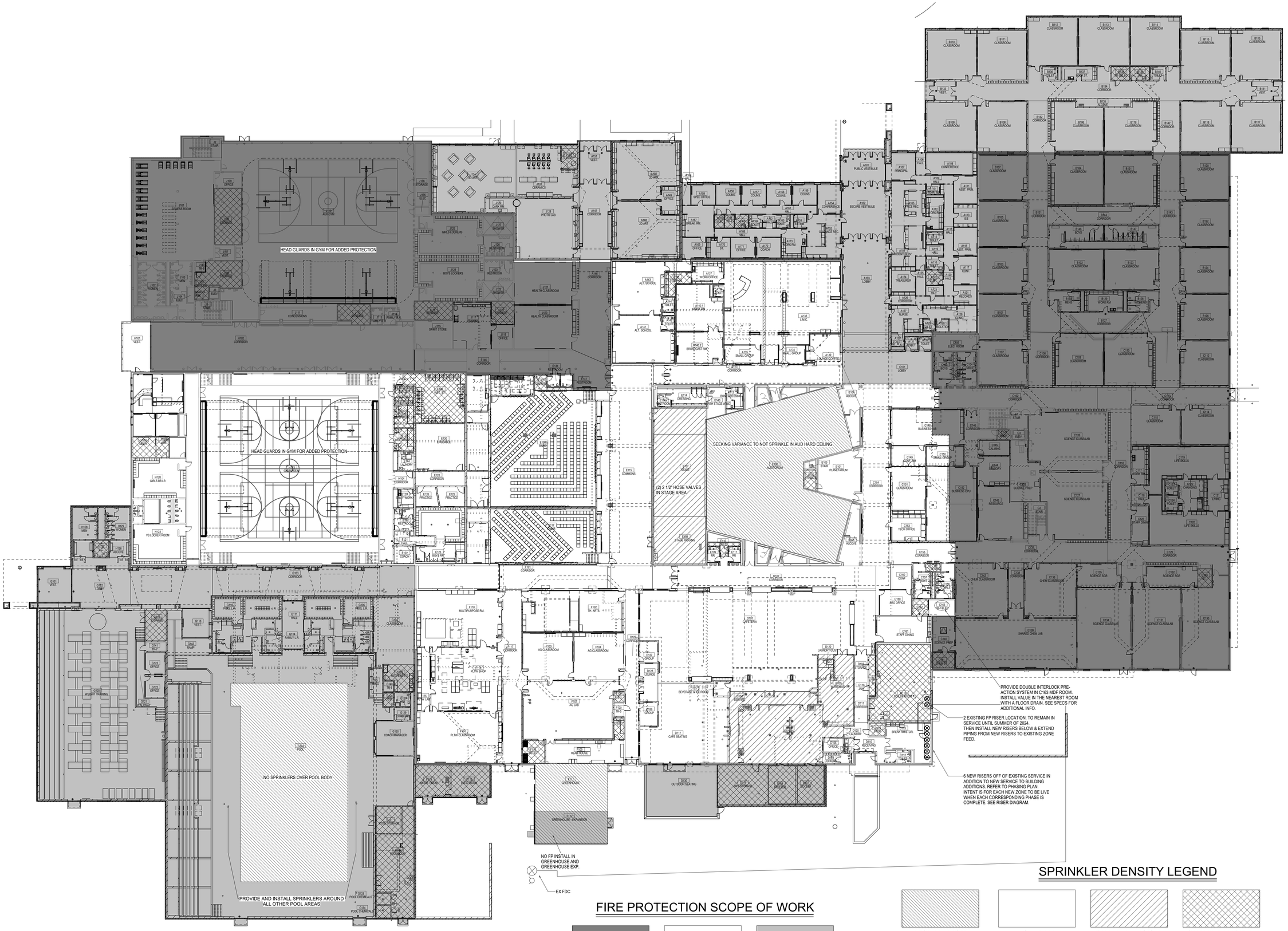

FIRE PROTECTION SCOPE OF WORK

- EXISTING SPRINKLER WORK. REHEAD AS NEEDED
- EXISTING STRUCTURE TO BE SPRINKLED
- NEW CONSTRUCTION TO BE SPRINKLED & ENERGIZED ONCE FULLY OCCUPIED & COMPLETE

SPRINKLER DENSITY LEGEND

- NO SPRINKLER WORK
- LIGHT HAZARD
- ORDINARY HAZARD GROUP I
- ORDINARY HAZARD GROUP II

N

FIRST FLOOR FIRE PROTECTION PLAN

SCALE : 3/64" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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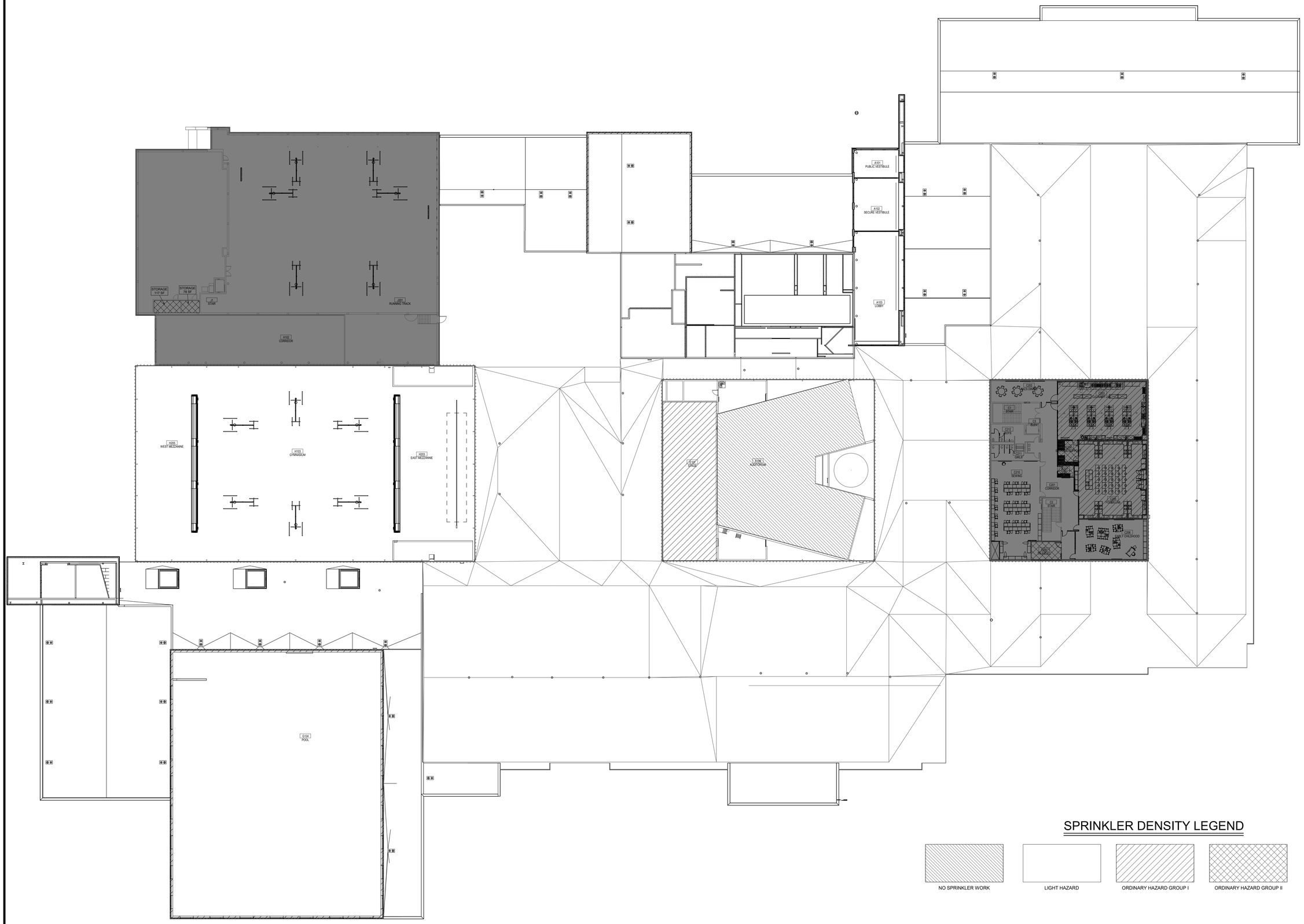
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: FIRE PROTECTION PLAN FIRST FLOOR

SHEET: **F201**
COMM #: 2265

1/16/2024 11:49:11 AM



SPRINKLER DENSITY LEGEND

NO SPRINKLER WORK

LIGHT HAZARD

ORDINARY HAZARD GROUP I

ORDINARY HAZARD GROUP II

SECOND FLOOR FIRE PROTECTION PLAN

SCALE : 3/64" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: FIRE PROTECTION PLAN SECOND FLOOR

SHEET: **F202**

COMM #: 2265

1/16/2024 11:53:52 AM

GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE, BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8/(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

ALL NEW T-STATS SHALL BE IN BACKER BOXES. PROVIDED AND INSTALLED BY DIV. 26. ALL NEW T-STATS ON EXISTING WALLS SHALL REUSE EXSITNG BACK BOX IF POSSIBLE OR BE FISHED THROUGH EXISTING WALL CAVITY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ANY EQUIPMENT, OTHER THAN THE BASIS OF DESIGN EQUIPMENT. ADHERE FULLY TO ALL SCHEDULES, SPECIFICATIONS, DETAILS AND PLANS, OR TO MAKE ANY CHANGES REQUIRED (AT NO ADDITIONAL COSTS) TO ALLOW FOR PROPER OPERATION AND INSTALLATION.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

DEMOLITION/RENOVATION GENERAL NOTES

INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK, EQUIPMENT OR SYSTEMS IN THE BUILDING. IF NEW FINISHES ARE NOT INCLUDED BY OTHERS IN THIS PROJECT IN RENOVATED PORTION OF THE FACILITY, THEN THIS CONTRACTOR MUST RESTORE FINISHES TO MATCH SURROUNDING UNDAMAGED SURFACES.

DURING REMOVAL OF ITEMS SO INDICATED, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.

EXISTING DUCT, PIPING, AND EQUIPMENT SHOWN IS BASED ON EXISTING DRAWINGS AND FIELD SURVEY. THIS CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AFFECTED AND NOTIFY ENGINEER IF THEY ARE NOT AS INDICATED.

COORDINATE INSTALLATION OF NEW PIPES, DUCTS, ETC. WITH REMAINING EXISTING UTILITIES. EXISTING UTILITIES TO BE REROUTED, IF NECESSARY, TO ALLOW NEW UTILITIES PASSAGE. DUCTWORK SHALL HAVE PRIORITY OF INSTALLATION. EXISTING VALVES AND OTHER DEVICES MADE INACCESSIBLE BY NEW EQUIPMENT, DUCT AND/OR PIPING SHALL BE RELOCATED AS REQUIRED FOR PROPER ACCESS WITH NO EXTRA COST TO THE OWNER.

CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER, FOR REVIEW AND APPROVAL, THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.

WORK IN THIS AREA MUST BE CAREFULLY COORDINATED WITH OWNER. THIS SPACE WILL BE OCCUPIED DURING NORMAL BUSINESS HOURS THROUGHOUT CONSTRUCTION. WORK THAT CREATES EXCESSIVE NOISE AND DUST OR DISTURBS THE OCCUPANTS IN ANY WAY MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

WORK IN THIS TENANT SPACE THAT DISRUPTS FIRE PROTECTION OR UTILITY SERVICE TO OTHER TENANT SPACES, CREATES EXCESSIVE NOISE AND DUST OR OTHERWISE DISTURBS THE OCCUPANTS OF OTHER TENANT SPACES, MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

THE EQUIPMENT SHOWN ON THE DRAWINGS IS BELIEVED TO BE A REASONABLE INDICATION OF THE EXISTING LAYOUT. EXACT QUANTITY AND LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AT THE JOB SITE. ALL MECHANICAL DEMOLITION THAT IS REQUIRED FOR THE INSTALLATION OF THE SYSTEMS SHOWN SHALL BE BY THIS CONTRACTOR.

△ DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK AS SHOWN.
2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
3. DISCONNECT AND REMOVE EXISTING VAV/FPB, ASSOCIATED DUCTWORK AND PIPING.
4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
5. DISCONNECT AND REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING AS SHOWN. PATCH EXISTING FLOOR AND WALL AS REQUIRED FOR NEW WORK. REFER TO ARCHTECTURAL FINISH PLANS.
6. DISCONNECT AND REMOVE EXISTING CABINET HEATER AND ASSOCIATE PIPING AS SHOWN.
7. DISCONNECT AND REMOVE EXISTING AHU ON ROOF, ASSOCIATED CURB, PIPING AND DUCTWORK. MODIFY EXISTING ROOF OPENINGS AS REQUIRED FOR NEW ROOFTOP UNITS. REFER TO NEW CONSTRUCTION PLANS. IF EXISTING OPENING IS NOT TO BE REUSED, PATCH EXISTING OPENING. REFER TO ARCHITECTURAL ROOF PLANS.
8. DISCONNECT AND REMOVE EXISTING DUCT HEATING COIL AND ASSOCIATED PIPING AS SHOWN.
9. DISCONNECT AND REMOVE EXISTING DUCTWORK AS SHOWN.
10. DISCONNECT AND REMOVE EXISTING AHU, ASSOCIATED DUCTWORK AND PIPING AS SHOWN.
11. REMOVE EXISTING DRYER DUCT THROUGH SPACE AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW DRYER DUCT.
12. REMOVE EXISTING CHILLER, PIPING AND WIRING.
13. REMOVE EXISTING BOILER, PIPING, PUMPS, VENT AND COMBUSTION DUCT SHOWN.
14. REMOVE EXISTING CHILLER PUMPS, CONCRETE PADS AND PIPING SHOWN.
15. REMOVE EXISTING INLINE EXHAUST FAN AND DUCTWORK AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW EXHAUST FAN.
16. REMOVE EXISTING COMBUSTION AIR LOUVER AND ASSOCIATED DUCTWORK. PATCH/REPAIR OPENING TO MATCH.
17. REMOVE EXISTING HYRDRONIC LINES. MECHANICAL CONTRACTOR RESPONSIBLE FOR SALVAGE OF EXISTING GLYCOL DISPOSAL.
18. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT, PIPING AND PREPARE FOR INSTALLATION OF NEW UNIT.
19. REMOVE EXISTING GRENNHOUSE EQUIPMENT AND PREPARE AS NECESSARY FOR NEW CONSTRUCTION.

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

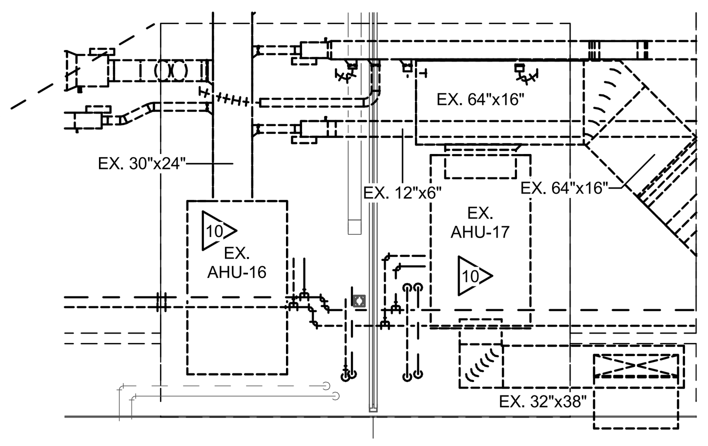
DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

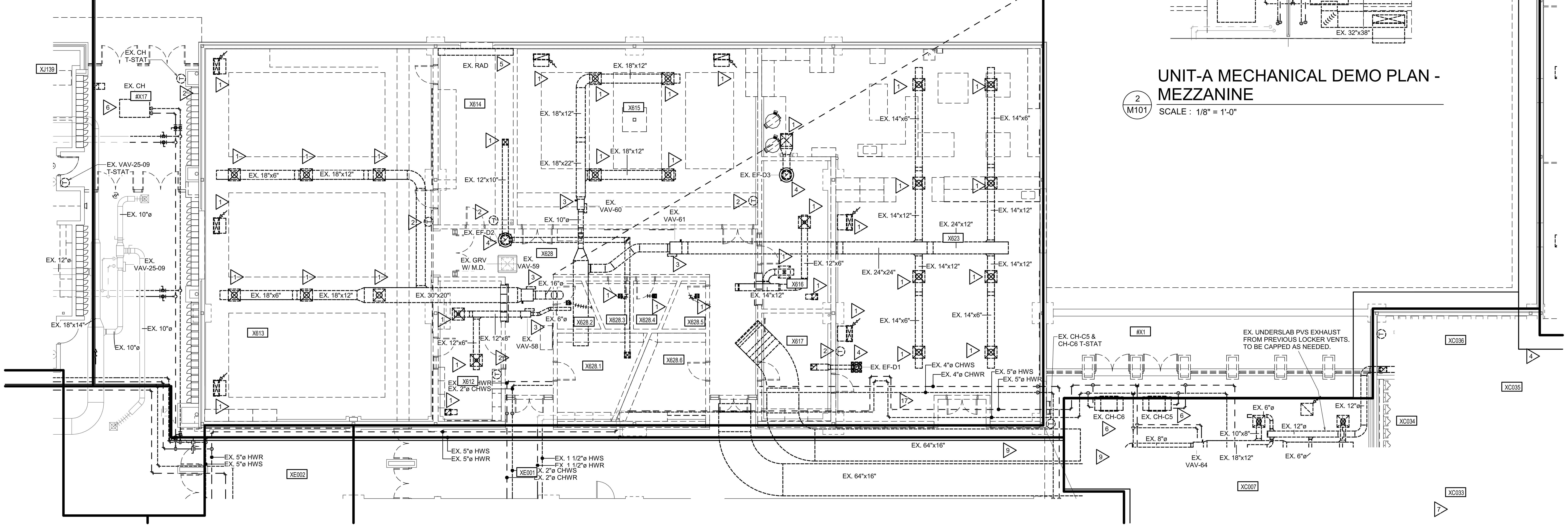
INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

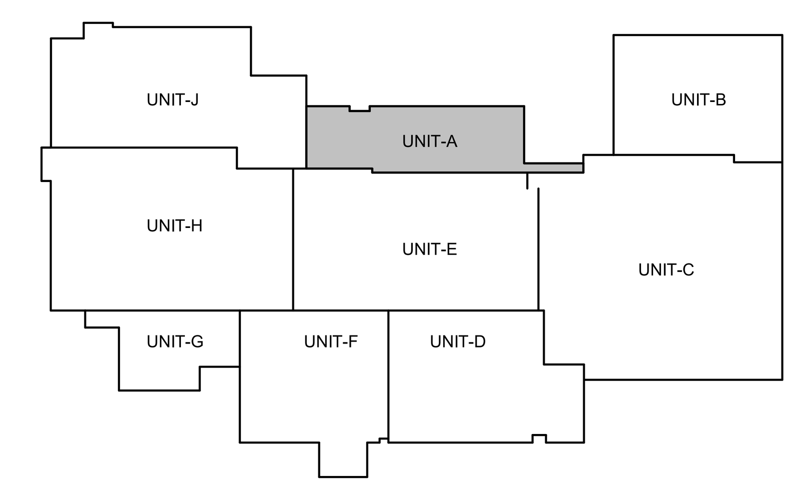
ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.



UNIT-A MECHANICAL DEMO PLAN - MEZZANINE

2 / M101 SCALE : 1/8" = 1'-0"





KEY PLAN

N

UNIT-A MECHANICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-A MECHANICAL DEMO PLAN

SHEET: M101

COMM #: 2265

1/16/2024 12:29:34 PM

DEMOLITION/RENOVATION GENERAL NOTES

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PROJECT NOTES

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GENERAL MECHANICAL NOTES

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NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

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ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

△ DEMOLITION NOTES

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2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
3. DISCONNECT AND REMOVE EXISTING VAV/FPB, ASSOCIATED DUCTWORK AND PIPING.
4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
5. DISCONNECT AND REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING AS SHOWN. PATCH EXISTING FLOOR AND WALL AS REQUIRED FOR NEW WORK. REFER TO ARCHITECTURAL FINISH PLANS.
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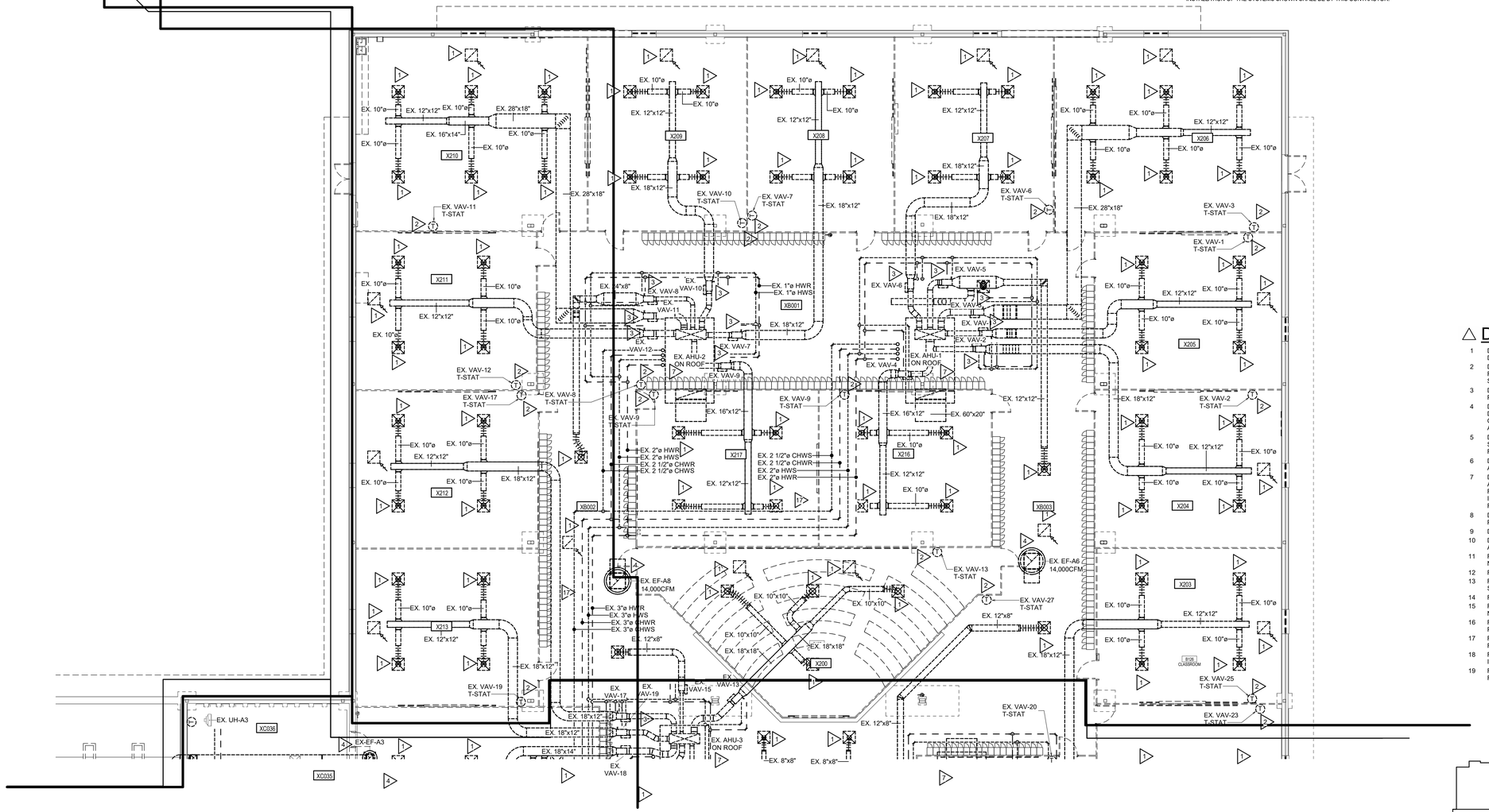
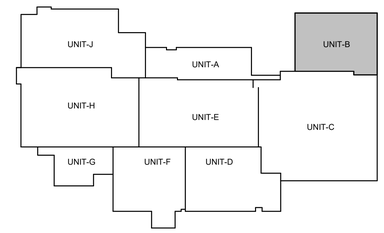
13. REMOVE EXISTING BOILER, PIPING, PUMPS, VENT AND COMBUSTION DUCT SHOWN.
14. REMOVE EXISTING CHILLER PUMPS, CONCRETE PADS AND PIPING SHOWN.
15. REMOVE EXISTING INLINE EXHAUST FAN AND DUCTWORK AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW EXHAUST FAN.
16. REMOVE EXISTING COMBUSTION AIR LOUVER AND ASSOCIATED DUCTWORK. PATCH/REPAIR OPENING TO MATCH.
17. REMOVE EXISTING HYRDRONIC LINES. MECHANICAL CONTRACTOR RESPONSIBLE FOR SALVAGE OF EXISTING GLYCOL DISPOSAL.
18. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT, PIPING AND PREPARE FOR INSTALLATION OF NEW UNIT.
19. REMOVE EXISTING GRENNHOUSE EQUIPMENT AND PREPARE AS NECESSARY FOR NEW CONSTRUCTION.





KEY PLAN

UNIT-B MECHANICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-B MECHANICAL DEMO PLAN - FIRST FLOOR
SHEET:	M102
COMM #:	2265

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PROJECT NOTES

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INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

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NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

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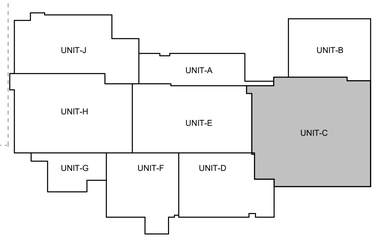
KEY PLAN



UNIT-C MECHANICAL DEMO - FIRST FLOOR PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-C MECHANICAL DEMO PLAN - FIRST FLOOR
SHEET:	M103
COMM #:	2265

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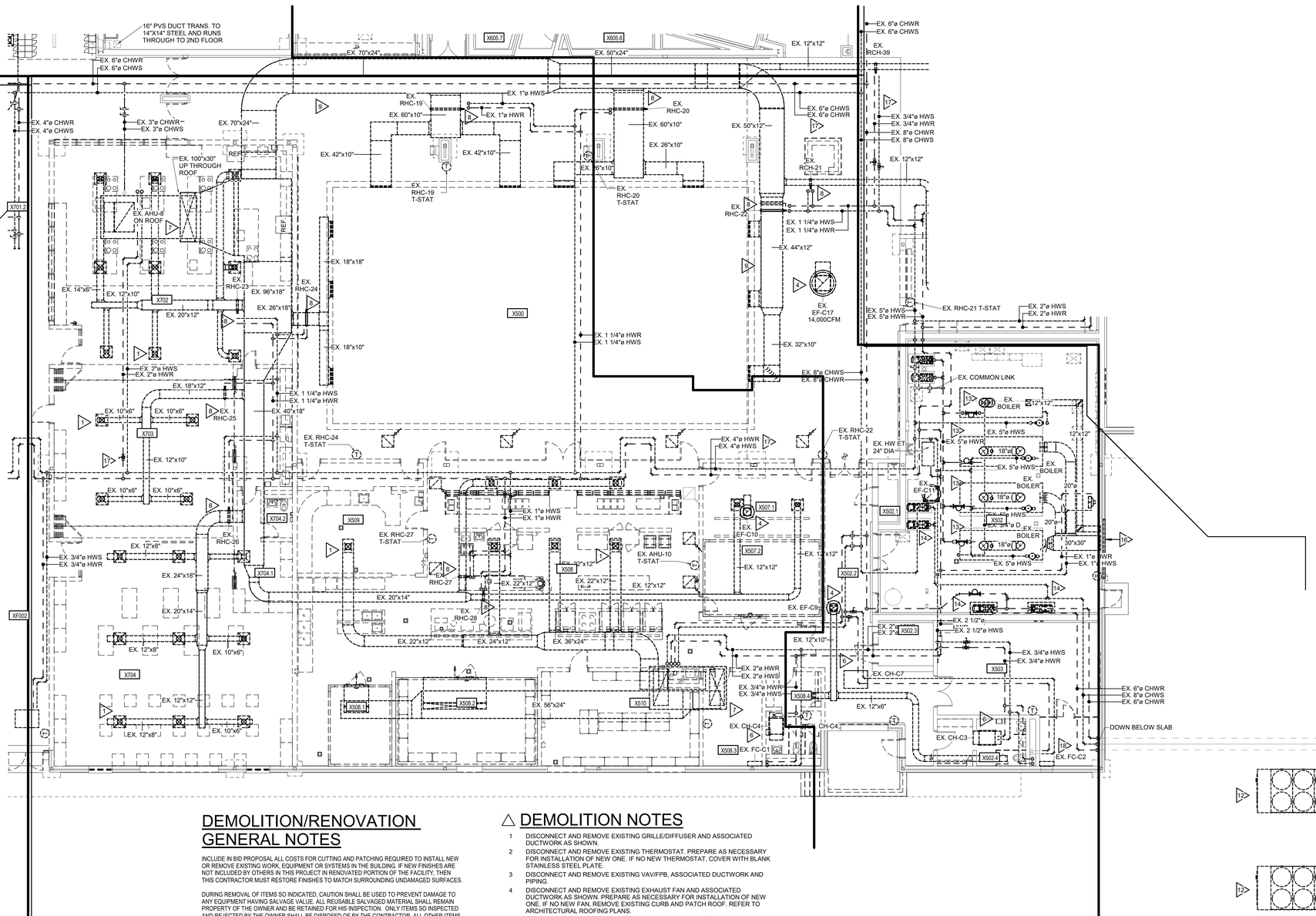

DEMOLITION/RENOVATION GENERAL NOTES

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DURING REMOVAL OF ITEMS SO INDICATED, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.

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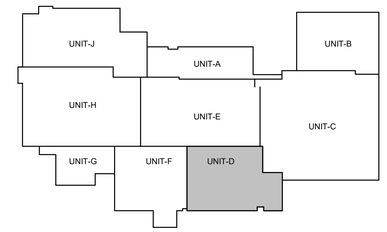

KEY PLAN

UNIT-D MECHANICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-D MECHANICAL DEMO PLAN
SHEET:	M104
COMM #:	2265

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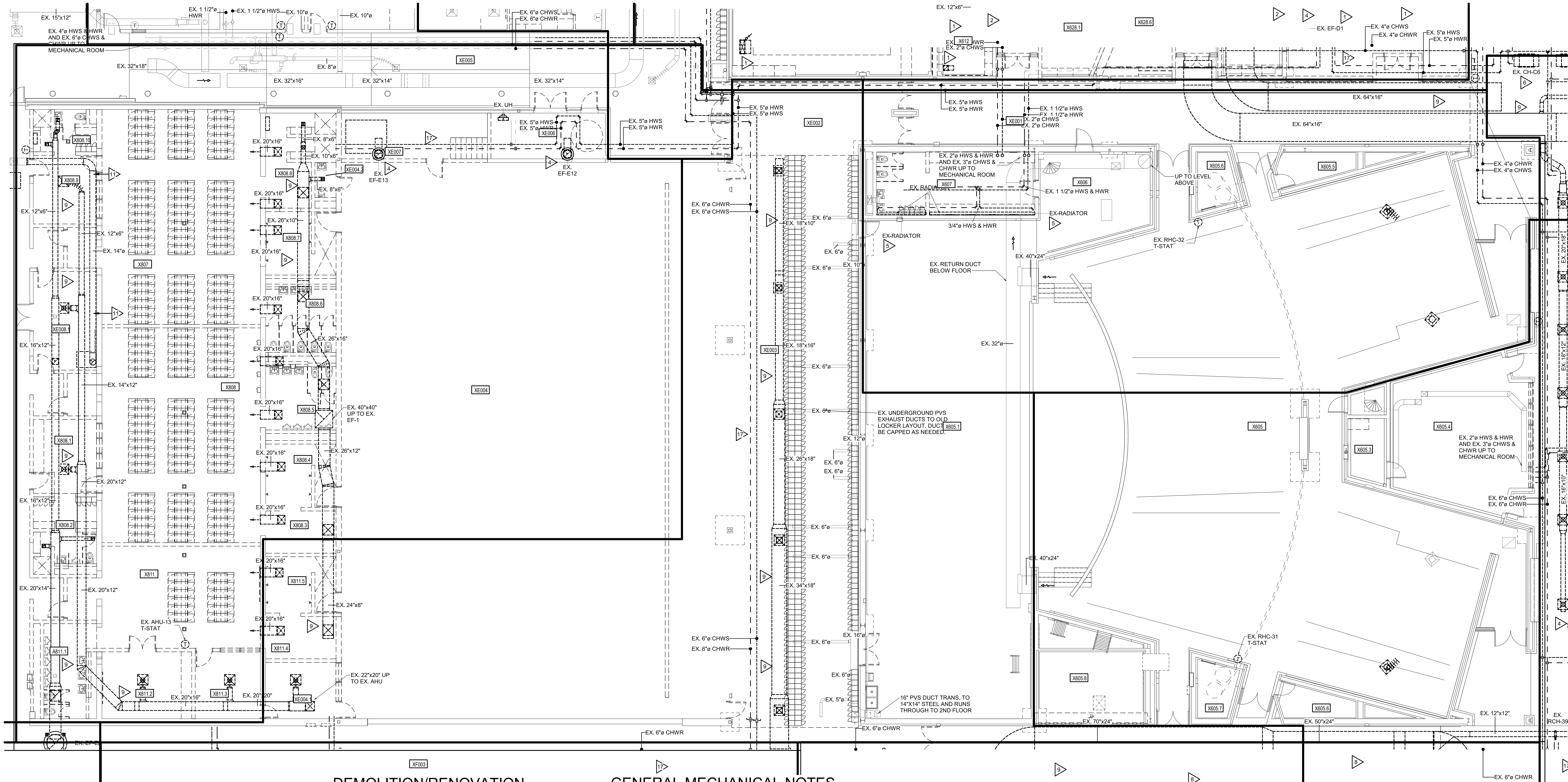

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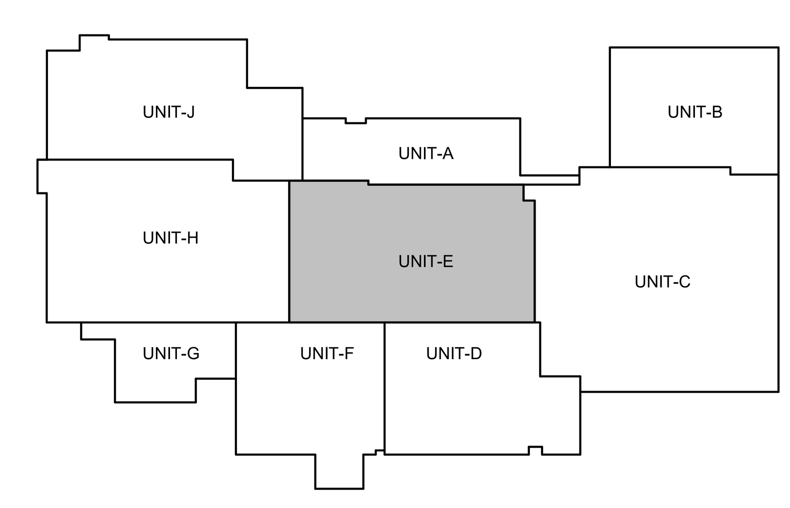
4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
5. DISCONNECT AND REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING AS SHOWN. PATCH EXISTING FLOOR AND WALL AS REQUIRED FOR NEW WORK. REFER TO ARCHTECTURAL FINISH PLANS.
6. DISCONNECT AND REMOVE EXISTING CABINET HEATER AND ASSOCIATE PIPING AS SHOWN.
7. DISCONNECT AND REMOVE EXISTING AHU ON ROOF, ASSOCIATED CURB, PIPING AND DUCTWORK. MODIFY EXISTING ROOF OPENINGS AS REQUIRED FOR NEW ROOFTOP UNITS. REFER TO NEW CONSTRUCTION PLANS. IF EXISTING OPENING IS NOT TO BE REUSED, PATCH EXISTING OPENING. REFER TO ARCHITECTURAL ROOF PLANS.
8. DISCONNECT AND REMOVE EXISTING DUCT HEATING COIL AND ASSOCIATED PIPING AS SHOWN.
9. DISCONNECT AND REMOVE EXISTING DUCTWORK AS SHOWN.
10. DISCONNECT AND REMOVE EXISTING AHU, ASSOCIATED DUCTWORK AND PIPING AS SHOWN.
11. REMOVE EXISTING DRYER DUCT THROUGH SPACE AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW DRYER DUCT.
12. REMOVE EXISTING CHILLER, PIPING AND WIRING.
13. REMOVE EXISTING BOILER, PIPING, PUMPS, VENT AND COMBUSTION DUCT SHOWN.
14. REMOVE EXISTING CHILLER PUMPS, CONCRETE PADS AND PIPING SHOWN.
15. REMOVE EXISTING INLINE EXHAUST FAN AND DUCTWORK AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW EXHAUST FAN.
16. REMOVE EXISTING COMBUSTION AIR LOUVER AND ASSOCIATED DUCTWORK. PATCH/REPAIR OPENING TO MATCH.
17. REMOVE EXISTING HYRDRONIC LINES. MECHANICAL CONTRACTOR RESPONSIBLE FOR SALVAGE OF EXISTING GLYCOL DISPOSAL.
18. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT, PIPING AND PREPARE FOR INSTALLATION OF NEW UNIT.
19. REMOVE EXISTING GRENNHOUSE EQUIPMENT AND PREPARE AS NECESSARY FOR NEW CONSTRUCTION.



KEY PLAN

UNIT-E MECHANICAL DEMO PLAN - FIRST FLOOR

SCALE : 1/8" = 1'-0"

1/16/2024 12:30:12 PM

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

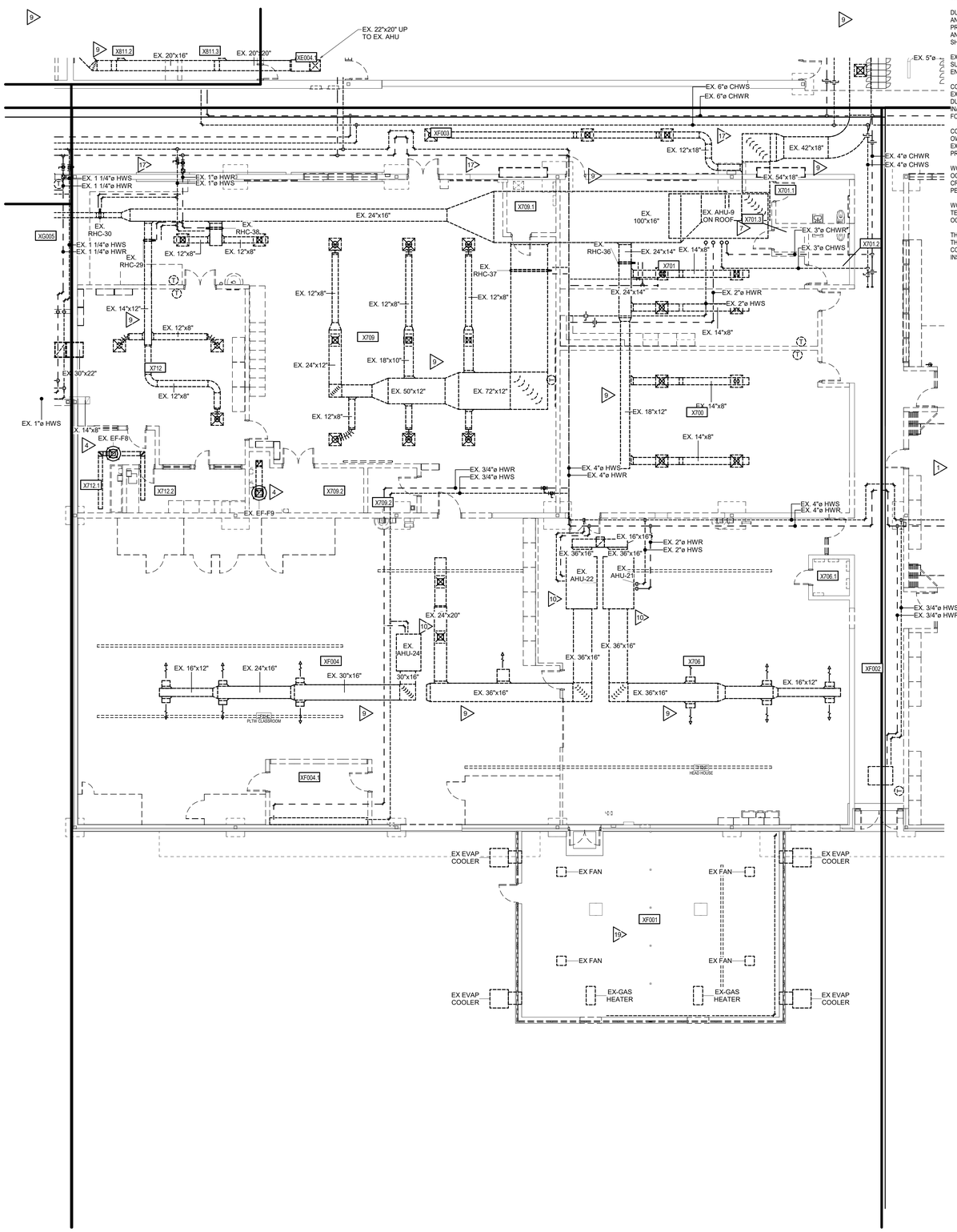
DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E MECHANICAL DEMO PLAN - FIRST FLOOR

SHEET: M105

COMM #: 2265



DEMOLITION/RENOVATION GENERAL NOTES

INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK, EQUIPMENT OR SYSTEMS IN THE BUILDING. IF NEW FINISHES ARE NOT INCLUDED BY OTHERS IN THIS PROJECT IN RENOVATED PORTION OF THE FACILITY, THEN THIS CONTRACTOR MUST RESTORE FINISHES TO MATCH SURROUNDING UNDAMAGED SURFACES.

DURING REMOVAL OF ITEMS SO INDICATED, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.

EXISTING DUCT, PIPING, AND EQUIPMENT SHOWN IS BASED ON EXISTING DRAWINGS AND FIELD SURVEY. THIS CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AFFECTED AND NOTIFY ENGINEER IF THEY ARE NOT AS INDICATED.

COORDINATE INSTALLATION OF NEW PIPES, DUCTS, ETC. WITH REMAINING EXISTING UTILITIES. EXISTING UTILITIES TO BE REROUTED, IF NECESSARY, TO ALLOW NEW UTILITIES PASSAGE. DUCTWORK SHALL HAVE PRIORITY OF INSTALLATION. EXISTING VALVES AND OTHER DEVICES MADE INACCESSIBLE BY NEW EQUIPMENT, DUCT AND/OR PIPING SHALL BE RELOCATED AS REQUIRED FOR PROPER ACCESS WITH NO EXTRA COST TO THE OWNER.

CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER, FOR REVIEW AND APPROVAL, THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.

WORK IN THIS AREA MUST BE CAREFULLY COORDINATED WITH OWNER. THIS SPACE WILL BE OCCUPIED DURING NORMAL BUSINESS HOURS THROUGHOUT CONSTRUCTION. WORK THAT CREATES EXCESSIVE NOISE AND DUST OR DISTURBS THE OCCUPANTS IN ANY WAY MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

WORK IN THIS TENANT SPACE THAT DISRUPTS FIRE PROTECTION OR UTILITY SERVICE TO OTHER TENANT SPACES, CREATES EXCESSIVE NOISE AND DUST OR OTHERWISE DISTURBS THE OCCUPANTS OF OTHER TENANT SPACES, MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

THE EQUIPMENT SHOWN ON THE DRAWINGS IS BELIEVED TO BE A REASONABLE INDICATION OF THE EXISTING LAYOUT. EXACT QUANTITY AND LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AT THE JOB SITE. ALL MECHANICAL DEMOLITION THAT IS REQUIRED FOR THE INSTALLATION OF THE SYSTEMS SHOWN SHALL BE BY THIS CONTRACTOR.

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE, BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

ALL NEW T-STATS SHALL BE IN BACKER BOXES. PROVIDED AND INSTALLED BY DIV. 26. ALL NEW T-STATS ON EXISTING WALLS SHALL REUSE EXISTING BACK BOX IF POSSIBLE OR BE FISHED THROUGH EXISTING WALL CAVITY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ANY EQUIPMENT, OTHER THAN THE BASIS OF DESIGN EQUIPMENT. ADHERE FULLY TO ALL SCHEDULES, SPECIFICATIONS, DETAILS AND PLANS, OR TO MAKE ANY CHANGES REQUIRED (AT NO ADDITIONAL COSTS) TO ALLOW FOR PROPER OPERATION AND INSTALLATION.

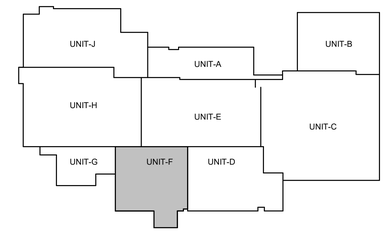
THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

△ DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK AS SHOWN.
2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
3. DISCONNECT AND REMOVE EXISTING VAV/FPB, ASSOCIATED DUCTWORK AND PIPING.
4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
5. DISCONNECT AND REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING AS SHOWN. PATCH EXISTING FLOOR AND WALL AS REQUIRED FOR NEW WORK. REFER TO ARCHTECTURAL FINISH PLANS.
6. DISCONNECT AND REMOVE EXISTING CABINET HEATER AND ASSOCIATE PIPING AS SHOWN.
7. DISCONNECT AND REMOVE EXISTING AHU ON ROOF, ASSOCIATED CURB, PIPING AND DUCTWORK. MODIFY EXISTING ROOF OPENINGS AS REQUIRED FOR NEW ROOFTOP UNITS. REFER TO NEW CONSTRUCTION PLANS. IF EXISTING OPENING IS NOT TO BE REUSED, PATCH EXISTING OPENING. REFER TO ARCHITECTURAL ROOF PLANS.
8. DISCONNECT AND REMOVE EXISTING DUCT HEATING COIL AND ASSOCIATED PIPING AS SHOWN.
9. DISCONNECT AND REMOVE EXISTING DUCTWORK AS SHOWN.
10. DISCONNECT AND REMOVE EXISTING AHU, ASSOCIATED DUCTWORK AND PIPING AS SHOWN.
11. REMOVE EXISTING DRYER DUCT THROUGH SPACE AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW DRYER DUCT.
12. REMOVE EXISTING CHILLER, PIPING AND WIRING.
13. REMOVE EXISTING BOILER, PIPING, PUMPS, VENT AND COMBUSTION DUCT SHOWN.
14. REMOVE EXISTING CHILLER PUMPS, CONCRETE PADS AND PIPING SHOWN.
15. REMOVE EXISTING INLINE EXHAUST FAN AND DUCTWORK AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW EXHAUST FAN.
16. REMOVE EXISTING COMBUSTION AIR LOUVER AND ASSOCIATED DUCTWORK. PATCH/REPAIR OPENING TO MATCH.
17. REMOVE EXISTING HYRDRONIC LINES. MECHANICAL CONTRACTOR RESPONSIBLE FOR SALVAGE OF EXISTING GLYCOL DISPOSAL.
18. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT, PIPING AND PREPARE FOR INSTALLATION OF NEW UNIT.
19. REMOVE EXISTING GRENNHOUSE EQUIPMENT AND PREPARE AS NECESSARY FOR NEW CONSTRUCTION.



KEY PLAN

N

UNIT-F MECHANICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-F MECHANICAL DEMO PLAN - FIRST FLOOR

SHEET: **M106**

COMM #: 2265

1/16/2024 12:26:17 PM

△ DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK AS SHOWN.
2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
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9. DISCONNECT AND REMOVE EXISTING DUCTWORK AS SHOWN.
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PROJECT NOTES

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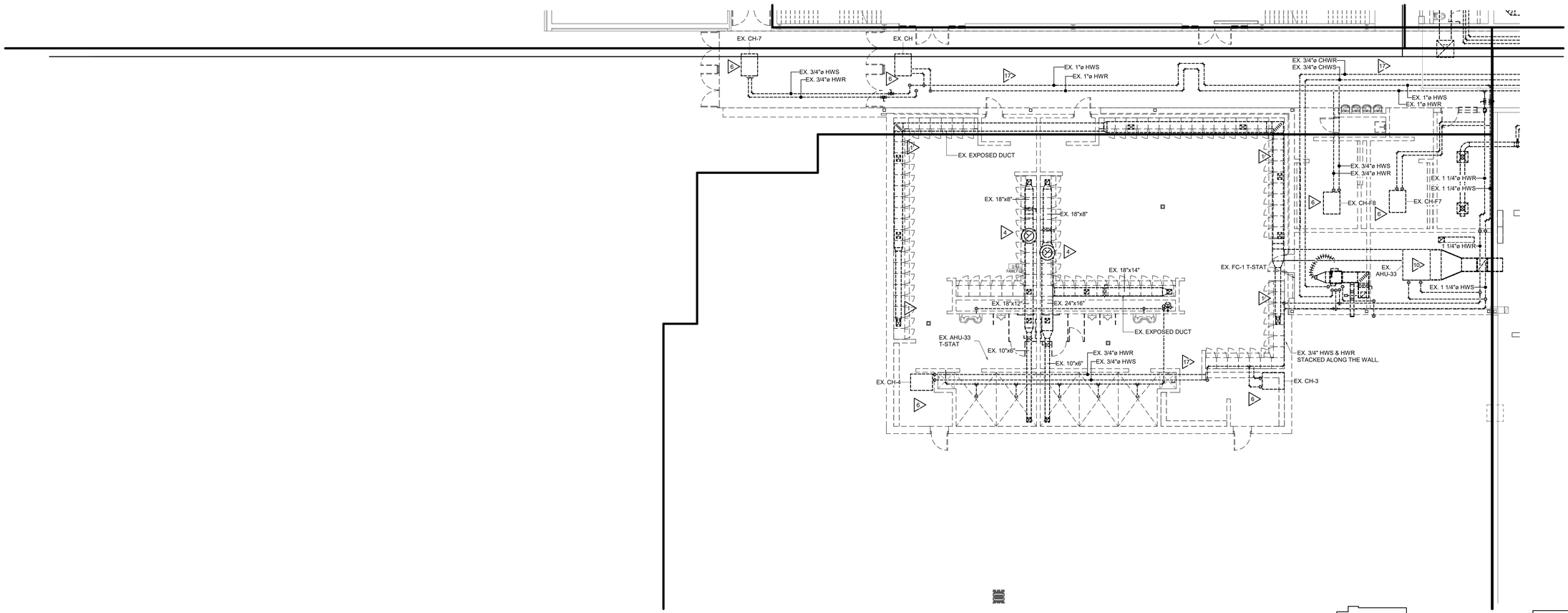
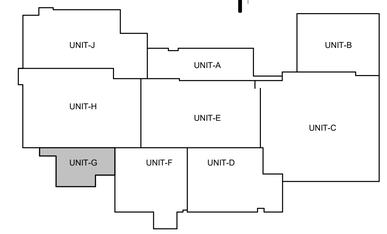
ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.





KEY PLAN

UNIT-G MECHANICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

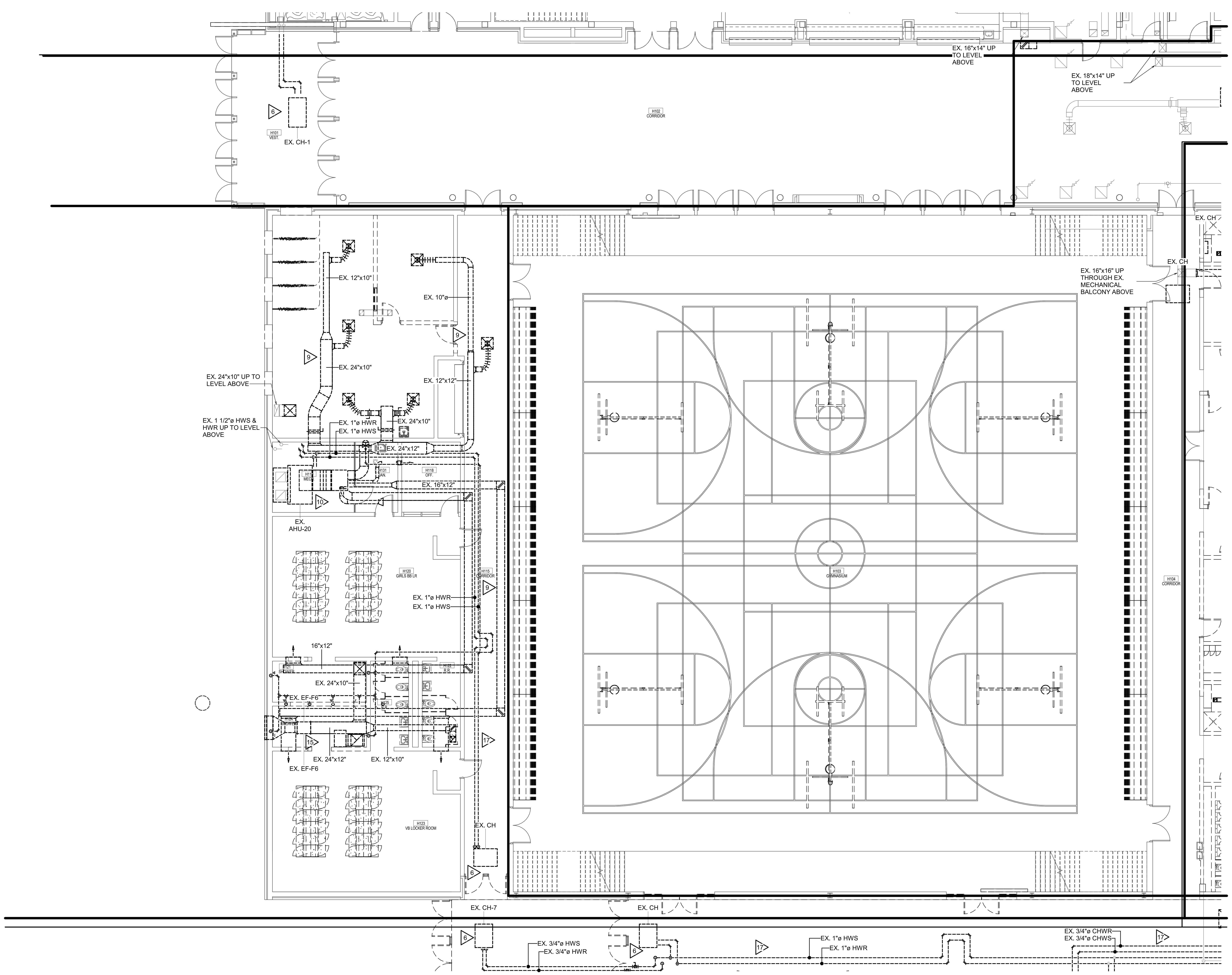
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-G MECHANICAL DEMO PLAN - FIRST FLOOR

SHEET: **M107**

COMM #: 2265

1/16/2024 12:25:24 PM



PROJECT NOTES

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DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

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INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE, BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8/(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

ALL NEW T-STATS SHALL BE IN BACKER BOXES. PROVIDED AND INSTALLED BY DIV. 26. ALL NEW T-STATS ON EXISTING WALLS SHALL REUSE EXSITNG BACK BOX IF POSSIBLE OR BE FISHED THROUGH EXISTING WALL CAVITY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ANY EQUIPMENT, OTHER THAN THE BASIS OF DESIGN EQUIPMENT. ADHERE FULLY TO ALL SCHEDULES, SPECIFICATIONS, DETAILS AND PLANS, OR TO MAKE ANY CHANGES REQUIRED (AT NO ADDITIONAL COSTS) TO ALLOW FOR PROPER OPERATION AND INSTALLATION.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

DEMOLITION/RENOVATION GENERAL NOTES

INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK, EQUIPMENT OR SYSTEMS IN THE BUILDING. IF NEW FINISHES ARE NOT INCLUDED BY OTHERS IN THIS PROJECT IN RENOVATED PORTION OF THE FACILITY, THEN THIS CONTRACTOR MUST RESTORE FINISHES TO MATCH SURROUNDING UNDAMAGED SURFACES.

DURING REMOVAL OF ITEMS SO INDICATED, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.

EXISTING DUCT, PIPING, AND EQUIPMENT SHOWN IS BASED ON EXISTING DRAWINGS AND FIELD SURVEY. THIS CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AFFECTED AND NOTIFY ENGINEER IF THEY ARE NOT AS INDICATED.

COORDINATE INSTALLATION OF NEW PIPES, DUCTS, ETC. WITH REMAINING EXISTING UTILITIES. EXISTING UTILITIES TO BE REROUTED, IF NECESSARY, TO ALLOW NEW UTILITIES PASSAGE. DUCTWORK SHALL HAVE PRIORITY OF INSTALLATION. EXISTING VALVES AND OTHER DEVICES MADE INACCESSIBLE BY NEW EQUIPMENT, DUCT AND/OR PIPING SHALL BE RELOCATED AS REQUIRED FOR PROPER ACCESS WITH NO EXTRA COST TO THE OWNER.

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WORK IN THIS AREA MUST BE CAREFULLY COORDINATED WITH OWNER. THIS SPACE WILL BE OCCUPIED DURING NORMAL BUSINESS HOURS THROUGHOUT CONSTRUCTION. WORK THAT CREATES EXCESSIVE NOISE AND DUST OR DISTURBS THE OCCUPANTS IN ANY WAY MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

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△ DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK AS SHOWN.
2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
3. DISCONNECT AND REMOVE EXISTING VAV/FPB, ASSOCIATED DUCTWORK AND PIPING.
4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
5. DISCONNECT AND REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING AS SHOWN. PATCH EXISTING FLOOR AND WALL AS REQUIRED FOR NEW WORK. REFER TO ARCHTECTURAL FINISH PLANS.
6. DISCONNECT AND REMOVE EXISTING CABINET HEATER AND ASSOCIATE PIPING AS SHOWN.
7. DISCONNECT AND REMOVE EXISTING AHU ON ROOF, ASSOCIATED CURB, PIPING AND DUCTWORK. MODIFY EXISTING ROOF OPENINGS AS REQUIRED FOR NEW ROOFTOP UNITS. REFER TO NEW CONSTRUCTION PLANS. IF EXISTING OPENING IS NOT TO BE REUSED, PATCH EXISTING OPENING. REFER TO ARCHITECTURAL ROOF PLANS.
8. DISCONNECT AND REMOVE EXISTING DUCT HEATING COIL AND ASSOCIATED PIPING AS SHOWN.
9. DISCONNECT AND REMOVE EXISTING DUCTWORK AS SHOWN.
10. DISCONNECT AND REMOVE EXISTING AHU, ASSOCIATED DUCTWORK AND PIPING AS SHOWN.
11. REMOVE EXISTING DRYER DUCT THROUGH SPACE AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW DRYER DUCT.
12. REMOVE EXISTING CHILLER, PIPING AND WIRING.
13. REMOVE EXISTING BOILER, PIPING, PUMPS, VENT AND COMBUSTION DUCT SHOWN.
14. REMOVE EXISTING CHILLER PUMPS, CONCRETE PADS AND PIPING SHOWN.
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16. REMOVE EXISTING COMBUSTION AIR LOUVER AND ASSOCIATED DUCTWORK. PATCH/REPAIR OPENING TO MATCH.
17. REMOVE EXISTING HYRDRONIC LINES. MECHANICAL CONTRACTOR RESPONSIBLE FOR SALVAGE OF EXISTING GLYCOL DISPOSAL.
18. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT, PIPING AND PREPARE FOR INSTALLATION OF NEW UNIT.
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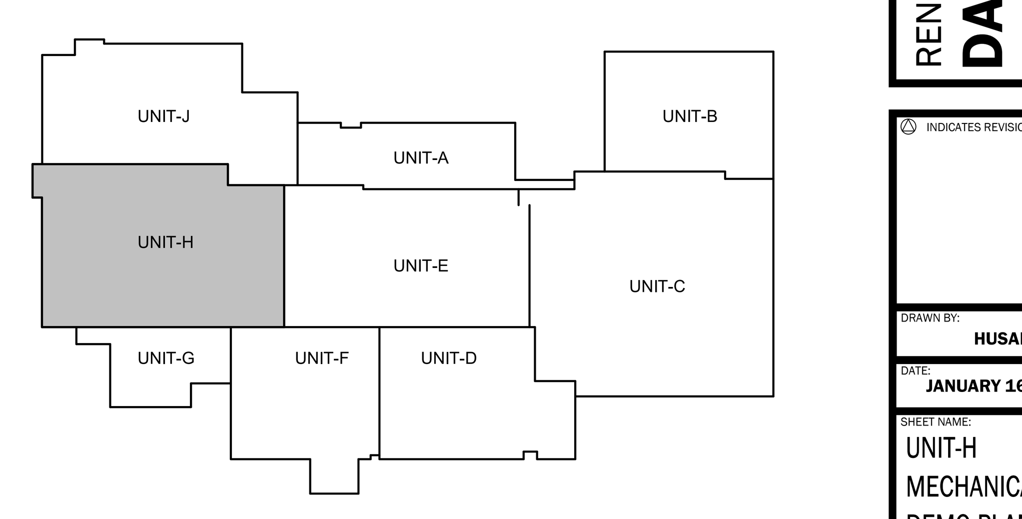

KEY PLAN

UNIT-H MECHANICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H MECHANICAL DEMO PLAN - FIRST FLOOR

SHEET: **M108**

COMM #: 2265

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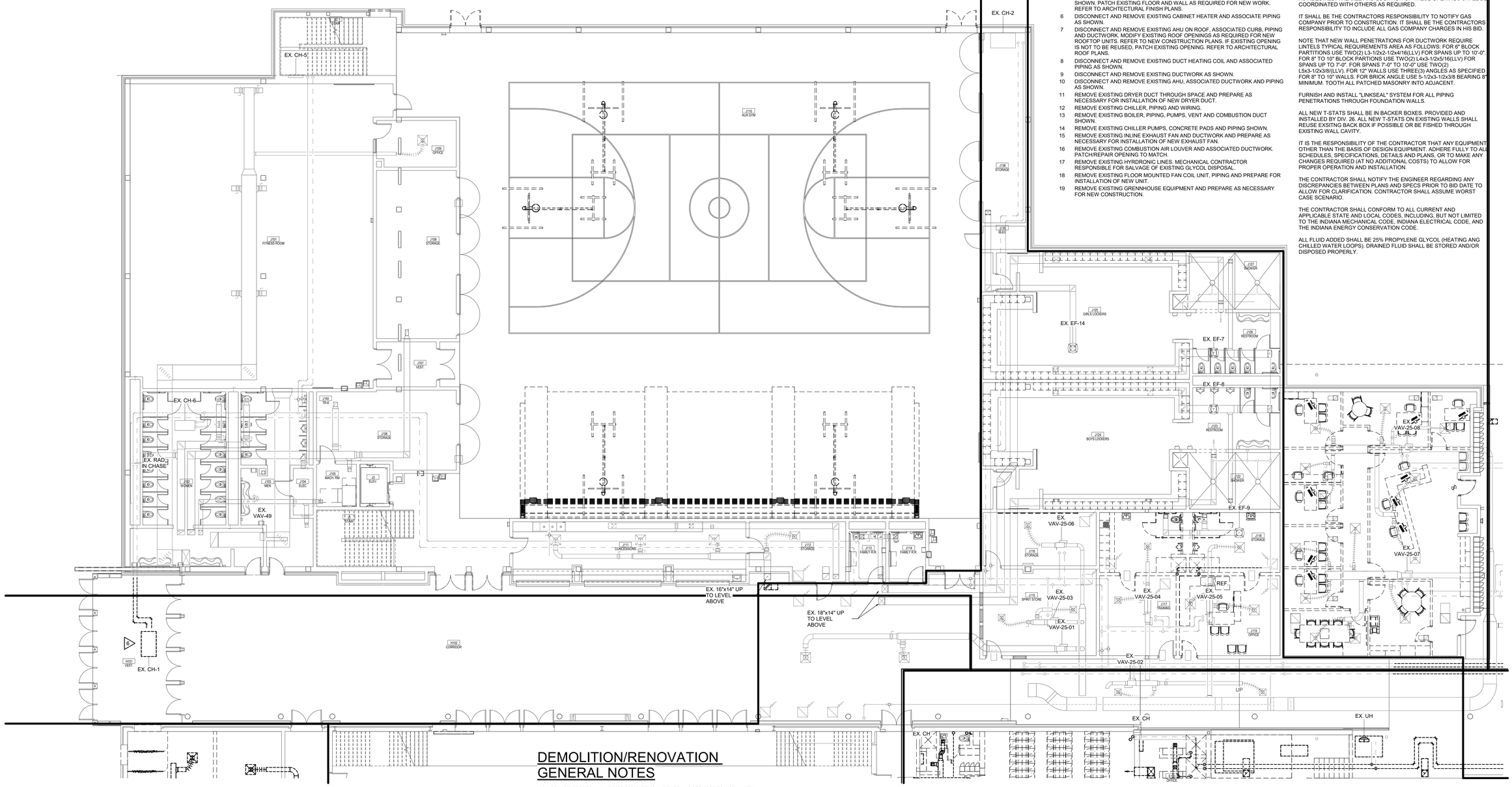

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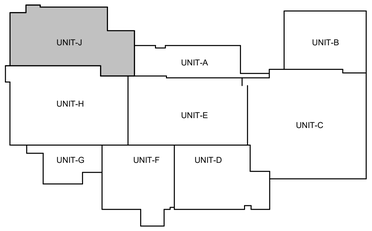

KEY PLAN

UNIT-J MECHANICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

1/16/2024 12:20:37 PM

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

△	INDICATES REVISION AND DATE

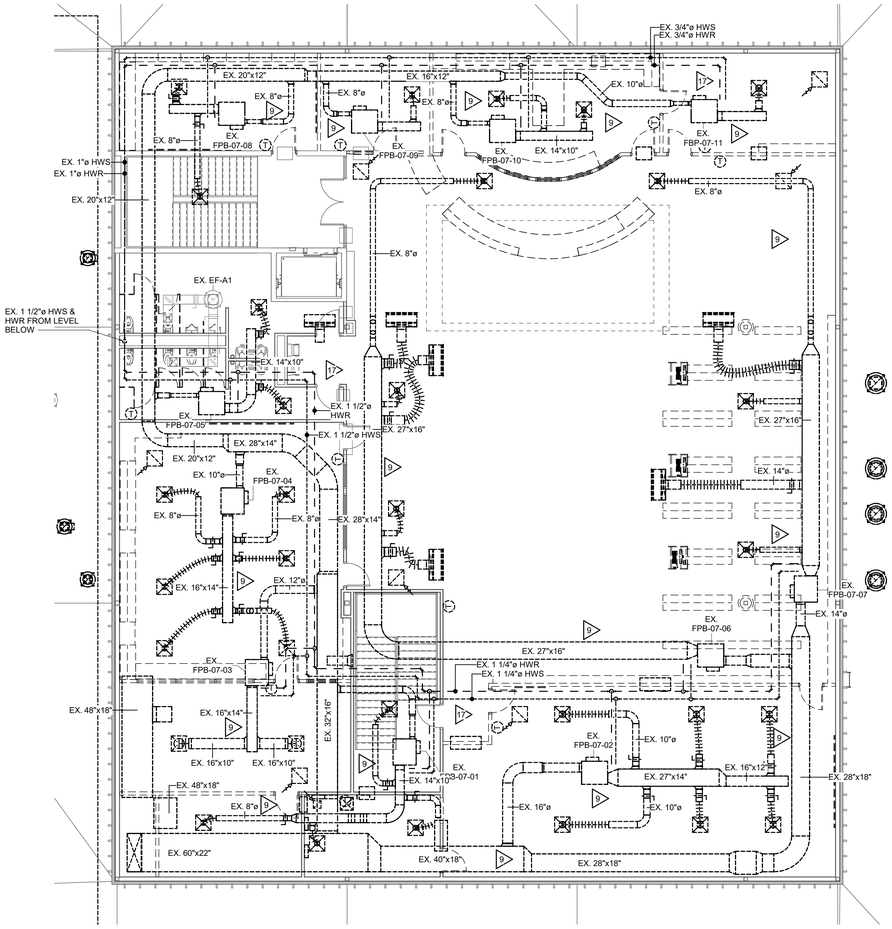
DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J MECHANICAL DEMO PLAN - FIRST FLOOR

SHEET: M109

COMM #: 2265



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2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
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4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
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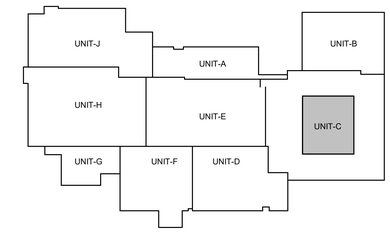

KEY PLAN

UNIT-C MECHANICAL DEMO PLAN - SECOND FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE0910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C MECHANICAL DEMO PLAN - SECOND FLOOR

SHEET: **M123**

COMM #: 2265

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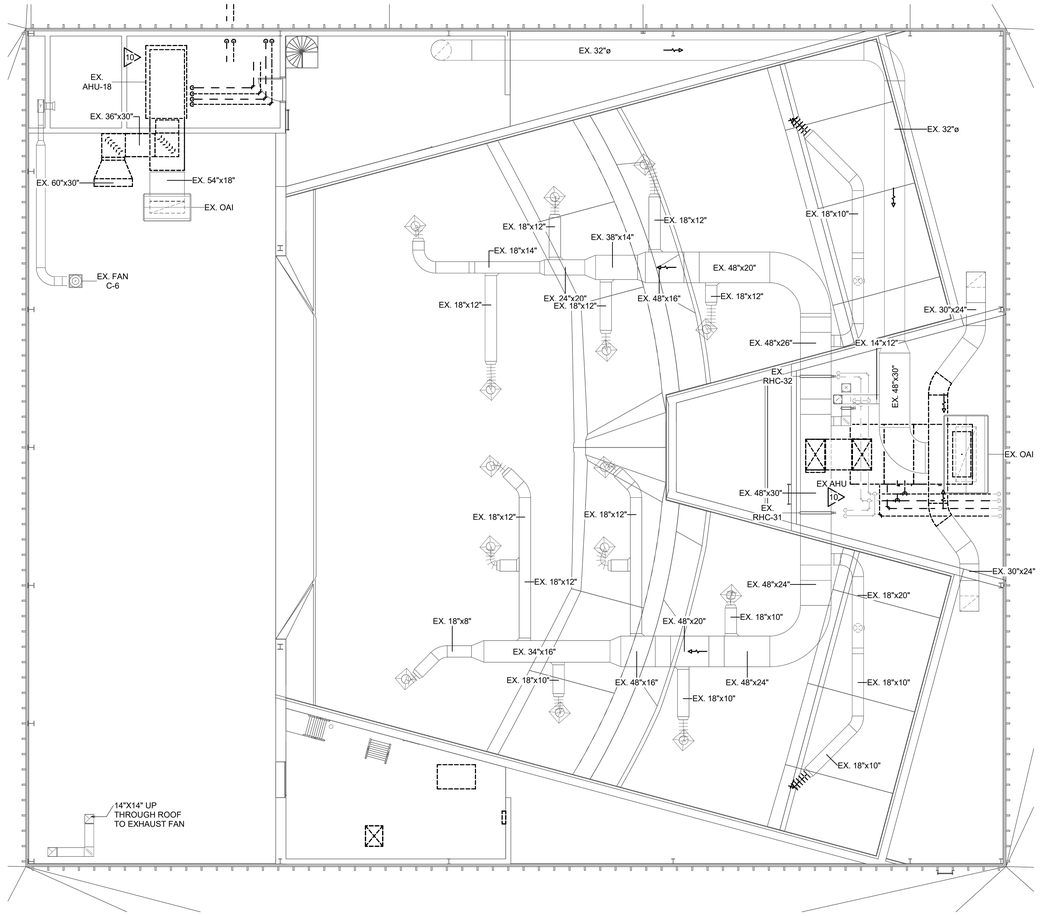

DEMOLITION/RENOVATION GENERAL NOTES

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DURING REMOVAL OF ITEMS SO INDICATED, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.

EXISTING DUCT, PIPING, AND EQUIPMENT SHOWN IS BASED ON EXISTING DRAWINGS AND FIELD SURVEY. THIS CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AFFECTED AND NOTIFY ENGINEER IF THEY ARE NOT AS INDICATED.

COORDINATE INSTALLATION OF NEW PIPES, DUCTS, ETC. WITH REMAINING EXISTING UTILITIES. EXISTING UTILITIES TO BE REROUTED, IF NECESSARY, TO ALLOW NEW UTILITIES PASSAGE. DUCTWORK SHALL HAVE PRIORITY OF INSTALLATION. EXISTING VALVES AND OTHER DEVICES MADE INACCESSIBLE BY NEW EQUIPMENT, DUCT AND/OR PIPING SHALL BE RELOCATED AS REQUIRED FOR PROPER ACCESS WITH NO EXTRA COST TO THE OWNER.

CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER, FOR REVIEW AND APPROVAL, THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.

WORK IN THIS AREA MUST BE CAREFULLY COORDINATED WITH OWNER. THIS SPACE WILL BE OCCUPIED DURING NORMAL BUSINESS HOURS THROUGHOUT CONSTRUCTION. WORK THAT CREATES EXCESSIVE NOISE AND DUST OR DISTURBS THE OCCUPANTS IN ANY WAY MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

WORK IN THIS TENANT SPACE THAT DISRUPTS FIRE PROTECTION OR UTILITY SERVICE TO OTHER TENANT SPACES, CREATES EXCESSIVE NOISE AND DUST OR OTHERWISE DISTURBS THE OCCUPANTS OF OTHER TENANT SPACES, MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

THE EQUIPMENT SHOWN ON THE DRAWINGS IS BELIEVED TO BE A REASONABLE INDICATION OF THE EXISTING LAYOUT. EXACT QUANTITY AND LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AT THE JOB SITE. ALL MECHANICAL DEMOLITION THAT IS REQUIRED FOR THE INSTALLATION OF THE SYSTEMS SHOWN SHALL BE BY THIS CONTRACTOR.

PROJECT NOTES

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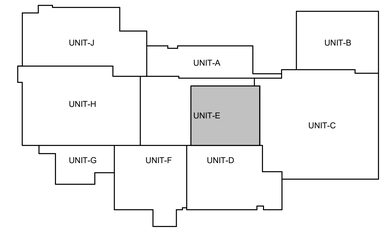

KEY PLAN

N

UNIT-E MECHANICAL DEMO PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E MECHANICAL DEMO PLAN - UPPER LEVEL

SHEET: M125

COMM #: 2265

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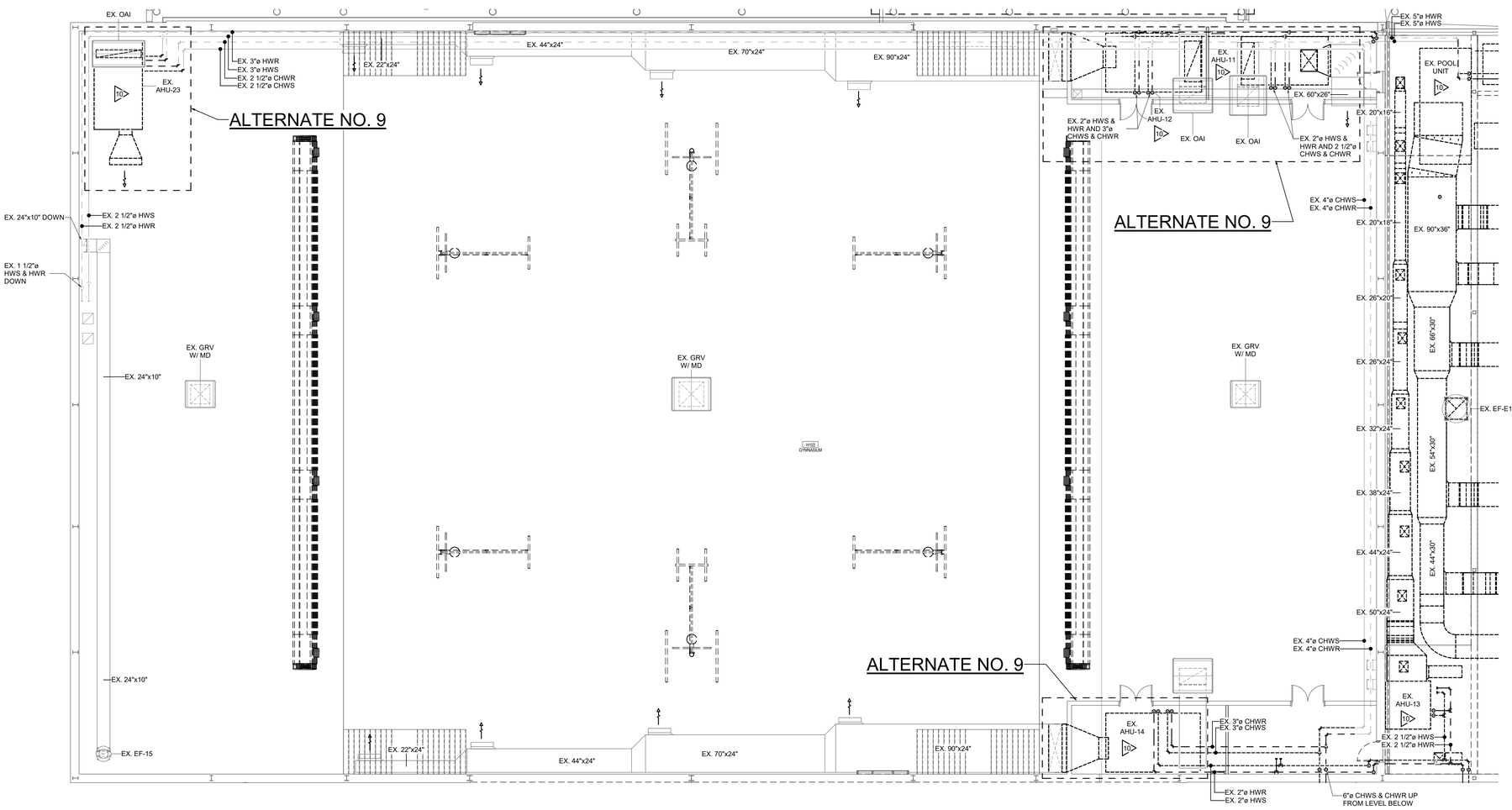

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COORDINATE INSTALLATION OF NEW PIPES, DUCTS, ETC. WITH REMAINING EXISTING UTILITIES. EXISTING UTILITIES TO BE REROUTED, IF NECESSARY, TO ALLOW NEW UTILITIES PASSAGE. DUCTWORK SHALL HAVE PRIORITY OF INSTALLATION. EXISTING VALVES AND OTHER DEVICES MADE INACCESSIBLE BY NEW EQUIPMENT, DUCT AND/OR PIPING SHALL BE RELOCATED AS REQUIRED FOR PROPER ACCESS WITH NO EXTRA COST TO THE OWNER.

CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER, FOR REVIEW AND APPROVAL, THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.

WORK IN THIS AREA MUST BE CAREFULLY COORDINATED WITH OWNER. THIS SPACE WILL BE OCCUPIED DURING NORMAL BUSINESS HOURS THROUGHOUT CONSTRUCTION. WORK THAT CREATES EXCESSIVE NOISE AND DUST OR DISTURBS THE OCCUPANTS IN ANY WAY MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

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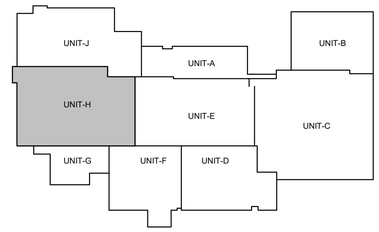

KEY PLAN

N

UNIT-H MECHANICAL DEMO PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H MECHANICAL DEMO PLAN - UPPER LEVEL

SHEET: **M128**

COMM #: 2265

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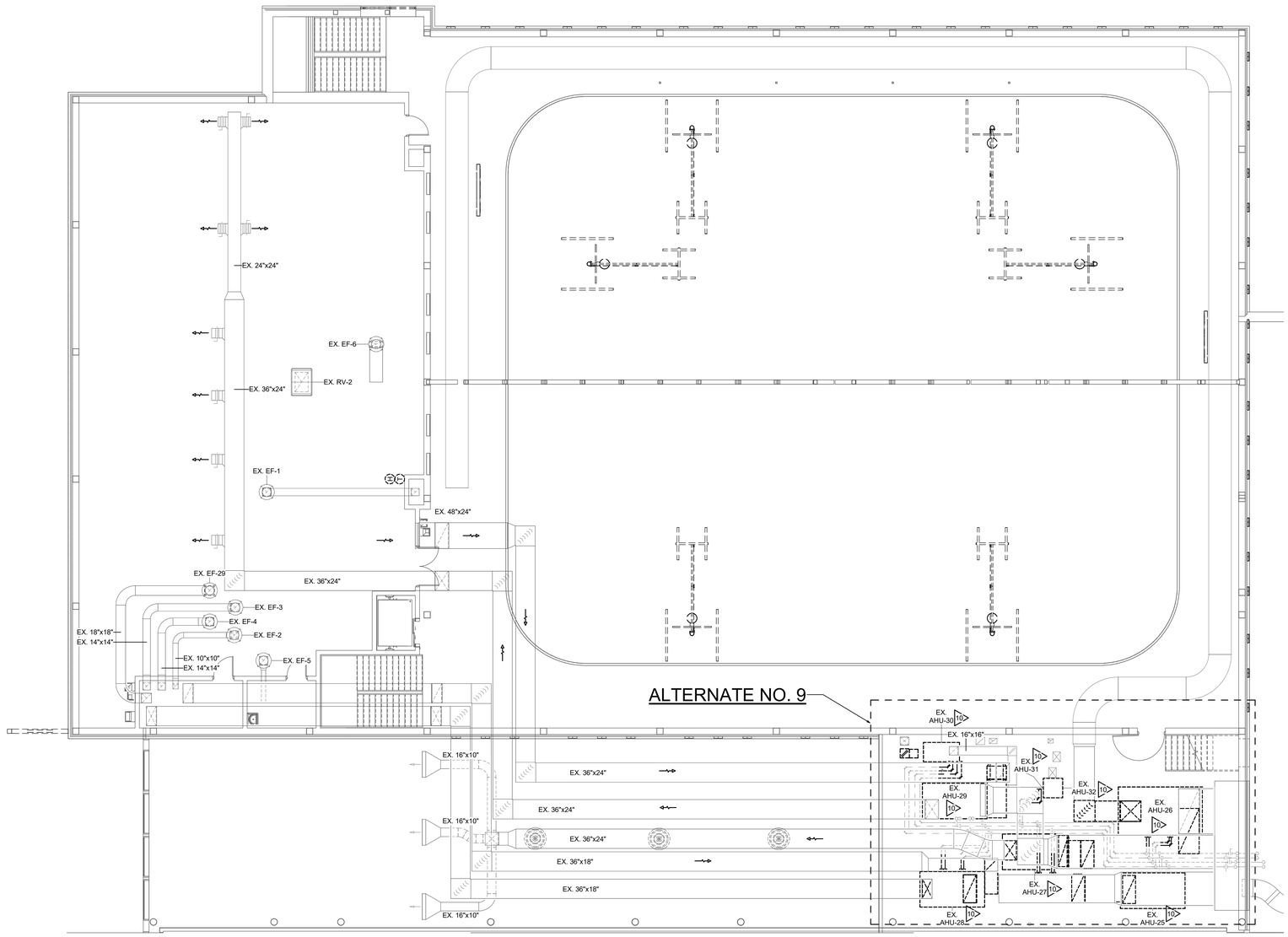

PROJECT NOTES

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INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE, BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

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ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

DEMOLITION/RENOVATION GENERAL NOTES

INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK, EQUIPMENT OR SYSTEMS IN THE BUILDING. IF NEW FINISHES ARE NOT INCLUDED BY OTHERS IN THIS PROJECT IN RENOVATED PORTION OF THE FACILITY, THEN THIS CONTRACTOR MUST RESTORE FINISHES TO MATCH SURROUNDING UNDAMAGED SURFACES.

DURING REMOVAL OF ITEMS SO INDICATED, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.

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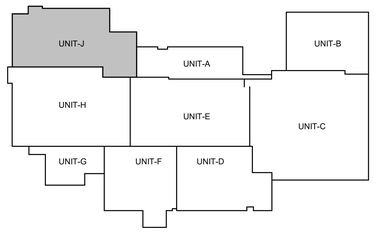
△ DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK AS SHOWN.
2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
3. DISCONNECT AND REMOVE EXISTING VAV/FPB, ASSOCIATED DUCTWORK AND PIPING.
4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
5. DISCONNECT AND REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING AS SHOWN. PATCH EXISTING FLOOR AND WALL AS REQUIRED FOR NEW WORK. REFER TO ARCHTECTURAL FINISH PLANS.
6. DISCONNECT AND REMOVE EXISTING CABINET HEATER AND ASSOCIATE PIPING AS SHOWN.
7. DISCONNECT AND REMOVE EXISTING AHU ON ROOF, ASSOCIATED CURB, PIPING AND DUCTWORK. MODIFY EXISTING ROOF OPENINGS AS REQUIRED FOR NEW ROOFTOP UNITS. REFER TO NEW CONSTRUCTION PLANS. IF EXISTING OPENING IS NOT TO BE REUSED, PATCH EXISTING OPENING. REFER TO ARCHITECTURAL ROOF PLANS.
8. DISCONNECT AND REMOVE EXISTING DUCT HEATING COIL AND ASSOCIATED PIPING AS SHOWN.
9. DISCONNECT AND REMOVE EXISTING DUCTWORK AS SHOWN.
10. DISCONNECT AND REMOVE EXISTING AHU, ASSOCIATED DUCTWORK AND PIPING AS SHOWN.
11. REMOVE EXISTING DRYER DUCT THROUGH SPACE AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW DRYER DUCT.
12. REMOVE EXISTING CHILLER, PIPING AND WIRING.
13. REMOVE EXISTING BOILER, PIPING, PUMPS, VENT AND COMBUSTION DUCT SHOWN.
14. REMOVE EXISTING CHILLER PUMPS, CONCRETE PADS AND PIPING SHOWN.
15. REMOVE EXISTING INLINE EXHAUST FAN AND DUCTWORK AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW EXHAUST FAN.
16. REMOVE EXISTING COMBUSTION AIR LOUVER AND ASSOCIATED DUCTWORK. PATCH/REPAIR OPENING TO MATCH.
17. REMOVE EXISTING HYRDRONIC LINES. MECHANICAL CONTRACTOR RESPONSIBLE FOR SALVAGE OF EXISTING GLYCOL DISPOSAL.
18. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT, PIPING AND PREPARE FOR INSTALLATION OF NEW UNIT.
19. REMOVE EXISTING GRENNHOUSE EQUIPMENT AND PREPARE AS NECESSARY FOR NEW CONSTRUCTION.



KEY PLAN

N

UNIT-J MECHANICAL DEMO PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J MECHANICAL DEMO PLAN - UPPER LEVEL
SHEET:	M129
COMM #:	2265

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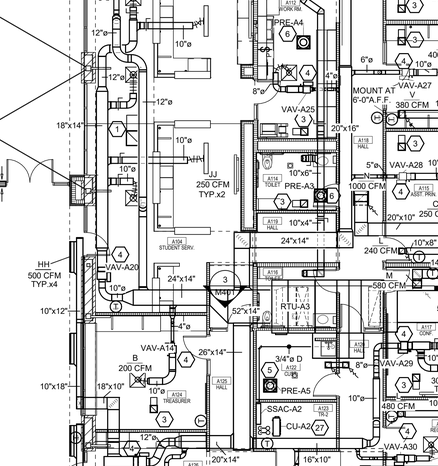
2. PROVIDE AND INSTAL 4" CONCRETE EQUIPMENT PAD.
3. PROVIDE AND INSTALL TRANSFER AIR DUCT TO AREA ABOVE ROOM CEILING. PROVIDE AND INSTALL DUCT LINING FOR ACOUSTICAL PURPOSES. PROVIDE AND INSTALL 12x12 RETURN GRILLE AND 12/6 DUCT.
4. PROVIDE AND INSTALL T-STAT, CONTROLLER AND CONTROL VALVE PAK ABOVE CEILING AND OR HIGH IN OPEN CEILING. MAKE CONTROL VALVE EASILY ACCESSIBLE FOR OWNER.
5. COORDINATE CONTROL OF PRE/CEF WITH T.C.C. DEVICE SHALL BE ON WHEN BUILDING IS OCCUPIED AND OFF WHEN BUILDING IS UNOCCUPIED. COORDINATE WORK WITH OTHERS AS REQUIRED.
6. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH LIGHTS BY DIV. 26. FAN IS ON WHEN LIGHT IS ON AND OFF WHEN LIGHT IS OFF. FAN SHALL CONTINUE TO RUN FOR AN ADJUSTABLE TIME PERIOD AFTER LIGHT SWITCH IS OFF, USING E.C. INSTALLED RELAY.
7. PROVIDE AND INSTALL 1" (OR SPECIFIED SIZE) COPPER CONDENSATE DRAIN LINE TO OUTSIDE OF BUILDING WITH A 90 DEGREE ELBOW TURNED DOWN 4" AWAY FROM THE BUILDING 4" A.F.F.
8. PROVIDE AND INSTALL 3/4" (OR SPECIFIED SIZE) COPPER CONDENSATE LINE TO OSD, BELOW-SINK OSD, OR SINK BASIN.
9. PROVIDE AN OPENING FOR RELIEF AIR TRANSFER BETWEEN ROOMS TO GRV/REF ABOVE FINISH CEILINGS. OPENING TO BE APPROXIMATELY 12/10 OR SPECIFIED SIZE.
10. PROVIDE AND INSTALL 8" DIAMETER DUCT (OR SPECIFIED SIZE) UP TO OAI BREIDERT CAP AS SHOWN. PROVIDE AND INSTALL MOTORIZED DAMPERS. TAB TO SET MINIMUM O/A POSITION.
11. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH T-STAT. FAN SHALL RUN WHEN TEMPERATURE IN ROOM IS ABOVE 80 DEG. (ADJ.)
12. COORDINATE CONTROL OF GRV WITH PRESSURE SENSOR IN BUILDING. CONTROL GRV TO MAINTAIN POSITIVE PRESSURE. DUCT ATTACHED TO GRV SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.
13. INSTALL MANUFACTURE PROVIDED REMOTE T-STAT. T.C.C. TO PROVIDE AND INSTALL A SECOND T-STAT FOR MONITORING AND ALARM PURPOSES.
14. COORDINATE CONTROL OF EXHAUST FAN WITH PILOTED SWITCH BY DIV. 26.
15. PROVIDE HUMIDISTAT AT LOCATION SHOWN FOR MONITORING AND ALARM PURPOSES ONLY.
16. PROVIDE AND INSTALL CO2 SENSOR. COORDINATE CONTROL OF OUTSIDE AIR DAMPER TO MAINTAIN MAXIMUM CO2 LEVEL OF 700 PPM ABOVE OUTSIDE AMBIENT.
17. PROVIDE AND INSTALL DIFFERENTIAL PRESSURE SENSOR ACROSS HWS/E AND CWS/R PIPING IN AREA SHOWN. T.C.C. SHALL CONTROL SPEED OF BUILDING PUMPS TO MAINTAIN MINIMUM OF 20 FT. OF HEAD PRESSURE (ADJ.) CONTRACTOR SHALL ALSO INSTALL PRESSURE GAUGES PER SPEC. IN THE SAME LOCATIONS.
18. COORDINATE CONTROL OF REF W/ PRESSURE SENSOR IN BUILDING. CONTROL VFD TO MAINTAIN BUILDING POSITIVE PRESSURE. DUCT ATTACHED TO REF SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.
19. PROVIDE AND INSTALL 20/12 TRANSFER AIR DUCT W/ SMOKE DAMPER.
20. PROVIDE AND INSTALL 4" GALVANIZED DRYER VENT AND WALL CAP.
21. PROVIDE AND INSTALL 4" GALVANIZED DUCT TO 4" A.F.F. TO UP THRU ROOF W/ RAIN CAP FOR OWNER SUPPLIED KILN UNIT PROVIDE AND INSTALL VENT FAN SYSTEM. SEE SCHEDULE.
22. PROVIDE AND INSTALL SCHEDULE 80 PVC PIPING BETWEEN ROOFTOP POOL DEHUMIDIFICATION UNIT AND POOL HEATING LOOP IN POOL EQUIPMENT ROOM FOR POOL HEATING LOOP CONNECTION. COORDINATE WITH POOL EQUIPMENT MANUFACTURER FOR PROPER INSTALLATION. SEE PIPING DETAIL FOR FURTHER INFORMATION.
23. PROVIDE AND INSTALL 8" GALVANIZED DRYER VENT PIPE FROM 2' A.F.F. TO THRU ROOF WITH GOOSENECK TERMINATION. NO SCREWS USE IN DUCT ASSEMBLY.
24. PROVIDE AND INSTALL 6" CONCRETE PAD FOR CHILLERS.
25. PROVIDE AND INSTALL 10/4 GALVANIZED RANGE HOOD DUCT UP WALL TO ROOF PENETRATION AND ROOF CAP ABOVE.
26. COORDINATE CONTROL OF EXHAUST FAN TO OPERATE WHEN DISH DRYER OPERATES.
27. PROVIDE AND INSTALL REFRIGERANT PIPING UP TO CONDENSER UNIT. SIZE PER MANUFACTURER'S REQUIREMENTS.



KEY PLAN

UNIT-A MECHANICAL PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV ARCHITECTS & ENGINEERS

BARTON COE VILAMAA

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-A MECHANICAL PLAN
SHEET:	M201
COMM #:	2265

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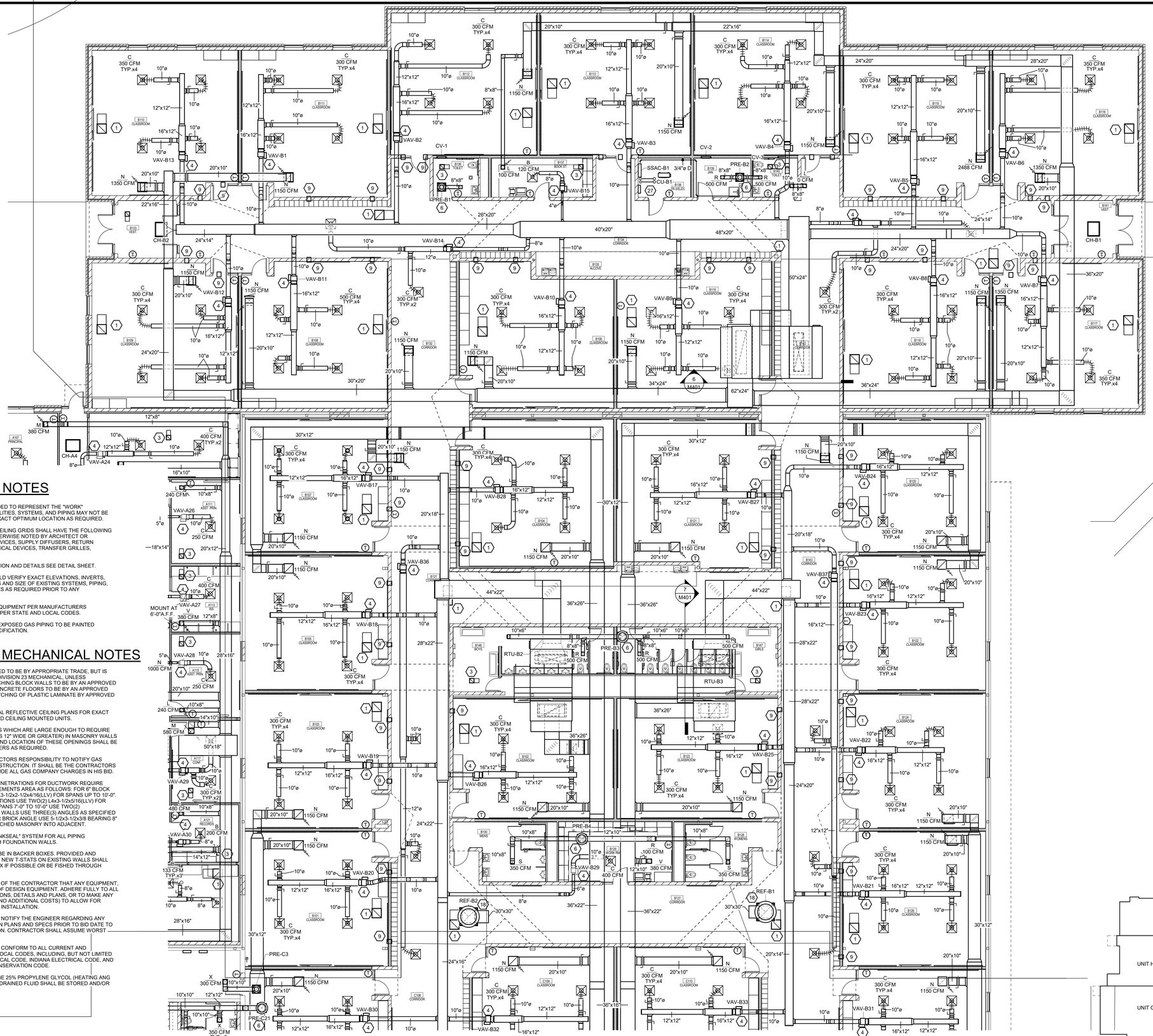

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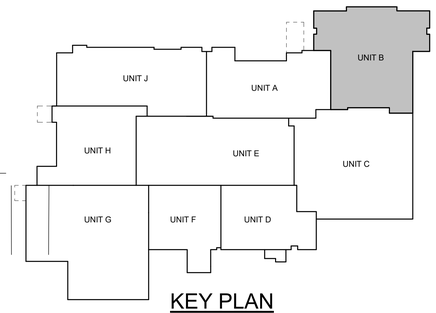
THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.



KEY PLAN

UNIT-B MECHANICAL PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-B MECHANICAL PLAN

SHEET: **M202**

COMM #: 2265

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CONSTRUCTION NOTES

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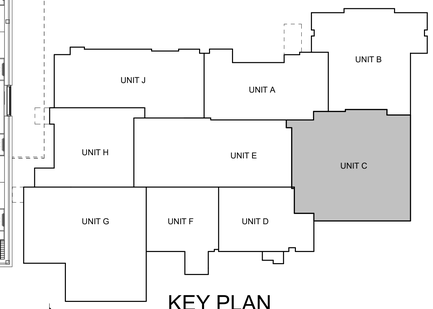

KEY PLAN

UNIT-C MECHANICAL PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-C MECHANICAL PLAN
SHEET:	M203
COMM #:	2265

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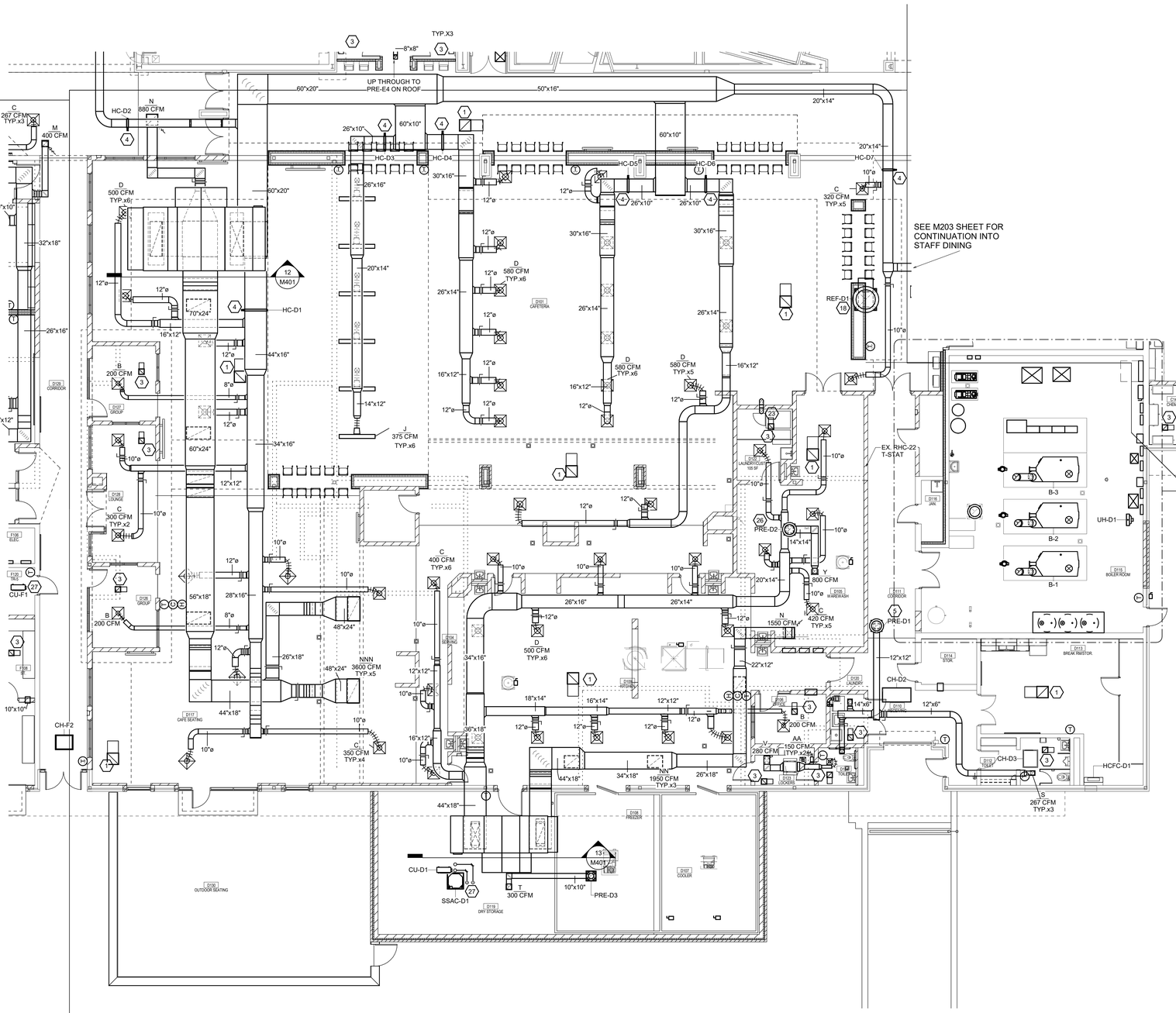

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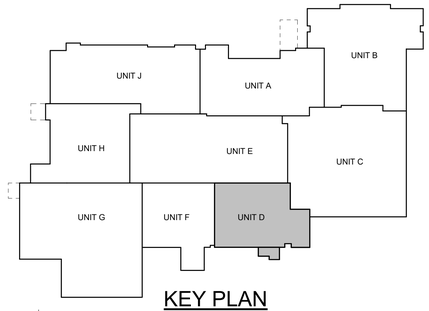

KEY PLAN

UNIT-D MECHANICAL PLAN

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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-D MECHANICAL PLAN
SHEET:	M204
COMM #:	2265

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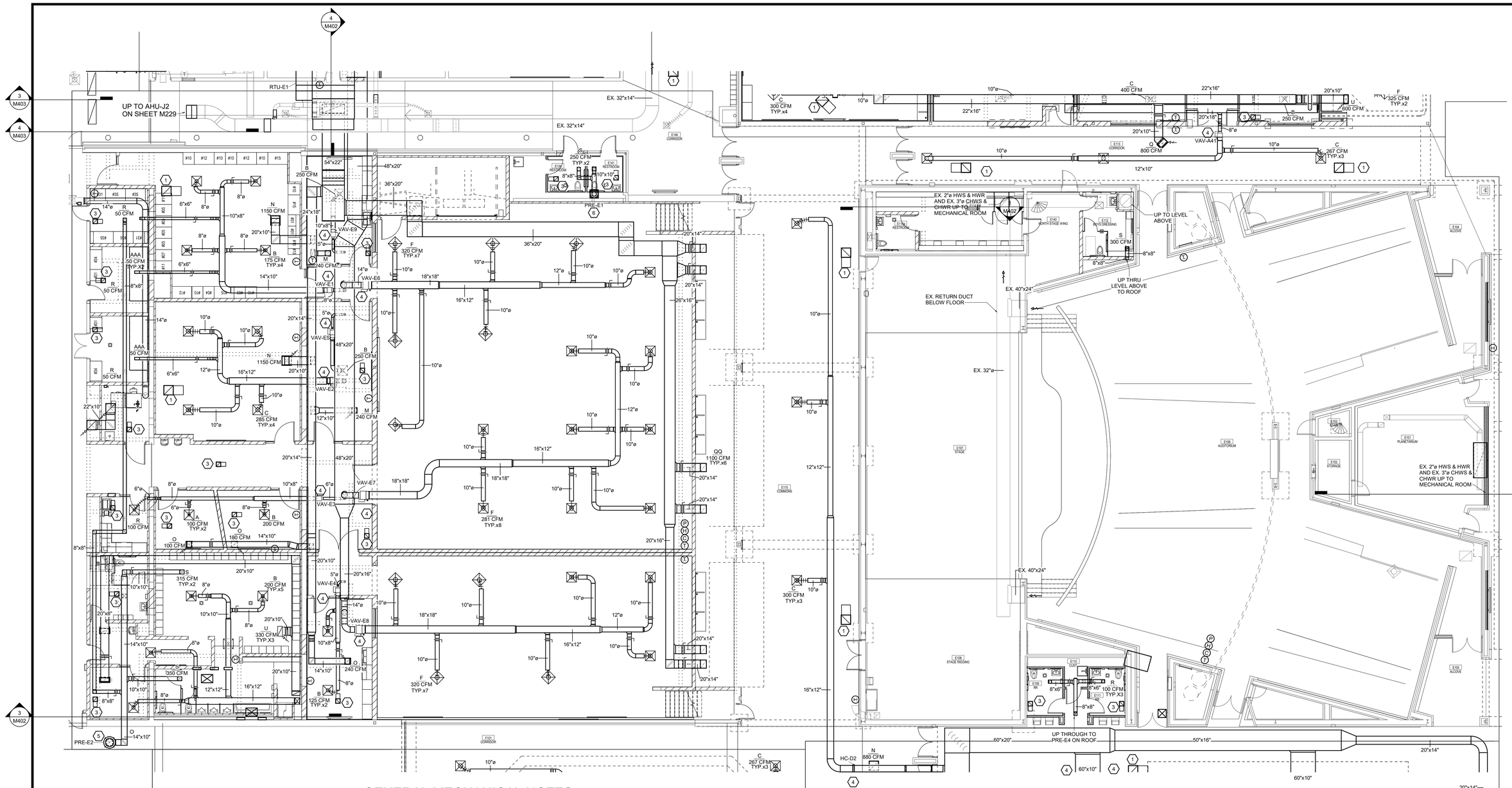

PROJECT NOTES

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CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE, BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

ALL NEW T-STATS SHALL BE IN BACKER BOXES. PROVIDED AND INSTALLED BY DIV. 26. ALL NEW T-STATS ON EXISTING WALLS SHALL REUSE EXSITNG BACK BOX IF POSSIBLE OR BE FISHED THROUGH EXISTING WALL CAVITY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ANY EQUIPMENT, OTHER THAN THE BASIS OF DESIGN EQUIPMENT, ADHERE FULLY TO ALL SCHEDULES, SPECIFICATIONS, DETAILS AND PLANS, OR TO MAKE ANY CHANGES REQUIRED (AT NO ADDITIONAL COSTS) TO ALLOW FOR PROPER OPERATION AND INSTALLATION.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TRANSFER AIR DUCT TO AREA ABOVE ROOM CEILING. PROVIDE AND INSTALL DUCT LINING FOR ACOUSTICAL PURPOSES. PROVIDE AND INSTALL 24x24 RETURN GRILLE AND 24/12 DUCT.
2. PROVIDE AND INSTAL 4" CONCRETE EQUIPMENT PAD.
3. PROVIDE AND INSTALL TRANSFER AIR DUCT TO AREA ABOVE ROOM CEILING. PROVIDE AND INSTALL DUCT LINING FOR ACOUSTICAL PURPOSES. PROVIDE AND INSTALL 12x12 RETURN GRILLE AND 12/6 DUCT.
4. PROVIDE AND INSTALL T-STAT, CONTROLLER AND CONTROL VALVE PAK ABOVE CEILING AND OR HIGH IN OPEN CEILING. MAKE CONTROL VALVE EASILY ACCESSIBLE FOR OWNER.
5. COORDINATE CONTROL OF PRE/CEF WITH T.C.C. DEVICE SHALL BE ON WHEN BUILDING IS OCCUPIED AND OFF WHEN BUILDING IS UNOCCUPIED. COORDINATE WORK WITH OTHERS AS REQUIRED.
6. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH LIGHTS BY DIV. 26. FAN IS ON WHEN LIGHT IS ON AND OFF WHEN LIGHT IS OFF. FAN SHALL CONTINUE TO RUN FOR AN ADJUSTABLE TIME PERIOD AFTER LIGHT SWITCH IS OFF, USING E.C. INSTALLED RELAY.
7. PROVIDE AND INSTALL 1" (OR SPECIFIED SIZE) COPPER CONDENSATE DRAIN LINE TO OUTSIDE OF BUILDING WITH A 90 DEGREE ELBOW TURNED DOWN 4" AWAY FROM THE BUILDING 4" A.F.F.
8. PROVIDE AND INSTALL 3/4" (OR SPECIFIED SIZE) COPPER CONDENSATE LINE TO OSD, BELOW-SINK OSD, OR SINK BASIN.
9. PROVIDE AN OPENING FOR RELIEF AIR TRANSFER BETWEEN ROOMS TO GRV/REF ABOVE FINISH CEILINGS. OPENING TO BE APPROXIMATELY 12/10 OR SPECIFIED SIZE.
10. PROVIDE AND INSTALL 6" DIAMETER DUCT (OR SPECIFIED SIZE) UP TO OAI BREIDERT CAP AS SHOWN. PROVIDE AND INSTALL MOTORIZED DAMPERS. TAB TO SET MINIMUM O/A POSITION.
11. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH T-STAT. FAN SHALL RUN WHEN TEMPERATURE IN ROOM IS ABOVE 80 DEG. (ADJ.)
12. COORDINATE CONTROL OF GRV WITH PRESSURE SENSOR IN BUILDING. CONTROL GRV TO MAINTAIN POSITIVE PRESSURE. DUCT ATTACHED TO GRV SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.

CONSTRUCTION NOTES

13. INSTALL MANUFACTURE PROVIDED REMOTE T-STAT. T.C.C. TO PROVIDE AND INSTALL A SECOND T-STAT FOR MONITORING AND ALARM PURPOSES.
14. COORDINATE CONTROL OF EXHAUST FAN WITH PILOTED SWITCH BY DIV. 26.
15. PROVIDE HUMIDISTAT AT LOCATION SHOWN FOR MONITORING AND ALARM PURPOSES ONLY.
16. PROVIDE AND INSTALL CO2 SENSOR. COORDINATE CONTROL OF OUTSIDE AIR DAMPER TO MAINTAIN MAXIMUM CO2 LEVEL OF 700 PPM ABOVE OUTSIDE AMBIENT.
17. PROVIDE AND INSTALL DIFFERENTIAL PRESSURE SENSOR ACROSS HW/SE AND CW/SR PIPING IN AREA SHOWN. T.C.C. SHALL CONTROL SPEED OF BUILDING PUMPS TO MAINTAIN MINIMUM OF 20 FT. OF HEAD PRESSURE (ADJ.) CONTRACTOR SHALL ALSO INSTALL PRESSURE GAUGES PER SPEC. IN THE SAME LOCATIONS.
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21. PROVIDE AND INSTALL 4" GALVANIZED DUCT TO 4" A.F.F. TO UP THRU ROOF W/ RAIN CAP FOR OWNER SUPPLIED KILN UNIT PROVIDE AND INSTALL VENT FAN SYSTEM. SEE SCHEDULE.
22. PROVIDE AND INSTALL SCHEDULE 80 PVC PIPING BETWEEN ROOFTOP POOL DEHUMIDIFICATION UNIT AND POOL HEATING LOOP IN POOL EQUIPMENT ROOM FOR POOL HEATING LOOP CONNECTION. COORDINATE WITH POOL EQUIPMENT MANUFACTURER FOR PROPER INSTALLATION. SEE PIPING DETAIL FOR FURTHER INFORMATION.
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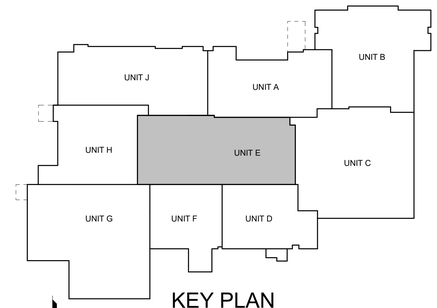

KEY PLAN

UNIT-E MECHANICAL PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF
INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-E MECHANICAL PLAN
SHEET:	M205
COMM #:	2265

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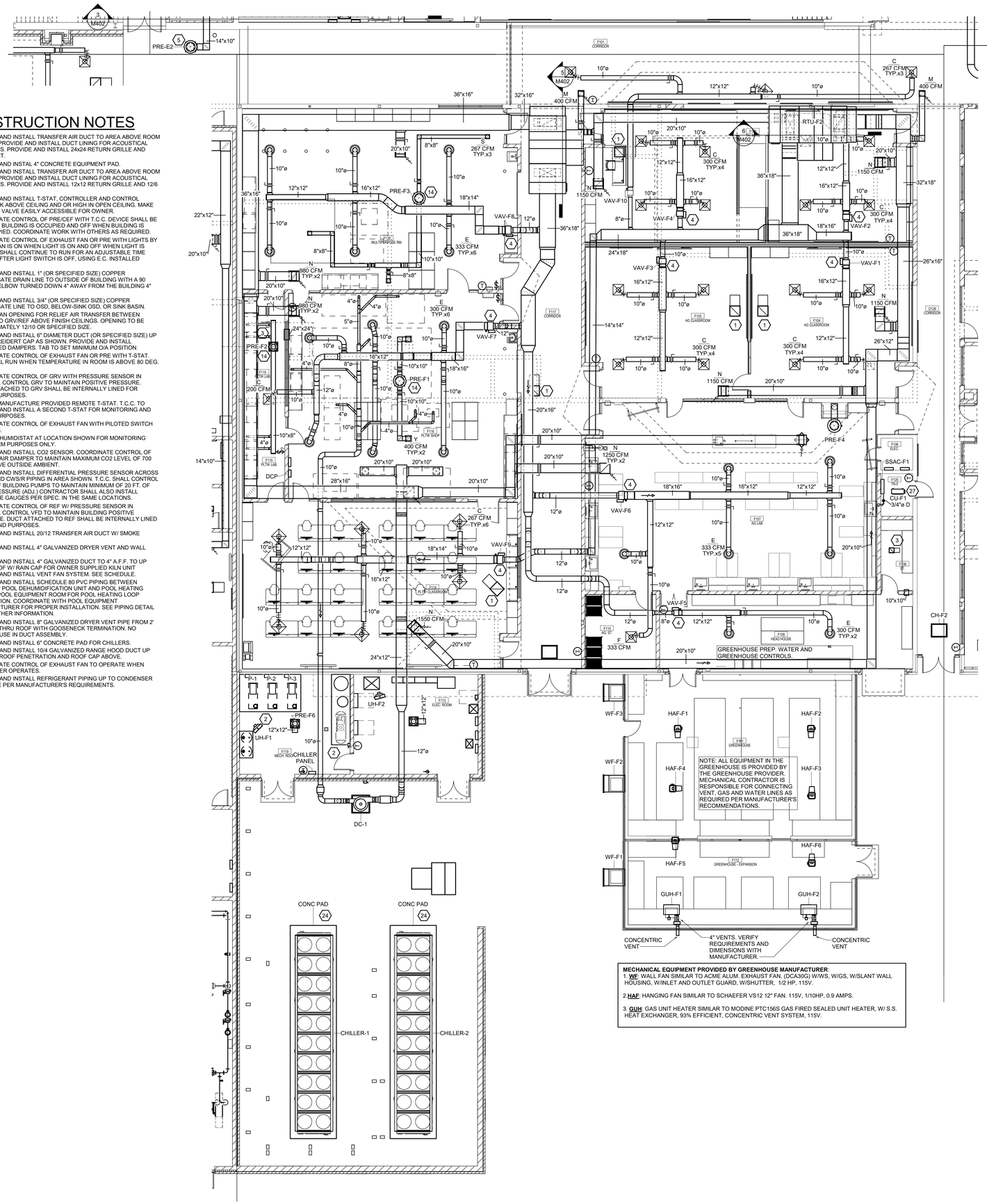

MECHANICAL EQUIPMENT PROVIDED BY GREENHOUSE MANUFACTURER:

1. **WF**: WALL FAN SIMILAR TO ACME ALUM. EXHAUST FAN, (DCA30G) W/WS, W/GS, W/SLANT WALL HOUSING, W/INLET AND OUTLET GUARD, W/SHUTTER, 1/2 HP, 115V.
2. **HAF**: HANGING FAN SIMILAR TO SCHAEFER VS12 12" FAN. 115V, 1/10HP, 0.9 AMPS.
3. **GUH**: GAS UNIT HEATER SIMILAR TO MODINE PTC156S GAS FIRED SEALED UNIT HEATER, W/ S.S. HEAT EXCHANGER, 93% EFFICIENT, CONCENTRIC VENT SYSTEM, 115V.

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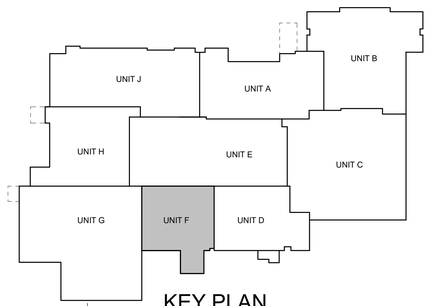

KEY PLAN

UNIT-F MECHANICAL PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

0	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-F MECHANICAL PLAN
SHEET:	M206
COMM #:	2265

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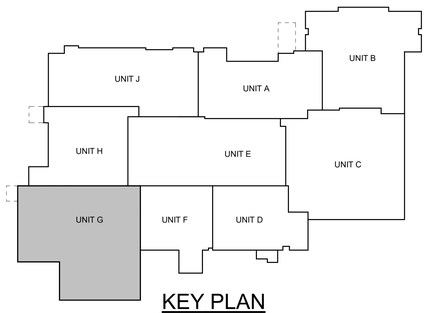

KEY PLAN

UNIT-G MECHANICAL PLAN

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GENERAL MECHANICAL NOTES

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RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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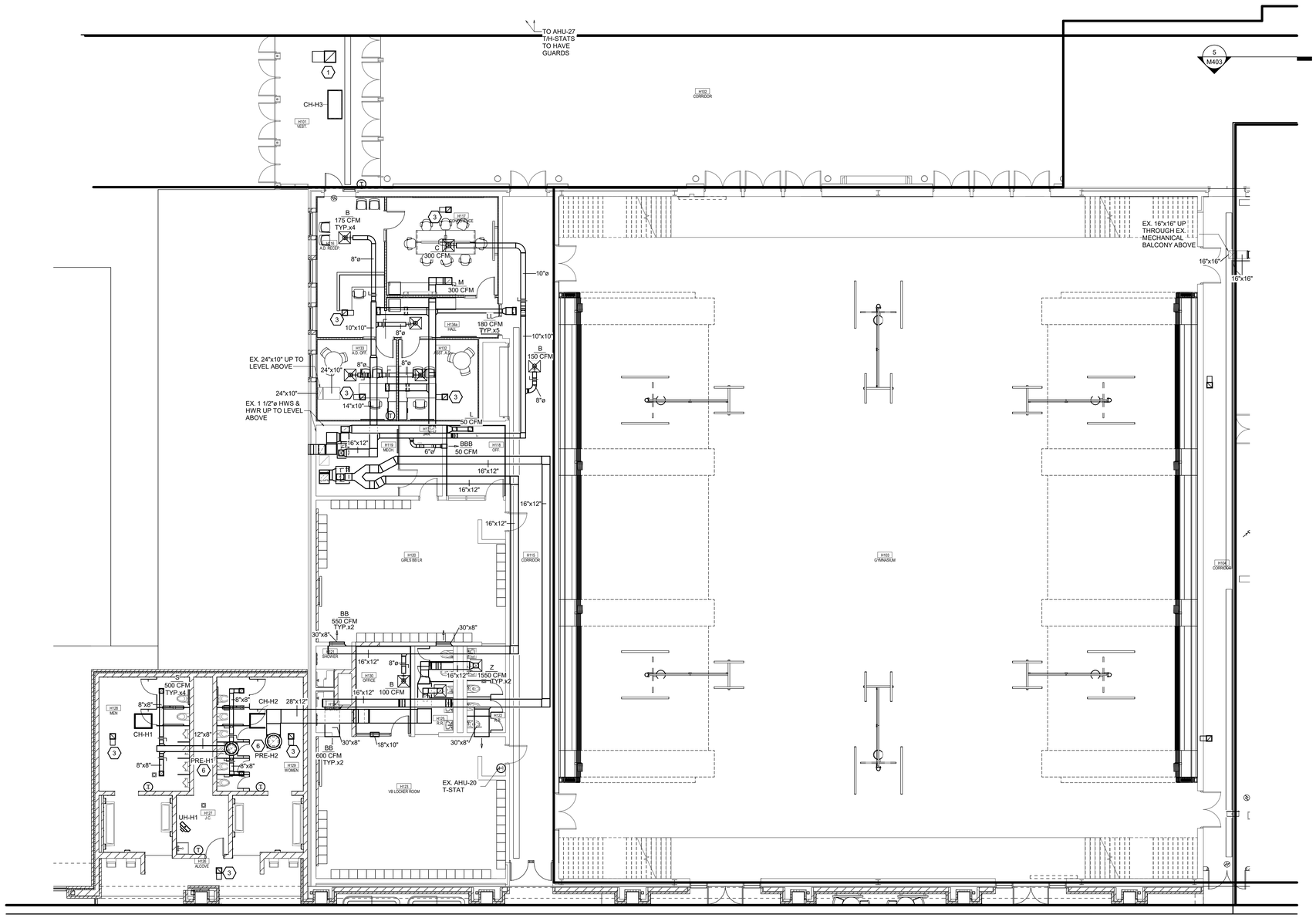
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-G MECHANICAL PLAN
SHEET:	M207
COMM #:	2265

1/16/2024 12:31:48 PM



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DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

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TYP.x8

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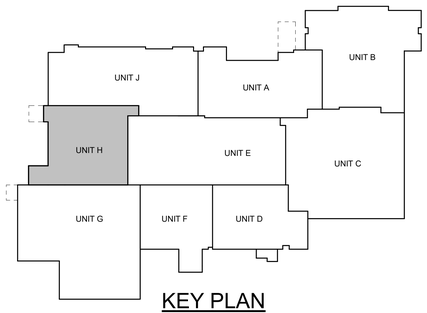

KEY PLAN

UNIT-H MECHANICAL PLAN

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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

Δ	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-H MECHANICAL PLAN
SHEET:	M208
COMM #:	2265

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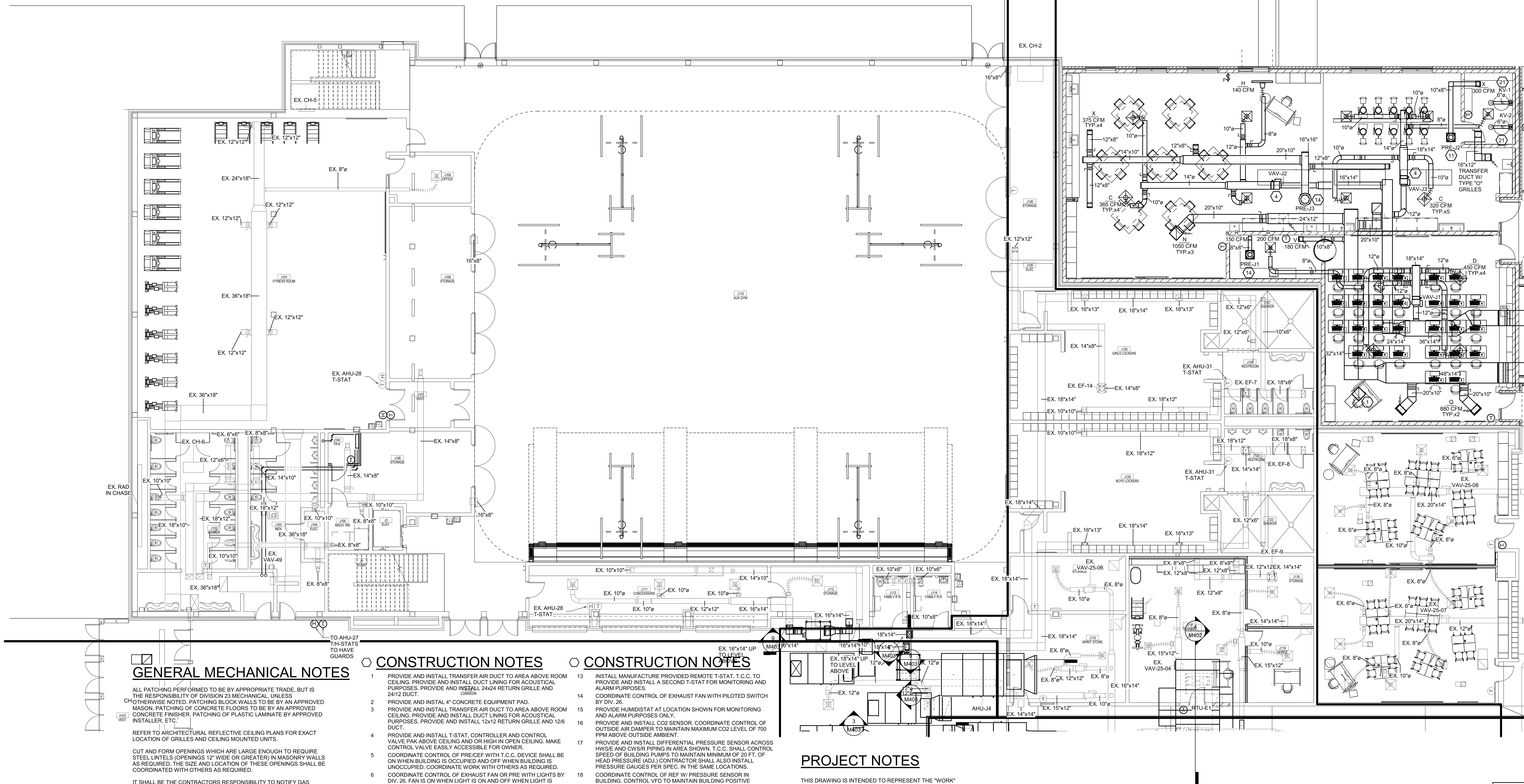

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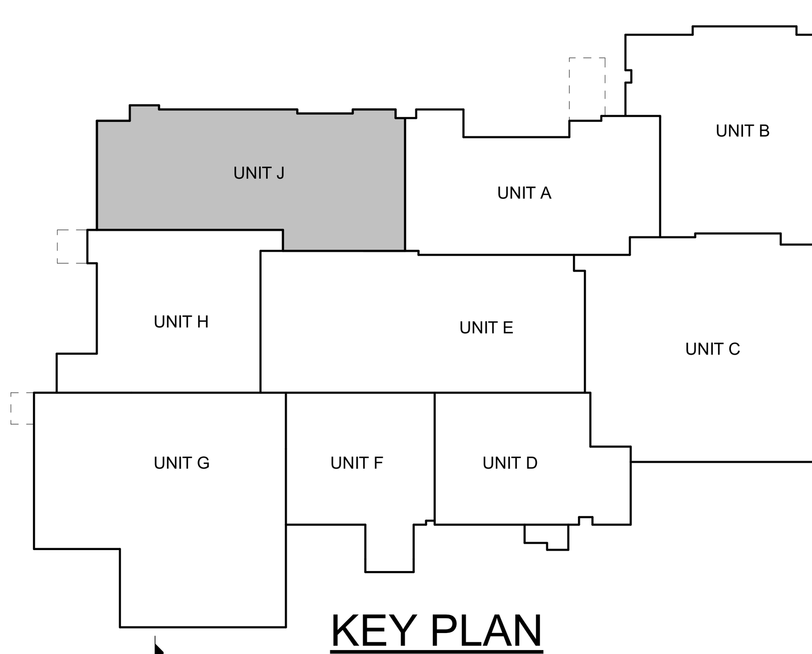

KEY PLAN

UNIT-J MECHANICAL PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J MECHANICAL PLAN

SHEET: **M209**

COMM #: 2265

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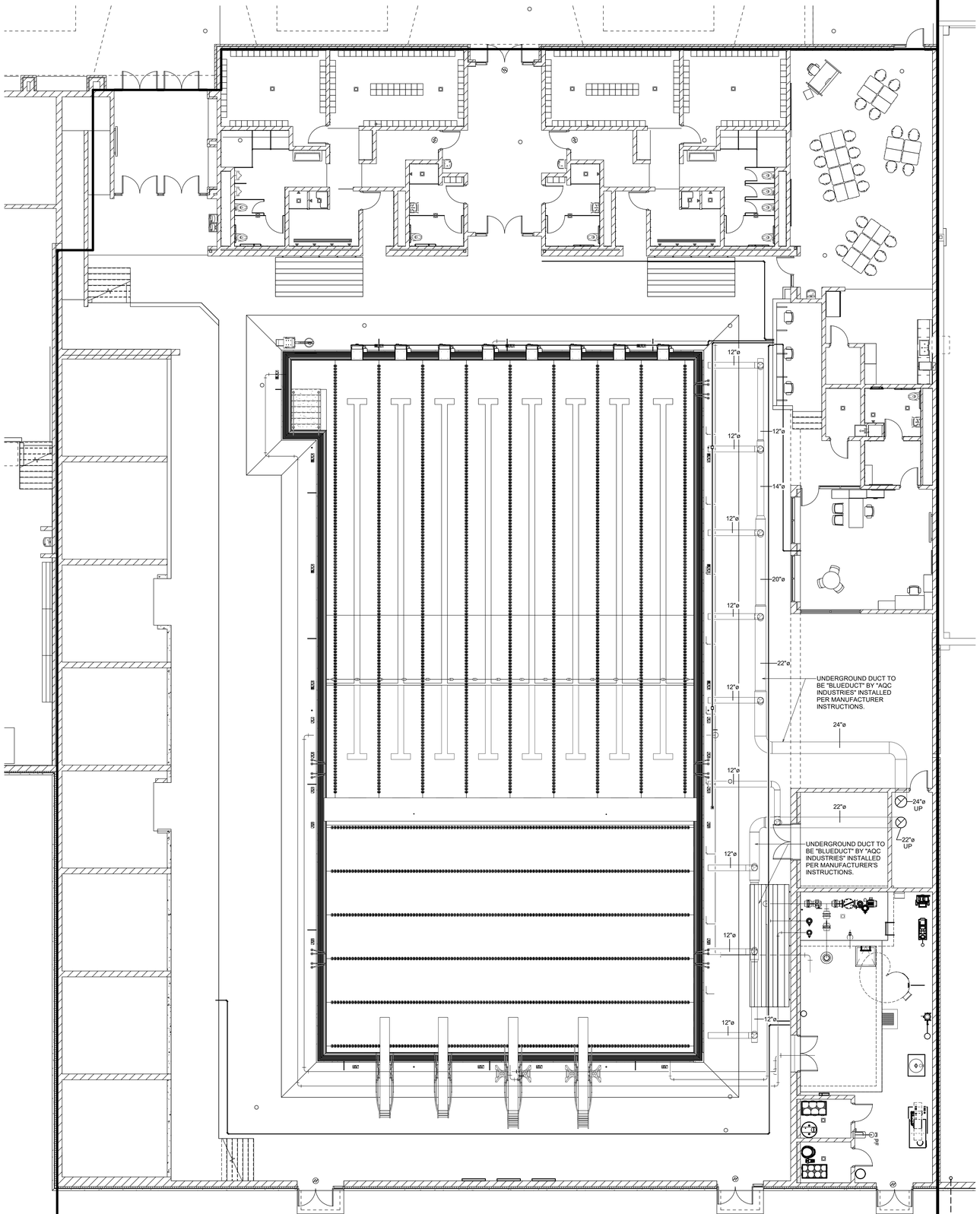

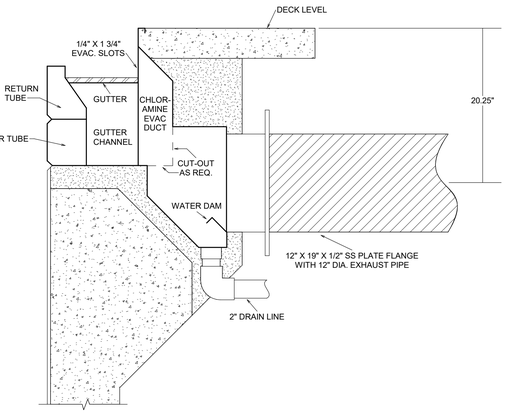

2 / M210 POOL GUTTER EXHAUST DETAIL

NOT TO SCALE

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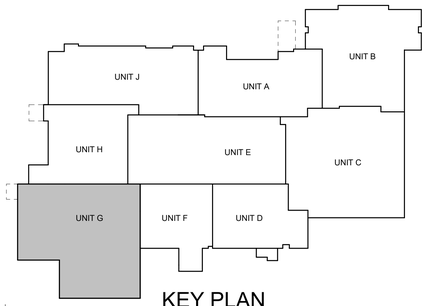

KEY PLAN

UNIT-G MECHANICAL UNDERGROUND

SCALE : 1/8" = 1'-0"

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INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-G MECHANICAL UNDERGROUND

SHEET: **M210**

COMM #: 2265

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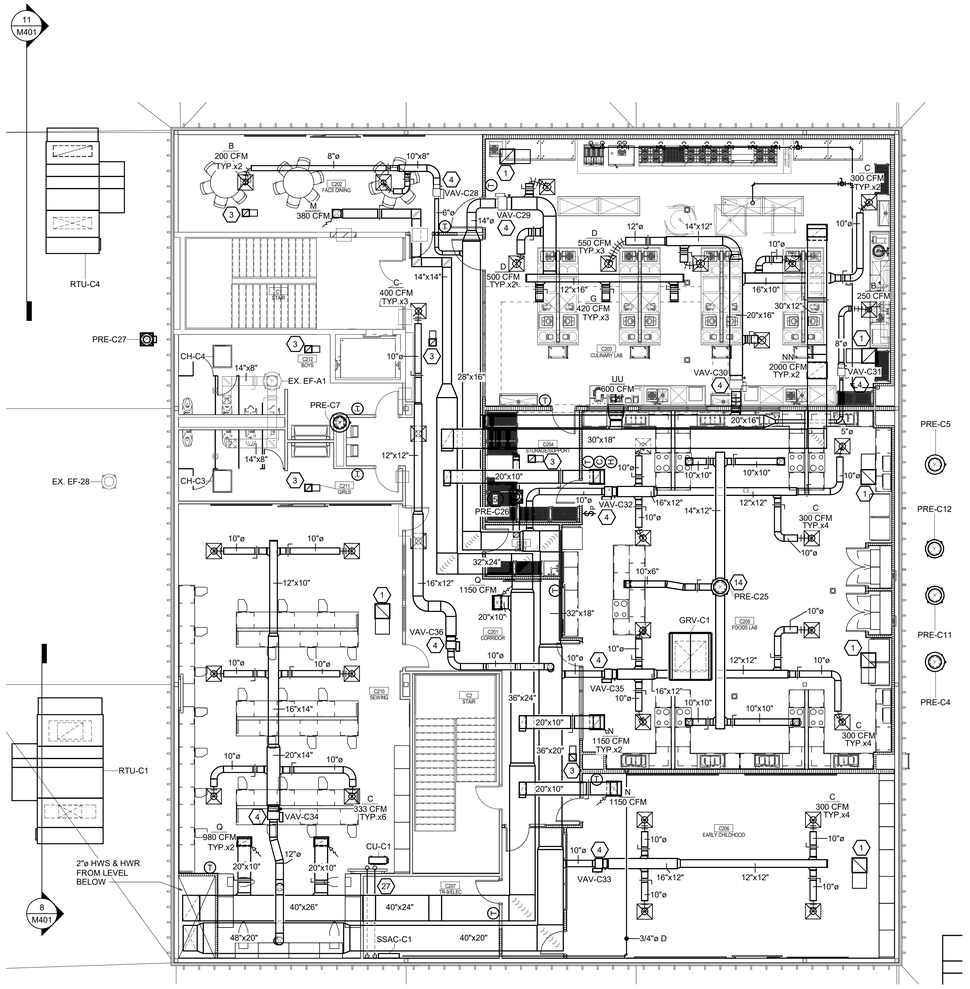

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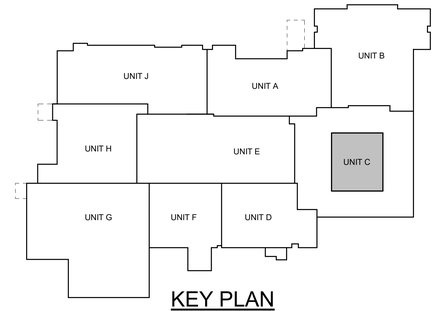

KEY PLAN

N

UNIT-C MECHANICAL PLAN - SECOND FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

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RENOVATIONS AND ADDITIONS TO:
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DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C MECHANICAL PLAN - SECOND FLOOR

SHEET: **M223**

COMM #: 2265

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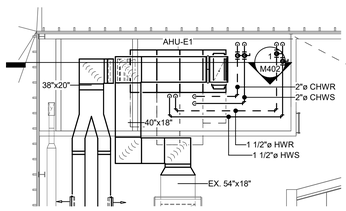

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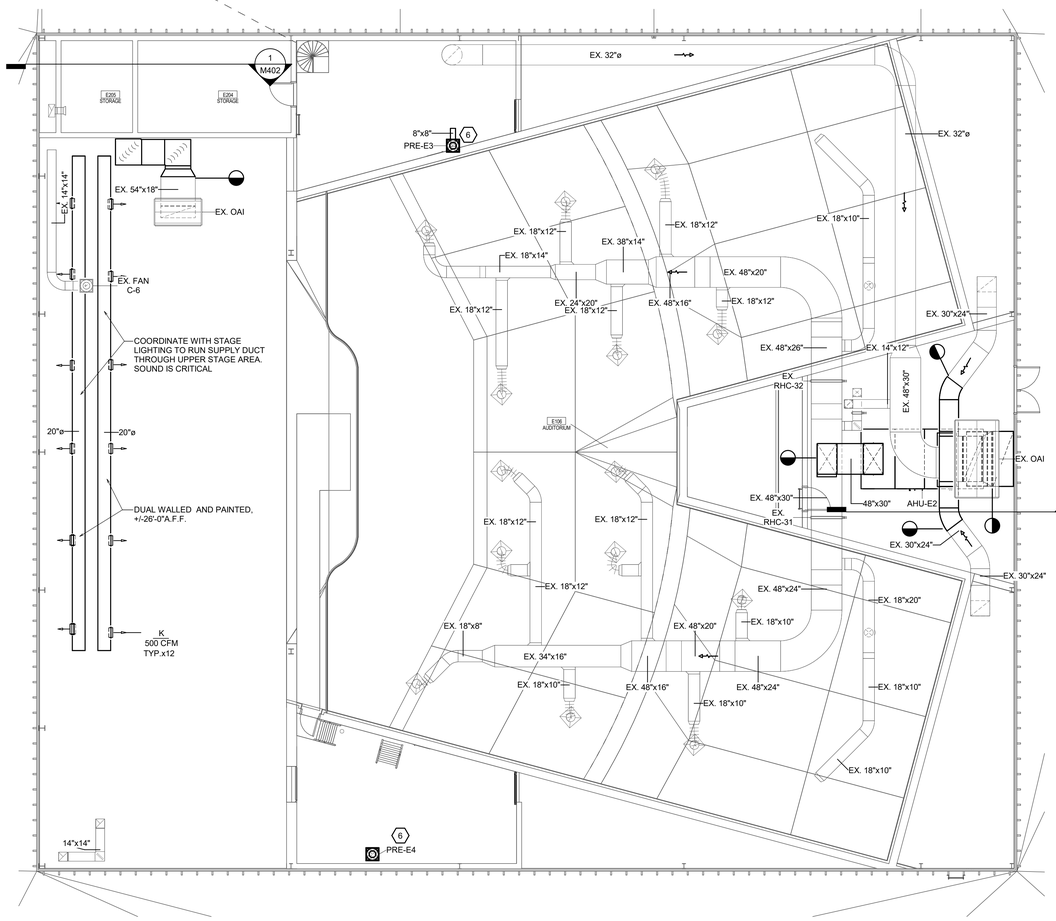
UPPER STAGE MEZZANINE

SCALE : 1/8" = 1'-0"



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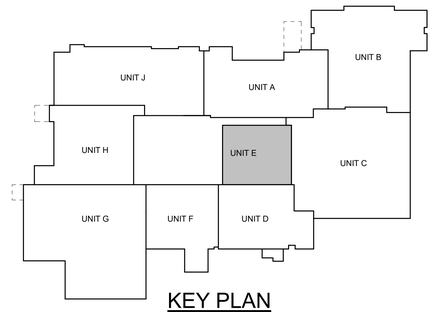

KEY PLAN

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UNIT-E MECHANICAL PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE0910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E MECHANICAL PLAN - UPPER LEVEL

SHEET: **M225**

COMM #: 2265

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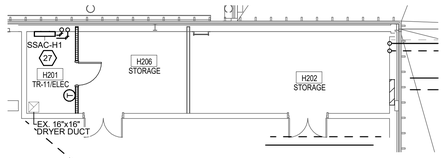

UNIT-H MECHANICAL PLAN - UPPER LEVEL ELECTRICAL

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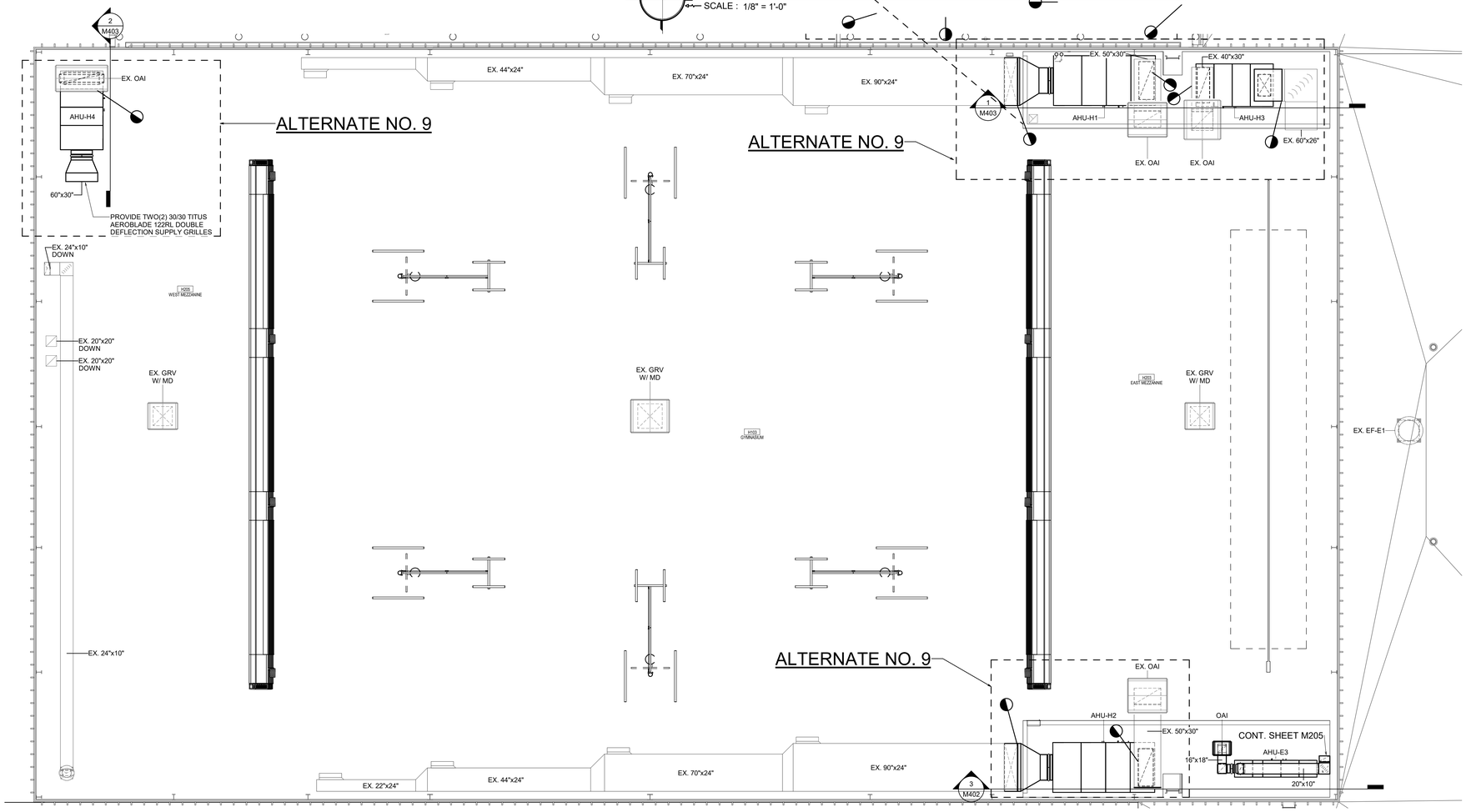

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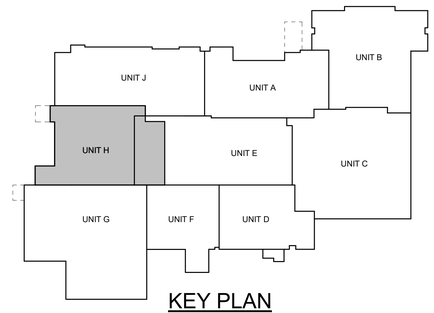

KEY PLAN

UNIT-H MECHANICAL PLAN - UPPER LEVEL

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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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INDICATES REVISION AND DATE	
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-H MECHANICAL PLAN - UPPER LEVEL
SHEET:	M228
COMM #:	2265

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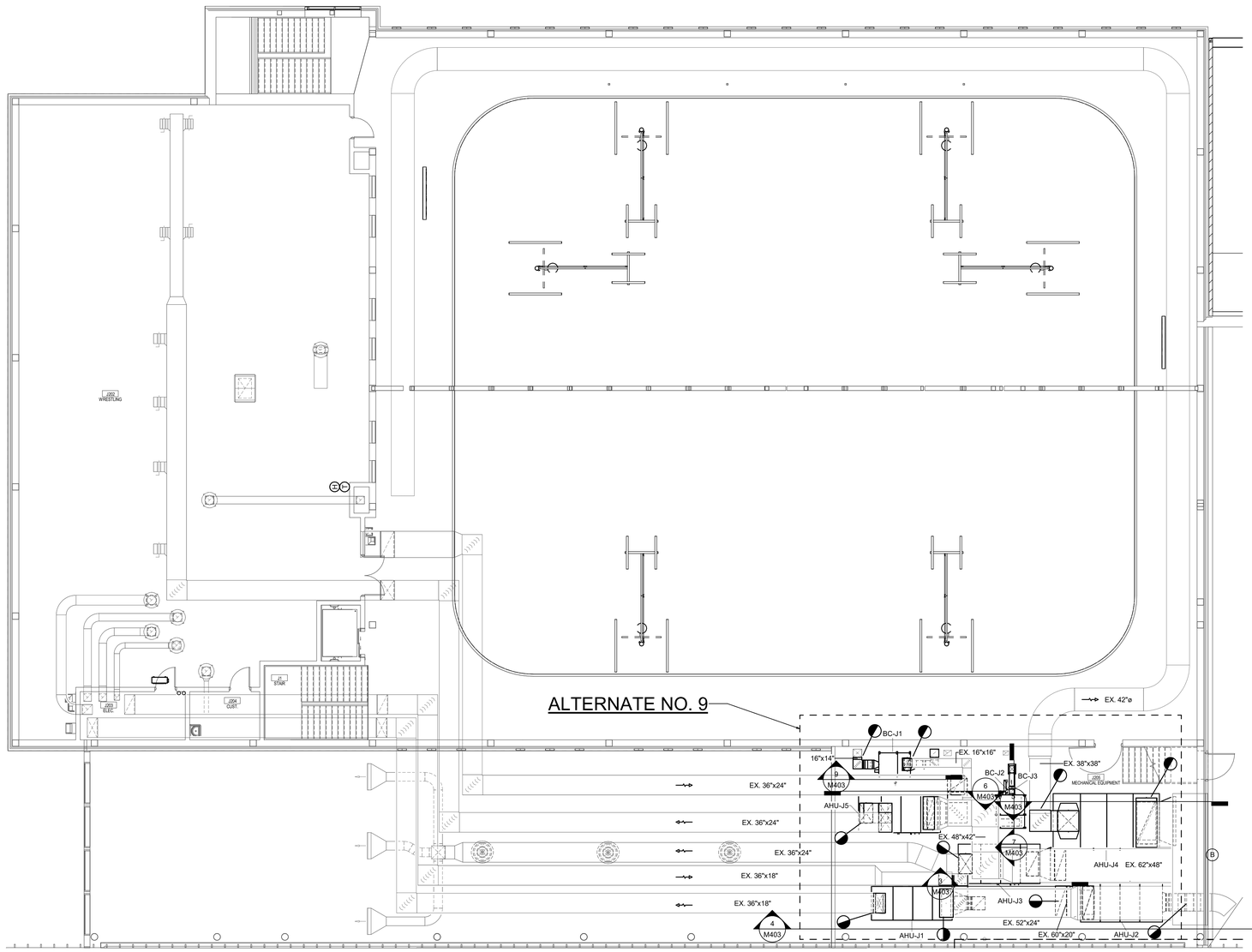

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8 PROVIDE AND INSTALL 3/4" (OR SPECIFIED SIZE) COPPER CONDENSATE LINE TO OSD, BELOW-SINK OSD, OR SINK BASIN.

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11 COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH T-STAT. FAN SHALL RUN WHEN TEMPERATURE IN ROOM IS ABOVE 80 DEG. (ADJ.)

12 COORDINATE CONTROL OF GRV WITH PRESSURE SENSOR IN BUILDING. CONTROL GRV TO MAINTAIN POSITIVE PRESSURE. DUCT ATTACHED TO GRV SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.

13 INSTALL MANUFACTURE PROVIDED REMOTE T-STAT. T.C.C. TO PROVIDE AND INSTALL A SECOND T-STAT FOR MONITORING AND ALARM PURPOSES.

14 COORDINATE CONTROL OF EXHAUST FAN WITH PILOTED SWITCH BY DIV. 26.

15 PROVIDE HUMIDISTAT AT LOCATION SHOWN FOR MONITORING AND ALARM PURPOSES ONLY.

16 PROVIDE AND INSTALL CO2 SENSOR. COORDINATE CONTROL OF OUTSIDE AIR DAMPER TO MAINTAIN MAXIMUM CO2 LEVEL OF 700 PPM ABOVE OUTSIDE AMBIENT.

17 PROVIDE AND INSTALL DIFFERENTIAL PRESSURE SENSOR ACROSS HWS/E AND CWS/R PIPING IN AREA SHOWN. T.C.C. SHALL CONTROL SPEED OF BUILDING PUMPS TO MAINTAIN MINIMUM OF 20 FT. OF HEAD PRESSURE (ADJ.) CONTRACTOR SHALL ALSO INSTALL PRESSURE GAUGES PER SPEC. IN THE SAME LOCATIONS.

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19 PROVIDE AND INSTALL 20/12 TRANSFER AIR DUCT W/ SMOKE DAMPER.

20 PROVIDE AND INSTALL 4" GALVANIZED DRYER VENT AND WALL CAP.

21 PROVIDE AND INSTALL 4" GALVANIZED DUCT TO 4" A.F.F. TO UP THRU ROOF W/ RAIN CAP FOR OWNER SUPPLIED KILN UNIT PROVIDE AND INSTALL VENT FAN SYSTEM. SEE SCHEDULE.

22 PROVIDE AND INSTALL SCHEDULE 80 PVC PIPING BETWEEN ROOFTOP POOL DEHUMIDIFICATION UNIT AND POOL HEATING LOOP IN POOL EQUIPMENT ROOM FOR POOL HEATING LOOP CONNECTION. COORDINATE WITH POOL EQUIPMENT MANUFACTURER FOR PROPER INSTALLATION. SEE PIPING DETAIL FOR FURTHER INFORMATION.

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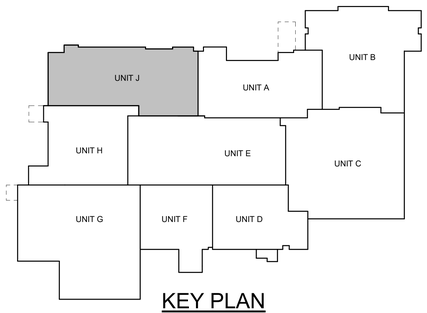

KEY PLAN

UNIT-J MECHANICAL PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA

ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J MECHANICAL PLAN - UPPER LEVEL

SHEET: **M229**

COMM #: 2265

1/16/2024 12:22:44 PM

GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE, BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

ALL NEW T-STATS SHALL BE IN BACKER BOXES. PROVIDED AND INSTALLED BY DIV. 26. ALL NEW T-STATS ON EXISTING WALLS SHALL REUSE EXSITING BACK BOX IF POSSIBLE OR BE FISHED THROUGH EXISTING WALL CAVITY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ANY EQUIPMENT, OTHER THAN THE BASIS OF DESIGN EQUIPMENT. ADHERE FULLY TO ALL SCHEDULES, SPECIFICATIONS, DETAILS AND PLANS, OR TO MAKE ANY CHANGES REQUIRED AT NO ADDITIONAL COSTS) TO ALLOW FOR PROPER OPERATION AND INSTALLATION.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

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CONSTRUCTION NOTES

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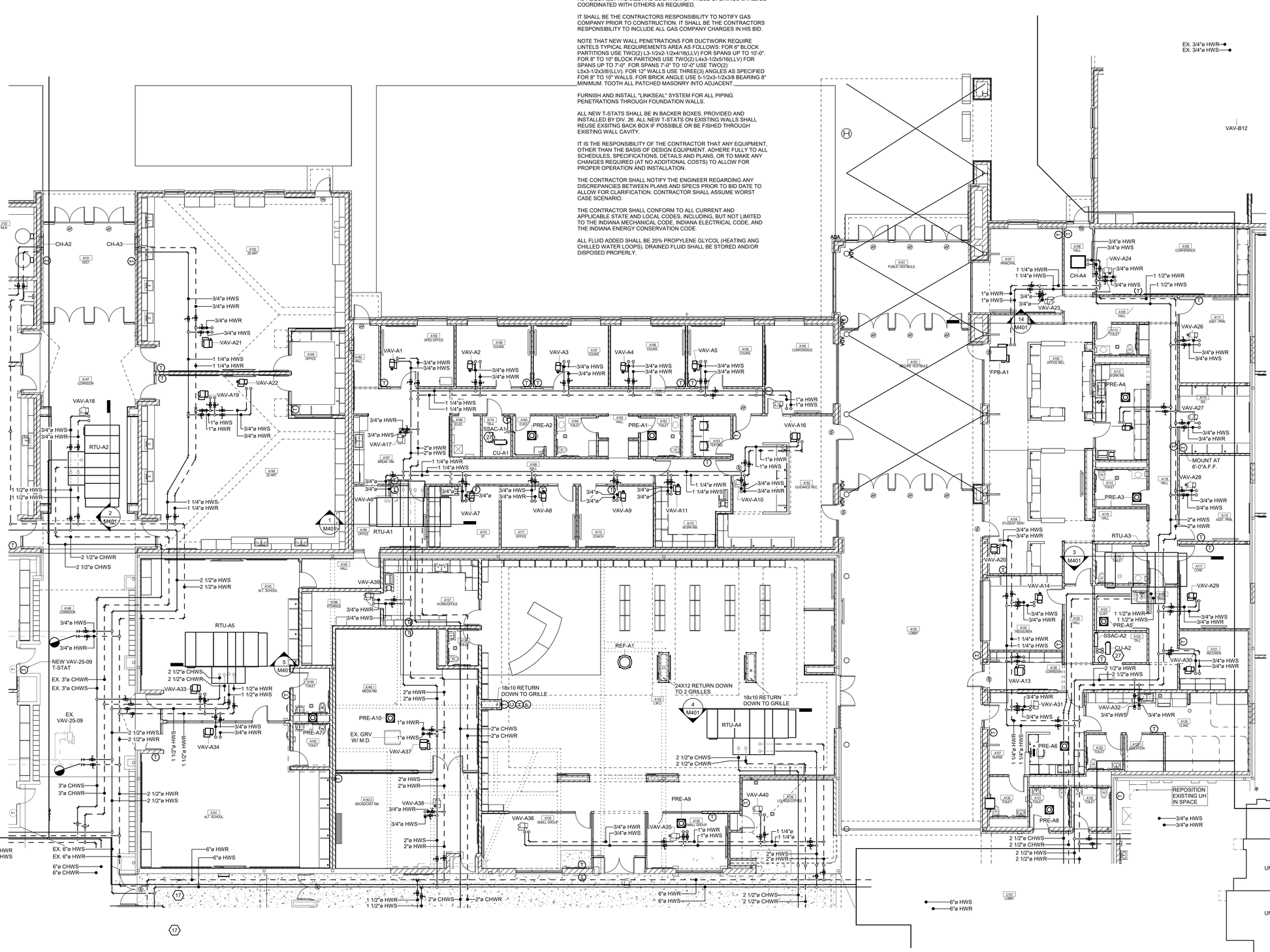

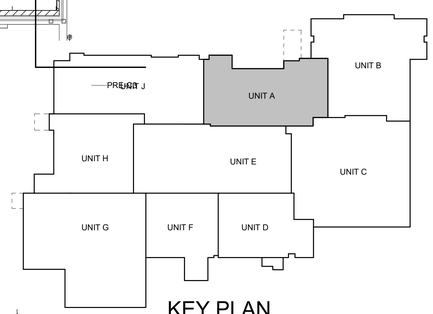

KEY PLAN

UNIT-A MECHANICAL PIPING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-A MECHANICAL PIPING PLAN
SHEET:	M301
COMM #:	2265

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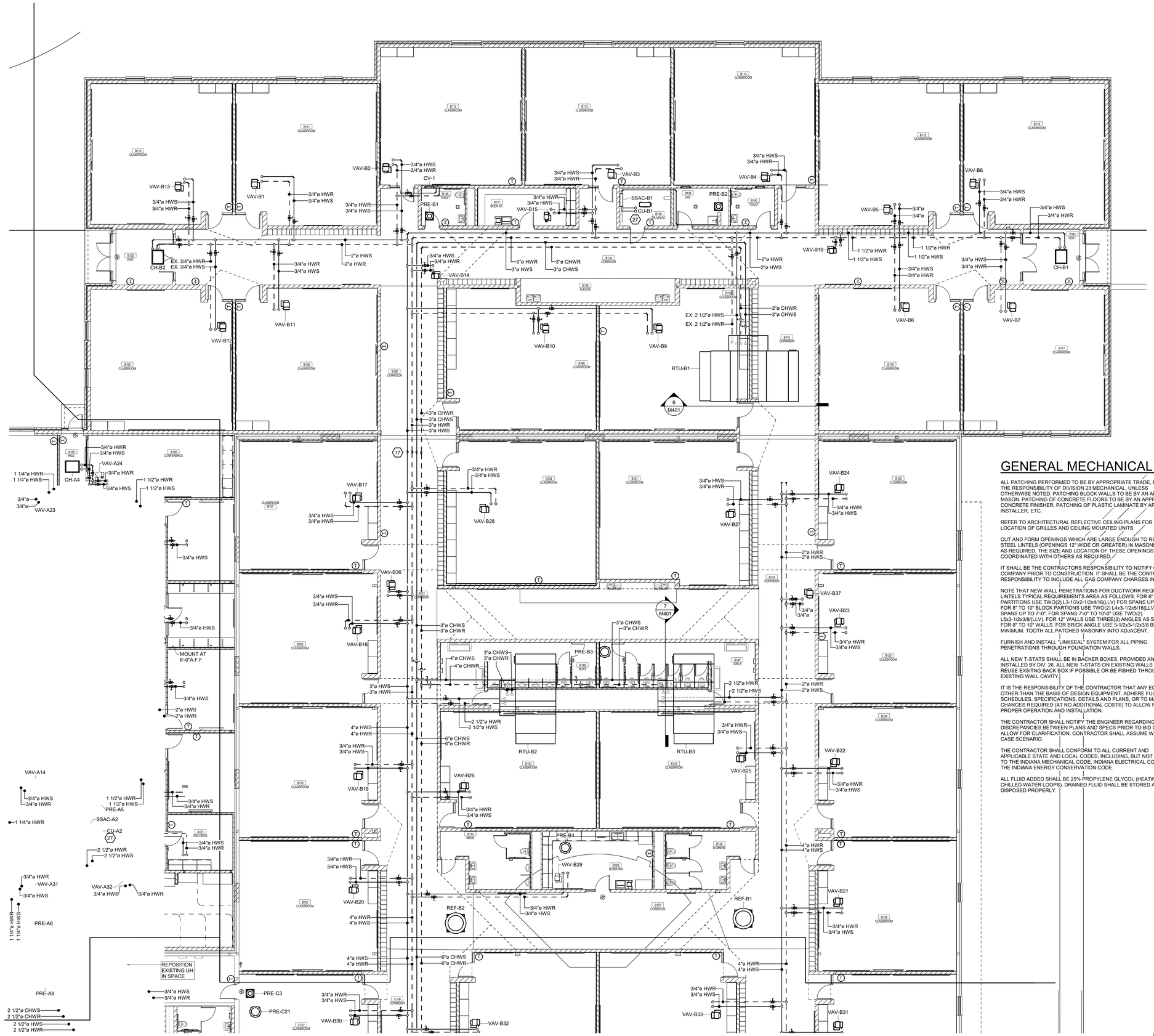

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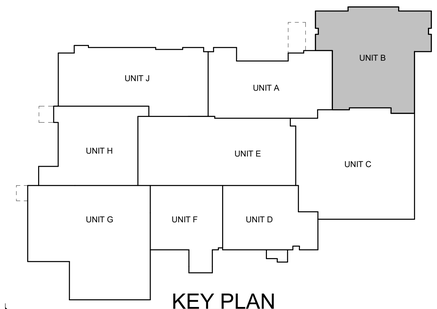

KEY PLAN

UNIT-B MECHANICAL PIPING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-B MECHANICAL PIPING PLAN

SHEET: **M302**

COMM #: 2265

1/16/2024 1:33:12 PM

PROJECT NOTES

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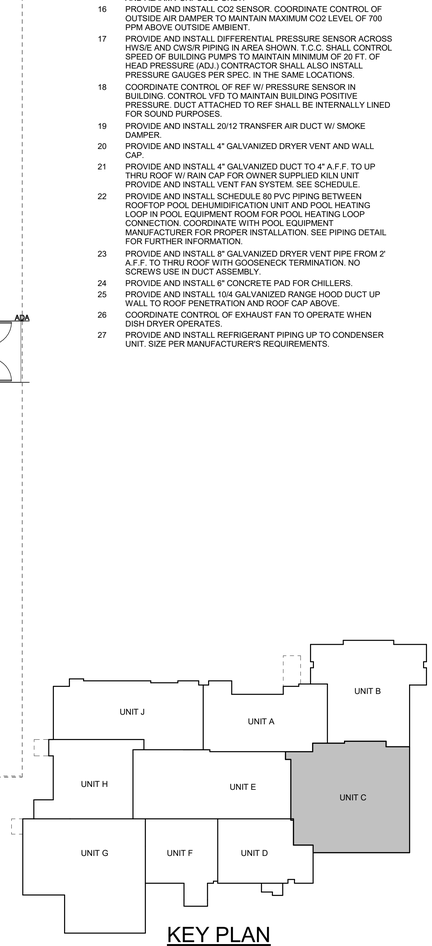

KEY PLAN

UNIT-C MECHANICAL PIPING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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COMM #:	2265

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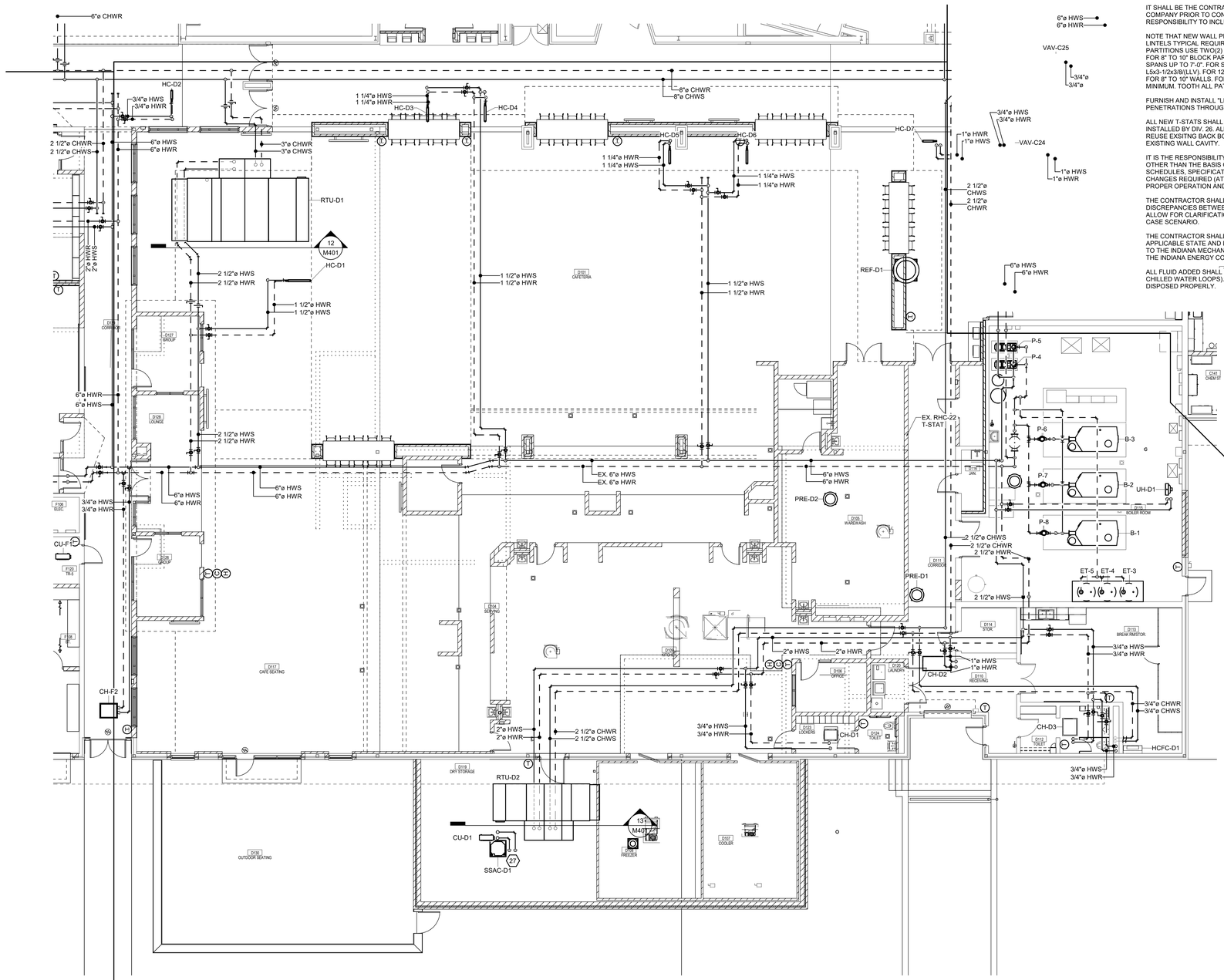

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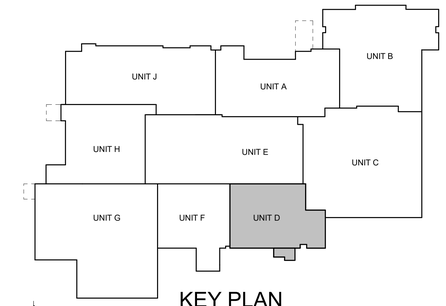

KEY PLAN

UNIT-D MECHANICAL PIPING PLAN

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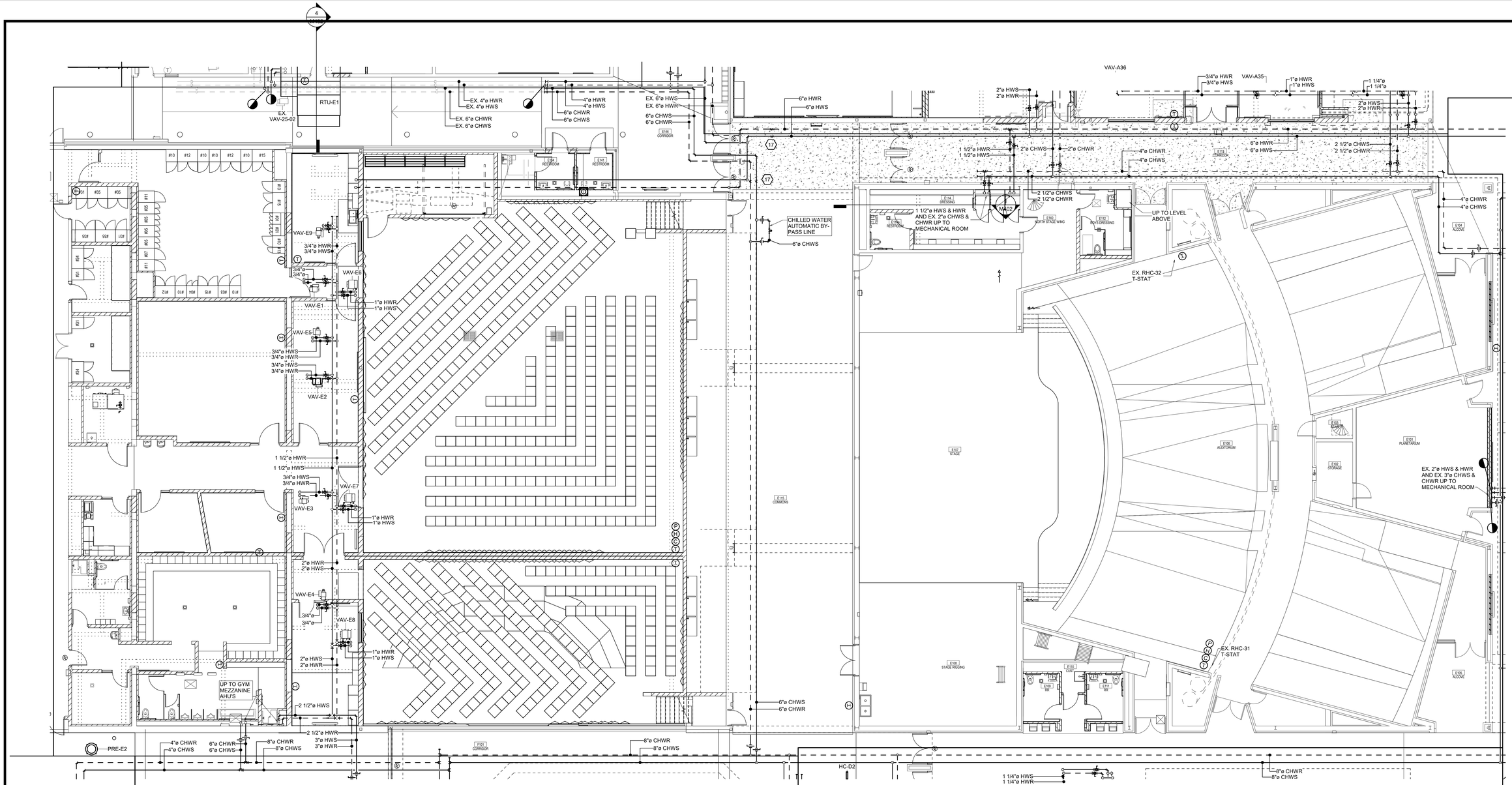

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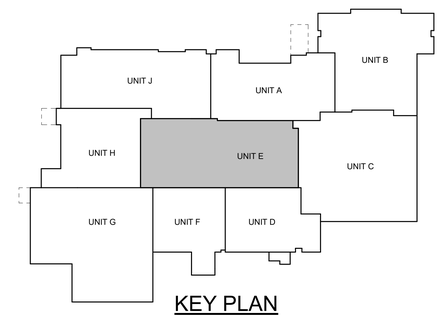

KEY PLAN

UNIT-E MECHANICAL PIPING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-E MECHANICAL PIPING PLAN
SHEET:	M305
COMM #:	2265

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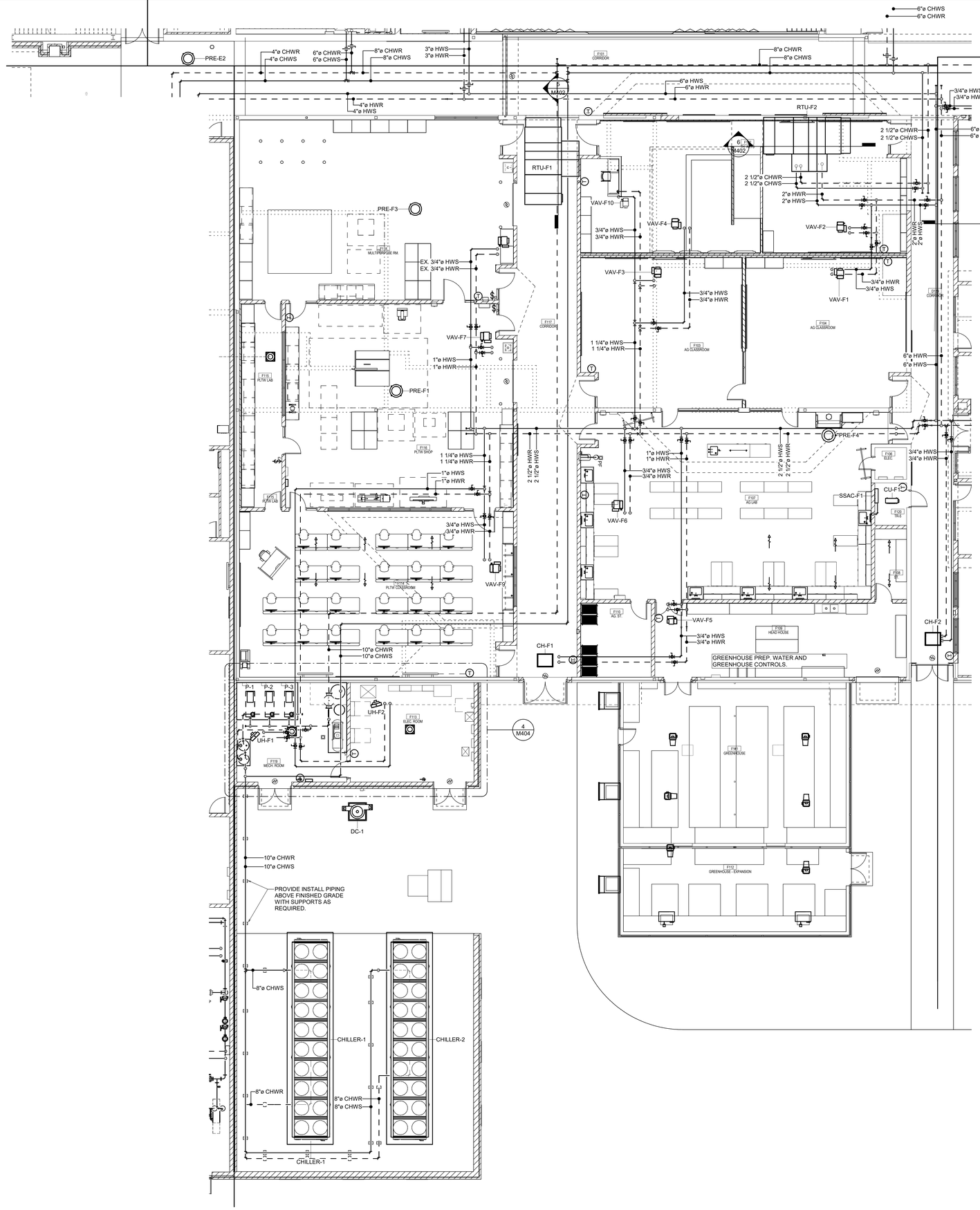

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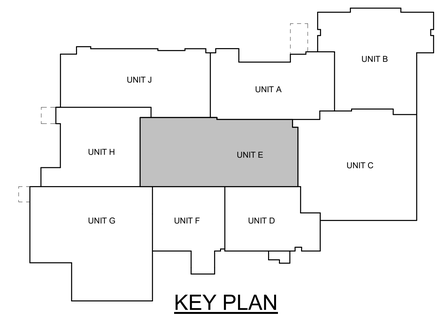

KEY PLAN

UNIT-F MECHANICAL PIPING PLAN

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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
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INDICATES REVISION AND DATE	
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-F MECHANICAL PIPING PLAN
SHEET:	M306
COMM #:	2265

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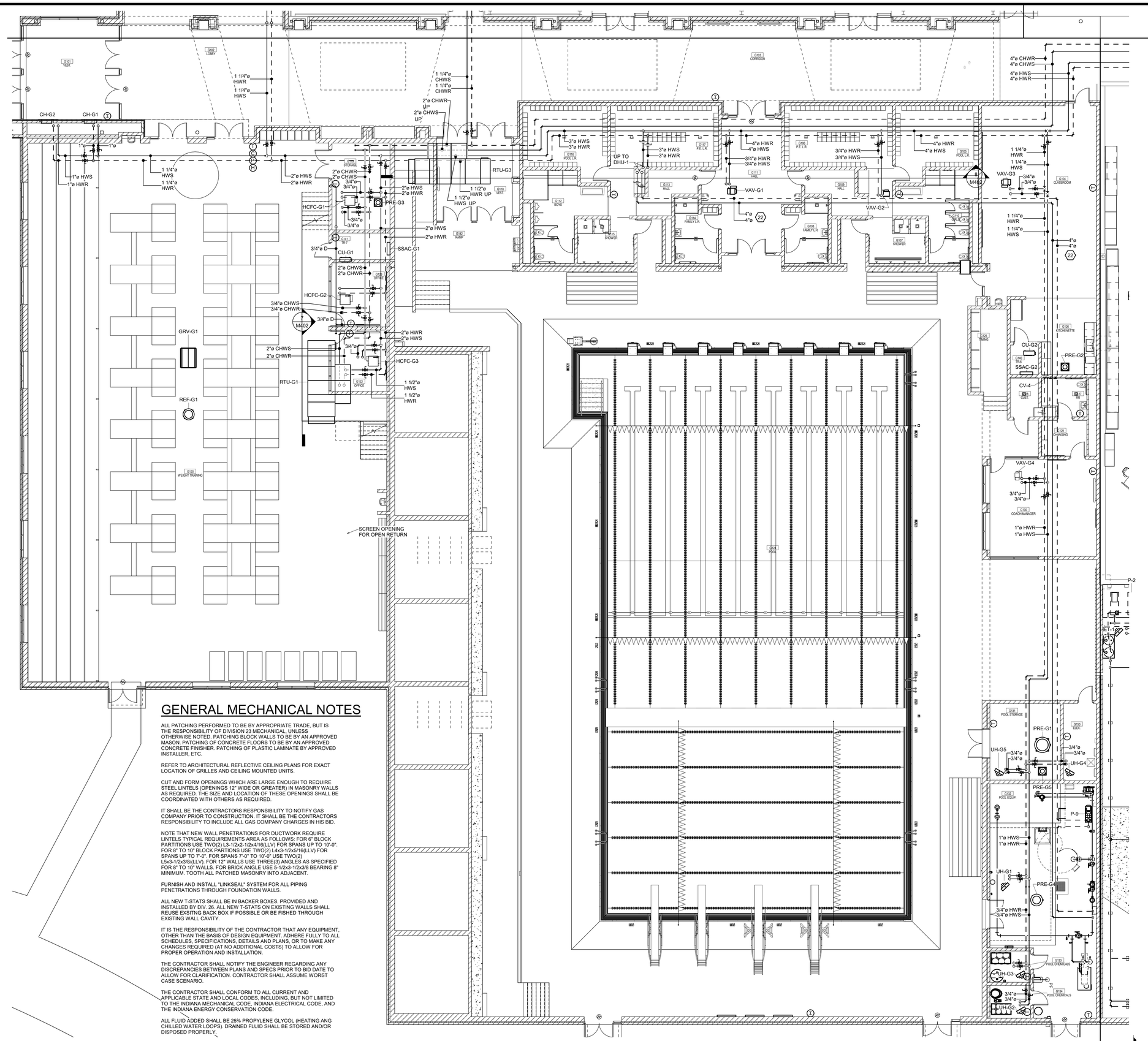

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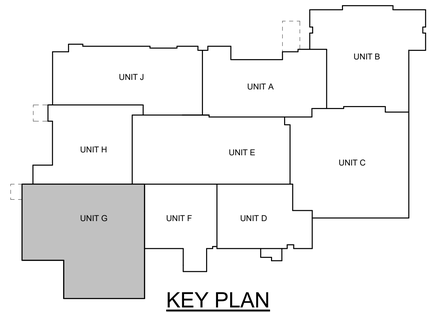

KEY PLAN

UNIT-G MECHANICAL PIPING PLAN

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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

⚠	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-G MECHANICAL PIPING PLAN
SHEET:	M307
COMM #:	2265

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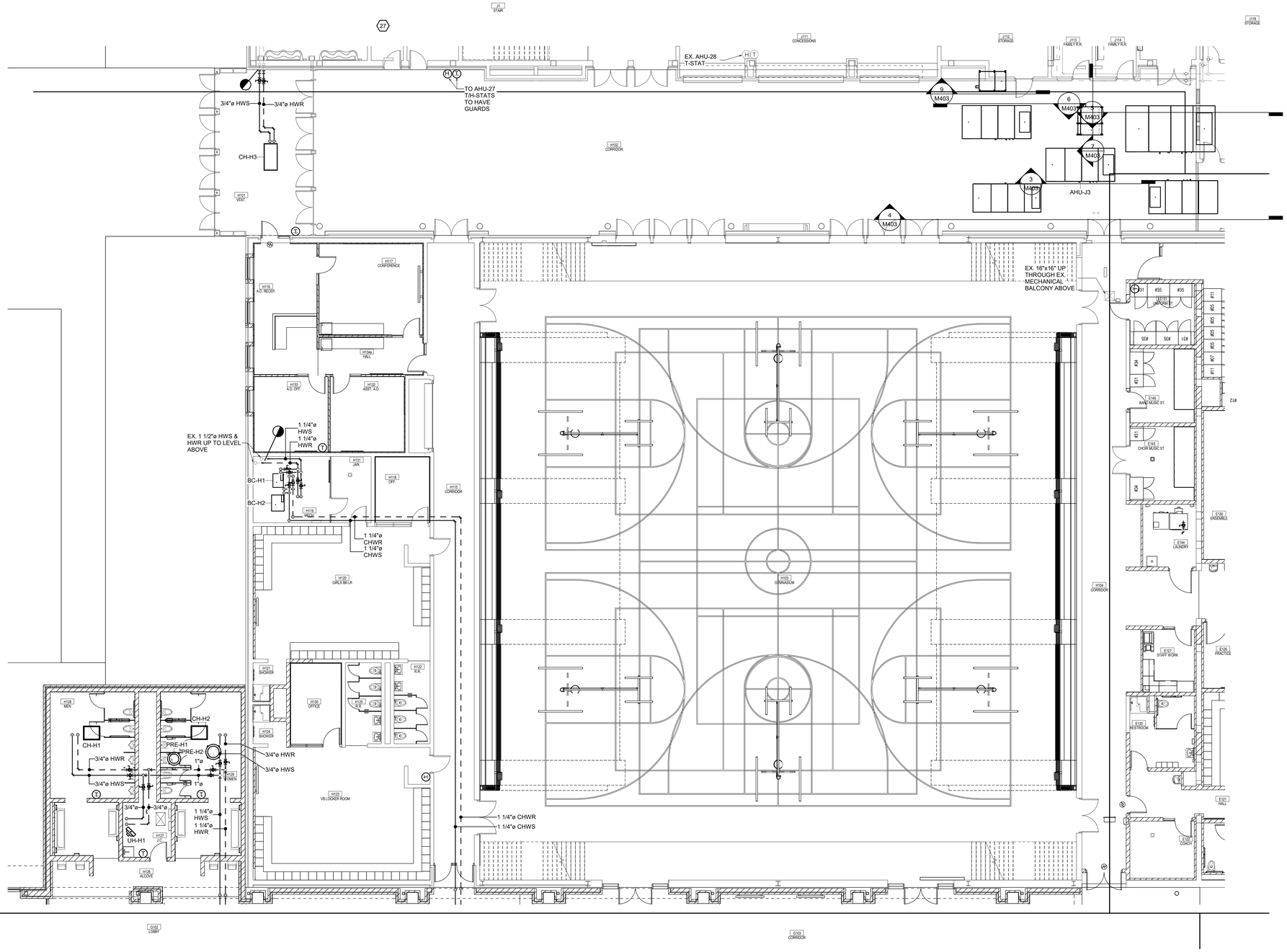

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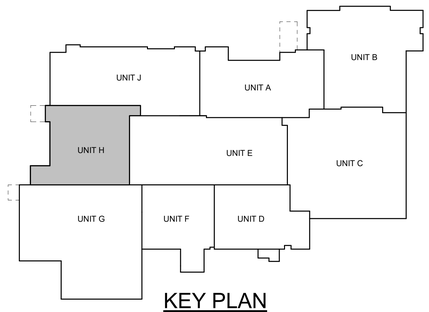

KEY PLAN

N

UNIT-H MECHANICAL PIPING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

⬡ INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H MECHANICAL PIPING PLAN

SHEET: **M308**

COMM #: 2265

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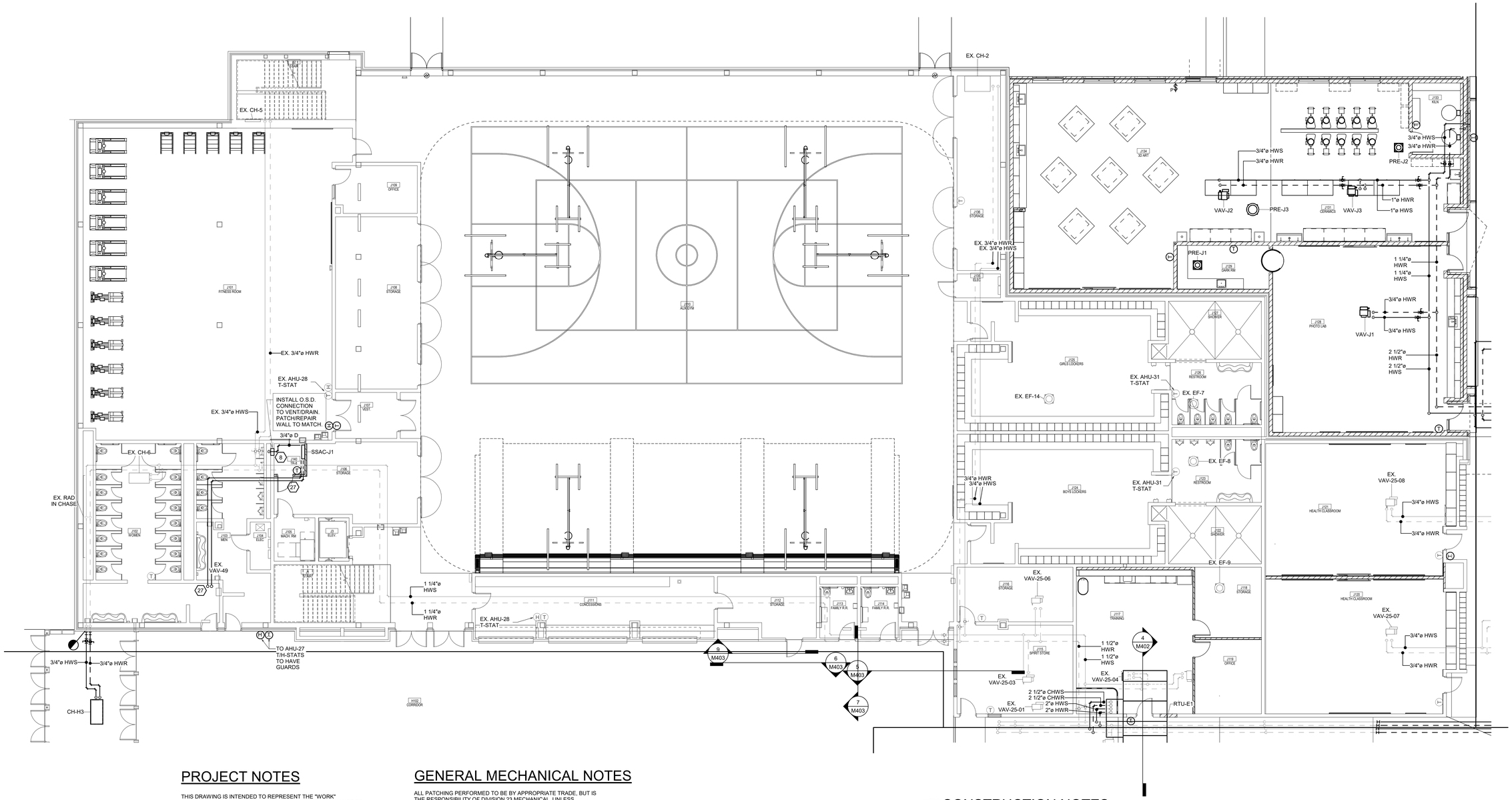

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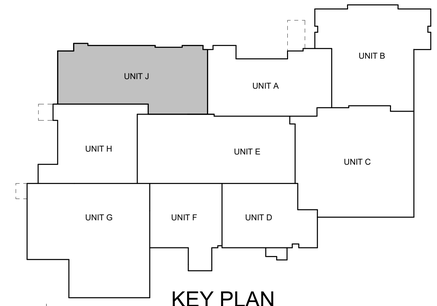

KEY PLAN

UNIT-J MECHANICAL PIPING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
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⚠	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J MECHANICAL PIPING PLAN
SHEET:	M309
COMM #:	2265

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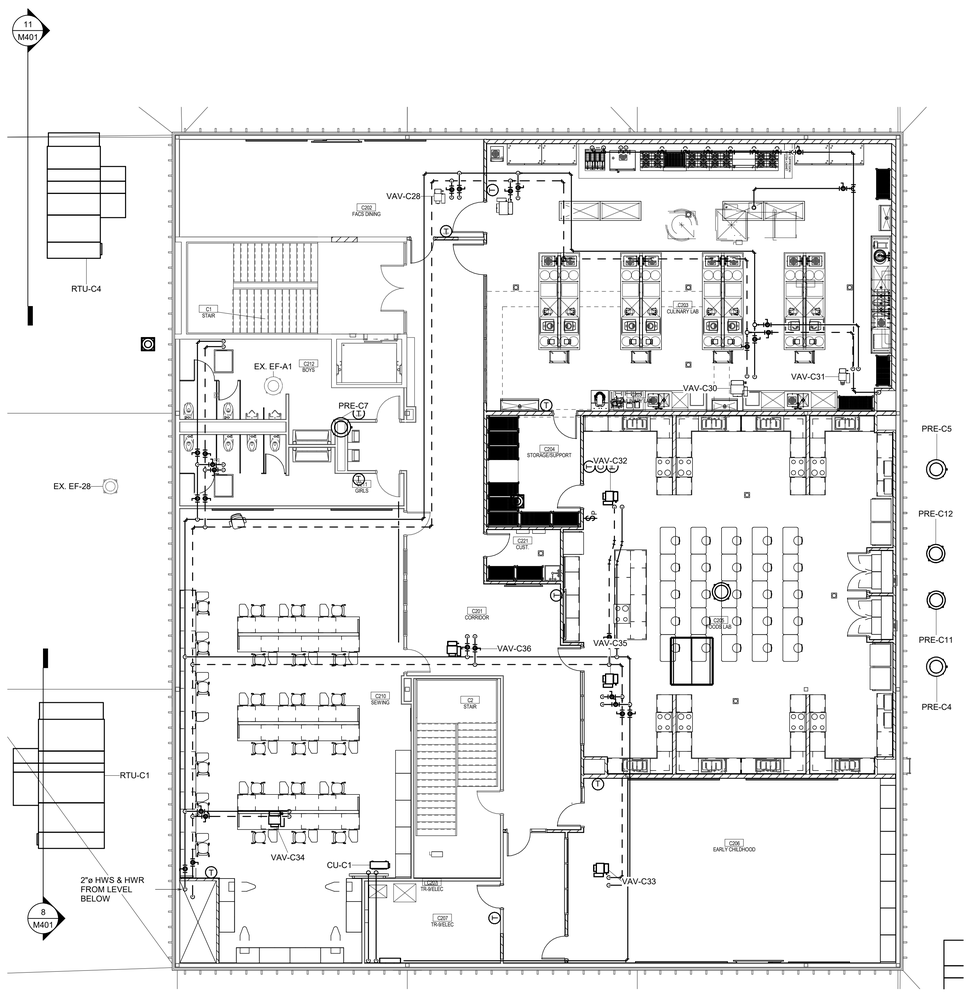

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10. PROVIDE AND INSTALL 6" DIAMETER DUCT (OR SPECIFIED SIZE) UP TO OAI BREIDERT CAP AS SHOWN. PROVIDE AND INSTALL MOTORIZED DAMPERS. TAB TO SET MINIMUM O/A POSITION.
11. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH T-STAT. FAN SHALL RUN WHEN TEMPERATURE IN ROOM IS ABOVE 80 DEG. (ADJ.)
12. COORDINATE CONTROL OF GRV WITH PRESSURE SENSOR IN BUILDING. CONTROL GRV TO MAINTAIN POSITIVE PRESSURE. DUCT ATTACHED TO GRV SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.
13. INSTALL MANUFACTURE PROVIDED REMOTE T-STAT. T.C.C. TO PROVIDE AND INSTALL A SECOND T-STAT FOR MONITORING AND ALARM PURPOSES.
14. COORDINATE CONTROL OF EXHAUST FAN WITH PILOTED SWITCH BY DIV. 26.
15. PROVIDE HUMIDISTAT AT LOCATION SHOWN FOR MONITORING AND ALARM PURPOSES ONLY.
16. PROVIDE AND INSTALL CO2 SENSOR. COORDINATE CONTROL OF OUTSIDE AIR DAMPER TO MAINTAIN MAXIMUM CO2 LEVEL OF 700 PPM ABOVE OUTSIDE AMBIENT.
17. PROVIDE AND INSTALL DIFFERENTIAL PRESSURE SENSOR ACROSS HW/SE AND CW/S/R PIPING IN AREA SHOWN. T.C.C. SHALL CONTROL SPEED OF BUILDING PUMPS TO MAINTAIN MINIMUM OF 20 FT. OF HEAD PRESSURE (ADJ.) CONTRACTOR SHALL ALSO INSTALL PRESSURE GAUGES PER SPEC. IN THE SAME LOCATIONS.
18. COORDINATE CONTROL OF REF W/ PRESSURE SENSOR IN BUILDING. CONTROL VFD TO MAINTAIN BUILDING POSITIVE PRESSURE. DUCT ATTACHED TO REF SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.
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20. PROVIDE AND INSTALL 4" GALVANIZED DRYER VENT AND WALL CAP.
21. PROVIDE AND INSTALL 4" GALVANIZED DUCT TO 4" A.F.F. TO UP THRU ROOF W/ RAIN CAP FOR OWNER SUPPLIED KILN UNIT PROVIDE AND INSTALL VENT FAN SYSTEM. SEE SCHEDULE.
22. PROVIDE AND INSTALL SCHEDULE 80 PVC PIPING BETWEEN ROOFTOP POOL DEHUMIDIFICATION UNIT AND POOL HEATING LOOP IN POOL EQUIPMENT ROOM FOR POOL HEATING LOOP CONNECTION. COORDINATE WITH POOL EQUIPMENT MANUFACTURER FOR PROPER INSTALLATION. SEE PIPING DETAIL FOR FURTHER INFORMATION.
23. PROVIDE AND INSTALL 8" GALVANIZED DRYER VENT PIPE FROM 2' A.F.F. TO THRU ROOF WITH GOOSENECK TERMINATION. NO SCREWS USE IN DUCT ASSEMBLY.
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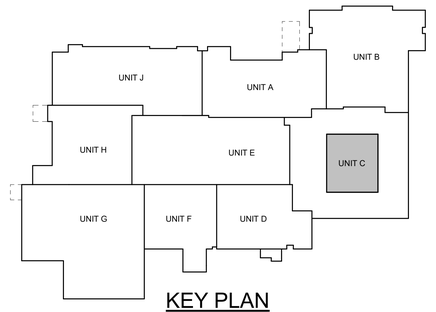

KEY PLAN

UNIT-C MECHANICAL PIPING PLAN - SECOND FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C MECHANICAL PIPING PLAN - SECOND FLOOR

SHEET: **M323**

COMM #: 2265

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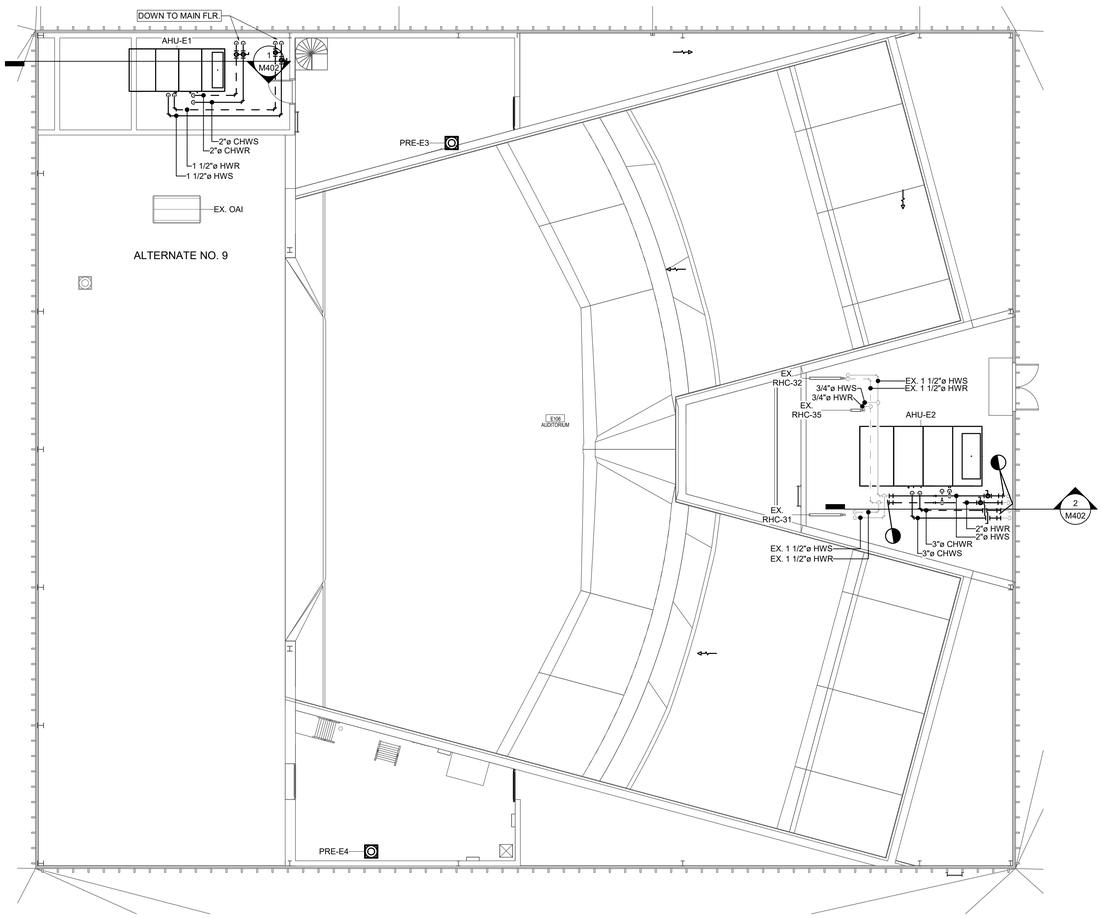

PROJECT NOTES

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DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE. BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

ALL NEW T-STATS SHALL BE IN BACKER BOXES. PROVIDED AND INSTALLED BY DIV. 26. ALL NEW T-STATS ON EXISTING WALLS SHALL REUSE EXSITNG BACK BOX IF POSSIBLE OR BE FISHED THROUGH EXISTING WALL CAVITY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ANY EQUIPMENT, OTHER THAN THE BASIS OF DESIGN EQUIPMENT, ADHERE FULLY TO ALL SCHEDULES, SPECIFICATIONS, DETAILS AND PLANS, OR TO MAKE ANY CHANGES REQUIRED (AT NO ADDITIONAL COSTS) TO ALLOW FOR PROPER OPERATION AND INSTALLATION.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TRANSFER AIR DUCT TO AREA ABOVE ROOM CEILING. PROVIDE AND INSTALL DUCT LINING FOR ACOUSTICAL PURPOSES. PROVIDE AND INSTALL 24x24 RETURN GRILLE AND 24/12 DUCT.
2. PROVIDE AND INSTAL 4" CONCRETE EQUIPMENT PAD.
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5. COORDINATE CONTROL OF PRE/CEF WITH T.C.C. DEVICE SHALL BE ON WHEN BUILDING IS OCCUPIED AND OFF WHEN BUILDING IS UNOCCUPIED. COORDINATE WORK WITH OTHERS AS REQUIRED.
6. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH LIGHTS BY DIV. 26. FAN IS ON WHEN LIGHT IS ON AND OFF WHEN LIGHT IS OFF. FAN SHALL CONTINUE TO RUN FOR AN ADJUSTABLE TIME PERIOD AFTER LIGHT SWITCH IS OFF, USING E.C. INSTALLED RELAY.
7. PROVIDE AND INSTALL 1" (OR SPECIFIED SIZE) COPPER CONDENSATE DRAIN LINE TO OUTSIDE OF BUILDING WITH A 90 DEGREE ELBOW TURNED DOWN 4" AWAY FROM THE BUILDING 4" A.F.F.
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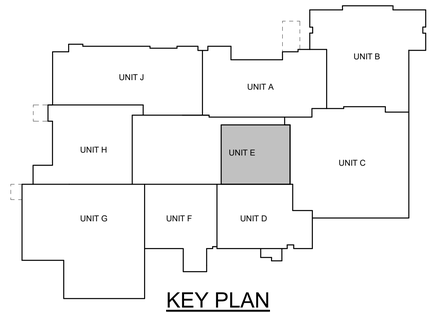

KEY PLAN

N

UNIT-E MECHANICAL PIPING PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E MECHANICAL PIPING PLAN - UPPER LEVEL

SHEET: **M325**

COMM #: 2265

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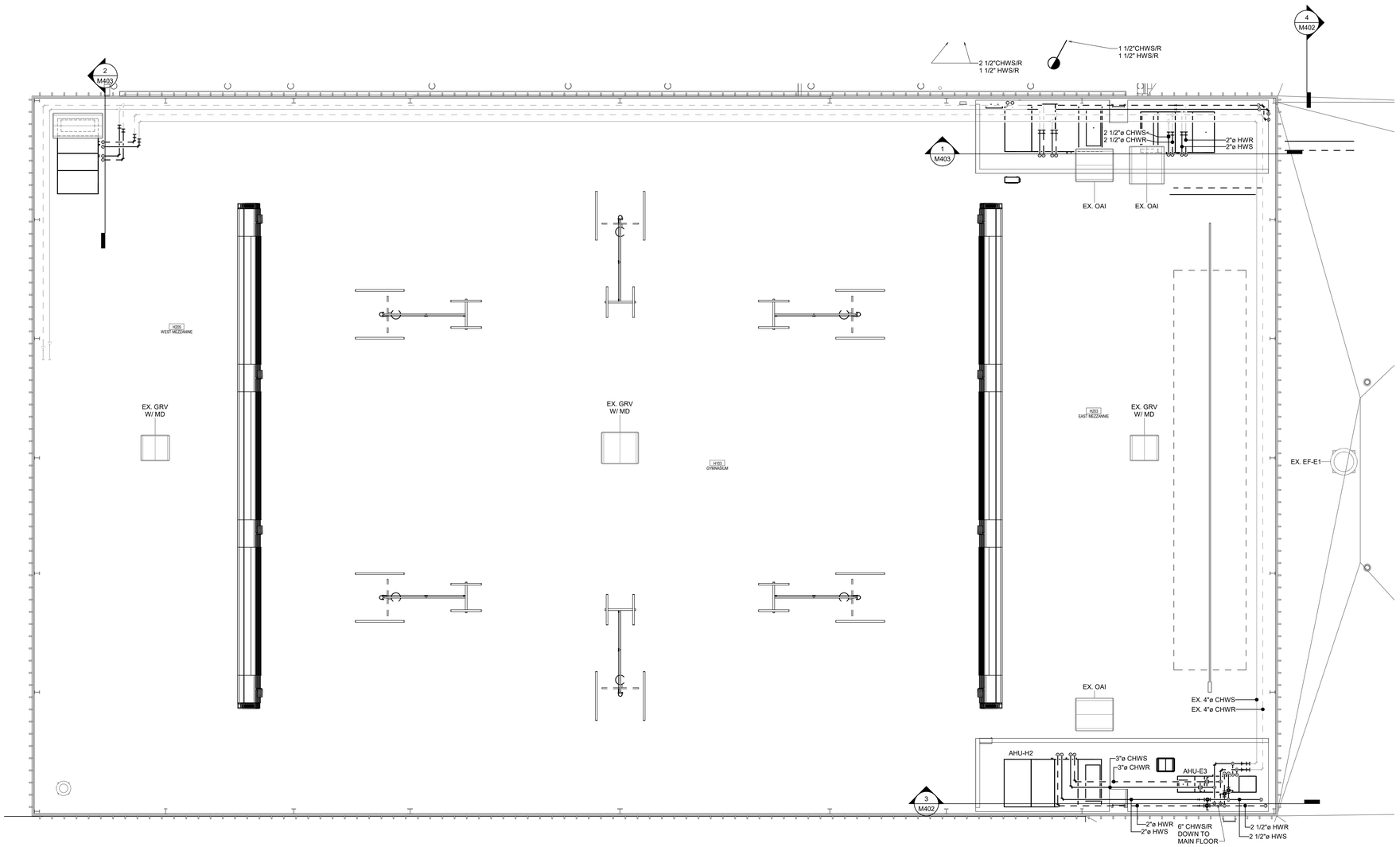

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NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

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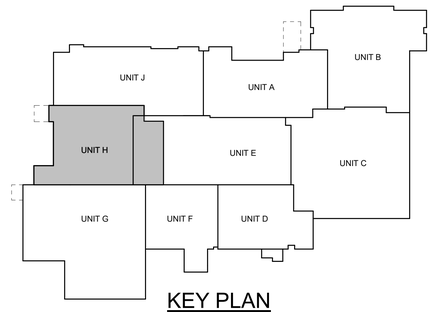

KEY PLAN

UNIT-H MECHANICAL PIPING PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H MECHANICAL PIPING PLAN - UPPER LEVEL

SHEET: **M328**

COMM #: 2265

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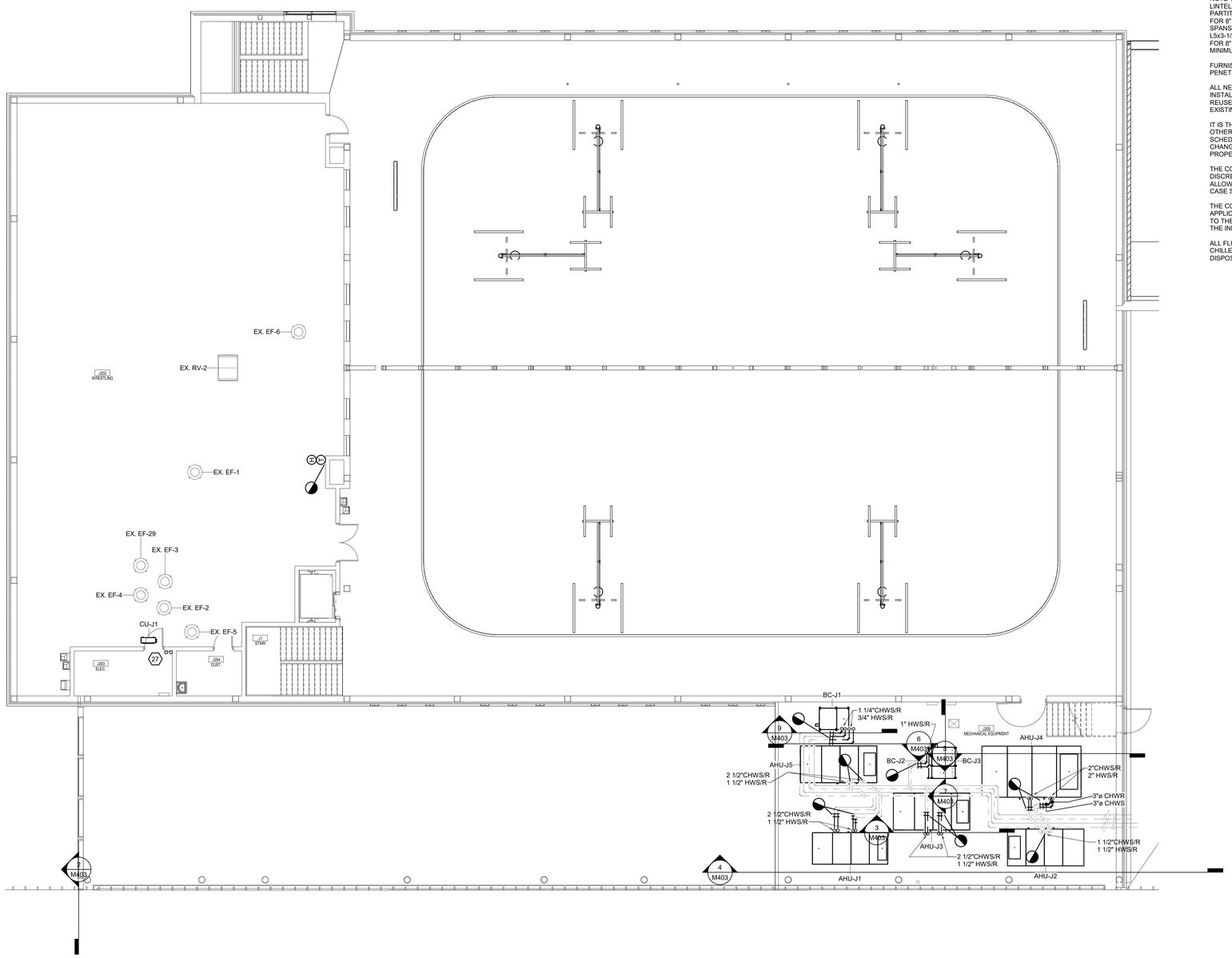


GENERAL MECHANICAL NOTES

ALL PATCHING PERFORMED TO BE BY APPROPRIATE TRADE, BUT IS THE RESPONSIBILITY OF DIVISION 23 MECHANICAL, UNLESS OTHERWISE NOTED. PATCHING BLOCK WALLS TO BE BY AN APPROVED MASON. PATCHING OF CONCRETE FLOORS TO BE BY AN APPROVED CONCRETE FINISHER. PATCHING OF PLASTIC LAMINATE BY APPROVED INSTALLER, ETC.

REFER TO ARCHITECTURAL REFLECTIVE CEILING PLANS FOR EXACT LOCATION OF GRILLES AND CEILING MOUNTED UNITS.

CUT AND FORM OPENINGS WHICH ARE LARGE ENOUGH TO REQUIRE STEEL LINTELS (OPENINGS 12" WIDE OR GREATER) IN MASONRY WALLS AS REQUIRED. THE SIZE AND LOCATION OF THESE OPENINGS SHALL BE COORDINATED WITH OTHERS AS REQUIRED.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY GAS COMPANY PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INCLUDE ALL GAS COMPANY CHARGES IN HIS BID.

NOTE THAT NEW WALL PENETRATIONS FOR DUCTWORK REQUIRE LINTELS TYPICAL REQUIREMENTS AREA AS FOLLOWS: FOR 6" BLOCK PARTITIONS USE TWO(2) L3-1/2x2-1/2x4/16(LLV) FOR SPANS UP TO 10'-0". FOR 8" TO 10" BLOCK PARTIONS USE TWO(2) L4x3-1/2x5/16(LLV) FOR SPANS UP TO 7'-0". FOR SPANS 7'-0" TO 10'-0" USE TWO(2) L5x3-1/2x3/8(LLV). FOR 12" WALLS USE THREE(3) ANGLES AS SPECIFIED FOR 8" TO 10" WALLS. FOR BRICK ANGLE USE 5-1/2x3-1/2x3/8 BEARING 8" MINIMUM. TOOTH ALL PATCHED MASONRY INTO ADJACENT.

FURNISH AND INSTALL "LINKSEAL" SYSTEM FOR ALL PIPING PENETRATIONS THROUGH FOUNDATION WALLS.

ALL NEW T-STATS SHALL BE IN BACKER BOXES. PROVIDED AND INSTALLED BY DIV. 26. ALL NEW T-STATS ON EXISTING WALLS SHALL REUSE EXSITNG BACK BOX IF POSSIBLE OR BE FISHED THROUGH EXISTING WALL CAVITY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT ANY EQUIPMENT, OTHER THAN THE BASIS OF DESIGN EQUIPMENT. ADHERE FULLY TO ALL SCHEDULES, SPECIFICATIONS, DETAILS AND PLANS, OR TO MAKE ANY CHANGES REQUIRED (AT NO ADDITIONAL COSTS) TO ALLOW FOR PROPER OPERATION AND INSTALLATION

THE CONTRACTOR SHALL NOTIFY THE ENGINEER REGARDING ANY DISCREPANCIES BETWEEN PLANS AND SPECS PRIOR TO BID DATE TO ALLOW FOR CLARIFICATION. CONTRACTOR SHALL ASSUME WORST CASE SCENARIO.

THE CONTRACTOR SHALL CONFORM TO ALL CURRENT AND APPLICABLE STATE AND LOCAL CODES, INCLUDING, BUT NOT LIMITED TO THE INDIANA MECHANICAL CODE, INDIANA ELECTRICAL CODE, AND THE INDIANA ENERGY CONSERVATION CODE.

ALL FLUID ADDED SHALL BE 25% PROPYLENE GLYCOL (HEATING ANG CHILLED WATER LOOPS). DRAINED FLUID SHALL BE STORED AND/OR DISPOSED PROPERLY.

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

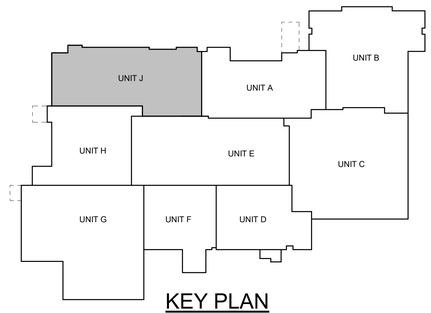
CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL TRANSFER AIR DUCT TO AREA ABOVE ROOM CEILING. PROVIDE AND INSTALL DUCT LINING FOR ACOUSTICAL PURPOSES. PROVIDE AND INSTALL 24x24 RETURN GRILLE AND 24/12 DUCT.
2. PROVIDE AND INSTAL 4" CONCRETE EQUIPMENT PAD.
3. PROVIDE AND INSTALL TRANSFER AIR DUCT TO AREA ABOVE ROOM CEILING. PROVIDE AND INSTALL DUCT LINING FOR ACOUSTICAL PURPOSES. PROVIDE AND INSTALL 12x12 RETURN GRILLE AND 12/6 DUCT.
4. PROVIDE AND INSTALL T-STAT, CONTROLLER AND CONTROL VALVE PAK ABOVE CEILING AND OR HIGH IN OPEN CEILING. MAKE CONTROL VALVE EASILY ACCESSIBLE FOR OWNER.
5. COORDINATE CONTROL OF PRE/CEF WITH T.C.C. DEVICE SHALL BE ON WHEN BUILDING IS OCCUPIED AND OFF WHEN BUILDING IS UNOCCUPIED. COORDINATE WORK WITH OTHERS AS REQUIRED.
6. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH LIGHTS BY DIV. 26. FAN IS ON WHEN LIGHT IS ON AND OFF WHEN LIGHT IS OFF. FAN SHALL CONTINUE TO RUN FOR AN ADJUSTABLE TIME PERIOD AFTER LIGHT SWITCH IS OFF, USING E.C. INSTALLED RELAY.
7. PROVIDE AND INSTALL 1" (OR SPECIFIED SIZE) COPPER CONDENSATE DRAIN LINE TO OUTSIDE OF BUILDING WITH A 90 DEGREE ELBOW TURNED DOWN 4" AWAY FROM THE BUILDING 4" A.F.F.
8. PROVIDE AND INSTALL 3/4" (OR SPECIFIED SIZE) COPPER CONDENSATE LINE TO OSD, BELOW-SINK OSD, OR SINK BASIN.
9. PROVIDE AN OPENING FOR RELIEF AIR TRANSFER BETWEEN ROOMS TO GRV/REF ABOVE FINISH CEILINGS. OPENING TO BE APPROXIMATELY 12/10 OR SPECIFIED SIZE.
10. PROVIDE AND INSTALL 6" DIAMETER DUCT (OR SPECIFIED SIZE) UP TO OAI BREIDERT CAP AS SHOWN. PROVIDE AND INSTALL MOTORIZED DAMPERS. TAB TO SET MINIMUM OA POSITION.
11. COORDINATE CONTROL OF EXHAUST FAN OR PRE WITH T-STAT. FAN SHALL RUN WHEN TEMPERATURE IN ROOM IS ABOVE 80 DEG. (ADJ.)
12. COORDINATE CONTROL OF GRV WITH PRESSURE SENSOR IN BUILDING. CONTROL GRV TO MAINTAIN POSITIVE PRESSURE. DUCT ATTACHED TO GRV SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.
13. INSTALL MANUFACTURE PROVIDED REMOTE T-STAT. T.C.C. TO PROVIDE AND INSTALL A SECOND T-STAT FOR MONITORING AND ALARM PURPOSES.
14. COORDINATE CONTROL OF EXHAUST FAN WITH PILOTED SWITCH BY DIV. 26.
15. PROVIDE HUMIDISTAT AT LOCATION SHOWN FOR MONITORING AND ALARM PURPOSES ONLY.
16. PROVIDE AND INSTALL CO2 SENSOR. COORDINATE CONTROL OF OUTSIDE AIR DAMPER TO MAINTAIN MAXIMUM CO2 LEVEL OF 700 PPM ABOVE OUTSIDE AMBIENT.
17. PROVIDE AND INSTALL DIFFERENTIAL PRESSURE SENSOR ACROSS HWS/E AND CWS/R PIPING IN AREA SHOWN. T.C.C. SHALL CONTROL SPEED OF BUILDING PUMPS TO MAINTAIN MINIMUM OF 20 FT. OF HEAD PRESSURE (ADJ.) CONTRACTOR SHALL ALSO INSTALL PRESSURE GAUGES PER SPEC. IN THE SAME LOCATIONS.
18. COORDINATE CONTROL OF REF W/ PRESSURE SENSOR IN BUILDING. CONTROL VFD TO MAINTAIN BUILDING POSITIVE PRESSURE. DUCT ATTACHED TO REF SHALL BE INTERNALLY LINED FOR SOUND PURPOSES.
19. PROVIDE AND INSTALL 20/12 TRANSFER AIR DUCT W/ SMOKE DAMPER.
20. PROVIDE AND INSTALL 4" GALVANIZED DRYER VENT AND WALL CAP.
21. PROVIDE AND INSTALL 4" GALVANIZED DUCT TO 4" A.F.F. TO UP THRU ROOF W/ RAIN CAP FOR OWNER SUPPLIED KILN UNIT PROVIDE AND INSTALL VENT FAN SYSTEM. SEE SCHEDULE.
22. PROVIDE AND INSTALL SCHEDULE 80 PVC PIPING BETWEEN ROOFTOP POOL DEHUMIDIFICATION UNIT AND POOL HEATING LOOP IN POOL EQUIPMENT ROOM FOR POOL HEATING LOOP CONNECTION. COORDINATE WITH POOL EQUIPMENT MANUFACTURER FOR PROPER INSTALLATION. SEE PIPING DETAIL FOR FURTHER INFORMATION.
23. PROVIDE AND INSTALL 8" GALVANIZED DRYER VENT PIPE FROM 2' A.F.F. TO THRU ROOF WITH GOOSENECK TERMINATION. NO SCREWS USE IN DUCT ASSEMBLY.
24. PROVIDE AND INSTALL 6" CONCRETE PAD FOR CHILLERS.
25. PROVIDE AND INSTALL 10/4 GALVANIZED RANGE HOOD DUCT UP WALL TO ROOF PENETRATION AND ROOF CAP ABOVE.
26. COORDINATE CONTROL OF EXHAUST FAN TO OPERATE WHEN DISH DRYER OPERATES.
27. PROVIDE AND INSTALL REFRIGERANT PIPING UP TO CONDENSER UNIT. SIZE PER MANUFACTURER'S REQUIREMENTS.



KEY PLAN

UNIT-J MECHANICAL PIPING PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

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DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J MECHANICAL PIPING PLAN - UPPER LEVEL

SHEET: **M329**

COMM #: 2265

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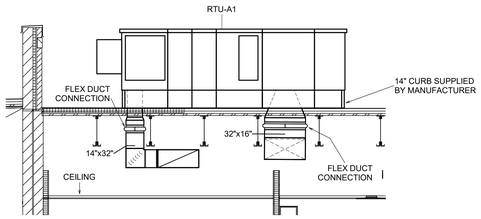

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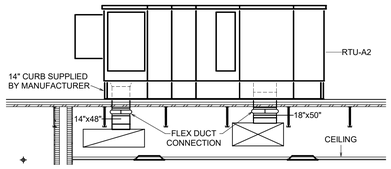

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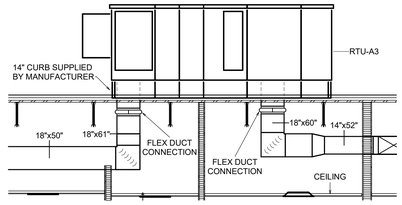

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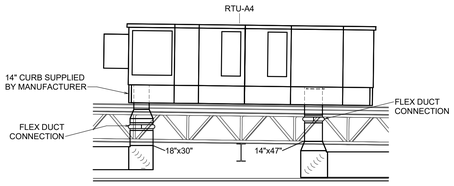

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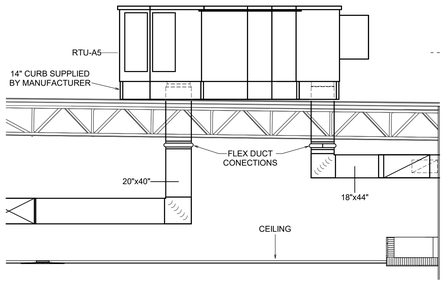

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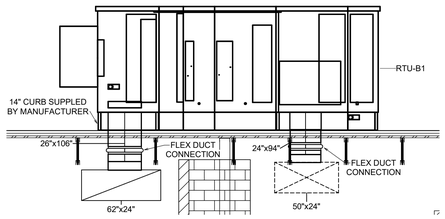

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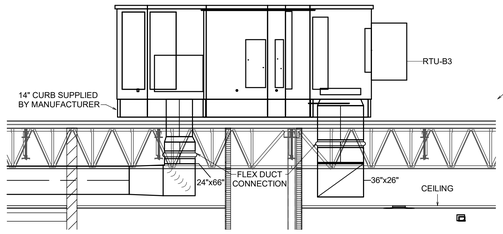

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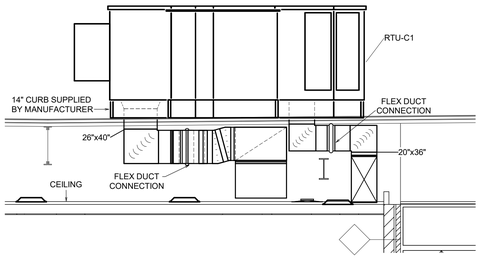

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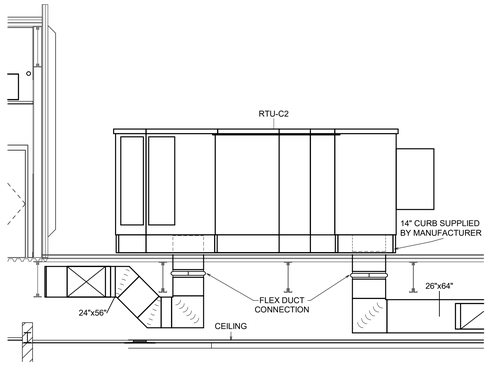

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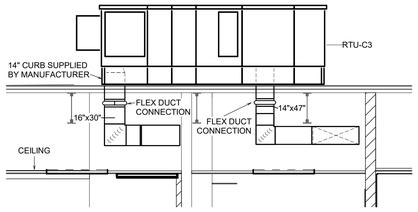

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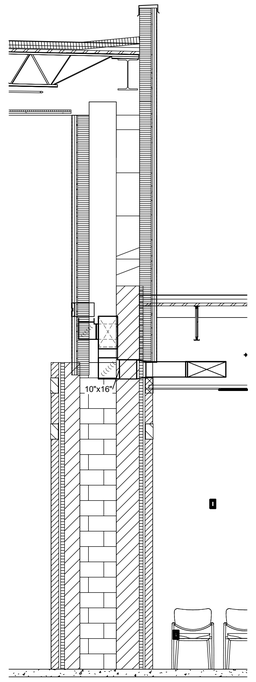

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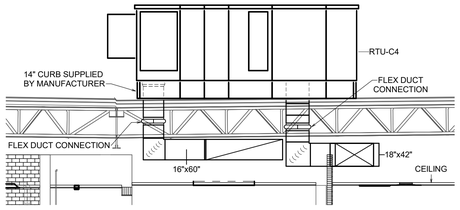

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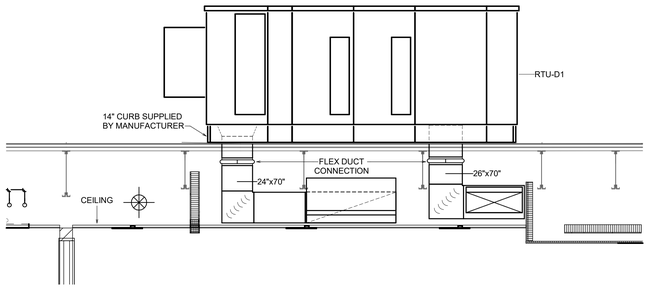

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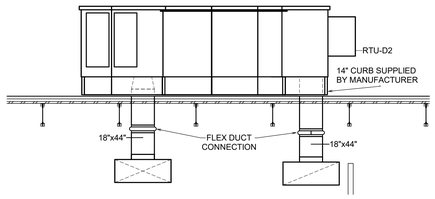

13 M401 RTU-D2 SECTION

SCALE : 1/4" = 1'-0"

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1	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	MECHANICAL SECTIONS
SHEET:	M401
COMM #:	2265

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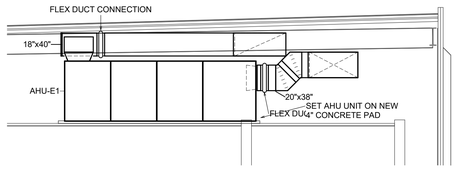

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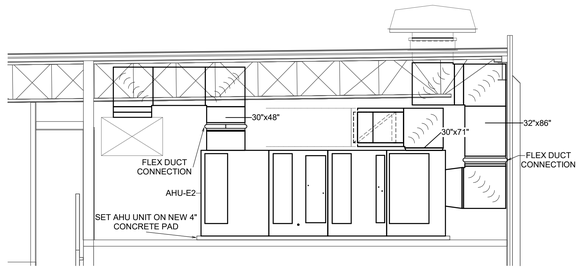

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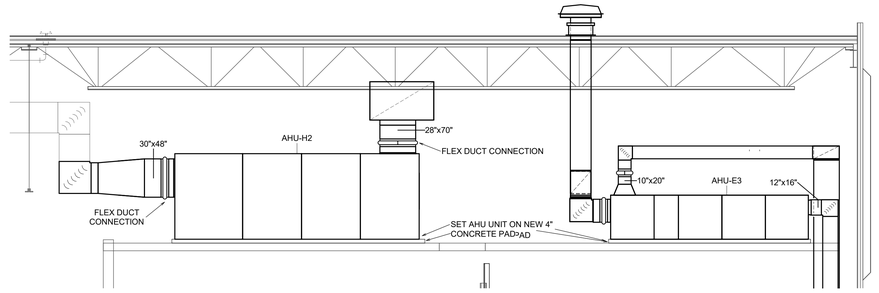

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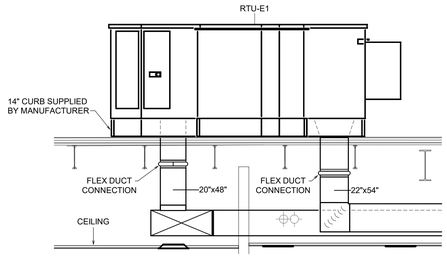

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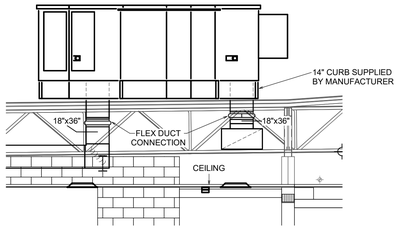

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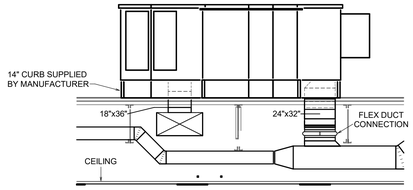

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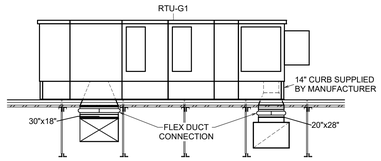

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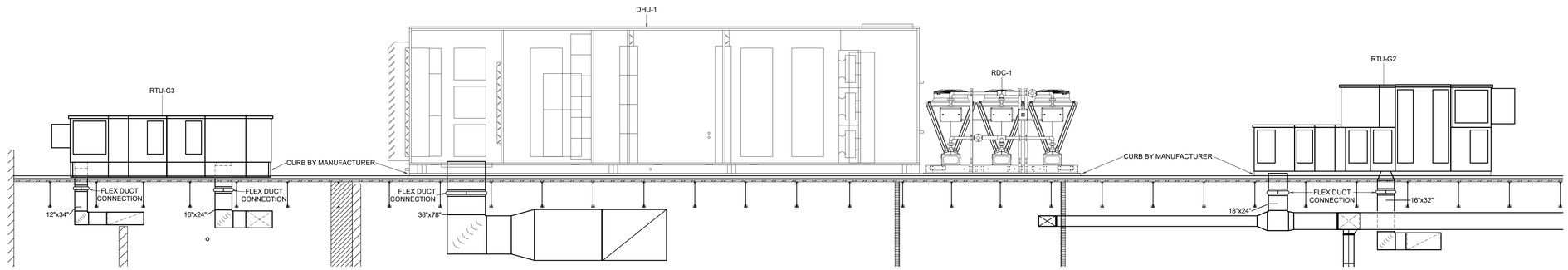

8 M402 POOL UNIT SECTION (INCLUDES RTU-G2 AND RTU G3 SECTIONS)
SCALE : 1/4" = 1'-0"

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INDICATES REVISION AND DATE

DRAWN BY: HUSAR
DATE: JANUARY 16, 2024
SHEET NAME: MECHANICAL SECTIONS

SHEET: **M402**
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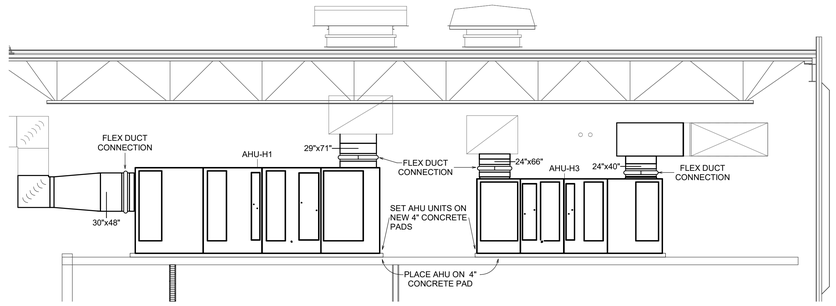

1 M403 AHU-H1 AND AHU-H3 SECTION
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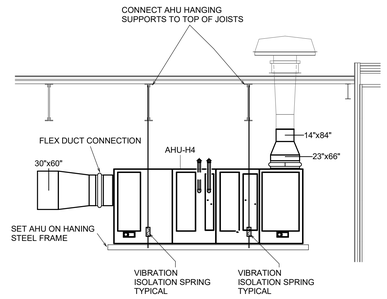

2 M403 AHU-H4 SECTION
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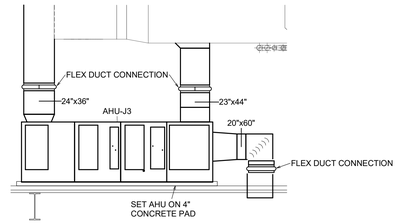

3 M403 AHU-J3 SECTION
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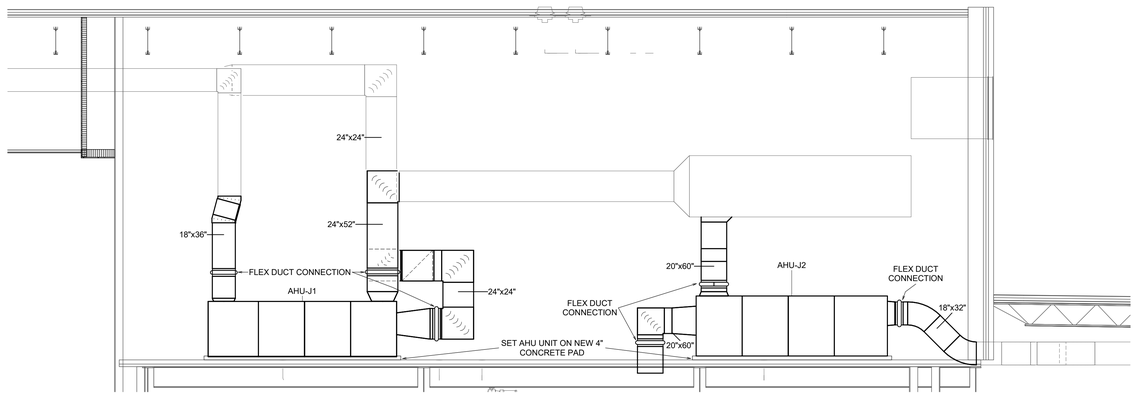

4 M403 AHU-J1 AND AHU-J2 SECTION
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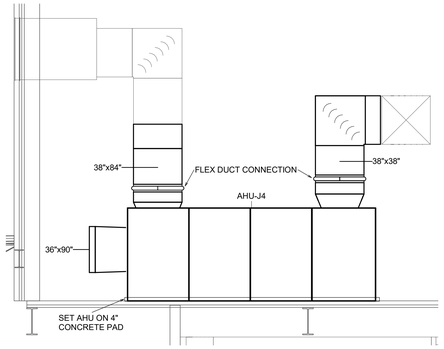

5 M403 AHU-J4 SECTION
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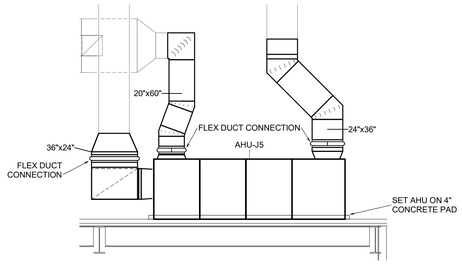

6 M403 AHU-J5 SECTION
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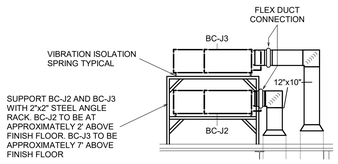
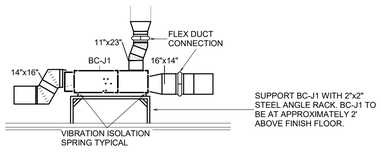


7 M403 BLOWER COILS J2 AND J3 SECTION
SCALE : 1/4" = 1'-0"



9 M403 BLOWER COIL J1 SECTION
SCALE : 1/4" = 1'-0"

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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR
DATE: JANUARY 16, 2024
SHEET NAME: MECHANICAL SECTIONS

SHEET: **M403**
COMM #: 2265

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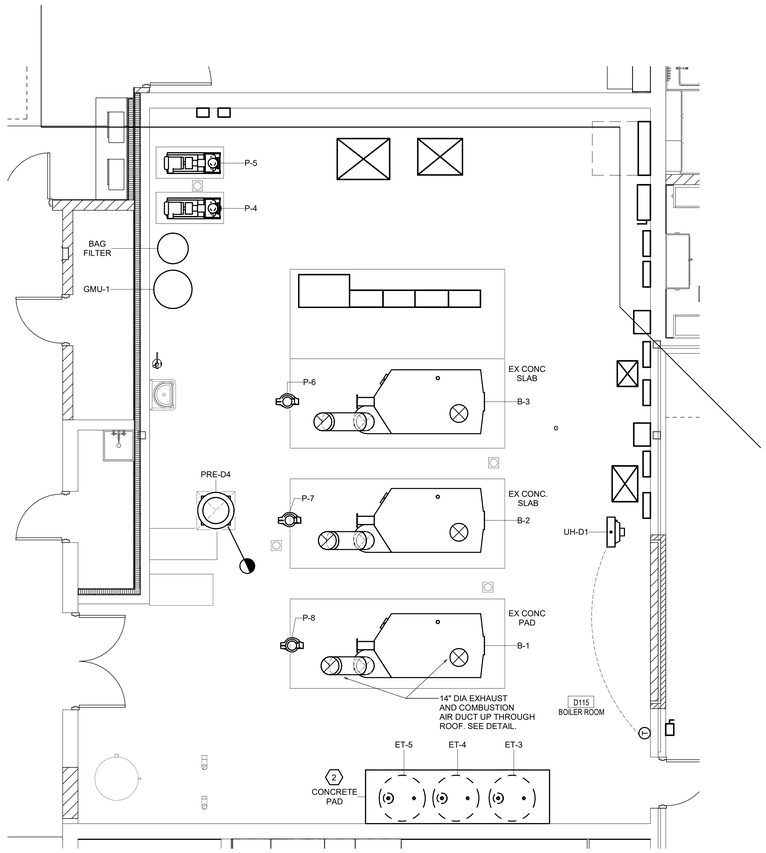

3 M404 ENLARGED BOILER ROOM MECHANICAL

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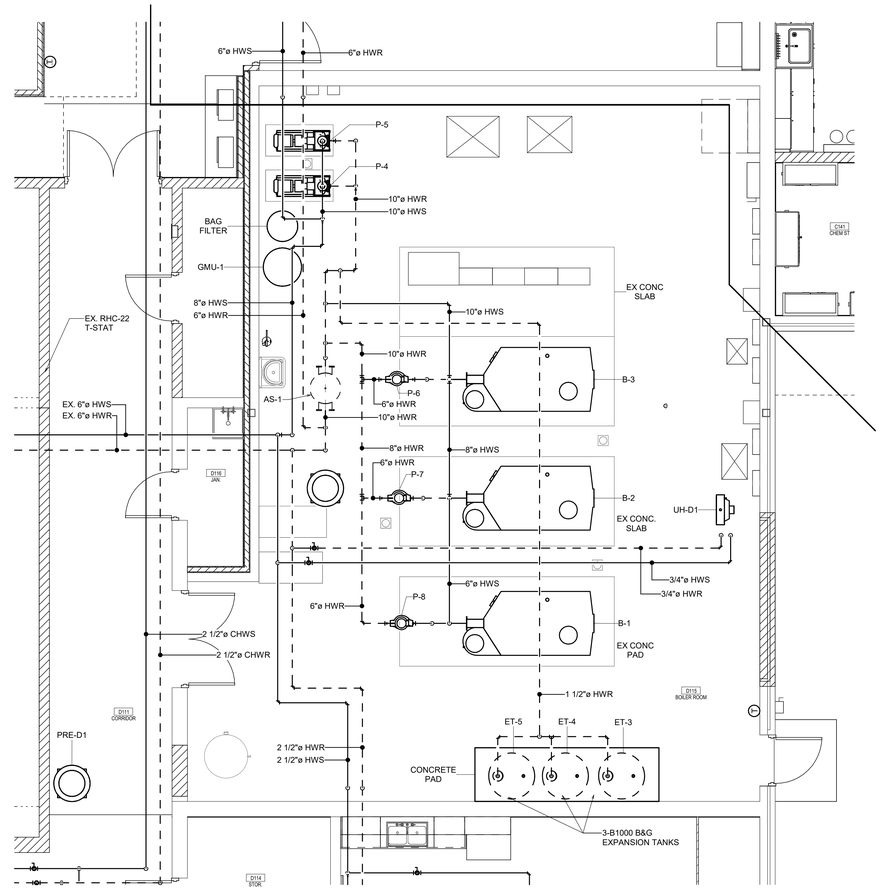
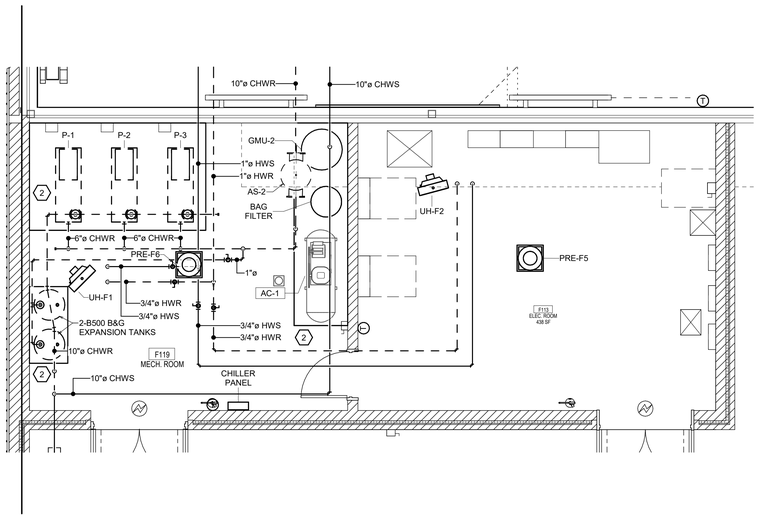


1 M404 ENLARGED BOILER ROOM PIPING PLAN

SCALE : 1/4" = 1'-0"



4 M404 ENLARGED UNIT-F MECHANICAL ROOM PLAN

SCALE : 1/4" = 1'-0"

GLYCOL MAKE-UP UNIT (GMU)

SPECIFICATION:

1. FURNISH AND INSTALL AS SHOWN ON THE PLANS AND SPECIFICATIONS A PACKAGED, AUTOMATIC GLYCOL SOLUTION MAKE-UP UNIT MODEL GMU AS MANUFACTURED BY BELL AND GOSSETT OR APPROVED EQUAL. THE PACKAGE SHALL CONSIST OF A BASE, POLYETHYLENE RESEVOIR WITH REMOVABLE LID, VISIBLE SOLUTION LEVEL SCALE IN GALLONS AND LITERS, Y-STRAINER, ISOLATION VALVE, PUMP, OPEN-DRIP-PROOF MOTOR, PUMP ISOLATION, CHECK VALVE, EXPANSION TANK, DISCHARGE PRESSURE GAGE, MOTOR CONTACTOR AND CONTROL CIRCUIT IN A NEMA 1 PANEL AND NECESSARY INTERCONNECTING PIPING. GREEN LIGHT SHALL INDICATE POWER SUPPLIED TO UNIT. PUMP SHALL START BASED ON FALLING PRESSURE. SYSTEM SHALL REQUIRE A 115/60/1 SINGLE POWER CONNECTION AND A 3/4" NPT SYSTEM PIPING CONNECTION. GMU SHALL PROVIDE (10,5) GPM AND MAINTAIN A FILL PRESSURE OF (30,60) PSI. UNIT INCLUDES LOW LEVEL CUTOUT, WITH RED INDICATOR LIGHT AND 110V CONTACT FOR ALARM INDICATION, TO STOP THE PUMP DURING LOW LEVEL CONDITION. CONTRACTOR SHALL FURNISH APPLICATION SPECIFIC PRESSURE REDUCING VALVE BETWEEN GMU AND CONNECTION TO SYSTEM PIPING.

2. PUMP: MODEL 3530, 1x1 1/4x6 10GPM@70' TDH 1/2HP, 3600RPM

3. TANK: ROTONICS, MODEL CT-55

4. DIAPHRAGM TANK: PT-5

5. LOW WATER CUT OFF: RB-122

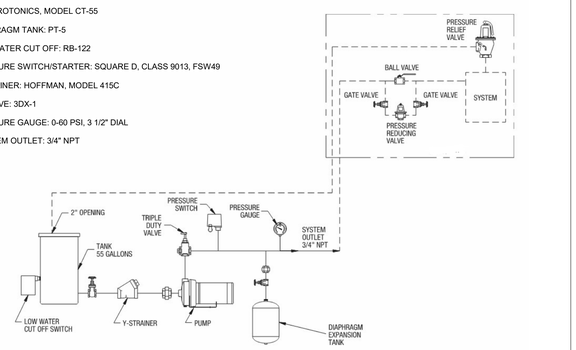
6. PRESSURE SWITCH/STARTER: SQUARE D, CLASS 9013, FSW49

7. Y-STRAINER: HOFFMAN, MODEL 415C

8. 3D VALVE: 3DX-1

9. PRESSURE GAUGE: 0-60 PSI, 3 1/2" DIAL

10. SYSTEM OUTLET: 3/4" NPT



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⚠ INDICATES REVISION AND DATE	
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	MECHANICAL ENLAREGED PLANS
SHEET:	M404
COMM #:	2265

1/16/2024 12:24:12 PM

1/16/2024 12:36:13 PM

SHEET: M405

COMM #: 2265

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: MECHANICAL SECTIONS AND ENLAREGED PLANS

INDICATES REVISION AND DATE

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DANVILLE COMMUNITY SCHOOL CORPORATION

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ARCHITECTS & ENGINEERS

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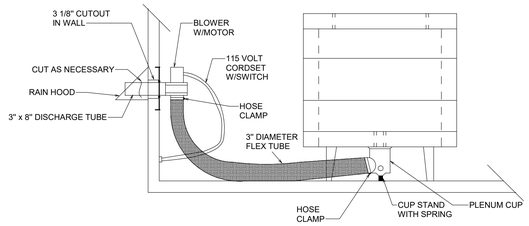
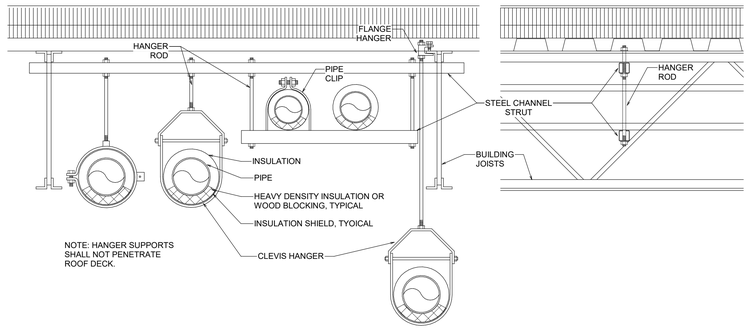


ENVIROVENT 2 TYPICAL INSTALLATION

9 M501 ENVIROVENT 2 TYPICAL INSTALLATION

NOT TO SCALE



10 M501 PIPE HANGER DETAILS

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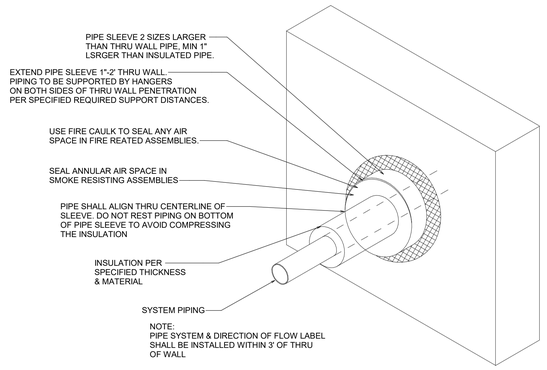
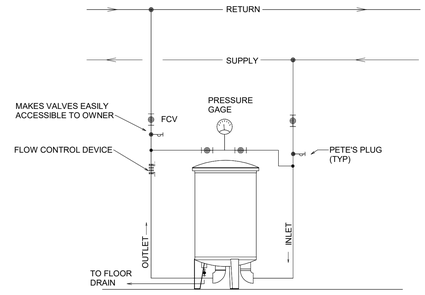


11 M501 PIPE PENETRATION THROUGH INTERIOR WALL

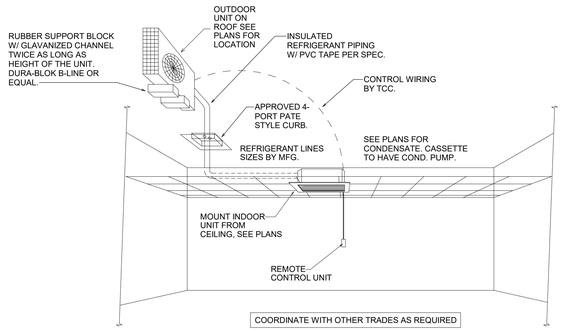
NOT TO SCALE



HARMSCO OR EQUAL SEE MECH. PLAN

6 M501 HYDRONIC CARTRIDGE FILTER DETAIL

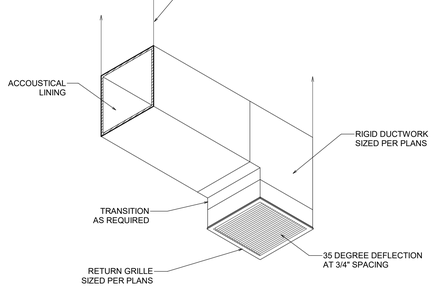
NOT TO SCALE



COORDINATE WITH OTHER TRADES AS REQUIRED

7 M501 CEILING CASSETTE TYPE SSAC DETAIL

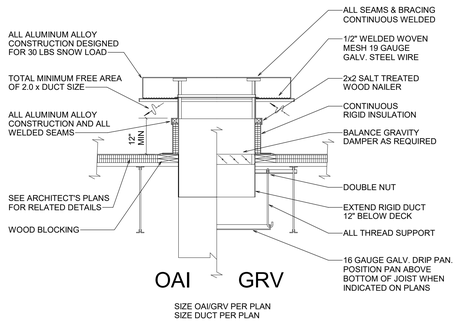
NOT TO SCALE



RIGID DUCT BOARD MAY BE SUBSTITUTED FOR METAL DUCTWORK IF STRUCTURAL INTEGRITY IS NOT REQUIRED.

8 M501 TYPICAL RELIEF AIR DUCTWORK ASSEMBLY

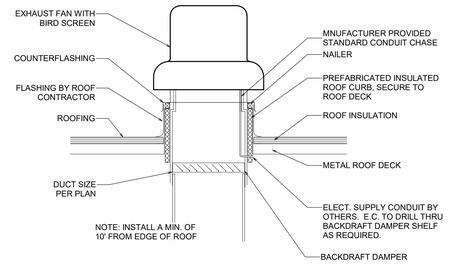
NOT TO SCALE



SIZE OAI/GRV PER PLAN
SIZE DUCT PER PLAN

12 M501 TYPICAL OUTSIDE AIR INTAKE (OAI) / GRAVITY RELIEF VENT (GRV)

NOT TO SCALE



1 M501 PRE DETAIL

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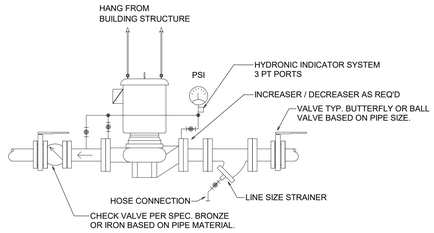

2 M501 IN-LINE VERTICAL PUMP DETAIL

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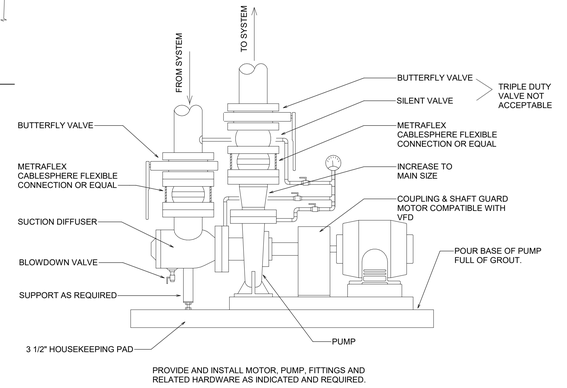

PROVIDE AND INSTALL MOTOR, PUMP, FITTINGS AND RELATED HARDWARE AS INDICATED AND REQUIRED.

3 M501 HYDRONIC PUMP DETAIL

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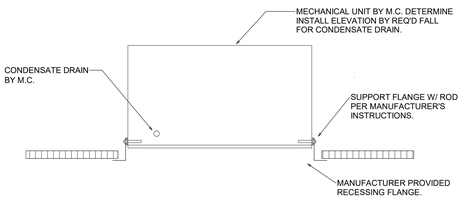

4 M501 HCFC MOUNTED IN CEILING GRID

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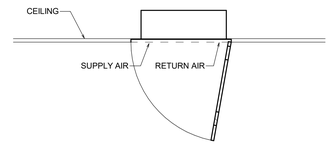

5 M501 HORIZONTAL CH

NOT TO SCALE

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DRAWN BY:	HUSAR
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SHEET NAME:	MECHANICAL DETAILS
SHEET:	M501
COMM #:	2265

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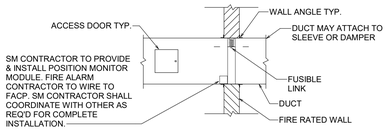
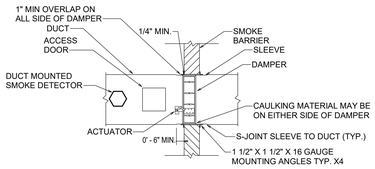


11 / M502 DETAIL FIRE DAMPER DETAIL

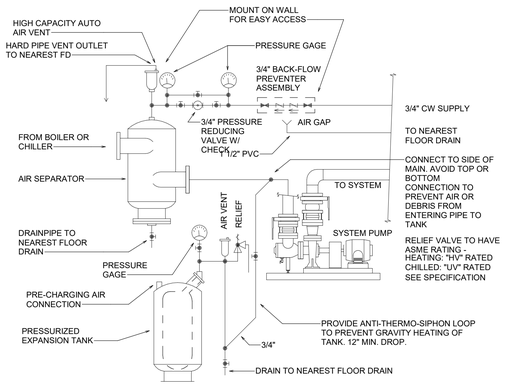
NOT TO SCALE



NOTE: PROVIDE FIRE / SMOKE DAMPER THAT MEETS THE REQUIREMENTS ESTABLISHED. PROVIDE RELAY MODULE FOR REPORTING TO FACP & FOR AHU SHUTDOWN.

10 / M502 SMOKE DAMPER DETAIL

NOT TO SCALE



9 / M502 AIR SEPARATOR EXPANSION TANK PIPING

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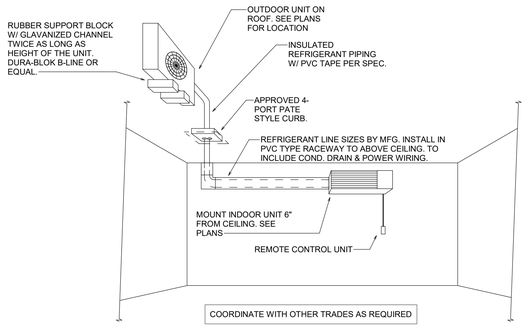

8 / M502 WALL MOUNTED TYPE SSAC

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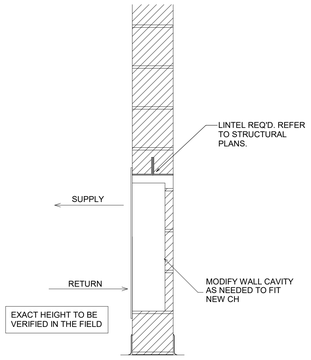

7 / M502 RECESSED WALL CH DETAIL

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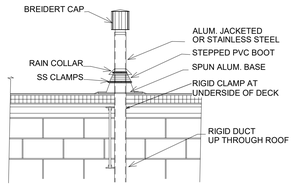
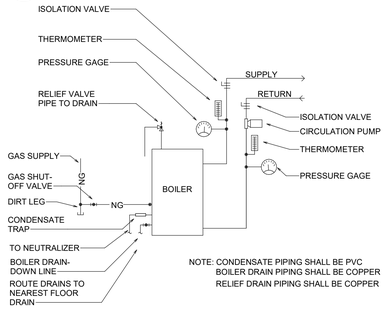


4 / M502 TYPICAL BREIDERT CAP DETAIL

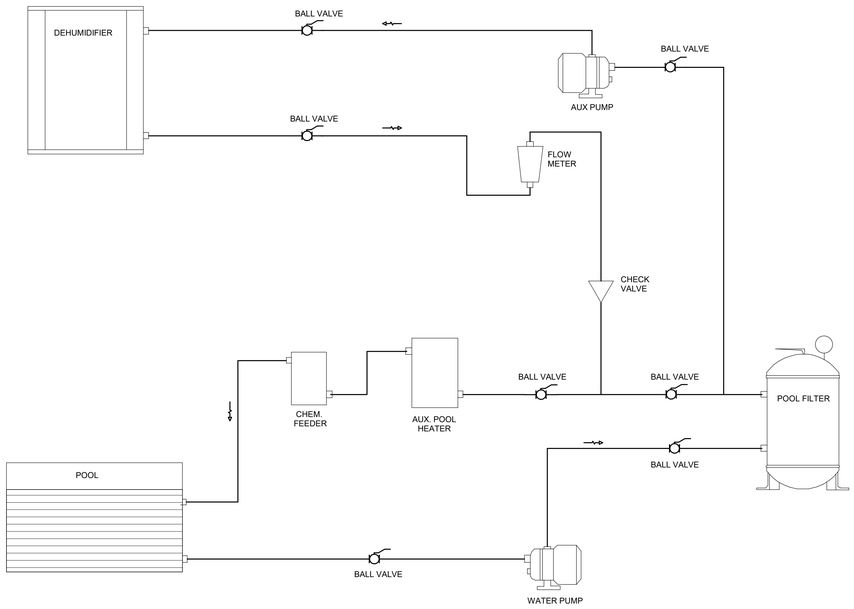
NOT TO SCALE



NOTE: CONDENSATE PIPING SHALL BE PVC
BOILER DRAIN PIPING SHALL BE COPPER
RELIEF DRAIN PIPING SHALL BE COPPER

5 / M502 BOILER PIPING DIAGRAM

NOT TO SCALE



6 / M502 POOL HEATING DETAIL

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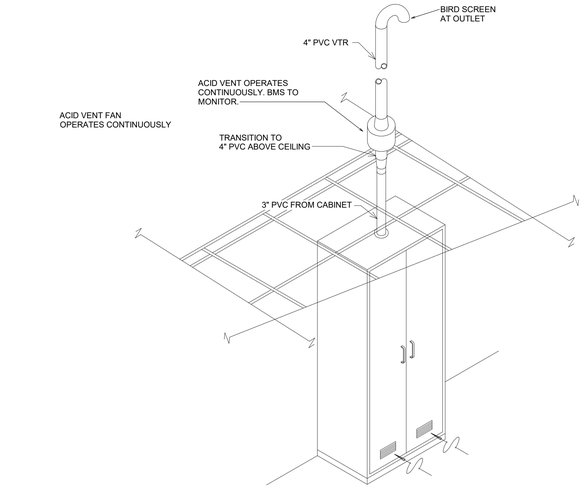
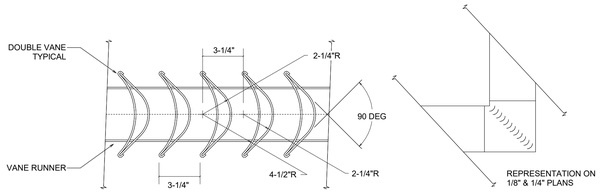


1 / M502 VENTILATED ACID STORAGE CASE

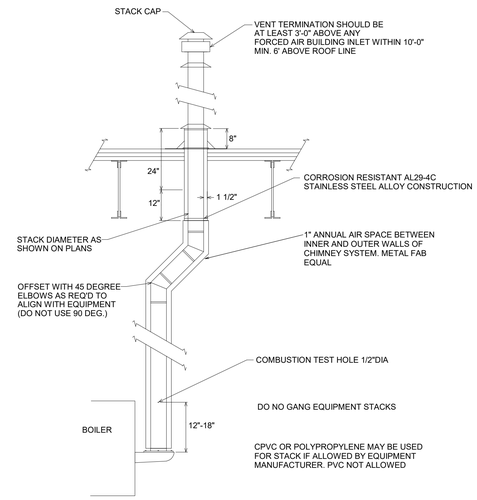
NOT TO SCALE



24 GAUGE MIN.

2 / M502 TYPICAL TURNING VANE DETAIL

NOT TO SCALE



3 / M502 CONDENSING BOILER AND WH EXHAUST STACK DETAIL

NOT TO SCALE

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	MECHANICAL DETAILS

SHEET: **M502**

COMM #: 2265

11/4/2024 12:34:17 PM

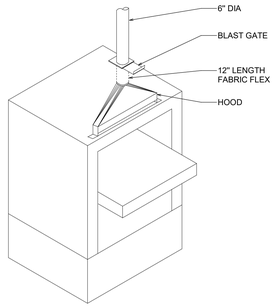
ABBREVIATIONS

ACCU	AIR COOLED CONDENSING UNIT
A.F.F.	ABOVE FINISHED FLOOR
AHU	AIR HANDLER UNIT
ATV	AIR TUNING VANE
B	BOILER
BC	BLOWER COIL
BDD	BACK DRAFT DAMPER
CH	CABINET HEATER
CEF	CEILING EXHAUST FAN
CU	CONDENSING UNIT
CV	CONVECTOR
DC	DUST COLLECTOR
DHU	DEHUMIDIFICATION UNIT
EAT	ENTERING AIR TEMPERATURE
EAV	EXHAUST AIR VENTILATOR
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB
EWP	ELECTRIC WALL PANEL HEATER
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FPB	FAN POWERED BOX
FTR	FINNED TUBE RADIATION
GPM	GALLONS PER MINUTE
GRV	GRAVITY RELIEF VENT
HC	HEATING COIL
HCFC	HEATING/COOLING FAN COIL
HP	HEAT PUMP
KV	KILN VENT FAN
HVAC	HTG. VENT., & AC UNIT
IR	INFRARED HEATER
L	LOUVER
LAT	LEAVING AIR TEMP
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
MAT	MIXED AIR TEMP
MD	MANUAL DAMPER
MOD	MOTOR OPERATED DAMPER
MUA	MAKE-UP AIR UNIT
OAD	OUTSIDE AIR DAMPER
OAI	OUTSIDE AIR INTAKE
P	PUMP
RDC	REMOTE DRY COOLER
PRE	POWERED ROOF EXHAUST
REF	RELIEF AIR FAN
RHP	RADIANT HEATING PANEL
RTU	ROOFTOP UNIT
RV	RELIEF VENT
SD	SPLITTER DAMPER
SF	SUPPLY FAN
SFD	SMOKE FIRE DAMPER
SSAC	SPLIT SYSTEM AIR CONDITIONER
TB	TERMINAL BOX
TSP	TOTAL STATIC PRESSURE
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME BOX
WEF	WALL EXHAUST FAN

NOTE: SOME SYMBOLS MAY NOT BE USED

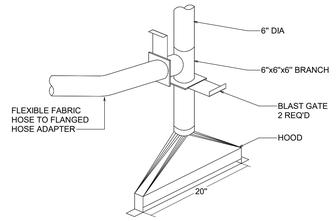
SYMBOL LEGENDS

- SENSOR
- SWITCH
- THERMOMETER
- THERMOMETER
- CONNECT NEW TO EXISTING
- HUMIDISTAT
- THERMOSTAT
- THERMOSTAT W/ GUARD
- NEW THERMOSTAT ON EX. BOX
- SMOKE DETECTOR
- PRESSURE SENSOR
- VOLUME DAMPER
- BACK WATER VALVE
- FLEX DUCT
- RECTANGULAR DIFFUSER
- ROUND DIFFUSER
- SLOT DIFFUSER
- RETURN GRILLE/DIFFUSER
- EXHAUST GRILLE/DIFFUSER
- FLOW SETTER
- TEMP WELL
- METER
- CAP LINE
- 3-WAY CONTROL VALVLE
- 2-WAY CONTROL VALVE
- LINE STRAINER
- HORIZONTAL FIRE DAMPER
- VERTICAL FIRE DAMPER
- CHECK VALVE
- BUTTERFLY VALVE
- BALL VALVE
- GATE VALVE
- DOUBLE BACKFLOW PREVENTER
- GAS COCK
- EQUIP/PIPING TO BE DEMOLISHED
- EXISTING EQUIPMENT TO REMAIN
- VAC — VACUUM PIPING
- A — AIR PIPING
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- FP — FIRE PROTECTION PIPING
- LPS — LOW PRESSURE STEAM SUPPLY
- LPR — CONDENSATE STEAM RETURN
- MPS — MED. PRESSURE STEAM SUPPLY
- MPR — MED. PRESSURE STEAM RETURN
- HPWS — HEAT PUMP WATER SUPPLY
- HPWR — HEAT PUMP WATER RETURN
- CD — CONDENSATE DRAIN
- HG — REFRIGERANT HOT GAS
- RS — REFRIGERANT SUCTION
- RL — REFRIGERANT LIQUID
- CWS — CONDENSER WATER SUPPLY
- CWR — CONDENSER WATER RETURN



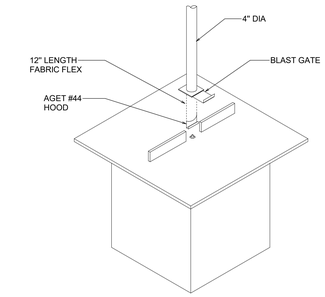
PLANER

7 M503 DETAIL PLANER
NOT TO SCALE



DETAIL 'A' - FLOOR SWEEP
& BRANCH TO MITER BOX

4 M503 DETAIL 'A' - FLOOR SWEEP & BRANCH TO MITER BOX
NOT TO SCALE



ROUTER OR SHAPER

1 M503 DETAIL ROUTER OR SHAPER
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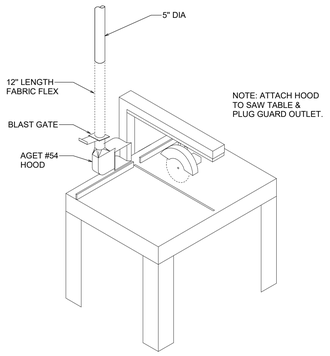

RADIAL ARM SAW

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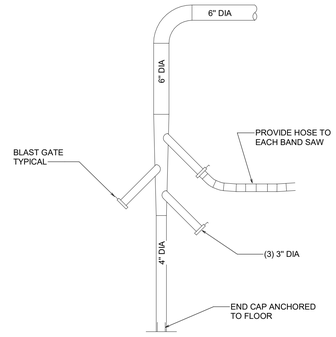


DETAIL 'B' - MULTIPLE
BRANCH CONFIGURATION

5 M503 DETAIL 'B' - MULTIPLE BRANCH CONFIGURATION
NOT TO SCALE

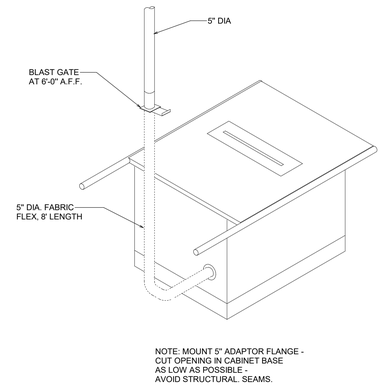
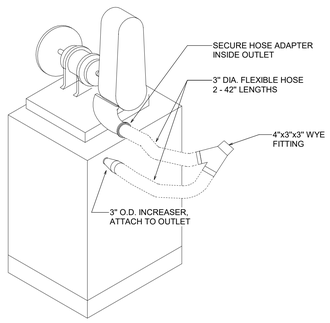


TABLE SAW - CABINET BASE W/ OUTLET

2 M503 DETAIL TABLE SAW - CABINET BASE W/ OUTLET
NOT TO SCALE



COMBINATION BELT/DISC SANDER

9 M503 DETAIL COMBINATION BELT/DISC SANDER
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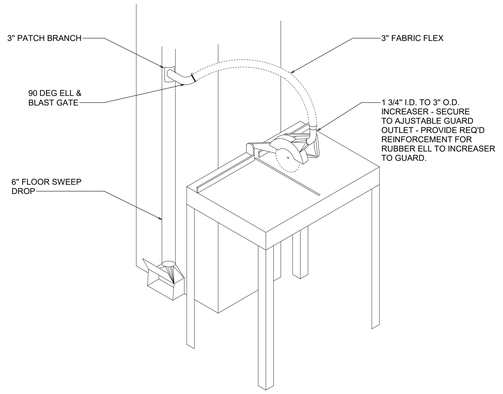

MITRE/ CHOP SAW

6 M503 DETAIL MITRE/CHOP SAW
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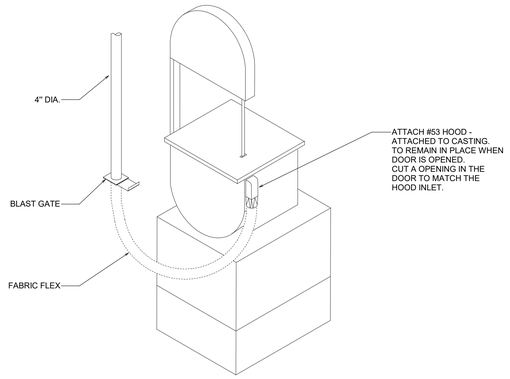

BAND SAW

3 M503 DETAIL BAND SAW
NOT TO SCALE

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DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	MECHANICAL DETAILS
SHEET:	M503
COMM #:	2265

ROOFTOP UNIT SCHEDULE

MARK	MANUFACTURER	MODEL/SIZE	AREA SERVED	TOTAL CFM	OA CFM	SUPPLY FAN RPM	SUPPLY FAN ESP	SUPPLY FAN BHP	SUPPLY FAN HP	RETURN FAN RPM	RETURN FAN ESP	RETURN FAN BHP	RETURN FAN HP	HEATING COIL EDB	HEATING COIL LDB	HEATING COIL EWT	HEATING COIL LWT	HEATING COIL GPM	HEATING COIL WPD	HEATING COIL ROWS	HEATING COIL FINS/FT	HEATING COIL FLUID TYPE	HEATING COIL MBH	CHILLED WATER COIL EDB	CHILLED WATER COIL EWB	CHILLED WATER COIL LDB	CHILLED WATER COIL EWT	CHILLED WATER COIL LWT	CHILLED WATER COIL GPM	CHILLED WATER COIL FLUID TYPE	CHILLED WATER COIL FINS/FT	CHILLED WATER COIL ROWS	CHILLED WATER COIL WPD	CHILLED WATER COIL SENS MBH	CHILLED WATER COIL TOTAL MBH	ELECTRICAL POWER	ELECTRICAL FLA	ELECTRICAL MOP	TOTAL WEIGHT	REMARKS
RTU-A1	TRANE	CSAA012	UNIT A-GUIDANCE	5000	30%	2136	2.0	5.193	7.5					45 F	75 F	150 F	115 F	10.01	0.69 FT	2	83	PROPYLENE GLYCOL	162.68	80	67	55	42	57	28.23	ETHYLENE GLYCOL	120	6	4.52 FT	137.79	191.23	460/3/60	11 A	20	2914 LB	1,2,3,4,5,6,7,8,9
RTU-A2	TRANE	CSAA021	UNIT A-J ART	9000	30%	2041	2.0	9.678	10					45 F	75 F	150 F	115 F	18.01	2.07 FT	1	145	PROPYLENE GLYCOL	292.82	80	67	55	42	57	51.24	ETHYLENE GLYCOL	114	6	8.80 FT	248.02	347.12	460/3/60	14.0 A	30	4184 LB	1,2,3,4,5,6,7,8,9
RTU-A3	TRANE	CSAA021	UNIT A-OFFICE	7500	30%	2020	2.0	7.452	7.5					45 F	75 F	150 F	115 F	15.01	0.15 FT	2	118	PROPYLENE GLYCOL	244.01	80	67	55	42	57	42.95	ETHYLENE GLYCOL	103	6	6.5 FT	206.68	290.97	460/3/60	11 A	20	4197 LB	1,2,3,4,5,6,7,8,9
RTU-A4	TRANE	CSAA012	UNIT A- LMC	5000	30%	2153	2.0	5.315	7.5					45 F	90 F	150 F	115 F	15.01	0.81 FT	2	157	PROPYLENE GLYCOL	244.01	80	67	55	42	57	28.93	ETHYLENE GLYCOL	120	6	4.52 FT	137.79	191.23	460/3/60	11 A	20	3481 LB	1,2,3,4,5,6,7,8,9
RTU-A5	TRANE	CSAA021	UNIT A- LMC	7500	30%	2020	2.0	7.452	7.5					45 F	75 F	150 F	115 F	15.01	0.15 FT	2	118	PROPYLENE GLYCOL	244.01	80	67	55	42	57	42.95	ETHYLENE GLYCOL	103	6	6.5 FT	206.68	290.97	460/3/60	11 A	20	4197 LB	1,2,3,4,5,6,7,8,9
RTU-B1	TRANE	CSAA050	UNIT B-CLASSROOM	17,000	30%	1485	2.0	15.612	2X 10					45 F	75 F	150 F	115 F	34.60	0.62 FT	2	80	PROPYLENE GLYCOL	562.4	80	67	55	42	57	95.59	ETHYLENE GLYCOL	119	6	3.52 FT	468.5	647.60	460/3/60	34 A	70	9342 LB	1,2,3,4,5,6,7,8,9
RTU-B2	TRANE	CSAA035	UNIT B-CLASSROOM	12000	30%	1858	2.0	11.346	2X 7.5					45 F	75 F	150 F	115 F	24.02	0.36 FT	2	97	PROPYLENE GLYCOL	390.42	80	67	55	42	57	67.53	ETHYLENE GLYCOL	100	8	7.68 FT	330.70	457.51	460/3/60	21 A	45	6982 LB	1,2,3,4,5,6,7,8,9
RTU-B3	TRANE	CSAA035	UNIT B-CLASSROOM	12000	30%	1858	2.0	11.346	2X 7.5					45 F	75 F	150 F	115 F	24.02	0.36 FT	2	97	PROPYLENE GLYCOL	390.42	80	67	55	42	57	67.53	ETHYLENE GLYCOL	100	8	7.68 FT	330.70	457.51	460/3/60	21 A	45	6982 LB	1,2,3,4,5,6,7,8,9
RTU-C1	TRANE	CSAA035	UNIT C- FOOD SCIENCES	12000	30%	1858	2.0	11.346	2X 7.5					45 F	75 F	150 F	115 F	24.02	0.36 FT	2	97	PROPYLENE GLYCOL	390.42	80	67	55	42	57	67.53	ETHYLENE GLYCOL	100	8	7.68 FT	330.70	457.51	460/3/60	21 A	45	6982 LB	1,2,3,4,5,6,7,8,9
RTU-C2	TRANE	CSAA050	UNIT C- SCIENCE	17,000	30%	1485	2.0	15.612	2X 10					45 F	75 F	150 F	115 F	34.60	0.62 FT	2	80	PROPYLENE GLYCOL	562.4	80	67	55	42	57	95.59	ETHYLENE GLYCOL	119	6	3.52 FT	468.5	647.60	460/3/60	34 A	70	9342 LB	1,2,3,4,5,6,7,8,9
RTU-C3	TRANE	CSAA012	UNIT C- LIFE SKILLS	5000	30%	2136	2.0	5.193	7.5					45 F	75 F	150 F	115 F	10.01	0.69 FT	2	83	PROPYLENE GLYCOL	162.68	80	67	55	42	57	28.23	ETHYLENE GLYCOL	120	6	4.52 FT	137.79	191.23	460/3/60	11 A	20	2914 LB	1,2,3,4,5,6,7,8,9
RTU-C4	TRANE	CSAA021	UNIT-C BUSINESS CLASSROOM LOBBY	9000	30%	2041	2.0	9.678	10					45 F	75 F	150 F	115 F	18.01	2.07 FT	1	145	PROPYLENE GLYCOL	292.82	80	67	55	42	57	51.24	ETHYLENE GLYCOL	114	6	8.80 FT	248.02	347.12	460/3/60	14.0 A	30	4184 LB	1,2,3,4,5,6,7,8,9
RTU-D1	TRANE	CSAA057	UNIT D- CAFE	20000	30%	1453	2.0	18.195	2X 10					45 F	75 F	150 F	115 F	40.03	3.38 FT	1	131	PROPYLENE GLYCOL	650.70	80	67	55	42	57	112.46	ETHYLENE GLYCOL	118	6	10.59 FT	551.16	761.94	460/3/60	34 A	70	10252 LB	1,2,3,4,5,6,7,8,9
RTU-D2	TRANE	CSAA017	UNIT-D KITCHEN	7500	30%	2123	2.0	8.729	10					45 F	90 F	150 F	115 F	22.52	1.24 FT	2	142	PROPYLENE GLYCOL	366.02	80	67	55	42	57	42.41	ETHYLENE GLYCOL	121	6	2.34 FT	206.68	287.35	460/3/60	14.0 A	30	4024 LB	1,2,3,4,5,6,7,8,9
RTU-E1	TRANE	CSAA035	UNIT-E BAND	12000	30%	1858	2.0	11.346	2X 7.5					45 F	75 F	150 F	115 F	24.02	0.36 FT	2	97	PROPYLENE GLYCOL	390.42	80	67	55	42	57	67.53	ETHYLENE GLYCOL	100	8	7.68 FT	330.70	457.51	460/3/60	21 A	45	6982 LB	1,2,3,4,5,6,7,8,9
RTU-F1	TRANE	CSAA021	UNIT F- AG/PTLW	7500	30%	2020	2.0	7.452	7.5					45 F	75 F	150 F	115 F	15.01	0.15 FT	2	118	PROPYLENE GLYCOL	244.01	80	67	55	42	57	42.95	ETHYLENE GLYCOL	103	6	6.5 FT	206.68	290.97	460/3/60	11 A	20	4197 LB	1,2,3,4,5,6,7,8,9
RTU-F2	TRANE	CSAA021	UNIT F- CLASSROOMS	7500	30%	2020	2.0	7.452	7.5					45 F	75 F	150 F	115 F	15.01	0.15 FT	2	118	PROPYLENE GLYCOL	244.01	80	67	55	42	57	42.95	ETHYLENE GLYCOL	103	6	6.5 FT	206.68	290.97	460/3/60	11 A	20	4197 LB	1,2,3,4,5,6,7,8,9
RTU-G1	TRANE	CSAA012	UNIT G- WEIGHTRM	5000	30%	2153	2.0	5.315	7.5					45 F	90 F	150 F	115 F	15.01	0.81 FT	2	157	PROPYLENE GLYCOL	244.01	80	67	55	42	57	28.93	ETHYLENE GLYCOL	120	6	4.52 FT	137.79	191.23	460/3/60	11 A	20	3481 LB	1,2,3,4,5,6,7,8,9
RTU-G3	TRANE	CSAA010	UNIT G- CORRIDOR	3000	30%	2045	2.0	2.799	3					45 F	90 F	150 F	115 F	9.01	0.61 FT	2	134	PROPYLENE GLYCOL	146.41	80	67	55	42	57	16.94	ETHYLENE GLYCOL	116	6	2.75 FT	82.67	114.77	460/3/60	4.80 A	15	3075 LB	1,2,3,4,5,6,7,8,9

AIR HANDLING UNIT SCHEDULE WITH RETURN FAN

MARK	MFR	MODEL	AREA SERVED	OA CFM	SUPPLY FAN CFM	SUPPLY FAN RPM	SUPPLY FAN ESP (IN-WG)	SUPPLY FAN QUANTITY	SUPPLY FAN HP/FAN	EXHAUST FAN CFM	EXHAUST FAN RPM	EXHAUST FAN ESP (IN-WG)	EXHAUST FAN QUANTITY	EXHAUST FAN HP/FAN	HEATING COIL EDB (°F)	HEATING COIL LDB (°F)	HEATING COIL EWT (°F)	HEATING COIL LWT (°F)	HEATING COIL GPM	HEATING COIL WPD (FT-WG)	HEATING COIL ROWS	HEATING COIL FLUID TYPE	HEATING COIL MBH	COOLING COIL EDB (°F)	COOLING COIL EWB (°F)	COOLING COIL LDB (°F)	COOLING COIL LWB (°F)	COOLING COIL GPM	COOLING COIL WPD (FT-WG)	COOLING COIL ROWS	COOLING COIL FLUID TYPE	COOLING COIL SENS MBH	COOLING COIL TOTAL MBH	SUPPLY FAN ELECTRICAL POWER	SUPPLY FAN ELECTRICAL FLA	SUPPLY FAN ELECTRICAL MCA	SUPPLY FAN ELECTRICAL FUSE SIZE	EXHAUST FAN ELECTRICAL POWER	EXHAUST FAN ELECTRICAL FLA	EXHAUST FAN ELECTRICAL MCA	EXHAUST FAN ELECTRICAL FUSE SIZE	WHEEL CIRCUIT POWER	WHEEL CIRCUIT FLA	WHEEL CIRCUIT MCA	WHEEL CIRCUIT FUSE SIZE	WEIGHT (lb)	REMARKS
RTU-G2	TRANE	CSAA008-EW	UNIT G-LOCKERRM	30%	4161	2914	2.0	1	7.5	4157	2423	2.0	1	5	42.48	90	150	125	17.88	1.25 FT	2	PROPELYNE GLYCOL	214.43	82.22	69.39	55	54.9	27.35	5.35 FT	6	PROPELYN E GLYCOL	125.14	192.63	460/3	20.5	23.26	30	460/3				460/3				4889	1,2,3,4,5,6,7,9,10

REMARKS:
1. UNIT TO HAVE COMBINATION ANGLE TYPE FILTER MIXING BOX.
2. ALL FILTERS SHALL BE MERV 13 REPLACEABLE FIBREGLASS MEDIA WITH PERMANENT METAL FRAMES.
3. SUPPLY SIX (6) EXTRA SETS OF THROW-AWAY FILTERS FOR CONSTRUCTION.
4. PROVIDE SHOCK ISOLATORS.
5. FACTORY PROVIDED AND INSTALLED EXTERNAL COMBINATION VFD/ DISCONNECT WITH BYPASS.
6. PROVIDE AND INSTALL CURB.
7. CONTROL VALVE ON COOLING COIL - 2 WAY 2-POSITION. CONTROL VALVE ON HEATING - 2 WAY MODULATING
8. PROVIDE WITH INTERNAL FACE AND BYPASS.
9. PROVIDE WITH PIPE AND CONTROLS CABINET.
10. EC SHALL PROVIDE AND TERMINATE 3 460V CIRCUITS TO UNIT (SUPPLY, EXHAUST & ENERGY WHEEL)

HF = HORIZONTAL FLOOR MOUNT TYPE
HH = HORIZONTAL HUNG MOUNT TYPE
VF = VERTICAL FLOOR MOUNT TYPE
VH = VERTICAL HUNG MOUNT TYPE

DEHUMIIDIFICATION SCHEDULE

MARK	MFR	MODEL	AREA SERVED	OA CFM	SUPPLY FAN CFM	SUPPLY FAN RPM	SUPPLY FAN ESP (IN-WG)	SUPPLY FAN QUANTITY	SUPPLY FAN HP/FAN	EXHAUST FAN CFM	EXHAUST FAN RPM	EXHAUST FAN ESP (IN-WG)	EXHAUST FAN QUANTITY	EXHAUST FAN HP/FAN	AUXILIARY HEAT EDB (°F)	AUXILIARY HEAT LDB (°F)	AUXILIARY HEAT EWT (°F)	AUXILIARY HEAT LWT (°F)	AUXILIARY HEAT GPM	AUXILIARY HEAT WPD (FT-WG)	AUXILIARY HEAT ROWS	AUXILIARY HEAT FLUID TYPE	AUXILIARY HEAT MBH	REHEAT COIL TOT. HEAT REJECTION	REHEAT COIL CONTROL	COMPRESSOR TYPE	COMPRESSOR # COMP.	COMPRESSOR REF.	EVAPORATOR COIL CIRCUITS	EVAPORATOR COIL LATENT CAPACITY (LBS/H)	EVAPORATOR COIL SENS MBH	EVAPORATOR COIL TOTAL MBH	PURGE AIR BLOWER CFM	PURGE AIR BLOWER ESP	PURGE AIR BLOWER NO. MOTORS	PURGE AIR BLOWER HP	HEAT RECOVERY COIL ROWS (OA/EA)	HEAT RECOVERY NO. MOTORS	HEAT RECOVERY HP	HEAT RECOVERY FLUID	UNIT POWER POWER	UNIT POWER FLA	UNIT POWER MCA	UNIT POWER FUSE SIZE	WEIGHT (lb)	REMARKS
DHU-1	SERESCO	CWT-076-GB-X-A6F TG403W2E5AF01H	G124 POOL	8110	40,000		1.5	7	9.4	8921			4	4.8	84.0	107.1	180	160	86.4	5.9		PROPYLENE	800.0	1274.0	FULL MODULATION	SCROLL	10	R410A	10	502.0	477.0	1019.2	26,400		3	5.3	4/4	1	0.75	PROPYLENE	460/60/3	224.7	228	250	24,800	

RADIATION AND CONVECTOR SCHEDULE

MARK	MANUFACTURER / MODEL	AREA SERVED	CABINET STYLE	CABINET DIMENSIONS WIDTH	CABINET DIMENSIONS HEIGHT	RADIATION ELEMENT HEIGHT	RADIATION ELEMENT WIDTH	RADIATION ELEMENT DEPTH	RADIATION ELEMENT MBH	RADIATION ELEMENT GPM	ROWS	REMARKS
CV-1	STERLING - FWG - A 28	C143 TOILET	RECESSED	29	27	24	28	4	1.0	0.5	2	1
CV-2	STERLING - FWG - A 28	C143 TOILET	RECESSED	29	27	24	28	4	1.0	0.5	2	1
CV-3	STERLING - FWG - A 28	C143 TOILET	RECESSED	29	27	24	28	4	1.0	0.5	2	1
CV-4	RUNTAL - TW9	G127 R.R.	SURFACE	29	27	26	24		2.4	0.5		1

REMARKS:
1. PROVIDE OPTIONAL INSULATION ON BACK OF UNIT
2. INSTALL SENSING BULB ON BOTTOM OF CABINET

REMOTE DRY COOLER SCHEDULE

MARK	MFR	MODEL	FAN MOTORS CFM	FAN MOTORS FAN QUANTITY	FAN MOTORS HP/FAN	FLUID COOLED A/C GPM	FLUID COOLED A/C WPD (FT-WG)	FLUID COOLED A/C FILL VOLUME	PERFOMANCE DESIGN OA (F)	PERFOMANCE TOTAL MBH	UNIT POWER POWER	UNIT POWER FLA	UNIT POWER MCA	UNIT POWER FUSE SIZE	WEIGHT (lb)	REMARKS
RDC-1	SERESCO	NG-V-32	40,000	6	4.5	160.0	2.5	120.0 GALLONS	95.0	1274.0	460/60/3	28.2	30	30	3600	

PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	SIZE	HEAD FEET	GPM	HP	BHP	RPM	ELECTRICAL	SYSTEM	REMARKS
P-1	BELL & GOSSETT	E-1510	4AD	120	900	40	33.8	3471	460/60/3	CHILLED WATER	
P-2	BELL & GOSSETT	E-1510	4AD	120	900	40	33.8	3471	460/60/3	CHILLED WATER	
P-3	BELL & GOSSETT	E-1510	4AD	120	900	40	33.8	3471	460/60/3	CHILLED WATER	
P-4	BELL & GOSSETT	E-1510	3GB	120	700	30	25.2	3600	460/60/3	HEATING SECONDARY	
P-5	BELL & GOSSETT	E-1510	3GB	120	700	30	25.2	3600	460/60/3	HEATING SECONDARY	
P-6	Bell & Gossett	E-80SC	5x5x7B	25	600	7.5	4.87	1555	460/60/3	HEATING PRIMARY	
P-7	Bell & Gossett	E-80SC	5x5x7B	25	600	7.5	4.87	1555	460/60/3	HEATING PRIMARY	
P-8	Bell & Gossett	E-80SC	5x5x7B	25	600	7.5	4.87	1555	460/60/3	HEATING PRIMARY	
P-9	AURORA	3801	2x2.5x7	40	180	3.0	2.51	1149	460/60/3	POOL HEATING	1,2,8

REMARKS:
1. TAPPED FLANGES REQUIRED.
2. PREMIUM EFFICIENCY MOTOR FOR VFD OPERATION.
3. PUMP SPEED TO BE CONTROLLED VIA DIFFERENTIAL PRESSURE SENSOR TO BE INSTALLED WHERE NOTED.
4. TCC TO CYCLE ON/OFF BASED ON CHILLER/BOILER OPERATION - INTERLOCK. T.C.C. TO SET SPEED.
5. TWO(2) PUMPS TO WORK IN PARALLEL, ONE IN STANDBY. TOTAL MAX. 1800GPM.
6. SIZED WITH 25% PROPYLENE GLYCOL.
7. PRIMARY BOILER PUMPS (P-6,7,8) TO BE SUPPLIED BY BOILER MANUFACTURER. PUMPS TO BE SIMILAR PERFORMANCE SCHEDULED. UNITS TO HAVE INTEGRAL VFD.
8. PROVIDE WITH EPOXY LINING.

AIR COOLED CHILLER SCHEDULE

MARK	MANUFACTURER	MODEL	TONS	GPM(MIN/NOMINAL/MAX)	EWT °F	LWT °F	WPD FT.	AMB °F	REMOTE EVAPORATOR	COMP/FANS	EER	ELEC	MCA	MOP	UNIT WEIGHT	NOTES
CHILLER-1	TRANE	RTAF-310	310.0	323 / 658.7 / 1183	55.0	44.0	21.5	95.0	NO	3/20	10.22	460/60/3	599.0	700.0	18,503	
CHILLER-2	TRANE	RTAF-310	310.0	323 / 658.7 / 1183	55.0	44.0	21.5	95.0	NO	3/20	10.22	460/60/3	599.0	700.0	18,503	

REMARKS:
1. SINGLE POWER POINT CONNECTION.
2. EXTENDED COMPRESSOR WARRANTY.
3. VIBRATION ISOLATORS AND SUCTION SERVICE VALVES.
4. PERFORMANCE BASED ON 25% PROPYLENE GLYCOL.
5. LOCATE REMOTE CHILLER PANEL IN BOILER ROOM. PROVIDE W/ CHILLER PLANT MANAGER W/ BACNET INTERFACE.
6. PROVIDE WITH POWERED CONVENIENCE OUTLET.

BOILER SCHEDULE

MARK	MANUFACTURER/ TYPE	MODEL	INPUT MBH	OUTPUT MBH	GPM	EWT °F	LWT °F	ELECTRICAL	FLA	MCA	NOTES
B-1	LOCHINVAR	FBN6001	6000.0	5766.0	576.0	130.0	150.0	460/60/3	7.0	8.8	1,2,3,4,5
B-2	LOCHINVAR	FBN6001	6000.0	5766.0	576.0	130.0	150.0	460/60/3	7.0	8.8	1,2,3,4,5
B-3	LOCHINVAR	FBN6001	6000.0	5766.0	576.0	130.0	150.0	460/60/3	7.0	8.8	1,2,3,4,5

REMARKS:
1. PROVIDE BOILER WITH PUMP RELAY OPTION FOR CONTROL OF BOILER PUMP WITH DELAY TIMER.
2. PROVIDE WITH CONDENSATE NEUTRALIZATION TANK.
3. PROVIDE WITH BACNET OUTPUT TO T.C.C.
4. PROVIDE WITH BOILER CIRCULATOR PUMP FOR PRIMARY/SECONDARY OPERATION. COORDINATE VOLTAGE REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
5. PROVIDE WITH TRANSFORMER FOR ANY LOW VOLTAGE POWER REQUIREMENTS.

RYAN J. BOWLAND
REGISTERED
No. PE0910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: MECHANICAL SCHEDULES

SHEET: **M601**

COMM #: 2265

1/16/2024 12:33:24 PM

VAV TERMINAL BOX SCHEDULE

MARK	MANUFACTURER	INLET SIZE	AREA SERVED	MODEL	INLET COOLING CFM MAX	INLET COOLING CFM MIN	INLET HTG CFM	EWT (F)	LWT (F)	REQ'D MBH	GPM	APD in W.C.	WPD ft W.C.	LAT (F)	COIL ROWS
VAV-A1	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A2	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A3	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A4	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A5	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A6	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A7	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A8	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A9	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A10	TRANE	8"	UNIT A- GUIDANCE	VCWF	650	195	400	150	124.89	15.18	1.21	0.43	0.13	90	2
VAV-A11	TRANE	4"	UNIT A- GUIDANCE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A12	TRANE	6"	UNIT A- GUIDANCE	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-A13	TRANE	12"	UNIT A- OFFICE	VCWF	2000	600	1100	150	121.96	41.75	2.98	0.69	0.5	90	2
VAV-A14	TRANE	4"	UNIT A- OFFICE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A16	TRANE	10"	UNIT A- GUIDANCE	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-A17	TRANE	8"	UNIT A- GUIDANCE	VCWF	650	195	400	150	124.89	15.18	1.21	0.43	0.13	90	2
VAV-A18	TRANE	8"	UNIT A-ART	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-A19	TRANE	10"	UNIT A-ART	VCWF	1400	420	800	150	119.3	30.37	1.98	0.68	0.65	90	2
VAV-A20	TRANE	10"	UNIT A- OFFICE	VCWF	1400	420	800	150	119.3	30.37	1.98	0.68	0.65	90	2
VAV-A21	TRANE	12"	UNIT A-ART	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-A22	TRANE	4"	UNIT A-ART	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A23	TRANE	6"	UNIT A- OFFICE	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-A24	TRANE	8"	UNIT A- OFFICE	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-A25	TRANE	4"	UNIT A- OFFICE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A26	TRANE	5"	UNIT A- OFFICE	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-A27	TRANE	6"	UNIT A- OFFICE	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-A28	TRANE	5"	UNIT A- OFFICE	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-A29	TRANE	8"	UNIT A- OFFICE	VCWF	600	180	400	150	124.89	15.18	1.21	0.38	0.13	90	2
VAV-A30	TRANE	4"	UNIT A- OFFICE	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-A31	TRANE	6"	UNIT A- OFFICE	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-A32	TRANE	6"	UNIT A- OFFICE	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-A33	TRANE	10"	UNIT A-MEDIA	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-A34	TRANE	10"	UNIT A-MEDIA	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-A35	TRANE	5"	UNIT A-MEDIA	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-A36	TRANE	6"	UNIT A-MEDIA	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-A37	TRANE	12"	UNIT A-MEDIA	VCWF	1600	48	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-A38	TRANE	8"	UNIT A-MEDIA	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-A39	TRANE	6"	UNIT A-MEDIA	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-A40	TRANE	8"	UNIT A-MEDIA	VCWF	650	195	400	150	124.89	15.18	1.21	0.43	0.13	90	2
VAV-A41	TRANE	8"	UNIT A-MEDIA	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-B1	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B2	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B3	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B4	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B5	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B6	TRANE	10"	UNIT B-CLASSROOM	VCWF	1400	420	800	150	119.3	30.37	1.98	0.68	0.65	90	2
VAV-B7	TRANE	10"	UNIT B-CLASSROOM	VCWF	1400	420	800	150	119.3	30.37	1.98	0.68	0.65	90	2
VAV-B8	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B9	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B10	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B11	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B12	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B13	TRANE	10"	UNIT B-CLASSROOM	VCWF	1400	420	800	150	119.3	30.37	1.98	0.68	0.65	90	2
VAV-B14	TRANE	8"	UNIT B-CLASSROOM	VCWF	600	180	400	150	124.89	15.18	1.21	.380	0.13	90	2
VAV-B15	TRANE	4"	UNIT B-CLASSROOM	VCWF	120	36	120	150	130.03	4.99	0.5	0.03	.510	93.32	1
VAV-B16	TRANE	8"	UNIT B-CLASSROOM	VCWF	600	180	400	150	124.89	15.18	1.21	0.38	0.13	90	2
VAV-B17	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B18	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B19	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B20	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B21	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B22	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B23	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B24	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B25	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B26	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B27	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B28	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B29	TRANE	6"	UNIT B-CLASSROOM	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-B30	TRANE	10"	UNIT C-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B31	TRANE	10"	UNIT C-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B32	TRANE	10"	UNIT C-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B33	TRANE	10"	UNIT C-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2

VAV TERMINAL BOX SCHEDULE

MARK	MANUFACTURER	INLET SIZE	AREA SERVED	MODEL	INLET COOLING CFM MAX	INLET COOLING CFM MIN	INLET HTG CFM	EWT (F)	LWT (F)	REQ'D MBH	GPM	APD in W.C.	WPD ft W.C.	LAT (F)	COIL ROWS
VAV-B36	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B37	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-B38	TRANE	10"	UNIT B-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C1	TRANE	12"	UNIT C- SCIENCE	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-C2	TRANE	12"	UNIT C- SCIENCE	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-C3	TRANE	12"	UNIT C- SCIENCE	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-C4	TRANE	12"	UNIT C- SCIENCE	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-C5	TRANE	12"	UNIT C- SCIENCE	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-C6	TRANE	8"	UNIT C-LIFE SKILLS	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-C7	TRANE	8"	UNIT C-LIFE SKILLS	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-C8	TRANE	12"	UNIT C- SCIENCE	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-C9	TRANE	12"	UNIT C- SCIENCE	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-C10	TRANE	10"	UNIT C- SCIENCE	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C11	TRANE	10"	UNIT C- SCIENCE	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C12	TRANE	5"	UNIT C- SCIENCE	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-C13	TRANE	5"	UNIT C- SCIENCE	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-C14	TRANE	4"	UNIT C-LIFE SKILLS	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-C15	TRANE	4"	UNIT C-LIFE SKILLS	VCWF	200	60	150	150	119.71	7.81	0.5	0.1	0.18	103	2
VAV-C16	TRANE	12"	UNIT C- BUSINESS	VCWF	2000	600	1100	150	121.96	41.75	2.98	0.69	0.5	90	2
VAV-C17	TRANE	10"	UNIT C- BUSINESS	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C18	TRANE	6"	UNIT C- BUSINESS	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-C19	TRANE	10"	UNIT C- BUSINESS	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C20	TRANE	4"	UNIT C- BUSINESS	VCWF	120	36	120	150	130.03	4.99	0.5	0.03	.510	90	1
VAV-C21	TRANE	10"	UNIT C-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C22	TRANE	5"	UNIT C- BUSINESS	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-C23	TRANE	6"	UNIT C- BUSINESS	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-C24	TRANE	5"	UNIT C- BUSINESS	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-C25	TRANE	4"	UNIT C- BUSINESS	VCWF	120	36	120	150	130.03	4.99	0.5	0.03	.510	90	1
VAV-C26	TRANE	10"	UNIT C- BUSINESS	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C27	TRANE	10"	UNIT C- BUSINESS	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C28	TRANE	6"	UNIT C-CULINARY	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-C29	TRANE	14"	UNIT C-CULINARY	VCWF	2250	600	1500	150	119.08	35.8	3.69	0.47	0.58	90	2
VAV-C30	TRANE	14"	UNIT C-CULINARY	VCWF	2250	600	1500	150	119.08	35.8	3.69	0.47	0.58	90	2
VAV-C31	TRANE	5"	UNIT C-CULINARY	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-C32	TRANE	10"	UNIT C-CULINARY	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C33	TRANE	10"	UNIT C-CULINARY	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C34	TRANE	12"	UNIT C-CULINARY	VCWF	2000	600	1100	150	121.96	41.75	2.98	0.69	0.5	90	2
VAV-C35	TRANE	10"	UNIT C-CULINARY	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C36	TRANE	10"	UNIT C-CULINARY	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-C37	TRANE	8"	UNIT C-LIFE SKILLS	VCWF	600	180	400	150	124.89	15.18	1.21	0.38	0.13	90	2
VAV-C38	TRANE	10"	UNIT C-CLASSROOM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-E1	TRANE	8"	UNIT E- BAND	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-E2	TRANE	10"	UNIT E- BAND	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-E3	TRANE	6"	UNIT E- BAND	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-E4	TRANE	5"	UNIT E- BAND	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-E5	TRANE	5"	UNIT E- BAND	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-E6	TRANE	14"	UNIT E- BAND	VCWF	2250	600	1500	150	119.08	35.8	3.69	0.47	0.58	90	2
VAV-E7	TRANE	14"	UNIT E- BAND	VCWF	2250	600	1500	150	119.08	35.8	3.69	0.47	0.58	90	2
VAV-E8	TRANE	14"	UNIT E- BAND	VCWF	2250	600	1500	150	119.08	35.8	3.69	0.47	0.58	90	2
VAV-E9	TRANE	5"	UNIT E- BAND	VCWF	250	75	150	150	131.88	5.69	0.6	0.08	0.7	90	1
VAV-F1	TRANE	10"	UNIT F- PLTW/AG	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-F2	TRANE	10"	UNIT F- PLTW/AG	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-F3	TRANE	10"	UNIT F- PLTW/AG	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-F4	TRANE	10"	UNIT F- PLTW/AG	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-F5	TRANE	8"	UNIT F- PLTW/AG	VCWF	600	180	400	150	124.89	15.18	1.21	0.38	0.13	90	2
VAV-F6	TRANE	12"	UNIT F- PLTW/AG	VCWF	2000	600	1100	150	121.96	41.75	2.98	0.69	0.5	90	2
VAV-F7	TRANE	12"	UNIT F- PLTW/AG	VCWF	2000	600	1100	150	121.96	41.75	2.98	0.69	0.5	90	2
VAV-F8	TRANE	12"	UNIT F- PLTW/AG	VCWF	2000	600	1100	150	121.96	41.75	2.98	0.69	0.5	90	2
VAV-F9	TRANE	12"	UNIT F- PLTW/AG	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-F10	TRANE	8"	UNIT F- PLTW/AG	VCWF	800	240	500	150	127.99	18.98	1.73	0.6	0.25	90	2
VAV-G1	TRANE	10"	UNIT G- POOL LKRM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-G2	TRANE	10"	UNIT G- POOL LKRM	VCWF	1200	400	900	150	122.72	34.16	2.51	0.54	1.0	90	2
VAV-G3	TRANE	10"	UNIT G- POOL LKRM	VCWF	1400	420	800	150	119.3	30.37	1.98	0.68	0.65	90	2
VAV-G4	TRANE	6"	UNIT G- POOL LKRM	VCWF	400	120	220	150	143.63	5.25	2.63	0.28	9.32	90	2
VAV-J1	TRANE	12"	UNIT J-ART	VCWF	2000	600	1100	150	121.96	41.75	2.98	0.69	0.5	90	2
VAV-J2	TRANE	12"	UNIT J-ART	VCWF	1600	480	1100	150	131.96	41.75	2.98	0.49	0.5	90	2
VAV-J3	TRANE	12"	UNIT J-ART	VCWF	1600	48	1100	150	131.96	41.75	2.98	0.49	0.5	90	2

PARALLEL FAN POWERED BOX SCHEDULE

MARK	MANUFACTURER	EQUAL	AREA SERVED	INLET SIZE	MODEL	FAN HP	HEATING CFM	COOLING CFM		HOT WATER COIL								ELECTRICAL			REMARKS
								MAX	MIN	EWT (°F)	LWT (°F)	REQ' MBH	GPM	WPD (FT.)	APD (IN.)	LAT (°F)	ROWS	VOLTAGE	FLA	MOP	
FPB-A1	TRANE		A101 PUBLIC VESTIBULE	8"	VPWF	0.33	800	800	240	150								115/60/1	3	15	

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR
DATE: JANUARY 16, 2024
SHEET NAME: MECHANICAL SCHEDULES
SHEET: M602
COMM #: 2265

1/16/2024 12:36:28 PM

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	ESP IN. WC	ELECTRICAL	HP	BHP	FAN RPM	CURB SIZE	ROOF OPENING	AREA SERVED	CONTROL	NOTES
OAI	COOK	GI											
PRE-A1	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	A163,164 TOILET	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A2	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	A165 CUST., A166 ELEC.	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A3	COOK	ACED-100	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	A110,114,116 TOILET	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A4	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	A112 WORK RM.	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A5	COOK	ACED-90	150	0.5	115/60/1	0.125	72.9W	1309	16.5x16.5x13.5H	13.5x13.5	A122 CUST.	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A6	COOK	ACED-100	500	0.5	115/60/1	0.125	132.0W	1550	16.5x16.5x13.5H	13.5x13.5	A127 NURSE, A129,130 TOILET	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A7	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	A144, A142 TOILET	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A8	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	A131, A132 TOILET	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A9	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	A139 COFFEE	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-A10	COOK	ACED-90	200	0.75	115/60/1	0.125	81.0W	1550	16.5x16.5x13.5H	13.5x13.5	A136 TOILET	LIGHTS/BMS	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-B1	COOK	ACED-90	150	0.5	115/60/1	0.125	72.9W	1309	16.5x16.5x13.5H	13.5x13.5	B136 TOILET	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-B2	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	B140 TOILET	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-B3	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	B146 BOYS, B14 GIRLS	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-B4	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	B128 WOMEN, B129 WORK RM, B130 MEN	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C1	COOK	VCRD-135	1100	0.75	115/60/1	0.5	0.241	1232	18.5x18.5x13.5H	15.5x15.5	C140 SCIENCE PREP	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C2	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C3	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	C106 ELC. RM.	THERMOSTAT	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C4	COOK	VCRD-135	1100	0.75	115/60/1	0.5	0.241	1232	18.5x18.5x13.5H	15.5x15.5	C127 SCIENCE	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C5	COOK	VCRD-135	1100	0.75	115/60/1	0.5	0.241	1232	18.5x18.5x13.5H	15.5x15.5	C126 SCIENCE	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C6	COOK	ACED-120	1500	0.5	115/60/1	0.333	0.302	1642	18.5x18.5x13.5H	15.5x15.5	C130 SCIENCE	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C7	COOK	VCRD-135	1100	0.75	115/60/1	0.5	0.241	1232	18.5x18.5x13.5H	15.5x15.5	C128 SCIENCE PREP	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C8	COOK	ACED-120	1500	0.5	115/60/1	0.333	0.302	1642	18.5x18.5x13.5H	15.5x15.5	C131 SCIENCE	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C9	COOK	ACED-120	1500	0.5	115/60/1	0.333	0.302	1642	18.5x18.5x13.5H	15.5x15.5	C134 SCIENCE	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C10	COOK	ACED-165	2002	0.5	115/60/1	0.333	0.384	1023	22.5x22.5x13.5H	19.5x19.5	C139 CHEM. LAB	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C11	COOK	ACED-120	1500	0.5	115/60/1	0.333	0.302	1642	18.5x18.5x13.5H	15.5x15.5	C127 SCIENCE	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C12	COOK	ACED-120	1500	0.5	115/60/1	0.333	0.302	1642	18.5x18.5x13.5H	15.5x15.5	C126 SCIENCE	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C13	COOK	ACED-100	500	0.5	115/60/1	0.125	132.0W	1550	16.5x16.5x13.5H	13.5x13.5	C121, C122	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C14	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C15	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C16	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C17	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C18	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C19	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C20	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	C139 CHEM. LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C21	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	C103, C104 R.R.	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C22	COOK	ACED-90	200	0.75	115/60/1	0.125	81.0W	1550	16.5x16.5x13.5H	13.5x13.5	C141 CHEMISTRY STORAGE	BMS	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C23	COOK	ACED-90	200	0.75	115/60/1	0.125	81.0W	1550	16.5x16.5x13.5H	13.5x13.5	C133 STORAGE	BMS	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-C24	COOK	ACED-90	200	0.75	115/60/1	0.125	81.0W	1550	16.5x16.5x13.5H	13.5x13.5	C132 SCIENCE	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C25	COOK	ACED-135	1800	0.65	115/60/1	0.5	0.395	1461	18.5x18.5x13.5H	13.5x13.5	C205 FOODS LAB	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C26	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	C204 STORAGE	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-C27	COOK	ACED-90	200	0.5	115/60/1	0.125	81.0W	1550	16.5x16.5x13.5H	13.5x13.5	C147 MACH.	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-D1	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	D111 CORRIDOR	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-D2	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	D105 WAREWASH	WAREWASH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-D3	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	D119 DRY STORAGE	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-D4	COOK	ACED-120	1500	0.5	115/60/1	0.333	0.302	1642	18.5x18.5x13.5H	15.5x15.5	D115 BOILER ROOM	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-E1	COOK	ACED-100	500	0.5	115/60/1	0.125	132.0W	1550	16.5x16.5x13.5H	15.5x15.5	E134, E141 R.R.	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-E2	COOK	ACED-135	1200	0.75	115/60/1	0.5	0.235	1238	18.5x18.5x13.5H	15.5x15.5	UNIT E BAND STORAGE	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-E3	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	AUD BOYS RR	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-E4	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	AUD RR	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-F1	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	F116 PLTW	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-F2	COOK	ACED-100	500	0.5	115/60/1	0.125	132.0W	1550	16.5x16.5x13.5H	13.5x13.5	F115 PLTW LAB	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-F3	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	F118 MULTI-PURPOSE	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-F4	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	F107 AG LAB	FUME HOOD SWITCH	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-F5	COOK	ACED-100	500	0.5	115/60/1	0.125	132.0W	1550	16.5x16.5x13.5H	15.5x15.5	F113 ELEC. ROOM	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-F6	COOK	ACED-100	500	0.5	115/60/1	0.125	132.0W	1550	16.5x16.5x13.5H	15.5x15.5	F119 MECH ROOM	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-G1	COOK	VCRD-195	7300	1.5	460/60/3	5.0	4.61	1729	28.5x28.5x13.5H	25.5x25.5	G124 POOL EVACUATION SYSTEM	BMS	ABS,DS,GBDD, ALCB,DD,HB,VFD,PF
PRE-G2	COOK	ACED-90	150	0.5	115/60/1	0.125	83.0W	1309	16.5x16.5x13.5H	13.5x13.5	G126 KITCHENETTE	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-G3	COOK	ACED-90	150	0.5	115/60/1	0.125	83.0W	1309	16.5x16.5x13.5H	13.5x13.5	G119 STORAGE	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-G4	COOK	VCRD-120	1100	0.5	115/60/1	0.25	0.194	1394	18.5x18.5x13.5H	15.5x15.5	G132 POOL EQUIP.	BMS	ABS,DS,GBDD, ALCB,EXPL,DD,HB,FSC,PF
PRE-G5	COOK	ACED-100	500	0.5	115/60/1	0.125	132.0W	1550	16.5x16.5x13.5H	15.5x15.5	G131 POOL STOR.	BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-H1	COOK	ACED-120	800	0.5	115/60/1	0.25	0.104	1147	18.5x18.5x13.5H	15.5x15.5	H128,129 R.R.	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-H2	COOK	ACED-150	2400	0.5	115/60/1	0.75	0.493	1336	18.5x18.5x13.5H	15.5x15.5	H120,123 LOCKERS	LIGHTS/BMS	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-J1	COOK	ACED-90	150	0.5	115/60/1	0.125	72.9W	1309	16.5x16.5x13.5H	13.5x13.5	J129 DARK RM.	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-J2	COOK	ACED-90	300	0.5	115/60/1	0.125	83.0W	1440	16.5x16.5x13.5H	13.5x13.5	J133 KILN	THERMOSTAT	ABS,DS,GBDD,ALCB,DD,HB,FSC
PRE-J3	COOK	ACED-135	1500	0.5	115/60/1	0.5	0.241	1239	18.5x18.5x13.5H	15.5x15.5	J134 ART	WALL SWITCH	ABS,DS,GBDD,ALCB,DD,HB,FSC
REF-A1	COOK	ACED-165	4500	0.5	460/60/3	2.0	1.59	1733	22.5x22.5x13.5H	19.5x19.5	A133 L.M.C.	PRESSURE SENSOR/BMS	ABS,DS,MBDD,ALCB,DD,HB,VFD
REF-B1	COOK	ACEB-330	15000	0.5	460/60/3	5.0	4.84	1725	40.5X40.5X13.5H	37.5x37.5	B143 CORRIDOR	PRESSURE SENSOR/BMS	ABS,DS,MBDD,ALCB,DD,HB,VFD
REF-B2	COOK	ACEB-330	15000	0.5	460/60/3	5.0	4.84	1725	40.5X40.5X13.5H	37.5x37.5	B131 CORRIDOR	PRESSURE SENSOR/BMS	ABS,DS,MBDD,ALCB,DD,HB,VFD
REF-C1	COOK	ACEB-330	14000	0.5	460/60/3	5.0	4.13	1725	40.5X40.5X13.5H	37.5x37.5	C154 CORRIDOR	PRESSURE SENSOR/BMS	ABS,DS,MBDD,ALCB,DD,HB,VFD
REF-C2	COOK	ACEB-330	14000	0.5	460/60/3	5.0	4.13	1725	40.5X40.5X13.5H	37.5x37.5	C129 CORRIDOR	PRESSURE SENSOR/BMS	ABS,DS,MBDD,ALCB,DD,HB,VFD
REF-D1	COOK	ACEB-330	14000	0.5	460/60/3	5.0	4.13	1725	40.5X40.5X13.5H	37.5x37.5	D101 CAFETERIA	PRESSURE SENSOR/BMS	ABS,DS,MBDD,ALCB,DD,HB,VFD
REF-G1	COOK	ACED-120	1500	0.5	460/60/3	0.5	0.302	1642	18.5x18.5x13.5H	15.5x15.5	G120 WEIGHT	PRESSURE SENSOR/BMS	ABS,DS,MBDD,ALCB,DD,HB,VFD

REMARKS:
AP ADJUSTABLE PULLEY
ABS ALUMINUM BIRD SCREEN
DS DISCONNECT SWITCH
GBDD GRVITY BACKDRAFT DAMPER
MBDD MOTORIZED BACKDRAFT DAMPER
ALCB ALUMINUM CURB 1 1/2" INSULATION
2S 2 SPEED MOTOR
INL INLINE FAN

EXPL EXPLOSION PROOF MOTOR, AMCA CLASS "B" SPARK RESISTANT CONSTRUCTION.
AMF ALTERNATE MOUNTING FLANGE.
DD DIRECT DRIVE MOTOR
IO INPUT AND OUTPUT FILTER.
VFD VERIABLE FREQUENCY DRIVE(SIMPLIDRIVE WITH BACNET).
HB HINGED BASE
ISO HANGING ISOLATOR KIT
FSC FAN SPEED CONTROL
PF PHENOLIC FINISH

CABINET HEATER AND RECESSED HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	STYLE/SIZE	NOMINAL CFM	MBH	CABINET STYLE	GPM	POWER	HP	AMPS	SUPPLY	RETURN	REMARKS
CH-A1	TRANE		HB040	500	29.9	VERTICAL RECESSED	2.52	115/60/1	0.125	2.75	BS	FS	1, 2, 3, 4
CH-A2	TRANE		HB040	500	29.9	VERTICAL RECESSED	2.52	115/60/1	0.125	2.75	BS	FS	1, 2, 3, 4
CH-A3	TRANE		HB040	500	29.9	VERTICAL RECESSED	2.52	115/60/1	0.125	2.75	BS	FS	1, 2, 3, 4
CH-A4	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-B1	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-B2	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-C1	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-C2	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-C3	TRANE		EB020	200	13.33	HORIZONTAL RECESSED	1.15	115/60/1	0.014	2.75	BS	BS	1, 2, 3
CH-C4	TRANE		EB020	200	13.33	HORIZONTAL RECESSED	1.15	115/60/1	0.014	2.75	BS	BS	1, 2, 3
CH-D1	TRANE		DB020	300	14.88	HORIZONTAL CONCEALED	1.28	115/60/1	0.03	2.75	FD	BD	1, 2, 3
CH-D2	TRANE		EB080	800	48.53	HORIZONTAL RECESSED	4.05	115/60/1	0.145	3.88	BS	BS	1, 2, 3
CH-D3	TRANE		EB020	200	13.33	HORIZONTAL RECESSED	1.15	115/60/1	0.014	2.75	BS	BS	1, 2, 3
CH-F1	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-F2	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-G1	TRANE		HB040	500	29.9	VERTICAL RECESSED	2.52	115/60/1	0.125	2.75	BS	FS	1, 2, 3, 4
CH-G2	TRANE		HB040	500	29.9	VERTICAL RECESSED	2.52	115/60/1	0.125	2.75	BS	FS	1, 2, 3, 4
CH-H1	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-H2	TRANE		EB04	400	18.87	HORIZONTAL RECESSED	1.62	115/60/1	0.130	2.75	BS	BS	1, 2, 3
CH-H3	TRANE		EB0801	1000	40.28	HORIZONTAL RECESSED	3.36	115/60/1	0.246	3.88	BS	BS	1, 2, 3

UNIT HEATER SCHEDULE

MARK	MANUFACTURER	AREA SERVED	MODEL	NOMINAL CFM	MBH	GPM	POWER	HP	MCA	REMARKS
UH-D1	TRANE	D115 BOILER ROOM	S-24	450	17.4	1.8	115/60/1	16W		1,2,3
UH-F1	TRANE	F119 MECHANICAL	S-24	450	17.4	1.8	115/60/1	16W		1,2,3
UH-F2	TRANE	F113 ELECTRICAL	S-24	450	17.4	1.8	115/60/1	16W		1,2,3
UH-G1	TRANE	G132 POOL EQUIP.	S-24	450	17.4	1.8	115/60/1	16W		1,2,3
UH-G2	TRANE	G134 POOL CHEM.	S-08	210	6.8	0.8	115/60/1	16W		1,2,3
UH-G3	TRANE	G133 POOL CHEM.	S-08	210	6.8	0.8	115/60/1	16W		1,2,3
UH-G4	TRANE	G150 ELEC.	S-08	210	6.8	0.8	115/60/1	16W		1,2,3
UH-G5	TRANE	G131 POOL STOR.	S-08	210	6.8	0.8	115/60/1	16W		1,2,3
UH-H1	TRANE	H127 J.C.	S-08	210	6.8	0.8	115/60/1	16W		1,2,3

REMARKS:
1. T.C.C. TO PROVIDE WALL-MOUNTED THERMOSTAT
2. PROVIDE FACTORY MOUNTED TOGGLE NON-FUSED DISCONNECT SWITCH
3. UNITS SIZED AT 150 DEG F EWT, 25% PROPYLENE GLYCOL.
4. CUSTON COLOR IS REQUIRED TO BE AVAILABLE.

POSITIONS:
FD FRONT DUCT
BD BACK DUCT
TQ TOP QUAD
FS FRONT STAMP
BP BACK PLENUM
BS BOTTOM STAMP
FQ FRONT QUAD
BT BOTTOM TOE SPACE

GRAVITY RELIEF VENT SCHEDULE

MARK	MANUFACTURER/ MODEL	SIZE	HOOD SIZE	HOOD HEIGHT	ROOF CURB HEIGHT	OUTLET TO THROAT RATIO	REMARKS
GRV-C1	COOK / GR	48" X 48"	64" X 72"	20	13.5	2:1	1, 3, 4, 6, 7
GRV-G1	COOK / GR	30" x 30"	40" X 48"	16	13.5	2:1	1, 3, 4, 6, 7

REMARKS:
1. ALUMINUM ROOF CURB WITH WOOD NAILER
2. GRAVITY BACKDRAFT DAMPER
3. ALUMINUM BIRD SCREEN
4. HINGED BASE
5. INSECT SCREEN
6. PROVIDE WITH DRIP PAN UNDER UNIT
7. T.C.C. TO PROVIDE MOTORIZED BACKDRAFT DAMPER

DUST COLLECTOR SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	ESP IN. WC	HP	ELECTRICAL	WEIGHT	REMARKS
DC-1	MICRO AIR	RP4	2200	11.50	10.0	460/60/3 & 115/60/1	1315	

REMARKS:
1. (4) HIGH EFFICIENCY CARTRIDGE FILTERS WITH 140FTSQ EA.
2. 10 HP WITH VFD DRIVE FOR BALANCING.
3. INLET BOX.
4. FAN SILENCER.
5. 14 GAGE CONSTRUCTION.
6. COMPRESSED AIR CLEANING SYSTEM.
7. REMOTE CONTROL PANEL FOR ON/OFF. PROVIDE VFD DRIVE INTEGRAL TO PANEL.
8. EXLOSION VENT KIT FOR CABINET.
9. (1) 55 GALLON STEEL BARREL.
10. FILTER CHANGE GAUGE.
11. (1) NRV EXPLOSION ISOLATION DAMPER CONTROL PANEL SIMILAR TO "ECOMAXX NRV".
12. (2) STAGE COMPRESSED AIR DRYER / REGULATOR.
13. HOPPER TO BE 14 GAGE WITH 10" DIAMETER OUTLET.
14. SPARK DETECTION SYSTEM SIMILAR TO "ECOMAXX SPARK DETECTION AND SUPPRESSION SYSTEM CONTROL PANEL" WITH TERMINALS FOR MICROSWITCH CONNECTION, CIRCUIT FOR DUST LEVEL SENSOR, SYSTEM SHUTDOWN, NEMA 4 ENCLOSURE, 120V POWER RATED, SPARK DETECTOR (EM-FCS-SD) & MOUNTING KIT(EM-FCS-MK), EXTERNAL TEST LAMP EM-FCS-TL MOUNTING KIT, SPARK EXTINGUISHING GROUP 1" 24VDC SOLENOID VALVE, 1" WATER FILTER, (1) PRESSURE SWITCH, BALL VALVE WITH MICRO SWITCH, ELECTRICAL BOX, TUGGE2 HOSE KIT WITH CONNECTORS AND (2) 3/4" S.S. CONE JET NOZZLES WITH SHUTTERS AND DUCT MOUNTS. RATED FOR 15.83 GPM AT 75.2 PSI.
15. (1) NOISE ATTENUATOR.
16. COMPLETE DUCT PACKAGE AS LISTED BELOW AND SHOWN ON PLANS AND DETAILS.
17. MECHANICAL CONTRACTOR REQUIRED TO COORDINATED ALL NECESSARY POWER AND CONTROL WIRING FOR A COMPLETE SYSTEM AND BIDDING.

DUCKWORK PACKAGE INCLUDES ALL DUCT COMPONENTS SIZED AND DESIGNED IN ACCORDANCE WITH NFPA REQUIREMENTS. CLAMP TOGETHER DUCTWORK AVAILABLE IN DIAMETERS OF 3" TO 24", ADJUSTABLE NIPPLES AND COLLARS ATTACHED TO OTHER COMPONENTS WILL HAVE ONE OR BOTH ENDS DIE FORM ROLLED TO PROVIDE A UNIFORM EDGE AROUND THE CIRCUMFERENCE OF THE ROLLED END. ALL CONNECTIONS WILL HAVE A GASKET IN THE SEAL. THE SINGLE LEVER CLAMP IS OF SIMILAR DUCT MATERIAL. THE PIPE AND ADJUSTABLE NIPPLES HAVE A LONGITUDINAL SEAM LASER WELDED TO ALLOW FOR A TIGHTER SLIP JOINT AND REDUCE SYSTEM PRESSURE LOSES.
ALL LASER WELDS UNDERGO A LIGHT TEST TO ENSURE THERE ARE NO VOIDS OR IMPERFECTIONS IN THE SYSTEM. PIPE LENGTHS USING LASER WELDED SEAMS WILL NOT EXCEED A NOMINAL 60" LENGTH. THE ROLLED EDGES PROVIDE STRUCTURAL SUPPORT AT 5' INTERVALS OR LESS AND CAN BE INTERPRETED AS A STIFFENER WHERE SMACNA SPECIFICATIONS ARE REQUIRED.
AN ADJUSTABLE NIPPLE IS USED FOR ADJUSTMENT DURING THE INSTALL PROCESS. ALL STANDARD ELBOWS HAVE A CENTERLINE RADII OF 1.5 X DIAMETER. STANDARD ELBOWS 3" TO 7" ARE PRESSED FORMED, AND 8" AND LARGER ARE GORED CONSTRUCTION WITH A LOCK FORM STANDING SEAM EVERY 15°. BRANCH FITTINGS ARE PRODUCED TO HAVE A CONCENTRIC DESIGN, AS THEY TAPER TO A SPECIFIC DIMENSION. JOINTS ARE LAPPED, SPOT WELDED, CLEANED AND PAINTED WITH INDUSTRIAL TOUGH COAT, ACRYLIC ENAMEL #1760 ALUMINUM. SEAMS ARE SEALED WITH SEALANT.
FITTING GAUGES VARY FROM 22 TO 20 GAUGE, DEPENDING ON THE CONFIGURATION OR THE BRANCH OR FITTING. ALL BRANCHES ARE PRODUCED ON A 45° ANGLE. ALL HOODS, FLOOR SWEEPS AND FITTINGS ARE AVAILABLE WITH ROLLED EDGES. MAXIMUM NEGATIVE PRESSURE IS -40".

KILN VENT FAN

MARK	MANUFACTURER	MODEL	CFM	ESP IN. WC	AMPS	ELECTRICAL	WEIGHT	REMARKS
KV-1	SKUTT	ENVIROVENT 2	140		1.4	115/60/1		1,2,3,4,5,6,7,8,9,10
KV-2	SKUTT	ENVIROVENT 2	140		1.4	115/60/1		1,2,3,4,5,6,7,8,9,10

REMARKS:
1. BLOWER MOTOR WITH 6' POWER CORD W/IN-LINE SWITCH.
2. 8"x12" MOUNTING PLATE.
3. 8FTx3" FLEXIBLE ALUMINUM DUCT.
4. SPRING LOADED PLENUM CUP ASSEMBLY STAND AND SPRING.
5. 14 GAGE CONSTRUCTION.
6. BLOWER INLET TUBE.
7. 3" TO 4" CONNECTORS.
8. FLOOR MOUNT PLATE.
9. MOUNTING HARDWARE.
10. ENVIROLINK MODULE TO ENERGIZE VENT WITH KILN OPERATION.

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR
DATE: JANUARY 16, 2024
SHEET NAME: MECHANICAL SCHEDULES

SHEET: **M603**
COMM #: 2265

1/16/2024 12:36:32 PM

AIR HANDLING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL/SIZE	AREA SERVED	TOTAL CFM	OA CFM	SUPPLY FAN RPM	SUPPLY FAN ESP	SUPPLY FAN FAN BHP	SUPPLY FAN FAN HP	RETURN FAN RPM	RETURN FAN ESP	RETURN FAN FAN BHP	RETURN FAN FAN HP	HEATING COIL EDB	HEATING COIL LDB	HEATING COIL EWT	HEATING COIL LWT	HEATING COIL GPM	HEATING COIL WPD	HEATING COIL ROWS	HEATING COIL FINS/FT	HEATING COIL FLUID TYPE	HEATING COIL MBH	CHILLED WATER COIL EDB	CHILLED WATER COIL EWB	CHILLED WATER COIL LDB	CHILLED WATER COIL EWT	CHILLED WATER COIL LWT	CHILLED WATER COIL GPM	CHILLED WATER COIL FLUID TYPE	CHILLED WATER COIL FINS/FT	CHILLED WATER COIL ROWS	CHILLED WATER COIL WPD	CHILLED WATER COIL SENS MBH	CHILLED WATER COIL TOTAL MBH	ELECTRICAL POWER	ELECTRICAL FLA	ELECTRICAL MOP	TOTAL WEIGHT	REMARKS
AHU-E1	TRANE	CSAA012	UNIT E- STAGE	6000	30%	1925	1.0	4.730	5.0					45	90	150	125	25.18	0.9 FT	2	135	PROPYLENE GLYCOL	292.82	80	67	55	42	57	34.54	PROPYLENE GLYCOL	102	6	8.53 FT	165.35	234.04	460/3/60	8.42	15.0	2026 LB	1,2,3,4,5,8,10,11
AHU-E2	TRANE	CSAA030	UNIT E- AUD	16000	30%	1718	1.0	12.802	15					45 F	90 F	150 F	125 F	67.15	2.81 FT	2	119	PROPYLENE GLYCOL	780.84	80	67	55	42	57	88.58	PROPYLENE GLYCOL	104	8	7.29 FT	440.93	600.10	460/3/60	21.22	45.0	4514 LB	1,2,3,4,5,8,10,11
AHU-E3	TRANE	CSAA003	UNIT E- LKRM	1000	30%	3626	1.0	1.060	1.5					45	90	150	125	4.20	0.07 FT	4	122	PROPYLENE GLYCOL	48.90	80	67	55	42	57	5.54	PROPYLENE GLYCOL	161	6	6.32 FT	27.56	37.54	460/3/60	2.10	15.0	1165 LB	1,2,3,4,5,8,10,11
AHU-H1	TRANE	CSAA030	UNIT H- MAIN GYM	15000	30%	1896	1.0	13.039	15					45	90	150	125	62.95	2.63 FT	2	114	PROPYLENE GLYCOL	732.04	80	67	55	42	57	82.10	PROPYLENE GLYCOL	101	8	6.36 FT	413.37	556.19	460/3/60	21.22	45.0	4502 LB	1,2,3,4,5,8,10,11
AHU-H2	TRANE	CSAA030	UNIT H- MAIN GYM	15000	30%	1896	1.0	13.039	15					45	90	150	125	62.95	2.63 FT	2	114	PROPYLENE GLYCOL	732.04	80	67	55	42	57	82.10	PROPYLENE GLYCOL	101	8	6.36 FT	413.37	556.19	460/3/60	21.22	45.0	4502 LB	1,2,3,4,5,8,10,11
AHU-H3	TRANE	CSAA021	UNIT H- MAIN GYM	10000	30%	1756	0.5	6.833	7.5					45	90	150	125	41.97	1.66 FT	2	119	PROPYLENE GLYCOL	488.02	80	67	55	42	57	55.36	PROPYLENE GLYCOL	100	8	7.43 FT	275.58	375.04	460/3/60	11.22	20.0	2923 LB	1,2,3,4,5,8,10,11
AHU-H4	TRANE	CSAA021	UNIT H- MAIN GYM HANG	10000	30%	1764	0.5	6.953	7.5					45	90	150	125	41.97	1.66 FT	2	119	PROPYLENE GLYCOL	488.02	80	67	55	42	57	55.36	PROPYLENE GLYCOL	100	8	7.43 FT	275.58	375.04	460/3/60	11.22	20.0	2923 LB	1,2,3,4,5,8,10,11
AHU-J1	TRANE	CSAA010	UNIT J- WEIGHT	5000	30%	2213	1.5	4.561	5					45	90	150 F	125	20.98	0.75 FT	2	146	PROPYLENE GLYCOL	244.01	80	67	55	42	57	28.64	PROPYLENE GLYCOL	108	6	7.24 FT	137.79	194.00	460/3/60	8.42	15.0	1825 LB	1,2,3,4,5,8,10,11
AHU-J2	TRANE	CSAA014	UNIT J- HEALTH	6900	30%	2518	2.0	8.226	10					45	90	150	125	28.96	1.22 FT	2	131	PROPYLENE GLYCOL	336.74	80	67	55	42	57	38.23	PROPYLENE GLYCOL	125	8	5.79 FT	190.15	259.02	460/3/60	14.22	30.0	2321 LB	1,2,3,4,5,8,10,11
AHU-J3	TRANE	CSAA014	UNIT J-LOBBY	7200	30%	2151	0.65	6.381	7.5					45	90	150	125	30.22	1.32 FT	2	135	PROPYLENE GLYCOL	351.38	80	67	55	42	57	39.89	PROPYLENE GLYCOL	125	8	6.24 FT	198.29	270.29	460/3/60	11.22	20.0	2290 LB	1,2,3,4,5,8,10,11
AHU-J4	TRANE	CSAA035	UNIT J-GYM	16400	30%	2028	1.25	13.996	2X 7.5					45	90	150	125	68.83	2.64 FT	2	107	PROPYLENE GLYCOL	800.36	80	67	55	42	57	92.25	PROPYLENE GLYCOL	97	8	7.42 FT	451.95	625.95	460/3/60	21.0	45.0	5618 LB	1,2,3,4,5,8,10,11
AHU-J5	TRANE	CSAA014	UNIT J- WRESTLING	7200	30%	2231	1.25	7.264	7.5					45	90	150	125	30.22	1.32 FT	2	135	PROPYLENE GLYCOL	351.38	80	67	55	42	57	39.89	PROPYLENE GLYCOL	125	8	6.24 FT	198.42	270.29	460/3/60	11.22	20.0	2291 LB	1,2,3,4,5,8,10,11

REMARKS:
1. UNIT TO HAVE COMBINATION ANGLE TYPE FILTER MIXING BOX.
2. ALL FILTERS SHALL BE MERV 13 REPLACEABLE FIBREGLASS MEDIA WITH PERMANENT METAL FRAMES.
3. SUPPLY SIX (6) EXTRA SETS OF THROW-AWAY FILTERS FOR CONSTRUCTION.
4. PROVIDE SHOCK ISOLATORS.
5. FACTORY PROVIDED AND INSTALLED EXTERNAL COMBINATION VFD/ DISCONNECT ON EACH FAN.
6. EC SHALL PROVIDE AND TERMINATE 3 460V CIRCUITS TO UNIT (SUPPLY, EXHAUST & ENERGY WHEEL)
7. CONTROL VALVE ON COOLING COIL - 2 WAY 2-POSITION. CONTROL VALVE ON HEATING - 2 WAY MODULATING.
8. CONTROL VALVES - 2-WAY MODULATING ON COOLING AND HEATING COILS.
9. PROVIDE WITH INTERNAL FACE AND BYPASS.
10. PROVIDE WITH MAXIMUM FACTORY SPLITS TO FACILITATE INSTALLATION REQUIREMENTS.
11. PROVIDE WITH EXTENDED 8" RAILS.

HF = HORIZONTAL FLOOR MOUNT TYPE
HH = HORIZONTAL HUNG MOUNT TYPE
VF = VERTICAL FLOOR MOUNT TYPE
VH = VERTICAL HUNG MOUNT TYPE

ALTERNATE NO. 9

FAN COIL SCHEDULE

MARK		MANUFACTURER	MODEL / SIZE	SIZE	TOTAL CFM	OA CFM	SUPPLY FAN RPM	SUPPLY FAN ESP	SUPPLY FAN FAN BHP	SUPPLY FAN FAN HP	HEATING COIL EDB	HEATING COIL LDB	HEATING COIL EWT	HEATING COIL LWT	HEATING COIL GPM	HEATING COIL WPD	HEATING COIL ROWS	HEATING COIL FINS/FT	HEATING COIL FLUID TYPE	HEATING COIL MBH	CHILLED WATER COIL EDB	CHILLED WATER COIL EWB	CHILLED WATER COIL LDB	CHILLED WATER COIL EWT	CHILLED WATER COIL LWT	CHILLED WATER COIL GPM	CHILLED WATER COIL FLUID TYPE	CHILLED WATER COIL FINS/FT	CHILLED WATER COIL WPD	CHILLED WATER COIL SENS MBH	CHILLED WATER COIL TOTAL MBH	CHILLED WATER COIL ROWS	ELECTRICAL POWER	ELECTRICAL MCA	ELECTRICAL MOP	TOTAL WEIGHT	REMARKS
HCFC-D1		TRANE	FCBB04	04	400	5%	1517	0.0	0.086	0.130	50.0	83.8	150.0	136.1	2.2	12.2	1		25% PROPYLENE	14.7	80.0	67.0	59.6	45.0	55.0	2.2	25" PROPYLENE		8.8		10.33	3	115/60/1	2.75	15	125	2,3,4,5,6,7,9
HCFC-G1		Trane	FCEB02	02	200	10%	1185	0.25	0.034	0.130	60.0	89.8	150.0	125.0	0.56	0.88	1		25% ETHLYENE	6.45	80.0	67.0	63.3	45.0	55.0	0.96	25% ETHYLENE		6.07	3.65	4.33	2	115/60/1	2.75	15	78.0	1, 2, 3, 4, 8
HCFC-G2		Trane	FCEB02	02	200	10%	1185	0.25	0.034	0.130	60.0	89.8	150.0	125.0	0.56	0.88	1		25% ETHLYENE	6.45	80.0	67.0	63.3	45.0	55.0	0.96	25% ETHYLENE		6.07	3.65	4.33	2	115/60/1	2.75	15	78.0	1, 2, 3, 4, 8
HCFC-G3		Trane	FCEB02	02	200	10%	1185	0.25	0.034	0.130	60.0	89.8	150.0	125.0	0.56	0.88	1		25% ETHLYENE	6.45	80.0	67.0	63.3	45.0	55.0	0.96	25% ETHYLENE		6.07	3.65	4.33	2	115/60/1	2.75	15	78.0	1, 2, 3, 4, 8

BLOWER COIL SCHEDULE

MARK	MANUFACTURER	MODEL/SIZE	TOTAL CFM	OA CFM	SUPPLY FAN RPM	SUPPLY FAN ESP	SUPPLY FAN FAN BHP	SUPPLY FAN FAN HP	HEATING COIL EDB	HEATING COIL LDB	HEATING COIL EWT	HEATING COIL LWT	HEATING COIL GPM	HEATING COIL WPD	HEATING COIL ROWS	HEATING COIL FINS/FT	HEATING COIL MBH	CHILLED WATER COIL EDB	CHILLED WATER COIL EWB	CHILLED WATER COIL LDB	CHILLED WATER COIL EWT	CHILLED WATER COIL LWT	CHILLED WATER COIL GPM	CHILLED WATER COIL FLUID TYPE	CHILLED WATER COIL FINS/FT	CHILLED WATER COIL WPD	CHILLED WATER COIL SENS MBH	CHILLED WATER COIL TOTAL MBH	CHILLED WATER COIL ROWS	ELECTRICAL POWER	ELECTRICAL FLA	ELECTRICAL MOP	TOTAL WEIGHT	REMARKS
BC-H1	TRANE	BCVE036	1200	30%	1725	1.0	0.736	1	50	92.10	150	125	4.26	0.87 FT			53.31	80	67	60.66	42	57	4.51	PROPELYNE GLYCOL		2.19 FT	24.97	29.48		115/60/1	2.5 A	15.00 A	194.7 LB	
BC-H2	TRANE	BCVE060	2400	30%	1418	1.0	1.782	3	65	86.03	150	118.66	3.18	0.35 FT			53.18	75	65	61.04	42	57	6.69	PROPELYNE GLYCOL		2.93 FT	36.04	41.65		115/60/1	5.5 A	15.00 A	314.8 LB	
BC-J1	TRANE	BCHE036	1200	30%	1707	0.75	0.805	1	45	89.47	150	91.90	1.84	0.96 FT			56.31	80	67	64.05	42	57	3.28	PROPELYNE GLYCOL		2.37 FT	19.63	20.24		115/60/1	13.3 A	25.00 A	275.3 LB	
BC-J2	TRANE	BCHE054	1600	30%	1246	0.75	0.701	1	45	91.57	150	112.97	1.84	1.44 FT			78.66													115/60/1	13.3 A	25.00 A	282.4 LB	
BC-J3	TRANE	BCHE054	1600	30%	1246	0.75	0.701	1	45	91.57	150	112.97	1.84	1.44 FT			78.66													115/60/1	13.3 A	25.00 A	282.4 LB	

REMARKS:
1. UNIT TO HAVE COMBINATION ANGLE TYPE FILTER MIXING BOX.
2. ALL FILTERS SHALL BE REPLACEABLE FIBREGLASS MEDIA WITH PERMANENT METAL FRAMES.
3. SUPPLY SIX (6) EXTRA SETS OF THROW-AWAY FILTERS FOR CONSTRUCTION.
4. PROVIDE SHOCK ISOLATORS.
5. FACTORY PROVIDED DISCONNECT.
6. PROVIDE WITH OUTSIDE AIR AND RETURN AIR DAMPERS AND ACTUATORS.
7. T.C.C TO PROVIDE CONTROL VALVES ON COOLING COIL - 2 WAY 2-POSITION. CONTROL VALVE ON HEATING - 2 WAY MODULATING.
8. T.C.C. TO PROVIDE CONTROL VALVES - 2-WAY MODULATING ON COOLING AND HEATING COILS.
9. PROVIDE WITH 6" FALSE BACK.

HF = HORIZONTAL FLOOR MOUNT TYPE
HH = HORIZONTAL HUNG MOUNT TYPE
VF = VERTICAL FLOOR MOUNT TYPE
VH = VERTICAL HUNG MOUNT TYPE

DIFFUSER, GRILLE AND REGISTER SCHEDULE

TYPE MARK		MANUFACTURER	TYPE-MODEL	SIZE (IN)	INLET (IN)	MATERIAL	COLOR	PATTERN	MOUNTING
A		TUTTLE BAILEY	T1100-SUPPLY DIFFUSER	24"x24"	6"	STEEL	BY ARCH	PLAQUE	GRID
AA		TUTTLE BAILEY	T1100-SUPPLY DIFFUSER	12"x12"	6"	STEEL	BY ARCH	PLAQUE	GRID
AAA		TUTTLE BAILEY	T54-SUPPLY GRILLE	6x6		STEEL	BY ARCH	2-VANE ADJUSTABLE	GRID
B		TUTTLE BAILEY	T1100-SUPPLY DIFFUSER	24"x24"	8"	STEEL	BY ARCH	PLAQUE	GRID
BB		Tuttle & Bailey	T54-SUPPLY GRILLE	30"X8"		STEEL	BY ARCH	2-VANE ADJUSTABLE	WALL
BBB		Tuttle & Bailey	T54-SUPPLY GRILLE	8"X8"		STEEL	BY ARCH	2-VANE ADJUSTABLE	WALL
C		TUTTLE BAILEY	T1100-SUPPLY DIFFUSER	24"x24"	10"	STEEL	BY ARCH	PLAQUE	GRID
CC		TUTTLE BAILEY	T1100-SUPPLY DIFFUSER	24"x24"	10"	ALUMINUM	BY ARCH	PLAQUE	GRID
D		TUTTLE BAILEY	T1100-SUPPLY DIFFUSER	24"x24"	12"	STEEL	BY ARCH	PLAQUE	GRID
E		TUTTLE BAILEY	P3 3-CONE- SUPPLY DIFFUSER		10"	STEEL	BY ARCH	3-CONE	
F		TUTTLE BAILEY	S1200-SUPPLY DIFFUSER	24"x24"	10"	STEEL	BY ARCH	2-CONE	GRID
G		TUTTLE BAILEY	T54-SUPPLY GRILLE	12"x12"		STEEL	BY ARCH	2-VANE ADJUSTABLE	WALL
GG		TUTTLE BAILEY	T54-SUPPLY GRILLE	14"x14"		STEEL	BY ARCH	2-VANE ADJUSTABLE	WALL
H		TUTTLE BAILEY	6000 SERIES SLOT DIFFUSER W/ PLENUM	48"x3 1/4"	8"	STEEL	BY ARCH	2-SLOT	GRID
HH		Tuttle & Bailey	AIR-TRAC SERIESSLOT DIFFUSER W/ PLENUM	48"X7 3/16"	8"	ALUMINUM	BY ARCH	2-SLOT	WALL
J		TUTTLE BAILEY	6000 SERIES SLOT DIFFUSER W/ PLENUM	72"x7 1/2"	10"	STEEL	BY ARCH	4-SLOT	GRID
JJ		Tuttle & Bailey	6000 SERIES SLOT DIFFUSER W/ PLENUM	48"x6 1/4"	10"	STEEL	BY ARCH	4-SLOT	GRID
JJJ		Tuttle & Bailey	AIR-TRAC SERIES SLOT DIFFUSER W/ PLENUM	60"x 7 3/16"	10"	ALUMINUM	BY ARCH	2-SLOT	WALL
K		TUTTLE BAILEY	STRJ-DRUM GRILLE W/EXTRACTOR	6"x12"		ALUMINUM	BY ARCH	SINGLE VANE ADJ.	DUCT
KK		Tuttle & Bailey	STRJ-DRUM GRILLE W/EXTRACTOR	6"X18"		ALUMINUM	BY ARCH	SINGLE VANE ADJ.	DUCT
KKK		TUTTLE BAILEY	STRJ-DRUM GRILLE W/EXTRACTOR	15"X25"		ALUMINUM	BY ARCH	SINGLE VANE ADJ.	DUCT
L		TUTTLE BAILEY	T70D-RETURN GRILLE	8"x8"		STEEL	BY ARCH	35 DEG	GRID
LL		Tuttle & Bailey	T70D-RETURN GRILLE	14"x6"		STEEL	BY ARCH	35 DEG	GRID
M		TUTTLE BAILEY	T70D-RETURN GRILLE	12"x12"		STEEL	BY ARCH	35 DEG	GRID
N		TUTTLE BAILEY	T70D-RETURN GRILLE	24"x24"		STEEL	BY ARCH	35 DEG	GRID
NN		Tuttle & Bailey	T70D-RETURN GRILLE	30"X24"		STEEL	BY ARCH	35 DEG	GRID
NNN		Tuttle & Bailey	T70D-RETURN GRILLE	48"X24"		STEEL	BY ARCH	35 DEG	GRID
O		TUTTLE BAILEY	T70D-RETURN GRILLE	16"x16"		STEEL	BY ARCH	35 DEG	GRID
P		Tuttle & Bailey	T70D-RETURN GRILLE	22"x22"		STEEL	BY ARCH	35 DEG	WALL
PP		TUTTLE BAILEY	T70D-RETURN GRILLE	48"X48"		STEEL	BY ARCH	35 DEG	WALL
Q		TUTTLE BAILEY	T70D-RETURN GRILLE	24"x14"		STEEL	BY ARCH	35 DEG	GRID
QQ		Tuttle & Bailey	T70D-RETURN GRILLE	24"x14"		STEEL	BY ARCH	38 DEG	GRID
U		TUTTLE BAILEY	T70D-RETURN GRILLE	24"X12"		STEEL	BY ARCH	35 DEG	GRID
UU		Tuttle & Bailey	T70D-RETURN GRILLE	24"X12"		STEEL	BY ARCH	38 DEG	WALL
V		TUTTLE BAILEY	T70D-RETURN GRILLE	10"x10"		STEEL	BY ARCH	35 DEG	GRID
VV		Tuttle & Bailey	T115D-RETURN GRILLE	18"X10"		STEEL	BY ARCH	38 DEG	WALL
R		TUTTLE BAILEY	T70D-EXHAUST GRILLE	8"X8"		STEEL	BY ARCH	35 DEG	GRID
S		TUTTLE BAILEY	T70D-EXHAUST GRILLE	10"x10"		STEEL	BY ARCH	35 DEG	GRID
T		TUTTLE BAILEY	T70D-EXHAUST GRILLE	12"x12"		STEEL	BY ARCH	35 DEG	GRID
W		TUTTLE BAILEY	T70D-EXHAUST GRILLE	14"x14"		STEEL	BY ARCH	35 DEG	GRID
X		TUTTLE BAILEY	T70D-EXHAUST GRILLE	12"x12"		STEEL	BY ARCH	35 DEG	GRID
Y		TUTTLE BAILEY	T70D-EXHAUST GRILLE	14"x14"		STEEL	BY ARCH	35 DEG	GRID
Z		TUTTLE BAILEY	T70D-EXHAUST GRILLE	24"x24"		STEEL	BY ARCH	35 DEG	GRID

HYDRONIC PIPING SCHEDULE

System Type	Size	Length	Material	System Classification
Chilled Water Return	1 1/2"ø	13.7	Copper	Hydronic Return
Chilled Water Return	1 1/4"ø	2087.7	Copper	Hydronic Return
Chilled Water Return	1"ø	308.2	Carbon Steel	Hydronic Return
Chilled Water Return	2 1/2"ø	8879.4	Copper	Hydronic Return
Chilled Water Return	2"ø	2863.4	Copper	Hydronic Return
Chilled Water Return	3"ø	5176.4	Copper	Hydronic Return
Chilled Water Return	3/4"ø	893.3	Copper	Hydronic Return
Chilled Water Return	4"ø	6219.0	Copper	Hydronic Return
Chilled Water Return	6"ø	10809.7	Carbon Steel	Hydronic Return
Chilled Water Return	8"ø	3889.1	Carbon Steel	Hydronic Return
Chilled Water Return	10"ø	3082.9	Carbon Steel	Hydronic Return
Chilled Water Supply	1 1/2"ø	22.4	Copper	Hydronic Supply
Chilled Water Supply	1 1/4"ø	2078.1	Copper	Hydronic Supply
Chilled Water Supply	2 1/2"ø	8873.2	Copper	Hydronic Supply
Chilled Water Supply	2"ø	2850.2	Copper	Hydronic Supply
Chilled Water Supply	3"ø	5231.8	Copper	Hydronic Supply
Chilled Water Supply	3/4"ø	894.1	Copper	Hydronic Supply
Chilled Water Supply	4"ø	6224.1	Copper	Hydronic Supply
Chilled Water Supply	6"ø	9470.0	Carbon Steel	Hydronic Supply
Chilled Water Supply	8"ø	4891.6	Carbon Steel	Hydronic Supply
Chilled Water Supply	10"ø	2757.8	Carbon Steel	Hydronic Supply
Heating Hot Water Return	1 1/2"ø	8592.2	Copper	Hydronic Return
Heating Hot Water Return	1 1/4"ø	11690.8	Copper	Hydronic Return
Heating Hot Water Return	1"ø	8200.8	Copper	Hydronic Return
Heating Hot Water Return	1/2"ø	18.3	Copper	Hydronic Return
Heating Hot Water Return	2 1/2"ø	8259.9	Copper	Hydronic Return
Heating Hot Water Return	2"ø	10244.3	Copper	Hydronic Return
Heating Hot Water Return	3"ø	4820.5	Copper	Hydronic Return
Heating Hot Water Return	3/4"ø	26273.6	Copper	Hydronic Return
Heating Hot Water Return	3/8"ø	1.2	Copper	Hydronic Return
Heating Hot Water Return	4"ø	13481.3	Copper	Hydronic Return
Heating Hot Water Return	5"ø	232.4	Carbon Steel	Hydronic Return
Heating Hot Water Return	6"ø	10648.5	Carbon Steel	Hydronic Return
Heating Hot Water Return	8"ø	376.8	Carbon Steel	Hydronic Return
Heating Hot Water Return	10"ø	177.4	Carbon Steel	Hydronic Return
Heating Hot Water Supply	1 1/2"ø	7754.2	Copper	Hydronic Supply
Heating Hot Water Supply	1 1/4"ø	11618.6	Copper	Hydronic Supply
Heating Hot Water Supply	1"ø	8157.8	Copper	Hydronic Supply
Heating Hot Water Supply	1/2"ø	18.9	Copper	Hydronic Supply
Heating Hot Water Supply	2 1/2"ø	8199.3	Copper	Hydronic Supply
Heating Hot Water Supply	2"ø	10328.4	Copper	Hydronic Supply
Heating Hot Water Supply	3"ø	4921.9	Copper	Hydronic Supply
Heating Hot Water Supply	3/4"ø	26612.1	Copper	Hydronic Supply
Heating Hot Water Supply	4"ø	13413.3	Copper	Hydronic Supply
Heating Hot Water Supply	5"ø	266.7	Carbon Steel	Hydronic Supply
Heating Hot Water Supply	6"ø	10244.3	Carbon Steel	Hydronic Supply
Heating Hot Water Supply	8"ø	497.6	Carbon Steel	Hydronic Supply
Heating Hot Water Supply	10"ø	154.4	Carbon Steel	Hydronic Supply

SPLIT SYSTEM AIR CONDITIONER (SSAC) SCHEDULE

MARK	MANUFACTURER	MODEL	NOMINAL TONS	HEATING CAPACITY	ELECTRICAL	MOP	USED WITH	LINE SIZES	WEIGHT	REMARKS
SSAC-A1	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-A1	BY MANUFACTURER	29.0	1,2
SSAC-A2	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-A2	BY MANUFACTURER	29.0	1,2
SSAC-B1	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-B1	BY MANUFACTURER	29.0	1,2
SSAC-C1	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-C1	BY MANUFACTURER	29.0	1,2
SSAC-D1	MITSUBISHI	PLA-A18EA8	1.5	23,000	BY CONDENSER		CU-D1	BY MANUFACTURER	46.0	1,2
SSAC-F1	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-F1	BY MANUFACTURER	29.0	1,2
SSAC-G1	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-G1	BY MANUFACTURER	29.0	1,2
SSAC-G2	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-G2	BY MANUFACTURER	29.0	1,2
SSAC-H1	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-H1	BY MANUFACTURER	29.0	1,2
SSAC-J1	MITSUBISHI	PKA-A12HA7	1.0		BY CONDENSER		CU-J1	BY MANUFACTURER	29.0	1,2

REMARKS:
1. SIZE REFRIGERANT PIPING PER MANUFACTURE'S RECOMMENDATION.
2. PROVIDE WITH CONDENSATE PUMP.

CONDENSING UNIT SCHEDULE

MARK		MANUFACTURER	MODEL	NOMINAL TONS	ELECTRICAL	MOP	USED WITH	LINE SIZES	WEIGHT	REMARKS
CU-A1		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-A1	BY MANUFACTURER	92.0	1,4,5,6
CU-A2		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-A2	BY MANUFACTURER	92.0	1,4,5,6
CU-B1		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-B1	BY MANUFACTURER	92.0	1,4,5,6
CU-C1		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-C1	BY MANUFACTURER	92.0	1,4,5,6
CU-D1		MITTSUBISHI	PUZ-A18NKA7	1.5	208/60/1	15.0	SSAC-D1	BY MANUFACTURER	100.0	1,4,5,6
CU-F1		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-F1	BY MANUFACTURER	92.0	1,4,5,6
CU-G1		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-G1	BY MANUFACTURER	92.0	1,4,5,6
CU-G2		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-G2	BY MANUFACTURER	92.0	1,4,5,6
CU-H1		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-H1	BY MANUFACTURER	92.0	1,4,5,6
CU-J1		MITTSUBISHI	PUY-A12NKA7	1.0	208/60/1	15.0	SSAC-J1	BY MANUFACTURER	92.0	1,4,5,6

REMARKS:
1. PROVIDE WITH LOW AMBIENT HEAD PRESSURE CONTROL
2. PROVIDE WITH VIBRATION ISOLATORS
3. PROVIDE AND INSTALL APR VALVE
4. PROVIDE WITH FACTORY WIND BAFFLE
5. PROVIDE OPTIONAL BACNET COMMUNICATIONS INTERFACE
6. PROVIDE WITH 18"H MINIMUM MOUNTING STAND

ELECTRIC WALL PANEL HEATER

GENERAL DATA						ELECTRICAL			
MARK		MANUFACTURER	MODEL	STYLE	MOUNTING	VOLTS	FLA	WATTS	REMARKS
EWP-G1		RUNTAL	EWP-8-208D	48"Wx24"H	WALL	208/60/1	7.4	1530	
EWP-G2		RUNTAL	EWP-8-208D	48"Wx24"H	WALL	208/60/1	7.4	1530	
EWP-G3		RUNTAL	EWP-8-208D	48"Wx24"H	WALL	208/60/1	7.4	1530	

REHEAT COIL SCHEDULE

MARK		MANUFACTURER	AIR SYSTEM	CFM	SIZE	EWT (F)	LWT (F)	EAT (F)	GPM	APD in W.C.	WPD ft W.C.	LAT (F)	COIL ROWS
HC-D1		TRANE	RTU-D1	6000	44"x16"	150.0	125.0	55.0	16.28	0.41	0.74	85.0	2
HC-D2		TRANE	RTU-D1	900	16"x12"	150.0	125.0	55.0	2.44	0.15	1.81	85.0	1
HC-D3		TRANE	RTU-D1	2250	26"x10"	150.0	125.0	55.0	6.10	0.422	5.39	85.0	2
HC-D4		TRANE	RTU-D1	3480	30"x16"	150.0	125.0	55.0	9.44	0.49	0.57	5.08	2
HC-D5		TRANE	RTU-D1	2250	26"x10"	150.0	125.0	55.0	6.10	0.422	5.39	85.0	2
HC-D6		TRANE	RTU-D1	2250	26"x10"	150.0	125.0	55.0	6.10	0.422	5.39	85.0	2
HC-D7		TRANE	RTU-D1	1600	20"x14"	150.0	125.0	55.0	4.34	0.45	0.38	85.0	2

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: HUSAR
DATE: JANUARY 16, 2024
SHEET NAME: MECHANICAL SCHEDULES
SHEET: M604
COMM #: 2265

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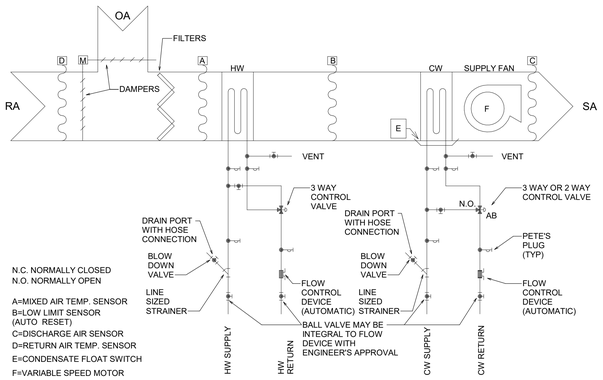
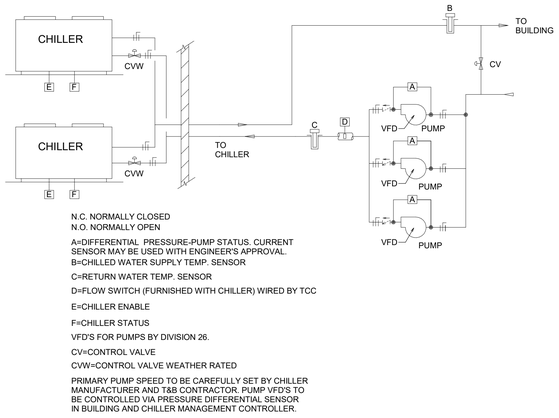


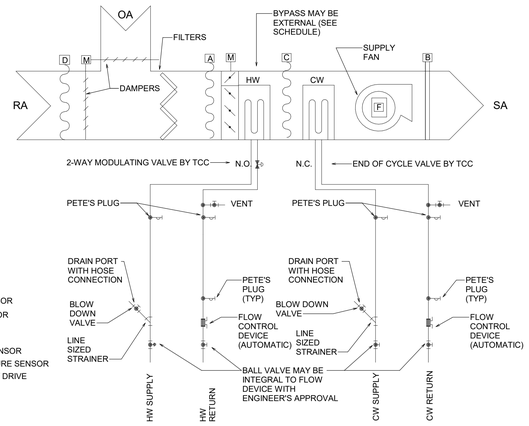
7 / M701 TYPICAL H.W./C.W. COIL SCHEMATIC

NOT TO SCALE



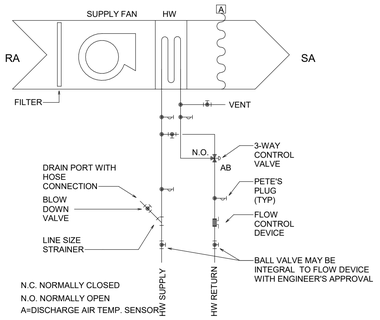
9 / M701 TYPICAL CHILLED WATER VARIABLE/PRIMARY PIPING

NOT TO SCALE



5 / M701 AHU'S & RTU'S AS SCHEDULED

NOT TO SCALE



6 / M701 TYPICAL CH SCHEMATIC

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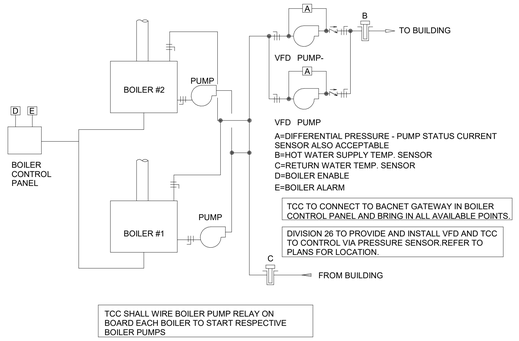
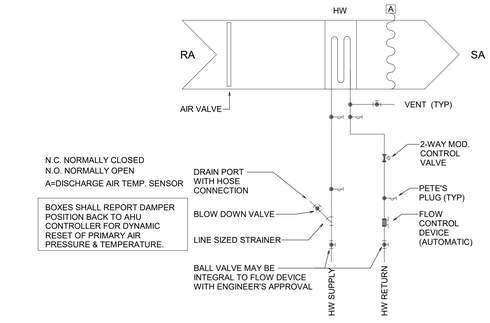


8 / M701 TYPICAL HEATING WATER CONTROL SCHEMATIC

NOT TO SCALE



1 / M701 TYPICAL VAV SCHEMATIC

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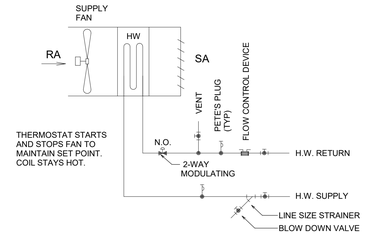

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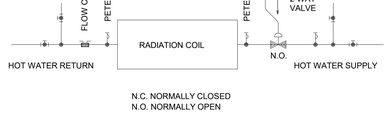
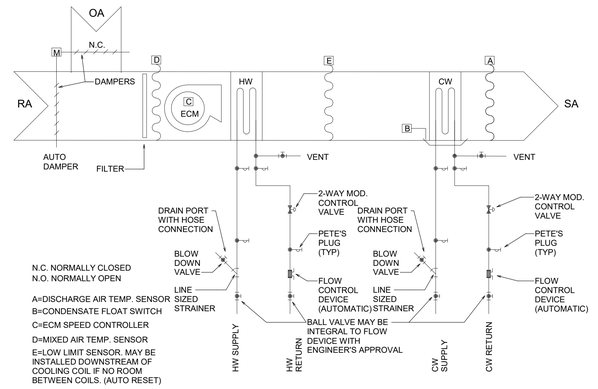


3 / M701 TYPICAL RADIATION & CONVECTOR SCHEMATIC

NOT TO SCALE



4 / M701 TYPICAL FANCOIL/BLOWER COIL SCHEMATIC

NOT TO SCALE

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

⚠	INDICATES REVISION AND DATE
DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	MECHANICAL CONTROL & SCHEMATICS
SHEET:	M701
COMM #:	2265

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DEMOLITION/RENOVATION GENERAL NOTES

INCLUDE IN BID PROPOSAL ALL COSTS FOR CUTTING AND PATCHING REQUIRED TO INSTALL NEW OR REMOVE EXISTING WORK, EQUIPMENT OR SYSTEMS IN THE BUILDING. IF NEW FINISHES ARE NOT INCLUDED BY OTHERS IN THIS PROJECT IN RENOVATED PORTION OF THE FACILITY, THEN THIS CONTRACTOR MUST RESTORE FINISHES TO MATCH SURROUNDING UNDAMAGED SURFACES.

DURING REMOVAL OF ITEMS SO INDICATED, CAUTION SHALL BE USED TO PREVENT DAMAGE TO ANY EQUIPMENT HAVING SALVAGE VALUE. ALL REUSABLE SALVAGED MATERIAL SHALL REMAIN PROPERTY OF THE OWNER AND BE RETAINED FOR HIS INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. ALL OTHER ITEMS SHALL BE TURNED OVER AND DEPOSITED AS DIRECTED BY THE OWNER.

EXISTING DUCT, PIPING, AND EQUIPMENT SHOWN IS BASED ON EXISTING DRAWINGS AND FIELD SURVEY. THIS CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AFFECTED AND NOTIFY ENGINEER IF THEY ARE NOT AS INDICATED.

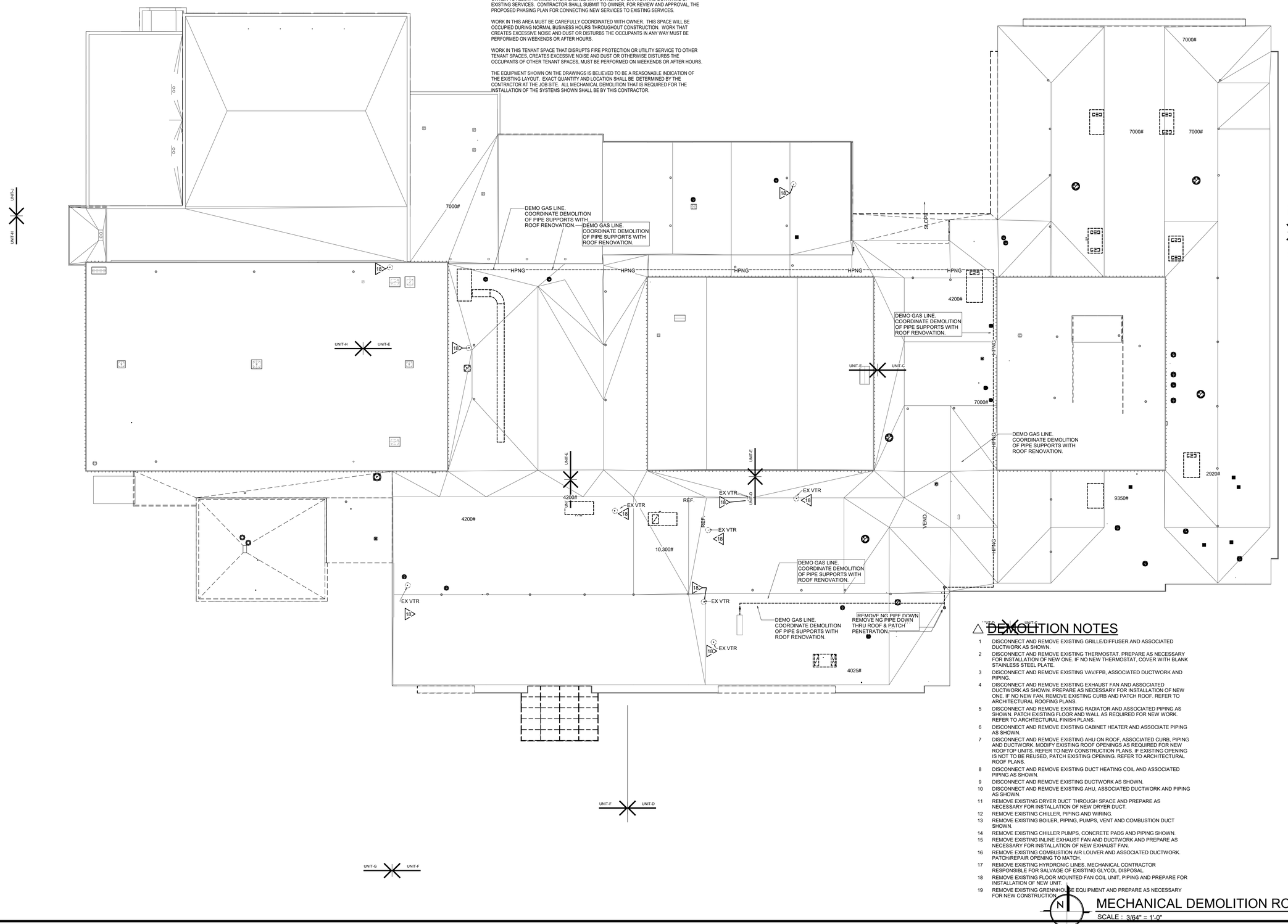
COORDINATE INSTALLATION OF NEW PIPES, DUCTS, ETC. WITH REMAINING EXISTING UTILITIES. EXISTING UTILITIES TO BE REROUTED, IF NECESSARY, TO ALLOW NEW UTILITIES PASSAGE. DUCTWORK SHALL HAVE PRIORITY OF INSTALLATION. EXISTING VALVES AND OTHER DEVICES MADE INACCESSIBLE BY NEW EQUIPMENT, DUCT AND/OR PIPING SHALL BE RELOCATED AS REQUIRED FOR PROPER ACCESS WITH NO EXTRA COST TO THE OWNER.

CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING SERVICES. CONTRACTOR SHALL SUBMIT TO OWNER, FOR REVIEW AND APPROVAL, THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING SERVICES.

WORK IN THIS AREA MUST BE CAREFULLY COORDINATED WITH OWNER. THIS SPACE WILL BE OCCUPIED DURING NORMAL BUSINESS HOURS THROUGHOUT CONSTRUCTION. WORK THAT CREATES EXCESSIVE NOISE AND DUST OR DISTURBS THE OCCUPANTS IN ANY WAY MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

WORK IN THIS TENANT SPACE THAT DISRUPTS FIRE PROTECTION OR UTILITY SERVICE TO OTHER TENANT SPACES, CREATES EXCESSIVE NOISE AND DUST OR OTHERWISE DISTURBS THE OCCUPANTS OF OTHER TENANT SPACES, MUST BE PERFORMED ON WEEKENDS OR AFTER HOURS.

THE EQUIPMENT SHOWN ON THE DRAWINGS IS BELIEVED TO BE A REASONABLE INDICATION OF THE EXISTING LAYOUT. EXACT QUANTITY AND LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AT THE JOB SITE. ALL MECHANICAL DEMOLITION THAT IS REQUIRED FOR THE INSTALLATION OF THE SYSTEMS SHOWN SHALL BE BY THIS CONTRACTOR.



DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING GRILLE/DIFFUSER AND ASSOCIATED DUCTWORK AS SHOWN.
2. DISCONNECT AND REMOVE EXISTING THERMOSTAT. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW THERMOSTAT, COVER WITH BLANK STAINLESS STEEL PLATE.
3. DISCONNECT AND REMOVE EXISTING VAV/FPB, ASSOCIATED DUCTWORK AND PIPING.
4. DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE AS NECESSARY FOR INSTALLATION OF NEW ONE. IF NO NEW FAN, REMOVE EXISTING CURB AND PATCH ROOF. REFER TO ARCHITECTURAL ROOFING PLANS.
5. DISCONNECT AND REMOVE EXISTING RADIATOR AND ASSOCIATED PIPING AS SHOWN. PATCH EXISTING FLOOR AND WALL AS REQUIRED FOR NEW WORK. REFER TO ARCHTECTURAL FINISH PLANS.
6. DISCONNECT AND REMOVE EXISTING CABINET HEATER AND ASSOCIATE PIPING AS SHOWN.
7. DISCONNECT AND REMOVE EXISTING AHU ON ROOF, ASSOCIATED CURB, PIPING AND DUCTWORK. MODIFY EXISTING ROOF OPENINGS AS REQUIRED FOR NEW ROOFTOP UNITS. REFER TO NEW CONSTRUCTION PLANS. IF EXISTING OPENING IS NOT TO BE REUSED, PATCH EXISTING OPENING. REFER TO ARCHITECTURAL ROOF PLANS.
8. DISCONNECT AND REMOVE EXISTING DUCT HEATING COIL AND ASSOCIATED PIPING AS SHOWN.
9. DISCONNECT AND REMOVE EXISTING DUCTWORK AS SHOWN.
10. DISCONNECT AND REMOVE EXISTING AHU, ASSOCIATED DUCTWORK AND PIPING AS SHOWN.
11. REMOVE EXISTING DRYER DUCT THROUGH SPACE AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW DRYER DUCT.
12. REMOVE EXISTING CHILLER, PIPING AND WIRING.
13. REMOVE EXISTING BOILER, PIPING, PUMPS, VENT AND COMBUSTION DUCT SHOWN.
14. REMOVE EXISTING CHILLER PUMPS, CONCRETE PADS AND PIPING SHOWN.
15. REMOVE EXISTING INLINE EXHAUST FAN AND DUCTWORK AND PREPARE AS NECESSARY FOR INSTALLATION OF NEW EXHAUST FAN.
16. REMOVE EXISTING COMBUSTION AIR LOUVER AND ASSOCIATED DUCTWORK. PATCH/REPAIR OPENING TO MATCH.
17. REMOVE EXISTING HYRDRONIC LINES. MECHANICAL CONTRACTOR RESPONSIBLE FOR SALVAGE OF EXISTING GLYCOL DISPOSAL.
18. REMOVE EXISTING FLOOR MOUNTED FAN COIL UNIT, PIPING AND PREPARE FOR INSTALLATION OF NEW UNIT.
19. REMOVE EXISTING GRENNHOUSE EQUIPMENT AND PREPARE AS NECESSARY FOR NEW CONSTRUCTION.

MECHANICAL DEMOLITION ROOF PLAN

SCALE : 3/64" = 1'-0"

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
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DANVILLE, INDIANA

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DRAWN BY:	HUSAR
DATE:	JANUARY 16, 2024
SHEET NAME:	MECHANICAL DEMOLITION ROOF PLAN
SHEET:	M900
BCVA #:	2265

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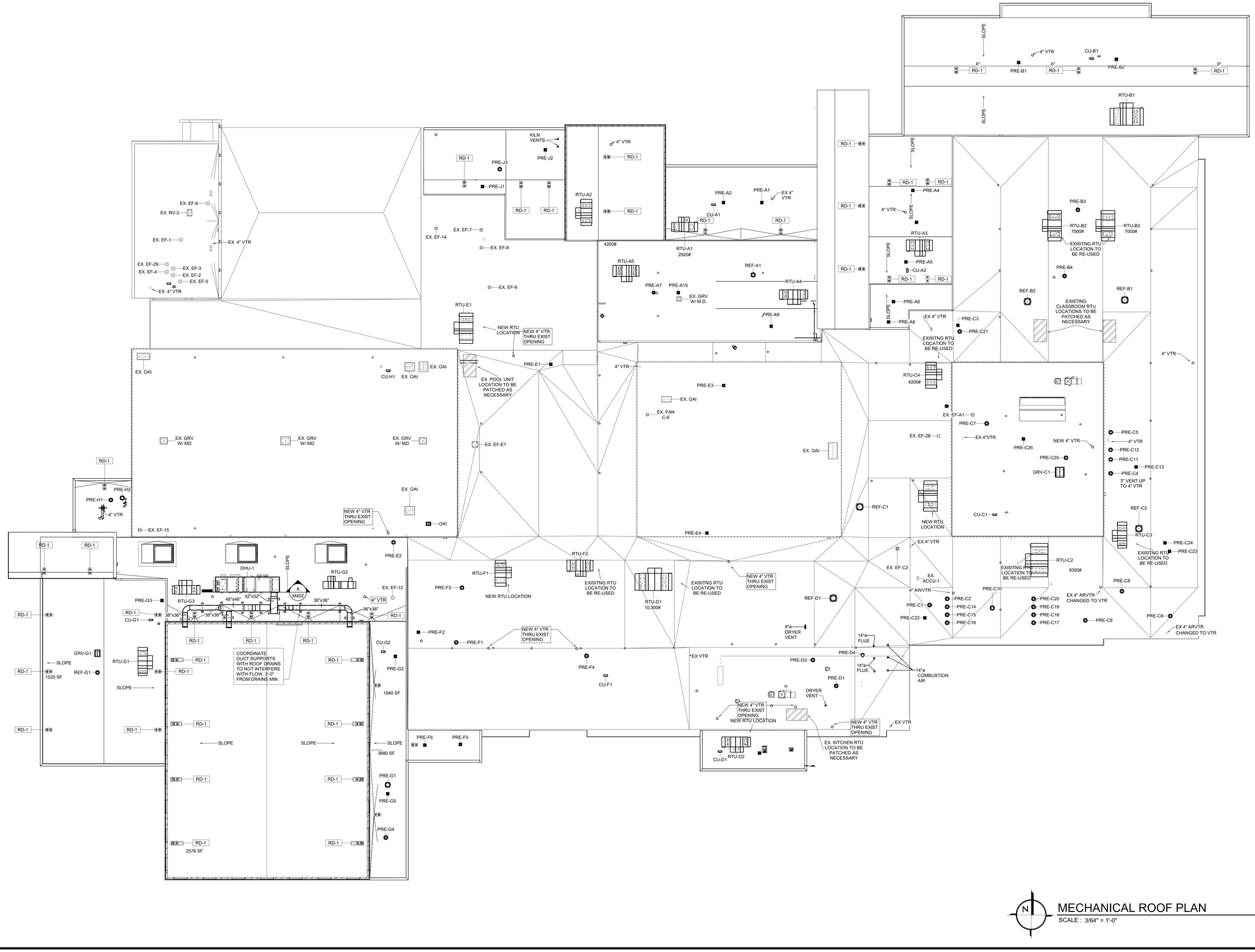

MECHANICAL ROOF PLAN

SCALE : 3/64" = 1'-0"

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DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE

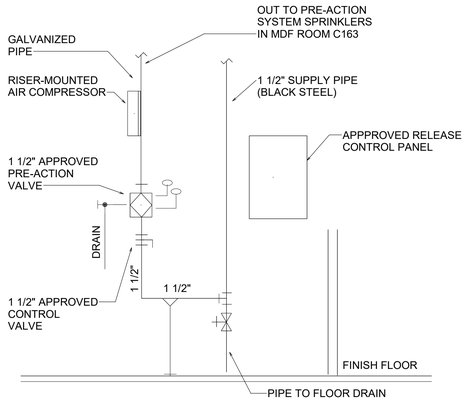
DRAWN BY: HUSAR

DATE: JANUARY 16, 2024

SHEET NAME: MECHANICAL ROOF PLAN

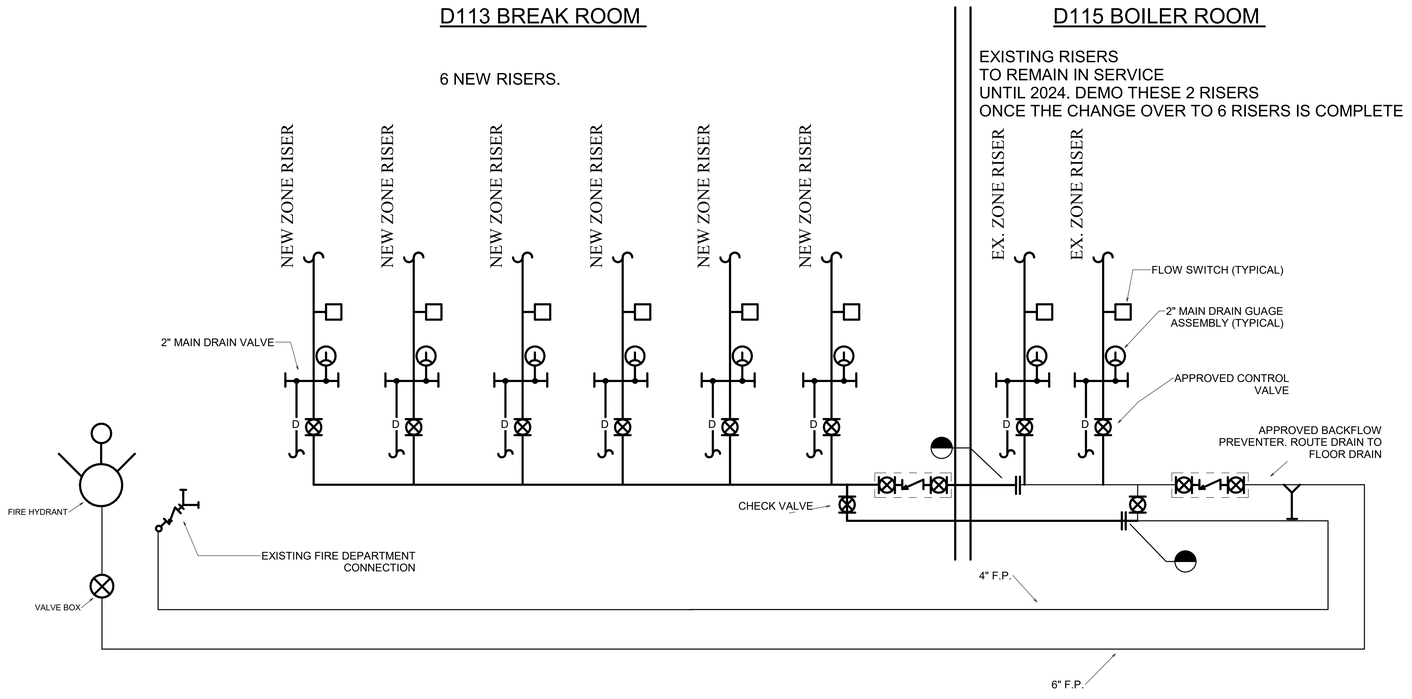
SHEET: **M901**

COMM #: 2265



2 / F301 PRE-ACTION RISER

SCALE : 1/8" = 1'-0"



N

NEW SPRINKLER RISER DETAIL

SCALE : 1/16" = 1'-0"

GENERAL FIRE PROTECTION NOTES

1. FIRE PROTECTION CONTRACTOR SHALL PROVIDE AND INSTALL A NEW AND APPROVED FIRE PROTECTION SYSTEM PIPING, FITTINGS, SPRINKLER HEADS AND HANGERS PER NFPA 13, UL/FM DESIGN GUIDELINES, STATE/LOCAL CODE GUIDELINES AND BID DRAWINGS.
2. PROVIDE COMPLETE DESIGN AND INSTALLATION OF NEW FIRE PROTECTION SPRINKLER COVERAGE FOR THE NEW MULTIPURPOSE AREAS PER DESIGN DRAWINGS, NFPA 13, UL/FM, AND STATE/LOCAL CODE GUIDELINES.
3. THE AREAS WITHIN THIS EXISTING SCHOOL THAT ARE CURRENTLY PROTECTED WITH AN EXISTING FIRE PROTECTION SYSTEM WILL NEED TO BE ADJUSTED FOR NEW CEILINGS TO BE INSTALLED.
4. FIRE PROTECTION CONTRACTOR SHALL PROVIDE AND INSTALL ALL THE MAINS UP TO THE EXISTING MECHANICAL EQUIPMENT ROOM D115 BEFORE THE LAST SUMMER PHASE. ONCE THE EXISTING MECHANICAL EQUIPMENT IS REMOVED FROM THIS ROOM, THEN THE NEW FIRE PROTECTION RISERS CAN BE INSTALLED AND CONNECTED TO THE NEW MAINS JUST OUTSIDE THIS AREA.
5. THE REMAINING AREAS IN THIS SCHOOL THAT DOES NOT CURRENTLY HAVE FIRE PROTECTION INSTALLED WILL HAVE NEW FIRE PROTECTION SYSTEMS BEING INSTALLED.
6. PROVIDE NEW WHITE CONCEALED SPRINKLER HEADS IN AREAS WITH NEW ACOUSTICAL CEILINGS AND INSTALL THESE PENDANT SPRINKLERS IN THE CENTER OF THESE ACOUSTICAL CEILING TILES. THIS CAN BE DONE BY UTILIZING "SWINGS" OR FLEXIBLE CONNECTIONS.
7. PROVIDE BRASS UPRIGHTS IN EXPOSED AND UNFINISHED AREAS.
8. SPRINKLER HEADS SHALL BE INSTALLED AT BOTH ROOF DECK AND UNDERNEATH ANY MEZZANINES IN ORDER TO HAVE PROPER SPRINKLER COVERAGE PER NFPA 13, UL/FM, STATE/LOCAL CODE GUIDELINES AND BID DRAWINGS.
9. ALL NEW PIPING MATERIALS AND SPRINKLER EQUIPMENT INSTALLED ON THIS PROJECT MUST BE UL AND FM LISTED MATERIALS.
10. IN STAGE E107 IS TO PROVIDE AND INSTALL (2) 2 ½" HOSE VALVE WITH CAP AND CHAINS ON THE EXISTING COLUMNS PER IFC AND NFPA 13 GUIDELINES.
11. PROVIDE AND INSTALL SPRINKLER HEADS UNDERNEATH ANY NEW DUCTWORK OR HVAC UNITS THAT IS WIDER THAN 48" IN OPEN/EXPOSED AREAS.
12. PROVIDE AND INSTALL DRY PENDANT SPRINKLERS IN THE FREEZER AND COOLERS.
13. ALSO PROVIDE AND INSTALL SPRINKLER HEADS UNDERNEATH ANY OVERHEAD DOORS THAT ROLL BACK MORE THAN 48" INTO THIS BUILDING.
14. EACH SPRINKLER SYSTEM ZONE, WHICH IS TAKEN OUT OF SERVICE TO PERFORM PIPING AND SPRINKLER MODIFICATIONS, MUST BE PUT BACK INTO SERVICE EACH DAY BEFORE THE CONTRACTOR LEAVES THE SITE. NO FIRE PROTECTION SYSTEM CAN BE LEFT OUT OF SERVICE FOR ANY REASON OVER AN EXTENDED PERIOD OF TIME.
15. ALL HATCHED AREAS PER DRAWING SCHEDULE SHOWN ON THIS DRAWING INDICATE THE FIRE PROTECTION DESIGN FOR EACH ROOM.
16. IF "CLOUD" CEILINGS ARE INSTALLED THEN UPRIGHT SPRINKLER PROTECTION MUST BE INSTALLED ABOVE THESE CLOUDED CEILINGS PER NFPA 13, UL/FM DESIGN GUIDELINES, STATE/LOCAL CODE GUIDELINES.
17. CURRENTLY, THE EXISTING AUDITORIUM IS UNDER REVIEW FROM THE STATE OF INDIANA TO EXCLUDE FIRE PROTECTION FROM BEING INSTALLED IN THESE AREAS. THESE AREAS WILL BE RESOLVED AT A FUTURE DATE.
18. BOTH THE NEW AND EXISTING GREENHOUSE ROOMS WILL NOT HAVE FIRE PROTECTION INSTALLED PER VARIANCE WITH THE STATE OF INDIANA.
19. THE AREA DIRECTLY ABOVE THE POOL AREA WILL NOT HAVE NEW FIRE PROTECTION ADDED, HOWEVER ALL AREAS OUTSIDE THIS POOL AREA WILL STILL NEED NEW FIRE PROTECTION INSTALLED.
20. ALSO, SPECIAL COATING SPRINKLER HEADS SHALL BE INSTALLED AROUND THE POOL G124, AREA FOR ADDED PROTECTION AGAINST CORROSION FROM THE CHEMICAL ENVIRONMENT IN THIS ROOM.
21. THE EXISTING AND OR NEW IDF, AND MDF COMPUTER ROOMS WILL HAVE STANDARD SPRINKLER HEADS INSTALLED IN THESE COMPUTER/TECHNOLOGY ROOMS.
22. EXCEPT FOR C163 MDF ROOM WILL NEED TO HAVE A DOUBLE-INTERLOCK PRE-ACTION SYSTEM INSTALLED. FP CONTRACTOR IS TO PROVIDE THIS DOUBLE-INTERLOCK PRE-ACTION RISER IN A ROOM WITH A FLOOR DRAIN FOR PROPER DRAINAGE.
23. LIGHT HAZARD OCCUPANCY IS TO BE DESIGNED FOR A .10 G.P.M. OVER THE MOST REMOTE 1500 SQ. FT. WITH AN ADDITIONAL HOSE STREAM ALLOWANCE OF 100 G.P.M.
24. ORDINARY HAZARD GROUP I OCCUPANCY IS TO BE DESIGNED FOR A .15 G.P.M. OVER THE MOST REMOTE 1500 SQ. FT. WITH AN ADDITIONAL HOSE STREAM ALLOWANCE OF 250 G.P.M.
25. ORDINARY HAZARD GROUP II OCCUPANCY IS TO BE DESIGNED FOR A .20 G.P.M. OVER THE MOST REMOTE 1500 SQ. FT. WITH AN ADDITIONAL HOSE STREAM ALLOWANCE OF 250 G.P.M.
26. ALL WORK AND MATERIAL SHALL CONFORM TO NFPA 13 2010 EDITION, INSURANCE COMPANY AND ALL STATE AND LOCAL CODE GUIDELINES.
27. ALL FIRE PROTECTION PIPING SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE UTILIZING HANGERS, MATERIALS, AND METHODS PER NFPA 13.
28. ALL WET PIPE FIRE PROTECTION SYSTEMS SHALL BE INSTALLED LEVEL TO DRAIN BACK TO THE SYSTEM RISER, IN ACCORDANCE TO NFPA 13, 2010 EDITION 8.16.2.2.1. TRAPPED SECTIONS OF FIRE PROTECTION PIPING SHALL HAVE AUXILIARY DRAIN CONNECTIONS IN ACCORDANCE WITH 8.16.2.5.
29. ANY SPRINKLER HEADS LOCATED IN THE MULTIPURPOSE OR GYMS MUST HAVE SPRINKLER GUARDS INSTALLED ON EACH SPRINKLER FOR ADDED PROTECTION AGAINST DAMAGE.
30. THE FIRE PROTECTION SUBCONTRACTOR SHALL TAKE INTO CONSIDERATION THE CURRENT CONSTRUCTION PHASING SCHEDULE TO ENSURE THAT THE EXISTING FIRE PROTECTION SYSTEMS ARE ACTIVE AND CURRENT DURING THE CONSTRUCTION PROJECT. THE NEW FIRE PROTECTION SYSTEMS WILL NEED TO BE ACTIVATED AND TEST AND THE COMPLETION OF THIS PROJECT.
31. THE FOLLOWING IS SOME PRELIMINARY WATER FLOW TEST DATA RECEIVED FROM THE LOCAL WATER AUTHORITY. IT IS THE RESPONSIBILITY OF THE FIRE PROTECTION SUBCONTRACTOR TO RECEIVE AND OBTAIN THE MOST UP TO DATE AND CURRENT FLOW TEST INFORMATION TO BE USED IN PERFORMING THE HYDRAULIC CALCULATIONS.

STATIC:	60	PSI
RESIDUAL:	53	PSI
FLOWING:	1077	GPM.

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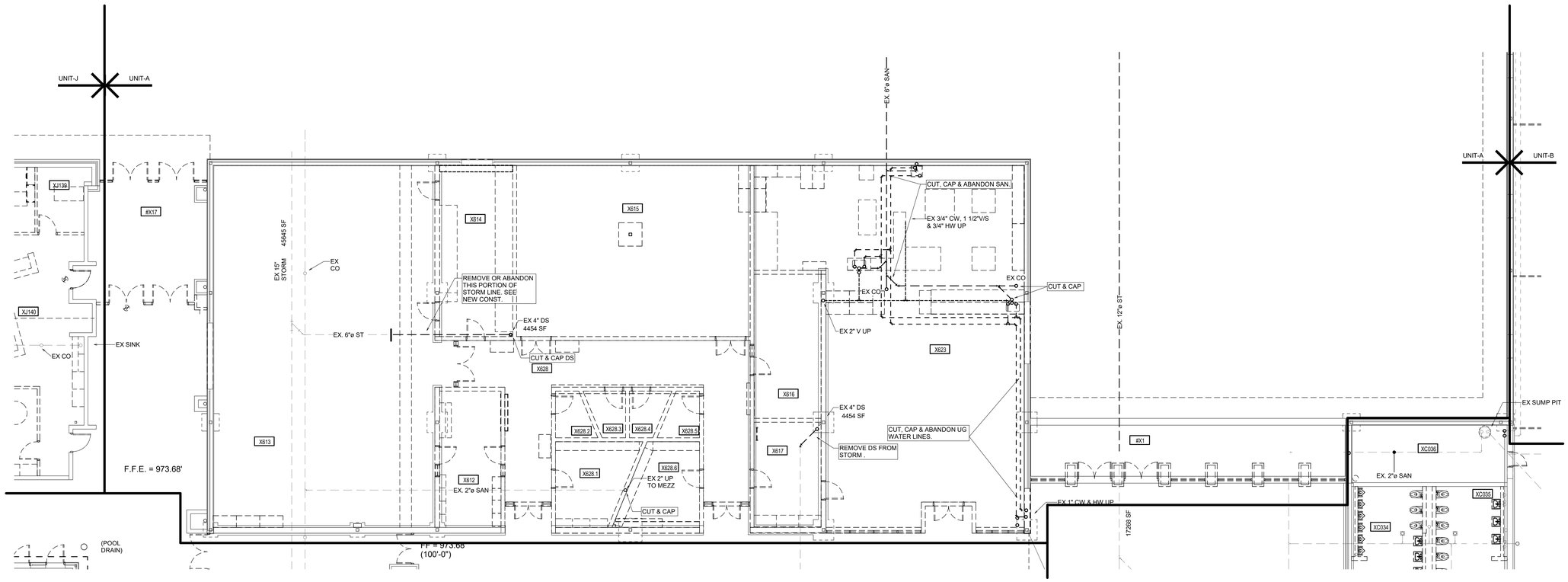
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRE PROTECTION DETAIL AND NOTES
SHEET:	F301
COMM #:	2265

1/16/2024 11:53:38 AM



GENERAL UNDERGROUND DEMOLITION NOTES

DISCONNECT AND REMOVE HIGHLIGHTED SANITARY, STORM WATER LINES, INCLUDING CLEANOUTS AND FLOOR DRAINS AS SHOWN. CAP ABANDONED STUBS AS REQUIRED. PATCH & PREP SAWCUT FLOORS FOR NEW FINISH AS REQUIRED. VERIFY THAT ADEQUATE PIPE MATERIAL IS LEFT ON THE EXISTING PIPE FOR TIE-INS TO NEW PIPING. SEE ARCH DEMOLITION PLAN FOR FLOOR DEMOLITION BY OTHERS.
EXISTING CONDITIONS UNCOVERED BUT NOT SHOWN ARE TO BE REPORTED TO THE ENGINEER.

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

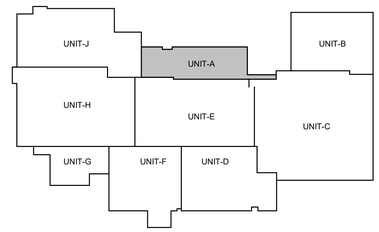
DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.



KEY PLAN

N

UNIT-A UG PLUMBING DEMO PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910439
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-A UG PLUMBING DEMO PLAN

SHEET: P001
COMM #: 2265

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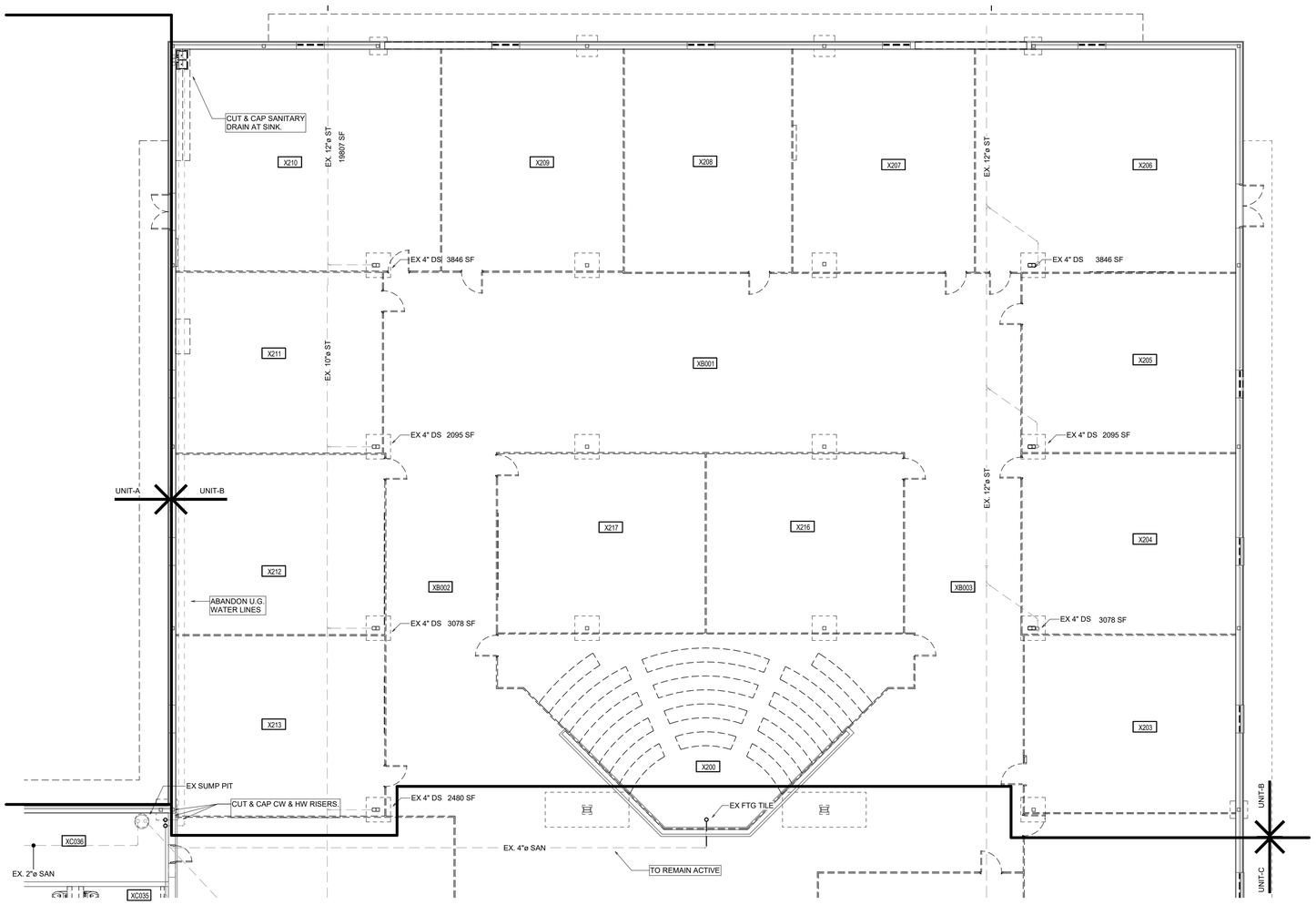

PROJECT NOTES

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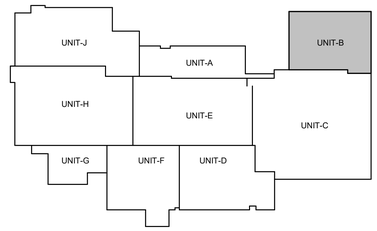

KEY PLAN

N

UNIT-B UG PLUMBING DEMO PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
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MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-B UG PLUMBING DEMO PLAN

SHEET: P002
COMM #: 2265

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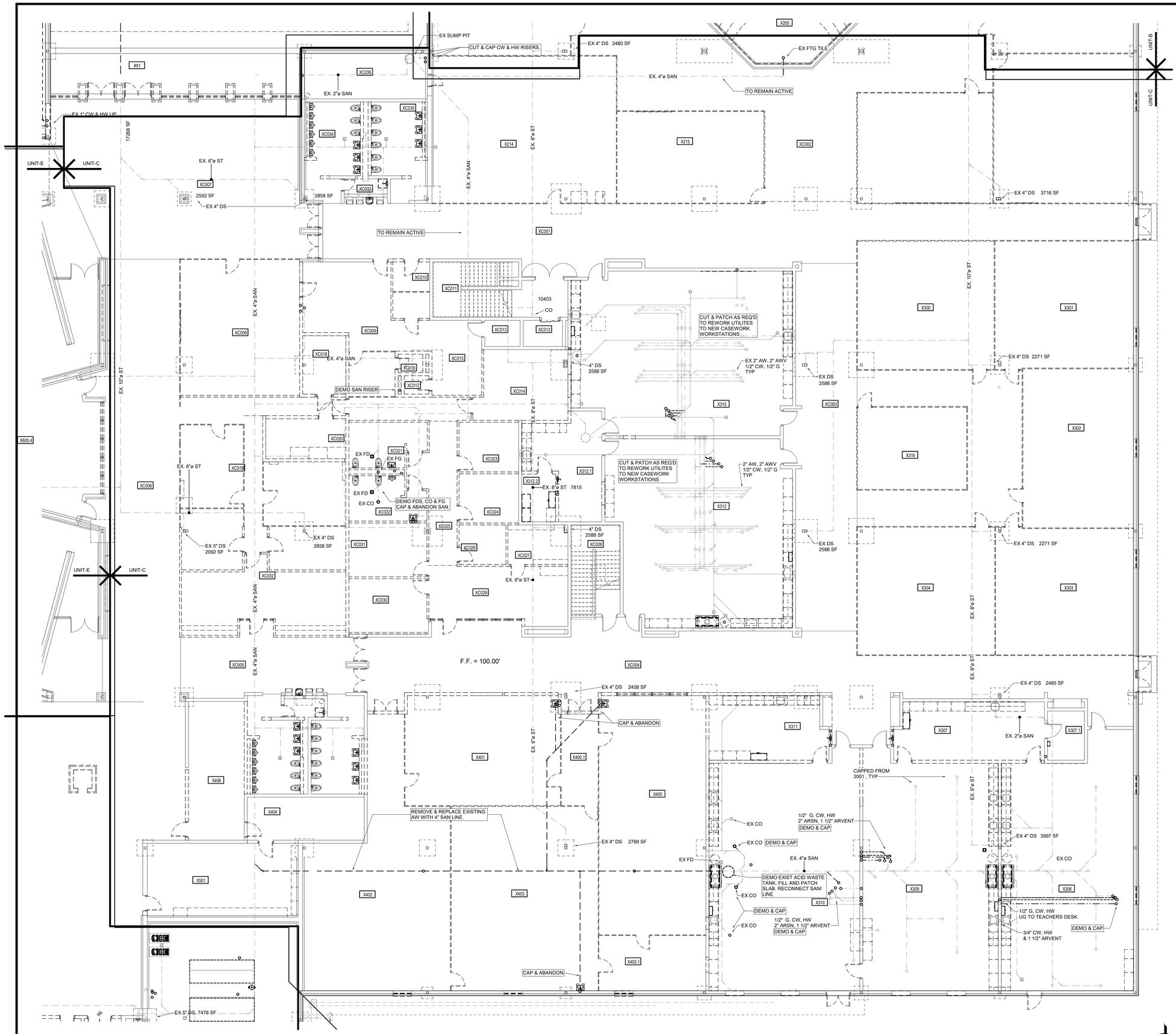

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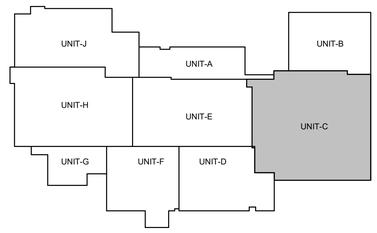

KEY PLAN

UNIT-C UG PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-C UG PLUMB DEMO PLAN
SHEET:	P003
COMM #:	2265

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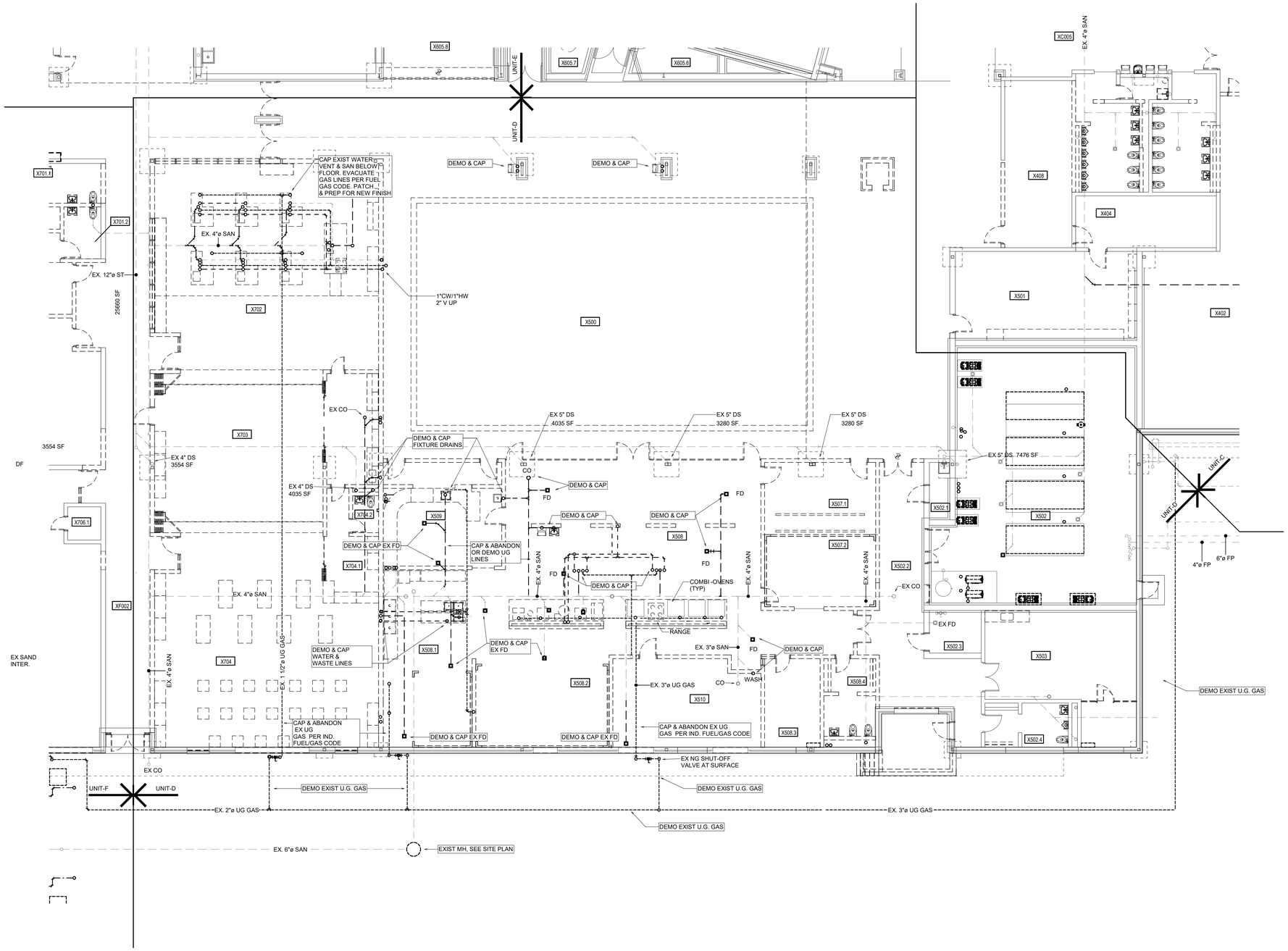

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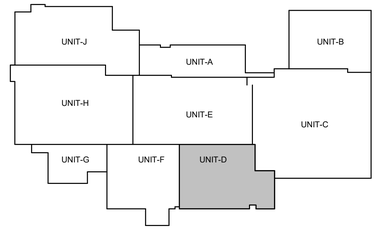

KEY PLAN

UNIT-D UG PLUMBING DEMO PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-D UG PLUMB DEMO PLAN

SHEET: P004
COMM #: 2265

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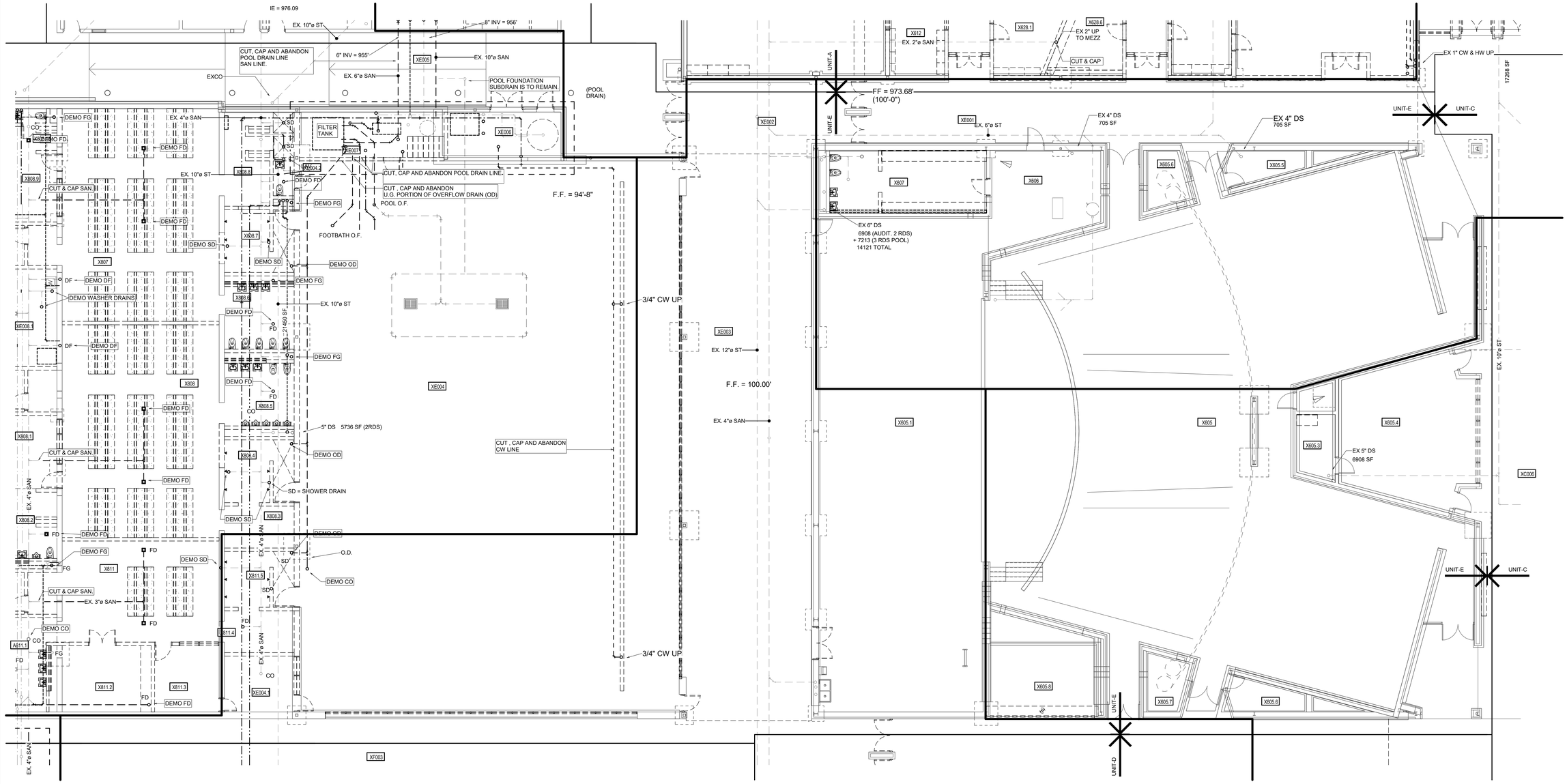

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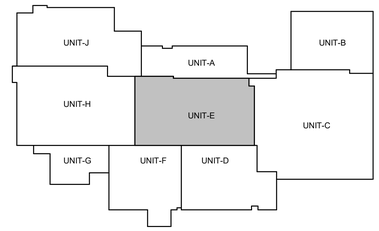

KEY PLAN

N

UNIT-E UG PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: Author

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E UG PLUMB DEMO PLAN

SHEET: P005

COMM #: 2265

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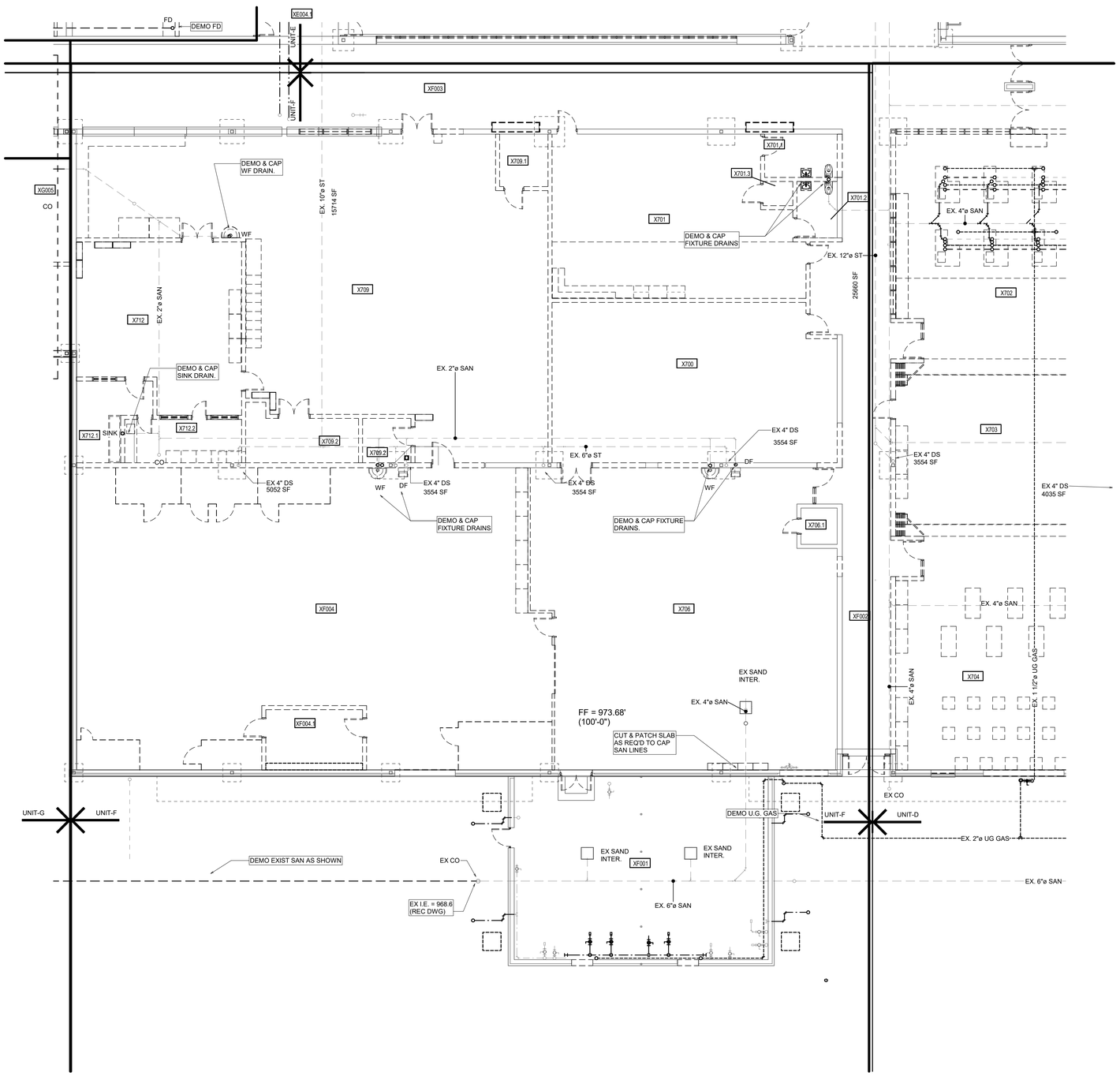

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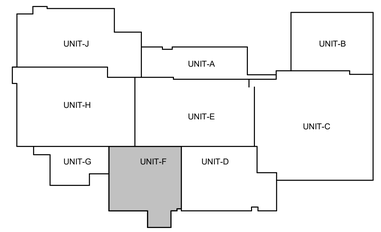

KEY PLAN

N

UNIT-F UG PLUMBING DEMO PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-F UG PLUMB DEMO PLAN

SHEET: P006
COMM #: 2265

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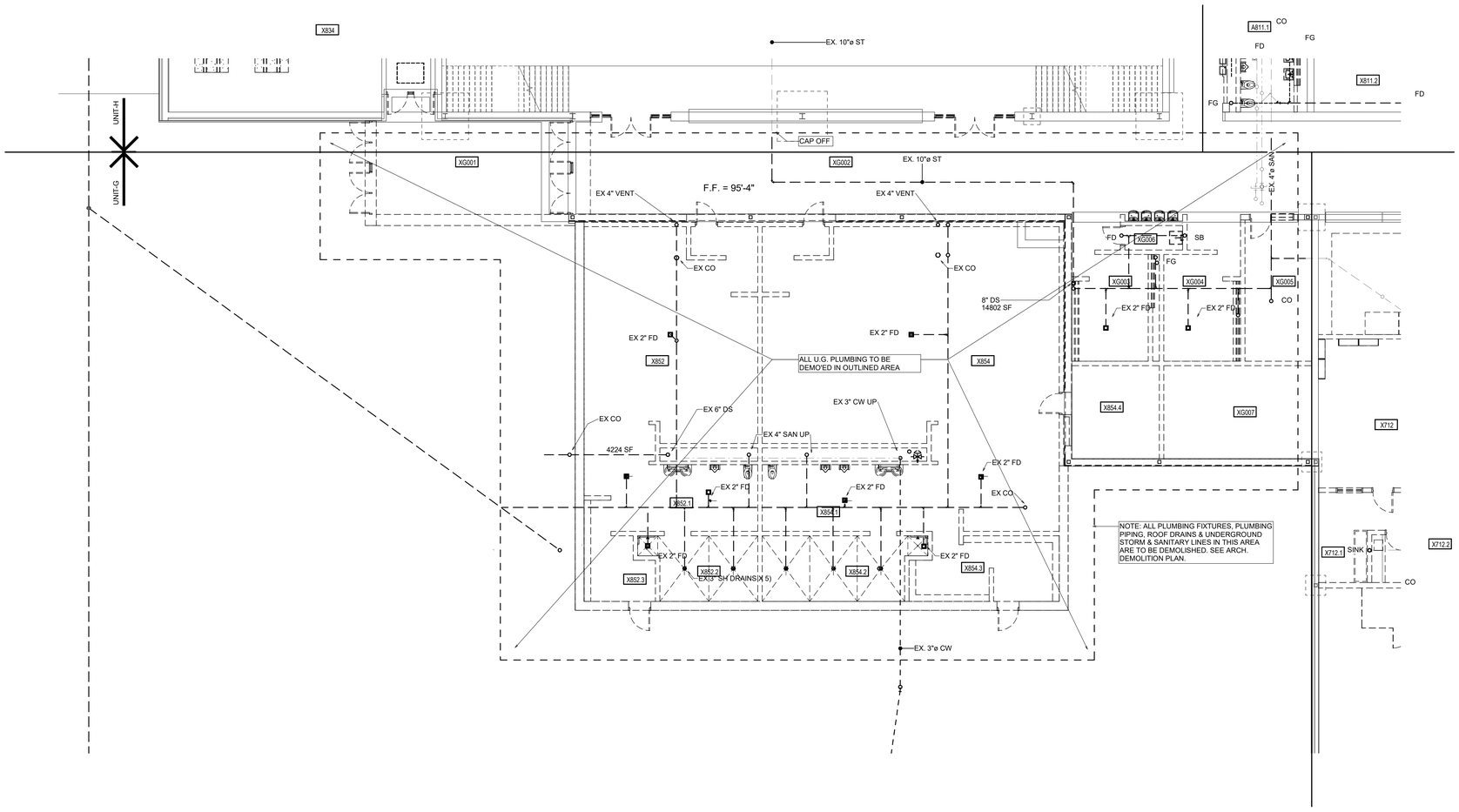

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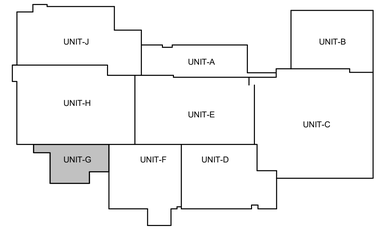

KEY PLAN

N

UNIT-G UG PLUMBING DEMO PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
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No. PE10910439
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PROFESSIONAL ENGINEER

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-G UG PLUMB DEMO PLAN

SHEET: **P007**
COMM #: 2265

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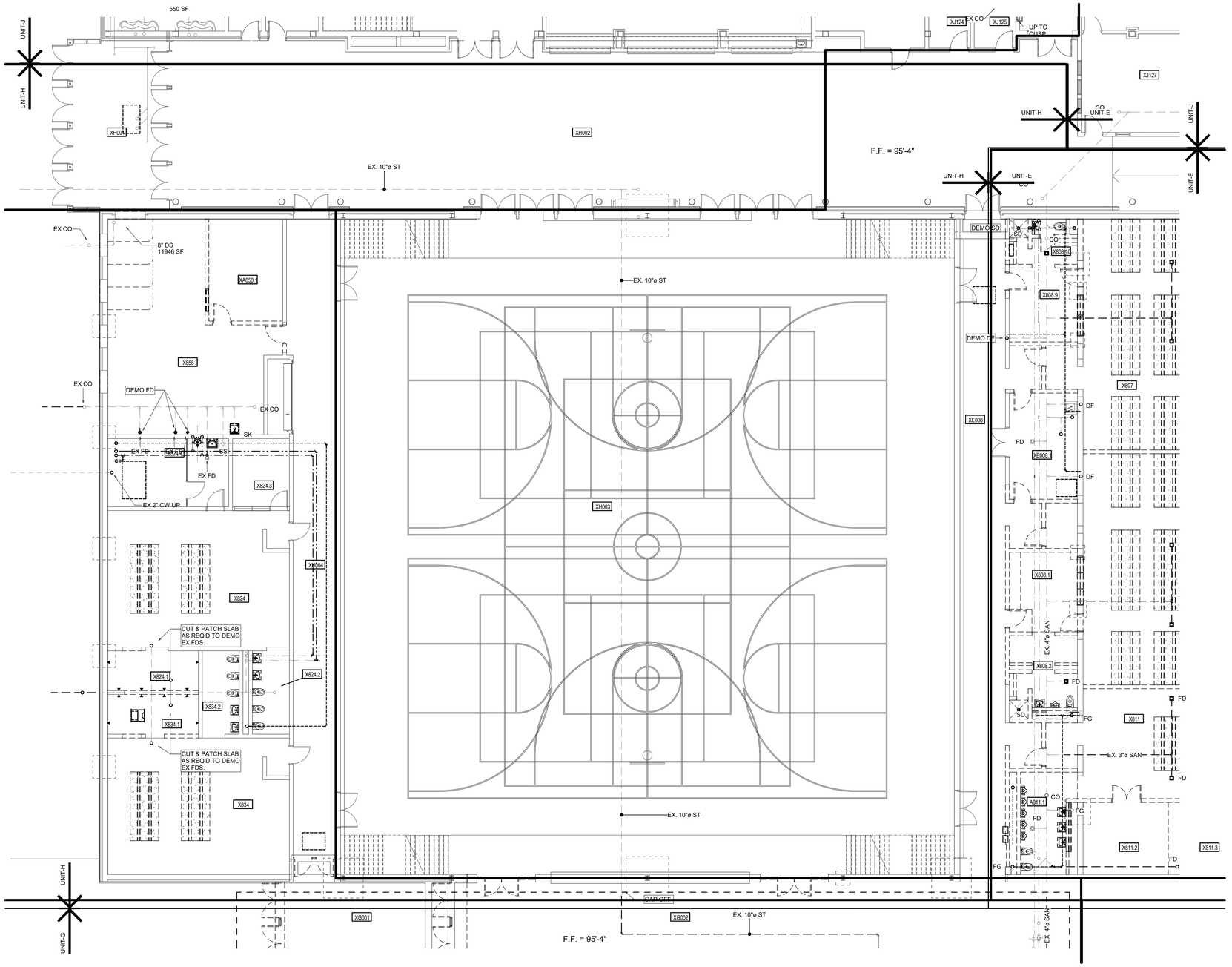

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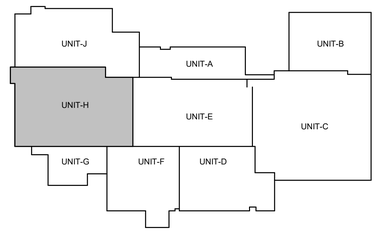

KEY PLAN

UNIT-H UG PLUMBING DEMO PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910439
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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ARCHITECTS & ENGINEERS

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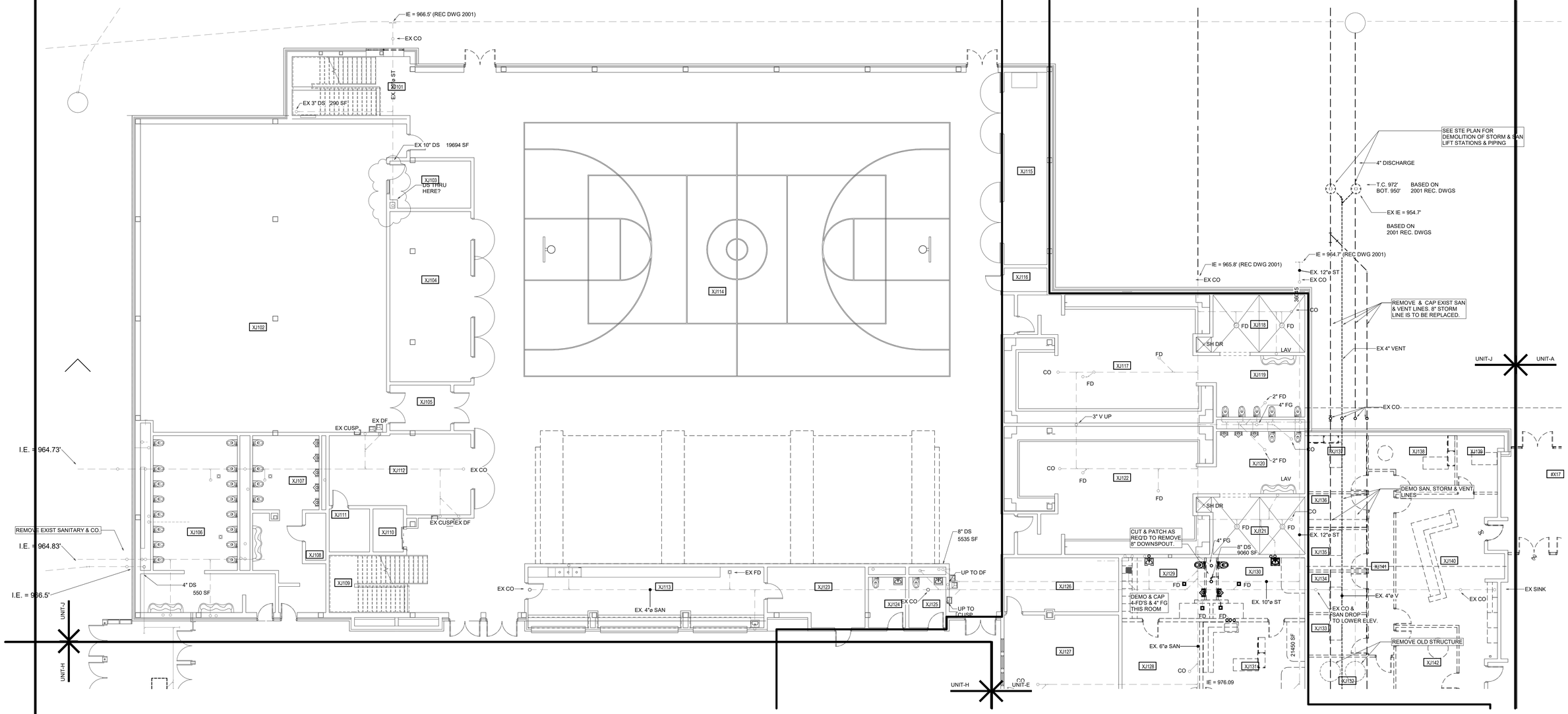
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-H UG PLUMB DEMO PLAN

SHEET: P008
COMM #: 2265

1/16/2024 12:25:05 PM



GENERAL UNDERGROUND DEMOLITION NOTES

DISCONNECT AND REMOVE HIGHLIGHTED SANITARY, STORM WATER LINES, INCLUDING CLEANOUTS AND FLOOR DRAINS AS SHOWN. CAP ABANDONED STUBS AS REQUIRED. PATCH & PREP SAWCUT FLOORS FOR NEW FINISH AS REQUIRED. VERIFY THAT ADEQUATE PIPE MATERIAL IS LEFT ON THE EXISTING PIPE FOR TIE-INS TO NEW PIPING. SEE ARCH DEMOLITION PLAN FOR FLOOR DEMOLITION BY OTHERS.
EXISTING CONDITIONS UNCOVERED BUT NOT SHOWN ARE TO BE REPORTED TO THE ENGINEER.

PROJECT NOTES

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FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

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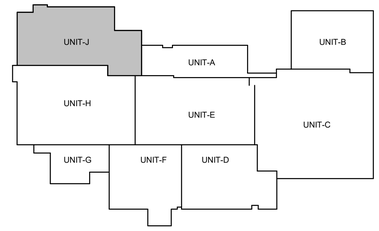
INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.



KEY PLAN

N

UNIT-J UG PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

1/16/2024 12:23:17 PM

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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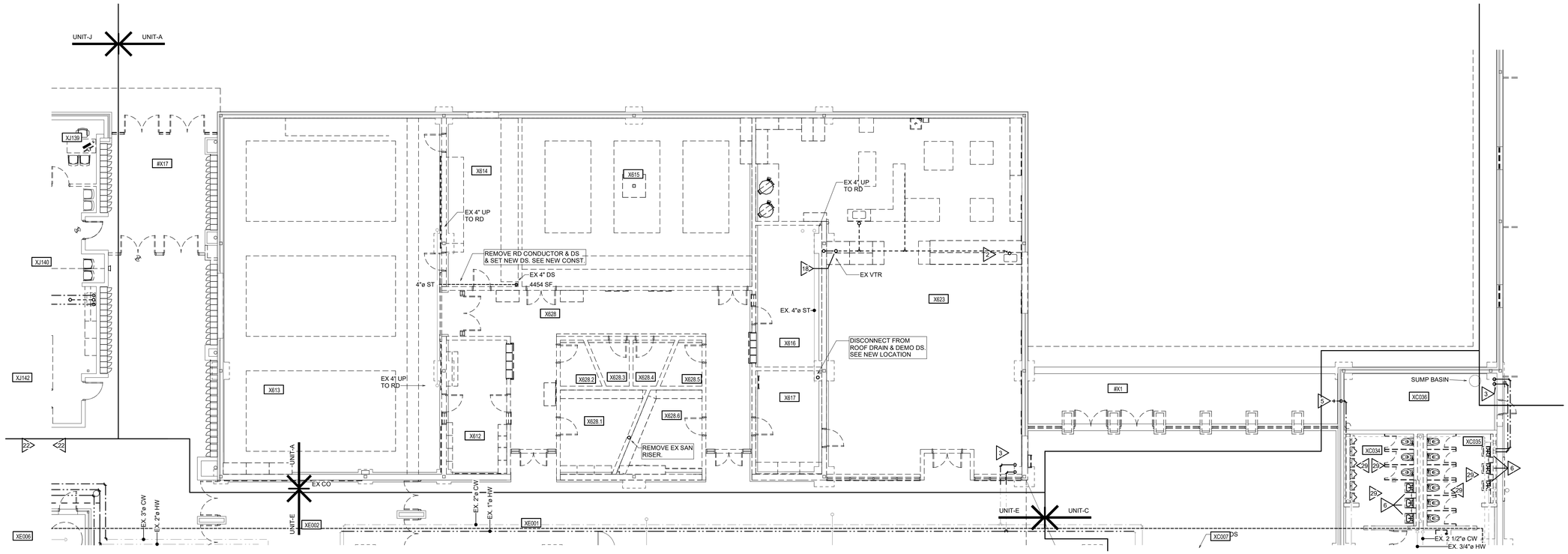
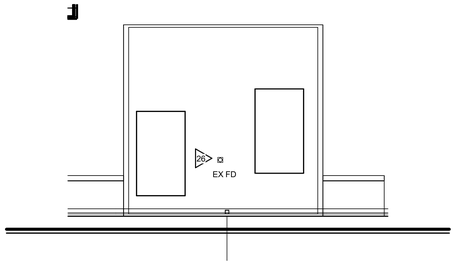
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J UG PLUMB DEMO PLAN

SHEET: **P009**

COMM #: 2265





UNIT-A MEZZ PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

△ DEMOLITION NOTES

1. DEMO 4" RD CONDUCTOR. ROOF DRAIN IS TO REMAIN.
2. DEMO SINK. REMOVE WATER , SAN & VENT LINES AND CAP BELOW FLOOR FINISH. PATCH & PREP FOR NEW FINISH.
3. REMOVE CW & HW LINES TO ABOVE CEILING & BELOW FLOOR & CAP. PATCH PATCH & PREP FLOOR FOR NEW FINISH.
4. DEMO SINK & WATER/ VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & PATCH/ PREP FOR NEW FINISH.
5. DEMO HOSE BIBB & WATER LINE AS SHOW. PATCH EXISTING WALL PENETRATION AS REQ'D.
6. DEMO LAV/ SINK. PREP FOF NEW.
7. DEMO EWC . REWORK AS REQUIRED FOR NEW FIXTURE.
8. DISCONNECT EXISTING UTILITIES FROM LAB SINK.
9. REMOVE AW, AWV, CW, HW & GAS FROM INSTRUCTORS TABLE.
10. REMOVE CW, HW, GAS, AWV & AW FROM TABLE.
11. REMOVE AW, AWV, CW & GAS FROM FUME HOOD.
12. REMOVE AW, AWV, CW & GAS FROM SINK/TABLE. CAP UTILITIES BELOW FLOOR .
13. DEMO GAS LINE AS SHOWN AND ASSOCIATED VALVES AS SHOWN.
14. DEMO RESTROOM GROUP AS SHOWN. PREP FOR NEW FIXTURES.
15. DEMO PLUMBING FIXTURE AS NOTED & WATER, SAN & VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & WATER AND VENT LINES AT POINT OF REMOVEAL.
16. DEMO RESTROOM GROUP IN ITS ENTIRETY.
17. DEMO HIGHLIGHTED PLUMBING LINES AS SHOWN
18. DEMO VENT THROUGH ROOF. PATCH ROOF PENETRATION AS REQ'D.
19. DEMO URINALS. REWORK FOR NEW LAVS.
20. DEMO LAVS & CARRIERS PREP FOR NEW URINALS AS SHOWN.
21. DEMO WCS PREP FOR NEW WCS AS SHOWN.
22. DEMO WATER LINE AS SHOWN.
24. DEMO DOMESTIC RECIRCULATION PUMP AS SHOWN.
25. DEMO RESTROOM GROUP IN ITS ENTIRETY. REMOVE VTR & PATCH ROOF PENETRATION.CAP WATER & SAN LINES BELOW FLOOR & PATCH. SAN LINE UP TO MECH MEZZANINE IS TO REMAIN.
26. DEMO FLOOR DRAIN. CAP SAN . PATCH & SLAB FOR NEW FINISH.
27. DEMO SINK. CAP WATER & SAN. LINES.
28. DEMO EXISTING FLOOR DRAIN. PREP FOR NEW FD AS SCHEDULED.
29. DEMO RESTROOM FIXTURES INCLUDING CARRIERS.
30. DISCONNECT & REMOVE WATER , SANITARY & GAS CONNECTIONS FROM APPLINCES . COORDINATE WITH K.E.C. DEMOLITION. CAP & ABONDON WATER & SANIATRY LINES CUT & CAP GAS CONNECTIONS PER INDIANA FUEL GAS CODE.
31. DEMO SINK. PREP FOR NEW FIXTURE.
32. DEMO MIXING VALVE & ASSOCIATED CONNECTIONS TO EXISTING WATER LINES .
33. DEMO SINK. CUT SLAB & CAP / ABANDON U.G. SAN & WATER LINES.

PROJECT NOTES

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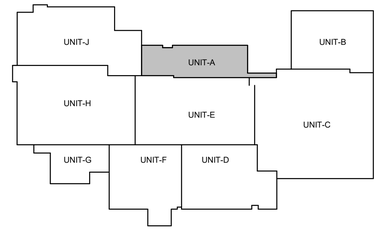

KEY PLAN

UNIT-A PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
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No. PE10910639
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PROFESSIONAL ENGINEER

MEYER NAJEM

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ARCHITECTS & ENGINEERS

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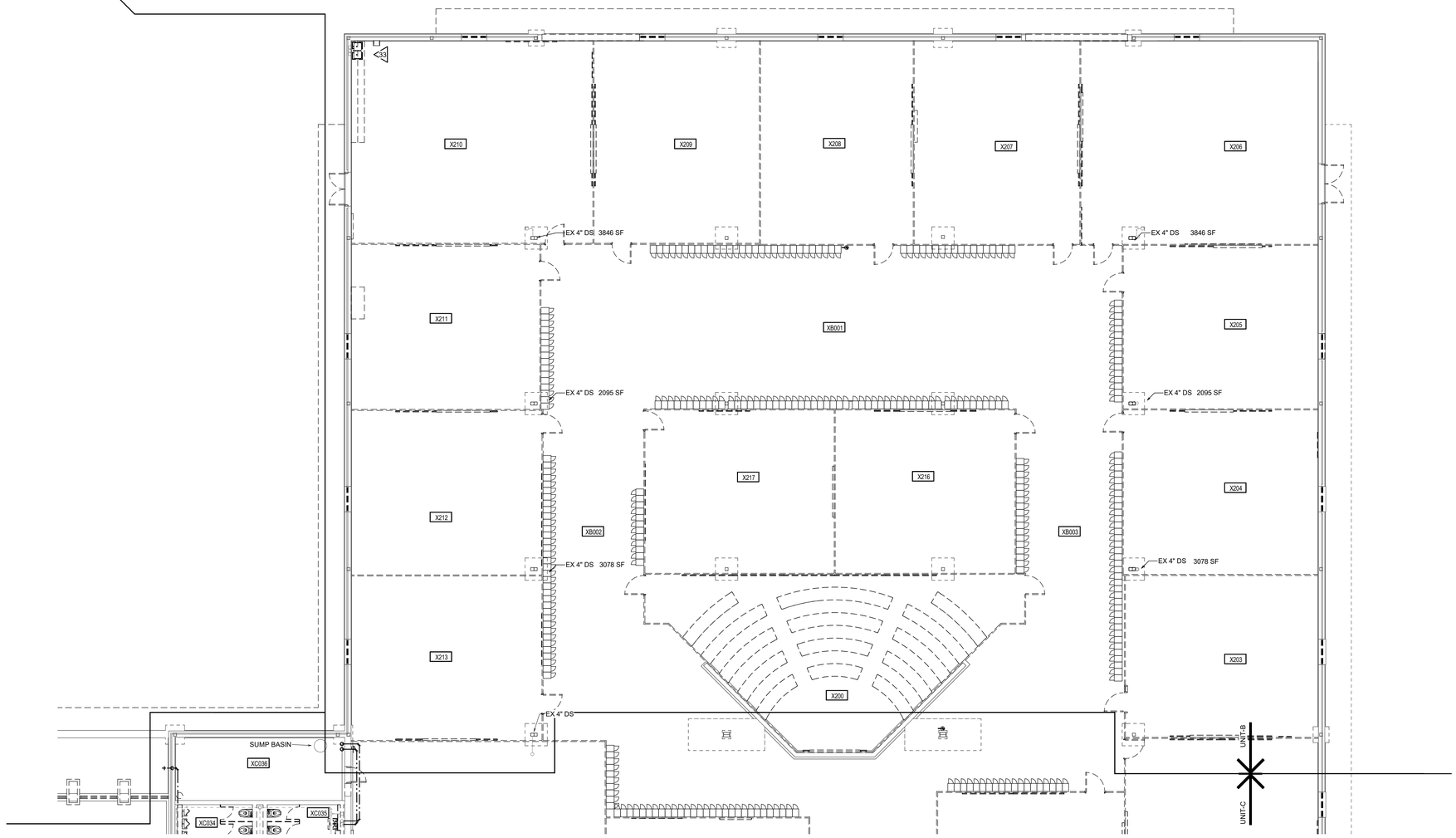
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-A PLUMB DEMO PLAN
SHEET:	P101
COMM #:	2265

1/16/2024 12:25:17 PM



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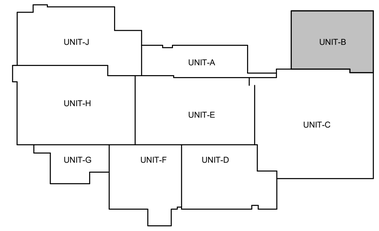
ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

△ DEMOLITION NOTES

1. DEMO 4" RD CONDUCTOR. ROOF DRAIN IS TO REMAIN.
2. DEMO SINK. REMOVE WATER , SAN & VENT LINES AND CAP BELOW FLOOR FINISH. PATCH & PREP FOR NEW FINISH.
3. REMOVE CW & HW LINES TO ABOVE CEILING & BELOW FLOOR & CAP. PATCH PATCH & PREP FLOOR FOR NEW FINISH.
4. DEMO SINK & WATER/ VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & PATCH/ PREP FOR NEW FINISH.
5. DEMO HOSE BIBB & WATER LINE AS SHOW. PATCH EXISTING WALL PENETRATION AS REQ'D.
6. DEMO LAV/ SINK. PREP FOF NEW.
7. DEMO EWC . REWORK AS REQUIRED FOR NEW FIXTURE.
8. DISCONNECT EXISTING UTILITIES FROM LAB SINK.
9. REMOVE AW, AWV, CW, HW & GAS FROM INSTRUCTORS TABLE.
10. REMOVE CW, HW, GAS, AWV & AW FROM TABLE.
11. REMOVE AW, AWV, CW & GAS FROM FUME HOOD.
12. REMOVE AW, AWV, CW & GAS FROM SINK/TABLE. CAP UTILITIES BELOW FLOOR .
13. DEMO GAS LINE AS SHOWN AND ASSOCIATED VALVES AS SHOWN.
14. DEMO RESTROOM GROUP AS SHOWN. PREP FOR NEW FIXTURES.
15. DEMO PLUMBING FIXTURE AS NOTED & WATER, SAN & VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & WATER AND VENT LINES AT POINT OF REMOVEAL.
16. DEMO RESTROOM GROUP IN ITS ENTIRETY.
17. DEMO HIGHLIGHTED PLUMBING LINES AS SHOWN
18. DEMO VENT THROUGH ROOF. PATCH ROOF PENETRATION AS REQ'D.
19. DEMO URINALS, REWORK FOR NEW LAVS.
20. DEMO LAVS & CARRIERS PREP FOR NEW URINALS AS SHOWN.
21. DEMO WC'S PREP FOR NEW WC'S AS SHOWN.
22. DEMO WATER LINE AS SHOWN.
24. DEMO DOMESTIC RECIRCULATION PUMP AS SHOWN.
25. DEMO RESTROOM GROUP IN ITS ENTIRETY. REMOVE VTR & PATCH ROOF PENETRATION.CAP WATER & SAN LINES BELOW FLOOR & PATCH. SAN LINE UP TO MECH MEZZANINE IS TO REMAIN.
26. DEMO FLOOR DRAIN. CAP SAN . PATCH & SLAB FOR NEW FINISH.
27. DEMO SINK, CAP WATER & SAN. LINES.
28. DEMO EXISTING FLOOR DRAIN. PREP FOR NEW FD AS SCHEDULED.
29. DEMO RESTROOM FIXTURES INCLUDING CARRIERS.
30. DISCONNECT & REMOVE WATER , SANITARY & GAS CONNECTIONS FROM APPLINCES . COORDINATE WITH K.E.C. DEMOLITION. CAP & ABONDON WATER & SANIATRY LINES CUT & CAP GAS CONNECTIONS PER INDIANA FUEL GAS CODE.
31. DEMO SINK. PREP FOR NEW FIXTURE.
32. DEMO MIXING VALVE & ASSOCIATED CONNECTIONS TO EXISTING WATER LINES .
33. DEMO SINK. CUT SLAB & CAP / ABANDON U.G. SAN & WATER LINES.



KEY PLAN

N

UNIT-B PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: BAUER

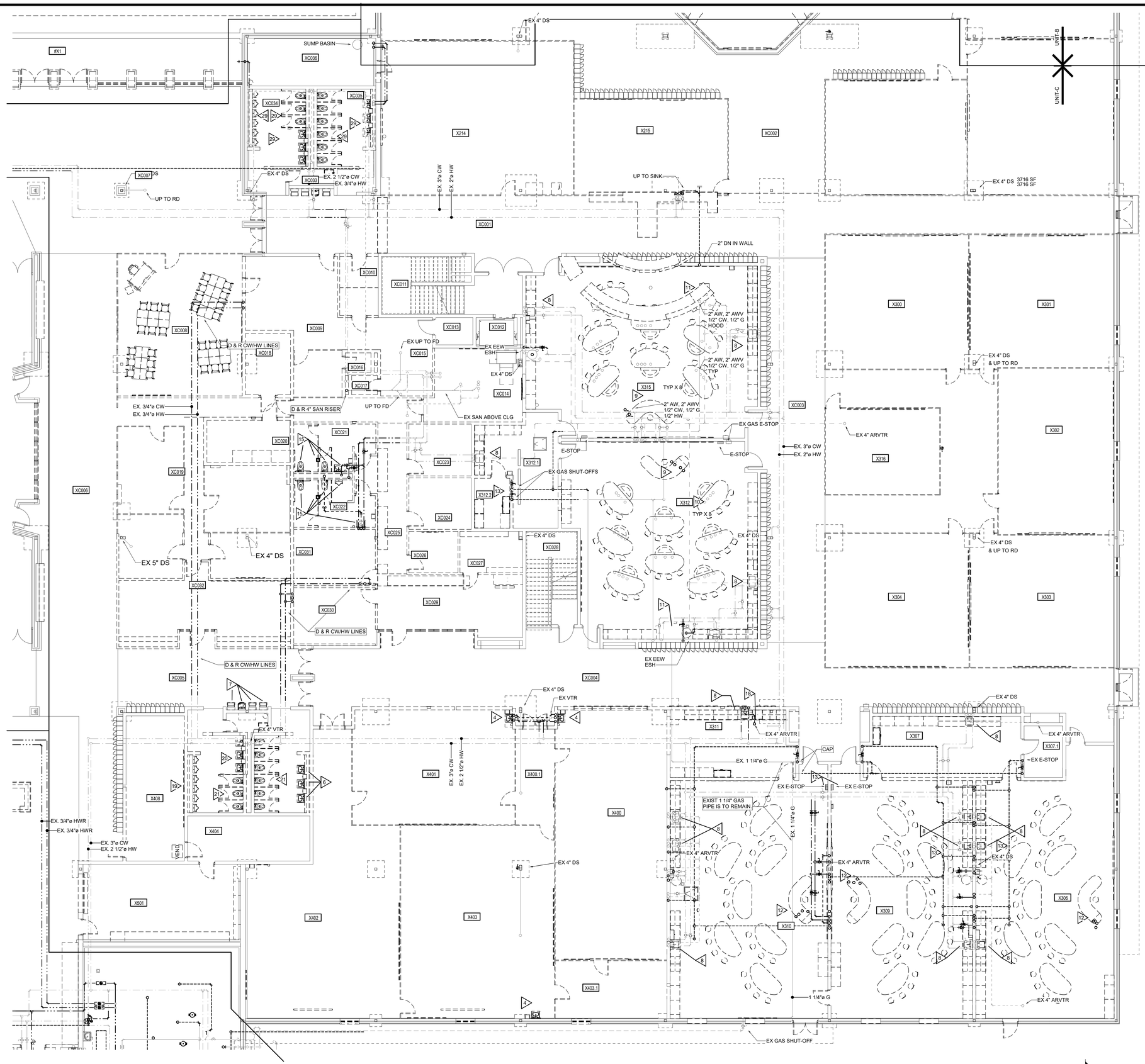
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-B PLUMB DEMO PLAN

SHEET: **P102**

COMM #: 2265

1/16/2024 12:25:23 PM



PROJECT NOTES

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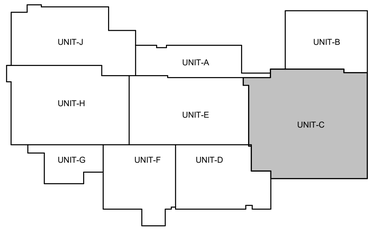

KEY PLAN

N

UNIT-C PLUMBING DEMO PLAN - FIRST FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
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RENOVATIONS AND ADDITIONS TO:
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C PLUMB DEMO PLAN

SHEET: P103

COMM #: 2265

1/16/2024 12:25:35 PM

PROJECT NOTES

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△ DEMOLITION NOTES

1 DEMO 4" RD CONDUCTOR. ROOF DRAIN IS TO REMAIN.
2 DEMO SINK. REMOVE WATER , SAN & VENT LINES AND CAP BELOW FLOOR FINISH. PATCH & PREP FOR NEW FINISH.
3 REMOVE CW & HW LINES TO ABOVE CEILING & BELOW FLOOR & CAP. PATCH PATCH & PREP FLOOR FOR NEW FINISH.
4 DEMO SINK & WATER/ VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & PATCH/ PREP FOR NEW FINISH.
5 DEMO HOSE BIBB & WATER LINE AS SHOW. PATCH EXISTING WALL PENETRATION AS REQ'D.
6 DEMO LAV/ SINK. PREP FOR NEW.
7 DEMO EWC . REWORK AS REQUIRED FOR NEW FIXTURE.
8 DISCONNECT EXISTING UTILITIES FROM LAB SINK.
9 REMOVE AW, AWV, CW, HW & GAS FROM INSTRUCTORS TABLE.
10 REMOVE CW, HW, GAS, AWV & AW FROM TABLE.
11 REMOVE AW, AWV, CW & GAS FROM FUME HOOD.
12 REMOVE AW, AWV, CW & GAS FROM SINK/TABLE. CAP UTILITIES BELOW FLOOR .
13 DEMO GAS LINE AS SHOWN AND ASSOCIATED VALVES AS SHOWN.
14 DEMO RESTROOM GROUP AS SHOWN. PREP FOR NEW FIXTURES.
15 DEMO PLUMBING FIXTURE AS NOTED & WATER, SAN & VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & WATER AND VENT LINES AT POINT OF REMOVEAL.
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19 DEMO URINALS, REWORK FOR NEW LAVS.
20 DEMO LAVS & CARRIERS PREP FOR NEW URINALS AS SHOWN.
21 DEMO WC'S PREP FOR NEW WC'S AS SHOWN.
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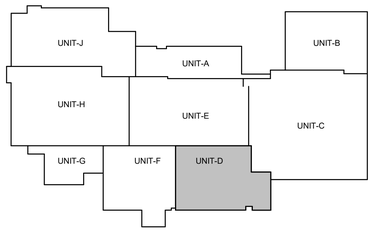
31 DEMO SINK. PREP FOR NEW FIXTURE.
32 DEMO MIXING VALVE & ASSOCIATED CONNECTIONS TO EXISTING WATER LINES .
33 DEMO SINK. CUT SLAB & CAP / ABANDON U.G. SAN & WATER LINES.



KEY PLAN

UNIT-D PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-D PLUMB DEMO PLAN

SHEET: **P104**
COMM #: 2265

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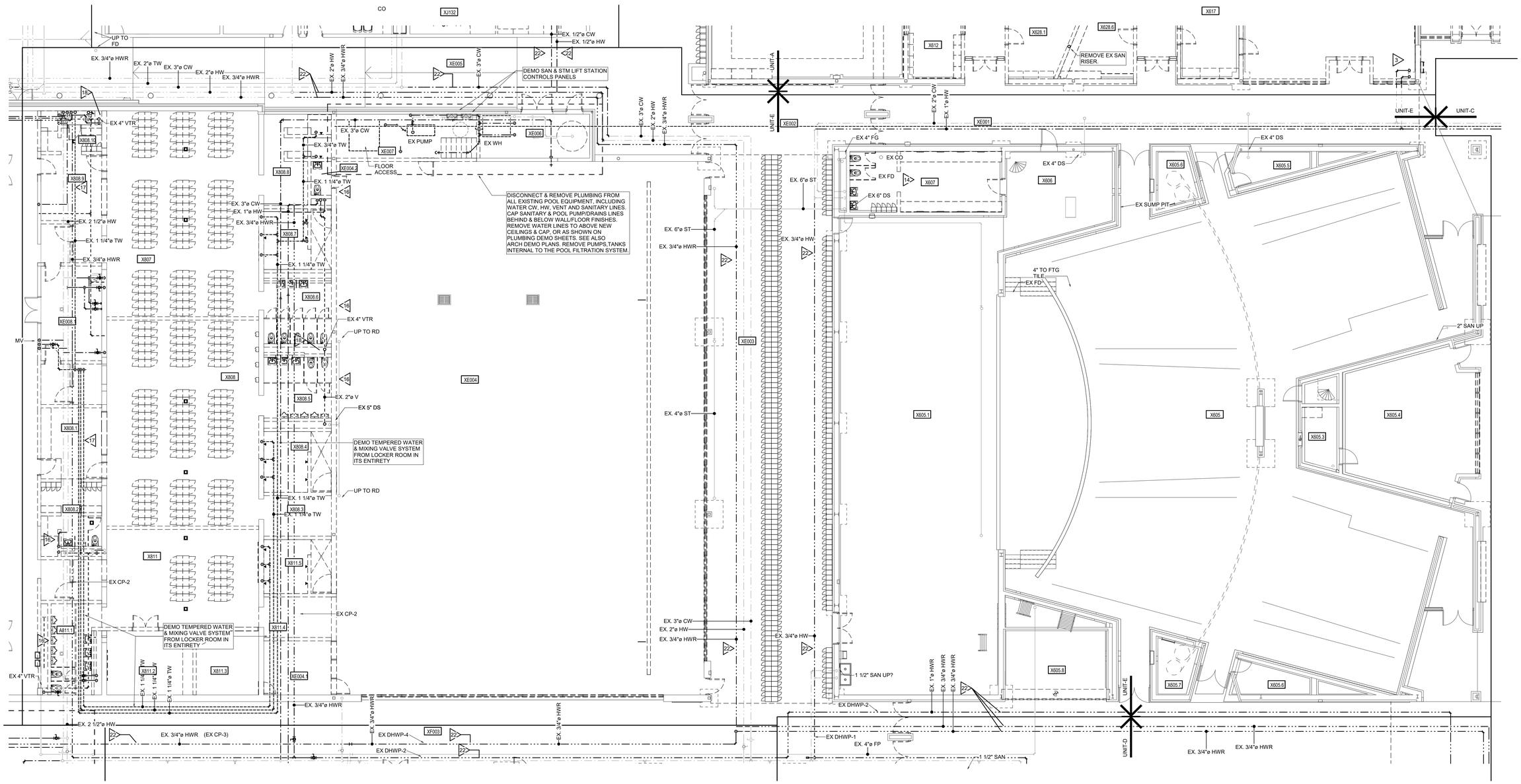

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11 REMOVE AW, AWV, CW & GAS FROM FUME HOOD.
12 REMOVE AW, AWV, CW & GAS FROM SINK/TABLE. CAP UTILITIES BELOW FLOOR .
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14 DEMO RESTROOM GROUP AS SHOWN. PREP FOR NEW FIXTURES.
15 DEMO PLUMBING FIXTURE AS NOTED & WATER, SAN & VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & WATER AND VENT LINES AT POINT OF REMOVEAL.
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17 DEMO HIGHLIGHTED PLUMBING LINES AS SHOWN
18 DEMO VENT THROUGH ROOF. PATCH ROOF PENETRATION AS REQ'D.
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20 DEMO LAVS & CARRIERS PREP FOR NEW URINALS AS SHOWN.
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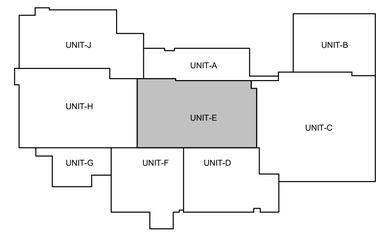

KEY PLAN

UNIT-E PLUMBING DEMO PLAN - FIRST FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
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DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-E PLUMB DEMO PLAN

SHEET: P105
COMM #: 2265

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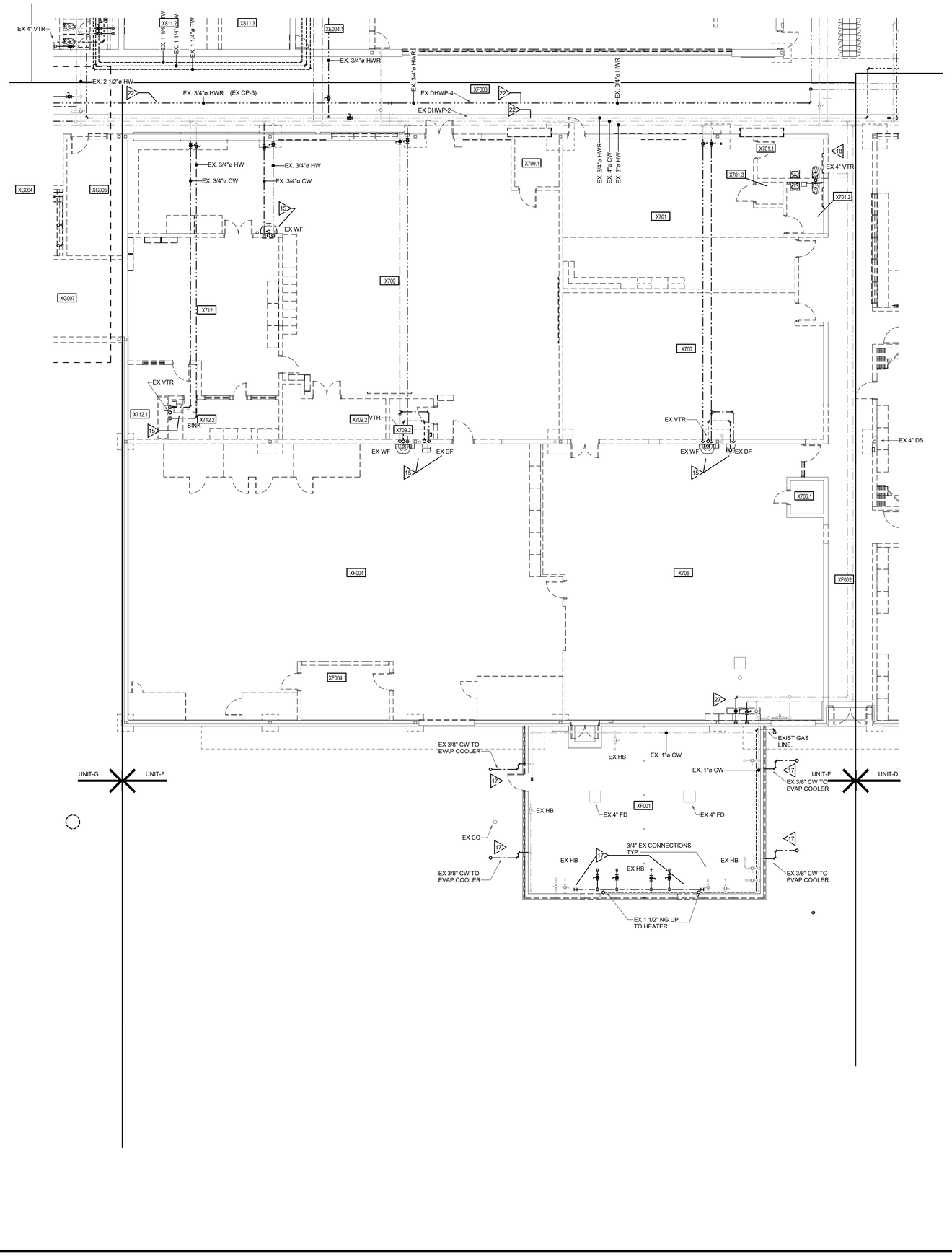

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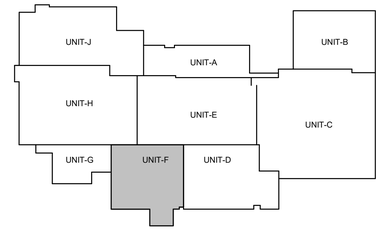

KEY PLAN

UNIT-F PLUMBING DEMO PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-F PLUMB DEMO PLAN

SHEET: **P106**
COMM #: 2265

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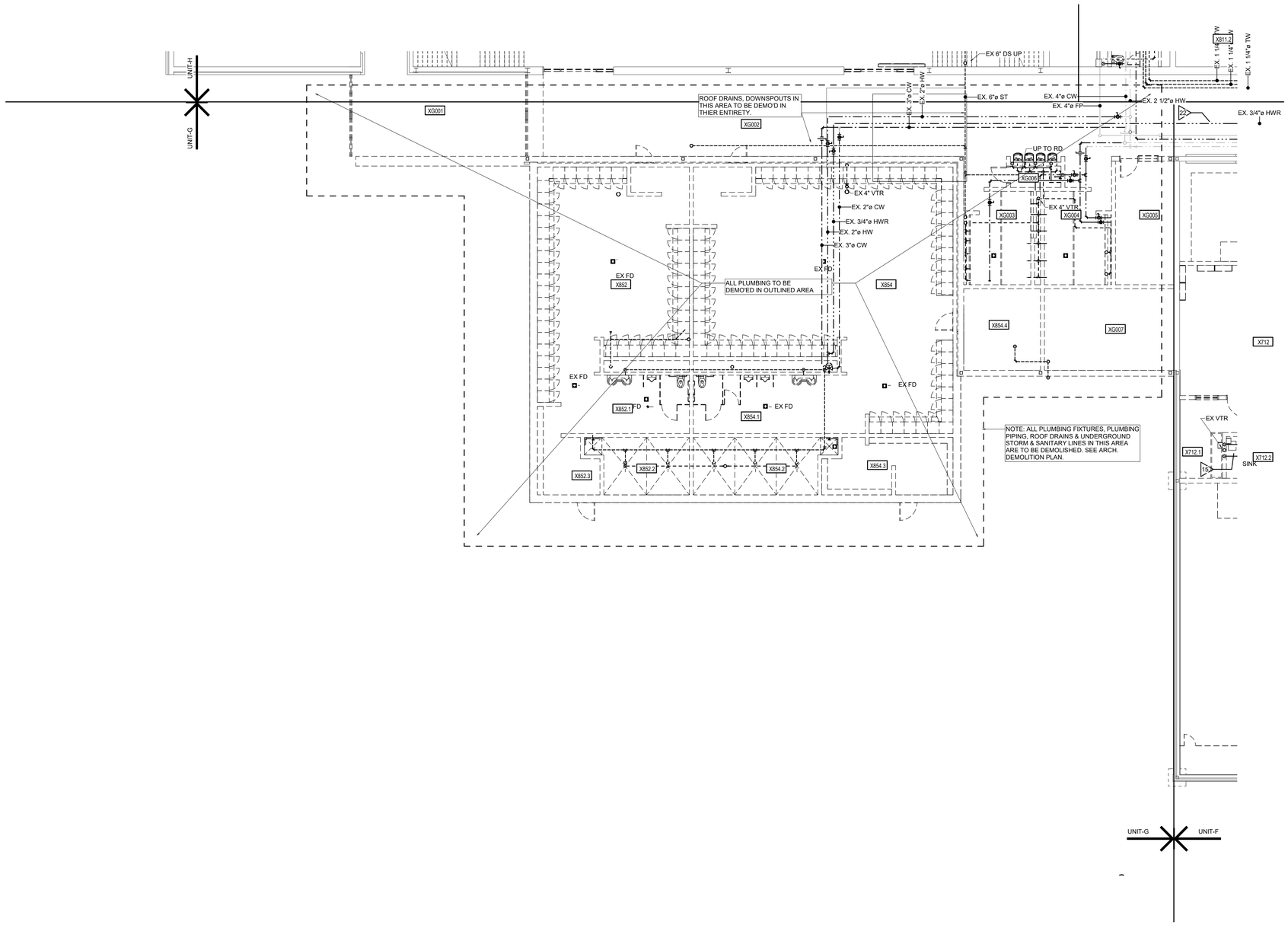

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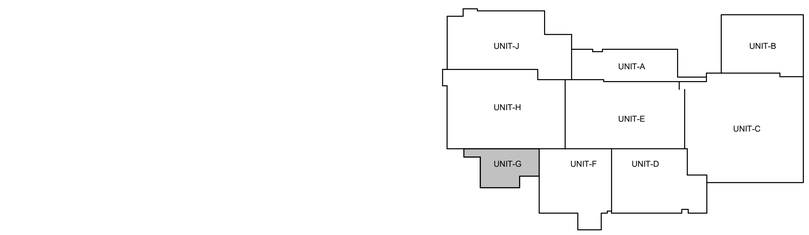

KEY PLAN

N

UNIT-G PLUMBING DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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△ INDICATES REVISION AND DATE

DRAWN BY: **BAUER**

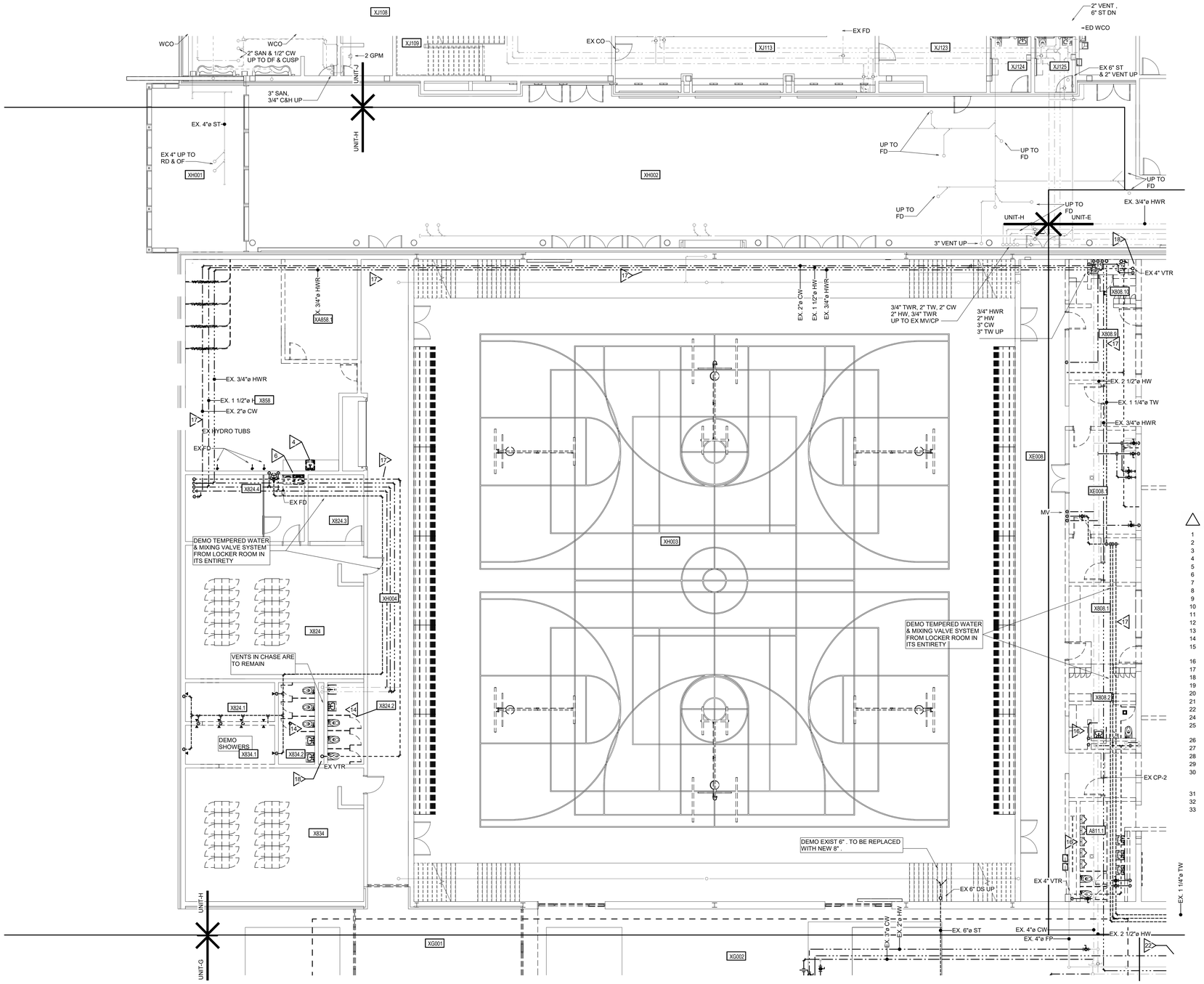
DATE: **JANUARY 16, 2024**

SHEET NAME: UNIT-G PLUMB DEMO PLAN

SHEET: **P107**

COMM #: 2265

1/16/2024 12:24:54 PM



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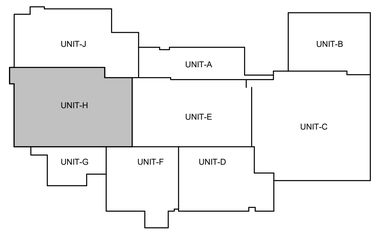

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UNIT-H PLUMBING DEMO PLAN - FIRST FLOOR

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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

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SHEET: **P108**
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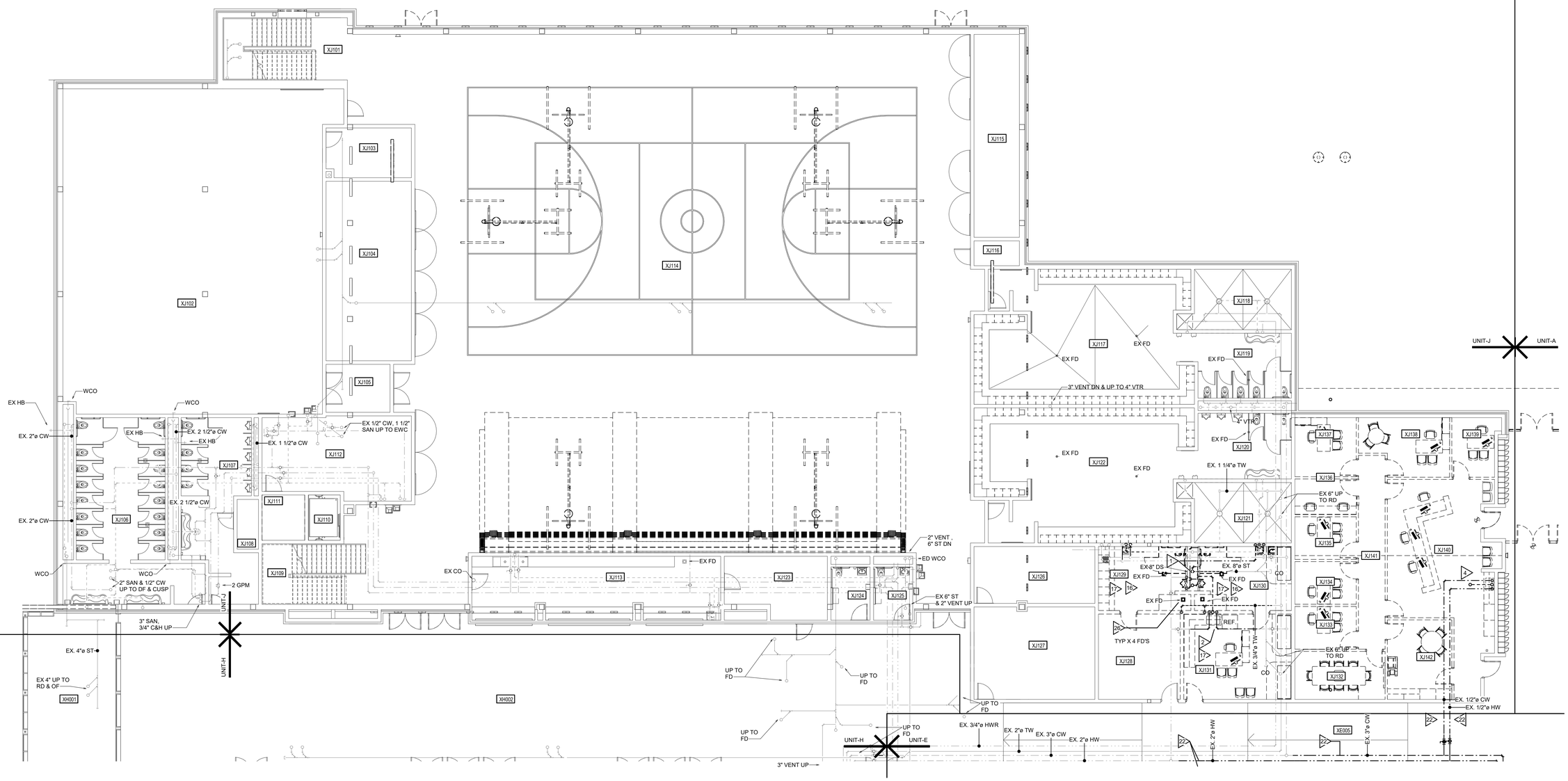
1/16/2024 12:23:18 PM



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2. DEMO SINK. REMOVE WATER , SAN & VENT LINES AND CAP BELOW FLOOR FINISH. PATCH & PREP FOR NEW FINISH.
3. REMOVE CW & HW LINES TO ABOVE CEILING & BELOW FLOOR & CAP. PATCH PATCH & PREP FLOOR FOR NEW FINISH.
4. DEMO SINK & WATER/ VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & PATCH/ PREP FOR NEW FINISH.
5. DEMO HOSE BIBB & WATER LINE AS SHOW. PATCH EXISTING WALL PENETRATION AS REQ'D.
6. DEMO LAV/ SINK. PREP FOF NEW.
7. DEMO EWC . REWORK AS REQUIRED FOR NEW FIXTURE.
8. DISCONNECT EXISTING UTILITIES FROM LAB SINK.
9. REMOVE AW, AWV, CW, HW & GAS FROM INSTRUCTORS TABLE.
10. REMOVE CW, HW, GAS, AWV & AW FROM TABLE.
11. REMOVE AW, AWV, CW & GAS FROM FUME HOOD.
12. REMOVE AW, AWV, CW & GAS FROM SINK/TABLE. CAP UTILITIES BELOW FLOOR .
13. DEMO GAS LINE AS SHOWN AND ASSOCIATED VALVES AS SHOWN.
14. DEMO RESTROOM GROUP AS SHOWN. PREP FOR NEW FIXTURES.
15. DEMO PLUMBING FIXTURE AS NOTED & WATER, SAN & VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & WATER AND VENT LINES AT POINT OF REMOVEAL.
16. DEMO RESTROOM GROUP IN ITS ENTIRETY.
17. DEMO HIGHLIGHTED PLUMBING LINES AS SHOWN
18. DEMO VENT THROUGH ROOF. PATCH ROOF PENETRATION AS REQ'D.
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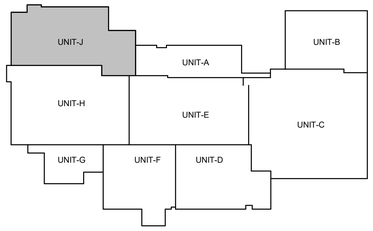
32. DEMO MIXING VALVE & ASSOCIATED CONNECTIONS TO EXISTING WATER LINES .
33. DEMO SINK. CUT SLAB & CAP / ABANDON U.G. SAN & WATER LINES.



KEY PLAN

N

UNIT-J PLUMBING DEMO PLAN - FIRST FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: **BAUER**

DATE: **JANUARY 16, 2024**

SHEET NAME:
UNIT-J PLUMB DEMO PLAN

SHEET: **P109**

COMM #: 2265

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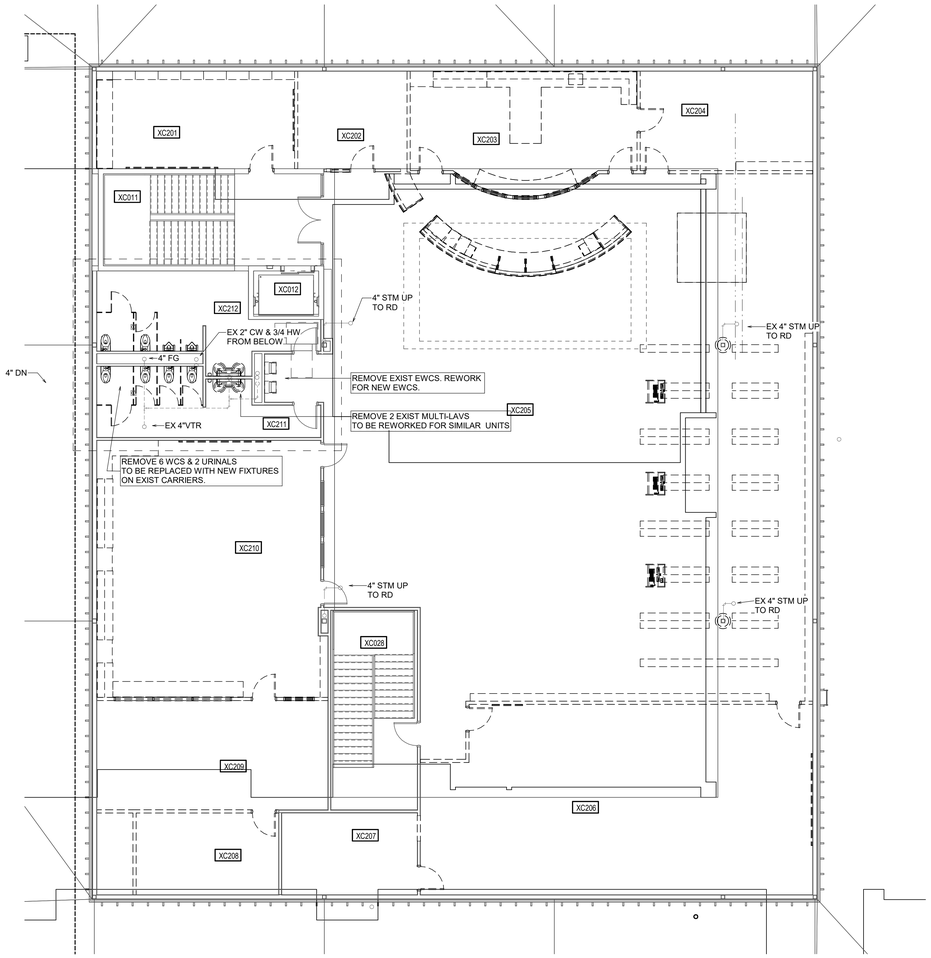

PROJECT NOTES

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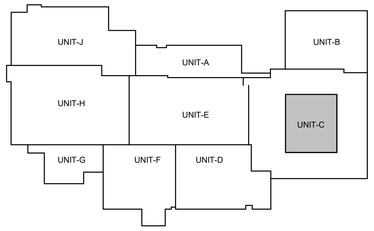

KEY PLAN

N

UNIT-C PLUMBING DEMO PLAN - UPPER FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C PLUMB DEMO PLAN - UPPER FLOOR

SHEET: **P123**

COMM #: 2265

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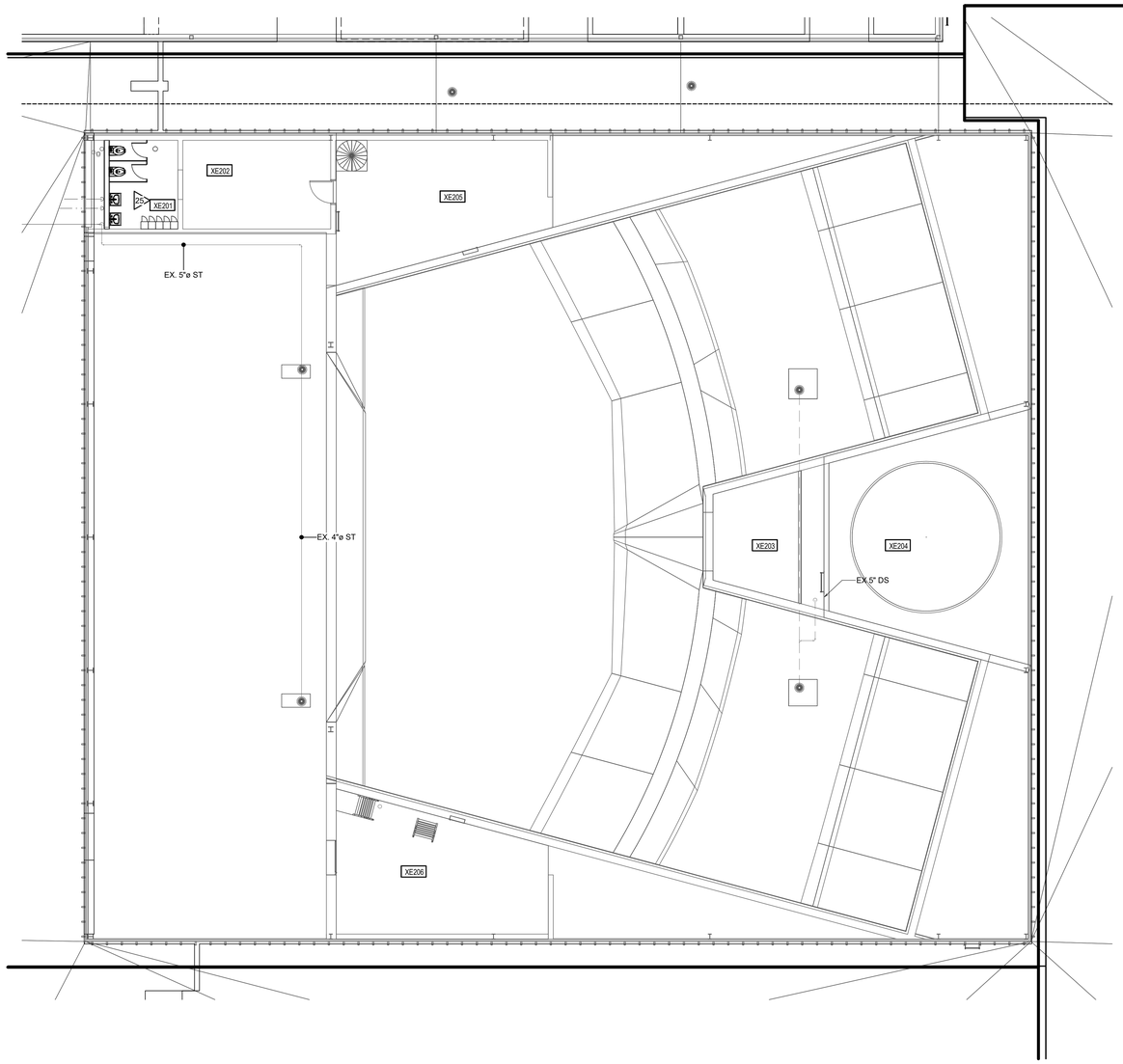

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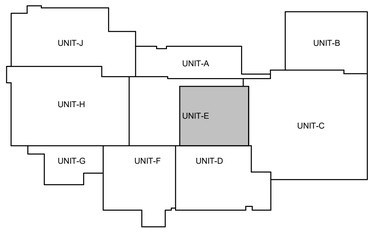

KEY PLAN

N

UNIT-E PLUMBING DEMO - UPER LEVEL
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-E PLUMB DEMO PLAN - UPPER LEVEL

SHEET: **P125**
COMM #: 2265

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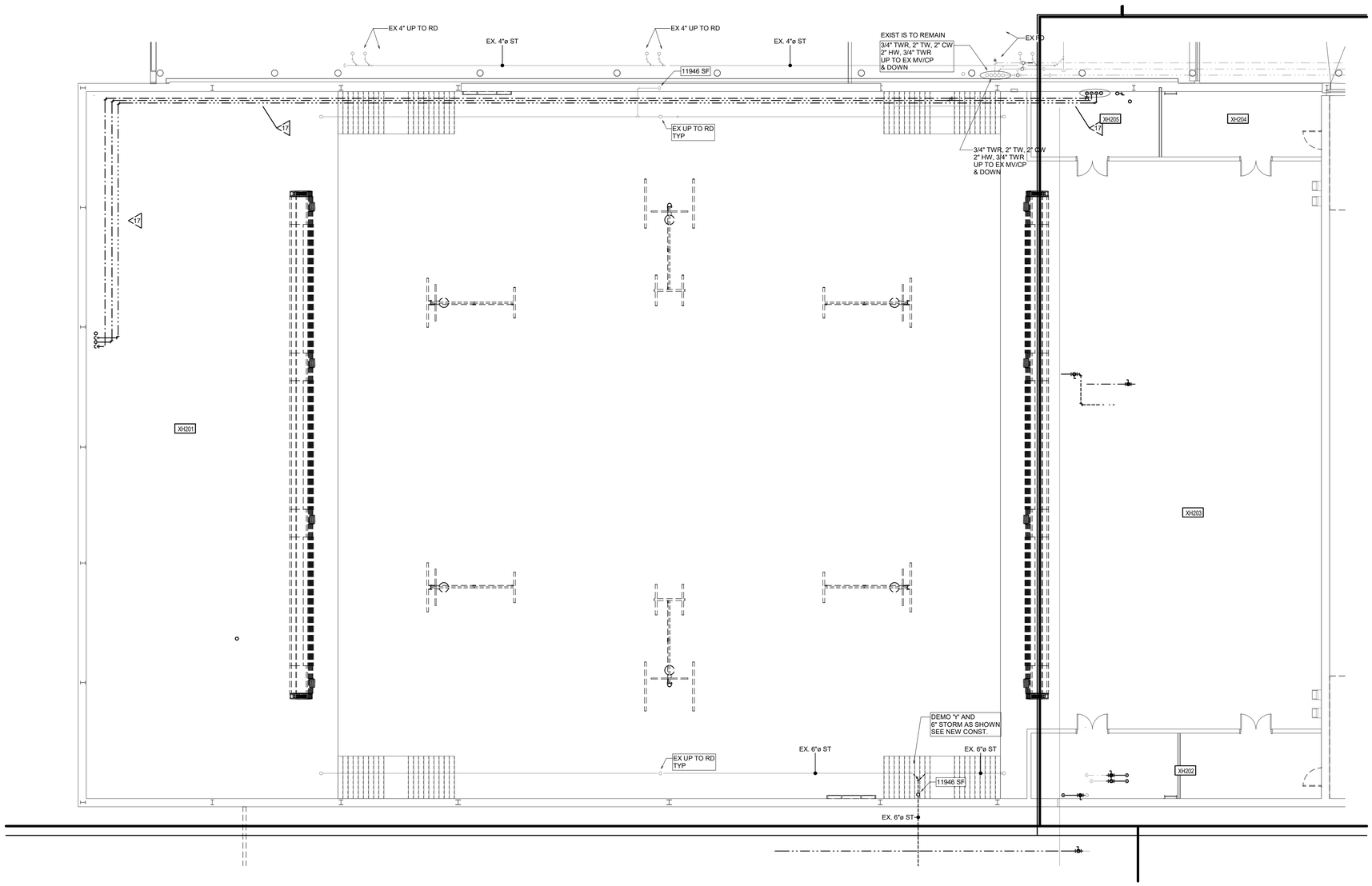

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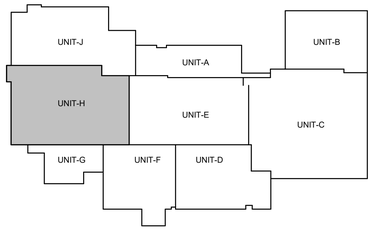

KEY PLAN

N

UNIT-H PLUMBING DEMO PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF
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PROFESSIONAL ENGINEER

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DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-H PLUMB DEMO PLAN - UPPER LEVEL
SHEET:	P128
COMM #:	2265

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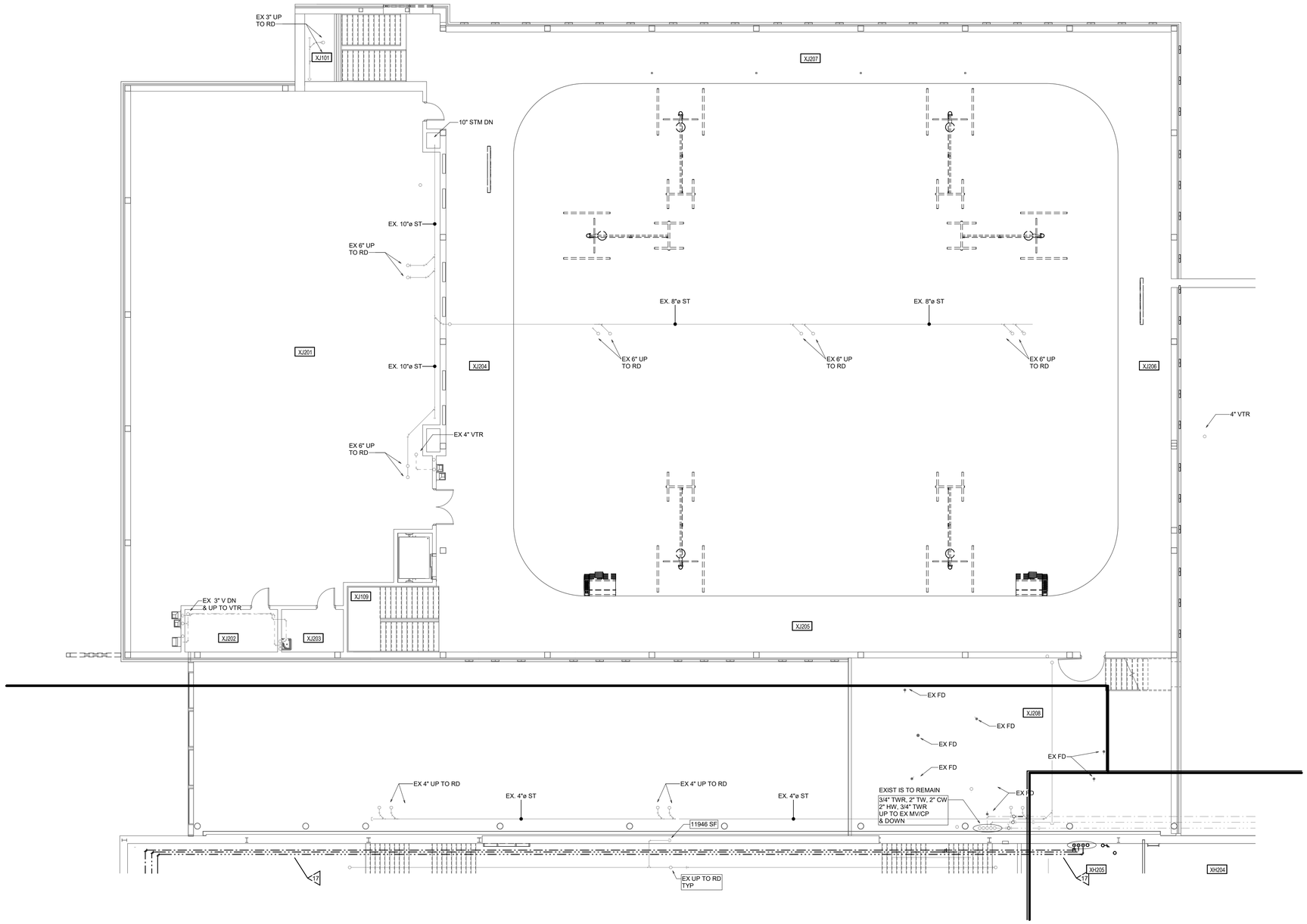

CONSTRUCTION NOTES

1. PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2. PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10. CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12. CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14. PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16. 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17. INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18. 2" SAN UP TO FLOOR DRAIN.
19. CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
20. 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.

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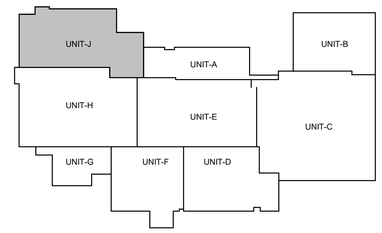
INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.



KEY PLAN

UNIT-J PLUMBING DEMO PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J PLUMB DEMO PLAN - UPPER LEVEL
SHEET:	P129
COMM #:	2265

1/16/2024 12:25:43 PM

GENERAL UNDERGROUND PLUMBING NOTES

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SEE KITCHEN DRAWINGS FOR FINAL CONNECTION REQUIREMENTS AND ROUGH-IN HEIGHTS.

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TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
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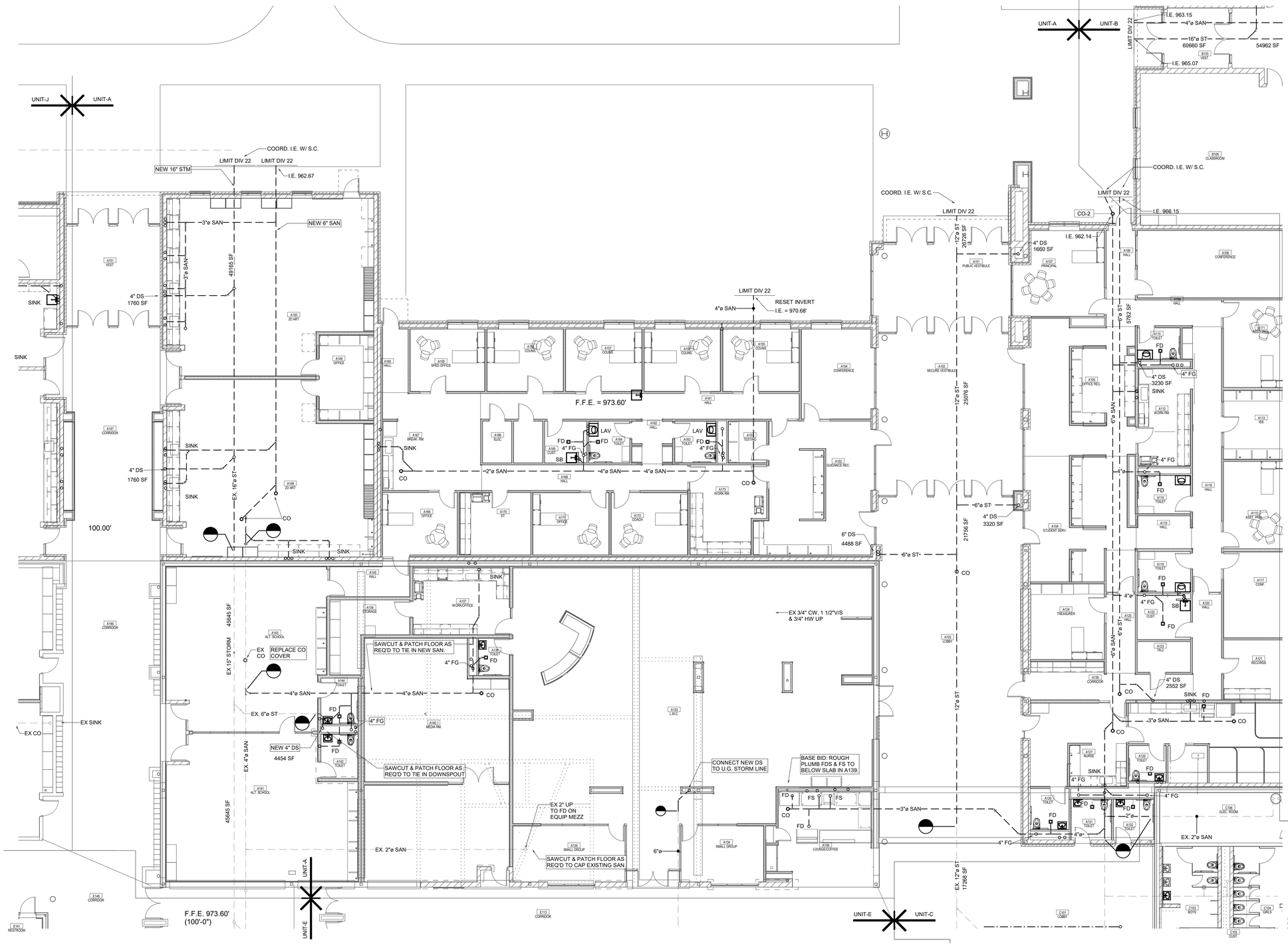
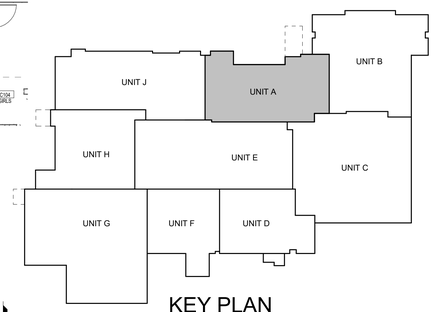
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



2 P201 COFFEE SHOP UG PLUMBING PLAN
SCALE : 1/8" = 1'-0"



KEY PLAN

UNIT-A U.G. PLUMBING PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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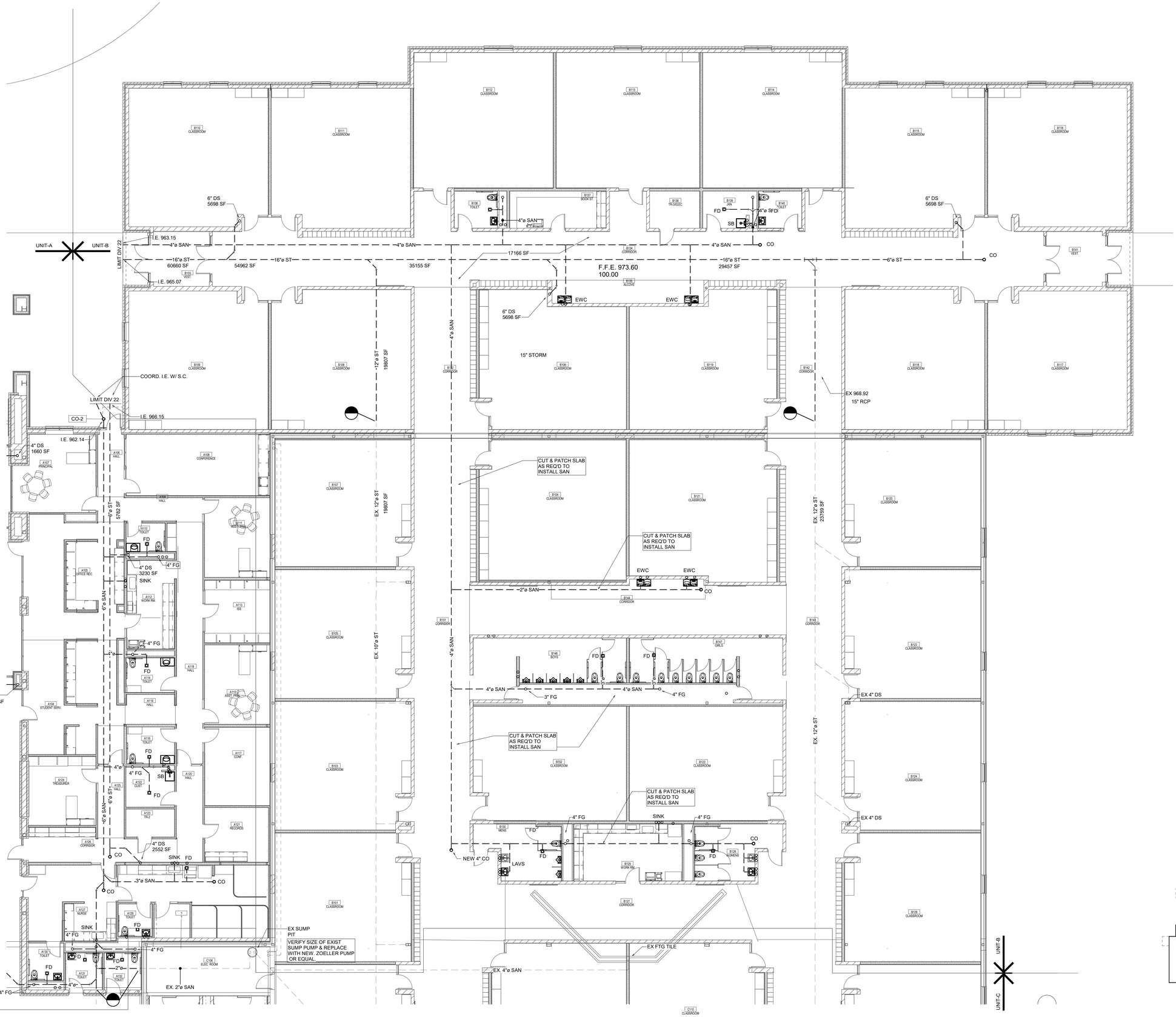
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-A U.G. PLUMBING PLAN
SHEET:	P201
COMM #:	2265

1/16/2024 12:23:30 PM



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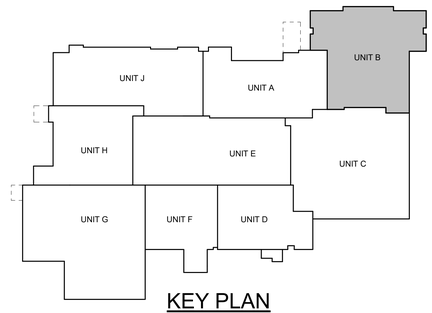
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

UNIT-B U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910439
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

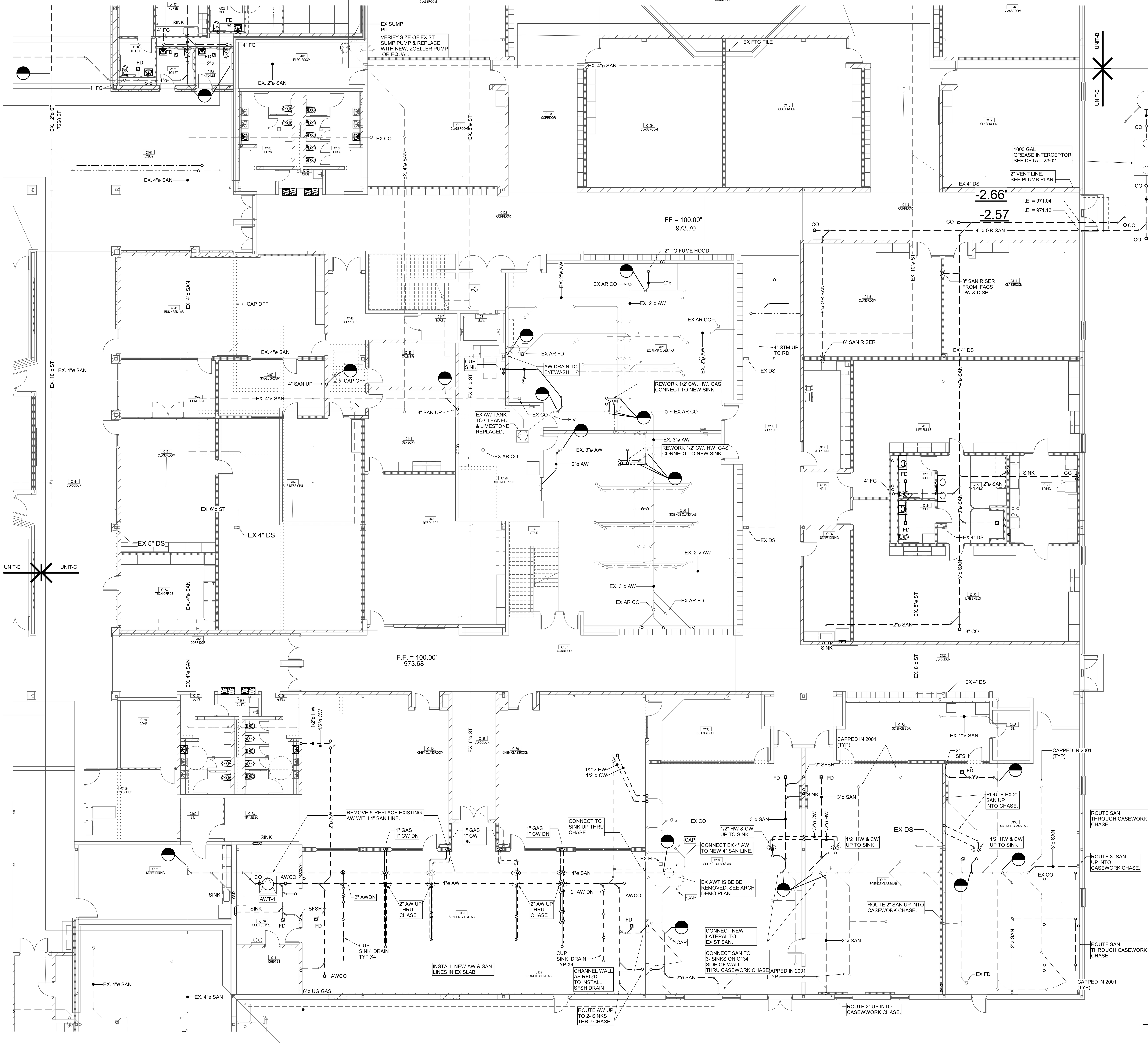
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-B U.G. PLUMBING PLAN

SHEET: P202

COMM #: 2265

1/16/2024 12:24:54 PM



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HB-*	---	---	---	3/4"
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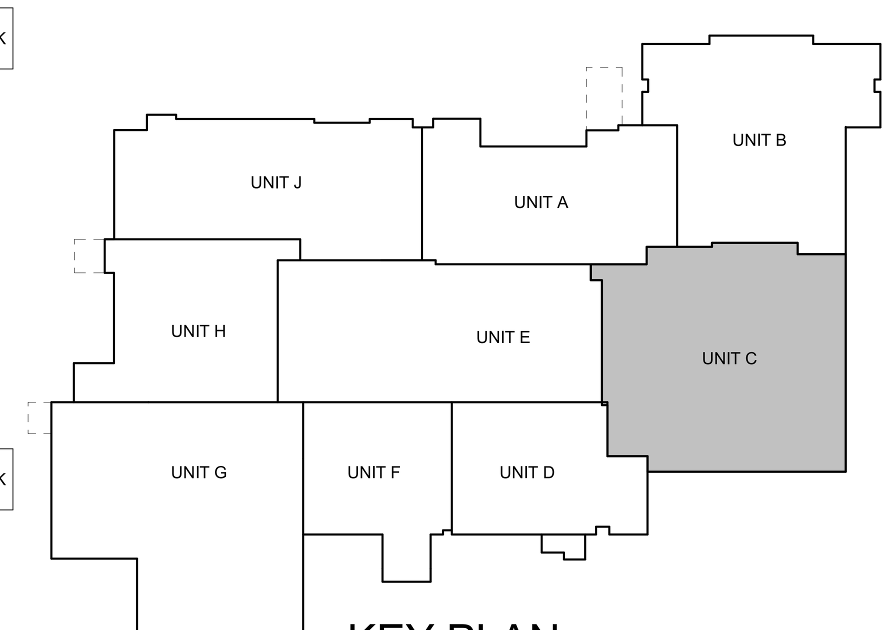

KEY PLAN

UNIT-C U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

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MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C U.G. PLUMBING PLAN

SHEET: **P203**

COMM #: 2265

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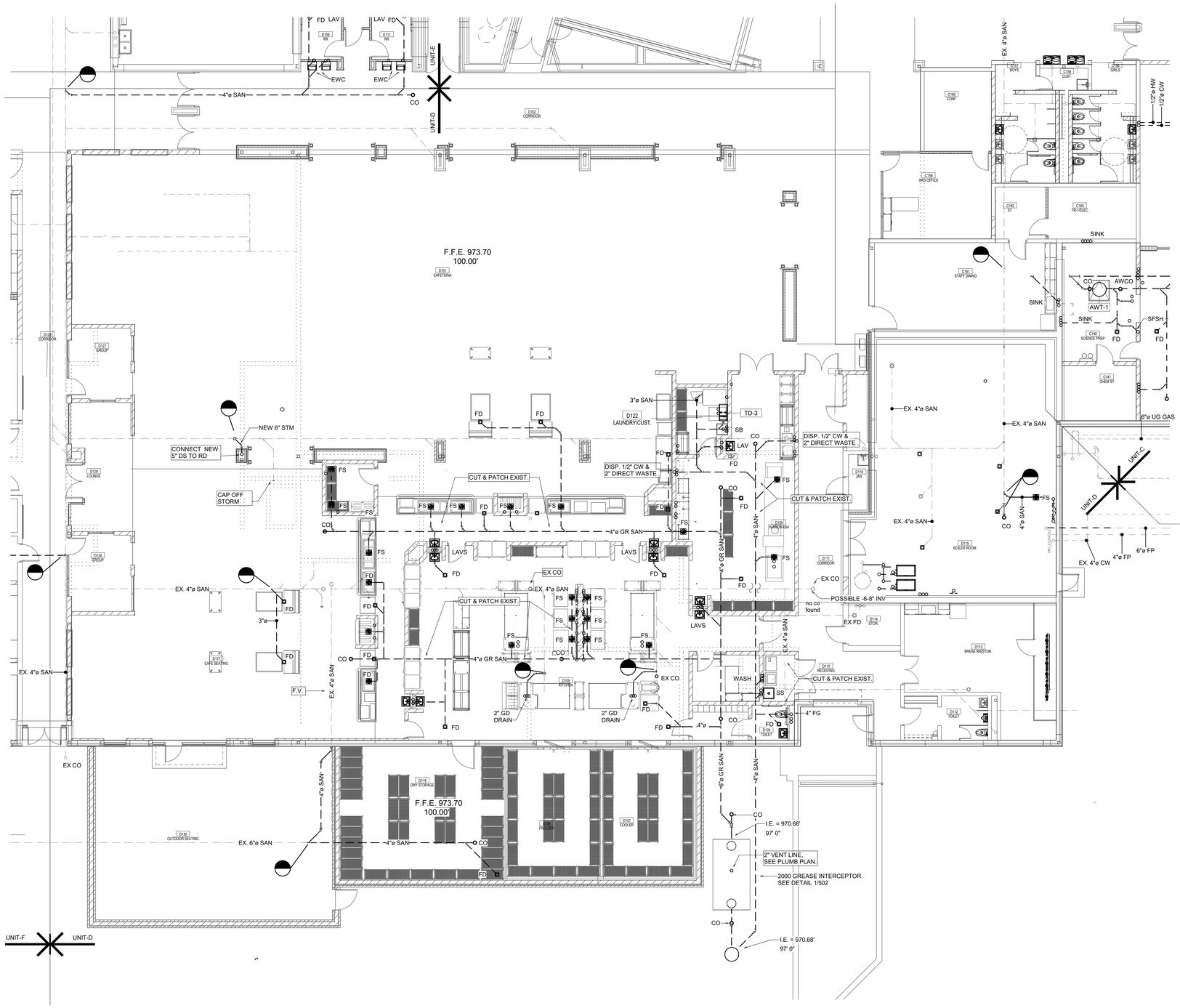

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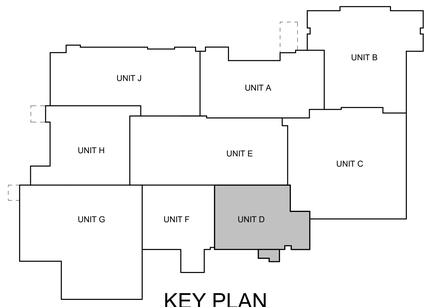

KEY PLAN

UNIT-D U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

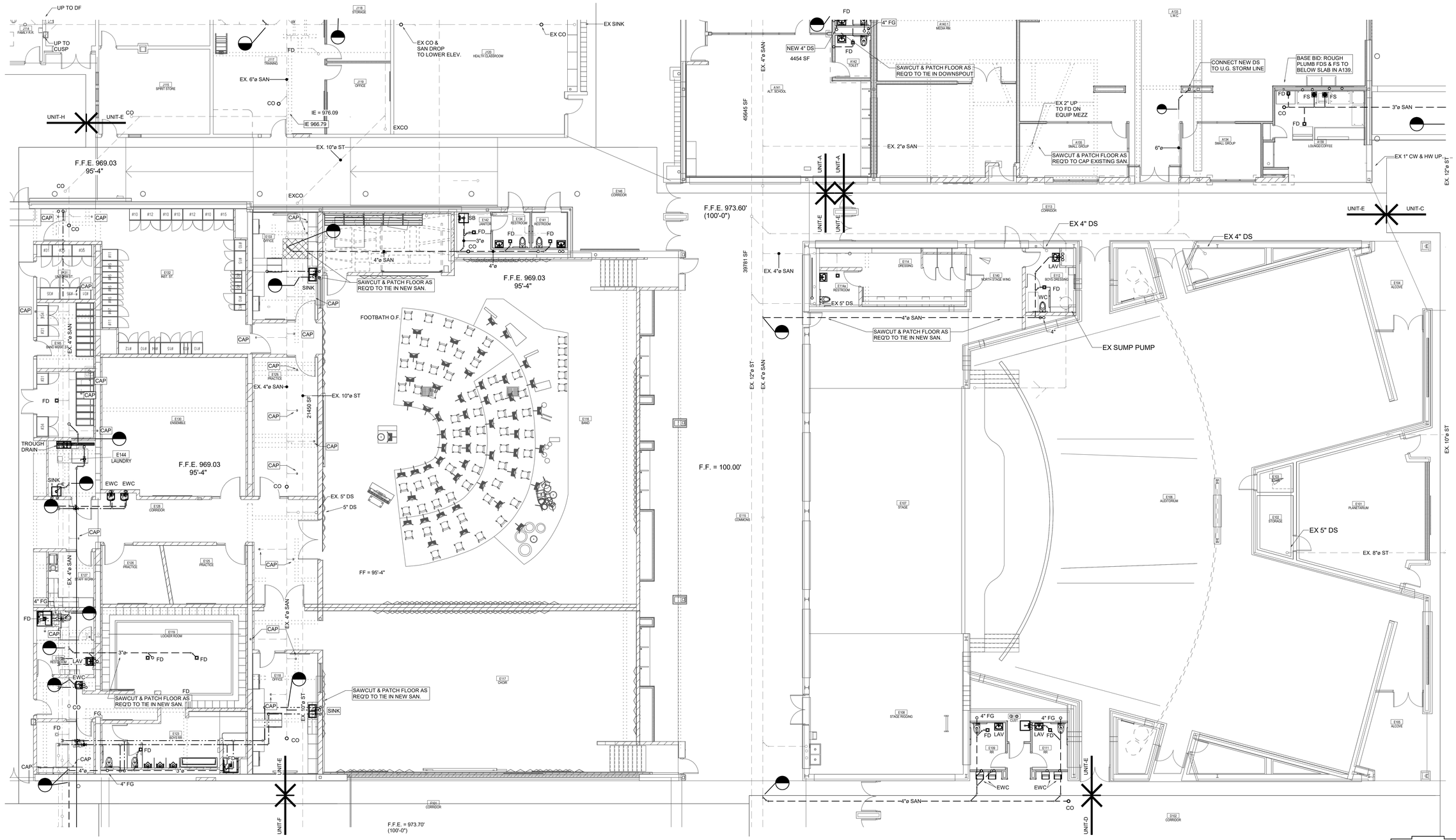
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-D U.G. PLUMBING PLAN

SHEET: **P204**

COMM #: 2265

1/16/2024 12:27:19 PM



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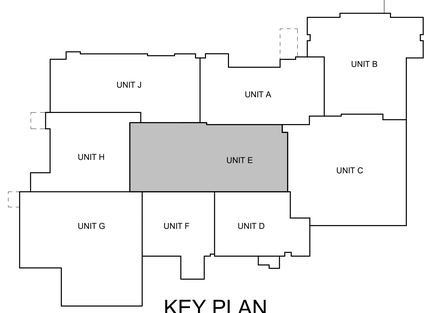

KEY PLAN

UNIT-E U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
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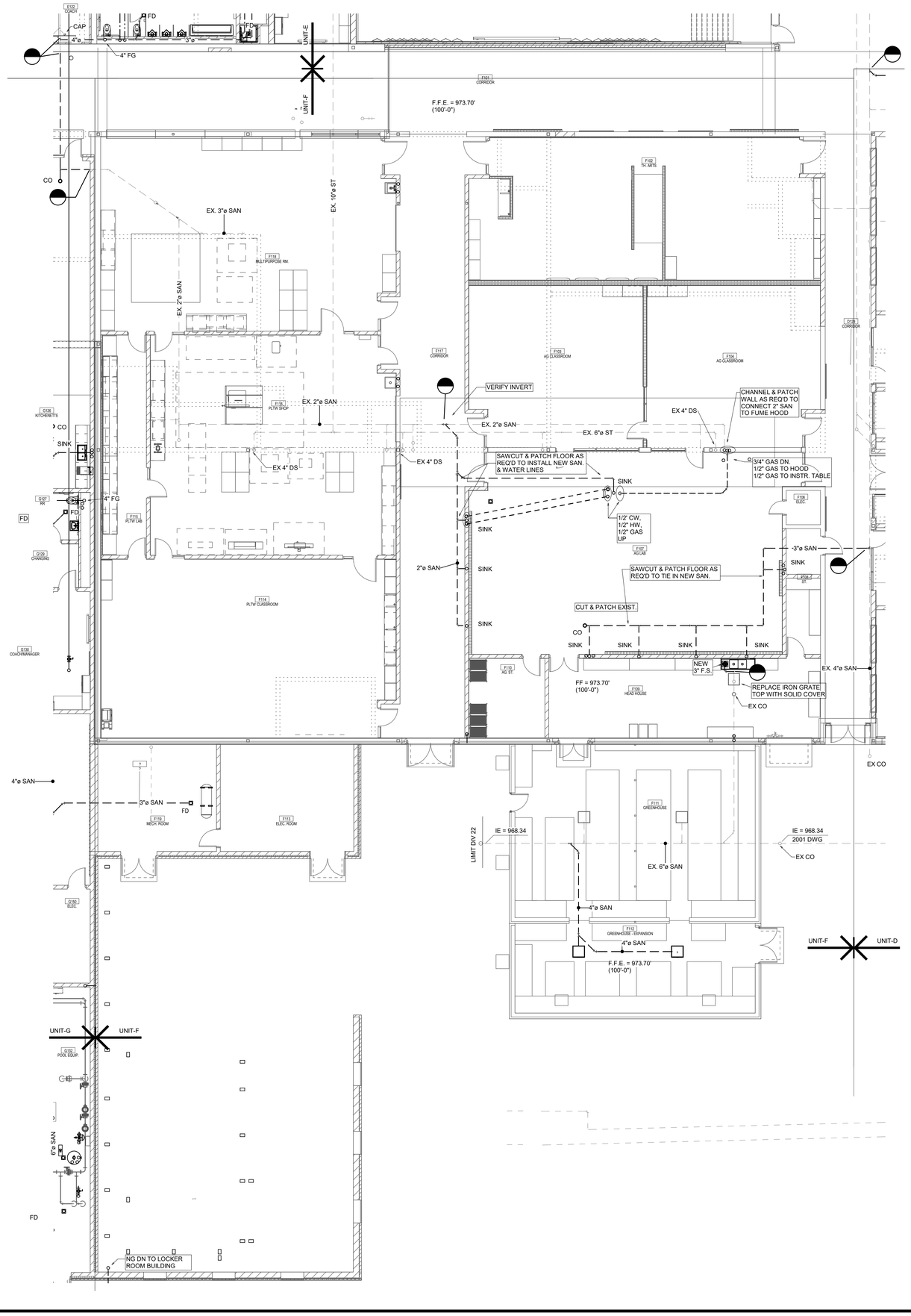
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-E U.G. PLUMBING PLAN
SHEET:	P205
COMM #:	2265

1/16/2024 10:23:17 PM



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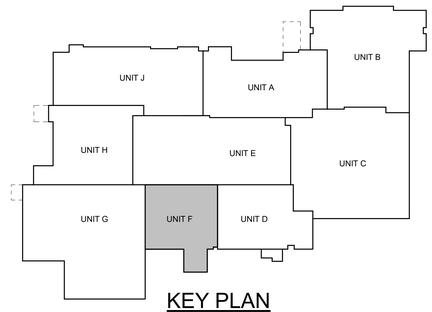

KEY PLAN

UNIT-F U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: **BAUER**

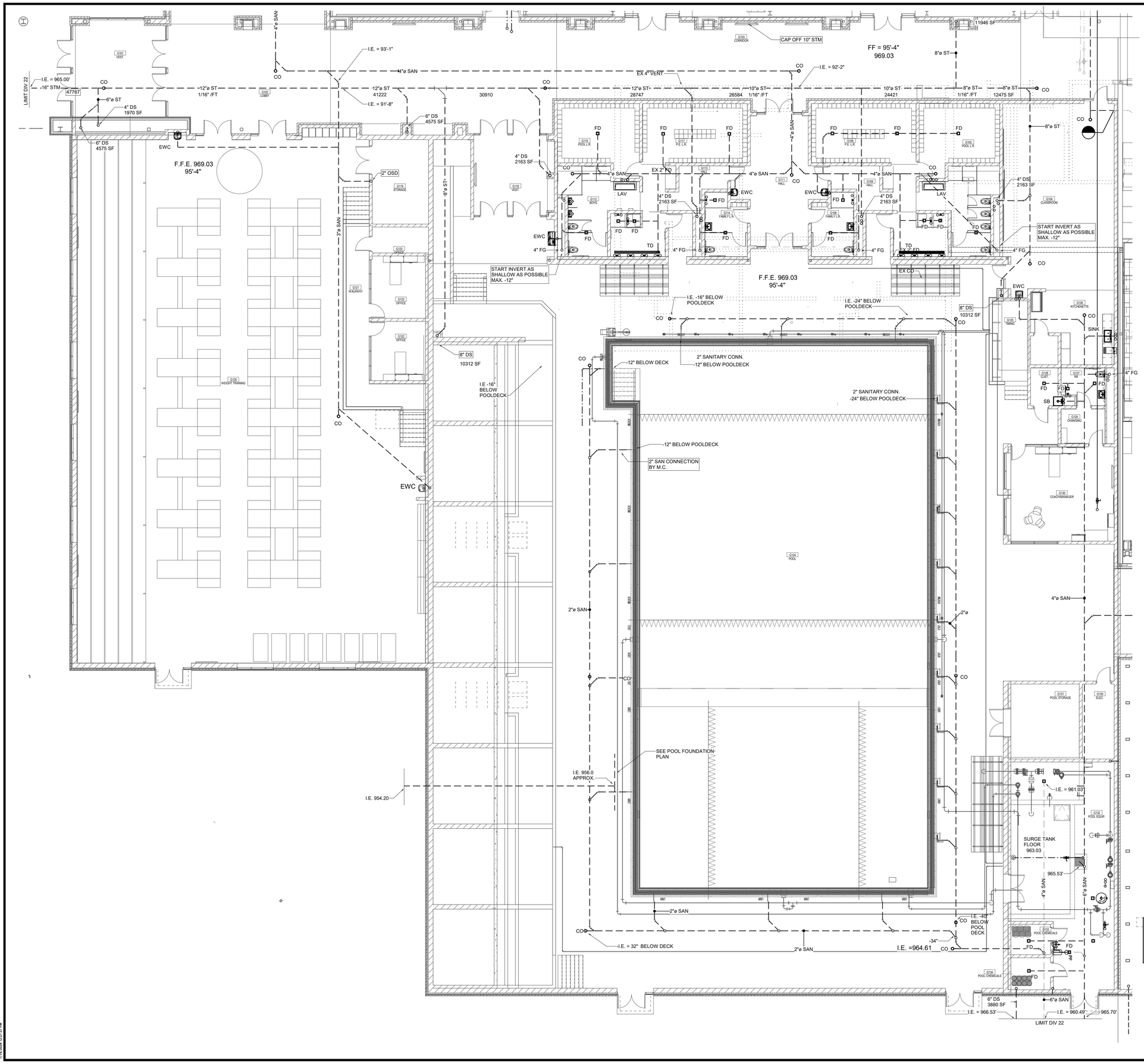
DATE: **JANUARY 16, 2024**

SHEET NAME: UNIT-F U.G. PLUMBING PLAN

SHEET: **P206**

COMM #: 2265

1/16/2024 12:27:22 PM



GENERAL UNDERGROUND PLUMBING NOTES

ALL SANITARY AND STORM PIPING TO BE SCHEDULE 40 PVC OR CAST IRON, EXCEPT FOR ACID WASTE SANITARY. WHERE FIXTURES ARE SERVED BY 140 deg OR HIGHER WATER (KITCHEN TYPICALLY), CONTRACTOR SHALL INSTALL CAST IRON FOR THE FIRST TEN FEET FROM THE DRAIN.

ALL PIPING FROM INSIDE FOUNDATION WALL AND ALL SANITARY AND STORM PIPING 2" AND BELOW SHALL BE AT 1/4" SLOPE PER FOOT.

ALL SANITARY AND STORM PIPING 3" - 6" SHALL BE AT 1/8" PER FOOT.

ALL SANITARY 8" AND ABOVE SHALL BE AT 1/16" PER FOOT.

ALL SANITARY AND STORM PIPING TURNS SHALL BE SHALL BE NO GREATER THAN 45 DEGREES.

DIVISION 22 TO MAKE ALL FINAL CONNECTIONS TO DIVISION 33 SANITARY AND STORM PIPING .

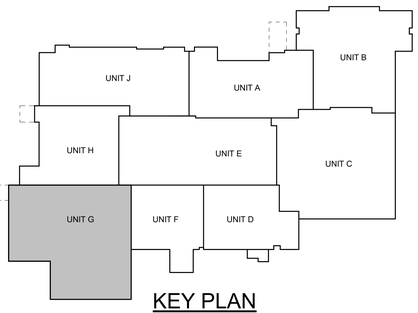
SEE KITCHEN DRAWINGS FOR FINAL CONNECTION REQUIREMENTS AND ROUGH-IN HEIGHTS.

CLEANOUTS SHALL BE INSTALLED IN ALL SANITARY AND STORM LINES WHERE SHOWN ON DRAWINGS AND AS REQUIRED BY THE PLUMBING CODE AND/OR FIELD CONDITIONS. CLEANOUTS SHALL BE PROVIDED AT THE BASE OF EACH SANITARY AND STORM STACK, AT INTERVALS OF 100' MAXIMUM DISTANCE IN STRAIGHT RUNS, AT EACH CHANGE IN DIRECTION, AND AT THE END OF ALL BRANCHES. IF UNCLEAR WITH LOCATIONS, CONSULT ENGINEER.

TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

UNIT-G U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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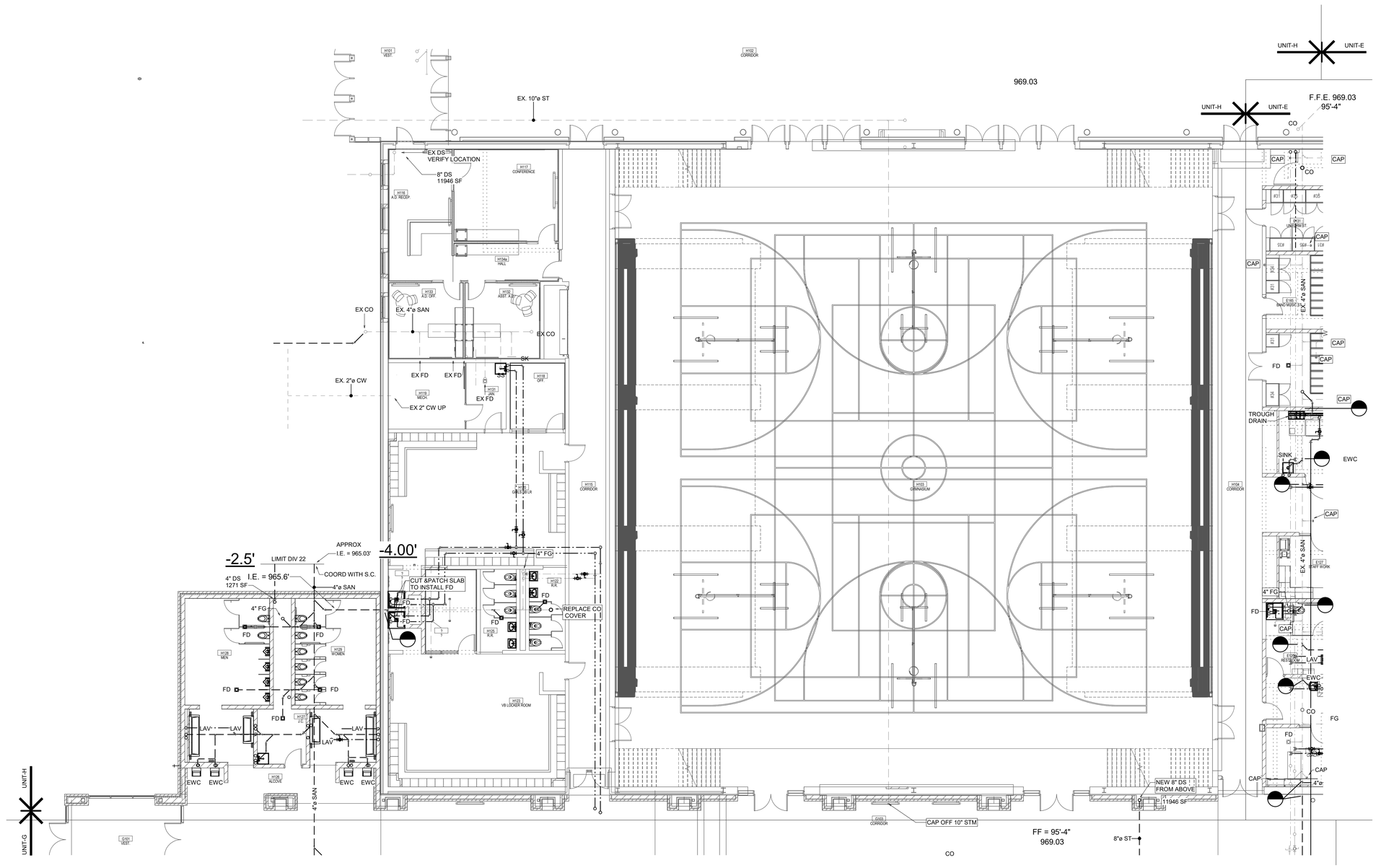
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-G U.G. PLUMBING PLAN

SHEET: **P207**

COMM #: 2265

1/16/2024 1:23:27 PM



GENERAL UNDERGROUND PLUMBING NOTES

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ALL PIPING FROM INSIDE FOUNDATION WALL AND ALL SANITARY AND STORM PIPING 2" AND BELOW SHALL BE AT 1/4" SLOPE PER FOOT.

ALL SANITARY AND STORM PIPING 3" - 6" SHALL BE AT 1/8" PER FOOT.

ALL SANITARY 8" AND ABOVE SHALL BE AT 1/16" PER FOOT.

ALL SANITARY AND STORM PIPING TURNS SHALL BE SHALL BE NO GREATER THAN 45 DEGREES.

DIVISION 22 TO MAKE ALL FINAL CONNECTIONS TO DIVISION 33 SANITARY AND STORM PIPING .

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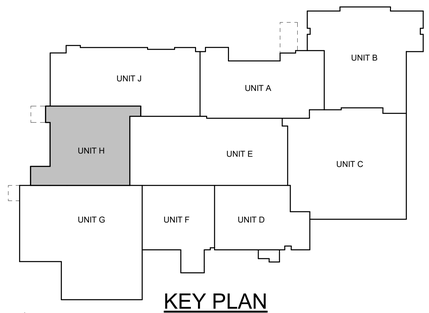
CLEANOUTS SHALL BE INSTALLED IN ALL SANITARY AND STORM LINES WHERE SHOWN ON DRAWINGS AND AS REQUIRED BY THE PLUMBING CODE AND/OR FIELD CONDITIONS. CLEANOUTS SHALL BE PROVIDED AT THE BASE OF EACH SANITARY AND STORM STACK, AT INTERVALS OF 100' MAXIMUM DISTANCE IN STRAIGHT RUNS, AT EACH CHANGE IN DIRECTION, AND AT THE END OF ALL BRANCHES. IF UNCLEAR WITH LOCATIONS, CONSULT ENGINEER.

TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

UNIT-H U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

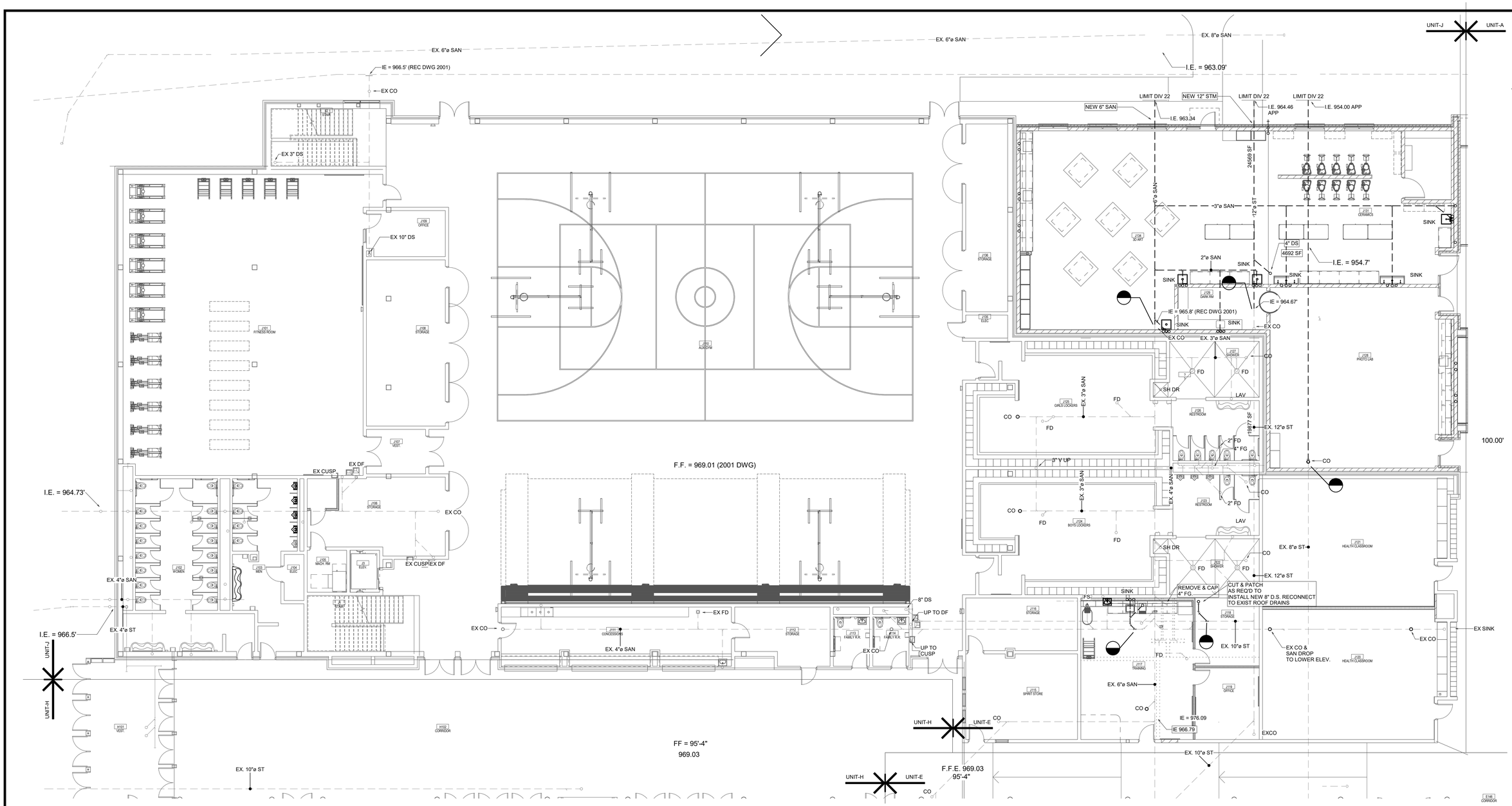
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H U.G. PLUMBING PLAN

SHEET: P208

COMM #: 2265

1/14/2024 12:27:33 PM



GENERAL UNDERGROUND PLUMBING NOTES

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ALL SANITARY AND STORM PIPING TURNS SHALL BE SHALL BE NO GREATER THAN 45 DEGREES.

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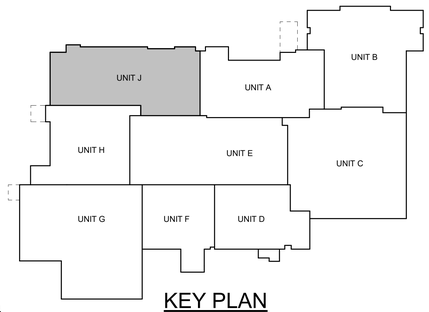
TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

UNIT-J U.G. PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

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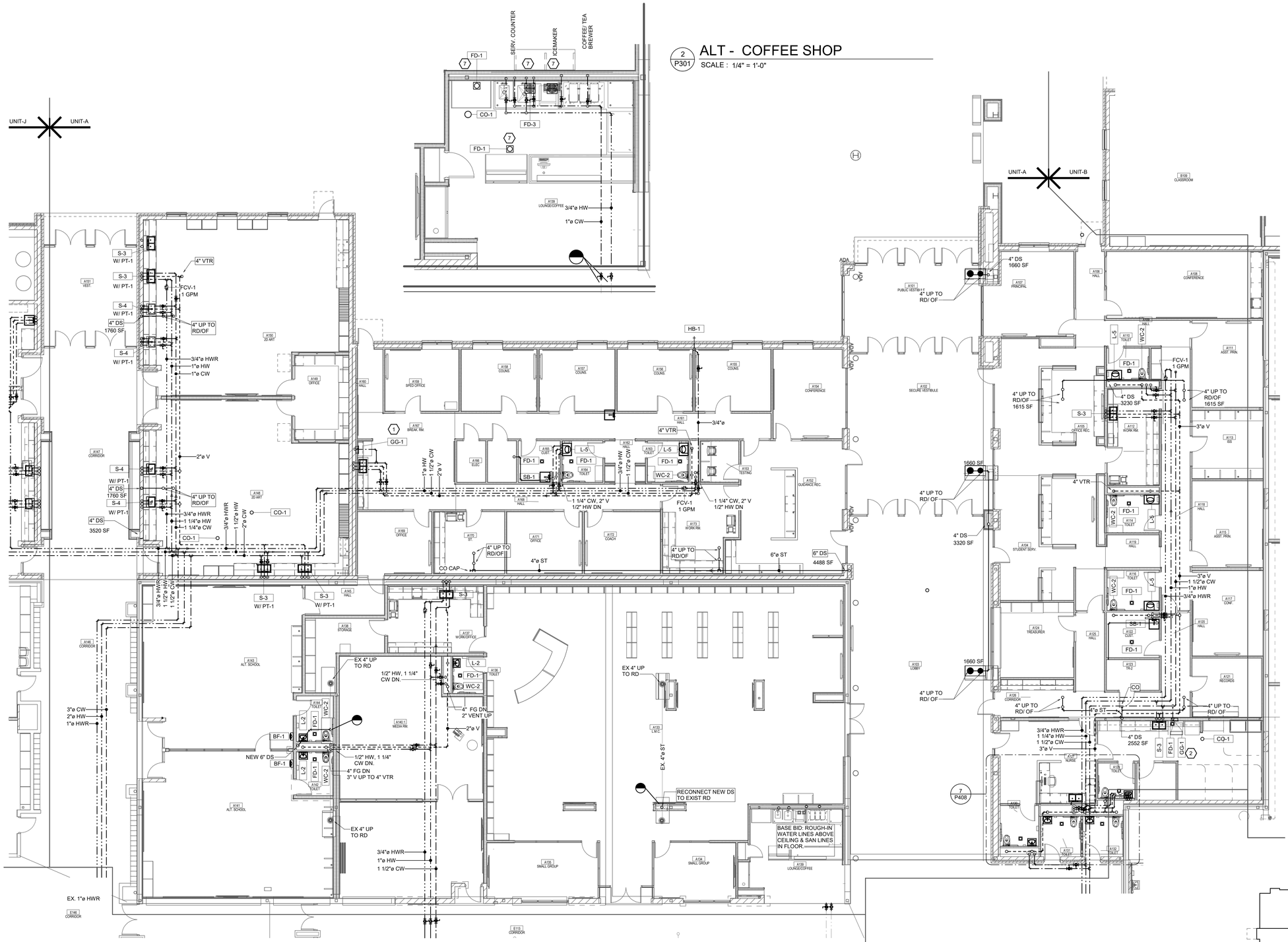
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J U.G. PLUMBING PLAN

SHEET: **P209**

COMM #: 2265

1/16/2024 12:27:31 PM



2 P301 ALT - COFFEE SHOP

SCALE : 1/4" = 1'-0"

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

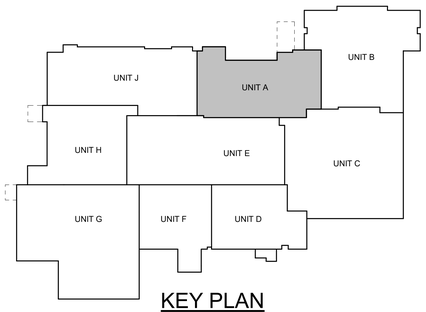
TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
LI-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1. PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2. PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10. CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12. CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14. PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16. 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17. INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18. 2" SAN UP TO FLOOR DRAIN.
19. CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK, CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" GW LINE.
20. 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.



KEY PLAN

UNIT-A PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-A PLUMBING PLAN
SHEET:	P301
COMM #:	2265

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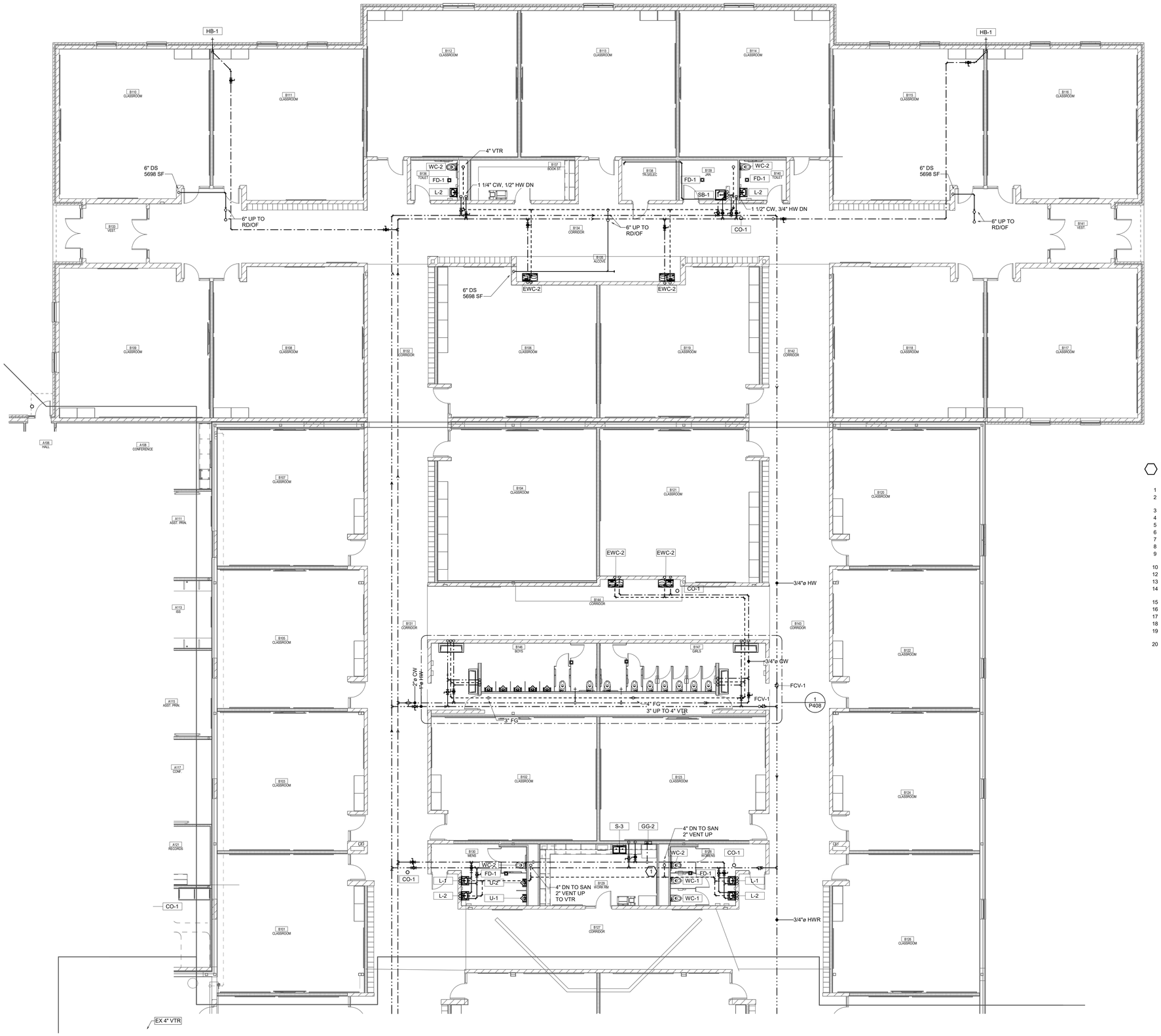

PROJECT NOTES

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CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

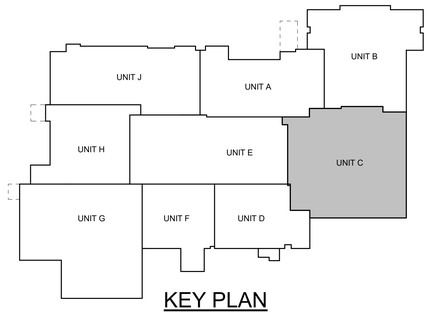
TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1 PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2 PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3 REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4 PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5 PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6 PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7 ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8 CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9 CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10 CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12 CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13 SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14 PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17 INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18 2" SAN UP TO FLOOR DRAIN.
19 CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
20 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.



KEY PLAN

UNIT-B PLUMBING PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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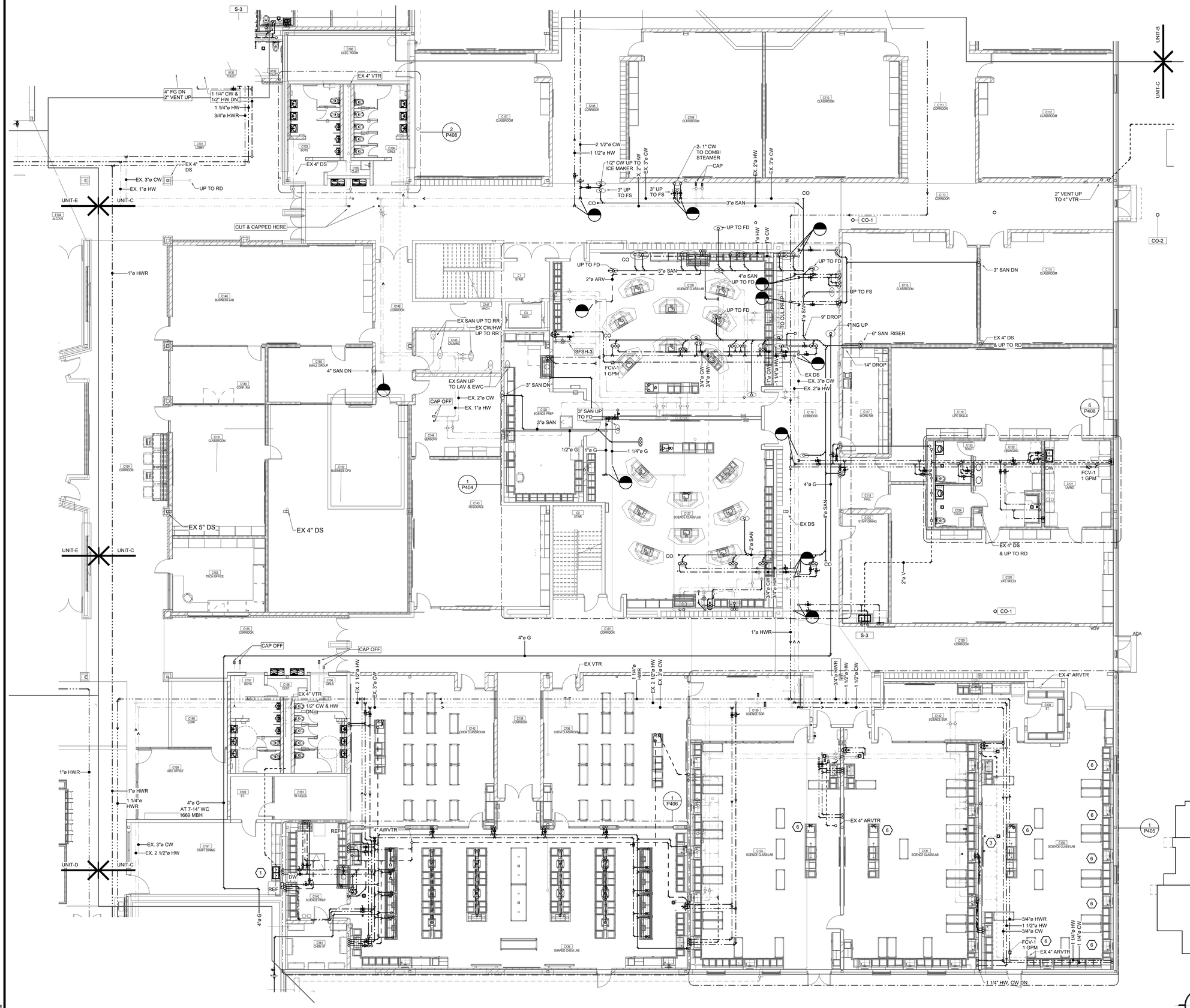
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-B PLUMBING PLAN

SHEET: **P302**
COMM #: 2265

1/16/2024 12:27:54 PM



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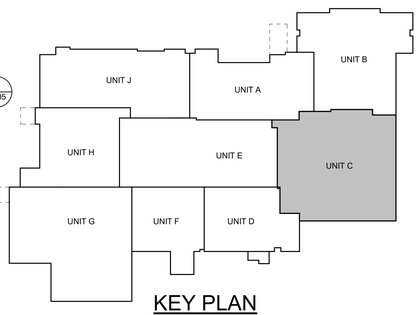
FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

UNIT-C PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C PLUMBING PLAN

SHEET: P303

COMM #: 2265

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

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INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

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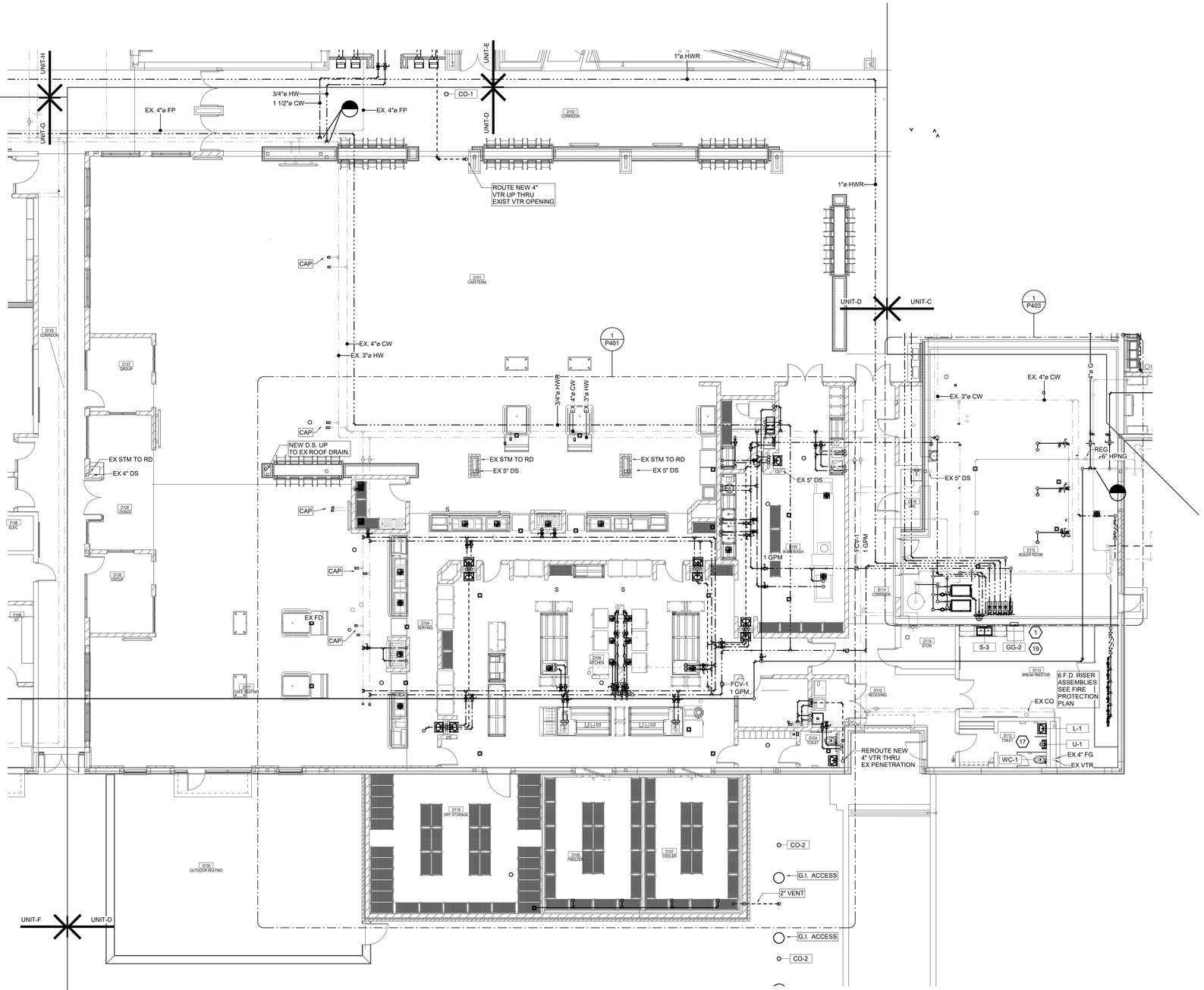
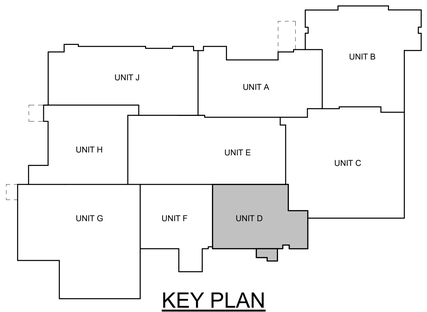


CONSTRUCTION NOTES

1. PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2. PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10. CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12. CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14. PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16. 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17. INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18. 2" SAN UP TO FLOOR DRAIN.
19. CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
20. 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.



KEY PLAN

UNIT-D PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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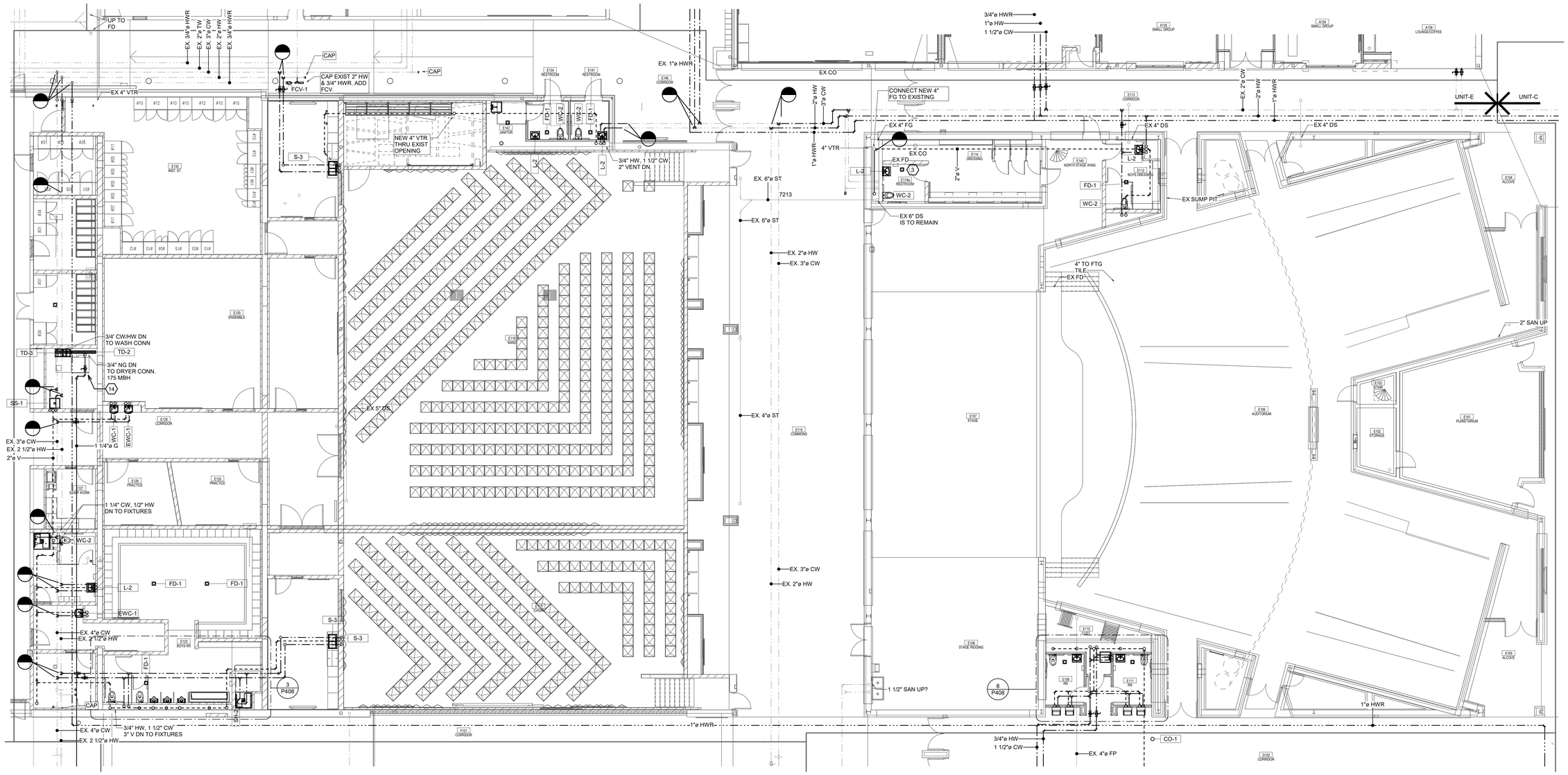
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-D PLUMBING PLAN
SHEET:	P304
COMM #:	2265

1/16/2024 12:28:07 PM



PROJECT NOTES

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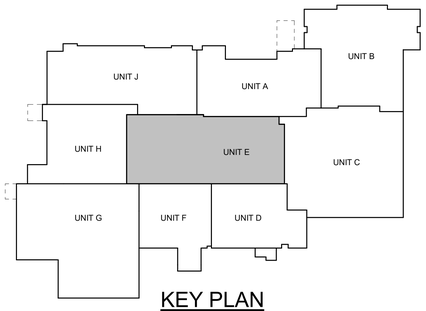
TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1. PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2. PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10. CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12. CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14. PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-1/4" W.C.
15. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16. 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17. INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18. 2" SAN UP TO FLOOR DRAIN.
19. CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
20. 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.



KEY PLAN

UNIT-E PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-E PLUMBING PLAN
SHEET:	P305
COMM #:	2265

1/16/2024 12:26:15 PM

PROJECT NOTES

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ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

TYPICAL WATER PIPING SIZES				
FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

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2. PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10. CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
11. CONNECT GAS SOLENOID VALVE WITH E-STOP SWITCH (GUC-1)
12. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
13. PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
14. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
15. 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
16. INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
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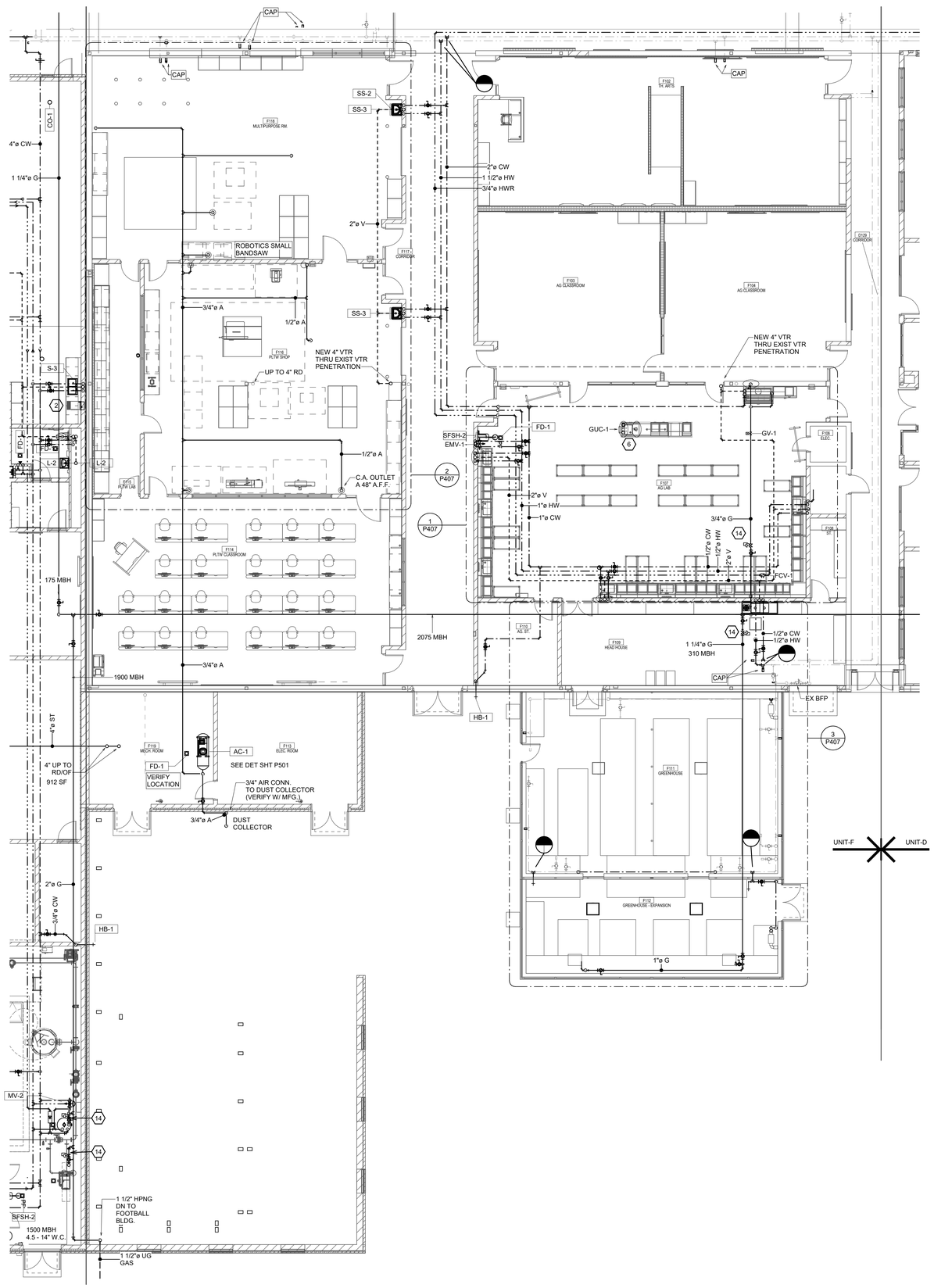
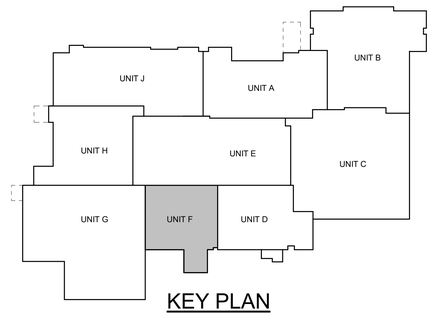
18. CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
19. 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.
20. 1/2" CW & 1/2" HW, 2" SAN UP TO C205 S-3 SINK.

COMPRESSED AIR PIPING OPTIONS:
1. SHALL BE TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS.
2. SHALL BE SCHEDULE 40 BLACK IRON SCREWED OR WELDED FITTINGS.
3. FULLY ANNEALED STEEL TUBING .083" THICK W/ COMPRESSION ADAPTERS (15,000 PSI YIELD STRENGTH)

HOSE REELS TO INCLUDE MINIMUM 50' OF HOSE, & ARE TO BE SELF-WINDING.
ELECTRICAL REELS TO BE GRACO #24882.
AIR REELS TO BE GRACO #HPL25B.
OR APPROVED EQUALS.





KEY PLAN

UNIT-F PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-F PLUMBING PLAN

SHEET: **P306**

COMM #: 2265

1/16/2024 12:39:27 PM

PROJECT NOTES

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S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

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2. PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
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6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
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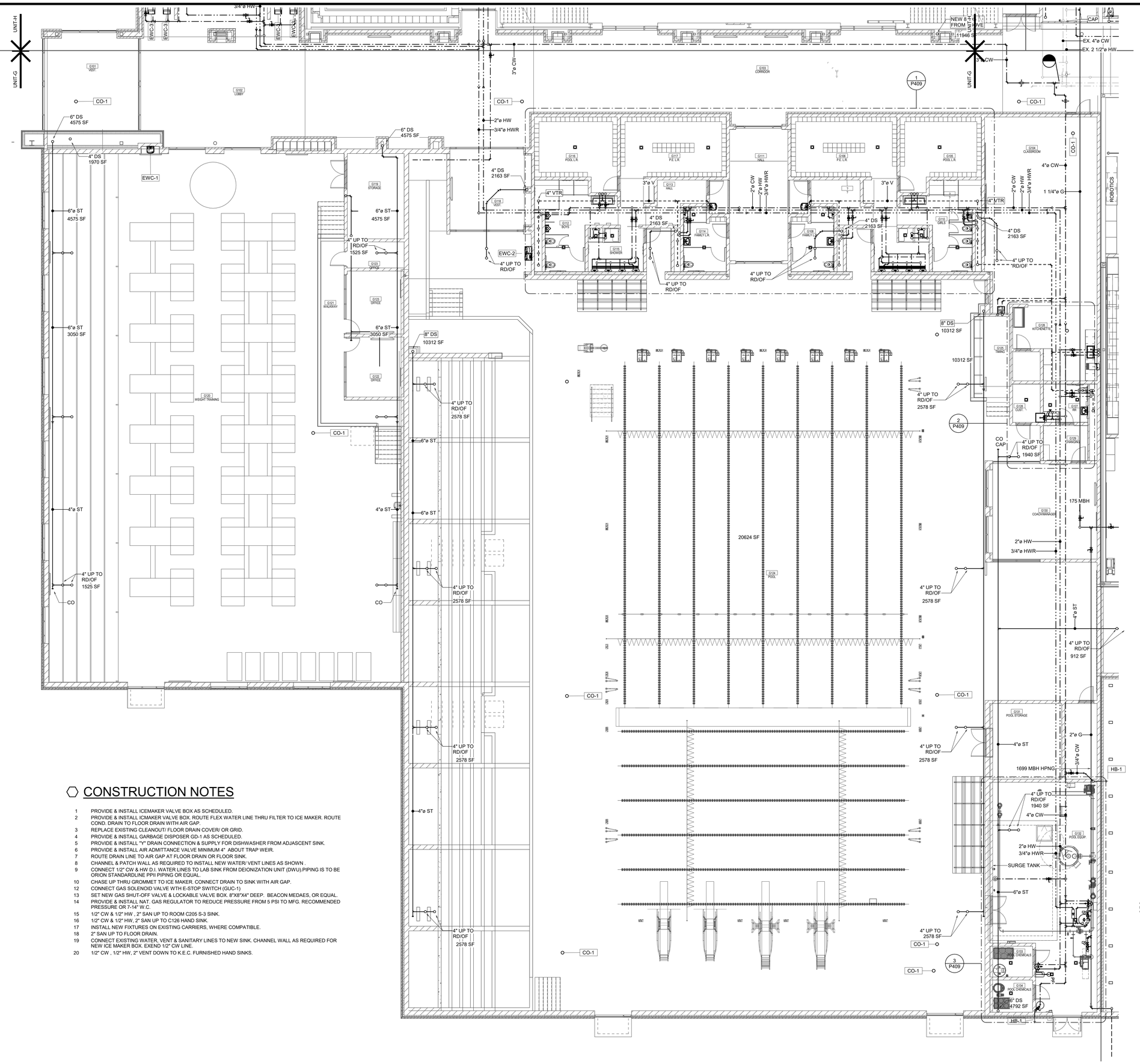

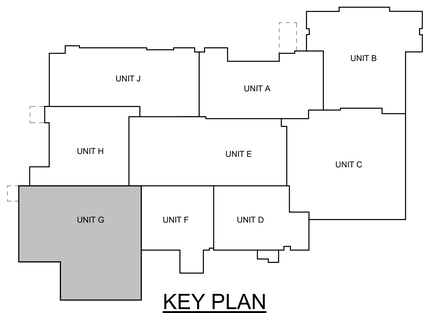

KEY PLAN

UNIT-G PLUMBING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910039 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
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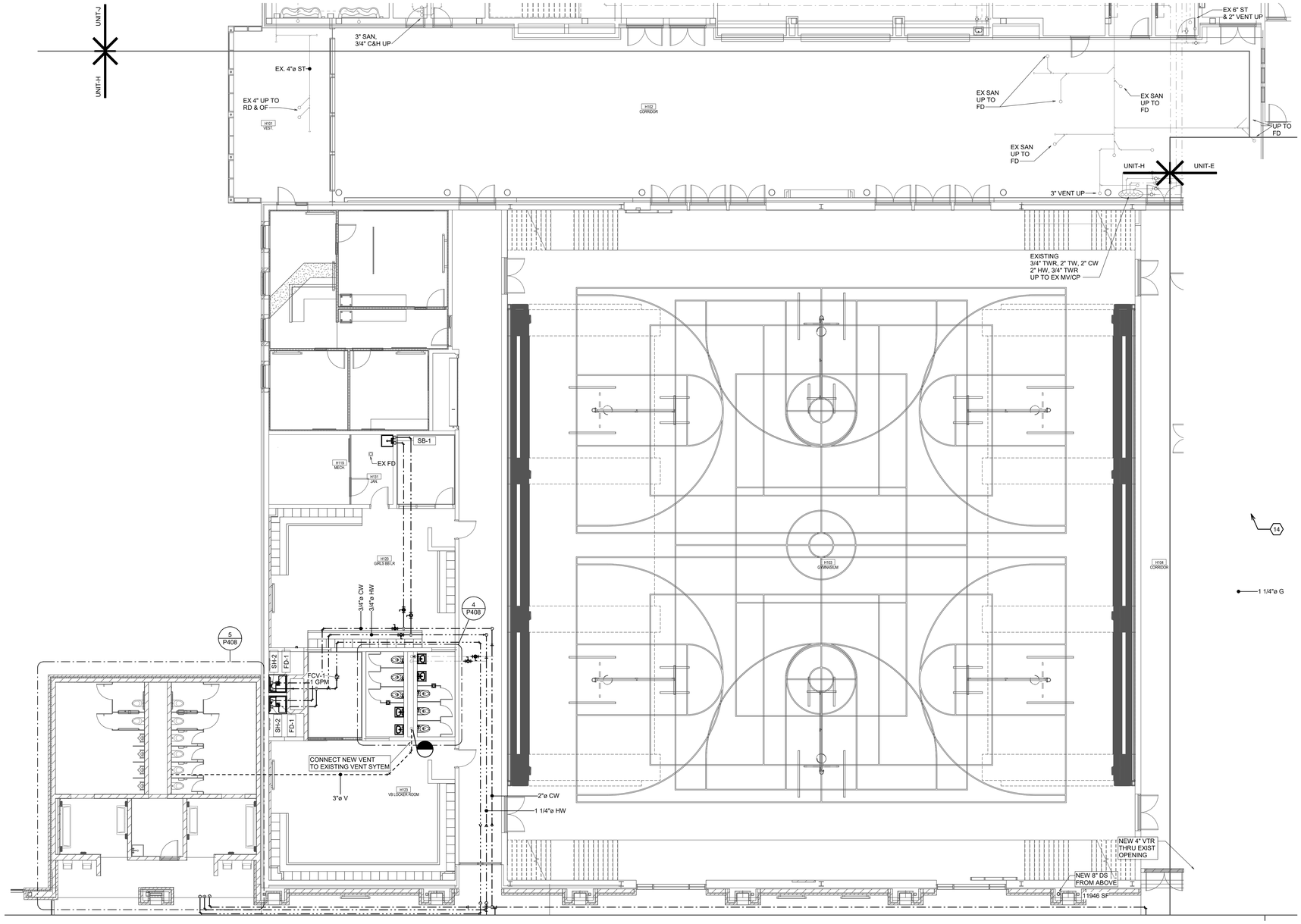
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-G PLUMBING PLAN
SHEET:	P307
COMM #:	2265

1/16/2024 12:28:31 PM



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3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10. CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
11. CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
12. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
13. PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
14. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
15. 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
16. INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
17. 2" SAN UP TO FLOOR DRAIN.
18. CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
19. 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.

PROJECT NOTES

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FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

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ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

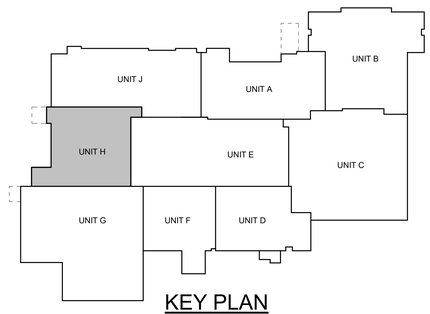
RYAN J. BOWLAND
REGISTERED
No. PE10910039
STATE OF
INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

N

UNIT-H PLUMBING PLAN

SCALE : 1/8" = 1'-0"

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ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

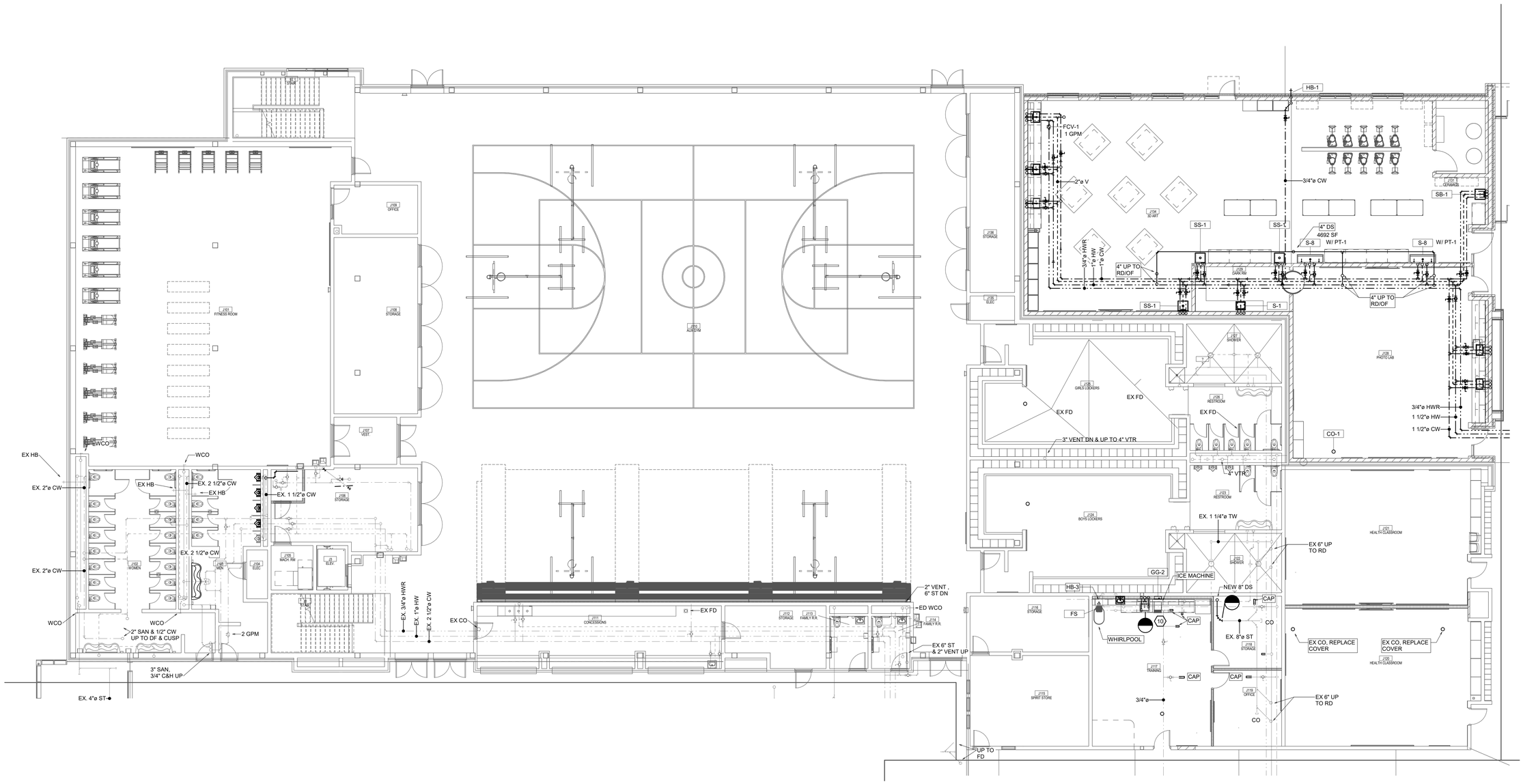
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H PLUMBING PLAN

SHEET: **P308**

COMM #: 2265

1/16/2024 12:25:34 PM



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TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1. PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2. PROVIDE & INSTALL ICEMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3. REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
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11. CONNECT GAS SOLENOID VALVE WITH E-STOP SWITCH (GUC-1)
12. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
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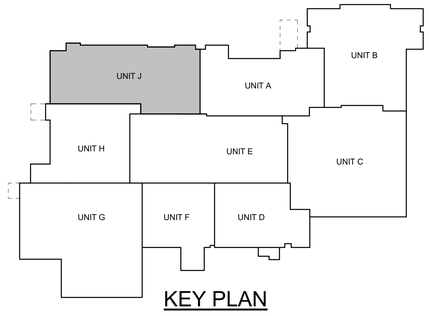

KEY PLAN

UNIT-J PLUMBING PLAN

SCALE : 1/8" = 1'-0"

1/31/2024 12:25:44 PM

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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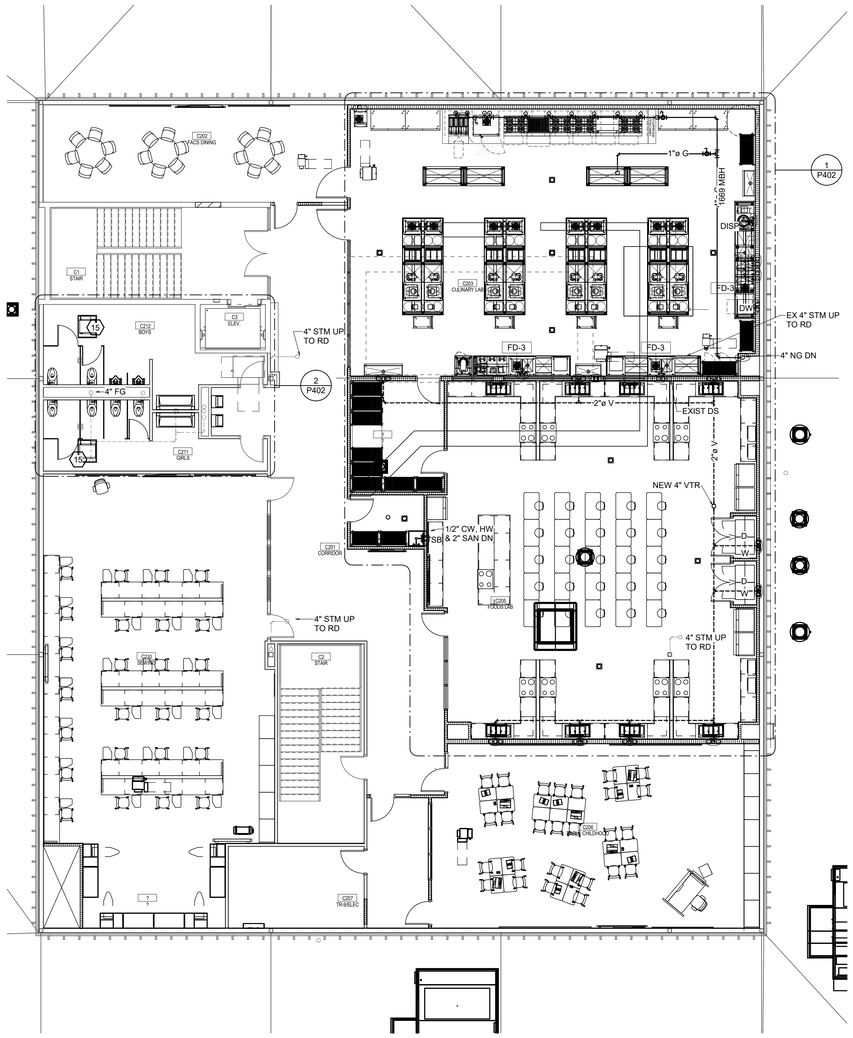
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J PLUMBING PLAN
SHEET:	P309
COMM #:	2265



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TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
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L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

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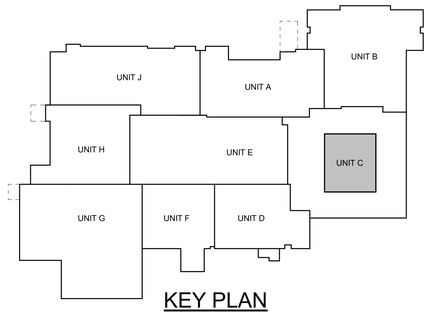

KEY PLAN

UNIT-C PLUMBING PLAN - SECOND FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: Author

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C PLUMBING PLAN - SECOND LEVEL

SHEET: **P323**

COMM #: 2265

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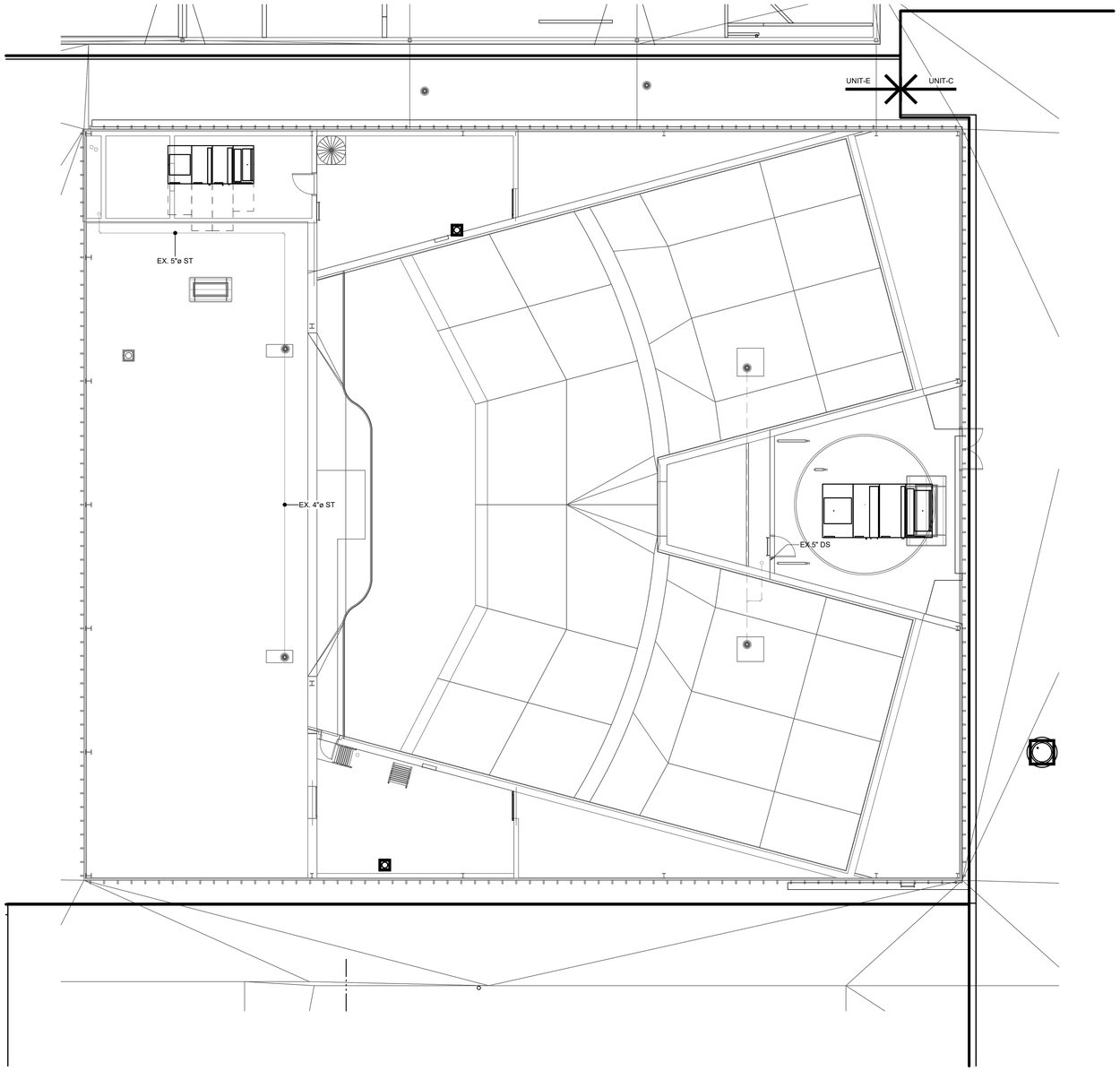

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TYPICAL WATER PIPING SIZES

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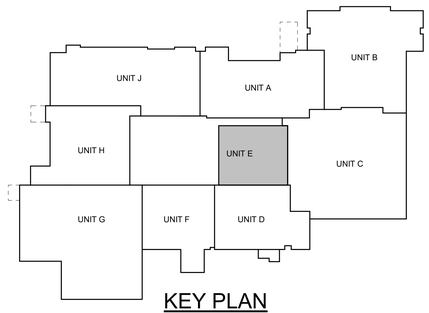
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

UNIT-E PLUMBING PLAN - SECOND FLOOR

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: **BAUER**

DATE: **JANUARY 16, 2024**

SHEET NAME: UNIT-E PLUMBING PLAN - UPPER LEVEL

SHEET: **P325**

COMM #: 2265

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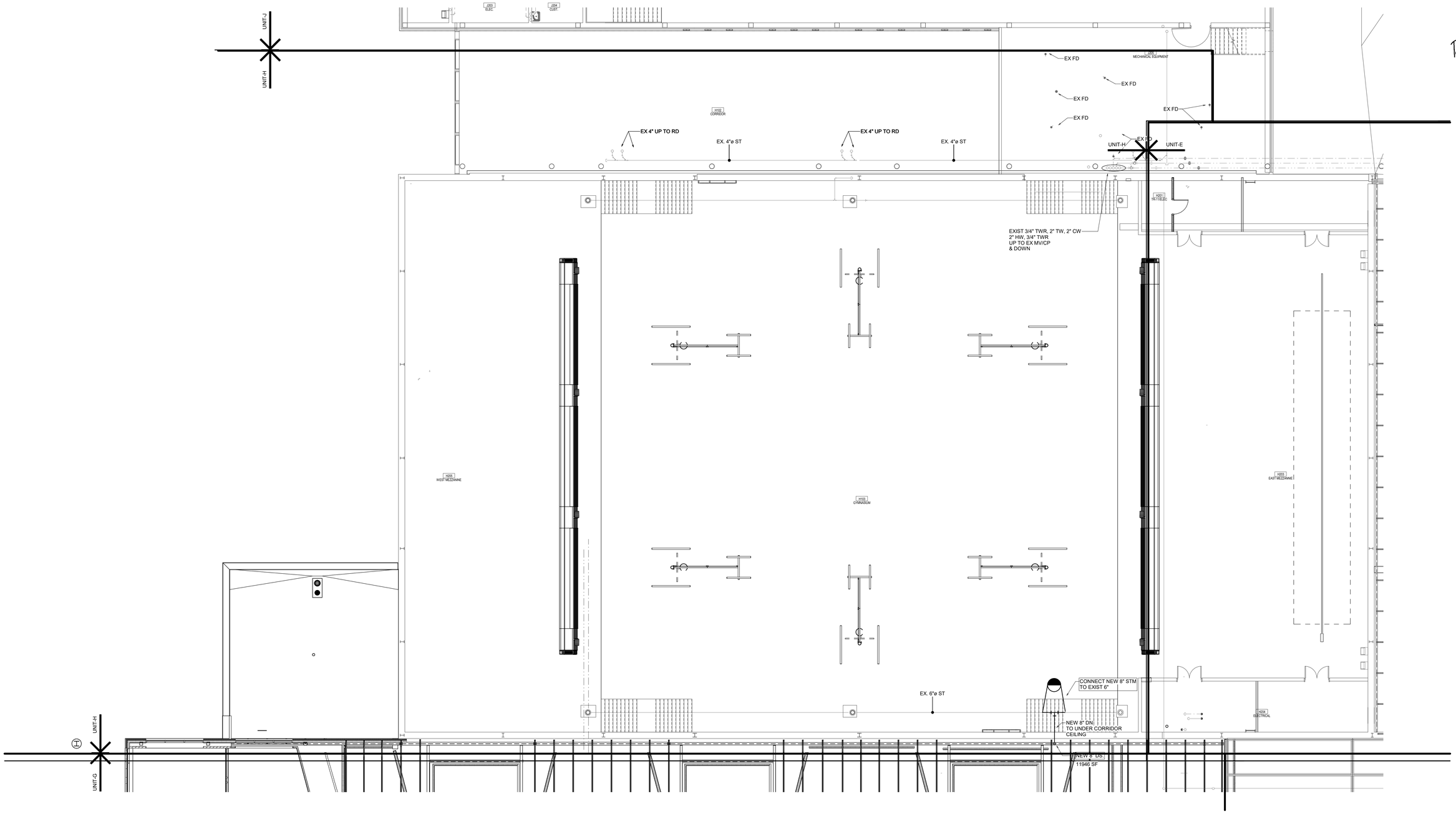

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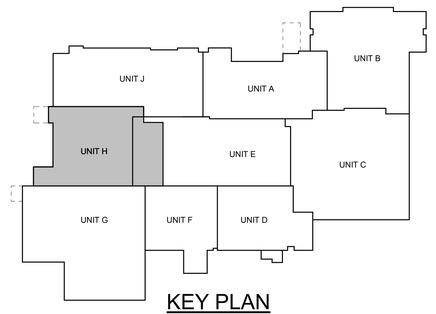

KEY PLAN

UNIT-H PLUMBING PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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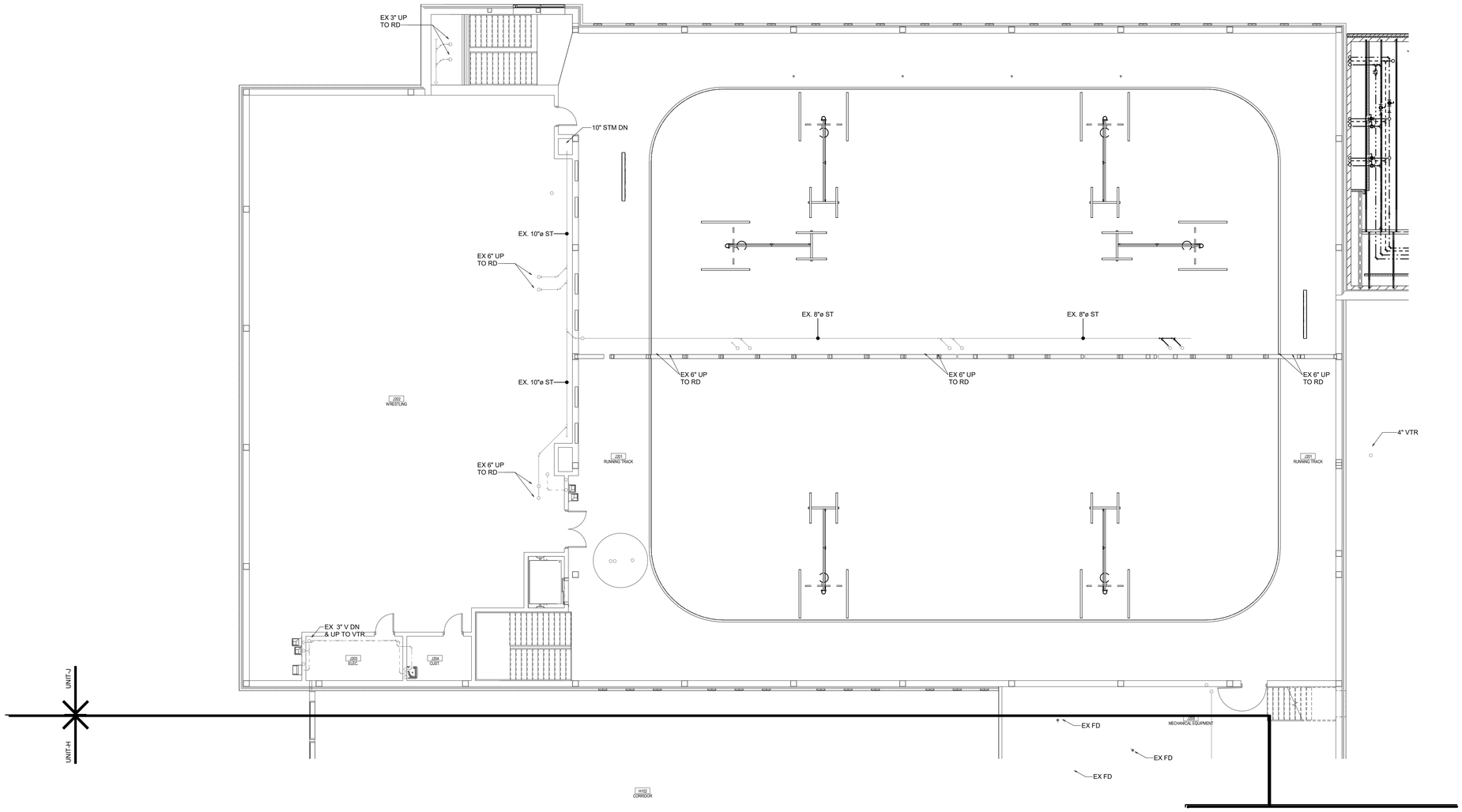
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-H PLUMBING PLAN - UPPER LEVEL
SHEET:	P328
COMM #:	2265

1/16/2024 12:28:57 PM



PROJECT NOTES

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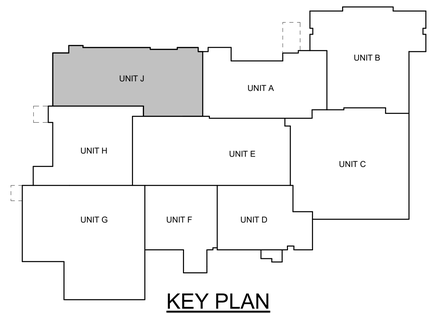
INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.



KEY PLAN

N

UNIT-J PLUMBING PLAN - UPPER LEVEL

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

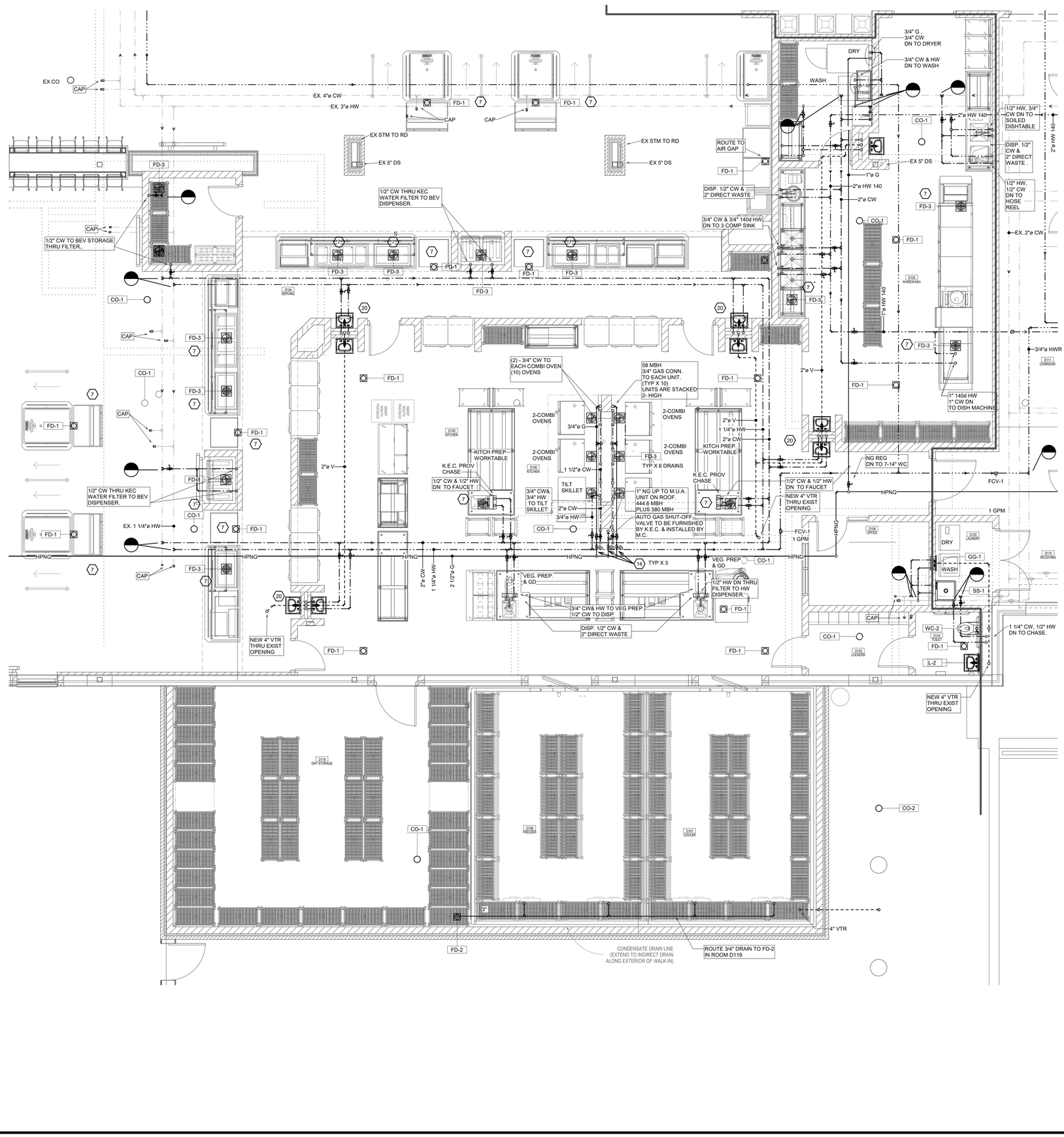
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J PLUMBING PLAN - UPPER LEVEL

SHEET: **P329**

COMM #: 2265

1/16/2024 12:29:04 PM



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KITCHEN NOTES:

REFER TO KITCHEN DRAWINGS AND SPECS FOR FINAL HOOK-UPS AND ADDITIONAL INFORMATION.

ALL EXPOSED PIPING IN KITCHEN THAT IS ABOVE COUNTER HEIGHT OR IN A DIRECT LINE OF SIGHT SHALL BE CHROME PAINITED, OR CHROME SLEEVED PER ARCHITECTS OR ENGINEERS APPROVAL.

PROVIDE A "Y" FITTING ON GARBAGE DISPOSER OUTLETS TO FACILITATE RODDING.

REBALANCE 140 DEGREE HOT WATER SYSTEMS AS REQUIRED FOR NEW KITCHEN EQUIPMENT LOADS.

TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1 PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2 PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3 REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4 PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5 PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6 PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7 ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8 CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9 CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10 CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12 CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13 SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14 PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17 INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18 2" SAN UP TO FLOOR DRAIN.
19 CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
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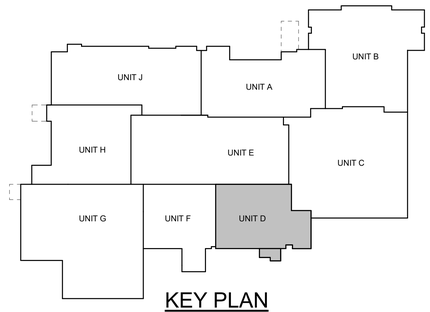

KEY PLAN

N

KITCHEN PLUMBING PLAN
SCALE : 1/4" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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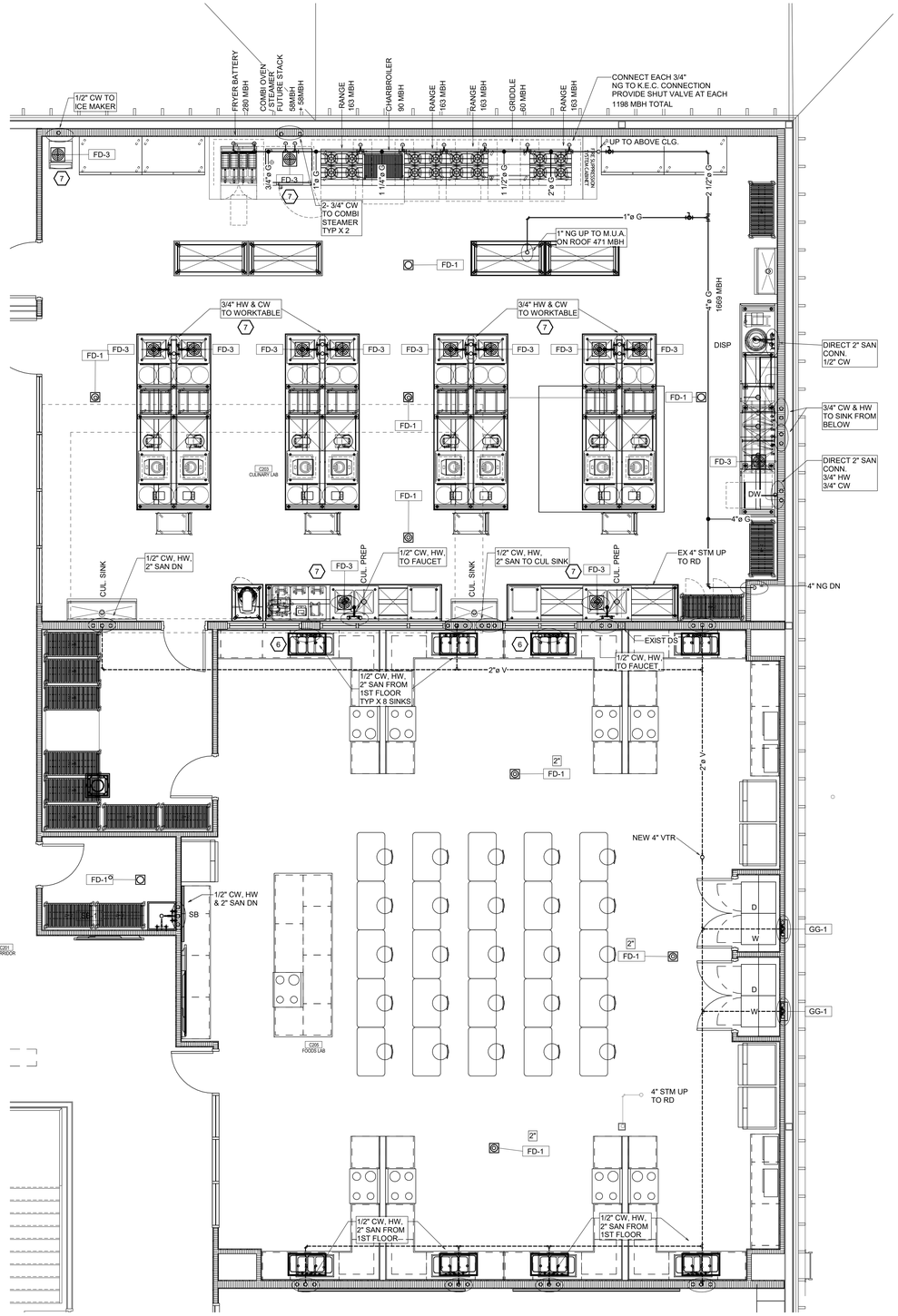
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

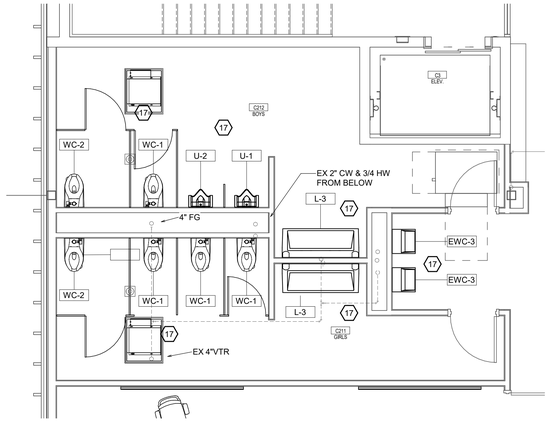
INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	KITCHEN PLUMBING PLAN
SHEET:	P401
COMM #:	2265

1/16/2024 12:27:54 PM



2 P402 UNIT-C UPPER RESTROOMS

SCALE : 1/4" = 1'-0"



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S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

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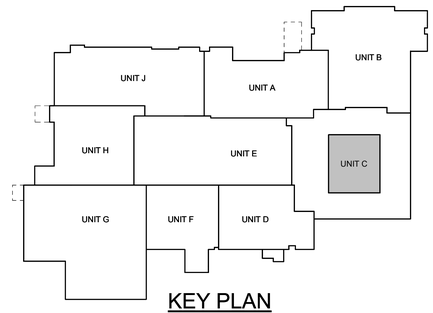

KEY PLAN

N

CULINARY LAB & FOOD LAB PLUMBING PLAN

SCALE : 1/4" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

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ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: BAUER
DATE: JANUARY 16, 2024
SHEET NAME: 2ND FLOOR UNIT-C PLUMB PLAN

SHEET: P402
COMM #: 2265

11/4/2024 12:25:13 PM

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U-*	2"	2"	---	3/4"
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EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
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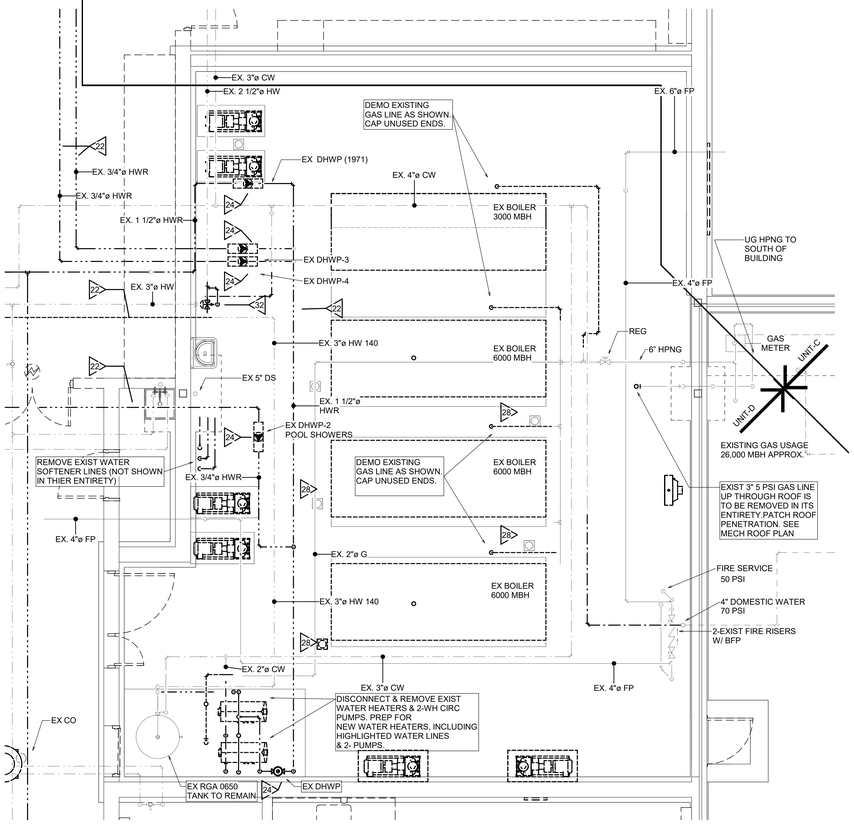

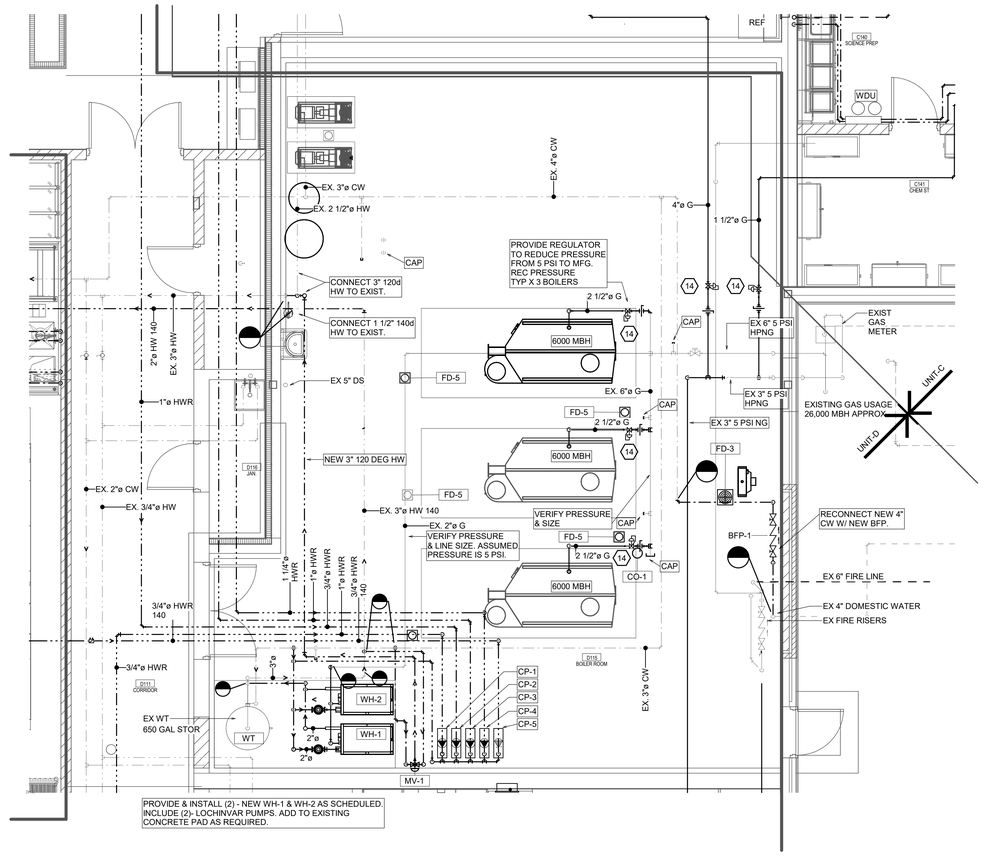

BOILER ROOM PLUMBING DEMOLITION PLAN

SCALE : 1/4" = 1'-0"

BOILER ROOM PLUMBING PLAN

SCALE : 1/4" = 1'-0"

△ DEMOLITION NOTES

1 DEMO 4" RD CONDUCTOR. ROOF DRAIN IS TO REMAIN.
2 DEMO SINK. REMOVE WATER , SAN & VENT LINES AND CAP BELOW FLOOR FINISH. PATCH & PREP FOR NEW FINISH.
3 REMOVE CW & HW LINES TO ABOVE CEILING & BELOW FLOOR & CAP. PATCH PATCH & PREP FLOOR FOR NEW FINISH.
4 DEMO SINK & WATER/ VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & PATCH/ PREP FOR NEW FINISH.
5 DEMO HOSE BIBB & WATER LINE AS SHOW. PATCH EXISTING WALL PENETRATION AS REQ'D.
6 DEMO LAV/ SINK. PREP FOF NEW.
7 DEMO EWC . REWORK AS REQUIRED FOR NEW FIXTURE.
8 DISCONNECT EXISTING UTILITIES FROM LAB SINK.
9 REMOVE AW, AWV, CW, HW & GAS FROM INSTRUCTORS TABLE.
10 REMOVE CW, HW, GAS, AWV & AW FROM TABLE.
11 REMOVE AW, AWV, CW & GAS FROM FUME HOOD.
12 REMOVE AW, AWV, CW & GAS FROM SINK/TABLE. CAP UTILITIES BELOW FLOOR .
13 DEMO GAS LINE AS SHOWN AND ASSOCIATED VALVES AS SHOWN.
14 DEMO RESTROOM GROUP AS SHOWN. PREP FOR NEW FIXTURES.
15 DEMO PLUMBING FIXTURE AS NOTED & WATER, SAN & VENT LINES AS SHOWN. CAP SAN BELOW FLOOR & WATER AND VENT LINES AT POINT OF REMOVEAL.
16 DEMO RESTROOM GROUP IN ITS ENTIRETY.
17 DEMO HIGHLIGHTED PLUMBING LINES AS SHOWN
18 DEMO VENT THROUGH ROOF. PATCH ROOF PENETRATION AS REQ'D.
19 DEMO URINALS, REWORK FOR NEW LAVS.
20 DEMO LAVS & CARRIERS PREP FOR NEW URINALS AS SHOWN.
21 DEMO WC'S PREP FOR NEW WC'S AS SHOWN.
22 DEMO WATER LINE AS SHOWN.
24 DEMO DOMESTIC RECIRCULATION PUMP AS SHOWN.
25 DEMO RESTROOM GROUP IN ITS ENTIRETY. REMOVE VTR & PATCH ROOF PENETRATION.CAP WATER & SAN LINES BELOW FLOOR & PATCH. SAN LINE UP TO MECH MEZZANINE IS TO REMAIN.
26 DEMO FLOOR DRAIN. CAP SAN . PATCH & SLAB FOR NEW FINISH.
27 DEMO SINK. CAP WATER & SAN. LINES.
28 DEMO EXISTING FLOOR DRAIN. PREP FOR NEW FD AS SCHEDULED.
29 DEMO RESTROOM FIXTURES INCLUDING CARRIERS.
30 DISCONNECT & REMOVE WATER , SANITARY & GAS CONNECTIONS FROM APPLINCES . COORDINATE WITH K.E.C. DEMOLITION. CAP & ABONDON WATER & SANIATRY LINES CUT & CAP GAS CONNECTIONS PER INDIANA FUEL GAS CODE.
31 DEMO SINK. PREP FOR NEW FIXTURE.
32 DEMO MIXING VALVE & ASSOCIATED CONNECTIONS TO EXISTING WATER LINES .
33 DEMO SINK. CUT SLAB & CAP / ABANDON U.G. SAN & WATER LINES.

⬡ CONSTRUCTION NOTES

1 PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2 PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3 REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4 PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
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13 SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
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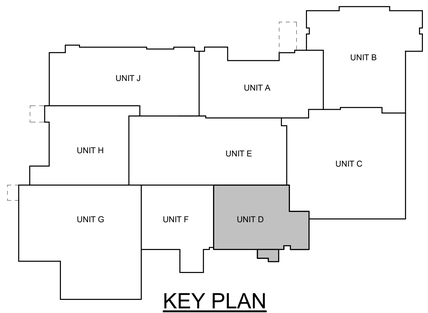

KEY PLAN

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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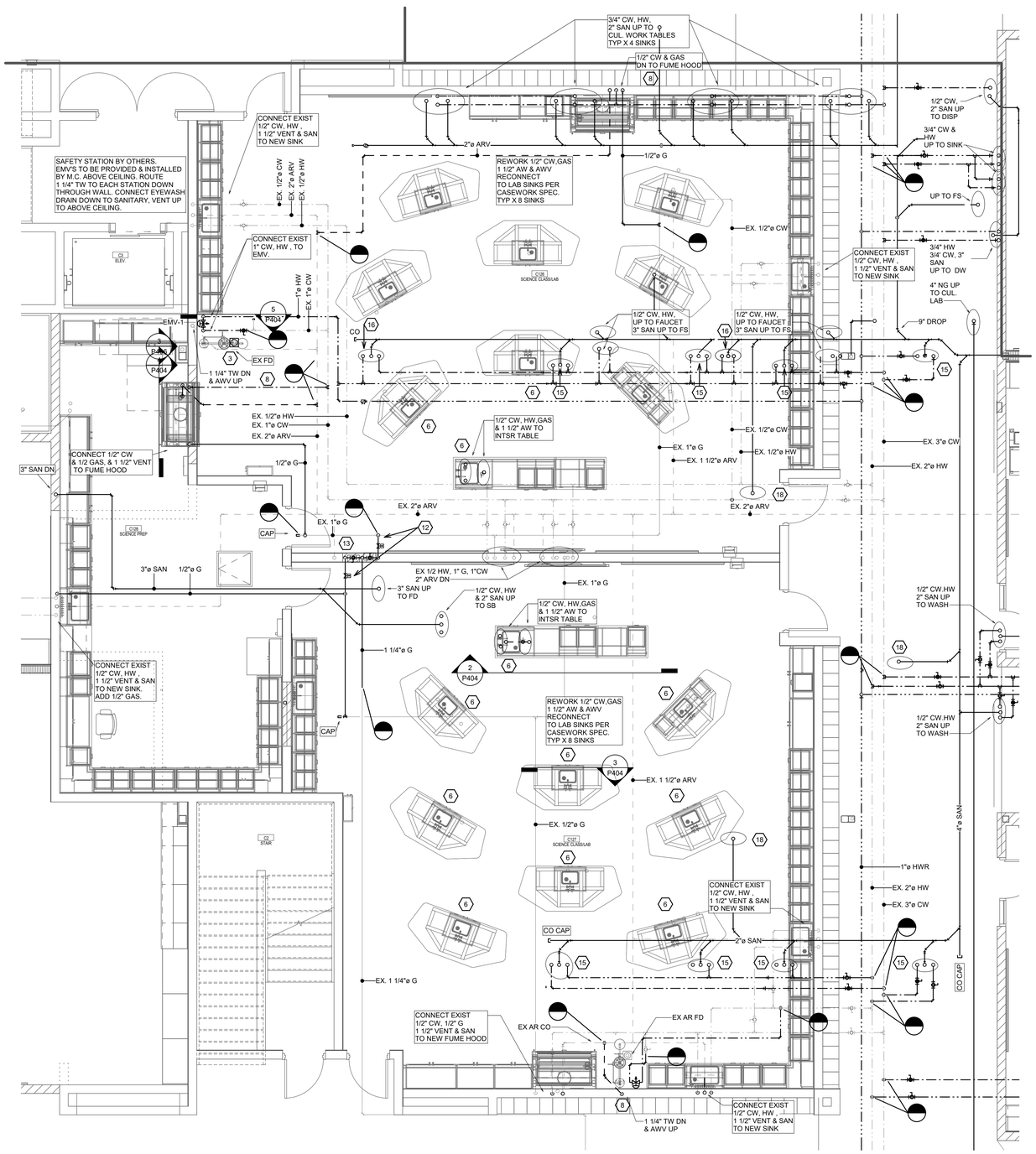
DANVILLE, INDIANA

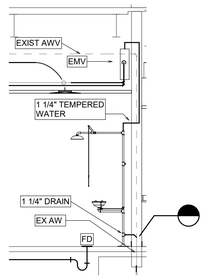
△ INDICATES REVISION AND DATE

DRAWN BY: **BAUER**
DATE: **JANUARY 16, 2024**
SHEET NAME: **BOILER ROOM PLUMBING PLAN**

SHEET: **P403**
COMM #: **2265**

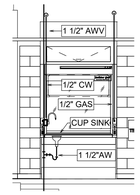
1/16/2024 9:02:42 AM





5 P404 SAFETY SHOWER

SCALE : 1/4" = 1'-0"



4 P404 TYP FUME HOOD PLUMBING

SCALE : 1/4" = 1'-0"

PROJECT NOTES

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INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

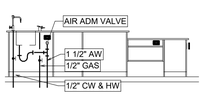
TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

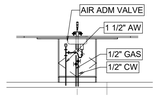
CONSTRUCTION NOTES

1 PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2 PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3 REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4 PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5 PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6 PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7 ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8 CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9 CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10 CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12 CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13 SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14 PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17 INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18 2" SAN UP TO FLOOR DRAIN.
19 CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
20 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.



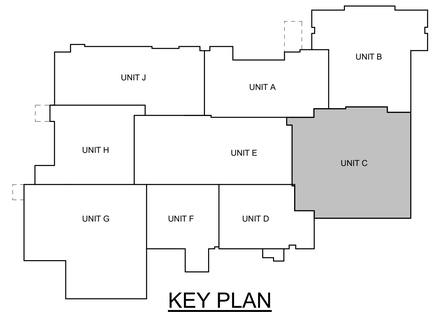
2 P404 TEACHER STATION PLUMBING.

SCALE : 1/4" = 1'-0"



3 P404 STUDENT DESK PLUMBING

SCALE : 1/4" = 1'-0"



KEY PLAN

NORTH SCIENCE ROOMS PLUMBING PLAN

SCALE : 1/4" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

⓪	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	NORTH SCIENCE ROOMS PLUMBING PLANS
SHEET:	P404
COMM #:	2265

1/15/2024 12:42:44 PM

PROJECT NOTES

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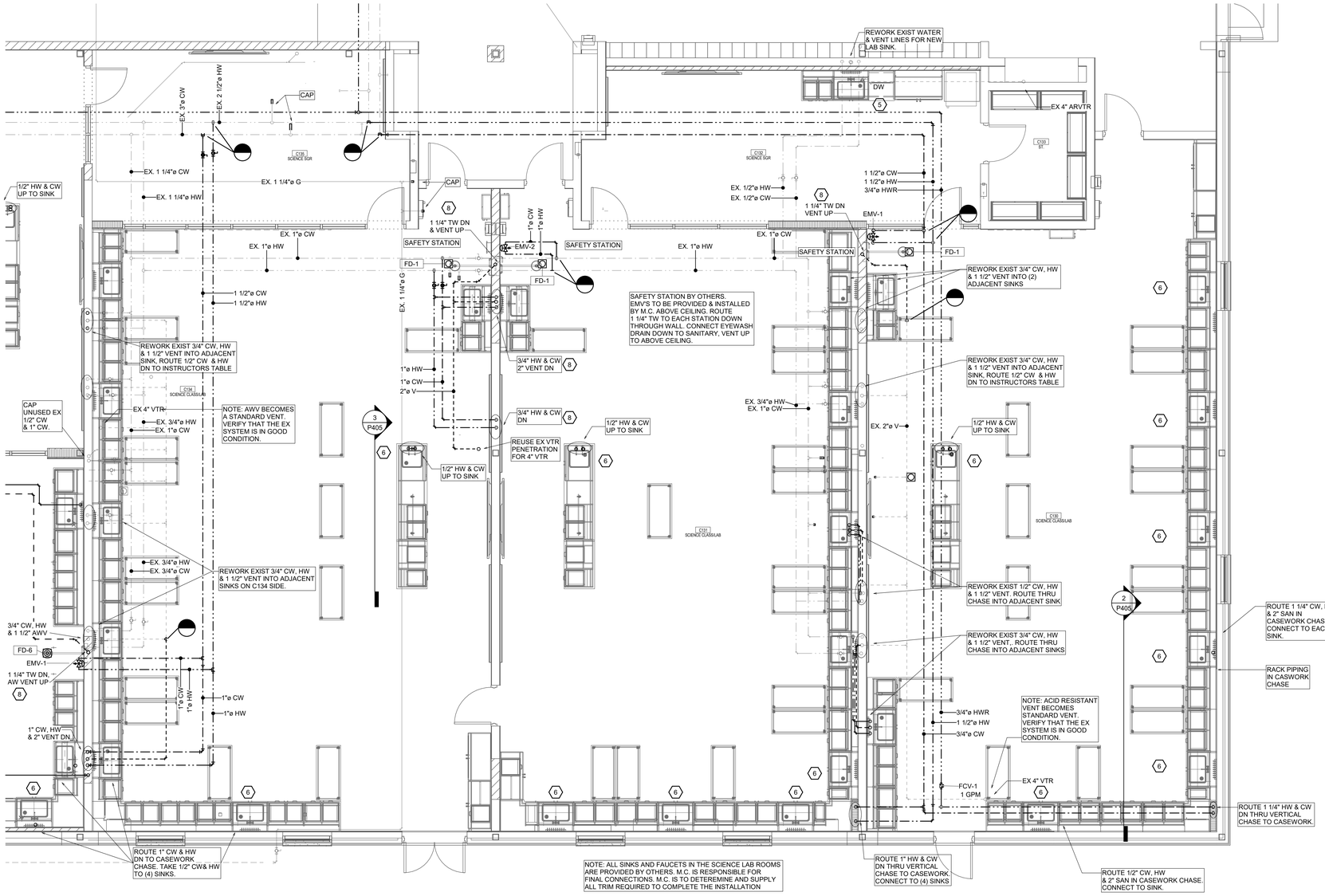
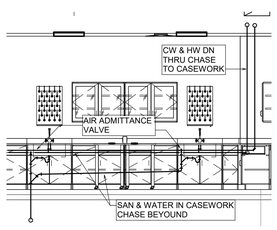
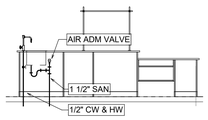
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.





2 / P405 TYP WALL CABINET UTILITIES
SCALE : 1/4" = 1'-0"



3 / P405 TYP TEACHER STATION PLUMBING
SCALE : 1/4" = 1'-0"

CONSTRUCTION NOTES

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4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
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15. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
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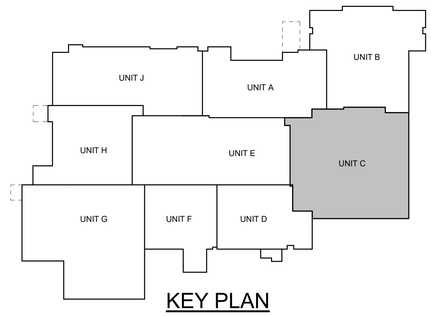

KEY PLAN

N

EAST SCIENCE LABS PLUMBING PLAN
SCALE : 1/4" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	EAST SCIENCE ROOMS PLUMBING PLAN
SHEET:	P405
COMM #:	2265

1/16/2024 12:42:41 PM

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S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

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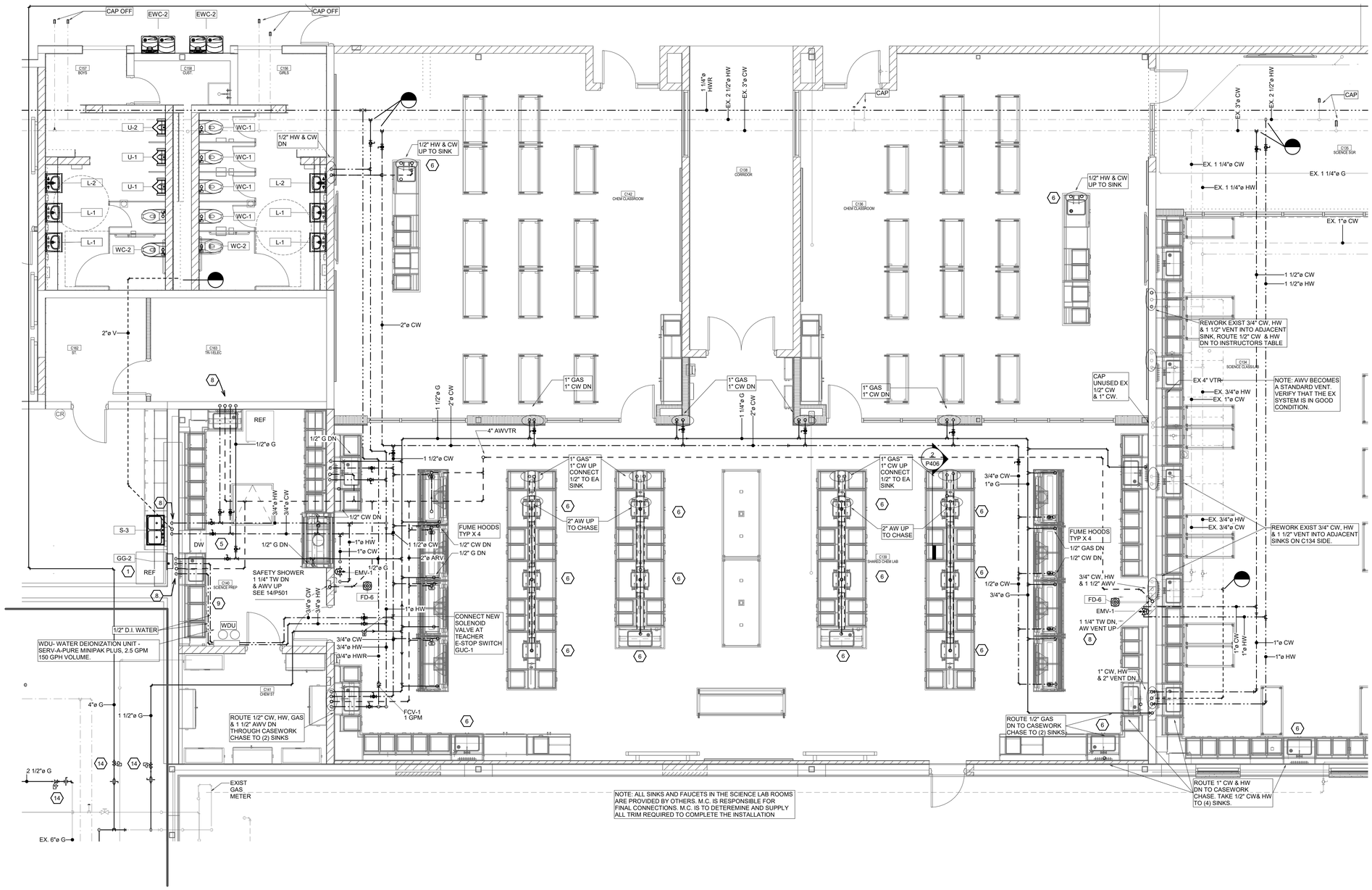

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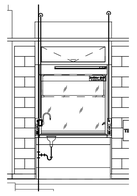
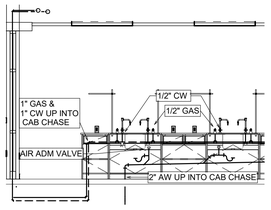


3 / P406 TYP FUME HOOD PLUMB
SCALE : 1/4" = 1'-0"



2 / P406 SECTION CABINET PLUMBING
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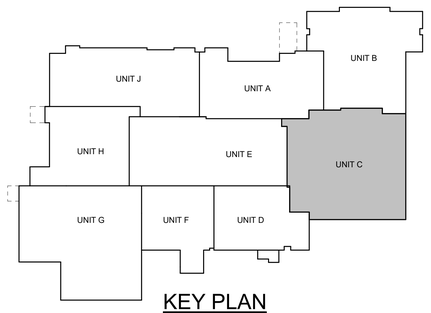

KEY PLAN

N

WEST SCIENCE ROOMS PLUMBING PLAN
SCALE : 1/4" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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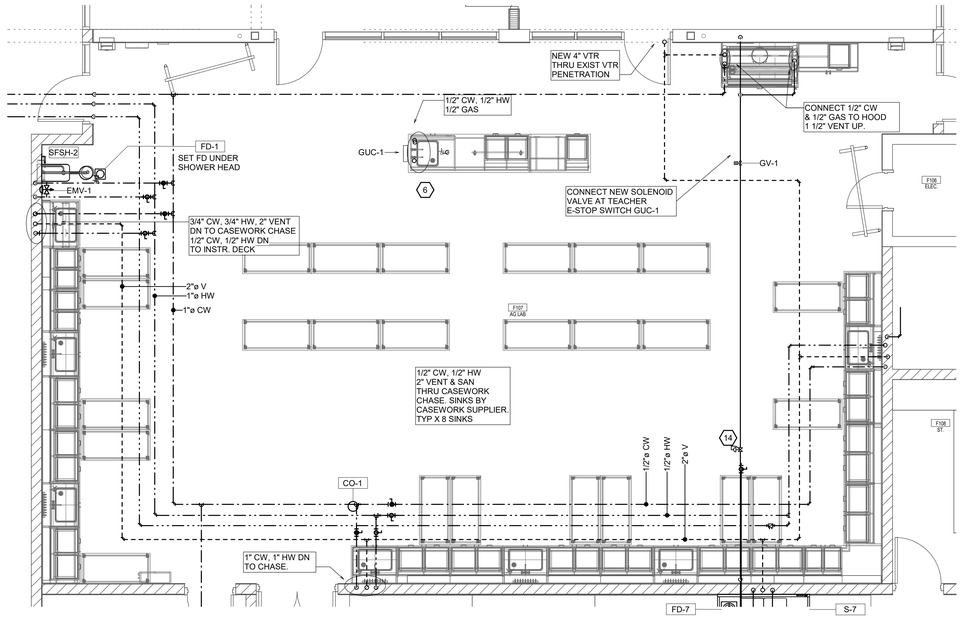
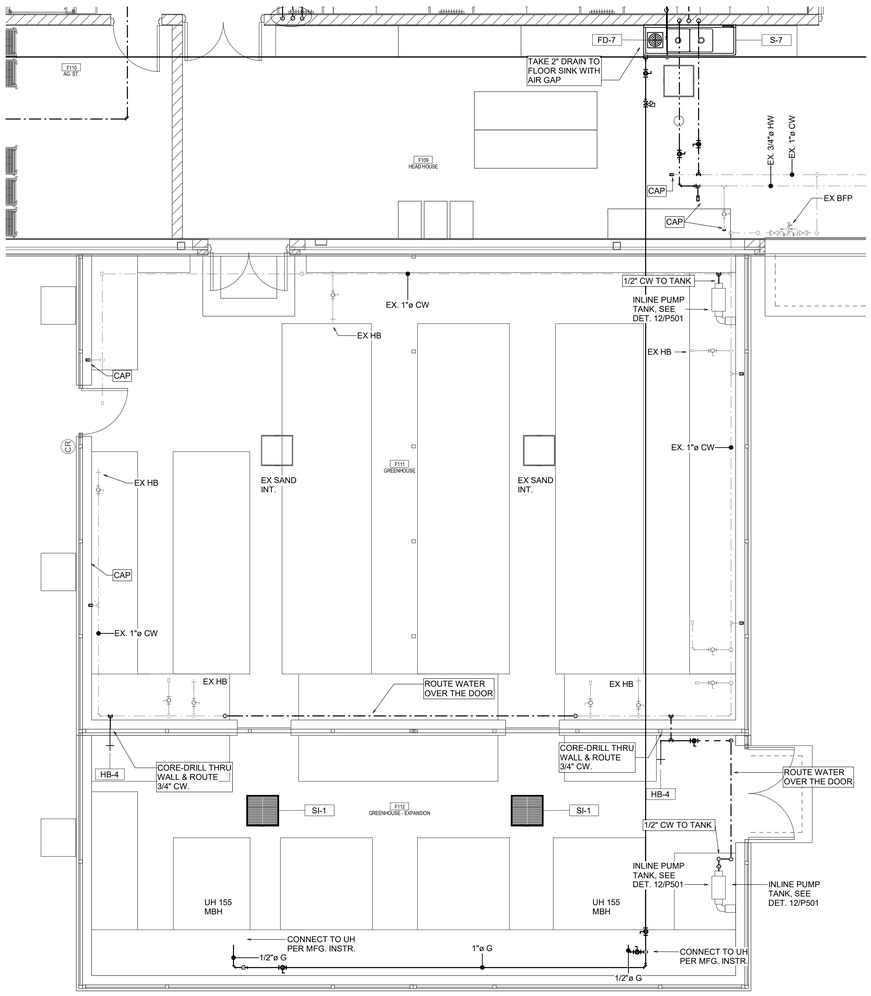
DATE:	JANUARY 16, 2024
SHEET NAME:	WEST SCIENCE ROOM PLUMBING PLAN
SHEET:	P406
COMM #:	2265

1/16/2024 12:42:37 PM



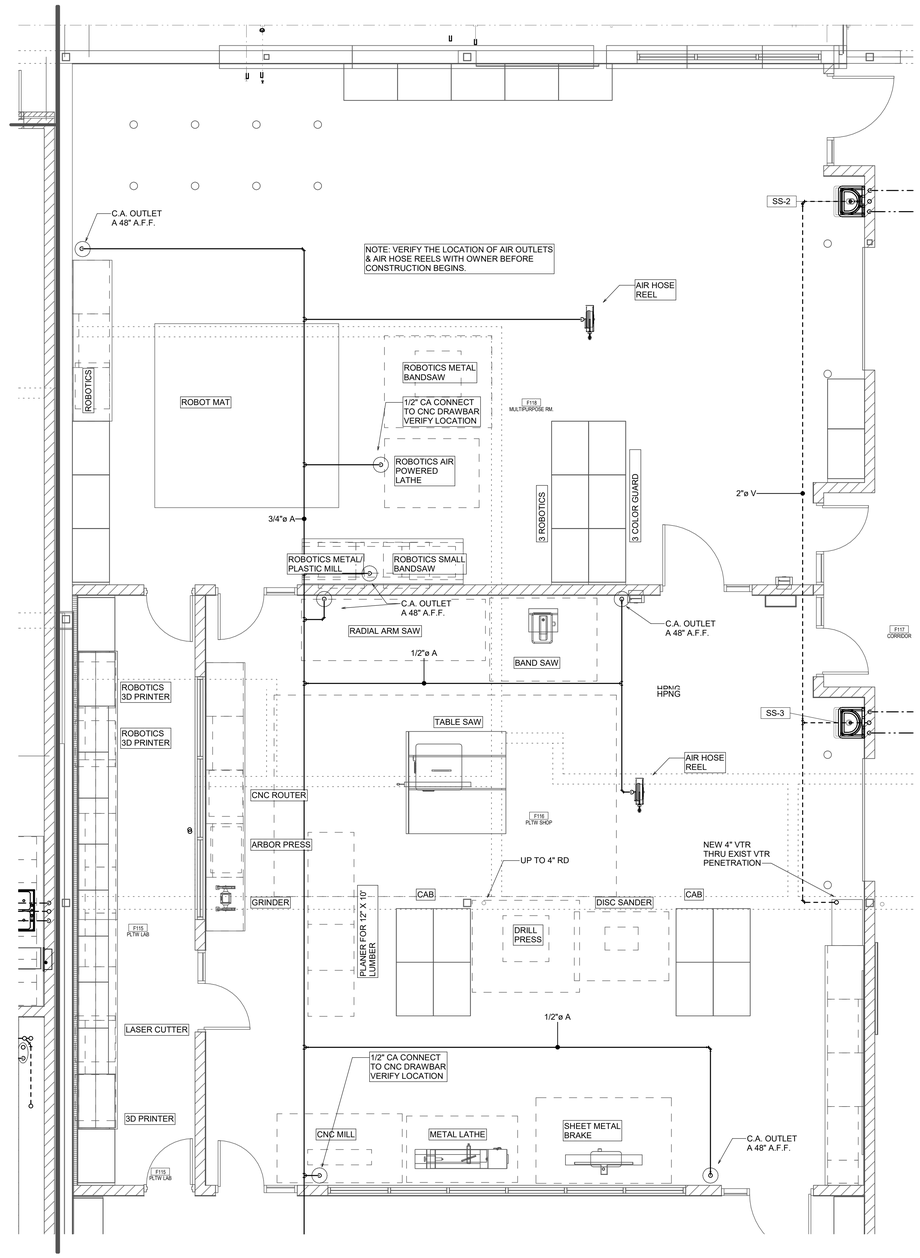
1 P407 **AG LAB**

SCALE : 1/4" = 1'-0"



3 P407 **GREENHOUSE PLUMBING PLAN**

SCALE : 1/4" = 1'-0"



2 P407 **PLTW SHOP**

SCALE : 1/4" = 1'-0"

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EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
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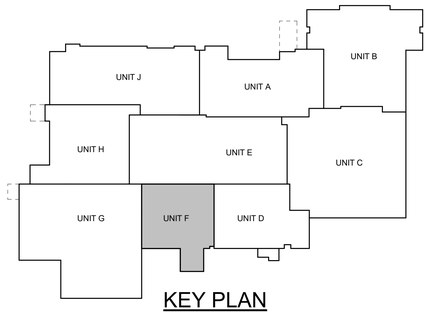
4. PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5. PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6. PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7. ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8. CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9. CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10. CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
11. CONNECT GAS SOLENOID VALVE WITH E-STOP SWITCH (GUC-1)
12. SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
13. PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
14. 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
15. 1/2" CW & 1/2" HW,, 2" SAN UP TO C126 HAND SINK.
16. INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
17. 2" SAN UP TO FLOOR DRAIN.
18. CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
19. 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.
20.



KEY PLAN

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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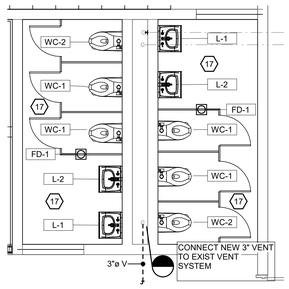
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

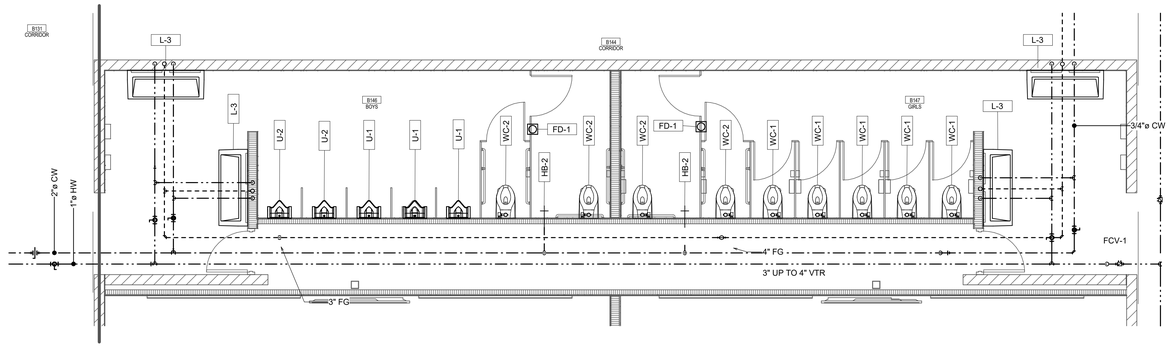
1	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	PARTIAL UNIT-F ENLARGED PLUMBING PLANS
SHEET:	P407
COMM #:	2265

1/16/2024 12:43:54 AM



4 / P408 UNIT-H EAST RESTROOMS

SCALE : 1/4" = 1'-0"



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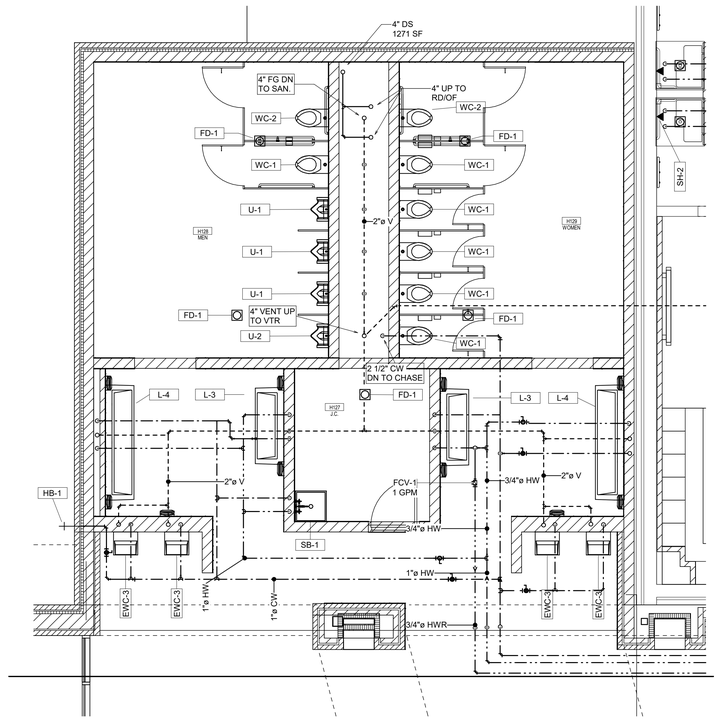

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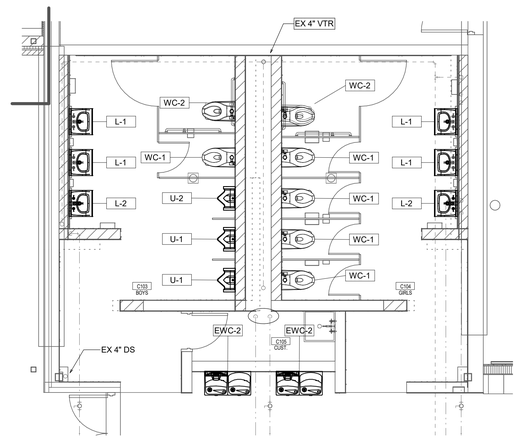

2 / P408 UNIT-C RESTROOMS

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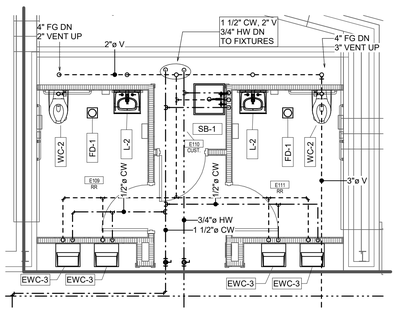

8 / P408 UNIT-E SOUTH RESTROOMS

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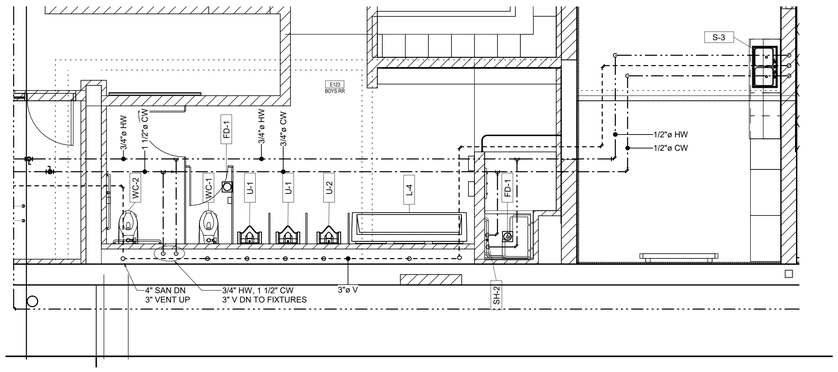
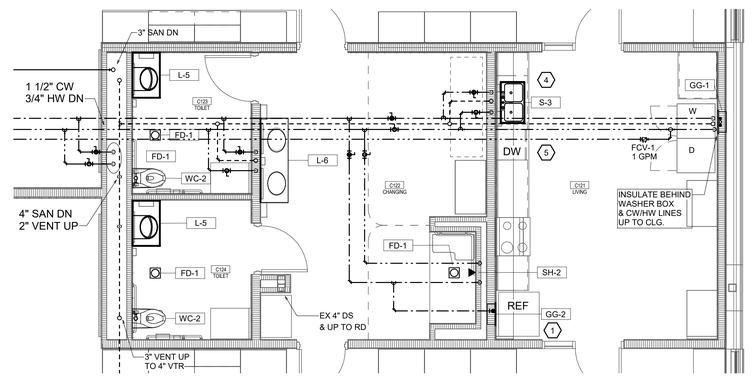


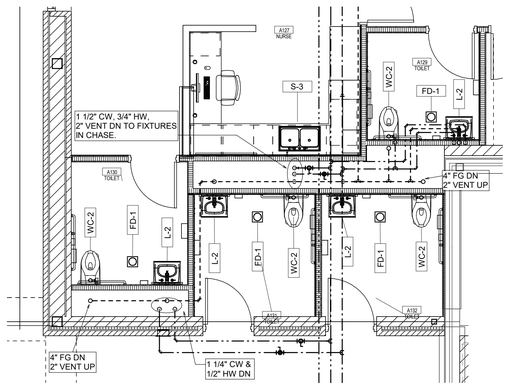
3 / P408 UNIT-E NORTH RESTROOM

SCALE : 1/4" = 1'-0"



6 / P408 UNIT-C LIFE SKILLS

SCALE : 1/4" = 1'-0"



7 / P408 UNIT-A ENLARGED RR PLAN

SCALE : 1/4" = 1'-0"

PROJECT NOTES

THIS DRAWING IS INTENDED TO REPRESENT THE "WORK" DIAGRAMMATICALLY. UTILITIES, SYSTEMS, AND PIPING MAY NOT BE REPRESENTED IN THE EXACT OPTIMUM LOCATION AS REQUIRED.

DEVICE PLACEMENT IN CEILING GRIDS SHALL HAVE THE FOLLOWING PRIORITIES UNLESS OTHERWISE NOTED BY ARCHITECT OR ENGINEER: LIGHTING DEVICES, SUPPLY DIFFUSERS, RETURN GRILLES, OTHER ELECTRICAL DEVICES, TRANSFER GRILLES, SPRINKLER EQUIPMENT.

FOR RELATED INFORMATION AND DETAILS SEE DETAIL SHEET.

CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS, INVERTS, DIMENSIONS, LOCATIONS AND SIZE OF EXISTING SYSTEMS, PIPING, EQUIPMENT AND UTILITIES AS REQUIRED PRIOR TO ANY CONSTRUCTION.

INSTALL GAS LINES TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION AND PER STATE AND LOCAL CODES.

ALL NEW AND EXISTING EXPOSED GAS PIPING TO BE PAINTED YELLOW. REFER TO SPECIFICATION.

TYPICAL WATER PIPING SIZES

FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
L-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1 PROVIDE & INSTALL ICEMAKER VALVE BOX AS SCHEDULED.
2 PROVIDE & INSTALL ICEMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3 REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4 PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5 PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6 PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7 ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8 CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9 CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10 CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12 CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13 SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14 PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
16 1/2" CW & 1/2" HW, 2" SAN UP TO C126 HAND SINK.
17 INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18 2" SAN UP TO FLOOR DRAIN.
19 CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
20 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.

RYAN J. BOWLAND REGISTERED No. PE0910039 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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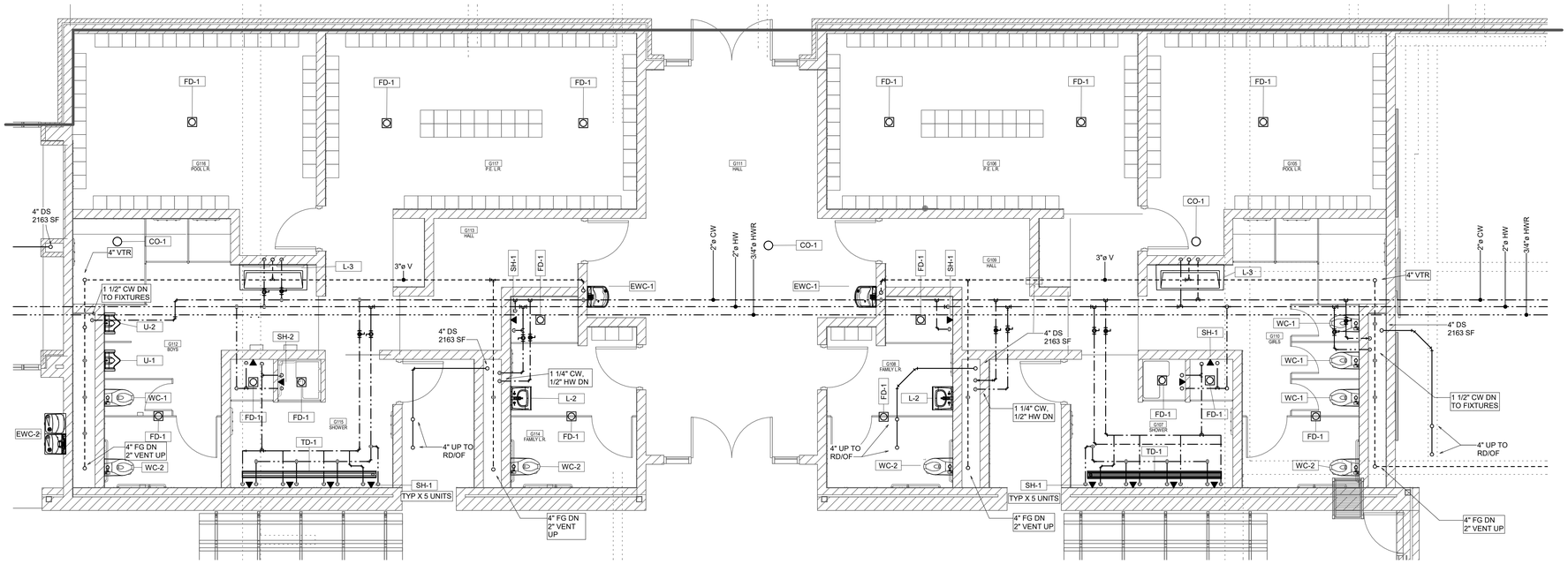
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

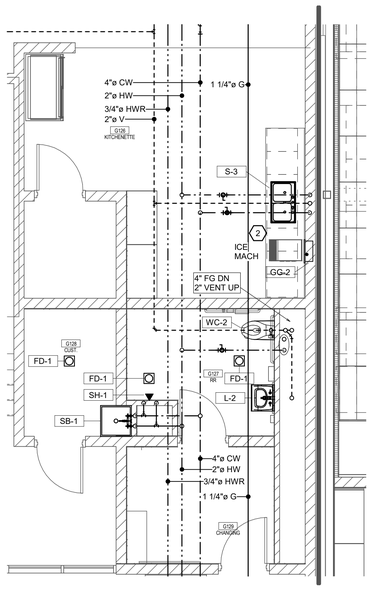
INDICATES REVISION AND DATE	
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	ENLARGED RESTROOM PLANS
SHEET:	P408
COMM #:	2265

1/16/2024 12:43:23 PM



1 P409 UNIT-G LOCKER ROOMS

SCALE : 1/4" = 1'-0"



2 P409 UNIT-G RESTROOMS

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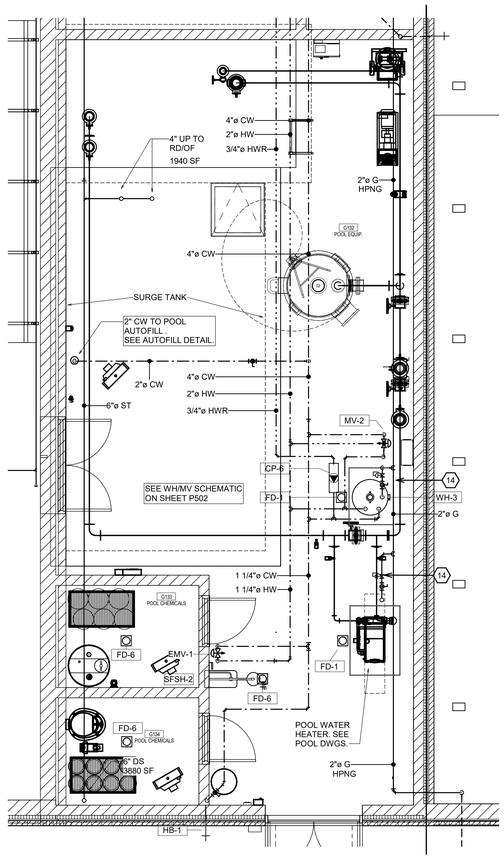

3 P409 POOL MECHANICAL ROOM

SCALE : 1/4" = 1'-0"

PROJECT NOTES

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FIXTURE	WASTE	VENT	HOT	COLD
WC-*	4"	2"	---	1"
U-*	2"	2"	---	3/4"
L-*	2"	2"	1/2"	1/2"
S-*	2"	2"	1/2"	1/2"
EWC-*	2"	2"	---	1/2"
SB-*	3"	---	3/4"	3/4"
HB-*	---	---	---	3/4"
FD-*	3"	---	---	---
SH-*	2"	---	1/2"	1/2"

*UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

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2 PROVIDE & INSTALL ICMAKER VALVE BOX. ROUTE FLEX WATER LINE THRU FILTER TO ICE MAKER. ROUTE COND. DRAIN TO FLOOR DRAIN WITH AIR GAP.
3 REPLACE EXISTING CLEANOUT/ FLOOR DRAIN COVER/ OR GRID.
4 PROVIDE & INSTALL GARBAGE DISPOSER GD-1 AS SCHEDULED.
5 PROVIDE & INSTALL "Y" DRAIN CONNECTION & SUPPLY FOR DISHWASHER FROM ADJASCENT SINK.
6 PROVIDE & INSTALL AIR ADMITTANCE VALVE MINIMUM 4" ABOUT TRAP WEIR.
7 ROUTE DRAIN LINE TO AIR GAP AT FLOOR DRAIN OR FLOOR SINK.
8 CHANNEL & PATCH WALL AS REQUIRED TO INSTALL NEW WATER/ VENT LINES AS SHOWN .
9 CONNECT 1/2" CW & HW D.I. WATER LINES TO LAB SINK FROM DEIONIZATION UNIT (DWU).PIPING IS TO BE ORION STANDARDLINE PPII PIPING OR EQUAL.
10 CHASE UP THRU GROMMET TO ICE MAKER. CONNECT DRAIN TO SINK WITH AIR GAP.
12 CONNECT GAS SOLENOID VALVE WTH E-STOP SWITCH (GUC-1)
13 SET NEW GAS SHUT-OFF VALVE & LOCKABLE VALVE BOX. 8"X8"X4" DEEP. BEACON MEDAES, OR EQUAL.
14 PROVIDE & INSTALL NAT. GAS REGULATOR TO REDUCE PRESSURE FROM 5 PSI TO MFG. RECOMMENDED PRESSURE OR 7-14" W.C.
15 1/2" CW & 1/2" HW , 2" SAN UP TO ROOM C205 S-3 SINK.
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17 INSTALL NEW FIXTURES ON EXISTING CARRIERS, WHERE COMPATIBLE.
18 2" SAN UP TO FLOOR DRAIN.
19 CONNECT EXISTING WATER, VENT & SANITARY LINES TO NEW SINK. CHANNEL WALL AS REQUIRED FOR NEW ICE MAKER BOX. EXEND 1/2" CW LINE.
20 1/2" CW , 1/2" HW, 2" VENT DOWN TO K.E.C. FURNISHED HAND SINKS.

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: BAUER

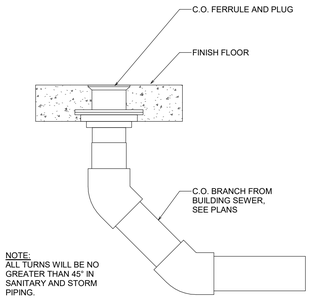
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-G PLUMB PLANS

SHEET: **P409**

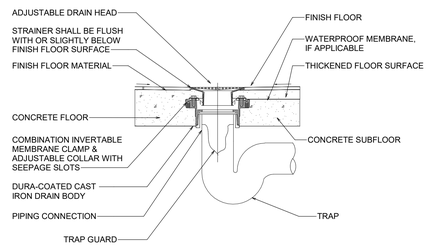
COMM #: 2265

1/16/2024 12:43:34 PM



1 P501 TYPICAL INTERIOR CLEANOUT DETAIL

NOT TO SCALE



2 P501 TYPICAL FLOOR DRAIN

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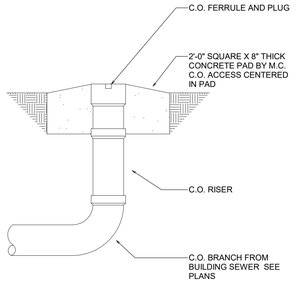

11 P501 TYPICAL EXTERIOR CLEAN-OUT

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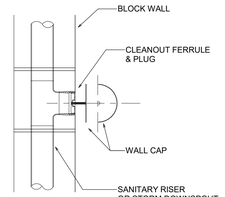
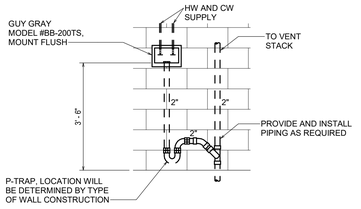


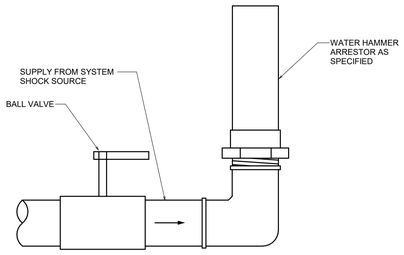
10 P501 TYPICAL WALL CLEANOUT

NOT TO SCALE



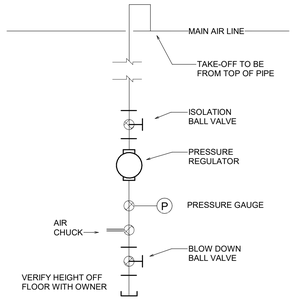
4 P501 TYPICAL GUY GRAY BOX

NOT TO SCALE



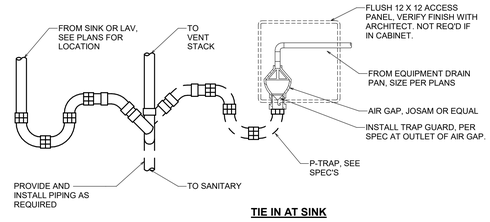
6 P501 TYPICAL WATER HAMMER DETAIL

NOT TO SCALE

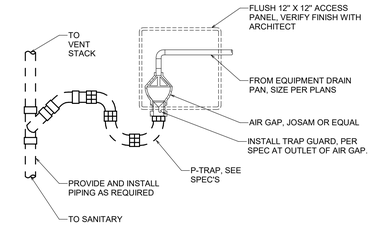


13 P501 TYPICAL AIR OUTLET

NOT TO SCALE



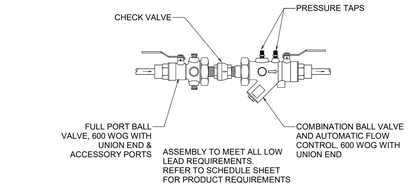
TIE IN AT SINK



WALL ACCESS

5 P501 TYPICAL OPEN SITE DRAIN / INDIRECT WASTE

NOT TO SCALE



3 P501 TYPICAL FLOW CONTROL VALVE

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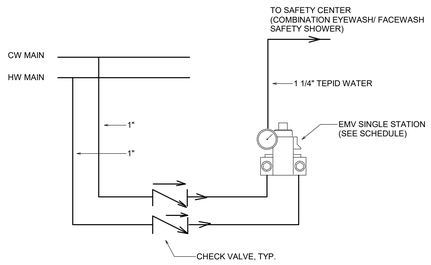

8 P501 EMERGENCY MV DETAIL

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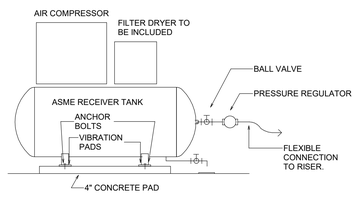
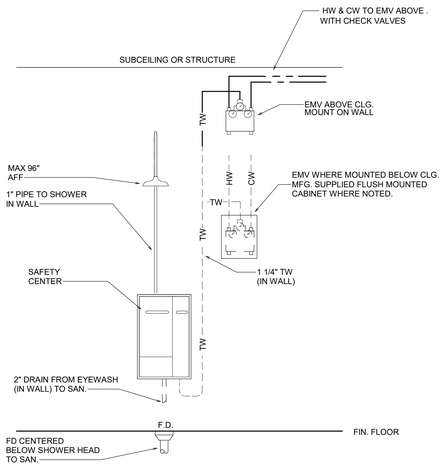


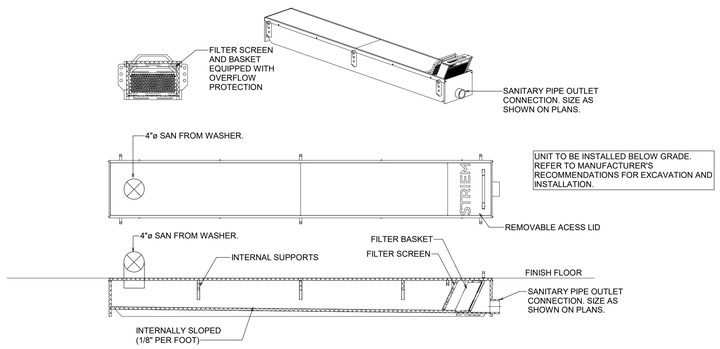
7 P501 TYPICAL AIR COMPRESSOR

NOT TO SCALE



14 P501 SAFETY SHOWER & EMV

NOT TO SCALE



9 P501 WASHER DRAIN DETAIL

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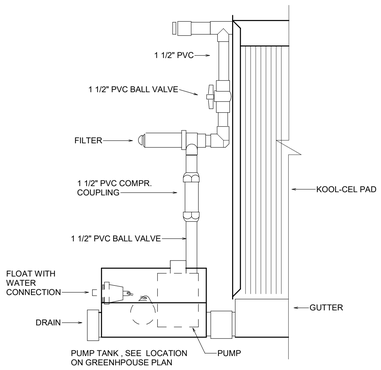

DETAIL IS FOR REFERENCE ONLY. REFER TO MANUF. INSTRUCTIONS

12 P501 INLINE TANK & KOOL SYSTEM AT GREENHOUSE

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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

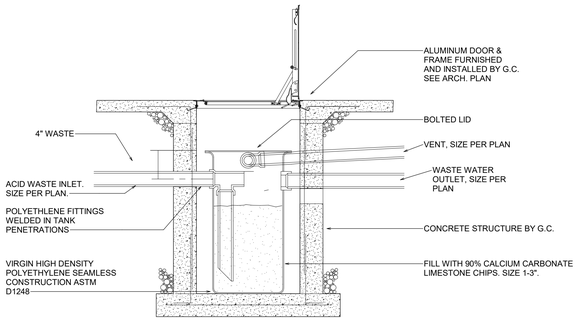
DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: PLUMBING DETAILS

SHEET: **P501**

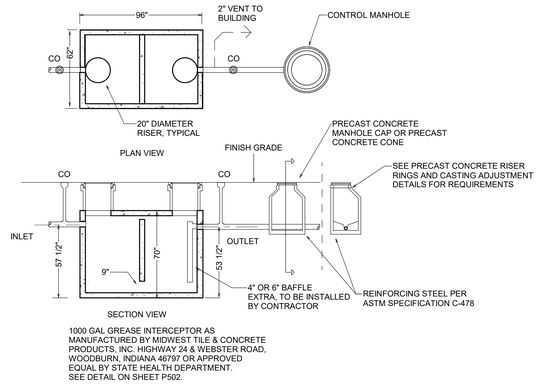
COMM #: 2265



SEE SCHEDULE FOR ACTUAL SIZE OF UNIT.

3 P502 ACID DILUTION TANK

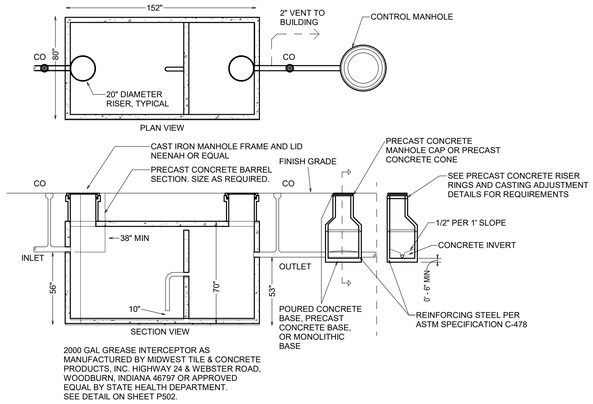
NOT TO SCALE



1000 GAL GREASE INTERCEPTOR AS MANUFACTURED BY MIDWEST TILE & CONCRETE PRODUCTS, INC. HIGHWAY 24 & WEBSTER ROAD, WOODBURN, INDIANA 46797 OR APPROVED EQUAL BY STATE HEALTH DEPARTMENT. SEE DETAIL ON SHEET P502.

2 P502 1000 GAL. GREASE INTERCEPTOR DETAIL

NOT TO SCALE



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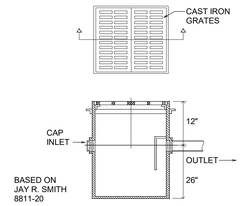
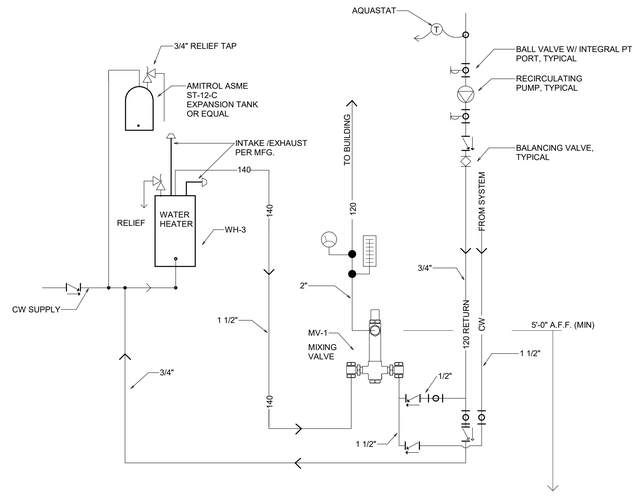
1 P502 2000 GAL. GREASE INTERCEPTOR DETAIL

NOT TO SCALE



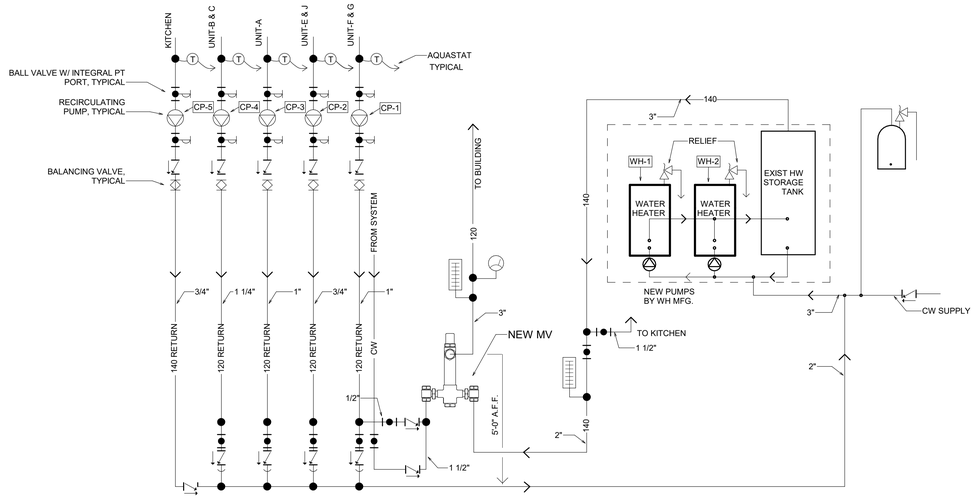
7 P502 TYPICAL SAND INTERCEPTOR

NOT TO SCALE



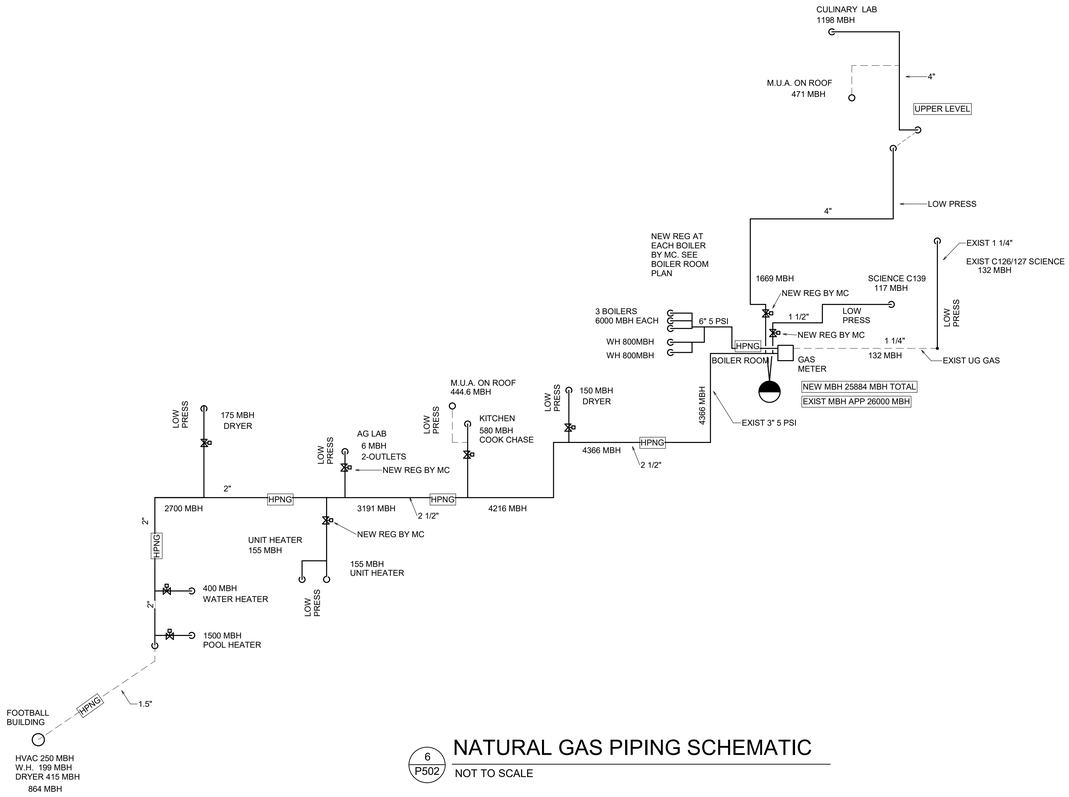
4 P502 MIXING VALVE/ WH SCHEMATIC

NOT TO SCALE



5 P502 MIXING VALVE/ WH SCHEMATIC

NOT TO SCALE



6 P502 NATURAL GAS PIPING SCHEMATIC

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DANVILLE, INDIANA

0	INDICATES REVISION AND DATE
DRAWN BY:	BAUER
DATE:	JANUARY 16, 2024
SHEET NAME:	PLUMBING DETAILS
SHEET:	P502
COMM #:	2265

AUF	AUTOMATIC URNIAL FLUSH VALVE
AWV	ACID WASTE VENT
AT	ACOUSTICAL TILE
BFP	BACK FLOW PREVENTER
CB	CATCH BASIN
CD	CONDENSATE DRAIN LINE
CDT	CHEMICAL WASTE DILUTION TANK
CO	CLEAN OUT
CUSP	CUSPIDOR
D	DRYER
DF	DRINKING FOUNTAIN
DS	DOWN SPOUT
DW	DISH WASHER
EMV	EMERGENCY MIXING VALVE
EWC	ELECTRIC WATER COOLER
FCV	FLOW CONTROL VALVE
FD	FLOOR DRAIN
FG	FIXTURE GROUP
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
G.C.	GENERAL CONTRACTOR
GD	GARBAGE DISPOSAL
GG	GUY GRAY BOX
GPM	GALLONS PER MINUTE
GUC	GAS UTILITY CONTRACTOR
HB	HOSE BIBB
HCFC	HEATING/COOLING FAN COIL UNIT
HCUV	HEATING/COOLING UNIT VENTILATOR
IE	INVERT ELEVATION
IWH	INSTANTANEOUS WATER HEATER
L	LAVATORY
M.C.	MECHANICAL CONTRACTOR
MH	MANHOLE
MUF	MANUAL URINAL FLUSH VALVE
MV	MIXING VALVE
OAI	OUTSIDE AIR INTAKE
PRE	POWER ROOF EXHAUSTER
PRV	PRESSURE REDUCING VALVE
P	PUMP
R	RANGE
RD	ROOF DRAIN
REF	REFRIGERATOR
REL. GR.	RELIEF GRILLE
RG	RETURN GRILLE
S	SINK
SAN	SANITARY SEWER
SB	SERVICE OR SINK BASIN
SFSH	SAFETY SHOWER
SH	SHOWER
SS	SERVICE OR SLOP SINK
STM	STORM SEWER
U	URINAL
VTR	VENT THROUGH ROOF
VCT	VITREOUS CLAY TILE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WF	WASH FOUNTAIN
WH	WATER HEATER
WM	WATER METER
WT	WELL TANK

01 PLUMBING ABBREVIATIONS

------	REMOVED PIPING
—ST—	STORM WATER
——►	INDICATES DIRECTION OF FLOW
——	WASTE/STORM PIPING (UNDERGROUND)
—SAN—	WASTE PIPING
——	VENT PIPING
--AWP--	ACID WASTE VENT PIPING
—G—	GAS PIPING
——	COLD WATER
——	HOT WATER
——	RECIRCULATING HOT WATER
—140—	DOMESTIC 140° HOT WATER
—180—	DOMESTIC 180° HOT WATER
—W—	RAW COLD WATER
—HPNG—	HIGH PRESSURE NATURAL GAS
—NG—	NATURAL GAS
—FP—	FIRE PROTECTION
--------	UNDERGROUND UTILITY SERVICE
—M—	METER
	THERMOMETER
	TEE
	RISER UP (ELBOW)
	RISER UP (TEE)
	RISER DOWN (ELBOW)
	RISER DOWN (TEE)
	BALL VALVE
	BUTTERFLY VALVE
	GAS COCK
	GATE VALVE
	DOUBLE BACK FLOW PREVENTER
	CHECK VALVE
	UNION
	PRESSURE GAUGE
	CONNECT NEW TO EXISTING

NOTE: SOME SYMBOLS MAY NOT BE USED

01 PLUMBING LINE TYPES

HOSE BIBB SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION	
HB-1	ZURN	Z-1321	WADE, JOSAM	OUTSIDE HOSE BIBB. NON-FREEZE CAST BRASS TYPE.WITH S.S. FACE AND SEPARATE KEY. SET 18" ABOVE GRADE AT BUILDING WHERE SHOWN ON PLAN. PROVIDE AND INSTALL BALL VALVE AT BRANCH.	
HB-2	ZURN	Z-1333	WADE, JOSAM	INSIDE HOSE BIBB, SELF-DRAINING WITH S.S. FACE AND SEPARATE KEY AND VACUUM BREAKER. TO BE INSTALLED IN FINISHED WALL WHERE PIPES ARE NOT EXPOSED. SET AT 24" A.F.F.	
HB-3	ZURN	Z841C1		WALL MOUNTED POLISHED CHROME-PLATED CAST BRASS SERVICE SINK FAUCET W/ QUARTER TURN DISC CARTRIDGES, 2 1/2" LONG SWIVEL INLETS W/ 4" CENTERS & 8" CENTERLINE SWING GOOSENECK SPOUT. WITH 2.2 GPM AERATOR AND LEVER HANDLES.	
HB-4	WOODFORD	MODEL 24 OR Y24	WADE, JOSAM	STEEL STEMMED, ANTI-SIPHON HOSE BIBB FOR INTERIOR APPLICATIONS. INCLUDE OPTIONAL KEY.	

WATER CLOSETS & URINAL SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION	
WC-1	KOHLER	KINGSTON ULTRA K-84325	AMSTAN (CHINA EQUAL) NO F.V. EQUAL	WALL-HUNG WHITE CHINA, ELONGATED BOWL SIPHON JET TOILET WITH TOP SPUD. EQUIP WITH BENEKE MODEL #523SS OR EQUAL ELONGATED OPEN FRONT SEAT. TO BE FITTED WITH ANGLE STOP AND VANDAL-PROOF CAP. USE WITH SLOAN 111-1.28 FLUSHOMETER WITH OTIMA PLUS SFSM EBV-500-A BATTERY-POWERED SENSOR ACTIVATED SINGLE FLUSH CONVERSION KIT. MOUNT AT STANDARD ADULT/ CHILD ADA HGT.	
WC-2	KOHLER	KINGSTON ULTRA K-84325	AMSTAN (CHINA EQUAL) NO F.V. EQUAL	WALL-HUNG WHITE CHINA, ELONGATED BOWL SIPHON JET TOILET WITH TOP SPUD. EQUIP WITH BENEKE MODEL #523SS OR EQUAL ELONGATED OPEN FRONT SEAT. TO BE FITTED WITH ANGLE STOP AND VANDAL-PROOF CAP. USE WITH SLOAN 111-1.28 FLUSHOMETER WITH OTPIMA PLUS SFSM EBV-500-A BATTERY-POWERED SENSOR ACTIVATED SINGLE FLUSH CONVERSION KIT. MOUNT AT ADULT ADA HGT.	
U-1	KOHLER	BARDON K-4991-ET	AMSTAN (CHINA EQUAL) NO F.V. EQUAL	WALL-MOUNTED CHINA URINAL WITH 3/4" TOP SPUD, INTEGRAL TRAP AND STRAINER WITH 2" OUTLET, FLOOR MOUNTED CARRIER WITH SUPPORT PLATE.BEARING PLATE AND ADJUSTABLE BOLTS. TO BE EQUIPPED WITH VACUUM BREAKER AND ANGLE STOP. USE WITH SLOAN 186-1.0 FLUSHOMETER WITH OPTIMA PLUS SFSM EBV-500-A POWERED SENSOR ACTIVATED SINGLE FLUSH CONVERSION KIT. MOUNT AT CHILD NON-ADA HGT.	
U-2	KOHLER	BARDON K-4991-ET	AMSTAN (CHINA EQUAL) NO F.V. EQUAL	WALL-MOUNTED CHINA URINAL WITH 3/4" TOP SPUD, INTEGRAL TRAP AND STRAINER WITH 2" OUTLET, FLOOR MOUNTED CARRIER WITH SUPPORT PLATE.BEARING PLATE AND ADJUSTABLE BOLTS. TO BE EQUIPPED WITH VACUUM BREAKER AND ANGLE STOP. USE WITH SLOAN 186-1.0 FLUSHOMETER WITH OPTIMA PLUS SFSM EBV-500-A BATTERY-POWERED SENSOR ACTIVATED SINGLE FLUSH CONVERSION KIT. MOUNT AT CHILD ADA HGT.	

SHOWER SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION	
SH-1	SYMMONS	1-903S "HYDAPIPE"	LEONARD, BRADLEY	STAINLESS STEEL SURF. MOUNT SHOWER SYSTEM, W/ TEMPTROL PRESSURE BALANCING SHOWER VALVE W/ #4-285 SHOWER HEAD. INCLUDE BUILT-IN SOAP DISH. INCLUDE MATCHING PIPE COVER FOR THRU-THE-CEILING SUPPLY FOR EACH UNIT.	
SH-2	SYMMONS	1-903S-FSB "HYDAPIPE"	LEONARD, BRADLEY	STAINLESS STEEL SURFACE MOUNTED SHOWER SYSTEM. EQUIP WITH "TEMPTROL" PRESSURE BALANCING SHOWER VALVE WITH FSB HANDSPRAY AND 30" ADJUSTABLE BAR FOR ADA COMPATIBILITY. INCLUDE BUILT-IN SOAP DISH. SYSTEM SHALL INCLUDE MATCHING PIPE COVER FOR THRU-THE-CEILING SUPPLY FOR EACH UNIT. IN ROOM E108 MOUNT AT ADA ADULT TRANSFER SHOWER HEIGHT. IN ROOM A113 MOUNT AT CHILD ADA HEIGHT (SEAT AT 17" , SHOWER CONTROL AT 38".	
SFSH-1	GUARDIAN	GBF2173		SURFACE MOUNTED SAFETY CENTER SYSTEM WITH CEILING MOUNTED EXPOSED SHOWER HEAD & DAYLIGHT DRAIN. PIPED FOR 1" TEPID WATER SUPPLY AND 2" DRAIN. STAINLESS STEEL CONSTRUCTION.	
SFSH-2	GUARDIAN	G2150		RECESS MOUNTED SAFETY CENTER SYSTEM WITH CEILING MOUNTED EXPOSED SHOWER HEAD. PIPED FOR 1" TEPID WATER SUPPLY AND 2" DRAIN. STAINLESS STEEL CONSTRUCTION.	
SFSH-3	GUARDIAN	G1994		ALL-STAINLESS STEEL SAFETY STATION WITH EYE/FACE WASH, 1 1/4" INLET, 1 1/4" DRAIN OUTLET. 1/2" EYEWASH INLET.	

SINK SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION	
S-1	JUST STANDARD S.S. SINK	SLX- 2019-A-GR	ELKAY CHICAGO FAUCET	22"X19", 18 GAUGE STAINLESS STEEL SELF-RIMMING SINGLE COMPARTMENT SINK WITH 3-HOLES AND J35 S.S. BASKET STRAINER WITH NEOPRENE STOPPER, TAILPIECE, SUPPLY PIPES AND STOPS WITH CLEANOUT ON P-TRAP.EQUIP WITH ZURN Z-831-XL-C4 FAUCET CONCEALED MOUNT MIXING FAUCET WITH 8" SWING SPOUT WITH AERATOR & WRIST BLADE HANDLES.	
S-2					
S-3	JUST 2-BOWL SINK	DL-1933-A-GR	ELKAY, CHICAGO FAUCET	33"X19 1/2" 18 GAUGE STAINLESS STEEL SELF-RIMMING DOUBLE COMPARTMENT SINK WITH 3 HOLES. EQUIP WITH ZURN #Z831-XL-C3 CONCEALED MOUNT MIXING FAUCET WITH 8" SWING SPOUT WITH AERATOR, J-35 S.S. DOU-BASKET STRAINER WITH NEOPRENE STOPPER, TAILPIECE, SUPPLY PIPES AND STOPS WITH CLEANOUT ON P-TRAP.	
S-4	JUST ART ROOM SINK	SLXD-2125-A-GR	ELKAY, CHICAGO FAUCET	21" X 25" , 18 GA. STAINLESS STEEL SINK WITH 3-HOLES AND J-35 S.S. BASKET STRAINER WITH NEOPRENE STOPPER, TAILPIECE. SUPPLY PIPES, & STOPS W/ CLEANOUT ON P-TRAP. EQUIP WITH ZURN #Z-831-XL-C3 HIGH-ARC (2) HANDLE CONCEALED MOUNT FAUCET. INCLUDE PT-1 SOLIDS INTERCEPTOR, MOUNTED OFFSET IN CASEWORK TO FACILITATE CLEANING.	
S-7	ELKAY	14-2C18X24 -2-18		STAINLESS STEEL, 2-BOWL, 16 GAUGE 74"X29 13/16" X43 3/4" W/ LEFT & RIGHT 18" DRAINBOARDS. USE WITH ZURN Z-841C1-XL SWING GOOSENECK FAUCET. & LK18B DRAINS.	
S-8	ELKAY	EWMA6020C		STAINLESS STEEL 60" X 20" X 8" WALL HUNG MULTI-STATION HAND SINK. WITH (3) - LK940GN05T4H FAUCETS & (1) - LK18B DRAIN.	
SB-1	ZURN MOP SINK	Z-1996	FIAT	SERVICE BASIN, HIGH DENSITY COMPOSITE MOLDED MOP BASIN, 24"X24", UNLESS OTHERWISE NOTED ON PLAN. PROVIDE ZURN -841M1 FAUCET, W/ VACUUM BREAKER, , WITH VACUUM BREAKER, STAINLESS STEEL BUMPER GUARD, CHROME PLATED BRASS DRAIN, HOSE , HOSE BRACKET AND MOP HANGER. CHECK VALVES IN THE COLD AND HOT WATER SUPPLY PIPING TO THE FAUCET. PROVIDE WITH (2) 24" S.S. WALL PANELS.	
SS-1	ELKAY	SS8124	JUST, ZURN	STAINLESS STEEL 14 GUAGE SINGLE COMPARTMENT SINK, ON TUBULAR LEGS. PUNCHED FOR (2) - HOLES. INCLUDE LEVER OPERATED SINK DRAIN & CHROME PLATED P-TRAP. EQUIP WITH 8" BODY FAUCET, WITH WRIST BLADES, 3/4" HOSE THREAD, VACUUM BREAKER, CHICAGO FAUCET 631-L8BVBE2-2CP OR EQUAL.	
SS-2	ELKAY	ESSB2520C		STAINLESS STEEL 14 GAUGE SERVICE SINK, WALL MOUNTED, WITH CAST IRON P-TRAP, BUCKET HOOK FAUCET IN ROUGH CHROME FINISH LK907BR03L2H.	
SS-3	FIAT	TAT1		HEAVY DUTY POLYPROPYLENE SINGLE BOWL LAUNDRY TUB WITH LEGS. INCLUDE CHROME PLATED FAUCET WITH 4" BLADE HANDLES, SWING SPOUT, AERATOR AND HOSE ADAPTER. WITH INTEGRAL DRAIN W/ PLUG, P-TRAP & SUPPLY LINE.	

LAVATORY SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION	
L-1	KOHLER	KINGSTON K-2005	AMSTAN	WALL-MOUNTED CHINA LAVATORY WITH 4" DRILLED CENTERS . INSTALL WITH K-13885 OFFSET DRAIN. EQUIP WITH P-TRAP, TAILPIECE, 3/8" SUPPLY PIPES AND LOOSE-KEY ANGLE STOPS. ZURN Z-7440-XL SIERRA POLISHED CHROME-PLATED SINGLE HANDLE CONTROL LAVATORY FAUCET WITH AERATOR & PERFORATED GRID DRAIN IN POLISHED CHROME FINISH. P-TRAP AND ANGLE STOP ASSEMBLY TO BE INSULATED WITH TRAP WRAP PROTECTIVE KIT BY BROCAR, OR EQUAL. MOUNT AT ADULT STANDARD HEIGHT	
L-2	KOHLER	KINGSTON K-2005	AMSTAN	WALL-MOUNTED CHINA LAVATORY WITH 4" DRILLED CENTERS . INSTALL WITH K-13885 OFFSET DRAIN. EQUIP WITH P-TRAP, TAILPIECE, 3/8" SUPPLY PIPES AND LOOSE-KEY ANGLE STOPS. ZURN Z-7440-XL SIERRA POLISHED CHROME-PLATED SINGLE HANDLE CONTROL LAVATORY FAUCET WITH AERATOR & PERFORATED GRID DRAIN IN POLISHED CHROME FINISH. P-TRAP AND ANGLE STOP ASSEMBLY TO BE INSULATED WITH TRAP WRAP PROTECTIVE KIT BY BROCAR, OR EQUAL. MOUNT AT ADULT ADA HEIGHT.	
L-3	BRADLEY	2-BOWL LVQD2 SERIES		BRADLEY MODULAR LAV , WITH EVERO POLISHED FINISH BOWL SYSTEM. PROVIDE (2) - BRADLEY S53-3100 BATTERY POWERED SENSOR FAUCETS FOR EACH UNIT.. INCLUDE P-TRAP, FLEXIBLE SUPPLY, STOP STRAINER AND CHECK VALVES. COLOR BY ARCHITECT. 2-BOWL UNIT.	
L-4	BRADLEY	3-BOWL LVQD2 SERIES		BRADLEY MODULAR LAV , WITH EVERO POLISHED FINISH BOWL SYSTEM. PROVIDE (3) - BRADLEY S53-3100 BATTERY POWERED SENSOR FAUCETS FOR EACH UNIT.. INCLUDE P-TRAP, FLEXIBLE SUPPLY, STOP STRAINER AND CHECK VALVES. COLOR BY ARCHITECT. 3-BOWL UNIT.	
L-5	BRADLEY	LD-3010-1		WALL MOUNTED SOLID SURFACE LAV WITH INTEGRAL BOWL SL-T01. TERREON SURFACE COLOR BY ARCH. INCLUDE BACKSPLASH. DRILL FOR CHICAGO FAUCET 802-1000ABCP DECK MOUNTED HOT & COLD FAUCETS, CHROME PLATED BRASS WITH 4" CENTERS. DECK LENGTH IS 36", WITH SINK BOWL TO BE OFFSET 15" TO BOWL CENTERLINE FROM THE SHORT SIDE (SEE PLAN)	
L-6	BRADLEY	LD-3010-2		WALL MOUNTED SOLID SURFACE LAV WITH (2) INTEGRAL BOWLS. TERREON SURFACE COLOR BY ARCH. INCLUDE BACKSPLASH. DRILL FOR (2) CHICAGO FAUCETS 802-1000ABCP DECK MOUNTED HOT & COLD FAUCETS, CHROME PLATED BRASS WITH 4" CENTERS.	

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INDICATES REVISION AND DATE

DRAWN BY: BAUER

DATE: JANUARY 16, 2024

SHEET NAME: PLUMBING SCHEDULES

SHEET: **P601**

COMM #: 2265

1/16/2024 12:43:40 PM

CLEANOUT SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION
CO-1	ZURN	ZN-1400-BP	JOSAM, WADE MIFAB	INTERIOR CLEANOUT FOR FINISHED FLOORS. SEE DETAIL ON PLUMBING PLANS.
CO-2	ZURN	Z-1474-N-BP SERIES	JOSAM, WADE MIFAB	CLEANOUT FOR OUTSIDE DRAINAGE SYSTEMS, ACCESS COVER AT FINISH GRADE. HEAVY DUTY CAST IRON FRAME, SEE DETAIL ON PLUMBING PLANS.
CO-3	ORION	FCO-RD		CORROSION RESISTANT FINISH FLOOR CLEANOUT, BRUSHED BRONZE COVER. 4" DIA. COVER. AWCO
WCO-1	ZURN	Z-1441-BP	JOSAM, WADE	WALL CLEANOUT WITH STAINLESS STEEL ACCESS COVER & BRONZE PLUG.

MIXING VALVE SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION
MV-1	LAWLER	800 SERIES	LEONARD, BRADLEY	HI-LOW MIXING VALVE FOR FLOWS FROM 4 GPM TO 117 GPM (96 @ 10 PSI PD. VALVE TO BE CERTIFIED TO ASSE 1017 STANDARD AND CONSTRUCTED WITH BRONZE BODY WITH REPLACEABLE PARTS. TO BE EQUIPPED WITH UNION END STOP AND CHECK VALVES ON INLETS & DIAL THERMOMETER AND SHUT-OFF VALVE ON OUTLET. MOUNT ON RACK.
MV-2	LAWLER	800 SERIES	LEONARD, BRADLEY	HI-LOW MIXING VALVE FOR FLOWS FROM 1 GPM TO 35 GPM . VALVE TO BE CERTIFIED TO ASSE 1017 STANDARD AND CONSTRUCTED WITH BRONZE BODY WITH REPLACEABLE PARTS. TO BE EQUIPPED WITH UNION END STOP AND CHECK VALVES ON INLETS & DIAL THERMOMETER AND SHUT-OFF VALVE ON OUTLET. MOUNT ON RACK.
EMV-1	LAWLER	911 E	LEONARD, BRADLEY	EMERGENCY FIXTURE THERMOSTATIC MIXING VALVE. TO BE CERTIFIED TO THE ASSE 1017 STANDARD. OUTLET THERMOTER & INLET CHECK VALVES TO BE INSTALLED. PROVIDE LOCKABLE CABINET. THIS IS FOR A SINGLE SAFETY CENTER OR COMB. SAFETY SHOWER/ EYEWASH.
EMV-2	LAWLER	911	LEONARD, BRADLEY	EMERGENCY FIXTURE THERMOSTATIC MIXING VALVE. TO BE CERTIFIED TO THE ASSE 1017 STANDARD. OUTLET THERMOTER & INLET CHECK VALVES TO BE INSTALLED. PROVIDE LOCKABLE CABINET. THIS IS FOR MULTIPLE SAFETY CENTERS.

WATER HEATER SCHEDULE

TAG	MFG.	MODEL#	FUEL	STORAGE	GPH	EFF.	BTU/HR	PUMP HP	PUMP VOLT	VOLT	WEIGHT
WH-1 AND WH-2	LOCHINVAR	AWH0800 NPM	NAT. GAS	DETACHED SEE BELOW	950 GPH AT 100d RISE	98%	800, 000	3/4	120V-60-1	120V-60-1	433

2 - WH ARE TO CONNECT TO EXISTING LOCHINVAR RGA 0650 , 650 GAL TANK.
CONNECTIONS ARE: 2" WATER, (2) - MFG. SUPPLIED PUMPS, (2) - 1 1/4" NG, 4" AIR INLET, 6" VENT.

STORAGE WATER HEATER SCHEDULE

TAG	MFG.	MODEL#	FUEL	STORAGE	1 ST HOUR	GPH	EFF.	BTU/HR	VOLT	WEIGHT
WH-3	LOCHINVAR	SWA200N	NAT. GAS	90 GALLON	304 GPH	232 GPH AT 100d RISE	96%	199, 000	120V-60-1	725

PROVIVE & INSTALL 4" INTAKE & 4" EXHAUST.

FLOOR / ROOF DRAIN SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION	
FD-1	ZURN	ZN-415-BZ	JOSAM, WADE MIFAB	DUROCOATED CAST IRON BOTTOM OUTLET DRAIN W/ INVERTABLE MEMEBRANE CLAMP, SEEPAGE SLOTS, AND ROUND NICKEL BRONZE "BZ" LEVELING STRAINER.	1.
FD-2	ZURN	Z-415 -7E	JOSAM, WADE MIFAB	FLOOR DRAIN BODY WITH 4" NICKEL BRONZE FUNNEL STRAINER, SIZE AS NOTED ON PLUMBING PLANS.	1.
FD-3	ZURN	Z-1901-33-2	JOSAM, WADE MIFAB	12X12x8 SANITARY FLOOR SINK WITH ACID RESISTING PORCELAIN ENAMELED INTERIOR, PORCELAIN ENAMELED GRATE, INTERNAL PORCELAIN ENAMELED DOME AND FLANGE. 1/2 GRATE.	
FD-4	ZURN	Z-1901-33-KC2	JOSAM, WADE MIFAB	12X12x8 SANITARY FLOOR SINK WITH ACID RESISTING PORCELAIN ENAMELED INTERIOR, PORCELAIN ENAMELED GRATE, INTERNAL PORCELAIN ENAMELED DOME AND FLANGE. FULL GRATE .	
FD-5	ZURN	Z508-4NH9	JOSAM, WADE MIFAB	EXTRA HEAVY DUTY FLOOR DRAIN WITH 4" NO HUB OUTLET.	
FD-6	ORION	FD-COMBO-BL-PP-SS- RD		BLUELINE FLOOR DRAIN ROUND STAINLESS STEEL STRAINER AND POLYPROPYLENE PIPING OUTLET. ACID RESISTING FLOOR DRAIN 5" S.S. STRAINER. FOR LAB APPLICATIONS. 3" SIZE UNLESS NOTED OTHERWISE.	
FD-7	ZURN	Z1752-Y-2	JOSAM, WADE MIFAB	12X12X10 SANITARY FLOR RECEPTOR, STAINLESS STEEL, WITH SEDIMENT BUCKET AND 1/2 GRATE.	
TD-1	DURO TRENCH SHOWER DRAIN			POLYMER CONRETE TRENCH WITH STAINLESS STEEL GRATE	
TD-2	ZURN	Z-886		6" WIDE SLOPED MODULAR HDPE TRENCH DRAIN WITH HDPE GRATE. INCLUDE 6" X 12" SUMP WITH LIFT-OUT SEDIMENT BUCKET & 4" OUTLET.	
TD-3	STRIEM	TUFF TROUGH		POLYETHYLENE DRAIN TROUGH . 18" WIDE X 12" DEEP. SEE PLAN FOR LENGTH. TT-3 IS 36" LONG, TT-4 IS 48" LONG. 3" INLET OUT OF TOP. 4" OUTLET. INTEGRAL LINT FILTER SCREEN. SEE DETAIL ON SHEET P501	

1. 3" DRAINS & LARGER TO HAVE 6" STRAINER.

INCLUDE BARRIER TYPE TRAP SEAL AT ALL FLOOR DRAINS EXCEPT HIGH-USE AREAS AUCH AS KITCHEN & SHOWER DRAINS. ZURN Z1072 ZSHIELD OR EQUAL.

DOMESTIC PUMP SCHEDULE

TAG	MFG.	EQUAL	MODEL NUMBER	SIZE	HEAD FEET	MOTOR RPM	MOTOR HP	ELECTRICAL	SYSTEM	GPM	NOTES
CP-1	BELL & GOSSETT	GRUNFOS	PL	36	20	3300	1/6	115/60/1	120 DEG. DOM.	4	1" FLANGE
CP-2	BELL & GOSSETT	GRUNFOS	PL	36	20	3300	1/6	115/60/1	120 DEG. DOM.	3	3/4"
CP-3	BELL & GOSSETT	GRUNFOS	PL	36	20	3300	1/6	115/60/1	120 DEG. DOM.	4	1"
CP-4	BELL & GOSSETT	GRUNFOS	PL	36	20	3300	1/6	115/60/1	120 DEG. DOM.	9	1 1/4"
CP-5	BELL & GOSSETT	GRUNFOS	PL	36	20	3300	1/6	115/60/1	140 DEG. DOM.	1	3/4"
CP-6	BELL & GOSSETT	GRUNFOS	PL	36	24	3300	1/6	115/60/1	120 DEG. DOM.	2	3/4"

TCC TO CYCLE ON/OFF BASED UPON RETURN WATER TEMPERATURE.
ALL BRONZE CONSTRUCTION FOR POTABLE WATER SUPPLIES.

MISCELLANEOUS PLUMBING FIXTURE SCHEDULE

TAG	MFG.	MODEL#	EQUAL	GENERAL DESCRIPTION
GD-1	IN-SINK-ERATOR	EVOLUTION		BATCH FEED DIPOSER WITH LOCK-TYPE COVER. 3/4 HP, 120/60/1 ELECT. INCLUDE PLUG AND CORD.
GG-1	GUY GRAY BOX	8200 SERIES		WASHER OUTLET BOX, STAINLESS STEEL. WITH CW & HW AND DRAIN CONNECTIONS.
GG-2	GUY GRAY BOX	8200 SERIES		FOR ICEMAKER CONNECTION BOX. WITH CW CONNECTION & SHUT-OFF VALVE.
FCV-1	NEXUS	ULTRAMATIC UMNL		LEAD FREE AUTOMATIC FLOW CONTROL VALVE TO BE INSTALLED IN HW RECIRCULATION LINES AS SHOWN ON PLANS. INCLUDE BALL VALVE & PETE'S PLUG ON INLET & OUTLET WITH UNION ENDS. SHIP CARTRIDGES TIED TO VALVE BODY TO BE INSTALLED BY CONTRACTOR AFTER ALL SYSTEM FLUSHING IS COMPLETED. REFER TO DETAIL
EWC-1	MURDOCK	A171408F-UG -WFI-B12-BCD	N/A	ELECTRIC WATER COOLER WITH NO-TOUCH BOTTLE FILLING STATION. TO BE INSTALLED FOR ADA REACH GUIDELINES. . WATER FILTER INCLUDED. 110-120V TO PLUG INTO WALL OUTLET. SINGLE UNIT. STAINLESS STEEL FINISH.
EWC-2	MURDOCK	A172.8-8-UG -BF SERIES	N/A	BI-LEVEL WATER COOLER WITH NO-TOUCH BOTTLE FILLING STATION. TO BE INSTALLED FOR ADA REACH GUIDELINES. WATER FILTER INCLUDED. 110-120V TO PLUG INTO WALL OUTLET. STAINLESS STEEL FINISH.
EWC-3	MURDOCK	A171408F-UG -SO-WFI	N/A	BARRIER -FREE ADA WATER COOLER, FILTERED. 110-120V TO PLUG INTO WALL OUTLET. STAINLESS STEEL FINISH.
BF-1	MURDOCK	BF-48-BCD -WFI	N/A	IN-WALL BOTTLE FILLING STATION, STAINLESS STEEL FINISH, HANDS FREE , WITH FILTER.
GD-1	IN-SINK-ERATOR	EVOLUTION		BATCH FEED DISPOSER W/ LOCK TYPE COVER, INCLUDE PLUG & CORD. 3/4 HP, 120/60/1.
PT-1	STRIEM	SIDEKICK		SOLIDS INTERCEPTOR, MOUNTED OFFSET IN CASEWORK TO FACILITATE CLEANING.
AWT-1	ORION	150 GAL	STREIM	CYLINDRICAL NEUTRALIZATION TANK. WITH STANDARD NON-LOADBEARING COVER. TO BE FILLED WITH VENDOR SUPPLIED LIMESTONE CHIPS. TO BE INSTALLED AS SHOWN ON DETAIL SHEET P502.
SI-1	JAY R. SMITH	8811-20		SAND INTERCEPTOR. STEEL CATCH BASIN, W/ GRAY DUCO COATED INSIDE. DUCTILE IRON GRATES.
BFP-1	WILKINS	300/400 SERIES	WATTS	STATE APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER ASSEMBY W/ RISING STEM GATE VALVES. INCLUDE "Y" STRAINER.
GUC-1	MCMASTER - CARR LAB RESET SWITCH	RED SPST-NC		EMERGENCY GAS SHUT-OFF CONTROLLER IS TO BE A WALL OR CASEWORK MOUNTED WITH PANIC BUTTON, KEYED SWITCH & RESET BUTTON. UNIT IS TO BE SUPPLIED WITH 120 VAC POWER & OUTPUT 24 VAC TO ACTIVATE SOLENOID VALVE WHERE INDICATED. 24 VAC WIRING BY M.C. VERIFY LOCATION WITH ARCH/ OWNER.

AIR COMPRESSOR SCHEDULE

TAG	MFG.	MODEL#	FLOW CAPACITY	AIR RECEIVER GALLON	PRESSURE	POWER	SOUND	VOLTAGE	WEIGHT	REMARKS
AC-1	QUINCY	QGS-10 TMD-3	38.8 CFM	120	125 PSIG	10 HP	65 db	460V-3 PHASE	974 LBS	W/ FILTER DRYER

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

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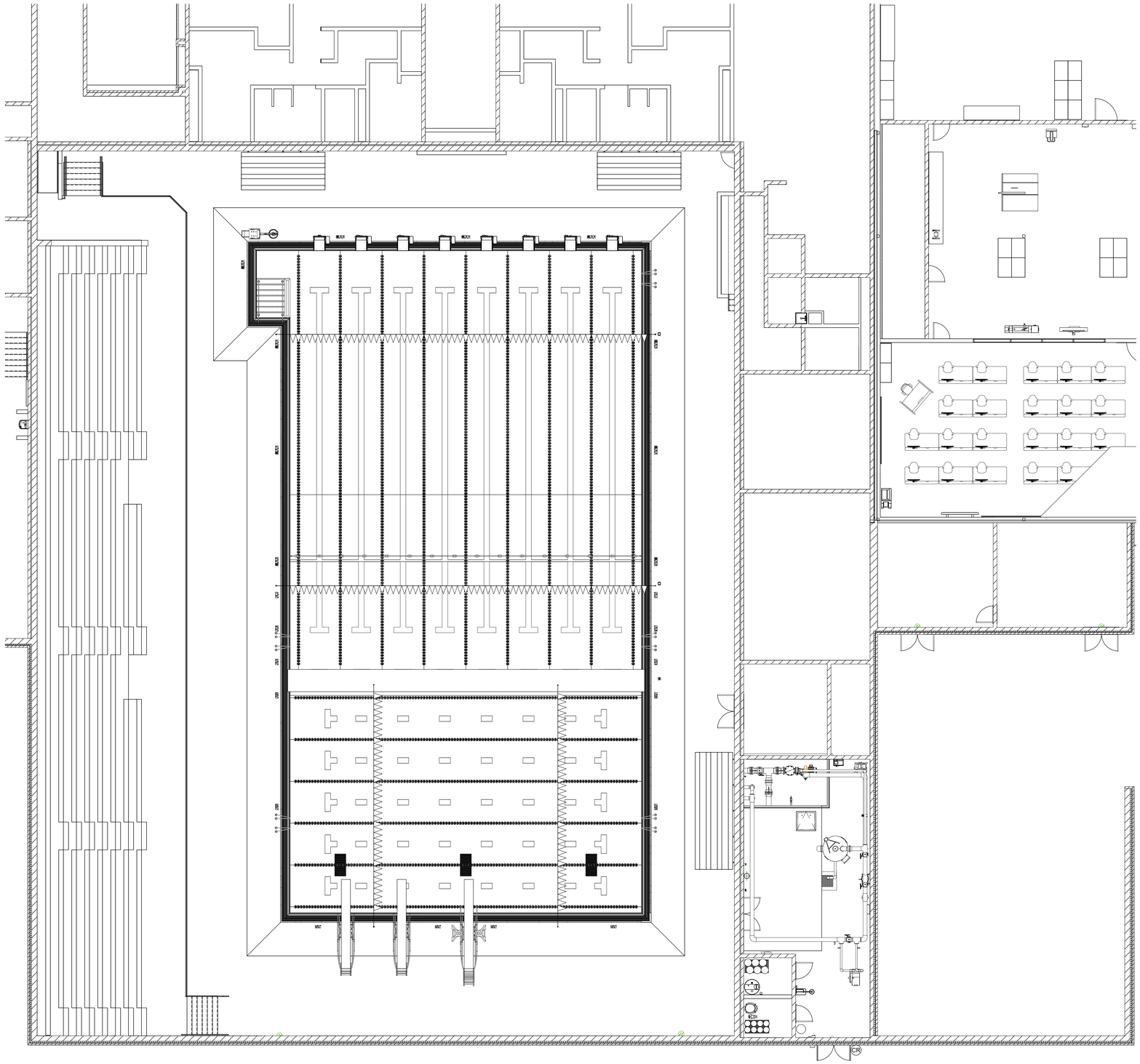

1 OVERALL
1/8" = 1'-0"

PROJECT SCOPE:

1. CONSTRUCT NEW POOL WITH 25 YARD COURSE LANES, BULKHEAD AND DIVE WELL. POOL GUTTER TO INCORPORATE DECK DRAINS AND EVACUATOR SYSTEM.
2. INSTALL NEW PUMP, FILTRATION EQUIPMENT, HEATER, AND CHEMICAL EQUIPMENT IN NEW MECHANICAL ROOM
3. INSTALL POOL PIPING CONNECTING MECHANICAL EQUIPMENT TO SWIMMING POOL.

CODES &REGULATIONS:

1. CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES & REGULATIONS
   - INDIANA POOL CONSTRUCTION CODE: 675 IAC 20 SWIMMING POOL CONSTRUCTION CODE
   - INDIANA STATE DEPARTMENT OF HEALTH (ISDH) CODE: 410 IAC 6-2.1 PUBLIC AND SEMI PUBLIC POOLS
   - INTERNATIONAL BUILDING CODE (I.B.C.), 2012 EDITION
   - NATIONAL ELECTRICAL CODE (N.E.C.), 2014 EDITION
   - INTERNATIONAL EXISTING BUILDING CODE, 2012 EDITION
   - INTERNATIONAL MECHANICAL CODE, 2012 EDITION
   - ALL APPLICABLE LOCAL LAWS AND CODES

GENERAL NOTES:

1. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES & REGULATIONS.
2. DO NOT SCALE DRAWINGS. CONTACT THE ENGINEER FOR ANY DIMENSIONS NOT SHOWN.
3. INTERPRETATION OF DRAWINGS & SPECIFICATIONS
   - A. FOR CONVENIENCE, SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT AND ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS SUBCONTRACTORS.
   - B. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED, SHALL BE THE SAME AS SIMILAR PARTS THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
   - C. SHOULD A CONFLICT APPEAR IN THE WORKING DETAILS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR IS TO PROVIDE WRITTEN NOTICE TO THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY INSTRUCTIONS IN WRITING FROM THE ENGINEER, THEN THE CONTRACTOR SHALL HAVE NO VALID CLAIM AGAINST THE OWNER FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.
   - D. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE DESIGN DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE.
   - E. IN CASE OF A CONFLICT BETWEEN DESIGN DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH PROJECT DOCUMENTS PRIOR TO COMMENCING ANY WORK.
5. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT. SHOULD THERE BE ANY QUESTION, CONTACT THE ENGINEER PRIOR TO PROCEEDING.
6. ANY SUBSTITUTIONS OR ALTERNATE DETAILS SHALL BE REVIEWED BY THE ENGINEER. SUCH REVIEW WILL REQUIRE A TIME AND MATERIALS CONTRACT TO BE SET UP WITH THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
7. VERIFY EXACT LOCATIONS AND SIZES OF HOLES IN FLOOR, AND ROOF FOR PLUMBING, HVAC, AND ELECTRICAL WITH RESPECTIVE CONTRACTORS AND SUB-CONTRACTORS.
8. THE UNDERGROUND SERVICES AND UTILITIES SHOWN ON THE DRAWINGS REFLECT BEST AVAILABLE INFORMATION, HOWEVER, EXACT LOCATIONS FOR EACH SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE EXCAVATING. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO LOCATE AND PROTECT ANY UNDERGROUND OR CONCEALED CONDUIT, PLUMBING, OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SCHEDULING, COORDINATION MEANS AND METHODS.
10. CARE MUST BE TAKEN BY ALL TRADES TO COORDINATE LOCATIONS OF UNDERGROUND PIPING AND CONDUITS TO ASSURE NO CONFLICTS. ALL PIPING SHOWN HEREIN IS DIAGRAMMATIC IN NATURE UNLESS OTHERWISE NOTED.

SAFETY NOTES:

1. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF INDIANA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
2. THE OWNER AND THE ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED.

POOL DATA		
DESCRIPTION	DATA	UNITS
PERIMETER	376	FT
SURFACE AREA	7,554	FT^2
VOLUME	60,166	FT^3
VOLUME	450,073	GAL
TURN OVER TIME	6	HRS
FLOW RATE	1,251	GPM
FILTER AREA	1,211	FT^2
FILTERATION RATE	1.03	GPM/FT^2

Sheet List	
Sheet #	Sheet Name
SP0.0	OVERALL
SP1.0	CALLOUTS
SP2.0	POOL PLAN
SP2.1	GUTTER PLAN
SP3.0	UNDERGROUND PIPING
SP4.0	MECHANICAL ROOM
SP4.1	SURGE TANK
SP5.0	DETAILS
SP5.1	DETAILS
SP5.2	DETAILS
SP6.0	PIPING SCHEMATIC
SP6.1	MEP
SP6.2	SCOREBOARD AND TIMING SYSTEM
SPS001	GENERAL STRUCTURAL NOTES
SPS101	POOL FOUNDATION PLAN
SPS401	TYPICAL DETAILS
SPS701	SECTIONS AND DETAILS

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RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **100% CD SET**
DRAWN BY: **Author**
DATE: **JANUARY 16, 2024**
SHEET NAME: OVERALL

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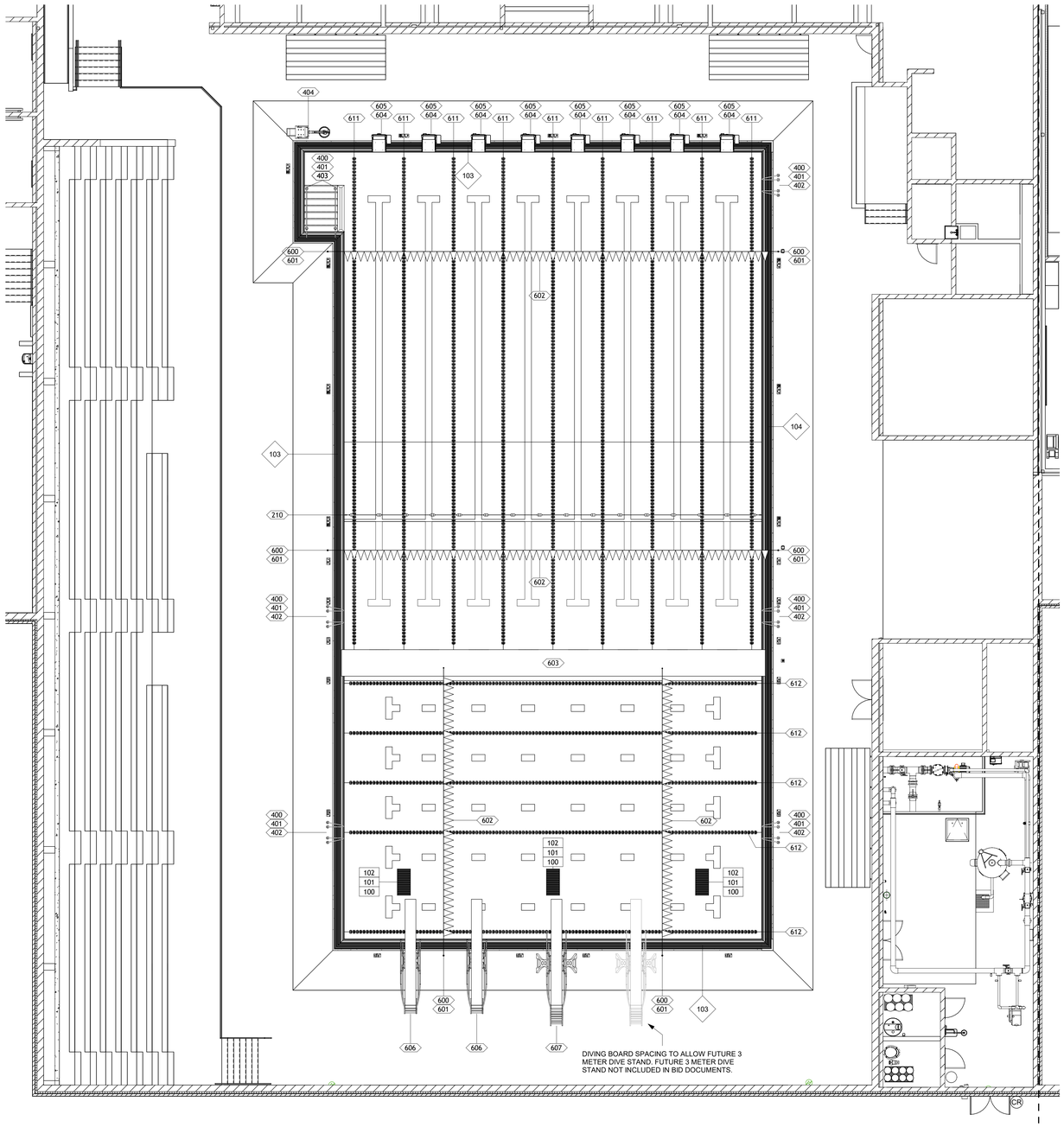

1 CALLOUTS
1/8" = 1'-0"

CIRCULATION EQUIPMENT SCHEDULE				
Type Mark	Description	Manufacturer	Model	Count
100	24x48 SS Main Drain	Paddock	2448EMSD-FC	3
101	Hydrostatic Relief Valve	Hayward	SP1056	3
102	Collector Tube	Hayward	SP1055	6
103	Roll Out Stainless Steel Gutter with Deck Drain	Paddock	R300TG	257
104	Roll Out Stainless Steel Gutter with Evacuator	Paddock	R300TG	119

SAFETY EQUIPMENT SCHEDULE				
Type Mark	Description	Manufacturer	Model	Count
200	6' - Discovery Lifeguard Chair	Spectrum Aquatics	20160	4
201	24" Ring Bouy	Water Safety Products	724	1
202	Buoy Throw Line	Water Safety Products	723	1
203	Life Hook	Pentair	R221026	1
204	16' Pole	Pentair	R191104	1
205	Spine Board	Water Safety Products	735M	1
206	Pop-On Head Immobilizer	Water Safety Products	736P	1
207	Velcro Backboard Straps	Water Safety Products	737V	1
208	Rescue Tube	Water Safety Products	708	1
209	First Aid Kit	Water Safety Products	728	1
210	Safety Rope - 60 feet	American Grandby	PR75-3	1
211	Safety Rope Buoy	American Grandby	IF5975	16
212	Safety Rope Hook	American Grandby	AGHP53	2

MAINTENANCE EQUIPMENT SCHEDULE				
Item #	Description	Manufacturer	Model	Count
300	Wall Brush	Pentair	R111366	1
301	Skimming Net	Pentair	R121196	1
302	8'-16' Telescoping Pole	Pentair	R191092	2
303	Digital Test Kit	Palintest	Lumiso	1
304	Check Standards	Palintest	PT804	1
305	Automatic Pool Vacuum	Maytronics	Wave200	1
306	Stainless Steel Cleaner	Spectrum	47905	1

DECK EQUIPMENT SCHEDULE				
Type Mark	Description	Manufacturer	Model	Count
400	1.5" Escutcheon	Spectrum Aquatics	24095	24
401	4" Bronze Wedge Anchor	Spectrum Aquatics	54052	24
402	Cisco Grab Rails - 30" Setback	Spectrum Aquatics	35124-.120	5
403	4'-0" Deep Stair Rails	Spectrum Aquatics		2
404	ADA LIFT	Spectrum Aquatics	163145	1
405	Spare ADA Lift Battery	Spectrum Aqatics	153607	1
406	ADA Lift Cover	Spectrum Aquatics	47949	1

COMPETITION EQUIPMENT SCHEDULE				
Type Mark	Description	Manufacturer	Model	Count
600	8' Stanchion - 1.9 X .145, 316L	Spectrum Aquatics	134034-96	8
601	Bronze 6" Stanchion Anchor Kit	Spectrum	23638	8
602	Backstroke Flags	Recreonics	92-311	206
603	Bulkhead	Paddock	CUSTOM	1
604	Starting Block with Custom Logo - Dual Post, 30" Setback	Spectrum Aquatics	Xcellerator - DP .5WD 30SB	8
605	Dual Post Starting Block Anchor	Spectrum	24071	8
606	1 Meter Dive Stand	Duraflex	70-231-400	2
607	3 Meter Dive Stand	Duraflex	70-231-300	1
608	16' Maxi "B" Board	Duraflex	66-231-330	3
609	Storage Reel	Competitor	200860	1
610	Storage Reel Cover	Competitor	200861	1
611	6" - 25YD Lane Line	Competitor	200372	9
612	6" - 63ft Dive Well Lane Line	Competitor	200375	6

NOTES:

1. LOCATE SAFETY EQUIPMENT AS REQUIRED PER STATE AND LOCAL CODES.
2. EXPANSION AND CONTROL JOINTS FOR WALL AND GUTTER SHALL BE LOCATED IN LINE WITH ALL FLOOR JOINTS
3. SWIMMING POOL CONTRACTOR IS RESPONSIBLE TO VERIFY SCHEDULE QUANTITIES REQUIRED.
4. REFER TO STRUCTURAL DRAWINGS FOR ALL DIMENSIONS REGARDING THICKNESS OF POOL CONCRETE, REBAR, AND BACKFILL MATERIAL.
5. BONDING SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
6. GRAB RAILS, STANCHIONS, ADA LIFT, STARTING BLOCKS, AND LIFEGUARD CHAIRS TO BE POWDER COATED. POWDER COAT COLOR SELECTED BY ARCHITECT.
7. SWIMMING POOL CONTRACTOR TO FIELD VERIFY ACTUAL POOL DEPTHS BEFORE INSTALLING DEPTH MARKERS.

MEYER NAJEM

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The Leader in the Aquatic Industry Since 1964.
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DANVILLE, INDIANA

INDICATES REVISION AND DATE

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DRAWN BY: **Author**
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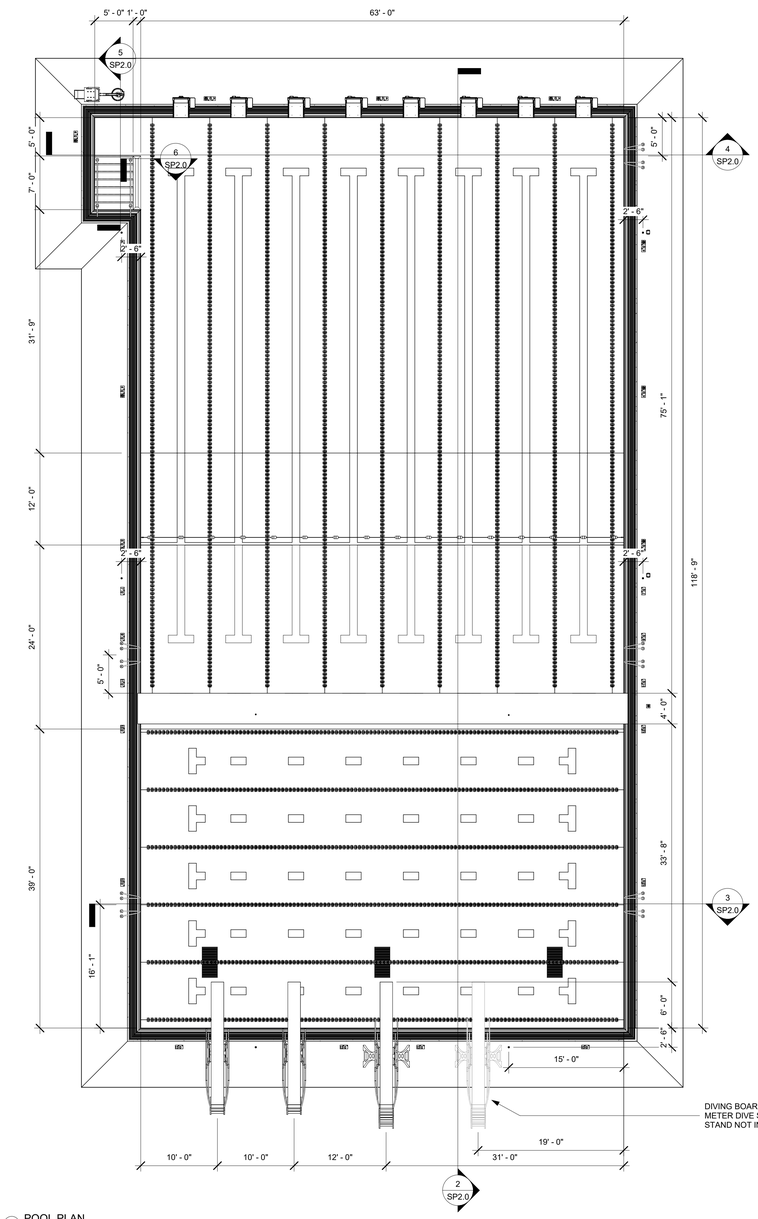
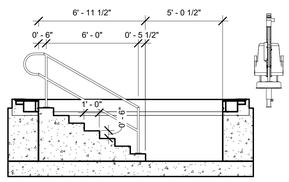
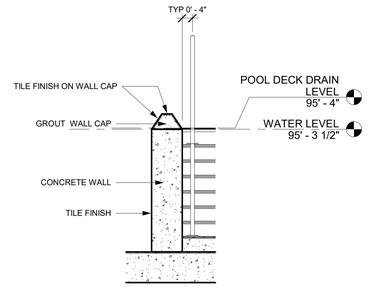


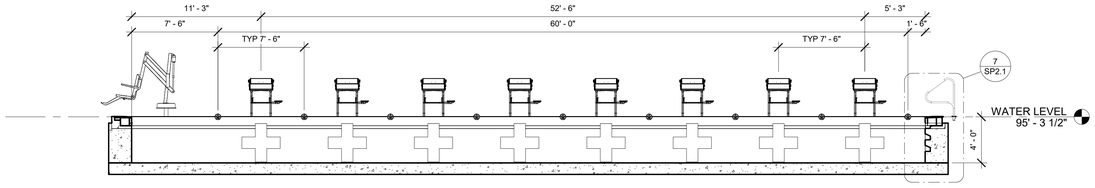
1 POOL PLAN
1/8" = 1'-0"



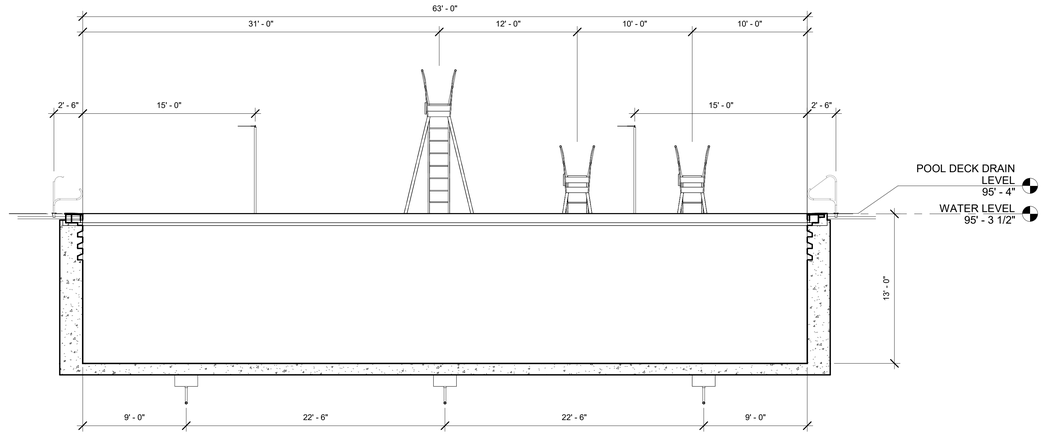
5 POOL STAIRS
1/4" = 1'-0"



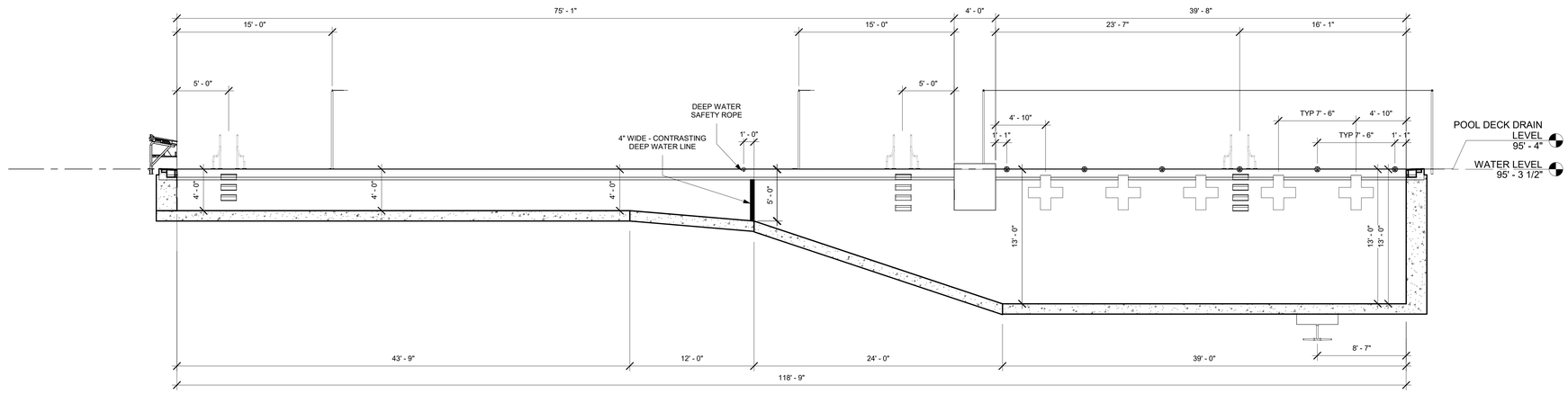
6 WING WALL SECTION
1/2" = 1'-0"



4 SHALLOW SECTION
3/16" = 1'-0"



3 DIVE WELL SECTION
3/16" = 1'-0"



2 POOL LENGTH SECTION
3/16" = 1'-0"

NOTES:

1. ELEVATION DIMENSIONS ARE FROM WATER LEVEL. DECK ELEVATION IS 1/2" ABOVE WATER LEVEL.
2. ALL TARGETS AND LANE STRIPES TO COMPLY WITH 2022-23 NFHS RULE CHANGES.
3. REFER TO STRUCTURAL DRAWINGS FOR ALL DIMENSIONS RELATING TO THICKNESS OF POOL CONCRETE, REBAR SIZE, OR BACKFILL MATERIAL.
4. POOL FLOOR AND WALL TO BE FINISHED WITH 2X2 TILE. FINAL COLOR SELECTED BY ARCHITECT.
5. STEP'S NOSING, FLOOR LANE LINES, DEEP WATER LINE , AND WALL TARGETS TO BE 2X2 TILE FINISH. TILE TO BE IN CONTRASTING COLOR FROM POOL TILE. FINAL COLOR SELECTION BY ARCHITECT.
6. DEPTH MARKERS SHOWN ARE FOR REFFERENCE ONLY. DEPTH MARKERS TO REFLECT EXACT DEPTH. CONTRACTOR TO FIELD VERIFY DEPTHS BEFORE INSTALLEING DEPTH MARKERS.

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ARCHITECTS & ENGINEERS

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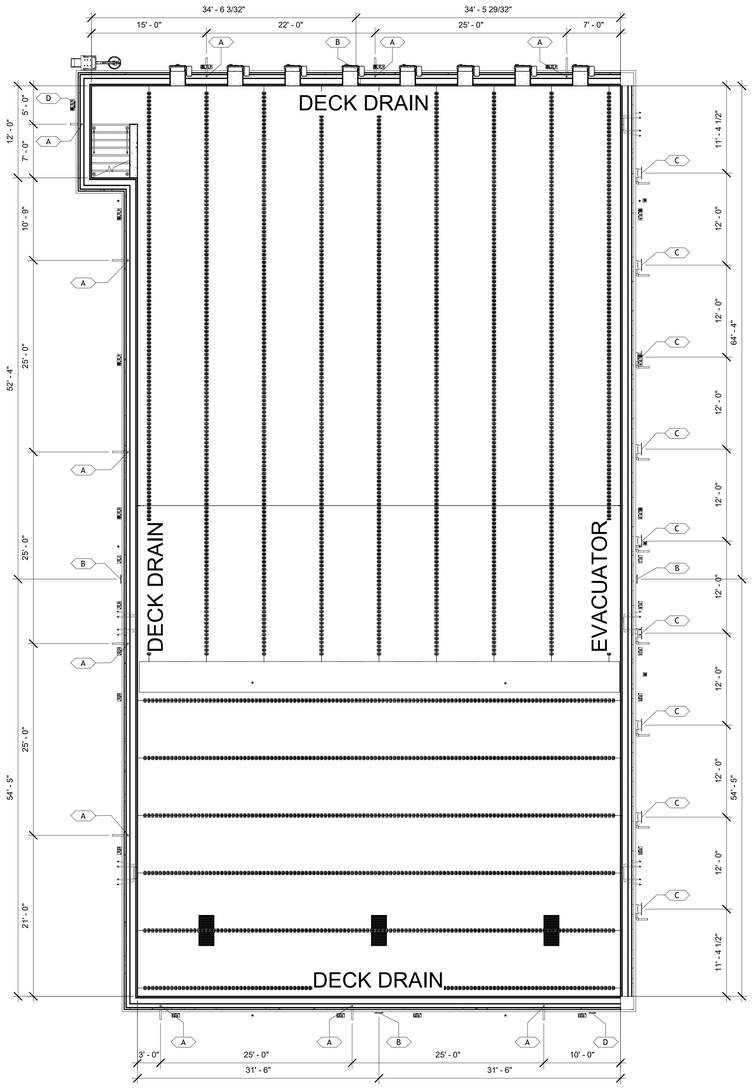
RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE
STATUS: 100% CD SET
DRAWN BY: RMD
DATE: JANUARY 16, 2024
SHEET NAME: POOL PLAN

SHEET: **SP2.0**
COMM #: 23002

I:\Active\2023\23002\Drawings\Sheets\23002 SP2.0 POOL PLAN.dwg, 1/16/2024 11:38:13 AM



1 GUTTER PLAN
1/8" = 1'-0"

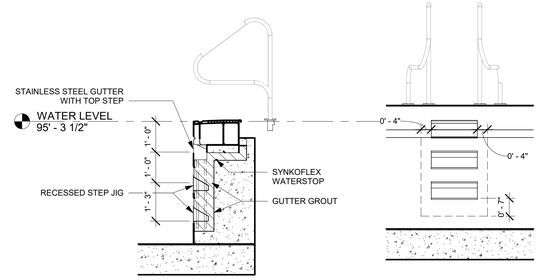
GUTTER SCHEDULE		
ITEM #	Description	Count
A	Deck Drain Dropout - 2"	11
B	Gutter Drop Convertor - 8" Connection	4
C	Evacuator Duct Convertor - 12" Duct with 2" Deck Drain Connection	9
D	Gutter Return - 6" Connection	2

NOTES:

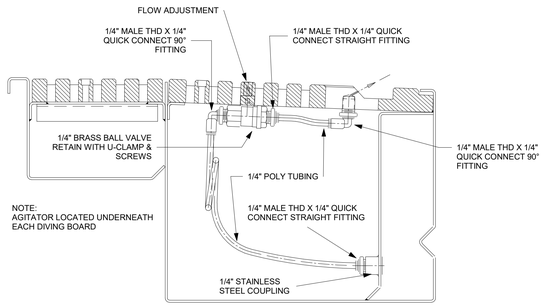
1. DECK DRAIN CONNECTIONS TO BACK OF GUTTER ARE APPROXIMATE. VERIFY FINAL CONNECTION LOCATIONS BY GUTTER MANUFACTURER.
2. DECK DRAIN PIPING SHOWN STUBBED OUT FOR CLARITY OF LOCATION. PLUMBING CONTRACTOR TO MAKE DECK DRAIN CONNECTIONS AT DECK DRAIN DROP OUTS AND BOTTOM OF EVACUATOR DROP OUT.

NOTES:

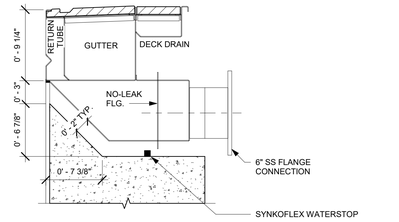
1. GUTTER GROUT TO BE - SIKA INTRAPLAST 'N' BY SIKA CORP. USE AT A DOSAGE RATE OF 1/3 OF 1% BY WEIGHT OF CEMENTITIOUS MATERIAL (CONCRETE)
2. RECESSED STEPS AT 5 FEET OR SHALLOWER TO BE 3 STEP
3. RECESSED STEPS AT 5 FEET OR DEEPER TO BE 4 STEP



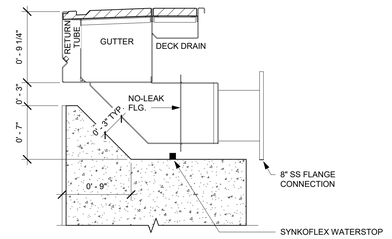
7 Section 11
1/2" = 1'-0"



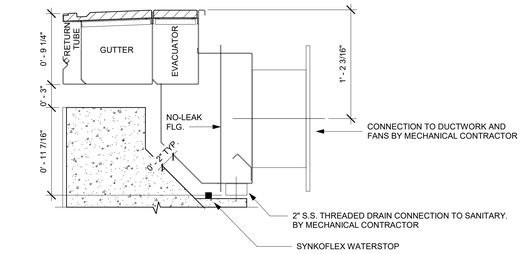
8 Agitator



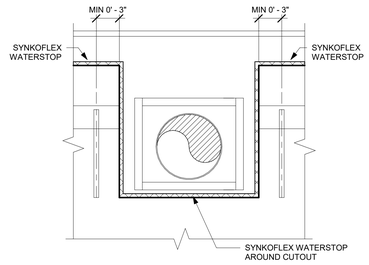
2 FILTER RETURN TUBE CONVERTER



3 GUTTER TROUGH CONVERTER

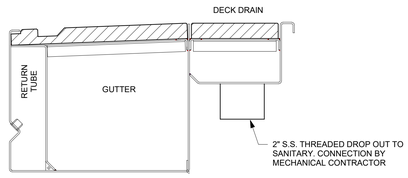


4 Evacuator Converter - 12" Connection



CUT-OUT REAR VIEW

5 TYPICAL WALL CUT-OUT



6 Deck Drain Connection

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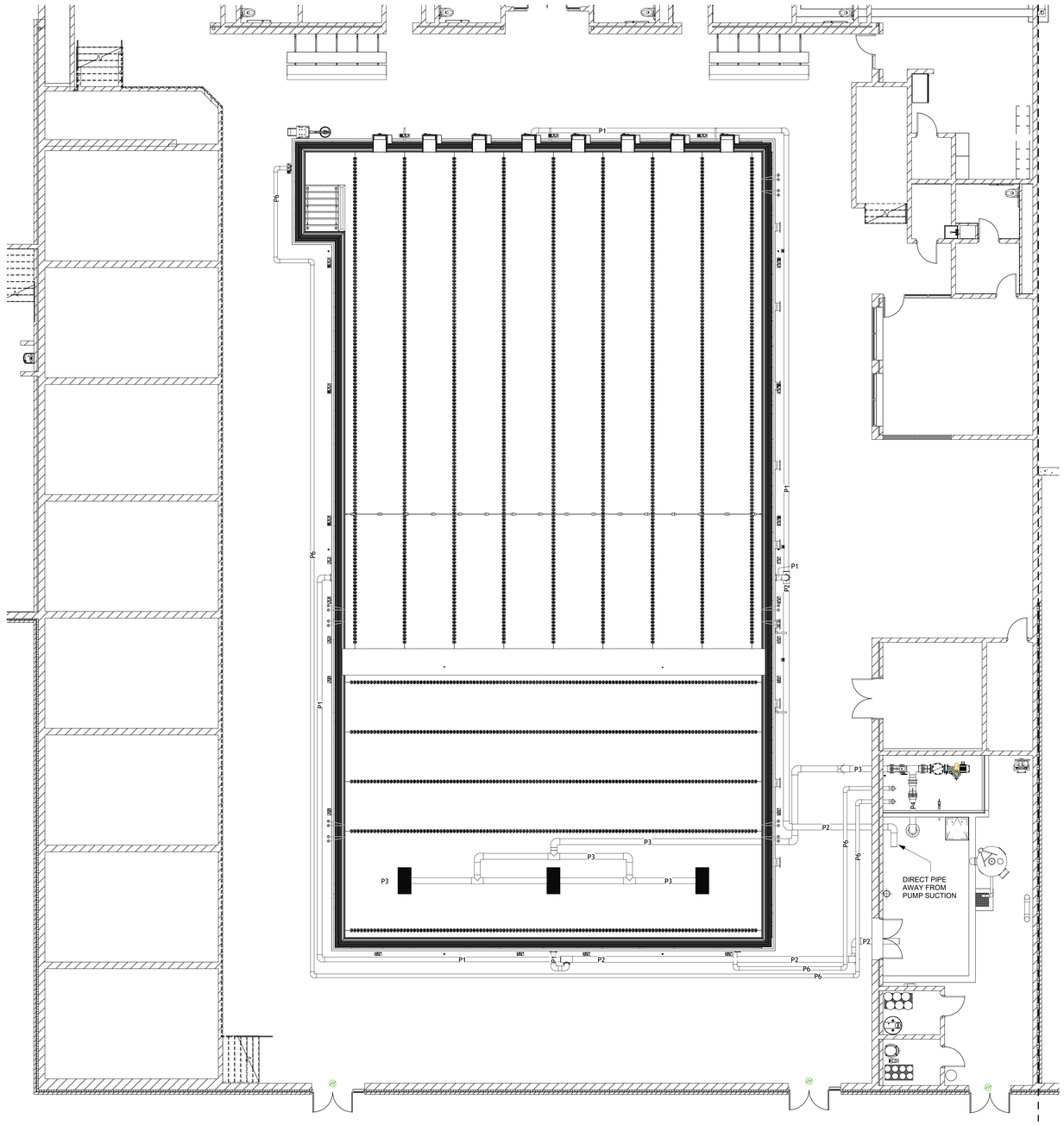
RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **100% CD SET**
DRAWN BY: **Author**
DATE: **JANUARY 16, 2024**
SHEET NAME: GUTTER PLAN

SHEET: **SP2.1**
COMM #: 23002

1/16/2024 11:09:21 AM



1 UNDERGROUND PIPING
1/8" = 1'-0"

PIPE SCHEDULE		
ITEM #	DESCRIPTION	PIPE SIZE
P1	GUTTER BRANCH	8"
P2	GUTTER COMBINED	10"
P3	MAIN DRAIN	10"
P4	SURGE TANK SUCTION	10"
P5	FILTER RETURN	8"
P6	FILTER RETURN BRANCH	6"
P7	PRECOAT	4"
P8	HEATER CONNECTION	3"
P9	WATER LEVEL SENSOR	2"
P10	FILTER DRAIN	4"

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 100% CD SET
DRAWN BY: Author
DATE: JANUARY 16, 2024
SHEET NAME: UNDERGROUND PIPING

SHEET: SP3.0
COMM #: 23002

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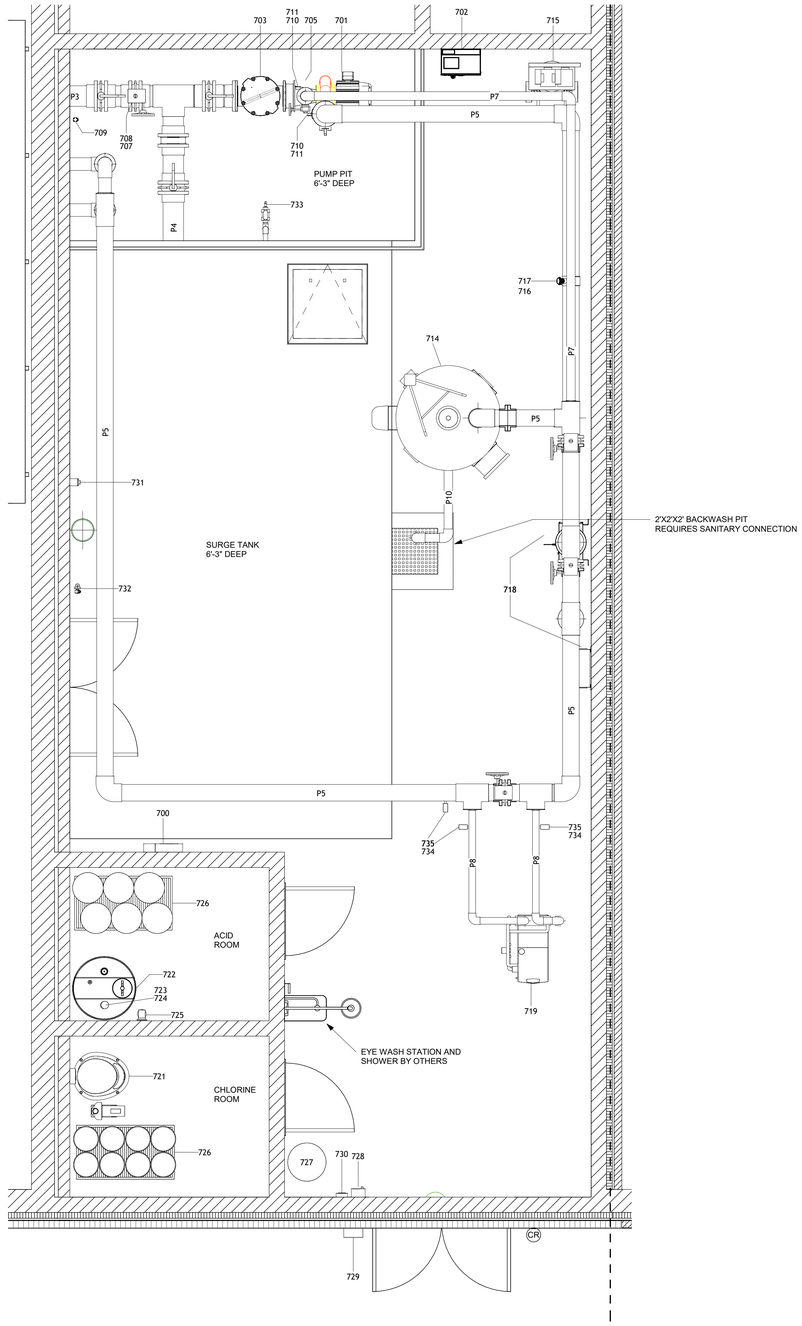


1 MECHANICAL ROOM
3/8" = 1'-0"

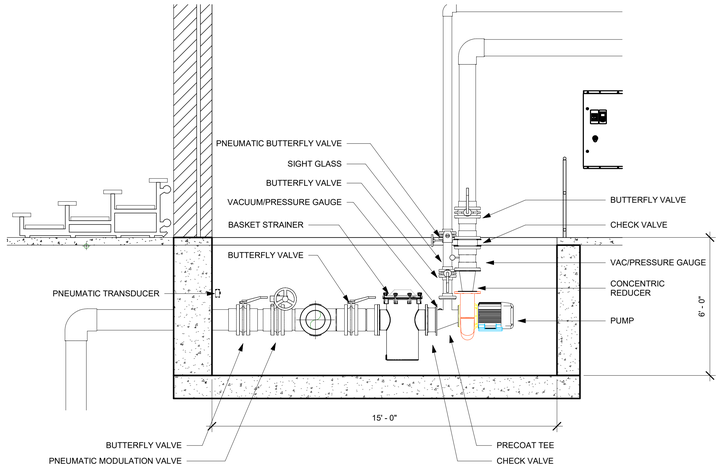
MECHANICAL EQUIPMENT SCHEDULE				
Type Mark	Description	Manufacturer	Model	Count
700	Chemical Controller	Becs	BECSys7-OS1GP1XOLLIN-7C	1
701	Filter Pump: 1,251gpm@80TDH, 6"Suc/5"Dis, Impeller Dia @10.06, 40hp, 1800RPM, 230V-460V/3ph, TEFC, Epoxy Lining, Premium Efficiency Motor	Aurora	3801-SF, 5x6x11	1
702	Pump VFD - 40HP/460V/3PH	ABB	ACH580-BDR	1
703	10" Straight Basket Strainer - Stainless	Neptune Benson	150NBSTL10-M	1
704	10" &12" Extra Basket	Neptune Benson	NBBSK10T316	1
705	10x6x4 Precoat Tee	Neptune Benson	15814	1
706	8X5 SS Concentric Reducer	Neptune Benson	15008X5CNSPC	1
707	Bare Stem Valve	Asahi	3793101	1
708	Pneumatic Actuator	VNE	BI-100SR	1
709	Pneumatic Transducer	Bellofram	961-111-000	1
710	Vacuum/Pressure Gauge, 0-30" and 0-60 PSI	American Granby	ILCG36025-4LNL	2
711	Snubber	American Granby	310PSNB	2
712	Vacuum Transducer with 100 ft cable	Becs	8660069	1
713	Pressure Transducer with 100 ft cable	Becs	8660067	2
714	Defender Regenerative Media Filter	Neptune Benson	SP-49-48-1548	1
715	Air Compressor	Ingersoll Rand	P1.5IU-A9	1
716	5"-8" Magmeter Flow Sensor	Signet	3-2551-P1-11	1
717	8" Saddle	Signet	PV8S080	1
718	Wafer 230-10-N UV Chamber	ETS	ECF-230-10-N	1
719	Pool Heater - Aquas Heat Exchanger 1,250MBtu/hr	Lochinvar	AP01250N	1
721	Precision Chlorine Feed System	Pulsar	73250	1
722	120gal Dual Containment Tank	Gemini	01-1072	1
723	Mixer	LMI	LDB-0050-PRP/EK-34	1
724	Timer With Metal Single Gang Plate	Intermatic	6023-120V	1
725	Acid Pump	Stenner	85MJL5A3STAA	1
726	2'x4' Spill Containment Pallet	Eagle	1632	2
727	CO2 Tank	by CO2 Supplier		1
728	CO2 Feeder System	Becs	2100298-E1	1
729	Surface Mount Fill Box	Chart Industries	21093946	1
730	CO2 Safety Monitor	CHART INDUSTRIES	RAD-0102-6	1
731	Enzyme Pump	Stenner	E10T2C81S8	1
732	3/4" Slow Closing Solenoid Valve	ASCO	SC8221G005 120/60	1
733	SLS Water Level Sensor	BECS	BECsysSLS-2NA	1
734	Seperable Brass Well	Weiss	E35-75BS	3
735	Digital Thermometer	Weiss	310DVU35	3

NOTES:

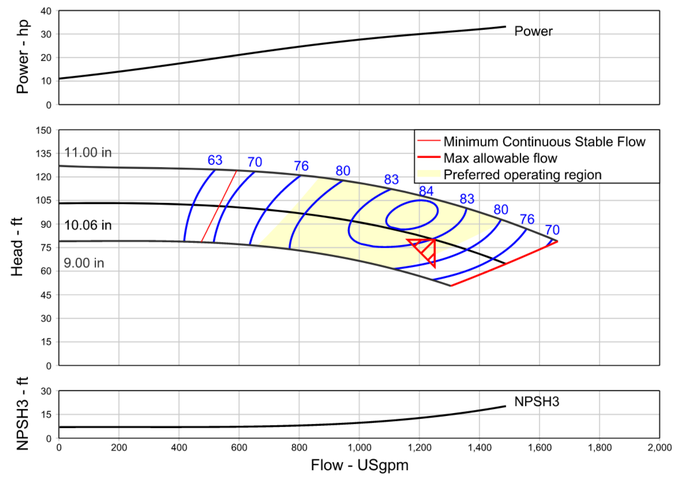
1. SWIMMING POOL CONTRACTOR IS RESPONSIBLE TO VERIFY SCHEDULE AND QUANTITIES REQUIRED.
2. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE THICKNESS AND REBAR FOR POOL, SURGE TANK, PUMP PIT, AND BACKWASH PIT.
3. BONDING SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
4. CO2 TANK SUPPLIED AND INSTALLED BY FACILITY VENDOR. VENDOR TO DECIDE FINAL SIZE OF CO2 TANK.
5. RAIL PROTECTION AROUND TOP OF PUMP PIT BY ARCHITECT
6. LADDER OR STAIR ACCESS INTO THE PUMP PIT BY ARCHITECT

POOL DATA		
DESCRIPTION	DATA	UNITS
PERIMETER	376	FT
SURFACE AREA	7,554	FT^2
VOLUME	60,166	FT^3
VOLUME	450,073	GAL
TURN OVER TIME	6	HRS
FLOW RATE	1,251	GPM
FILTER AREA	1,211	FT^2
FILTERATION RATE	1.03	GPM/FT^2

PIPE SCHEDULE		
ITEM #	DESCRIPTION	PIPE SIZE
P1	GUTTER BRANCH	8"
P2	GUTTER COMBINED	10"
P3	MAIN DRAIN	10"
P4	SURGE TANK SUCTION	10"
P5	FILTER RETURN	8"
P6	FILTER RETURN BRANCH	6"
P7	PRECOAT	4"
P8	HEATER CONNECTION	3"
P9	WATER LEVEL SENSOR	2"
P10	FILTER DRAIN	4"



2 PUMP ASSEMBLY
3/8" = 1'-0"



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RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	100% CD SET
DRAWN BY:	RMD
DATE:	JANUARY 16, 2024
SHEET NAME:	MECHANICAL ROOM
SHEET:	SP4.0
COMM #:	23002

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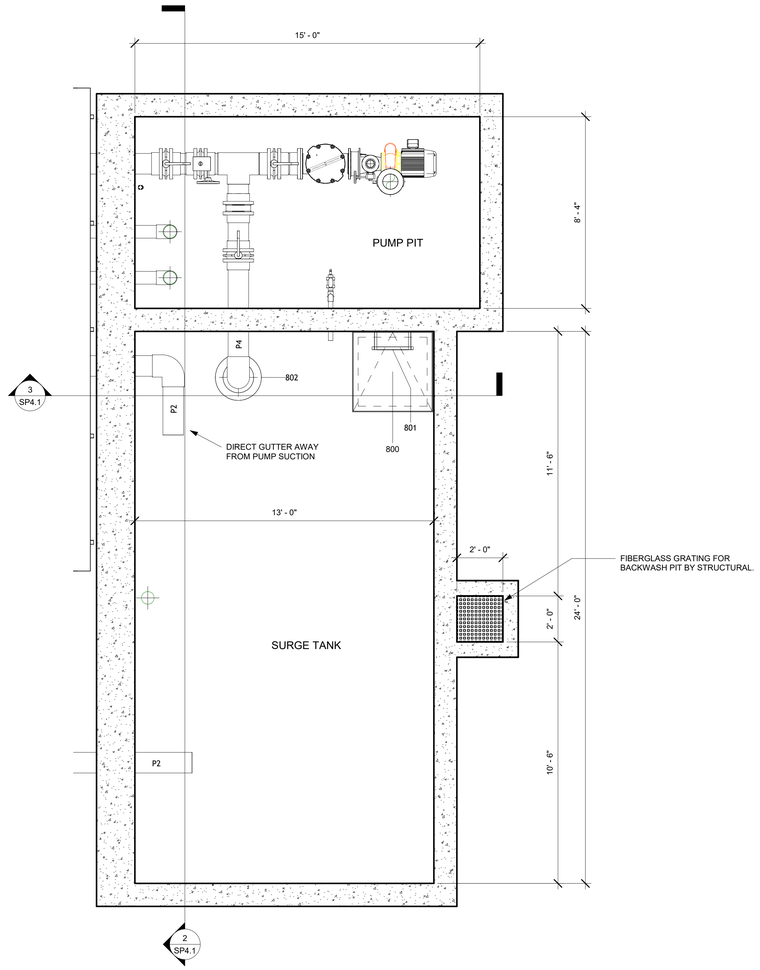
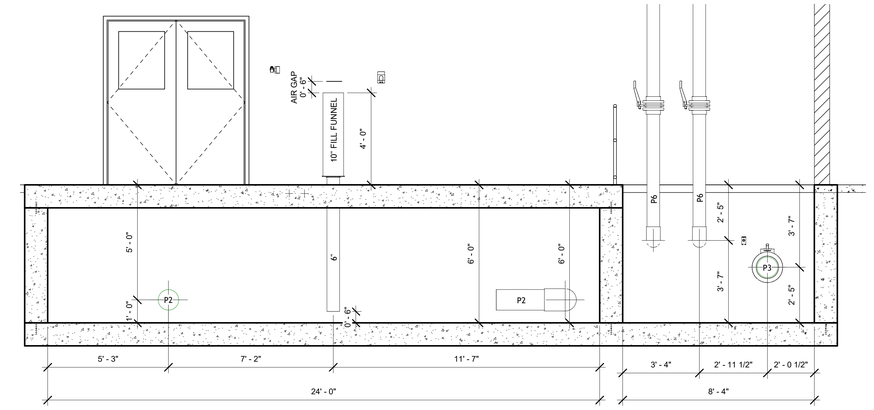
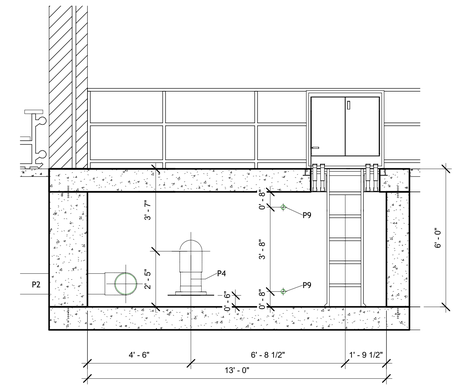


1 SURGE TANK AND PUMP PIT PLAN
3/8" = 1'-0"



2 SURGE TANK LENGTH SECTION
3/8" = 1'-0"



3 SURGE TANK WIDTH SECTION
3/8" = 1'-0"

SURGE TANK SCHEDULE				
Type Mark	Description	Manufacturer	Model	Count
800	Floor Access Door	USF	R-TPS36X36	1
801	Polypropylene Vault Ladder	Lane International	6FT Polypropylene Vault Ladder	1
802	Anti-Vortex Plate	Neptune Benson	AVPLATE10PVCKIT	1

PIPE SCHEDULE		
ITEM #	DESCRIPTION	PIPE SIZE
P1	GUTTER BRANCH	8"
P2	GUTTER COMBINED	10"
P3	MAIN DRAIN	10"
P4	SURGE TANK SUCTION	10"
P5	FILTER RETURN	8"
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P9	WATER LEVEL SENSOR	2"
P10	FILTER DRAIN	4"

NOTES:

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6. LADDER OR STAIR ACCESS INTO THE PUMP PIT BY ARCHITECT

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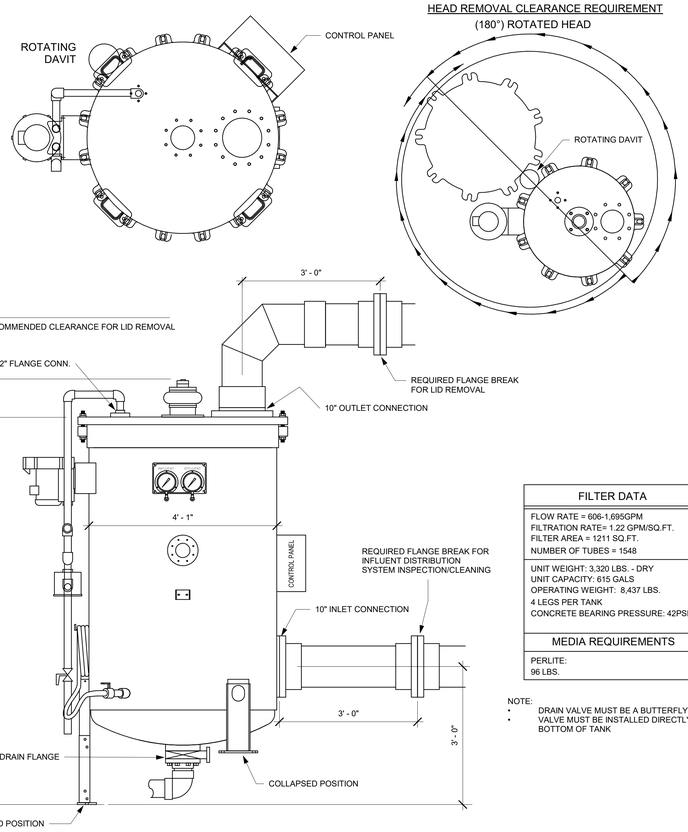
RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 100% CD SET
DRAWN BY: RMD
DATE: JANUARY 16, 2024
SHEET NAME: SURGE TANK

SHEET: **SP4.1**
COMM #: 23002

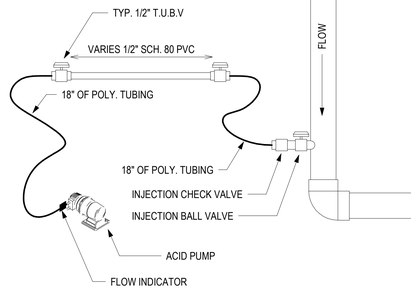
1/16/2024 11:50:34 AM



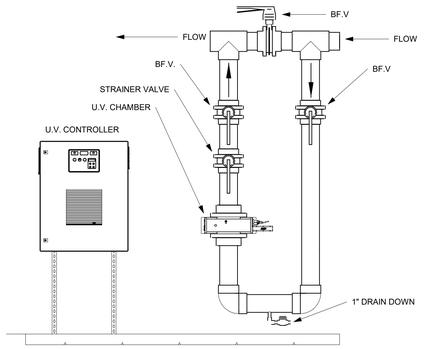
1 SP49-48-1548

FILTER DATA
FLOW RATE = 606-1,695GPM FILTRATION RATE= 1.22 GPM/SQ.FT. FILTER AREA = 1211 SQ.FT. NUMBER OF TUBES = 1548
UNIT WEIGHT: 3,320 LBS. - DRY UNIT CAPACITY: 615 GALS OPERATING WEIGHT: 8,437 LBS. 4 LEGS PER TANK CONCRETE BEARING PRESSURE: 42PSI
MEDIA REQUIREMENTS
PERLITE: 96 LBS.

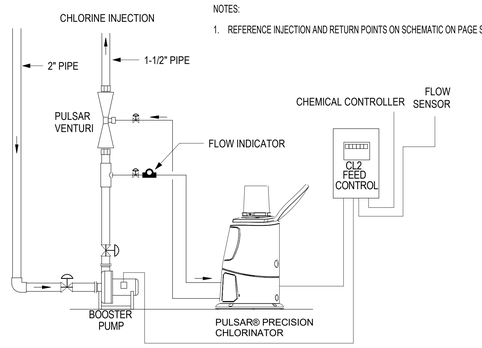
NOTE:
- DRAIN VALVE MUST BE A BUTTERFLY VALVE
- VALVE MUST BE INSTALLED DIRECTLY TO BOTTOM OF TANK



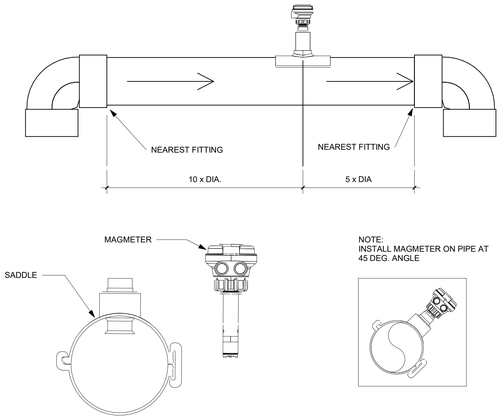
2 Acid Feed



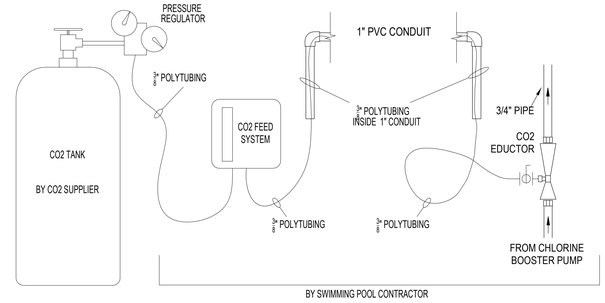
3 TYPICAL UV INSTALL



4 PULSAR PRECISION INSTALL

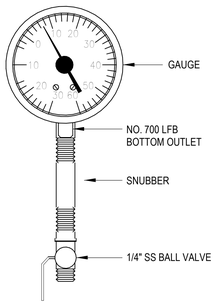


5 MAGMETER



NOTES:
1. REFERENCE INJECTION POINTS ON SCHEMATIC ON PAGE SP6.0

6 CO2 Detail



NOTES:

PRESSURE GUAGES SHALL BE INSTALLED BY MEANS OF DRILLING AND TAPPING PIPE TO BE MONITORED

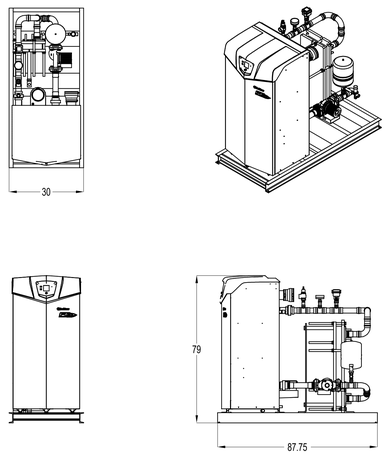
THE GAUGE SHALL THEN BE THREADED INTO THE PIPE, PROVIDE WITH SNUBBER AND GUAGE COCK. GAUGE MAY BE USED WHENEVER CRUCIAL VACUUM OR PRESSURE READING ARE ESSENTIAL.

STAINLESS STEEL CASEDLIQUID FILLED PRESSURE/VACUUM GAUGES

THE GAUGE SHALL HAVE A DIAL RANGE PRESSURE OF 60 PSI AND A VACUUM RANGE OF 30"Hg

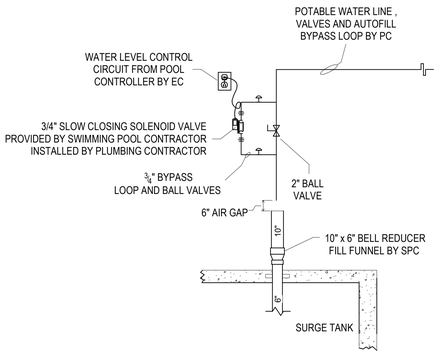
THE MINOR GRADATION SHALL HAVE A PRESSURE OF 2 PSI AND A VACUUM OF 2"Hg, 1/4" NPT

7 PRESSURE GAUGE

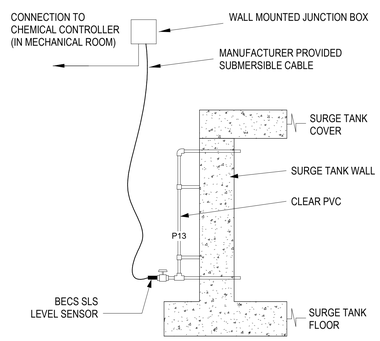


HEATER NOTES:
1. POOL CONNECITONS: 3"
2. VENT SIZE: 8"
3. AIR INLET SIZE: 6"
4. GAS CONNECITON: 1-1/2"
5. SHIPPING WEIGHT 2,809 LBSD
6. INPUT: 1,250,000 BTU/HR

8 Aquas Heater



9 POOL AUTOFILL ASSEMBLY - TOP FILL



WATER LEVEL SENSOR OUTSIDE SURGE TANK

10

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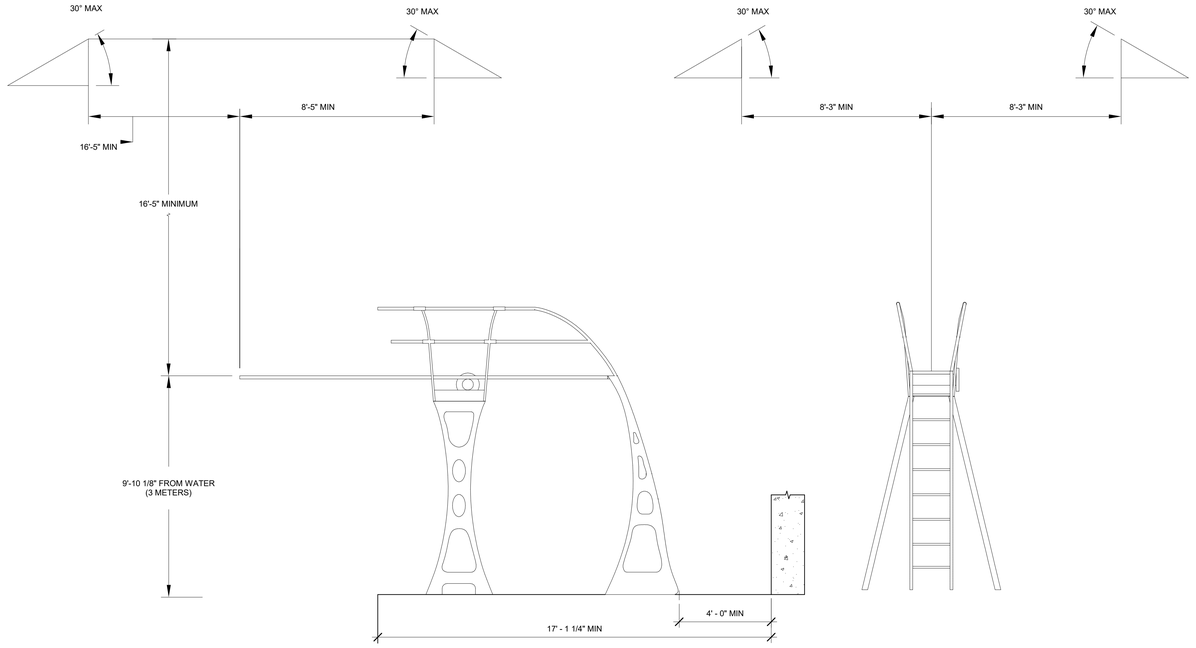
RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

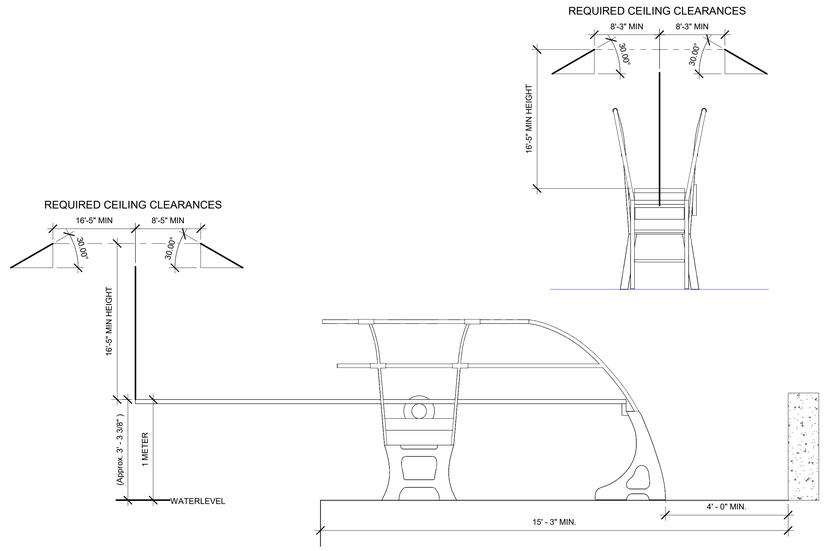
INDICATES REVISION AND DATE	
STATUS:	100% CD SET
DRAWN BY:	RMD
DATE:	JANUARY 16, 2024
SHEET NAME:	DETAILS

SHEET: **SP5.0**
COMM #: 23002

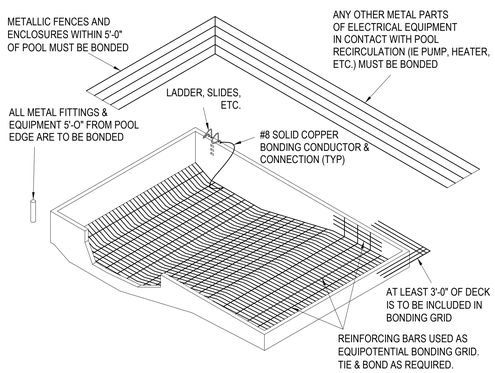
1/16/2024 11:05:33 AM



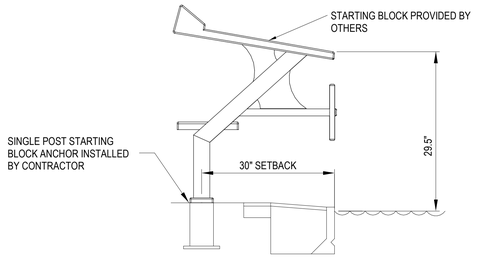
1 3 Meter Diving Board



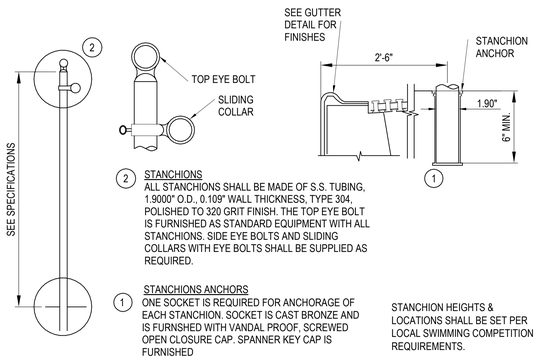
2 1 Meter Diving Board



3 BONDING



4 STARTING BLOCKS



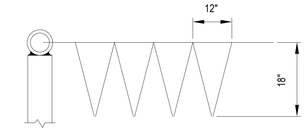
2 STANCHIONS
ALL STANCHIONS SHALL BE MADE OF S.S. TUBING, 1.9000" O.D., 0.109" WALL THICKNESS, TYPE 304, POLISHED TO 320 GRIT FINISH. THE TOP EYE BOLT IS FURNISHED AS STANDARD EQUIPMENT WITH ALL STANCHIONS. SIDE EYE BOLTS AND SLIDING COLLARS WITH EYE BOLTS SHALL BE SUPPLIED AS REQUIRED.

1 STANCHIONS ANCHORS
ONE SOCKET IS REQUIRED FOR ANCHORAGE OF EACH STANCHION. SOCKET IS CAST BRONZE AND IS FURNSHED WITH VANDAL PROOF, SCREWED OPEN CLOSURE CAP. SPANNER KEY CAP IS FURNISHED

STANCHION HEIGHTS & LOCATIONS SHALL BE SET PER LOCAL SWIMMING COMPETITION REQUIREMENTS.

VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION

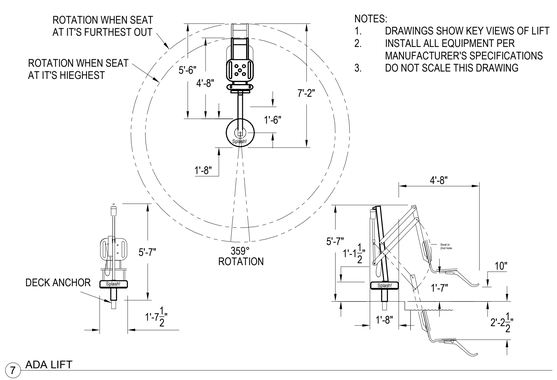
5 Stanchions



BACKSTROKE PENNANT LINE

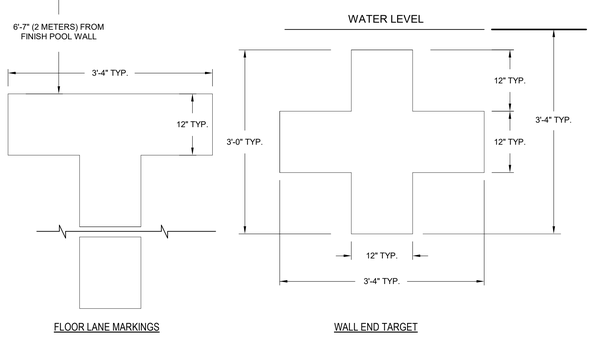
NOTE:
1. MINIMUM LENGTH PROVIDE = POOL WIDTH + 5FT
2. TRIANGULAR PENNANTS OF ALTERNATING COLORS SPACED ACCORDING TO REGULATION. PENNANTS TO BE SYNTHETIC MATERIALS.
3. ALL COLORS SPECIFIED BY OWNER/ARCHITECT.

6 Backstroke Pennant Line



NOTES:
1. DRAWINGS SHOW KEY VIEWS OF LIFT
2. INSTALL ALL EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS
3. DO NOT SCALE THIS DRAWING

7 ADA LIFT

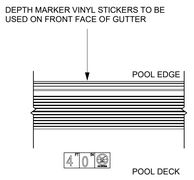


NOTES:
1. LANE LINES AND WALL TARGETS SHALL BE IN A CONTRASTING COLOR TO POOL FINISH FLOOR AND WALL. CONFIRM TILE COLOR WITH OWNER/ARCHITECT.

FLOOR LANE MARKINGS

WALL END TARGET

8 WALL TARGET AND FLOOR LANE



NOTES:
1. DEPTH OF WATER IN FEET AND INCHES SHALL BE PLAINLY AND CONSICUOUSLY MARKED ON THE VERTICAL POOL WALL ABOVE THE WATERLINE AS MUCH AS POSSIBLE AND ON THE TOP OF THE COPING EDGE OF THE DECK OR WALK NEXT TO THE POOL.
2. DEPTH MARKERS ON THE DECK SHALL BE WITHIN 18 INCHES OF THE WATER EDGE, POSITIONED TO BE READ WHILE STANDING ON THE DECK FACING THE WATER, AND OF SLIP RESISTANT MATERIAL.
3. DEPTH MARKERS SHALL BE INSTALLED AT THE MAXIMUM AND MINIMUM WATER DEPTHS AND AT ALL POINTS OF SLOPE CHANGE AND AT INTERMEDIATE INCREMENTS OF WATER DEPTH NOT TO EXCEED 2 FEET INTERVALS.
4. DEPTH MARKERS SHALL BE PLACE IN INTERVALS OF 25 FEET OR LESS.
5. DEPTH NUMBERS SHALL BE NOT LESS THAN 4 INCHES IN HEIGHT, PERMENANTLY COLORED, AND IN CONTRAST TO THE BACKGROUND ON WHICH THEY ARE APPLIED.
6. "NO DIVING" SYMBOLS SHALL BE PLACED ON THE DECK AT INTERVALS OF 25 FEET OR LESS WHERE THE POOL DEPTH IS 5 FEET OR LESS.

9 DEPTH MARKER DETAIL

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RENOVATION AND ADDITIONS TO:
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 100% CD SET
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SHEET NAME: DETAILS

SHEET: SP5.1
COMM #: 23002

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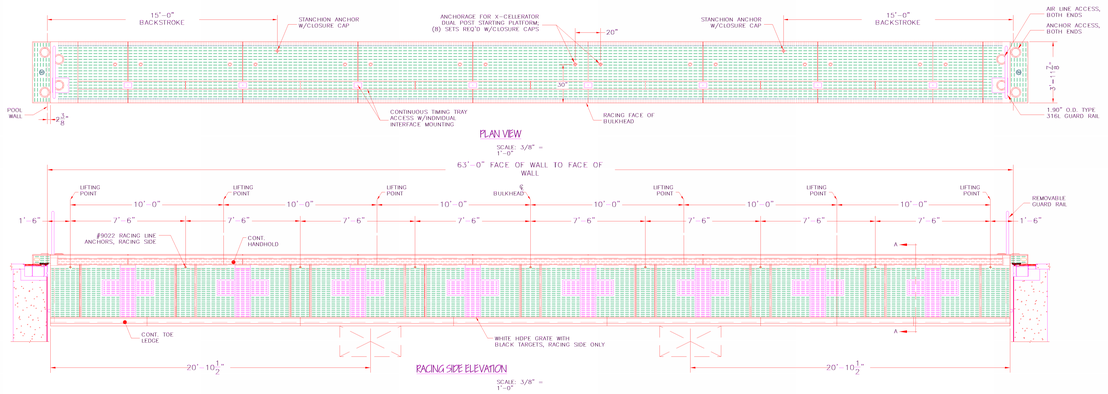
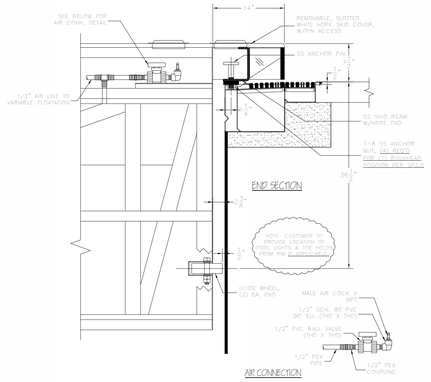
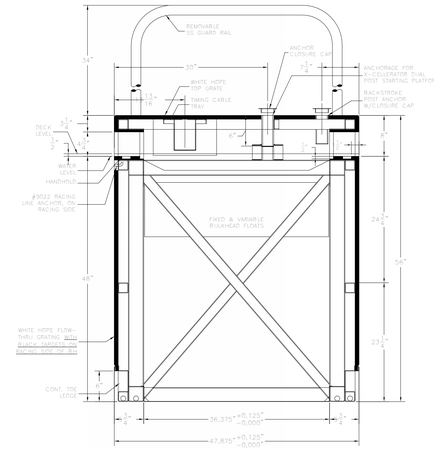


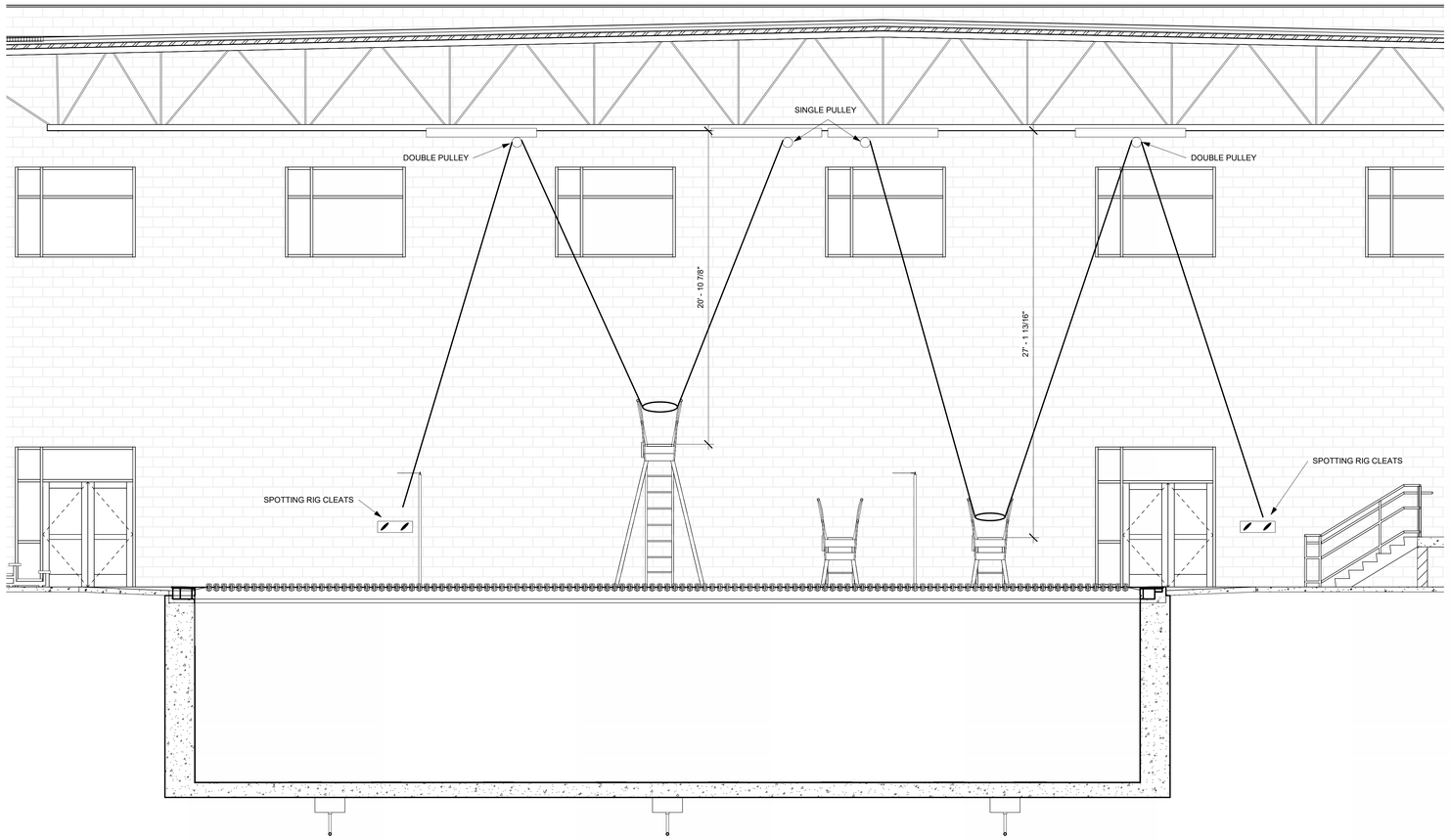
1 BULKHEAD PLAN AND ELEVATION



3 BULKHEAD DECK LOCK



2 BULKHEAD SECTION



4 DIVING PULLEY SYSTEM
1/4" = 1'-0"

1/16/2024 11:50:37 AM

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

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STATUS: 100% CD SET
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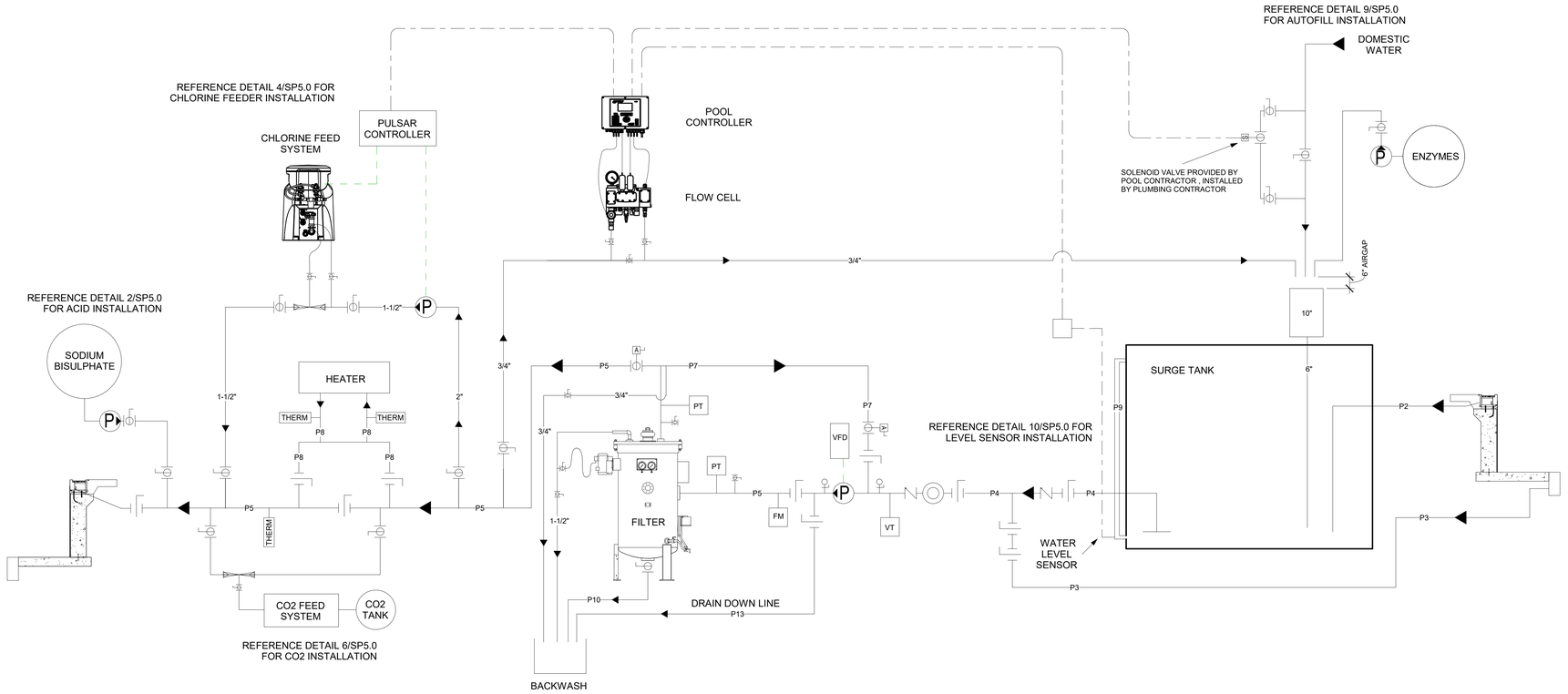
DATE: JANUARY 16, 2024
SHEET NAME: DETAILS

SHEET: SP5.2
COMM #: 23002



1 Schematic

PIPE SCHEDULE		
ITEM #	DESCRIPTION	PIPE SIZE
P1	GUTTER BRANCH	8"
P2	GUTTER COMBINED	10"
P3	MAIN DRAIN	10"
P4	SURGE TANK SUCTION	10"
P5	FILTER RETURN	8"
P6	FILTER RETURN BRANCH	6"
P7	PRECOAT	4"
P8	HEATER CONNECTION	3"
P9	WATER LEVEL SENSOR	2"
P10	FILTER DRAIN	4"

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DANVILLE, INDIANA

INDICATES REVISION AND DATE

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DATE: JANUARY 16, 2024
SHEET NAME: PIPING SCHEMATIC

SHEET: **SP6.0**
COMM #: 23002

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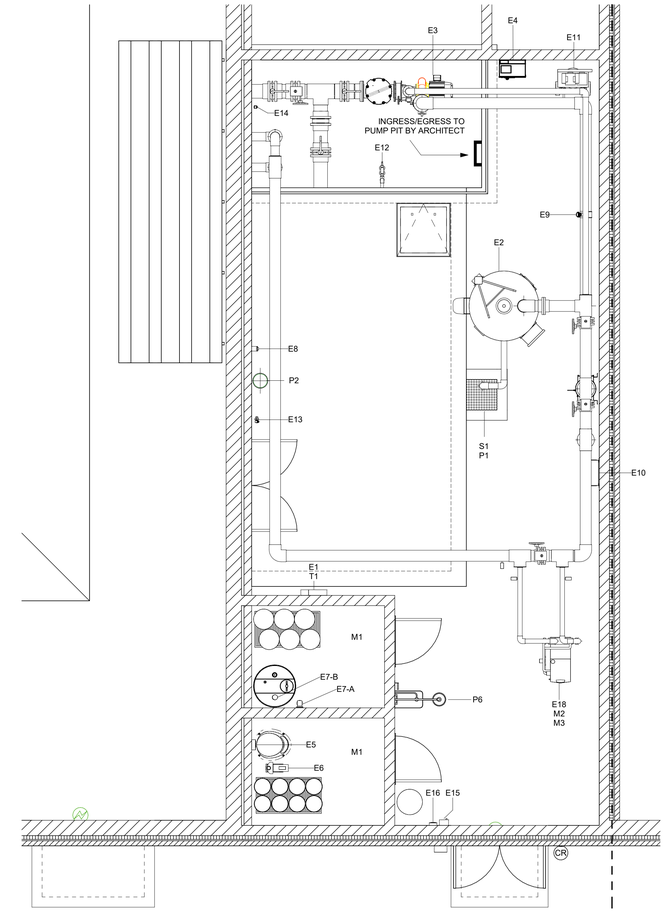
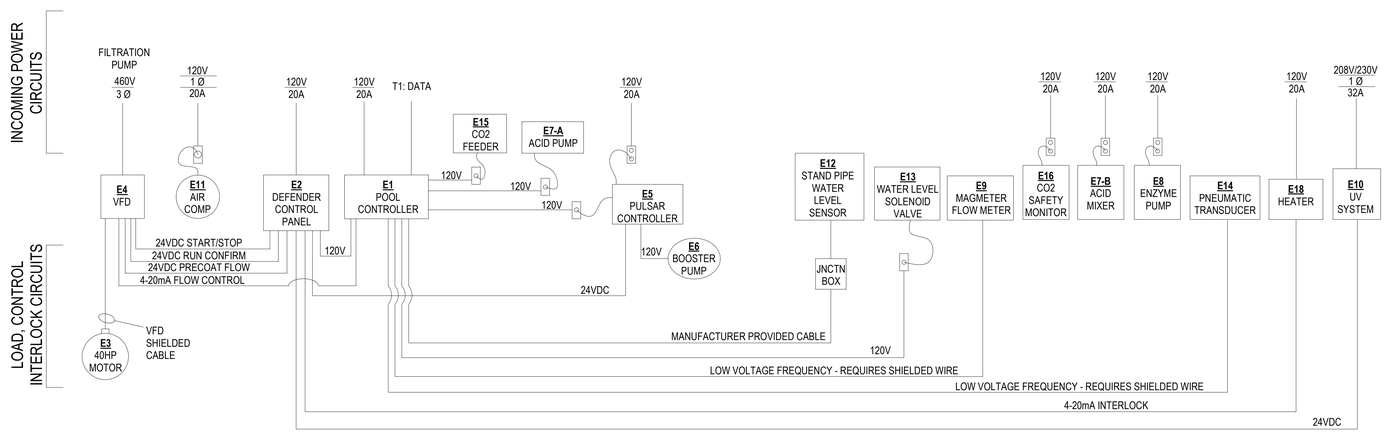


1 MEP PLAN
1/4" = 1'-0"



- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL CONDUIT PER STATE AND LOCAL CODES.
- ELECTRICAL CONTRACTOR TO RUN AND LAND ALL WIRE FOR 120V AND HIGHER.
- ELECTRICAL CONTRACTOR TO RUN LOW VOLTAGE WIRING, SWIMMING POOL CONTRACTOR TO LAND LOW VOLTAGE WIRING.
- DUAL PLUG RECEPTICALES TO BE USED FOR ALL DEDICATED 120V RECEPTICALES
- SINGLE PLUG RECEPTICALES TO BE USED, WHEN SPECIFIED, FOR CONTROL WIRING FROM POOL CONTROLLER.
- ELECTRICAL CONTRACTOR TO PROVIDE BONDING FOR POOL MECHANICAL EQUIPMENT PER STATE AND LOCAL CODES.

WIRING SCHEMATIC

Electrical Requirements

E1: Pool Controller
Provide 120V power to the Pool Controller

E2: Filter Control Panel
Provide a 120V circuit to the control panel. Provide a pair of same color #14 stranded from the Filter Control Panel to the Pool Controller (E1).

E3: Filtration Pump
Provide shielded cable from VFD (E4) to Filtration Pump. Pump is a 40HP, 460/3phase.

E4: VFD-Filter Pump
Provide 460/ 3phase power to the VFD. Provide 4 interlock circuits. The first, second and third circuits are the start/stop circuit, run confirm circuit, and a bump cycle signal circuits which connect to the Filter Control Panel (E2). The fourth circuit is for speed control and connects to the Pool Controller (E1)

E5: Chlorine Dispatch Circuit
Provide 2 receptacles for the Pulsar unit. The first is a duplex receptacle for a 120V power circuit. The second is a single receptacle for 120V signal circuit from the Pool Controller (E1).

E6: Chlorine Booster Pump
Booster pump requires 115V/12.6A and receives power from Pulsar Control Box (E5)

E7-A: Acid Pump
Provide a single receptacle for 120V control circuit to the Pool Controller (E1).

E7-B: Acid Mixer
Provide receptacle with 120V power.

E8: Enzyme pump
Provide a receptacle with 120V power for Enzyme Pump

E9: Filtration Magmeter Flow Sensor
Provide a shielded cable for Digital Frequency signal circuit from the Magmeter to the Pool Controller (E1).

E10: UV System
Provide 208-230V/1Ph power to UV Panel. Requires 32A Breaker. UV system to interlock with Filter Control Panel (E2).

E11: 2HP Air Compressor
Provide receptacle with 120V power.

E12: Water Level Sensor - For Controller
Provide a 4-20mA signal circuit from water level sensor in Surge Tank back to Pool Controller (E1).

E13: Water Level Control Solenoid Valve
Provide a 120V control circuit from the Pool Controller (E1) to receptacle for the solenoid Valve.

E14: Modulating Valve - Pneumatic Transducer
Provide 4-20mA signal circuit from Pool Controller (E1) to the Pneumatic Transducer for the modulating valve.

E15: CO2 System
Provide a single receptacle for 120V control circuit to the Pool Controller (E1).

E16: CO2 Safety Monitor
Provide 120V receptacle for CO2 Safety Monitor.

E17: Timing System
Reference SP6.2 for Timing system conduit and wiring requirements.

E18: Pool Heater
Provide a receptacle with 120V power. Heater contains its own pump 8.6FLA

Structural Requirements

S1: Backwash Pit
Provide 2'x2'x2' pit in floor next to filter for filter drain. Provide PVC grating over the pit, install flush with finish floor. Pit to have drain connection by plumber.

Plumbing Requirements

P1: Backwash Drain
Provide drain to backwash pit capable of flowing 200gpm for 10 minutes.

P2: Incoming Fill Water
Provide 2" domestic water to Water Level Control Solenoid Valve (E13). Reference Autofill Assembly detail on SP5.0 for autofill and manual fill valves. Pool Contractor to provide Solenoid valve, plumber to install. Valves to be accessible from standing height from floor.

P3: Evacuator Drains
Plumber to provide Sanitary connection at bottom of all evacuator duct convertor.

P4: Deck Drains
Plumber to provide Sanitary connection to Integerated deck drain system on back of gutter.

P5: Hose bib
Please provide domestic water and hose bib connection in acid room. Aslo provide a second hose bib in the main mechanical room for maintenance convenience.

P6: Eyewash Station and Shower
Provide eyewash station for chemical emergencies.

P7: Floor Drains
Provide floor drains in mechanical room to serve pump pit, chemical rooms, and mechanical room floor as needed.

Mechanical Requirements

M1: Air Chemical Rooms
Provide dedicated ventilation systems including exhaust fans, controls, related duct work, louvers, and grills for each of the pool mechanical rooms (Pool Equipment Room, Chlorine Room, and Acid Room). Design the ventilation systems per local building code requirements. The chlorine room and acid room's ventilation system shall run 24/7, exhaust to the outside, and may not be combined. Extend the chemical rooms' exhaust fan intakes to within 6" of the finish floor to remove pool chemical fumes that are heavier than air. The chemical rooms' ventilation system must be constructed of non-corrosive materials (PVC or FRP duct work recommended). Unless otherwise dictated by local, state, or ASHRAE standards, provide a minimum flow rate of 4 CFM per square foor of room. Coordinate with the other project consultants.

M2: Heater Gas
Provide natural gas connection to heater. Heater requires 1,250,000 btu/hr input. Natural gas max connection size is 1-1/2", max pressure at 14"w.c., minimum pressure at 4"w.c.

M3: Heater Air intake and Venting
Provide combustion air from exterior of building - air inlet size is 6". Vent exhaust to exterior of building - Vent connection size is 8". Combustion air and vent material may be PVC, CPVC, PP, or SS.

Technology Requirements

T1: Pool Controller
Supply Cat6 cable for data connection to Pool Controller.

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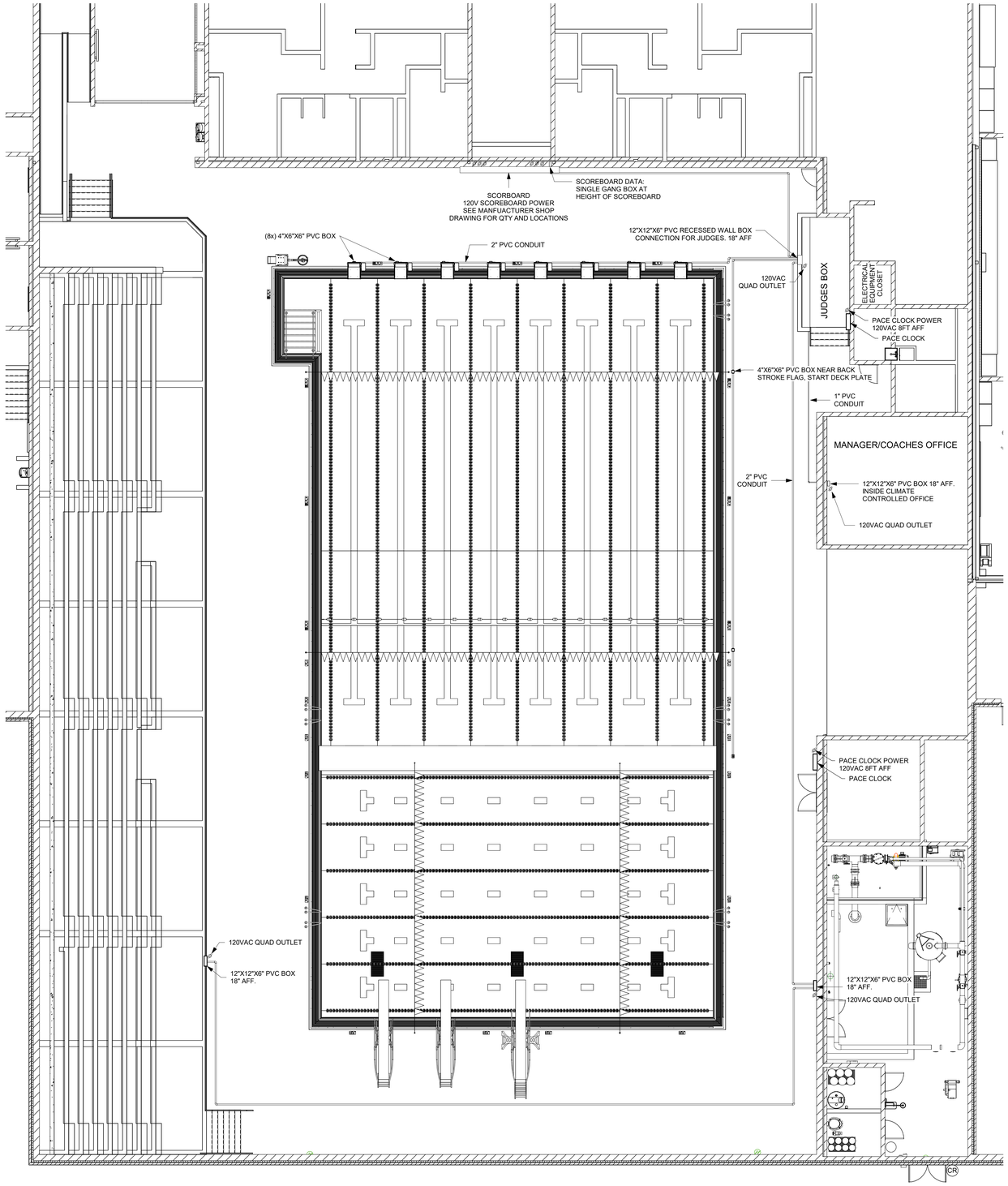
RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	100% CD SET
DRAWN BY:	RMD
DATE:	JANUARY 16, 2024
SHEET NAME:	MEP
SHEET:	SP6.1
COMM #:	23002

1/16/2024 11:20:40 AM



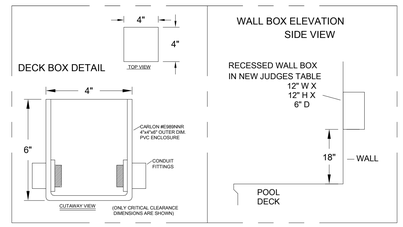
1 TIMING SYSTEM
1/8" = 1'-0"

NOTES:

1. FIELD VERIFY TIMING SYSTEM CONDUIT WILL NOT CONFLICT WITH ALL ANCHORS (STARTING BLOCK ANCHORS, DIVING BOARD ANCHORS, STANCHION ANCHORS, GRAB RAILS ANCHORS) BEFORE INSTALL.
2. POWER CONNECTION FOR SCOREBOARD TO BE HIDDEN BEHIND SCOREBOARD.

NOTE:

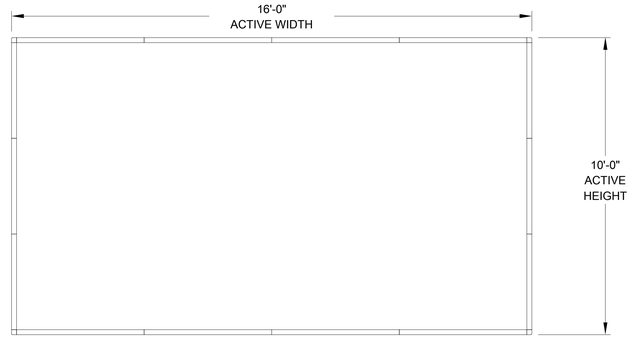
1. VIDEO RACK REQUIRES CONNECTION TO AUDIO SYSTEM. RUN 1" CONDUIT FROM VIDEO RACK TO AUDIO SYSTEM.
2. AUDIO SYSTEM LOCATED AND INSTALLED BY OTHERS



NOTES:

- RECOMMENDED SUPPLIER FOR DECK BOX: CARLON, PART #E989NNR, DIMENSIONS 4"X4"X6", MATERIAL: PVC
- RECOMMENDED SUPPLIER FOR WALL BOX: CARLON, PART #E989R, DIMENSIONS 12"X12"X6", MATERIAL: NORYL
- SEE DAKTRONICS DISPLAY DOCUMENTATION FOR DISPLAY DIMENSIONS.
- ALL CONDUIT RUNS ARE 1 INCH UNLESS NOTED OTHERWISE.

1 Timing System Box Details



FRONT VIEW

2 VIDEO BOARD

MEYER NAJEM

SPEAR CORPORATION

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 100% CD SET
DRAWN BY: Author
DATE: JANUARY 16, 2024
SHEET NAME: SCOREBOARD AND TIMING SYSTEM

SHEET: SP6.2
COMM #: 23002

GENERAL NOTES

1. The Contractor shall be responsible for complying with all safety precautions and regulations during the work. The SER will not advise on, nor issue direction as to safety precautions and programs.
2. The Structural Drawings herein represent the finished structure. The Contractor shall provide all temporary guying and bracing required to erect and hold the structure in proper alignment until all Structural Work and connections have been completed. The investigation, design, safety, adequacy and inspection of the bracing, shoring, temporary supports, etc. is the sole responsibility of the Contractor.
3. The SER shall not be responsible for the methods, techniques and sequences of procedures to perform the Work. The supervision of the Work is the sole responsibility of the Contractor.
4. The Drawings indicate general and typical details of construction. Where conditions are not specifically shown, similar details of construction shall be used, subject to approval of the SER.
5. All structural systems which are to be composed of components to be field erected shall be supervised by the Supplier during manufacturing, delivery, handling, storage, and erection in accordance with the Supplier's instructions and requirements.
6. Loading applied to the structure during the process of construction shall not exceed the safe load-carrying capacity of the structural members. The live loads used in the design of this structure are indicated in the "Design Criteria Notes." Do not apply any construction loads until structural framing is properly connected together and until all permanent bracing is in place.
7. All ASTM and other referenced standards and codes are for the latest editions of these publications, unless noted otherwise.
8. Shop drawings and other items shall be submitted to the SER for review prior to fabrication. All Shop Drawings shall be reviewed by the Contractor before submittal. The SER's review is to be for conformance with the design concept and general compliance with the relevant Contract Documents. The SER's review does not relieve the Contractor of the sole responsibility to review, check, and coordinate the Shop Drawings prior to submission. The Contractor remains solely responsible for errors and omissions assocated with the preparation of Shop Drawings as they pertain to member sizes, details, dimensions, etc.
9. Submit Shop Drawings electronically. In no case shall reproductions of the Contract Documents be used as Shop Drawings. As a minimum, submit the following items for review.
   A. Concrete Mix Design(s).
   B. Reinforcing Steel Shop Drawings.
10. Resubmitted Shop Drawings: Resubmitted shop drawings are reviewed only for responses to comments made in the previous submittal.
11. When calculations are included in the submittals for components of work designed and certified by a Specialty Structural Engineer, the review by the Structural Engineer of Record (SER) shall be for conformance with the relevant Contract Documents. The SER's review does not relieve the Specialty Structural Engineer from responsiblity for the design of the system(s) and the coordination with the elements of the structure under the certification of the Engineer of Record, or other Specialty Structural Engineer. The SER's review does not constitute a warranty of the accuracy or completeness of the Specialty Structural Engineer's design.
12. Contractors shall visit the site prior to bid to ascertain conditions which may adversely affect the work or cost thereof.
13. No structural member may be cut, notched, or otherwise reduced in strength without written direction from the SER.
14. When modifications are proposed to structural elements under the design and certification of a Specialty Engineer, written authorization by the Specialty Engineer must be obtained and submitted to the SER for review, prior to performing the proposed modifications.

COORDINATION WITH OTHER TRADES

1. The Contractor shall coordinate and check all dimensions relating to Architectural finishes, mechanical equipment and openings, elevator shafts and overrides, etc. and notify the Architect/Engineer of any discrepancies before proceeding with any work in the area under question.
2. The Structural Drawings shall be used in conjunction with the Drawings of all other disciplines and the Specifications. The Contractor shall verify the requirements of other trades as to sleeves, chases, hangers, inserts, anchors, holes, and other items to be placed or set in the Structural Work.
3. There shall be no vertical or horizontal sleeves set, or holes cut or drilled in any beam or column unless shown on the Structural Drawings or approved in writing by the SER.
4. Mechanical and electrical openings through supported slabs and walls, 8" diameter or larger not shown on the Structural Drawings must be approved by the SER. Openings less than 8" diameter shall have at least 1'-0" clear between openings, unless approved in writing by the SER.
5. Verify locations and dimensions of mechanical and electrical openings through supported slabs and walls shown on the Structural Drawings with the Mechanical and Electrical Contractors.
6. Do not install conduit in supported slabs, slabs on grade, or concrete walls unless explicitly shown or noted on the Structural Drawings.
7. Do not suspend any items, such as ductwork, mechanical or electrical fixtures, ceilings, etc. from steel roof deck or wood roof sheathing.
8. The Mechanical Contractor shall verify that mechanical units supported by steel framing are capable of spanning the distance between the supporting members indicated on the Structural Drawings. The Mechanical Contractor shall supply additional support framing as required.
9. If the Drawings and Specifications are in conflict, the most stringent restrictions and requirements shall govern.

FOUNDATIONS

1. Proofroll slab on grade areas with a medium-weight roller or other suitable equipment to check for pockets of soft material hidden beneath a thin crust of better soil. Any unsuitable materials thus exposed should be removed and replaced with compacted, engineered fill as outlined in the specifications. Proofrolling operations shall be monitored by the Geotechnical Testing Agency.
2. All engineered fill beneath slabs and over footings should be compacted to a dry density of at least 95% of the Standard Proctor maximum dry density (ASTM D698). All fill which shall be stressed by foundation loads shall be approved granular materials compacted to a dry density of at least 98% (ASTM D698). Coordinate all fill and compaction operations with the Specifications and the Subsurface Investigation.
3. Compaction shall be accomplished by placing fill in approx. 8" lifts and mechanically compacting each lift to at least the specified minimum dry density. For large areas of fill, field density tests shall be performed for each 3,000 square feet of building area for each lift as necessary to insure adequate compaction is being achieved.
4. Column footings and wall footings to bear on firm natural soils or well-compacted engineered fill with allowable bearing pressures of 2000 PSF and 1600 PSF for column and wall footings respectively, as outlined in the Subsurface Investigation Report.
   It is essential that the foundations be inspected to ensure that all loose, soft or otherwise undesirable material (such as organics, existing fill, etc.) is removed and that the foundation will bear on satisfactory material. The Geotechnical Testing Agency shall inspect the subgade and perform any necessary tests to insure that the actual bearing capacities meet or exceed the design capacities. The Testing Agency shall verify the bearing capacity at each spread column footing and every 10 feet on center for strip footings prior to placement of concrete.
5. Place footings the same day the excavation is performed. If this is not possible, the footings shall be adequately protected against any detrimental change in condition, such as from disturbance, rain and freezing.
6. It is the responsibility of the Contractor and each Sub-Contractor to verify the location of all utilities and services shown, or not shown, and establish safe working conditions before commencing work.
7. The Contractor shall lay out the entire building and field verify all dimensions prior to excavation.

POST-INSTALLED DOWELS & ANCHOR BOLTS/RODS

1. All reinforcing steel and threaded rod anchors to be installed in 2-part chemical anchoring system shall be treated as follows:
   A. Drill holes larger than bar or rod to be embedded. Coordinate hole diameter with Manufacturer's requirements.
   B. Holes must be cleaned and prepared in accordance with Manufacturer's requirements.
   C. When reinforcing steel is encountered during drilling for installation of anchors, stop drilling and use a sensor to locate the reinforcing in the surrounding area and install anchor(s) as close as possible to the original location. Contact the Structural Engineer of Record for direction when the revised location is more than 2" from the original location, or when the original function of the anchorage is significantly altered. When in doubt, contact the SER for direction.
   D. Drill the hole a minimum of 15 bar diameters or as shown on the Drawings.
   E. Use a 2-part adhesive anchoring system, Hilti HIT-HY 200, or approved equal.
   F. For anchorage into hollow substrate, use Hilti HIT-HY 270, or approved equal.
   G. Reinforcing steel dowels shall be ASTM A615, Grade 60, unless noted.
   H. Anchor rods shall be ISO 898 5.8 (Hilti HAS-E), unless noted. Provide finish as noted on the Drawings. If not noted, provide hot-dip galvanized finish for interior applications. Provide stainless steel finish for exterior applications, unless noted.

CAST IN PLACE CONCRETE

1. Details of fabrication of reinforcement, handling and placing of the concrete, construction of forms and placement of reinforcement not otherwise covered by the Plans and Specifications, shall comply with the ACI Code requirements of the latest revised date.
2. Cold weather concreting shall be in accordance with ACI 306. Cold weather is defined as a period when for more than 3 successive days the average daily air temperature drops below 40F and stays below 50F. The Contractor shall maintain a copy of this publication on site.
3. Hot weather concreting shall be in accordance with ACI 305. Hot weather is defined as any combination of the following conditions that tends to impair the quality of the freshly mixed or hardened concrete: high ambient temperature, high concrete temperature, low relative humidity, wind speed, or solar radiation. The Contractor shall maintain a copy of this publication on site.
4. A certified Testing Agency shall be retained to perform industry standard testing including measurement of slump, air temperature, concrete cylinder testing, etc. to ensure conformance with the Contract Documents. Submit reports to the Architect/Engineer.
5. FINISHING OF SLABS: After screeding, bull floating and floating operations have been completed, apply final finish as indicated below, and as described in the Division 3 Cast In Place Concrete Specification of the Project Manual.

A. Floor Slabs	Hard Trowel Finish, unless noted otherwise
B. Ramps, Stairs & Sidewalks	Broom Finish
C. Surfaces to Recieve Topping Slabs	None - Float Finish
D. Surfaces to recieve thick-set mortar beds or similar cementitious materials	None - Float Finish

   Sample Finishes: See the Specifications for sample and mockup requirements, if any. Coordinate floor finishes with the architectural Finish Plan.
   Floor Tolerances: See the Specifications for specified Ff and Fl tolerances. Ff and Fl testing shall be performed by the Testing Agency in accordance with ASTM E1155. Results, including acceptance or rejection of the work will be provided to the Contractor and the Architect/Engineer within 48 hours after data collection. Remedies for out-of-tolerance work shall be in accordance with the Specifications. When approved by the SER, measurement of the gaps beneath a 10-foot straight edge may be used in lieu of Ff and Fl testing. Approval must be obtained in writing prior to the beginning of concrete operations.
6. FINISHING OF FORMED SURFACES: Finish formed surfaces as indicated below, and as described in the Division 3 Cast In Place Concrete Specification of the Project Manual.

A. Sides of Footings & Pile Caps	Rough Form Finish
B. Sides of Grade Beams	Rough Form Finish
C. Surfaces not exposed to public view	Rough Form Finish
D. Surfaces exposed to public view	Smooth Form Finish

7. The Contractor shall consult with the Engineer before starting concrete work to establish a satisfactory placing schedule and to determine the location of construction joints so as to minimize the effects of shrinkage in the floor system.
8. Sawn or tooled control/contraction joints shall be provided in all slabs on grade. For a framed structure, joints shall be located on all column lines. Provide intermediate joints spaced at a maximum of 36 times the nominal slab thickness. Exterior slabs, and interior slabs without columns, shall also have a maximum joint spacing of 36 times the nominal slab thickness. Lay out joints so that maximum aspect ratio (ratio of long side to short side) does not exceed 1.5.
9. Where vinyl composition tile, vinyl sheet goods, thin-set epoxy terrazzo, or other similar material is the specified finish floor material, the Contractor shall coordinate the locations of control/contraction and construction joints with the Finish Flooring Contractor. Submit a dimensioned plan showing joint locations and proposed sequence of floor pours.
10. Unless specifically noted on the Plans, do not provide sawn control joints in composite and non-composite supported slabs on metal deck or in supported cast-in-place concrete slabs.
11. Joints in slabs to receive a finish floor may remain unfilled, unless required by the Finish Flooring Contractor. All exposed slabs shall be filled with sealant specified in Division 7, or as follows: All slabs in industrial, manufacturing, or warehouse applications subject to wheeled traffic shall be filled with specified epoxy resin sealant, all other joints shall be filled with specified elastometric sealant. Defer filling of joints as long as possible, preferably a minimum of 4 to 6 weeks after the slab has been cured. Prior to filling, remove all debris from the slab joints, the fill in accordance with the manufacturer's recommendations.
12. Refer to the Architectural Drawings for locations and details of reveals (1" maximum depth) in exposed walls.
13. Refer to the Architectural Drawings for chamfer requirements for corners of concrete. Where not indicated, provide 3/4" chamfers on exposed corners of concrete, except those abutting masonry.
14. Refer to the Architectural Drawings for exact locations and dimensions of recessed slabs, ramps, stairs, thickened slabs, etc. Slope slabs to drains where shown on the Architectural and Plumbing Drawings.
15. Sidewalks, stoops, aprons, drives, exterior retaining walls, and other site concrete are not indicated on the Structural Drawings. Refer to the Site/Civil and Architectural Drawings for locations, dimensions, elevations, jointing, and finishing details.

CONCRETE MIXES

FOUNDATION WALLS, RETAINING WALLS, PIERS, GRADE BEAMS & TIE BEAMS	
COMPRESSIVE STRENGTH	4000 PSI
MAXIMUM WATER/CEMENT RATIO	0.50
AIR CONTENT	0 - 3 PERCENT
WATER-REDUCING ADMIXTURE	REQUIRED
SLUMP	4" +/- 1"
POOL BASE SLABS	
COMPRESSIVE STRENGTH	4000 PSI
MINIMUM CEMENTITIOUS MATERIAL CONTENT	517 LB/CU YD
AIR CONTENT	0 - 3 PERCENT
WATER-REDUCING ADMIXTURE	REQUIRED
SLUMP	4" +/- 1"
INCREASE COMPRESSIVE STRENGTH TO 4500 PSI FOR EXTERIOR REINFORCED CONCRETE SUBJECT TO THE USE OF DEICERS.	
LEAN CONCRETE FILL	
COMPRESSIVE STRENGTH	2000 PSI
MAXIMUM WATER/CEMENT RATIO	0.65
AIR CONTENT	OPTIONAL
WATER-REDUCING ADMIXTURE	OPTIONAL
SLUMP	4" +/- 1"

1. SLUMP:

MIXES CONTAINING TYPE A WRDA	5" MAXIMUM
MIXES CONTAINING MID-RANGE WRDA	5 - 6½"
MIXES CONTAINING HIGH-RANGE WRDA	5 - 8"

2. SPECIFIED MINIMUM CEMENTITIOUS MATERIAL CONTENTS ARE BASED ON THE USE OF WATER REDUCING ADMIXTURES.
3. INCLUDE AN AIR-ENTRAINING ADMIXTURE FOR ALL CONCRETE EXPOSED TO FREEZING AND THAWING IN SERVICE AND FOR ALL CONCRETE EXPOSED TO COLD WEATHER DURING CONSTRUCTION, BEFORE ATTAINING ITS SPECIFIED DESIGN COMPRESSIVE STRENGTH. REF. ACI 306 FOR DEFINITION OF COLD WEATHER.
4. CLASS C FLY ASH MAY BE USED AS A CEMENT SUBSTITUTE WITH A MAXIMUM 20% SUBSTITUTION RATE ON A POUND-PER-POUND BASIS.
5. PROPORTION CONCRETE MIXES TO PROVIDE WORKABILITY AND CONSISTENCY TO PERMIT CONCRETE TO BE WORKED READILY INTO THE CORNERS AND ANGLES OF THE FORMS AND AROUND REINFORCEMENT BY THE METHODS OF PLACEMENT AND CONSOLIDATION TO BE EMPLOYED, WITHOUT SEGREGATION AND EXCESSIVE BLEEDING.
6. ADJUSTMENTS TO THE APPROVED MIX DESIGNS MAY BE REQUESTED BY THE CONTRACTOR WHEN JOB CONDITIONS, WEATHER, TEST RESULTS, OR OTHER CIRCUMSTANCES WARRANT. THESE REVISED MIX DESIGNS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO USE.

CONCRETE REINFORCING

1. Reinforcement, other than cold drawn wire for spirals and welded wire fabric, shall have deformed surfaces in accordance with ASTM A305.
2. Reinforcing steel shall conform to ASTM A615, Grade 60, unless noted.
3. Welded wire fabric shall conform to ASTM A1064, unless noted.
4. Where hooks are indicated, provide standard hooks per ACI and CRSI for all bars unless other hook dimensions are shown on the plans or details.
5. Reinforcement in footings, walls and beams shall be continuous. Lap bars a minimum of 36 diameters, unless noted otherwise.
6. Reinforcement shall be supported and secured against displacement in accordance with the Concrete Reinforcing Steel Institute's "Manual of Standard Practice."
7. Details of reinforcing steel fabrication and placement shall conform to ACI 315 'Details and Detailing of Concrete Reinforcement' and ACI 315R 'Manual of Engineering and Placing Drawings for Reinforced Concrete Structures', unless otherwise indicated.
8. Spread reinforcing steel around small openings and sleeves in slabs and walls, where possible, and where bar spacing will not exceed 1.5 times the normal spacing. Discontinue bars at all large openings where necessary, and provide an area or reinforcement, equal to the interrupted reinforcement, in full length bars, distributing one-half each side of the opening. Where shrinkage and temperature reinforcement is interrupted, add (2) #5 x *opening dimension +4'-0"* on each side of the opening. Provide #5 x 4'-0" diagonal bars in both faces, at each corner of openings larger than 12" in any direction.
9. Provide standees for the support of top reinforcement for footings, pile caps, and mat foundations.
10. Provide individual high chairs, with support bars, as required for the support of top reinforcement for supported slabs. Do NOT provide standees.
11. Provide snap-on plastic space wheels to maintain required concrete cover for vertical wall reinforcement.
12. Where walls sit on column footings, provide dowels for the wall. Dowels shall be the same size and spacing as the vertical wall reinforcement, unless noted otherwise, with lab splices as shown on the application sections. Install dowels in the footing forms before concrete is placed. Do NOT stick dowels into footings after concrete is placed.
13. Field bending of reinforcing steel is prohibited, unless noted on the drawings.
14. Minimum concrete cover over reinforcing steel shall be as follows, unless noted otherwise on plan, section or note:

MINIMUM COVER FOR REINFORCEMENT

	MINIMUM COVER
SLABS AND JOISTS	
TOP & BOTTOM BARS FOR DRY CONDITIONS:	
#11 BARS & SMALLER	3/4"
#14 & #18 BARS	1 1/2"
FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER, AND OVER OR IN CONTACT WITH SEWAGE AND FOR BOTTOMS BEARING ON WORK MAT, OR SLABS SUPPORTING EARTH COVER:	
#5 BARS & SMALLER	1 1/2"
#6 THROUGH #18 BARS	2"
BEAMS & COLUMNS, FORMED	
FOR DRY CONDITIONS:	
STIRRUPS, SPIRALS & TIES	1 1/2"
PRINCIPAL REINFORCEMENT	2"
EXPOSED TO EARTH, WATER, SEWAGE, OR WEATHER:	
STIRRUPS & TIES	2"
PRINCIPAL REINFORCEMENT	2 1/2"
WALLS	
FOR DRY CONDITIONS:	
#11 BARS & SMALLER	3/4"
#14 & #18 BARS	1 1/2"
FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, SEWAGE, WEATHER, OR IN CONTACT WITH GROUND	2"
FOOTINGS & BASE SLABS	
AT FORMED SURFACES & BOTTOMS BEARING ON CONCRETE WORK MAT	2"
AT UNFORMED SURFACES & BOTTOMS IN CONTACT WITH EARTH	3"
TOP OF FOOTINGS	SAME AS SLABS
OVER TOP OF PILES	2"

ABBREVIATION LEGEND

ABBR	DEFINITION	ABBR	DEFINITION	ABBR	DEFINITION
AB	ANCHOR BOLT	GA	GAGE (GAUGE)	PAF	POWDER-ACTUATED FASTENER
ABV	ABOVE	GALV	GALVANIZED	PARTN	PARTITION
ACI	AMERICAN CONCRETE INSTITUTE	GB	GRADE BEAM	PC	PRECAST CONCRETE
ACIP	AUGERED CAST IN PLACE PILE	GC	GENERAL CONTRACTOR	PCF	POUNDS PER CUBIC FOOT
ADDL	ADDITIONAL	GLULAM	GLUE LAMINATED WOOD	PCI	PRECAST CONCRETE INSTITUTE
ADDM	ADDENDUM	GRAN	GRANULAR	PDF	POWER-DRIVEN FASTENER
ADJ	ADJUSTABLE	GWB	GYPSUM WALL BOARD	PERIM	PERIMETER
AESS	ARCHITECTURALLY EXPOSED STRUCT. STL.			PL	PLATE
AFF	ABOVE FINISHED FLOOR			PLBG	PLUMBING
AGG	AGGREGATE	H	HIGH (HEIGHT)	PLF	POUNDS PER LINEAL FOOT
AISC	AMERICAN INSTITUTE OF STEEL CONSTR'N.	HAS	HEADED ANCHOR STUD	PLYWD	PLYWOOD
AISI	AMERICAN IRON & STEEL INSTITUTE	HC	HOLLOW CORE	PNL	PANEL
ALT	ALTERNATE	HD	HOLD DOWN	PREFAB	PREFABRICATED
ANCH	ANCHORAGE	HK	HOOK	PROJ	PROJECTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HORIZ	HORIZONTAL	PSF	POUNDS PER SQUARE FOOT
APA	AMERICAN PLYWOOD ASSOCIATION	HP	HIGH POINT	PSI	POUNDS PER SQUARE INCH
APPROX	APPROXIMATE			PSL	PARALLEL STRAND LUMBER
ARCH	ARCHITECT(URAL)			PPT	PRESSURE PRESERVATIVE TREATED
ASSY	ASSEMBLY	IBC	INTERNATIONAL (INDIANA) BUILDING CODE	PSC	PRESTRESSED CONCRETE
ASTM	AMERICAN SOCIETY FOR TESTING & MATLS.	ID	INSIDE DIAMETER	PT	POST TENSIONED
AVG	AVERAGE	IF	INSIDE FACE	PTD	PAINTED
AWS	AMERICAN WELDING SOCIETY	INCR	INCREASE	PRTN	PARTITION
		INFO	INFORMATION	PVMT	PAVEMENT
		INDOT	INDIANA DEPARTMENT OF TRANSPORTATION		
B/'X'	BOTTOM OF REFERENCED ITEM	INSUL	INSULATE (INSULATION)		
BB	BOND BEAM	INT	INTERIOR	QTR	QUARTER
BFF	BELOW FINISHED FLOOR	INV	INVERT	QTY	QUANTITY
BLDG	BUILDING	ISO	ISOLATION		
BLKG	BLOCKING	IT	INVERTED TEE BEAM		
BLW	BELOW			R	RADIUS
BM	BEAM			RB	RECTANGULAR BEAM (PRECAST)
BOT	BOTTOM	JBE	JOIST BEARING ELEVATION	REF	REFER TO (REFERENCE)
BP	BASE PLATE	JST	JOIST	REQD	REQUIRED
BRDG	BRIDGING	JT	JOINT	REV	REVISION (REVISED)
BRG	BEARING			RF	ROOF
BS	BOTH SIDES			RO	ROUGH OPENING
BTWN	BETWEEN	KIP	1,000 POUNDS	RTU	ROOF TOP UNIT
		KO	KNOCK OUT	RTN	RETURN
		KSF	KIPS PER SQUARE FOOT	RW	RETAINING WALL
C/C	CENTER TO CENTER	KSI	KIPS PER SQUARE INCH		
CAIS	CAISSON				
CAPY	CAPACITY			SBCA	STRUCTURAL BUILDING COMPONENTS ASSN.
CANT	CANTILEVER	L	LONG (LENGTH)	SCT	STRUCTURAL CLAY TILE
CB	CONCRETE BEAM	Ld	TENSION DEVELOPMENT LENGTH	SCHED	SCHEDULE
CC	CONCRETE COLUMN	LB	'L' BEAM	SDI	STEEL DECK INSTITUTE
CFS	COLD-FORMED STEEL	LBS	POUNDS	SE	SLAB EDGE
CIP	CAST IN PLACE	LGSF	LIGHT GAUGE STEEL FRAMING	SER	STRUCTURAL ENGINEER OF RECORD
CJ	CONTROL JOINT	LL	LIVE LOAD	SECT	SECTION
CNJ	CONSTRUCTION JOINT	LLH	LONG-LEG HORIZONTAL	SHT	SHEET
CL	CENTERLINE	LLO	LONG-LEG OUTSTANDING	SIM	SIMILAR
CLR	CLEAR(ANCE)	LLV	LONG-LEG VERTICAL	SJI	STEEL JOIST INSTITUTE
CMU	CONCRETE MASONRY UNIT	LNTL	LINTEL	SL	SLOPE
COL	COLUMN	LONG	LONGITUDINAL	SOG	SLAB ON GRADE
COLL	COLLATERAL	LP	LOW POINT	SPA	SPACE (S)(D)(ING)
CONC	CONCRETE	LVL	LAMINATED VENEER LUMBER	SPECS	SPECIFICATIONS
CONSTR	CONSTRUCTION	LW	LONG WAY	SQ	SQUARE
CONT	CONTINUOUS	LWC	LIGHTWEIGHT CONCRETE	SS	STAINLESS STEEL
CRSI	CONCRETE REINFORCING STEEL INSTITUTE			SSE	SPECIALTY STRUCTURAL ENGINEER
CTR	CENTER			STD	STANDARD
CTRD	CENTERED	MATL	MATERIAL	STIFF	STIFFENER
CW	CONCRETE WALL	MAX	MAXIMUM	STL	STEEL
		MC	MOMENT CONNECTION	STR	STRENGTH
		MECH	MECHANICAL	STRUCT	STRUCTURAL
D	DEEP (DEPTH)	MEZZ	MEZZANINE	SW	SHORT WAY
DBA	DEFORMED BAR ANCHOR	MFR	MANUFACTURER	SW	SHEAR WALL (OCCASIONAL)
DEG	DEGREE	MIN	MINIMUM	SYMM	SYMMETRICAL
DIA	DIAMETER	MISC	MISCELLANEOUS		
DIAG	DIAGONAL	MO	MASONRY OPENING		
DIM	DIMENSION	MOM	MOMENT	T/'X'	TOP OF REFERENCED ITEM
DL	DEAD LOAD	MTL	METAL	T&B	TOP AND BOTTOM
DN	DOWN			T&G	TONGUE & GROOVE
DP	DRILLED PIER			TB	TIE BEAM
DT	DOUBLE TEE	NDS	NATIONAL DESIGN SPEC'N. FOR WOOD	TD	TRENCH DRAIN
DTL	DETAIL	NIC	NOT IN CONTRACT	TEMP	TEMPERATURE
DWG	DRAWING	NO	NUMBER	TF	TRENCH FOOTING
DWL	DOWEL	NOM	NOMINAL	THK	THICK(NESS)
		NRC	NOISE REDUCTION COEFFICIENT	TOPG	TOPPING
		NS	NEAR SIDE	TPI	TRUSS PLATE INSTITUTE
EA	EACH	NTS	NOT TO SCALE	TRANSV	TRANSVERSE
ECC	ECCENTRIC	NWC	NORMAL WEIGHT CONCRETE	TYP	TYPICAL
EF	EACH FACE				
EIFS	EXTERIOR INSULATION & FINISH SYSTEM				
EJ	EXPANSION JOINT	O/O	OUT TO OUT	UNO	UNLESS NOTED OTHERWISE
EL	ELEVATION	OA	OVERALL	UNEXC	UNEXCAVATED
ELEC	ELECTRICAL	OC	ON CENTER		
ELEV	ELEVATOR	OD	OUTSIDE DIAMETER		
ENG	ENGINEER	OF	OUTSIDE FACE	VERT	VERTICAL
EQ	EQUAL	OH	OPPOSITE HAND		
EQ SPA	EQUALLY SPACED (EQUAL SPACING)	OPNG	OPENING		
EQUIV	EQUIVALENT	OPP	OPPOSITE	W	WIDE (WIDTH)
ES	EACH SIDE	OSB	ORIENTED STRAND BOARD	W/	WITH
EW	EACH WAY			WD	WOOD
EX	EXISTING			WF	WALL FOOTING
EXC	EXCAVATE (EXCAVATION)			WP	WORKING POINT
EXT	EXTERIOR			WPS	WELD PROCEDURE SPECIFICATION
				WRDA	WATER REDUCING ADMIXTURE
				WTCA	WOOD TRUSS COUNCIL OF AMERICA
FABR	FABRICATE (FABRICATOR)			WWF	WELDED WIRE FABRIC
FD	FLOOR DRAIN				
FDN	FOUNDATION				
FIN	FINISH				
FF	FINISHED FLOOR				
FLG	FLANGE				
FS	FAR SIDE				
FT	FOOT (FEET)				
FTG	FOOTING				
FV	FIELD VERIFY				

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RENOVATION AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 100% CD SET
DRAWN BY: JAW
DATE: JANUARY 15, 2024
SHEET NAME: GENERAL STRUCTURAL NOTES

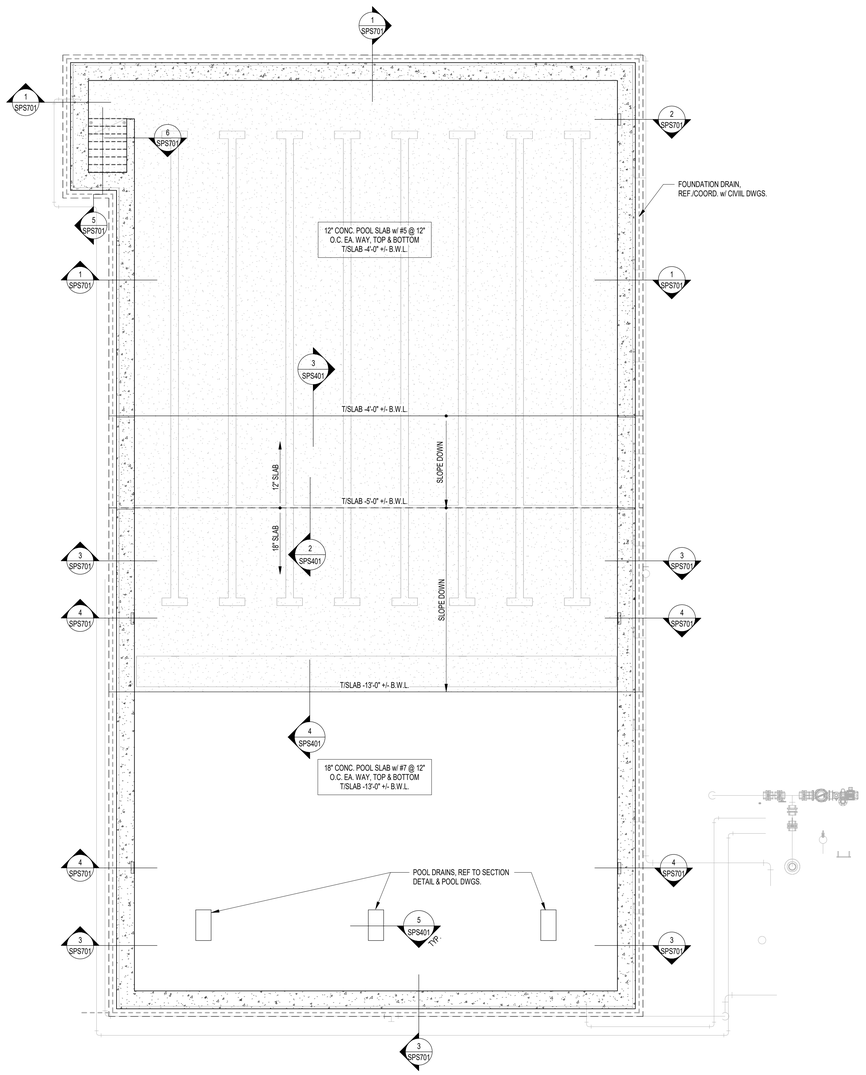
SHEET: SPS001
COMM #: 23002

1/15/2024 8:42:21 AM

POOL FOUNDATION PLAN NOTES

1. REF. S001 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S400 SERIES FOR TYPICAL FOUNDATION DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS INDICATED ON POOL FOUNDATION PLAN ARE REFERENCED FROM WATER LEVEL (W.L.) = +0'-0" U.N.O. REF. POOLARCH. DWGS. FOR WATER LEVEL ELEVATION
5. SEE POOL DRAWINGS FOR POOL LAYOUT AND DIMENSIONS.
6. ALL POOL BASE SLABS TO BE PLACED OVER 12" MIN GRANULAR FILL & NON-WOVEN GEOTEXTILE FABRIC, MIRAFI 140N (4OZ.) OR APPROVED EQUAL
7. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FDN. WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
8. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FDN. WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
9. PLAN LEGEND:

F.F.	DENOTES FIN. FLOOR.
T/"X"	DENOTES TOP OF FTG, SLAB, PIER, ETC.
B/"X"	DENOTES BOTTOM OF FTG, GRADE BEAM, ETC.
12" CONC. POOL SLAB T/SLAB +0'-0"	DENOTES POOL BASE SLAB THICKNESS & T/SLAB ELEVATION. ALL POOL BASE SLABS TO BE PLACED OVER 12" MIN. GRANULAR FILL & NON-WOVEN GEOTEXTILE FABRIC, MIRAFI 140N (4 OZ), OR APPROVED EQUAL. POOL BASE SLAB REINFORCEMENT PER TAG ON PLAN



1 SPS101 POOL FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

NORTH

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INDICATES REVISION AND DATE	
STATUS:	100% CD SET
DRAWN BY:	JAW
DATE:	JANUARY 15, 2024
SHEET NAME:	POOL FOUNDATION PLAN
SHEET:	SPS101
COMM #:	23002

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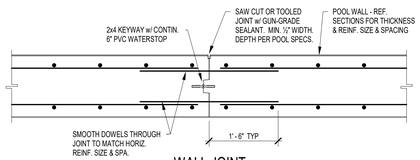
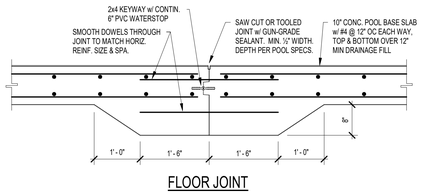
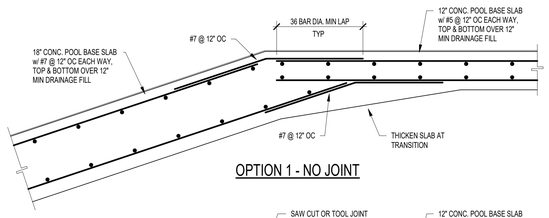


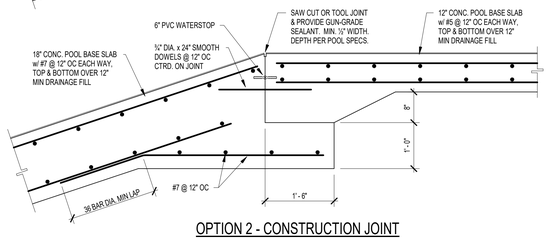
WALL JOINT



FLOOR JOINT



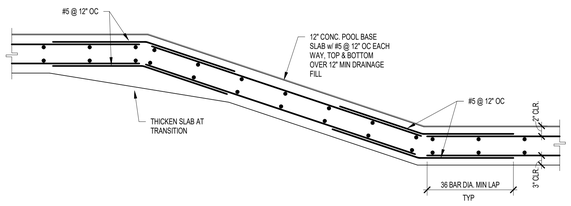
OPTION 1 - NO JOINT



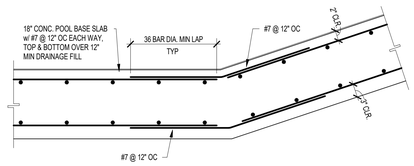
OPTION 2 - CONSTRUCTION JOINT

1 SPS401 TYPICAL POOL CONSTRUCTION JOINT DETAILS
SCALE: NONE

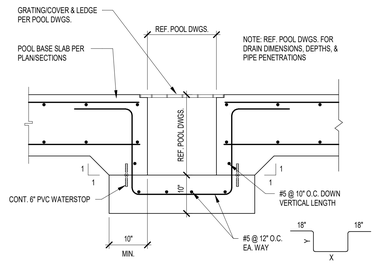
2 SPS401 POOL BASE SLAB TRANSITION DETAIL AT DEEP END
SCALE: NONE



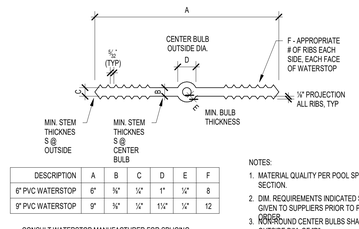
3 SPS401 12" POOL BASE SLAB TRANSITION DETAIL
SCALE: NONE



4 SPS401 18" POOL BASE SLAB TRANSITION DETAIL
SCALE: NONE



5 SPS401 POOL DRAIN DETAIL
SCALE: NONE

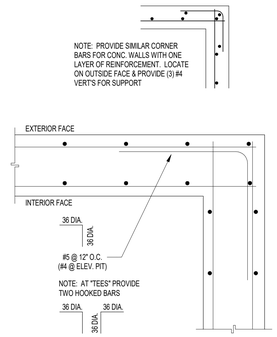


DESCRIPTION	A	B	C	D	E	F
6" PVC WATERSTOP	6"	⅜"	¼"	1"	¼"	8
9" PVC WATERSTOP	9"	⅜"	¼"	1½"	¼"	12

CONSULT WATERSTOP MANUFACTURER FOR SPLICING METHODS

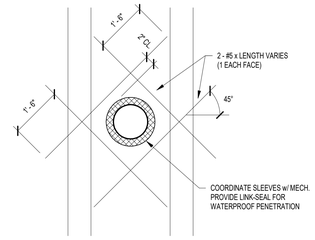
NOTES:
1. MATERIAL QUALITY PER POOL SPECIFICATION SECTION.
2. DIM. REQUIREMENTS INDICATED SHOULD BE GIVEN TO SUPPLIERS PRIOR TO PLACING CONSR.
3. NONFOUND CENTER BULBS SHALL HAVE A MIN. OUTSIDE DIM. OF "D".
4. PROVIDE A MINIMUM OF 1½" CONCRETE COVERAGE OVER WATERSTOP UNDER ALL CIRCUMSTANCES.

6 SPS401 PVC WATERSTOP DETAIL
SCALE: NONE



7 SPS401 CIP WALL CORNER REINF. DETAIL
SCALE: NONE

NOTE: WHERE VERTICAL REINFORCING IS INTERRUPTED BY THE OPENING, HALF OF THE INTERRUPTED STEEL SHALL BE ADDED EACH SIDE OF THE OPENING. USE FULL LENGTH BARS. IF BARS CANNOT BE PLACED AS DETAILED, REPLACE THE 1'-6" EXTENSION WITH 6" AND A STANDARD HOOK.

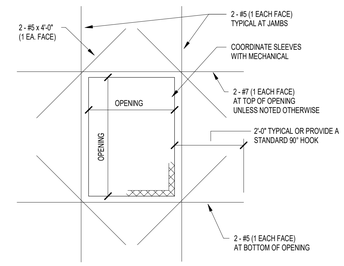


NOTE: COORDINATE FINAL LOCATION OF PIPE PENETRATIONS WITH MECHANICAL CONTRACTOR BEFORE INSTALLATION OF THE REINFORCING.

THIS DETAIL APPLIES TO ALL ROUND AND ELLIPTICAL OPENINGS IN CONCRETE WALLS, UNLESS OTHERWISE NOTED ON THE PLANS.

8 SPS401 CIP WALL - ROUND OPENING DETAIL
SCALE: NONE

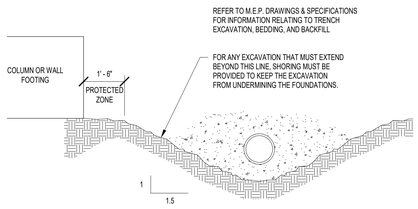
NOTE: WHERE VERTICAL REINFORCING IS INTERRUPTED BY THE OPENING, HALF OF THE INTERRUPTED STEEL SHALL BE ADDED EACH SIDE OF THE OPENING. USE FULL LENGTH BARS. IF BARS CANNOT BE PLACED AS DETAILED, REPLACE THE 1'-6" EXTENSION WITH 6" AND A STANDARD HOOK.



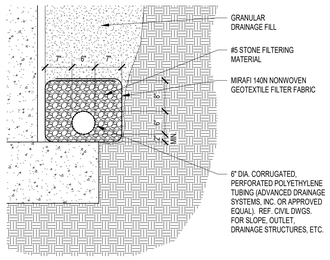
NOTE: COORDINATE FINAL LOCATION OF MECHANICAL PENETRATIONS WITH MECHANICAL CONTRACTOR BEFORE INSTALLATION OF THE REINFORCING.

THIS DETAIL APPLIES TO ALL SQUARE AND RECTANGULAR OPENINGS IN CONCRETE WALLS UNLESS OTHERWISE NOTED ON THE PLANS.

9 SPS401 CIP WALL - RECTANGULAR OPENING DETAIL
SCALE: NONE



10 SPS401 EXCAVATION LIMITS DETAIL
SCALE: NONE



11 SPS401 FOUNDATION DRAIN DETAIL
SCALE: NONE

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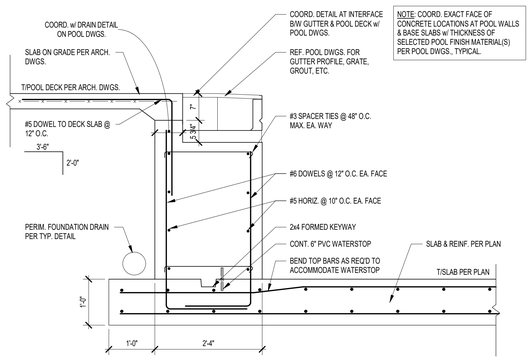
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
STATUS:	100% CD SET
DRAWN BY:	JAW
DATE:	JANUARY 15, 2024
SHEET NAME:	TYPICAL DETAILS

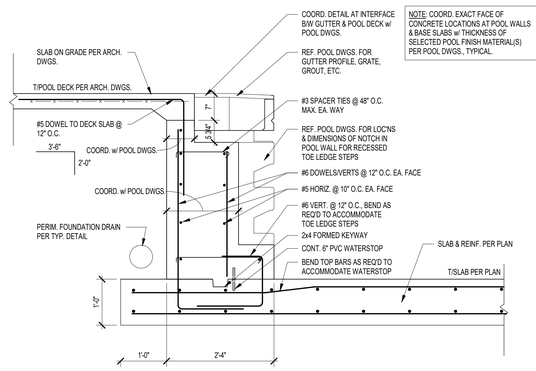
SHEET: **SPS401**
COMM #: 23002

1/15/2024 8:42:23 AM



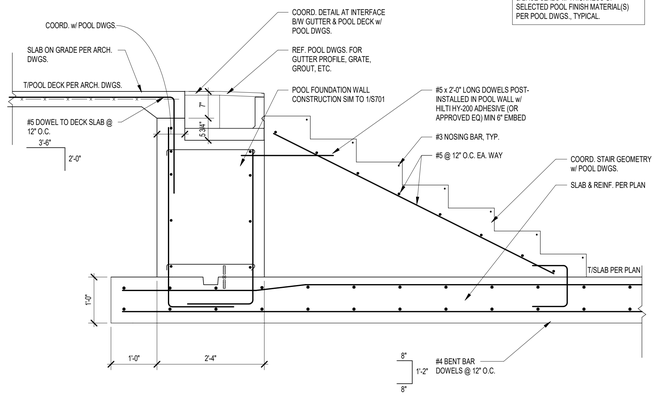
NOTE: COORD. EXACT FACE OF CONCRETE LOCATIONS AT POOL WALLS & BASE SLABS w/ THICKNESS OF SELECTED POOL FINISH MATERIAL(S) PER POOL DWGS., TYPICAL.

1 SPS701 SECTION
SCALE: 3/4" = 1'-0"



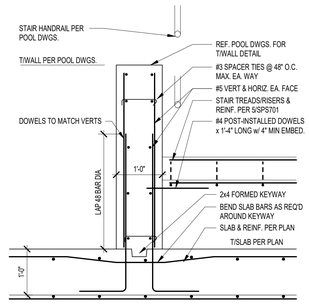
NOTE: COORD. EXACT FACE OF CONCRETE LOCATIONS AT POOL WALLS & BASE SLABS w/ THICKNESS OF SELECTED POOL FINISH MATERIAL(S) PER POOL DWGS., TYPICAL.

2 SPS701 SECTION
SCALE: 3/4" = 1'-0"



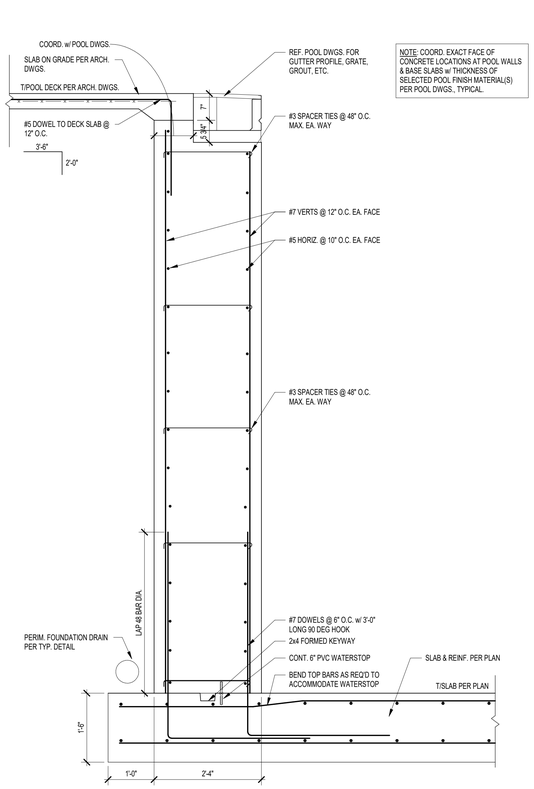
NOTE: COORD. EXACT FACE OF CONCRETE LOCATIONS AT POOL WALLS & BASE SLABS w/ THICKNESS OF SELECTED POOL FINISH MATERIAL(S) PER POOL DWGS., TYPICAL.

5 SPS701 SECTION
SCALE: 3/4" = 1'-0"



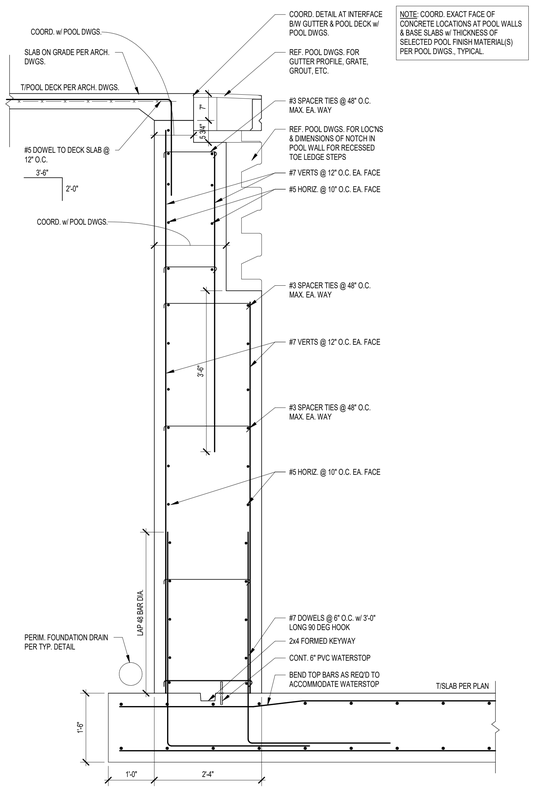
NOTE: COORD. EXACT FACE OF CONCRETE LOCATIONS AT POOL WALLS & BASE SLABS w/ THICKNESS OF SELECTED POOL FINISH MATERIAL(S) PER POOL DWGS., TYPICAL.

6 SPS701 SECTION
SCALE: 3/4" = 1'-0"



NOTE: COORD. EXACT FACE OF CONCRETE LOCATIONS AT POOL WALLS & BASE SLABS w/ THICKNESS OF SELECTED POOL FINISH MATERIAL(S) PER POOL DWGS., TYPICAL.

3 SPS701 SECTION
SCALE: 3/4" = 1'-0"



NOTE: COORD. EXACT FACE OF CONCRETE LOCATIONS AT POOL WALLS & BASE SLABS w/ THICKNESS OF SELECTED POOL FINISH MATERIAL(S) PER POOL DWGS., TYPICAL.

4 SPS701 SECTION
SCALE: 3/4" = 1'-0"

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DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	100% CD SET
DRAWN BY:	JAW
DATE:	JANUARY 15, 2024
SHEET NAME:	SECTIONS AND DETAILS
SHEET:	SPS701
COMM #:	23002

1/12/2024 8:42:24 AM

MASS INTERIOR DEMOLITION THROUGHOUT THIS UNIT.

ALL LIGHTING SYSTEMS, FIRE ALARM DEVICES AND ELECTRICAL POWER DEVICES SHALL BE DEMOLISHED IN THEIR ENTIRETY. POWER FEEDS THAT ARE REQUIRED TO REMAIN FOR PHASING OF WORK SHALL BE FULLY COORDINATED.

ALL SURFACE RACEWAY SHALL BE REMOVED IN ITS ENTIRETY.

DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICE AND ASSOCIATED CONDUCTORS BACK TO POINT OF TERMINATION. PROVIDE ALL NECESSARY REPROGRAMMING ON THE SYSTEM FOR DEVICE REMOVAL. FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE ENTIRETY OF CONSTRUCTION, COORDINATE ALL REQUIREMENTS OF SYSTEM WITH LOCAL AND STATE CODES.

REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING INTERIOR LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING EXTERIOR BUILDING MOUNTED LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

ELECTRICAL DEVICES SHOWN AS EXISTING TO REMAIN SHALL BE REMOVED IN THEIR ENTIRETY WITH CONDUIT AND BACKBOX TO REMAIN TO ABOVE ACCESSIBLE CEILING SUCH THAT NEW CONDUCTORS CAN BE PULLED TO LOCATION WITH NEW DEVICE. REFER TO NEW POWER PLANS FOR CIRCUIT INFORMATION.

REFER TO GENERAL DEMOLITION NOTES ON SHEET E600.

ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

3 DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

4 EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.

5 EXISTING PANEL SHALL RELOCATE TO NEW WALL IN AREA. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS FOR FEEDER INFORMATION OF PANEL. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER. EXTEND ALL REMAINING BRANCH CIRCUITS TO NEW LOCATION OF PANEL AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.

6 DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.

7 DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.

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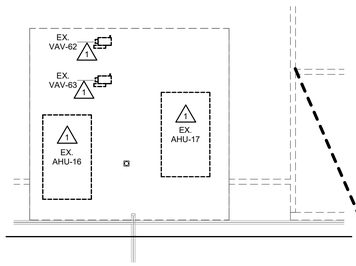
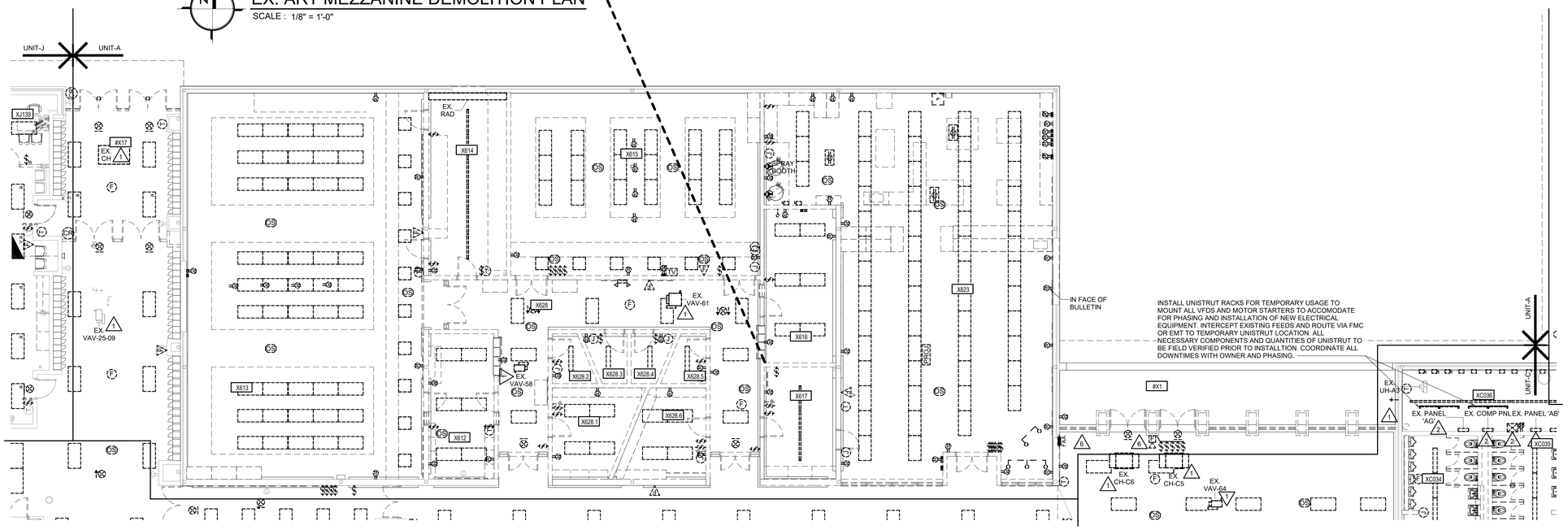
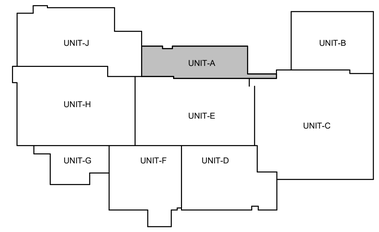


N

EX. ART MEZZANINE DEMOLITION PLAN

SCALE : 1/8" = 1'-0"





KEY PLAN

N

UNIT-A ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE0910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: **PURSIFULL**

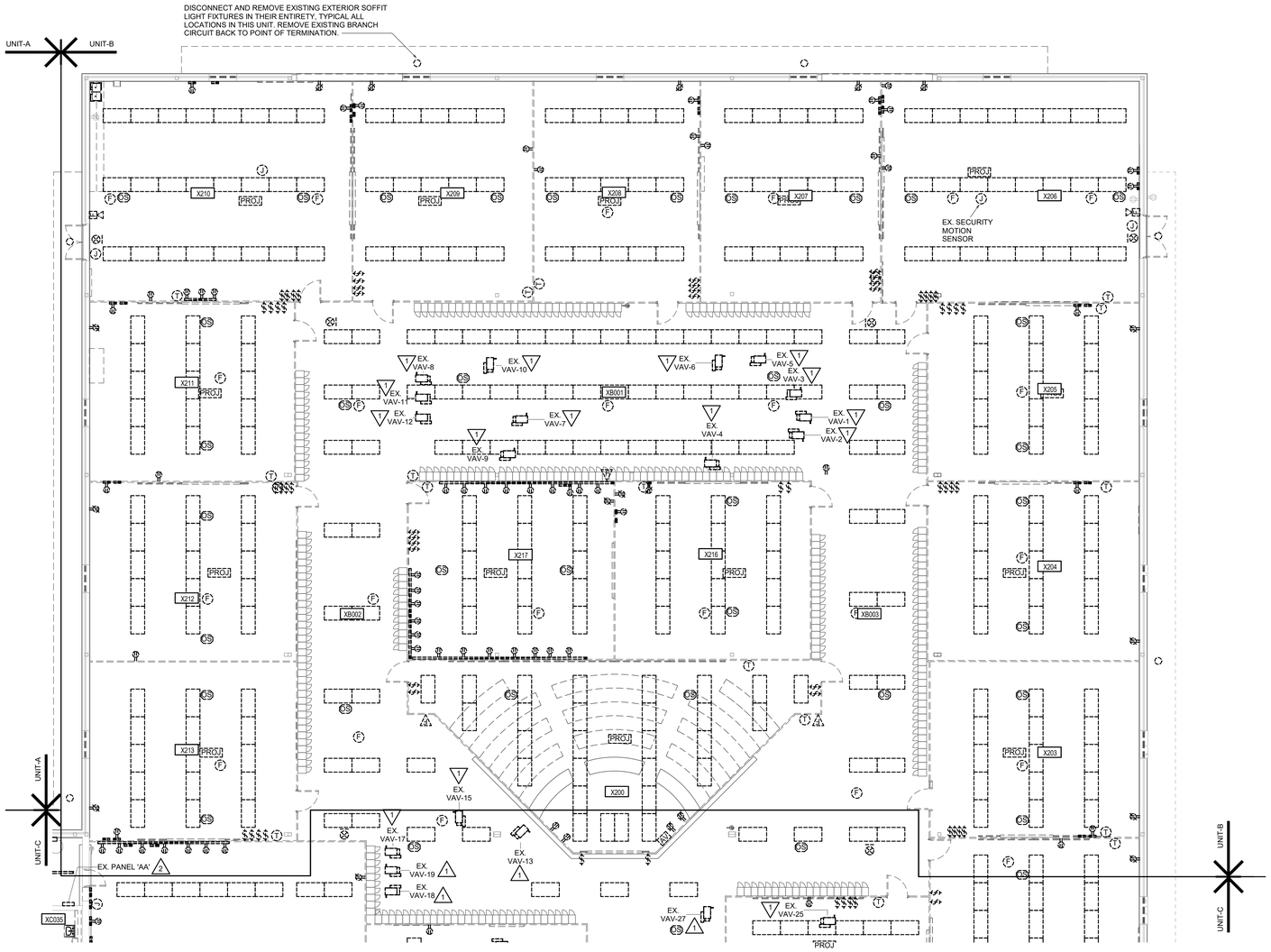
DATE: **JANUARY 16, 2024**

SHEET NAME:
UNIT-A ELECTRICAL DEMOLITION PLAN

SHEET: **E001**

COMM #: 2265

1/16/2024 1:53:00 PM



ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1. REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.
2. DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.
3. DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.
4. EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.
5. EXISTING PANEL SHALL RELOCATE TO NEW WALL IN AREA. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS FOR FEEDER INFORMATION OF PANEL. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER. EXTEND ALL REMAINING BRANCH CIRCUITS TO NEW LOCATION OF PANEL AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
6. DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.
7. DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.
8. Text
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MASS INTERIOR DEMOLITION THROUGHOUT THIS UNIT.

ALL LIGHTING SYSTEMS, FIRE ALARM DEVICES AND ELECTRICAL POWER DEVICES SHALL BE DEMOLISHED IN THEIR ENTIRETY. POWER FEEDS THAT ARE REQUIRED TO REMAIN FOR PHASING OF WORK SHALL BE FULLY COORDINATED.

ALL SURFACE RACEWAY SHALL BE REMOVED IN ITS ENTIRETY.

DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICE AND ASSOCIATED CONDUCTORS BACK TO POINT OF TERMINATION. PROVIDE ALL NECESSARY REPROGRAMMING ON THE SYSTEM FOR DEVICE REMOVAL. FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE ENTIRETY OF CONSTRUCTION. COORDINATE ALL REQUIREMENTS OF SYSTEM WITH LOCAL AND STATE CODES.

REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

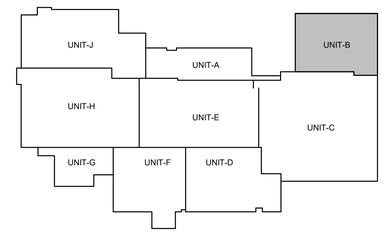
DISCONNECT AND REMOVE EXISTING INTERIOR LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING EXTERIOR BUILDING MOUNTED LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

ELECTRICAL DEVICES SHOWN AS EXISTING TO REMAIN SHALL BE REMOVED IN THEIR ENTIRETY WITH CONDUIT AND BACKBOX TO REMAIN TO ABOVE ACCESSIBLE CEILING SUCH THAT NEW CONDUCTORS CAN BE PULLED TO LOCATION WITH NEW DEVICE. REFER TO NEW POWER PLANS FOR CIRCUIT INFORMATION.

REFER TO GENERAL DEMOLITION NOTES ON SHEET E600.



KEY PLAN

UNIT-B ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-B ELECTRICAL DEMOLITION PLAN

SHEET: **E002**

COMM #: 2265

I:\Ha\2024\ 13253 Ha

INSTALL UNISTRUT RACKS FOR TEMPORARY USAGE TO MOUNT ALL VFDS AND MOTOR STARTERS TO ACCOMODATE EQUIPMENT. INTERCEPT EXISTING FEEDS AND ROUTE VIA FMC OR EMT TO TEMPORARY UNISTRUT LOCATION. ALL NECESSARY COMPONENTS AND QUANTITIES OF UNISTRUT TO BE FIELD VERIFIED PRIOR TO INSTALLTION. COORDINATE ALL DOWNTIMES WITH OWNER AND PHASING.

ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

3 DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

4 EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.

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6 DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.

7 DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.

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MASS INTERIOR DEMOLITION THROUGHOUT THIS UNIT.

ALL LIGHTING SYSTEMS, FIRE ALARM DEVICES AND ELECTRICAL POWER DEVICES SHALL BE DEMOLISHED IN THEIR ENTIRETY. POWER FEEDS THAT ARE REQUIRED TO REMAIN FOR PHASING OF WORK SHALL BE FULLY COORDINATED.

ALL SURFACE RACEWAY SHALL BE REMOVED IN ITS ENTIRETY.

DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICE AND ASSOCIATED CONDUCTORS BACK TO POINT OF TERMINATION. PROVIDE ALL NECESSARY REPROGRAMMING ON THE SYSTEM FOR DEVICE REMOVAL. FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE ENTIRETY OF CONSTRUCTION. COORDINATE ALL REQUIREMENTS OF SYSTEM WITH LOCAL AND STATE CODES.

REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING INTERIOR LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING EXTERIOR BUILDING MOUNTED LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

ELECTRICAL DEVICES SHOWN AS EXISTING TO REMAIN SHALL BE REMOVED IN THEIR ENTIRETY WITH CONDUIT AND BACKBOX TO REMAIN TO ABOVE ACCESSIBLE CEILING SUCH THAT NEW CONDUCTORS CAN BE PULLED TO LOCATION WITH NEW DEVICE. REFER TO NEW POWER PLANS FOR CIRCUIT INFORMATION.

REFER TO GENERAL DEMOLITION NOTES ON SHEET E600.

AREA INDICATED SHALL NOT RECIEVE MASS INTERIOR DEMOLISION. REFER TO INDIVIDUAL PLAN NOTES OR TEXT NOTES IN THIS AREA.

AREA INDICATED SHALL NOT RECIEVE MASS INTERIOR DEMOLISION. REFER TO INDIVIDUAL PLAN NOTES OR TEXT NOTES IN THIS AREA.

REMOVE EXISTING JUNCTION BOX AND PATCH WALL AS REQUIRED.

DISCONNECT AND REMOVE EXISTING FLOOR RECEPTACLES AND PULL CONDUCTORS BACK TO POINT OF TERMINATION. CUT CONDUITS BELOW FLOOR LEVEL AND PATCH SLAB FOR NEW FINISHES IN SPACE. TYPICAL ALL LOCATIONS (15 IN SPACE).

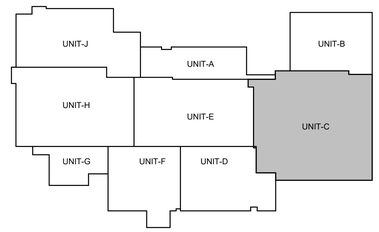
DISCONNECT AND REMOVE EXISTING FLOOR STUB UPS TO TABLES THAT ARE DEMOLISHED AND PULL CONDUCTORS BACK TO POINT OF TERMINATION. CUT CONDUITS BELOW FLOOR LEVEL AND PATCH SLAB FOR NEW FINISHES IN SPACE. TYPICAL ALL LOCATIONS (7 IN SPACE).

EC RESPONSIBLE FOR VERIFYING IF TEACHING DESK NEEDS REFED WITH PLACEMENT OF NEW DESK. SAW CUT FLOOR AS REQUIRED. REFER TO NEW POWER PLANS.

DISCONNECT AND REMOVE EXISTING FLOOR STUB UPS TO TABLES THAT ARE DEMOLISHED AND PULL CONDUCTORS BACK TO POINT OF TERMINATION. CUT CONDUITS BELOW FLOOR LEVEL AND PATCH SLAB FOR NEW FINISHES IN SPACE. TYPICAL ALL LOCATIONS (7 IN SPACE).

DISCONNECT AND REMOVE EXISTING FLOOR STUB UPS TO TABLES THAT ARE DEMOLISHED AND PULL CONDUCTORS BACK TO POINT OF TERMINATION. CUT CONDUITS BELOW FLOOR LEVEL AND PATCH SLAB FOR NEW FINISHES IN SPACE. TYPICAL ALL LOCATIONS (8 IN SPACE).

KEY PLAN



UNIT-C ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-C ELECTRICAL DEMOLITION PLAN
SHEET:	E003
COMM #:	2265

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ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

3 DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

4 EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.

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6 DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAAS, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.

7 DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.

8 Text

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MASS INTERIOR DEMOLITION THROUGHOUT THIS UNIT.

ALL LIGHTING SYSTEMS, FIRE ALARM DEVICES AND ELECTRICAL POWER DEVICES SHALL BE DEMOLISHED IN THEIR ENTIRETY. POWER FEEDS THAT ARE REQUIRED TO REMAIN FOR PHASING OF WORK SHALL BE FULLY COORDINATED.

ALL SURFACE RACEWAY SHALL BE REMOVED IN ITS ENTIRETY.

DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICE AND ASSOCIATED CONDUCTORS BACK TO POINT OF TERMINATION. PROVIDE ALL NECESSARY REPROGRAMMING ON THE SYSTEM FOR DEVICE REMOVAL. FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE ENTIRETY OF CONSTRUCTION. COORDINATE ALL REQUIREMENTS OF SYSTEM WITH LOCAL AND STATE CODES.

REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

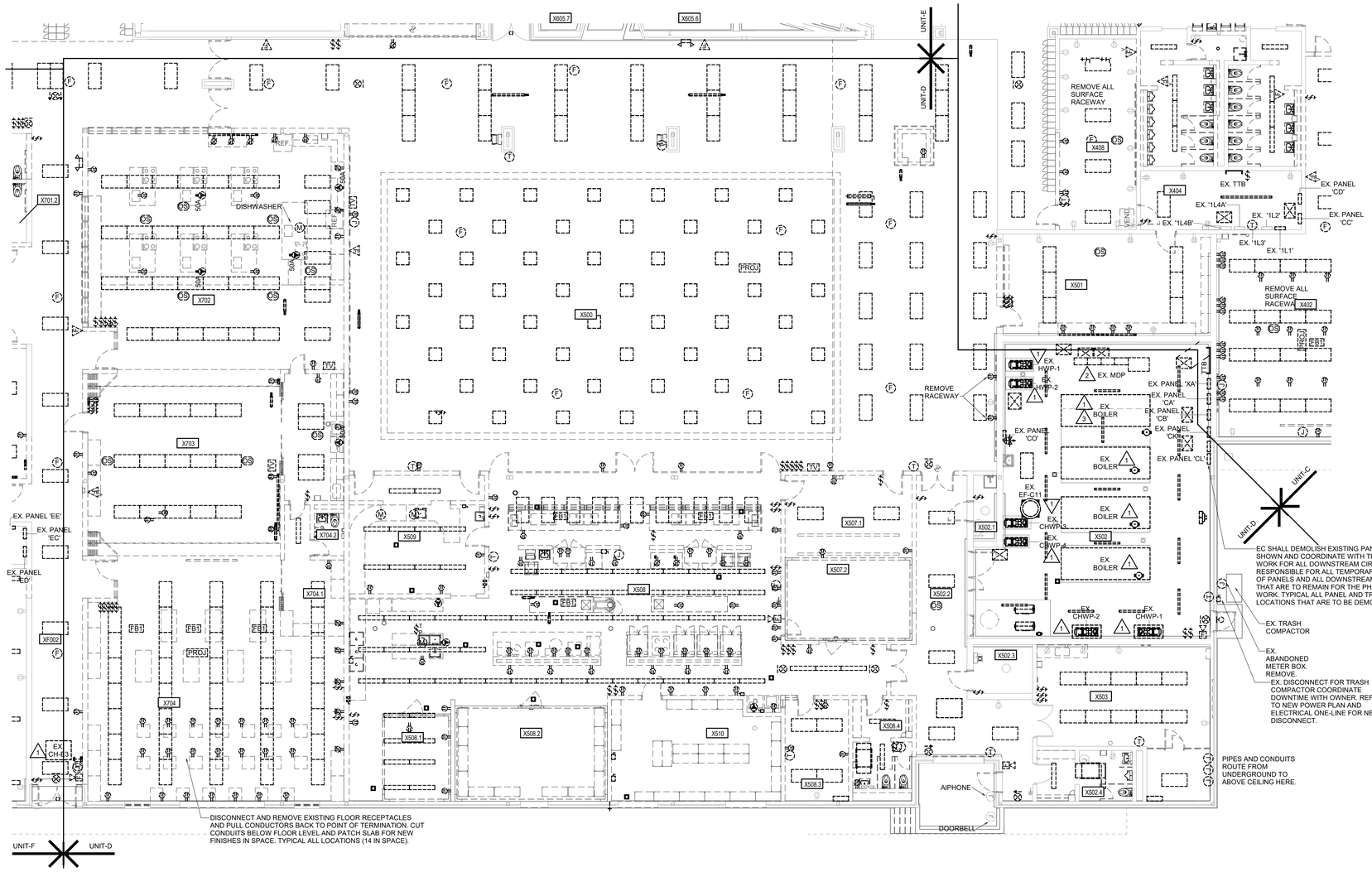
DISCONNECT AND REMOVE EXISTING INTERIOR LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

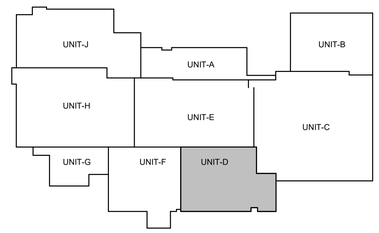
DISCONNECT AND REMOVE EXISTING EXTERIOR BUILDING MOUNTED LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

ELECTRICAL DEVICES SHOWN AS EXISTING TO REMAIN SHALL BE REMOVED IN THEIR ENTIRETY WITH CONDUIT AND BACKBOX TO REMAIN TO ABOVE ACCESSIBLE CEILING SUCH THAT NEW CONDUCTORS CAN BE PULLED TO LOCATION WITH NEW DEVICE. REFER TO NEW POWER PLANS FOR CIRCUIT INFORMATION.

REFER TO GENERAL DEMOLITION NOTES ON SHEET E600.





KEY PLAN

UNIT-D ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

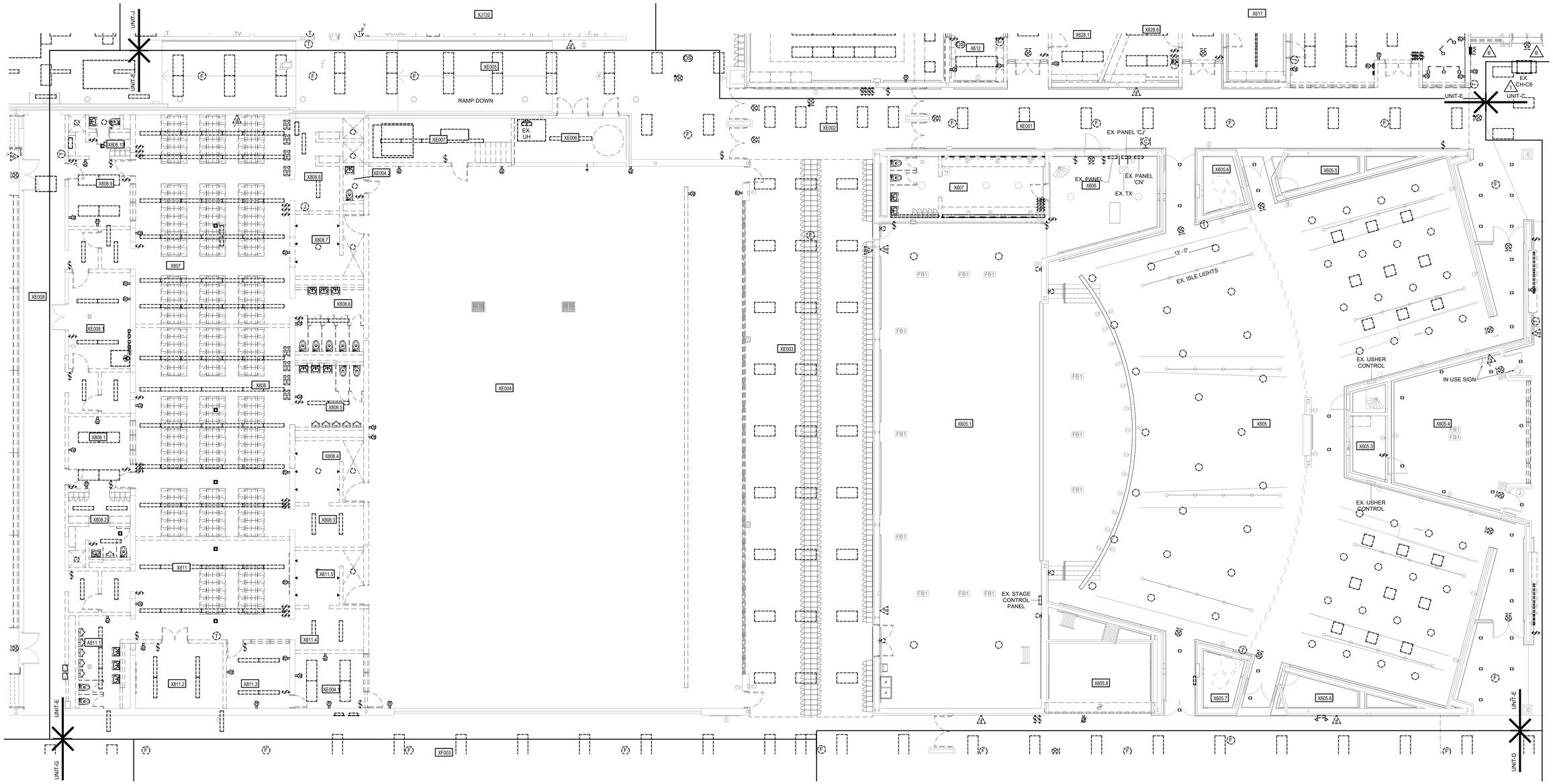
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-D ELECTRICAL DEMOLITION PLAN

SHEET: **E004**

COMM #: 2265

1/15/2024 1:32:21 PM



ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

3 DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

4 EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.

5 EXISTING PANEL SHALL RELOCATE TO NEW WALL IN AREA. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS FOR FEEDER INFORMATION OF PANEL. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER. EXTEND ALL REMAINING BRANCH CIRCUITS TO NEW LOCATION OF PANEL AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.

6 DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.

7 DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.

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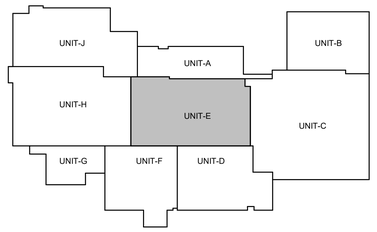

KEY PLAN

N

UNIT-E ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

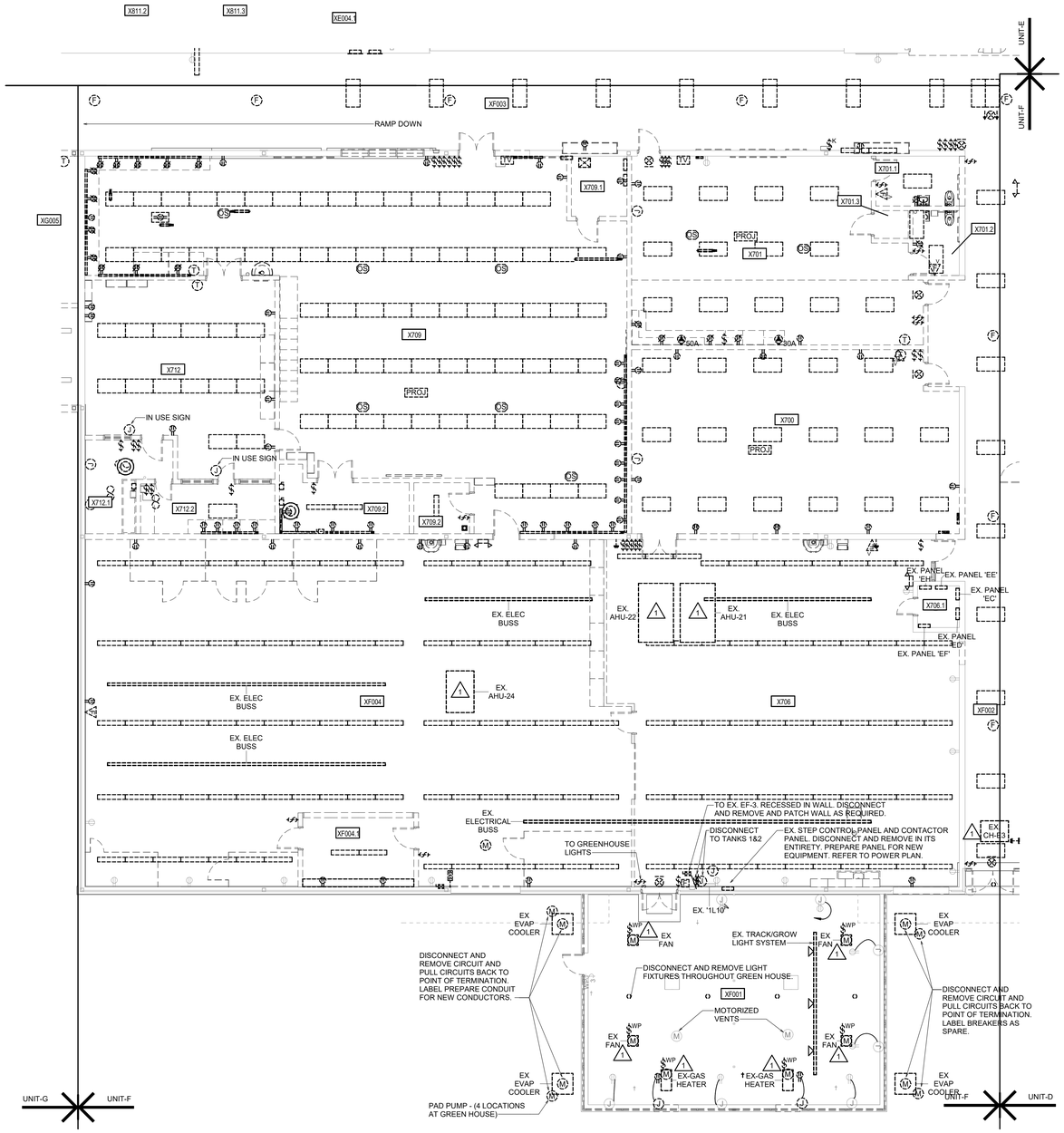
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E ELECTRICAL DEMOLITION PLAN

SHEET: **E005**

COMM #: 2265

1/16/2024 1:32:38 PM



ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1. REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.
2. DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.
3. DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.
4. EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.
5. EXISTING PANEL SHALL RELOCATE TO NEW WALL IN AREA. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS FOR FEEDER INFORMATION OF PANEL. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER. EXTEND ALL REMAINING BRANCH CIRCUITS TO NEW LOCATION OF PANEL AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
6. DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.
7. DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.
8. Text
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MASS INTERIOR DEMOLITION THROUGHOUT THIS UNIT.

ALL LIGHTING SYSTEMS, FIRE ALARM DEVICES AND ELECTRICAL POWER DEVICES SHALL BE DEMOLISHED IN THEIR ENTIRETY. POWER FEEDS THAT ARE REQUIRED TO REMAIN FOR PHASING OF WORK SHALL BE FULLY COORDINATED.

ALL SURFACE RACEWAY SHALL BE REMOVED IN ITS ENTIRETY.

DISCONNECT AND REMOVE EXISTING FIRE ALARM DEVICE AND ASSOCIATED CONDUCTORS BACK TO POINT OF TERMINATION. PROVIDE ALL NECESSARY REPROGRAMMING ON THE SYSTEM FOR DEVICE REMOVAL. FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE ENTIRETY OF CONSTRUCTION, COORDINATE ALL REQUIREMENTS OF SYSTEM WITH LOCAL AND STATE CODES.

REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

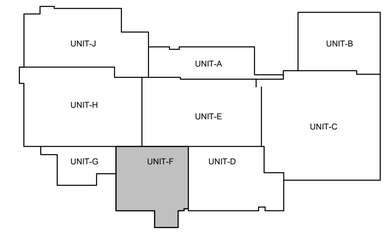
DISCONNECT AND REMOVE EXISTING INTERIOR LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING EXTERIOR BUILDING MOUNTED LIGHT FIXTURES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES IN THEIR ENTIRETY. REMOVE EXISTING BRANCH CIRCUIT BACK TO POINT OF TERMINATION.

ELECTRICAL DEVICES SHOWN AS EXISTING TO REMAIN SHALL BE REMOVED IN THEIR ENTIRETY WITH CONDUIT AND BACKBOX TO REMAIN TO ABOVE ACCESSIBLE CEILING SUCH THAT NEW CONDUCTORS CAN BE PULLED TO LOCATION WITH NEW DEVICE. REFER TO NEW POWER PLANS FOR CIRCUIT INFORMATION.

REFER TO GENERAL DEMOLITION NOTES ON SHEET E600.



KEY PLAN

UNIT-F ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-F ELECTRICAL DEMOLITION PLAN
SHEET:	E006
COMM #:	2265

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ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

3 DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

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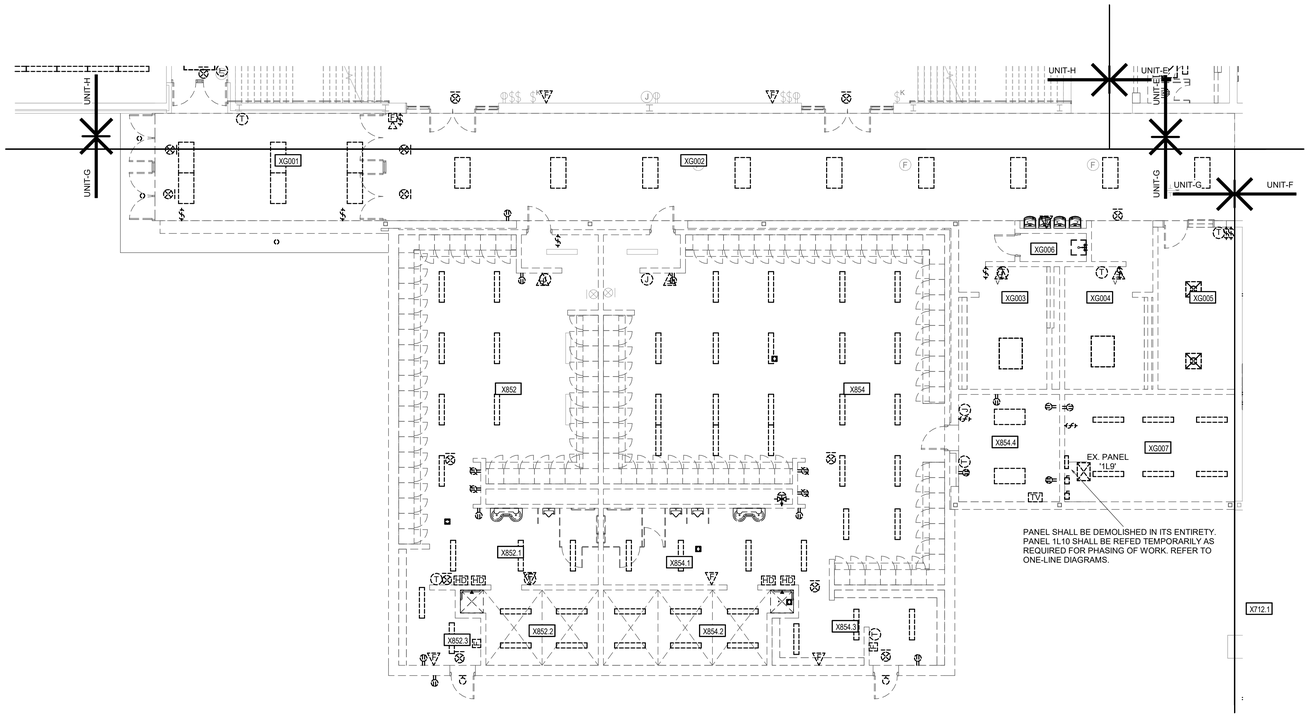

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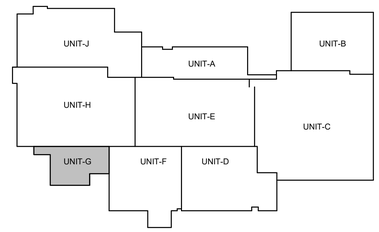
UNIT-G ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"



KEY PLAN

RYAN J. BOWLAND
REGISTERED
No. PE10910439
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-G ELECTRICAL DEMOLITION PLAN

SHEET: E007

COMM #: 2265

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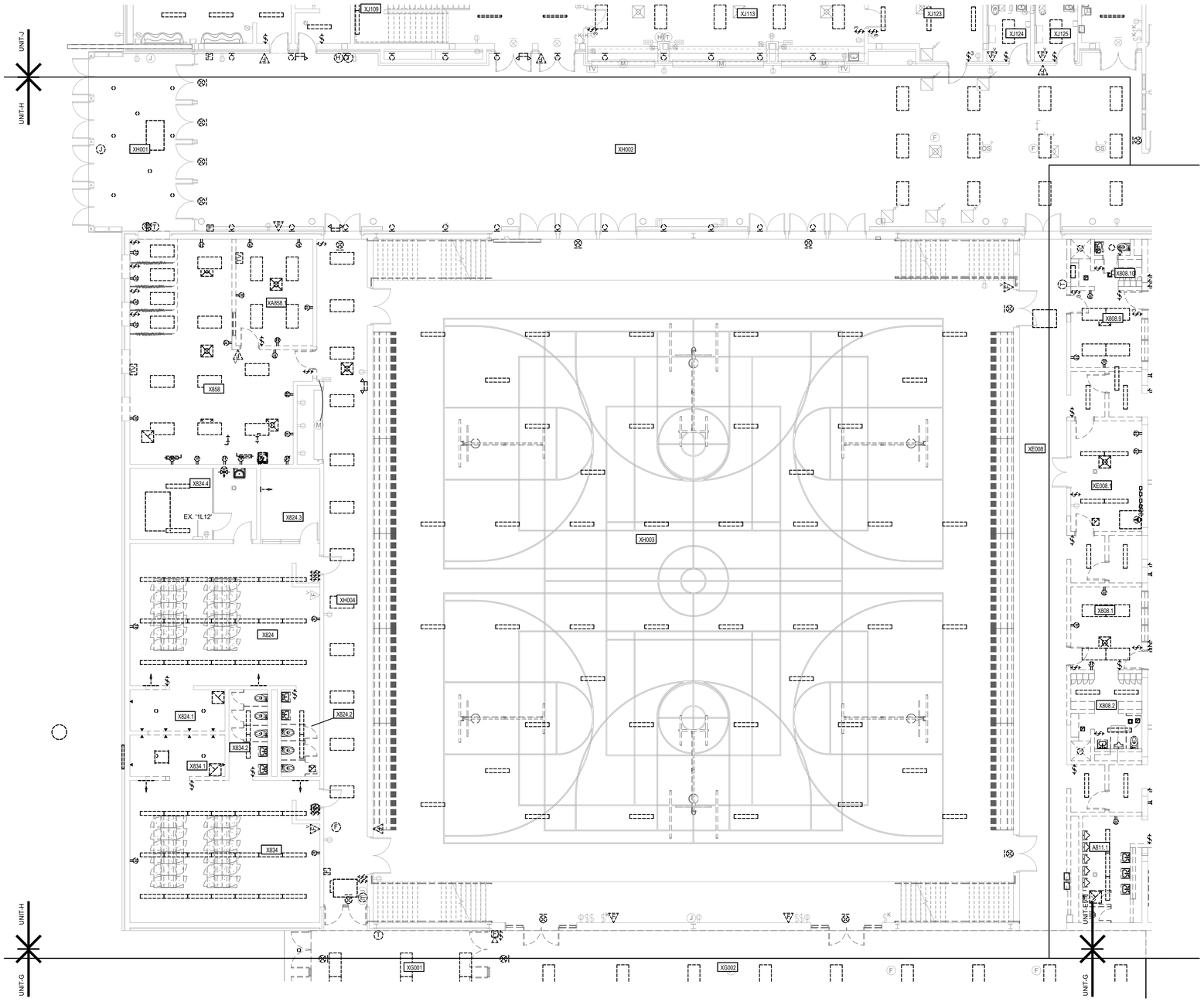

ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

3 DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

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6 DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.

7 DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.

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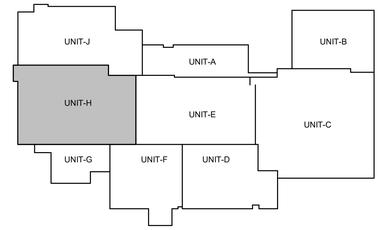

KEY PLAN

N

UNIT-H ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910439
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H ELECTRICAL DEMOLITION PLAN

SHEET: **E008**

COMM #: 2265

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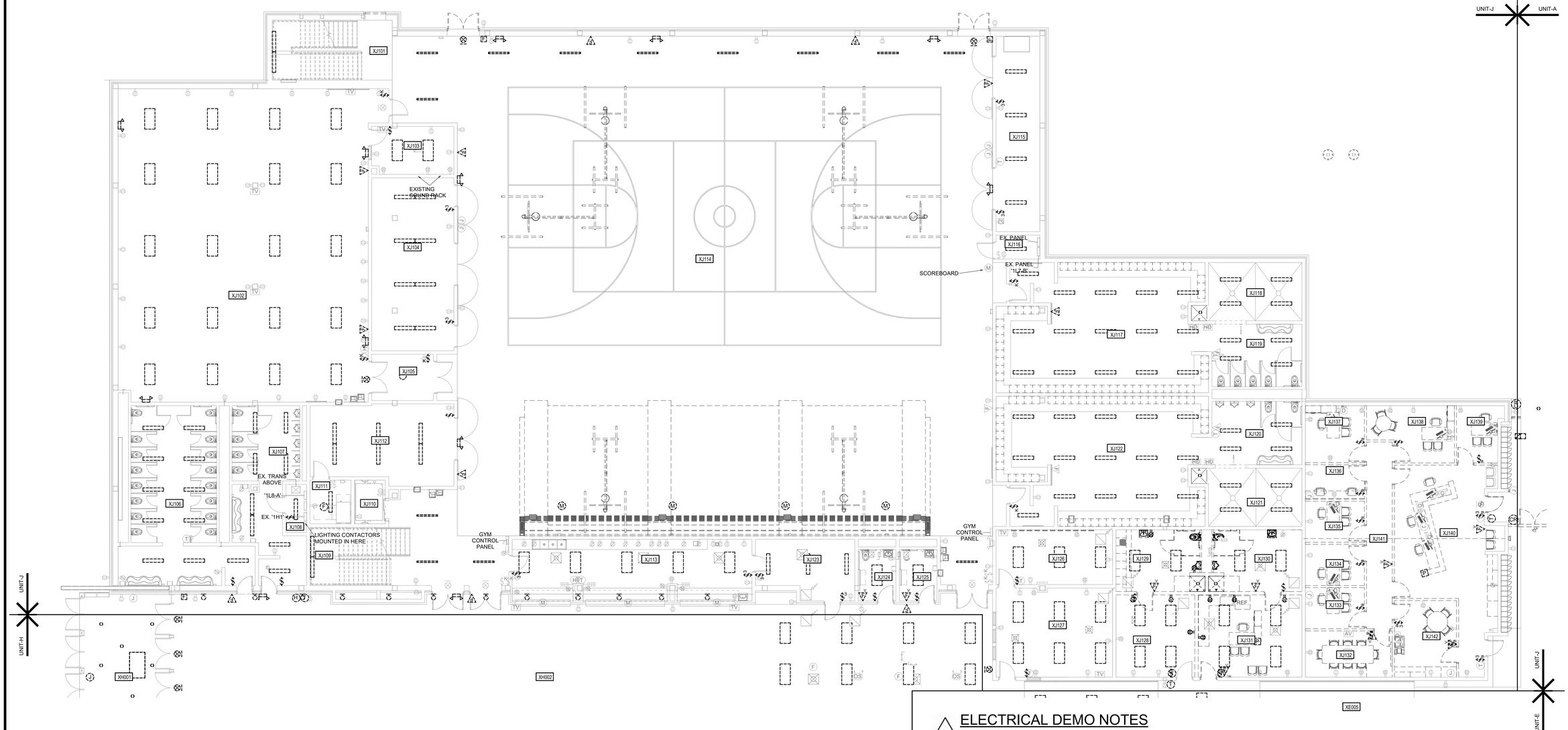

ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1. REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.
2. DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.
3. DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.
4. EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.
5. EXISTING PANEL SHALL RELOCATE TO NEW WALL IN AREA. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS FOR FEEDER INFORMATION OF PANEL. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER. EXTEND ALL REMAINING BRANCH CIRCUITS TO NEW LOCATION OF PANEL AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
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7. DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.
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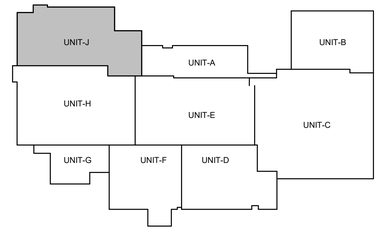

KEY PLAN

N

UNIT-J ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV// BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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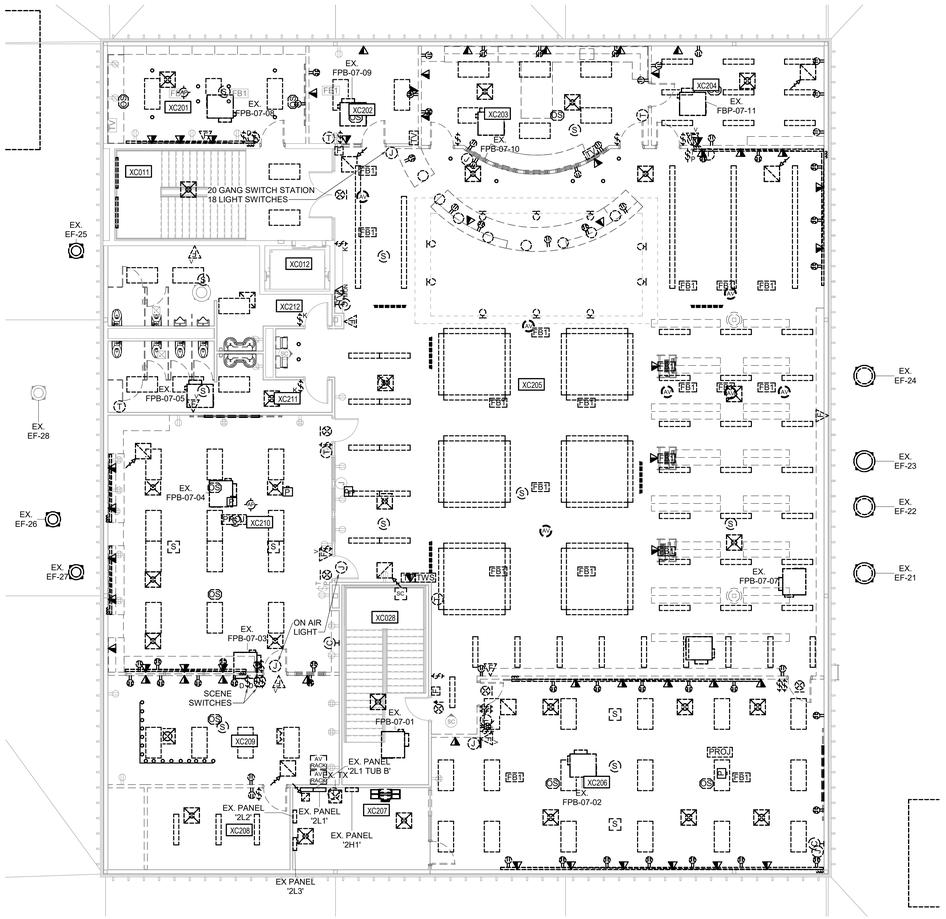
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J ELECTRICAL DEMOLITION PLAN
SHEET:	E009
COMM #:	2265

11/4/2024 3:33:07 PM



UNIT-C UPPER LEVEL ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

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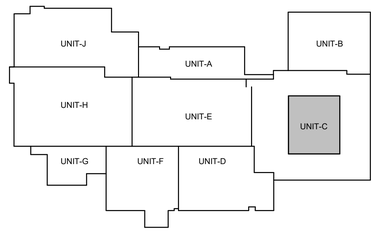

KEY PLAN

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

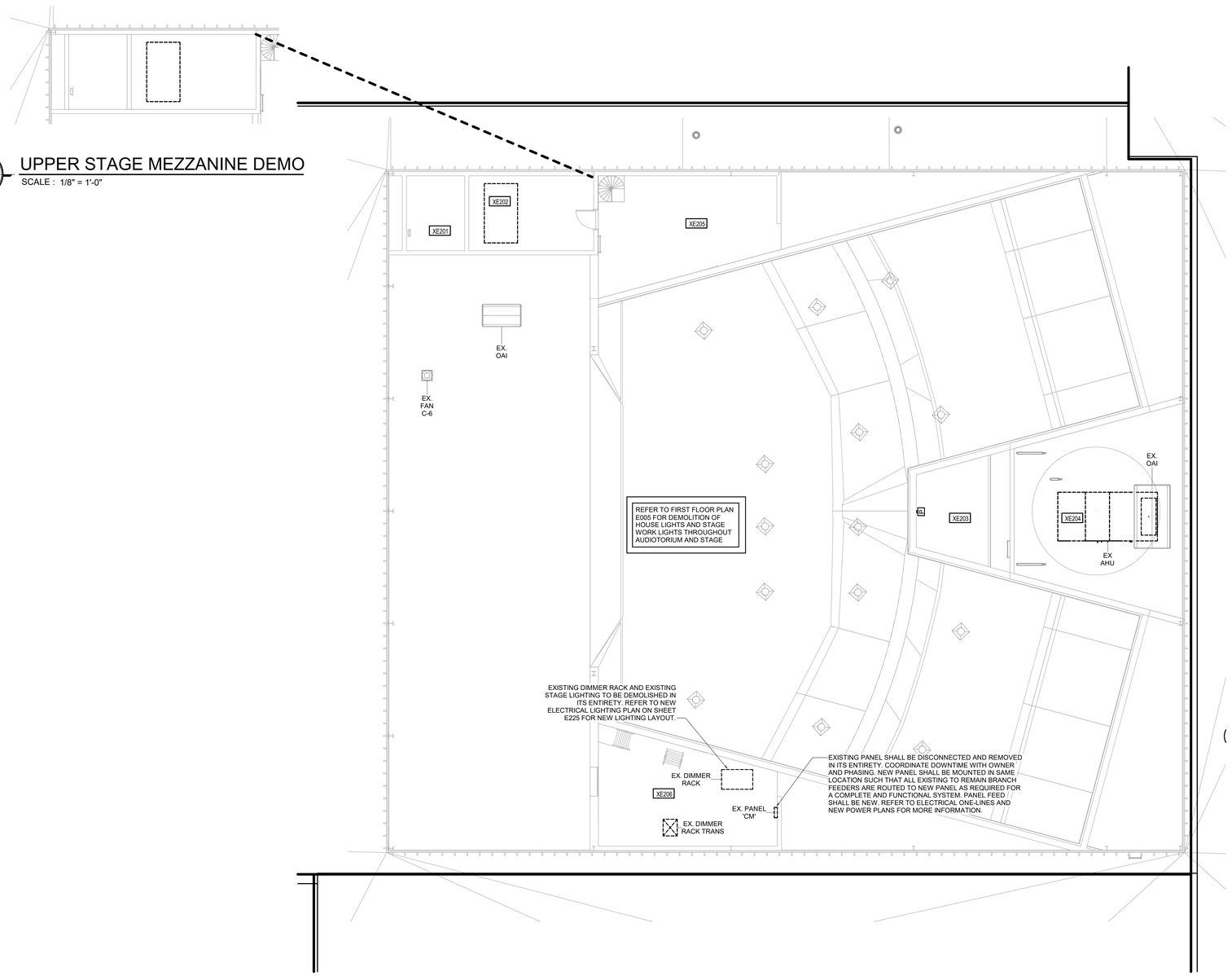
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C UPPER ELECTRICAL DEMOLITION PLAN

SHEET: **E023**

COMM #: 2265

1/16/2024 1:38:11 PM



N

UPPER STAGE MEZZANINE DEMO

SCALE : 1/8" = 1'-0"

△ ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.

3 DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.

4 EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.

5 EXISTING PANEL SHALL RELOCATE TO NEW WALL IN AREA. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS FOR FEEDER INFORMATION OF PANEL. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER. EXTEND ALL REMAINING BRANCH CIRCUITS TO NEW LOCATION OF PANEL AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.

6 DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.

7 DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.

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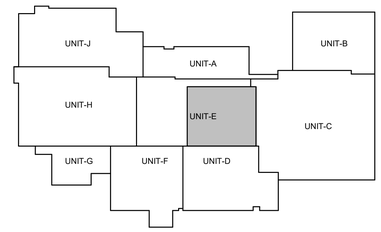

KEY PLAN

N

UNIT-E UPPER ELECTRICAL DEMOLITION PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: **PURSIFULL**

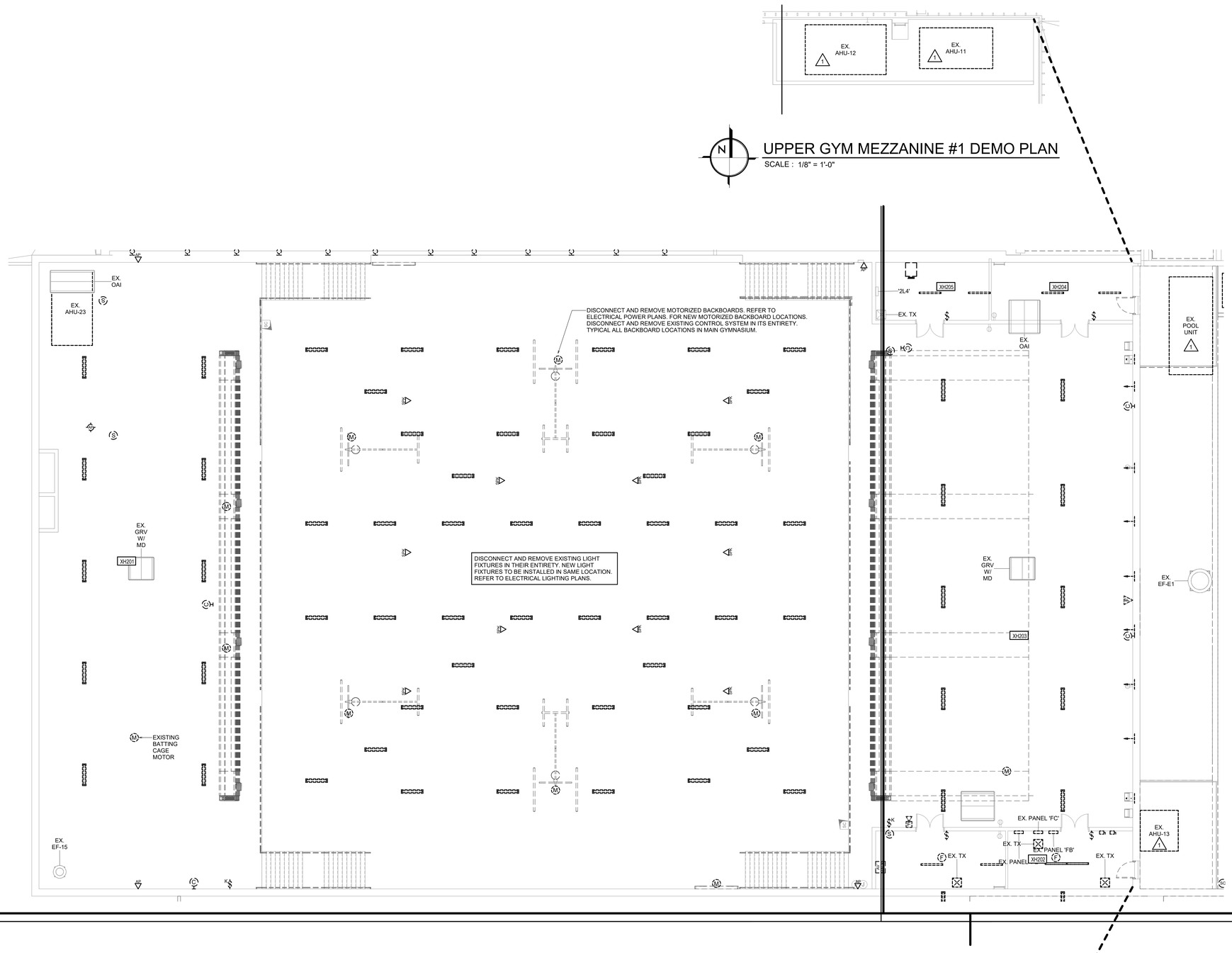
DATE: **JANUARY 16, 2024**

SHEET NAME:
UNIT-E UPPER ELECTRICAL DEMOLITION PLAN

SHEET: **E025**

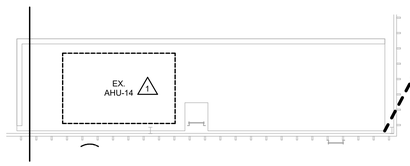
COMM #: 2265

1/16/2024 1:33:19 PM



UPPER GYM MEZZANINE #1 DEMO PLAN

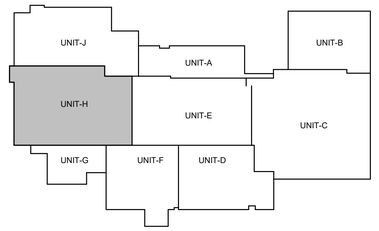
SCALE : 1/8" = 1'-0"



UPPER GYM MEZZANINE #2 DEMO PLAN

SCALE : 1/8" = 1'-0"

KEY PLAN



UNIT-H UPPER LEVEL ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1. REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.
2. DISCONNECT AND REMOVE ELECTRICAL SERVICE, DISCONNECTS, ETC. AND ALL CONDUIT AND CONDUCTORS BACK TO SOURCE. REFER TO ELECTRICAL ONE-LINE-DIAGRAM. COORDINATE WITH PHASING OF WORK FOR REMOVAL OF EXISTING SERICE SUCH THAT ALL DOWNTIMES ARE FULLY COORDINATED WITH ALL TRADES AND THE OWNER.
3. DAMAGED BOILER SHALL BE REMOVED UPON START OF CONSTRUCTION TO COORDINATE NEW ELECTRICAL SERVICE LOCATION. COORDINATE WITH OTHER TRADES FOR REMOVAL OF EXISTING BOILER AS REQUIRED. EC IS RESPONSIBLE FOR VERIFYING EXISTING PAD SIZE WITH NEW ELECTRICAL EQUIPMENT SIZE. REFER TO NEW POWER PLAN AND ELECTRICAL ONE-LINE FOR MORE INFORMATION.
4. EXISTING PANEL SHALL REMAIN IN EXISTING LOCATION AND WILL BE REFED. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER.
5. EXISTING PANEL SHALL RELOCATE TO NEW WALL IN AREA. REFER TO EXISTING AND NEW ELECTRICAL ONE-LINE DIAGRAMS FOR FEEDER INFORMATION OF PANEL. COORDINATE ALL DOWNTIMES WITH PHASING OF WORK AND THE OWNER. EXTEND ALL REMAINING BRANCH CIRCUITS TO NEW LOCATION OF PANEL AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
6. DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.
7. DISCONNECT EXISTING MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED FROM EXISTING DISCONNECTS, STARTERS, SWITCHES, ETC. AND ALL ASSOCIATED CONDUIT AND CONDUCTORS. PREPARE CONDUIT AND CONDUCTORS FOR THE INSTALLATION OF NEW MECHANICAL EQUIPMENT, REFER TO NEW POWER PLAN FOR MORE INFORMATION.
8. Text
9. Text
10. Text

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

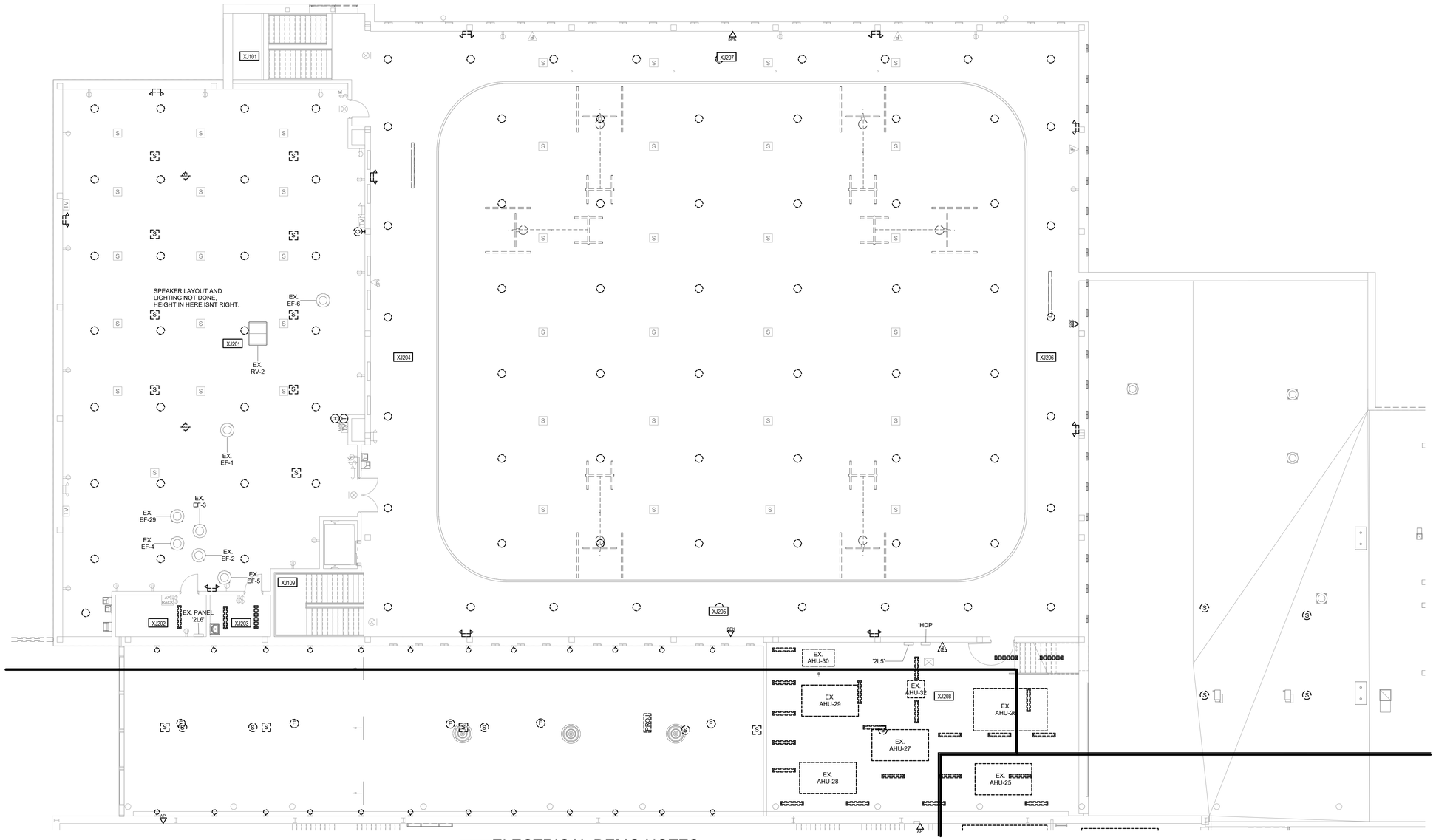
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H UPPER ELECTRICAL DEMOLITION PLAN

SHEET: **E028**

COMM #: 2265

1/16/2024 9:45:43 AM



ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

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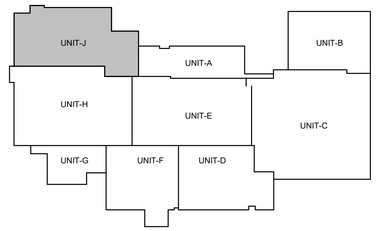

KEY PLAN

N

UNIT-J UPPER LEVEL ELECTRICAL DEMO PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J UPPER ELECTRICAL DEMOLITION PLAN

SHEET: **E029**

COMM #: 2265

1/15/2024 1:53:23 PM

ELECTRICAL DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

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6 DISCONNECT AND REMOVE COMPLETE FIRE ALARM SYSTEM, INCLUDING BUT NOT LIMITED TO FACP, FAA'S, VISUAL DEVICES, HORN-STROBES, SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, DUCT DETECTORS, RELAYS, NAC PANELS, MONITOR MODULES, CABLING, POWER SUPPLIES, ETC. COORDINATE REMOVAL OF EXISTING FIRE ALARM SYSTEM WITH PHASING SUCH THAT FIRE ALARM IS OPERATIONAL THROUGHOUT THE ENTIRETY OF CONSTRUCTION.

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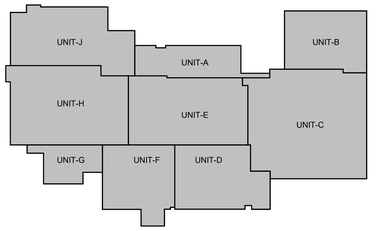

KEY PLAN

OVERALL ROOF ELECTRICAL DEMOLITION PLAN

SCALE : 3/64" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

△ INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: OVERALL ROOF ELECTRICAL DEMOLITION PLAN

SHEET: **E050**

COMM #: 2265

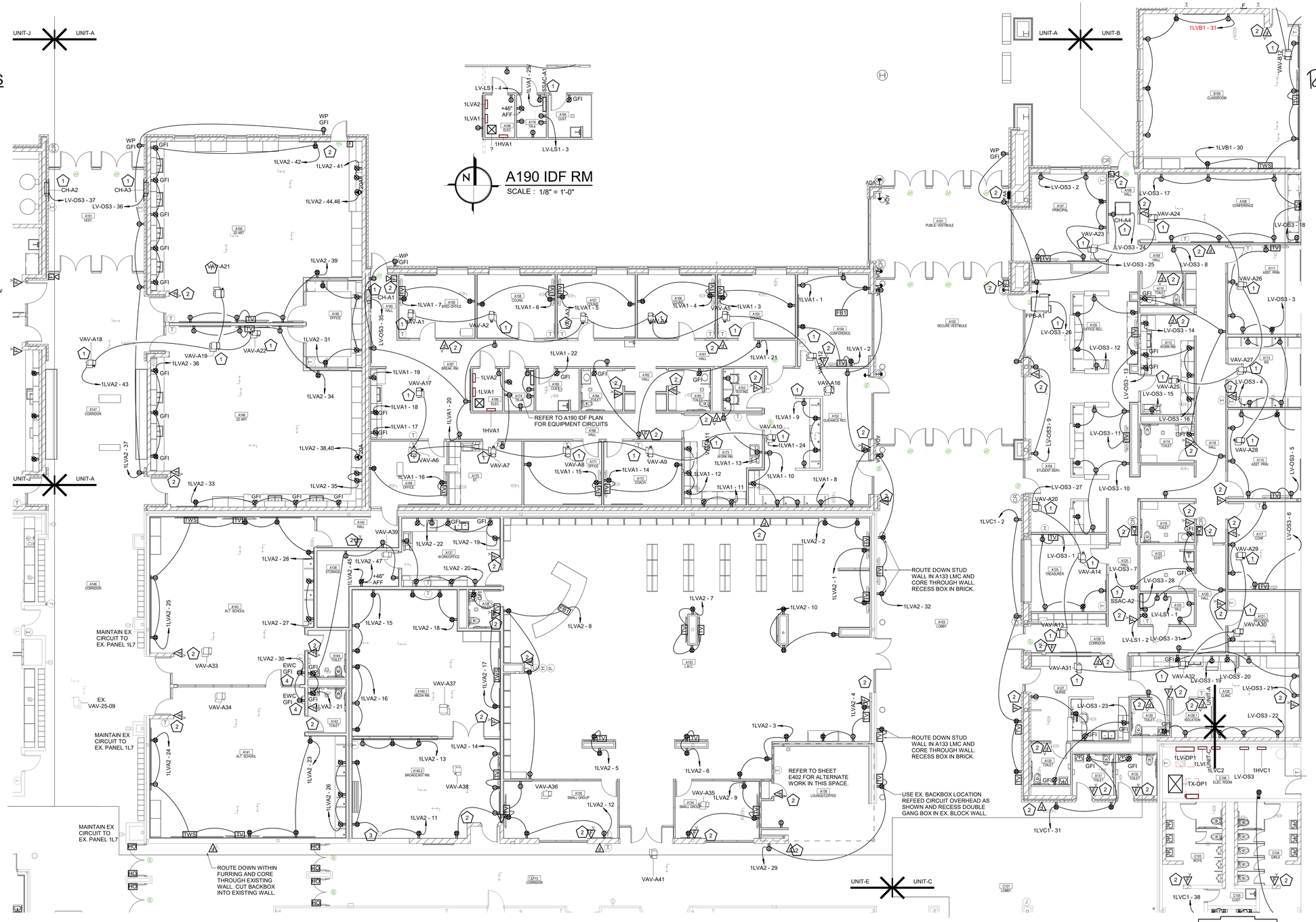
1/16/2024 1:33:37 PM

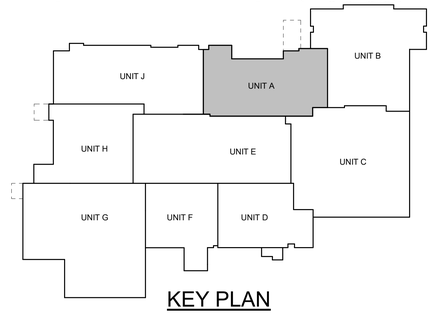
ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. NEW FIRE ALARM DEVICES. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE NEW SYSTEM INCLUDING POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
3. REFEED EXISTING LOCATION AS SHOWN. REPLACE RECEPTACLE WITH NEW DEVICE AND INSTALL NEW FACEPLATE.
4. PROVIDE DUPLEX GFI RECEPTACLE FOR WATER COOLER. COORDINATE LOCATION WITH OTHER TRADES FOR CONCEALMENT WITH-IN WATER COOLER. COORDINATE LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS. WIRE SUCH THAT UPON ALARM, ALL UNITS SHUT DOWN. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE AND INSTALL NEW CARDS, POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
6. ADA OPERATOR LOCATION. COORDINATE MOUNTING REQUIREMENTS WITH DOOR HARDWARE AND SUPPLIER PRIOR TO ROUGH-IN.
7. CUT WALL FOR LOCATION.
8. MAINTAIN ALL CIRCUITS AS SHOWN TO NEW TABLE LOCATIONS. CONTRACTOR SHALL SAW CUT FLOOR AS NECESSARY FOR ANY AND ALL REWORK REQUIRED TO COMPLETE INSTALLATION OF NEW TABLES. FIELD VERIFY ONSITE EXACT LOCATIONS OF NEW AND EXISTING TABLES. COORDINATE WITH SCIENCE CASEWORK SUPPLIER AS REQUIRED. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.
9. REFER TO SHEET FP6.2 FOR SCOREBOARD AND TIMING SYSTEM REQUIREMENTS. COORDINATE ALL REQUIREMENTS WITH SOUND SYSTEM/TIMING SYSTEM SUPPLIER AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
10. SAW CUT FLOOR AS REQUIRED FOR NEW TABLE LOCATION. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.

A190 IDF RM
SCALE : 1/8" = 1'-0"





KEY PLAN

UNIT-A ELECTRICAL POWER & SYSTEMS PLAN
SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

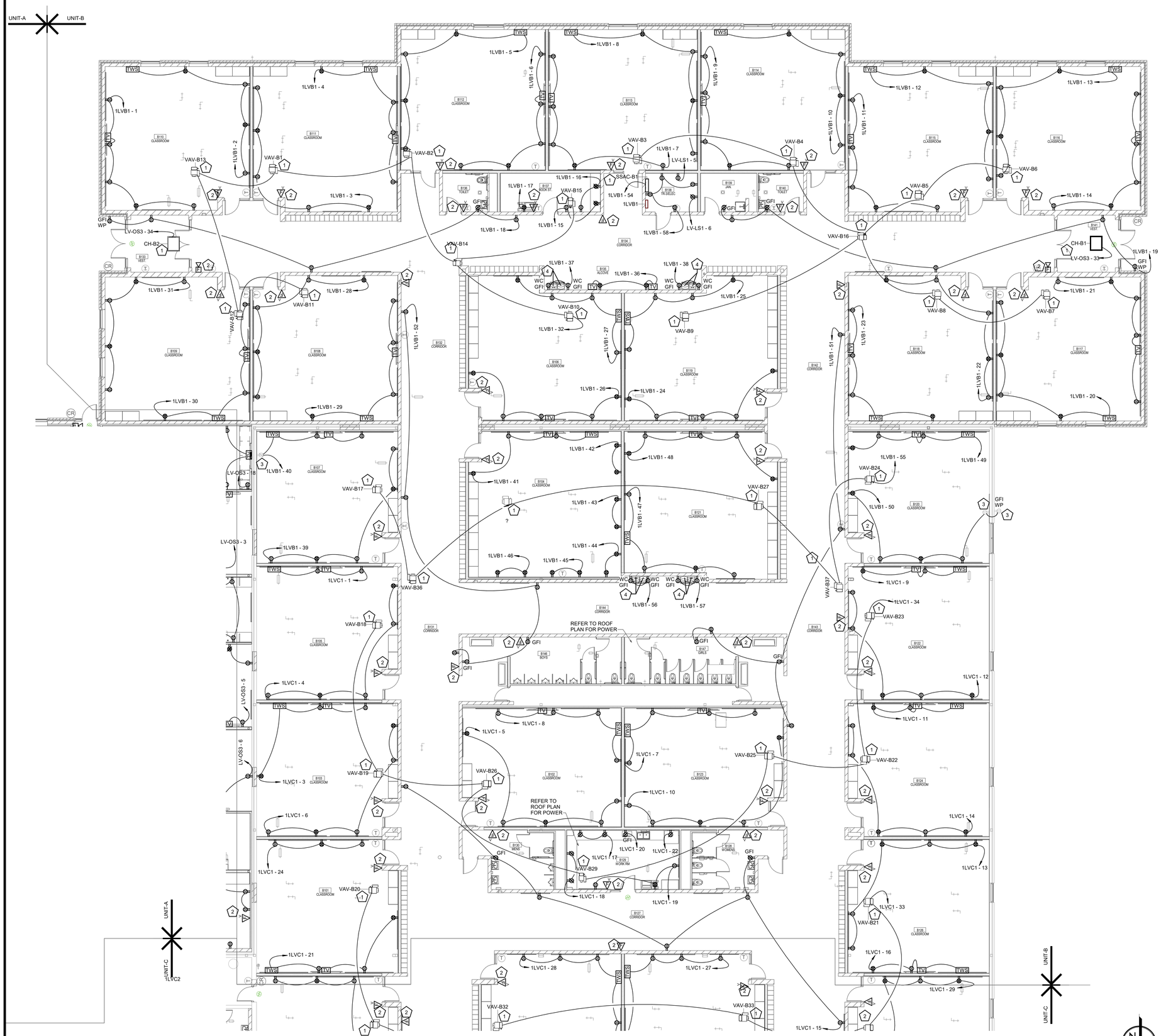
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-A ELECTRICAL POWER & SYSTEMS PLAN

SHEET: **E101**

COMM #: 2265

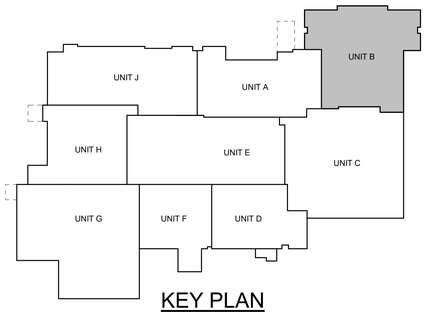
1/16/2024 1:03:03 PM



ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. NEW FIRE ALARM DEVICES. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE NEW SYSTEM INCLUDING POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
3. REFEED EXISTING LOCATION AS SHOWN. REPLACE RECEPTACLE WITH NEW DEVICE AND INSTALL NEW FACEPLATE.
4. PROVIDE DUPLEX GFI RECEPTACLE FOR WATER COOLER. COORDINATE LOCATION WITH OTHER TRADES FOR CONCEALMENT WITH-IN WATER COOLER. COORDINATE LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS. WIRE SUCH THAT UPON ALARM, ALL UNITS SHUT DOWN. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE AND INSTALL NEW CARDS, POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
6. ADA OPERATOR LOCATION. COORDINATE MOUNTING REQUIREMENTS WITH DOOR HARDWARE AND SUPPLIER PRIOR TO ROUGH-IN.
7. CUT WALL FOR LOCATION.
8. MAINTAIN ALL CIRCUITS AS SHOWN TO NEW TABLE LOCATIONS. CONTRACTOR SHALL SAW CUT FLOOR AS NECESSARY FOR ANY AND ALL REWORK REQUIRED TO COMPLETE INSTALLATION OF NEW TABLES. FIELD VERIFY ONSITE EXACT LOCATIONS OF NEW AND EXISTING TABLES. COORDINATE WITH SCIENCE CASEWORK SUPPLIER AS REQUIRED. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.
9. REFER TO SHEET FP6.2 FOR SCOREBOARD AND TIMING SYSTEM REQUIREMENTS. COORDINATE ALL REQUIREMENTS WITH SOUND SYSTEM/TIMING SYSTEM SUPPLIER AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
10. SAW CUT FLOOR AS REQUIRED FOR NEW TABLE LOCATION. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.



KEY PLAN

UNIT-B ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-B ELECTRICAL POWER & SYSTEMS PLAN
SHEET:	E102
COMM #:	2265

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ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. NEW FIRE ALARM DEVICES. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE NEW SYSTEM INCLUDING POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
3. REFEED EXISTING LOCATION AS SHOWN. REPLACE RECEPTACLE WITH NEW DEVICE AND INSTALL NEW FACEPLATE.
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5. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS. WIRE SUCH THAT UPON ALARM, ALL UNITS SHUT DOWN. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE AND INSTALL NEW CARDS, POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
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10. SAW CUT FLOOR AS REQUIRED FOR NEW TABLE LOCATION. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.

ROUTE DOWN WITHIN FURRING ON OPPOSITE SIDE OF WALL.

REFER TO SHEET E405 FOR CIRCUITS, PLAN NOTES, AND DEVICE TAGS THROUGHOUT THIS SPACE

RELOCATED 'IL5'

REFER TO SHEET E405 FOR CIRCUITS, PLAN NOTES, AND DEVICE TAGS THROUGHOUT THIS SPACE

EX. 'IL6A'

EX. 'IL6B'

REFER TO SHEET E405 FOR CIRCUITS, PLAN NOTES, AND DEVICE TAGS THROUGHOUT THIS SPACE

REFER TO SHEET E405 FOR CIRCUITS, PLAN NOTES, AND DEVICE TAGS THROUGHOUT THIS SPACE

MAINTAIN EX POWER TO RACKS WITHIN THIS SPACE

REFER TO ENLARGED PLAN E404 FOR DEVICE TAGS AND CIRCUITS IN THIS SPACE.

REFER TO ENLARGED PLAN E404 FOR DEVICE TAGS AND CIRCUITS IN THIS SPACE.

PANEL THAT SERVED THIS SPACE IS DEMOLISHED. PLAN TO PULL NEW CONDUCTORS TO ALL DEVICES AS SHOWN.

EXTEND EXISTING VAV CIRCUIT TO NEW VAVs AS SHOWN

MAINTAIN EXISTING CIRCUIT AND CIRCUIT TO NEW DEVICES AS SHOWN.

MAINTAIN EX. CIRCUIT AS SHOWN

EXTEND EXISTING LOCAL CIRCUIT TO NEW DEVICES AS SHOWN

EXTEND EXISTING BACKBOX AND CIRCUIT FOR NEW DISHWASHER AS REQUIRED.

MAINTAIN EX. CIRCUITS SHOWN

REFEED TO CORRIDOR CIRCUIT '1L4A'-15 SHOWN

TO PRE-C6

COORDINATE HEIGHT WITH GOGGLE CABINET

COORDINATE HEIGHT WITH GOGGLE CABINET

ROUTE CONDUIT THROUGH BASE CABINETS TO ABOVE CEILING VIA CHASE WALL. COORDINATE WITH SCIENCE CASEWORK SUPPLIER. TYP - ALL LOCATIONS.

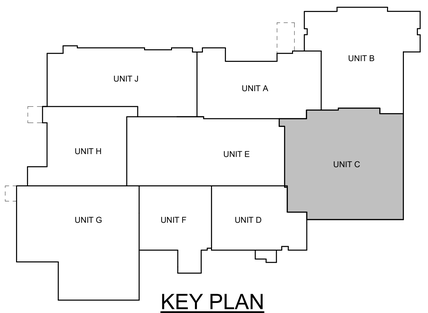
LOCATIONS SHOWN AS JUNCTION BOXES WITHIN SCIENCE CASEWORK COUNTER TOP ARE POWER PEDESTALS PROVIDED BY SCIENCE CASEWORK SUPPLIER. COORDINATE ALL ELECTRICAL DEVICES WITH CASEWORK SUPPLIER. TYPICAL ALL LOCATIONS IN ALL SCIENCE ROOMS SHOWN.

MAINTAIN EX. CIRCUIT AND ADD NEW DEVICES AS SHOWN

ROUTE CONDUIT THROUGH BASE CABINETS AND ROUTE UP NEW CHASE WALL. COORDINATE WITH SCIENCE CASEWORK SUPPLIER.

ROUTE CONDUIT THROUGH BASE CABINETS AND CORE THROUGH WALL TO ROUTE UP NEW CHASE WALL IN C131 SCIENCE CLASS.

EXISTING JUNCTION BOXES SHALL RECEIVE NEW ELECTRICAL DEVICES, TYP -(4 LOCATIONS THIS WALL). CIRCUIT AS SHOWN/MAINTAIN EX CIRCUIT AS SHOWN. REFER TO PANEL SCHEDULE FOR MORE INFO.



KEY PLAN

UNIT-C ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-C ELECTRICAL POWER & SYSTEMS PLAN
SHEET:	E103
COMM #:	2265

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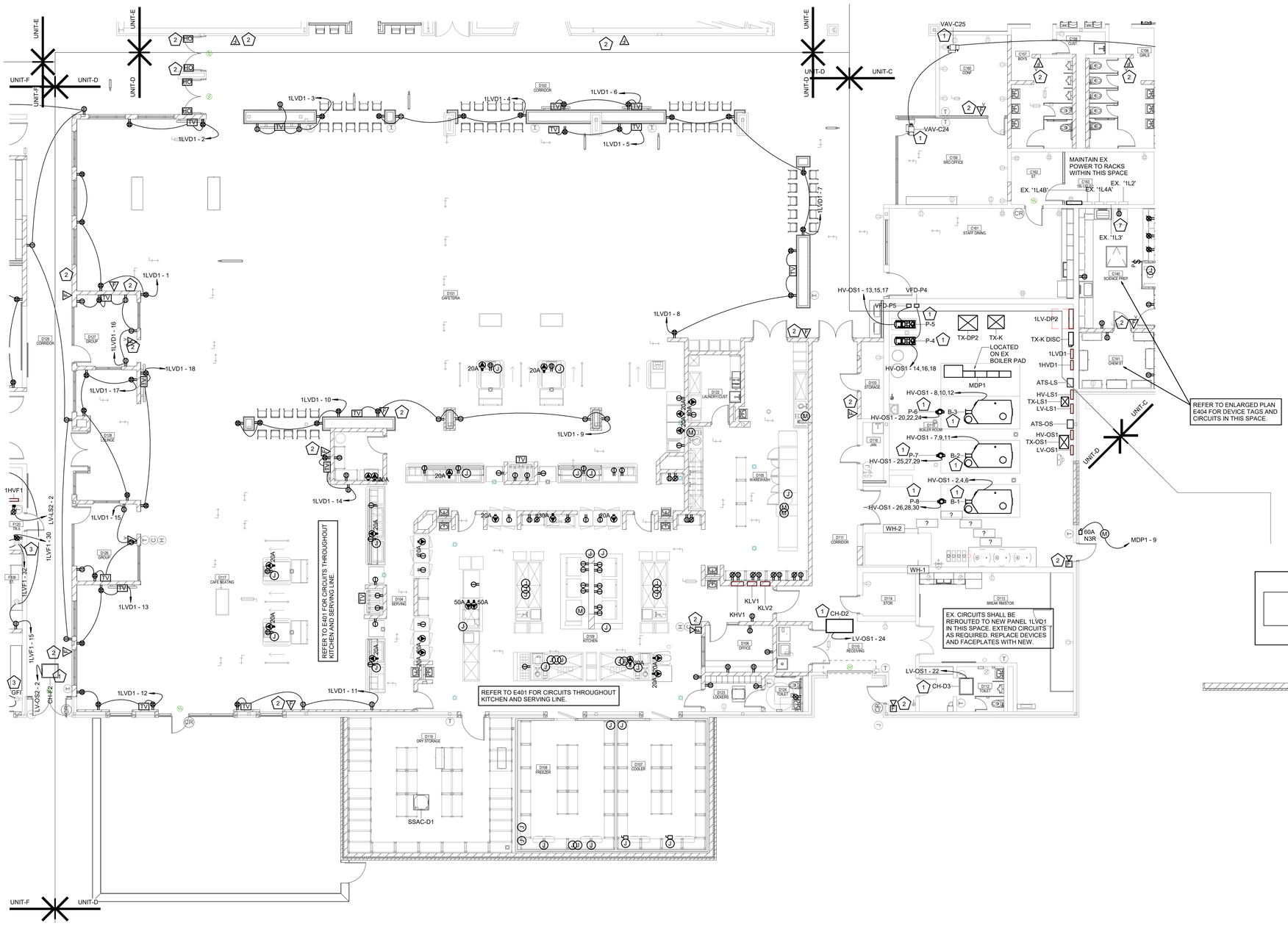

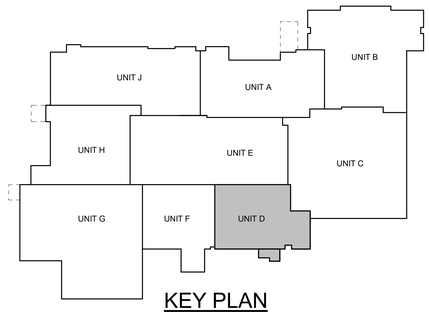

KEY PLAN

ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
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10. SAW CUT FLOOR AS REQUIRED FOR NEW TABLE LOCATION. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.

UNIT-D ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-D ELECTRICAL POWER & SYSTEMS PLAN

SHEET: **E104**

COMM #: 2265

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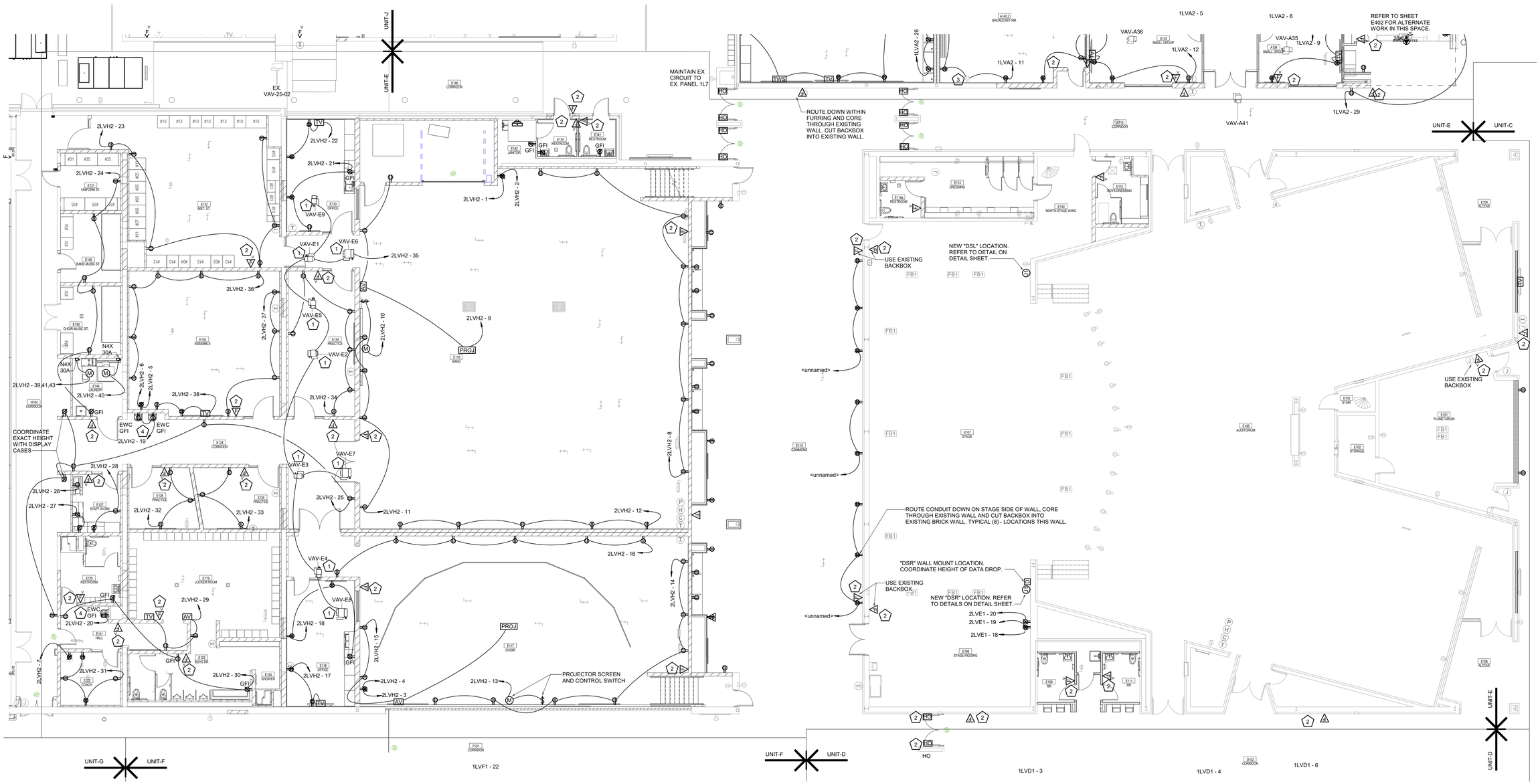

ELECTRICAL POWER PLAN NOTES

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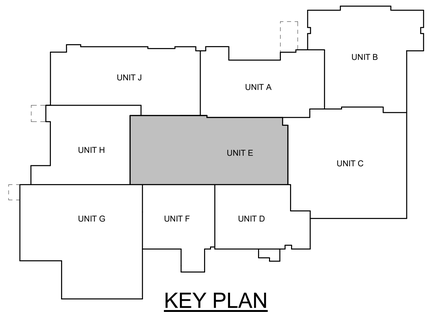

KEY PLAN

UNIT-E ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

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ARCHITECTS & ENGINEERS

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-E ELECTRICAL POWER & SYSTEMS PLAN

SHEET: **E105**
COMM #: 2265

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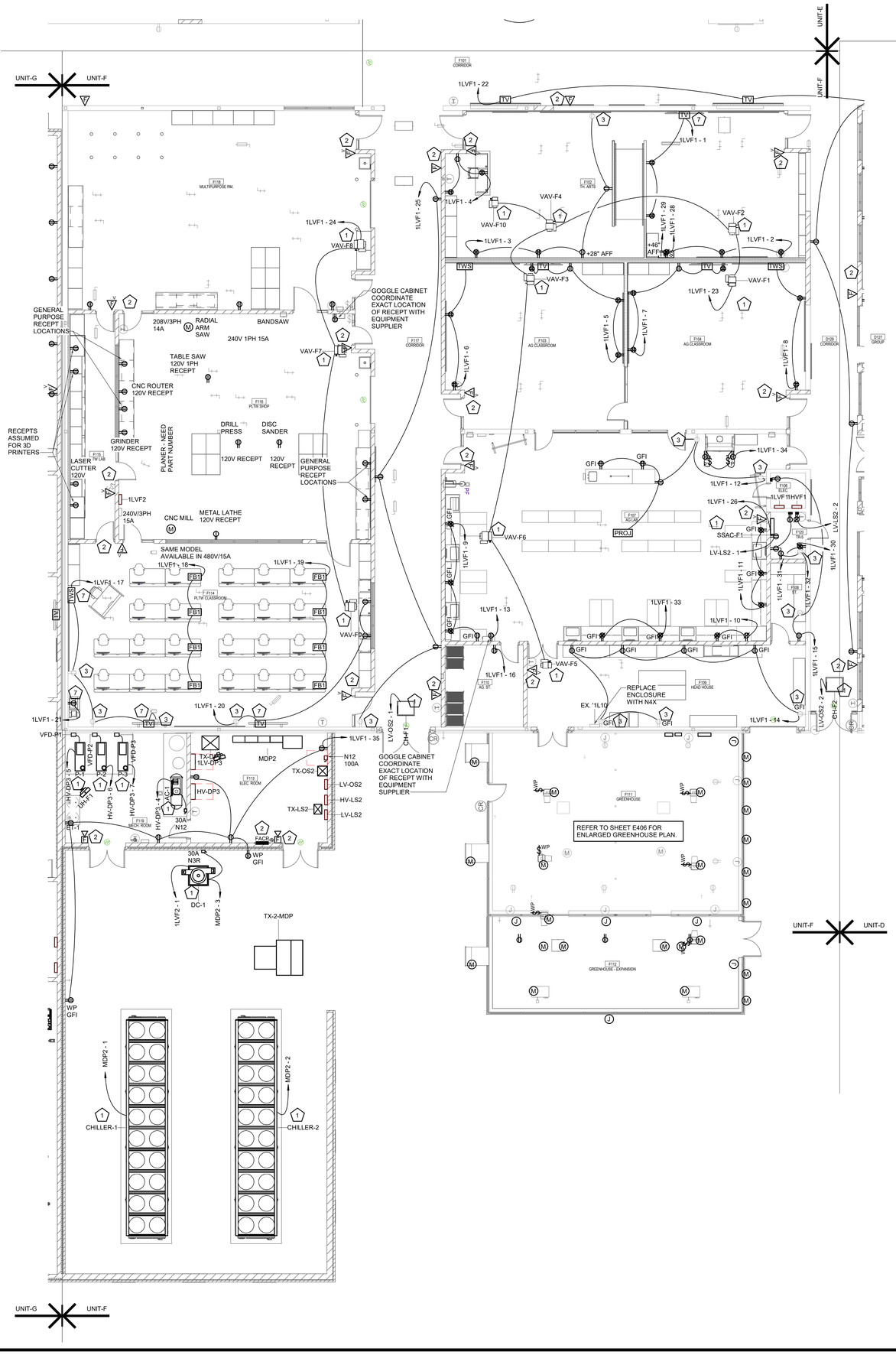

ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
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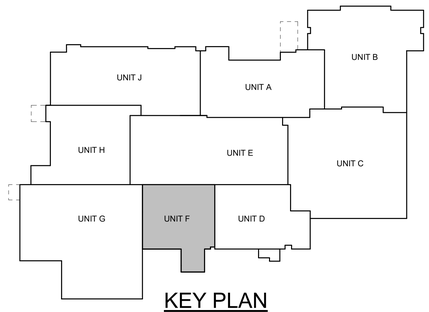

KEY PLAN

UNIT-F ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-F ELECTRICAL POWER & SYSTEMS PLAN

SHEET: **E106**
COMM #: 2265

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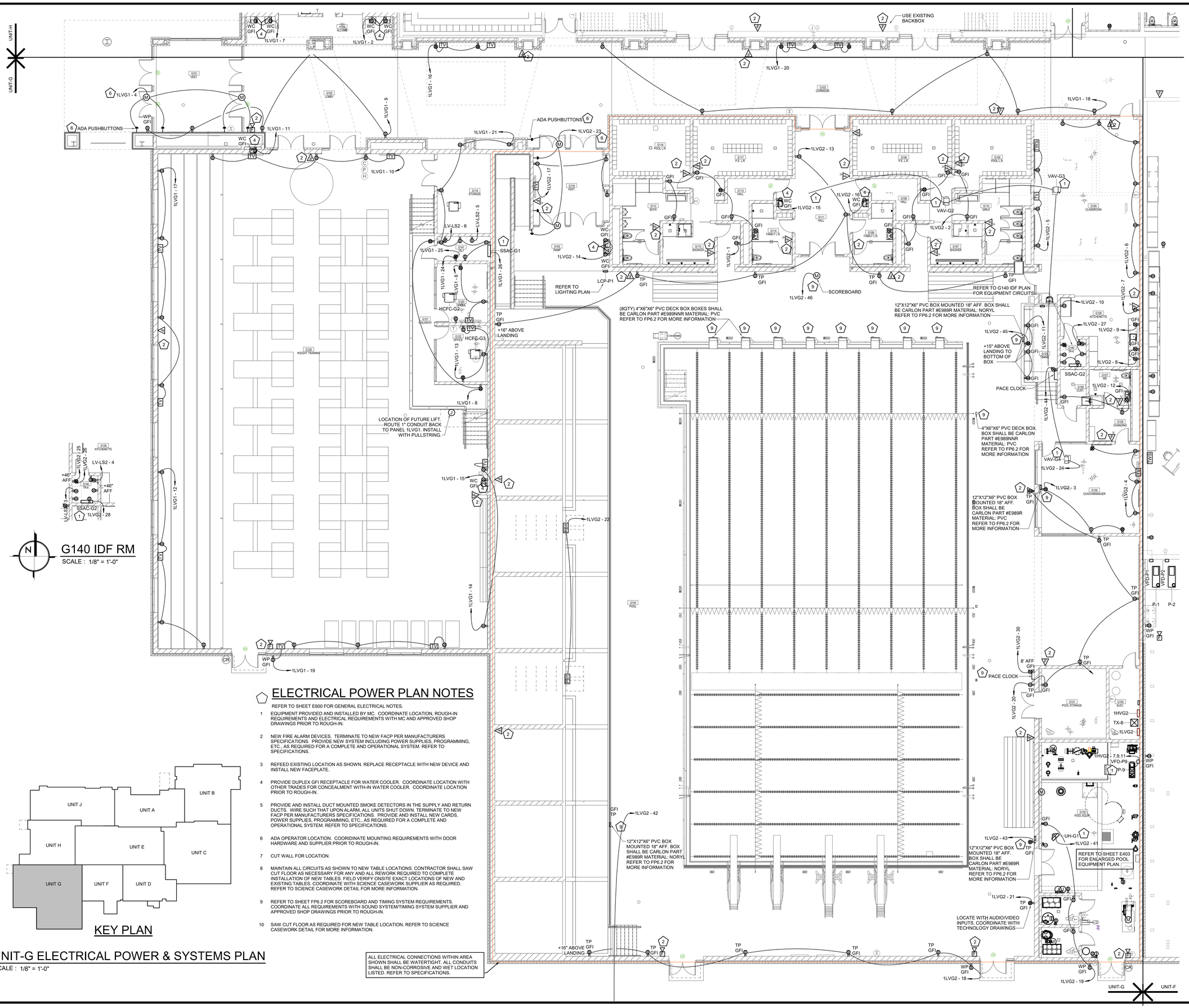

G140 IDF RM
SCALE : 1/8" = 1'-0"

ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
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KEY PLAN

UNIT-G ELECTRICAL POWER & SYSTEMS PLAN
SCALE : 1/8" = 1'-0"

ALL ELECTRICAL CONNECTIONS WITHIN AREA SHOWN SHALL BE WATERTIGHT. ALL CONDUITS SHALL BE NON-CORROSIVE AND WET LOCATION LISTED. REFER TO SPECIFICATIONS.

1/16/2024 1:45:48 PM

RYAN J. BOWLAND REGISTERED No. PE09100639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE
DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-G ELECTRICAL POWER & SYSTEMS PLAN
SHEET: E107
COMM #: 2265

ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. NEW FIRE ALARM DEVICES. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE NEW SYSTEM INCLUDING POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
3. REFEED EXISTING LOCATION AS SHOWN. REPLACE RECEPTACLE WITH NEW DEVICE AND INSTALL NEW FACEPLATE.
4. PROVIDE DUPLEX GFI RECEPTACLE FOR WATER COOLER. COORDINATE LOCATION WITH OTHER TRADES FOR CONCEALMENT WITH-IN WATER COOLER. COORDINATE LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS. WIRE SUCH THAT UPON ALARM, ALL UNITS SHUT DOWN. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE AND INSTALL NEW CARDS, POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
6. ADA OPERATOR LOCATION. COORIDINATE MOUNTING REQUIREMENTS WITH DOOR HARDWARE AND SUPPLIER PRIOR TO ROUGH-IN.
7. CUT WALL FOR LOCATION.
8. MAINTAIN ALL CIRCUITS AS SHOWN TO NEW TABLE LOCATIONS. CONTRACTOR SHALL SAW CUT FLOOR AS NECESSARY FOR ANY AND ALL REWORK REQUIRED TO COMPLETE INSTALLATION OF NEW TABLES. FIELD VERIFY ONSITE EXACT LOCATIONS OF NEW AND EXISTING TABLES. COORDINATE WITH SCIENCE CASEWORK SUPPLIER AS REQUIRED. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.
9. REFER TO SHEET FP6.2 FOR SCOREBOARD AND TIMING SYSTEM REQUIREMENTS. COORDINATE ALL REQUIREMENTS WITH SOUND SYSTEM/TIMING SYSTEM SUPPLIER AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
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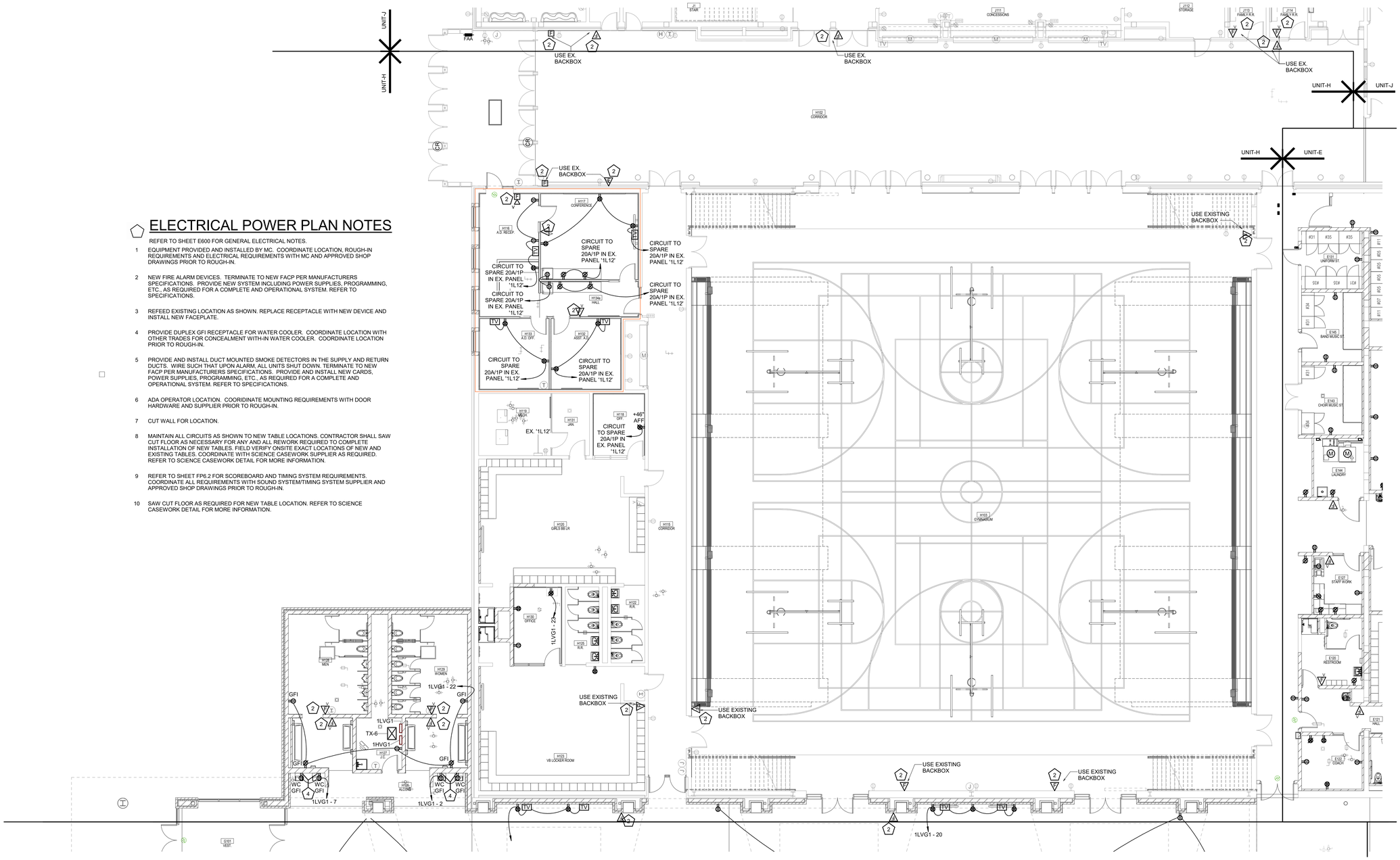

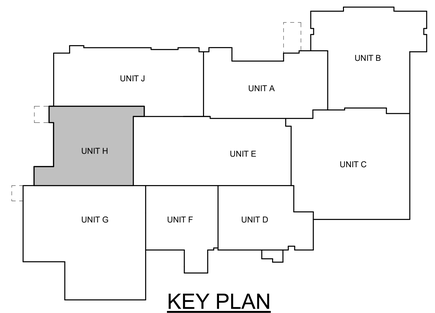

KEY PLAN

UNIT-H ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:

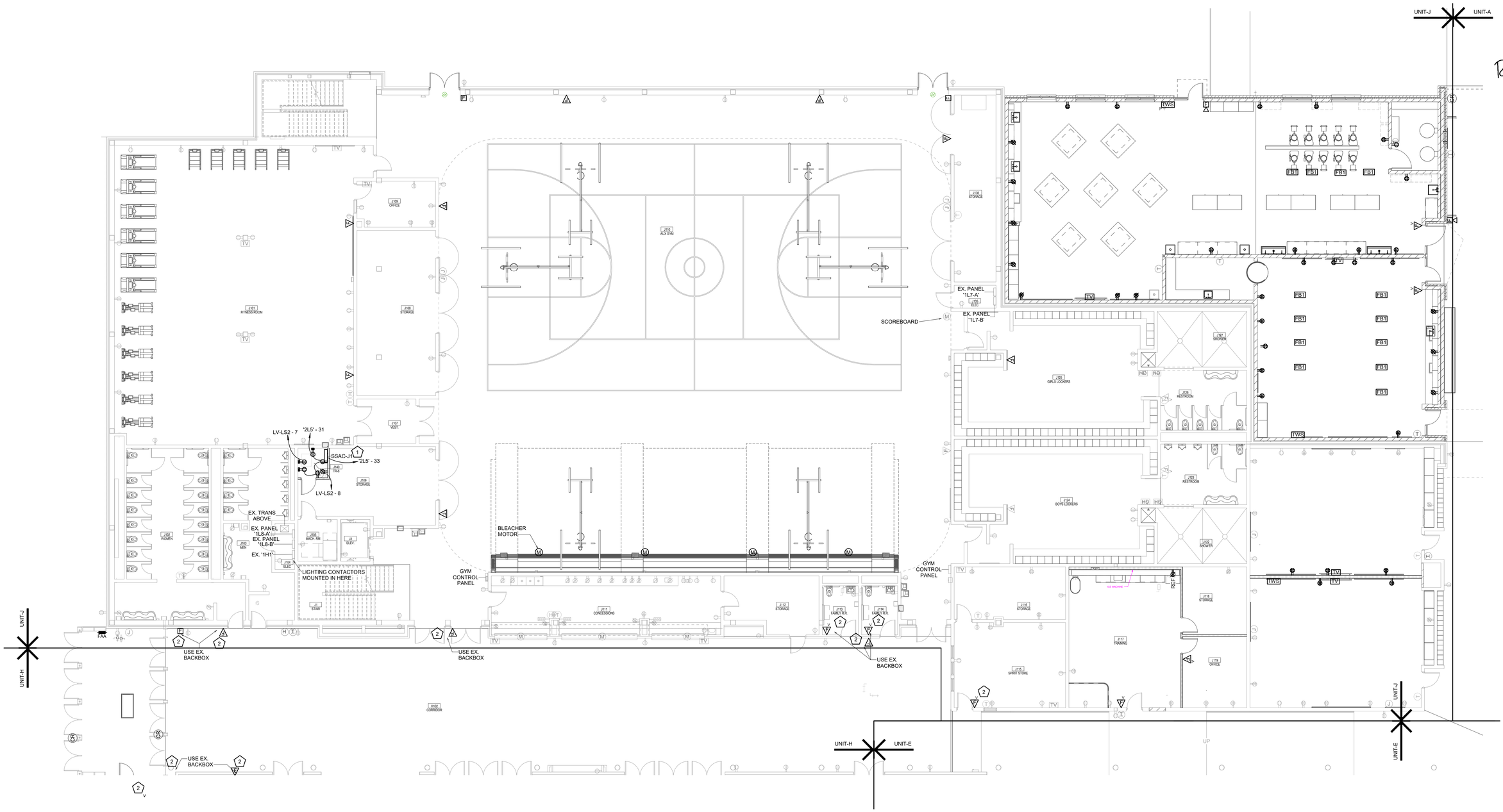
DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE	
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-H ELECTRICAL POWER & SYSTEMS PLAN
SHEET:	E108
COMM #:	2265

1/16/2024 1:55:52 PM



ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

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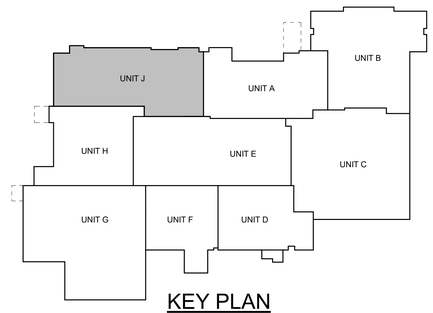

KEY PLAN

N

UNIT-J ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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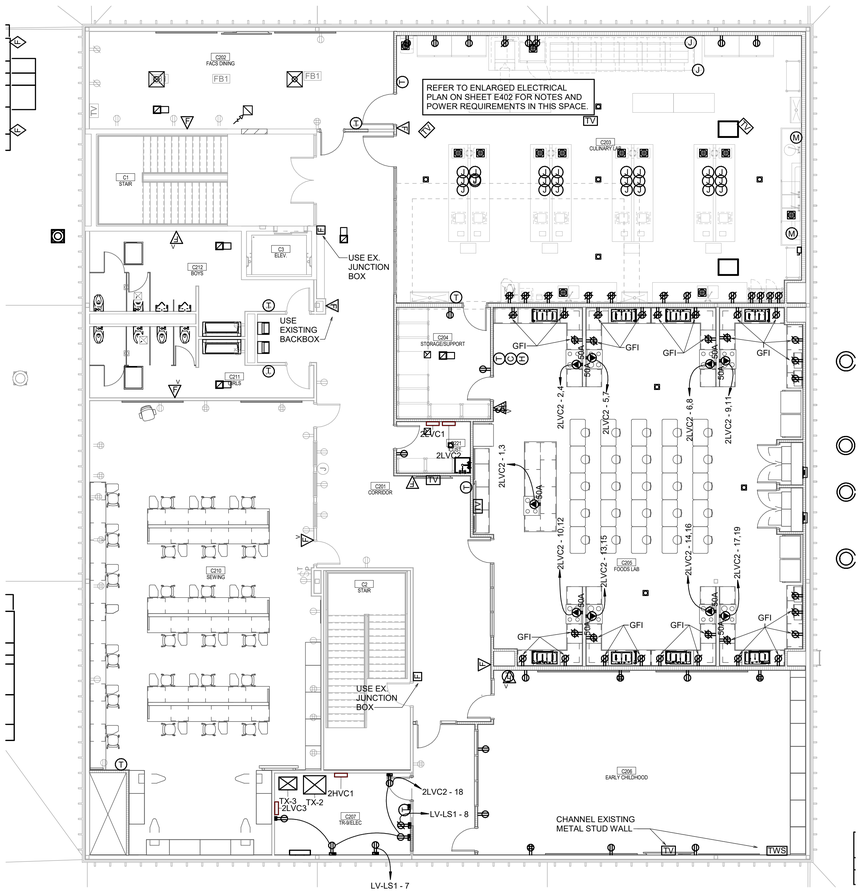
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J ELECTRICAL POWER & SYSTEMS PLAN
SHEET:	E109
COMM #:	2265

1/16/2024 1:05:54 PM



ELECTRICAL POWER PLAN NOTES

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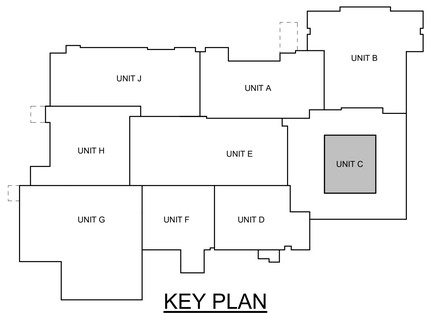

KEY PLAN

UNIT-C UPPER LEVEL ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV ARCHITECTS

BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C UPPER ELECTRICAL POWER & SYSTEMS PLAN

SHEET: **E123**

COMM #: 2265

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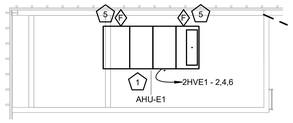
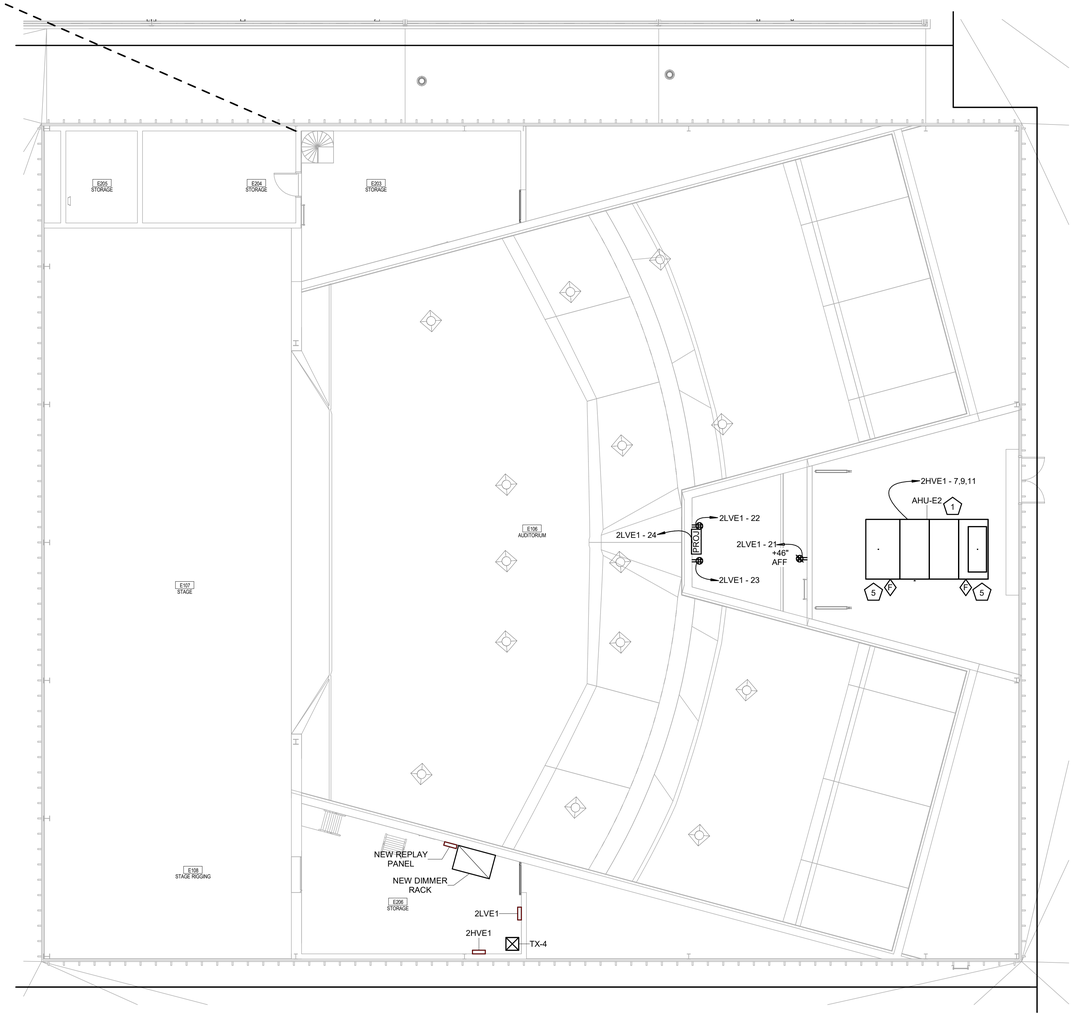


UPPER STAGE MEZZANINE
SCALE : 1/8" = 1'-0"



UNIT-E UPPER LEVEL ELECTRICAL PLAN
SCALE : 1/8" = 1'-0"

ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1 EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.

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9 REFER TO SHEET FP6.2 FOR SCOREBOARD AND TIMING SYSTEM REQUIREMENTS. COORDINATE ALL REQUIREMENTS WITH SOUND SYSTEM/TIMING SYSTEM SUPPLIER AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.

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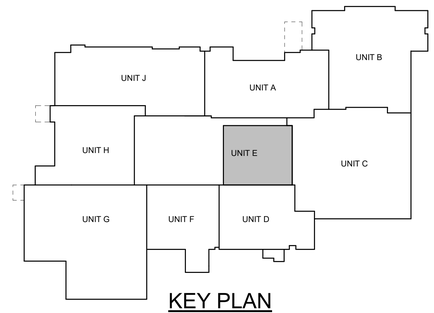

KEY PLAN

RYAN J. BOWLAND
REGISTERED
No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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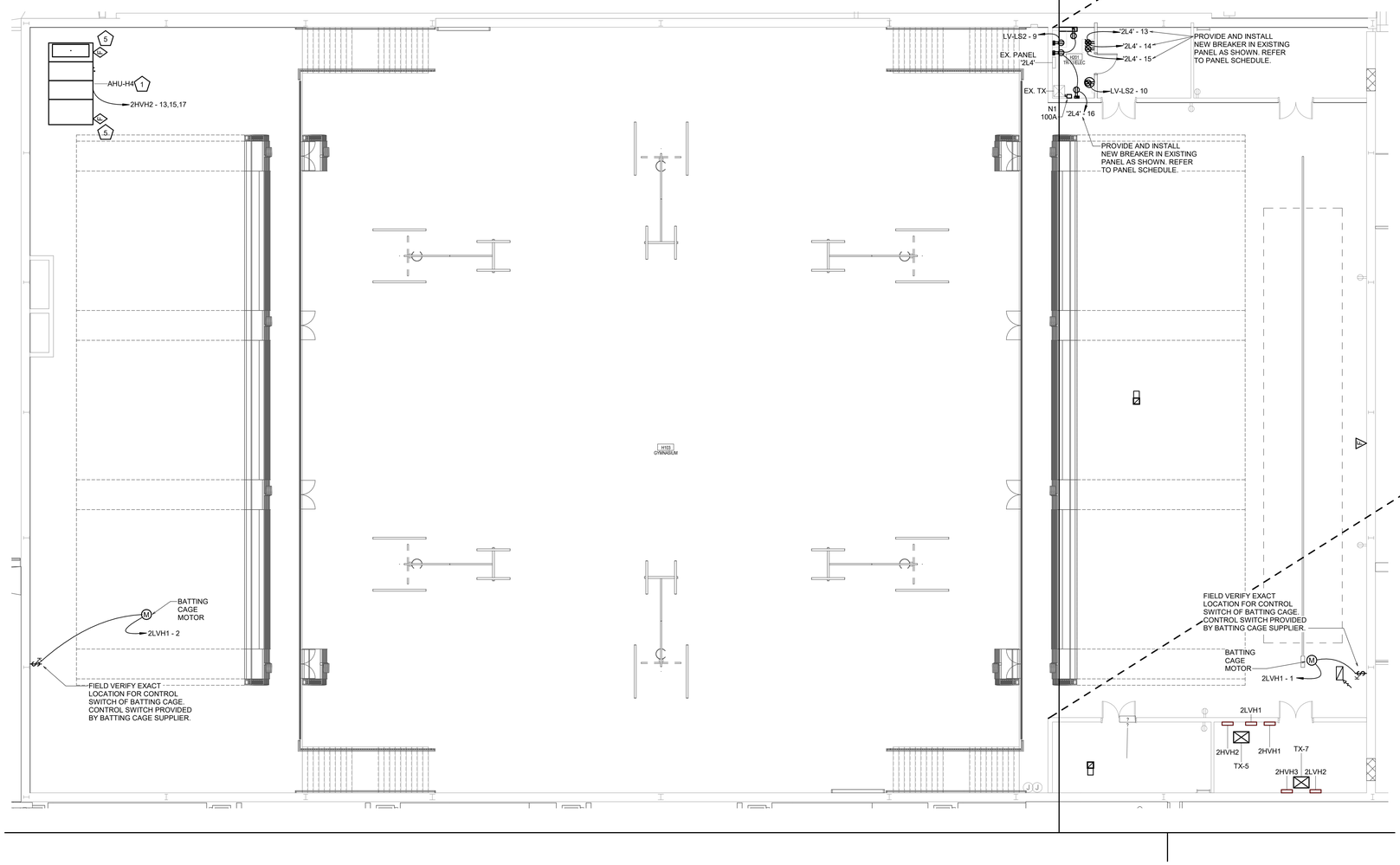
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-E UPPER ELECTRICAL POWER & SYSTEMS PLAN

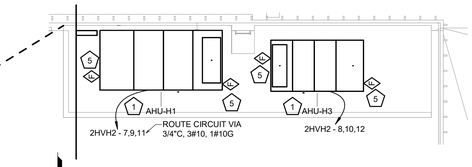
SHEET: **E125**
COMM #: 2265

1/16/2024 2:02:05 PM



UNIT-H UPPER LEVEL ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"



UPPER GYM MEZZANINE #1

SCALE : 1/8" = 1'-0"

ELECTRICAL POWER PLAN NOTES

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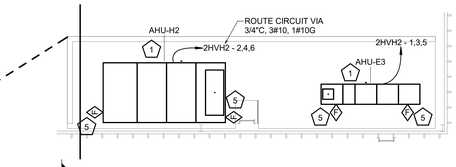
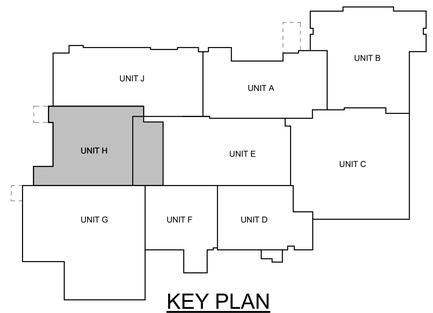


UPPER GYM MEZZANINE #2

SCALE : 1/8" = 1'-0"



KEY PLAN

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H UPPER ELECTRICAL POWER & SYSTEMS PLAN

SHEET: **E128**

COMM #: 2265

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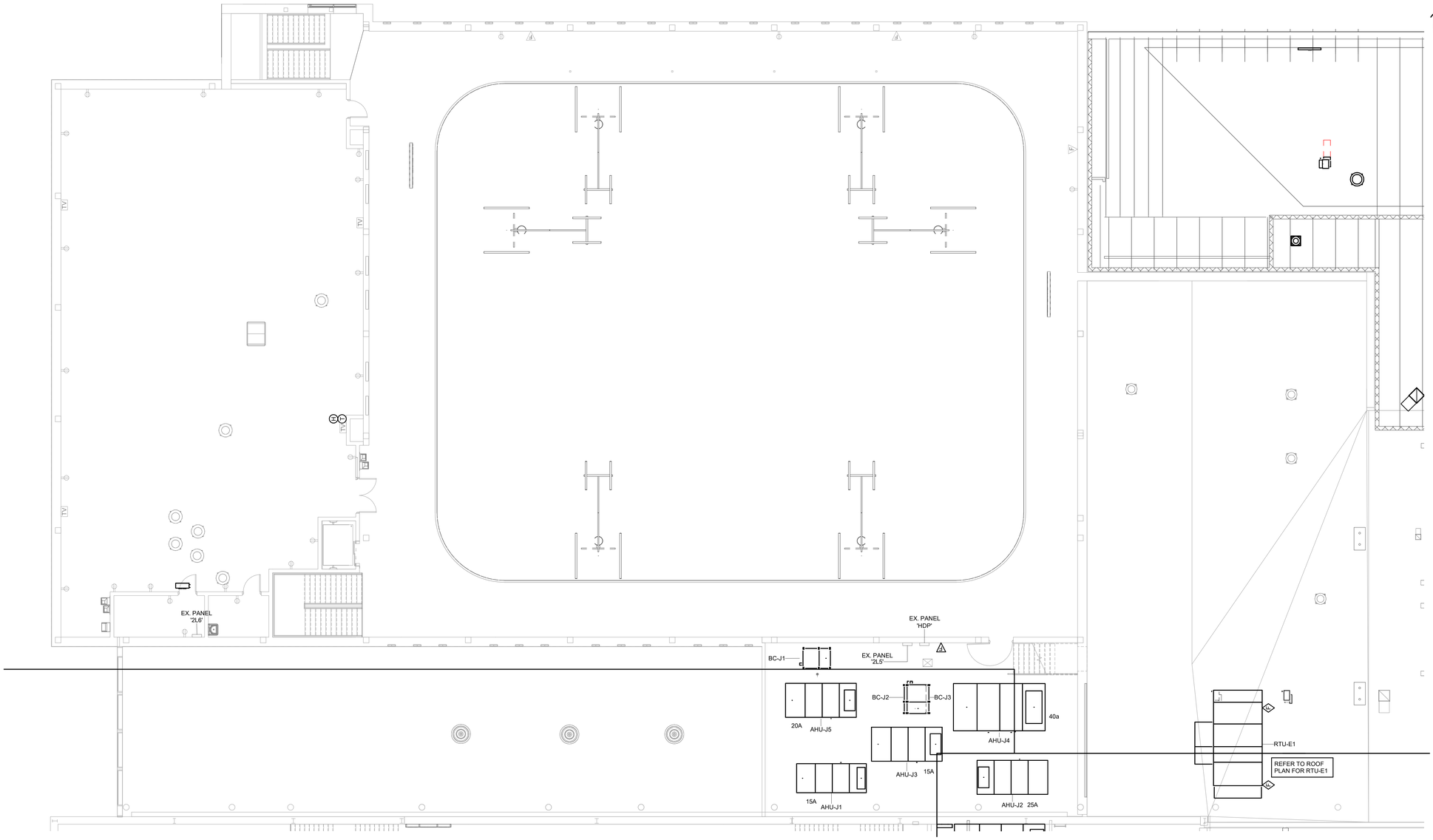

ELECTRICAL POWER PLAN NOTES

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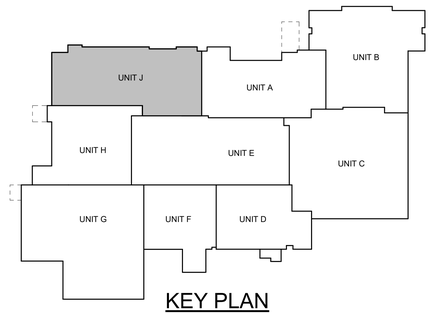

KEY PLAN

UNIT-J UPPER LEVEL ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
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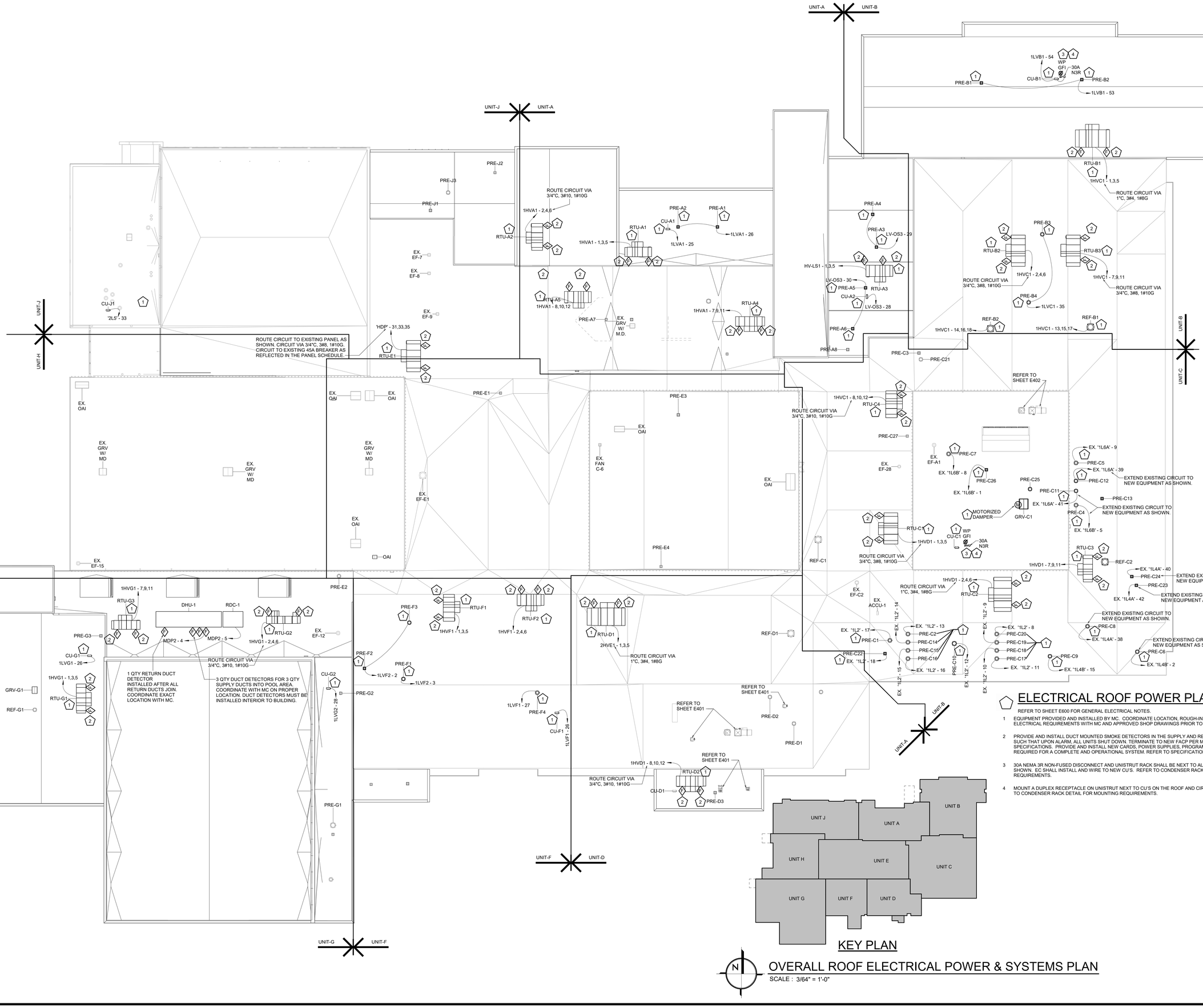
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	UNIT-J UPPER ELECTRICAL POWER & SYSTEMS PLAN
SHEET:	E129
COMM #:	2265

1/16/2024 1:05:42 PM



ELECTRICAL ROOF POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS. WIRE SUCH THAT UPON ALARM, ALL UNITS SHUT DOWN. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE AND INSTALL NEW CARDS, POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
3. 30A NEMA 3R NON-FUSED DISCONNECT AND UNISTRUT RACK SHALL BE NEXT TO ALL CU'S ON THE ROOF AS SHOWN. EC SHALL INSTALL AND WIRE TO NEW CU'S. REFER TO CONDENSER RACK DETAIL FOR MOUNTING REQUIREMENTS.
4. MOUNT A DUPLEX RECEPTACLE ON UNISTRUT NEXT TO CU'S ON THE ROOF AND CIRCUIT AS SHOWN. REFER TO CONDENSER RACK DETAIL FOR MOUNTING REQUIREMENTS.

KEY PLAN

OVERALL ROOF ELECTRICAL POWER & SYSTEMS PLAN

SCALE : 3/64" = 1'-0"

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No. PE10910639
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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ARCHITECTS & ENGINEERS

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: OVERALL ROOF ELECTRICAL POWER & SYSTEMS PLAN

SHEET: E150

COMM #: 2265

17A20924 134.13 P.lot

ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1 PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER

2 NEW FIRE ALARM SYSTEM DEVICE. TERMINATE TO NEW FIRE ALARM CONTROL PANEL PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL NECESSARY COMPONENTS INCLUDING, BUT NOT LIMITED TO, POWER SUPPLIES, PROGRAMMING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

3 CONNECT SMOKE DETECTORS TO ELEVATOR CONTROLLER SUCH THAT UPON ALARM ACTIVATION, ELEVATOR CAB TRAVELS TO PRE-PROGRAMMED FLOOR.

4 REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM.

5 MAINTAIN EXISTING LIGHTING CIRCUIT IN SPACE EXCEPT FOR NEW EMERGENCY CIRCUITS AS SHOWN. CIRCUIT ALL LIGHT FIXTURES TO NEW CONTROLS AS SHOWN.

6 CIRCUIT NEW LIGHT FIXTURES TO NEW PANEL 2HVC1. CONTRACTOR MAY USE EXISTING LIGHTING CIRCUITS IN SPACE AND PROVIDE ANY REWORK NECESSARY IN ROUTING TO NEW PANEL LOCATION. CIRCUIT TO CONTROLS AS SHOWN. EXTEND ALL CIRCUITS AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES. LIGHT FIXTURE WHIPS SHALL NOT EXCEED 6 FEET IN LENGTH.

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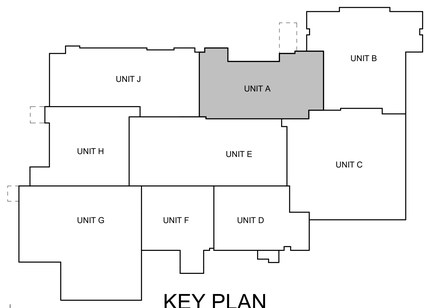

KEY PLAN

N

UNIT-A ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

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MEYER NAJEM

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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

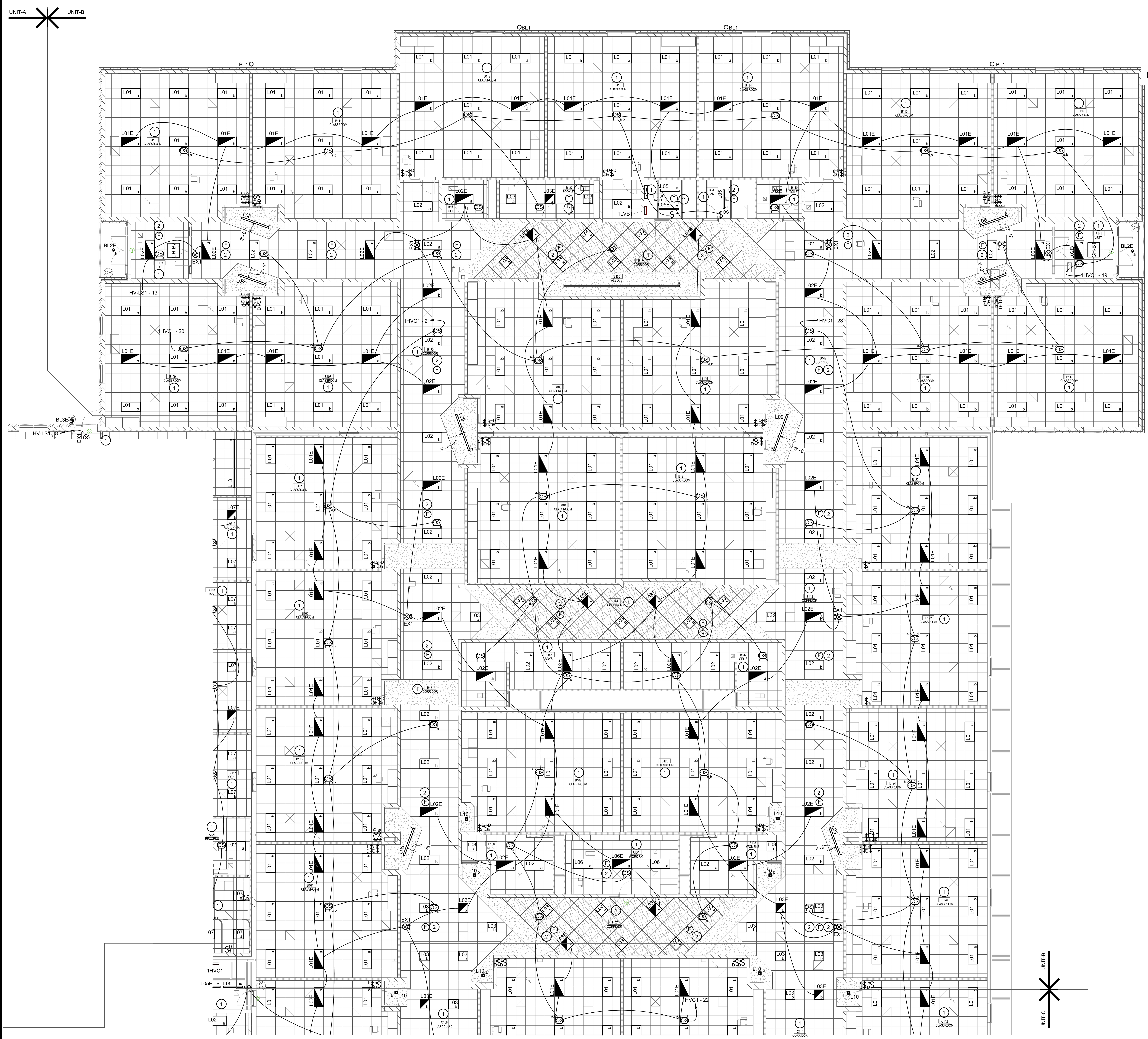
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-A ELECTRICAL LIGHTING PLAN

SHEET: **E201**

COMM #: 2265

1/16/2024 2:14:44 PM



REFER TO SHEET E203 FOR CONTINUATION OF ELECTRICAL CIRCUITS.

ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1. PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER
2. NEW FIRE ALARM SYSTEM DEVICE. TERMINATE TO NEW FIRE ALARM CONTROL PANEL PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL NECESSARY COMPONENTS INCLUDING, BUT NOT LIMITED TO, POWER SUPPLIES, PROGRAMMING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. CONNECT SMOKE DETECTORS TO ELEVATOR CONTROLLER SUCH THAT UPON ALARM ACTIVATION, ELEVATOR CAB TRAVELS TO PRE-PROGRAMMED FLOOR.
4. REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM.
5. MAINTAIN EXISTING LIGHTING CIRCUIT IN SPACE EXCEPT FOR NEW EMERGENCY CIRCUITS AS SHOWN. CIRCUIT ALL LIGHT FIXTURES TO NEW CONTROLS AS SHOWN.
6. CIRCUIT NEW LIGHT FIXTURES TO NEW PANEL 2HVC1. CONTRACTOR MAY USE EXISTING LIGHTING CIRCUITS IN SPACE AND PROVIDE ANY REWORK NECESSARY IN ROUTING TO NEW PANEL LOCATION. CIRCUIT TO CONTROLS AS SHOWN. EXTEND ALL CIRCUITS AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES. LIGHT FIXTURE WHIPS SHALL NOT EXCEED 6 FEET IN LENGTH.
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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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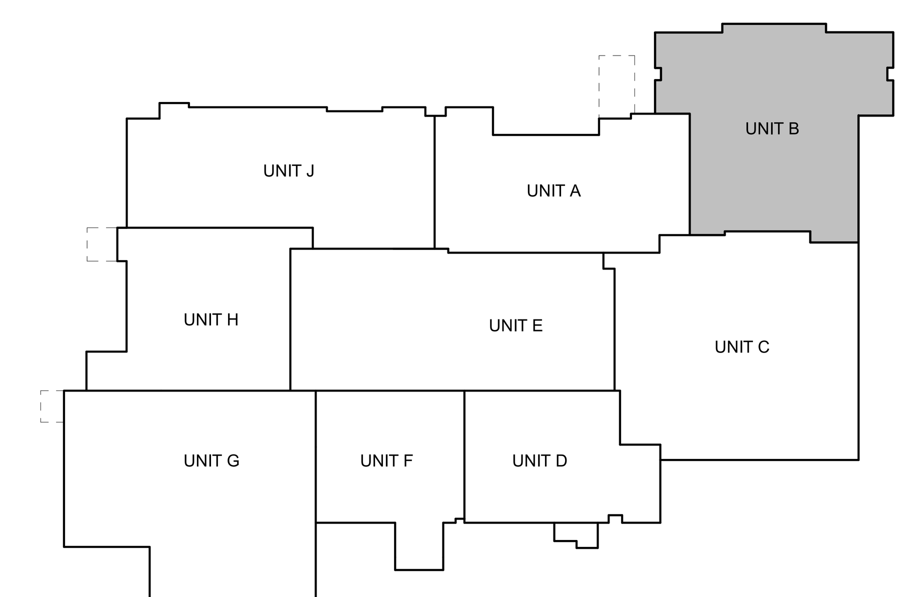
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE



KEY PLAN

UNIT-B ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

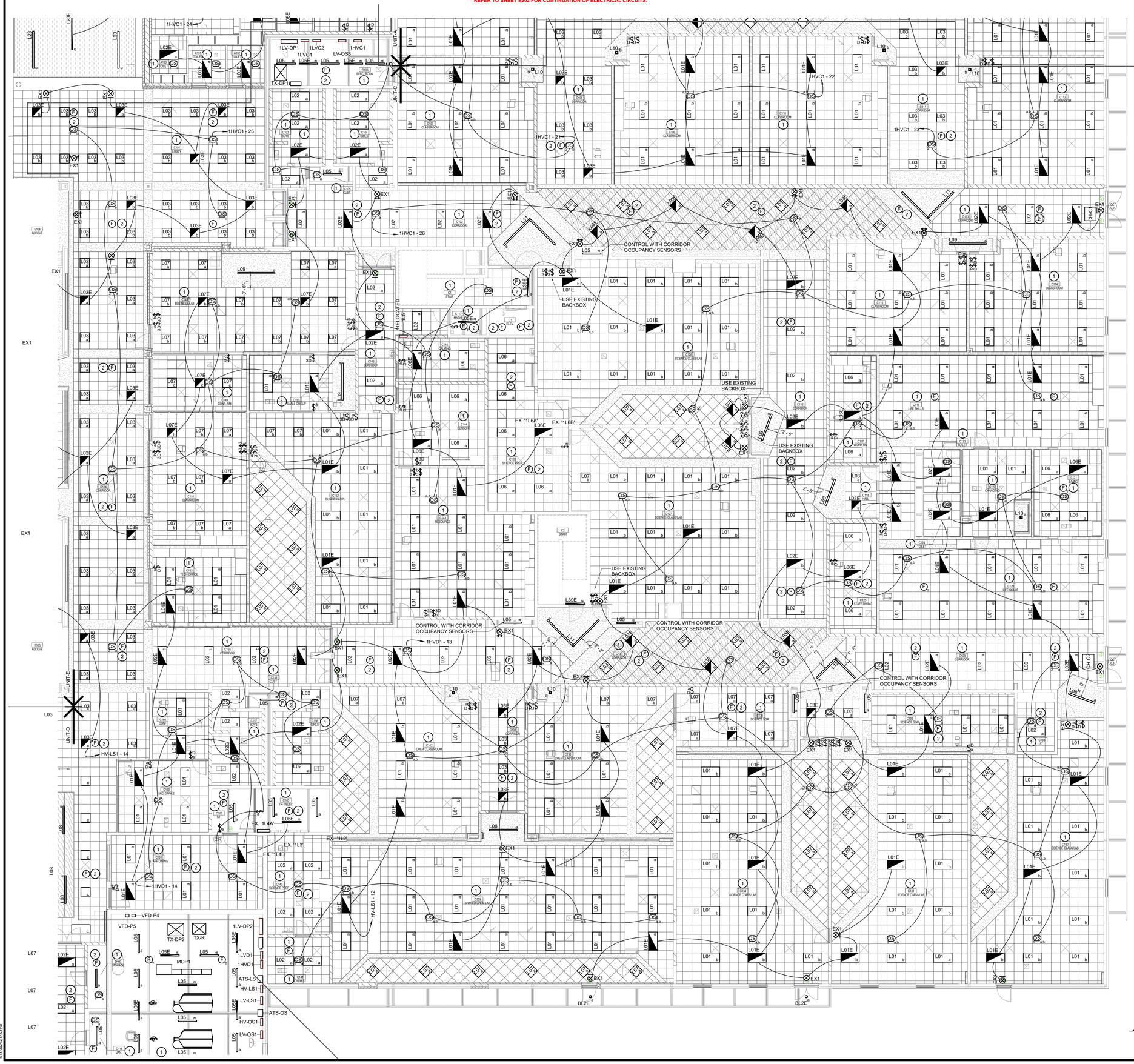
SHEET NAME: UNIT-B ELECTRICAL LIGHTING PLAN

SHEET: E202

COMM #: 2265

1/16/2024 2:16:52 PM

REFER TO SHEET E202 FOR CONTINUATION OF ELECTRICAL CIRCUITS.



ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1 PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER

2 NEW FIRE ALARM SYSTEM DEVICE. TERMINATE TO NEW FIRE ALARM CONTROL PANEL PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL NECESSARY COMPONENTS INCLUDING, BUT NOT LIMITED TO, POWER SUPPLIES, PROGRAMMING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

3 CONNECT SMOKE DETECTORS TO ELEVATOR CONTROLLER SUCH THAT UPON ALARM ACTIVATION, ELEVATOR CAB TRAVELS TO PRE-PROGRAMMED FLOOR.

4 REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM.

5 MAINTAIN EXISTING LIGHTING CIRCUIT IN SPACE EXCEPT FOR NEW EMERGENCY CIRCUITS AS SHOWN. CIRCUIT ALL LIGHT FIXTURES TO NEW CONTROLS AS SHOWN.

6 CIRCUIT NEW LIGHT FIXTURES TO NEW PANEL 2HVC1. CONTRACTOR MAY USE EXISTING LIGHTING CIRCUITS IN SPACE AND PROVIDE ANY REWORK NECESSARY IN ROUTING TO NEW PANEL LOCATION. CIRCUIT TO CONTROLS AS SHOWN. EXTEND ALL CIRCUITS AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES. LIGHT FIXTURE WHIPS SHALL NOT EXCEED 6 FEET IN LENGTH.

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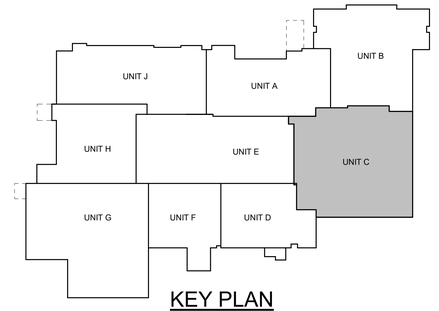

KEY PLAN

UNIT-C ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
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No. PE10910439
STATE OF INDIANA
PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C ELECTRICAL LIGHTING PLAN

SHEET: E203

COMM #: 2265

1/16/2024 2:17:03 PM

ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1. PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER
2. NEW FIRE ALARM SYSTEM DEVICE. TERMINATE TO NEW FIRE ALARM CONTROL PANEL PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL NECESSARY COMPONENTS INCLUDING, BUT NOT LIMITED TO, POWER SUPPLIES, PROGRAMMING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
3. CONNECT SMOKE DETECTORS TO ELEVATOR CONTROLLER SUCH THAT UPON ALARM ACTIVATION, ELEVATOR CAB TRAVELS TO PRE-PROGRAMMED FLOOR.
4. REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM.
5. MAINTAIN EXISTING LIGHTING CIRCUIT IN SPACE EXCEPT FOR NEW EMERGENCY CIRCUITS AS SHOWN. CIRCUIT ALL LIGHT FIXTURES TO NEW CONTROLS AS SHOWN.
6. CIRCUIT NEW LIGHT FIXTURES TO NEW PANEL 2HVC1. CONTRACTOR MAY USE EXISTING LIGHTING CIRCUITS IN SPACE AND PROVIDE ANY REWORK NECESSARY IN ROUTING TO NEW PANEL LOCATION. CIRCUIT TO CONTROLS AS SHOWN. EXTEND ALL CIRCUITS AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES. LIGHT FIXTURE WHIPS SHALL NOT EXCEED 6 FEET IN LENGTH.
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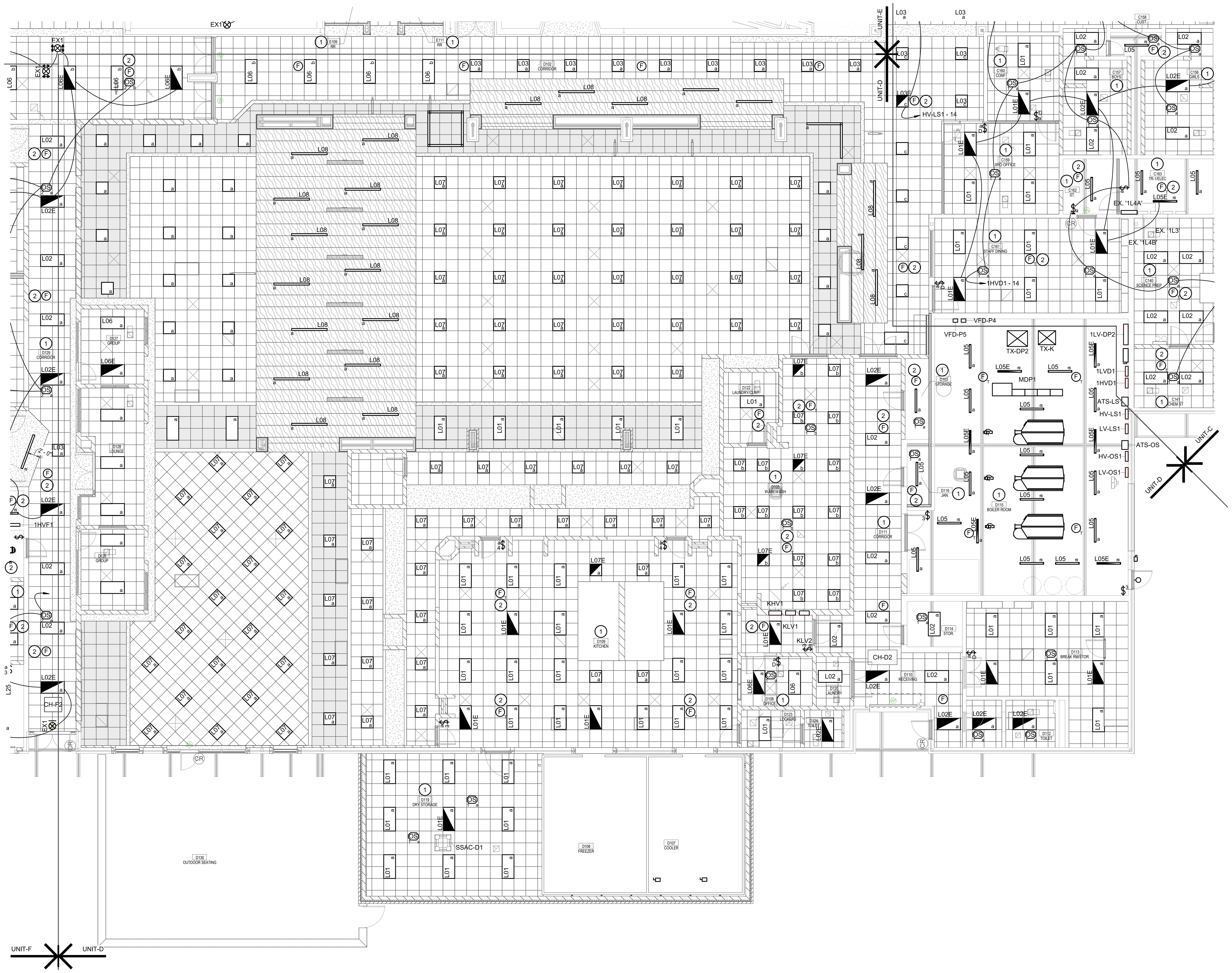

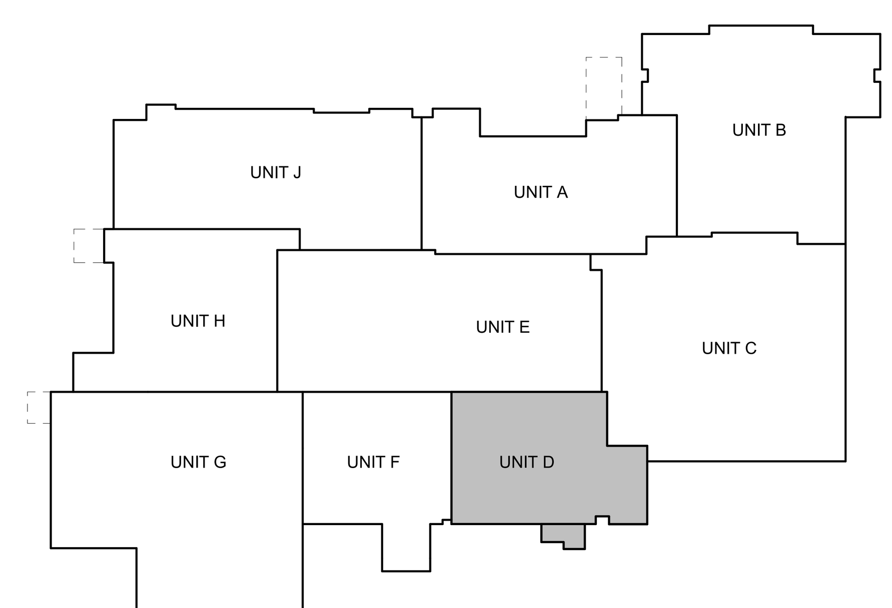

KEY PLAN

UNIT-D ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-D ELECTRICAL LIGHTING PLAN

SHEET: E204

COMM #: 2265

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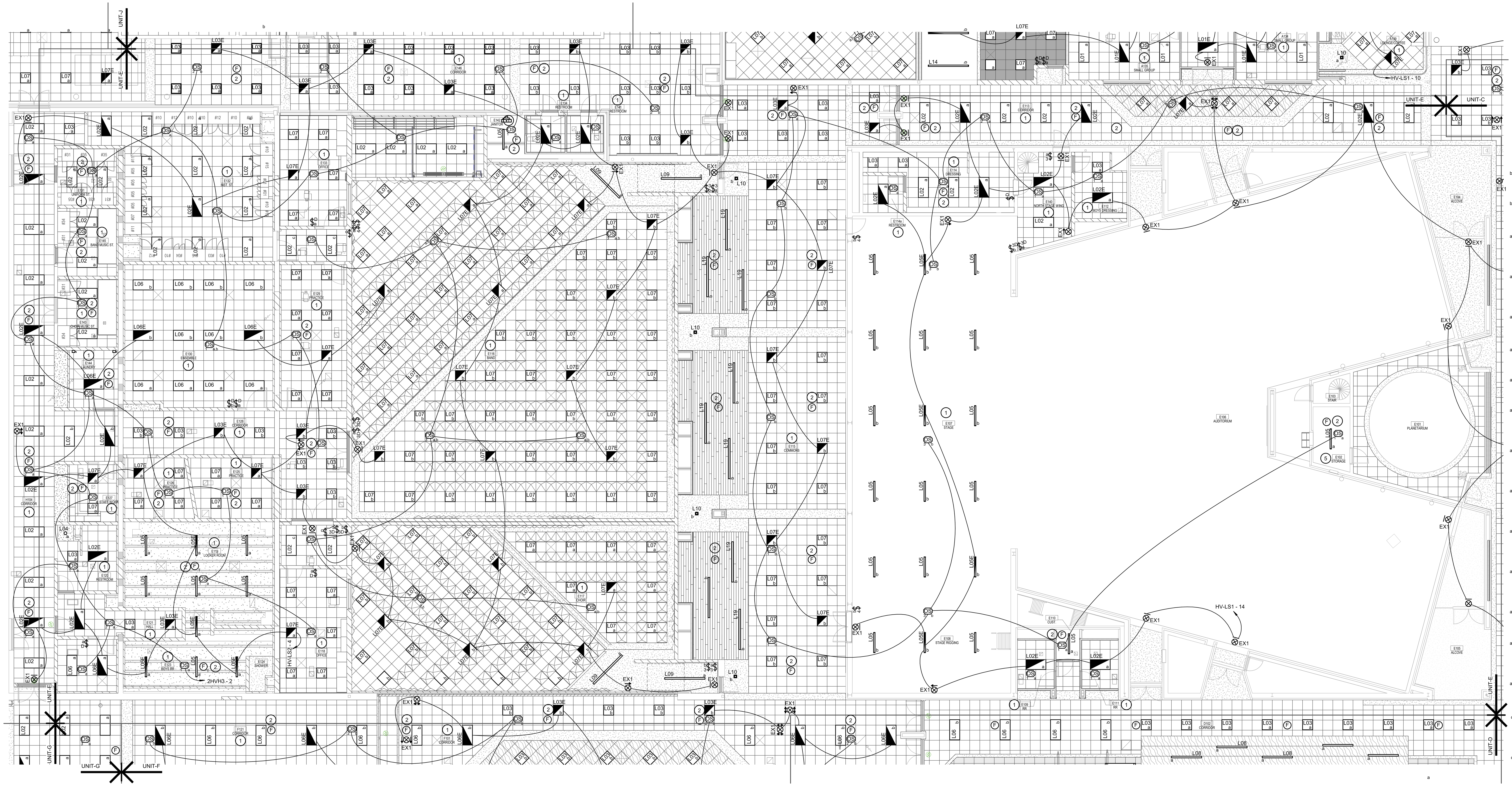

ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1 PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER

2 NEW FIRE ALARM SYSTEM DEVICE. TERMINATE TO NEW FIRE ALARM CONTROL PANEL PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL NECESSARY COMPONENTS INCLUDING, BUT NOT LIMITED TO, POWER SUPPLIES, PROGRAMMING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

3 CONNECT SMOKE DETECTORS TO ELEVATOR CONTROLLER SUCH THAT UPON ALARM ACTIVATION, ELEVATOR CAB TRAVELS TO PRE-PROGRAMMED FLOOR.

4 REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM.

5 MAINTAIN EXISTING LIGHTING CIRCUIT IN SPACE EXCEPT FOR NEW EMERGENCY CIRCUITS AS SHOWN. CIRCUIT ALL LIGHT FIXTURES TO NEW CONTROLS AS SHOWN.

6 CIRCUIT NEW LIGHT FIXTURES TO NEW PANEL 2HVC1. CONTRACTOR MAY USE EXISTING LIGHTING CIRCUITS IN SPACE AND PROVIDE ANY REWORK NECESSARY IN ROUTING TO NEW PANEL LOCATION. CIRCUIT TO CONTROLS AS SHOWN. EXTEND ALL CIRCUITS AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES. LIGHT FIXTURE WHIPS SHALL NOT EXCEED 6 FEET IN LENGTH.

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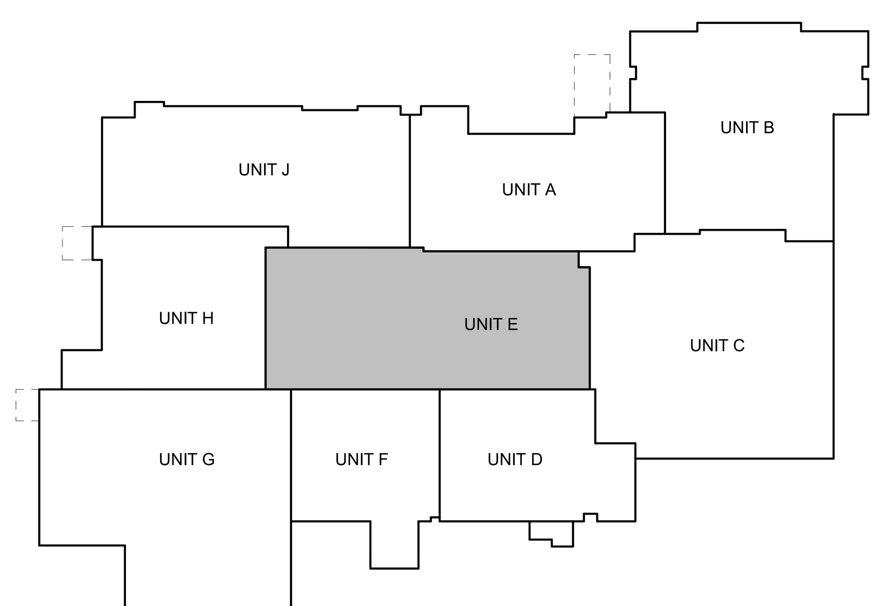

KEY PLAN

UNIT-E ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

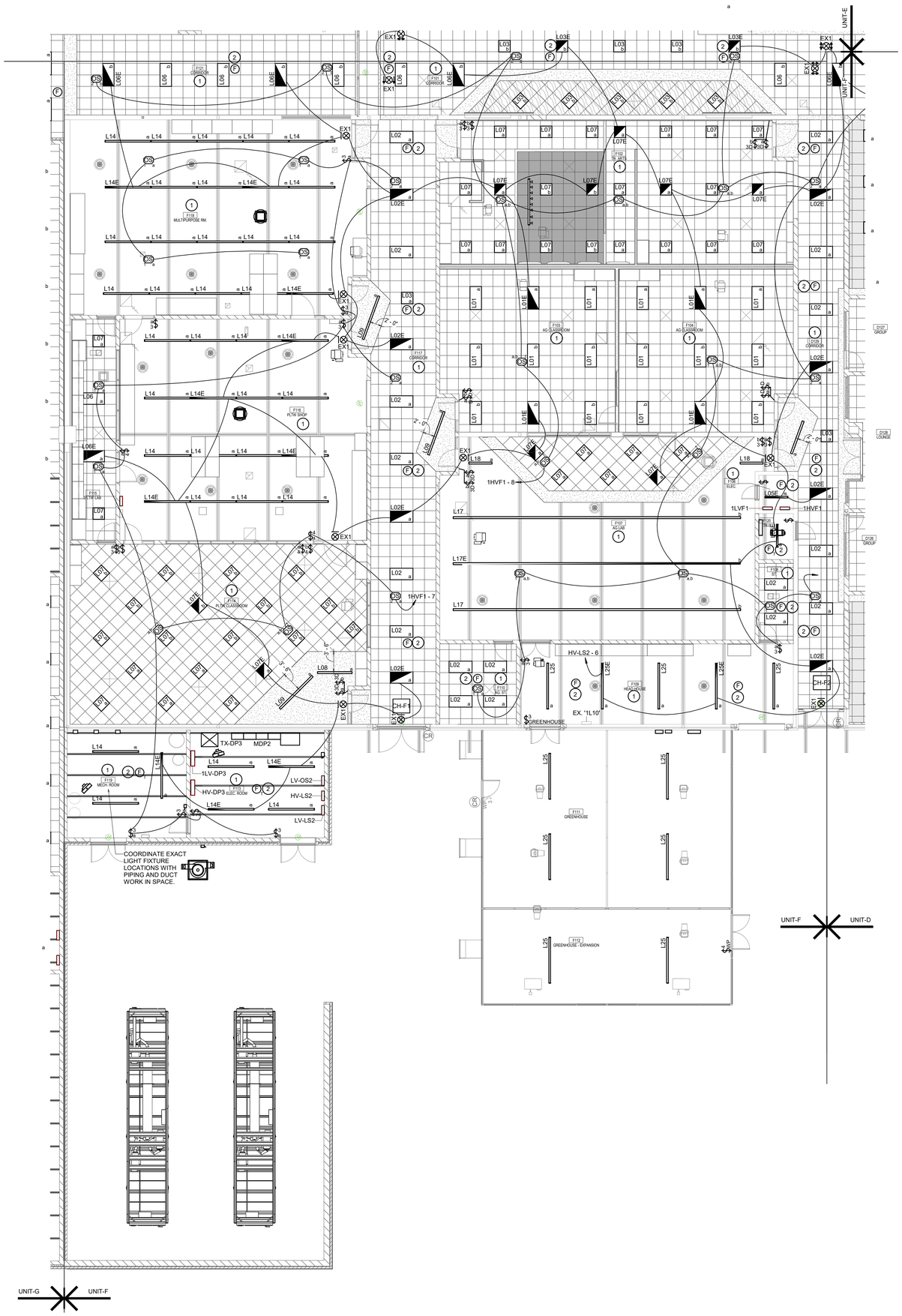
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E ELECTRICAL LIGHTING PLAN

SHEET: E205

COMM #: 2265

1/16/2024 2:17:21 PM



ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1 PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER

2 NEW FIRE ALARM SYSTEM DEVICE. TERMINATE TO NEW FIRE ALARM CONTROL PANEL PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL NECESSARY COMPONENTS INCLUDING, BUT NOT LIMITED TO, POWER SUPPLIES, PROGRAMMING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

3 CONNECT SMOKE DETECTORS TO ELEVATOR CONTROLLER SUCH THAT UPON ALARM ACTIVATION, ELEVATOR CAB TRAVELS TO PRE-PROGRAMMED FLOOR.

4 REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM.

5 MAINTAIN EXISTING LIGHTING CIRCUIT IN SPACE EXCEPT FOR NEW EMERGENCY CIRCUITS AS SHOWN. CIRCUIT ALL LIGHT FIXTURES TO NEW CONTROLS AS SHOWN.

6 CIRCUIT NEW LIGHT FIXTURES TO NEW PANEL 2HVC1. CONTRACTOR MAY USE EXISTING LIGHTING CIRCUITS IN SPACE AND PROVIDE ANY REWORK NECESSARY IN ROUTING TO NEW PANEL LOCATION. CIRCUIT TO CONTROLS AS SHOWN. EXTEND ALL CIRCUITS AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES. LIGHT FIXTURE WHIPS SHALL NOT EXCEED 6 FEET IN LENGTH.

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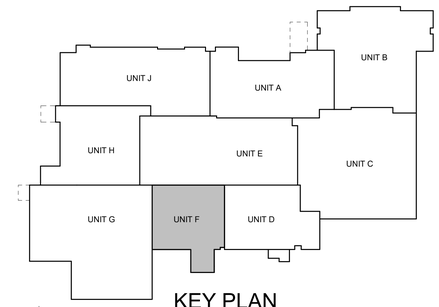

KEY PLAN

UNIT-F ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

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MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-F ELECTRICAL LIGHTING PLAN

SHEET: **E206**

COMM #: 2265

ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1 PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER

2 NEW FIRE ALARM SYSTEM DEVICE. TERMINATE TO NEW FIRE ALARM CONTROL PANEL PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ALL NECESSARY COMPONENTS INCLUDING, BUT NOT LIMITED TO, POWER SUPPLIES, PROGRAMMING, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

3 CONNECT SMOKE DETECTORS TO ELEVATOR CONTROLLER SUCH THAT UPON ALARM ACTIVATION, ELEVATOR CAB TRAVELS TO PRE-PROGRAMMED FLOOR.

4 REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM.

5 MAINTAIN EXISTING LIGHTING CIRCUIT IN SPACE EXCEPT FOR NEW EMERGENCY CIRCUITS AS SHOWN. CIRCUIT ALL LIGHT FIXTURES TO NEW CONTROLS AS SHOWN.

6 CIRCUIT NEW LIGHT FIXTURES TO NEW PANEL 2HVC1. CONTRACTOR MAY USE EXISTING LIGHTING CIRCUITS IN SPACE AND PROVIDE ANY REWORK NECESSARY IN ROUTING TO NEW PANEL LOCATION. CIRCUIT TO CONTROLS AS SHOWN. EXTEND ALL CIRCUITS AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES. LIGHT FIXTURE WHIPS SHALL NOT EXCEED 6 FEET IN LENGTH.

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LCP-P1

LCP-P2 MOUNTED 44" ABOVE LANDING. REFER TO DETAIL ON E504 FOR POOL LIGHTING CONTROL.

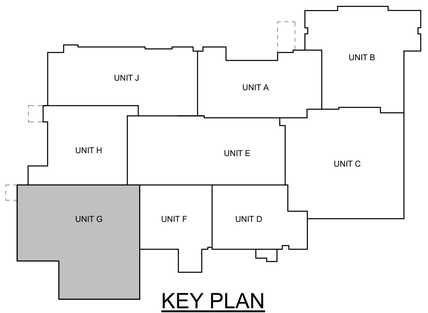
REFER TO DETAIL ON E504 FOR POOL LIGHTING CONTROL

APPROXIMATE FOOTPRINT OF POOL SHOWN. REFER TO ENTIRE SET OF PLANS FOR EXACT POOL DIMENSIONS AND LOCATION.

MOUNT L24 AND L24E FIXTURES AT 27' AFF. COORDINATE EXACT LOCATION AND PLACEMENT OF LIGHT FIXTURES WITH ALL OTHER TRADES.

OCCUPANCY SENSORS IN POOL ENVIRONMENT SHALL BE WET LOCATION LISTED.

ALL ELECTRICAL CONNECTIONS WITHIN AREA SHALL BE WATERTIGHT. ALL CONDUITS SHALL BE NON-CORROSIVE AND WET LOCATION LISTED. REFER TO SPECIFICATIONS.



KEY PLAN

UNIT-G ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND
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No. PE10910639
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DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-G ELECTRICAL LIGHTING PLAN

SHEET: **E207**

COMM #: 2265

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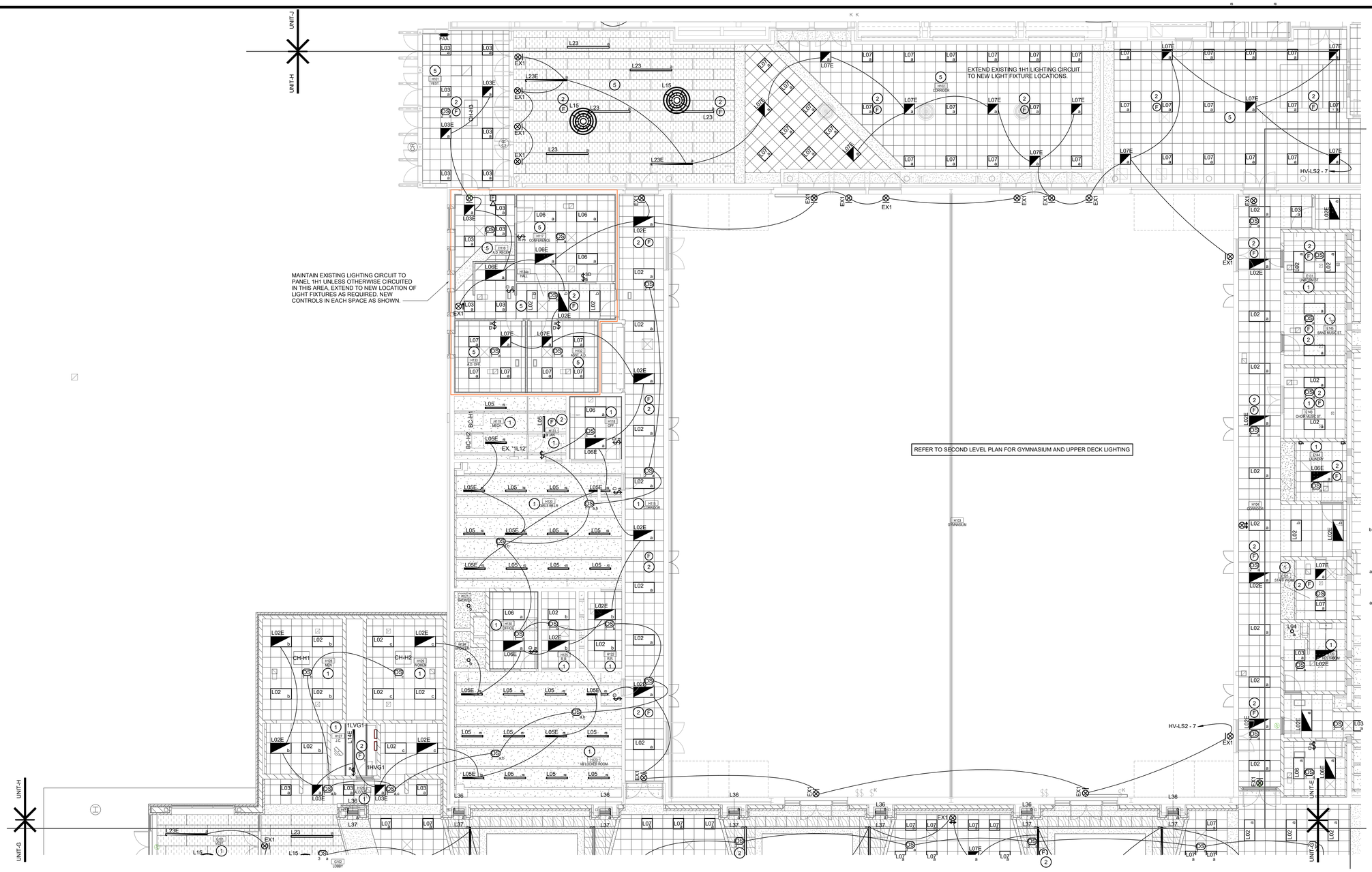

ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

1 PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER

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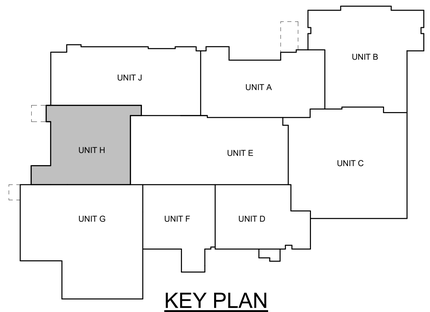

KEY PLAN

UNIT-H ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

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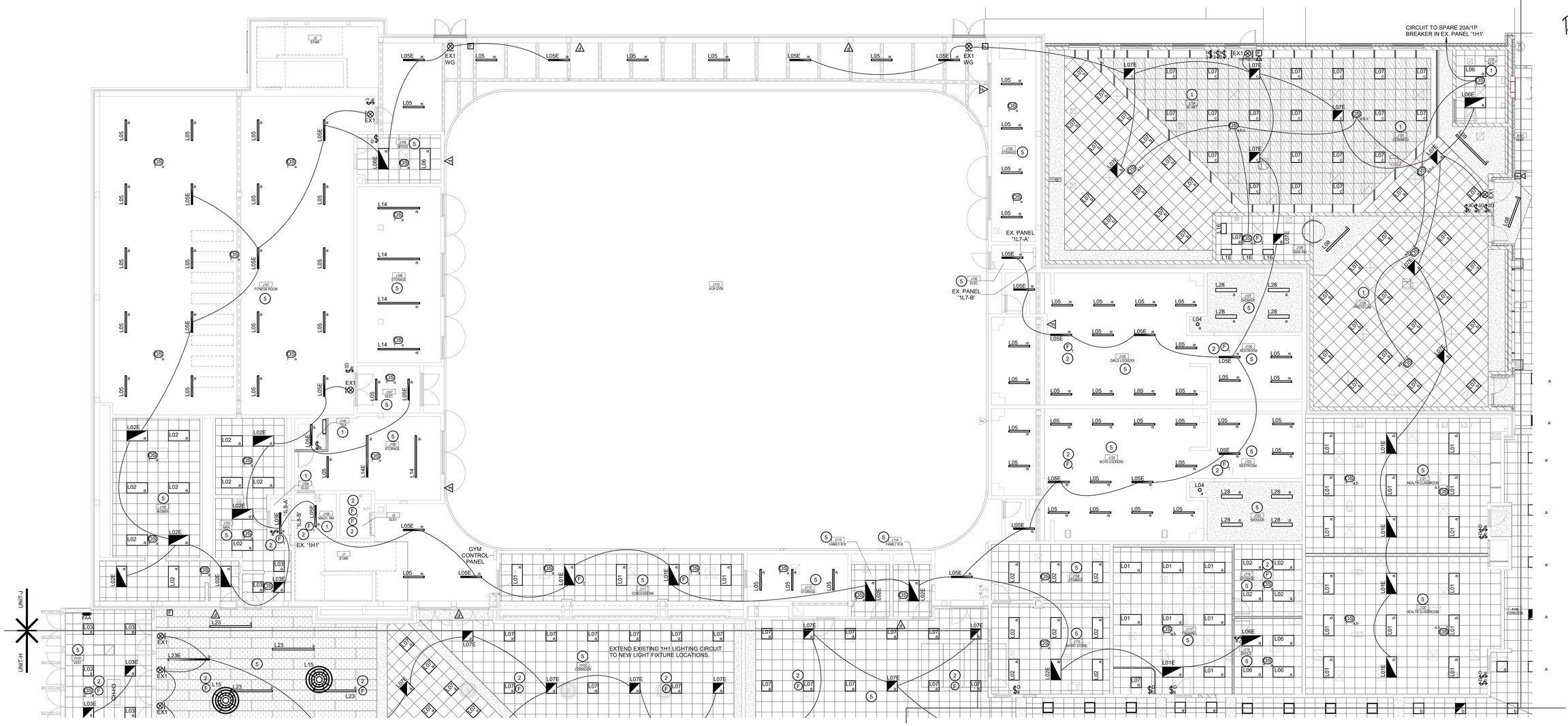
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: UNIT-H ELECTRICAL LIGHTING PLAN
SHEET: E208
COMM #: 2265

1/16/2024 2:17:31 PM



ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

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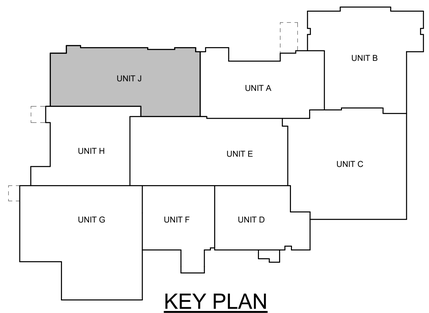

KEY PLAN

N

UNIT-J ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

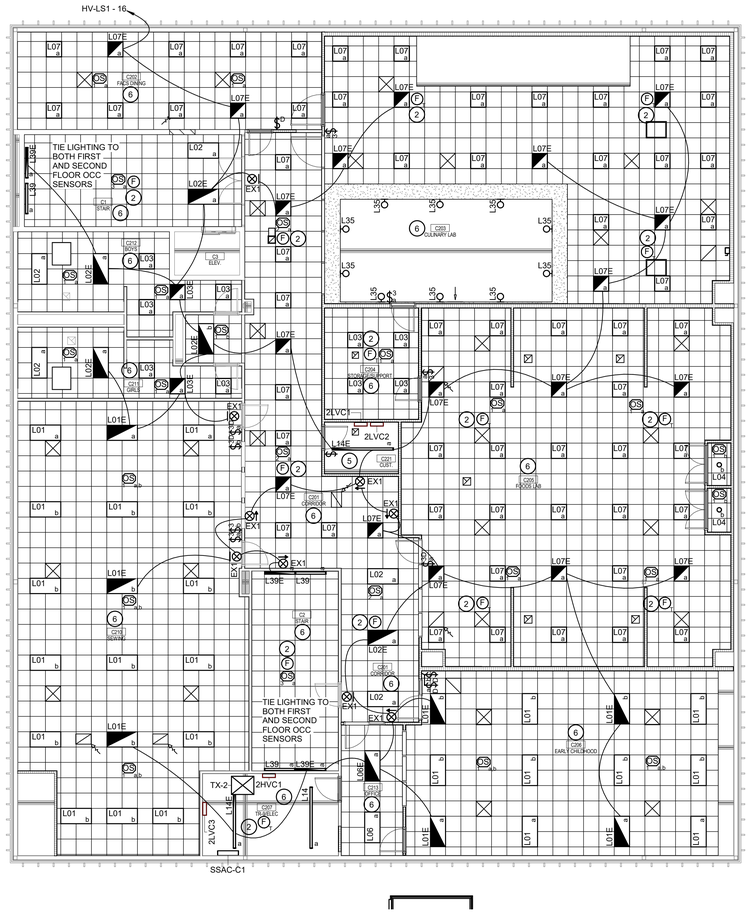
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J ELECTRICAL LIGHTING PLAN

SHEET: **E209**

COMM #: 2265

1/16/2024 2:17:35 PM



ELECTRICAL LIGHTING PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND LIGHT FIXTURE SCHEDULE.

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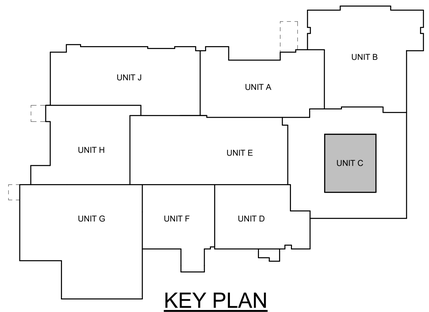

KEY PLAN

N

UNIT-C UPPER LEVEL ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-C UPPER ELECTRICAL LIGHTING PLAN

SHEET: E223

COMM #: 2265

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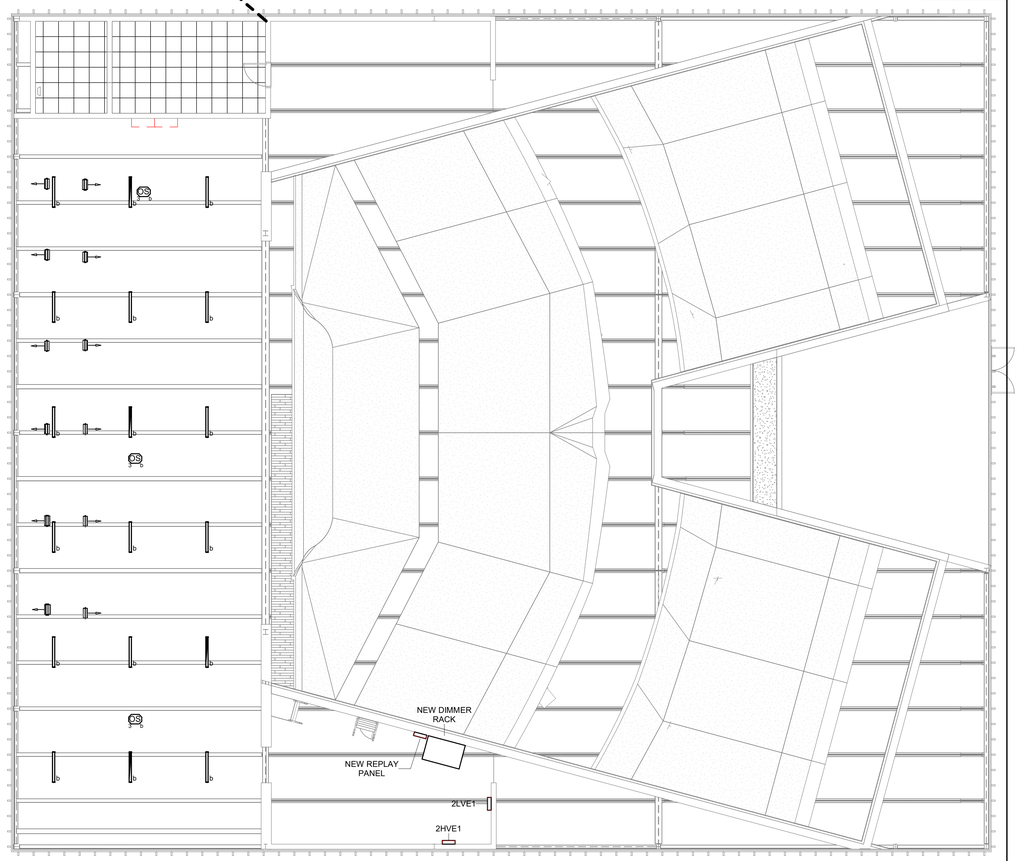
UPPER MEZZANINE ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"



ELECTRICAL LIGHTING PLAN NOTES

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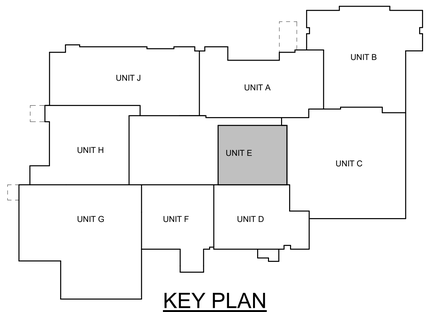

KEY PLAN

UNIT-E UPPER ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910439 STATE OF INDIANA PROFESSIONAL ENGINEER

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

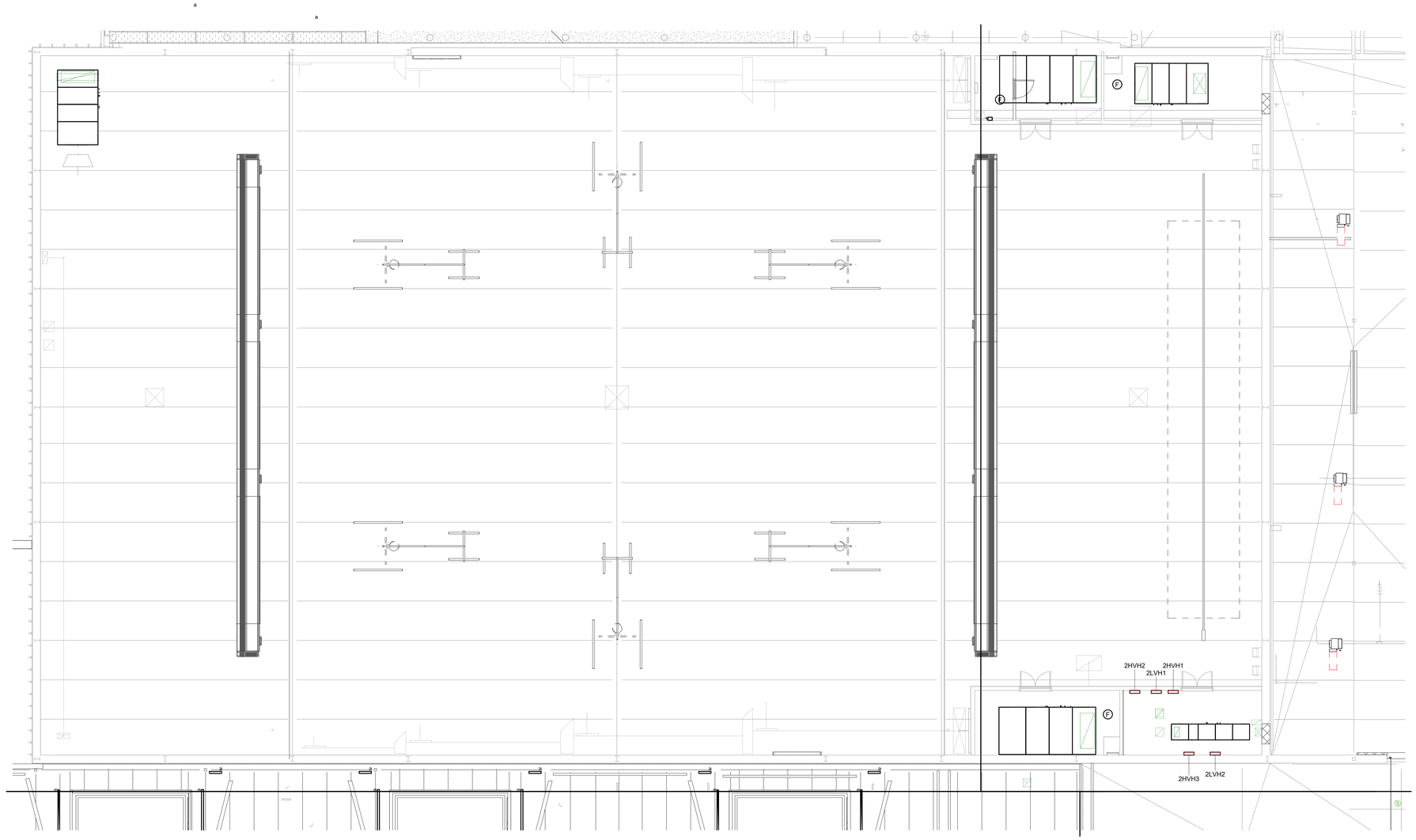
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-E UPPER ELECTRICAL LIGHTING PLAN

SHEET: E225

COMM #: 2265

1/16/2024 2:17:39 PM



ELECTRICAL LIGHTING PLAN NOTES

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1 PROVIDE AND INSTALL NEW LIGHT FIXTURES AS SHOWN. WIRE TO ROOM LIGHT SWITCH(ES) AND/OR OCCUPANCY SENSORS. COORDINATE OCCUPANCY SENSOR TIME DELAYS WITH OWNER

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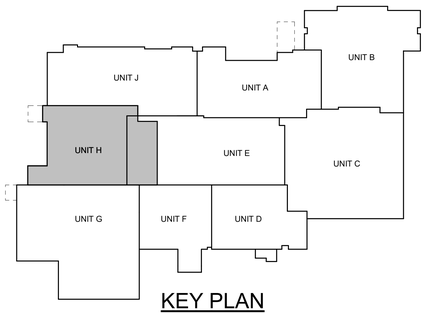

KEY PLAN

N

UNIT-H UPPER LEVEL ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

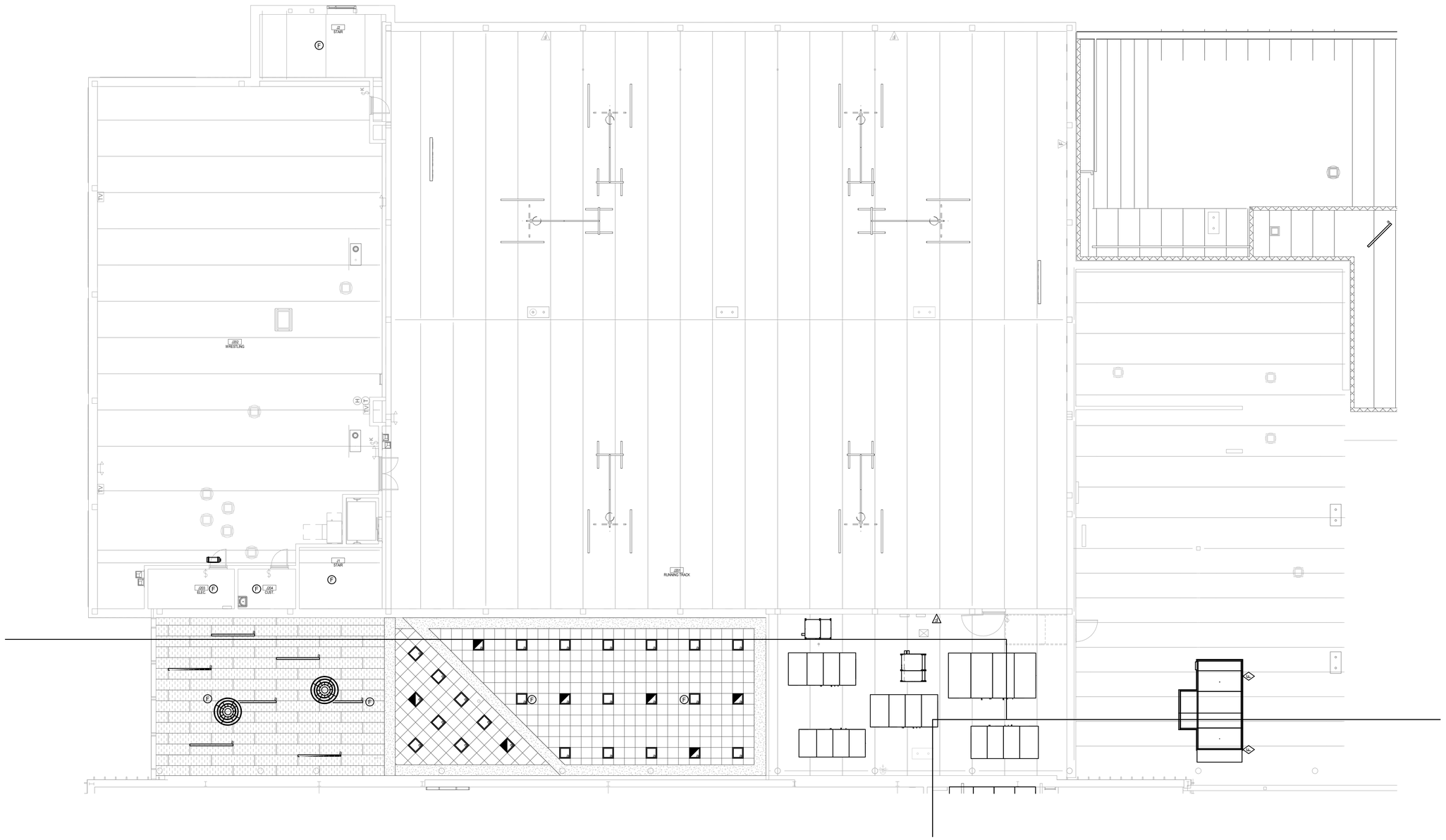
DATE: JANUARY 16, 2024

SHEET NAME: UNIT-H UPPER ELECTRICAL LIGHTING PLAN

SHEET: **E228**

COMM #: 2265

1/16/2024 2:17:42 PM



ELECTRICAL LIGHTING PLAN NOTES

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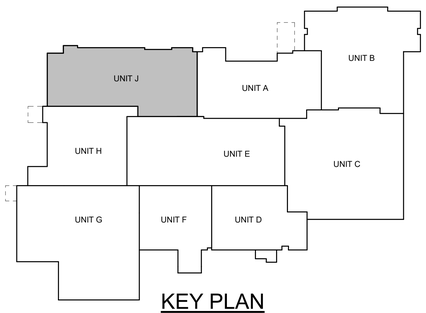

KEY PLAN

N

UNIT-J UPPER LEVEL ELECTRICAL LIGHTING PLAN

SCALE : 1/8" = 1'-0"

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No. PE10910639
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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: UNIT-J UPPER ELECTRICAL LIGHTING PLAN

SHEET: E229

COMM #: 2265

1/16/2024 2:17:45 PM

KITCHEN EQUIPMENT POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1 PROVIDE AND INSTALL FLOOR PEDESTAL EQUAL TO HUBBELL #SC3098A WITH SINGLE RECEPTACLE PLATE #SS309S AND BLANK PLATE #SS309BF WITH RECEPTACLE CORRESPONDING TO EQUIPMENT SHOWN. VERIFY WITH APPROVED SHOP DRAWINGS PRIOR TO INSTALL.

2 REFER TO WALK-IN FREEZER WIRING DETAIL ON SHEET FS3.0 FOR ALL WIRING REQUIREMENTS ASSOCIATED. COORDINATE ALL REQUIREMENTS OF SYSTEM WITH APPROVED SHOP DRAWINGS.

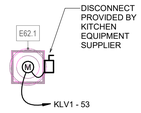
3 CIRCUIT WITH 3/4"C, 4#8, 1#10G.

4 CIRCUIT WITH 3/4"C, 4#10, 1#10G.

5 CIRCUIT WITH 3/4"C, 3#10, 1#10G.

6 CIRCUIT WITH 3/4"C, 3#8, 1#10G.

7 CIRCUIT WITH 1-1/2"C 4#4, 1#8G.

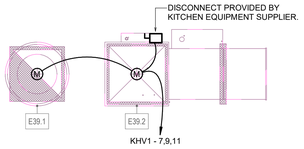


DISH MACHINE EXHAUST VENTILATION

SCALE : 1/4" = 1'-0"

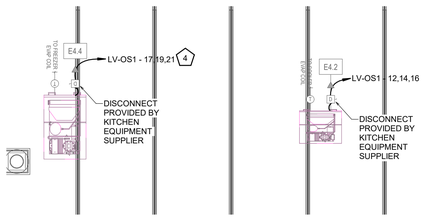
SMART MOUTH EXHAUST

SCALE : 1/4" = 1'-0"



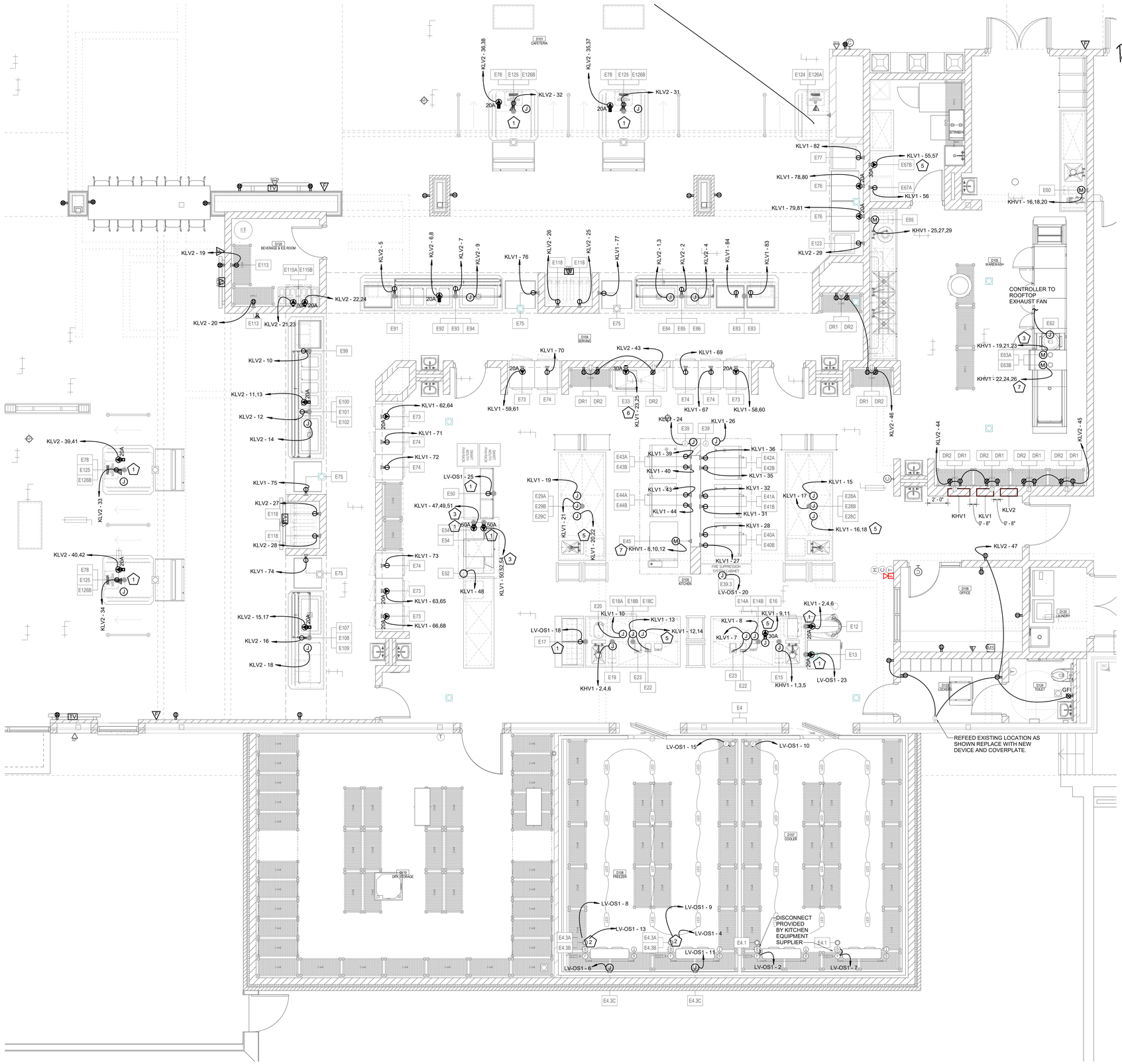
ROOFTOP EXHAUST

SCALE : 1/4" = 1'-0"



WALK-IN CONDENSERS

SCALE : 1/4" = 1'-0"



KITCHEN ENLARGED ELECTRICAL PLAN

SCALE : 1/4" = 1'-0"

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL ENLARGED KITCHEN PLAN

SHEET: E401

COMM #: 2265

I:\Active\2024\2265\Revit\Plots\E401 KITCHEN ENLARGED ELECTRICAL PLAN.dwg 1/16/2024 2:31:52 PM

KITCHEN EQUIPMENT POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1 PROVIDE AND INSTALL FLOOR PEDESTAL EQUAL TO HUBBELL #SC3098A WITH SINGLE RECEPTACLE PLATE #SS309S AND BLANK PLATE #SS309BF WITH RECEPTACLE CORRESPONDING TO EQUIPMENT SHOWN. VERIFY WITH APPROVED SHOP DRAWINGS PRIOR TO INSTALL.

2 REFER TO WALK-IN FREEZER WIRING DETAIL ON SHEET FS3.0 FOR ALL WIRING REQUIREMENTS ASSOCIATED. COORDINATE ALL REQUIREMENTS OF SYSTEM WITH APPROVED SHOP DRAWINGS.

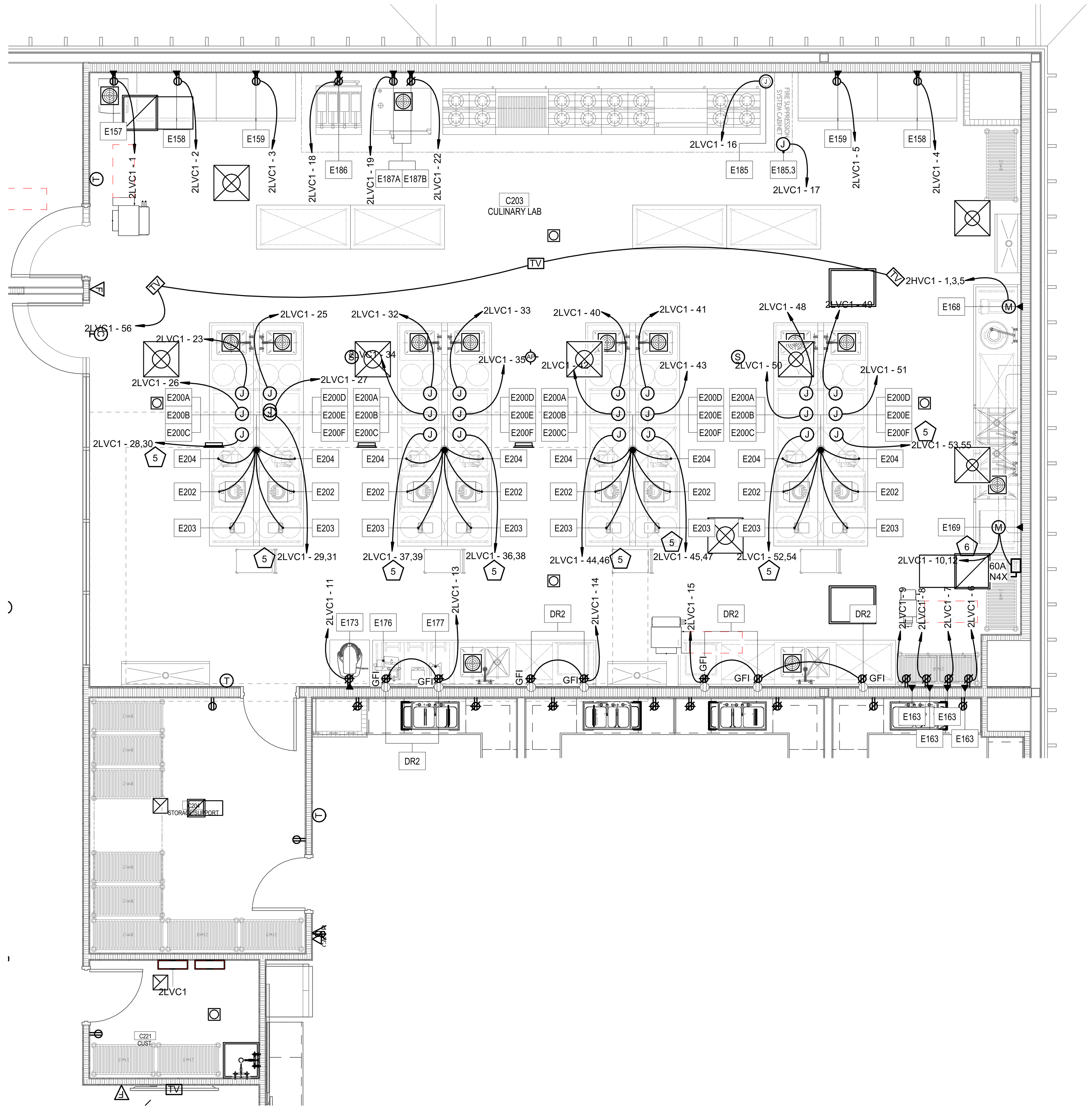
3 CIRCUIT WITH 3/4"C, 4#8, 1#10G.

4 CIRCUIT WITH 3/4"C, 4#10, 1#10G.

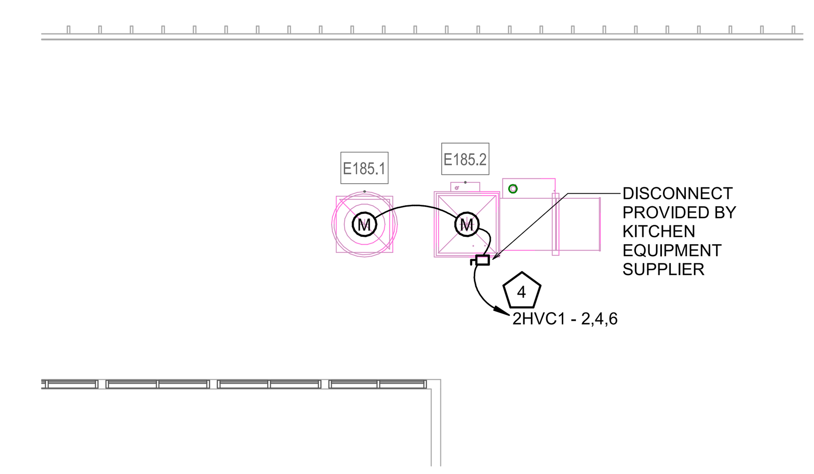
5 CIRCUIT WITH 3/4"C, 3#10, 1#10G.

6 CIRCUIT WITH 3/4"C, 3#8, 1#10G.

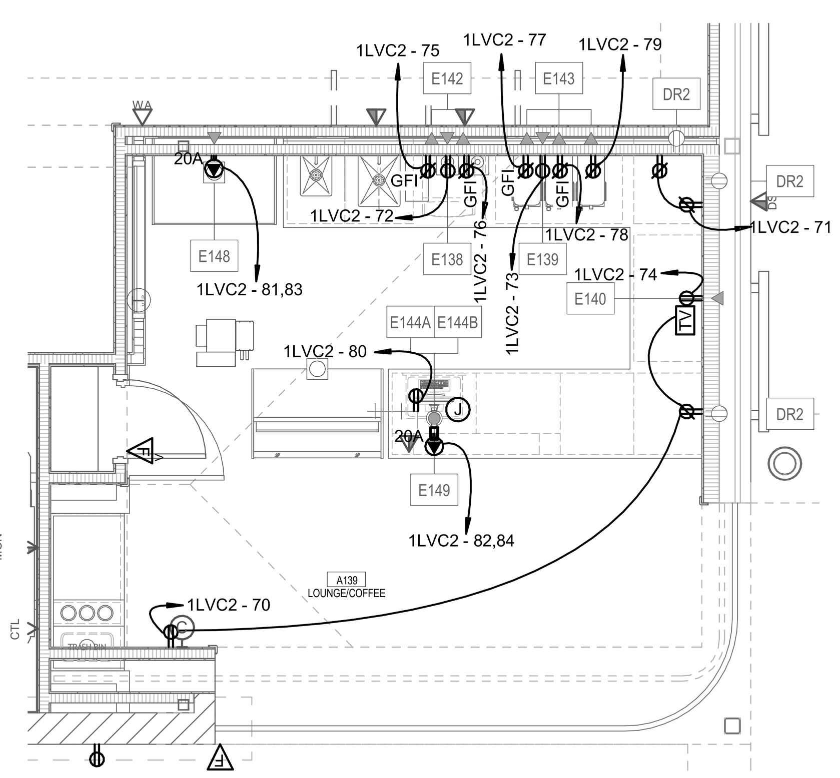
7 CIRCUIT WITH 1-1/2"C 4#4, 1#8G.



ENLARGED CULINARY LAB ELECTRICAL PLAN
SCALE : 1/4" = 1'-0"



LAB - ROOF EXHAUST ELECTRICAL PLAN
SCALE : 1/8" = 1'-0"



ALTERNATE ENLARGED COFFEE SHOP ELECTRICAL PLAN
SCALE : 1/4" = 1'-0"

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DANVILLE, INDIANA

INDICATES REVISION AND DATE

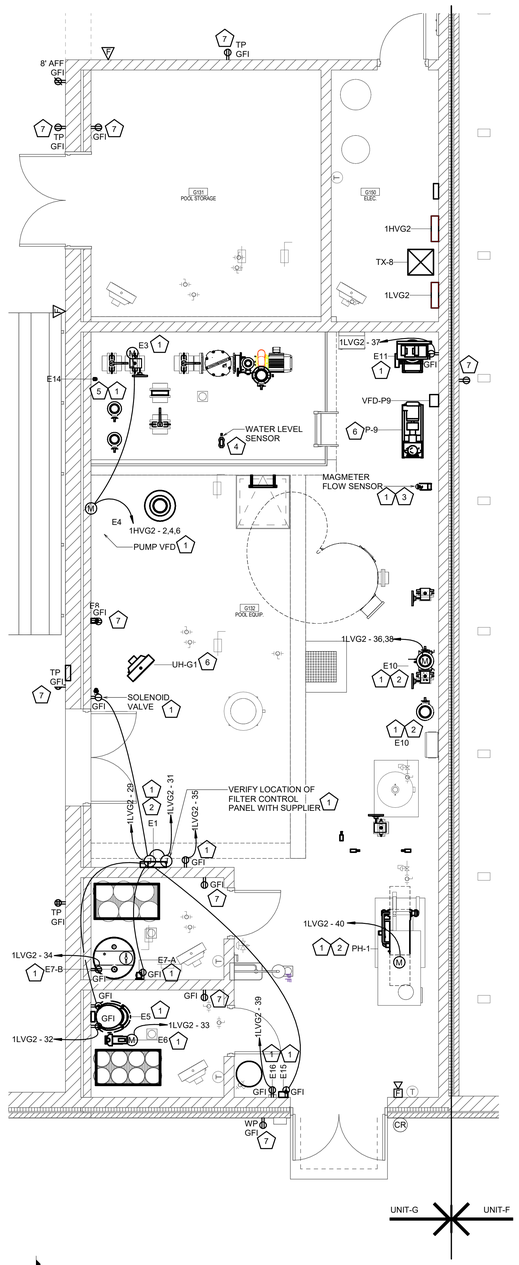
DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL CULINARY LAB & COFFEE SHOP ENLARGED PLANS

SHEET: E402

COMM #: 2265



N

ENLARGED POOL EQUIPMENT ROOM

SCALE : 1/4" = 1'-0"

ELECTRICAL POOL EQUIPMENT PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES AND SHEETS SP0.0 THROUGH SP6.2 FOR POOL PLANS

1 EQUIPMENT PROVIDED AND INSTALLED BY POOL EQUIPMENT SUPPLIER. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH SUPPLIER, POOL EQUIPMENT PLANS, WIRING DIAGRAM, AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.

2 PROVIDE AND CONNECT ALL INTERLOCK WIRING. REFER TO POOL EQUIPMENT SCHEDULES AND WIRING DIAGRAMS FOR MORE INFORMATION.

3 PROVIDE SHIELDED CABLE FOR DIGITAL FREQUENCY SIGNAL CIRCUIT FROM THE MAGMETER TO THE POOL CONTROLLER (E1). REFER TO POOL EQUIPMENT PLANS AND WIRING DIAGRAM FOR MORE INFORMATION.

4 PROVIDE A 4-20mA SIGNAL CIRCUIT FROM WATER LEVEL SENSOR IN SURGE TANK BACK TO POOL CONTROLLER (E1). REFER TO POOL EQUIPMENT PLANS AND WIRING DIAGRAM FOR MORE INFORMATION.

5 PROVIDE A 4-20mA SIGNAL CIRCUIT FROM POOL CONTROLLER (E1) TO THE PNEUMATIC TRANSDUCER FOR THE MODULATING VALVE. REFER TO POOL EQUIPMENT PLANS AND WIRING DIAGRAM FOR MORE INFORMATION.

6 REFER TO SHEET E107 FOR POWER OF MECHANICAL EQUIPMENT SHOWN.

7 REFER TO SHEET E107 FOR POWER OF GENERAL PURPOSE RECEPTACLES SHOWN.

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PROFESSIONAL ENGINEER

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DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL ENLARGED POOL EQUIPMENT ROOM

SHEET: **E403**

COMM #: 2265

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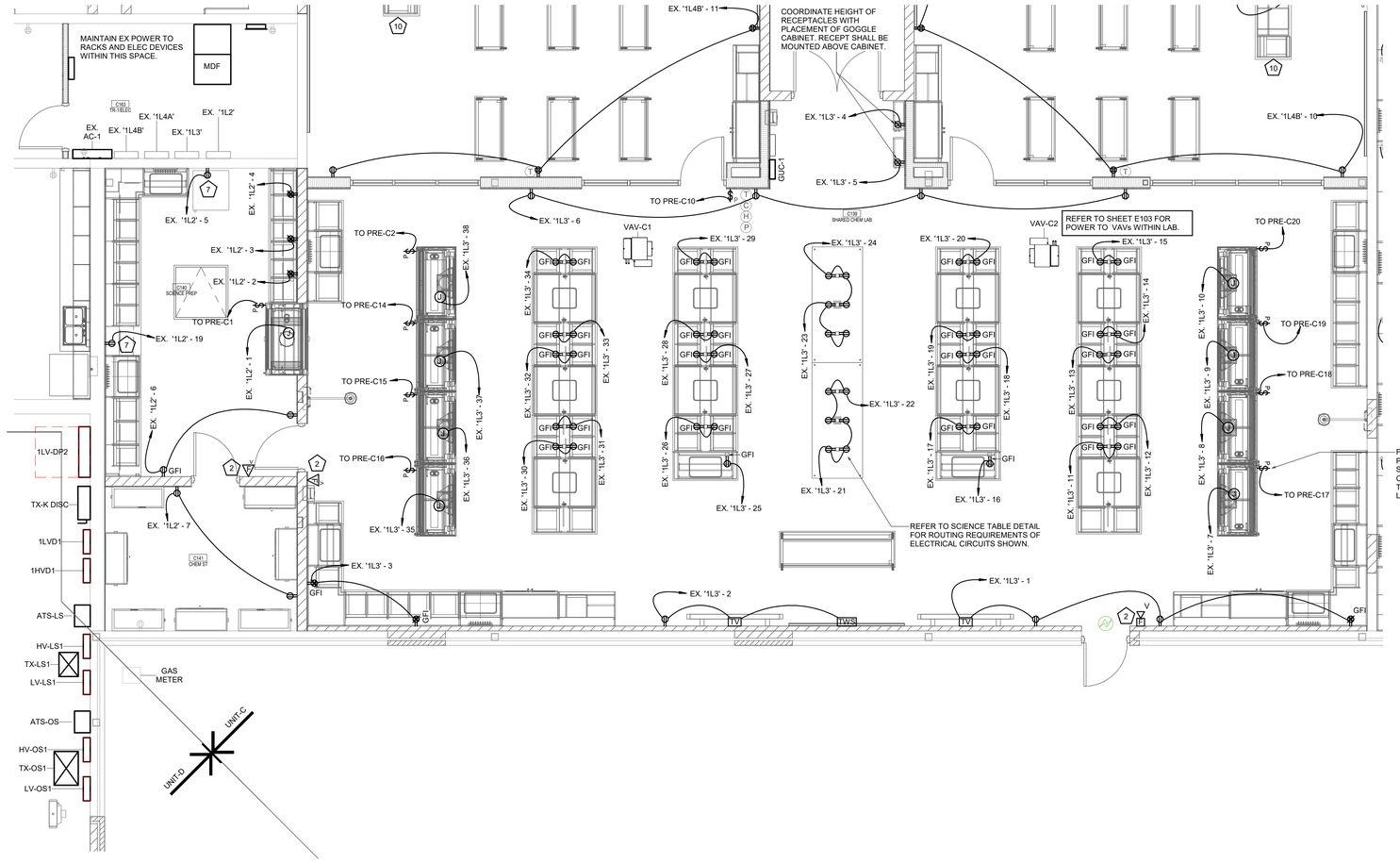
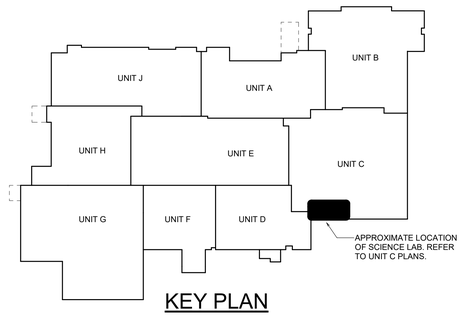


ELEC ENLARGED CHEMISTRY LAB POWER & SYSTEMS PLAN

SCALE : 1/4" = 1'-0"



KEY PLAN

RYAN J. BOWLAND
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ENLARGED CHEMISTRY LAB POWER PLAN

SHEET: **E404**

COMM #: 2265

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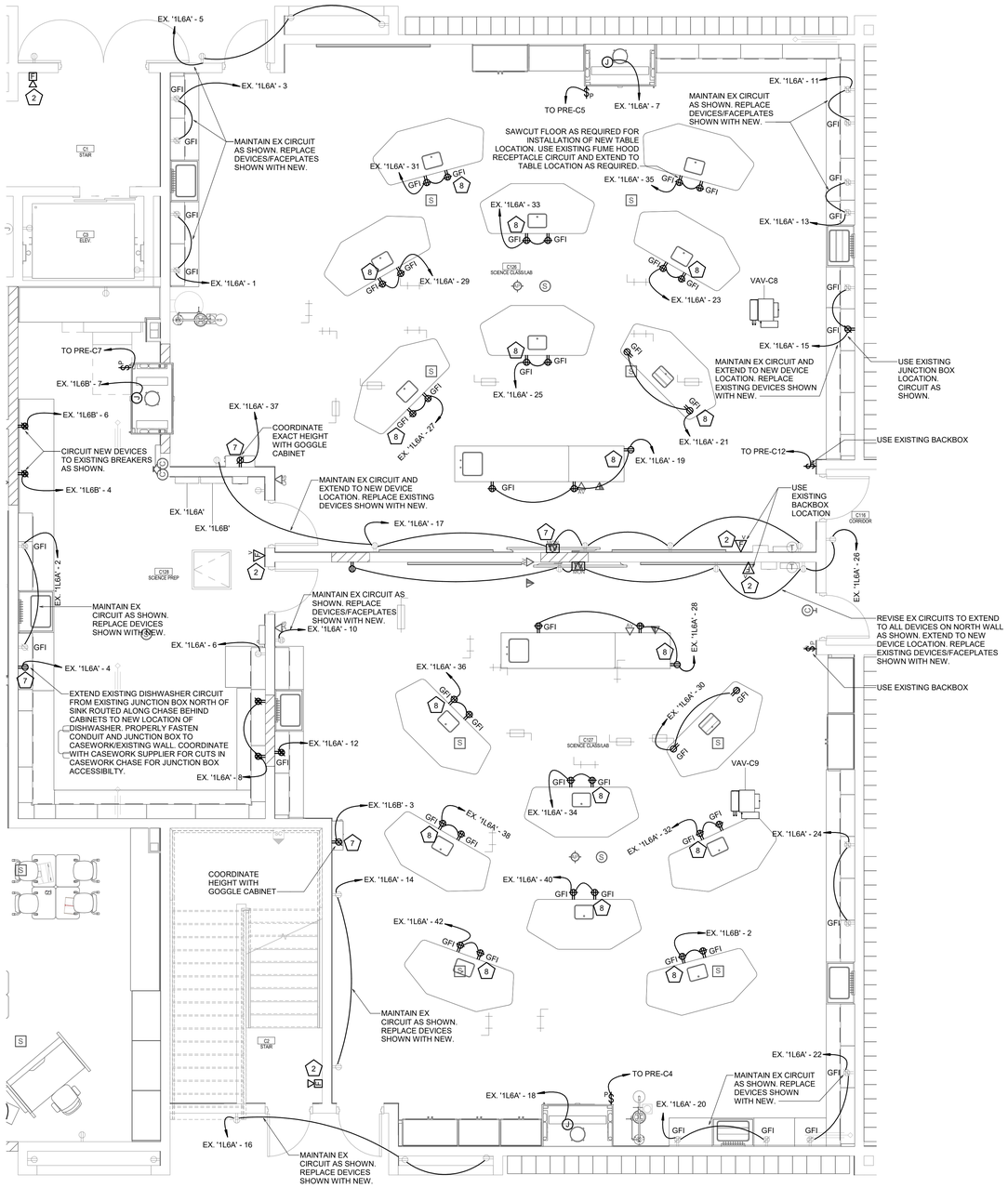
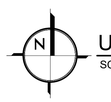




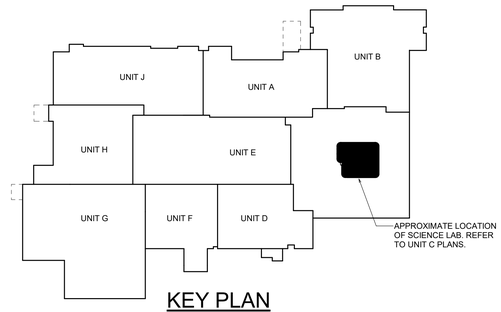
UNIT-C ELECTRICAL POWER & SYSTEMS PLAN Copy 1

SCALE : 1/4" = 1'-0"

ELECTRICAL POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1. EQUIPMENT PROVIDED AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
2. NEW FIRE ALARM DEVICES. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE NEW SYSTEM INCLUDING POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
3. REFEED EXISTING LOCATION AS SHOWN. REPLACE RECEPTACLE WITH NEW DEVICE AND INSTALL NEW FACEPLATE.
4. PROVIDE DUPLEX GFI RECEPTACLE FOR WATER COOLER. COORDINATE LOCATION WITH OTHER TRADES FOR CONCEALMENT WITH-IN WATER COOLER. COORDINATE LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS. WIRE SUCH THAT UPON ALARM, ALL UNITS SHUT DOWN. TERMINATE TO NEW FACP PER MANUFACTURERS SPECIFICATIONS. PROVIDE AND INSTALL NEW CARDS, POWER SUPPLIES, PROGRAMMING, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO SPECIFICATIONS.
6. ADA OPERATOR LOCATION. COORDINATE MOUNTING REQUIREMENTS WITH DOOR HARDWARE AND SUPPLIER PRIOR TO ROUGH-IN.
7. CUT WALL FOR LOCATION.
8. MAINTAIN ALL CIRCUITS AS SHOWN TO NEW TABLE LOCATIONS. CONTRACTOR SHALL SAW CUT FLOOR AS NECESSARY FOR ANY AND ALL REWORK REQUIRED TO COMPLETE INSTALLATION OF NEW TABLES. FIELD VERIFY ONSITE EXACT LOCATIONS OF NEW AND EXISTING TABLES. COORDINATE WITH SCIENCE CASEWORK SUPPLIER AS REQUIRED. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.
9. REFER TO SHEET FP6.2 FOR SCOREBOARD AND TIMING SYSTEM REQUIREMENTS. COORDINATE ALL REQUIREMENTS WITH SOUND SYSTEM/TIMING SYSTEM SUPPLIER AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.
10. SAW CUT FLOOR AS REQUIRED FOR NEW TABLE LOCATION. REFER TO SCIENCE CASEWORK DETAIL FOR MORE INFORMATION.



KEY PLAN

RYAN J. BOWLAND REGISTERED No. PE09100639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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DANVILLE COMMUNITY SCHOOL CORPORATION

DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ENLARGED SCIENCE CLASSROOM POWER PLAN

SHEET: **E405**

COMM #: 2265

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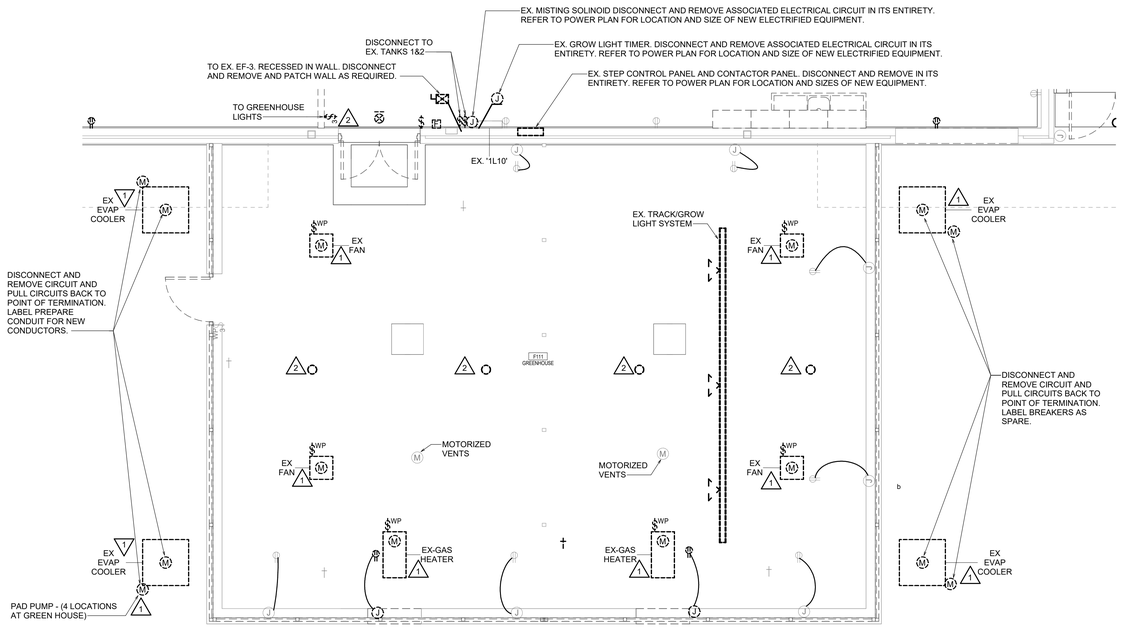


ENLARGED ELECTRICAL GREENHOUSE DEMOLITION PLAN

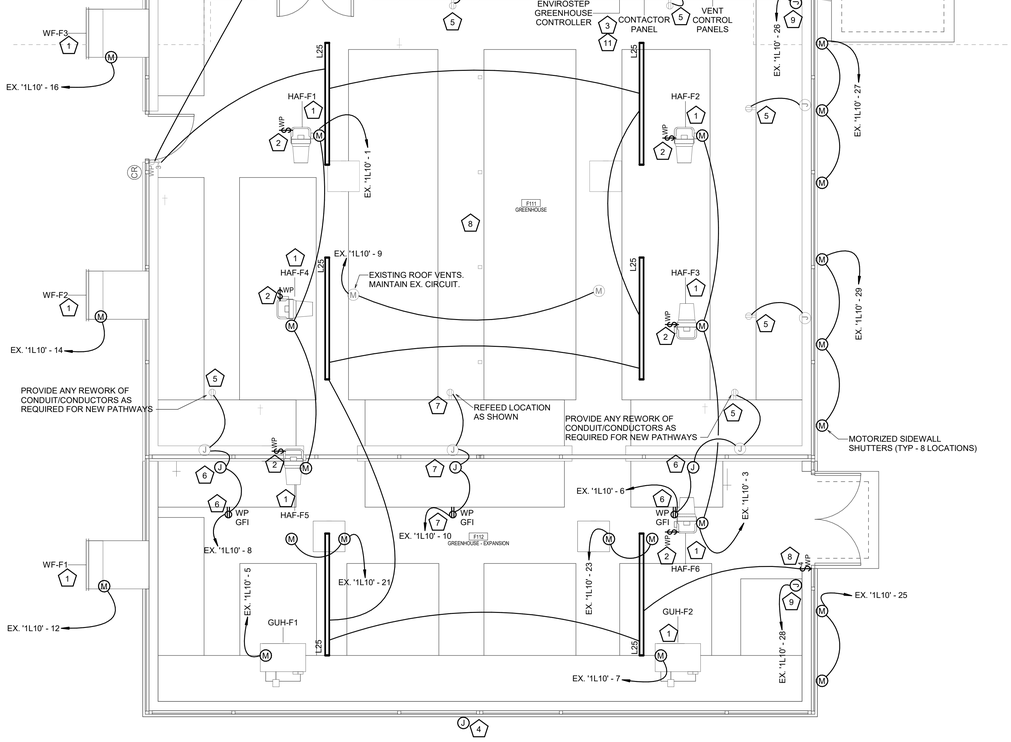
SCALE : 1/4" = 1'-0"

ELECTRICAL GREENHOUSE DEMO NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL DEMO NOTES.

1 REMOVE DISCONNECTS, STARTERS, SWITCHES, ETC. FOR MECHANICAL EQUIPMENT THAT SHALL BE DEMOLISHED AND ALL ASSOCIATED CONDUIT AND CONDUCTORS TO POINT OF TERMINATION.

2 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES IN THEIR ENTIRETY AND PREPARE CIRCUIT FOR INSTALLATION OF NEW LIGHT FIXTURES. EXTEND CIRCUIT AS REQUIRED TO NEW LOCATIONS OF LIGHT FIXTURES AND CONTROLS AS SHOWN.



ENLARGED ELECTRICAL GREENHOUSE POWER PLAN

SCALE : 1/4" = 1'-0"

ELECTRICAL GREENHOUSE POWER PLAN NOTES

REFER TO SHEET E600 FOR GENERAL ELECTRICAL NOTES.

1 EQUIPMENT PROVIDED BY GREENHOUSE SUPPLIER AND INSTALLED BY MC. COORDINATE LOCATION, ROUGH-IN REQUIREMENTS AND ELECTRICAL REQUIREMENTS WITH MC, GREENHOUSE SUPPLIER, APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN.

2 LOCAL DISCONNECT SWITCH MOUNTED ON EQUIPMENT. COORDINATE WITH GREENHOUSE SUPPLIER.

3 NEW WADSWORTH ENVIROSTEP GREENHOUSE CONTROLLER AND WADSWORTH CONTACTOR PANEL PROVIDED BY GREENHOUSE SUPPLIER INSTALLED BY EC. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.

4 NEW WADSWORTH WEATHER STATION WITH MAST. PROVIDED BY GREENHOUSE SUPPLIER INSTALLED BY EC. CONTROL WIRING BY EC. COORDINATE ALL REQUIREMENTS WITH GREENHOUSE SUPPLIER PRIOR TO INSTALLATION.

5 MAINTAIN EXISITNG CIRCUIT TO EXISTING RECEPTACLES.

6 JUNCTION BOX SHALL BE MOUNTED ALONG BASE OF WALL WITH FLEXIBLE WATERTIGHT CONDUIT ROUTED TO WP ENCLOSURE LOCATED ON FACE OF FIXED TABLE. EXTEND EXISTING CIRCUIT AS SHOWN.

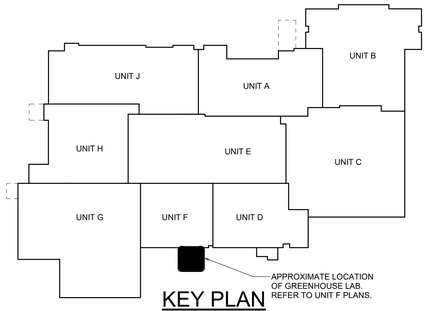
7 JUNCTION BOX SHALL BE MOUNTED ALONG BASE OF WALL WITH FLEXIBLE WATERTIGHT CONDUIT ROUTED TO WP ENCLOSURE LOCATED ON FACE OF FIXED TABLE. CIRCUIT AS SHOWN. REFEED EXISTING LOCATION AS REQUIRED.

8 EXTEND EXISTING LIGHTING CIRCUIT AS SHOWN TO ALL LIGHT FIXTURE LOCATIONS SHOWN. EXTEND LIGHTING CONTROLS TO ALL SWITCH LOCATIONS SHOWN.

9 NEW INLINE SUMP TANK AND SUBMERSIBLE PUMP PROVIDED BY GREENHOUSE SUPPLIER INSTALLED BY MC. EC SHALL COORDINATE EXACT LOCATION WITH OTHER CONTRACTORS AND CIRCUIT BACK TO EXISTING PANEL AS SHOWN. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT SUPPLIER.

10 MOTORIZED SIDEWALL SHUTTER PROVIDED BY GREENHOUSE SUPPLIER. COORDINATE ALL POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

11 EC IS RESPONSIBLE FOR WIRING ALL REQUIRED SYSTEMS TO ENVIROSTEP CONTROLLER. INCLUDING FANS (CEF AND WF LOCATIONS), OVERHEAD VENTS, MOTORIZED SIDEWALL SHUTTERS, WATER SOLENOID, MISTING SOLENOID, AND ALL OTHER REQUIRED SYSTEMS. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH GREENHOUSE SUPPLIER AND APPROVED SHOP DRAWINGS PRIOR TO INSTALLATION.



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RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

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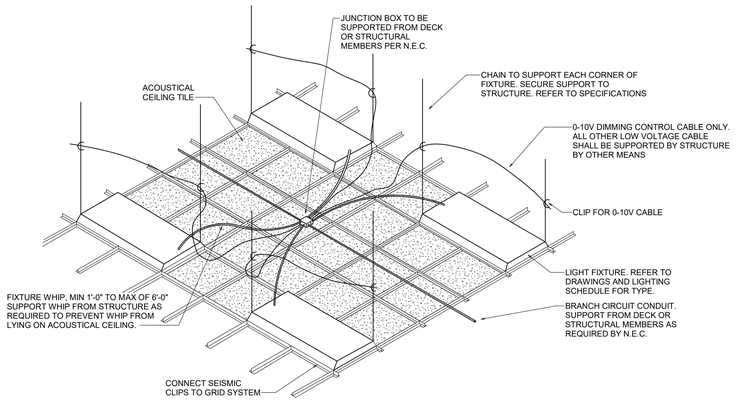
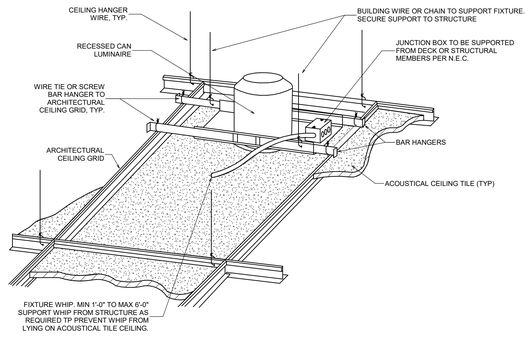
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
DRAWN BY:	PURSIFULL
DATE:	JANUARY 16, 2024
SHEET NAME:	ENLARGED GREENHOUSE POWER PLAN
SHEET:	E406
COMM #:	2265

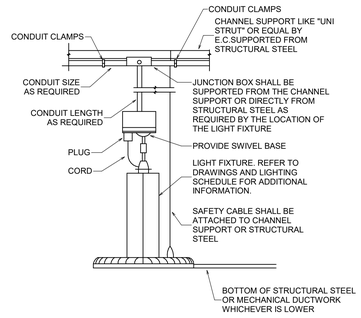
1/16/2024 2:21:08 PM



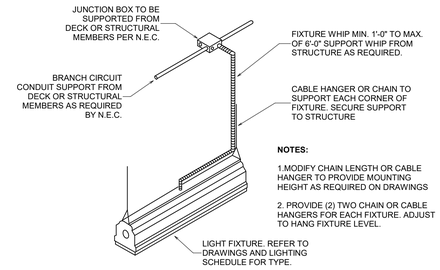
1 E501 LIGHT FIXTURE SUPPORT
NTS



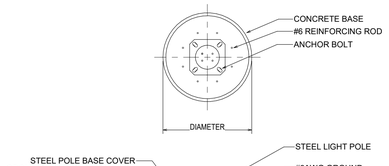
2 E501 DOWNLIGHT FIXTURE SUPPORT DETAIL
NTS



3 E501 HIGH BAY MOUNTING
NTS



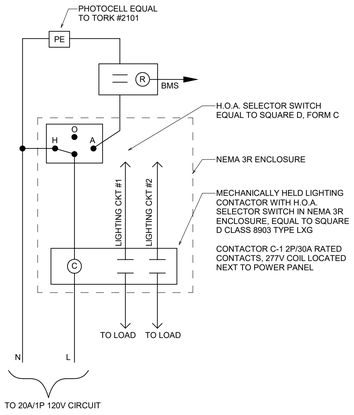
4 E501 STRIP LIGHTING FIXTURE SUPPORT
NTS



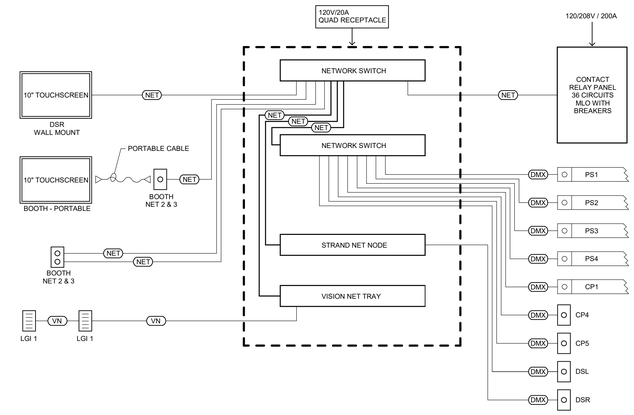
POLE BASE INFO		
POLE HEIGHT	LENGTH	DIAMETER
15'	5'	24"
20'	6'	24"
25'	6'	36"
30'	6'	36"
35'	7'	36"
40'	8'	36"

IF LIGHT POLE IS 10' OR LESS FROM A PARKING LOT OR DRIVE: X SHALL BE 3'. IF NOT X SHALL BE 6" ABOVE FINISH GRADE

5 E501 SITE LIGHT POLE BASE DETAIL
NTS



6 E501 SITE LIGHTING CONTROL DIAGRAM
NTS



12 E501 AUDITORIUM CONTROLS RISER DIAGRAM
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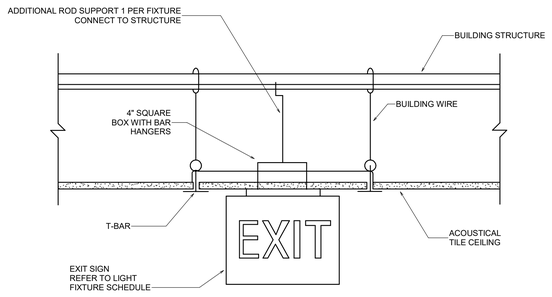

7 E501 SUSPENDED EXIT SIGN MOUNTNG
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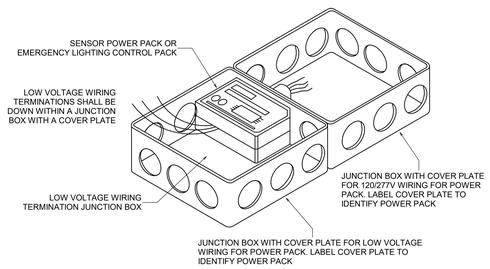

11 E501 POWER PACK MOUNTING DETAIL
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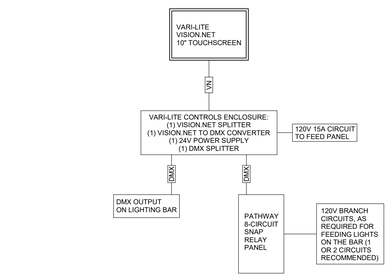

13 E501 MINI STAGE CONTROLS RISER DIAGRAM
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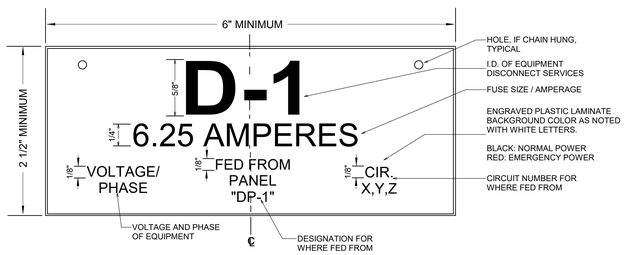

8 E501 DISCONNECT TAG DETAIL
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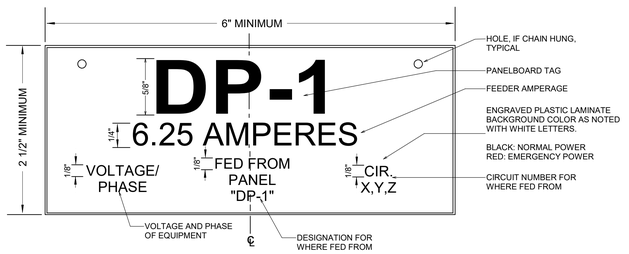
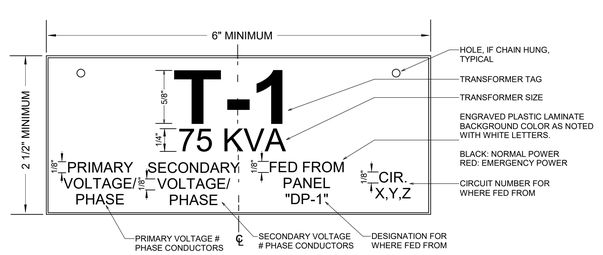


9 E501 PANELBOARD TAG DETAIL
NTS



10 E501 TRANSFORMER TAG DETAIL
NTS

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PROFESSIONAL ENGINEER

MEYER NAJEM

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ARCHITECTS & ENGINEERS

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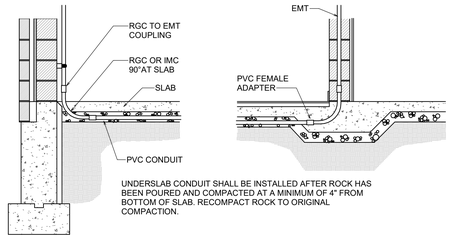
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: ELECTRICAL DETAILS

SHEET: **E501**
COMM #: 2265

1/16/2024 8:21:19 PM



1 E502 UNDER SLAB ROUGH-IN DETAIL

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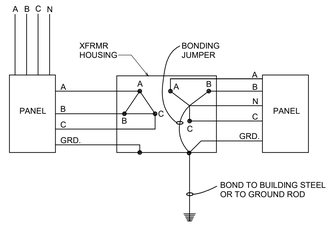

2 E502 TYP. 3 PHASE TRANSFORMER CONNECTION

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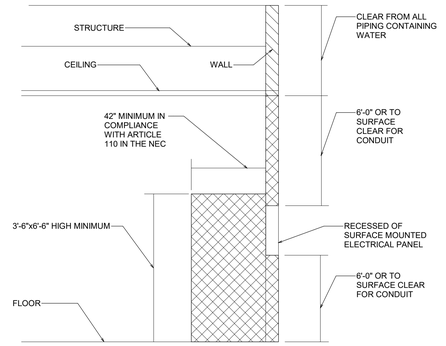
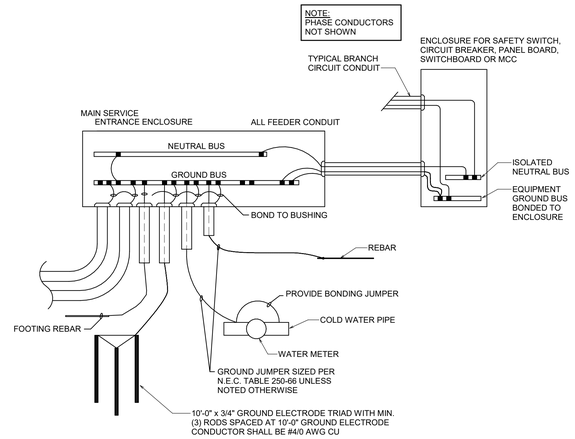


3 E502 CONDENSER RACK DETAIL

NTS



4 E502 SERVICE ENTRANCE GROUNDING

NTS

NOTES:

1. REFER TO SERVICE ENTRANCE GROUNDING DETAIL FOR GROUNDING CONDUCTOR SIZE.
2. REFER TO SPECIFICATION SECTION 260526 FOR ADDITIONAL REQUIREMENTS

5 E502 GROUNDING ROD CONNECTION DETAIL

NTS

6 E502 SURFACE MOUNTED PANELBOARD

NTS

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL DETAILS

SHEET: **E502**

COMM #: 2265

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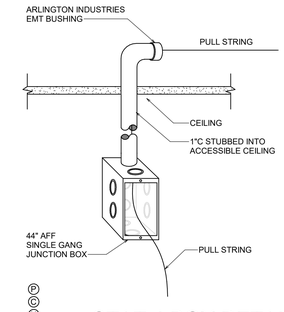
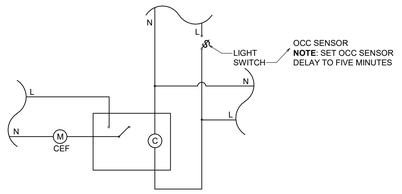
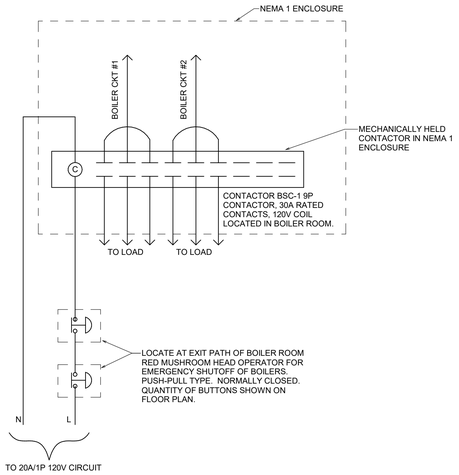


1 E503 STAT J-BOX DETAIL
NTS



2 E503 PRE / CEF CONTROL DIAGRAM
NTS



3 E503 BOILER SHUT OFF EMERGENCY CONTROL DIAGRAM
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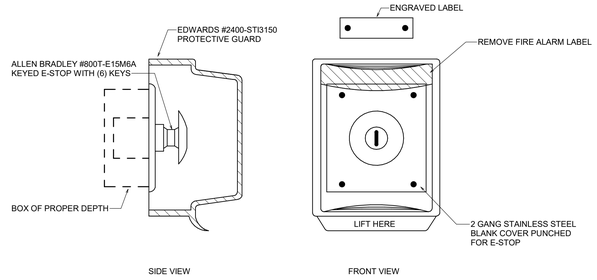

4 E503 EMERGENCY SHUT DOWN DETAIL
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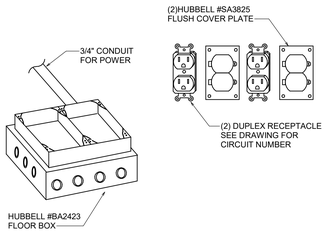
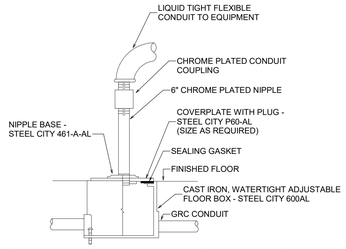
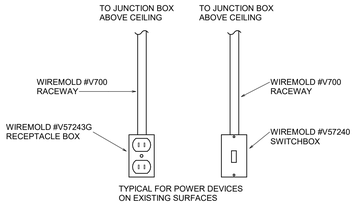


NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

FB 5 E503 FLOOR BOX DETAIL
NTS

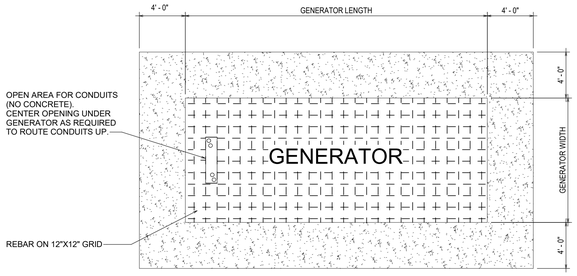


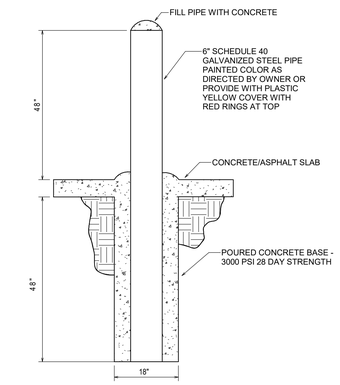
6 E503 KITCHEN EQUIPMENT FLOOR OUTLET
NTS



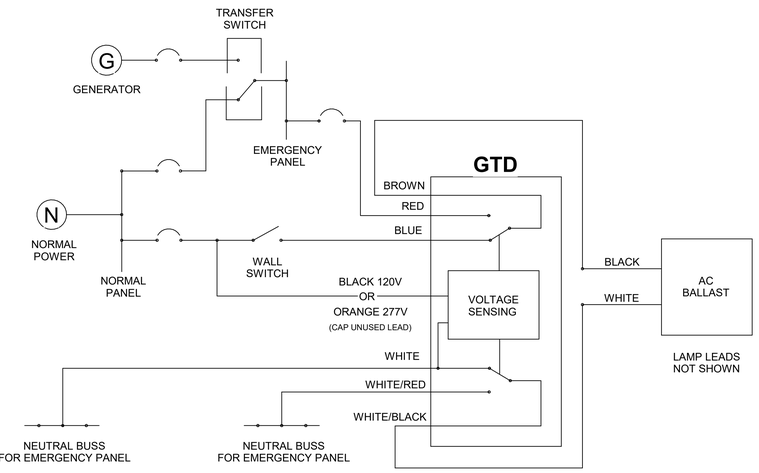
NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

7 E503 TYPICAL SURFACE RACEWAY DETAIL
NTS





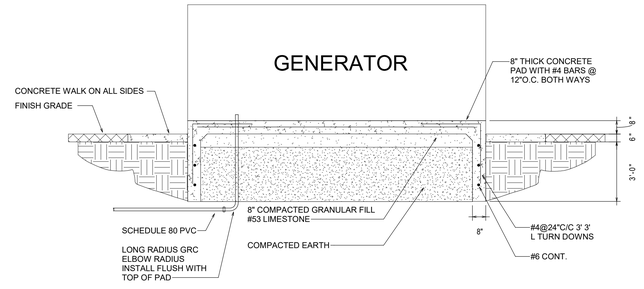
8 E503 BOLLARD DETAIL
NTS



NORMAL OPERATION (SHOWN ABOVE)
AC LIGHTING BALLAST SUPPLIED BY NORMAL PANEL & CONTROLLED BY WALL SWITCH

GENERATOR OPERATION
AL LIGHTING BALLAST SUPLIED BY GENERATOR THROUGH EMERGENCY PANEL AND INDEPENDENT OF WALL SWITCH POSITION

9 E503 GENERATOR TRANSFER DEVICE
NTS



NOTES

1. REINFORCING STEEL SHALL CONFORM TO ASTM A 615 AND SHALL BE DEFORMED, INTERMEDIATE GRADE (GRADE 60). ALL REINFORCING STEEL SHALL BE CLEANED OF ALL COATINGS THAT ADVERSELY AFFECT BONDING CAPACITY. ALL REINFORCING STEEL SHALL BE ACCURATELY POSITIONED AND RIGIDLY HELD IN PLACE DURING POURING.
2. ALL REINFORCING STEEL SHALL HAVE A 3 INCH CLEARANCE FROM THE BOTTOM. THERE SHALL BE A 3 INCH CLEARANCE FROM SIDES TO STEEL RUNNING PARALLEL THEREOF. THERE SHALL BE A 2 INCH CLEARANCE FROM END OF STEEL TO SIDES AND WINDOW.
3. OTHER SURFACE EDGES OF PADS TO BE CHAMFERED 1" AT 45 DEGREES. ROUNDING OF EDGES WITH A ROUNDING TROWEL IS ACCEPTABLE IN LIEU OF CHAMFERING.
4. TAMP ALL DISTURBED SOIL UNDERNEATH PAD TO 95% COMPACTION AS PER ASTM D 698.
5. CONCRETE SHALL CONFORM TO ASTM C 150 FOR TYPE I OR TYPE III HIGH EARLY. CONCRETE SHALL BE PROPORTIONED TO PRODUCE A COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. CONCRETE SLUMP SHALL MEASURE 3-4 INCHES.
6. AGGREGATES SHALL CONFORM TO ASTM C 33 AND SHALL CLEAN AND FREE FROM DELETERIOUS AMOUNTS OF ACIDS, ALKALIS, ORGANIC MATTER OR OTHER FOREIGN SUBSTANCES. THE MAXIMUM AGGREGATE SIZE SHALL NOT EXCEED ⅓ INCH.
7. MIXING WATER SHALL BE CLEAN FROM OILS, ACIDS, ALKALIS, SALTS, ORGANIC MATERIALS OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR STEEL.
8. CONTRACTOR SHALL VERIFY PAD DESIGN AND DIMENSIONS WITH GENERATOR MANUFACTURER PRIOR TO POUR. CONTRACTOR SHALL VERIFY SIZE AND QUANTITES OF CONDUIT FOR A COMPLETE AND FUNCTIONAL SYSTEM.

10 E503 GENERATOR PAD DETAIL
NTS

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1 INDICATES REVISION AND DATE

DRAWN BY: **PURSIFULL**
DATE: **JANUARY 16, 2024**
SHEET NAME: **ELECTRICAL DETAILS**

SHEET: **E503**
COMM #: **2265**

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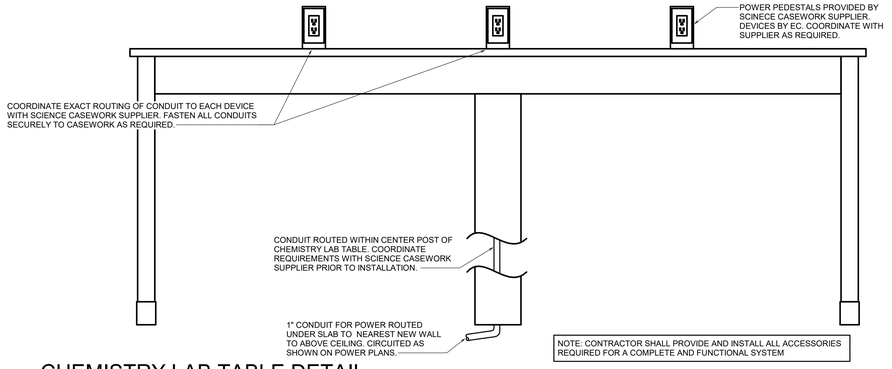
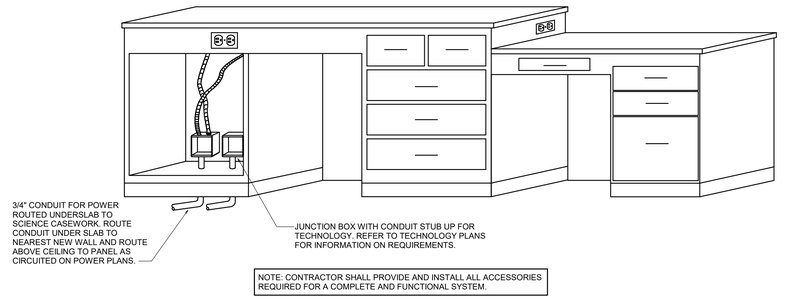


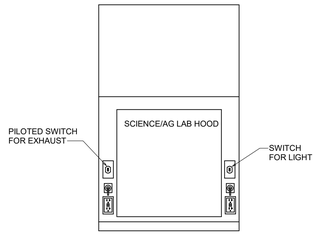
1 / E504 CHEMISTRY LAB TABLE DETAIL

NTS



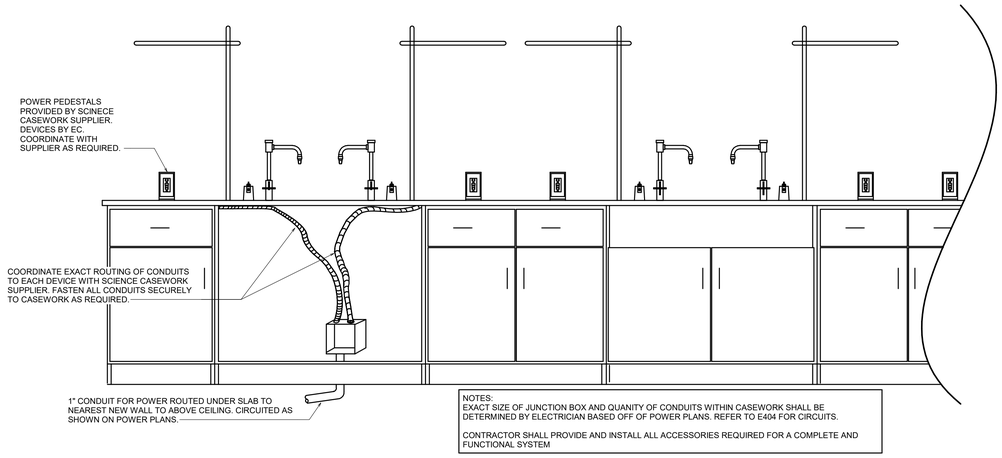
2 / E504 SCIENCE CASEWORK ELECTRICAL ROUGH-IN DETAIL

NTS



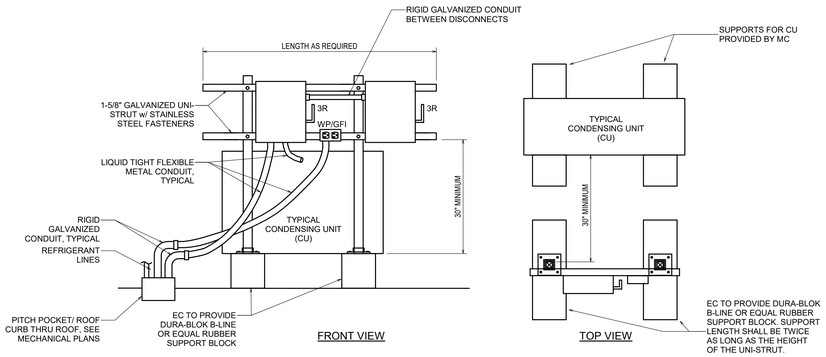
3 / E504 SCIENCE/AG LAB HOOD DETAIL

NTS



4 / E504 CHEMISTRY LAB ISLAND DETAIL

NTS

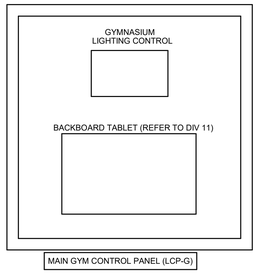


1. REFER TO DRAWINGS FOR THE EXACT NUMBER OF DISCONNECTS PER UNI-STRUT STAND
2. REFER TO DRAWINGS FOR THE LOCATION OF RECEPTACLES.
3. UNI-STRUT STANDS SHALL BE A MINIMUM 30" FROM THE CONDENSING UNIT (CU) FOR MAINTENANCE
4. COORDINATE LOCATION OF PITCH POCKETS WITH DRAWINGS.
5. UNI-STRUT STANDS ARE LOCATED ON ROOF MOUNTED DURA-BLOK B-LINE RUBBER SUPPORT BLOCKS WITH GALVANIZED CHANNEL.

5 / E504 CONDENSER RACK DETAIL

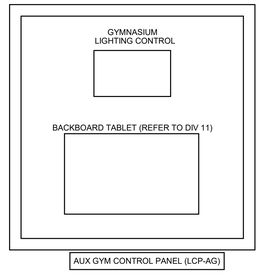
NTS

E.C. SHALL PROVIDE & INSTALL HOFFMAN CONCEPT FLUSH MOUNT ENCLOSURE #CFM20206. PROVIDE & INSTALL "BEST LOCK" LOCK ASSEMBLY. COORDINATE KEY TYPE W/ARCHITECT/OWNER. PROVIDE & INSTALL HOFFMAN SWING-OUT PANEL #C-SP2020, & HOFFMAN ADJUSTABLE MOUNTING KIT #C-AM64. DOOR SHALL HAVE FACTORY ENGRAVED LABEL "MAIN GYMNASIUM CONTROL PANEL". LABELING SHALL BE AS INDICATED & FACTORY ENGRAVED. ALL PENETRATIONS SHALL BE CUT-IN AT THE FACTORY CORRDINATE WITH LIGHTING SYSTEM SUPPLIER AND BACKBOARD SYSTEM SUPPLIER (DIV 11).



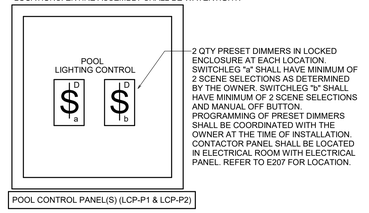
MAIN GYM CONTROL PANEL (LCP-G)

E.C. SHALL PROVIDE & INSTALL HOFFMAN CONCEPT FLUSH MOUNT ENCLOSURE #CFM20206. PROVIDE & INSTALL "BEST LOCK" LOCK ASSEMBLY. COORDINATE KEY TYPE W/ARCHITECT/OWNER. PROVIDE & INSTALL HOFFMAN SWING-OUT PANEL #C-SP2020, & HOFFMAN ADJUSTABLE MOUNTING KIT #C-AM64. DOOR SHALL HAVE FACTORY ENGRAVED LABEL "AUX GYMNASIUM CONTROL PANEL". LABELING SHALL BE AS INDICATED & FACTORY ENGRAVED. ALL PENETRATIONS SHALL BE CUT-IN AT THE FACTORY CORRDINATE WITH LIGHTING SYSTEM SUPPLIER AND BACKBOARD SYSTEM SUPPLIER (DIV 11).



AUX GYM CONTROL PANEL (LCP-AG)

PVC BOX WITH LOCKABLE COVER. EXACT SIZE OF ENCLOSURE SHALL BE DETERMINED BY CONTRACTOR. BOTH LCP-P1 AND LCP-P2 SHALL HOUSE 2 QTY PRESET DIMMER SWITCHES AS SHOWN. PROVIDE AND INSTALL "BEST LOCK" LOCK ASSEMBLY. COORDINATE KEY TYPE W/ARCHITECT/OWNER. PROVIDE ENGRAVED LABEL "POOL LIGHTING CONTROL" AT BOTH LOCATIONS. ENTIRE ASSEMBLY SHALL BE WATERTIGHT.



POOL CONTROL PANEL(S) (LCP-P1 & LCP-P2)

6 / E504 GYMNASIUM(S) AND POOL CONTROL PANEL DETAILS

NTS

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DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL DETAILS

SHEET: **E504**

COMM #: 2265

I:\N\2024\2315\17\Mo

ELECTRICAL SYMBOL SCHEDULE

Symbol	Description
MDP SEC. 1 SEC. 2 SEC. 3	MAIN DISTRIBUTION PANELBOARD
	SURFACE MOUNTED PANELBOARD
	RECESSED MOUNTED PANELBOARD
MCC	MOTOR CONTROL CENTER, REFER TO SCHEDULE
T-XX	PAD MOUNTED XFRMR, REFER TO TRANSFORMER SCHEDULE
T-XX	TRAPEZE MOUNTED XFRMR, REFER TO TRANSFORMER SCHEDULE
ATS	AUTOMATIC TRANSFER SWITCH, FOUR POLE SWITCH UNLESS OTHERWISE NOTED
XX	HEAVY-DUTY NON-FUSED DISCONNECT SWITCH, XX INDICATES AMPERAGE OF DISCONNECT
XX	HEAVY-DUTY FUSED DISCONNECT SWITCH, XX INDICATES AMPERAGE OF DISCONNECT
XX	COMBINATION MOTOR STARTER AND HEAVY-DUTY FUSED DISCONNECT SWITCH, REFER TO MOTOR STARTER SCHEDULE
M	ELECTRIC MOTOR CONNECTION
PC	PHOTO CELL
EE	ELECTRIC EYE
T	THERMOSTAT-THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR, ROUGH-IN AND INSTALLATION BY ELECTRICAL CONTRACTOR.
R	RELAY
CX	CONTACTOR, REFER TO DIAGRAMS
	MICROPHONE AND AUXILLIARY MICROPHONE JACKS MOUNTED AT +16" AFF UNLESS OTHERWISE NOTED
	FLOOR MOUNTED UNISTRUT RACK
	EMERGENCY SHUTDOWN BUTTON, OR ADA BUTTON
	TWO OR THREE POSITION PUSH BUTTON COORDINATE WITH APPLICATION
	20A, 120V SINGLE RECEPTACLE. MOUNT AT +16" AFF TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
	20A, 120V DUPLEX RECEPTACLE. MOUNT AT +16" AFF TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
	20A, 120V DUPLEX RECEPTACLE. MOUNT AT +44" AFF OR +6" ABOVE CASEWORK COUNTERTOP UNLESS OTHERWISE NOTED.
	20A, 120V DUPLEX RECEPTACLE. MOUNTED HORIZONTALLY AT +16" AFF TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
	20A, 120V DUPLEX RECEPTACLE WITH THE TOP RECEPTACLE SWITCHED. MOUNT AT +16" TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
	20A, 120V DOUBLE DUPLEX RECEPTACLE. MOUNT AT +16" AFF TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
	20A, 120V DOUBLE DUPLEX RECEPTACLE. MOUNT AT +44" AFF OR +6" ABOVE CASEWORK COUNTERTOP UNLESS OTHERWISE NOTED.
	SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AND RATING SHALL MATCH CORD SET OF EQUIPMENT BEING SUPPLIED.
GFI	20A, 120V DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER. MOUNT AT +16" AFF TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
TP	20A, 120V TAMPER PROOF DUPLEX RECEPTACLE. MOUNT AT +16" AFF TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
EWC GFI	20A, 120V DUPLEX RECEPTACLE WITH GROUND FAULT INTERUPTER FOR ELECTRIC WATER COOLER. MOUNT PER MANUFACTURER'S SPECIFICATIONS. MOUNT SUCH THAT RECEPTACLE IS CONCEALED BEHIND WATER COOLER COVER.
WP GFI	20A, 120V DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER WITH HUBBELL #WP26MH COVER. MOUNT HORIZONTAL AT +24" AFG UNLESS OTHERWISE NOTED.
	CORD REEL EQUAL TO REEL CRAFT LG3040 123 9 20A, 120V DUPLEX RECEPTACLE MOUNTED AT CELING LEVEL.
MIC	PENDANT MIC FOR SOUND SYSTEM
W	WIRELESS MIC FOR SOUND SYSTEM
WA	WIRELESS ACCESS POINT, REFER TO DETAIL
V A	VOICE OUTLET WORKSTATION, REFER TO DETAIL
D x	DATA OUTLET WORKSTATION, x INDICATES NUMBER OF OUTLETS, REFER TO DETAILS
TV TVX	VIDEO DISTRIBUTION OUTLET, REFER TO DETAIL
HD	HAND DRYER, REFER TO DETAILS
TWS	TEACHER WORKSTATION , REFER TO DETAILS
PROJ	PROJECTOR, REFER TO DETAILS
AVX	AUDIO VIDEO, REFER TO DETAILS
DISPX	FLAT PANEL DISPLAY, REFER TO DETAILS
FBX	FLOOR BOX OUTLET, REFER TO NOTES AND/OR DETAILS
	VERTICAL HORIZONTAL SURFACE MOUNTED RACEWAY.
	SURFACE MOUNTED RACEWAY WITH CONDUIT FEEDS CONCEALED WITHIN NEW WALL, REFER TO DETAILS
	SURFACE MOUNTED RACEWAY WITH SURFACE MOUNTED VERTICAL RISE AS INDICATED, REFER TO DETAILS
	SURFACE MOUNTED RACEWAY WITH CONDUIT FEEDS CUT INTO AND CONCEALED WITHIN EXISTING WALL, REFER TO DETAILS
TTB	TELEPHONE TERMINAL BOARD, 4' X 4' X 3/4" FIRE-X PLYWOOD MOUNTED ON 1-5/8" UNISTRUT
	TELECOMMUNICATION RACK, REFER TO RISER DIAGRAM
$ OS	WATTSTOPPER #DW-100 DUAL-TECH WALL SWITCH SENSOR
OS 1	WATTSTOPPER #DT-300 DUAL-TECH CEILING OCCUPANCY SENSOR - CLASSROOMS
OS 2	WATTSTOPPER #CI-200 PIR CEILING OCCUPANCY SENSOR - CORRIDOR
OS 3	WATTSTOPPER #HB-3XX OCCUPANCY SENSOR - HIGH BAY- (XX=VOLTAGE)
OS 4	CORNER MOUNT OCCUPANCY SENSOR, PIR, LARGE MOVEMENT
LXX x	LIGHT FIXTURE LXX INDICATES FIXTURE TYPE, x INDICATES SWITCH LEG, REFER TO LIGHT FIXTURE SCHEDULE
LXX x	SAME AS ABOVE EXCEPT WITH EMERGENCY BALLAST OR GENERATOR TRANSFER DEVICE
EX	UNIVERSAL MOUNT EXIT SIGN, WHEN CEILING IS BELOW 10' AFF MAY BE CEILING MOUNTED. IF CEILING IS ABOVE 10' AFF, WALL MOUNT +16" ABOVE DOOR FRAME
XX	ARM OR POST TOP SITE LIGHTING, XX INDICATES FIXTURE TYPE REFER TO THE LIGHT FIXTURES SCHEDULE
$	20A, 120/277VAC SINGLE POLE SWITCH
$a $b	20A, 120/277VAC SINGLE POLE SWITCHES "a b" INDICATE OUTSIDE LAMPS TO BE ON "a" SWITCHLEG AND THE INSIDE LAMP(S) TO BE ON "b" SWITCHLEG
$3	20A, 120/277 VAC THREE-WAY SWITCH
$4	20A, 120/277 VAC FOUR-WAY SWITCH
$K	20A, 120/277 VAC KEY OPERATED SWITCH
$D	20A, 120 VAC DIMMER SWITCH, PROVIDE 1500W SWITCH UNLESS OTHERWISE NOTED
$L CB	20A, 120/277 VAC LOCKABLE CIRCUIT BREAKER SAFETY-SWITCH
$P	20A, 120/277 VAC SINGLE POLE SWITCH WITH PILOT LIGHT
$T P	20A, 120/277 VAC MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION AND PILOT LIGHT
F	MANUAL FIRE ALARM PULL STATION, MOUNT AT +44" AFF
F	FIRE ALARM AUDIO/VISUAL, MOUNT AT +80" AFF
F V	FIRE ALARM VISUAL, MOUNT AT +80" AFF
F	MANUAL FIRE ALARM PULL STATION AND AUDIO/VISUAL MOUNT AT +44" AND +80" AFF RESPECTIVELY
F	FIRE ALARM 3D MULTISENSOR DETECTOR
F T	FIRE ALARM RATE-OF-RISE/FIXED TEMPERATURE HEAT DETECTOR
F R	FIRE ALARM 3D MULTISENSOR DETECTOR WITH RELAY BASE
F	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR, WHETHER SPECIFICALLY SHOWN OR NOT PROVIDE A DETECTOR IN EACH SUPPLY AND RETURN DUCT OF EACH AIR HANDLING UNIT/ROOF TOP UNIT.
T F	FIRE SUPPRESSION TAMPER/FLOW MONITOR MODULE
	FIRE ALARM BELL
PIV	FIRE SUPPRESSION POST INDICATOR VALVE
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
HO	FIRE ALARM SENTRONIC/MAGNETIC DOOR HOLD OPEN DEVICE
S	CEILING MOUNTED P.A. LOUDSPEAKER
S	WALL MOUNTED P.A. LOUDSPEAKER
S	CEILING MOUNTED PRO AUDIO SPEAKER
S	WALL MOUNTED PRO AUDIO SPEAKER
S	STRUCTURAL MOUNTED PRO SOUND SPEAKER
C	WALL MOUNTED CLOCK, MOUNTED AT +9'-0" TO CENTER OF CLOCK UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS.
C	WALL MOUNTED DUAL FACED CLOCK, MOUNTED AT +9'-0" TO CENTER OF CLOCK UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS.
GB	GLASS BREAK SENSOR
CR	CARD READER
D	SECURITY ALARM CONTACT
E	SECURITY ALARM ELECTRIC DOOR LOCK
DPS	DOOR POSITION SENSOR
ES	SECURITY ALARM ELECTRIC STRIKE
	CAMERA WITH BUILT-IN MOTION DETECTOR
	GROUND ROD; REFER TO ELECTRICAL DETAILS FOR SIZE REQUIREMENTS.
J	JUNCTION BOX AS REQUIRED
JX	JUNCTION BOX, REFER TO SCHEDULE
X	EMT COMMUNICATION SLEEVE, PROVIDE WITH EMT BUSHINGS ON BOTH ENDS. "X" DENOTES DIAMETER
	WIRE CABLE TRAY
	CIRCUIT HOME RUN TO PANELBOARD
	UNDERLAB/UNDERGROUND HOME RUN TO PANELBOARD
	UNDERSLAB/UNDERGROUND CONDUIT FOR COMMUNICATION
X EXXX	CALL OUT; "X" DENOTES DETAIL NUMBER, "EXXX" DENOTES DRAWING SHEET NUMBER

NOTE: CONTRACTOR IS RESPONSIBLE FOR LOCATIONS AND QUANTITIES OF POWER PACKS. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SENSOR LOCATIONS SUCH THAT SENSORS WORK PROPERLY. ALL SENSORS SHALL HAVE A MINIMUM OF 2 SETS OF CONTACTS.

GENERAL ELECTRICAL NOTES

VERIFY ALL DIMENSIONS FROM THE ARCHITECTURAL PLANS.

DIMENSIONS SHOWN ON OUTLET BOXES AND DEVICES SHALL BE TO THE BOTTOM OF THE BOX.

CONDUIT SHOWN TO LIGHT FIXTURE IS SHOWN TO INDICATE SWITCHING AND DOES NOT INDICATE THE QUANTITY OR EXACT LOCATION OF WIRING AND/OR CONDUIT.

COORDINATE LOCATION OF LIGHT FIXTURES IN AREAS OF MECHANICAL DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR. RELOCATE LIGHT FIXTURES, WIRING AND CONDUIT IF NECESSARY AS DIRECTED BY THE ARCHITECT/ENGINEER.

CONNECT EXIT SIGNS TO LINE SIDE OF (NON-SWITCHABLE) RESPECTIVE LIGHTING CIRCUITS SERVING THESE AREAS.

VERIFY LOCATION OF ALL BACK BOXES IN FOR BUILT-IN FURNITURE WITH EQUIPMENT SUPPLIER BEFORE ROUGH-IN.

PROVIDE AND INSTALL PLASTER RINGS FOR LIGHT FIXTURES WHERE REQUIRED BY CEILING CONSTRUCTION.

VERIFY HEIGHT AND LOCATION OF RECEPTACLES BEHIND ELECTRIC WATER COOLERS WITH THE MECHANICAL CONTRACTOR BEFORE ROUGH-IN.

THE ELECTRICAL LAYOUT DRAWINGS ARE DIAGRAMMATIC. REFER TO THE ENTIRE CONSTRUCTION DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE ELECTRICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK.

PROVIDE ADDITIONAL SUPPORT FOR SWITCHES, STARTERS, RACEWAY, GROUNDING SYSTEMS, AND OTHER ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.

PROVIDE FIRE STOPPING AROUND ALL RACEWAYS PENETRATING FIRE RATED WALLS, FLOORS OR CEILINGS. DESIGN BASIS SHALL BE THOMAS AND BETTS U.L. LISTED FLAME-SAFE STOP SYSTEM OR EQUAL.

COORDINATE ALL ELECTRICAL EQUIPMENT WIRING. ANY CHANGES REQUIRED DUE TO EQUIPMENT BEING SUPPLIED OTHER THAN WHAT IS SPECIFIED SHALL BE BORNE BY THE CONTRACTOR.

SIZING OF BRANCH CIRCUITS AND FEEDERS FOR EQUIPMENT IS BASED ON DESIGN LOADS. PRIOR TO INSTALLATION CONFIRM EXACT LOADS WITH APPROVED SHOP DRAWINGS. BRING DISCREPANCIES TO THE ENGINEER'S ATTENTION FOR DESIGN CHANGES BEFORE ROUGH-IN.

ALL 120 VOLT BRANCH CIRCUITS SHALL BE WIRED WITH 3/4"C, 2 #12, 1 #12G. UNLESS NOTED OTHERWISE ON THE PLANS.

WHERE CONDUIT AND WIRING HAS NOT BEEN SHOWN ON THE DRAWINGS THE ARRANGEMENT AND ROUTING OF LIGHTING AND RECEPTACLE BRANCH CIRCUITS WILL BE AT THE CONTRACTORS DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED GOOD PRACTICE, N.E.C. REQUIREMENTS AND THE FOLLOWING LIMITATIONS:

EXCEPT WHERE NOTED OTHERWISE, SIZE BRANCH CIRCUIT CONDUCTORS WITHIN THE FOLLOWING MAXIMUM LENGTH LIMITS: (MEASURE TO THE CENTER OF THE LOAD FOR LIGHTING AND MOST REMOTE OUTLET FOR RECEPTACLE CIRCUITS).

CIRCUIT BREAKER	CIRCUIT LENGTH	CONDUCTOR SIZE
120V, 20A	110 FEET	#10
	165 FEET	#8
	270 FEET	#6

PROVIDE #12 AWG MINIMUM FOR ALL 120 VOLT CIRCUITS. DE-RATING PER N.E.C. TABLES 310-16 THROUGH 310-31 FOR ALL HOME RUNS WITH MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A RACEWAY.

FOR EQUIPMENT THAT IS TO BE WIRED BY E.C. AND FURNISHED BY OTHERS. E.C. SHALL REVIEW ALL SPECIFICATION SECTIONS, EQUIPMENT SCHEDULES, AND/OR DETAILS THROUGHOUT DOCUMENTS THAT PERTAIN TO THIS EQUIPMENT AND INCLUDE ALL WIRING AND DEVICES REFERENCED IN THEIR BIDS. E.C. SHALL COORDINATE EXACT LOCATION OF THIS EQUIPMENT WITH RESPECTIVE CONTRACTOR PRIOR TO ROUGH-IN/INSTALLATION.

ALL CONDUIT, BOXES, AND WIRING DEVICES IN ALL AREAS SHALL BE RAN IN CONCEALED SPACES OR RECESSED IN WALLS EXCEPT IN MECHANICAL/ELECTRICAL ROOMS OR WITH SPECIFIC PERMISSION FROM ARCHITECT/ENGINEER.

GENERAL ELECTRICAL DEMO NOTES

REMOVE ALL EXPOSED RACEWAY AND WIRE THAT ARE NO LONGER TO BE USED.

BLANK OFF OR REMOVE ALL ABANDONED JUNCTION OR OUTLET BOXES IN WALLS, FLOORS OR CEILINGS THAT ARE TO REMAIN.

REMOVE ALL ELECTRICAL OUTLETS, DEVICES AND RACEWAYS FROM WALLS THAT ARE BEING REMOVED.

REMOVE ALL FLOOR MOUNTED SURFACE RACEWAYS.

DEVICES THAT ARE TO BE REMOVED: REMOVE ALL CONDUIT AND WIRE TO POINT OF TERMINATION.

ALL EXISTING EQUIPMENT THAT IS TO REMAIN SHALL BE OPERATIONAL AT COMPLETION OF PROJECT. CONTRACTOR SHALL REFEED AND/OR RECIRCUIT AS NECESSARY.

OWNER HAS THE RIGHT TO REFUSE THE USE OF ANY EQUIPMENT.

ALL EXISTING RECEPTACLES AND LIGHT SWITCHES THAT ARE TO REMAIN WITHIN REMODELED AREAS SHALL BE REPLACED WITH NEW DEVICES AND COVER PLATES.

THE EXISTING EQUIPMENT SHOWN IS A REASONABLE INDICATION OF THE EXISTING LAYOUT. EXACT LOCATION AND QUANTITY TO BE DETERMINED BY CONTRACTOR AT THE JOB SITE. THE EXISTING LOCATIONS ARE FOR THE USE OF THE CONTRACTOR ONLY AND NOT TO BE USED FOR BIDDING PURPOSES.

LIGHT LINETYPES INDICATE EXISTING DEVICES TO REMAIN. DARK DASHED LINETYPES INDICATE EXISTING DEVICES TO BE REMOVED.

FOLLOW EPA GUIDELINES FOR DISPOSAL OF ANY HAZARDOUS CONTAINING LIGHT FIXTURES, LAMPS, OR OTHER DEVICES.

WHERE CUTTING EXISTING BUILDING FLOORS, WALLS, CEILINGS OR ROOF ARE REQUIRED TO PERFORM ELECTRICAL CONSTRUCTION, AND NO RESTORATION IS CALLED FOR BY OTHER CONSTRUCTION TRADES WITHIN DOCUMENTS, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH THE RESTORATION OF ALL ADJACENT SURFACES TO MATCH EXISTING. REFER TO ENTIRE SET OF DRAWINGS AND SPECIFICATIONS FOR COORDINATION.

ELECTRICAL LINETYPE SCHEDULE

LIGHT LINE: EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

DASHED LINE: ITEMS TO BE DEMOLISHED OR REMOVED, UNLESS NOTED OTHERWISE.

DARK LINE: NEW EQUIPMENT AND MATERIAL UNLESS NOTED OTHERWISE.

LIGHT FIXTURE SCHEDULE

TYPE	BASIS OF DESIGN	APPROVED MANUFACTURERS	WATTS	VOLTAGE	MOUNTING	REMARKS	DESCRIPTION
			69 W				
BL1		LITHONIA	20 W				
BL2	WF8-LED-40K-MVOLT-90CRI-MW-W/ 14000 LUMEN BATTERY PACK	LITHONIA HUBBELL COOPER	20 W	120/ 277			
BL2E	WF8-LED-40K-MVOLT-90CRI-MW-W/ 14000 LUMEN BATTERY PACK	LITHONIA HUBBELL COOPER	20 W	120/ 277			
BL3E		LITHONIA	20 W				
EX1	<varies>	LITHONIA HUBBELL COOPER	7 W	<varies>			
L01	EPANL 2X4 6000LM 80CRI 40K MIN10 EZT MVOLT	LITHONIA HUBBELL COOPER	38 W	120/ 277			
L01E	EPANL 2X4 6000LM 80CRI 40K MIN10 EZT MVOLT WITH GTD	LITHONIA HUBBELL COOPER	38 W	120/ 277			
L02	EPANL 2X4 3000LM 80CRI 40K MIN10 EZT MVOLT	LITHONIA HUBBELL COOPER	23 W	120/ 277			
L02E	EPANL 2X4 3000LM 80CRI 40K MIN10 EZT MVOLT WITH GTD	LITHONIA HUBBELL COOPER	32 W	120/ 277			
L03	EPANL 2X2 2000LM 80CRI 40K MIN10 EZT MVOLT	LITHONIA HUBBELL COOPER	18 W	120/ 277			
L03E	EPANL 2X2 2000LM 80CRI 40K MIN10 EZT MVOLT WITH GTD	LITHONIA HUBBELL COOPER	30 W	120/ 277			
L04	WF8-LED-40K-MVOLT-90CRI-MW	LITHONIA HUBBELL COOPER	20 W	120/ 277			
L05	CLX 4FT 5000LM		0 W	120/ 277			
L05E			32 W	120/ 277			
L06	EPANL 2X4 4800LM 80CRI 40K MIN10 EZT MVOLT WITH GTD	LITHONIA HUBBELL COOPER	46 W	120/ 277			
L06E	EPANL 2X4 4800LM 80CRI 40K MIN10 EZT MVOLT WITH GTD	LITHONIA HUBBELL COOPER	46 W	120/ 277			
L07	EPANL 2X2 2000LM 80CRI 40K MIN10 EZT MVOLT	LITHONIA HUBBELL COOPER	18 W	120/ 277	<varies>	<varies>	
L07E	EPANL 2X2 2000LM 80CRI 40K MIN10 EZT MVOLT WITH GTD	LITHONIA HUBBELL COOPER	45 W	120/ 277	<varies>	<varies>	
L08	6 ft recessed in drywall with flange		69 W				
L09	8ft recessed in drywall with flange		69 W				
L10	sq wf fixture						
L11	8 ft l shape recessed in drywall with flange		69 W				
L12	6 ft l shape recessed in drywall with flange		69 W				
L13	10ft section recessed in grid. 15/16th 6" white with regressed lens		69 W				
L13E	10ft section recessed in grid. 15/16th 6" white with regressed lens		69 W				
L14	CLX 8FT 10LM		64 W	120/ 277			
L14E	CLX 8FT 10LM		0 W	120/ 277			
L15	OCL ARO CLUSTER 3 RING					<varies>	
L16	DARK RM FICTURES	LITHONIA HUBBELL COOPER	0 W	120/ 277			
L17	50 FT PENDANT LOP WHAT COLOR HOUSING?		69 W				
L17E	SAME WITH EM		69 W				
L18	4 FT PENDANT WHAT HOUSING COLOR?		69 W				
L19	8ft recessed in drywall with flange - REGRESSED LENS 6" WIDE WITH BLACK HOUSING		69 W				
L20	4 FT RECESSED IN GRID 600LM REGRESSED LENS		69 W				
L20E	SAME WITH EM		69 W				
L21	16 FT SECTION RECESSED IN GRID REGRESSED LENS		69 W				
L22	12 FT SECTION RECESSED IN GRID FLUSH LENS		69 W				
L22E	SAME WITH EM		69 W				
L23	8ft recessed in drywall with flange		69 W				
L23E	8ft recessed in drywall with flange		75 W				
L24	WAVEP-4-850-U10-WSA4-DEF4-NAT	LUX DYNAMICS	862 W	120/ 277	PENDANT	CONTRACTOR RESPONSIBLE FOR CORD AND MOUNTING REQUIREMENTS OF FIXTURE. ALL FIXTURE CONNECTIONS SHALL BE WATERTIGHT.	
L25	VPF8L LSL 8FT MSL4 MIN10 70W 50K MVOLT OPAL WHT RG46 WL DRCP	LITHONIA HUBBELL COOPER	50 W	120/ 277	PENDANT	COLOR TEMP IN POOL AND GREENHOUSE SHALL BE 5000K. ALL MOUNTING HARDWARE FOR FIXTURE TO BE WATERTIGHT RESPONSIBILITY OF CONTRACTOR.	
L25E	SAME AS L25 WITH GTD.	LITHONIA HUBBELL COOPER	50 W	120/ 277	PENDANT	COLOR TEMP IN POOL AND GREENHOUSE SHALL BE 5000K. ALL MOUNTING HARDWARE FOR FIXTURE TO BE WATERTIGHT RESPONSIBILITY OF CONTRACTOR.	
L26	VPF8L LSL 8F4 MSL2 MIN10 50W 50K MVOLT OPAL WHT RG46 WL DRCP		50 W	120/ 277			
L26E	VPF8L LSL 8F4 MSL2 MIN10 50W 50K MVOLT OPAL WHT RG46 WL DRCP		50 W	120/ 277	<varies>	<varies>	
L27	2WRTL G L24 5000LM IAW AFL MVOLT EZ1 50K 80CRI DWHXD	LITHONIA HUBBELL COOPER	42 W	120/ 277	<varies>	<varies>	
L27E	2WRTL G L24 5000LM IAW AFL MVOLT EZ1 50K 80CRI BGTD DWHXD	LITHONIA HUBBELL COOPER	42 W	120/ 277	<varies>	<varies>	
L28	WRTL F L48 3000LM IAW AFL MVOLT EZ1 40K 80CRI DWHXD	LITHONIA HUBBELL COOPER	27 W	120/ 277	RECESSED		
L29E	16 FT SECTION RECESSED IN GRID REGRESSED LENS		69 W				
L30			69 W				
L31			69 W				
L31E			69 W				
L32			69 W				
L33	16 FT SECTION RECESSED IN GRID REGRESSED LENS		69 W				
L34	2WRTL G L48 5000LM IAW AFL MVOLT EZ1 50K 80CRI DWHXD	LITHONIA HUBBELL COOPER	39 W	120/ 277	<varies>		
L34E	2WRTL G L48 5000LM IAW AFL MVOLT EZ1 50K 80CRI BGTD DWHXD	LITHONIA HUBBELL COOPER	39 W	120/ 277	<varies>		
L35	MRW LED UPLIGHT COLOR PICKED BY ARCH	LITHONIA	20 W				
L36			69 W				
L37			69 W				
L39	wall mount slot indirect/direct light		0 W	120/ 277			
L39E	wall mount slot indirect/direct light		0 W	120/ 277			
SL1							
SL2							
SL3							
SL4							

VARIABLE FREQUENCY DRIVE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	EQUIPMENT SERVED	MOTOR SIZE (HP)	VOLTAGE/PHASE	BYPASS	REMARKS
VFD-P1	Square D	SFLEX 212	PUMP P-1	40	480/3PH	YES	1,2,3,4,5,6
VFD-P2	Square D	SFLEX 212	PUMP P-2	40	480/3PH	YES	1,2,3,4,5,6
VFD-P3	Square D	SFLEX 212	PUMP P-3	40	480/3PH	YES	1,2,3,4,5,6
VFD-P4	Square D	SFLEX 212	PUMP P-4	30	480/3PH	YES	1,2,3,4,5,6
VFD-P5	Square D	SFLEX 212	PUMP P-5	30	480/3PH	YES	1,2,3,4,5,6
VFD-P9	Square D	SFLEX 212	PUMP P-9	3	480/3PH	YES	1,2,3,4,5,6

REMARKS:
1. HAND OFF-AUTO SELECTION
2. GREEN NEON "RUN" LIGHT
3. SOLID STATE OVERLOADS
4. PROVIDE INTERLOCKS
5. BY-PASS
6. BACNET CARD

VFD SHALL HAVE NEMA 1 ENCLOSURE, MAIN CIRCUIT BREAKER, PLENUM RATED, BACKLIT LED GRAPHIC KEYPAD, 1 NO RUN CONTACT, 1 NC FAULT CONTACT, 1 NO BY-PASS CONTACT.

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: GENERAL ELEC NOTES, SCHEDULES & SYMBOLS

SHEET: E600

COMM #: 2265

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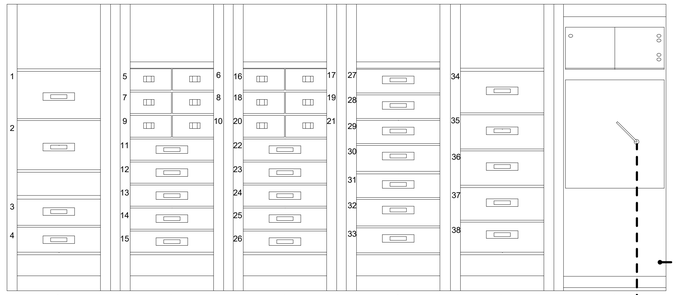

EX. SERVICE TRANSFORMER SHALL BE DEMOLISHED IN ITS ENTIRETY BY EC UPON THE SWITCHOVER OF ELECTRICAL SERVICES IN THE BUILDING. COORDINATE WITH PHASING OF WORK AND PLACEMENT OF NEW EQUIPMENT AS REQUIRED. COORDINATE ALL DOWNTIME WITH THE OWNER AND UTILITY SERVICE AS REQUIRED.

TAPPED OFF MAIN SWITCHGEAR BUS DUCT AHEAD OF MAIN SWITCH

EX. 100-3P FUSED DISCONNECT

EX. PANEL XA 480/277V 100A ROOM BOILER

5KVA ROOM BOILER TX

FIRE ALARM PANEL

FIRE ALARM PANEL SHALL REMAIN OPERATIONAL FOR THE ENTIRETY OF CONSTRUCTION. COORDINATE ALL REQUIREMENTS OF SYSTEM AND SWITCHOVER WITH PHASING REQUIREMENTS AND ALL CONTRACTORS.

EXISTING DISCONNECT AND FEEDER SHALL BE DEMOLISHED. COORDINATE DOWNTIME OF EXISTING EQUIPMENT WITH OWNER.

EXISTING MDP, 277/480V 3Ø,4W, 2500A BUSS

600A/3P MDP-1 — N. CHILLER CIRCUIT #1 600A/3P — CHILLER YARD

600A/3P MDP-2 — S. CHILLER CIRCUIT #1 600A/3P — CHILLER YARD

400A/3P MDP-3 — N. CHILLER CIRCUIT #2 400A/3P — CHILLER YARD

400A/3P MDP-4 — S. CHILLER CIRCUIT #2 400A/3P — CHILLER YARD

30A/3P? MDP-5 — AHU 10 — ROOM XXX

30A/3P? MDP-6 — AHU 21 — ROOM XXX

100A/3P MDP-7 — 30KVA ROOM BOILER TX — EX. PANEL CM 120/208V 100A — ROOM AUD MEZZ

100A/3P MDP-8 — 45KVA ROOM SCI STOR TX — EX. PANEL 1L6 120/208V 150A — ROOM EX. SCI STR — TUB 2

APPEARS TO BE FED FROM SECTION 5 OF GEAR. EXACT LOCATION UNKNOWN.

TX — EX. PANEL CO 120/208V 400A — ROOM EX. BOILER

PANEL 1L5 TO BE RELOCATED TO NEW WALL IN AREA. REFER TO POWER PLANS. COORDINATE ALL DOWNTIME WITH THE OWNER.

EX. PANEL 1L5 120/208V 225A — ROOM EX. OFFICE

100A/3P MDP-9 — 75KVA ROOM SCI STOR TX — EX. PANEL CB 120/208V XXA — ROOM EX. BOILER

100A/3P MDP-10 — EX. PANEL 2H1 480/277V 225A — ROOM EX. LMC

45KVA ROOM LMC TX — EX. PANEL 2L1-TUBA 120/208V 150A — ROOM EX. LMC — TUB B

EX. CONTACTOR — EX. PANEL 2L2 120/208V 225A — ROOM LMC

EX. CONTACTOR — EX. PANEL 2L3 120/208V 225A — ROOM LMC

200A/3P MDP-11 — TX — EX. PANEL INDUSTRIAL COMP XXA — ROOM XXX

TX — EX. PANEL INDUSTRIAL COMP XXA — ROOM XXX

200A/3P MDP-12 — 75KVA ROOM BOILER TX — EX. PANEL CK 120/208V 225A — ROOM EX. BOILER

200A/3P MDP-13 — 112.5KVA ROOM BOILER TX — EX. PANEL EF 120/208V 200A — ROOM SHOP ELEC

200A/3P MDP-14 — EX. PANEL CL 480V 225A — ROOM EX. BOILER

200A/3P MDP-15 — EX. PANEL CC 480/277V 225A — ROOM TECH RM

45KVA ROOM TECH RM TX — EX. PANEL CD 120/208V 225A — ROOM TECH RM

60A/3P MDP-16 — TRASH COMPACTOR — EXTERIOR OUTSIDE BOILER RM

60A/3P MDP-17 — 30KVA ROOM BOILER TX — EX. PANEL CF 120/208V 225A — ROOM OFFICE

100A/3P MDP-18 — EX. PANEL CE 480/277V 225A — ROOM OFFICE

100A/3P MDP-19 — 45KVA ROOM BOILER TX — EX. PANEL ED 120/208V 225A — ROOM SHOP ELEC

100A/3P MDP-20 — POOL EQUIP — ROOM XXX

100A/3P MDP-21 — 75KVA ROOM BOILER TX — EX. PANEL EE 120/208V 225A — ROOM SHOP ELEC — EX. PANEL EH 120/208V 100A — ROOM SHOP ELEC

200A/3P MDP-22 — EX. PANEL EC 480/277V 225A — ROOM SHOP ELEC

45KVA ROOM TECH RM TX — EX. PANEL 1L13 120/208V --A — ROOM TECH RM

200A/3P MDP-23 — EX. PANEL EA 480/277V 225A — ROOM CORRIDOR

45KVA ROOM GYM STOR TX — EX. PANEL EB 120/208V 225A — ROOM CORRIDOR

45KVA ROOM GYM STOR TX — EX. PANEL 1L9 120/208V 100A — ROOM FB LKRM

EX. PANEL 1L10 120/208V 225A — ROOM GRNHOUSE

EXISTING GREENHOUSE PANEL TO REMAIN AND RECEIVE NEW PANEL ENCLOSURE. COORDINATE WITH PHASING OF WORK FOR TEMPORARY FEED REQUIRED TO KEEP THIS PANEL OPERATIONAL DURING CONSTRUCTION. REFER TO NEW ELECTRICAL ONE-LINE (MDP2) FOR NEW PERMANENT SERVICE OF PANEL.

EXISTING MDP BUSS CONTINUED

200A/3P MDP-24 — 75KVA ROOM BOILER TX — EX. PANEL 1L4 TUB A 120/208V 225A — ROOM SHOP ELEC — TUB B

EX. CONTACTOR — EX. PANEL 1L1 120/208V 225A — ROOM CORRIDOR

EX. CONTACTOR — EX. PANEL 1L2 120/208V 225A — ROOM CORRIDOR

EX. CONTACTOR — EX. PANEL 1L3 120/208V 225A — ROOM CORRIDOR

200A/3P MDP-25 — EX. PANEL 1H2 480/277V 200A — ROOM CONCESS

30KVA ROOM CONCESS TX — EX. PANEL 1L11 120/208V 100A — ROOM CONCESS

EXISTING PANEL SHALL BE REFED FROM NEW ATHLETIC BUILDING. REFER TO ATHLETIC BUILDING ONE-LINE DIAGRAM FOR MORE INFORMATION. COORDINATE DOWNTIME WITH OWNER AND ALL CONTRACTORS.

EXISTING PANEL IS SHOWN FED FROM 2 SECTIONS OF EXISTING MDP. CONTRACTOR SHALL FIELD VERIFY EXACT PANEL FEEDS THAT ARE TO BE DEMOLISHED.

200A/3P MDP-26 — EX. ELEVATOR UNIT-F — ROOM XXX

200A/3P MDP-27 — EX. PANEL CH 480/277V 225A — ROOM N. AUDITRM

45KVA ROOM N. AUDITRM TX — EX. PANEL CJ 120/208V 225A — ROOM N. AUDITRM

200A/3P MDP-28 — EX. PANEL CA 480/277V 225A — ROOM EX. BOILER

200A/3P MDP-29 — EX. PANEL FB 480/277V 400A — ROOM EX. UPPER DECK

200A/3P MDP-30 — EX. ELEVATOR UNIT-A — ROOM XXX

200A/3P MDP-31 — EX. PANEL AA 480/277V 225A — ROOM C106 ELEC

45KVA ROOM C106 ELEC TX — EX. PANEL AB 120/208V 225A — ROOM C106 ELEC

200A/3P MDP-32 — EX. PANEL 1H2 480/277V 200A — ROOM CONCESS

30KVA ROOM CONCESS TX — EX. PANEL 1L11 120/208V 100A — ROOM CONCESS

400A/3P MDP-33 — EX. PANEL HDP 480/277V 400A — ROOM EX. MECH GYM

EX. PANEL 1H1 480/277V 225A — ROOM J104 ELEC

45KVA ROOM J104 ELEC TX — EX. PANEL 1L8(A) 120/208V 150A — ROOM J104 ELEC — TUB B

EX. PANEL 1L12 120/208V 225A — ROOM H119 MECH

EX. PANEL 2L6 120/208V 225A — ROOM WRES

30KVA ROOM EX. MECH TX — EX. PANEL 2L5 120/208V 150A — ROOM C106 ELEC

EX. PANEL 1L7 120/208V 100A — ROOM J135 ELEC — TUB B

400A/3P MDP-34 — 150KVA ROOM STAGE MEZ TX — EX. PANEL STAGE DIMMER 120/208V 400A — ROOM STAGE

400A/3P MDP-35 — EX. PANEL FE 480/277V 225A — ROOM CORRIDOR

45KVA ROOM GYM STOR TX — EX. PANEL FC 120/208V 225A — ROOM UPPER GYM

45KVA ROOM GYM STOR TX — EX. PANEL 2L4 120/208V 100A — ROOM CORRIDOR

400A/3P MDP-36 — EX. DISHWASHER — ROOM XXX

400A/3P MDP-37 — EX. PANEL CN 480V 225A — ROOM AUDITRM

400A/3P MDP-38 — EX. PANEL AG 480V 400A — ROOM C106 ELEC

1 E601 EXISTING ELECTRICAL RISER DIAGRAM

NTS

RYAN J. BOWLAND REGISTERED No. PE0910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV

BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:

DANVILLE COMMUNITY HIGH SCHOOL

DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: EXISTING ELECTRICAL ONE-LINE DIAGRAM

SHEET: E601

COMM #: 2265

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CONFIRM VOLTAGE WITH UTILITY COMPANY FOR NEW UTILITY TRANS

TRANSFORMER SCHEDULE

TAG	LOCATION	SIZE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	TEMP. RISE	ENCLOSURE	FED FROM	MOUNTING
TX-1-MDP		2500 kVA	12000	480	150	Type 3R		PAD MOUNT
TX-1-MDP		2500 kVA	12000	480	150	Type 3R		PAD MOUNT
TX-2	TR-9/ELEC C207	225 kVA	480	208	150	Type 2	2HVC1	FLOOR
TX-2-MDP		2500 kVA	12000	480	150	Type 3R		PAD MOUNT
TX-3	TR-9/ELEC C207	75 kVA	480	208	150	Type 2	2HVC1	FLOOR
TX-4	STORAGE E206	45 kVA	480	208	150	Type 2	2HVE1	FLOOR
TX-5	ELECTRICAL H204	75 kVA	480	208	150	Type 2	2HVH2	STRUCTURE/ WALL MOUNT
TX-6	J.C. H127	75 kVA	480	208	150	Type 2	1HVG1	STRUCTURE/ WALL MOUNT
TX-7	ELECTRICAL H204	75 kVA	480	208	150	Type 2	2HVH3	STRUCTURE/ WALL MOUNT
TX-8	ELEC. G150	45 kVA	480	208	150	NEMA 4X SS	1HVG2	FLOOR
TX-DP1	ELEC. ROOM C106	300 kVA	480	208	150	Type 2	MDP1	FLOOR
TX-DP2	BOILER ROOM D115	300 kVA	480	208	150	Type 2	MDP1	FLOOR
TX-DP3	ELEC. ROOM F113	225 kVA	480	208	150	Type 2	MDP2	FLOOR
TX-K	BOILER ROOM D115	225 kVA	480	208	150	Type 2		FLOOR
TX-LS1	BOILER ROOM D115	30 kVA	480	208	150	Type 2	HV-LS1	STRUCTURE/ WALL MOUNT
TX-LS2	ELEC. ROOM F113	30 kVA	480	208	150	Type 2	HV-LS2	STRUCTURE/ WALL MOUNT
TX-OS1	BOILER ROOM D115	75 kVA	480	208	150	Type 2	HV-OS1	STRUCTURE/ WALL MOUNT
TX-OS2	ELEC. ROOM F113	45 kVA	480	208	150	Type 2	HV-OS1	FLOOR

ALL TRANSFORMERS ARE LISTED WITHIN TRANSFORMER SCHEDULE. REFER TO INDIVIDUAL ONE-LINE DIAGRAMS FOR DISTRIBUTION WITHIN EACH SERVICE (MDP1 AND MDP2).

GENERATOR SCHEDULE

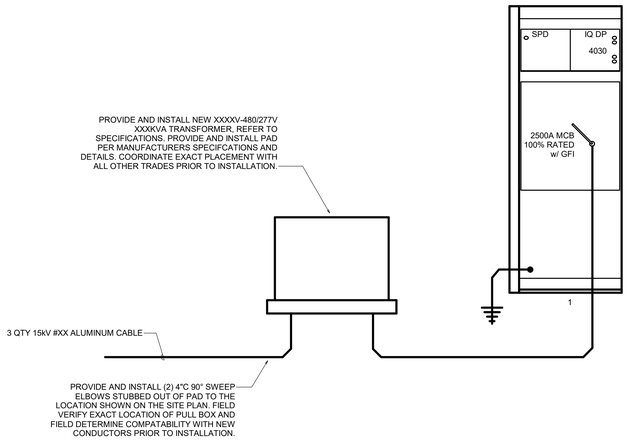
TAG	MANUFACTURER	MODEL	DIMENSIONS (L x W x H)	FUEL TYPE	FUEL CAPACITY (HOURS)	VOLTAGE	CIRCUIT BREAKER #1	CIRCUIT BREAKER #2	ENCLOSURE TYPE	REMARKS
NEW GENERATOR	GENERAC	SD500	228" X 70.9" X 139.1"	DIESEL	28 HR TANK	480V	150A/3P 100% RATED	350A/3P 100% RATED	LEVEL 2	1,2,3,4,5,6

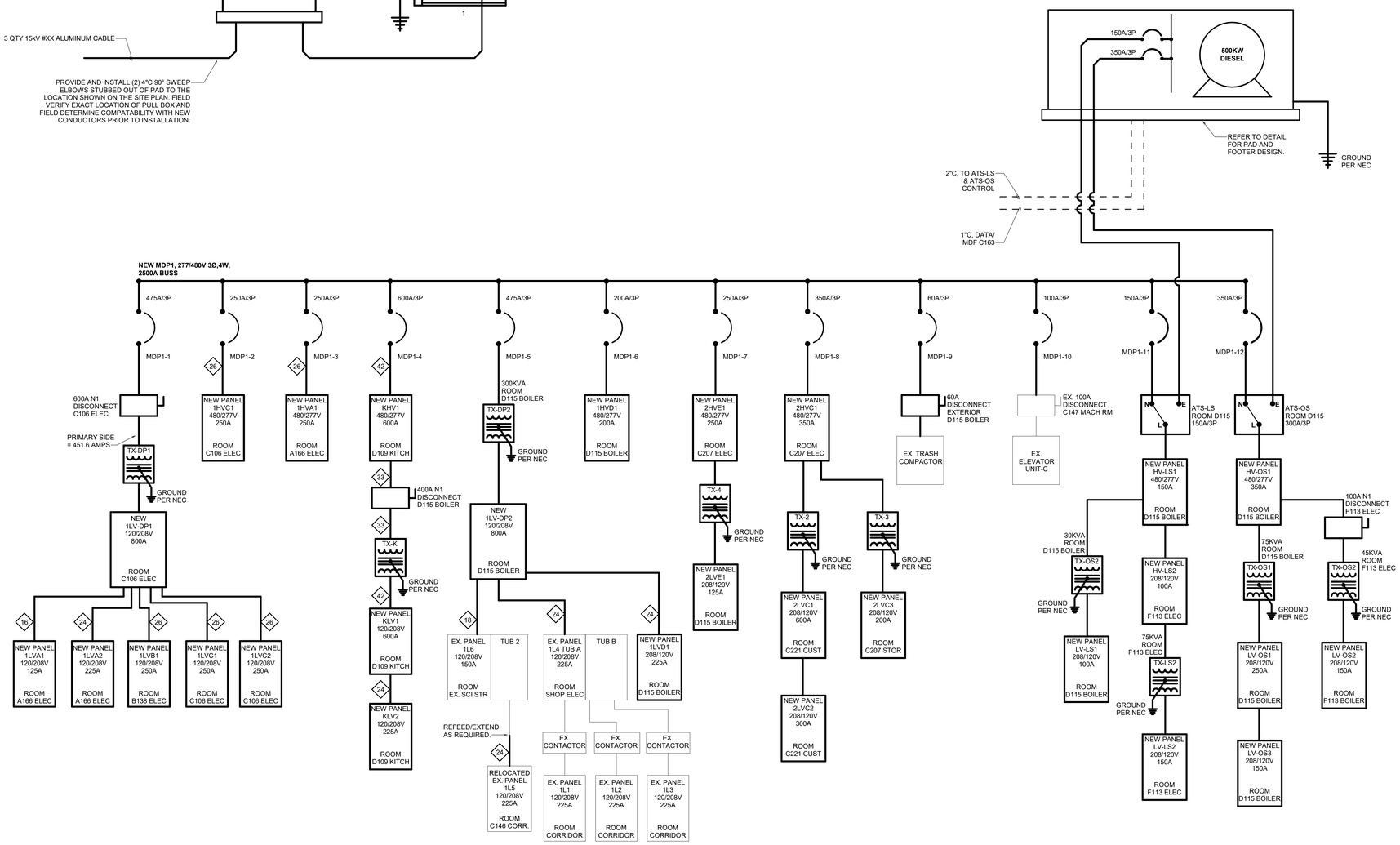
REMARKS:
1. REFER TO SPECIFICATIONS FOR ALL REQUIREMENTS.
2. FURNISH AND INSTALL ALL COMMUNICATIONS BETWEEN REMOTE ANNUNCIATOR AND GENERATOR. COORDINATE LOCATION WITH OWNER.
3. FURNISH AND INSTALL ALL COMMUNICATIONS BETWEEN GENERATOR AND BMS. COORDINATE WITH PROPER TRADES.
4. PROVIDE MINIMUM OF 4 FOOT WORKSPACE AROUND PERIMETER OF UNIT FOR WORKING CLEARANCES.
5. APPROVED EQUAL GENERATOR MANUFACTURER SHALL BEAR ANY ADDITIONAL COSTS FOR INCREASED PAD SIZE.
6. COORDINATE SIZE AND QUANTITY OF CONDUITS FOR COMMUNICATION CABLES. FURNISH AND PROVIDE ALL WIRING FOR COMMUNICATIONS AND CONTROLS.

DISTRIBUTION BOARD: MDP1
LOCATION: BOILER ROOM D115 **VOLTS:** 480/277 Wye **A.I.C. RATING:** 42,000
SUPPLY FROM: **PHASES:** 3 **MAINS TYPE:** Breaker
MOUNTING: Floor **WIRES:** 4 **MAINS RATING:** 2500 A
ENCLOSURE: Type 1 **MCB RATING:** 2500 A
REMARKS: METER, SPD

CKT	CIRCUIT DESCRIPTION	# OF...	FRAM...	TRIP...	LOAD	REMARKS
1	TRANSFORMER TX-DP1	3	475 A	475 A	229555 VA	
2	PANEL 1HVC1	3	250 A	250 A	114724 VA	
3	PANEL 1HVA1	3	250 A	250 A	51147 VA	
4	PANEL KHV1	3	600 A	600 A	118706 VA	
5	TRANSFORMER TX-DP2	3	475 A	475 A	126245 VA	
6	PANEL 1HVD1	3	200 A	200 A	72692 VA	
7	PANEL 2HVE1	3	250 A	250 A	61901 VA	
8	PANEL 2HVC1	3	350 A	350 A	184110 VA	
9	TRASH COMPACTOR	3	60 A	60 A	22421 VA	
10	EX. ELEVATOR (UNIT-C)	3	100 A	100 A	66400 VA	
11	HV-LS1	3	150 A	150 A	95763 VA	
12	HV-OS1	3	350 A	350 A	167211 VA	
13						
14						
15	SPARE	1	400 A	400 A	129923 VA	
16						
17						
18						
19						
20						
21						
22						
23						
24						
				TOTAL CONNECTED...	1433786 VA	
				TOTAL AMPS:	1725 A	

LOAD CLASSIFICATION	CONNECTED...	DEMAND...	ESTIMATED...	PANEL TOTALS	
Power	115383 VA	100.00%	115383 VA		
LIGHTING	68647 VA	100.00%	68647 VA	TOTAL CONN. LOAD:	1433786 VA
HVAC	296812 VA	100.00%	296812 VA	TOTAL EST. DEMAND:	1222307 VA
Motor	66432 VA	100.00%	66432 VA	TOTAL CONN. CURRENT:	1725 A
Other	38165 VA	100.00%	38165 VA	TOTAL EST. DEMAND...	1470 A
Spare	255859 VA	100.00%	255859 VA		
RECEPTACLE	433470 VA	51.15%	221735 VA		
LTG	6200 VA	100.00%	6200 VA		
MOTOR	1500 VA	100.00%	1500 VA		
MOTORS	160028 VA	100.00%	160028 VA		





WIRE & CONDUIT SCHEDULE

NOTE #	MAX AMPS	CONDUIT, CONDUCTORS, GROUND	NOTE #	MAX AMPS	CONDUIT, CONDUCTORS, GROUND
1	20A	3/4"C, 3-#12, 1-#12G	27	285A	2-1/2"C, 3-#300KcMil, 1-#4G
2	20A	3/4"C, 4-#12, 1-#12G	28	285A	2-1/2"C, 4-#300KcMil, 1-#4G
3	30A	3/4"C, 3-#10, 1-#10G	29	310A	2-1/2"C, 3-#350KcMil, 1-#4G
4	30A	3/4"C, 4-#10, 1-#10G	30	310A	3"C, 4-#350KcMil, 1-#4G
5	50A	3/4"C, 3-#8, 1-#10G	31	335A	2-1/2"C, 3-#400KcMil, 1-#3G
6	50A	3/4"C, 4-#8, 1-#10G	32	335A	3"C, 4-#400KcMil, 1-#3G
7	65A	3/4"C, 3-#6, 1-#10G	33	380A	3"C, 3-#500KcMil, 1-#3G
8	65A	1"C, 4-#6, 1-#10G	34	380A	3"C, 4-#500KcMil, 1-#3G
9	85A	1"C, 3-#4, 1-#8G	35	420A	3"C, 3-#600KcMil, 1-#3G
10	85A	1-1/2"C, 4-#4, 1-#8G	36	420A	3-1/2"C, 4-#600KcMil, 1-#3G
11	100A	1"C, 3-#3, 1-#8G	37	475A	3-1/2"C, 3-#750KcMil, 1-#2G
12	100A	1-1/2"C, 4-#3, 1-#8G	38	475A	4"C, 4-#750KcMil, 1-#2G
13	115A	1-1/2"C, 3-#2, 1-#6G	39	510A	2 SETS OF (2"C, 3-#250KcMil, 1-#2G)
14	115A	1-1/2"C, 4-#2, 1-#6G	40	510A	2 SETS OF (2-1/2"C, 4-#250KcMil, 1-#2G)
15	130A	1-1/2"C, 3-#1, 1-#6G	41	620A	2 SETS OF (2-1/2"C, 3-#350KcMil, 1-#1G)
16	130A	1-1/2"C, 4-#1, 1-#6G	42	620A	2 SETS OF (3"C, 4-#350KcMil, 1-#1G)
17	150A	1-1/2"C, 3-#1/0, 1-#6G	43	760A	2 SETS OF (3"C, 3-#500KcMil, 1-#1/0G)
18	150A	1-1/2"C, 4-#1/0, 1-#6G	44	760A	2 SETS OF (3"C, 4-#500KcMil, 1-#1/0G)
19	175A	1-1/2"C, 3-#2/0, 1-#6G	45	840A	2 SETS OF (3"C, 3-#600KcMil, 1-#1/0G)
20	175A	2"C, 4-#2/0, 1-#6G	46	840A	2 SETS OF (3-1/2"C, 4-#600KcMil, 1-#1/0G)
21	200A	2"C, 3-#3/0, 1-#6G	47	1005A	3 SETS OF (3"C, 3-#400KcMil, 1-#2/0G)
22	200A	2"C, 4-#3/0, 1-#6G	48	1005A	3 SETS OF (3"C, 4-#400KcMil, 1-#2/0G)
23	230A	2"C, 3-#4/0, 1-#4G	49	1260A	3 SETS OF (3"C, 3-#600KcMil, 1-#3/0G)
24	230A	2-1/2"C, 4-#4/0, 1-#4G	50	1260A	3 SETS OF (3-1/2"C, 4-#600KcMil, 1-#3/0G)
25	255A	2"C, 3-#250KcMil, 1-#4G	51	1680A	4 SETS OF (3"C, 3-#600KcMil, 1-#4/0G)
26	255A	2-1/2"C, 4-#250KcMil, 1-#4G	52	1680A	4 SETS OF (3-1/2"C, 4-#600KcMil, 1-#4/0G)

1 E602 NEW ELECTRICAL RISER DIAGRAM MDP1
NTS

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

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BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: **PURSIFULL**
DATE: **JANUARY 16, 2024**
SHEET NAME: **NEW ELECTRICAL ONE-LINE DIAGRAM MDP1**

SHEET: **E602**
COMM #: 2265

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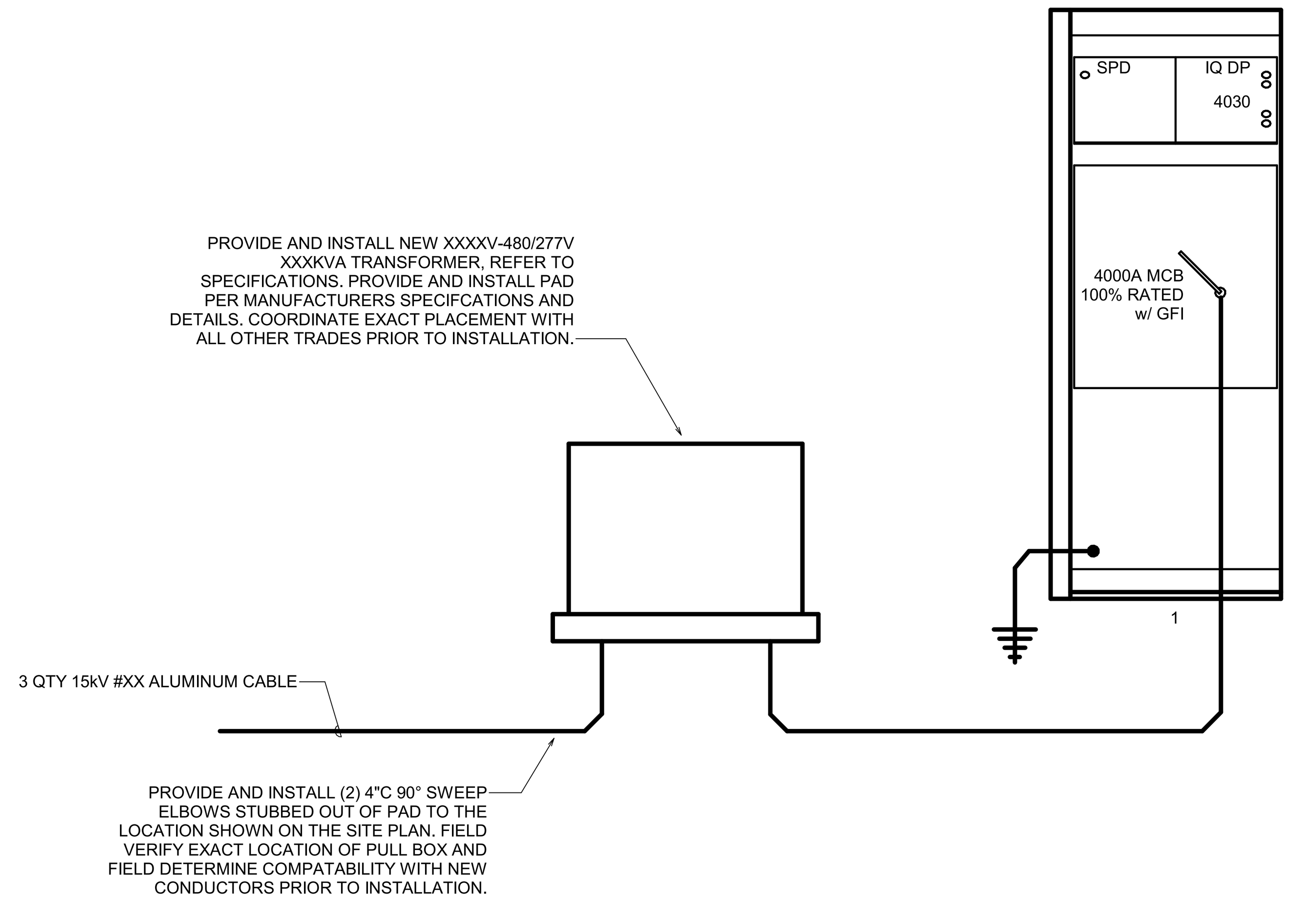


TRANSFORMER SCHEDULE

TAG	LOCATION	SIZE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	TEMP. RISE	ENCLOSURE	FED FROM	MOUNTING
TX-1-MDP		2500 kVA	12000	480	150	Type 3R		PAD MOUNT
TX-1-MDP		2500 kVA	12000	480	150	Type 3R		PAD MOUNT
TX-2	TR-9/ELEC C207	225 kVA	480	208	150	Type 2	2HVC1	FLOOR
TX-2-MDP		2500 kVA	12000	480	150	Type 3R		PAD MOUNT
TX-3	TR-9/ELEC C207	75 kVA	480	208	150	Type 2	2HVC1	FLOOR
TX-4	STORAGE E206	45 kVA	480	208	150	Type 2	2HVE1	FLOOR
TX-5	ELECTRICAL H204	75 kVA	480	208	150	Type 2	2HVH2	STRUCTURE/ WALL MOUNT
TX-6	J.C. H127	75 kVA	480	208	150	Type 2	1HVG1	STRUCTURE/ WALL MOUNT
TX-7	ELECTRICAL H204	75 kVA	480	208	150	Type 2	2HVH3	STRUCTURE/ WALL MOUNT
TX-8	ELEC. G150	45 kVA	480	208	150	NEMA 4X SS	1HVG2	FLOOR
TX-DP1	ELEC. ROOM C106	300 kVA	480	208	150	Type 2	MDP1	FLOOR
TX-DP2	BOILER ROOM D115	300 kVA	480	208	150	Type 2	MDP1	FLOOR
TX-DP3	ELEC. ROOM F113	225 kVA	480	208	150	Type 2	MDP2	FLOOR
TX-K	BOILER ROOM D115	225 kVA	480	208	150	Type 2		FLOOR
TX-LS1	BOILER ROOM D115	30 kVA	480	208	150	Type 2	HV-LS1	STRUCTURE/ WALL MOUNT
TX-LS2	ELEC. ROOM F113	30 kVA	480	208	150	Type 2	HV-LS2	STRUCTURE/ WALL MOUNT
TX-OS1	BOILER ROOM D115	75 kVA	480	208	150	Type 2	HV-OS1	STRUCTURE/ WALL MOUNT
TX-OS2	ELEC. ROOM F113	45 kVA	480	208	150	Type 2	HV-OS1	FLOOR

ALL TRANSFORMERS ARE LISTED WITHIN TRANSFORMER SCHEDULE. REFER TO INDIVIDUAL ONE-LINE DIAGRAMS FOR DISTRIBUTION WITHIN EACH SERVICE (MDP1 AND MDP2).

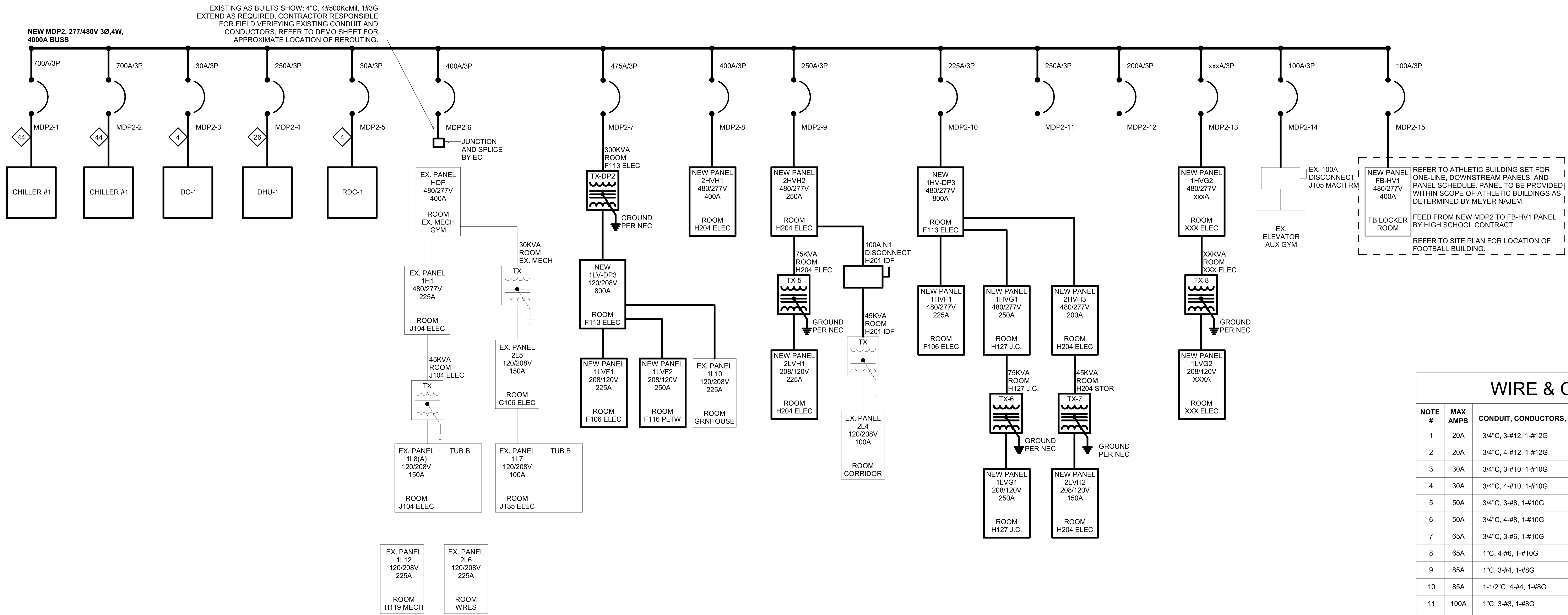
DISTRIBUTION BOARD: MDP2

LOCATION: ELEC. ROOM F113 — VOLTS: 480/277 Wye — A.I.C. RATING: 42,000
SUPPLY FROM: — PHASES: 3 — MAINS TYPE: Breaker
MOUNTING: FLOOR — WIRES: 4 — MAINS RATING: 4000 A
ENCLOSURE: Type 1 — MCB RATING: 4000 A
REMARKS: METER, SPD

CKT	CIRCUIT DESCRIPTION	# OF...	FRAM...	TRIP...	LOAD	REMARKS
1	CHILLER #1	3	700 A	700 A	497410 VA	
2	CHILLER #2	3	700 A	700 A	497410 VA	
3	DC-1	3	30 A	30 A	4701 VA	
4	DHU-1	3	250 A	250 A	23251 VA	
5	RDC-1	3	30 A	30 A	3903 VA	
6	EX. PANEL 'HDP'	3	400 A	400 A	17438 VA	
7	TX-DP2	3	475 A	475 A	42926 VA	
8	2HVH1	3	400 A	400 A	249120 VA	
9	2HVH2	3	250 A	250 A	60131 VA	
10						
11						
12						
13	1HVG2	3	200 A	200 A	105020 VA	
14	EX. ELEVATOR (AUXILARY GYM)	3	100 A	100 A	66400 VA	
15	PANEL FB-HV1	3	400 A	400 A	186586 VA	
16						
17						
18						
19						
20						
21						
22	SPARE	1	400 A	400 A	129923 VA	
23						
24						
				TOTAL CONNECTED...	1882143 VA	
				TOTAL AMPS:	2264 A	

LOAD CLASSIFICATION	CONNECTED...	DEMAND...	ESTIMATED...
Power	2732 VA	100.00%	2732 VA
LIGHTING	26473 VA	100.00%	26473 VA
HVAC	1062679 VA	100.00%	1062679 VA
Motor	3986 VA	100.00%	3986 VA
Other	27389 VA	100.00%	27389 VA
Spare	638529 VA	100.00%	638529 VA
RECEPTACLE	56980 VA	58.78%	33490 VA
MOTOR	18400 VA	100.00%	18400 VA
MOTORS	43681 VA	100.00%	43681 VA
Appliance - Dwelling Unit	5110 VA	100.00%	5110 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	1882143 VA
TOTAL EST. DEMAND:	1858655 VA
TOTAL CONN. CURRENT:	2264 A
TOTAL EST. DEMAND...	2236 A



WIRE & CONDUIT SCHEDULE

NOTE #	MAX AMPS	CONDUIT, CONDUCTORS, GROUND	NOTE #	MAX AMPS	CONDUIT, CONDUCTORS, GROUND
1	20A	3/4"C, 3-#12, 1-#12G	27	285A	2-1/2"C, 3-#300KcMil, 1-#4G
2	20A	3/4"C, 4-#12, 1-#12G	28	285A	2-1/2"C, 4-#300KcMil, 1-#4G
3	30A	3/4"C, 3-#10, 1-#10G	29	310A	2-1/2"C, 3-#350KcMil, 1-#4G
4	30A	3/4"C, 4-#10, 1-#10G	30	310A	3"C, 4-#350KcMil, 1-#4G
5	50A	3/4"C, 3-#8, 1-#10G	31	335A	2-1/2"C, 3-#400KcMil, 1-#3G
6	50A	3/4"C, 4-#8, 1-#10G	32	335A	3"C, 4-#400KcMil, 1-#3G
7	65A	3/4"C, 3-#6, 1-#10G	33	380A	3"C, 3-#500KcMil, 1-#3G
8	65A	1"C, 4-#6, 1-#10G	34	380A	3"C, 4-#500KcMil, 1-#3G
9	85A	1"C, 3-#4, 1-#8G	35	420A	3"C, 3-#600KcMil, 1-#3G
10	85A	1-1/2"C, 4-#4, 1-#8G	36	420A	3-1/2"C, 4-#600KcMil, 1-#3G
11	100A	1"C, 3-#3, 1-#8G	37	475A	3-1/2"C, 3-#750KcMil, 1-#2G
12	100A	1-1/2"C, 4-#3, 1-#8G	38	475A	4"C, 4-#750KcMil, 1-#2G
13	115A	1-1/2"C, 3-#2, 1-#6G	39	510A	2 SETS OF (2"C, 3-#250KcMil, 1-#2G)
14	115A	1-1/2"C, 4-#2, 1-#6G	40	510A	2 SETS OF (2-1/2"C, 4-#250KcMil, 1-#2G)
15	130A	1-1/2"C, 3-#1, 1-#6G	41	620A	2 SETS OF (2-1/2"C, 3-#350KcMil, 1-#1G)
16	130A	1-1/2"C, 4-#1, 1-#6G	42	620A	2 SETS OF (3"C, 4-#350KcMil, 1-#1G)
17	150A	1-1/2"C, 3-#1/0, 1-#6G	43	760A	2 SETS OF (3"C, 3-#500KcMil, 1-#1/0G)
18	150A	1-1/2"C, 4-#1/0, 1-#6G	44	760A	2 SETS OF (3"C, 4-#500KcMil, 1-#1/0G)
19	175A	1-1/2"C, 3-#2/0, 1-#6G	45	840A	2 SETS OF (3"C, 3-#600KcMil, 1-#1/0G)
20	175A	2"C, 4-#2/0, 1-#6G	46	840A	2 SETS OF (3-1/2"C, 4-#600KcMil, 1-#1/0G)
21	200A	2"C, 3-#3/0, 1-#6G	47	1005A	3 SETS OF (3"C, 3-#400KcMil, 1-#2/0G)
22	200A	2"C, 4-#3/0, 1-#6G	48	1005A	3 SETS OF (3"C, 4-#400KcMil, 1-#2/0G)
23	230A	2"C, 3-#4/0, 1-#4G	49	1260A	3 SETS OF (3"C, 3-#600KcMil, 1-#3/0G)
24	230A	2-1/2"C, 4-#4/0, 1-#4G	50	1260A	3 SETS OF (3-1/2"C, 4-#600KcMil, 1-#3/0G)
25	255A	2"C, 3-#250KcMil, 1-#4G	51	1680A	4 SETS OF (3"C, 3-#600KcMil, 1-#4/0G)
26	255A	2-1/2"C, 4-#250KcMil, 1-#4G	52	1680A	4 SETS OF (3-1/2"C, 4-#600KcMil, 1-#4/0G)

1 / E603 — NEW ELECTRICAL RISER DIAGRAM MDP2
NTS

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: NEW ELECTRICAL ONE-LINE DIAGRAM MDP2
SHEET: E603
COMM #: 2265

1/16/2024 2:21:35 PM

DISTRIBUTION BOARD: 1LV-DP1

LOCATION: ELEC. ROOM C106 **VOLTS:** 120/208 Wye **A.I.C. RATING:** 10,000
SUPPLY FROM: TX-DP1 **PHASES:** 3 **MAINS TYPE:** Breaker
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 800 A
ENCLOSURE: Type 1 **MCB RATING:** 800 A
REMARKS:

CKT	CIRCUIT DESCRIPTION	# OF...	FRAM...	TRIP...	LOAD	REMARKS
1	PANEL 1LVA1	3	125 A	125 A	20851 VA	
2	PANEL 1LVA2	3	225 A	225 A	48478 VA	
3	PANEL 1LVB1	3	250 A	250 A	62490 VA	
4	PANEL 1LVC1	3	250 A	250 A	42420 VA	
5	PANEL 1LVC2	3	250 A	250 A	55524 VA	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
				TOTAL CONNECTED...	229555 VA	
				TOTAL AMPS:	637 A	

LOAD CLASSIFICATION	CONNECTED...	DEMAND...	ESTIMATED...	PANEL TOTALS	
Power	8320 VA	100.00%	8320 VA		
HVAC	6315 VA	100.00%	6315 VA	TOTAL CONN. LOAD:	229555 VA
Other	1000 VA	100.00%	1000 VA	TOTAL EST. DEMAND:	127917 VA
RECEPTACLE	213307 VA	52.34%	111653 VA	TOTAL CONN. CURRENT:	637 A
MOTOR	1000 VA	100.00%	1000 VA	TOTAL EST. DEMAND...	355 A

BRANCH PANEL: 1HVC1

LOCATION: ELEC. ROOM C106 **VOLTS:** 480/277 Wye **A.I.C. RATING:** 25,000
SUPPLY FROM: MDP1 **PHASES:** 3 **MAINS TYPE:** MCB
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 250 A
ENCLOSURE: Type 1 **MCB RATING:** 250 A
REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				9411	5813								2
3	RTU-B1	70 A	3			9411	5813			3	45 A	RTU-B2	4
5								9411	5813				6
7				5813	4429								8
9	RTU-B3	45 A	3			5813	4429			3	30 A	RTU-C4	10
11								5813	4429				12
13				2104	2104								14
15	REF-B1	15 A	3			2104	2104			3	15 A	REF-B2	16
17								2104	2104				18
19	N UNIT-B CLASSROOM LIGHT	20 A	1	3026	3370					1	20 A	N UNIT-B RM/HALL LIGHTS	20
21	W CLASS/HALL UNIT-B LIGHT	20 A	1			2838	3395			1	20 A	CNTR CLASS/RR UNIT-B LGHT	22
23	E CLASS/HALL UNIT-B LIGHT	20 A	1					2650	2747	1	20 A	UNIT-A OFFICE LIGHTING	24
25	UNIT-C LIGHTING WEST	20 A	1	3653	4027					1	20 A	UNIT-C LIGHTING EAST	26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			TOTAL...	43749 VA		35906 VA		35070 VA					
			TOTAL AMPS:	158 A		130 A		127 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
LIGHTING	25706 VA	100.00%	25706 VA		
HVAC	89018 VA	100.00%	89018 VA	TOTAL CONN. LOAD:	114724 VA
				TOTAL EST. LOAD:	114724 VA
				TOTAL CONN. CURRENT:	138 A
				TOTAL EST. DEMAND...	138 A

BRANCH PANEL: 1HVA1

LOCATION: ELEC A166 **VOLTS:** 480/277 Wye **A.I.C. RATING:** 25,000
SUPPLY FROM: MDP1 **PHASES:** 3 **MAINS TYPE:** MCB
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 250 A
ENCLOSURE: Type 1 **MCB RATING:** 250 A
REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				3045	4429								2
3	RTU-A1	20 A	3			3045	4429			3	30 A	RTU-A2	4
5								3045	4429				6
7				3045	3045								8
9	RTU-A4	20 A	3			3045	3045			3	20 A	RTU-A5	10
11								3045	3045				12
13	ATRIUM/LMC LIGHTS	20 A	1	4284	3765					1	20 A	LIGHTING	14
15	LIGHTING	20 A	1			2407							16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			TOTAL...	21612 VA		15971 VA		13563 VA					
			TOTAL AMPS:	79 A		59 A		49 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
LIGHTING	10456 VA	100.00%	10456 VA		
HVAC	40690 VA	100.00%	40690 VA	TOTAL CONN. LOAD:	51147 VA
				TOTAL EST. LOAD:	51147 VA
				TOTAL CONN. CURRENT:	62 A
				TOTAL EST. DEMAND...	62 A

BRANCH PANEL: 1LVA1

LOCATION: ELEC A166 **VOLTS:** 120/208 Wye **A.I.C. RATING:** 10,000
SUPPLY FROM: 1LV-DP1 **PHASES:** 3 **MAINS TYPE:** MCB
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 125 A
ENCLOSURE: Type 1 **MCB RATING:** 125 A
REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	A154 CONF RECEPTS	20 A	1	1080	1080					1	20 A	A154 CONF RECEPTS	2
3	A155 COUNS RECEPTS	20 A	1			900	900			1	20 A	A156 COUNS RECEPTS	4
5	A157 COUNS RECEPTS	20 A	1					900	900	1	20 A	A158 COUNS RECEPTS	6
7	A159 SPED RECEPTS	20 A	1	900	900					1	20 A	A152 GUIDANCE RECEPTS	8
9	A152 GUIDANCE DESK RECEP	20 A	1			1080	720			1	20 A	A152 GUIDANCE RECEPTS	10
11	A173 WORK RM RECEPTS	20 A	1					360	540	1	20 A	A173 WORK RM RECEPTS	12
13	A173 WRK/A153 TEST RECEP	20 A	1	720	900					1	20 A	A172 COACH RECEPTS	14
15	A171 OFFICE RECEPTS	20 A	1			900	1080			1	20 A	A169 OFFICE RECEPTS	16
17	A167 BREAK RM MICROWAVE	20 A	1					1000	500	1	20 A	A167 BREAK RM COUNTER	18
19	A167 BREAK REFRIGERATOR	20 A	1	500	1080					1	20 A	A167 BREAK/HALL RECEPTS	20
21	HALL/RR RECEPTS	20 A	1			900	1260			1	20 A	ELEC/IDF/CUST/STOR RECEP	22
23	VAVs A1,A2,A3,A4,A5,A12,A16	20 A	1					700	600	1	20 A	VAVsA6,A7,A8,A9,A10,A11,A17	24
25	SSAC-A1/CU-A1	20 A	1	500	0					1	20 A	PRE-A1 & PRE-A2	26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			TOTAL...	7613 VA		7740 VA		5500 VA					
			TOTAL AMPS:	66 A		67 A		46 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
HVAC	1764 VA	100.00%	1764 VA		
RECEPTACLE	19100 VA	76.18%	14550 VA	TOTAL CONN. LOAD:	20851 VA
				TOTAL EST. LOAD:	16301 VA
				TOTAL CONN. CURRENT:	58 A
				TOTAL EST. DEMAND...	45 A

BRANCH PANEL: 1LVA2

LOCATION: ELEC A166 **VOLTS:** 120/208 Wye **A.I.C. RATING:** 10,000
SUPPLY FROM: 1LV-DP1 **PHASES:** 3 **MAINS TYPE:** MCB
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 225 A
ENCLOSURE: Type 1 **MCB RATING:** 225 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	LMC NE GROUP STATIONS	20 A	1	1080	1080					1	20 A	LMC NE GROUP STATIONS	2
3	A133 LMC RECEPTS (SE)	20 A	1			1080	1260			1	20 A	A133 LMC RECEPTS (SE)	4
5	A133 LMC PILLAR RECEPT SW	20 A	1					1080	1080	1	20 A	A133 LMC PILLAR RECEPT SE	6
7	A133 LMC PILLAR RECEPT...	20 A	1	1440	1260					1	20 A	A133 LMC RECEPTS W/DESK	8
9	A124 SMALL GROUP RECEPT	20 A	1			1440	1080			1	20 A	A133 LMC PILLAR RECEPT NE	10
11	A140.2 BROADCAST RECEPTS	20 A	1					1260	1440	1	20 A	A135 SMALL GROUP RECEPT	12
13	A140.2 BROADCAST RECEPTS	20 A	1	720	1260					1	20 A	A140.2 BROADCAST RECEPT	14
15	A140.1 MEDIA RM RECEPTS	20 A	1			900	900			1	20 A	A140.1 MEDIA RM RECEPTS	16
17	A140.1 MED/A136 RR RECEPT	20 A	1					1080	1080	1	20 A	A140.1 MEDIA RM RECEPTS	18
19	A137 WORK/OFFICE RECEPT	20 A	1	720	720					1	20 A	A137 WORK/OFFICE RECEPT	20
21	A145/A138/A144/A142 RECEPT	20 A	1			900	180			1	20 A	A137 WORK MINI-FRIDGE	22
23	A141 ALT. SCHOOL RECEPTS	20 A	1					1080	1260	1	20 A	A141 ALT. SCHOOL RECEPTS	24
25	A143 ALT. SCHOOL RECEPTS	20 A	1	1440	750					1	20 A	A141 ALT SCH COMP RECEPT	26
27	A143 ALT SCH COMP RECEPT	20 A	1			500	1080			1	20 A	A143 ALT. SCHOOL RECEPTS	28
29	A103 LOBBY TVS/RECEPTS	20 A	1					1620	360	1	20 A	BOTTLE FILLER ALT SCHOOL	30
31	A149 OFFICE RECEPTS	20 A	1	1080	1260					1	20 A	A103 LOBBY RECEPTS/TVS	32
33	A148 2D ART RECEPTS	20 A	1			900	1260			1	20 A	A148 2D ART RECEPTS	34
35	A148 2D ART HOT PLATES	20 A	1					360	1080	1	20 A	A148 2D ART RECEPTS	36
37	A147 CORRIDOR/EXTER...	20 A	1	900	1664					2	20 A	BAKING UNIT - A148 2D ART	38
39	A150 2D ART RECEPTS	20 A	1			1260	1664						40
41	A150 2D ART HOT PLATES	20 A	1					500	1260	1	20 A	A150 2D ART RECEPTS	42
43	VAVs A18,A19,A21,A22	20 A	1	400	1664					2	20 A	BAKING UNIT - A150 2D ART	44
45	AV RACK - LMC	20 A	1			360	1664						46
47	AV RACK - LMC	20 A	1					360					48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	17303 VA		16295 VA		14900 VA					
			TOTAL AMPS:	146 A		138 A		124 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
HVAC	400 VA	100.00%	400 VA		
RECEPTACLE	48078 VA	60.40%	29039 VA	TOTAL CONN. LOAD:	48478 VA
				TOTAL EST. LOAD:	29439 VA
				TOTAL CONN. CURRENT:	135 A
				TOTAL EST. DEMAND...	82 A

BRANCH PANEL: 1LVB1

LOCATION: TR-3/ELEC B138 **VOLTS:** 120/208 Wye **A.I.C. RATING:** 10,000
SUPPLY FROM: 1LV-DP1 **PHASES:** 3 **MAINS TYPE:** MCB
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 250 A
ENCLOSURE: Type 1 **MCB RATING:** 250 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	B110 CLASS RECEPTS	20 A	1	1440	1440					1	20 A	B110 CLASS RECEPTS	2
3	B111 CLASS RECEPTS	20 A	1			1260	1620			1	20 A	B111 CLASS RECEPTS	4
5	B112 CLASS RECEPTS	20 A	1					1440	1440	1	20 A	B112 CLASS RECEPTS	6
7	B113 CLASS RECEPTS	20 A	1	1440	1440					1	20 A	B113 CLASS RECEPTS	8
9	B114 CLASS RECEPTS	20 A	1			1440	1440			1	20 A	B114 CLASS RECEPTS	10
11	B115 CLASS RECEPTS	20 A	1					1440	1440	1	20 A	B115 CLASS RECEPTS	12
13	B116 CLASS RECEPTS	20 A	1	1440	1440					1	20 A	B116 CLASS RECEPTS	14
15	BOOK STORAGE RECEPTS	20 A	1			540	540			1	20 A	BOOK STORAGE RECEPTS	16
17	BOOK STORAGE PRINTER	20 A	1					360	900	1	20 A	B134 CORR/RR RECEPTS	18
19	B134 CORR/JAN/RR RECEPTS	20 A	1	1080	1440					1	20 A	B117 CLASS RECEPTS	20
21	B117 CLASS RECEPTS	20 A	1			1440	1260			1	20 A	B118 CLASS RECEPTS	22
23	B118 CLASS RECEPTS	20 A	1					1620	1620	1	20 A	B119 CLASS RECEPTS	24
25	B119 CLASS RECEPTS	20 A	1	1260	1620					1	20 A	B106 CLASS RECEPTS	26
27	B106 CLASS RECEPTS	20 A	1			1260	1260			1	20 A	B108 CLASS RECEPTS	28
29	B108 CLASS RECEPTS	20 A	1					1620	1620	1	20 A	B109 CLASS RECEPTS	30
31	B109 CLASS RECEPTS	20 A	1	1260	800					1	20 A	VAVs-B1,B2,B10,B11,B12,B13...	32
33	VAVs-B3,B4,B5,B6,B7,B8,B9,...	20 A	1			800							34
35									1440	1	20 A	B135 ALCOVE RECEPTS	36
37	WATER COOLERS B134	20 A	1	360	360					1	20 A	WATER COOLERS B134	38
39	B107 CLASS RECEPTS	20 A	1			1260	1260			1	20 A	B107 CLASS RECEPTS	40
41	B104 CLASS RECEPTS	20 A	1					1440	720	1	20 A	B104 COMPUTER STATIONS	42
43	B104 COMPUTER STATIONS	20 A	1	720	720					1	20 A	B104 COMPUTER STATIONS	44
45	B104 COMPUTER STATIONS	20 A	1			720	720			1	20 A	B104 COMPUTER STATIONS	46
47	B121 CLASS RECEPTS	20 A	1					1260	1620	1	20 A	B121 CLASS RECEPTS	48
49	B120 CLASS RECEPTS	20 A	1	1440	1440					1	20 A	B120 CLASS RECEPTS	50
51	B143 CORR/B147 RR RECEPT	20 A	1			1080	1080			1	20 A	B132 CORR/B146 RR RECEPT	52
53	PRE-B1 & PRE-B2	20 A	1					0	500	1	20 A	SSAC-B1 & CU-B1	54
55	VAVsB17,B36,B28,B27,B37,B24	20 A	1	500	360					1	20 A	WATER COOLERS B144 WEST	56
57	WATER COOLERS B144 EAST	20 A	1			360	720			1	20 A	B138 IDF RECEPTS	58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	22000 VA		20060 VA		20431 VA					
			TOTAL AMPS:	184 A		167 A		171 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
HVAC	2559 VA	100.00%	2559 VA		
RECEPTACLE	59940 VA	58.34%	34970 VA	TOTAL CONN. LOAD:	62490 VA
				TOTAL EST. LOAD:	37521 VA
				TOTAL CONN. CURRENT:	173 A
				TOTAL EST. DEMAND...	104 A

BRANCH PANEL: 1LVC1

LOCATION: ELEC. ROOM C106 **VOLTS:** 120/208 Wye **A.I.C. RATING:** 10,000
SUPPLY FROM: 1LV-DP1 **PHASES:** 3 **MAINS TYPE:** Breaker
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 250 A
ENCLOSURE: Type 1 **MCB RATING:** 250 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	B105 CLASS RECEPTS	20 A	1	1080	1080					1	20 A	A103 LOBBY RECEPTS	2
3	B103 CLASS RECEPTS	20 A	1			1440	1260			1	20 A	B105 CLASS RECEPTS	4
5	B102 CLASS RECEPTS	20 A	1					1260	1620	1	20 A	B103 CLASS RECEPTS	6
7	B123 CLASS RECEPTS	20 A	1	1440	1440					1	20 A	B102 CLASS RECEPTS	8
9	B122 CLASS RECEPTS	20 A	1			1260	1260			1	20 A	B123 CLASS RECEPTS	10
11	B124 CLASS RECEPTS	20 A	1					1260	1260	1	20 A	B122 CLASS RECEPTS	12
13	B126 CLASS RECEPTS	20 A	1	1260	1260					1	20 A	B124 CLASS RECEPTS	14
15	CORRIDOR/RR RECEPTS	20 A	1			1260	1260			1	20 A	B126 CLASS RECEPTS	16
17	B129 WORK RM COUNTER	20 A	1					360	360	1	20 A	B129 WORK RM COUNTER	18
19	B129 PRINTER & RECEPTS	20 A	1	720	1000					1	20 A	B129 WORK RM MICROWAVE	20
21	B101 CLASS RECEPTS	20 A	1			1440	500			1	20 A	B129 REFRIGERATOR	22
23	C107 CLASS RECEPTS	20 A	1					1080	720	1	20 A	B101 CLASS RECEPTS	24
25	C109 CLASS RECEPTS	20 A	1	1440	1080					1	20 A	C107 CLASS RECEPTS	26
27	C110 CLASS RECEPTS	20 A	1			1260	1260			1	20 A	C109 CLASS RECEPTS	28
29	C112 CLASS RECEPTS	20 A	1					1260	1440	1	20 A	C110 CLASS RECEPTS	30
31	C101 LOBBY/RR RECEPTS	20 A	1	1080	1260					1	20 A	C112 CLASS RECEPTS	32
33	VAVsB20,B30,B32,B33,B32,B...	20 A	1			700	700			1	20 A	VAVsB18,B19,B26,B29,B25,B...	34
35	PRE-B3 & PRE-B4	20 A	1					1000	1260	1	20 A	CORRIDOR/ELEC RECEPTS	36
37	C101 LOBBY RECEPTS	20 A	1	1080	360					1	20 A	C105 WATER COOLERS	38
39	C105 WATER COOLERS	20 A	1			360							40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	15580 VA		13960 VA		12880 VA					
			TOTAL AMPS:	131 A		118 A		107 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
HVAC	1400 VA	100.00%	1400 VA		
Other	1000 VA	100.00%	1000 VA	TOTAL CONN. LOAD:	42420 VA
RECEPTACLE	40020 VA	62.49%	25010 VA	TOTAL EST. LOAD:	27410 VA
				TOTAL CONN. CURRENT:	118 A
				TOTAL EST. DEMAND...	76 A

BRANCH PANEL: 1LVC2

LOCATION: ELEC. ROOM C106 **VOLTS:** 120/208 Wye **A.I.C. RATING:** 10,000
SUPPLY FROM: 1LV-DP1 **PHASES:** 3 **MAINS TYPE:** Breaker
MOUNTING: Surface **WIRES:** 4 **MAINS RATING:** 250 A
ENCLOSURE: Type 1 **MCB RATING:** 250 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	C114 CLASSROOM RECEPTS	20 A	1	1440	1260					1	20 A	C114 CLASSROOM RECEPTS	2
3	C115 CLASSROOM RECEPTS	20 A	1			1260	1620			1	20 A	C115 CLASSROOM RECEPTS	4
5	C119 LIFE SKILLS RECEPTS	20 A	1					1440	1620	1	20 A	C119 LIFE SKILLS RECEPTS	6
7	C119 LIFE SKILLS RECEPTS	20 A	1	720	1080					1	20 A	C117 WORK RM RECEPTS	8
9	C122 CHANGING RECEPTS	20 A	1			1080	300			1	20 A	C121 LIVING - WASHER	10
11	C121 LIVING - DRYER	30 A	2					2496	4160	2	50 A	C121 LIVING - RANGE	12
13				2496	4160								14
15	C121 LIVING - DISHWASHER	20 A	1			1000	720			1	20 A	C121 LIVING - RECEPTS	16
17	C121 LIVING - RECEPTS	20 A	1					720	180	1	20 A	C121 LIVING - FRIDGE	18
19	C121 LIVING - RECEPTS	20 A	1	540	1440					1	20 A	C120 LIFE SKILLS RECEPTS	20
21	C120 LIFE SKILLS RECEPTS	20 A	1			1620	720			1	20 A	C120 LIFE SKILLS RECEPTS	22
23	C125 STAFF DINING FRIDGE	20 A	1					360	500	1	20 A	C125 STAFF DINING RECEPTS	24
25	C125 STAFF DINING RECEPTS	20 A	1	900	200					1	20 A	VAVs...	26
27	C153 TECH OFFICE RECEPT	20 A	1			1080	1080			1	20 A	C153 TECH OFFICE RECEPT	28
29	C153 TECH OFFICE RECEPT	20 A	1					720					30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69							900			1	20 A	COFFEE SHOP RECEPTS	70
71	COFFEE SHOP RECEPTS	20 A	1					720	1900	1	20 A	COFFEE SHOP ICE MAKER	72
73	COFFEE SHOP FRIDGE	20 A	1	360	384					1	20 A	COFFEE SHOP FREEZER	74
75	COFFEE SHOP BLENDER #1	20 A	1			1800	1800			1	20 A	COFFEE SHOP BLENDER #2	76
77	COFFEE SHOP BREWER #1	20 A	1					1700	1700	1	20 A	COFFEE SHOP BREWER #2	78
79	COFFEE SHOP BREWER #3	20 A	1	1700	1600					1	20 A	COFFEE SHOP - POS SYSTM	80
81	COFFEE SHOP - MERCHANDISER #1	20 A	2			1300	1040			2	20 A	COFFEE SHOP - MERCHANDISER #2	82
83								1300	1040				84
			TOTAL...	18067 VA		17185 VA		20301 VA					
			TOTAL AMPS:	152 A		143 A		170 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	8320 VA	100.00%	8320 VA		
HVAC	200 VA	100.00%	200 VA	TOTAL CONN. LOAD:	55524 VA
RECEPTACLE	46251 VA	60.81%	28126 VA	TOTAL EST. LOAD:	37422 VA
MOTOR	1000 VA	100.00%	1000 VA	TOTAL CONN. CURRENT:	154 A
				TOTAL EST. DEMAND...	104 A

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: ELECTRICAL PANEL SCHEDULES
SHEET: E604
COMM #: 2265

1/16/2024 2:21:39 PM

BRANCH PANEL: KHV1
LOCATION: KITCHEN D109 | VOLTS: 480/277 Wye | A.I.C. RATING: 25,000
SUPPLY FROM: MDP1 | PHASES: 3 | MAINS TYPE: Breaker
MOUNTING: Recessed | WIRES: 4 | MAINS RATING: 600 A
ENCLOSURE: Type 1 | MCB RATING: 600 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	A	B	B	C	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				640	640								2
3	GARBAGE DISPOSAL SYSTEM EAST	20 A	3			640	640			3	20 A	GARBAGE DISPOSAL SYSTEM WEST	4
5								640	640				6
7				7917	167								8
9	KITCHEN EXHAUST MAKE-UP AIR UNIT	20 A	3			7917	167			3	70 A	SKILLET	10
11								7917	167				12
13				2007	--					1	--	SHUNT	14
15	SMART MOUTH EXHAUST VENTILATION	20 A	3			2007	553						16
17								2007	553	3	20 A	GARBAGE DISPOSAL EAST WALL (IN WAREWASH)	18
19				9992	553								20
21	DISHMACHINE	50 A	3			9992	17162						22
23								9992	17162	3	80 A	DISHMACHINE	24
25				553	17162								26
27	GARBAGE DISPOSAL WEST WALL (IN WAREWASH)	20 A	3			553	0						28
29								553	0	3	350 A	TX-K DISCONNECT, TRANSFORMER TX-K	30
31					0								32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
			TOTAL...	39569 VA		39569 VA		39569 VA					
			TOTAL AMPS:	143 A		143 A		143 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	3840 VA	100.00%	3840 VA		
MOTORS	115052 VA	100.00%	115052 VA	TOTAL CONN. LOAD:	118706 VA
				TOTAL EST. LOAD:	118706 VA
				TOTAL CONN. CURRENT:	143 A
				TOTAL EST. DEMAND...	143 A

BRANCH PANEL: KLV1
LOCATION: KITCHEN D109 | VOLTS: 120/208 Wye | A.I.C. RATING: 25,000
SUPPLY FROM: TX-K | PHASES: 3 | MAINS TYPE: Breaker
MOUNTING: Recessed | WIRES: 4 | MAINS RATING: 600 A
ENCLOSURE: Type 1 | MCB RATING: 600 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	A	B	B	C	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				17258	1199								2
3	PANEL KLV2	225 A	3			18265	1199			3	20 A	MIXER	4
5								16013	1199				6
7	VEGETABLE PREP TABLE #1	20 A	1	1920	1920					1	20 A	VEGETABLE PREP TABLE #1	8
9	HOT WATER DISPENSER	30 A	2			2250	1920			1	20 A	VEGETABLE PREP TABLE #2	10
11								2250	2400	2	30 A	VEGETABLE PREP TABLE #2	12
13	VEGETABLE PREP TABLE #2	20 A	1	1920	2400								14
15	PREP TABLE #1	20 A	1			1920	2400			2	30 A	PREP TABLE #1	16
17	PREP TABLE #1	20 A	1					1920	2400				18
19	PREP TABLE #2	20 A	1	1920	2400					2	30 A	PREP TABLE #2	20
21	PREP TABLE #2	20 A	1			1920	2400						22
23	MICROWAVE OVEN	40 A	2					1600	360	1	20 A	KITCHEN EXHAUST VENT	24
25				1600	360					1	20 A	KITCHEN EXHAUST VENT	26
27	COMBI OVEN/STEAMER #1	20 A	1			470	470			1	20 A	COMBI OVEN/STEAMER #2	28
29	SHUNT	--	1					--	--	1	--	SHUNT	30
31	COMBI OVEN/STEAMER #3	20 A	1	470	470					1	20 A	COMBI OVEN/STEAMER #4	32
33	SHUNT	--	1			--	--			1	--	SHUNT	34
35	COMBI OVEN/STEAMER #5	20 A	1					470	470	1	20 A	COMBI OVEN/STEAMER #6	36
37	SHUNT	--	1	--	--					1	--	SHUNT	38
39	COMBI OVEN/STEAMER #7	20 A	1			470	470			1	20 A	COMBI OVEN/STEAMER #8	40
41	SHUNT	--	1					--	--	1	--	SHUNT	42
43	COMBI OVEN/STEAMER #9	20 A	1	470	470					1	20 A	COMBI OVEN/STEAMER #10	44
45	SHUNT	--	1			--	--			1	--	SHUNT	46
47								4798	180	1	20 A	PIZZA EXHAUST	48
49	PIZZA OVEN #1	50 A	3	4798	4798								50
51						4798	4798			3	50 A	PIZZA OVEN #2	52
53	DISHMACHINE EXHAUST	20 A	1					1176	4798				54
55	DRYER	30 A	2	2496	780					1	20 A	WASHER	56
57						2496	1623			2	20 A	HEATED PASS THRU CABINET #1	58
59	HEATED PASS THRU CABINET #2	20 A	2					1623	1623				60
61				1623	1623					2	20 A	HEATED PASS THRU CABINET #3	62
63	HEATED PASS THRU CABINET #4	20 A	2			1623	1623						64
65								1623	1623	2	20 A	HEATED PASS THRU CABINET #5	66
67	PASS THRU FRIDGE #1	20 A	1	864	1623								68
69	PASS THRU FRIDGE #2	20 A	1			864	864			1	20 A	PASS THRU FRIDGE #3	70
71	PASS THRU FRIDGE #4	20 A	1					864	864	1	20 A	PASS THRU FRIDGE #5	72
73	PASS THRU FRIDGE #6	20 A	1	864	1524					1	20 A	OPEN MERCHAND. #1	74
75	OPEN MERCHAND. #2	20 A	1			1524	1524			1	20 A	OPEN MERCHAND. #3	76
77	OPEN MERCHAND. #4	20 A	1					1524	1350	2	20 A	OPEN MERCHANDISER #5	78
79	OPEN MERCHANDISER #6	20 A	2	1350	1350								80
81						1350	744			1	20 A	FREEZE MERCHANDISER	82
83	HOT MERCHANDISER #1	20 A	1					1248	1248	1	20 A	HOT MERCHANDISER #2	84
			TOTAL...	57914 VA		57463 VA		53176 VA					
			TOTAL AMPS:	488 A		484 A		443 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	60455 VA	100.00%	60455 VA		
RECEPTACLE	106894 VA	54.68%	58447 VA	TOTAL CONN. LOAD:	168494 VA
MOTOR	1176 VA	100.00%	1176 VA	TOTAL EST. LOAD:	120051 VA
				TOTAL CONN. CURRENT:	468 A
				TOTAL EST. DEMAND...	333 A

BRANCH PANEL: KLV2
LOCATION: KITCHEN D109 | VOLTS: 120/208 Wye | A.I.C. RATING: 25,000
SUPPLY FROM: KLV1 | PHASES: 3 | MAINS TYPE: Breaker
MOUNTING: Recessed | WIRES: 4 | MAINS RATING: 225 A
ENCLOSURE: Type 1 | MCB RATING: 225 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	A	B	B	C	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	DROP-IN HOT WELL	20 A	2	648	852					1	20 A	DROP-IN COLD WELL #1	2
3						648	120			1	20 A	BREATH GUARD #1	4
5	HEATED MERCHANDISER #3	20 A	1					1248	1498	2	20 A	4-PAN HOT/COLD WELL #1	6
7	DROP-IN COLD WELL #2	20 A	1	1524	1498								8
9	BREATH GUARD #2	20 A	1			120	1248			1	20 A	HEATED MERCHANDISER #4	10
11	DROP-IN COLD WELL #2	20 A	2					1498	852	1	20 A	DROP-IN COLD WELL #3	12
13				1498	120					1	20 A	BREATH GUARD #3	14
15	PIZZA MERCHANDISER	25 A	2			2080	852			1	20 A	DROP-IN COLD WELL #4	16
17								2080	120	1	20 A	BREATH GUARD #4	18
19	BEVERAGE SHELVING RCPT	20 A	1	180	180					1	20 A	BEVERAGE SHELVING RCPT	20
21	ICE MACHINE #1	20 A	2			1144	1144			2	20 A	ICE MACHIE #2	22
23								1144	1144				24
25	BEVERAGE DISPENSER #1	20 A	1	1900	1900					1	20 A	BEVERAGE DISPENSER #2	26
27	BEVERAGE DISPENSER #3	20 A	1			1900	1900			1	20 A	BEVERAGE DISPENSER #4	28
29	PRETZEL CABINET	20 A	1					1356					30
31	CASHIER COUNTER #2	20 A	1	1900	1900					1	20 A	CASHIER COUNTER #3	32
33	CASHIER COUNTER #4	20 A	1			1900	1900			1	20 A	CASHIER COUNTER #5	34
35	KIOSK MECHANDISER #1	20 A	2					1040	1040	2	20 A	KIOSK MECHANDISER #2	36
37				1040	1040								38
39	KIOSK MECHANDISER #3	20 A	2			1040	1040			2	20 A	KIOSK MECHANDISER #4	40
41								1040	1040				42
43	KITCHEN RECEPTS	20 A	1	540	720					1	20 A	WAREWASH RECEPTS	44
45	WAREWASH RECEPTS	20 A	1			720	720			1	20 A	KITCHEN RECEPTS	46
47	KITCHEN/LKR RM RECEPTS	20 A	1					1080					48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	17258 VA		18265 VA		16013 VA					
			TOTAL AMPS:	145 A		154 A		133 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	1776 VA	100.00%	1776 VA		
RECEPTACLE	49690 VA	60.06%	29845 VA	TOTAL CONN. LOAD:	51448 VA
				TOTAL EST. LOAD:	31603 VA
				TOTAL CONN. CURRENT:	143 A
				TOTAL EST. DEMAND...	88 A

CIRCUITS ARE BASED ON EXISTING DRAWINGS/EXISTING PANEL CARDS. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING CIRCUITS, REMOVED DEVICES, AND EXISTING SPARES. DESIGN INTENT IS TO REUSE EXISTING LOCAL CIRCUITS TO SERVE NEW DEVICES IN AREA AS CALLED OUT ON ELECTRICAL PLANS. FIELD DETERMINE LOCATION OF CIRCUITS AS REQUIRED. BREAKERS IN EXISTING PANELS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

DISTRIBUTION BOARD: 1LV-DP2
LOCATION: BOILER ROOM D115 | VOLTS: 120/208 Wye | A.I.C. RATING: 10,000
SUPPLY FROM: TX-DP2 | PHASES: 3 | MAINS TYPE: Breaker
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 800 A
ENCLOSURE: Type 1 | MCB RATING: 800 A
REMARKS:

CKT	CIRCUIT DESCRIPTION	# OF...	FRAM...	TRIP...	LOAD	REMARKS
1	EX. PANEL '1L6'	3	150 A	150 A	46676 VA	
2	EX. PANEL '1L4'	3	225 A	225 A	56169 VA	
3	1LVD1	3	400 A	400 A	23400 VA	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
				TOTAL CONNECTED...	126245 VA	
				TOTAL AMPS:	350 A	

LOAD CLASSIFICATION	CONNECTED...	DEMAND...	ESTIMATED...	PANEL TOTALS	
Power	6002 VA	100.00%	6002 VA		
HVAC	3512 VA	100.00%	3512 VA	TOTAL CONN. LOAD:	126245 VA
Other	15456 VA	100.00%	15456 VA	TOTAL EST. DEMAND:	81205 VA
Spare	720 VA	100.00%	720 VA	TOTAL CONN. CURRENT:	350 A
RECEPTACLE	100080 VA	55.00%	55040 VA	TOTAL EST. DEMAND...	225 A
MOTOR	500 VA	100.00%	500 VA		

CONTRACTOR RESPONSIBLE FOR PULLING CIRCUITS TO ALL NEW LOCATIONS AS SHOWN. SEVERAL CIRCUITS IN PANEL 1L4A SERVE EXISTING STUDENT WORK STATION TABLES THAT ARE DEMOLISHED. CIRCUIT ROUTE TO UNDER SLAB IS UNKNOWN. NEW CIRCUITS SHALL BE RAN OVERHEAD TO NEW LOCATIONS AS SHOWN. REFER TO POWER PLAN FOR DEVICE LOCATIONS.

BRANCH PANEL: EX. '1L4A'
LOCATION: TR-1/ELEC C163 | VOLTS: 120/208 Wye | A.I.C. RATING: 25,000
SUPPLY FROM: 1LV-DP2 | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 225 A
ENCLOSURE: EX. | MCB RATING: 225 A
REMARKS: EXISTING PANEL

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	A	B	B	C	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	C132 SCIENCE SGR RECEPTS	20 A	1	900	540					1	20 A	C129 DISPLAY CASES	2
3	C132 SCIENCE SGR RECEPTS	20 A	1			180	1080			1	20 A	C131 SCIENCE LAB RECEPT	4
5	C132 SCIENCE SGR RECEPTS	20 A	1					360	360	1	20 A	C131 TEACHER STATION	6
7	C133 AND C132 RECEPTS	20 A	1	360	360					1	20 A	C131 STUDENT STATION (SW)	8
9	C132 SCIENCE SGR RECEPTS	20 A	1			360	360			1	20 A	C131 STUDENT STATION (SE)	10
11	C132 DISHWASHER	20 A	1					180	360	1	20 A	C131 STUDENT STATION (E)	12
13	ADA DOORS C129	20 A	1	502	900					1	20 A	DISPLAY/CORRIDOR...	14
15	DISPLAY/CORRIDOR RECPTS	20 A	1			720	360			1	20 A	C134 STUDENT STATION (W)	16
17	C130 STUDENT STATION (W)	20 A	1					360	360	1	20 A	C134 TEACHER STATION	18
19	C130 STUDENT STATION (W)	20 A	1	360	900					1	20 A	C134 RECEPTS/TV	20
21	C130 STUDENT STATION (W)	20 A	1			360	360			1	20 A	C131 STUDENT STATION (W)	22
23	C130 STUDENT STATION (W)	20 A	1					360	360	1	20 A	C131 STUDENT STATION (W)	24
25	C130 STUDENT STATION (S)	20 A	1	360	360					1	20 A	C131 STUDENT STATION (W)	26
27	C130 STUDENT STATION (S)	20 A	1			180	360			1	20 A	C131 STUDENT STATION (W)	28
29	C130 STUDENT STATION (E)	20 A	1					360	360	1	20 A	C131 STUDENT STATION (W)	30
31	C130 STUDENT STATION (E)	20 A	1	360	360					1	20 A	C134 STUDENT STATIONS (S)	32
33	C130 TEACHER STATION	20 A	1			720	360			1	20 A	C134 STUDENT STATION	34
35	C134 STUDENT STATION	20 A	1					360	500	1	20 A	VAVs C12,C3,C4,C13,C5	36
37	C134 STUDENT STATION	20 A	1	360	864					1	20 A	PRE-C8	38
39	C134 STUDENT STATION	20 A	1			360	456			1	20 A	PRE-C24	40
41	C135 SCIENCE SGR RECEPT	20 A	1					1260	456	1	20 A	PRE-C23	42
			TOTAL...	20834 VA		18444 VA		16892 VA					
			TOTAL AMPS:	176 A		156 A		141 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	4502 VA	100.00%	4502 VA		
HVAC	2112 VA	100.00%	2112 VA	TOTAL CONN. LOAD:	56169 VA
Other	10200 VA	100.00%	10200 VA	TOTAL EST. LOAD:	42089 VA
Spare	720 VA	100.00%	720 VA	TOTAL CONN. CURRENT:	156 A
RECEPTACLE	38160 VA	63.10%	24080 VA	TOTAL EST. DEMAND...	117 A
MOTOR	500 VA	100.00%	500 VA		

RECIRCUIT EXISTING RECEPTACLE LOCATIONS TO BE SERVED AS INDIVIDUAL STUDENT STATIONS AS SHOWN.

BOXED CIRCUITS: REFED FROM OTHER AREA FROM DEMOLISHED EQUIPMENT/DEVICES. PULL NEW CONDUCTORS AS REQUIRED. COORDINATE WITH PHASING.

BRANCH PANEL: EX. '1L3'
LOCATION: TR-1/ELEC C163 | VOLTS: 120/208 Wye | A.I.C. RATING: EXISTING
SUPPLY FROM: EX. '1L4B' | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 225 A
ENCLOSURE: EX. | MCB RATING: 225 A
REMARKS: EXISTING PANEL

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	A	B	B	C	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	C139 LAB EAST TV/RECEPT	20 A	1	1080	900					1	20 A	C139 LAB WEST TV/RECEPT	2
3	C139 LAB SW RECEPTS	20 A	1			720	180			1	20 A	C139 N GOGGLE CAB	4
5	C139 S GOGGLE CAB	20 A	1					180	720	1	20 A	C139 LAB N RECEPTS	6
7	C139 FUME HOOD (E)	20 A	1	500	500					1	20 A	C139 FUME HOOD (E)	8
9	C139 FUME HOOD (E)	20 A	1			500	500			1	20 A	C139 FUME HOOD (E)	10
11	C139 TABLE 5 RECEPT (E)	20 A	1					360	360	1	20 A	C139 TABLE 5 RECEPT (E)	12
13	C139 TABLE 5 RECEPT (E)	20 A	1	360	360					1	20 A	C139 TABLE 5 RECEPT (E)	14
15	C139 TABLE 5 RECEPT (E)	20 A	1			360	180			1	20 A	C139 TABLE 4 RECEPT (E)	16
17	C139 TABLE 4 RECEPT (E)	20 A	1					360	360	1	20 A	C139 TABLE 4 RECEPT (E)	18
19	C139 TABLE 4 RECEPT (E)	20 A	1	360	360					1	20 A	C139 TABLE 4 RECEPT (E)	20
21	C139 TABLE 3 (CENTER)	20 A	1			540	540			1	20 A	C139 TABLE 3 (CENTER)	22
23	C139 TABLE 3 (CENTER)	20 A	1					540	540	1	20 A	C139 TABLE 3 (CENTER)	24
25	C139 TABLE 2 RECEPT (W)	20 A	1	180	360					1	20 A	C139 TABLE 2 RECEPT (W)	26
27	C139 TABLE 2 RECEPT (W)	20 A	1			360	360			1	20 A	C139 TABLE 2 RECEPT (W)	28
29	C139 TABLE 2 RECEPT (W)	20 A	1					360	360	1	20 A	C139 TABLE 1 RECEPT (W)	30
31	C139 TABLE 1 RECEPT (W)	20 A	1	360	360					1	20 A	C139 TABLE 1 RECEPT (W)	32
33	C139 TABLE 1 RECEPT (W)	20 A	1			360	360			1	20 A	C139 TABLE 1 RECEPT (W)	34
35	C139 FUME HOOD (W)	20 A	1					500	500	1	20 A	C139 FUME HOOD (W)	36
37	C139 FUME HOOD (W)	20 A	1	500	500					1	20 A	C139 FUME HOOD (W)	38
39	VAVs C1,C2,C10,C11,C24,C25	20 A	1			200							40
41													42
			TOTAL...	6680 VA		5160 VA		5140 VA					
			TOTAL AMPS:	56 A		43 A		43 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	4000 VA	100.00%	4000 VA		
HVAC	200 VA	100.00%	200 VA	TOTAL CONN. LOAD:	16980 VA
RECEPTACLE	12780 VA	89.12%	11390 VA	TOTAL EST. LOAD:	15590 VA
				TOTAL CONN. CURRENT:	47 A
				TOTAL EST. DEMAND...	43 A

PROVIDE AND INSTALL NEW CIRCUIT BREAKER AS SHOWN IN EXISTING SPACE. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING BREAKERS.

PROVIDE AND INSTALL NEW CIRCUIT BREAKER AS SHOWN IN EXISTING SPACE. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING BREAKERS.

BRANCH PANEL: EX. '1L4B'
LOCATION: TR-1/ELEC C163 | VOLTS: 120/208 Wye | A.I.C. RATING: EX.
SUPPLY FROM: EX. '1L4A' | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 225 A
ENCLOSURE: EX. | MCB RATING: 225 A
REMARKS: EXISTING PANEL

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	A	B	B	C	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	GOGGLE CABINET C130	20 A	1	180	864					1	20 A	PRE-C6	2
3	EX. MDF ROOM CIRCUIT	20 A	1			180	180			1	20 A	EX. MDF CIRCUIT	4
5	EX. MDF ROOM CIRCUIT	20 A	1					180	180	1	20 A	EX. MDF CIRCUIT	6
7	GOGGLE CABINET C131	20 A	1	180	180					1	20 A	GOGGLE CABINET C132	8
9	C142 TEACHER DESK/TV	20 A	1			1080	1260			1	20 A	C136 RECEPTACLES SW	10
11	C142 RECEPTACLES SE	20 A	1					900	720	1	20 A	C136 TEACHER DESK/TV	12
13	C142 RECEPTACLES NE	20 A	1	1080	720					1	20 A	C136 RECEPTACLES N	14
15		20 A	1			864							16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31					0								32
33							0			3	100 A	SPARE	34
35									0				36
37				3488	6680								38
39	EX. PANEL '1L2'	100 A	3			3504	5160			3	100 A	EX. PANEL '1L3'	40
41								3776	5140				42
			TOTAL...	13372 VA		12228 VA		10896 VA					
			TOTAL AMPS:	113 A		104 A		91 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	4500 VA	100.00%	4500 VA		
HVAC	700 VA	100.00%	700 VA	TOTAL CONN. LOAD:	36496 VA
Other	9336 VA	100.00%	9336 VA	TOTAL EST. LOAD:	30876 VA
Spare	720 VA	100.00%	720 VA	TOTAL CONN. CURRENT:	101 A
RECEPTACLE	21240 VA	73.54%	15620 VA	TOTAL EST. DEMAND...	86 A

BRANCH PANEL: EX. '1L2'
LOCATION: TR-1/ELEC C163 | VOLTS: 120/208 Wye | A.I.C. RATING: EXISTING
SUPPLY FROM: EX. '1L4B' | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 125 A
ENCLOSURE: EX. | MCB RATING: 125 A
REMARKS: EXISTING PANEL

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	A	B	B	C	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	C140 FUME HOOD	20 A	1	500	360					1	20 A	C140 SCIENCE PREP RECEP	2
3	C140 SCIENCE PREP RECEP	20 A	1			360	360			1	20 A	C140 SCIENCE PREP RECEP	4
5	C140 SCIENCE PREP FRIDGE	20 A	1					180	360	1	20 A	C140 SCIENCE PREP RECEP	6
7	C141 CHEM STORAGE	20 A	1	360	696					1	20 A	PRE-C20 FUME HOOD (E)	8
9	PRE-C19 FUME HOOD (E)	20 A	1			696	696			1	20 A	PRE-C18 FUME HOOD (E)	10
11	PRE-C17 FUME HOOD (E)	20 A	1					696	864	1	20 A	PRE-C10 CHEM LAB	12
13	PRE-C2 FUME HOOD (W)	20 A	1	696	696					1	20 A	PRE-C14 FUME HOOD (W)	14
15	PRE-C15 FUME HOOD (W)	20 A	1			696	696			1	20 A	PRE-C16 FUME HOOD (W)	16
17	PRE-C1 FUME HOOD-ST	20 A	1					1176	500	1	20 A	PRE-C22 STORAGE RM	18
19	C140 DISHWASHER	20 A	1	180									20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			TOTAL...	3488 VA		3504 VA		3776 VA					
			TOTAL AMPS:	29 A		29 A		31 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	500 VA	100.00%	500 VA		
HVAC	500 VA	100.00%	500 VA	TOTAL CONN. LOAD:	10768 VA
Other	7608 VA	100.00%	7608 VA	TOTAL EST. LOAD:	10768 VA
RECEPTACLE	2160 VA	100.00%	2160 VA	TOTAL CONN. CURRENT:	30 A
				TOTAL EST. DEMAND...	30 A

PROVIDE AND INSTALL NEW CIRCUIT BREAKER AS SHOWN IN EXISTING SPACE. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING BREAKERS.

PROVIDE AND INSTALL NEW CIRCUIT BREAKER AS SHOWN IN EXISTING SPACE. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING BREAKERS.

RYAN J. BOWLAND REGISTERED No. PE10910639 STATE OF INDIANA PROFESSIONAL ENGINEER

MEYER NAJEM

BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: ELECTRICAL PANEL SCHEDULES
SHEET: E605
COMM #: 2265

1/16/2024 2:21:42 PM

BRANCH PANEL: 1LVD1

LOCATION:	BOILER ROOM D115	VOLTS:	120/208 Wye	A.I.C. RATING:	10,000
SUPPLY FROM:	1LV-DP2	PHASES:	3	MAINS TYPE:	Breaker
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	225 A
ENCLOSURE:	Type 1			MCB RATING:	225 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER, SPD				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	D101 CAFE NW RECEPTS	20 A	1	1440	1080					1	20 A	D101 CAFE NW RECEPTS	2
3	D101 CAFE N RECEPTS	20 A	1			1260	1260			1	20 A	D101 CAFE N RECEPTS	4
5	D101 CAFE N RECEPTS	20 A	1					1440	1440	1	20 A	D102 CORR RECEPTS	6
7	D101 CAFE NE RECEPTS	20 A	1	1440	1440					1	20 A	D101 CAFE N RECEPTS	8
9	D101 CAFE S RECEPTS	20 A	1			1440	1440			1	20 A	D101 CAFE S RECEPTS	10
11	D101 CAFE SW RECEPTS	20 A	1					1080	1440	1	20 A	D101 CAFE SW RECEPTS	12
13	D101 CAFE SW RECEPTS	20 A	1	1080	900					1	20 A	D101 CAFE W RECEPTS	14
15	D126 GROUP RECEPTS	20 A	1			1260	1440			1	20 A	D127 GROUP RECEPTS	16
17	D128 LOUNGE RECEPTS	20 A	1					1440	1080	1	20 A	D101 CAFE W RECEPTS	18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
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65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	7380 VA		8100 VA		7920 VA					
			TOTAL AMPS:	62 A		68 A		67 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...
RECEPTACLE	23400 VA	71.37%	16700 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	23400 VA
TOTAL EST. LOAD:	16700 VA
TOTAL CONN. CURRENT:	65 A
TOTAL EST. DEMAND...	46 A

BRANCH PANEL: 1HVD1

LOCATION:	BOILER ROOM D115	VOLTS:	480/277 Wye	A.I.C. RATING:	25,000
SUPPLY FROM:	MDP1	PHASES:	3	MAINS TYPE:	MCB
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	200 A
ENCLOSURE:	Type 1			MCB RATING:	200 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER, SPD				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				5813	9411								2
3	RTU-C1	45 A	3			5813	9411			3	70 A	RTU-C2	4
5								5813	9411				6
7				3045	3875								8
9	RTU-C3	20 A	3			3045	3875			3	30 A	RTU-D2	10
11								3045	3875				12
13	UNIT-C LIGHTING SE CLASS	20 A	1	3847	2413					1	20 A	UNIT-C LIGHTING SW	14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
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49													50
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53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	28404 VA		22144 VA		22144 VA					
			TOTAL AMPS:	103 A		80 A		80 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...
LIGHTING	6260 VA	100.00%	6260 VA
HVAC	66432 VA	100.00%	66432 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	72692 VA
TOTAL EST. LOAD:	72692 VA
TOTAL CONN. CURRENT:	87 A
TOTAL EST. DEMAND...	87 A

BRANCH PANEL: 2HVE1

LOCATION:	STORAGE E206	VOLTS:	480/277 Wye	A.I.C. RATING:	25,000
SUPPLY FROM:	MDP1	PHASES:	3	MAINS TYPE:	MCB
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	250 A
ENCLOSURE:	Type 1			MCB RATING:	250 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER, SPD				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				9411	1855								2
3	RTU-D1	70 A	3			9411	1855			3	15 A	AHU-E1	4
5								9411	1855				6
7				5010	3540								8
9	AHU-E2	30 A	3			5010	3720			3	70 A	TRANSOFRMER TX-4	10
11								5010	3580				12
13	UNIT-E LIGHTING - EAST	20 A	1	2233									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
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67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	22049 VA		19996 VA		19856 VA					
			TOTAL AMPS:	80 A		72 A		72 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...
LIGHTING	2233 VA	100.00%	2233 VA
HVAC	48828 VA	100.00%	48828 VA
Spare	8500 VA	100.00%	8500 VA
RECEPTACLE	2340 VA	100.00%	2340 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	61901 VA
TOTAL EST. LOAD:	61901 VA
TOTAL CONN. CURRENT:	74 A
TOTAL EST. DEMAND...	74 A

BRANCH PANEL: 2LVE1

LOCATION:	STORAGE E206	VOLTS:	120/208 Wye	A.I.C. RATING:	25,000
SUPPLY FROM:	TX-4	PHASES:	3	MAINS TYPE:	MCB
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	125 A
ENCLOSURE:	Type 1			MCB RATING:	125 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER, SPD				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EX. CIRCUIT	20 A	1	500	500					1	20 A	EX. CIRCUIT	2
3	EX. CIRCUIT	20 A	1			500	500			1	20 A	EX. CIRCUIT	4
5	EX. CIRCUIT	20 A	1					500	500	1	20 A	EX. CIRCUIT	6
7	EX. CIRCUIT	20 A	1	500	500					1	20 A	EX. CIRCUIT	8
9	EX. CIRCUIT	20 A	1			500	500			1	20 A	EX. CIRCUIT	10
11	EX. CIRCUIT	20 A	1					500	500	1	20 A	EX. CIRCUIT	12
13	EX. CIRCUIT	20 A	1	500	500					1	20 A	EX. CIRCUIT	14
15	EX. CIRCUIT	20 A	1			500	500			1	20 A	EX. CIRCUIT	16
17	EX. CIRCUIT	20 A	1					500	360	1	20 A	AV RACK CIRCUIT #1	18
19	AV RACK CIRCUIT #2	20 A	1	360	180					1	20 A	AV RACK CIRCUIT #3	20
21	AV RACK CONTROL ROOM	20 A	1			360	360			1	20 A	CONTROL RM RECEPTS	22
23	CONTROL RM RECEPTS	20 A	1					360	360	1	20 A	AUD. PROJECTOR	24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
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65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	3540 VA		3720 VA		3580 VA					
			TOTAL AMPS:	30 A		31 A		30 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...
Spare	8500 VA	100.00%	8500 VA
RECEPTACLE	2340 VA	100.00%	2340 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	10840 VA
TOTAL EST. LOAD:	10840 VA
TOTAL CONN. CURRENT:	30 A
TOTAL EST. DEMAND...	30 A

BRANCH PANEL: 2HVC1

LOCATION:	TR-9/ELEC C207	VOLTS:	480/277 Wye	A.I.C. RATING:	25,000
SUPPLY FROM:	MDP1	PHASES:	3	MAINS TYPE:	MCB
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	350 A
ENCLOSURE:	Type 1			MCB RATING:	350 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				1107	4733								2
3	LAB - GARBAGE DISPOSAL SYSTEM	20 A	3			1107	4733			3	25 A	LAB - EXHAUST VENTILATION SYSTEM	4
5								1107	4733				6
7				60630	0								8
9	TRANSOFRMER TX-2	350 A	3			53495	0			3	110 A	TRANSFORMER TX-3	10
11								52692	0				12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
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61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	66396 VA		59272 VA		58449 VA					
			TOTAL AMPS:	240 A		214 A		211 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...
Power	77049 VA	100.00%	77049 VA
RECEPTACLE	86736 VA	55.76%	48368 VA
MOTORS	22555 VA	100.00%	22555 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	184110 VA
TOTAL EST. LOAD:	146407 VA
TOTAL CONN. CURRENT:	221 A
TOTAL EST. DEMAND...	176 A

BRANCH PANEL: 2LVC1

LOCATION:	CUST. C221	VOLTS:	120/208 Wye	A.I.C. RATING:	10,000
SUPPLY FROM:	TX-2	PHASES:	3	MAINS TYPE:	Breaker
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	600 A
ENCLOSURE:	Type 1			MCB RATING:	600 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	LAB - ICE MAKER	20 A	1	1920	1080					1	20 A	LAB - FREEZER #1	2
3	LAB - REFRIDGERATOR #1	20 A	1			540	1080			1	20 A	LAB - FREEZER #2	4
5	LAB - REFRIDGERATOR #2	20 A	1					540	1920	1	20 A	LAB - MICROWAVE #1	6
7	LAB - MICROWAVE #2	20 A	1	1920	1920					1	20 A	LAB - MICROWAVE #3	8
9	LAB - MICROWAVE #4	20 A	1			1920	2517			2	40 A	LAB - DISHWASHER	10
11	LAB - COUNTER MIXER	20 A	1					180	2517				12
13	LAB - SOUTH WALL RECEPT	20 A	1	360	360					1	20 A	LAB - SOUTH WALL RECEPT	14
15	LAB - SOUTH WALL RECEPT	20 A	1			540	360			1	20 A	LAB - EXHAUST VENT	16
17	LAB - FIRE SUPPRESSION	20 A	1					1920	180	1	20 A	LAB - FRYER BATTERY	18
19	LAB - COMBI OVEN	20 A	1	180	--					1	--	SHUNT TRIP	20
21	SHUNT TRIP	--	1			--	180			1	20 A	LAB - COMBI OVEN	22
23	LAB - WORKTABLE #1	20 A	1					1920	--	1	--	SHUNT TRIP	24
25	LAB - WORKTABLE #1	20 A	1	1920	1920					1	20 A	LAB - WORKTABLE #1	26
27	LAB - WORKTABLE #1	20 A	1			1920	2496			2	30 A	LAB - WORKTABLE #1	28
29	LAB - WORKTABLE #1	30 A	2					2496	2496				30
31				2496	1920					1	20 A	LAB - WORKTABLE #2	32
33	LAB - WORKTABLE #2	20 A	1			1920	1920			1	20 A	LAB - WORKTABLE #2	34
35	LAB - WORKTABLE #2	20 A	1					1920	2496	2	30 A	LAB - WORKTABLE #2	36
37	LAB - WORKTABLE #2	30 A	2	2496	2496								38
39						2496	1920			1	20 A	LAB - WORKTABLE #3	40
41	LAB - WORKTABLE #3	20 A	1					1920	1920	1	20 A	LAB - WORKTABLE #3	42
43	LAB - WORKTABLE #3	20 A	1	1920	2496					2	30 A	LAB - WORKTABLE #3	44
45	LAB - WORKTABLE #3	30 A	2			2496	2496						46
47								2496	1920	1	20 A	LAB - WORKTABLE #4	48
49	LAB - WORKTABLE #4	20 A	1	1920	1920					1	20 A	LAB - WORKTABLE #4	50
51	LAB - WORKTABLE #4	20 A	1			1920	2496			2	30 A	LAB - WORKTABLE #4	52
53	LAB - WORKTABLE #4	30 A	2					2496	2496				54
55				2496	540					1	20 A	LAB - TVs	56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79				29120									80
81	2LVC2	300 A	3			24960							82
83								21485					84
			TOTAL...	60630 VA		53495 VA		52692 VA					
			TOTAL AMPS:	506 A		447 A		439 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...
Power	77049 VA	100.00%	77049 VA
RECEPTACLE	86736 VA	55.76%	48368 VA
MOTORS	5034 VA	100.00%	5034 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	166811 VA
TOTAL EST. LOAD:	129002 VA
TOTAL CONN. CURRENT:	463 A
TOTAL EST. DEMAND...	358 A

BRANCH PANEL: 2LVC2

LOCATION:	CUST. C221	VOLTS:	120/208 Wye	A.I.C. RATING:	10,000
SUPPLY FROM:	2LVC1	PHASES:	3	MAINS TYPE:	Breaker
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	300 A
ENCLOSURE:	Type 1			MCB RATING:	300 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER, SPD				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	TEACHER STATION RANGE	50 A	2	4160	4160					2	50 A	STATION #1 RANGE	2
3						4160	4160						4
5	STATION #2 RANGE	50 A	2					4160	4160	2	50 A	STATION #3 RANGE	6
7				4160	4160								8
9	STATION #4 RANGE	50 A	2			4160	4160			2	50 A	STATION #5 RANGE	10
11								4160	4160				12
13	STATION #6 RANGE	50 A	2	4160	4160					2	50 A	STATION #7 RANGE	14
15						4160	4160						16
17	STATION #8 RANGE	50 A	2					4160	720	1	20 A	C207 STORAGE RECEPTS	18
19				4160									20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	29120 VA		24960 VA		21485 VA					
			TOTAL AMPS:	247 A		212 A		179 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...
Power	74880 VA	100.00%	74880 VA
RECEPTACLE	720 VA	100.00%	720 VA

PANEL TOTALS	
TOTAL CONN. LOAD:	75564 VA
TOTAL EST. LOAD:	75564 VA
TOTAL CONN. CURRENT:	210 A
TOTAL EST. DEMAND...	210 A

BRANCH PANEL: 2LVC3

LOCATION:	TR-9/ELEC C207	VOLTS:	120/208 Wye	A.I.C. RATING:	10,000
SUPPLY FROM:	TX-3	PHASES:	3	MAINS TYPE:	Breaker
MOUNTING:	Surface	WIRES:	4	MAINS RATING:	200 A
ENCLOSURE:	Type 1			MCB RATING:	200 A
PANEL REMARKS:	HINGED DOOR WITH HINGED COVER, SPD				

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	0 VA		0 VA		0 VA					
			TOTAL AMPS:	0 A		0 A		0 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...

PANEL TOTALS	
TOTAL CONN. LOAD:	0 VA
TOTAL EST. LOAD:	0 VA
TOTAL CONN. CURRENT:	0 A
TOTAL EST. DEMAND...	0 A

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL PANEL SCHEDULES

SHEET: E606

COMM #: 2265

1/16/2024 2:21:45 PM

BRANCH PANEL: 'HDP'
LOCATION: MECHANICAL... | VOLTS: 480/277 Wye | A.I.C. RATING: EX.
SUPPLY FROM: MDP2 | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 400 A
ENCLOSURE: Type 1 | MCB RATING: 400 A
REMARKS: EX. PANEL

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				0	0								2
3	EX. AHU-26	40 A	3			0	0			3	25 A	EX. AHU-25	4
5								0	0				6
7				0	0								8
9	EX. AHU- 28	15 A	3			0	0			3	15 A	EX. AHU-27	10
11								0	0				12
13				0	0								14
15	EX. AHU 29	20 A	3			0	0			3	20 A	EX. SPARE (TURNED ON)	16
17								0	0				18
19													20
21													22
23													24
25													26
27													28
29	EX. CIRCUIT (LIGHTS)	20 A	1					0					30
31				5813	0								32
33	RTU-E1 (USE EXISTING 45A SPARE BREAKER)	45 A	3			5813	0			3	45 A	EX. SPARE (TURNED ON)	34
35								5813	0				36
37				0	--								38
39	SPARE	70 A	3			0	--			3	--	PANEL 1H1 (200A TAPPED OFF BUSS)	40
41								0	--				42
			TOTAL...	5813 VA		5813 VA		5813 VA					
			TOTAL AMPS:	21 A		21 A		21 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
HVAC	17438 VA	100.00%	17438 VA		
				TOTAL CONN. LOAD:	17438 VA
				TOTAL EST. LOAD:	17438 VA
				TOTAL CONN. CURRENT:	21 A
				TOTAL EST. DEMAND...	21 A

BRANCH PANEL: '2L5'
LOCATION: MECHANICAL... | VOLTS: 120/208 Wye | A.I.C. RATING: EX.
SUPPLY FROM: | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 125 A
ENCLOSURE: Type 1 | MCB RATING: 125 A
REMARKS: EX. PANEL

PROVIDE AND INSTALL BREAKERS AS SHOWN. VERIFY COMPATIBILITY WITH EXISTING PANEL PRIOR TO ORDERING

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EX. CIRCUIT	20 A	1	0	0					1	20 A	EX. CIRCUIT	2
3	EX. CIRCUIT	20 A	1			0	0			1	20 A	EX. CIRCUIT	4
5	EX. CIRCUIT	20 A	1					0	0	1	20 A	EX. CIRCUIT	6
7	EX. CIRCUIT	20 A	1	0	0					1	20 A	EX. CIRCUIT	8
9	EX. CIRCUIT	20 A	1			0	0			1	20 A	EX. CIRCUIT	10
11	EX. CIRCUIT	20 A	1					0	0	1	20 A	EX. CIRCUIT	12
13	EX. CIRCUIT	20 A	1	0	0					1	20 A	EX. CIRCUIT	14
15	EX. CIRCUIT	20 A	1			0	0			1	20 A	EX. CIRCUIT	16
17	EX. CIRCUIT	20 A	1					0	0	1	20 A	EX. CIRCUIT	18
19	EX. CIRCUIT	20 A	1	0	0								20
21	EX. CIRCUIT	20 A	1			0	0			3	20 A	EX. CIRCUIT	22
23	EX. CIRCUIT	20 A	1					0	0				24
25	EX. CIRCUIT	20 A	1	0	0					1	20 A	EX. CIRCUIT	26
27	EX. CIRCUIT	20 A	1			0	0			1	20 A	EX. CIRCUIT	28
29	EX. CIRCUIT	20 A	1					0	0	1	20 A	EX. CIRCUIT	30
31	J140 IDF RECEPTS	20 A	1	720	0					1	20 A	EX. CIRCUIT	32
33	CU-J1 & SSAC-J1	20 A	1			500							34
35													36
37					0								38
39							0			3	100 A	EX. CIRCUIT	40
41									0				42
			TOTAL...	720 VA		500 VA		0 VA					
			TOTAL AMPS:	7 A		5 A		0 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
HVAC	500 VA	100.00%	500 VA		
RECEPTACLE	720 VA	100.00%	720 VA	TOTAL CONN. LOAD:	1190 VA
				TOTAL EST. LOAD:	1190 VA
				TOTAL CONN. CURRENT:	3 A
				TOTAL EST. DEMAND...	3 A

DISTRIBUTION BOARD: 1LV-DP3
LOCATION: ELEC. ROOM F113 | VOLTS: 120/208 Wye | A.I.C. RATING: 10,000
SUPPLY FROM: TX-DP3 | PHASES: 3 | MAINS TYPE: Breaker
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 800 A
ENCLOSURE: Type 1 | MCB RATING: 800 A
REMARKS:

CKT	CIRCUIT DESCRIPTION	# OF...	FRAM...	TRIP...	LOAD	REMARKS
1	PANEL 1LVF1	3	225 A	225 A	28991 VA	
2	PANEL 1LVF2	3	250 A	250 A	500 VA	
3	EX. PANEL '1L10'	3	225 A	225 A	13659 VA	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
				TOTAL CONNECTED...	42926 VA	
				TOTAL AMPS:	119 A	

LOAD CLASSIFICATION	CONNECTED...	DEMAND...	ESTIMATED...	PANEL TOTALS	
Power	1728 VA	100.00%	1728 VA		
LIGHTING	0 VA	0.00%	0 VA	TOTAL CONN. LOAD:	42926 VA
HVAC	1466 VA	100.00%	1466 VA	TOTAL EST. DEMAND:	33293 VA
Other	150 VA	100.00%	150 VA	TOTAL CONN. CURRENT:	119 A
Spare	500 VA	100.00%	500 VA	TOTAL EST. DEMAND...	92 A
RECEPTACLE	29340 VA	67.04%	19670 VA		
MOTOR	9628 VA	100.00%	9628 VA		
Appliance - Dwelling Unit	500 VA	100.00%	500 VA		

BRANCH PANEL: 1LVF1
LOCATION: ELEC. F106 | VOLTS: 120/208 Wye | A.I.C. RATING: 10,000
SUPPLY FROM: 1LV-DP3 | PHASES: 3 | MAINS TYPE: Breaker
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 225 A
ENCLOSURE: Type 1 | MCB RATING: 225 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	F102 TH. ARTS RECEPTS	20 A	1	1080	1080					1	20 A	F102 TH. ARTS RECEPTS	2
3	F102 TH. ARTS RECEPTS	20 A	1			1260	900			1	20 A	F102 TH. ARTS RECEPTS	4
5	F103 AG CLASS RECEPTS	20 A	1					1620	1080	1	20 A	F103 AG CLASS RECEPTS	6
7	F104 AG CLASS RECEPTS	20 A	1	1620	1080					1	20 A	F104 AG CLASS RECEPTS	8
9	F107 AG LAB RECEPTS	20 A	1			1260	540			1	20 A	F107 AG LAB RECEPTS	10
11	F107 AG LAB RECEPTS	20 A	1					1080	1260	1	20 A	F107 AG LAB RECEPTS	12
13	F107 AG LAB GOGGLE CAB	20 A	1	180	1260					1	20 A	F109 HEAD HOUSE RECEPTS	14
15	F106, F108, F120 RECEPTS	20 A	1			540	180			1	20 A	F110 STORAGE RECEPT	16
17	F114 PLTW CLASS RECEPTS	20 A	1					1260	1440	1	20 A	F114 PLTW CLASS FLOORBX	18
19	F114 PLTW CLASS FLOORBX	20 A	1	1440	900					1	20 A	F114 PLTW CLASS RECEPTS	20
21	F114 PLTW PLOTTER RECEP	20 A	1			180	1080			1	20 A	F101 & D129 CORR. RECEPTS	22
23	VAVs F5, F6, F1, F3, F4, F11,...	20 A	1					700	300	1	20 A	VAVs F8, F7, F9	24
25	F117 CORRIDOR RECEPTS	20 A	1	720	500					1	20 A	CU-F1 & SSAC-F1	26
27	PRE-F4	20 A	1			0	360			1	20 A	THEATER AV RACK CIRCUIT 1	28
29	THEATER AV RACK CIRCUIT 2	20 A	1					360	360	1	20 A	CAFETERIA AV RACK CIR 1	30
31	CAFETERIA AV RACK CIR 2	20 A	1	360	720					1	20 A	F120 IDF RECEPTS	32
33	F107 AG LAB RECEPTS	20 A	1			720	360			1	20 A	AG LAB FUME HOOD	34
35	ELEC/MECH RECEPTS	20 A	1					1260					36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	10892 VA		7380 VA		10720 VA					
			TOTAL AMPS:	95 A		62 A		94 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	0 VA	0.00%	0 VA		
HVAC	1466 VA	100.00%	1466 VA	TOTAL CONN. LOAD:	28991 VA
Other	0 VA	0.00%	0 VA	TOTAL EST. LOAD:	20221 VA
RECEPTACLE	27540 VA	68.16%	18770 VA	TOTAL CONN. CURRENT:	80 A
				TOTAL EST. DEMAND...	56 A

BRANCH PANEL: 1LVF2
LOCATION: PLTW SHOP F116 | VOLTS: 120/208 Wye | A.I.C. RATING: 10,000
SUPPLY FROM: 1LV-DP3 | PHASES: 3 | MAINS TYPE: Breaker
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 225 A
ENCLOSURE: Type 1 | MCB RATING: 225 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, TVSS

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	DUST COLLECTOR DC-1	20 A	1	500	0					1	20 A	PRE-F2 & PRE-F3	2
3	PRE-F1	20 A	1			0							4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	500 VA		0 VA		0 VA					
			TOTAL AMPS:	4 A		0 A		0 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
HVAC	0 VA	0.00%	0 VA		
Other	0 VA	0.00%	0 VA	TOTAL CONN. LOAD:	500 VA
Appliance - Dwelling Unit	500 VA	100.00%	500 VA	TOTAL EST. LOAD:	500 VA
				TOTAL CONN. CURRENT:	1 A
				TOTAL EST. DEMAND...	1 A

BRANCH PANEL: 2HVH1
LOCATION: ELECTRICAL H204 | VOLTS: 480/277 Wye | A.I.C. RATING: 25,000
SUPPLY FROM: MDP2 | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 400 A
ENCLOSURE: Type 1 | MCB RATING: 400 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				83040									2
3	SPARE	20 A	3			83040							4
5								83040					6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	83040 VA		83040 VA		83040 VA					
			TOTAL AMPS:	300 A		300 A		300 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Spare	249120 VA	100.00%	249120 VA		
				TOTAL CONN. LOAD:	249120 VA
				TOTAL EST. LOAD:	249120 VA
				TOTAL CONN. CURRENT:	300 A
				TOTAL EST. DEMAND...	300 A

BRANCH PANEL: 2HVH2
LOCATION: ELECTRICAL H204 | VOLTS: 480/277 Wye | A.I.C. RATING: 25,000
SUPPLY FROM: MDP2 | PHASES: 3 | MAINS TYPE: MCB
MOUNTING: Surface | WIRES: 4 | MAINS RATING: 250 A
ENCLOSURE: Type 1 | MCB RATING: 250 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				567	5010								2
3	AHU-E3	20 A	3			567	5010			3	30 A	AHU-H2	4
5								567	5010				6
7				5010	2724								8
9	AHU-H1	30 A	3			5010	2724			3	20 A	AHU-H3	10
11								5010	2724				12
13				2713	2720								14
15	AHU-H4	20 A	3			2713	3680			3	70 A	EX TX & EX. PANEL '2L4'	16
17								2713	2000				18
19				3840									20
21	TX-5 & PANEL 2LVH1	110 A	3			0							22
23								0					24
25													26
27													28
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67													68
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71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	22424 VA		19704 VA		18024 VA					
			TOTAL AMPS:	82 A		72 A		65 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	0 VA	0.00%	0 VA		
HVAC	48071 VA	100.00%	48071 VA	TOTAL CONN. LOAD:	60131 VA
Spare	6000 VA	100.00%	6000 VA	TOTAL EST. LOAD:	60131 VA
RECEPTACLE	2400 VA	100.00%	2400 VA	TOTAL CONN. CURRENT:	72 A
MOTOR	3840 VA	100.00%	3840 VA	TOTAL EST. DEMAND...	72 A

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: ELECTRICAL PANEL SCHEDULES
SHEET: E607
COMM #: 2265

1/16/2024 2:21:48 PM

BRANCH PANEL: 2LVH1

LOCATION: ELECTRICAL H204 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** 10,000
SUPPLY FROM: TX-5 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 225 A
ENCLOSURE: Type 1 | **MCB RATING:** 225 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	BATTING CAGE EAST	20 A	1	1920	1920					1	20 A	BATTING CAGE WEST	2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
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67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
		TOTAL...		3840 VA		0 VA		0 VA					
		TOTAL AMPS:		32 A		0 A		0 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	0 VA	0.00%	0 VA		
MOTOR	3840 VA	100.00%	3840 VA	**TOTAL CONN. LOAD:**	3840 VA
				TOTAL EST. LOAD:	3840 VA
				TOTAL CONN. CURRENT:	11 A
				TOTAL EST. DEMAND...	11 A

BRANCH PANEL: '2L4'

LOCATION: TR-11/ELEC H201 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EX. PANEL
SUPPLY FROM: EX. TX. | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 100 A
ENCLOSURE: Type 1 | **MCB RATING:** 100 A
REMARKS: EXISTING PANELBOARD

APPROXIMATE LOADS ARE SHOWN FOR EX. CIRCUITS. ACTUAL LOADS ARE UNKNOWN.

PROVIDE AND INSTALL BREAKERS AS SHOWN. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING.

PROVIDE AND INSTALL BREAKERS AS SHOWN. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING.

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EX. CIRCUIT	20 A	1	500	500					1	20 A	EX. CIRCUIT	2
3	EX. CIRCUIT	20 A	1			500	500			1	20 A	EX. CIRCUIT	4
5	EX. CIRCUIT	20 A	1					500	500	1	20 A	EX. CIRCUIT	6
7	EX. CIRCUIT	20 A	1	500	500					1	20 A	EX. CIRCUIT	8
9	EX. CIRCUIT	20 A	1			500	500			1	20 A	EX. CIRCUIT	10
11	EX. CIRCUIT	20 A	1					500	500	1	20 A	EX. CIRCUIT	12
13	AV RACK CIRCUIT 1	20 A	1	360	360					1	20 A	AV RACK CIRCUIT 2	14
15	AV RACK CIRCUIT 3	20 A	1			180	1500			1	20 A	H201 IDF RECEPTS	16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		TOTAL...		2720 VA		3680 VA		2000 VA					
		TOTAL AMPS:		24 A		32 A		17 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Spare	6000 VA	100.00%	6000 VA		
RECEPTACLE	2400 VA	100.00%	2400 VA	**TOTAL CONN. LOAD:**	8400 VA
				TOTAL EST. LOAD:	8400 VA
				TOTAL CONN. CURRENT:	23 A
				TOTAL EST. DEMAND...	23 A

DISTRIBUTION BOARD: HV-DP3

LOCATION: ELEC. ROOM F113 | **VOLTS:** 480/277 Wye | **A.I.C. RATING:**
SUPPLY FROM: | **PHASES:** 3 | **MAINS TYPE:** Breaker
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 500 A
ENCLOSURE: Type 1 | **MCB RATING:** 500 A
REMARKS:

CKT	CIRCUIT DESCRIPTION	# OF...	FRAM...	TRIP...	LOAD	REMARKS
1	PANEL 1HVF1	3	225 A	225 A	47522 VA	
2	PANEL 1HVG1	3	250 A	250 A	53965 VA	
3	PANEL 2HVH3	3	200 A	200 A	37695 VA	
4	AIR COMPRESSOR	3	30 A	30 A	11626 VA	
5	PUMP P-1 AND VFD-P1	3	100 A	100 A	43181 VA	
6	PUMP P-2 AND VFD-P2	3	100 A	100 A	43181 VA	
7	PUMP P-3 AND VFD-P3	3	100 A	100 A	43181 VA	
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
		TOTAL CONNECTED...			266670 VA	
		TOTAL AMPS:			321 A	

LOAD CLASSIFICATION	CONNECTED...	DEMAND...	ESTIMATED...	PANEL TOTALS	
Power	4 VA	100.00%	4 VA		
LIGHTING	21848 VA	100.00%	21848 VA	**TOTAL CONN. LOAD:**	266670 VA
HVAC	49472 VA	100.00%	49472 VA	**TOTAL EST. DEMAND:**	252760 VA
Motor	11626 VA	100.00%	11626 VA	**TOTAL CONN. CURRENT:**	321 A
Other	300 VA	100.00%	300 VA	**TOTAL EST. DEMAND...**	304 A
Spare	22160 VA	100.00%	22160 VA		
RECEPTACLE	39240 VA	62.74%	24620 VA		
MOTOR	3560 VA	100.00%	3560 VA		
MOTORS	2879 VA	100.00%	2879 VA		
Appliance - Dwelling Unit	129543 VA	100.00%	129543 VA		

BRANCH PANEL: 1HVF1

LOCATION: ELEC. F106 | **VOLTS:** 480/277 Wye | **A.I.C. RATING:** 25,000
SUPPLY FROM: HV-DP3 | **PHASES:** 3 | **MAINS TYPE:** Breaker
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 225 A
ENCLOSURE: Type 1 | **MCB RATING:** 225 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				3045	3045								2
3	RTU-F1	20 A	3			3045	3045	3045	3045	3	20 A	RTU-F2	4
5									3045				6
7	PLTW/WEST HALL LIGHTING	20 A	1	3420	3672					1	20 A	LIGHTING	8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37	SPARE	20 A	1	22160									38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
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75													76
77													78
79													80
81													82
83													84
		TOTAL...		35342 VA		6090 VA		6090 VA					
		TOTAL AMPS:		128 A		22 A		22 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
LIGHTING	7092 VA	100.00%	7092 VA		
HVAC	18270 VA	100.00%	18270 VA	**TOTAL CONN. LOAD:**	47522 VA
Spare	22160 VA	100.00%	22160 VA	**TOTAL EST. LOAD:**	47522 VA
				TOTAL CONN. CURRENT:	57 A
				TOTAL EST. DEMAND...	57 A

BRANCH PANEL: 1HVG1

LOCATION: J.C. H127 | **VOLTS:** 480/277 Wye | **A.I.C. RATING:** 25,000
SUPPLY FROM: HV-DP3 | **PHASES:** 3 | **MAINS TYPE:** Breaker
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 250 A
ENCLOSURE: Type 1 | **MCB RATING:** 250 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				3045	5677								2
3	RTU-G1	20 A	3			3045	5677			3	30 A	RTU-G2	4
5								3045	5677				6
7				1329	5674								8
9	RTU-G3	15 A	3			1329	5822			3	20 A	TX-6 & PANEL 1LVG1	10
11								1329	4860				12
13	WEIGHT RM LIGHTING	20 A	1	3320	2616					1	20 A	UNIT-G CORRIDOR LIGHTING	14
15	UNIT-H LOCKER RM/HALL LGT	20 A	1			1530							16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
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71													72
73													74
75													76
77													78
79													80
81													82
83													84
		TOTAL...		21658 VA		17397 VA		14911 VA					
		TOTAL AMPS:		80 A		64 A		54 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	4 VA	100.00%	4 VA		
LIGHTING	7466 VA	100.00%	7466 VA	**TOTAL CONN. LOAD:**	53965 VA
HVAC	30603 VA	100.00%	30603 VA	**TOTAL EST. LOAD:**	51495 VA
RECEPTACLE	14940 VA	83.47%	12470 VA	**TOTAL CONN. CURRENT:**	65 A
MOTOR	1000 VA	100.00%	1000 VA	**TOTAL EST. DEMAND...**	62 A

BRANCH PANEL: 1LVG1

LOCATION: J.C. H127 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** 10,000
SUPPLY FROM: TX-6 | **PHASES:** 3 | **MAINS TYPE:** Breaker
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 250 A
ENCLOSURE: Type 1 | **MCB RATING:** 250 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1						360				1	20 A	WATER COOLER EAST RR	2
3							1004			1	20 A	ADA DOORS G101 VEST.	4
5								900		1	20 A	G123 OFFICE RECEPTS	6
7	WATER COOLER WEST RR	20 A	1	360	720					1	20 A	G1212 WALK AV RECEPTS	8
9	G102 LOBBY RECEPTS	20 A	1			900	900			1	20 A	G120 WEIGHT RECEPTS	10
11	WATER COOLER WEIGHT (N)	20 A	1					180	900	1	20 A	G120 WEIGHT RECEPTS	12
13	G122 OFFICE RECEPTS	20 A	1	900	540					1	20 A	G120 WEIGHT RECEPTS	14
15	WATER COOLER WEIGHT (E)	20 A	1			180	720			1	20 A	G102 LOBBY GROUP RECEP	16
17	G120 WEIGHT RECEPTS	20 A	1					1080	1080	1	20 A	G103 CORRIDOR RECEPTS	18
19	G120 WEIGHT RECEPTS	20 A	1	1080	900					1	20 A	G103 CORR GROUP RECEP	20
21	STORAGE/IDF/DISPLAY RECP	20 A	1			1260	900			1	20 A	H128/129 RR RECEPTS	22
23	LOCKER ROOM AV RACK	20 A	1					360	360	1	20 A	WEIGHT RM AV RACK CIR 1	24
25	WEIGHT RM AV RACK CIR 2	20 A	1	360	500					1	20 A	SSAC-G1 & CU-G1	26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
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69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
		TOTAL...		5674 VA		5822 VA		4860 VA					
		TOTAL AMPS:		48 A		50 A		41 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	4 VA	100.00%	4 VA		
HVAC	500 VA	100.00%	500 VA	**TOTAL CONN. LOAD:**	16353 VA
RECEPTACLE	14940 VA	83.47%	12470 VA	**TOTAL EST. LOAD:**	13884 VA
MOTOR	1000 VA	100.00%	1000 VA	**TOTAL CONN. CURRENT:**	45 A
				TOTAL EST. DEMAND...	39 A

BRANCH PANEL: 1LVG2

LOCATION: ELEC. G150 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** 10,000
SUPPLY FROM: TX-6 | **PHASES:** 3 | **MAINS TYPE:** Breaker
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 200 A
ENCLOSURE: NEMA 4X | **MCB RATING:** 200 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	W POOL LKRM RECEPTS	20 A	1	1440	1440					1	20 A	WATER COOLER EAST RR	2
3	G130 COACH RECEPTS	20 A	1			900	1080			1	20 A	E POOL LKRM RECEPTS	4
5	G104 CLASS RECEPTS	20 A	1					1080	1080	1	20 A	G130 COACH RECEPTS	6
7	G126 KITCHENETTE RECEP	20 A	1	180	360					1	20 A	G104 CLASS RECEPTS	8
9	G126 KITCHENETTE RECEP	20 A	1			180	180			1	20 A	G126 KITCHENETTE RECEP	10
11	G125 TIMING RECEPTS	20 A	1					540	540	1	20 A	G126 KITCHENETTE COOLER	12
13	N. POOL DECK/G111 RECEPT	20 A	1	1260	360					1	20 A	CUST/IDF/RR/CHANG RECEP	14
15	WATER COOLER G111 WEST	20 A	1			180	180			1	20 A	WATER COOLERS POOL	16
17	G118 VEST/DISPLAY RECEP	20 A	1					720	1080	1	20 A	WATER COOLER G111 EAST	18
19	G132 POOL EQ. RECEPTS	20 A	1	720	1080					1	20 A	S. POOL DECK RECEPTS	20
21	POOL AUDIO/VID RECEPT SE	20 A	1			360	720			1	20 A	E. POOL DECK RECEPTS	22
23	ADA DOORS POOL VEST.	20 A	1					1004	450	1	20 A	GRANDSTAND FLOORBOXES	24
25	POOL AV RACK CIRCUIT 1	20 A	1	360	360					1	20 A	VAV's G1, G2, G3, & G4	26
27	G140 IDF RECEPTS	20 A	1			720	500			1	20 A	POOL AV RACK CIRCUIT 2	28
29	POOL CONTROLLER	20 A	1					1220	500	1	20 A	SSAC-G2 & CU-G2	30
31	FILTER CONTROL PANEL	20 A	1	500	500					1	20 A	PACE CLOCK (S)	32
33	CHLORINE BOOSTER PUMP	20 A	1			1512	500			1	20 A	PULSAR UNIT	34
35	ENZYME PUMP	20 A	1					500	250			ACID MIXER	36
37	AIR COMPRESSOR	20 A	1	1920	250					2	40 A	UV SYSTEM	38
39	CO2 SAFETY MONITOR	20 A	1			1920	1920			1	20 A	POOL HEATER (PH-1)	40
41	UH-G1 POOL EQUIPMENT RM	20 A	1					100	360	1	20 A	TIMING SYSTEM RECEP (W)	42
43	TIMING SYSTEM RECEP (E)	20 A	1	360	500					1	20 A	PACE CLOCK (N)	44
45	TIMING SYSTEM G125	20 A	1			360	500			1	20 A	SCOREBOARD	46
47													48
49													50
51													52
53													54
55													56
57													58
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75													76
77													78
79													80
81													82
83													84
		TOTAL...		11578 VA		11556 VA		9370 VA					
		TOTAL AMPS:		99 A		99 A		78 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	1004 VA	100.00%	1004 VA		
HVAC	926 VA	100.00%	926 VA	**TOTAL CONN. LOAD:**	32461 VA
Other	100 VA	100.00%	100 VA	**TOTAL EST. LOAD:**	24858 VA
RECEPTACLE	25240 VA	69.81%	17620 VA	**TOTAL CONN. CURRENT:**	90 A
MOTOR	4932 VA	100.00%	4932 VA	**TOTAL EST. DEMAND...**	69 A
MOTORS	500 VA	100.00%	500 VA		

BRANCH PANEL: 2HVH3

LOCATION: ELECTRICAL H204 | **VOLTS:** 480/277 Wye | **A.I.C. RATING:** 25,000
SUPPLY FROM: HV-DP3 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 200 A
ENCLOSURE: Type 1 | **MCB RATING:** 200 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				9857	3194					1	20 A	LIGHTING - UNIT-E WEST	2
3	TX-7 & PANEL 2LVH2	70 A	3			10113	4096			1	20 A	LIGHTING - BAND & CHOIR	4
5								10456					6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
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63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
		TOTAL...		13049 VA		14196 VA		10456 VA					
		TOTAL AMPS:		49 A		53 A		38 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	0 VA	0.00%	0 VA		
LIGHTING	7290 VA	100.00%	7290 VA	**TOTAL CONN. LOAD:**	37695 VA
HVAC	600 VA	100.00%	600 VA	**TOTAL EST. LOAD:**	30554 VA
Other	300 VA	100.00%	300 VA	**TOTAL CONN. CURRENT:**	45 A
RECEPTACLE	24300 VA	70.58%	17150 VA	**TOTAL EST. DEMAND...**	37 A
MOTOR	2960 VA	100.00%	2960 VA		
MOTORS	2879 VA	100.00%	2879 VA		

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: **PURSIFULL**

DATE: **JANUARY 16, 2024**

SHEET NAME:
ELECTRICAL PANEL SCHEDULES

SHEET: **E608**

COMM #: 2265

1/16/2024 2:31:51 PM

BRANCH PANEL: 2LVH2

LOCATION: ELECTRICAL H204 — VOLTS: 120/208 Wye — A.I.C. RATING: 10,000
SUPPLY FROM: TX-7 — PHASES: 3 — MAINS TYPE: MCB
MOUNTING: Surface — WIRES: 4 — MAINS RATING: 150 A
ENCLOSURE: Type 1 — MCB RATING: 150 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	BAND AV RACK CIRCUIT 1	20 A	1	360	360					1	20 A	BAND AV RACK CIRCUIT 2	2
3	CHOIR AV RACK CIRCUIT 1	20 A	1			360	360			1	20 A	CHOIR AV RACK CIRCUIT 2	4
5	ENSEMBLE AV RACK CIRC 1	20 A	1					360	360	1	20 A	ENSEMBLE AV RACK CIRC 2	6
7	LOCKER ROOM AV RACK	20 A	1	360	1260					1	20 A	E116 BAND RM RECEPTS	8
9	E116 BAND RM RECEPTS	20 A	1			720	500			1	20 A	E116 BAND PROJ SCREEN	10
11	E116 BAND RM RECEPTS	20 A	1					720	900	1	20 A	E116 BAND RM RECEPTS	12
13	E117 CHOIR PROJ SCREEN	20 A	1	500	1260					1	20 A	E117 CHOIR RM RECEPTS	14
15	E117 CHOIR RM RECEPTS	20 A	1			720	1080			1	20 A	E117 CHOIR RM RECEPTS	16
17	E118 OFFICE RECEPTS	20 A	1					900	900	1	20 A	E118 OFFICE RECEPTS	18
19	EWC BAND CORRIDOR	20 A	1	360	180					1	20 A	EWC LOCKER RM E121 HALL	20
21	E133 OFFICE RECEPTS	20 A	1			720	900			1	20 A	E133 OFFICE RECEPTS	22
23	E132 INST. ST. RECEPTS	20 A	1					1080	1080	1	20 A	E131,E145,E143,E144 RCPT	24
25	E128 CORRIDOR RECEPTS	20 A	1	1080	180					1	20 A	E127 STAFF PRINTER	26
27	E127 STAFF RECEPTS	20 A	1			360	360			1	20 A	E127 STAFF RECEPTS	28
29	E119 LOCKER RECEPTS	20 A	1					540	720	1	20 A	E123, E121,E120 RECEPTS	30
31	E122 COACH RECEPTS	20 A	1	1080	540					1	20 A	E126 PRACTICE RECEPTS	32
33	E125 PRACTICE RECEPTS	20 A	1			540	1080			1	20 A	E129 PRACTICE RECEPTS	34
35	VAVs...	20 A	1					900	1080	1	20 A	E130 ENSEMBLE RECEPT	36
37	E130 ENSEMBLE RECEPT	20 A	1	720	720					1	20 A	E130 ENSEMBLE RECEPT	38
39						960	1560			1	20 A	DRYER - E144 LAUNDRY	40
41	WASHER - E144 LAUNDRY	20 A	3					960					42
43				960									44
45													46
47													48
49													50
51													52
53													54
55													56
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71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	9857 VA		10113 VA		10456 VA					
			TOTAL AMPS:	82 A		85 A		87 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	0 VA	0.00%	0 VA		
HVAC	600 VA	100.00%	600 VA	TOTAL CONN. LOAD:	30414 VA
Other	300 VA	100.00%	300 VA	TOTAL EST. LOAD:	23279 VA
RECEPTACLE	24300 VA	70.58%	17150 VA	TOTAL CONN. CURRENT:	84 A
MOTOR	2560 VA	100.00%	2560 VA	TOTAL EST. DEMAND...	65 A
MOTORS	2879 VA	100.00%	2879 VA		

BRANCH PANEL: 1HVG2

LOCATION: ELEC. G150 — VOLTS: 480/277 Wye — A.I.C. RATING: 25,000
SUPPLY FROM: MDP2 — PHASES: 3 — MAINS TYPE: Breaker
MOUNTING: Surface — WIRES: 4 — MAINS RATING: 225 A
ENCLOSURE: NEMA 4X — MCB RATING: 225 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				11578	14394								2
3	TX-8	0 A	3			11556	14394			3	100 A	FILTER PUMP AND VFD	4
5								9370	14394				6
7				1329	4310					1	20 A	POOL LIGHTING (NORTH)	8
9	VFD-P9 AND PUMP P-9	20 A	3			1329	4310			1	20 A	POOL LIGHTING (NE)	10
11								1329	3448	1	20 A	POOL LIGHTING (SE)	12
13	POOL LIGHTING (SOUTH)	20 A	1	4310	3448					1	20 A	POOL LIGHTING (SW)	14
15	POOL LIGHTING (NW)	20 A	1			3448	3199			1	20 A	UNIT-G LCKR/POOL STR LGHT	16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
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73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	38918 VA		37894 VA		28238 VA					
			TOTAL AMPS:	146 A		142 A		102 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	1004 VA	100.00%	1004 VA		
LIGHTING	26473 VA	100.00%	26473 VA	TOTAL CONN. LOAD:	105020 VA
HVAC	926 VA	100.00%	926 VA	TOTAL EST. LOAD:	97489 VA
Motor	3986 VA	100.00%	3986 VA	TOTAL CONN. CURRENT:	126 A
Other	100 VA	100.00%	100 VA	TOTAL EST. DEMAND...	117 A
RECEPTACLE	25240 VA	69.81%	17620 VA		
MOTOR	4932 VA	100.00%	4932 VA		
MOTORS	43681 VA	100.00%	43681 VA		

BRANCH PANEL: HV-LS1

LOCATION: BOILER ROOM D115 — VOLTS: 480/277 Wye — A.I.C. RATING: 25,000
SUPPLY FROM: MDP1 — PHASES: 3 — MAINS TYPE: Breaker
MOUNTING: Surface — WIRES: 4 — MAINS RATING: 150 A
ENCLOSURE: Type 1 — MCB RATING: 150 A
REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				3045	1360								2
3	RTU-A3	20 A	3			3045	1680			3	50 A	TX-LS1	4
5								3045	1680				6
7				17249	1844					1	20 A	MAIN OFFICE EM LIGHTS	8
9	HV-LS2	100 A	3			16623	2650			1	20 A	UNIT-A WEST EM LIGHTS	10
11								12254	4176	1	20 A	EM LIGHTS UNIT-C	12
13	EM LIGHTING UNIT-B	20 A	1	4264	1068					1	20 A	EM LIGHTS STAGE/HALLS	14
15	UNIT-G EM LIGHTING	20 A	1			2975	1779			1	20 A	EM LIGHTS UPPER UNIT-C	16
17													18
19													20
21	SPARE	20 A	1			4256							22
23	SPARE	20 A	1					4256					24
25	SPARE	20 A	1	4256									26
27	SPARE	20 A	1			4256							28
29													30
			TOTAL...	33087 VA		37264 VA		25412 VA					
			TOTAL AMPS:	124 A		139 A		92 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
LIGHTING	23992 VA	100.00%	23992 VA		
HVAC	9135 VA	100.00%	9135 VA	TOTAL CONN. LOAD:	95763 VA
Spare	50316 VA	100.00%	50316 VA	TOTAL EST. LOAD:	95763 VA
RECEPTACLE	6120 VA	100.00%	6120 VA	TOTAL CONN. CURRENT:	115 A
LTG.	6200 VA	100.00%	6200 VA	TOTAL EST. DEMAND...	115 A

BRANCH PANEL: HV-LS2

LOCATION: ELEC. ROOM F113 — VOLTS: 480/277 Wye — A.I.C. RATING: 25,000
SUPPLY FROM: HV-LS1 — PHASES: 3 — MAINS TYPE: Breaker
MOUNTING: Surface — WIRES: 4 — MAINS RATING: 100 A
ENCLOSURE: Type 1 — MCB RATING: 100 A
REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				1860	2718					1	20 A	WEIGHT RM/UNIT-G EM LIGHT	2
3	TX-LS2	50 A	3			1360	2495			1	20 A	UNIT-E EM LIGHTING	4
5								1680	2062	1	20 A	UNIT-F EM LIGHTING	6
7	UNIT-H EM LIGHTING	20 A	1	2000	2160					1	20 A	UNIT-J FIRST LEVEL EM LGT	8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27	SPARE	20 A	1			4256							28
29	SPARE	20 A	1					4256					30
31	SPARE	20 A	1	4256									32
33	SPARE	20 A	1			4256							34
35	SPARE	20 A	1					4256					36
37	SPARE	20 A	1	4256									38
39	SPARE	20 A	1			4256							40
41													42
			TOTAL...	17249 VA		16623 VA		12254 VA					
			TOTAL AMPS:	65 A		62 A		44 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
LIGHTING	10884 VA	100.00%	10884 VA		
Spare	31292 VA	100.00%	31292 VA	TOTAL CONN. LOAD:	46126 VA
RECEPTACLE	3400 VA	100.00%	3400 VA	TOTAL EST. LOAD:	46126 VA
LTG.	550 VA	100.00%	550 VA	TOTAL CONN. CURRENT:	55 A
				TOTAL EST. DEMAND...	55 A

BRANCH PANEL: LV-LS1

LOCATION: BOILER ROOM D115 — VOLTS: 120/208 Wye — A.I.C. RATING: 10,000
SUPPLY FROM: TX-LS1 — PHASES: 3 — MAINS TYPE: MCB
MOUNTING: Surface — WIRES: 4 — MAINS RATING: 100 A
ENCLOSURE: Type 1 — MCB RATING: 100 A
REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	IDF-01 (A123)	20 A	1	500	180					1	20 A	SECURITY PANEL A123 IDF	2
3	IDF-02 (A190)	20 A	1			500	180			1	20 A	SECURITY PANEL A190 IDF	4
5	IDF-03 (B138)	20 A	1					500	180	1	20 A	SECURITY PANEL B138 IDF	6
7	IDF-08 (C207)	20 A	1	500	180					1	20 A	SECURITY PANEL C207 STOR	8
9	FIRE ALARM	20 A	1			500	500			1	20 A	FIRE ALARM	10
11	BMS	20 A	1					500	500	1	20 A	BMS	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			TOTAL...	1360 VA		1680 VA		1680 VA					
			TOTAL AMPS:	11 A		14 A		14 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Spare	2000 VA	100.00%	2000 VA		
RECEPTACLE	2720 VA	100.00%	2720 VA	TOTAL CONN. LOAD:	4720 VA
				TOTAL EST. LOAD:	4720 VA
				TOTAL CONN. CURRENT:	13 A
				TOTAL EST. DEMAND...	13 A

BRANCH PANEL: LV-LS2

LOCATION: ELEC. ROOM F113 — VOLTS: 120/208 Wye — A.I.C. RATING: 10,000
SUPPLY FROM: TX-LS2 — PHASES: 3 — MAINS TYPE: Breaker
MOUNTING: Surface — WIRES: 4 — MAINS RATING: 100 A
ENCLOSURE: Type 1 — MCB RATING: 100 A
REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	IDF-04 (F120)	20 A	1	500	180					1	20 A	SECURITY PANEL F120 IDF	2
3	IDF-05 (G140)	20 A	1			500	180			1	20 A	SECURITY PANEL G140 IDF	4
5	IDF-06 (G141)	20 A	1					500	180	1	20 A	SECURITY PANEL G141 IDF	6
7	IDF-07 (J140)	20 A	1	500	180					1	20 A	SECURITY PANEL J140 IDF	8
9	IDF-09 (H201)	20 A	1			500	180			1	20 A	SECURITY PANEL H201 IDF	10
11	BMS	20 A	1					500	500	1	20 A	FIRE ALARM	12
13	FIRE ALARM	20 A	1	500									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			TOTAL...	1860 VA		1360 VA		1680 VA					
			TOTAL AMPS:	16 A		11 A		14 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Spare	1500 VA	100.00%	1500 VA		
RECEPTACLE	3400 VA	100.00%	3400 VA	TOTAL CONN. LOAD:	4900 VA
				TOTAL EST. LOAD:	4900 VA
				TOTAL CONN. CURRENT:	14 A
				TOTAL EST. DEMAND...	14 A

BRANCH PANEL: HV-OS1

LOCATION: BOILER ROOM D115 — VOLTS: 480/277 Wye — A.I.C. RATING: 25,000
SUPPLY FROM: MDP1 — PHASES: 3 — MAINS TYPE: Breaker
MOUNTING: Surface — WIRES: 4 — MAINS RATING: 350 A
ENCLOSURE: Type 1 — MCB RATING: 350 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				16706	2214								2
3	TX-OS1, PANEL LV-OS1	110 A	3			16659	2214			3	15 A	BOILER B-1	4
5								19081	2214				6
7				2214	2214								8
9	BOILER B-2	15 A	3			2214	2214			3	15 A	BOILER B-3	10
11								2214	2214				12
13				11072	11072								14
15	P-5 & VFD-P5	70 A	3			11072	11072			3	70 A	P-4 & VFD-P4	16
17								11072	11072				18
19				1000	3045								20
21	TX-OS2, PANEL LV-OS3	70 A	3			0	3045			3	20 A	INLINE PUMP P-6	22
23								0	3045				24
25				3045	3045								26
27	INLINE PUMP P-7	20 A	3			3045	3045			3	20 A	INLINE PUMP P-8	28
29								3045	3045				30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
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67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	55628 VA		54580 VA		57003 VA					
			TOTAL AMPS:	201 A		197 A		206 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	21258 VA	100.00%	21258 VA		
HVAC	32896 VA	100.00%	32896 VA	TOTAL CONN. LOAD:	167211 VA
Motor	66432 VA	100.00%	66432 VA	TOTAL EST. LOAD:	159753 VA
Other	21709 VA	100.00%	21709 VA	TOTAL CONN. CURRENT:	201 A
RECEPTACLE	24917 VA	70.07%	17458 VA	TOTAL EST. DEMAND...	192 A

BRANCH PANEL: LV-OS1

LOCATION: BOILER ROOM D115 — VOLTS: 120/208 Wye — A.I.C. RATING: 10,000
SUPPLY FROM: TX-OS1 — PHASES: 3 — MAINS TYPE: MCB
MOUNTING: RECESSED — WIRES: 4 — MAINS RATING: 250 A
ENCLOSURE: Type 1 — MCB RATING: 250 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				9120	200					1	20 A	COOLER EVAP COIL 2	2
3	LV-OS3	150 A	3			9512	1176			1	20 A	EVAP. COIL HEATER 2	4
5								10300	1920	1	20 A	HEATED DRAIN TAPE 1	6
7	COOLER EVAP COIL 1	20 A	1	200	120					1	20 A	EVAPORATOR COIL FAN 1	8
9	EVAPORATOR COIL FAN 2	20 A	1			120	1000			1	20 A	COOLER LIGHTS	10
11	HEATED DRAIN TAPE 2	20 A	1					1920	1151				12
13	EVAP. COIL HEATER 1	20 A	1	1176	1151					3	20 A	CONDENSING UNIT - COOLER	14
15	FREEZER LIGHTS	20 A	1			1000	1151						16
17								2351	780	1	20 A	SALAD PREP FRIDGE	18
19	CONDENSING UNIT - FREEZER	30 A	3	2351	1920					1	20 A	FIRE SUPRESSION SYSTEM	20
21						2351	350			1	20 A	CH-D3	22
23	REACH-IN CHILLER/FREEZER	20 A	1					325	350	1	20 A	CH-D2	24
25	PIZZA REFRIDGERATOR	20 A	1	468	0					1	20 A	CH-C2	26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
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67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			TOTAL...	16706 VA		16659 VA		19081 VA					
			TOTAL AMPS:	139 A		139 A		159 A					

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS	
Power	21258 VA	100.00%	21258 VA		
HVAC	4495 VA	100.00%	4495 VA	TOTAL CONN. LOAD:	52446 VA
Other	1780 VA	100.00%	1780 VA	TOTAL EST. LOAD:	44987 VA
RECEPTACLE	24917 VA	70.07%	17458 VA	TOTAL CONN. CURRENT:	146 A
				TOTAL EST. DEMAND...	125 A

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: ELECTRICAL PANEL SCHEDULES
SHEET: E609
COMM #: 2265

1/16/2024 2:21:54 PM

BRANCH PANEL: LV-OS2

LOCATION: ELEC. ROOM F113 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** 10,000
SUPPLY FROM: TX-OS2 | **PHASES:** 3 | **MAINS TYPE:** Breaker
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 150 A
ENCLOSURE: Type 1 | **MCB RATING:** 150 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	CH-F1	20 A	1	500	500		1	20 A	CH-F2	2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
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63										64
65										66
67										68
69										70
71										72
73										74
75										76
77										78
79										80
81										82
83										84
	TOTAL...			1000 VA	0 VA	0 VA				
	TOTAL AMPS:			8 A	0 A	0 A				

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
HVAC	1000 VA	100.00%	1000 VA	
				TOTAL CONN. LOAD: 1000 VA
				TOTAL EST. LOAD: 1000 VA
				TOTAL CONN. CURRENT: 3 A
				TOTAL EST. DEMAND... 3 A

CIRCUITS ARE BASED ON EXISTING DRAWINGS/EXISTING PANEL CARDS. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING CIRCUITS, REMOVED DEVICES, AND EXISTING SPARES. DESIGN INTENT IS TO REUSE EXISTING LOCAL CIRCUITS TO SERVE NEW DEVICES IN AREA AS CALLED OUT ON ELECTRICAL PLANS. FIELD DETERMINE LOCATION OF CIRCUITS AS REQUIRED. BREAKERS IN EXISTING PANELS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL FIELD DETERMINE IF EXISTING CIRCUITS ARE TERMINATED DURING DEMOLITION. CONTRACTOR MAY REUSE EXISTING 20A/1P CIRCUIT BREAKER FOR NEW FEEDS AS ALLOWABLE.

CONTRACTOR RESPONSIBLE FOR PULLING CIRCUITS TO ALL NEW LOCATIONS AS SHOWN ON ELECTRICAL PLANS. REFER TO POWER PLAN FOR DEVICE LOCATIONS.

BRANCH PANEL: EX. '1L6A'

LOCATION: SCIENCE PREP C128 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
SUPPLY FROM: 1LV-DP2 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MAINS RATING:** 150 A
ENCLOSURE: EXISTING | **MCB RATING:** 150 A
REMARKS: EXISTING PANEL

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	C126 SCIENCE RECEPTS	20 A	1	360 540			1	20 A	C128 RECEPTS	2
3	C126 SCIENCE RECEPTS	20 A	1		360 180		1	20 A	C128 DISHWASHER	4
5	NORTH DISPLAY CASE RECP	20 A	1			540 180	1	20 A	C128 FRIDGE	6
7	C126 FUME HOOD IN	20 A	1	500 720			1	20 A	C128 RECEPTS	8
9	PRE-C5 - FUME HOOD C126	20 A	1		1176 360		1	20 A	C127 SCIENCE RECEPTS	10
11	C126 SCIENCE RECEPTS	20 A	1			720 360	1	20 A	C127 SCIENCE RECEPTS	12
13	C126 SCIENCE RECEPTS	20 A	1	720 360			1	20 A	C127 SCIENCE RECEPTS	14
15	C126 SCIENCE RECEPTS	20 A	1		540 540		1	20 A	SOUTH DISPLAY CASE RECP	16
17	C126 SCIENCE RECEPTS	20 A	1			1260 500	1	20 A	C127 FUME HOOD	18
19	C126 SCIENCE TEACHING	20 A	1	540 720			1	20 A	C127 SCIENCE RECEPTS	20
21	C126 SCI STUDENT TABLE	20 A	1		360 720		1	20 A	C127 SCIENCE RECEPTS	22
23	C126 SCI STUDENT TABLE	20 A	1			360 720	1	20 A	C127 SCIENCE RECEPTS	24
25	C126 SCI STUDENT TABLE	20 A	1	360 1260			1	20 A	C127 SCIENCE RECEPTS	26
27	C126 SCI STUDENT TABLE	20 A	1		360 540		1	20 A	C127 SCI TEACHING DESK	28
29	C126 SCI STUDENT TABLE	20 A	1			360 360	1	20 A	C127 SCI STUDENT TABLE	30
31	C126 SCI STUDENT TABLE	20 A	1	360 360			1	20 A	C127 SCI STUDENT TABLE	32
33	C126 SCI STUDENT TABLE	20 A	1		360 360		1	20 A	C127 SCI STUDENT TABLE	34
35	C126 SCI STUDENT TABLE	20 A	1			360 360	1	20 A	C127 SCI STUDENT TABLE	36
37	C126 SCI GOGGLE CABINET	20 A	1	180 360			1	20 A	C127 SCI STUDENT TABLE	38
39	PRE-C12 - C126 SCIENCE	20 A	1		864 360		1	20 A	C127 SCI STUDENT TABLE	40
41	PRE-C11 - C127 SCIENCE	20 A	1			864 360	1	20 A	C127 SCI STUDENT TABLE	42
	TOTAL...			16176 VA	15720 VA	14780 VA				
	TOTAL AMPS:			136 A	132 A	123 A				

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
Power	1500 VA	100.00%	1500 VA	
HVAC	1400 VA	100.00%	1400 VA	**TOTAL CONN. LOAD:** 46676 VA
Other	5256 VA	100.00%	5256 VA	**TOTAL EST. LOAD:** 32416 VA
RECEPTACLE	38520 VA	62.98%	24260 VA	**TOTAL CONN. CURRENT:** 130 A
				TOTAL EST. DEMAND... 90 A

BRANCH PANEL: LV-OS3

LOCATION: ELEC. ROOM C106 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** 10,000
SUPPLY FROM: LV-OS1 | **PHASES:** 3 | **MAINS TYPE:** Breaker
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 150 A
ENCLOSURE: Type 1 | **MCB RATING:** 150 A
PANEL REMARKS: HINGED DOOR WITH HINGED COVER, SPD

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	A124 TREASURER RECEPTS	20 A	1	1260 1620			1	20 A	A107 PRINCIPAL RECEPTS	2
3	A111 ASST. PRINC. RECEPTS	20 A	1		1440 720		1	20 A	A113 RECEPTS	4
5	A115 ASST. PRINC. RECEPTS	20 A	1			1620 1260	1	20 A	A117 CONFR RECEPTS	6
7	RECORDS/CUSTI/CORR.	20 A	1	1080 1080			1	20 A	HALL/TOILET RECEPTS	8
9	VEST/CORR/WAITING RECPT	20 A	1		1260 1260		1	20 A	A104 STUDENT SERV RECPT	10
11	STUDENT SERV/OFFICE REC.	20 A	1			1620 1260	1	20 A	A105 OFFICE REC. RECEPTS	12
13	A112 WORK MICROWAVE	20 A	1	1000 200			1	20 A	A112 WORK REFRIGERATOR	14
15	A112 WORK PRINTER	20 A	1		180 720		1	20 A	A112 WORK RECEPTS	16
17	A108 CONF RECEPTS	20 A	1			1440 200	1	20 A	A108 MINI FRIDGE	18
19	A128 CLINIC ICE MAKER	20 A	1	180 180			1	20 A	A128 CLINIC REFRIGERATOR	20
21	A128 CLINIC RECEPTS	20 A	1		900 1080		1	20 A	CLINIC RECEPTACLES	22
23	A127 NURSE/RR RECEPTS	20 A	1			1080 500	1	20 A	CH-A4	24
25	VAVs...	20 A	1	600 480			1	15 A	VAV-A15	26
27	VAVs...	20 A	1		700 975		1	20 A	CU-A2 & SSAC-A2	28
29	PRE-A3 & PRE-A4	20 A	1			400 200	1	20 A	PRE-A5	30
31	IDF CONV RECEPTS	20 A	1	720 360			1	20 A	CH-C1	32
33	CH-B1	20 A	1		150 150		1	20 A	CH-B2	34
35	CH-A1	20 A	1			360 360	1	20 A	CH-A3	36
37	CH-A2	20 A	1	360						38
39										40
41										42
43										44
45										46
47										48
49										50
51										52
53										54
55										56
57										58
59										60
	TOTAL...			9120 VA	9512 VA	10300 VA				
	TOTAL AMPS:			76 A	80 A	86 A				

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
HVAC	4495 VA	100.00%	4495 VA	
Other	1080 VA	100.00%	1080 VA	**TOTAL CONN. LOAD:** 28931 VA
RECEPTACLE	23360 VA	71.40%	16680 VA	**TOTAL EST. LOAD:** 22251 VA
				TOTAL CONN. CURRENT: 80 A
				TOTAL EST. DEMAND... 62 A

CONTRACTOR SHALL FIELD DETERMINE IF EXISTING CIRCUITS ARE TERMINATED DURING DEMOLITION. CONTRACTOR MAY REUSE EXISTING 20A/1P CIRCUIT BREAKER FOR NEW FEEDS AS ALLOWABLE.

PROVIDE AND INSTALL NEW CIRCUIT BREAKER AS SHOWN IN EXISTING SPACE. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING BREAKERS.

BRANCH PANEL: EX. '1L6B'

LOCATION: SCIENCE PREP C128 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
SUPPLY FROM: EX. '1L6A' | **PHASES:** 3 | **MAINS TYPE:** FEED THRU LUGS
MOUNTING: SURFACE | **WIRES:** 4 | **MAINS RATING:** 150 A
ENCLOSURE: EXISTING | **MCB RATING:** 150 A
REMARKS: EXISTING PANEL

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	PRE-C26 - C128 PREP	20 A	1	500 360			1	20 A	C127 SCI STUDENT TABLE	2
3	C127 SCI GOGGLE CABINET	20 A	1		180 360		1	20 A	C128 SCI PREP RECEPTS	4
5	PRE-C4 FUME HOOD	20 A	1			1176 360	1	20 A	C128 SCI PREP RECEPTS	6
7	C128 PREP FUME HOOD	20 A	1	500 1176			1	20 A	PRE-C7 - FUME HOOD PREP	8
9	EX. SPARE	20 A	1		0 0		1	20 A	EX. SPARE	10
11	EX. SPARE	20 A	1			0 0	1	20 A	EX. SPARE	12
13	EX. SPARE	20 A	1	0 0			1	20 A	EX. SPARE	14
15	EX. SPARE	20 A	1		0 0		1	20 A	EX. SPARE	16
17	EX. SPARE	20 A	1			0 0	1	20 A	EX. SPARE	18
19	EX. SPARE	20 A	1	0 0			1	20 A	EX. SPARE	20
21	EX. SPARE	20 A	1		0 0		1	20 A	EX. SPARE	22
23	EX. SPARE	20 A	1			0 0	1	20 A	EX. SPARE	24
25	EX. SPARE	20 A	1	0 0			1	20 A	EX. SPARE	26
27	EX. SPARE	20 A	1		0 0		1	20 A	EX. SPARE	28
29	EX. SPARE	20 A	1			0 0	1	20 A	EX. SPARE	30
31	EX. SPACE	--	1	-- --			1	--	EX. SPACE	32
33	EX. SPACE	--	1		-- --		1	--	EX. SPACE	34
35	EX. SPACE	--	1			-- --	1	--	EX. SPACE	36
37	EX. SPACE	--	1	-- 6300						38
39	EX. SPACE	--	1		-- 8100		3	100 A	EX. PANEL '1L5'	40
41	EX. SPACE	--	1			-- 5940				42
	TOTAL...			8836 VA	8640 VA	7476 VA				
	TOTAL AMPS:			75 A	73 A	62 A				

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
Power	500 VA	100.00%	500 VA	
HVAC	1400 VA	100.00%	1400 VA	**TOTAL CONN. LOAD:** 24952 VA
Other	2352 VA	100.00%	2352 VA	**TOTAL EST. LOAD:** 19602 VA
RECEPTACLE	20700 VA	74.15%	15350 VA	**TOTAL CONN. CURRENT:** 69 A
				TOTAL EST. DEMAND... 54 A

CONTRACTOR SHALL FIELD DETERMINE IF EXISTING CIRCUITS ARE TERMINATED DURING DEMOLITION. CONTRACTOR MAY REUSE EXISTING 20A/1P CIRCUIT BREAKER FOR NEW FEEDS AS ALLOWABLE.

PROVIDE AND INSTALL NEW CIRCUIT BREAKER AS SHOWN IN EXISTING SPACE. VERIFY COMPATIBILITY WITH EXISTING EQUIPMENT PRIOR TO ORDERING BREAKERS.

BRANCH PANEL: '1L5'

LOCATION: CORRIDOR C146 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EX
SUPPLY FROM: EX. '1L6B' | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: RECESSED | **WIRES:** 4 | **MAINS RATING:** 225 A
ENCLOSURE: EXISTING | **MCB RATING:** 225 A
REMARKS: EX. RECESSED PANEL RELOCATED AS SHOWN

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EX. CIRCUIT	20 A	1	0 0			1	20 A	EX. CIRCUIT	2
3	EX. CIRCUIT	20 A	1		0 0		1	20 A	EX. CIRCUIT	4
5	EX. CIRCUIT	20 A	1			0 0	1	20 A	EX. CIRCUIT	6
7	EX. CIRCUIT	20 A	1	0 0			1	20 A	EX. CIRCUIT	8
9	EX. CIRCUIT	20 A	1		0 0		1	20 A	EX. CIRCUIT	10
11	EX. CIRCUIT	20 A	1			0 0	1	20 A	EX. CIRCUIT	12
13	EX. CIRCUIT	20 A	1	0 0			1	20 A	EX. CIRCUIT	14
15	EX. CIRCUIT	20 A	1		0 0		1	20 A	EX. CIRCUIT	16
17	C152 BUSINESS RECEPTS	20 A	1			1080 0	1	20 A	EX. CIRCUIT	18
19	C152 BUSINESS RECEPTS	20 A	1	1080 0			1	20 A	EX. CIRCUIT	20
21	C152 BUSINESS RECEPTS	20 A	1		1800 0		1	20 A	EX. CIRCUIT	22
23	C152 BUSINESS RECEPTS	20 A	1			1080 0	1	20 A	EX. CIRCUIT	24
25	C152 BUSINESS FLOORBOX	20 A	1	1080 720			1	20 A	C152 BUSINESS RECEPTS	26
27	C150 SMALL GRP RECEPTS	20 A	1		1440 1800		1	20 A	C148 BUSINESS RECEPTS	28
29	C148 BUSINESS RECEPTS	20 A	1			1080 1260	1	20 A	C148 BUSINESS RECEPTS	30
31	C151 CLASSROOM RECEPTS	20 A	1	1440 900			1	20 A	C151 CLASSROOM RECEPTS	32
33	C149 CONF. RECEPTS	20 A	1		1080 1080		1	20 A	C144 SENSORY/HALL RECEPT	34
35	C143 RESOURCE RECEPTS	20 A	1			1440 0	1	20 A	EX. CIRCUIT	36
37	C143 RESOURCE RECEPTS	20 A	1	1080 0			1	20 A	EX. CIRCUIT	38
39	VAVs...	20 A	1		900 0		1	20 A	EX. CIRCUIT	40
41						0	1	20 A	EX. CIRCUIT	42
	TOTAL...			6300 VA	8100 VA	5940 VA				
	TOTAL AMPS:			53 A	68 A	50 A				

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
HVAC	900 VA	100.00%	900 VA	
RECEPTACLE	19440 VA	75.72%	14720 VA	**TOTAL CONN. LOAD:** 20340 VA
				TOTAL EST. LOAD: 15620 VA
				TOTAL CONN. CURRENT: 56 A
				TOTAL EST. DEMAND... 43 A

CIRCUITS ARE BASED ON EXISTING DRAWINGS AND EXISTING PANEL CARDS. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING CIRCUITS, REMOVED DEVICES, AND EXISTING SPARES. DESIGN INTENT IS TO REUSE EXISTING LOCAL CIRCUITS TO SERVE NEW DEVICES IN AREA AS CALLED OUT ON ELECTRICAL PLANS. FIELD DETERMINE LOCATION OF CIRCUITS AS REQUIRED. BREAKERS IN EXISTING PANELS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL FIELD DETERMINE IF EXISTING CIRCUITS ARE TERMINATED DURING DEMOLITION. CONTRACTOR MAY REUSE EXISTING 20A/1P CIRCUIT BREAKER FOR NEW FEEDS AS ALLOWABLE. IN EX. PANEL 1L10 BREAKERS WITHIN PANEL ARE UNKNOWN, EXISTING PLANS AND EXISTING PANEL CARD VARY.

PANEL SHALL RECEIVE NEW ENLCOSURE AS NOTED.

BRANCH PANEL: EX. '1L10'

LOCATION: HEAD HOUSE F109 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
SUPPLY FROM: 1LV-DP3 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: Surface | **WIRES:** 4 | **MAINS RATING:** 125 A
ENCLOSURE: NEW NEMA 4X | **MCB RATING:** 125 A
REMARKS: EXISTING PANEL RECEIVING NEW ENCLOSURE

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	CEF-F1, CEF-F4, CEF-F5	20 A	1	300 360			1	20 A	EX. RECEPT CIRCUIT	2
3	CEF-F2, CEF-F3, CEF-F6	20 A	1		300 360		1	20 A	EX. RECEPT CIRCUIT	4
5	GUH-F1 - GREENHOUSE	20 A	1			250 360	1	20 A	EX. RECEPT CIRCUIT	6
7	GUH-F2 - GREENHOUSE	20 A	1	250 360			1	20 A	EX. RECEPT CIRCUIT	8
9	EXISTING VENTS	20 A	1		1000 360		1	20 A	GREENHOUSE RECEPTS	10
11	EX. GROW LIGHTS	20 A	1			0 1176	1	20 A	WIF-F1	12
13	ENVIROSTEP CONTROLLER	20 A	1	150 1176			1	20 A	WIF-F2	14
15	EX. MISTING CONTROLLER	20 A	1		250 1176		1	20 A	WIF-F3	16
17	EX. WATER CONTROLLER	20 A	1			250 0	1	30 A	EX. SPARE	18
19	GREENHOUSE LIGHTING	20 A	1	0 0			1	30 A	EX. SPARE	20
21	OVERHEAD VENTS WEST	20 A	1		1000 0		1	30 A	EX. SPARE	22
23	OVERHEAD VENTS EAST	20 A	1			1000 0	1	30 A	EX. SPARE	24
25	MOTORIZED SIDEWALLS	20 A	1	500 864			1	20 A	INLINE SUMP PUMP (N)	26
27	MOTORIZED SIDEWALLS	20 A	1		750 864		1	20 A	INLINE SUMP PUMP (S)	28
29	MOTORIZED SIDEWALLS	20 A	1			750 0	1	20 A	EX. SPARE	30
31	EX. SPACE	--	1	-- --			1	--	EX. SPACE	32
33	EX. SPACE	--	1		-- --		1	--	EX. SPACE	34
35	EX. SPACE	--	1			-- --	1	--	EX. SPACE	36
37	EX. SPACE	--	1	-- --			1	--	EX. SPACE	38
39	EX. SPACE	--	1		-- --		1	--	EX. SPACE	40
41	EX. SPACE	--	1			-- --	1	--	EX. SPACE	42
	TOTAL...			3908 VA	5996 VA	3760 VA				
	TOTAL AMPS:			33 A	50 A	31 A				

PANEL MODIFICATIONS:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
Power	1728 VA	100.00%	1728 VA	
LIGHTING	0 VA	0.00%	0 VA	**TOTAL CONN. LOAD:** 13659 VA
Other	150 VA	100.00%	150 VA	**TOTAL EST. LOAD:** 13659 VA
Spare	500 VA	100.00%	500 VA	**TOTAL CONN. CURRENT:** 38 A
RECEPTACLE	1800 VA	100.00%	1800 VA	**TOTAL EST. DEMAND...** 38 A
MOTOR	9628 VA	100.00%	9628 VA	

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1 INDICATES REVISION AND DATE

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL PANEL SCHEDULES

SHEET: E610

COMM #: 2265

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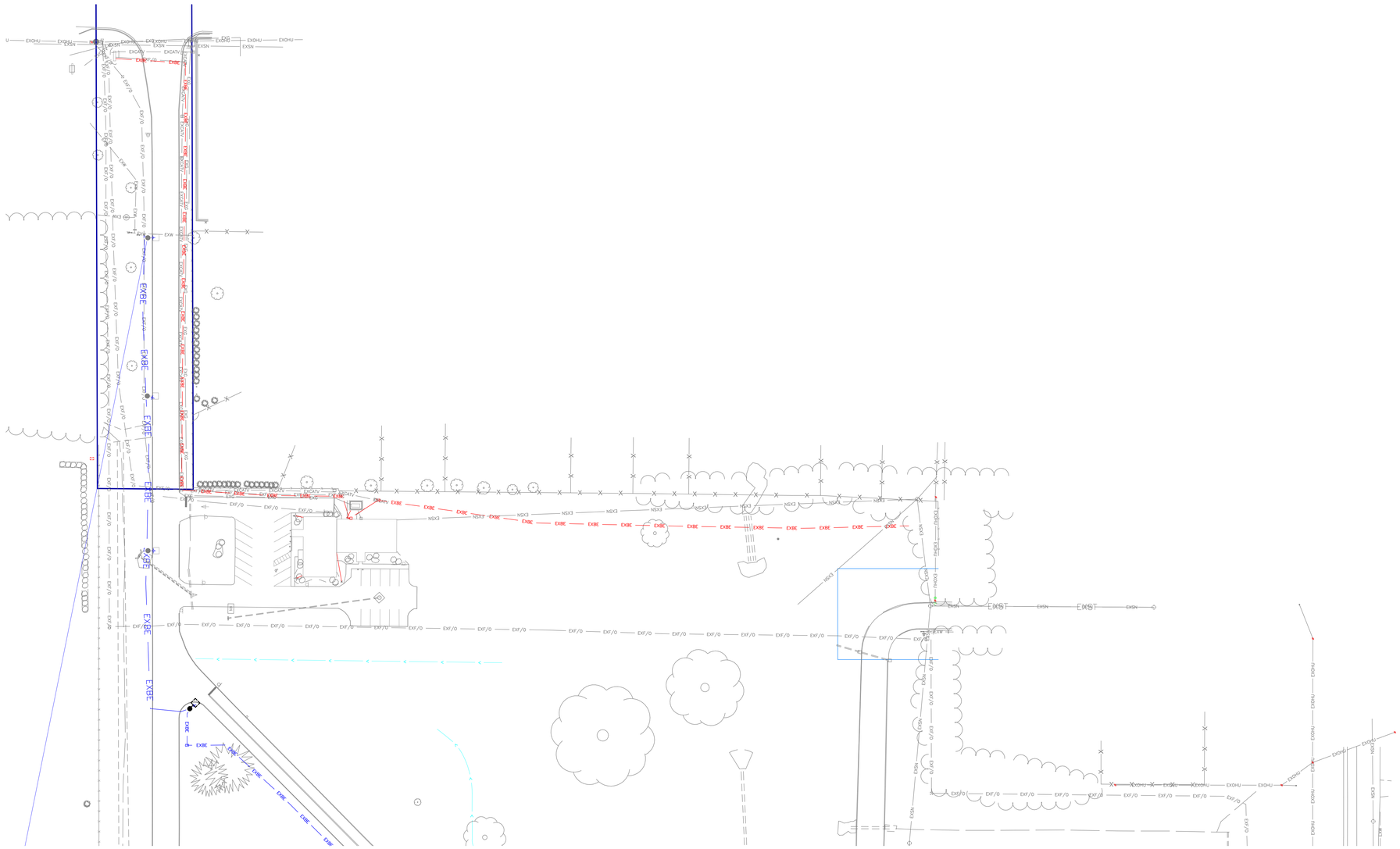

SITE ELECTRICAL DEMOLITION PLAN - NORTH

SCALE : 1" = 50'-0"

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STATUS: 95% REVIEW SET
DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: SITE ELECTRICAL DEMOLITION PLAN - NORTH

SHEET: **EC001**
COMM #: 2265

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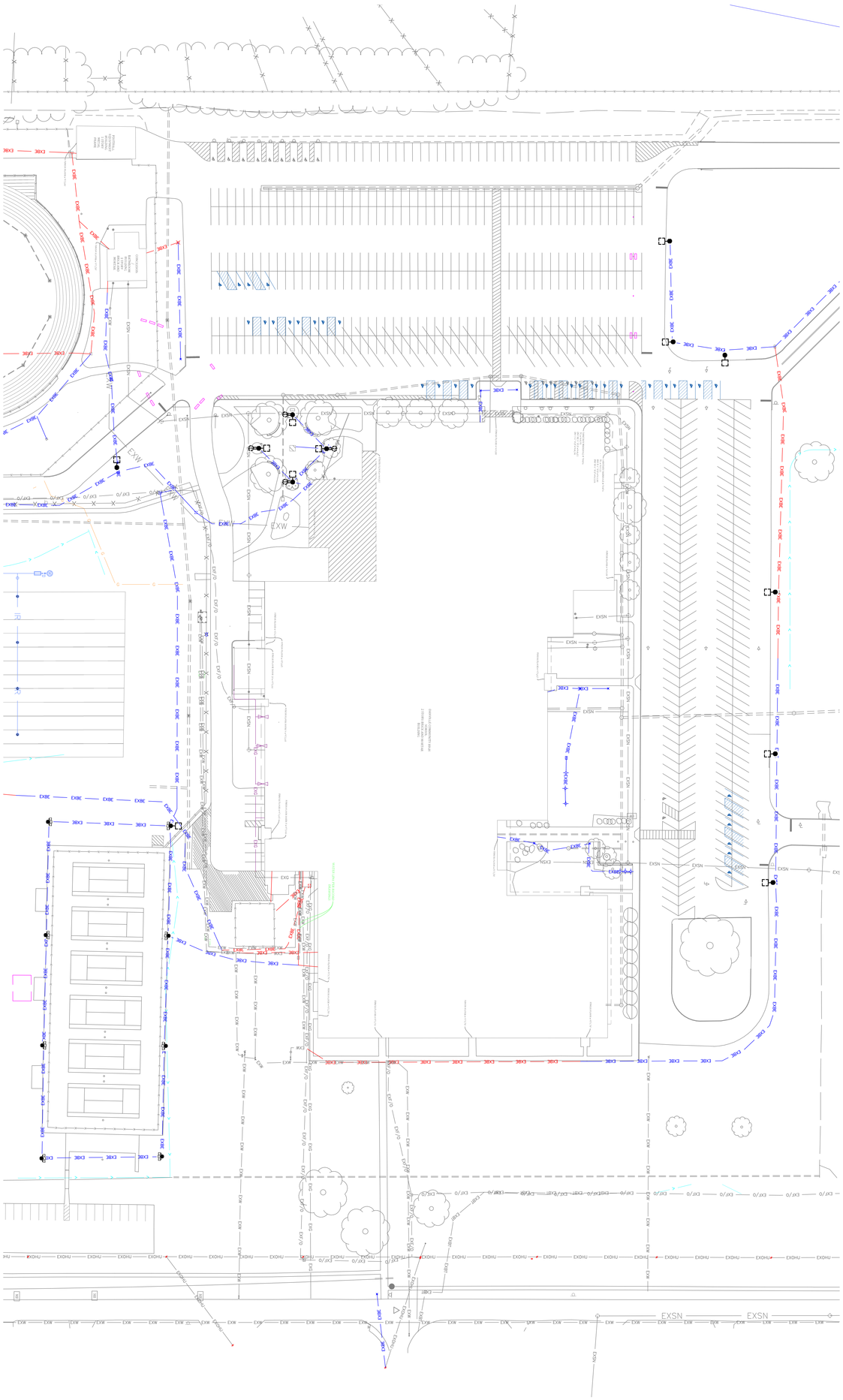

SITE ELECTRICAL DEMOLITION PLAN - CENTRAL

SCALE : 1" = 50'-0"

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SHEET:	EC002
COMM #:	2265
SHEET NAME:	SITE ELECTRICAL DEMOLITION PLAN - CENTRAL
DATE:	JANUARY 16, 2024
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STATUS:	95% REVIEW SET

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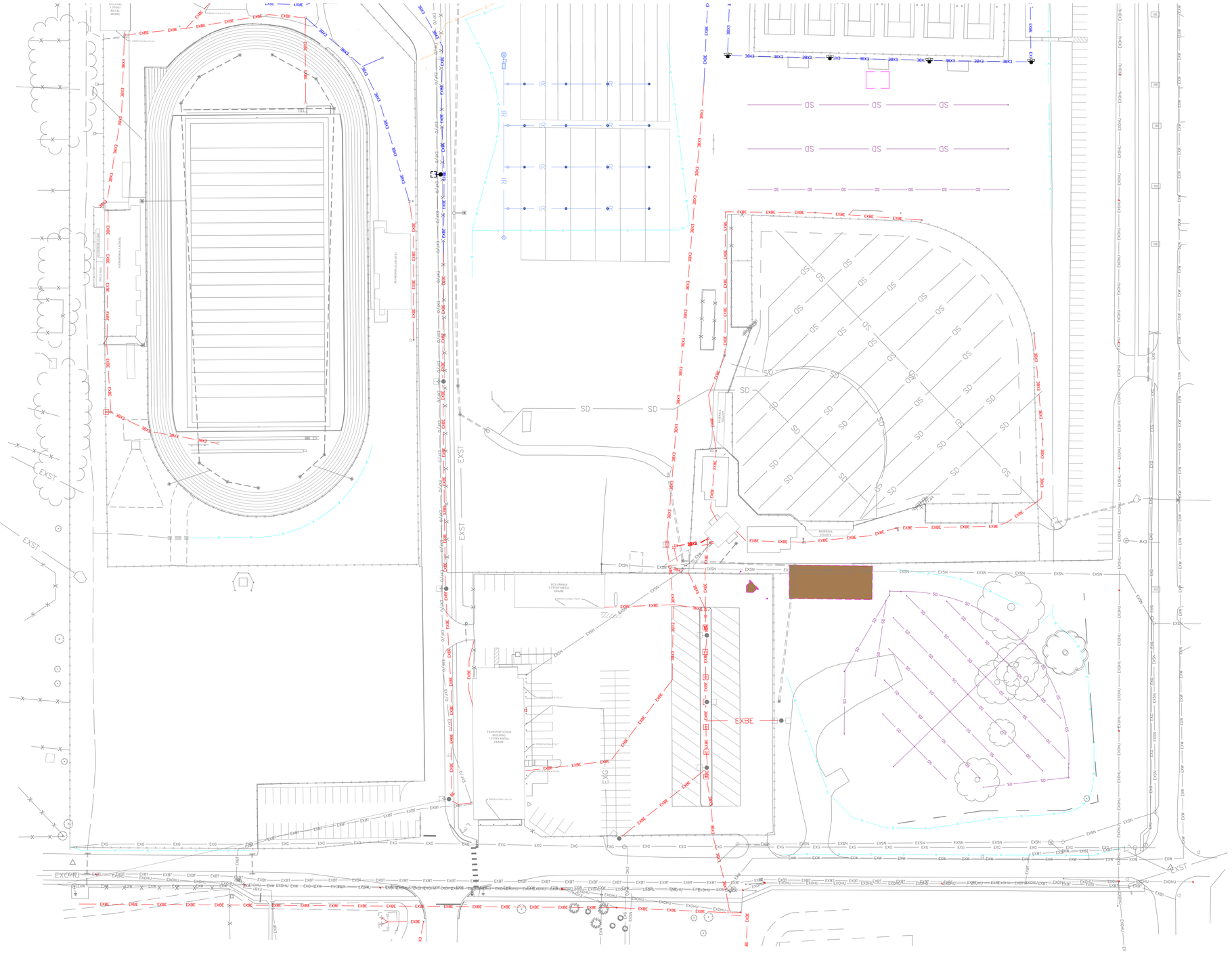

SITE ELECTRICAL DEMOLITION PLAN - SOUTH

SCALE : 1" = 50'-0"

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STATUS: 95% REVIEW SET

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: SITE ELECTRICAL DEMOLITION PLAN - SOUTH

SHEET: **EC003**

COMM #: 2265

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ELECTRICAL SITE PLAN NOTES

1 CONTRACTOR SHALL PROVIDE AND INSTALL A RECEPTACLE JUST BEHIND PITCHING MOUND. CONTRACTOR SHALL COORDINATE WITH TURF INSTALLER AND DEVICE SHALL BE FLUSHED IN GRADE.

2 Text

3 Text

4 Text

5 Text

6 Text

7 Text

8 Text

9 Text

10 Text

11 Text

12 Text

13 Text

14 Text

15 Text

16 Text

17 Text

18 Text

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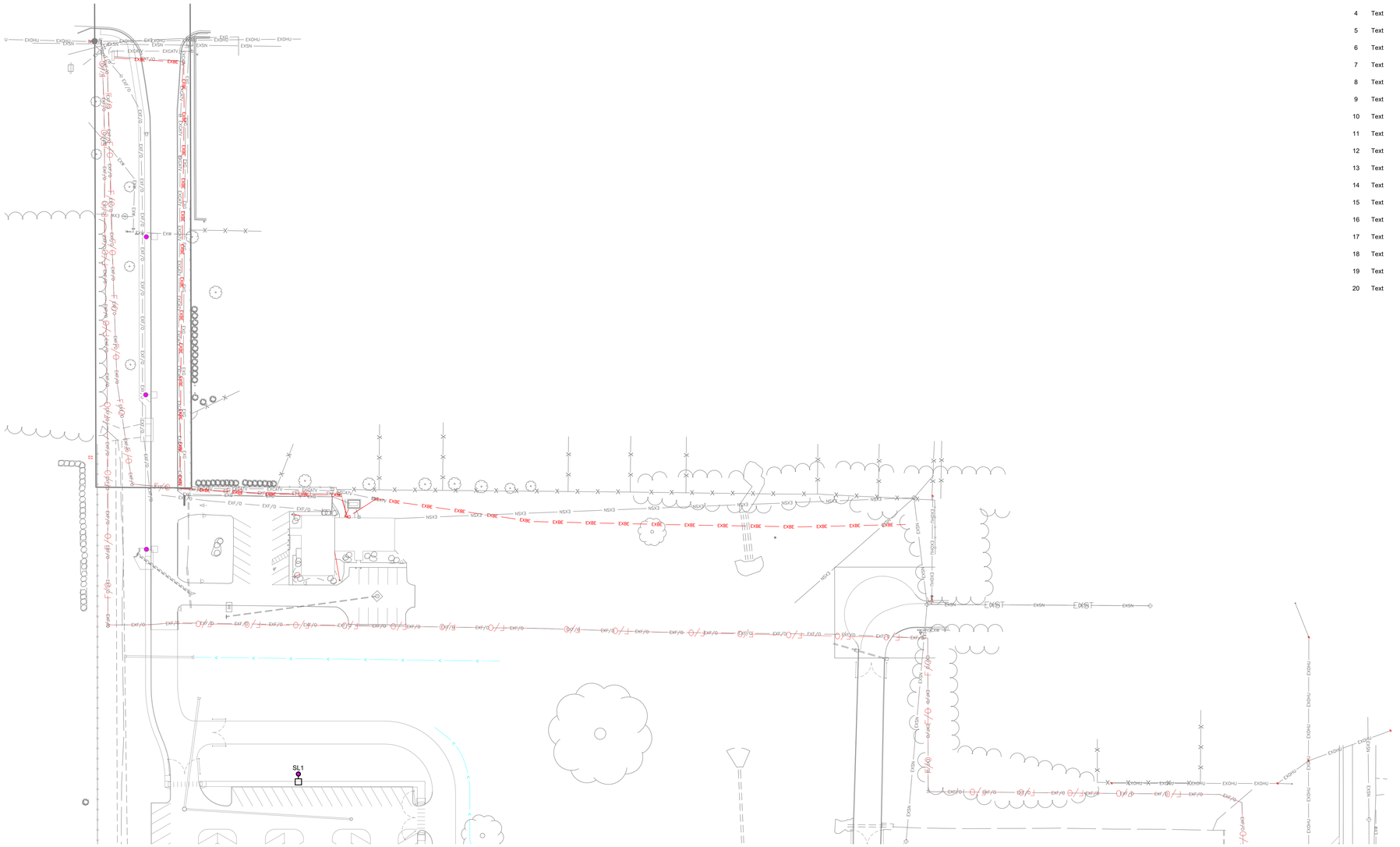

ALL SITE LIGHTING
RELOCATED POLES ALONG NORTH DRIVE
SPORTS FIELD LIGHTING AT TENNIS, SOFTBALL AND BASEBALL

N

SITE ELECTRICAL PLAN - NORTH

SCALE : 1" = 50'-0"

NOT FOR CONSTRUCTION

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ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 95% REVIEW SET

DRAWN BY: PURSIFULL

DATE: JANUARY 16, 2024

SHEET NAME: ELECTRICAL SITE PLAN - NORTH

SHEET: **EC101**

COMM #: 2265

1/16/2024 2:22:03 PM

ELECTRICAL SITE PLAN NOTES

1 CONTRACTOR SHALL PROVIDE AND INSTALL A RECEPTACLE JUST BEHIND PITCHING MOUND. CONTRACTOR SHALL COORDINATE WITH TURF INSTALLER AND DEVICE SHALL BE FLUSHED IN GRADE.

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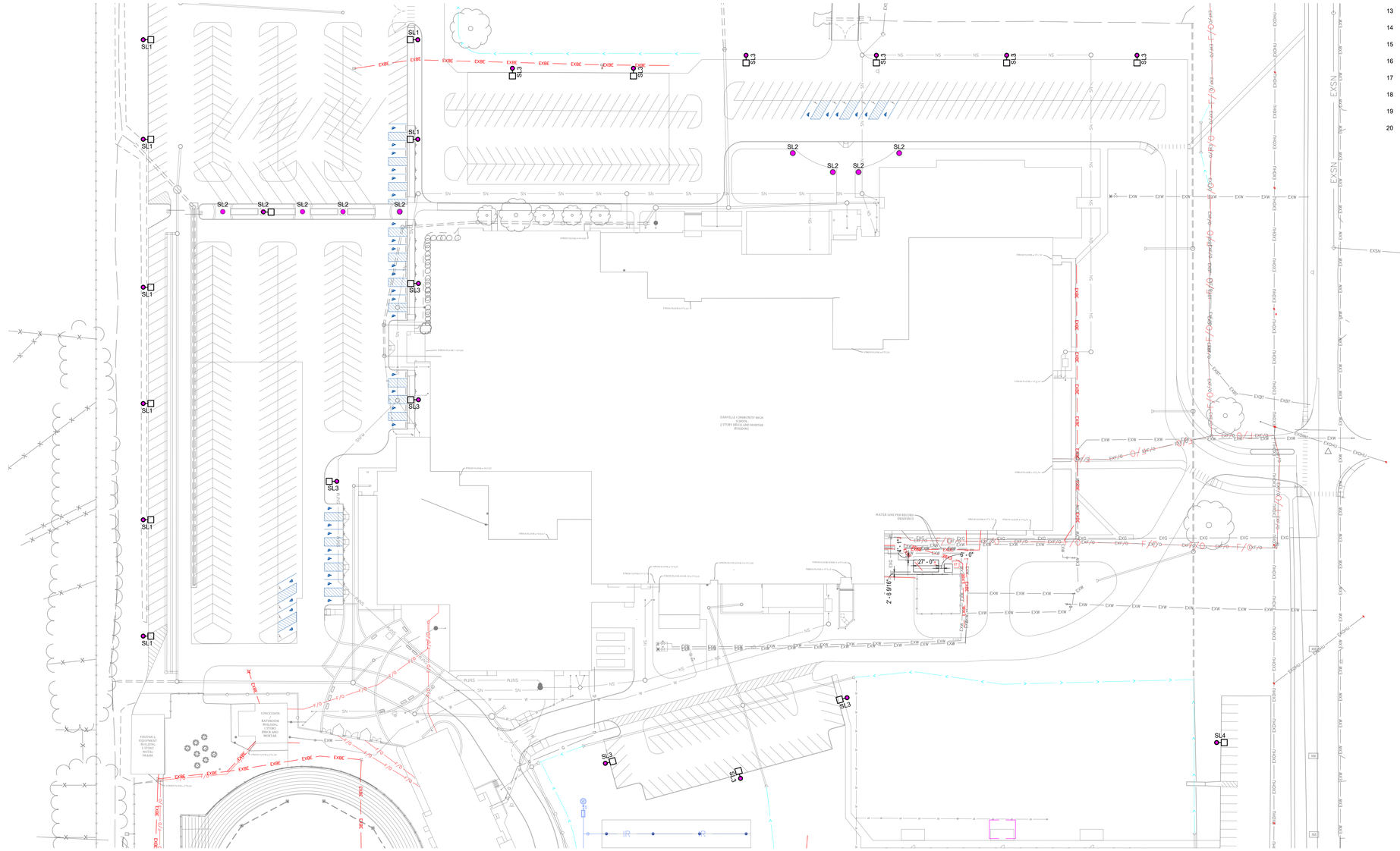

SITE ELECTRICAL PLAN - CENTRAL

SCALE : 1" = 50'-0"

NOT FOR CONSTRUCTION

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RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 95% REVIEW SET
DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: ELECTRICAL SITE PLAN - CENTRAL

SHEET: **EC102**
COMM #: 2265

1/16/2024 2:23:04 PM

NOT FOR CONSTRUCTION

ELECTRICAL SITE PLAN NOTES

1 CONTRACTOR SHALL PROVIDE AND INSTALL A RECEPTACLE JUST BEHIND PITCHING MOUND. CONTRACTOR SHALL COORDINATE WITH TURF INSTALLER AND DEVICE SHALL BE FLUSHED IN GRADE.

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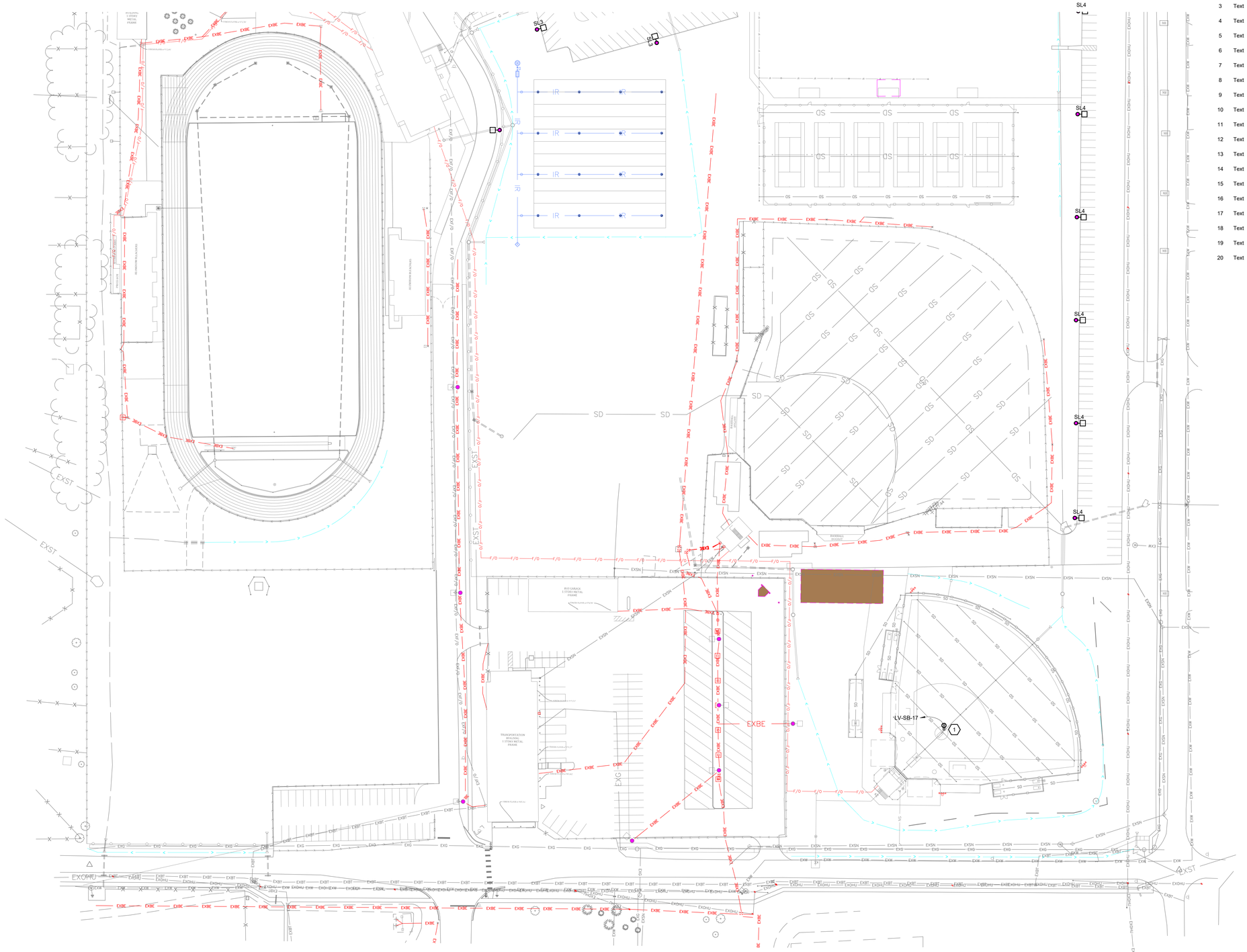

SITE ELECTRICAL PLAN - SOUTH

SCALE : 1" = 50'-0"

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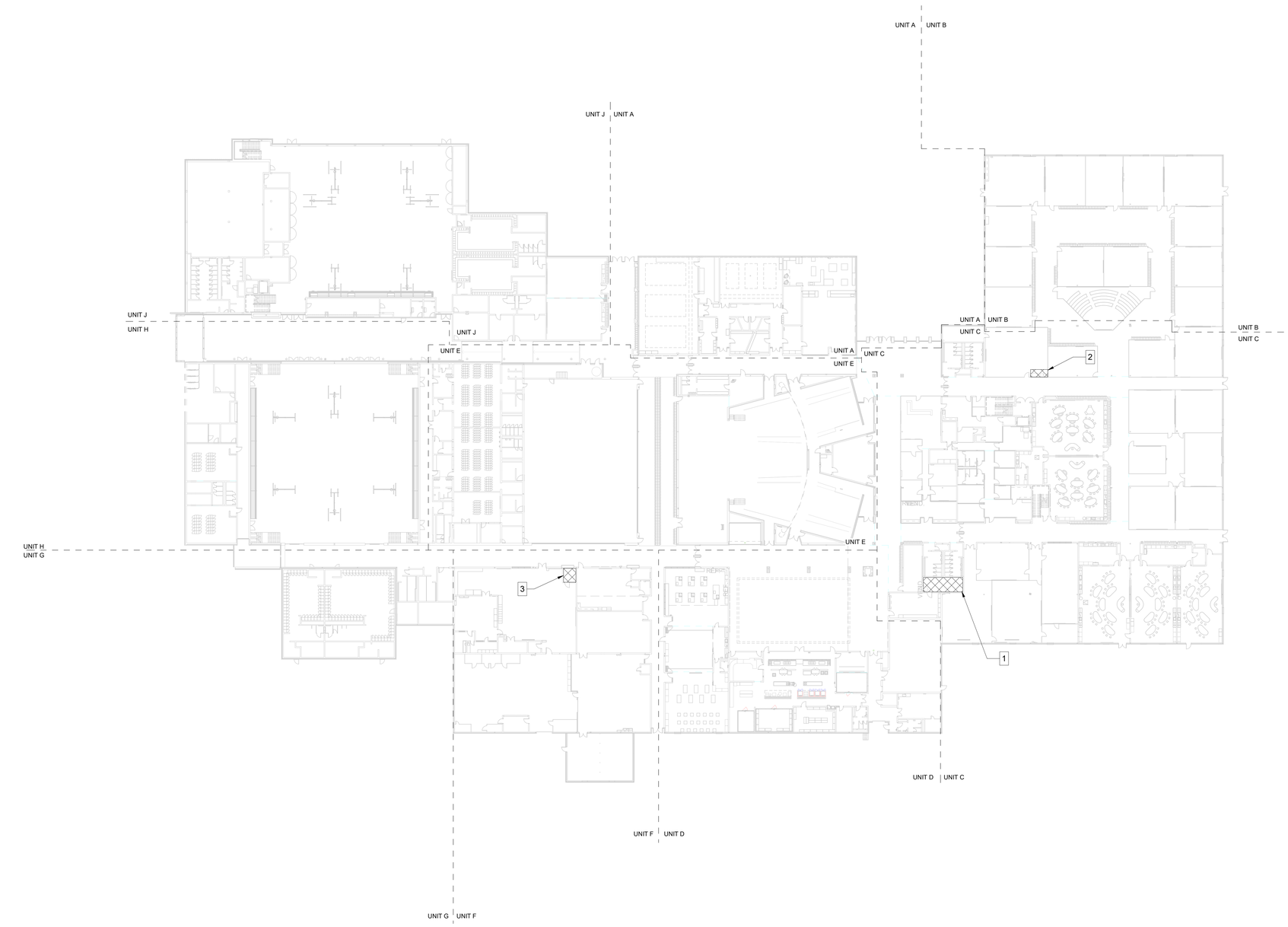
RENOVATIONS AND ADDITIONS TO:
DANVILLE COMMUNITY HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: 95% REVIEW SET
DRAWN BY: PURSIFULL
DATE: JANUARY 16, 2024
SHEET NAME: ELECTRICAL SITE PLAN - SOUTH

SHEET: **EC103**
COMM #: 2265

1/16/2024 2:40:37 PM



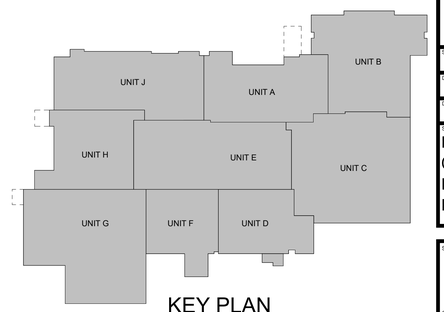
1 FIRST FLOOR OVERALL DEMOLITION PLAN
1" = 30'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
F	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
G	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

SHEET NOTES

1. EXISTING MDF 00 TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION. ROOM MAY BE MODIFIED AS REQUIRED TO ACCOMODATE NEW CABLING. REFER TO TELECOM RACK ELEVATIONS WITHIN THE T300 SERIES SHEETS FOR ADDITIONAL INFORMATION.
2. EXISITNG IDF 01 TO BE DEMOLISHED WITHIN NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF DEMOLITION WITH OWNER PRIOR TO TAKING THE ROOM OFFLINE. CONTRACTOR SHALL ENSURE AREAS THAT ARE TO REMAIN ACTIVE ARE NOT FED FROM THE IDF AND DO NOT LOSE CONNECTIVITY DUE TO TAKING THE ROOM OFFLINE. ALL EQUIPMENT WITHIN ROOM SHALL BE TURNED OVER TO OWNER FOR REUSE, STORAGE, OR DISPOSAL.
3. EXISTING IDF 02 TO BE DEMOLISHED WITHIN NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF DEMOLITION WITH OWNER PRIOR TO TAKING THE ROOM OFFLINE. CONTRACTOR SHALL ENSURE AREAS THAT ARE TO REMAIN ACTIVE ARE NOT FED FROM THE IDF AND DO NOT LOSE CONNECTIVITY DUE TO TAKING THE ROOM OFFLINE. ALL EQUIPMENT WITHIN ROOM SHALL BE TURNED OVER TO OWNER FOR REUSE, STORAGE, OR DISPOSAL.



KEY PLAN

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 03-31-26
RCDD

MEYER NAJEM

DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET
INDIANAPOLIS, IN 46205
317.536.8000
WWW.DESIGN27.COM

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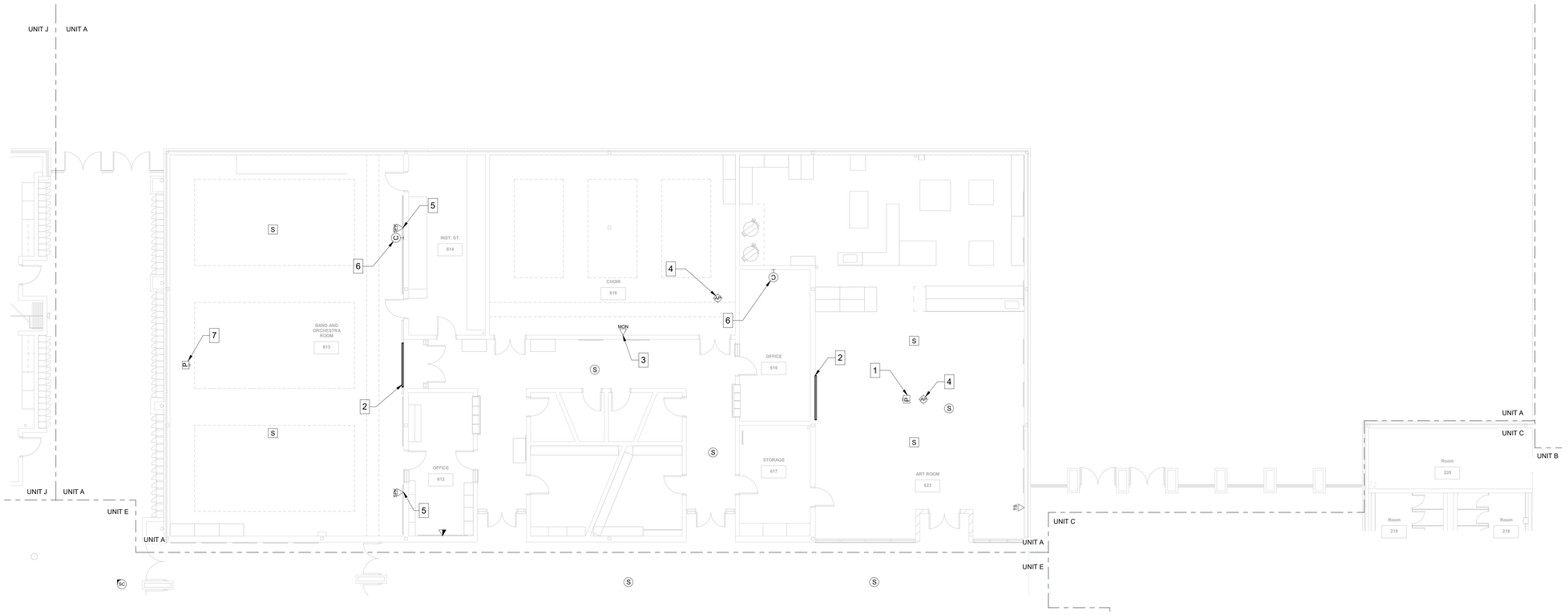
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR OVERALL DEMOLITION PLAN

SHEET: **TD101**
COMM #: 2265

11/1/2024 1:18:58 AM



1 FIRST FLOOR DEMOLITION PLAN - UNIT A
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
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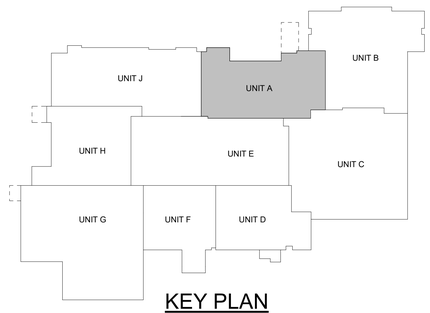
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TEACHER STATION LOCATION
- AV FLOOR BOX LOCATION
- POKE THRU LOCATION
- WIRELESS ACCESS POINT - WALL MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- CEILING MOUNTED PROJECTOR LOCATION
- MONITOR LOCATION
- IR MICROPHONE LOCATION
- AV INPUT LOCATION
- CLOCK LOCATION
- AV CONTROL LOCATION
- SPEAKER - PAGING
- SPEAKER - PROGRAM
- SPEAKER - WALL MOUNTED
- WALL PHONE LOCATION
- ALERTUS BEACON LOCATION
- VIDEO INTERCOM DOOR STATION
- CARD READER LOCATION
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. EXISTING CEILING MOUNTED PROJECTOR TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
2. EXISTING CEILING HUNG PROJECTION SCREEN TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
3. EXISTING MONITOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
4. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
5. EXISTING WALL MOUNTED SPEAKER AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
6. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
7. EXISTING WALL MOUNTED PROJECTOR TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.



KEY PLAN

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 01.31.26 RCDD
MEYER NAJEM
DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET
INDIANAPOLIS, IN 46205
317.536.8000
WWW.DESIGN27.COM
BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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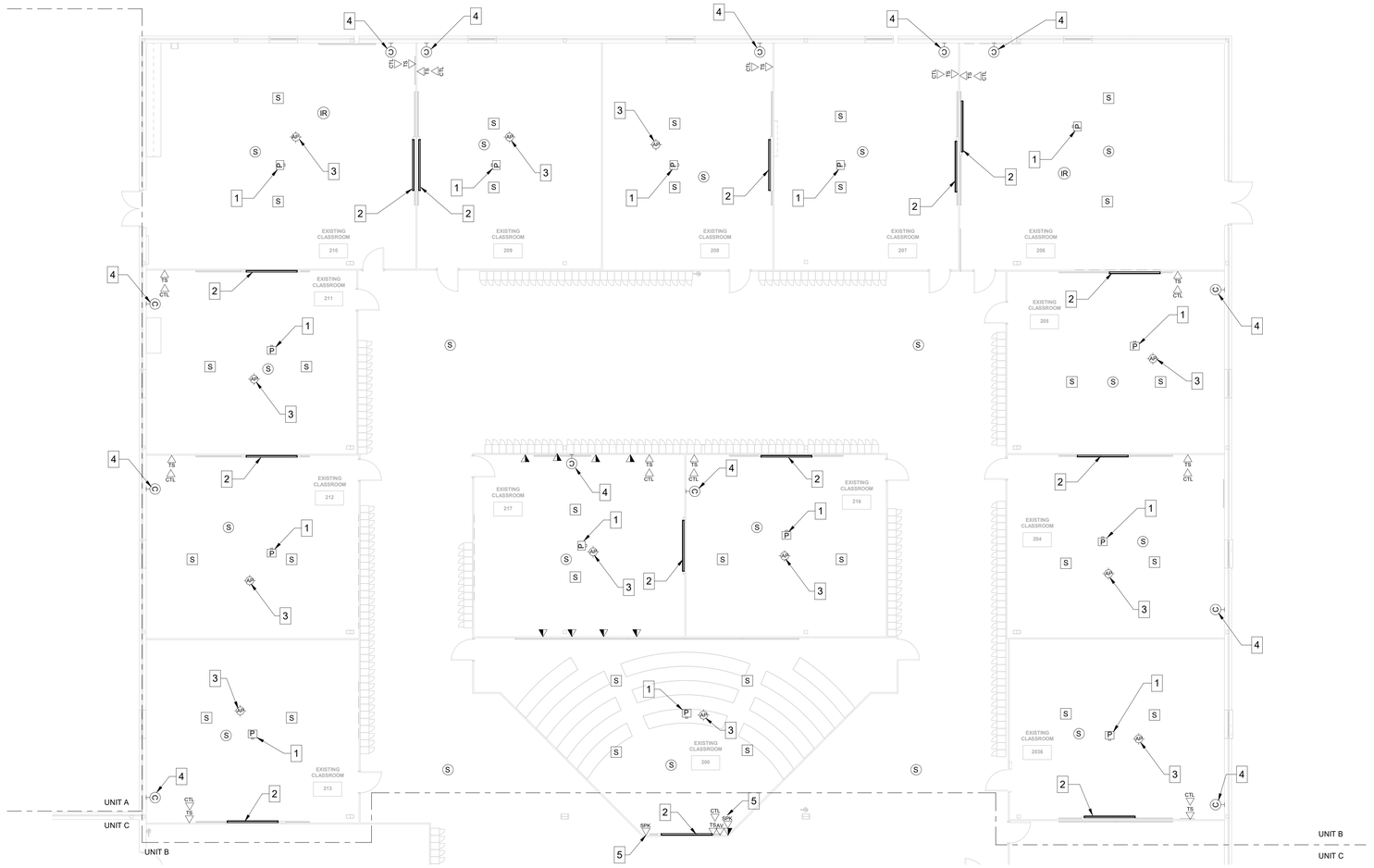
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: FIRST FLOOR DEMOLITION PLAN - UNIT A

SHEET: **TD101A**
COMM #: 2265

1/16/2024 11:03:31 AM



1 FIRST FLOOR DEMOLITION PLAN - UNIT B
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
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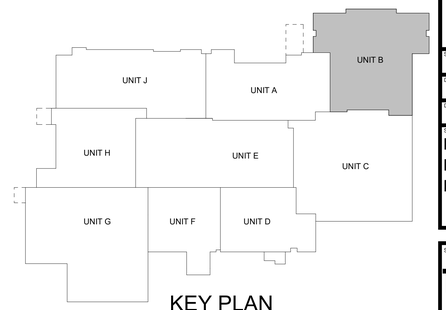
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TEACHER STATION LOCATION
- AV FLOOR BOX LOCATION
- POKE THRU LOCATION
- WIRELESS ACCESS POINT - WALL MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- CEILING MOUNTED PROJECTOR LOCATION
- MONITOR LOCATION
- IR MICROPHONE LOCATION
- AV INPUT LOCATION
- CLOCK LOCATION
- AV CONTROL LOCATION
- SPEAKER - PAGING
- SPEAKER - PROGRAM
- SPEAKER - WALL MOUNTED
- WALL PHONE LOCATION
- ALERTUS BEACON LOCATION
- VIDEO INTERCOM DOOR STATION
- CARD READER LOCATION
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. EXISTING CEILING MOUNTED PROJECTOR TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
2. EXISTING CEILING HUNG PROJECTION SCREEN TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
3. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
4. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
5. EXISTING WALL MOUNTED SPEAKER AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.



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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **FIRST FLOOR DEMOLITION PLAN - UNIT B**

SHEET: **TD101B**
COMM #: **2265**

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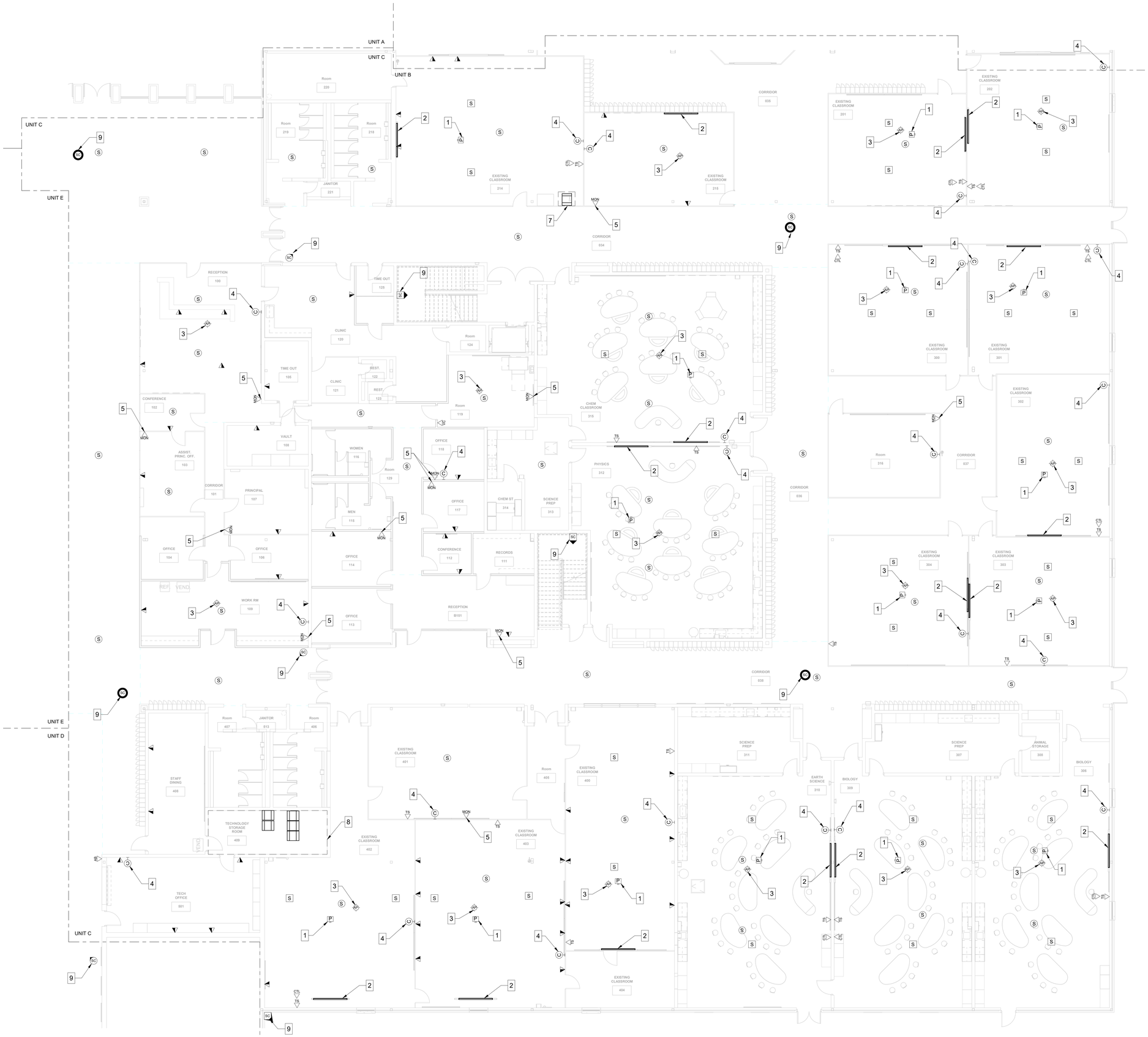

1 FIRST FLOOR DEMOLITION PLAN - UNIT C
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
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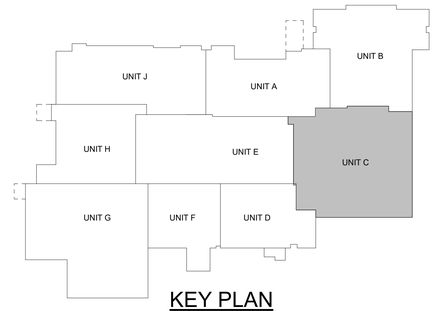
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TS — TEACHER STATION LOCATION
- AVF — AV FLOOR BOX LOCATION
- AV — POKE THRU LOCATION
- WAP — WIRELESS ACCESS POINT - WALL MOUNTED
- WAP — WIRELESS ACCESS POINT - CEILING MOUNTED
- P — CEILING MOUNTED PROJECTOR LOCATION
- MON — MONITOR LOCATION
- IR — IR MICROPHONE LOCATION
- AV — AV INPUT LOCATION
- C — CLOCK LOCATION
- CTL — AV CONTROL LOCATION
- S — SPEAKER - PAGING
- S — SPEAKER - PROGRAM
- SPK — SPEAKER - WALL MOUNTED
- WP — WALL PHONE LOCATION
- AB — ALERTUS BEACON LOCATION
- VI — VIDEO INTERCOM DOOR STATION
- CR — CARD READER LOCATION
- 9C — SECURITY CAMERA - CEILING MOUNTED
- 9C — SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. EXISTING CEILING MOUNTED PROJECTOR TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
2. EXISTING CEILING HUNG PROJECTION SCREEN TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
3. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
4. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
5. EXISTING MONITOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
7. EXISITNG IDF 01 TO BE DEMOLISHED WITHIN NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF DEMOLITION WITH OWNER PRIOR TO TAKING THE ROOM OFFLINE. CONTRACTOR SHALL ENSURE AREAS THAT ARE TO REMAIN ACTIVE ARE NOT FED FROM THE IDF AND DO NOT LOSE CONNECTIVITY DUE TO TAKING THE ROOM OFFLINE. ALL EQUIPMENT WITHIN ROOM SHALL BE TURNED OVER TO OWNER FOR REUSE, STORAGE, OR DISPOSAL.
8. EXISTING MDF 00 TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION. ROOM MAY BE MODIFIED AS REQUIRED TO ACCOMODATE NEW CABLING. REFER TO TELECOM RACK ELEVATIONS WITHIN THE T300 SERIES SHEETS FOR ADDITIONAL INFORMATION.
9. EXISTING SECURITY CAMERA TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.



KEY PLAN

BICSI Registered Communications Distribution Designer
Bicsi
Douglas J Driscoll
BICSI ID # 123408
Expires 01-31-26
RCDD

MEYER NAJEM

DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET
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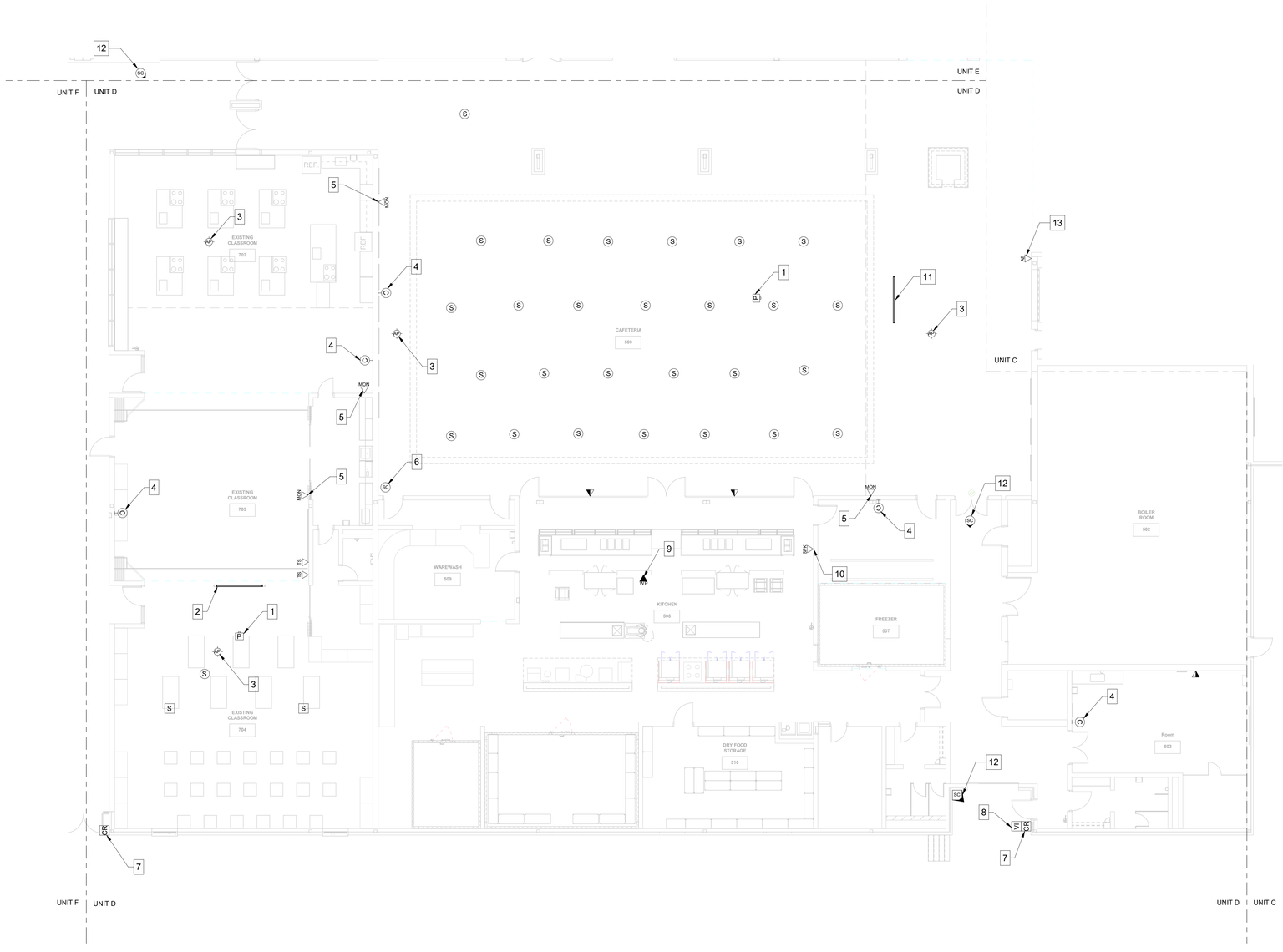
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRST FLOOR DEMOLITION PLAN - UNIT C
SHEET:	TD101C
COMM #:	2265

1/16/2024 11:08 AM



1 FIRST FLOOR DEMOLITION PLAN - UNIT D
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

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B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
F	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
G	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TS — TEACHER STATION LOCATION
- AVF — AV FLOOR BOX LOCATION
- AV — POKE THRU LOCATION
- WAP — WIRELESS ACCESS POINT - WALL MOUNTED
- WAP — WIRELESS ACCESS POINT - CEILING MOUNTED
- P — CEILING MOUNTED PROJECTOR LOCATION
- MON — MONITOR LOCATION
- IR — IR MICROPHONE LOCATION
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SHEET NOTES

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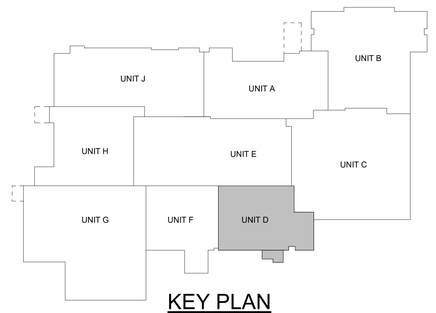
4. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
5. EXISTING MONITOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
6. EXISTING SECURITY CAMERA TO BE CAREFULLY REMOVED AND PLACED INTO INVENTORY FOR REINSTALLATION IN NEW LOCATION. ALL CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY.
7. EXISTING CARD READER TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
8. EXISTING VIDEO INTERCOM DOOR STATION TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
9. EXISTING WALL PHONE TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
10. EXISTING WALL MOUNTED SPEAKER AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
11. EXISTING CEILING RECESSED ELECTRIC PROJECTION SCREEN TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
12. EXISTING SECURITY CAMERA TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.
13. EXISTING ALERTUS BEACON TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.



KEY PLAN

Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

MEYER NAJEM

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DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DEMOLITION PLAN - UNIT D

SHEET: **TD101D**
COMM #: 2265

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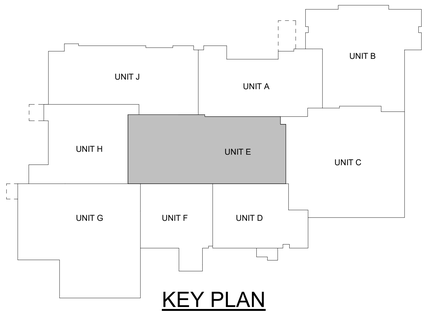

KEY PLAN

SHEET NOTES

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6. EXISTING CEILING MOUNTED SPEAKER AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
8. EXISTING AV EQUIPMENT RACK AND ASSOCIATED EQUIPMENT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
9. EXISTING WALL MOUNTED LOUDSPEAKER TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
10. EXISTING AV RACK AND ASSOCIATED EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
11. EXISTING STAGE BOX TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
12. EXISTING SECURITY CAMERA TO BE CAREFULLY REMOVED AND PLACED INTO INVENTORY FOR REINSTALLATION IN NEW LOCATION. ALL CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY.
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- DATA LOCATION
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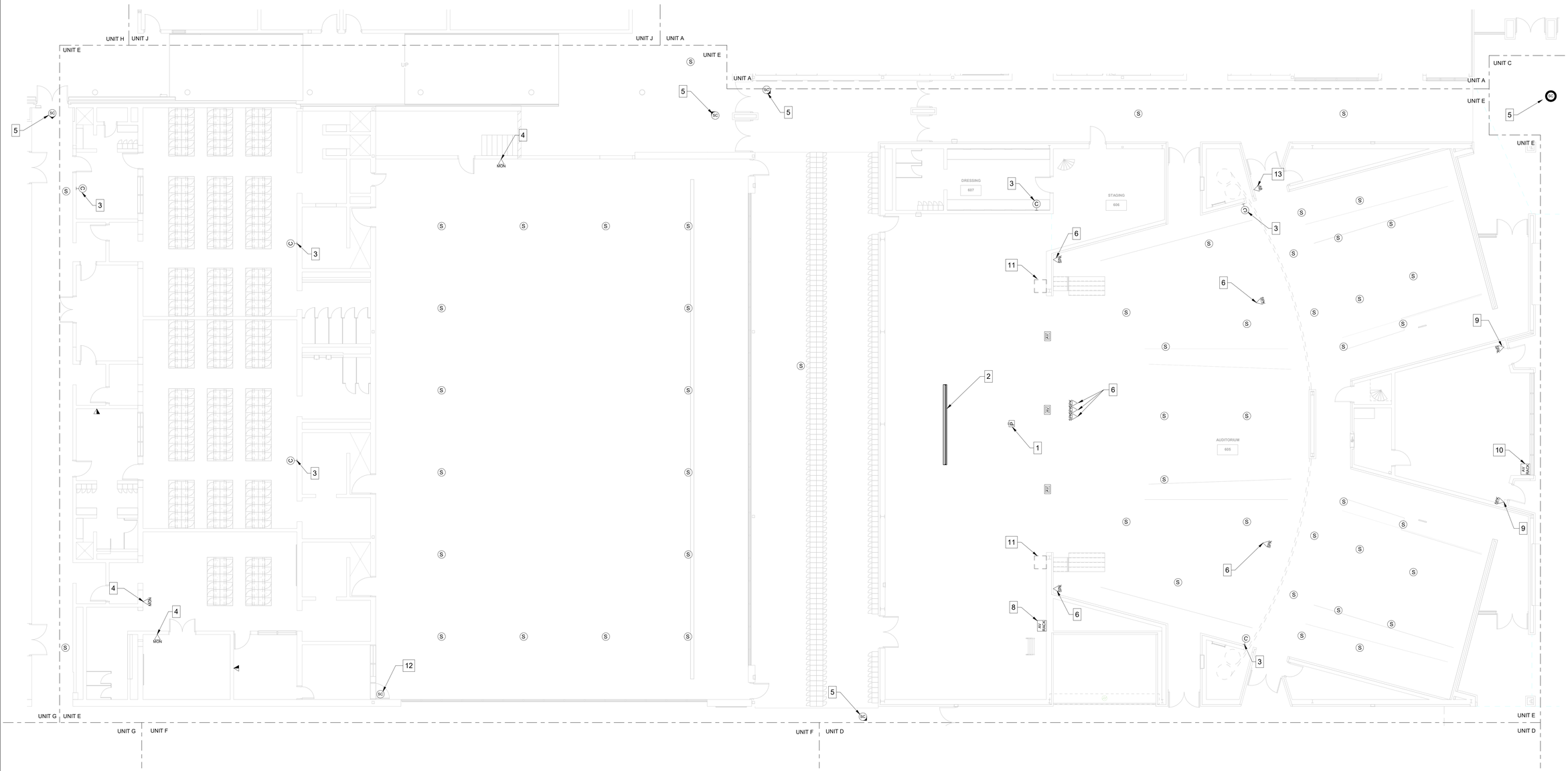

1 FIRST FLOOR DEMOLITION PLAN - UNIT E
1/8" = 1'-0"

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DEMOLITION PLAN - UNIT E

SHEET: **TD101E**
COMM #: 2265

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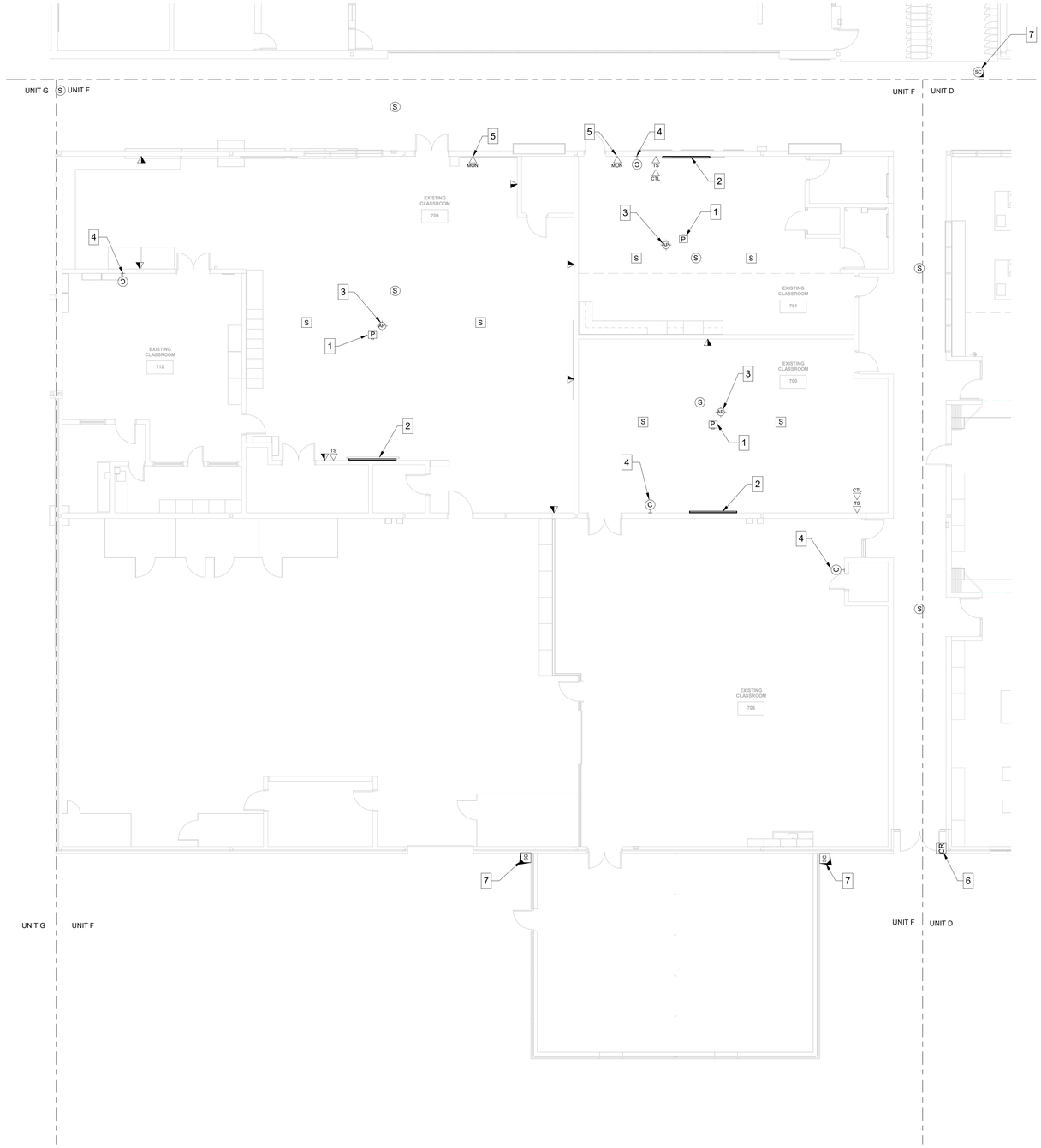

1 FIRST FLOOR DEMOLITION PLAN - UNIT F
1/8" = 1'-0"

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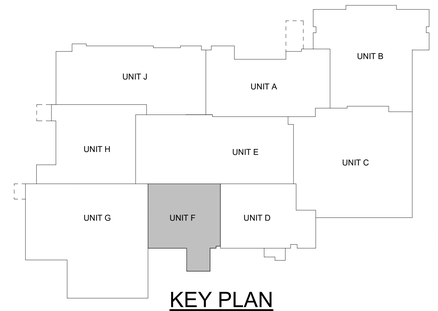

KEY PLAN

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 03-31-26 RCDD
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DESIGN 27 TECHNOLOGY + ACOUSTICS
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BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DEMOLITION PLAN - UNIT F

SHEET: **TD101F**
COMM #: 2265

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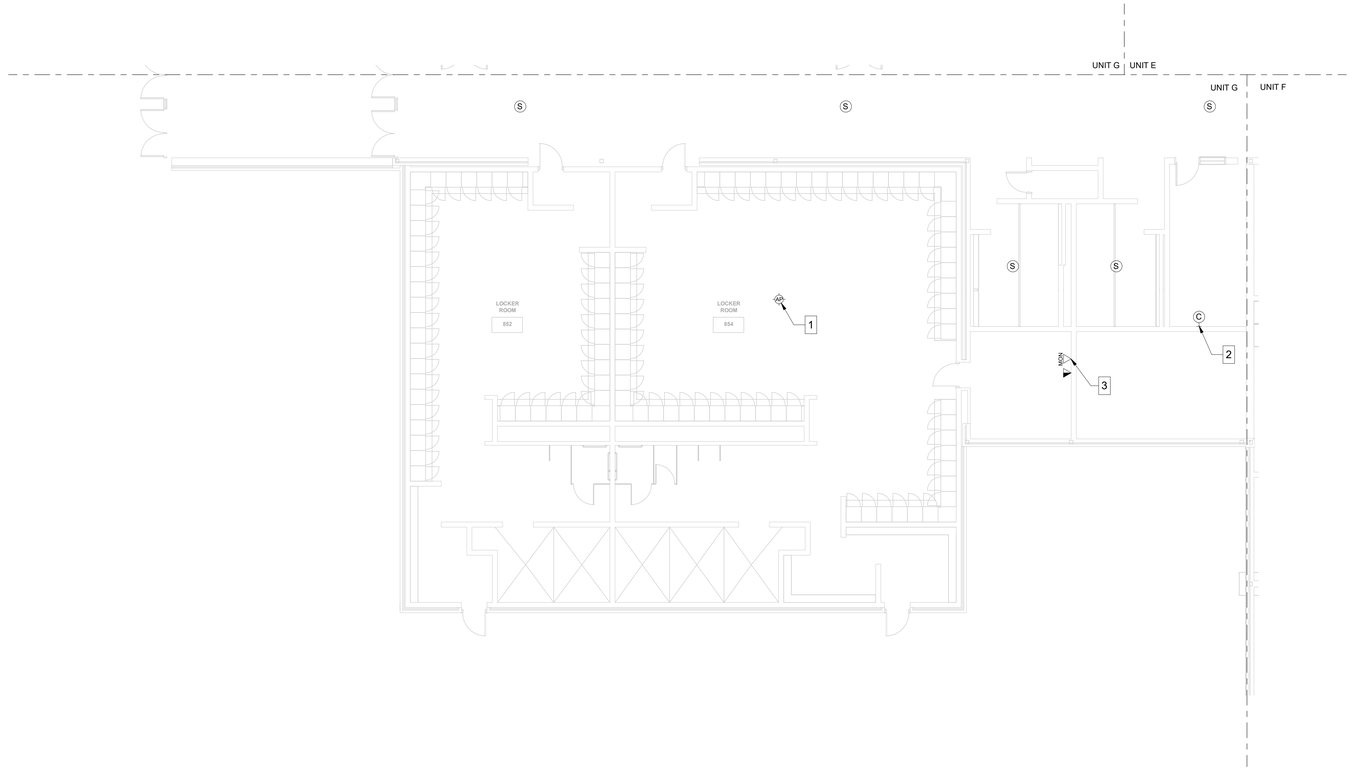

1 FIRST FLOOR DEMOLITION PLAN - UNIT G
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
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E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
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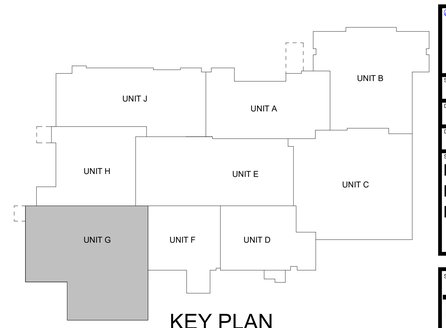
G	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TEACHER STATION LOCATION
- AV FLOOR BOX LOCATION
- AV POKE THRU LOCATION
- WIRELESS ACCESS POINT - WALL MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- CEILING MOUNTED PROJECTOR LOCATION
- MONITOR LOCATION
- IR MICROPHONE LOCATION
- AV INPUT LOCATION
- CLOCK LOCATION
- AV CONTROL LOCATION
- SPEAKER - PAGING
- SPEAKER - PROGRAM
- SPEAKER - WALL MOUNTED
- WALL PHONE LOCATION
- ALERTUS BEACON LOCATION
- VIDEO INTERCOM DOOR STATION
- CARD READER LOCATION
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
2. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
3. EXISTING MONITOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.



KEY PLAN

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 03-31-26 RCDD
MEYER NAJEM
DESIGN 27 TECHNOLOGY + ACOUSTICS
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INDIANAPOLIS, IN 46205
317.536.8000
WWW.DESIGN27.COM
BCV
BARTON COE VILAMAA
ARCHITECTS & ENGINEERS

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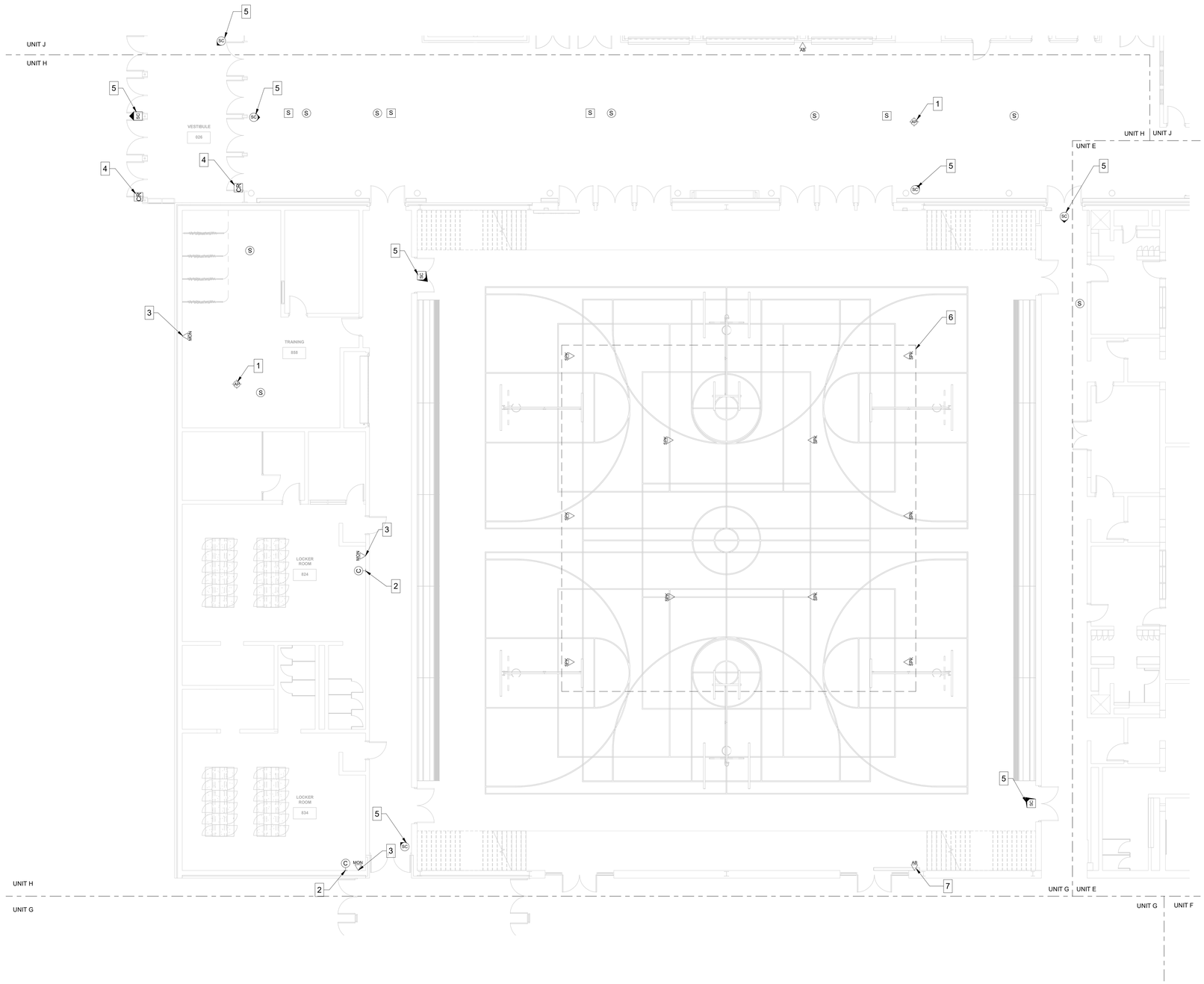
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: FIRST FLOOR DEMOLITION PLAN - UNIT G

SHEET: **TD101G**
COMM #: 2265

1/16/2024 11:27 AM



1 FIRST FLOOR DEMOLITION PLAN - UNIT H
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
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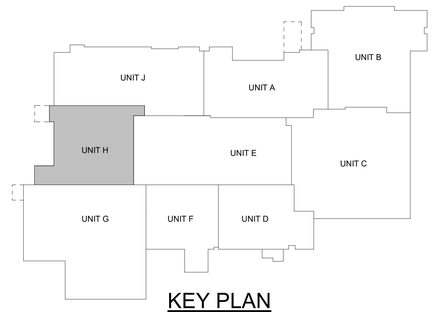
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TS — TEACHER STATION LOCATION
- AV — AV FLOOR BOX LOCATION
- AV — POKE THRU LOCATION
- AP — WIRELESS ACCESS POINT - WALL MOUNTED
- AP — WIRELESS ACCESS POINT - CEILING MOUNTED
- P — CEILING MOUNTED PROJECTOR LOCATION
- MON — MONITOR LOCATION
- IR — IR MICROPHONE LOCATION
- AV — AV INPUT LOCATION
- C — CLOCK LOCATION
- CTL — AV CONTROL LOCATION
- S — SPEAKER - PAGING
- S — SPEAKER - PROGRAM
- SPK — SPEAKER - WALL MOUNTED
- WP — WALL PHONE LOCATION
- AB — ALERTUS BEACON LOCATION
- VI — VIDEO INTERCOM DOOR STATION
- CR — CARD READER LOCATION
- SC — SECURITY CAMERA - CEILING MOUNTED
- SC — SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
2. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
3. EXISTING MONITOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
4. EXISTING CARD READER TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
5. EXISTING SECURITY CAMERA TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.
6. EXISTING STRUCTURE CEILING MOUNTED SPEAKER AND ASSOCIATED RIGGING TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
7. EXISTING ALERTUS BEACON TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.



KEY PLAN

Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

MEYER NAJEM

DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET
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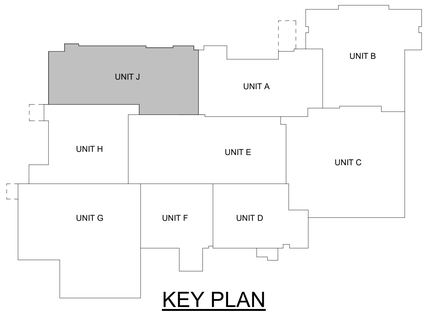
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: FIRST FLOOR DEMOLITION PLAN - UNIT H

SHEET: **TD101H**
COMM #: 2265

1/16/2024 11:23:5 AM



KEY PLAN

SHEET NOTES

1. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
2. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
3. EXISTING MONITOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
4. EXISTING SECURITY CAMERA TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.
5. EXISTING LOUDSPEAKERS AND ASSOCIATED HEADEND EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
6. EXISTING AV RACK AND ASSOCIATED HEADEND EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
7. EXISTING WALL MOUNTED SPEAKER AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
8. EXISTING CEILING HUNG PROJECTION SCREEN TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
9. EXISTING CEILING MOUNTED PROJECTOR TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
10. EXISTING MONITOR AND ASSOCIATED MOUNT AND EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
11. EXISTING WALL MOUNTED FISHEYE SECURITY CAMERA TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.
12. EXISTING ALERTUS BEACON TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TEACHER STATION LOCATION
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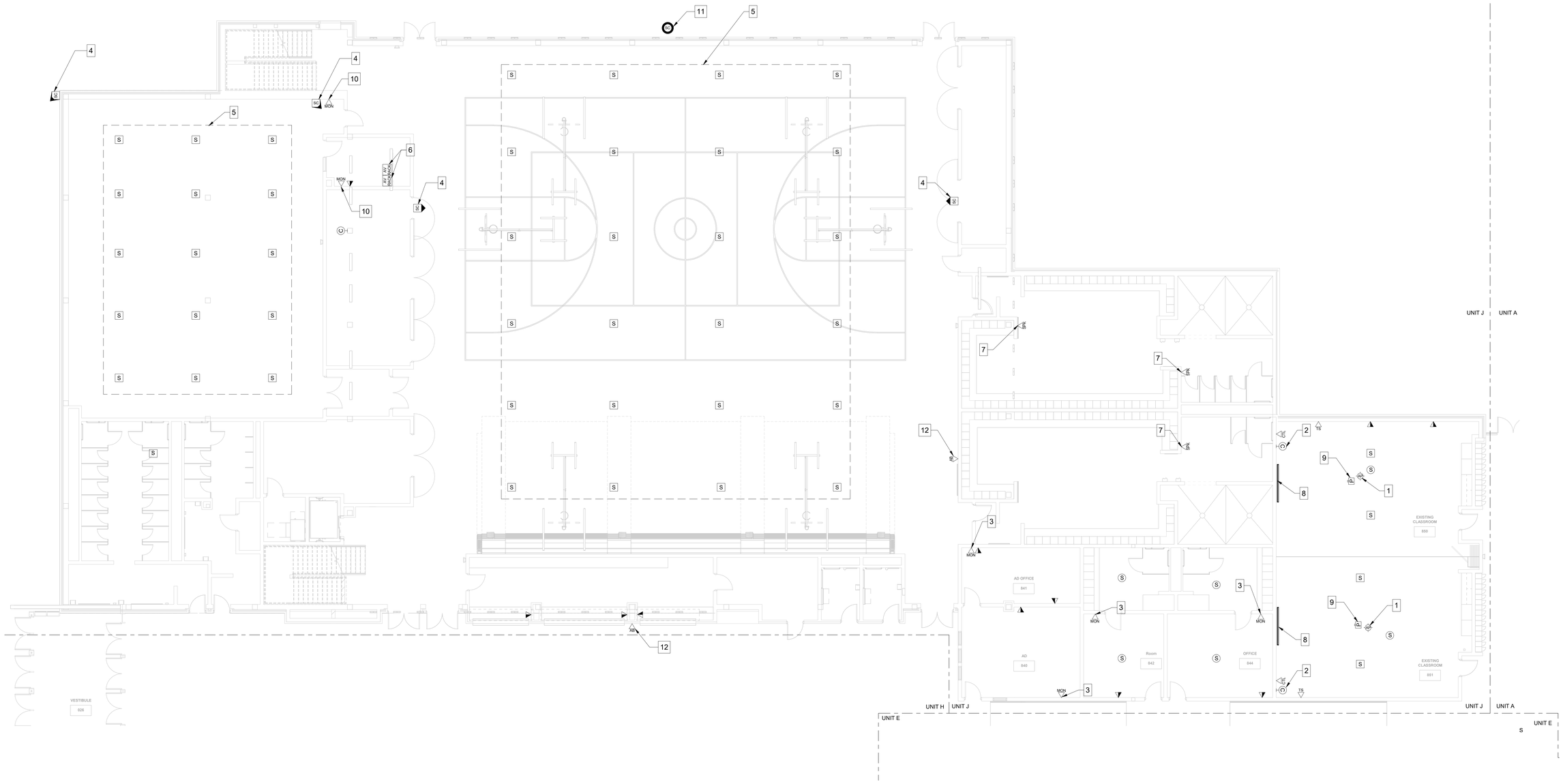
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.



1 FIRST FLOOR DEMOLITION PLAN - UNIT J
1/8" = 1'-0"

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ACCREDITED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

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1650 E. 49TH STREET
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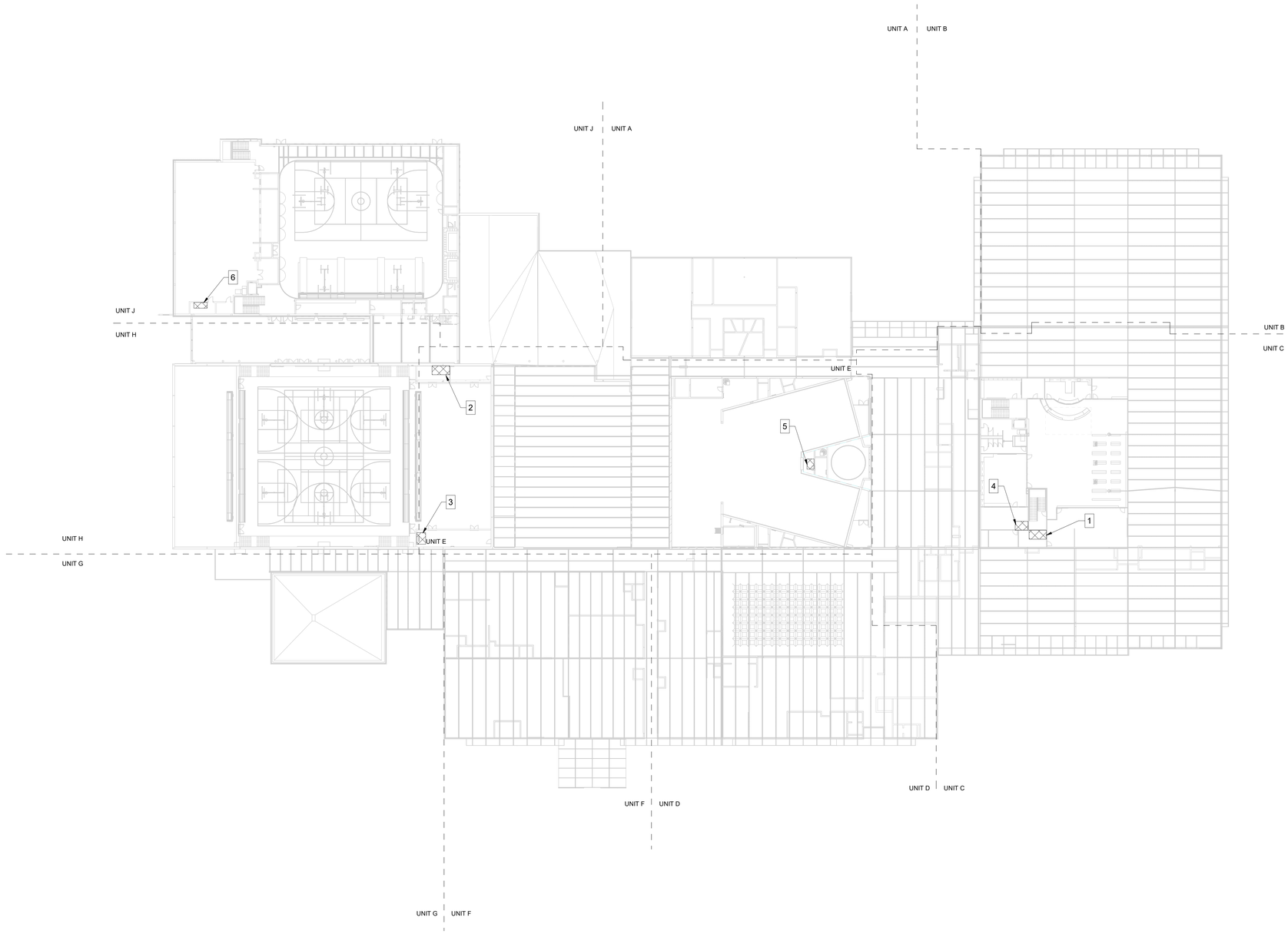
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DEMOLITION PLAN - UNIT J

SHEET: **TD101J**
COMM #: 2265

17/1/2024 11:42 AM



1 SECOND FLOOR OVERALL DEMOLITION PLAN
1" = 30'-0"

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
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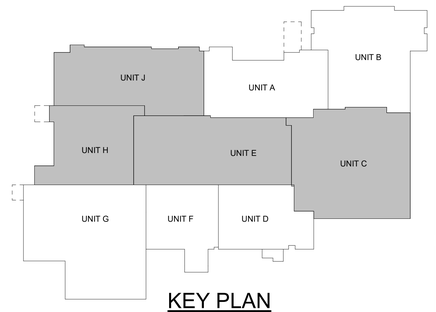
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

SHEET NOTES

1. EXISTING IDF 03 TO BE DEMOLISHED WITHIN NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF DEMOLITION WITH OWNER PRIOR TO TAKING THE ROOM OFFLINE. CONTRACTOR SHALL ENSURE AREAS THAT ARE TO REMAIN ACTIVE ARE NOT FED FROM THE IDF AND DO NOT LOSE CONNECTIVITY DUE TO TAKING THE ROOM OFFLINE. ALL EQUIPMENT WITHIN ROOM SHALL BE TURNED OVER TO OWNER FOR REUSE, STORAGE, OR DISPOSAL.
2. EXISTING IDF 04 TO BE DEMOLISHED WITHIN NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF DEMOLITION WITH OWNER PRIOR TO TAKING THE ROOM OFFLINE. CONTRACTOR SHALL ENSURE AREAS THAT ARE TO REMAIN ACTIVE ARE NOT FED FROM THE IDF AND DO NOT LOSE CONNECTIVITY DUE TO TAKING THE ROOM OFFLINE. ALL EQUIPMENT WITHIN ROOM SHALL BE TURNED OVER TO OWNER FOR REUSE, STORAGE, OR DISPOSAL.
3. EXISTING AV EQUIPMENT RACK SERVING MAIN GYM TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL. COORDINATE TIMING OF REMOVAL WITH OWNER.
4. EXISTING AV EQUIPMENT RACKS CONTAINING BROADCAST AND LOCAL SOUND REINFORCEMENT EQUIPMENT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE, REUSE WITHIN NEW CONSTRUCTION, OR DISPOSAL.
5. EXISTING AUDITORIUM AV EQUIPMENT RACKS AND ASSOCIATED EQUIPMENT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL. COORDINATE TIMING OF REMOVAL WITH OWNER.
6. EEXISTING AUX GYM AV RACK AND ASSOCIATED EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.



KEY PLAN

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 03-31-26 RCDD
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DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET
INDIANAPOLIS, IN 46205
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BCV BARTON COE VILAMAA ARCHITECTS & ENGINEERS

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	SECOND FLOOR OVERALL DEMOLITION PLAN
SHEET:	TD102
COMM #:	2265

1/16/2024 4:18:53 AM

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
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DEMOLITION TECHNOLOGY LEGEND

Symbol	Description
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AV	AV FLOOR BOX LOCATION
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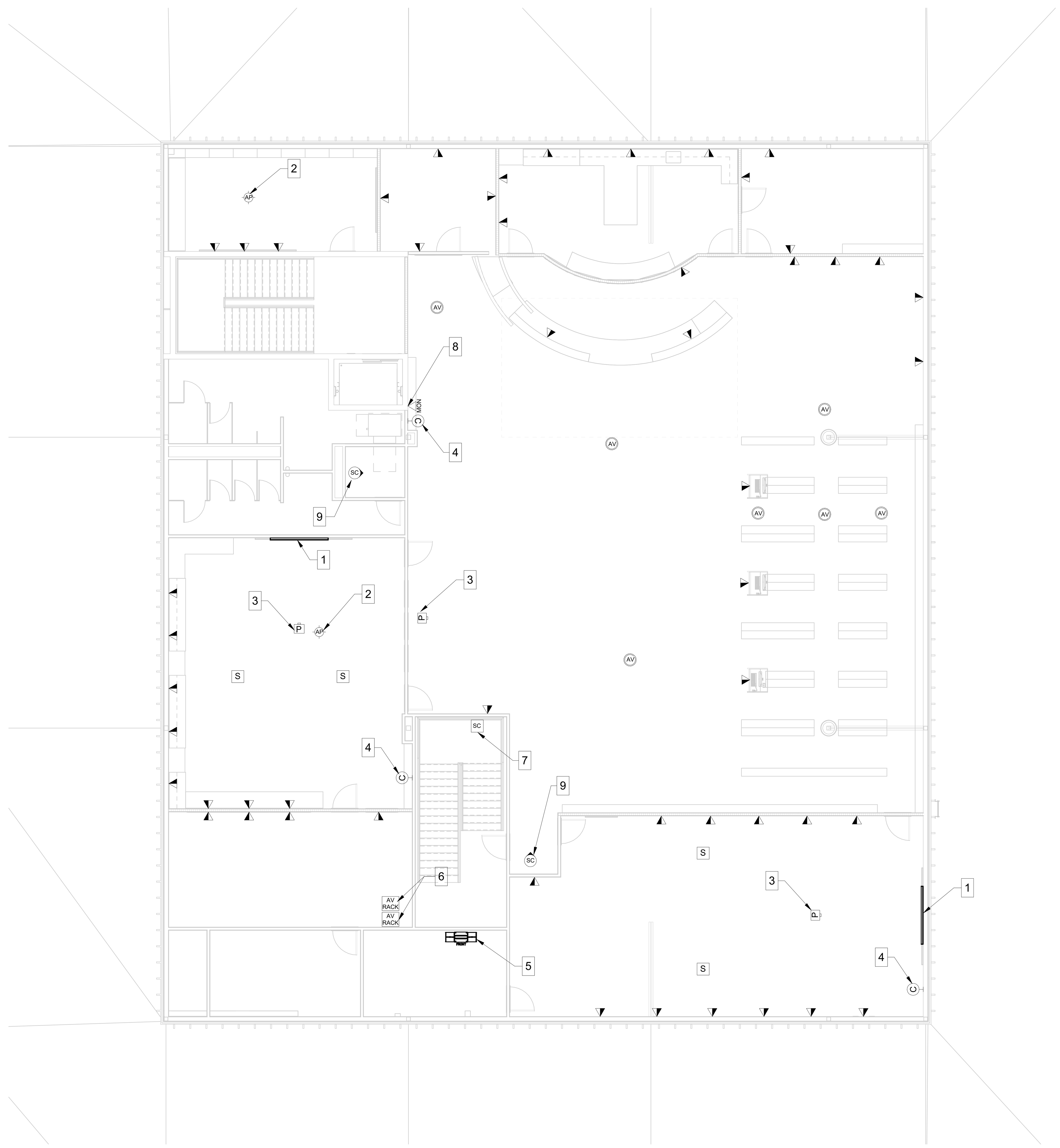
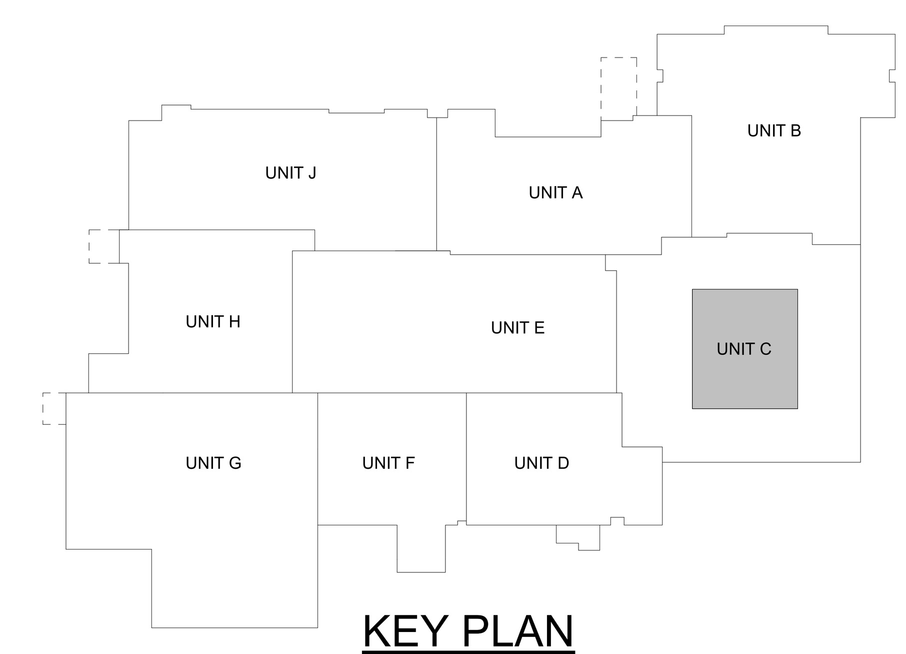
SC	SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. EXISTING CEILING HUNG PROJECTION SCREEN TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
2. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
3. EXISTING CEILING MOUNTED PROJECTOR TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
4. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
5. EXISTNG IDF 03 TO BE DEMOLISHED WITHIN NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF DEMOLITION WITH OWNER PRIOR TO TAKING THE ROOM OFFLINE. CONTRACTOR SHALL ENSURE AREAS THAT ARE TO REMAIN ACTIVE ARE NOT FED FROM THE IDF AND DO NOT LOSE CONNECTIVITY DUE TO TAKING THE ROOM OFFLINE. ALL EQUIPMENT WITHIN ROOM SHALL BE TURNED OVER TO OWNER FOR REUSE, STORAGE, OR DISPOSAL.
6. EXISTING AV EQUIPMENT RACK CONTAINING BROADCAST AND LOCAL SOUND REINFORCEMENT EQUIPMENT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE, REUSE WITHIN NEW CONSTRUCTION, OR DISPOSAL.
7. EXISTING SECURITY CAMERA TO BE CAREFULLY REMOVED AND PLACED INTO INVENTORY FOR REINSTALLATION IN NEW LOCATION. ALL CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY.
8. EXISTING MONITOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
9. EXISTING SECURITY CAMERA TO REMAIN IN CURRENT LOCATION. EXISTING CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY AND REPLACED WITH NEW CATEGORY CABLING.



1 SECOND FLOOR DEMOLITION PLAN - UNIT C
1/8" = 1'-0"



KEY PLAN

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 12-31-26
RCDD

MEYER NAJEM

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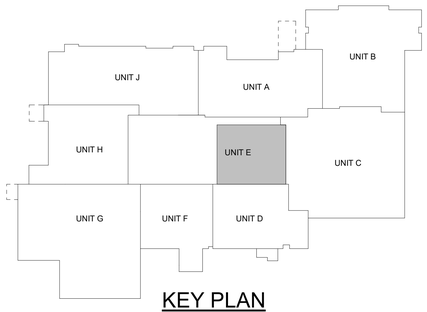
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	SECOND FLOOR DEMOLITION PLAN - UNIT C
SHEET:	TD102C
COMM #:	2265

1/16/2024 9:19:56 AM



KEY PLAN

SHEET NOTES

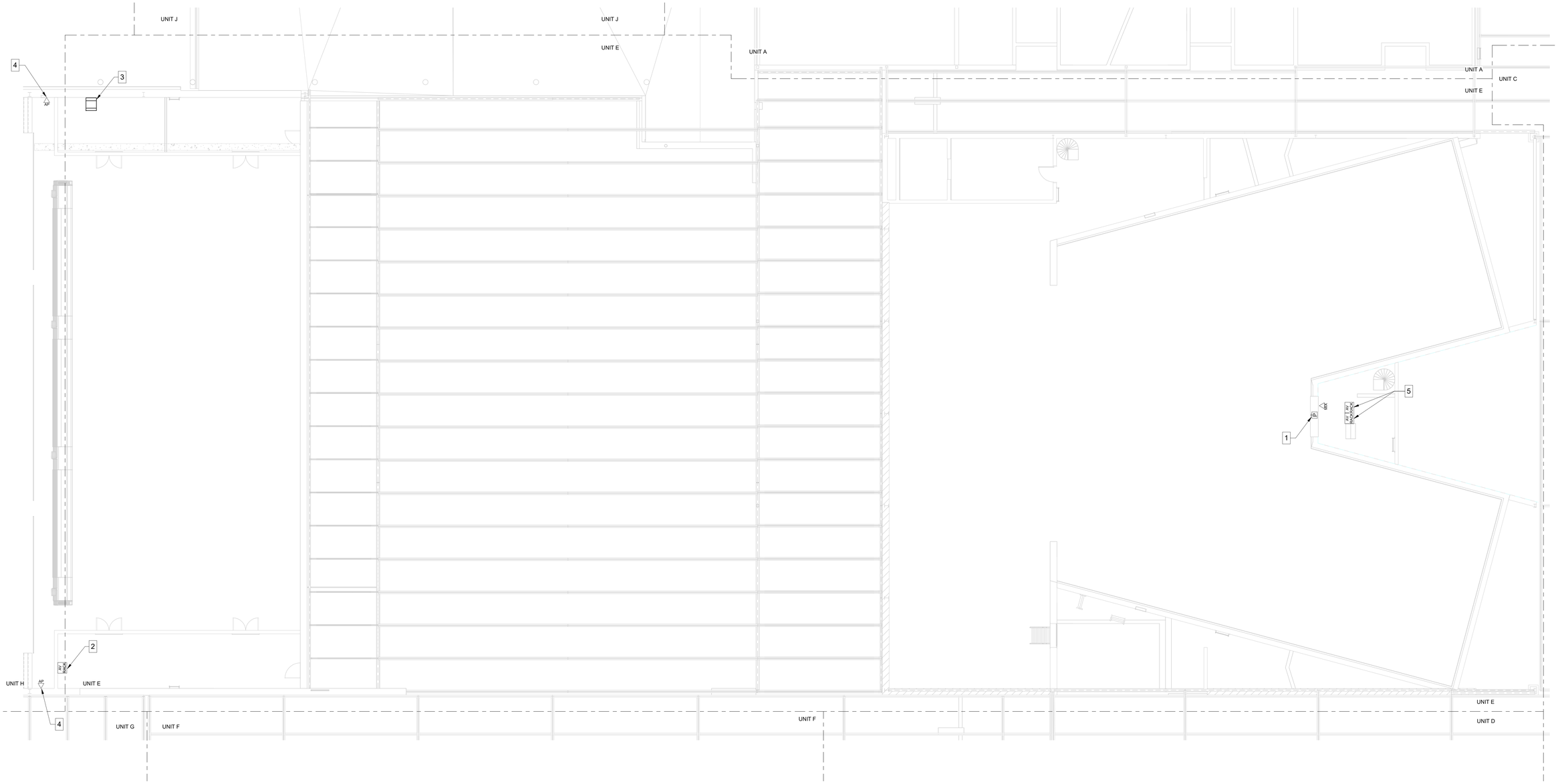
1. EXISTING CEILING MOUNTED PROJECTOR AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
2. EXISTING AV EQUIPMENT RACK SERVING MAIN GYM TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL. COORDINATE TIMING OF REMOVAL WITH OWNER.
3. EXISTING IDF 04 TO BE DEMOLISHED WITHIN NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF DEMOLITION WITH OWNER PRIOR TO TAKING THE ROOM OFFLINE. CONTRACTOR SHALL ENSURE AREAS THAT ARE TO REMAIN ACTIVE ARE NOT FED FROM THE IDF AND DO NOT LOSE CONNECTIVITY DUE TO TAKING THE ROOM OFFLINE. ALL EQUIPMENT WITHIN ROOM SHALL BE TURNED OVER TO OWNER FOR REUSE, STORAGE, OR DISPOSAL.
4. EXISTING WIRELESS ACCESS POINT AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE.
5. EXISTING AUDITORIUM AV EQUIPMENT RACKS AND ASSOCIATED EQUIPMENT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL. COORDINATE TIMING OF REMOVAL WITH OWNER.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TEACHER STATION LOCATION
- AV FLOOR BOX LOCATION
- POKE THRU LOCATION
- WIRELESS ACCESS POINT - WALL MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- CEILING MOUNTED PROJECTOR LOCATION
- MONITOR LOCATION
- IR MICROPHONE LOCATION
- AV INPUT LOCATION
- CLOCK LOCATION
- AV CONTROL LOCATION
- SPEAKER - PAGING
- SPEAKER - PROGRAM
- SPEAKER - WALL MOUNTED
- WALL PHONE LOCATION
- ALERTUS BEACON LOCATION
- VIDEO INTERCOM DOOR STATION
- CARD READER LOCATION
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
F	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
G	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.



1 SECOND FLOOR DEMOLITION PLAN - UNIT E
1/8" = 1'-0"

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: SECOND FLOOR DEMOLITION PLAN - UNIT E

SHEET: **TD102E**
COMM #: 2265

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BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 01-31-26 RCDD

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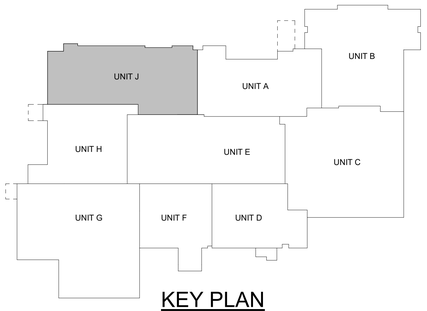


KEY PLAN

SHEET NOTES

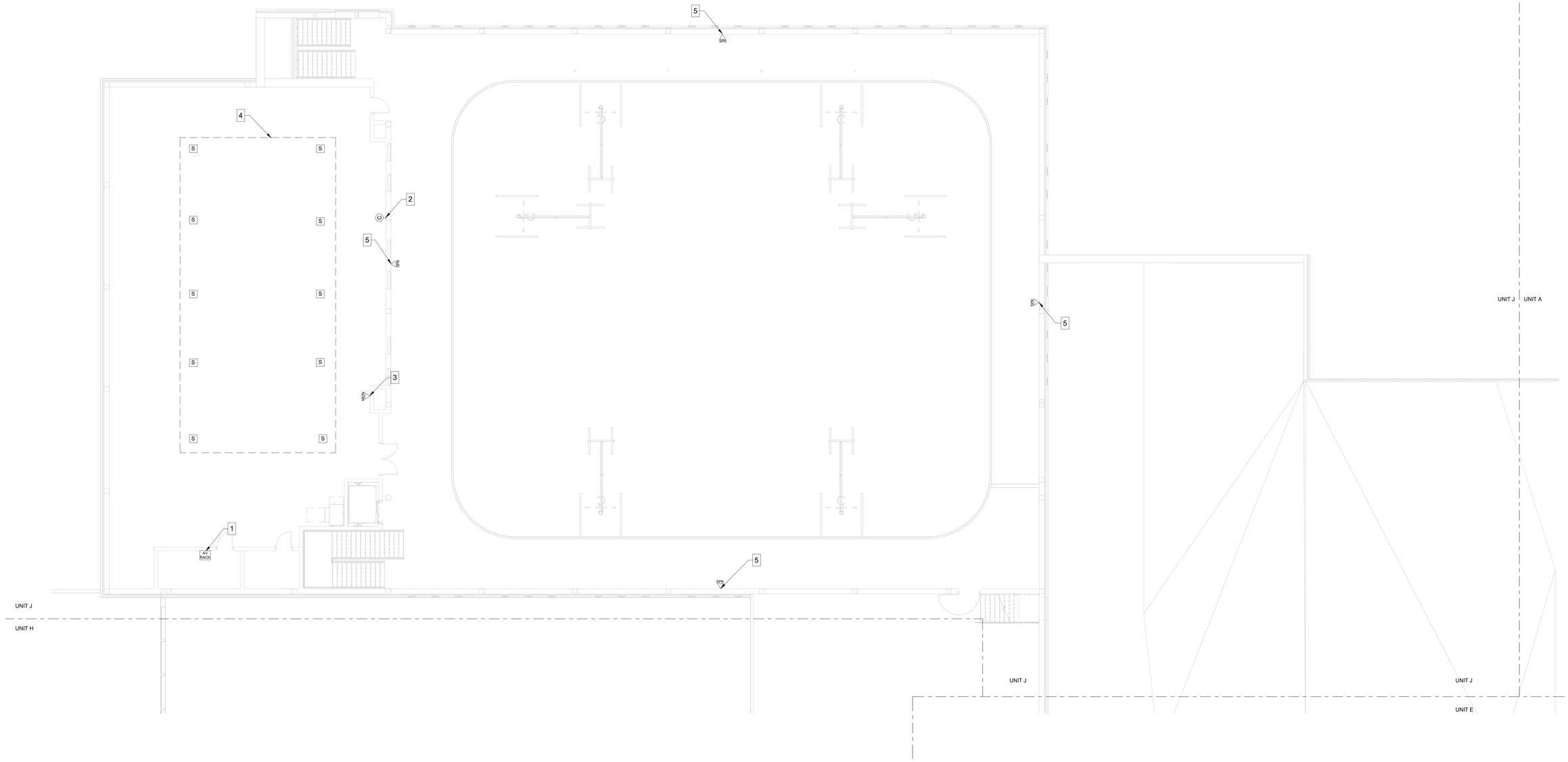
1. EXISTING AUX GYM AV RACK AND ASSOCIATED EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
2. EXISTING CLOCK TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.
3. EXISTING MONITOR AND ASSOCIATED MOUNT AND EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
4. EXISTING LOUDSPEAKERS AND ASSOCIATED HEADEND EQUIPMENT TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
5. EXISTING WALL MOUNTED SPEAKER AND ASSOCIATED MOUNT TO BE REMOVED AND TURNED OVER TO OWNER FOR STORAGE OR DISPOSAL.

DEMOLITION TECHNOLOGY LEGEND

- DATA LOCATION
- TS — TEACHER STATION LOCATION
- AV — AV FLOOR BOX LOCATION
- AV — POKE THRU LOCATION
- AP — WIRELESS ACCESS POINT - WALL MOUNTED
- AP — WIRELESS ACCESS POINT - CEILING MOUNTED
- P — CEILING MOUNTED PROJECTOR LOCATION
- MON — MONITOR LOCATION
- IR — IR MICROPHONE LOCATION
- AV — AV INPUT LOCATION
- C — CLOCK LOCATION
- CTL — AV CONTROL LOCATION
- S — SPEAKER - PAGING
- S — SPEAKER - PROGRAM
- SPK — SPEAKER - WALL MOUNTED
- WP — WALL PHONE LOCATION
- AB — ALERTUS BEACON LOCATION
- VI — VIDEO INTERCOM DOOR STATION
- CR — CARD READER LOCATION
- SC — SECURITY CAMERA - CEILING MOUNTED
- SC — SECURITY CAMERA - WALL MOUNTED

GENERAL DEMOLITION NOTES

A	CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATE FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION.
C	ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
E	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
F	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
G	UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
H	EXISTING MDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.



1 SECOND FLOOR DEMOLITION PLAN - UNIT J
1/8" = 1'-0"

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: SECOND FLOOR DEMOLITION PLAN - UNIT J

SHEET: **TD102J**
COMM #: **2265**

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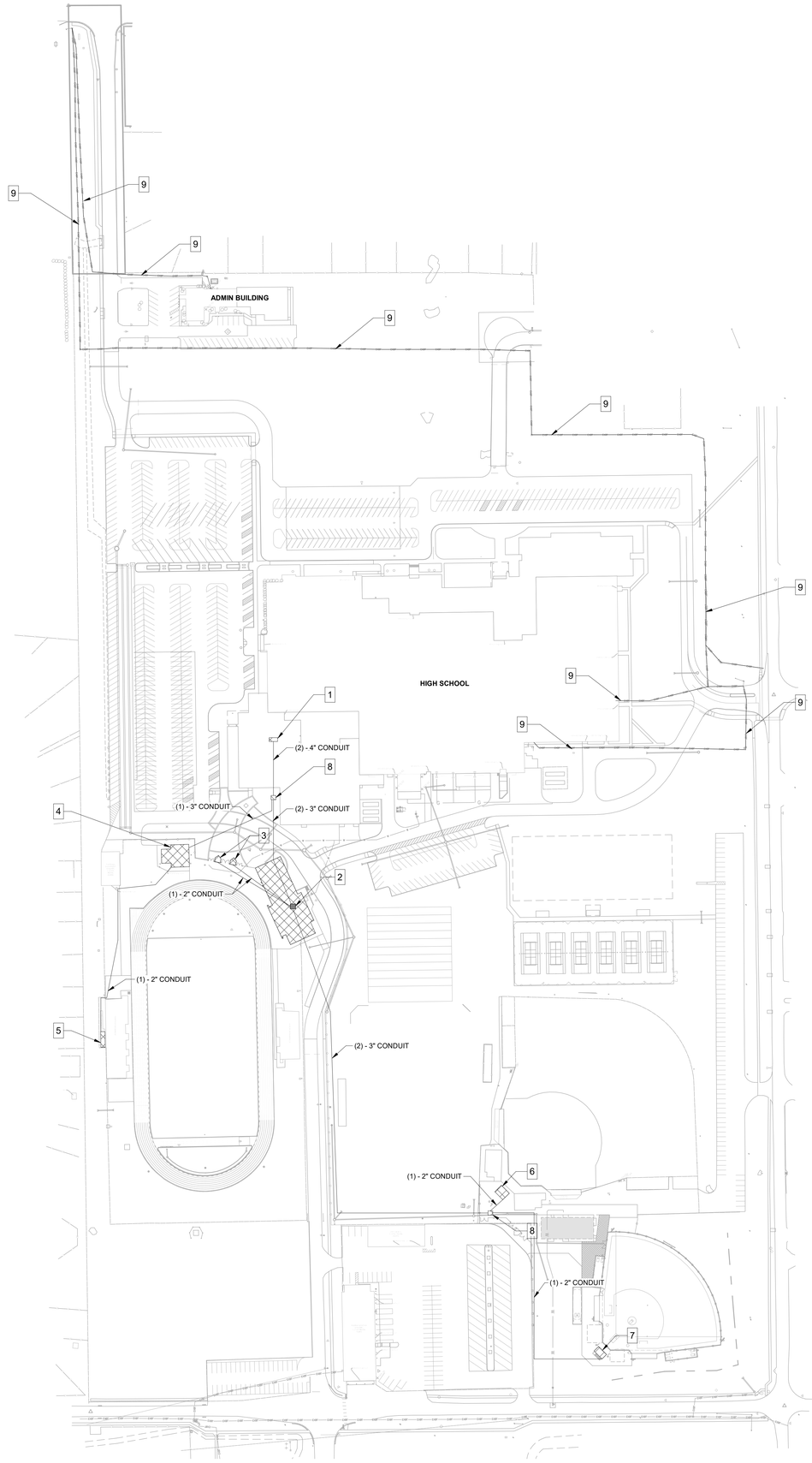

1 TELECOM SITE PLAN
1" = 100'-0"

GENERAL SITE PLAN NOTES

A	CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING AND PATHWAYS TO ENSURE A COMPLETE AND FUNCTIONAL SYSTEM FOR BACKBONE FIBER OPTIC AND COPPER CABLING.
B	ALL BACKBONE OSP FIBER OPTIC AND COPPER CABLING SHALL BE FURNISHED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
C	ALL OSP CONDUIT AND PATHWAYS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	ALL EXISTING OSP CONDUITS AND CABLING SHALL REMAIN UNLESS OTHERWISE NOTED.
E	CONDUITS AND DUCTBANKS TO BE DEMOLISHED SHALL NOT BE DISTURBED UNTIL ALL EXISTING CABLING AND CIRCUITS ARE RELOCATED TO NEW CONDUITS AND DUCTBANKS.
F	EXISTING CONDUIT AND DUCTBANKS TO BE DEMOLISHED SHALL BE SEALED, CAPPED, AND MADE WATER TIGHT AS TO PREVENT WATER ENTERING BACK INTO THE BUILDING.
G	ALL CONDUIT BENDS SHALL HAVE A MINIMUM BEND RADIUS OF 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT. THE MINIMUM BEND RADIUS FOR ALL 4" CONDUITS SHALL BE 48".
H	CONTRACTOR SHALL MAINTAIN A MINIMUM 24" SEPARATION FROM THE TELECOM DUCTBANK AND PATHWAY FROM EMI SOURCES. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 36" SEPARATION FROM ALL OTHER UTILITIES.
I	REFER TO CIVIL DRAWINGS FOR ALL FINAL ROUTES AND REQUIREMENTS.
J	ALL OUTSIDE PLANT FIBER SHALL BE PROCURED AND INSTALLED BY THE OWNER.

SHEET NOTES

1. IDF 06 (G141) LOCATION WITHIN NEW WEIGHT ROOM.
2. NEW ATHLETICS LOCKER ROOM MDF.
3. NEW TICKET BOOTH.
4. EXISTING CONCESSION BUILDING.
5. EXISTING FOOTBALL PRESS BOX.
6. EXISTING BASEBALL PRESS BOX.
7. NEW SOFTBALL PRESS BOX.
8. NEW MINIMUM 24" W x 36" L x 24" D HANDHOLE.
9. EXISTING FIBER OPTIC ROUTING TO REMAIN ACTIVE AND PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: TELECOM SITE PLAN

SHEET: T001
COMM #: 2265

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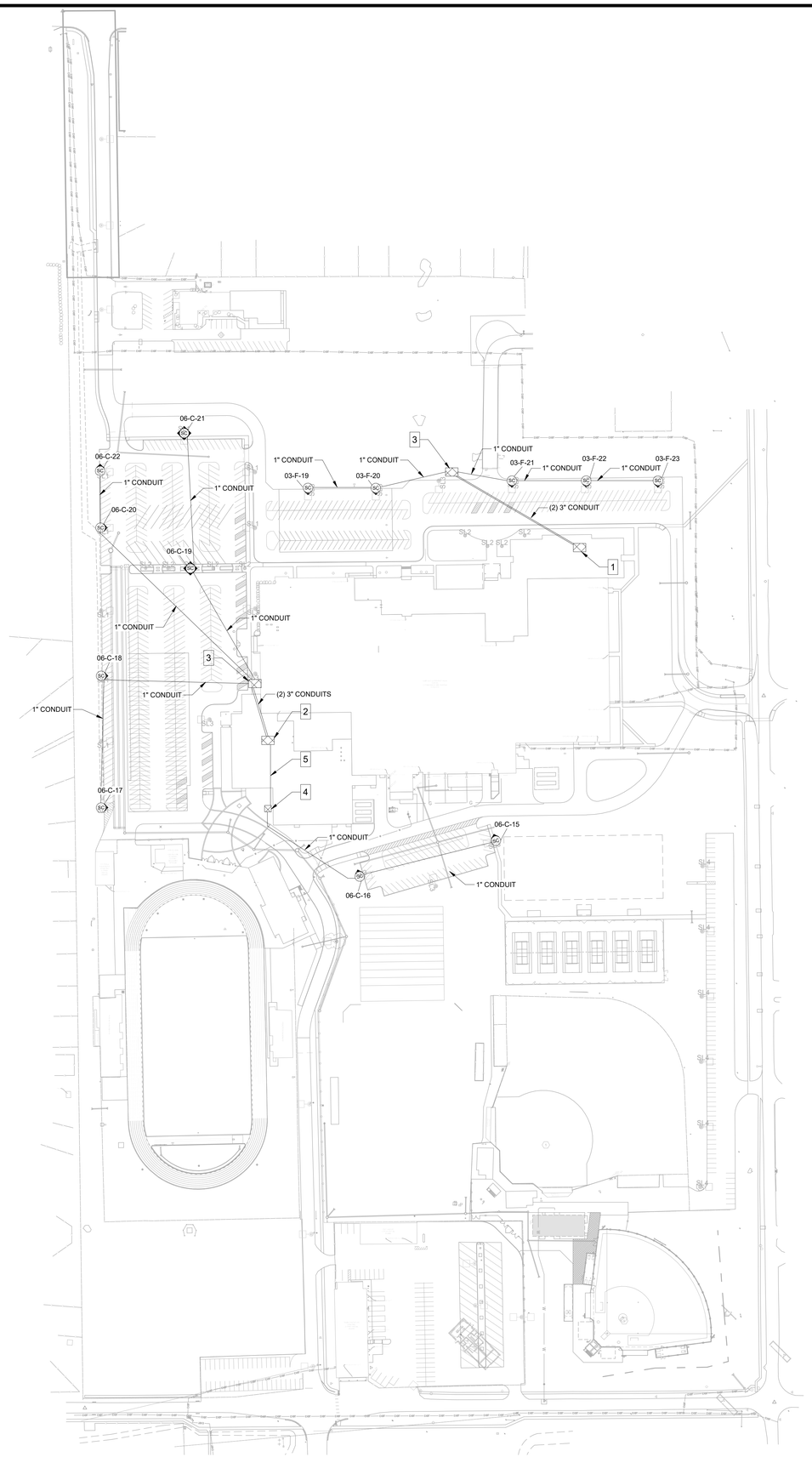


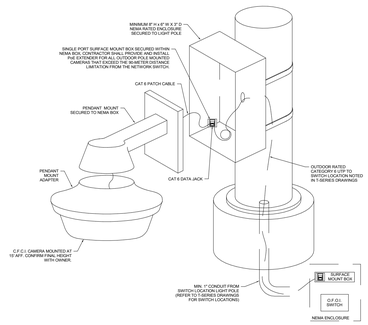
1 SECURITY SITE PLAN
1" = 100'-0"

GENERAL SITE PLAN NOTES

A	CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING AND PATHWAYS TO ENSURE A COMPLETE AND FUNCTIONAL SYSTEM FOR BACKBONE FIBER OPTIC AND COPPER CABLING.
B	ALL BACKBONE OSP FIBER OPTIC AND COPPER CABLING SHALL BE FURNISHED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
C	ALL OSP CONDUIT AND PATHWAYS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
D	ALL EXISTING OSP CONDUITS AND CABLING SHALL REMAIN UNLESS OTHERWISE NOTED.
E	CONDUITS AND DUCTBANKS TO BE DEMOLISHED SHALL NOT BE DISTURBED UNTIL ALL EXISTING CABLING AND CIRCUITS ARE RELOCATED TO NEW CONDUITS AND DUCTBANKS.
F	EXISTING CONDUIT AND DUCTBANKS TO BE DEMOLISHED SHALL BE SEALED, CAPPED, AND MADE WATER TIGHT AS TO PREVENT WATER ENTERING BACK INTO THE BUILDING.
G	ALL CONDUIT BENDS SHALL HAVE A MINIMUM BEND RADIUS OF 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT. THE MINIMUM BEND RADIUS FOR ALL 4" CONDUITS SHALL BE 48".
H	CONTRACTOR SHALL MAINTAIN A MINIMUM 24" SEPARATION FROM THE TELECOM DUCTBANK AND PATHWAY FROM EMI SOURCES. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 36" SEPARATION FROM ALL OTHER UTILITIES.
I	REFER TO CIVIL DRAWINGS FOR ALL FINAL ROUTES AND REQUIREMENTS.
J	ALL OUTSIDE PLANT FIBER SHALL BE PROCURED AND INSTALLED BY THE OWNER.

SHEET NOTES

1. IDF 03 (B138) LOCATION.
2. IDF 06 (G141) LOCATION WITHIN NEW WEIGHT ROOM.
3. NEW MINIMUM 24" W x 36" L x 24" D HANDHOLE.
4. NEW HANDHOLE SHOWN ON SHEET T001.
5. NEW CONDUITS SHOWN ON SHEET T001.



2 SECURITY CAMERA - LIGHT POLE MOUNTED DETAIL
N.T.S.

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RENOVATIONS AND ADDITIONS TO:
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: SECURITY SITE PLAN

SHEET: T002
COMM #: 2265

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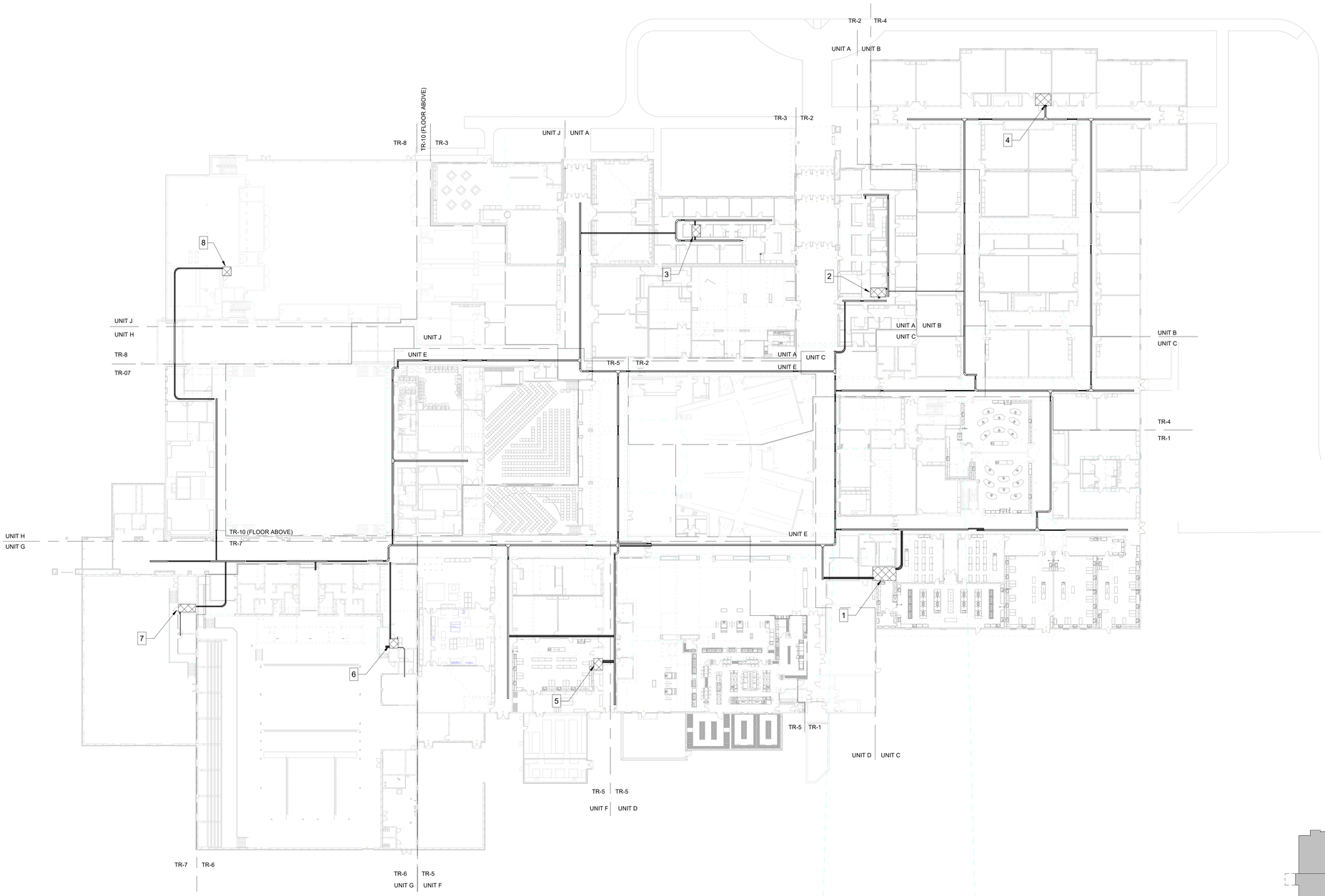

1 FIRST FLOOR OVERALL DISTRIBUTION PLAN
1" = 30'-0"

GENERAL PATHWAYS NOTES

A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
B	CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
C	ALL TELECOM PATHWAY SYSTEMS SHALL BE INDEPENDENTLY SUPPORTED FROM, AND ATTACHED TO, THE BUILDING STRUCTURE.
D	ALL TELECOM PATHWAY SYSTEMS SHALL BE COMPLETELY AND PROPERLY LABELED AS REQUIRED IN REFERENCED STANDARDS.
E	CONDUIT SYSTEMS SHALL BE PROVIDED FOR ALL PATHWAYS IN INACCESIBLE CEILING SPACES AND WHERE EXPOSED TO PUBLIC VIEW. ALL CONDUIT SYSTEMS THROUGHOUT THE BUILDING SHALL INCLUDE PROPERLY SIZED SLEEVED PENETRATIONS WITH BUSHINGS THROUGH ALL BARRIERS.
F	ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM 4-11/16" SQUARE BOX NO LESS THAN 2-1/8" DEEP WITH A MINIMUM 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE WITHIN THE T-SERIES DRAWINGS.
G	CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
H	CONTRACTOR SHALL NOT EXCEED 40% FILL RATIO WITHIN ANY CONDUIT MEANT FOR TELECOMMUNICATIONS CABLING.
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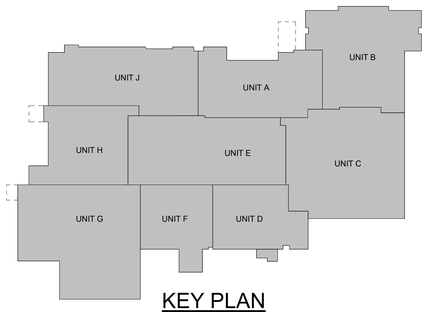
SHEET NOTES

1. EXISTING TR-1 (C163) LOCATION.
2. NEW TR-2 (A123) LOCATION.
3. NEW TR-3 (A174) LOCATION.
4. NEW TR-4 (B138) LOCATION.
5. NEW TR-5 (F120) LOCATION.
6. NEW TR-6 (G140) LOCATION.
7. NEW TR-7 (G141) LOCATION.
8. NEW TR-8 (J140) LOCATION.



KEY PLAN

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

MEYER NAJEM

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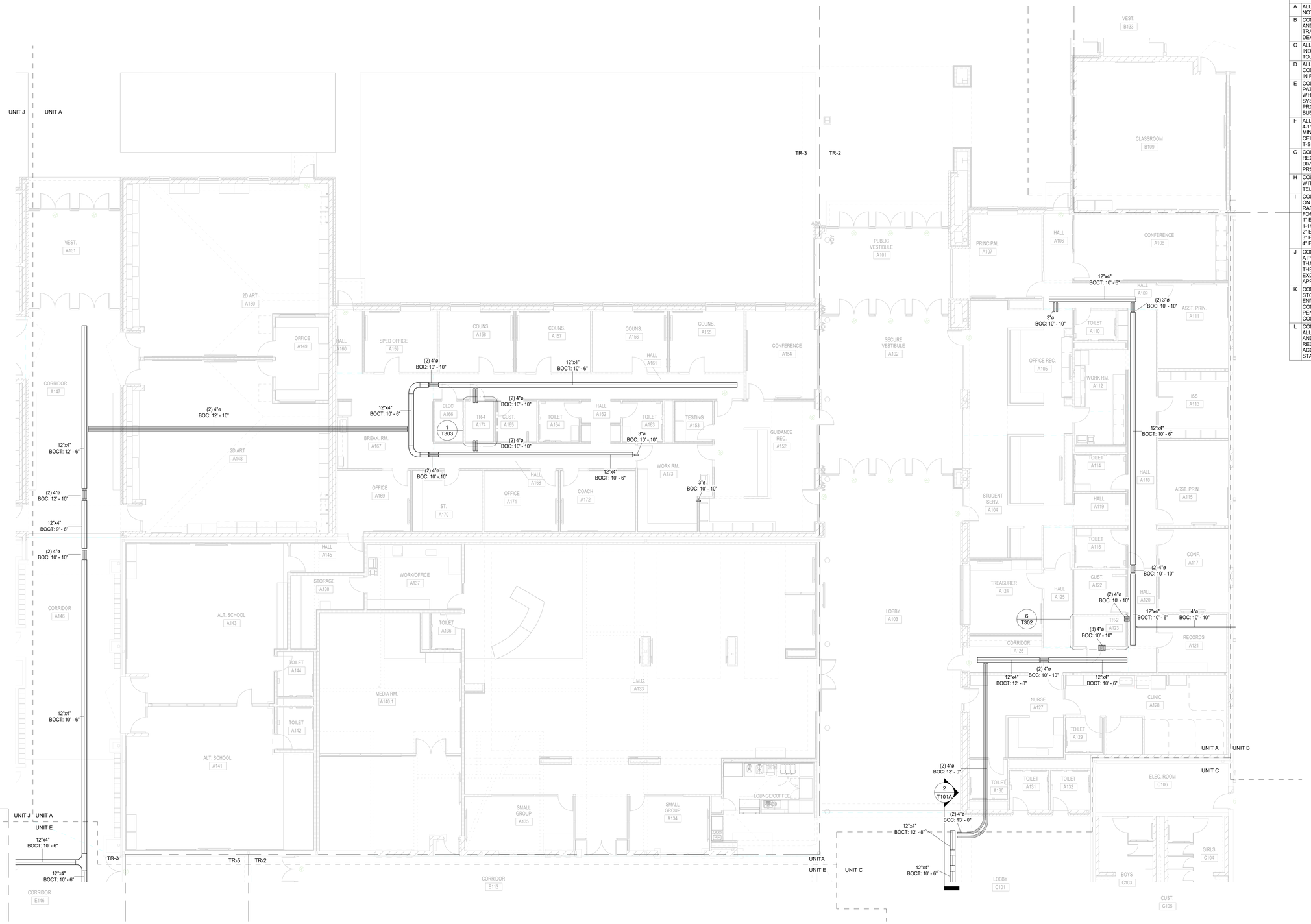
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

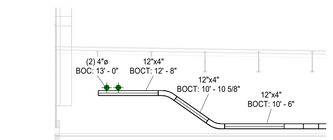
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR OVERALL DISTRIBUTION PLAN

SHEET: T101
COMM #: 2265

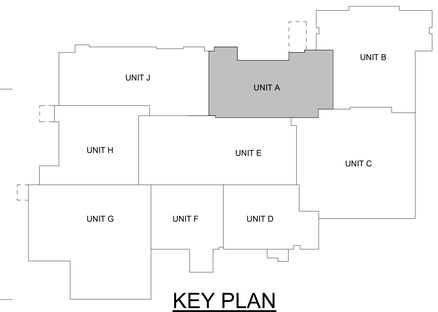
1/16/2024 2:29:41 AM



1 FIRST FLOOR DISTRIBUTION PLAN - UNIT A
1/8" = 1'-0"



2 DISTIRUBITON PATHWAY SECTION
1/4" = 1'-0"



KEY PLAN

GENERAL PATHWAYS NOTES

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Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-24
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRST FLOOR DISTRIBUTION PLAN - UNIT A
SHEET:	T101A
COMM #:	2265

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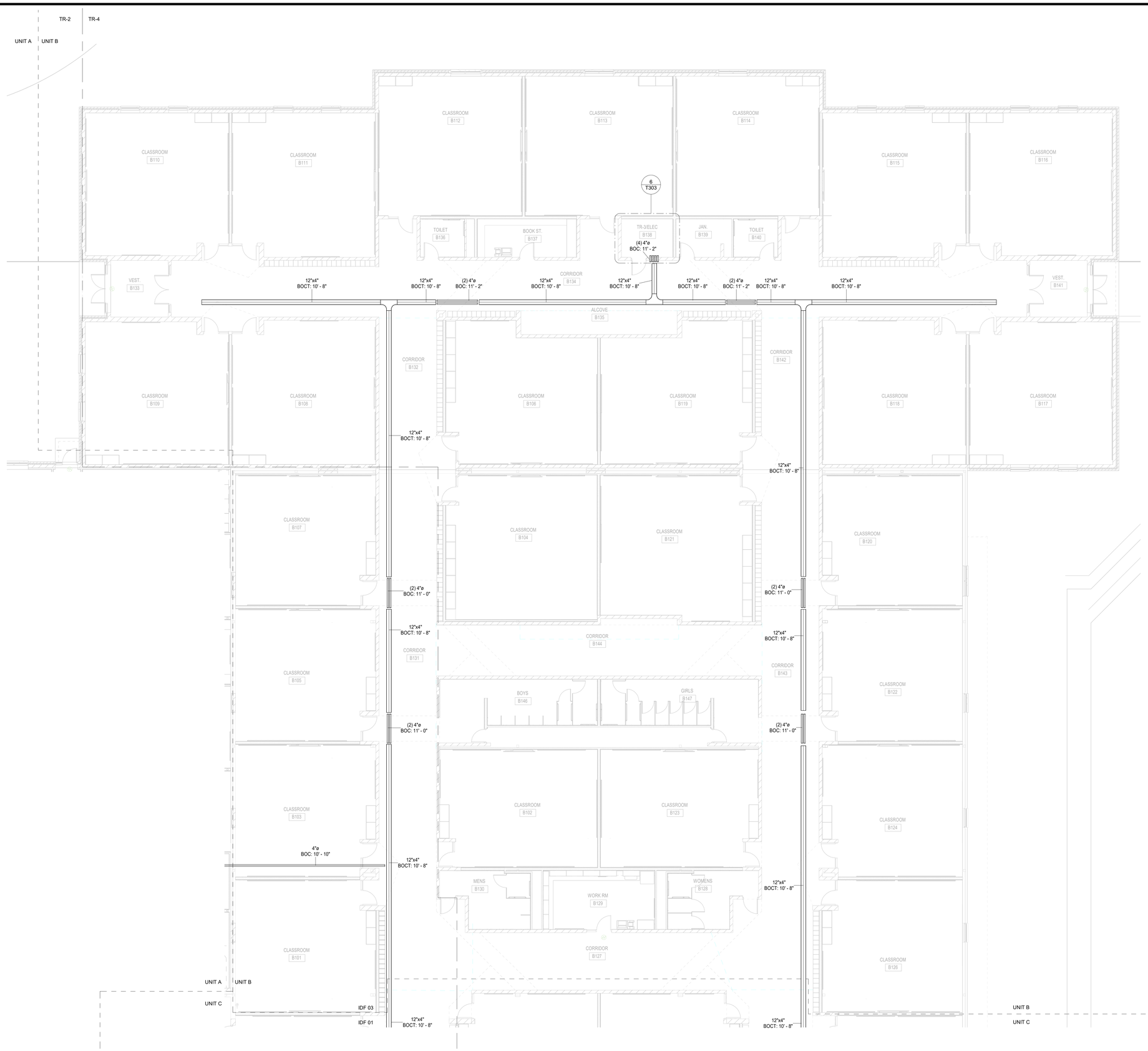

1 FIRST FLOOR DISTRIBUTION PLAN - UNIT B
1/8" = 1'-0"

GENERAL PATHWAYS NOTES	
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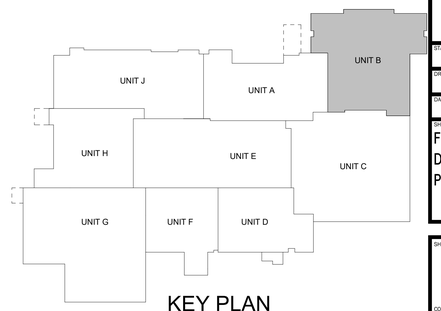

KEY PLAN

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 03-31-26 RCDD

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRST FLOOR DISTRIBUTION PLAN - UNIT B
SHEET:	T101B
COMM #:	2265

1/16/2024 10:37 AM

1 FIRST FLOOR DISTRIBUTION PLAN - UNIT C
1/8" = 1'-0"

GENERAL PATHWAYS NOTES

A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
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SHEET NOTES

1 RISER CONDUITS TO IDF 08 (C207) ON FLOOR ABOVE.

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 01-31-26 RCDD

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DISTRIBUTION PLAN - UNIT C

SHEET: T101C
COMM #: 2265

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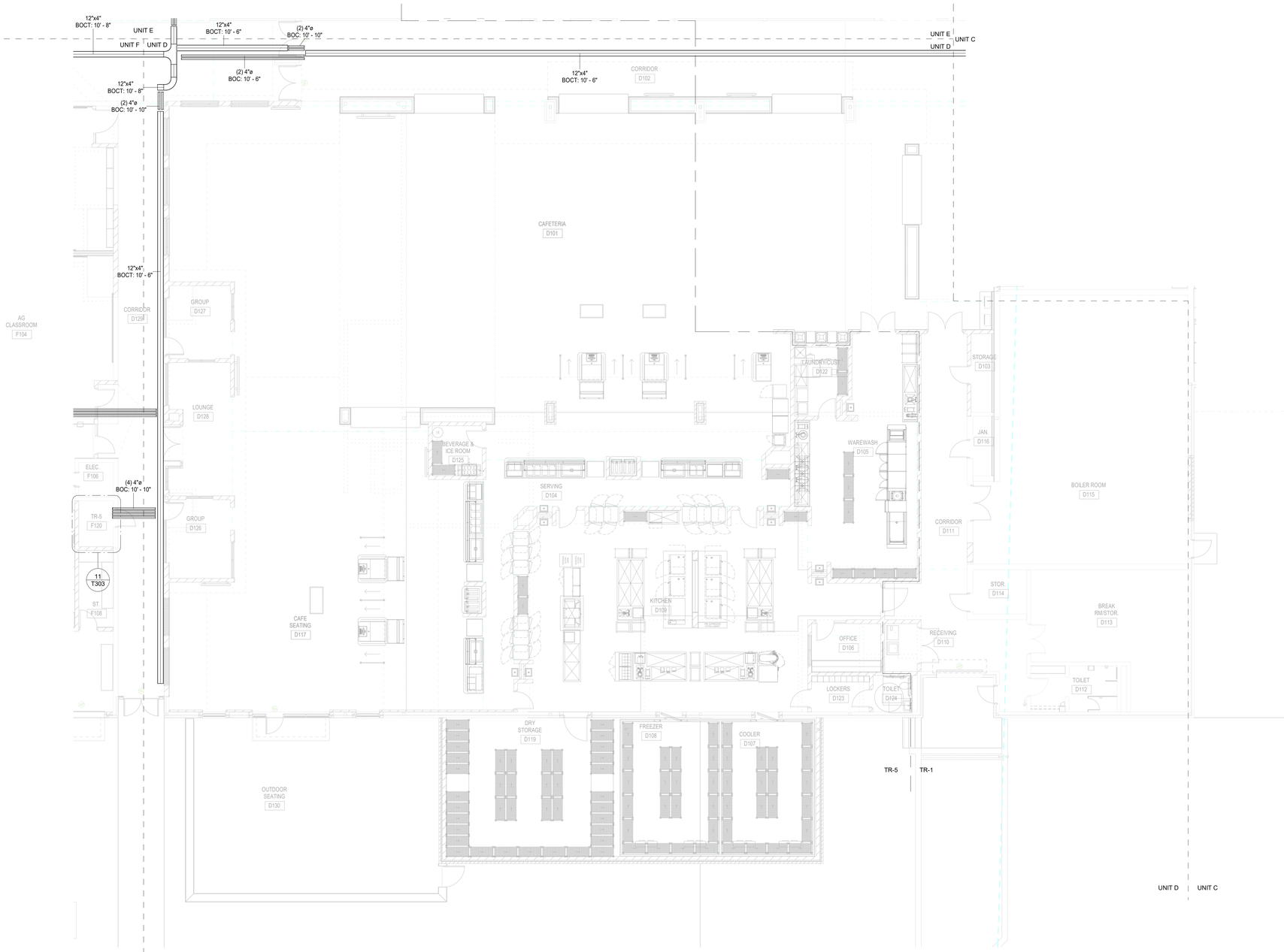

1 FIRST FLOOR DISTRIBUTION PLAN - UNIT D
1/8" = 1'-0"

GENERAL PATHWAYS NOTES

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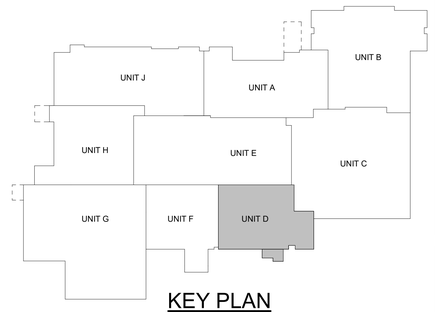

KEY PLAN

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: FIRST FLOOR DISTRIBUTION PLAN - UNIT D

SHEET: **T101D**
COMM #: 2265

1/16/2024 4:31:14 AM

SHEET NOTES

1 RISER CONDUITS FROM IDF 09 (E201) ON FLOOR ABOVE.

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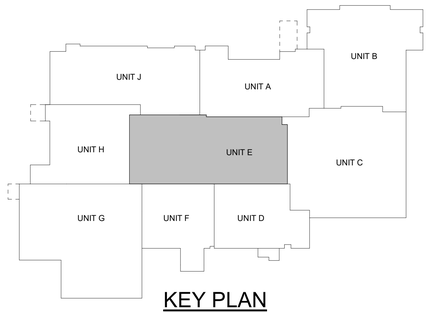
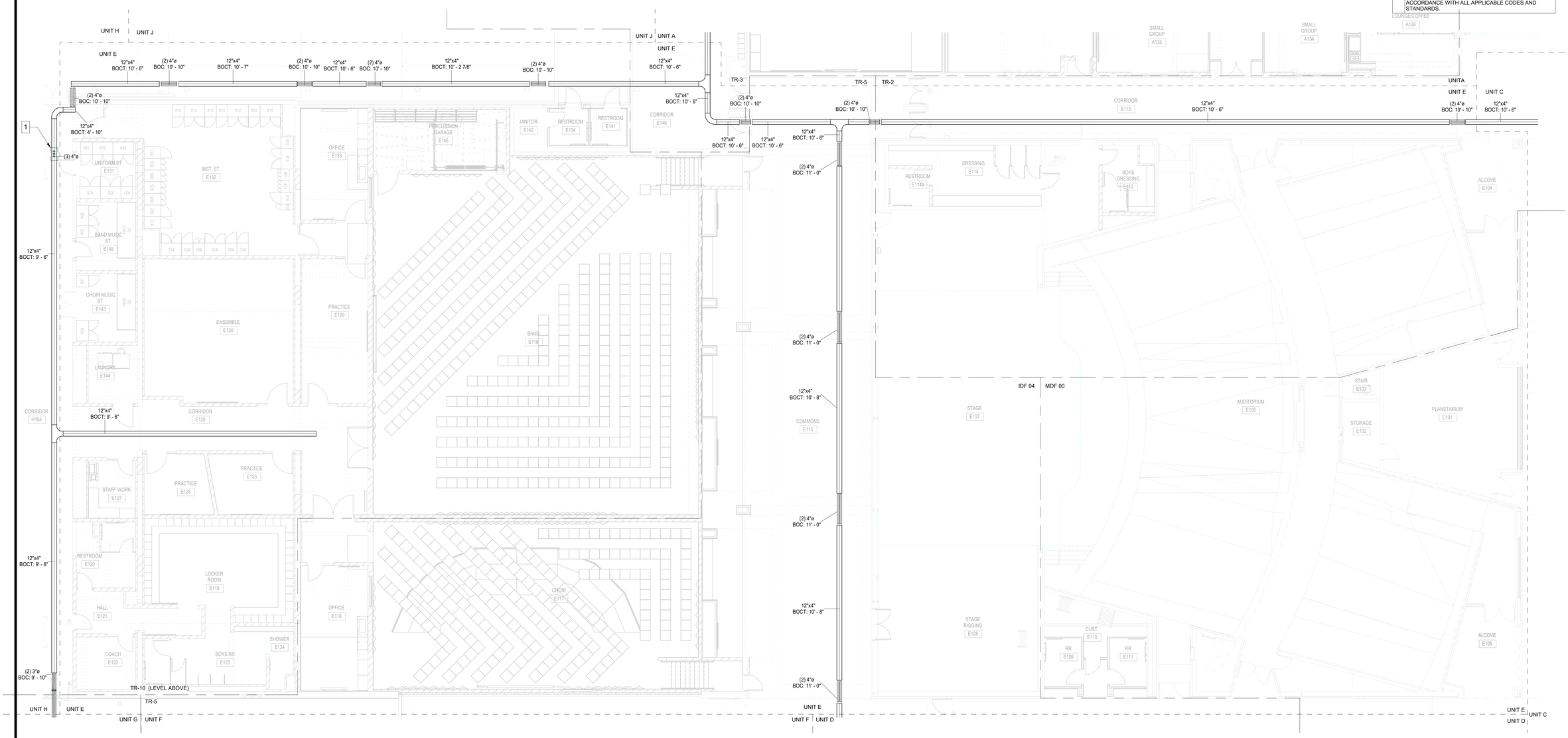


KEY PLAN



1 FIRST FLOOR DISTRIBUTION PLAN - UNIT E
1/8" = 1'-0"

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 01-31-26 RCDD
MEYER NAJEM
DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET INDIANAPOLIS, IN 46205 317.536.8000 WWW.DESIGN27.COM
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DISTRIBUTION PLAN - UNIT E

SHEET: **T101E**
COMM #: 2265

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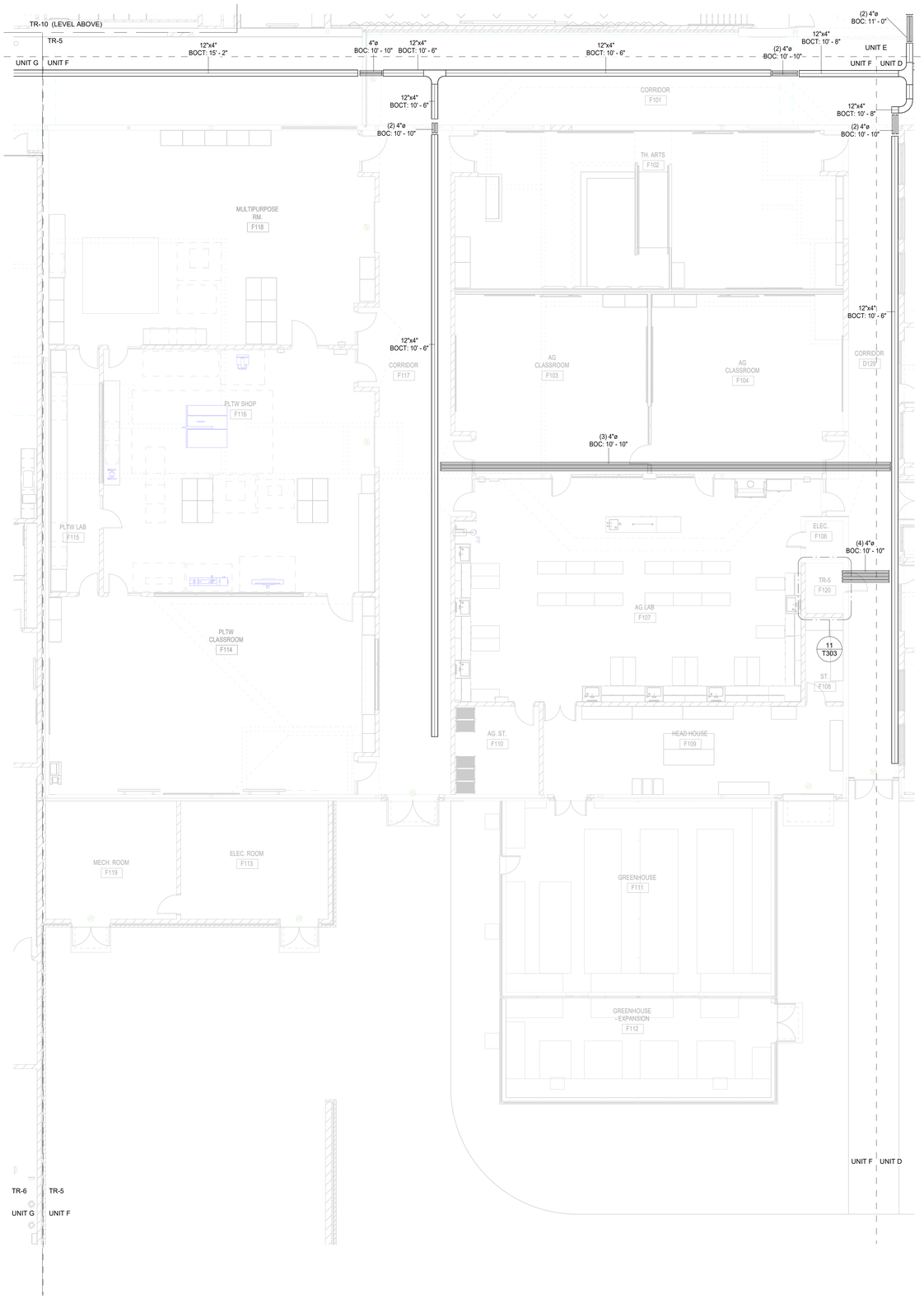

1 FIRST FLOOR DISTRIBUTION PLAN - UNIT F
1/8" = 1'-0"

GENERAL PATHWAYS NOTES	
A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
B	CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
C	ALL TELECOM PATHWAY SYSTEMS SHALL BE INDEPENDENTLY SUPPORTED FROM, AND ATTACHED TO, THE BUILDING STRUCTURE.
D	ALL TELECOM PATHWAY SYSTEMS SHALL BE COMPLETELY AND PROPERLY LABELED AS REQUIRED IN REFERENCED STANDARDS.
E	CONDUIT SYSTEMS SHALL BE PROVIDED FOR ALL PATHWAYS IN INACCESIBLE CEILING SPACES AND WHERE EXPOSED TO PUBLIC VIEW. ALL CONDUIT SYSTEMS THROUGHOUT THE BUILDING SHALL INCLUDE PROPERLY SIZED SLEEVED PENETRATIONS WITH BUSHINGS THROUGH ALL BARRIERS.
F	ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM 4-11/16" SQUARE BOX NO LESS THAN 2-1/8" DEEP WITH A MINIMUM 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE WITHIN THE T-SERIES DRAWINGS.
G	CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
H	CONTRACTOR SHALL NOT EXCEED 40% FILL RATIO WITHIN ANY CONDUIT MEANT FOR TELECOMMUNICATIONS CABLING.
I	CONTRACTOR SHALL CALCULATE FILL RATIOS BASED ON ACTUAL CATEGORY 6 CABLING USED. TYPICAL FILL RATIOS FOR CATEGORY 6 CABLE ARE SHOWN HERE FOR REFERENCE PURPOSES ONLY: 1" EMT = 6 CABLES; 1-1/4" EMT = 15 CABLES; 2" EMT = 25 CABLES; 3" EMT = 90 CABLES; 4" EMT = 150 CABLES
J	CONDUIT RUNS SHALL NOT EXCEED 100 FEET WITHOUT A PULLING POINT, AND SHALL NOT INCLUDE MORE THAN TWO 90° BENDS BETWEEN PULLING POINTS. IF THE PATH OF THE CONDUIT RUN REQUIRES BENDS EXCEEDING A TOTAL OF 180°, INSTALLATION OF AN APPROPRIATELY SIZED JUNCTION BOX IS REQUIRED.
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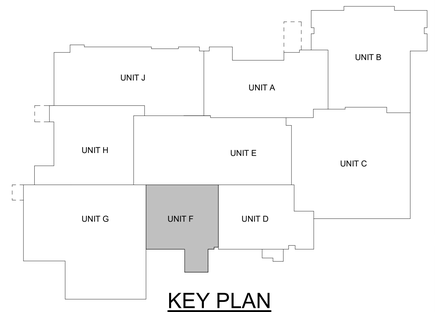

KEY PLAN

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 03-31-26
RCDD

MEYER NAJEM

DESIGN 27 TECHNOLOGY + ACOUSTICS
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DISTRIBUTION PLAN - UNIT F

SHEET: **T101F**
COMM #: 2265

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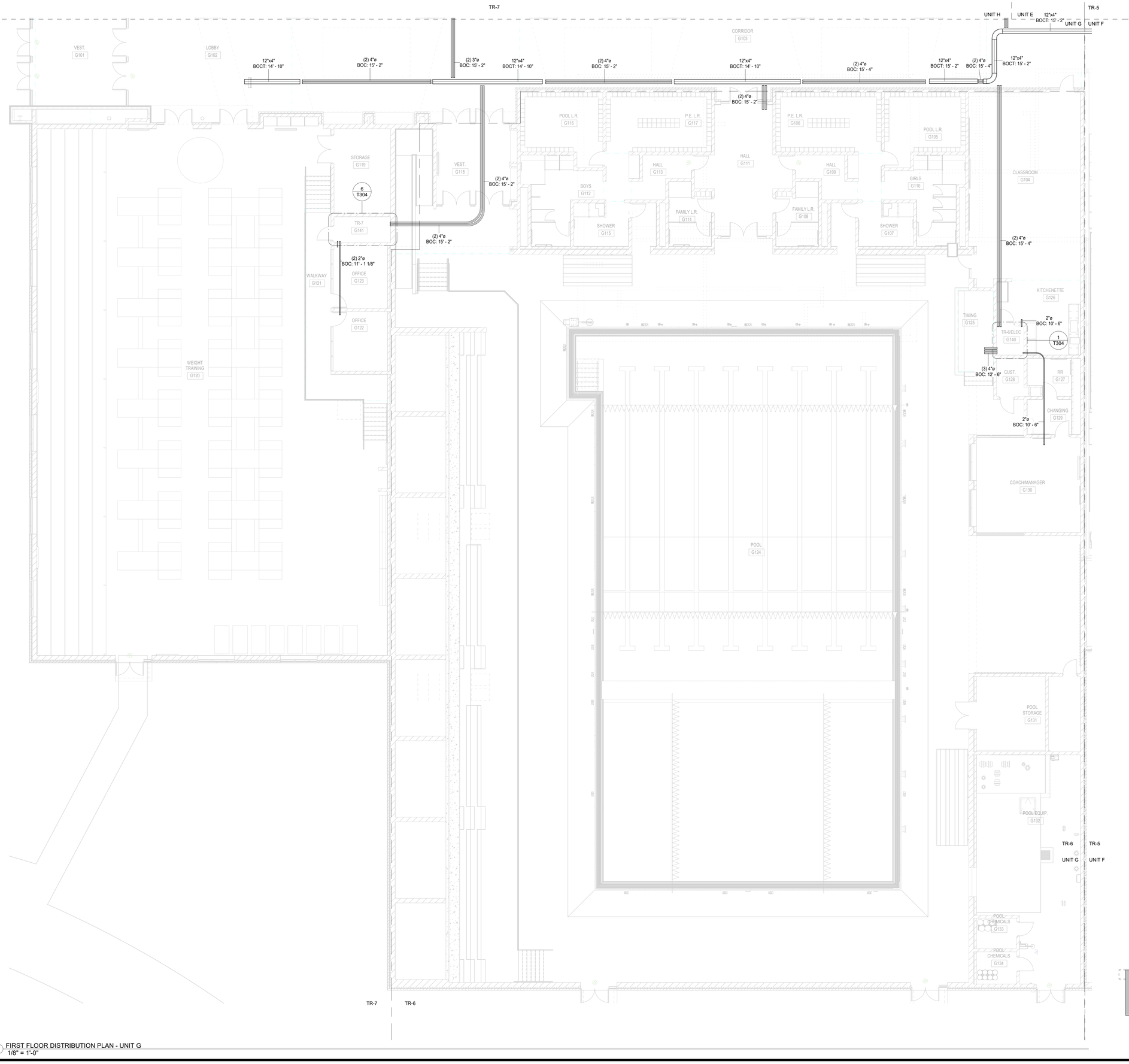

GENERAL PATHWAYS NOTES

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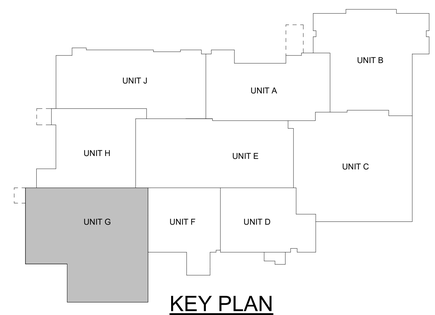

KEY PLAN

1 FIRST FLOOR DISTRIBUTION PLAN - UNIT G
1/8" = 1'-0"

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

MEYER NAJEM

DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET
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317.536.8000
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR DISTRIBUTION PLAN - UNIT G

SHEET: T101G
COMM #: 2265

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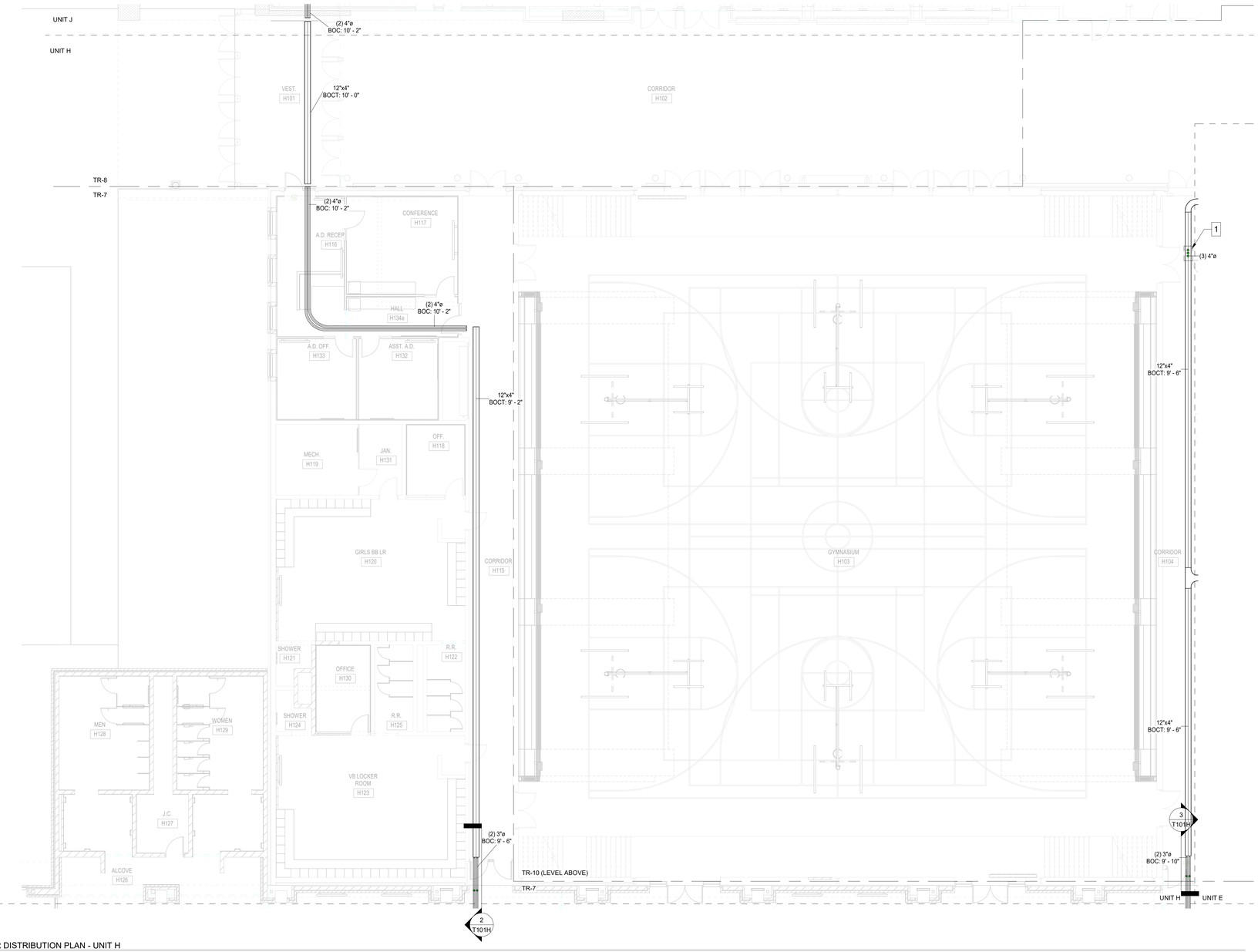
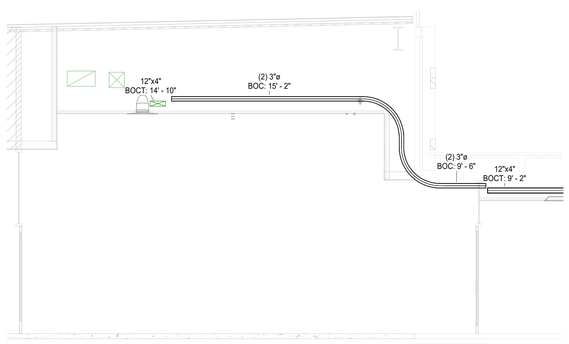
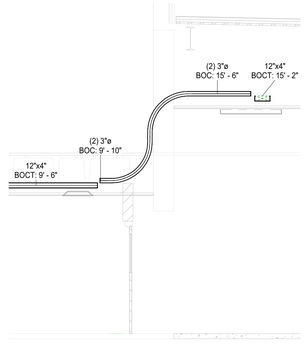


1 FIRST FLOOR DISTRIBUTION PLAN - UNIT H
1/8" = 1'-0"



2 DISTRIBUTION PATHWAY SECTION
1/4" = 1'-0"



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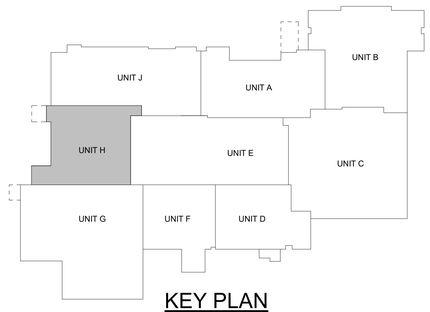
SHEET NOTES

1 RISER CONDUITS FROM IDF H201 ON THE FLOOR ABOVE.



KEY PLAN

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 01-31-24 RCDD
MEYER NAJEM
DESIGN 27 TECHNOLOGY + ACOUSTICS
1650 E. 49TH STREET INDIANAPOLIS, IN 46205 317.536.8000 WWW.DESIGN27.COM
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

	INDICATES REVISION AND DATE
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRST FLOOR DISTRIBUTION PLAN - UNIT H
SHEET:	T101H
COMM #:	2265

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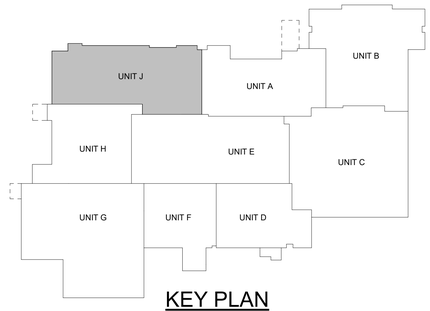

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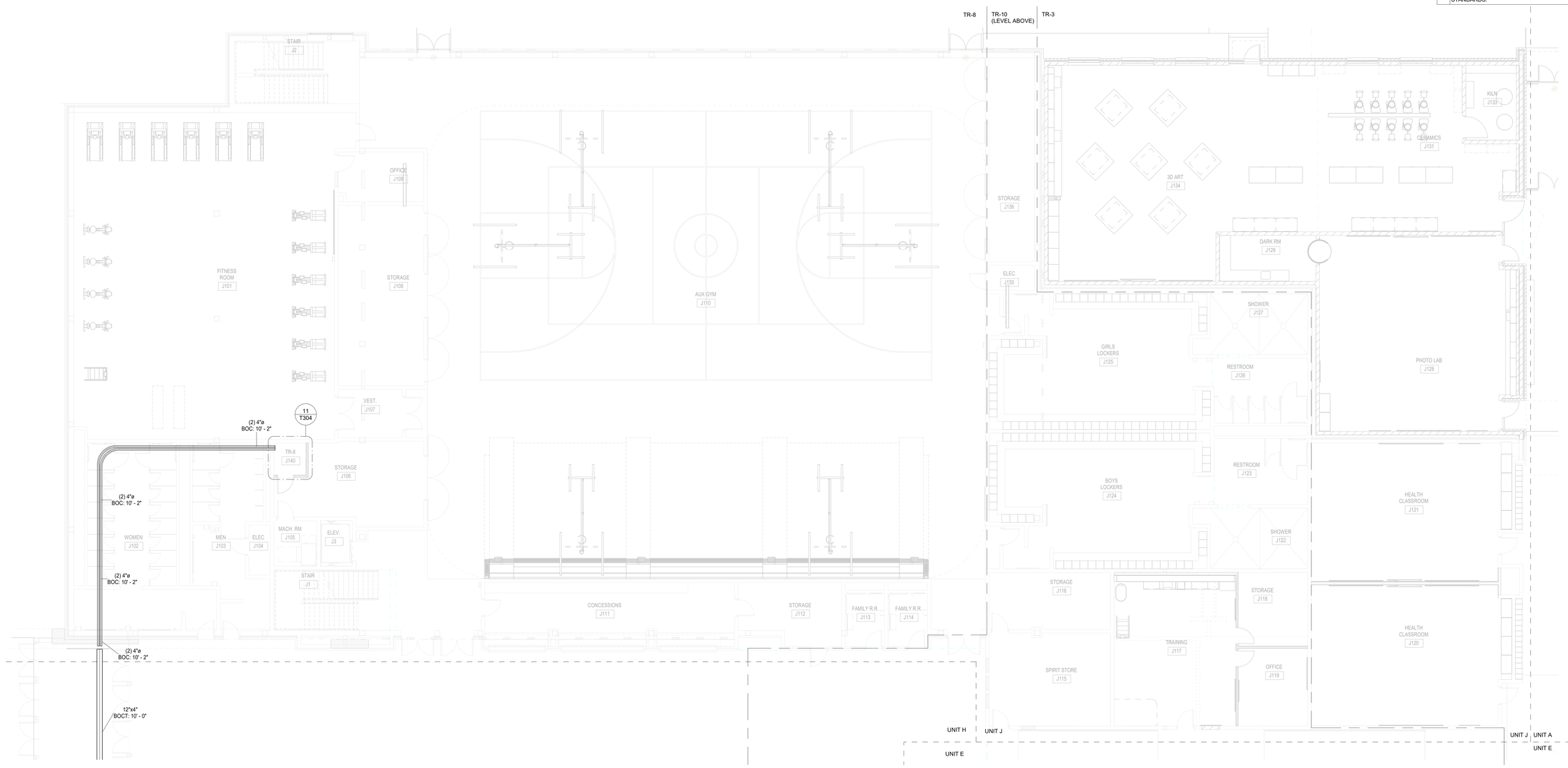

1 FIRST FLOOR DISTRIBUTION PLAN - UNIT J
1/8" = 1'-0"

1/8/2024 12:33 AM

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

MEYER NAJEM

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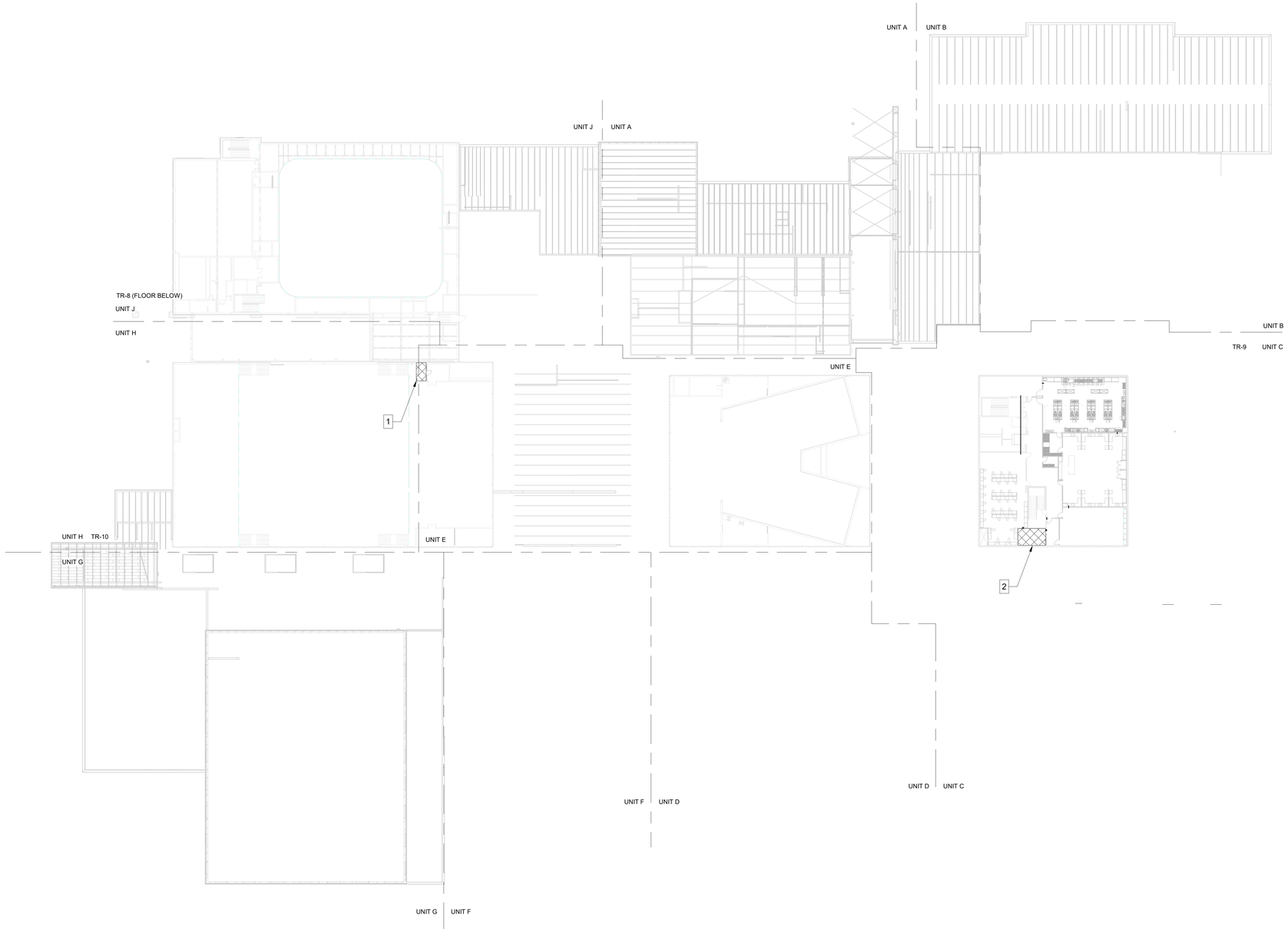
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRST FLOOR DISTRIBUTION PLAN - UNIT J
SHEET:	T101J
COMM #:	2265



1 SECOND FLOOR OVERALL DISTRIBUTION PLAN
1" = 30'-0"

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E	CONDUIT SYSTEMS SHALL BE PROVIDED FOR ALL PATHWAYS IN INACCESIBLE CEILING SPACES AND WHERE EXPOSED TO PUBLIC VIEW. ALL CONDUIT SYSTEMS THROUGHOUT THE BUILDING SHALL INCLUDE PROPERLY SIZED SLEEVED PENETRATIONS WITH BUSHINGS THROUGH ALL BARRIERS.
F	ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM 4-11/16" SQUARE BOX NO LESS THAN 2-1/8" DEEP WITH A MINIMUM 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE WITHIN THE T-SERIES DRAWINGS.
G	CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
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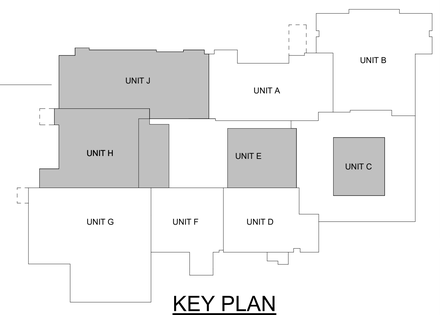
SHEET NOTES

1 NEW TR-9 (C207) LOCATION.
2 NEW TR-10 (H201) LOCATION.



KEY PLAN

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 01-31-26 RCDD
MEYER NAJEM
DESIGN 27 TECHNOLOGY +ACOUSTICS
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317.536.8000
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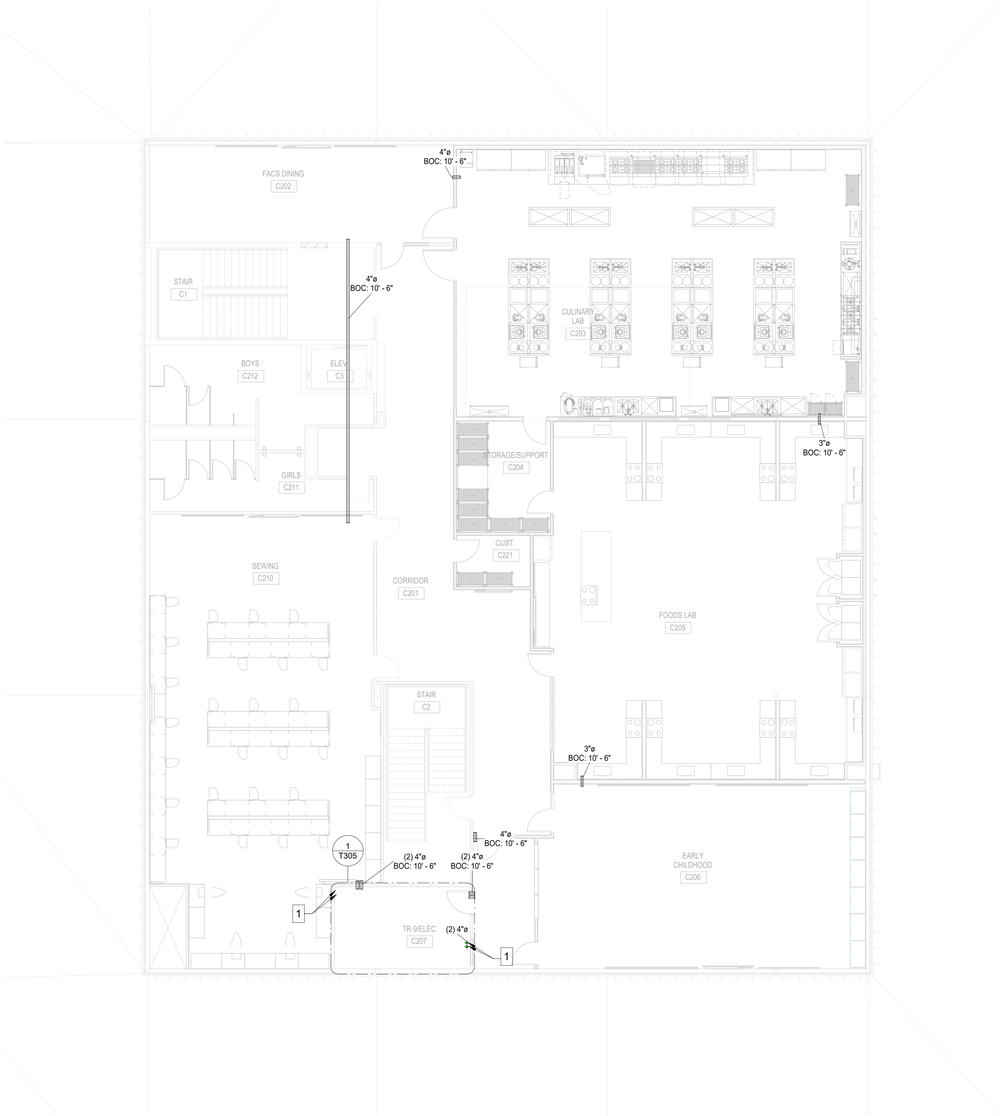
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **SECOND FLOOR OVERALL DISTRIBUTION PLAN**
SHEET: **T102**
COMM #: 2265

1/16/2024 12:21:11 AM



1 SECOND FLOOR DISTRIBUTION PLAN - UNIT C
1/8" = 1'-0"

GENERAL PATHWAYS NOTES

A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
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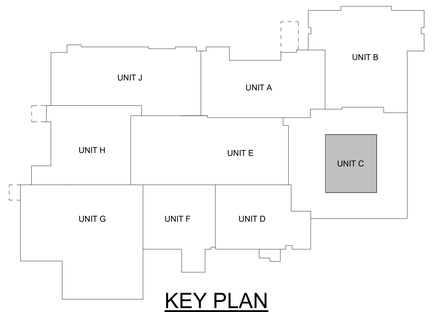
SHEET NOTES

1 RISER CONDUITS TO FLOOR BELOW.



KEY PLAN

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

MEYER NAJEM

DESIGN 27 TECHNOLOGY + ACOUSTICS
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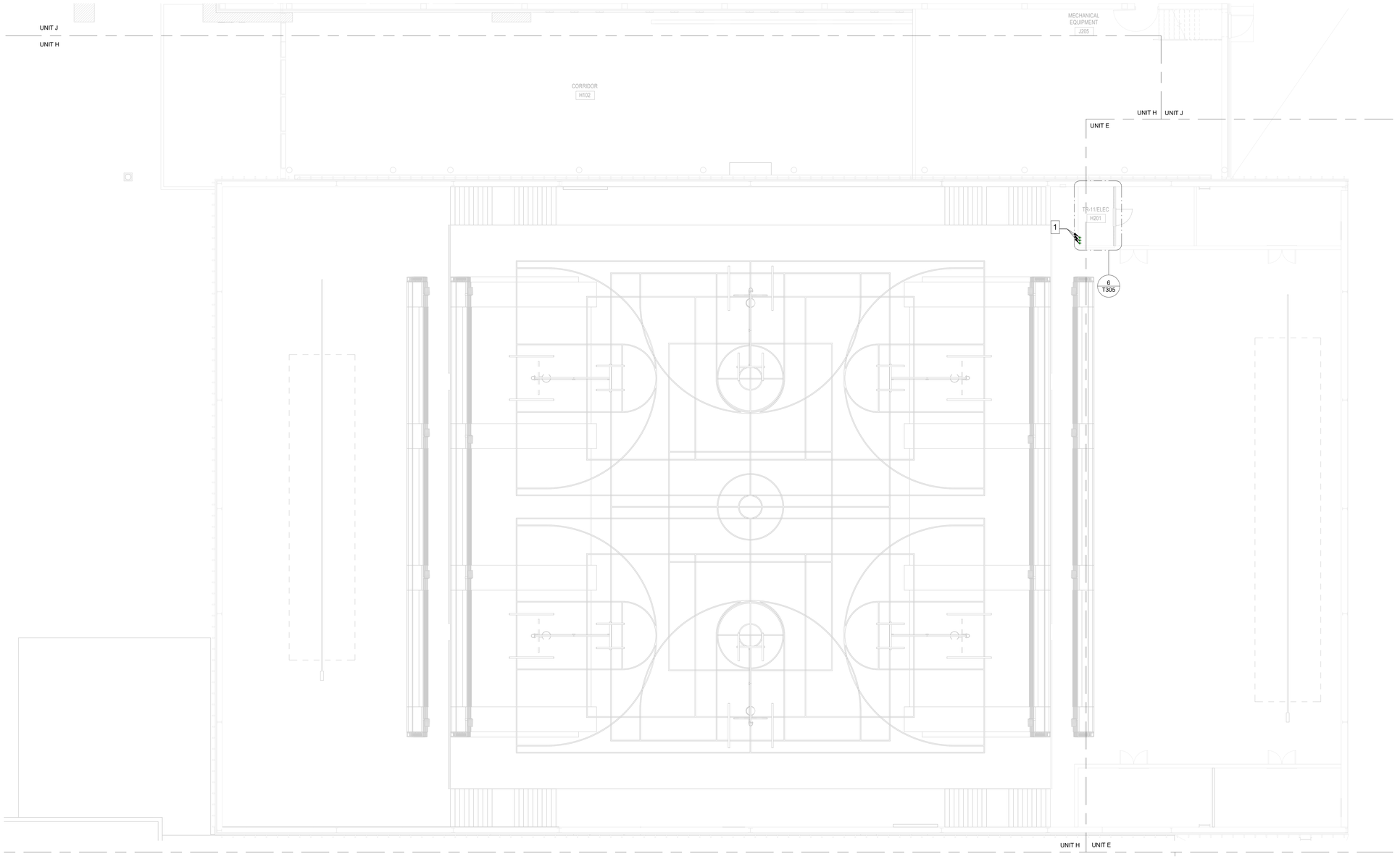
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: SECOND FLOOR DISTRIBUTION PLAN - UNIT C

SHEET: **T102C**
COMM #: 2265

1/16/2024 12:21:19 AM



1 SECOND FLOOR DISTRIBUTION PLAN - UNIT H
1/8" = 1'-0"

GENERAL PATHWAYS NOTES

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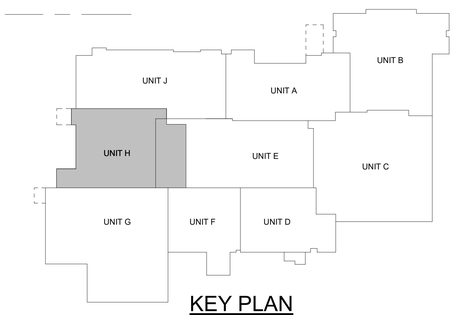
SHEET NOTES

1 RISER CONDUITS TO FLOOR BELOW.



KEY PLAN

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MEYER NAJEM
DESIGN 27 TECHNOLOGY + ACOUSTICS
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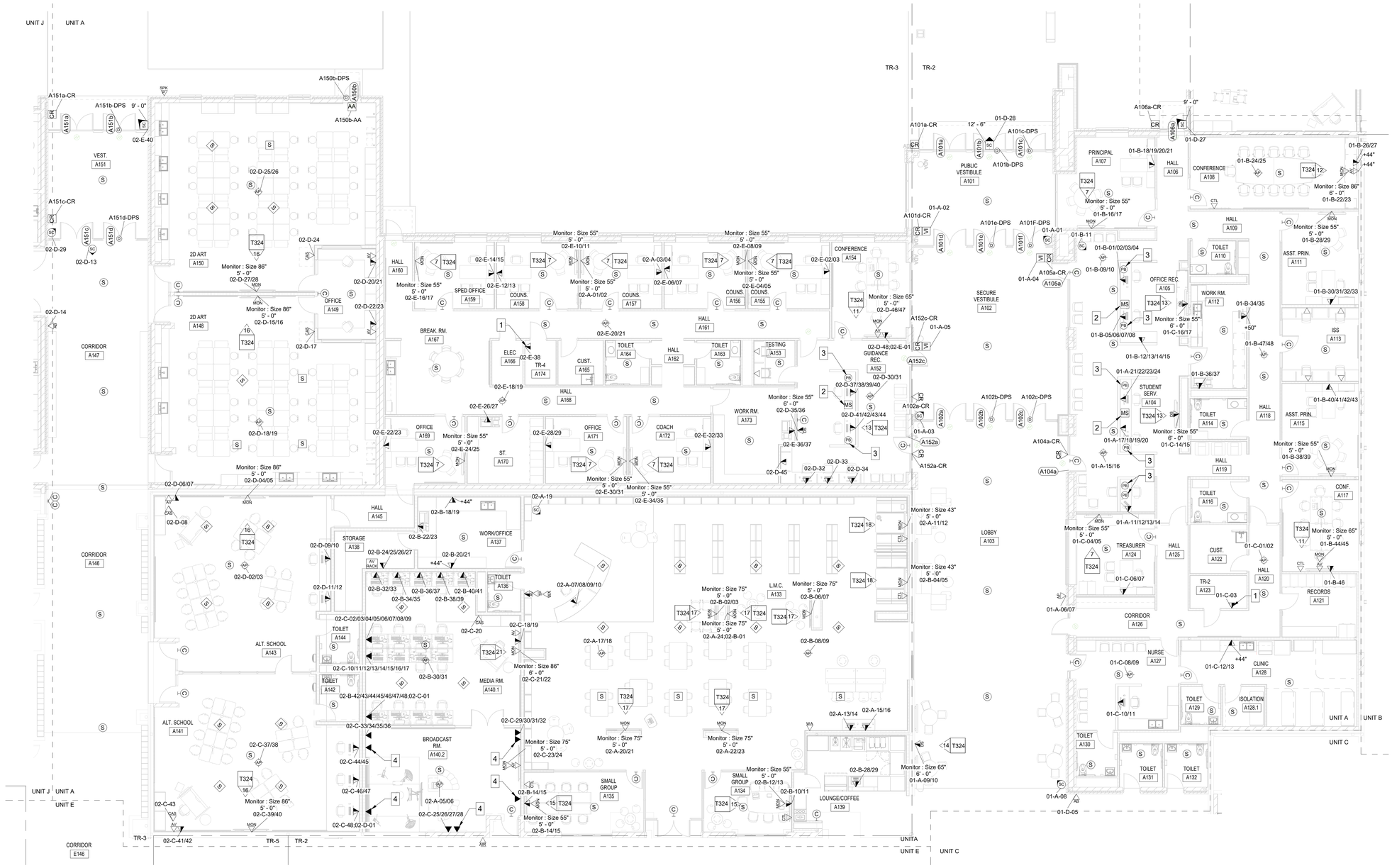
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: SECOND FLOOR DISTRIBUTION PLAN - UNIT H

SHEET: T102H
COMM #: 2265

1/16/2024 12:23 AM



1 FIRST FLOOR TECHNOLOGY PLAN - UNIT A
1/8" = 1'-0"

SHEET NOTES

1. DATA LOCATION INSTALLED ADJACENT TO ELECTRONIC ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL SUPPLY AND INSTALL CAT 6 PATCH CORD(S) FROM OUTLET TO ENCLOSURE AS REQUIRED.
2. VIDEO INTERCOM MASTER STATION LOCATION. CONTRACTOR SHALL SUPPLY AND INSTALL CAT 6 PATCH CORD FROM DEVICE TO NEAREST DATA LOCATION.
3. PANIC BUTTON LOCATION. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
4. LOCATION TO SERVE AS ROUGH-IN FOR FUTURE BROADCAST USAGE.

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
C	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
B	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
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TELECOM LEGEND

- DATA LOCATION
- DATA LOCATION - DOUBLE GANG
- DATA ROUGH-IN LOCATION
- FB — FLOOR BOX LOCATION
- AP — WIRELESS ACCESS POINT - WALL MOUNTED
- AP — WIRELESS ACCESS POINT - CEILING MOUNTED
- BR / LC — BLUETOOTH RECIEVER LOCATION
- LOUDSPEAKER JUNCTION BOX LOCATION
- BC — BLEACHER CONNNECTION LOCATION
- VID — VIDEO CONNECTION LOCATION
- DC — GAME CLOCK LOCATION
- P — CEILING MOUNTED PROJECTOR LOCATION
- PS — PROJECTION SCREEN CONTROL LOCATION
- C — CLOCK LOCATION
- C,C — DUAL SIDED CLOCK LOCATION
- DS — DIGITAL SIGNAGE LOCATION
- MON — MONITOR LOCATION
- AIR — ON AIR SIGN LOCATION
- M — MICROPHONE LOCATION - CEILING MOUNTED
- AUD — AUDIO CONNECTION LOCATION
- MIX — AUDIO MIXING LOCATION
- WA — WIRELESS MIC ANTENNA LOCATION
- TEP — TECHNICAL FACILITIES PANEL LOCATION
- AV — AV INPUT LOCATION - TYPE 1
- AV — AV INPUT LOCATION - TYPE 2
- CTL — AV CONTROL LOCATION
- AV RACK — AV EQUIPMWENT RACK
- CAM — AV CAMERA LOCATION - CEILING MOUNTED
- S — SPEAKER - PAGING - CEILING MOUNTED
- S — SPEAKER - PROGRAM - CEILING MOUNTED
- S — SPEAKER - PROGRAM - PENDANT MOUNTED
- SPK — SPEAKER - PAGING - WALL MOUNTED
- SPK — SPEAKER - PROGRAM - WALL MOUNTED
- IS — INTERCOM SPEAKER STATION LOCATION
- CAS — CLASSROOM AUDIO SYSTEM LOCATION
- TP — TOUCH PANEL LOCATION
- HA — HEARING ATTISTANCE ANTENNA LOCATION
- DBS / DBZ — DIVING RELAY SYSTEM LOCATION
- MS — VIDEO INTERCOM MASTER STATION - DESK MOUNETED
- VI — VIDEO INTERCOM DOOR STATION - WALL MOUNTED
- PB — PANIC BUTTON LOCATION
- AA — AUDIBLE ALARM LOCATION
- AB — ALERTUS BEACON LOCATION
- ES — ENVIRONMENTAL SENSOR LOCATION
- CR — CARD READER LOCATION
- CR — CARD READER LOCATION - MULLION MOUNTED
- D — DOOR POSITION SENSOR LOCATION
- SC — SECURITY CAMERA - CEILING MOUNTED
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BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
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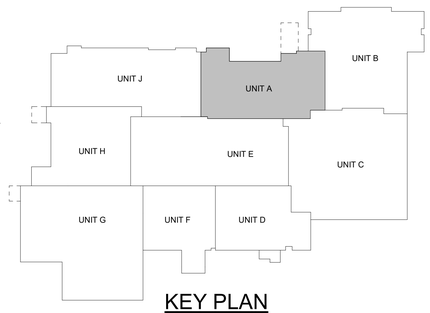
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: FIRST FLOOR TECHNOLOGY PLAN - UNIT A

SHEET: **T201A**
COMM #: 2265



KEY PLAN

1/16/2024 2:25:46 AM

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1 FIRST FLOOR TECHNOLOGY PLAN - UNIT B
1/8" = 1'-0"

KEY PLAN

UNIT A, UNIT B, UNIT C, UNIT D, UNIT E, UNIT F, UNIT G, UNIT H, UNIT J

BICSI Douglas J Driscoll BICSI ID # 123408 EXPIRES 03-31-26 RCDD

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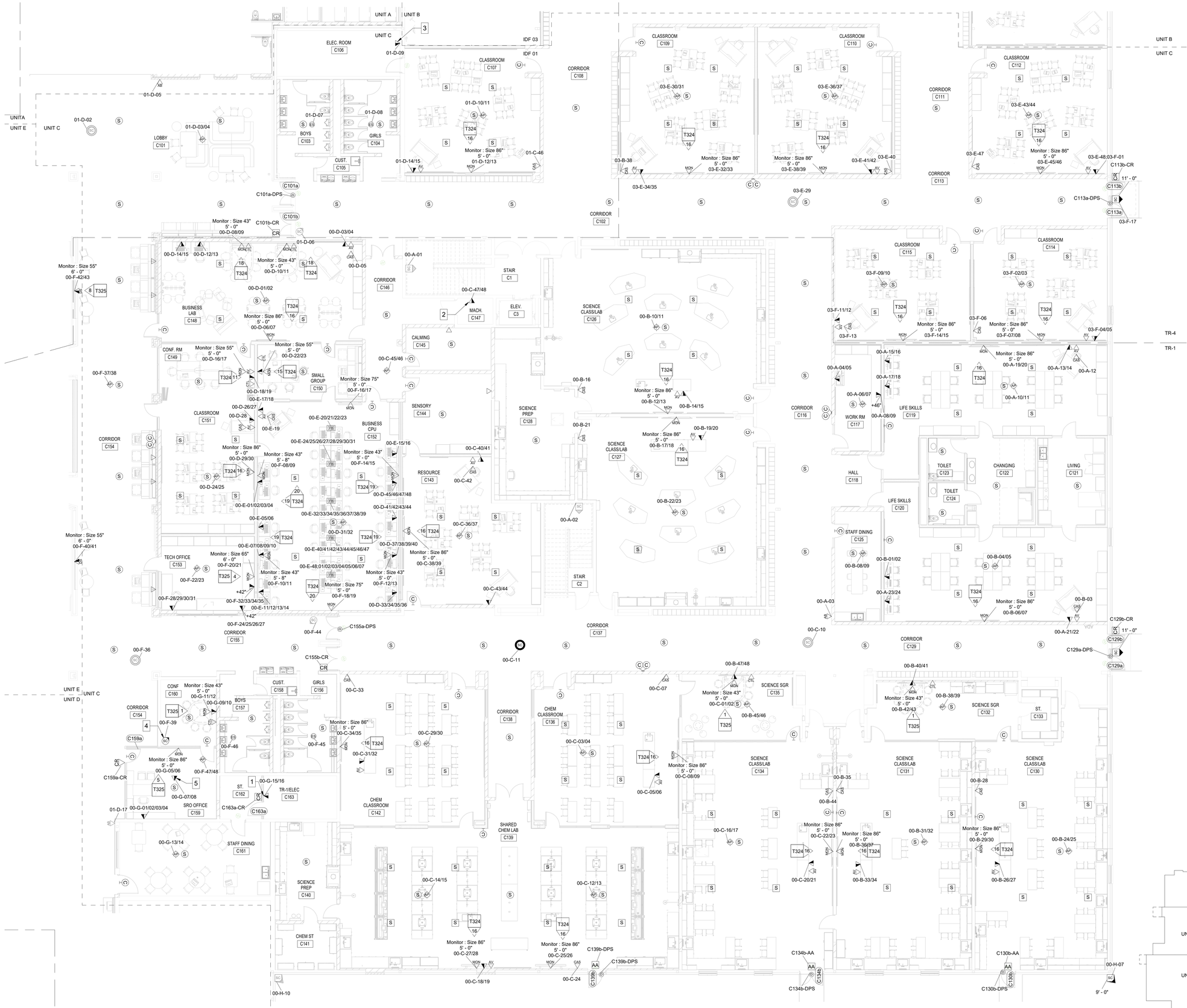
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRST FLOOR TECHNOLOGY PLAN - UNIT B
SHEET:	T201B
COMM #:	2265

1/16/2024 12:23:27 AM



1 FIRST FLOOR TECHNOLOGY PLAN - UNIT C
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

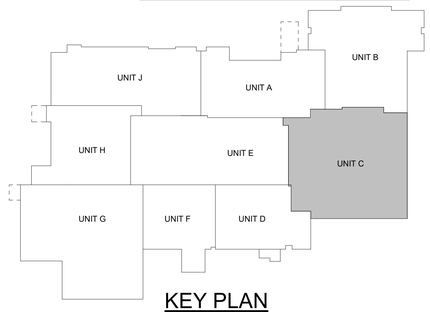
A	MINIMUM CATEGORY 6 COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
C	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
B	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

- DATA LOCATION
- DATA LOCATION - DOUBLE GANG
- DATA ROUGH-IN LOCATION
- FB FLOOR BOX LOCATION
- AP WIRELESS ACCESS POINT - WALL MOUNTED
- APC WIRELESS ACCESS POINT - CEILING MOUNTED
- BR BLUETOOTH RECIEVER LOCATION
- LJC LOUDSPEAKER JUNCTION BOX LOCATION
- BC BLEACHER CONNNECTION LOCATION
- VID VIDEO CONNECTION LOCATION
- GC GAME CLOCK LOCATION
- P CEILING MOUNTED PROJECTOR LOCATION
- PS PROJECTION SCREEN CONTROL LOCATION
- C CLOCK LOCATION
- CC DUAL SIDED CLOCK LOCATION
- DS DIGITAL SIGNAGE LOCATION
- MON MONITOR LOCATION
- AIR ON AIR SIGN LOCATION
- M MICROPHONE LOCATION - CEILING MOUNTED
- AUD AUDIO CONNECTION LOCATION
- MIX AUDIO MIXING LOCATION
- WA WIRELESS MIC ANTENNA LOCATION
- TFP TECHNICAL FACILITIES PANEL LOCATION
- AV AV INPUT LOCATION - TYPE 1
- AV AV INPUT LOCATION - TYPE 2
- CTL AV CONTROL LOCATION
- AV RACK AV EQUIPMWENT RACK
- CAM AV CAMERA LOCATION - CEILING MOUNTED
- S SPEAKER - PAGING - CEILING MOUNTED
- S SPEAKER - PROGRAM - CEILING MOUNTED
- S SPEAKER - PROGRAM - PENDANT MOUNTED
- SPK SPEAKER - PAGING - WALL MOUNTED
- SPK SPEAKER - PROGRAM - WALL MOUNTED
- IS INTERCOM SPEAKER STATION LOCATION
- CAS CLASSROOM AUDIO SYSTEM LOCATION
- TP TOUCH PANEL LOCATION
- HA HEARING ATTISTANCE ANTENNA LOCATION
- DRS DRB DIVING RELAY SYSTEM LOCATION
- MS VIDEO INTERCOM MASTER STATION - DESK MOUNETED
- VI VIDEO INTERCOM DOOR STATION - WALL MOUNTED
- PB PANIC BUTTON LOCATION
- AA AUDIBLE ALARM LOCATION
- AB ALERTUS BEACON LOCATION
- ES ENVIRONMENTAL SENSOR LOCATION
- CR CARD READER LOCATION
- CRL CARD READER LOCATION - MULLION MOUNTED
- D DOOR POSITION SENSOR LOCATION
- SC SECURITY CAMERA - CEILING MOUNTED
- SC SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION INSTALLED ADJACENT TO ELECTRONIC ACCESS CONTROL ENCLOSURE. CONTRACTOR SHALL SUPPLY AND INSTALL CAT 6 PATCH CORD(S) FROM OUTLET TO ENCLOSURE AS REQUIRED.
2. DATA LOCATION TO SERVE ELEVATOR CONTROLS. PROVIDE AND INSTALL CAT 6 PATCH CORD AS REQUIRED.
3. DATA LOCATION TO SERVE BAS CONNECTIVITY AS REQUIRED. CONFIRM FINAL LOCATION WITH ELECTRICAL CONTRACTOR CONTRACTOR SHALL PROVIDE AND INSTALL PATCH CORD(S) AS REQUIRED.
4. SECURITY CAMERA TO HAVE ONBOARD INTEGRATED MICROPHONE TURNED ON IN PROGRAMMING FOR AUDIO AND VIDEO RECORDING.
5. DATA LOCATION SHALL BE MOUNTED FLUSH WITHIN CEILING ADJACENT TO ELECTRICAL OUTLET.



KEY PLAN

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BICSI ID # 123408
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
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SHEET:	T201C
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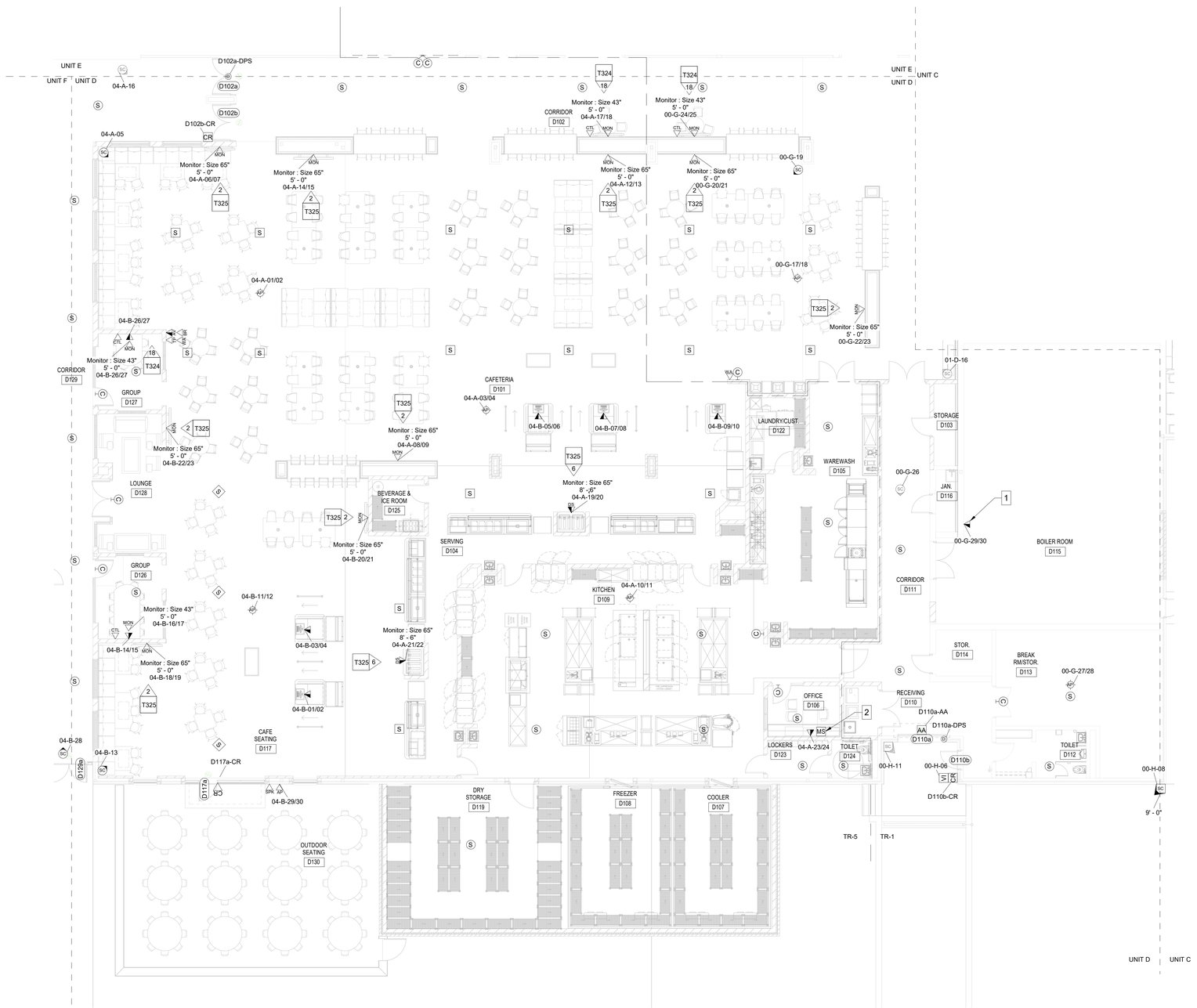
1/16/2024 12:31:6 AM



1 FIRST FLOOR TECHNOLOGY PLAN - UNIT D
1/8" = 1'-0"

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
C	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
B	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
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E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

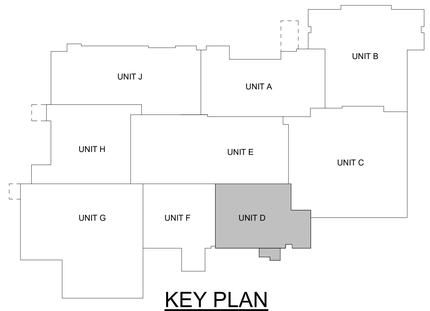
TELECOM LEGEND

- DATA LOCATION
- DATA LOCATION - DOUBLE GANG
- DATA ROUGH-IN LOCATION
- FB — FLOOR BOX LOCATION
- WAP — WIRELESS ACCESS POINT - WALL MOUNTED
- AP — WIRELESS ACCESS POINT - CEILING MOUNTED
- BR / LC — BLUETOOTH RECIEVER LOCATION
- LOUDSPEAKER JUNCTION BOX LOCATION
- BC — BLEACHER CONNNECTION LOCATION
- VID — VIDEO CONNECTION LOCATION
- GC — GAME CLOCK LOCATION
- P — CEILING MOUNTED PROJECTOR LOCATION
- PS — PROJECTION SCREEN CONTROL LOCATION
- C — CLOCK LOCATION
- C C — DUAL SIDED CLOCK LOCATION
- DS — DIGITAL SIGNAGE LOCATION
- MON — MONITOR LOCATION
- ON AIR — ON AIR SIGN LOCATION
- M — MICROPHONE LOCATION - CEILING MOUNTED
- AUD — AUDIO CONNECTION LOCATION
- MIX — AUDIO MIXING LOCATION
- WA — WIRELESS MIC ANTENNA LOCATION
- TFP — TECHNICAL FACILITIES PANEL LOCATION
- AV — AV INPUT LOCATION - TYPE 1
- AV — AV INPUT LOCATION - TYPE 2
- CTL — AV CONTROL LOCATION
- AV RACK — AV EQUIPMWENT RACK
- CAM — AV CAMERA LOCATION - CEILING MOUNTED
- S — SPEAKER - PAGING - CEILING MOUNTED
- S — SPEAKER - PROGRAM - CEILING MOUNTED
- S — SPEAKER - PROGRAM - PENDANT MOUNTED
- SPK — SPEAKER - PAGING - WALL MOUNTED
- SPK — SPEAKER - PROGRAM - WALL MOUNTED
- IS — INTERCOM SPEAKER STATION LOCATION
- CAS — CLASSROOM AUDIO SYSTEM LOCATION
- TP — TOUCH PANEL LOCATION
- HA — HEARING ATTISTANCE ANTENNA LOCATION
- DRS DRS — DIVING RELAY SYSTEM LOCATION
- MS — VIDEO INTERCOM MASTER STATION - DESK MOUNETED
- VI — VIDEO INTERCOM DOOR STATION - WALL MOUNTED
- PB — PANIC BUTTON LOCATION
- AA — AUDIBLE ALARM LOCATION
- AB — ALERTUS BEACON LOCATION
- EB — ENVIRONMENTAL SENSOR LOCATION
- CR — CARD READER LOCATION
- CR — CARD READER LOCATION - MULLION MOUNTED
- D — DOOR POSITION SENSOR LOCATION
- SC — SECURITY CAMERA - CEILING MOUNTED
- SC — SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1 DATA LOCATION TO SERVE BAS. COORDINATE FINAL LOCATION WITH GENERAL CONTRACTOR. PROVIDE AND INSTALL CAT 6 PATCH CORD AS REQUIRED.

2 VIDEO INTERCOM MASTER STATION LOCATION. CONTRACTOR SHALL SUPPLY AND INSTALL CAT 6 PATCH CORD FROM DEVICE TO NEAREST DATA LOCATION.



KEY PLAN

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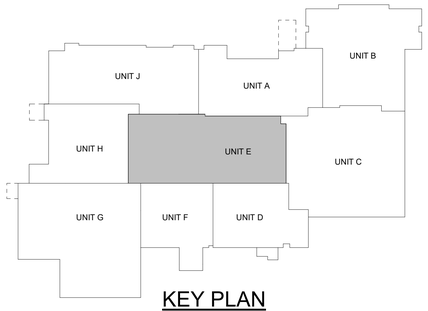
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **FIRST FLOOR TECHNOLOGY PLAN - UNIT D**

SHEET: **T201D**
COMM #: 2265

1/16/2024 2:23:30 AM



KEY PLAN

SHEET NOTES

1. 104" W x 65" H 16:10 ASPECT RATIO WALL MOUNTED ELECTRIC PROJECTION SCREEN.
2. AV RACK TO SERVE BAND ROOM.
3. AV RACK TO SERVE ENSEMBLE ROOM.
4. AV RACK TO SERVE CHOIR ROOM.
5. STAGE MOUNTED LOUDSPEAKER LOCATION. CABLING SHALL BE ROUTED TIGHT TO STAGE STRUCTURE. COORDINATE FINAL ROUTING PREFERENCE WITH OWNER.
6. 160" W x 100" H 16:10 ASPECT RATIO WALL MOUNTED ELECTRIC PROJECTION SCREEN.
7. AV EQUIPMENT RACK TO SERVE THE AUDITORIUM.
8. AV EQUIPMENT RACK TO SERVE THE LOCKER ROOM.

TELECOM LEGEND

- DATA LOCATION
- DATA LOCATION - DOUBLE GANG
- DATA ROUGH-IN LOCATION
- FLOOR BOX LOCATION
- WIRELESS ACCESS POINT - WALL MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- BLUETOOTH RECIEVER LOCATION
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- GAME CLOCK LOCATION
- CEILING MOUNTED PROJECTOR LOCATION
- PROJECTION SCREEN CONTROL LOCATION
- CLOCK LOCATION
- DUAL SIDED CLOCK LOCATION
- DIGITAL SIGNAGE LOCATION
- MONITOR LOCATION
- ON AIR SIGN LOCATION
- MICROPHONE LOCATION - CEILING MOUNTED
- AUDIO CONNECTION LOCATION
- AUDIO MIXING LOCATION
- WIRELESS MIC ANTENNA LOCATION
- TECHNICAL FACILITIES PANEL LOCATION
- AV INPUT LOCATION - TYPE 1
- AV INPUT LOCATION - TYPE 2
- AV CONTROL LOCATION
- AV EQUIPMWENT RACK
- AV CAMERA LOCATION - CEILING MOUNTED
- SPEAKER - PAGING - CEILING MOUNTED
- SPEAKER - PROGRAM - CEILING MOUNTED
- SPEAKER - PROGRAM - PENDANT MOUNTED
- SPEAKER - PAGING - WALL MOUNTED
- SPEAKER - PROGRAM - WALL MOUNTED
- INTERCOM SPEAKER STATION LOCATION
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- TOUCH PANEL LOCATION
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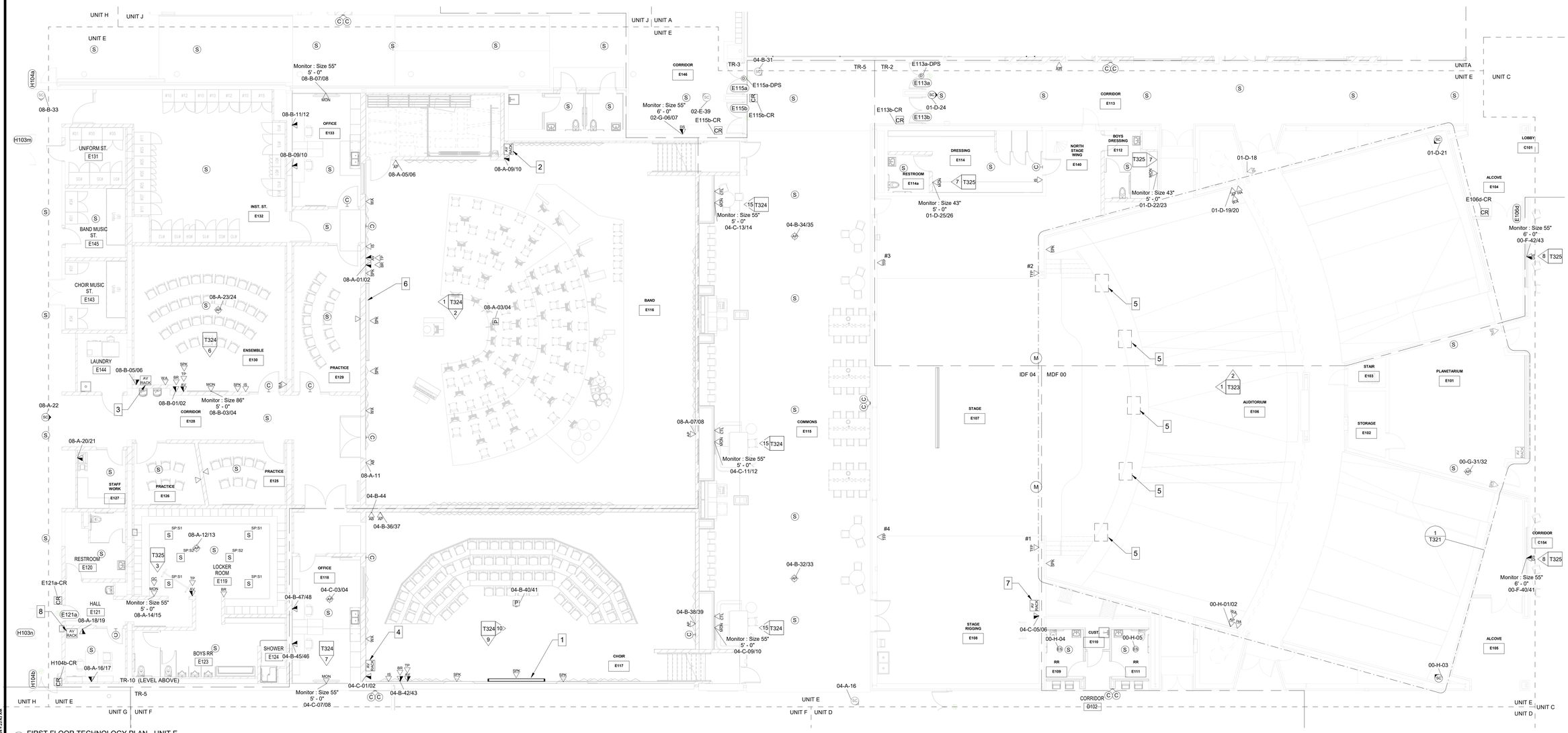

1 FIRST FLOOR TECHNOLOGY PLAN - UNIT E
1/8" = 1'-0"

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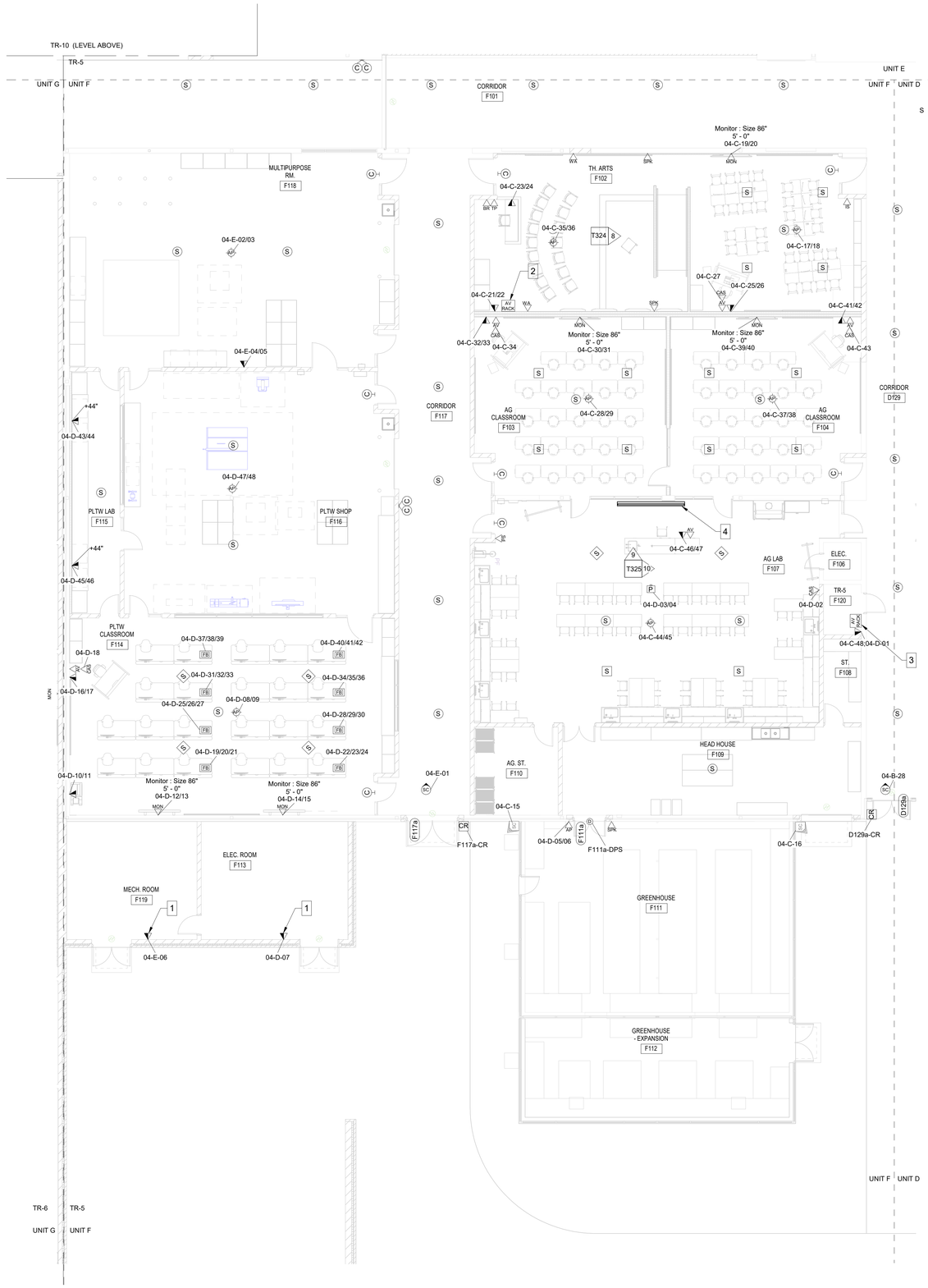

1 FIRST FLOOR TECHNOLOGY PLAN - UNIT F
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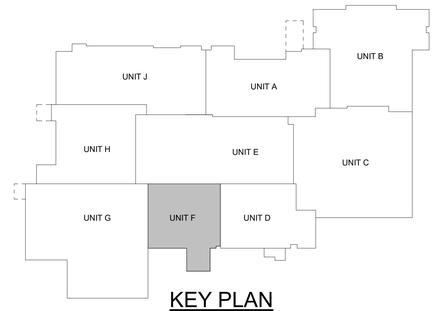
- SC — SECURITY CAMERA - CEILING MOUNTED
- SC — SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1. DATA LOCATION TO SERVE BAS. COORDINATE FINAL LOCATION WITH GENERAL CONTRACTOR. PROVIDE AND INSTALL CAT 6 PATCH CORD AS REQUIRED.
2. AV RACK TO SERVE THE ARTS ROOM F102.
3. AV RACK TO SERVE THE CAFETERIA.
4. 65" H x 104" W CEILING MOUNTED MANUAL PROJECTION SCREEN.



KEY PLAN

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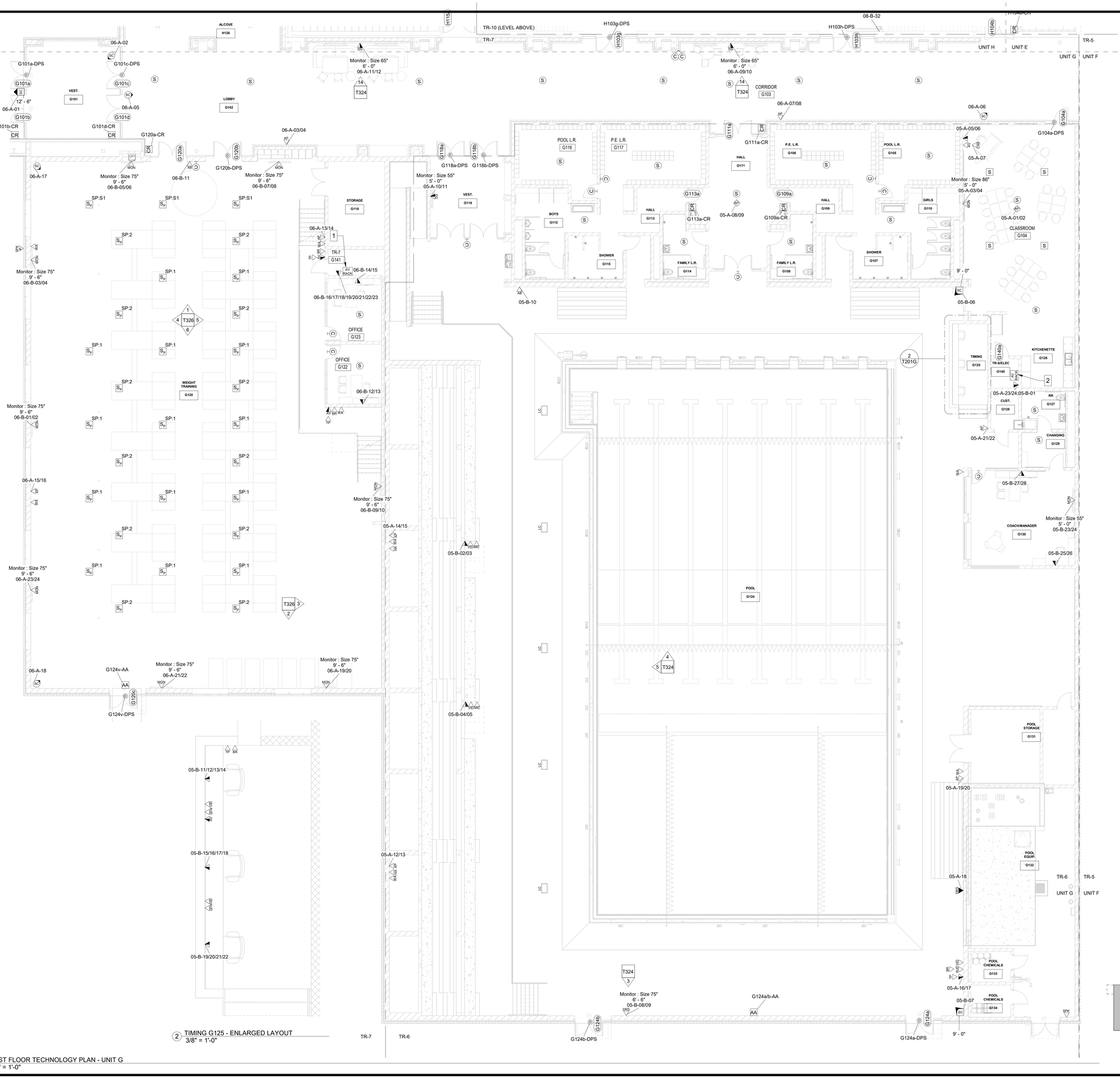
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: FIRST FLOOR TECHNOLOGY PLAN - UNIT F

SHEET: T201F
COMM #: 2265

1/16/2024 2:23:32 AM



2 TIMING G125 - ENLARGED LAYOUT
3/8" = 1'-0"

1 FIRST FLOOR TECHNOLOGY PLAN - UNIT G
1/8" = 1'-0"

11/4/2024 2:34:02 AM

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
C	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
B	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
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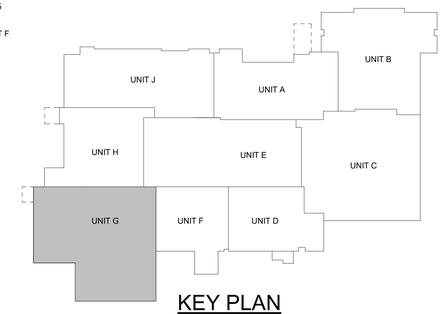
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TELECOM LEGEND

- DATA LOCATION
- DATA LOCATION - DOUBLE GANG
- DATA ROUGH-IN LOCATION
- FB — FLOOR BOX LOCATION
- AP — WIRELESS ACCESS POINT - WALL MOUNTED
- AAP — WIRELESS ACCESS POINT - CEILING MOUNTED
- BR / LSP — BLUETOOTH RECIEVER LOCATION
- LSP — LOUDSPEAKER JUNCTION BOX LOCATION
- BC — BLEACHER CONNNECTION LOCATION
- VID — VIDEO CONNECTION LOCATION
- GC — GAME CLOCK LOCATION
- P — CEILING MOUNTED PROJECTOR LOCATION
- PS — PROJECTION SCREEN CONTROL LOCATION
- C — CLOCK LOCATION
- C C — DUAL SIDED CLOCK LOCATION
- DS — DIGITAL SIGNAGE LOCATION
- MON — MONITOR LOCATION
- AIR — ON AIR SIGN LOCATION
- M — MICROPHONE LOCATION - CEILING MOUNTED
- AUD — AUDIO CONNECTION LOCATION
- MIX — AUDIO MIXING LOCATION
- WA — WIRELESS MIC ANTENNA LOCATION
- TFP — TECHNICAL FACILITIES PANEL LOCATION
- AV — AV INPUT LOCATION - TYPE 1
- AV — AV INPUT LOCATION - TYPE 2
- CTL — AV CONTROL LOCATION
- AV RACK — AV EQUIPMWENT RACK
- CAM — AV CAMERA LOCATION - CEILING MOUNTED
- S — SPEAKER - PAGING - CEILING MOUNTED
- S — SPEAKER - PROGRAM - CEILING MOUNTED
- S — SPEAKER - PROGRAM - PENDANT MOUNTED
- SPK — SPEAKER - PAGING - WALL MOUNTED
- SPK — SPEAKER - PROGRAM - WALL MOUNTED
- IS — INTERCOM SPEAKER STATION LOCATION
- CAS — CLASSROOM AUDIO SYSTEM LOCATION
- TP — TOUCH PANEL LOCATION
- HA — HEARING ATTISTANCE ANTENNA LOCATION
- DRB DRS — DIVING RELAY SYSTEM LOCATION
- MS — VIDEO INTERCOM MASTER STATION - DESK MOUNETED
- VI — VIDEO INTERCOM DOOR STATION - WALL MOUNTED
- PB — PANIC BUTTON LOCATION
- AA — AUDIBLE ALARM LOCATION
- AB — ALERTUS BEACON LOCATION
- ES — ENVIRONMENTAL SENSOR LOCATION
- CR — CARD READER LOCATION
- CR — CARD READER LOCATION - MULLION MOUNTED
- D — DOOR POSITION SENSOR LOCATION
- SC — SECURITY CAMERA - CEILING MOUNTED
- SC — SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

1 AV RACK AND DATA TO SERVE WEIGHT ROOM.
2 AV RACK AND DATA TO SERVE THE POOL.



KEY PLAN

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Douglas J Driscoll
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	FIRST FLOOR TECHNOLOGY PLAN - UNIT G

SHEET: **T201G**
COMM #: 2265

SHEET NOTES

1. VIDEO INTERCOM MASTER STATION LOCATION. CONTRACTOR SHALL SUPPLY AND INSTALL CAT 6 PATCH CORD FROM DEVICE TO NEAREST DATA LOCATION.
2. PANIC BUTTON LOCATION. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
3. AV RACK TO SERVE GIRLS BB LOCKER ROOM.
4. AV RACK TO SERVE VB LOCKER ROOM.
5. AUDIO INPUT PLATE TO BE INSTALLED IN FRONT BOTTOM KICKPLATE OF BLEACHERS. COORDINATE WITH GENERAL CONTRACTOR AND BLEACHER MANUFACTURER.
6. DATA LOCATION PLATE TO BE INSTALLED IN FRONT BOTTOM KICKPLATE OF BLEACHERS. COORDINATE WITH GENERAL CONTRACTOR AND BLEACHER MANUFACTURER.
7. COORDINATE FINAL CABLE ROUTING THROUGH BLEACHER SYSTEM WITH GENERAL CONTRACTOR AND BLEACHER MANUFACTURER.
8. CONTRACTOR SHALL FISH CABLE THROUGH EXISTING STOREFRONT FOR BASE BID. DOORS WILL BE REPLACED AS AN ALTERNATE. REFERENCE ARCHITECTURAL DOCUMENTATION FOR ADDITIONAL INFORMATION.
9. NEW COLUMN SHALL BE PROVIDED UNDER ALTERNATE FOR VIDEO INTERCOM TO BE MOUNTED TO. UNDER BASE BID, VIDEO INTERCOM SHALL BE INSTALLED WITHIN EXISTING DOOR FRAME ADJACENT TO CARD READER. REFERENCE ARCHITECTURAL DOCUMENTATION FOR ADDITIONAL INFORMATION.

GENERAL HORIZONTAL CABLING NOTES

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E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
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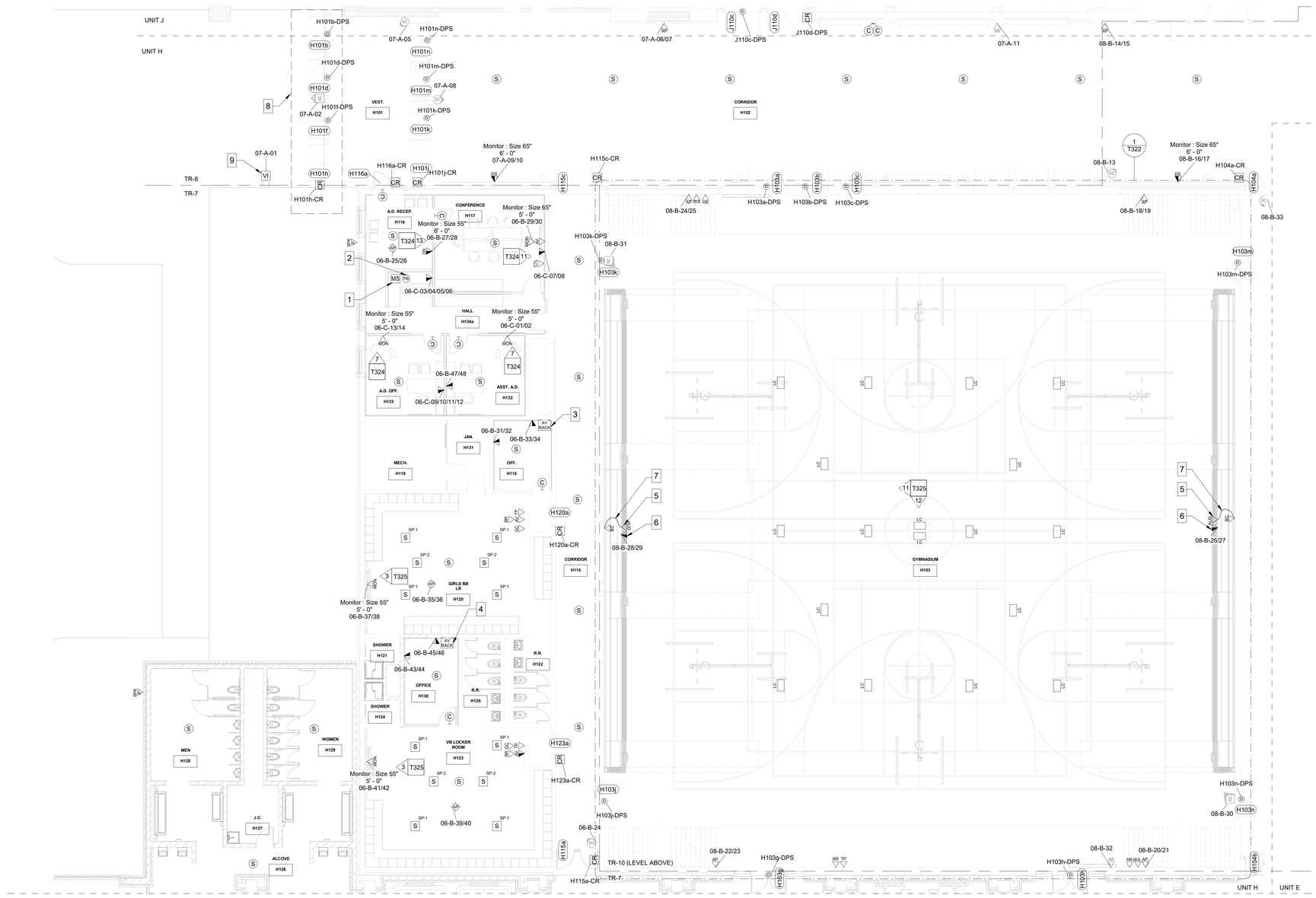

1 FIRST FLOOR TECHNOLOGY PLAN - UNIT H
1/8" = 1'-0"

TELECOM LEGEND

- DATA LOCATION
- DATA LOCATION - DOUBLE GANG
- DATA ROUGH-IN LOCATION
- FB — FLOOR BOX LOCATION
- AP — WIRELESS ACCESS POINT - WALL MOUNTED
- AP — WIRELESS ACCESS POINT - CEILING MOUNTED
- BR / LC — BLUETOOTH RECIEVER LOCATION
- LC — LOUDSPEAKER JUNCTION BOX LOCATION
- BC — BLEACHER CONNNECTION LOCATION
- VID — VIDEO CONNECTION LOCATION
- GC — GAME CLOCK LOCATION
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- C C — DUAL SIDED CLOCK LOCATION
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- TFP — TECHNICAL FACILITIES PANEL LOCATION
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- AV — AV INPUT LOCATION - TYPE 2
- CTL — AV CONTROL LOCATION
- AV RACK — AV EQUIPMWENT RACK
- CAM — AV CAMERA LOCATION - CEILING MOUNTED
- S — SPEAKER - PAGING - CEILING MOUNTED
- S — SPEAKER - PROGRAM - CEILING MOUNTED
- S — SPEAKER - PROGRAM - PENDANT MOUNTED
- SPK WP — SPEAKER - PAGING - WALL MOUNTED
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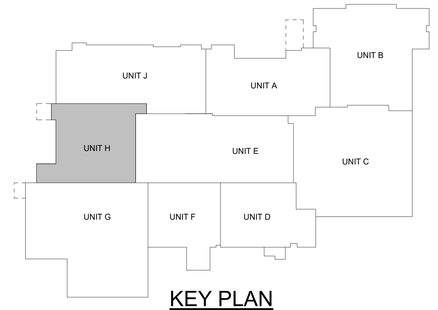

KEY PLAN

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **FIRST FLOOR TECHNOLOGY PLAN - UNIT H**

SHEET: **T201H**
COMM #: 2265

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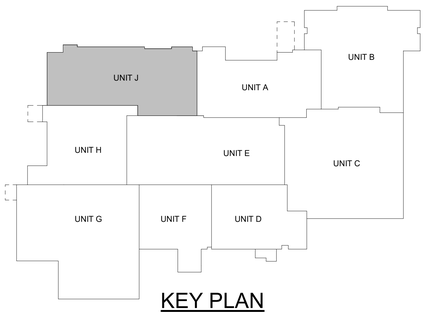

KEY PLAN

TELECOM LEGEND

DATA LOCATION	AV INPUT LOCATION - TYPE 2
DATA LOCATION - DOUBLE GANG	AV CONTROL LOCATION
DATA ROUGH-IN LOCATION	AV EQUIPMWENT RACK
FLOOR BOX LOCATION	AV CAMERA LOCATION - CEILING MOUNTED
WIRELESS ACCESS POINT - WALL MOUNTED	SPEAKER - PAGING - CEILING MOUNTED
WIRELESS ACCESS POINT - CEILING MOUNTED	SPEAKER - PROGRAM - CEILING MOUNTED
BLUETOOTH RECIEVER LOCATION	SPEAKER - PROGRAM - PENDANT MOUNTED
LOUDSPEAKER JUNCTION BOX LOCATION	SPEAKER - PAGING - WALL MOUNTED
BLEACHER CONNNECTION LOCATION	SPEAKER - PROGRAM - WALL MOUNTED
VIDEO CONNECTION LOCATION	INTERCOM SPEAKER STATION LOCATION
GAME CLOCK LOCATION	CLASSROOM AUDIO SYSTEM LOCATION
CEILING MOUNTED PROJECTOR LOCATION	TOUCH PANEL LOCATION
PROJECTION SCREEN CONTROL LOCATION	HEARING ATTISTANCE ANTENNA LOCATION
CLOCK LOCATION	DIVING RELAY SYSTEM LOCATION
DUAL SIDED CLOCK LOCATION	VIDEO INTERCOM MASTER STATION - DESK MOUNETED
DIGITAL SIGNAGE LOCATION	VIDEO INTERCOM DOOR STATION - WALL MOUNTED
MONITOR LOCATION	PANIC BUTTON LOCATION
ON AIR SIGN LOCATION	AUDIBLE ALARM LOCATION
MICROPHONE LOCATION - CEILING MOUNTED	ALERTUS BEACON LOCATION
AUDIO CONNECTION LOCATION	ENVIRONMENTAL SENSOR LOCATION
AUDIO MIXING LOCATION	CARD READER LOCATION
WIRELESS MIC ANTENNA LOCATION	DOOR POSITION SENSOR LOCATION
TECHNICAL FACILITIES PANEL LOCATION	SECURITY CAMERA - CEILING MOUNTED
AV INPUT LOCATION - TYPE 1	SECURITY CAMERA - WALL MOUNTED

GENERAL HORIZONTAL CABLING NOTES

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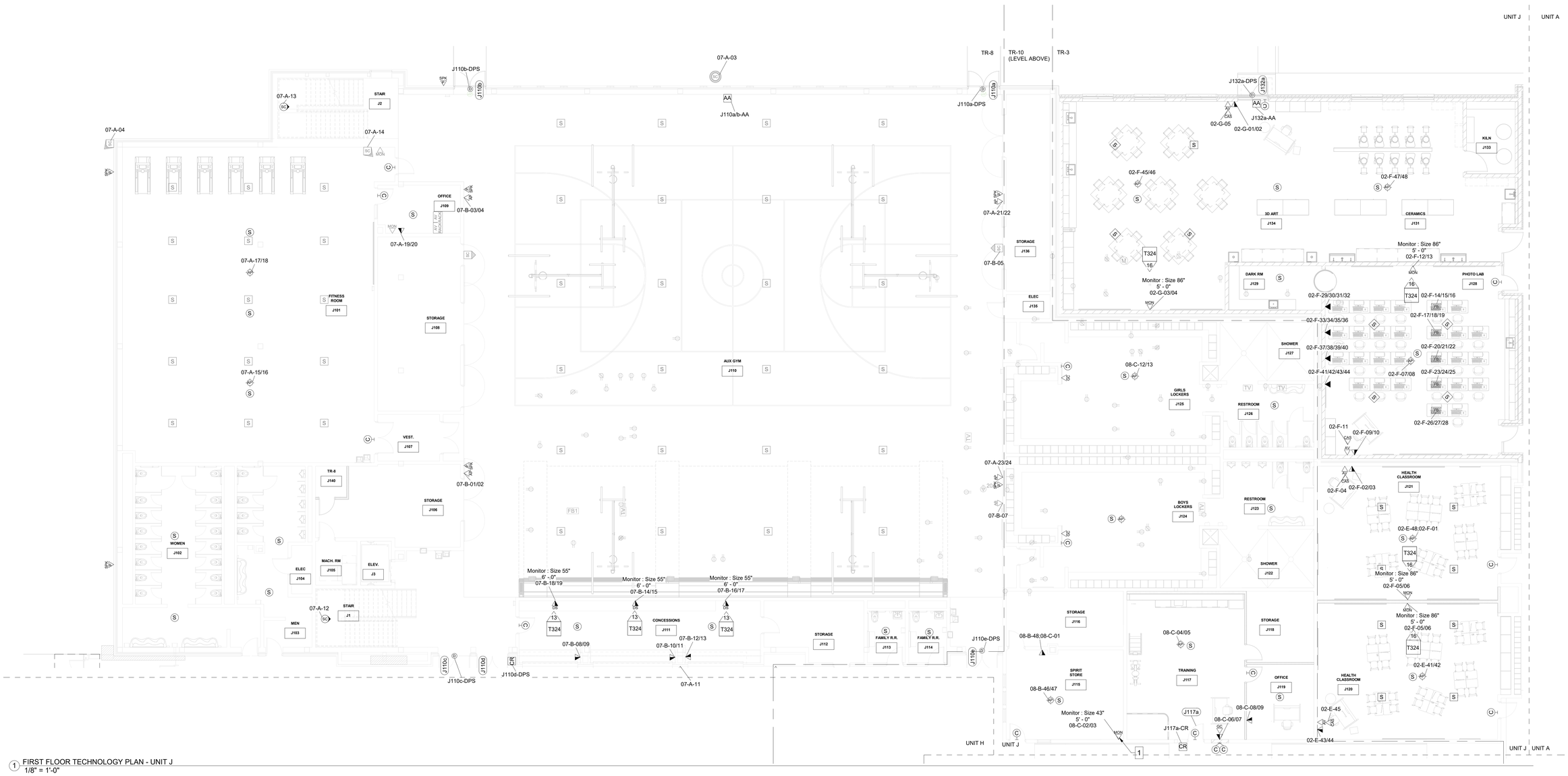
SHEET NOTES

1 MONITOR LOCATION SHALL BE CEILING MOUNTED. REFER TO DETAIL 5/T403 FOR ADDITIONAL INFORMATION.



1 FIRST FLOOR TECHNOLOGY PLAN - UNIT J
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **FIRST FLOOR TECHNOLOGY PLAN - UNIT J**

SHEET: **T201J**
COMM #: **2265**

1/16/2024 2:24:24 AM

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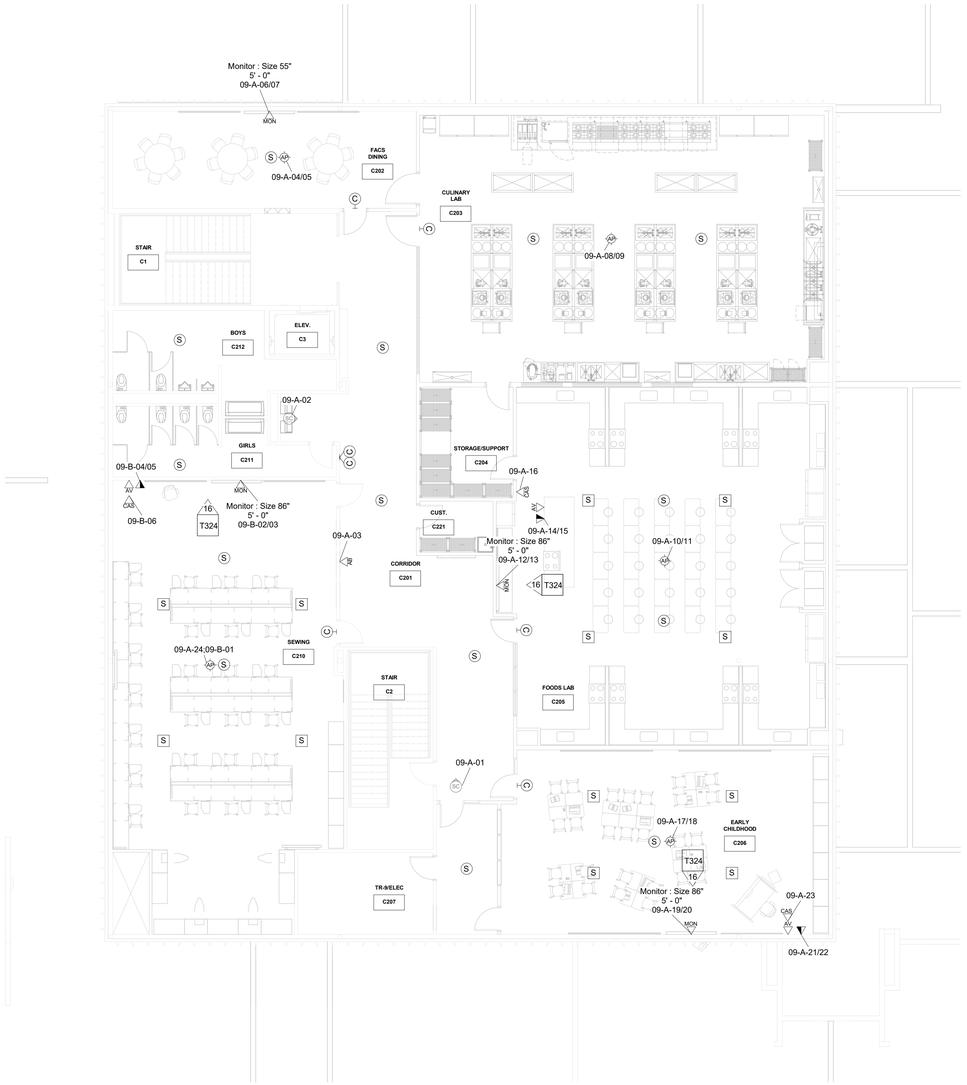

1 SECOND FLOOR TECHNOLOGY PLAN - UNIT C
1/8" = 1'-0"

TELECOM LEGEND

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- DATA ROUGH-IN LOCATION
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- AB — ALERTUS BEACON LOCATION
- ES — ENVIRONMENTAL SENSOR LOCATION
- CR — CARD READER LOCATION
- CR — CARD READER LOCATION - MULLION MOUNTED
- D — DOOR POSITION SENSOR LOCATION
- SC — SECURITY CAMERA - CEILING MOUNTED
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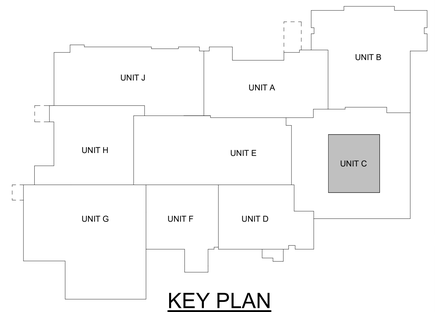

KEY PLAN

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: SECOND FLOOR TECHNOLOGY PLAN - UNIT C

SHEET: T202C
COMM #: 2265

1/16/2024 2:24:24 AM

GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
C	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
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E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
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- DATA LOCATION - DOUBLE GANG
- DATA ROUGH-IN LOCATION
- FB — FLOOR BOX LOCATION
- WAP — WIRELESS ACCESS POINT - WALL MOUNTED
- WAP — WIRELESS ACCESS POINT - CEILING MOUNTED
- BR — BLUETOOTH RECIEVER LOCATION
- LJC — LOUDSPEAKER JUNCTION BOX LOCATION
- BC — BLEACHER CONNNECTION LOCATION
- VID — VIDEO CONNECTION LOCATION
- GC — GAME CLOCK LOCATION
- P — CEILING MOUNTED PROJECTOR LOCATION
- PS — PROJECTION SCREEN CONTROL LOCATION
- C — CLOCK LOCATION
- C C — DUAL SIDED CLOCK LOCATION
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- OAS — ON AIR SIGN LOCATION
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- AV — AV INPUT LOCATION - TYPE 2
- CTL — AV CONTROL LOCATION
- AV RACK — AV EQUIPMWENT RACK
- CAM — AV CAMERA LOCATION - CEILING MOUNTED
- S — SPEAKER - PAGING - CEILING MOUNTED
- S — SPEAKER - PROGRAM - CEILING MOUNTED
- S — SPEAKER - PROGRAM - PENDANT MOUNTED
- SPK — SPEAKER - PAGING - WALL MOUNTED
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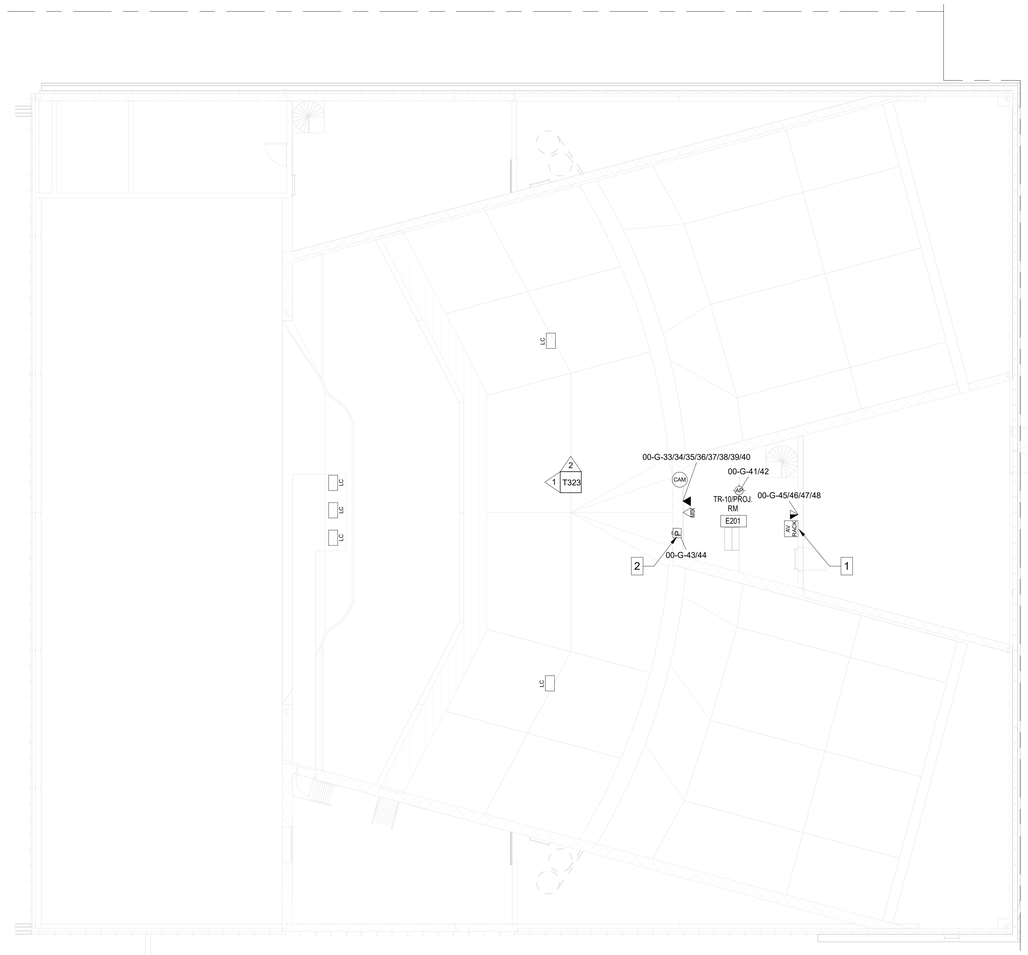
SHEET NOTES

1 AV EQUIPMENT RACK TO SERVE AUDITORIUM E106

2 PROJECTOR MOUNTED TO CEILING OF CONTROL ROOM OPENING. REUTILIZE EXISTING PATHWAYS AS REQUIRED FOR CABLING AND POWER.



1 SECOND FLOOR TECHNOLOGY PLAN - UNIT E
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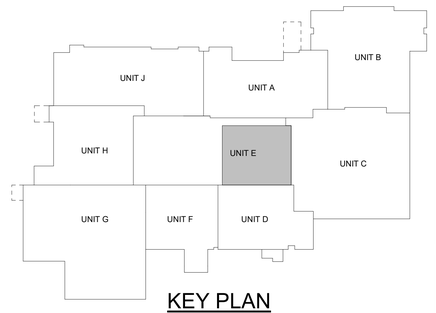

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
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DATE: JANUARY 16, 2024
SHEET NAME: SECOND FLOOR TECHNOLOGY PLAN - UNIT E

SHEET: T202E
COMM #: 2265

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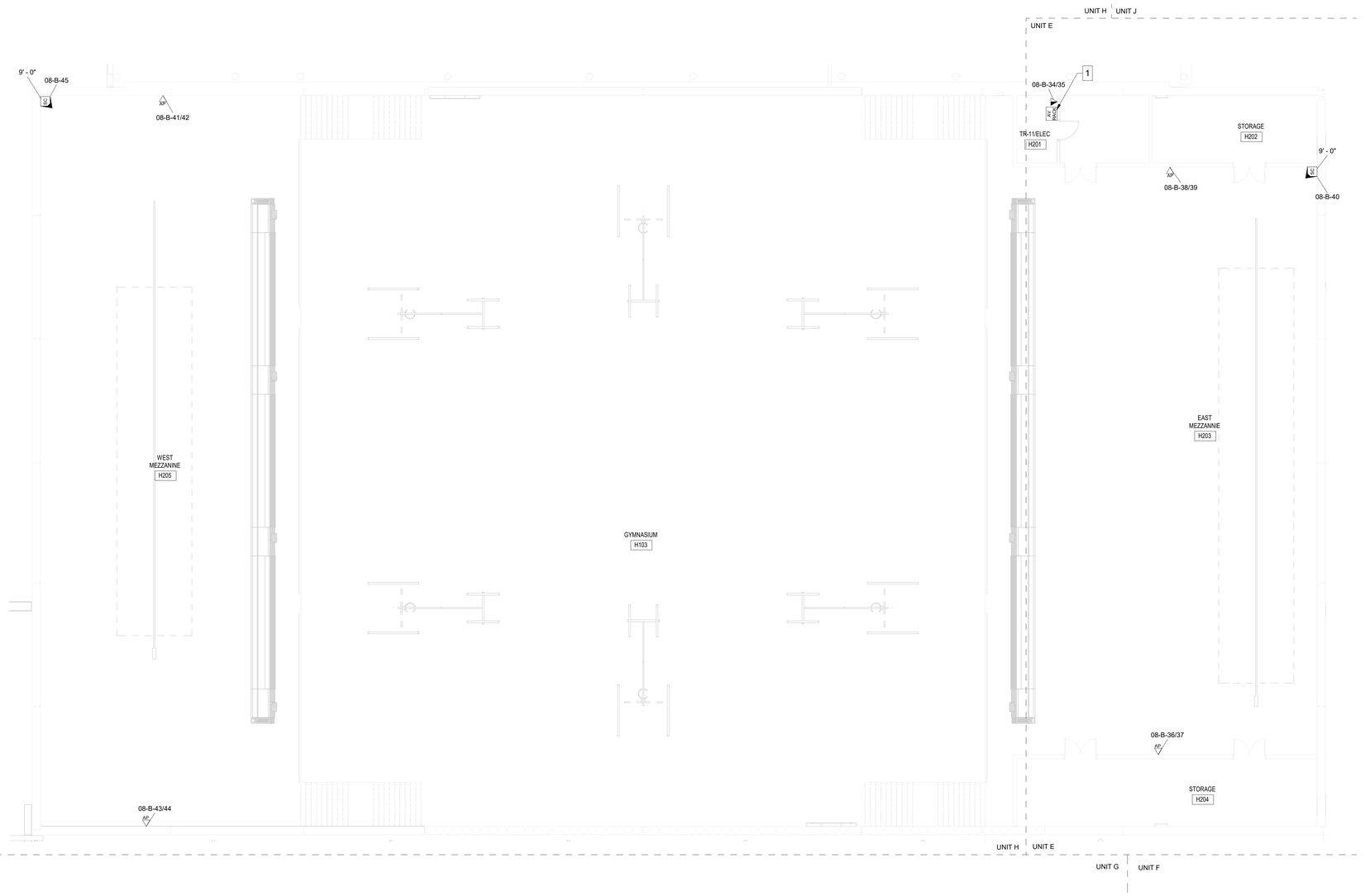

1 SECOND FLOOR TECHNOLOGY PLAN - UNIT H
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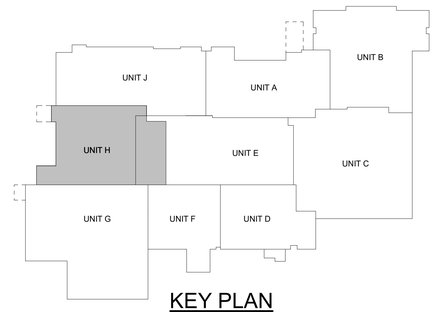
SHEET NOTES

1 AV EQUIPMENT RACK TO SERVE MAIN GYMNASIUM H103.



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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

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DRAWN BY: SRH
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SHEET: T202H
COMM #: 2265

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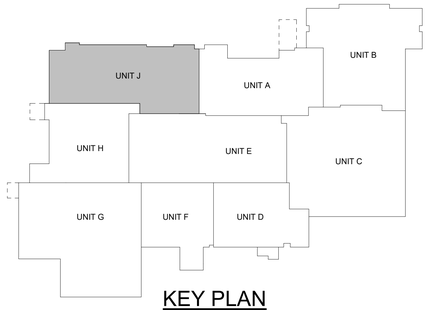

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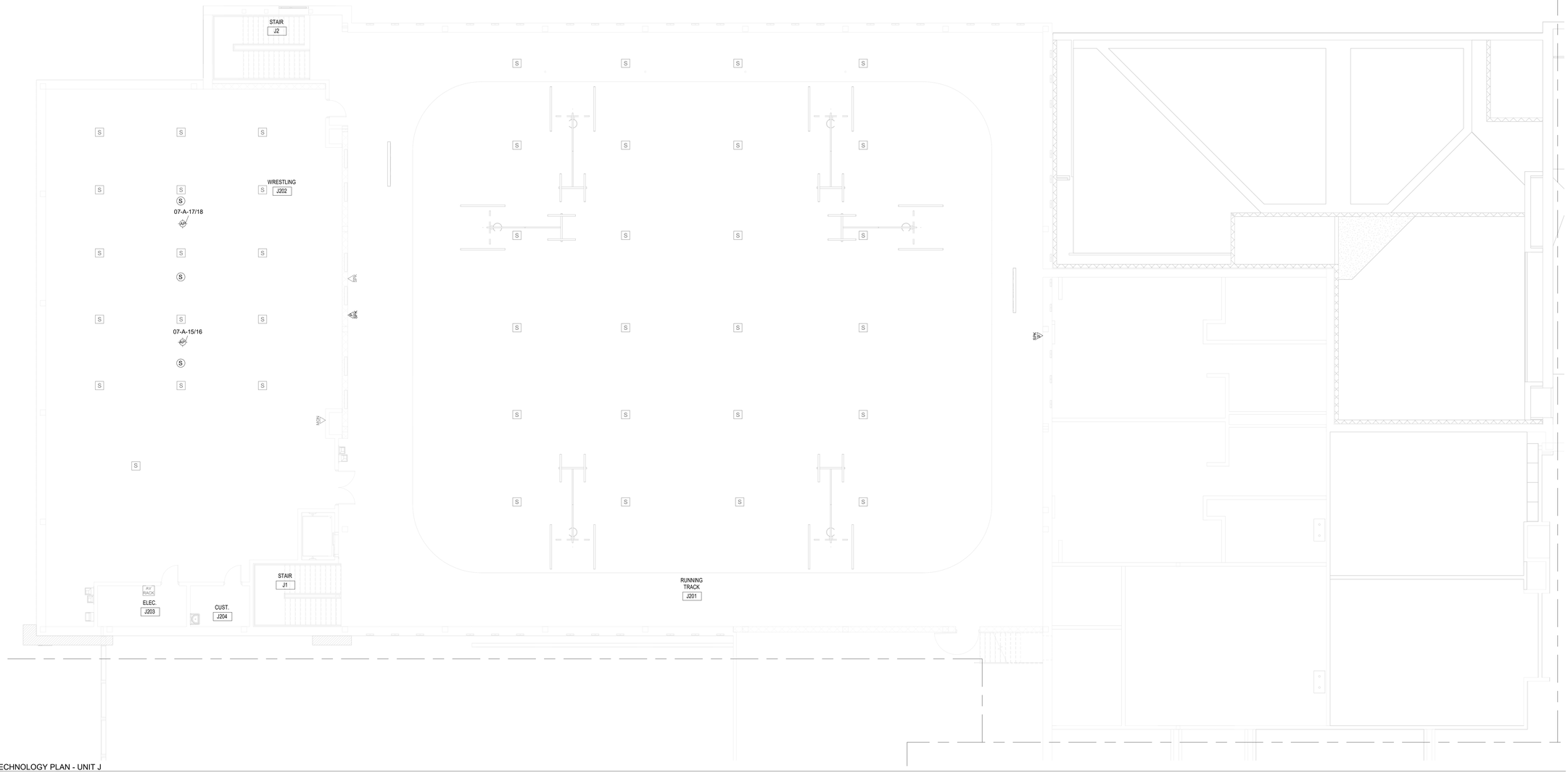

1 SECOND FLOOR TECHNOLOGY PLAN - UNIT J
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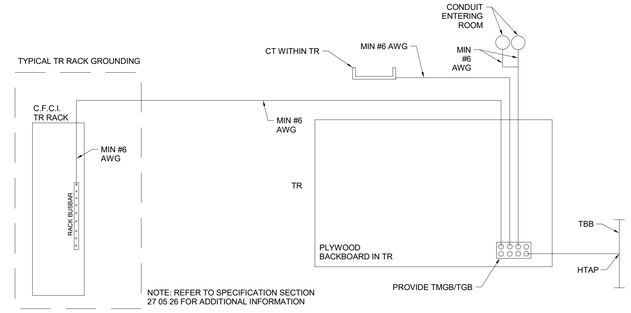

1 TELECOM TYPICAL GROUND DETAIL
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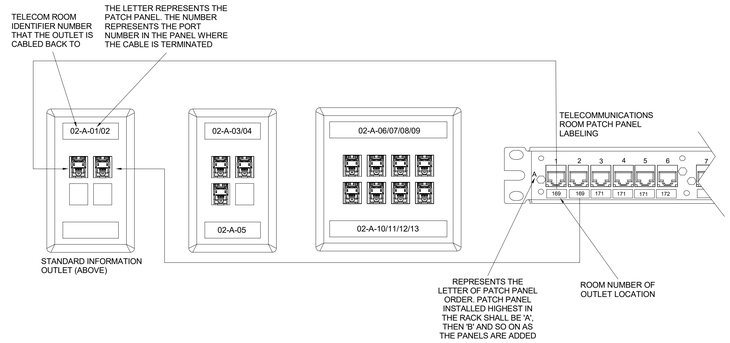

2 TYPICAL DEVICE LABELING DETAIL
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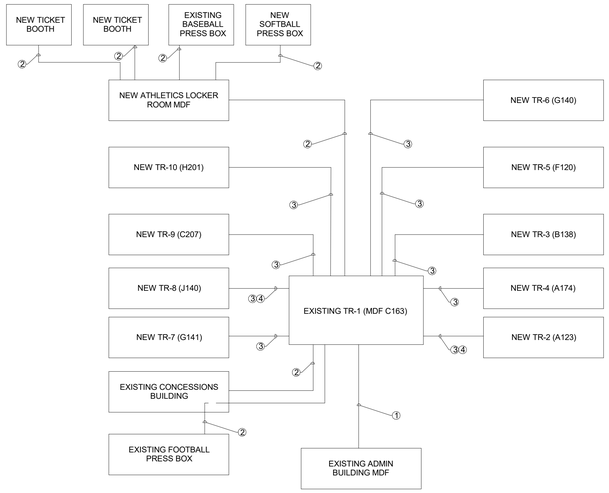


3 TELECOM RISER CABLING DIAGRAM
N.T.S.

(#) RISER LEGEND: (THIS DETAIL)

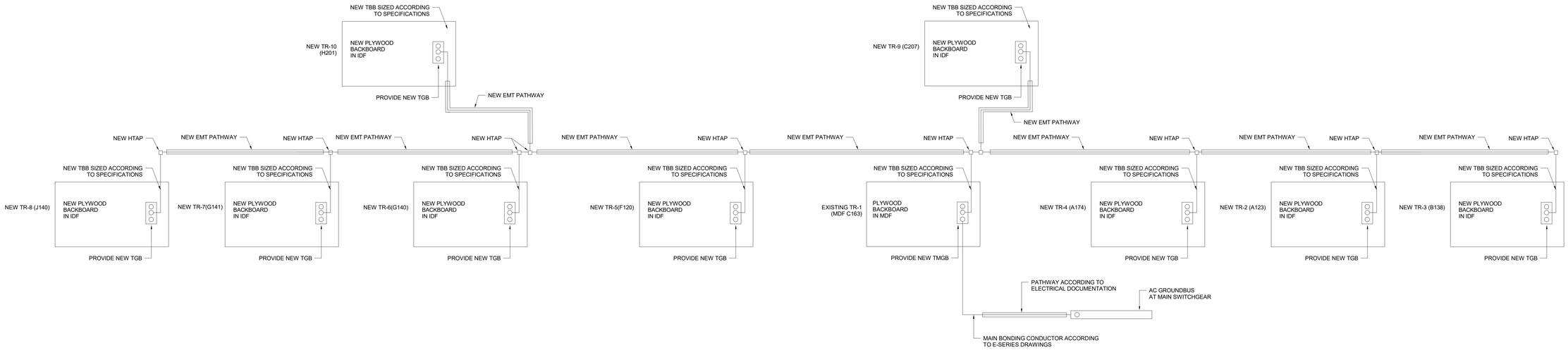
1. EXISTING OSP FIBER OPTIC CABLING TO REMAIN.
2. NEW O.F.O.I. FIBER OPTIC / COPPER CABLING.
3. NEW 12 STRANDS OM4 MULTIMODE FIBER OPTIC CABLING.
4. NEW ONE (1) 4 PAIR MIN. 24 AWG CATEGORY 6 COPPER RISER CABLE.

RISER NOTES (THIS DETAIL)

1. UNLESS OTHERWISE NOTED, RISER TERMINATIONS SHALL BE AS FOLLOWS:

A] MULTI MODE FIBER OPTIC CABLE WILL BE TERMINATED IN PATCH PANELS WITHIN FIBER ENCLOSURES IN THE RACKS AT EACH END.
B] UTP COPPER (VOICE) BACKBONE CABLES SHALL TERMINATE IN PATCH PANELS IN RACKS AT EACH END

2. RISER CABLES ENTERING MDF AND TELECOMMUNICATIONS ROOM(S) SHALL CONTINUE WITHIN EACH ROOM TO THEIR SPECIFIED TERMINATION POINT WITH ADEQUATE SERVICE LOOP.
3. CONTRACTOR SHALL CONFIRM RISER CABLE LABELING WITH OWNER PRIOR TO INSTALLATION. LABELING SHALL BE CLEARLY PRINTED ON ENCLOSURE/PATCH PANEL AND CABLING.
4. FIBER LABELING AT A MINIMUM SHALL CLARIFY THE TYPE OF FIBER OPTIC CABLE. THE STRAND QUANTITY, AND THE LOCATION (ROOM #, RACK #, AND ENCLOSURE LABEL) OF ORIGIN OR DESTINATION.
5. COPPER RISER LABELING AT A MINIMUM SHALL CLARIFY THE STRAND QUANTITY AND THE LOCATION (ROOM #, RACK #, AND ENCLOSURE LABEL) OF ORIGIN OR DESTINATION.



4 TELECOM GROUND RISER DETAIL
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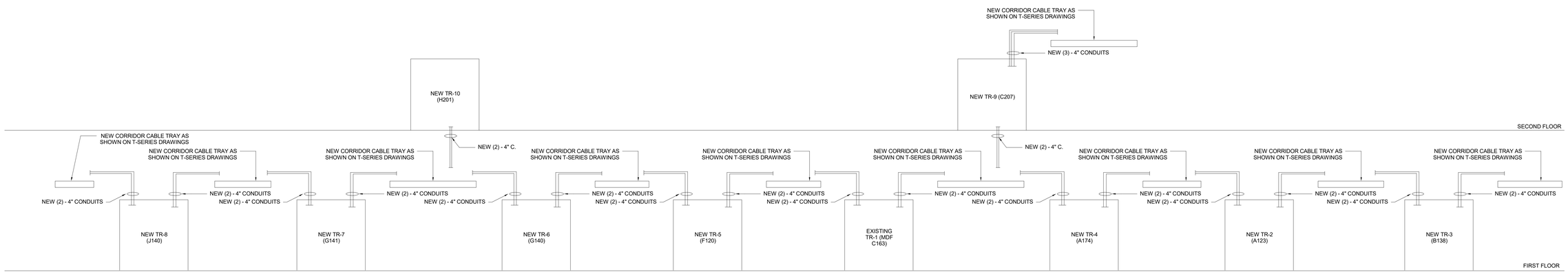

5 TELECOM RISER DISTRIBUTION DIAGRAM
N.T.S.

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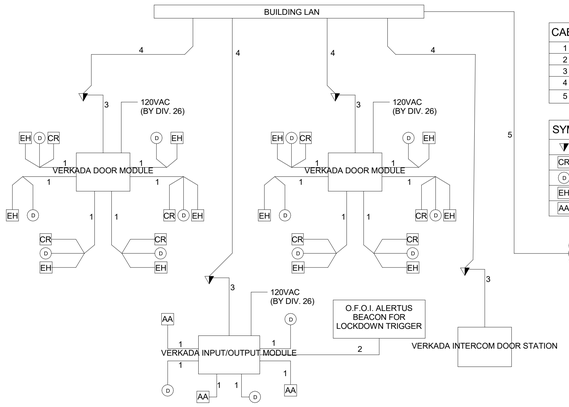
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **TECHNOLOGY DIAGRAMS**

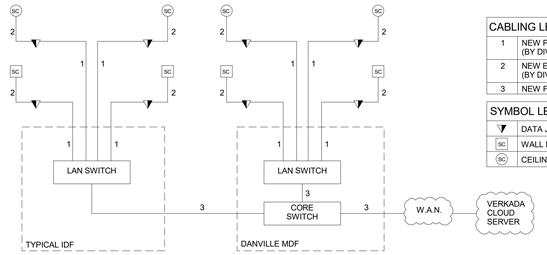
SHEET: **T300**
COMM #: 2265



CABLING LEGEND (THIS DETAIL)	
1	NEW ACCESS CONTROL CABLE
2	NEW 18/2 PLENUM CABLE
3	NEW CAT 6 PATCH CABLE
4	NEW PLENUM UTP CABLE
5	EXISTING CABLING

SYMBOL LEGEND (THIS DETAIL)	
	DATA LOCATION
CR	CARD READER
D	DOOR POSITION SENSOR
EH	ELECTRONIC LOCKING HARDWARE
AA	AUDIBLE ALARM SIREN

1 ACCESS CONTROL FUNCTIONAL DIAGRAM
N.T.S.



CABLING LEGEND (THIS DETAIL)	
1	NEW PLENUM UTP CABLE (BY DIVISION 27)
2	NEW ETHERNET PATCH CABLE (BY DIVISION 27)
3	NEW FIBER CABLING BY OTHERS

SYMBOL LEGEND (THIS DETAIL)	
	DATA JACK WITHIN BACK BOX
SC	WALL MOUNT CAMERA LOCATION
SC	CEILING MOUNT CAMERA LOCATION

2 VIDEO SECURITY SYSTEM FUNCTIONAL DIAGRAM
N.T.S.

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Douglas J Driscoll
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Expires 12-31-24
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

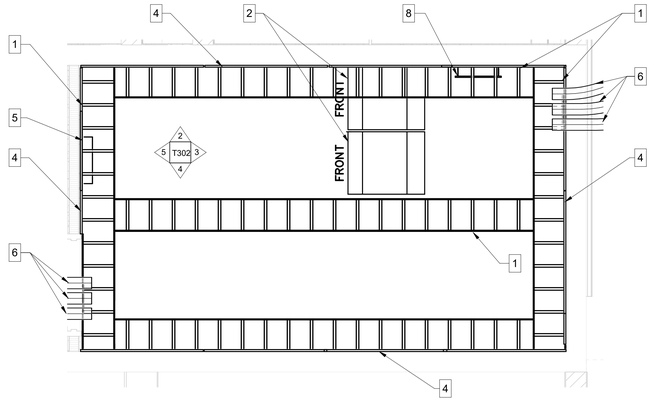
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: SECURITY DIAGRAMS

SHEET: T301
COMM #: 2265

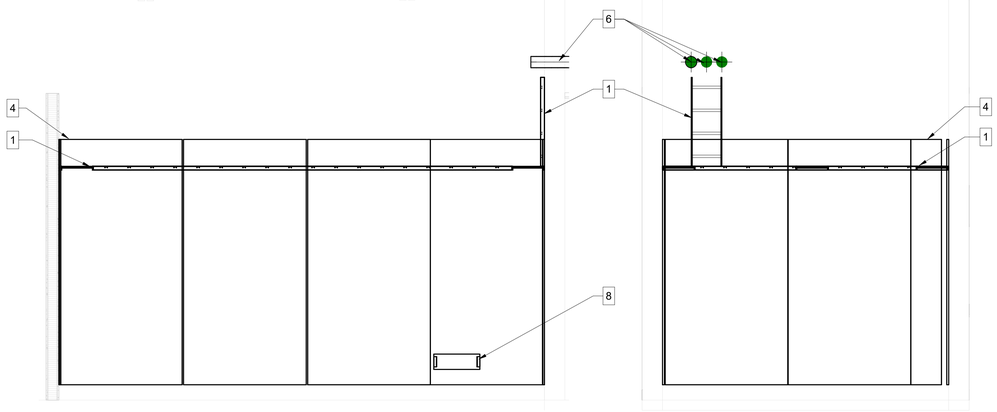
1/16/2024 9:24:45 AM

SHEET NOTES

1. 12" TR LADDER TRAY
2. 4-POST TELECOM RACK EQUIPMENT RACK
3. TELECOM GROUNDING BUSBAR (TGB)
4. TR PLYWOOD MOUNTED VERTICALLY FROM 0' 6" A.F.F - 8' 6" A.F.F.
5. ACCESS CONTROL ENCLOSURE LOCATION
6. HORIZONTAL EMT CONDUIT
7. AV EQUIPMENT RACK
8. TELECOM MAIN GROUNDING BUSBAR (TMGB)
9. VERTICAL EMT CONDUIT
10. AV EQUIPMENT RACK
11. APPROXIMATE LOCATION OF UNDERGROUND OSP FIBER CONDUITS STUBBING INTO ROOM.

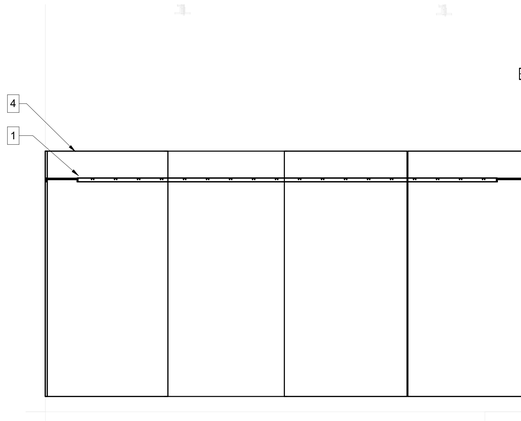


1 FIRST FLOOR TR-1 (C163) - ENLARGED LAYOUT
1/2" = 1'-0"

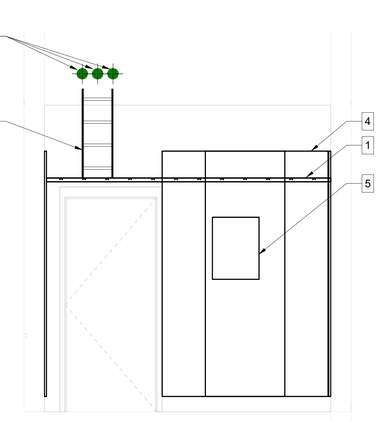


2 FIRST FLOOR TR-1 (C163) - NORTH ELEVATION
1/2" = 1'-0"

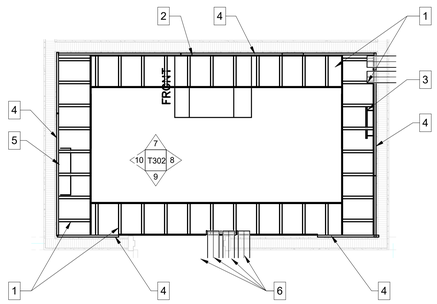
3 FIRST FLOOR TR-1 (C163) - EAST ELEVATION
1/2" = 1'-0"



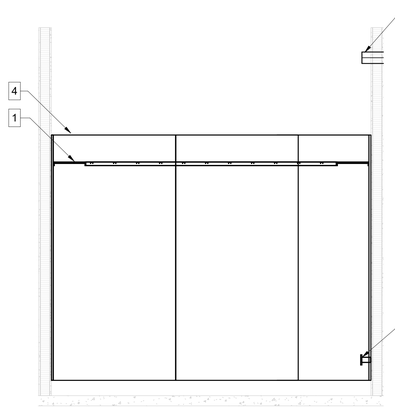
4 FIRST FLOOR TR-1 (C163) - SOUTH ELEVATION
1/2" = 1'-0"



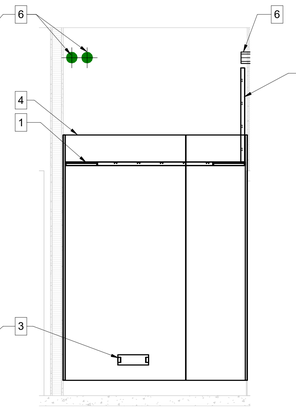
5 FIRST FLOOR TR-1 (C163) - WEST ELEVATION
1/2" = 1'-0"



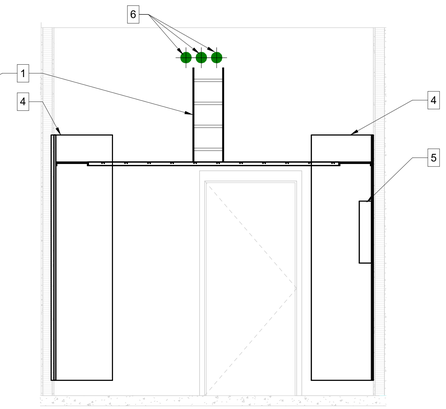
6 FIRST FLOOR TR-2 (A123) - ENLARGED LAYOUT
1/2" = 1'-0"



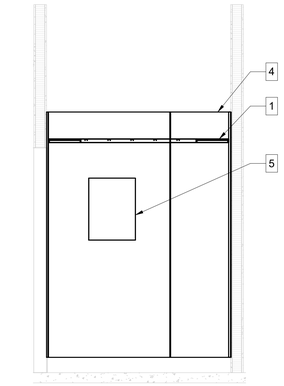
7 FIRST FLOOR TR-2 (A123) - NORTH ELEVATION
1/2" = 1'-0"



8 FIRST FLOOR TR-2 (A123) - EAST ELEVATION
1/2" = 1'-0"



9 FIRST FLOOR TR-2 (A123) - SOUTH ELEVATION
1/2" = 1'-0"



10 FIRST FLOOR TR-2 (A123) - WEST ELEVATION
1/2" = 1'-0"

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

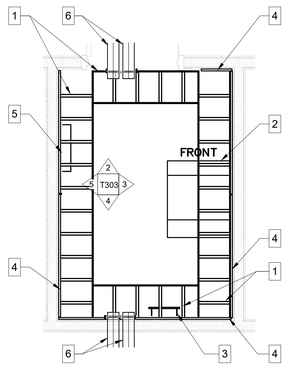
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: ENLARGED TR LAYOUTS / ELEVATIONS

SHEET: **T302**
COMM #: 2265

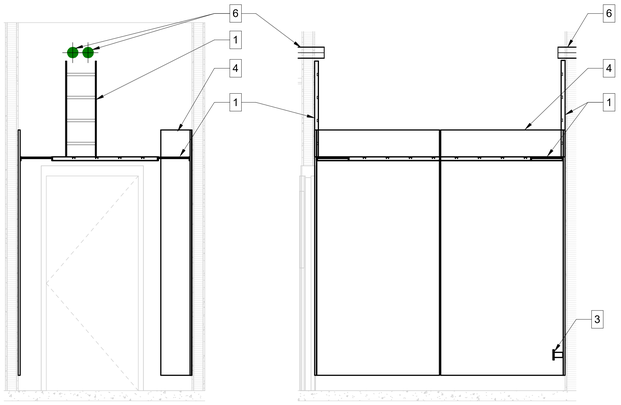
1/16/2024 2:24:24 AM

SHEET NOTES

1. 12" TR LADDER TRAY
2. 4-POST TELECOM RACK EQUIPMENT RACK
3. TELECOM GROUNDING BUSBAR (TGB)
4. TR PLYWOOD MOUNTED VERTICALLY FROM 0' 6" A.F.F - 8' 6" A.F.F.
5. ACCESS CONTROL ENCLOSURE LOCATION
6. HORIZONTAL EMT CONDUIT
7. AV EQUIPMENT RACK
8. TELECOM MAIN GROUNDING BUSBAR (TMGB)
9. VERTICAL EMT CONDUIT
10. AV EQUIPMENT RACK
11. APPROXIMATE LOCATION OF UNDERGROUND OSP FIBER CONDUITS STUBBING INTO ROOM.

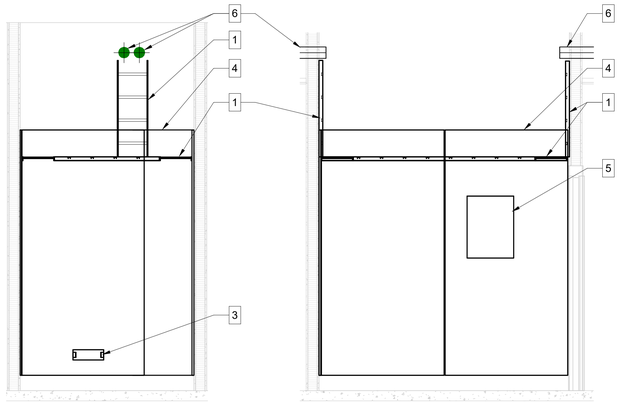


1 FIRST FLOOR TR-3 (A174) - ENLARGED LAYOUT
1/2" = 1'-0"



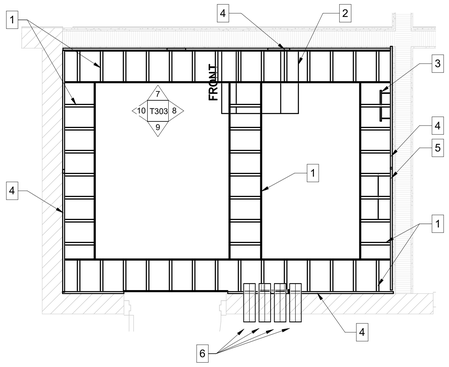
2 FIRST FLOOR TR-3 (A174) - NORTH ELEVATION
1/2" = 1'-0"

3 FIRST FLOOR TR-3 (A174) - EAST ELEVATION
1/2" = 1'-0"

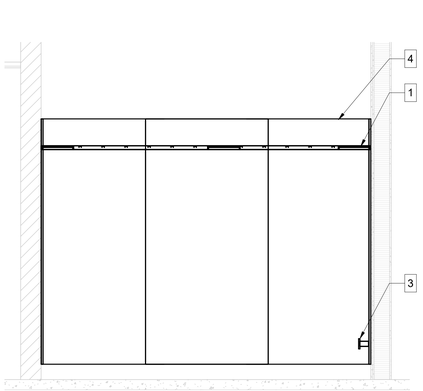


4 FIRST FLOOR TR-3 (A174) - SOUTH ELEVATION
1/2" = 1'-0"

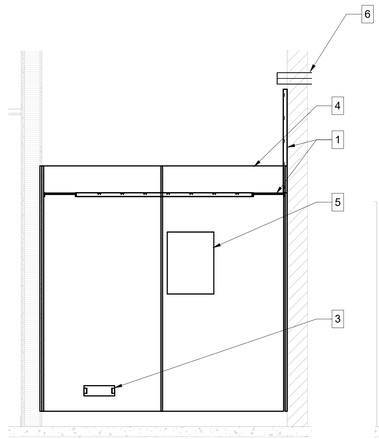
5 FIRST FLOOR TR-3 (A174) - WEST ELEVATION
1/2" = 1'-0"



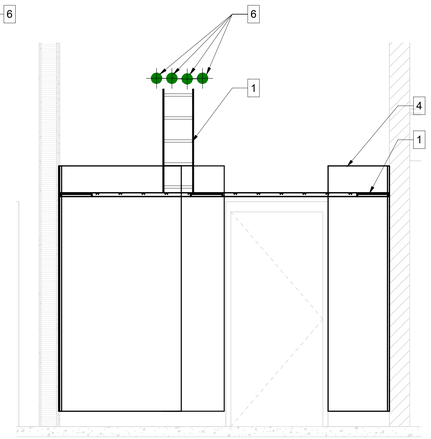
6 FIRST FLOOR TR-4 (B138) - ENLARGED LAYOUT
1/2" = 1'-0"



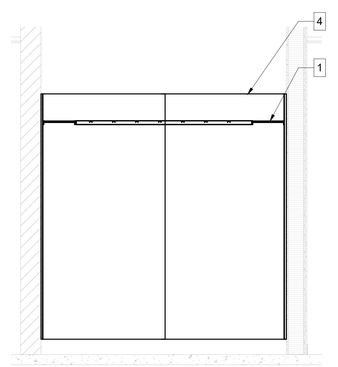
7 FIRST FLOOR TR-4 (B138) - NORTH ELEVATION
1/2" = 1'-0"



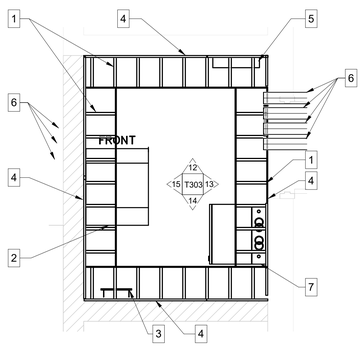
8 FIRST FLOOR TR-4 (B138) - EAST ELEVATION
1/2" = 1'-0"



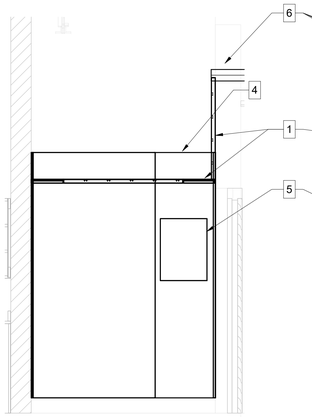
9 FIRST FLOOR TR-4 (B138) - SOUTH ELEVATION
1/2" = 1'-0"



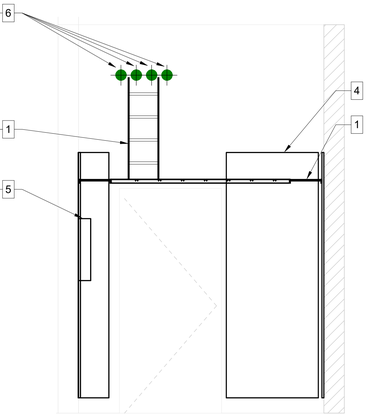
10 FIRST FLOOR TR-4 (B138) - WEST ELEVATION
1/2" = 1'-0"



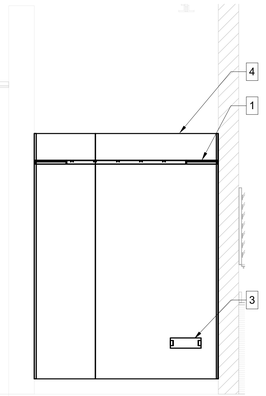
11 FIRST FLOOR TR-5 (F120) - ENLARGED LAYOUT
1/2" = 1'-0"



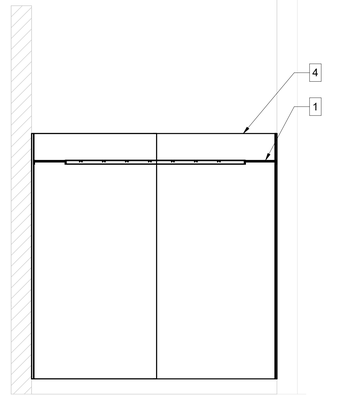
12 FIRST FLOOR FIRST FLOOR TR-5 (F120) - NORTH ELEVATION
1/2" = 1'-0"



13 FIRST FLOOR TR-5 (F120) - EAST ELEVATION
1/2" = 1'-0"



14 FIRST FLOOR TR-5 (F120) - SOUTH ELEAVTION
1/2" = 1'-0"



15 FIRST FLOOR TR-5 (F120) - WEST ELEVATION
1/2" = 1'-0"

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

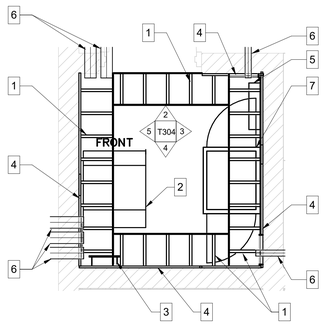
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: ENLARGED TR LAYOUTS / ELEVATIONS

SHEET: **T303**
COMM #: 2265

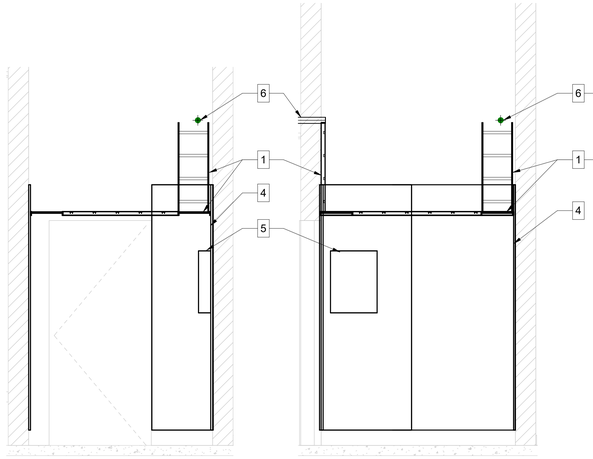
1/16/2024 9:25:07 AM

SHEET NOTES

1. 12" TR LADDER TRAY
2. 4-POST TELECOM RACK EQUIPMENT RACK
3. TELECOM GROUNDING BUSBAR (TGB)
4. TR PLYWOOD MOUNTED VERTICALLY FROM 0' 6" A.F.F - 8' 6" A.F.F.
5. ACCESS CONTROL ENCLOSURE LOCATION
6. HORIZONTAL EMT CONDUIT
7. AV EQUIPMENT RACK
8. TELECOM MAIN GROUNDING BUSBAR (TMGB)
9. VERTICAL EMT CONDUIT
10. AV EQUIPMENT RACK
11. APPROXIMATE LOCATION OF UNDERGROUND OSP FIBER CONDUITS STUBBING INTO ROOM.

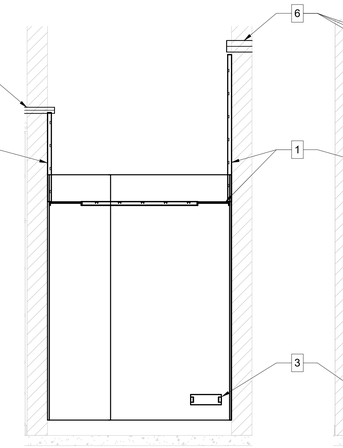


1 FIRST FLOOR TR-6 (G140) - ENLARGED LAYOUT
1/2" = 1'-0"

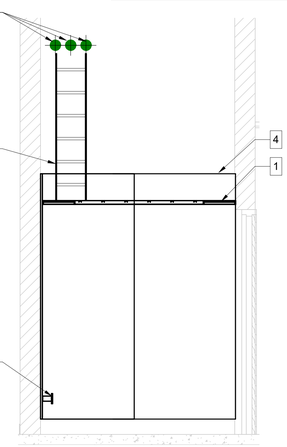


2 FIRST FLOOR TR-6 (G140) - NORTH ELEVATION
1/2" = 1'-0"

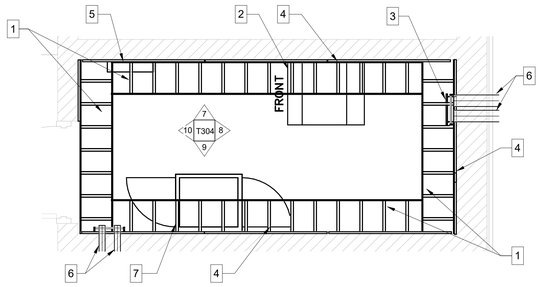
3 FIRST FLOOR TR-6 (G140) - EAST ELEVATION
1/2" = 1'-0"



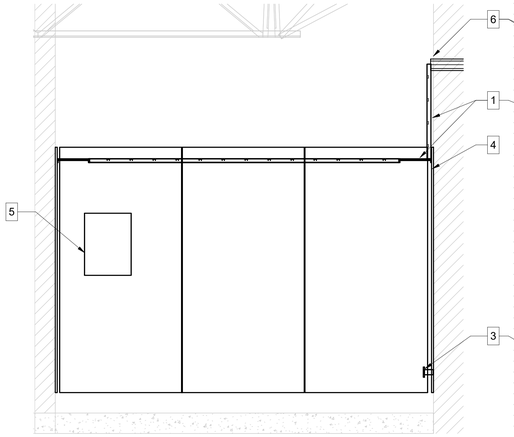
4 FIRST FLOOR TR-6 (G140) - SOUTH ELEVATION
1/2" = 1'-0"



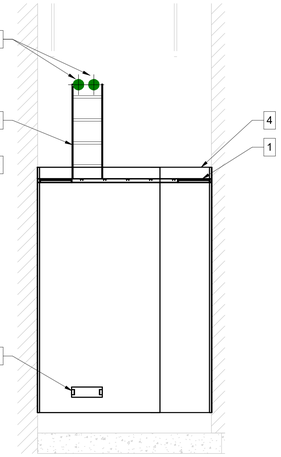
5 FIRST FLOOR TR-6 (G140) - WEST ELEVATION
1/2" = 1'-0"



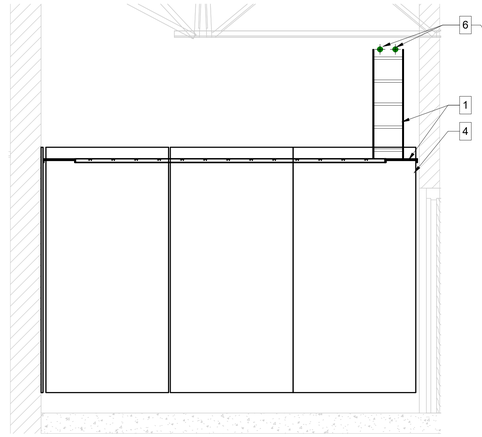
6 FIRST FLOOR TR-7 (G141) - ENLARGED LAYOUT
1/2" = 1'-0"



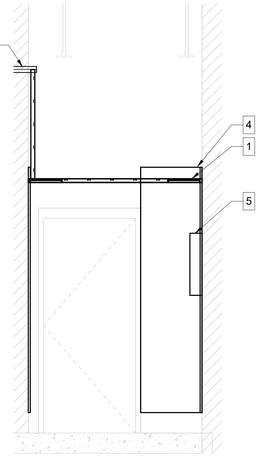
7 FIRST FLOOR TR-7 (G141) - NORTH ELEVATION
1/2" = 1'-0"



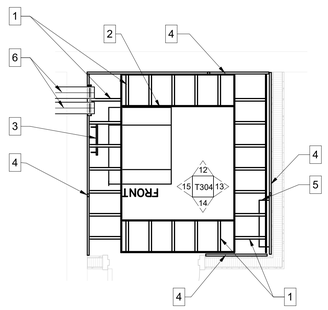
8 FIRST FLOOR TR-7 (G141) - EAST ELEVATION
1/2" = 1'-0"



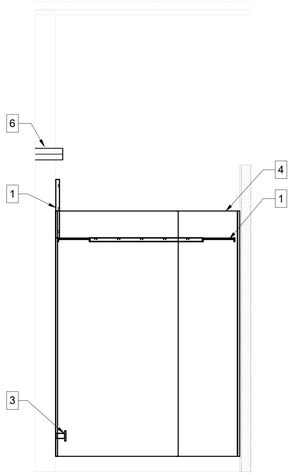
9 FIRST FLOOR TR-7 (G141) - SOUTH ELEVATION
1/2" = 1'-0"



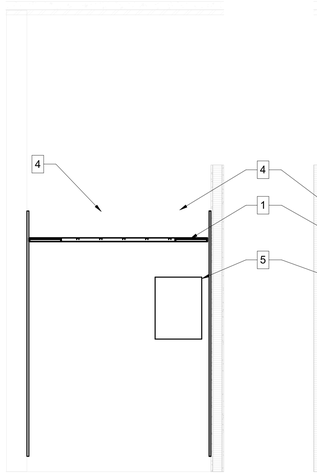
10 FIRST FLOOR TR-7 (G141) - WEST ELEVATION
1/2" = 1'-0"



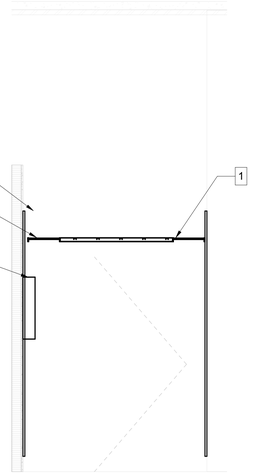
11 FIRST FLOOR TR-8 (J140) - ENLARGED LAYOUT
1/2" = 1'-0"



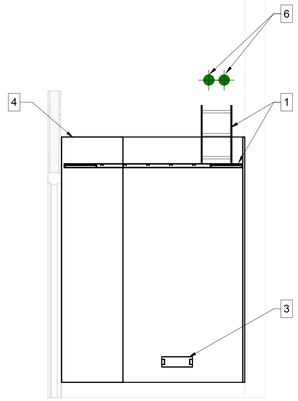
12 FIRST FLOOR TR-8 (J140) - NORTH ELEVATION
1/2" = 1'-0"



13 FIRST FLOOR TR-8 (J140) - EAST ELEVATION
1/2" = 1'-0"



14 FIRST FLOOR TR-8 (J140) - SOUTH ELEVATION
1/2" = 1'-0"



15 FIRST FLOOR TR-8 (J140) - WEST ELEVATION
1/2" = 1'-0"

1/16/2024 9:25:20 AM

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

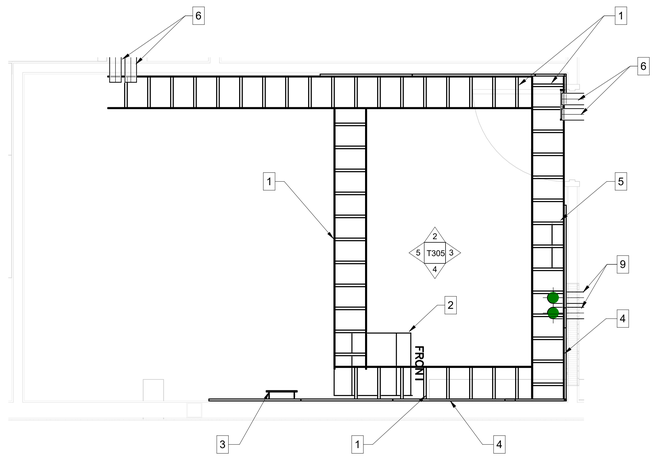
INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: ENLARGED TR LAYOUTS / ELEVATIONS

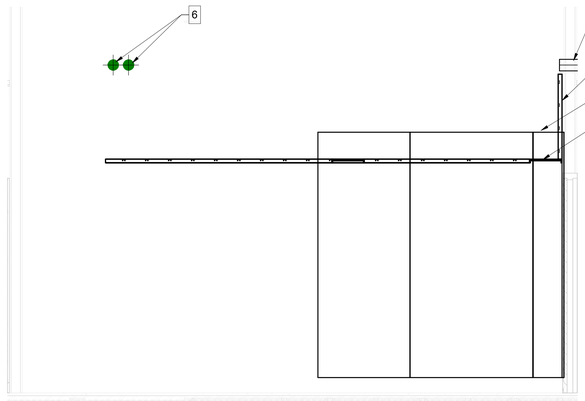
SHEET: T304
COMM #: 2265

SHEET NOTES

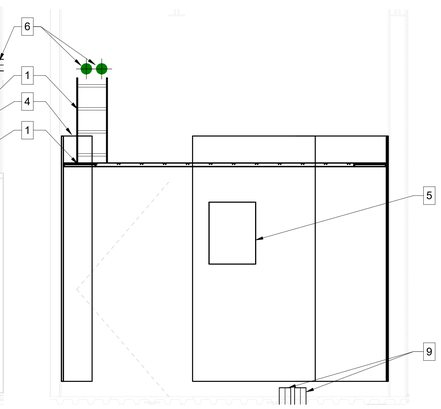
1 12" TR LADDER TRAY
2 4-POST TELECOM RACK EQUIPMENT RACK
3 TELECOM GROUNDING BUSBAR (TGB)
4 TR PLYWOOD MOUNTED VERTICALLY FROM 0' 6" A.F.F - 8' 6" A.F.F.
5 ACCESS CONTROL ENCLOSURE LOCATION
6 HORIZONTAL EMT CONDUIT
7 AV EQUIPMENT RACK
8 TELECOM MAIN GROUNDING BUSBAR (TMGB)
9 VERTICAL EMT CONDUIT
10 AV EQUIPMENT RACK
11 APPROXIMATE LOCATION OF UNDERGROUND OSP FIBER CONDUITS STUBBING INTO ROOM.



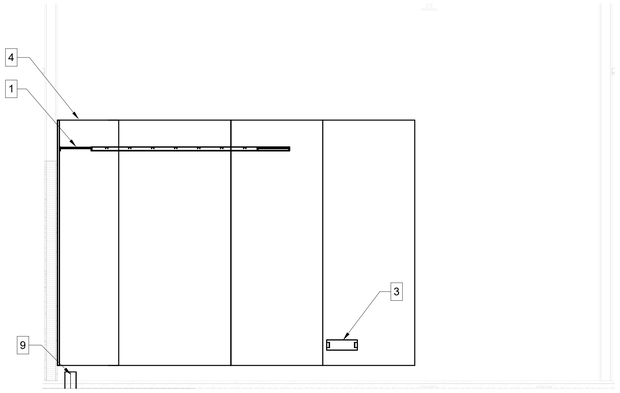
1 SECOND FLOOR TR-9 (C207) - ENLARGED LAYOUT
1/2" = 1'-0"



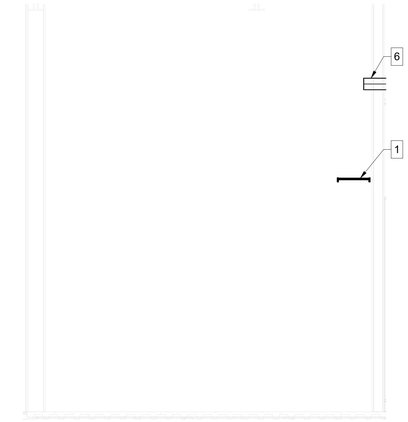
2 SECOND FLOOR TR-9 (C207) - NORTH ELEVATION
1/2" = 1'-0"



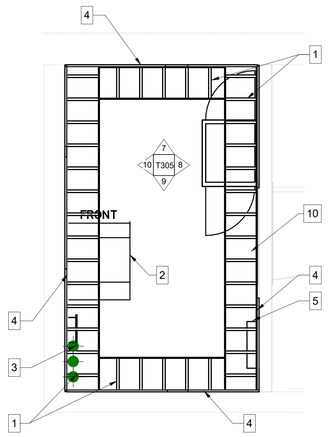
3 SECOND FLOOR TR-9 (C207) - EAST ELEVATION
1/2" = 1'-0"



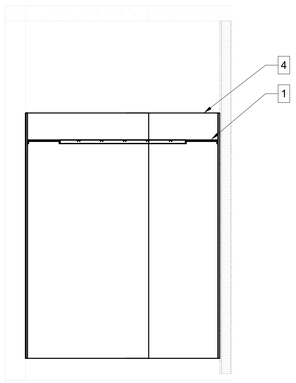
4 SECOND FLOOR TR-9 (C207) - SOUTH ELEVATION
1/2" = 1'-0"



5 SECOND FLOOR TR-9 (C207) - WEST ELEVATION
1/2" = 1'-0"



6 SECOND FLOOR TR-10 (H201) - ENLARGED LAYOUT
1/2" = 1'-0"



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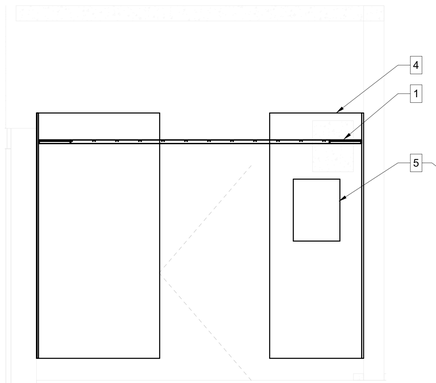
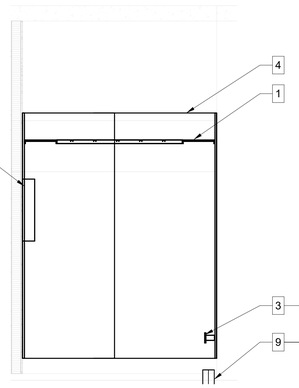
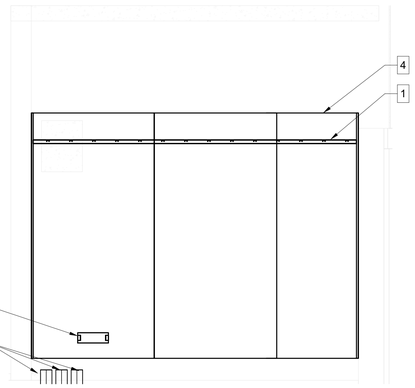
1/2" = 1'-0"



8 SECOND FLOOR TR-10 (H201) - EAST ELEVATION
1/2" = 1'-0"



9 SECOND FLOOR TR-10 (H201) - SOUTH ELEVATION
1/2" = 1'-0"



10 SECOND FLOOR TR-10 (H201) - WEST ELEVATION
1/2" = 1'-0"

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

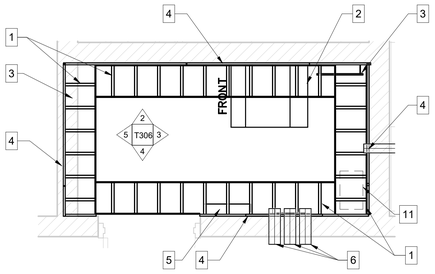
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: ENLARGED TR LAYOUTS / ELEVATIONS

SHEET: T305
COMM #: 2265

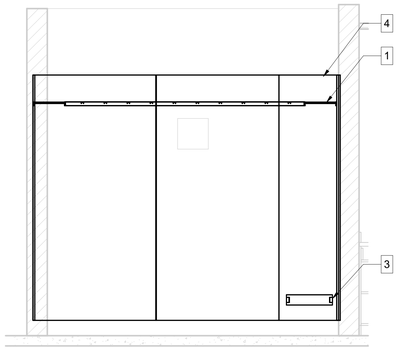
1/16/2024 2:25:29 AM

SHEET NOTES

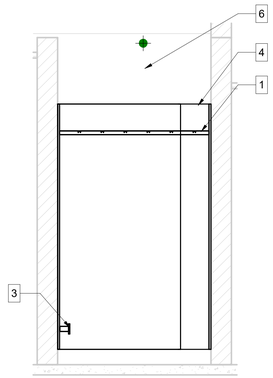
1. 12" TR LADDER TRAY
2. 4-POST TELECOM RACK EQUIPMENT RACK
3. TELECOM GROUNDING BUSBAR (TGB)
4. TR PLYWOOD MOUNTED VERTICALLY FROM 0' 6" A.F.F - 8' 6" A.F.F.
5. ACCESS CONTROL ENCLOSURE LOCATION
6. HORIZONTAL EMT CONDUIT
7. AV EQUIPMENT RACK
8. TELECOM MAIN GROUNDING BUSBAR (TMGB)
9. VERTICAL EMT CONDUIT
10. AV EQUIPMENT RACK
11. APPROXIMATE LOCATION OF UNDERGROUND OSP FIBER CONDUITS STUBBING INTO ROOM.



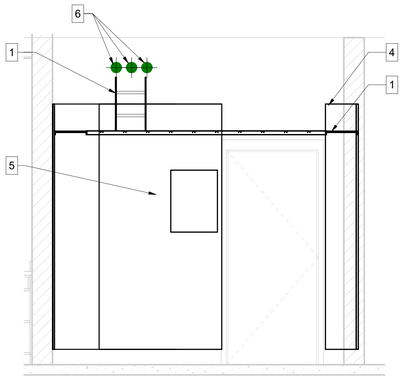
1 ATHLETICS LOCKER ROOM MDF 00 (A113) - ENLARGED LAYOUT
1/2" = 1'-0"



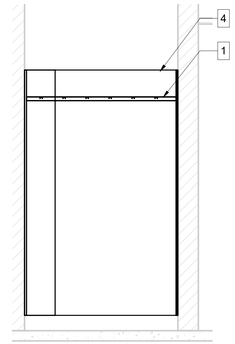
2 ATHLETICS LOCKER ROOM MDF 00 (A113) - NORTH ELEVATION
1/2" = 1'-0"



3 ATHLETICS LOCKER ROOM MDF 00 (A113) - EAST ELEVATION
1/2" = 1'-0"



4 ATHLETICS LOCKER ROOM MDF 00 (A113) - SOUTH ELEVATION
1/2" = 1'-0"



5 ATHLETICS LOCKER ROOM MDF 00 (A113) - WEST ELEVATION
1/2" = 1'-0"

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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: ENLARGED TR LAYOUTS / ELEVATIONS

SHEET: **T306**
COMM #: 2265

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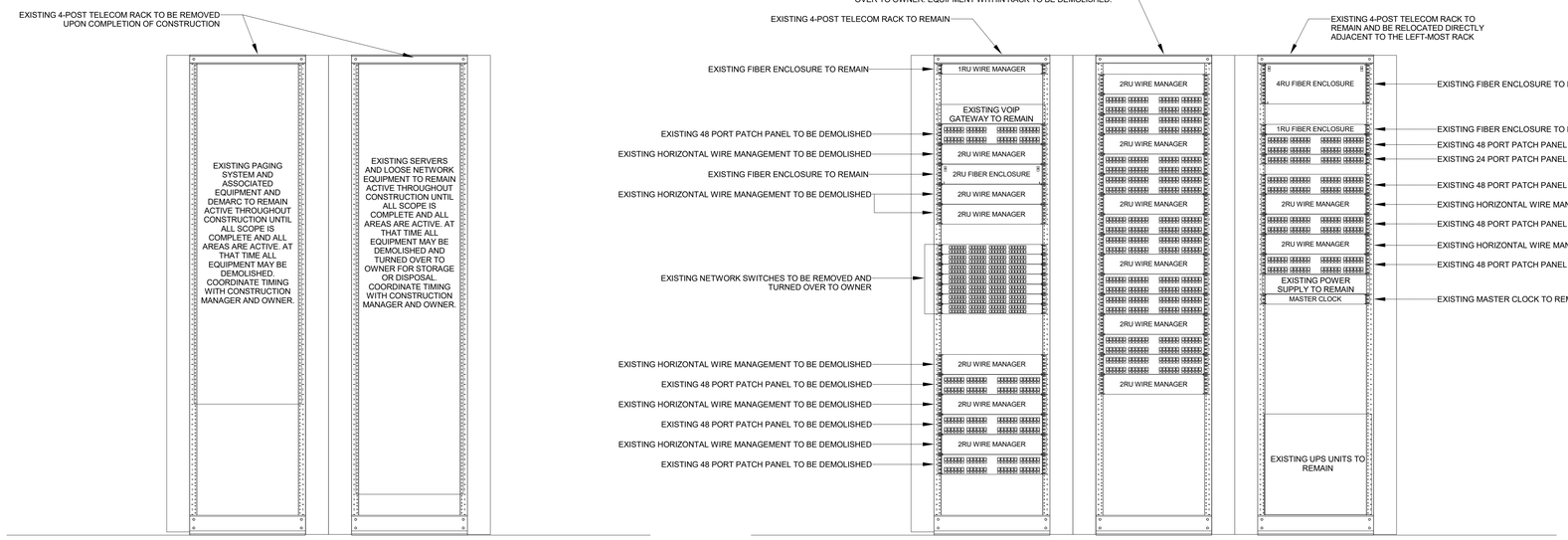
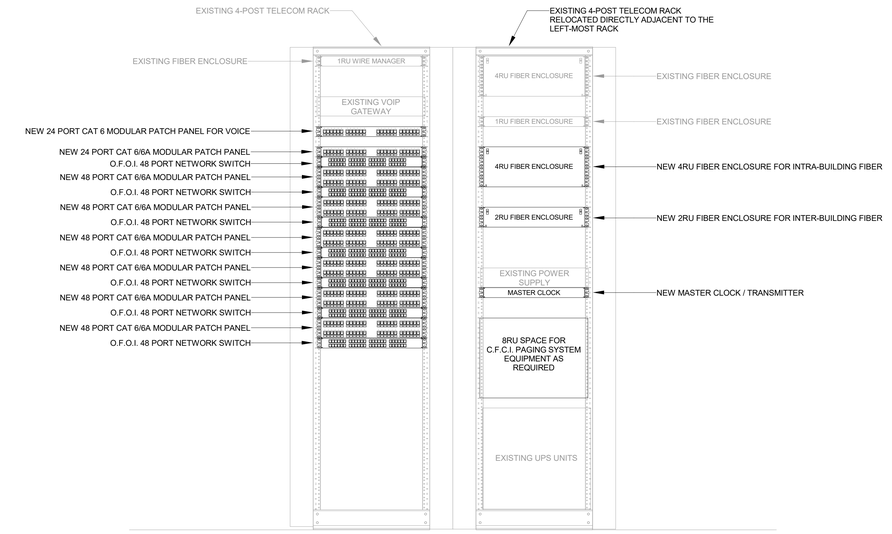


1 EXISTING HIGH SCHOOL TR-1 (C163) RACK ELEVATION
N.T.S.



2 NEW HIGH SCHOOL TR-1 (C163) RACK ELEVATION
N.T.S.

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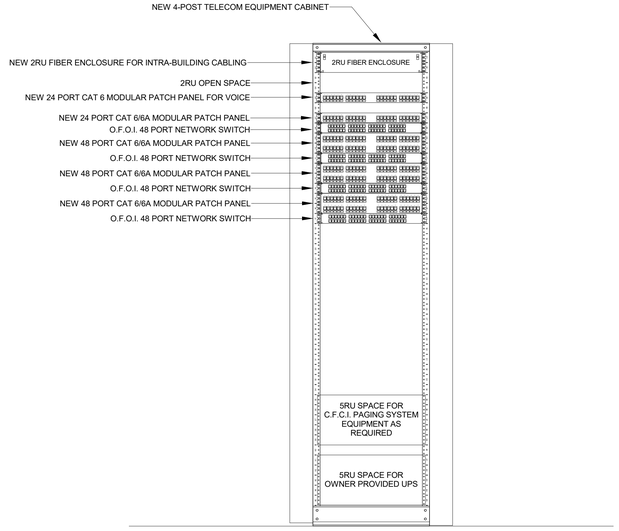
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

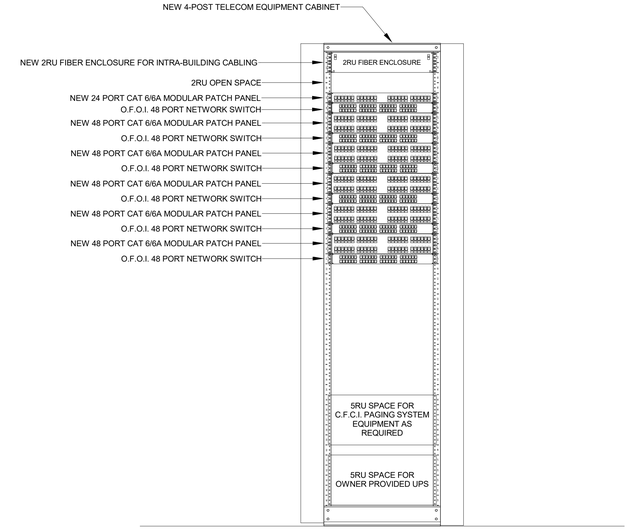
STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: TELECOM RACK ELEVATIONS

SHEET: **T307**
COMM #: 2265

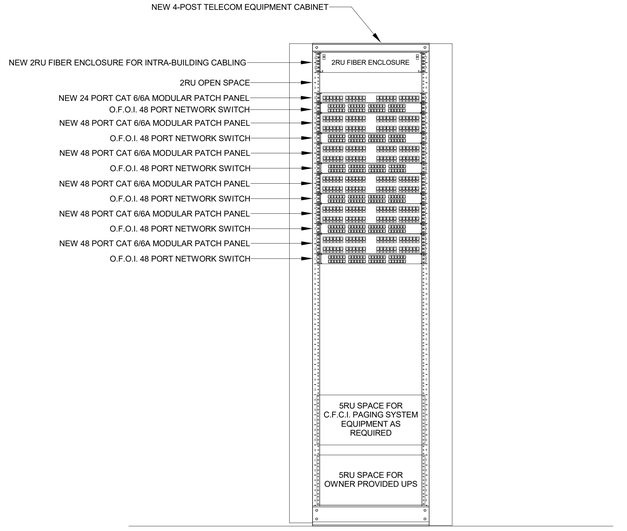
1/16/2024 2:53:39 AM



1 IDF TR-2 (A123) RACK ELEVATION
N.T.S.



2 IDF TR-3 (A174) RACK ELEVATION
N.T.S.



3 IDF TR-4 (B138) RACK ELEVATION
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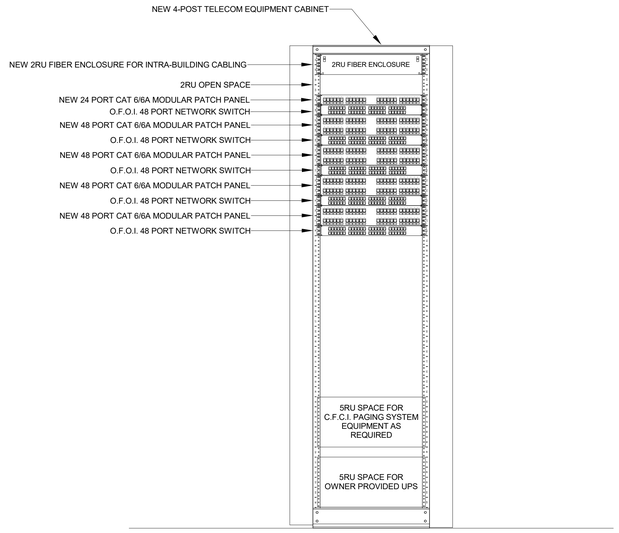
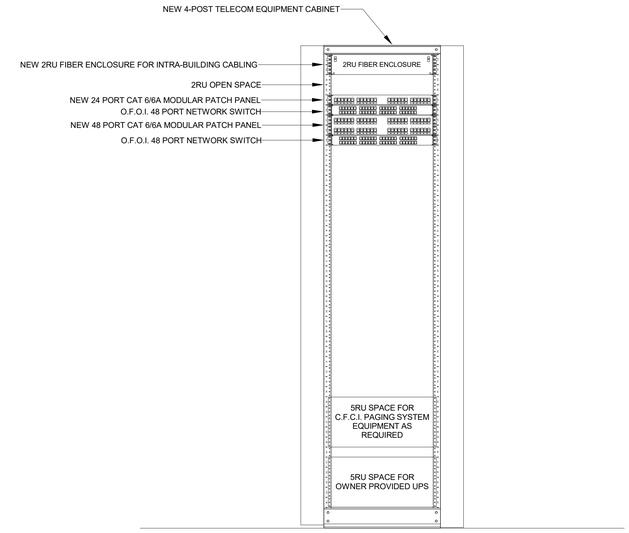


4 IDF TR-5 (F120) RACK ELEVATION
N.T.S.



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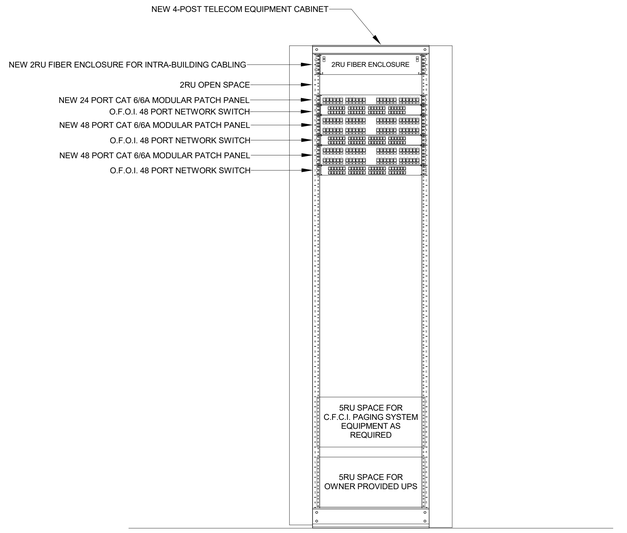

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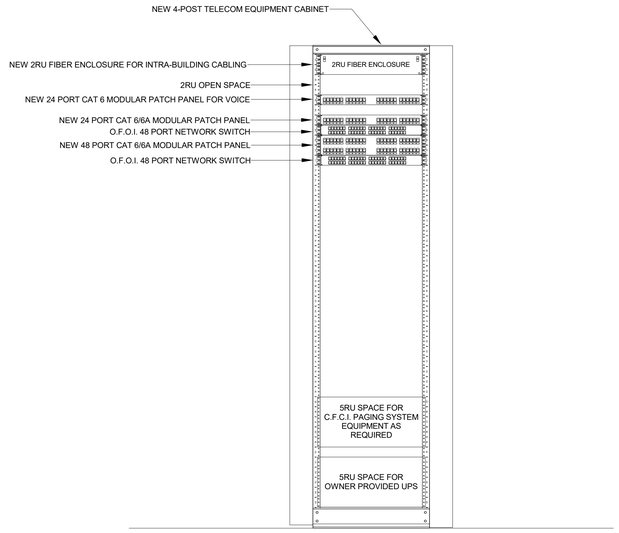
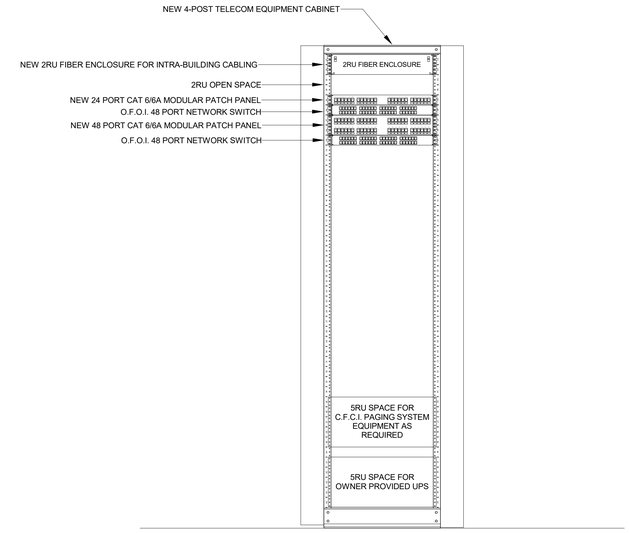
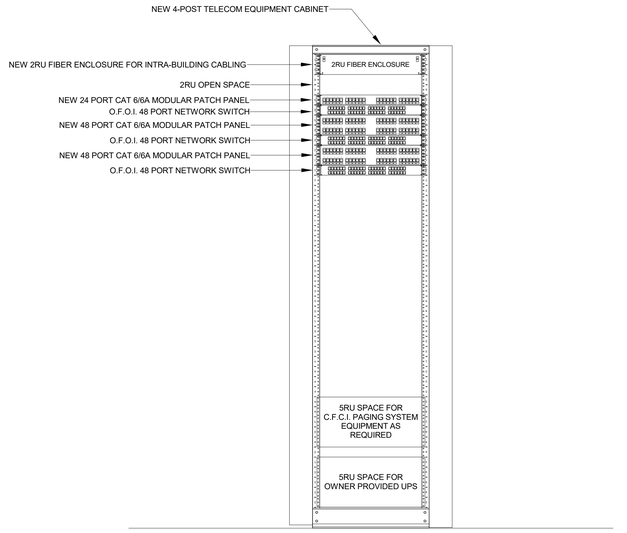


7 IDF TR-8 (J140) RACK ELEVATION
N.T.S.



8 IDF TR-9 (C207) RACK ELEVATION
N.T.S.



9 IDF TR-10 (H201) RACK ELEVATION
N.T.S.

1/15/2024 12:53:34 AM

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RENOVATIONS AND ADDITIONS TO:
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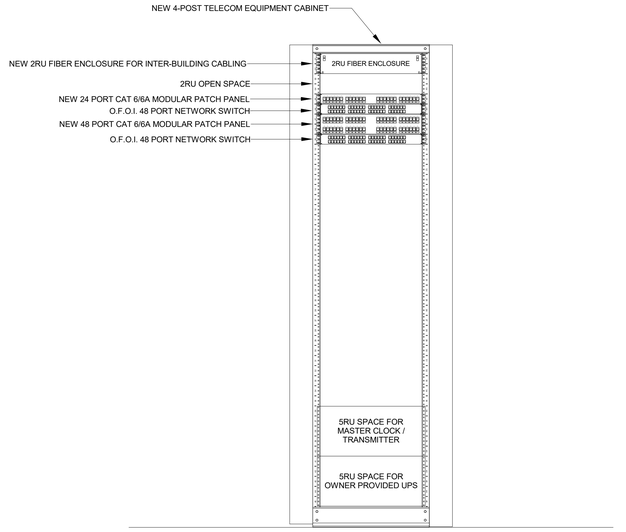
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

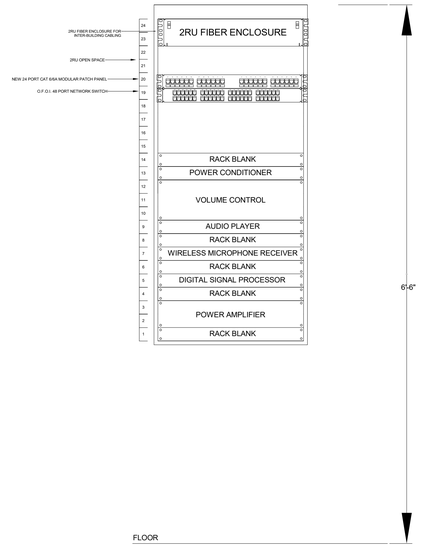
INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: TELECOM RACK ELEVATIONS

SHEET: T308
COMM #: 2265



1 ATHLETICS LOCKER ROOM MDF 00 (A113) RACK ELEVATION
N.T.S.



2 SOFTBALL PRESS BOX WALL EQUIPMENT CABINET ELEVATION
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

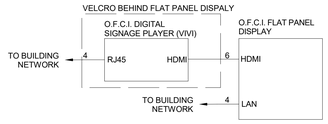
STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: TELECOM RACK ELEVATIONS

SHEET: **T309**
COMM #: 2265

1/16/2024 2:23:34 AM

AV CABLING LEGEND

1	BALANCED MICROPHONE/LINE LEVEL CABLING
2	12 AWG LOUDSPEAKER CABLING
3	16 AWG LOUDSPEAKER CABLING
4	UTP CABLING
5	STP CABLING
6	HDMI CABLING
7	USB CABLING
8	RS-232 CABLING
9	RELAY CABLING
10	RF CABLING
11	SDI CABLING
12	MANUFACTURER RECOMMEND CABLING



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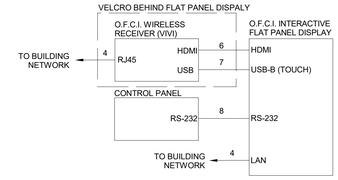

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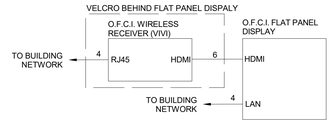

3 TYPICAL OFFICE AND MONITOR AV DIAGRAM
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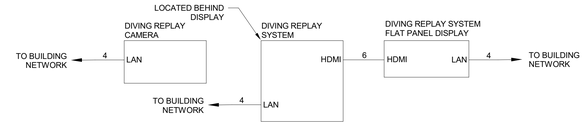

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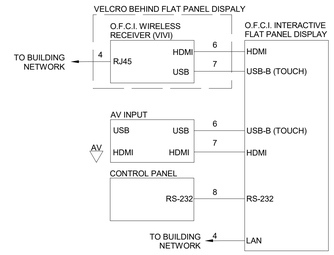

5 TYPICAL CONFERENCE ROOM AV DIAGRAM
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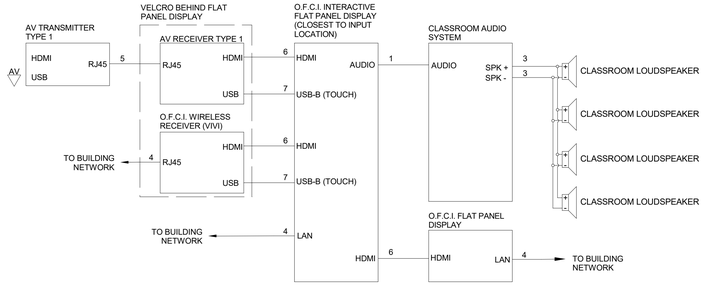

6 HOSPITALITY ROOM AV DIAGRAM
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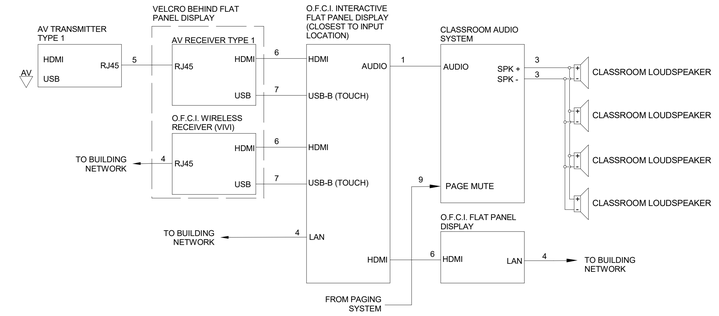

7 PTLW CLASSROOM - SHARED CHEM/SEWING LAB AV DIAGRAM
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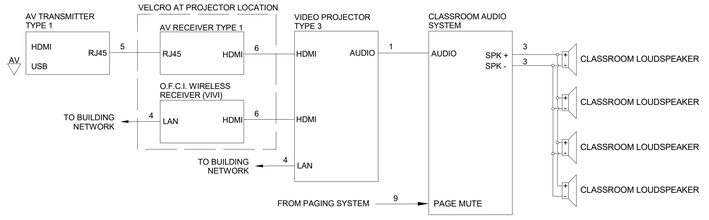

8 AG LAB AV DIAGRAM
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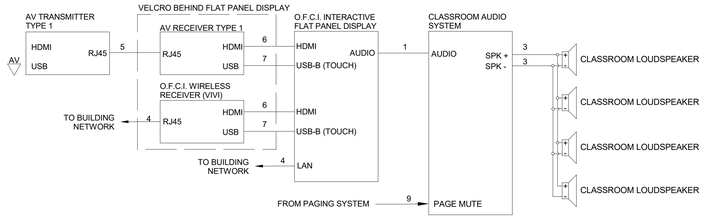

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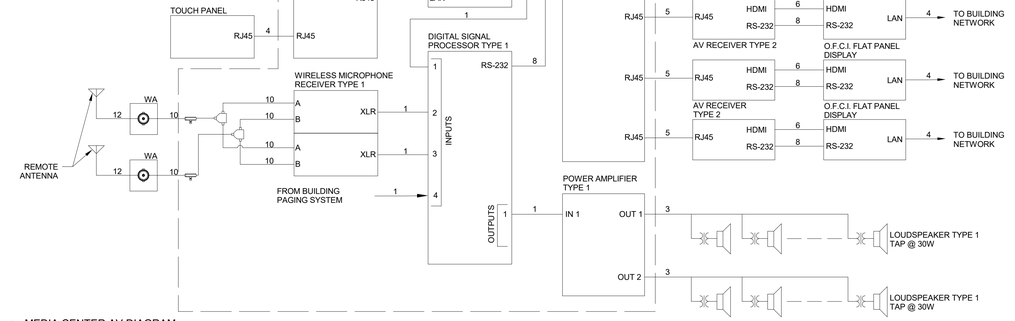

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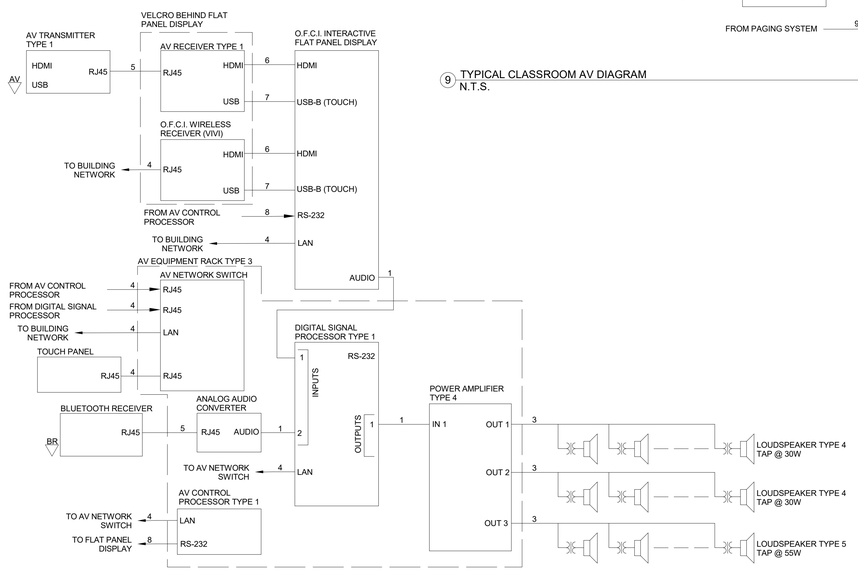

11 HOME FOOTBALL LOCKER ROOM AV DIAGRAM
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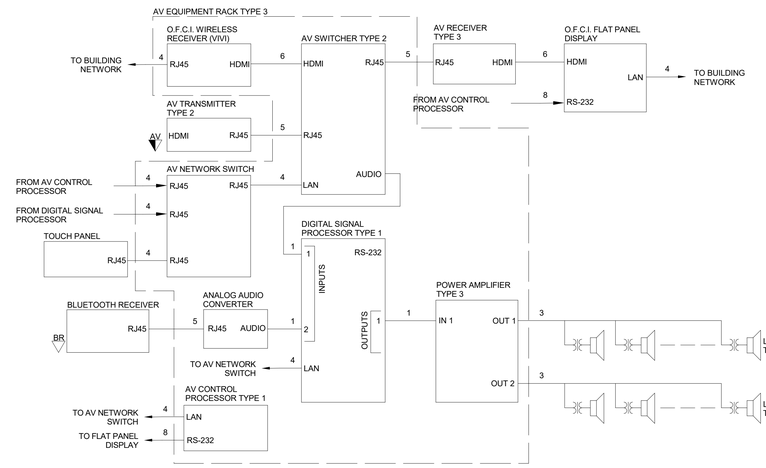

12 TYPICAL LOCKER ROOM AV DIAGRAM
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SHEET NAME:	AV DIAGRAMS
SHEET:	T310
COMM #:	2265

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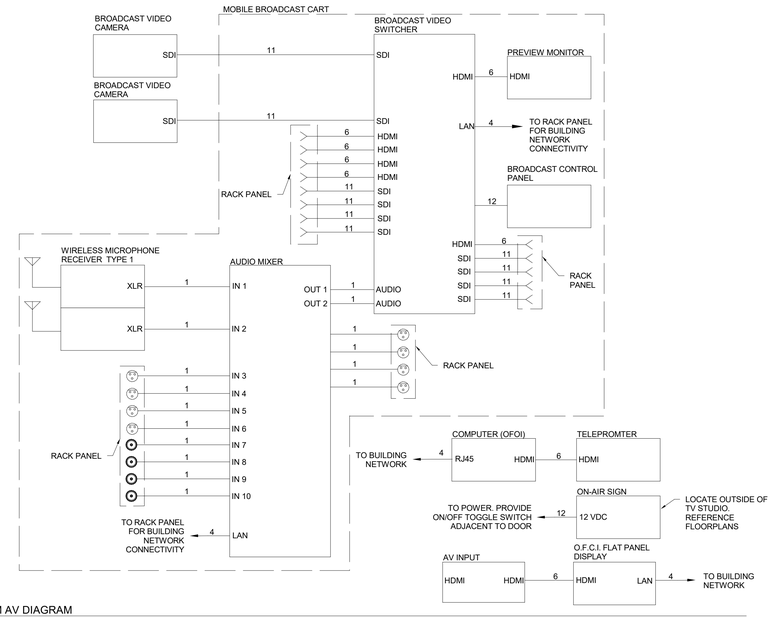

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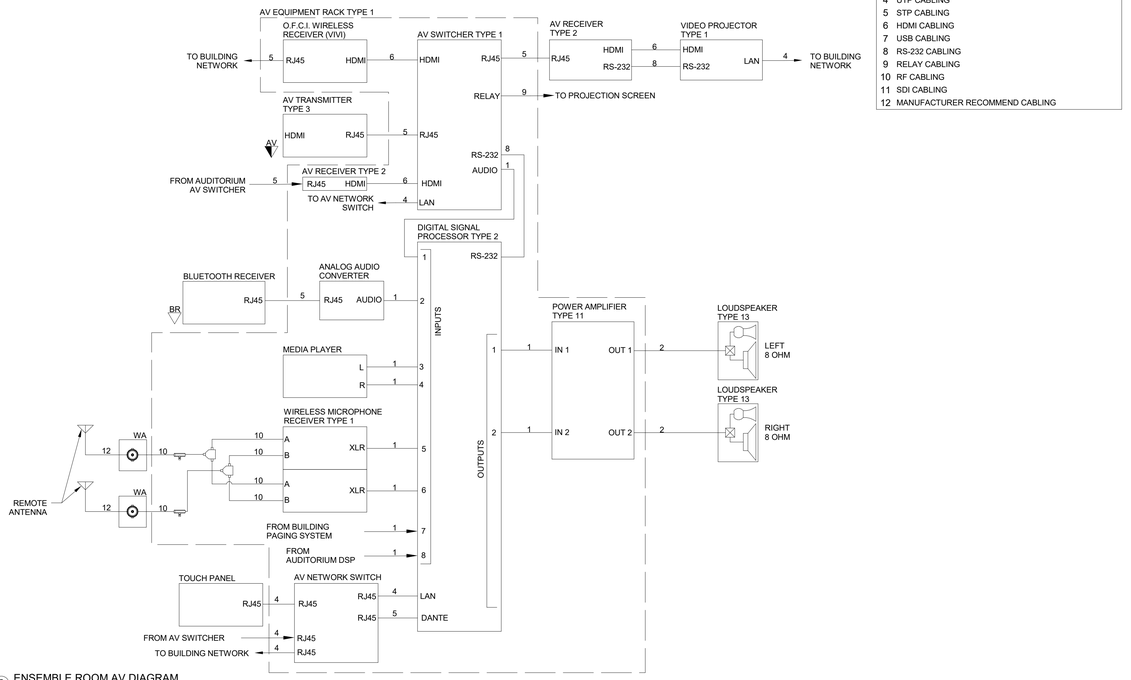

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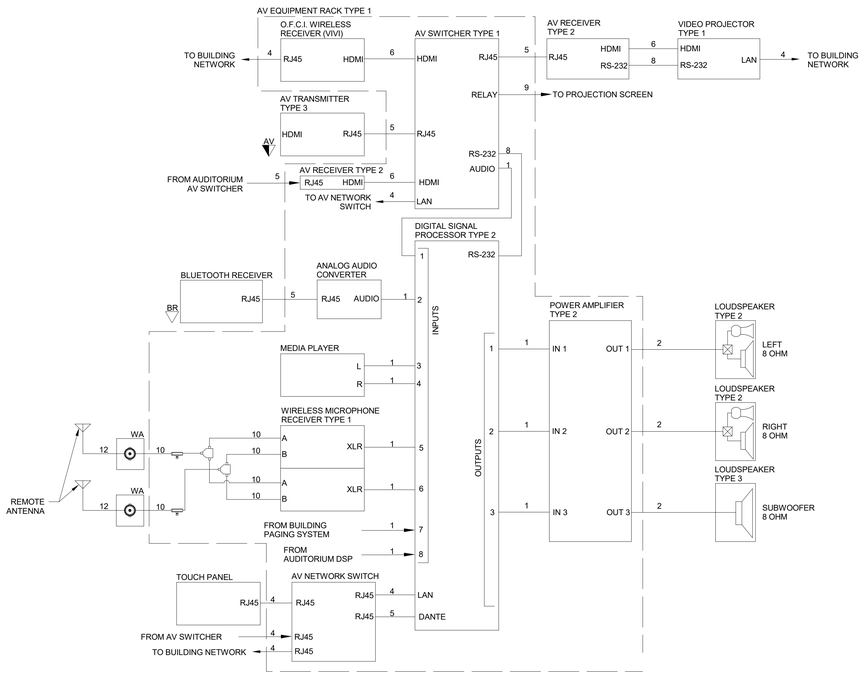

3 BAND - CHOIR ROOM AV DIAGRAM
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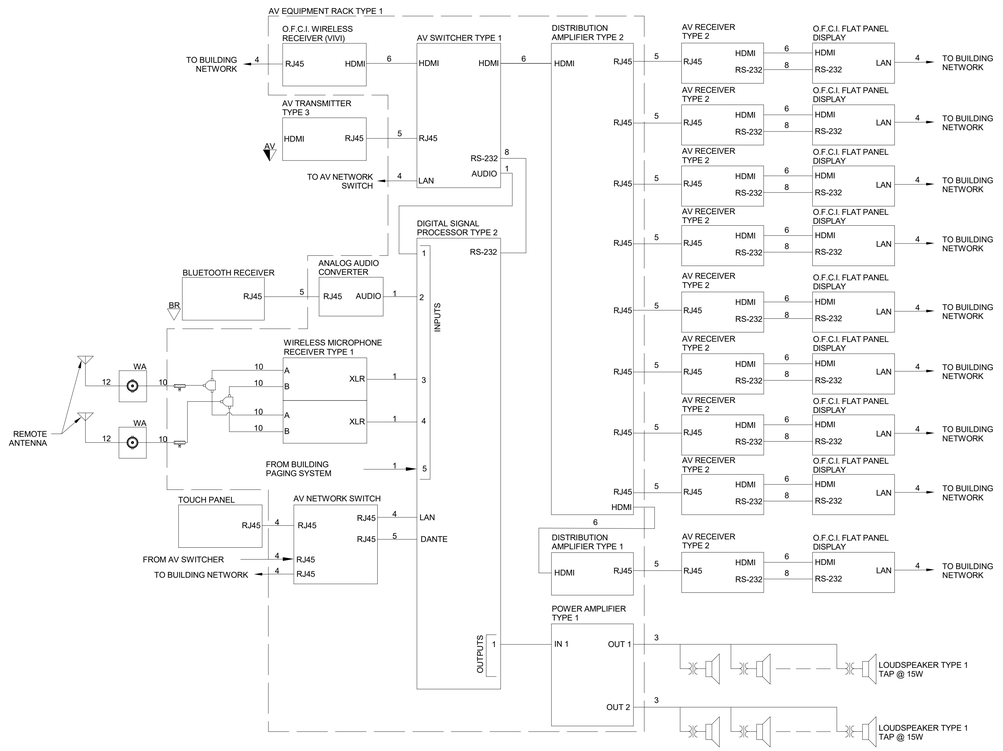

4 CAFETERIA AV DIAGRAM
N.T.S.

AV CABLING LEGEND

1	BALANCED MICROPHONE/LINE LEVEL CABLING
2	12 AWG LOUDSPEAKER CABLING
3	16 AWG LOUDSPEAKER CABLING
4	UTP CABLING
5	STP CABLING
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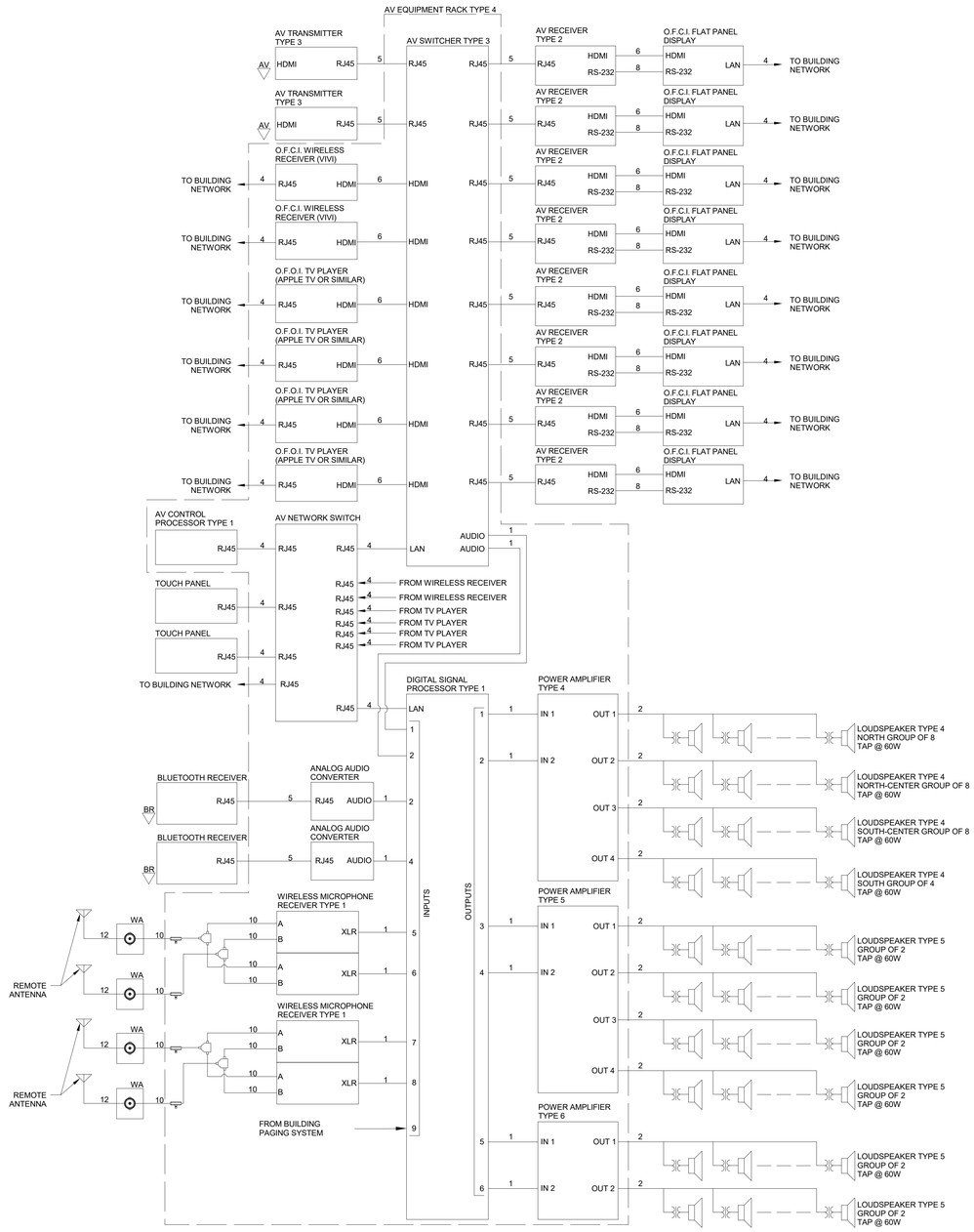

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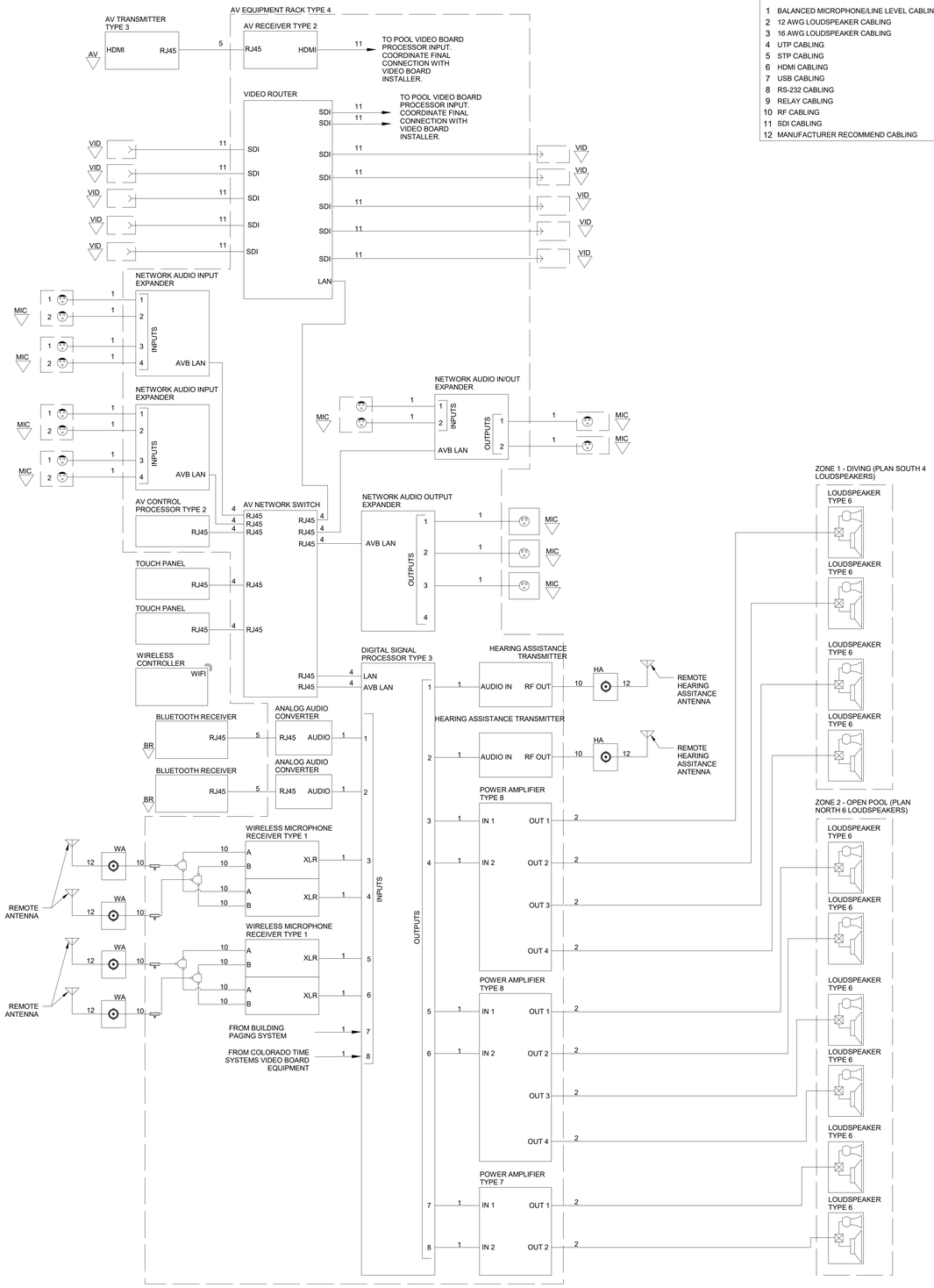

2 POOL AV DIAGRAM
N.T.S.

AV CABLING LEGEND

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3 16 AWG LOUDSPEAKER CABLING
4 UTP CABLING
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7 USB CABLING
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SHEET NAME: AV DIAGRAMS

SHEET: T312
COMM #: 2265

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AV CABLING LEGEND

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2 12 AWG LOUDSPEAKER CABLING
3 16 AWG LOUDSPEAKER CABLING
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5 STP CABLING
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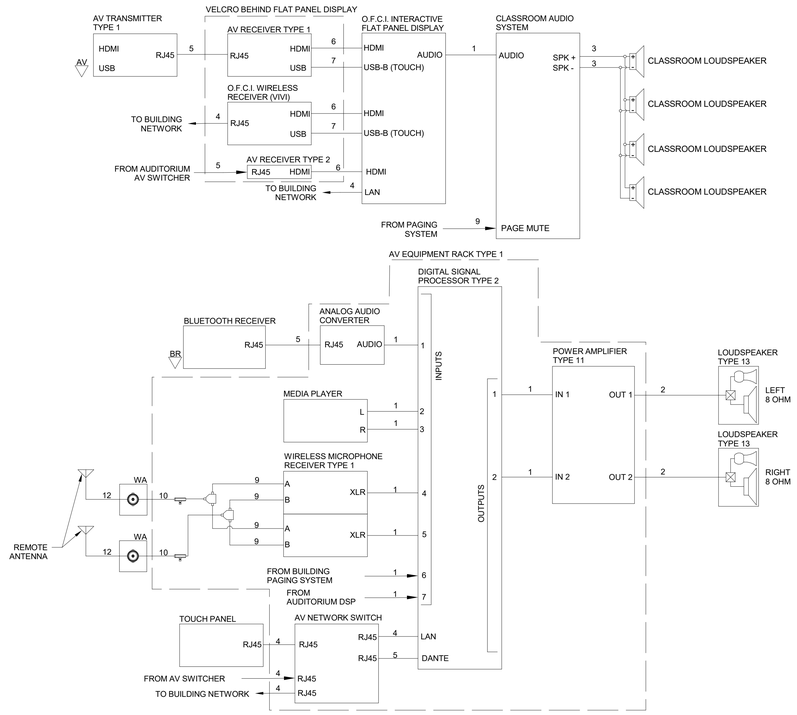

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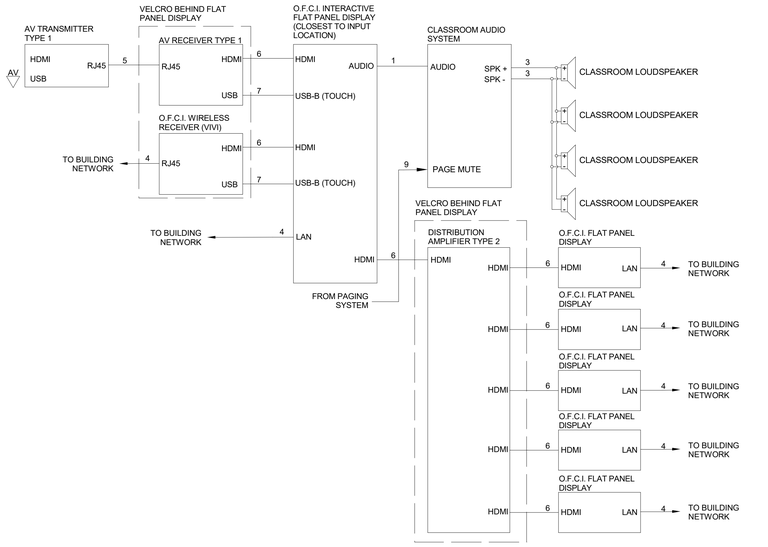

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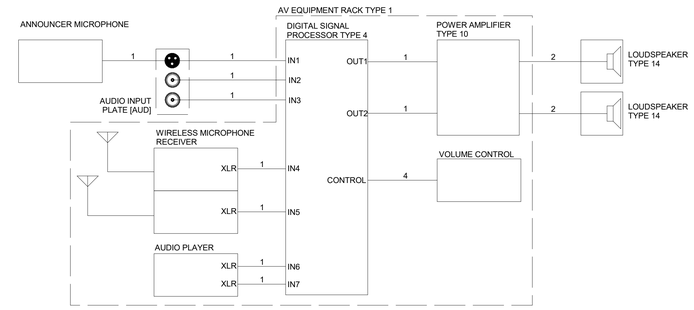

3 SOFTBALL PRESSBOX AV DIAGRAM
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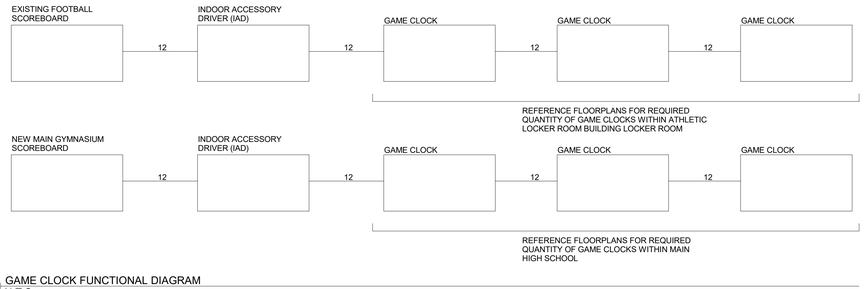

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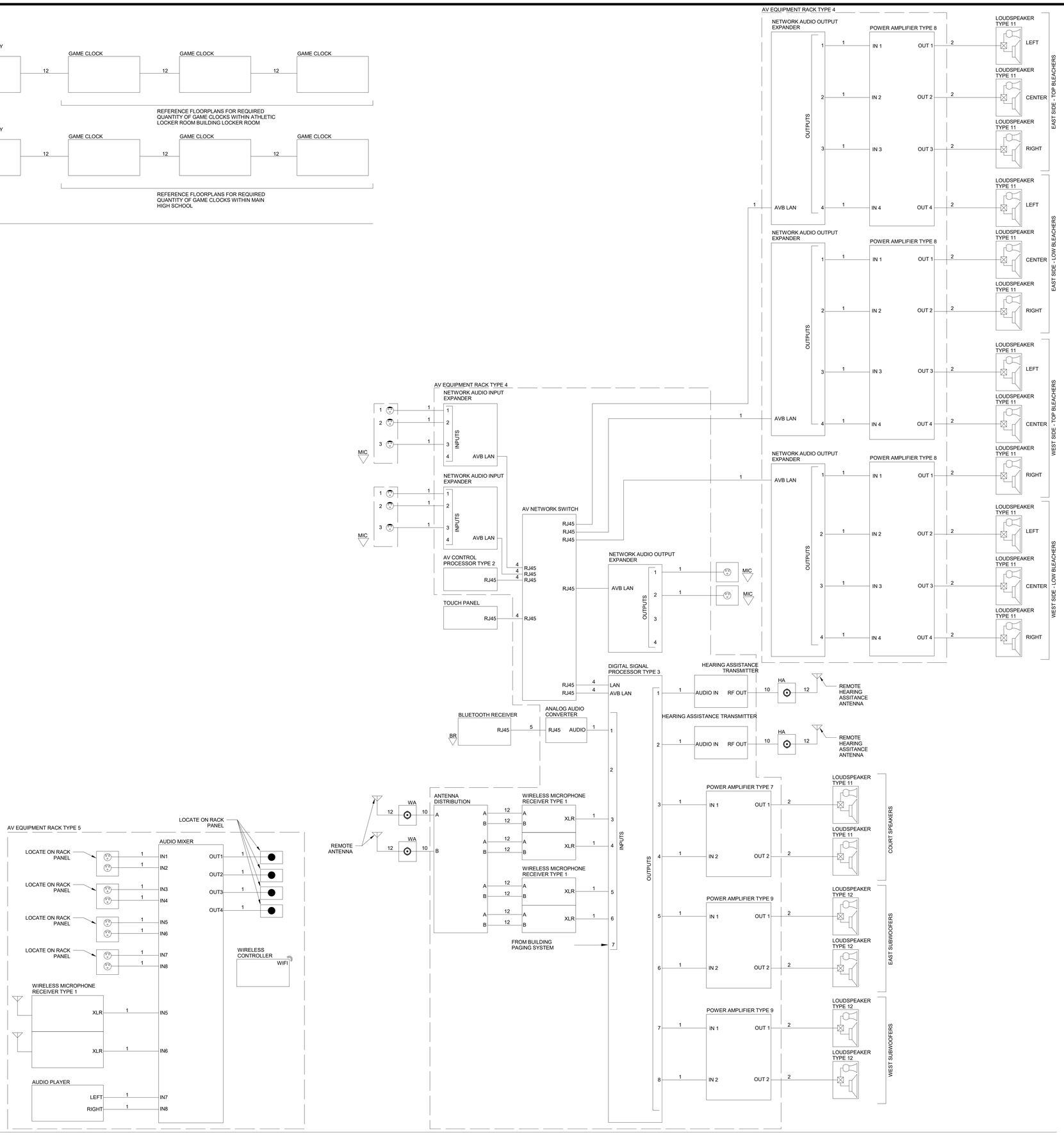

2 MAIN GYMNASIUM AV DIAGRAM
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AV CABLING LEGEND

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3 16 AWG LOUDSPEAKER CABLING
4 UTP CABLING
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AV CABLING LEGEND

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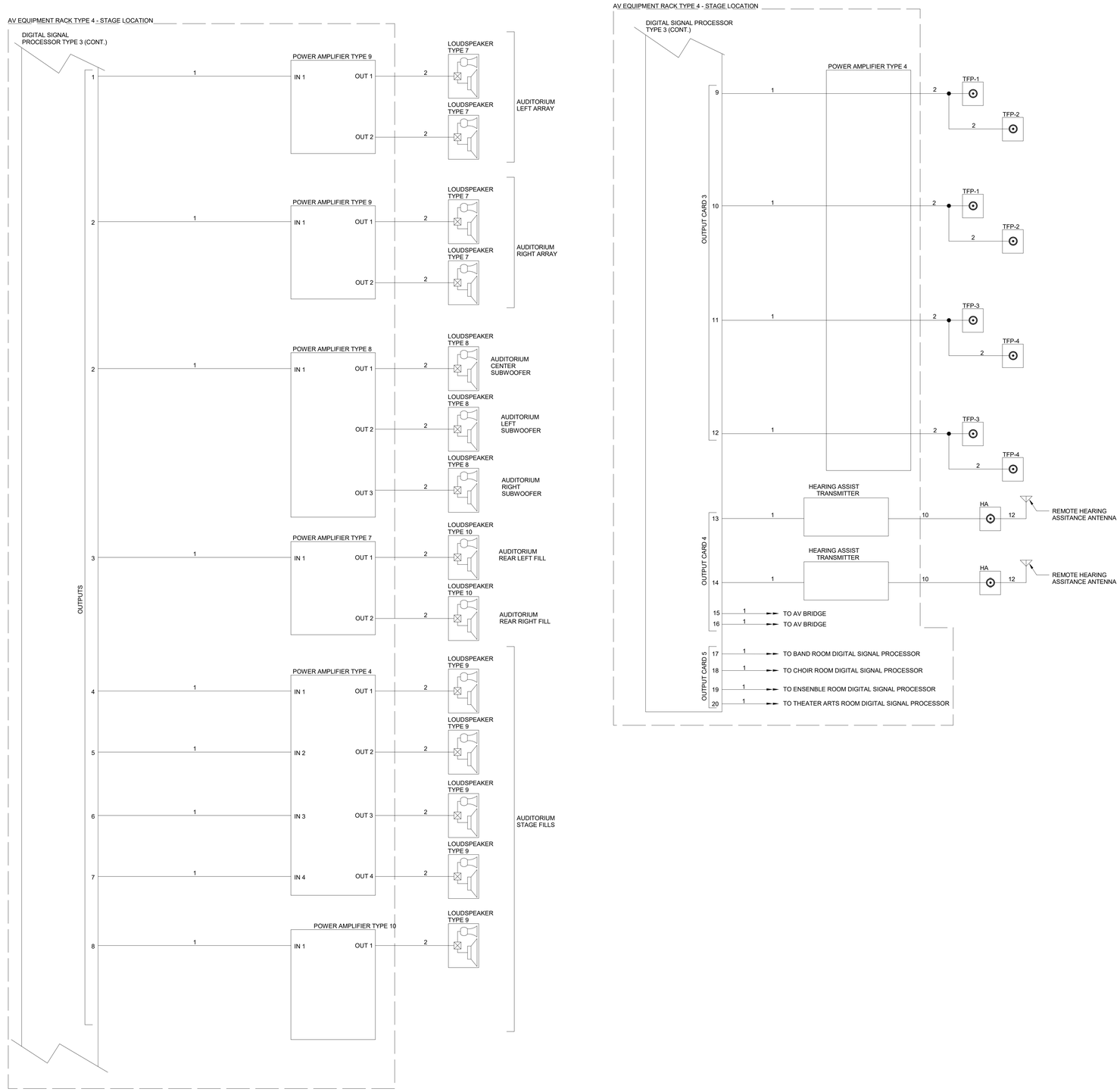

1 AUDITORIUM LOUDSPEAKER DIAGRAM
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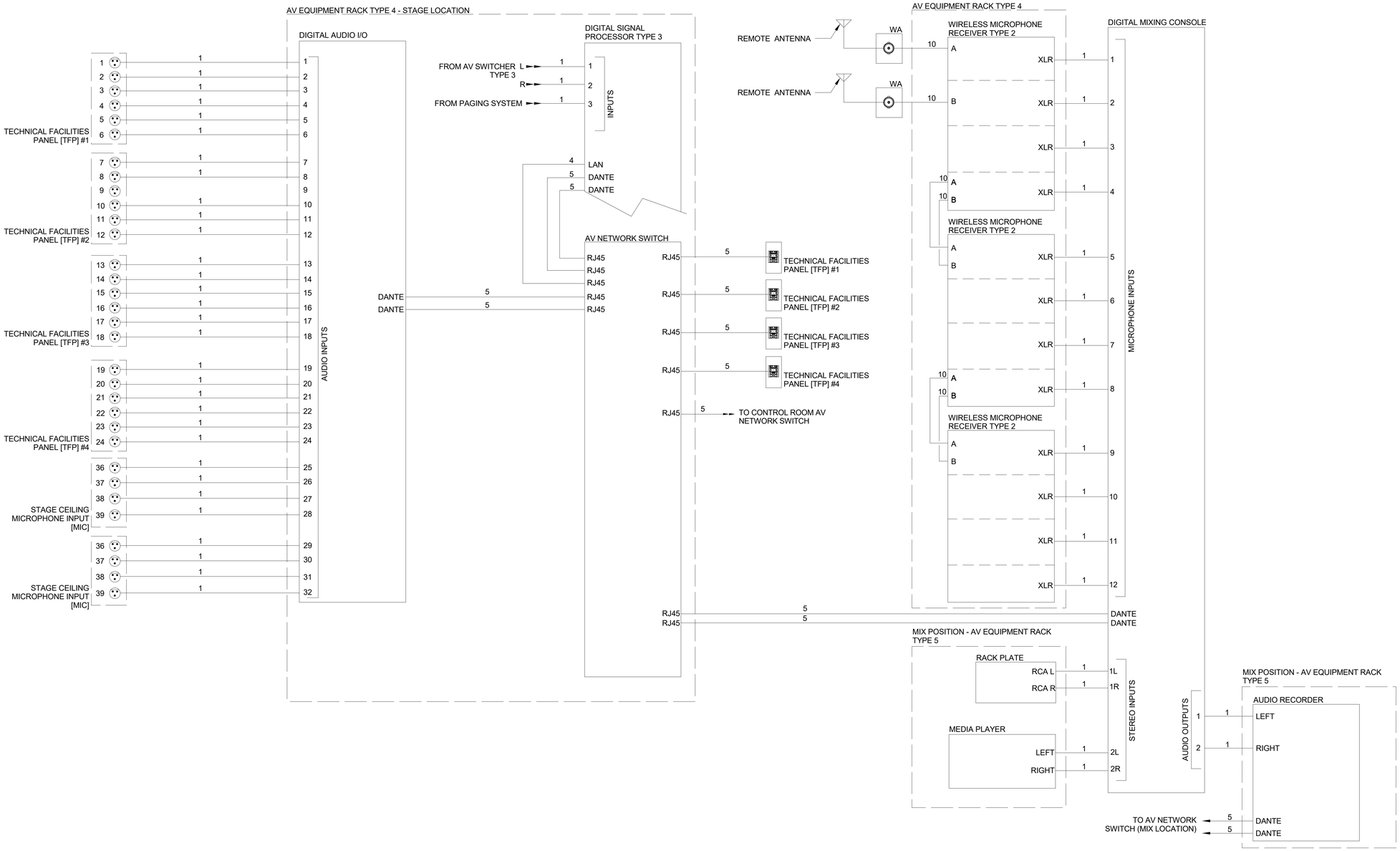

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

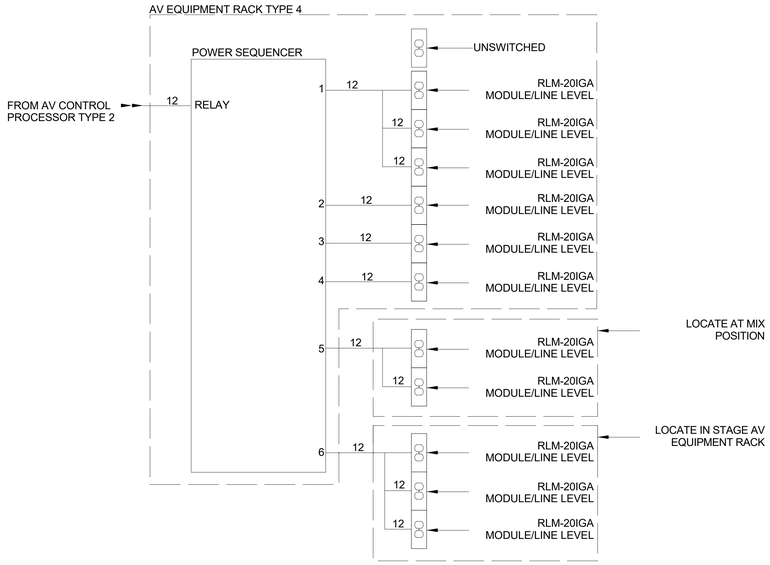
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: AV DIAGRAMS

SHEET: T316
COMM #: 2265

1/16/2024 9:25:40 AM

AV CABLING LEGEND

1 BALANCED MICROPHONE/LINE LEVEL CABLING
2 12 AWG LOUDSPEAKER CABLING
3 16 AWG LOUDSPEAKER CABLING
4 UTP CABLING
5 STP CABLING
6 HDMI CABLING
7 USB CABLING
8 RS-232 CABLING
9 RELAY CABLING
10 RF CABLING
11 SDI CABLING
12 MANUFACTURER RECOMMEND CABLING



1 AUDITORIUM POWER SEQUENCING DIAGRAM
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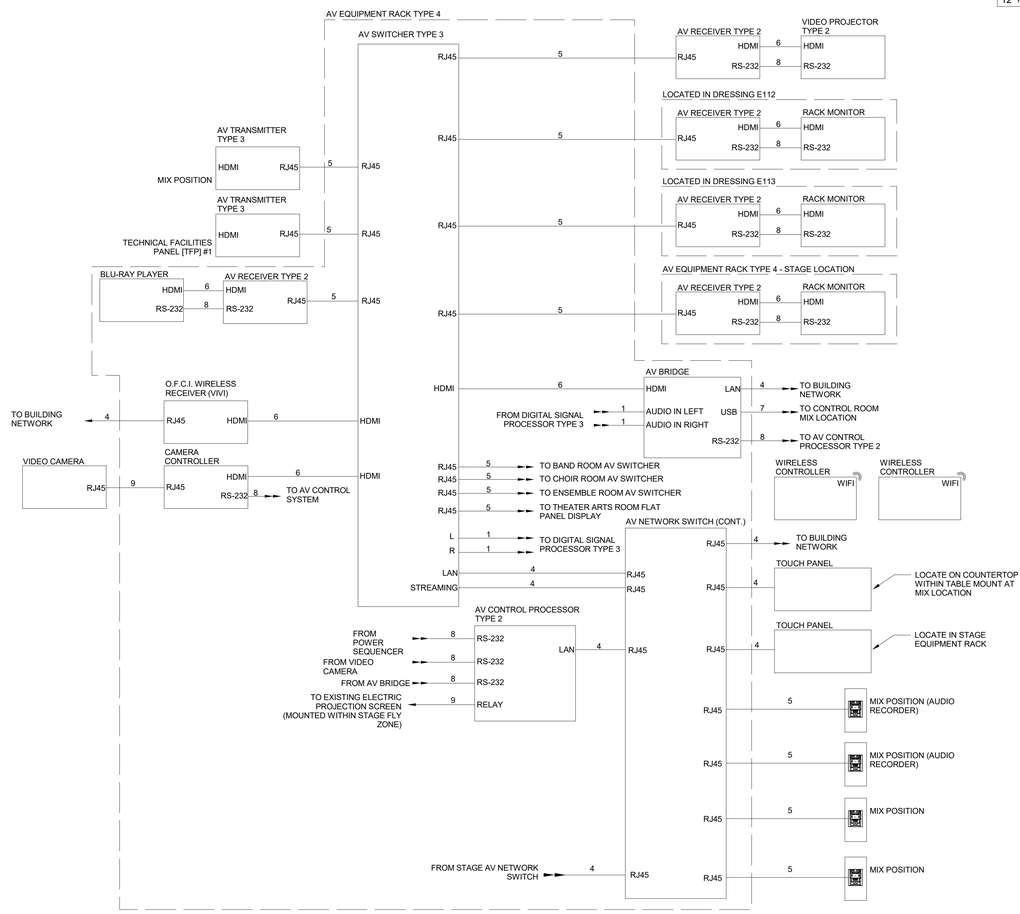

2 AUDITORIUM AUDIO-VISUAL SYSTEM DIAGRAM
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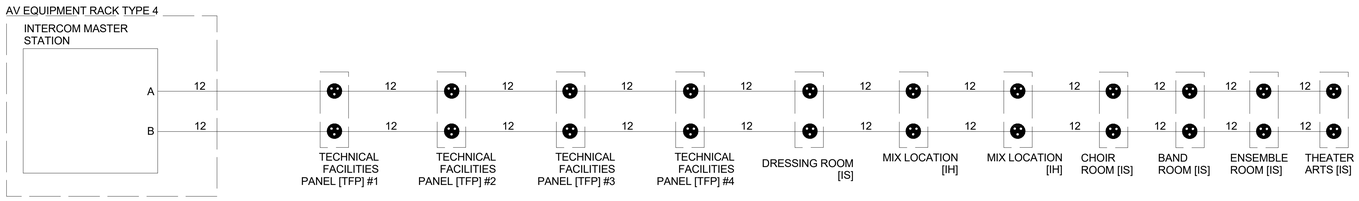

3 AUDITORIUM INTERCOM DIAGRAM
N.T.S.

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

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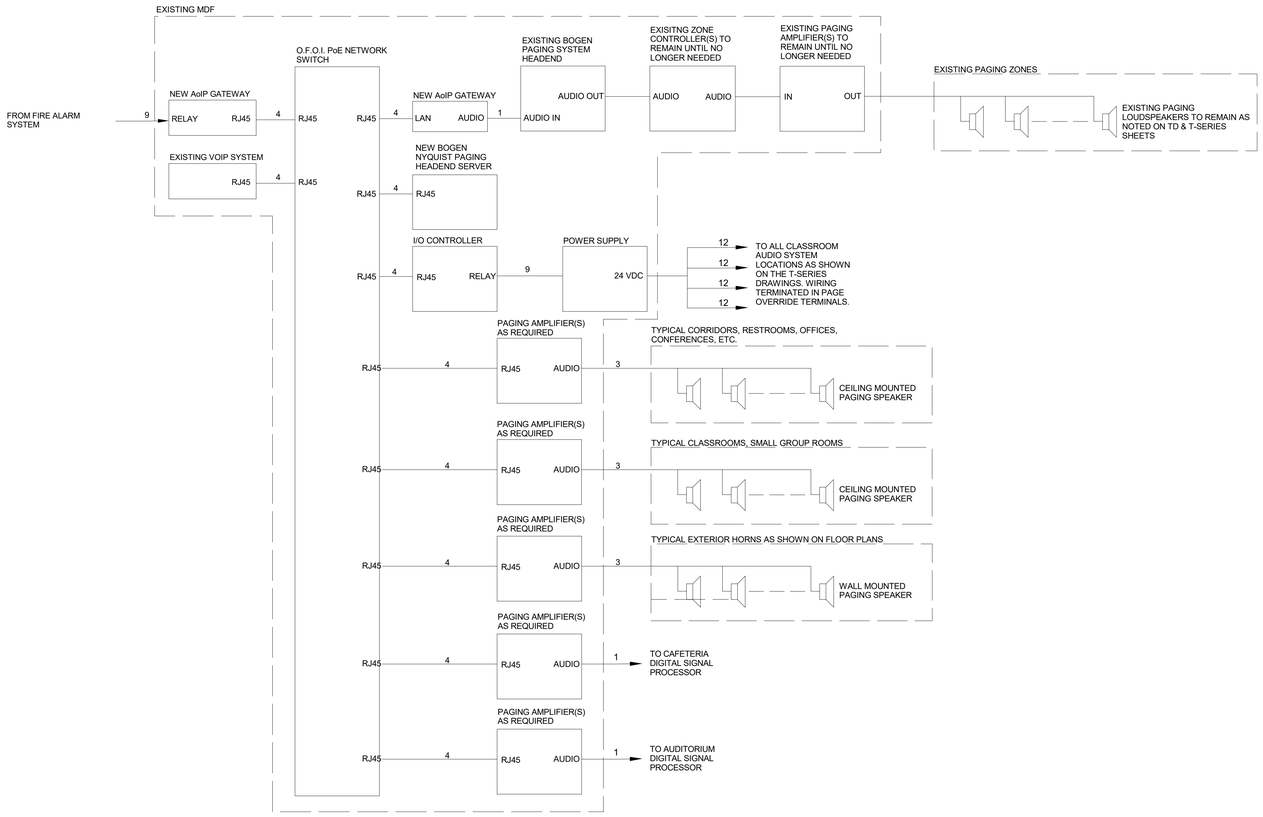
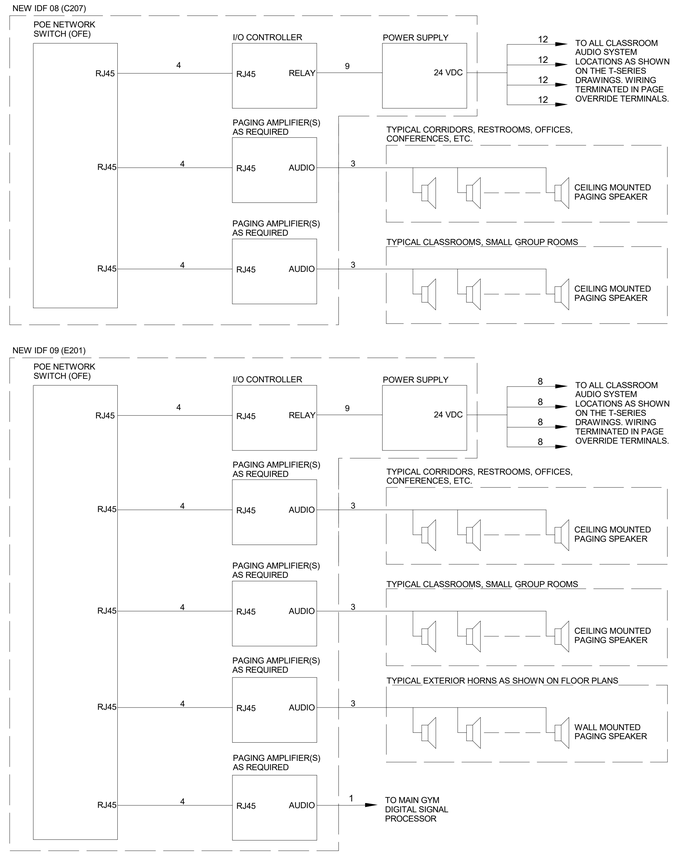
DATE: JANUARY 16, 2024
SHEET NAME: AV DIAGRAMS

SHEET: T317
COMM #: 2265

AV CABLING LEGEND	
1	BALANCED MICROPHONE/LINE LEVEL CABLING
2	12 AWG LOUDSPEAKER CABLING
3	16 AWG LOUDSPEAKER CABLING
4	UTP CABLING
5	STP CABLING
6	HDMI CABLING
7	USB CABLING
8	RS-232 CABLING
9	RELAY CABLING
10	RF CABLING
11	SDI CABLING
12	MANUFACTURER RECOMMEND CABLING

*NOTE: EXISTING PAGING SYSTEM HEADEND SHALL REMAIN ACTIVE THROUGHOUT CONSTRUCTION. UPON COMPLETION, EXISTING HEADEND SHALL BE REMOVED. EXISTING PAGING ZONE CONTROLLERS, AMPLIFIERS, AND SPEAKERS MAY REMAIN AS REQUIRED TO ENSURE ALL AREAS OF THE BUILDING REMAIN ACTIVE. NEW SYSTEM HEADEND SHALL SEND PAGING SIGNALS TO EXISTING EQUIPMENT. COORDINATE CONNECTIVITY BETWEEN SYSTEMS WITH MANUFACTURER AS REQUIRED.





1 PAGING DIAGRAM - PART 1
N.T.S.

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RENOVATIONS AND ADDITIONS TO:
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DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

1	INDICATES REVISION AND DATE
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	PAGING DIAGRAM - PART 1
SHEET:	T318
COMM #:	2265

1/16/2024 9:25:41 AM

AV CABLING LEGEND

1	BALANCED MICROPHONE/LINE LEVEL CABLING
2	12 AWG LOUDSPEAKER CABLING
3	16 AWG LOUDSPEAKER CABLING
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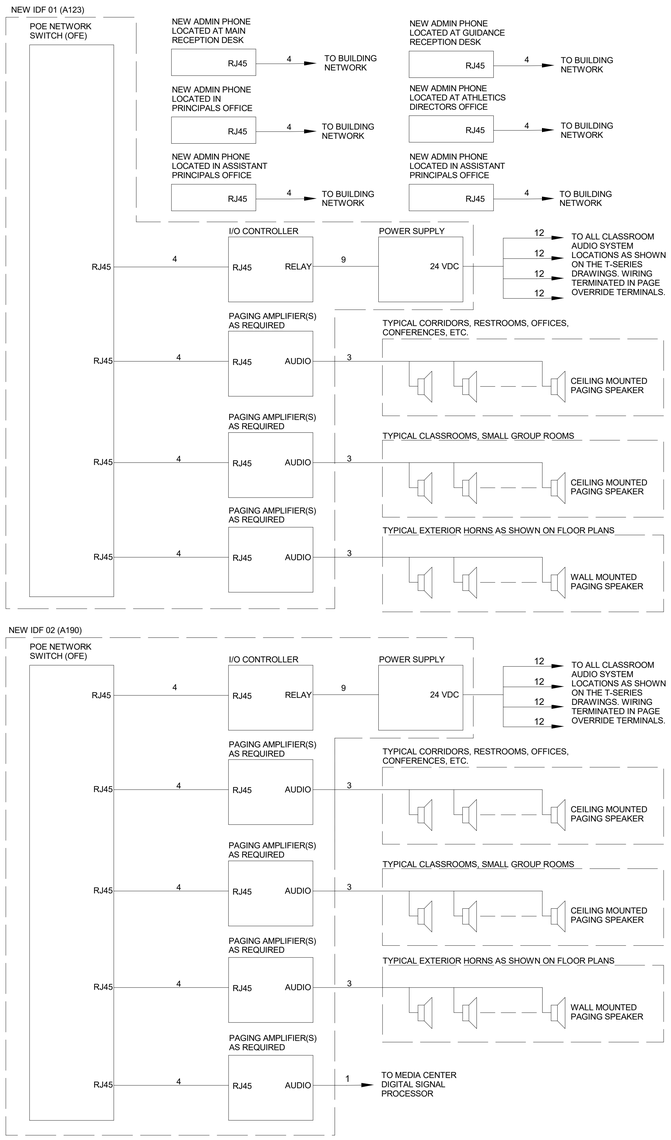
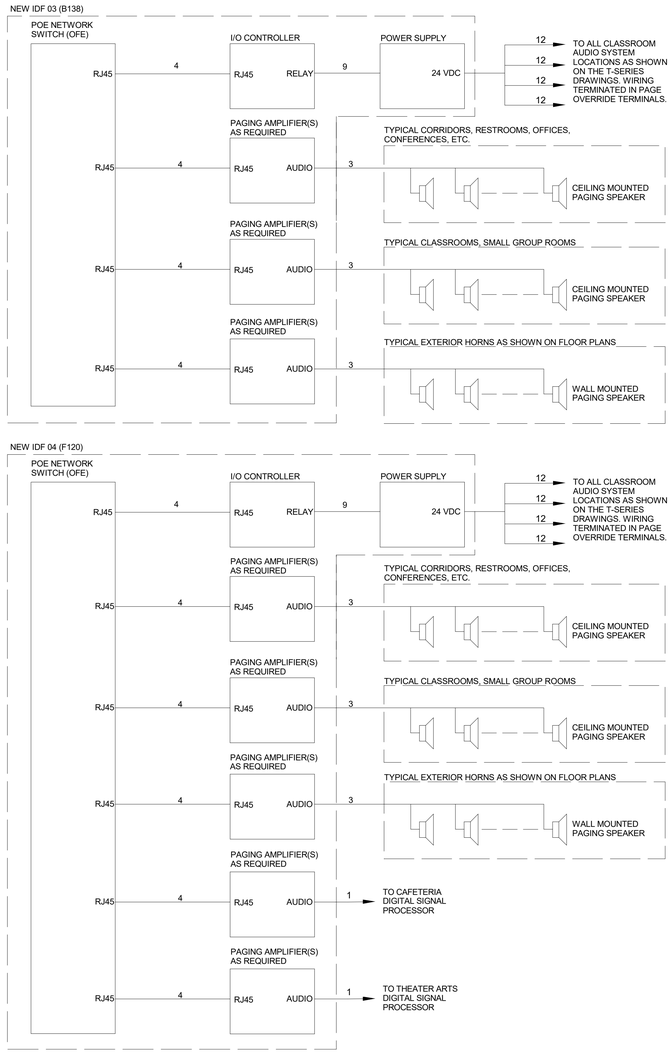
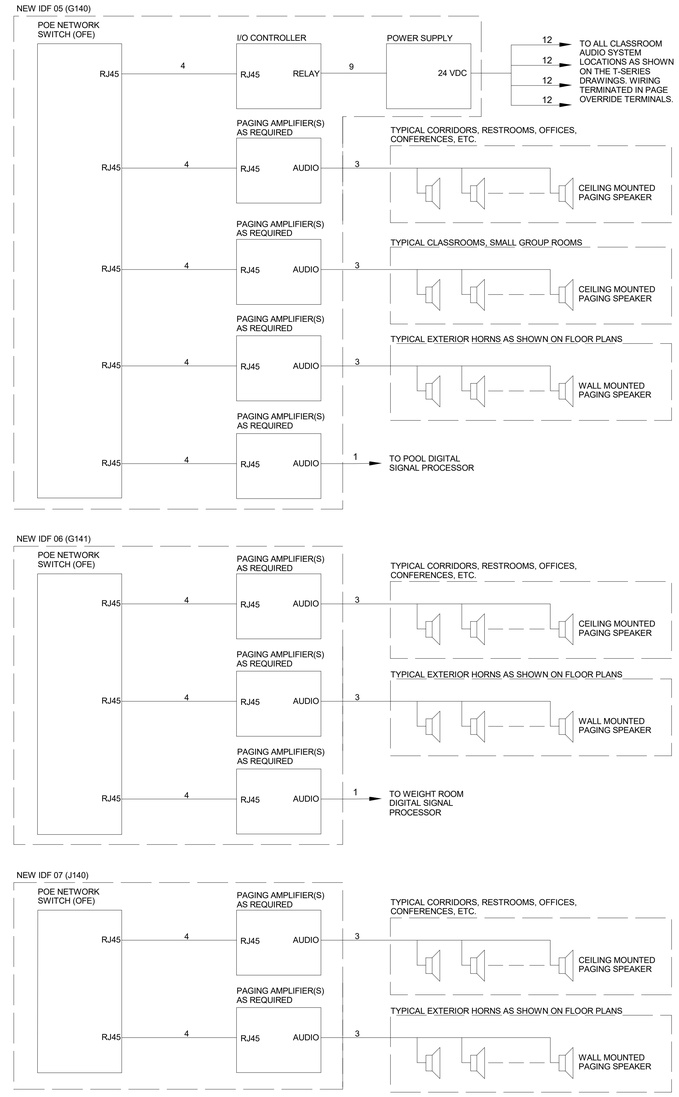
8	RS-232 CABLING
9	RELAY CABLING
10	RF CABLING
11	SDI CABLING
12	MANUFACTURER RECOMMEND CABLING







1 PAGING DIAGRAM - PART 2
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DANVILLE, INDIANA

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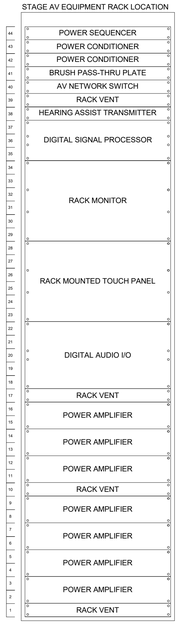

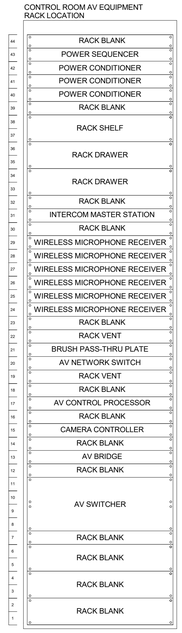

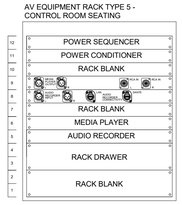

1 AUDITORIUM AV RACK ELEVATION
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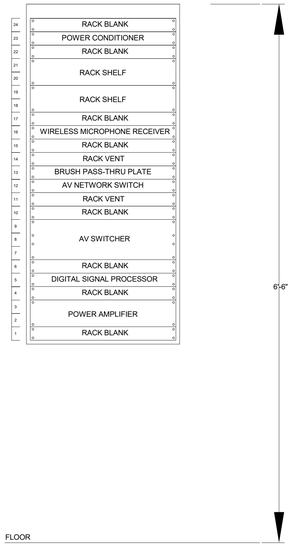

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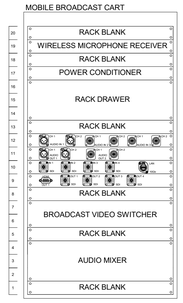

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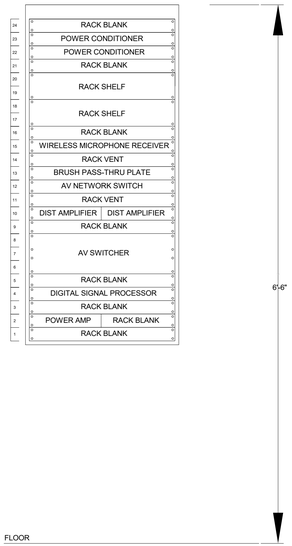

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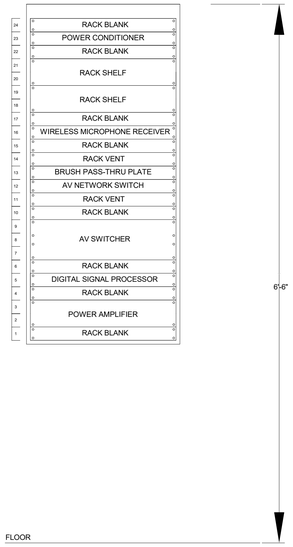

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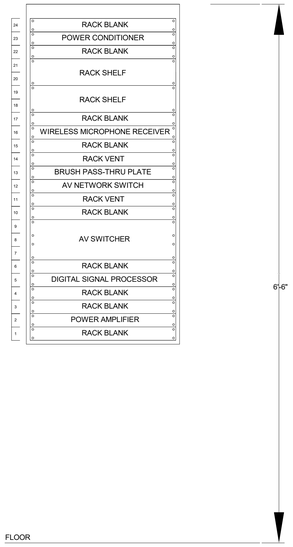

6 ENSEMBLE ROOM AV RACK ELEVATION
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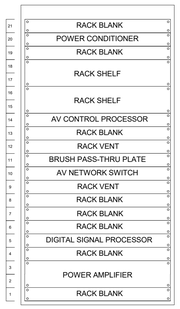

7 HOME FOOTBALL LOCKER ROOM AV RACK ELEVATION
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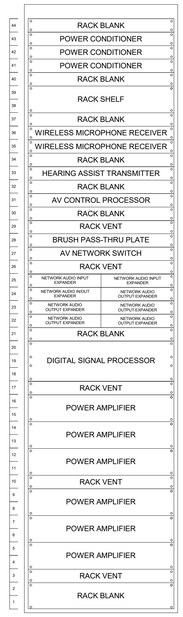

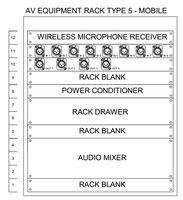

8 MAIN GYMNASIUM AV RACK ELEVATION
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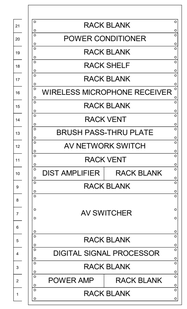

9 MEDIA CENTER AV RACK ELEVATION
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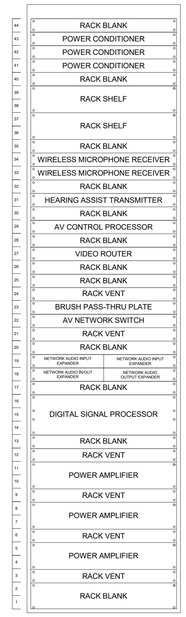

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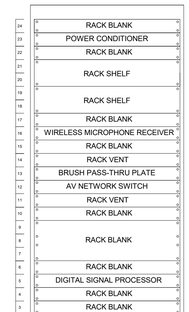

11 THEATER ARTS ROOM AV RACK ELEVATION
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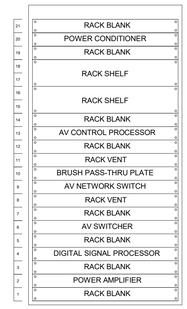

12 TYPICAL LOCKER ROOM AV RACK ELEVATION
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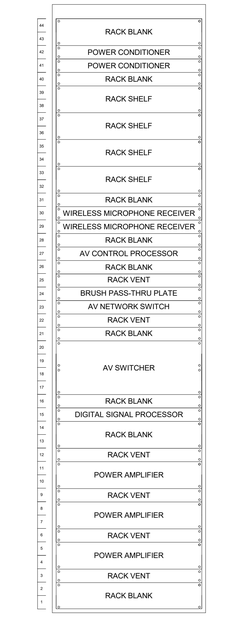

13 WEIGHT ROOM AV RACK ELEVATION
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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**

DRAWN BY: **SRH**

DATE: **JANUARY 16, 2024**

SHEET NAME:
AV RACK ELEVATIONS

SHEET:
T320

COMM #: 2265

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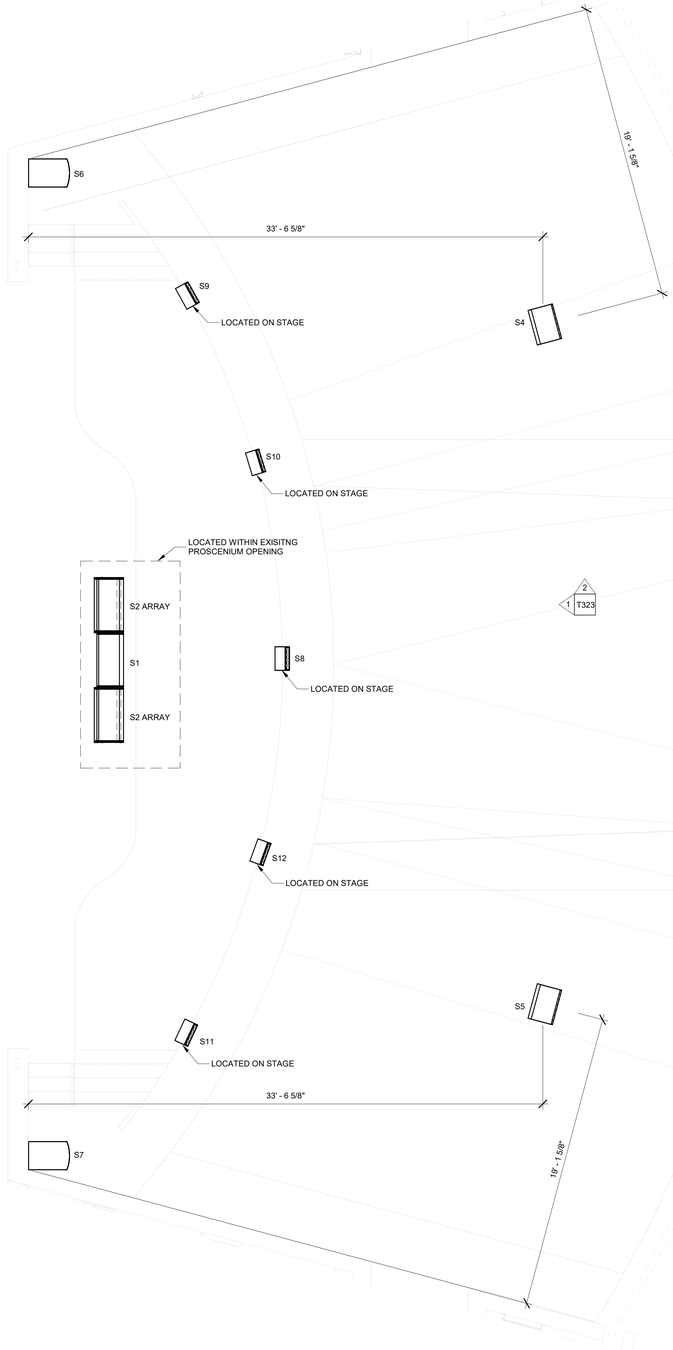


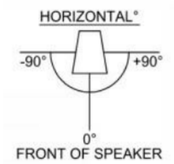
1 AUDITORIUM LOUDSPEAKER LAYOUT
1/4" = 1'-0"

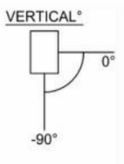
GENERAL HORIZONTAL CABLING NOTES

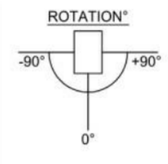
A	MINIMUM CATEGORY 6 COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
C	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
B	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

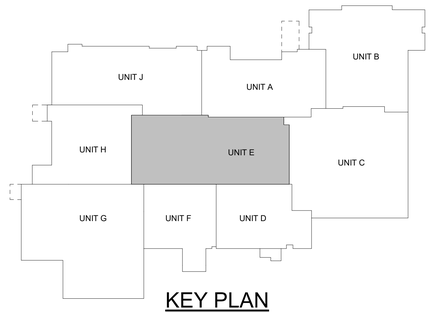
LOUDSPEAKER AIMING DETAILS

LOUDSPEAKER	VERTICAL ANGLE	HORIZONTAL ANGLE	ROTATION
S1	-8.5°	-8.5°	0°
S2 ARRAY	-8.5°	-8.5°	0°
S3	-0°	-0°	0°
S4	-30°	-30°	90°
S5	-30°	-30°	90°
S6	-30°	0°	0°
S7	0°	0°	0°
S8	0°	16°	90°
S9	16°	12°	90°
S10	12°	14°	90°
S11	14°	12°	90°
S12	12°	14°	90°









KEY PLAN

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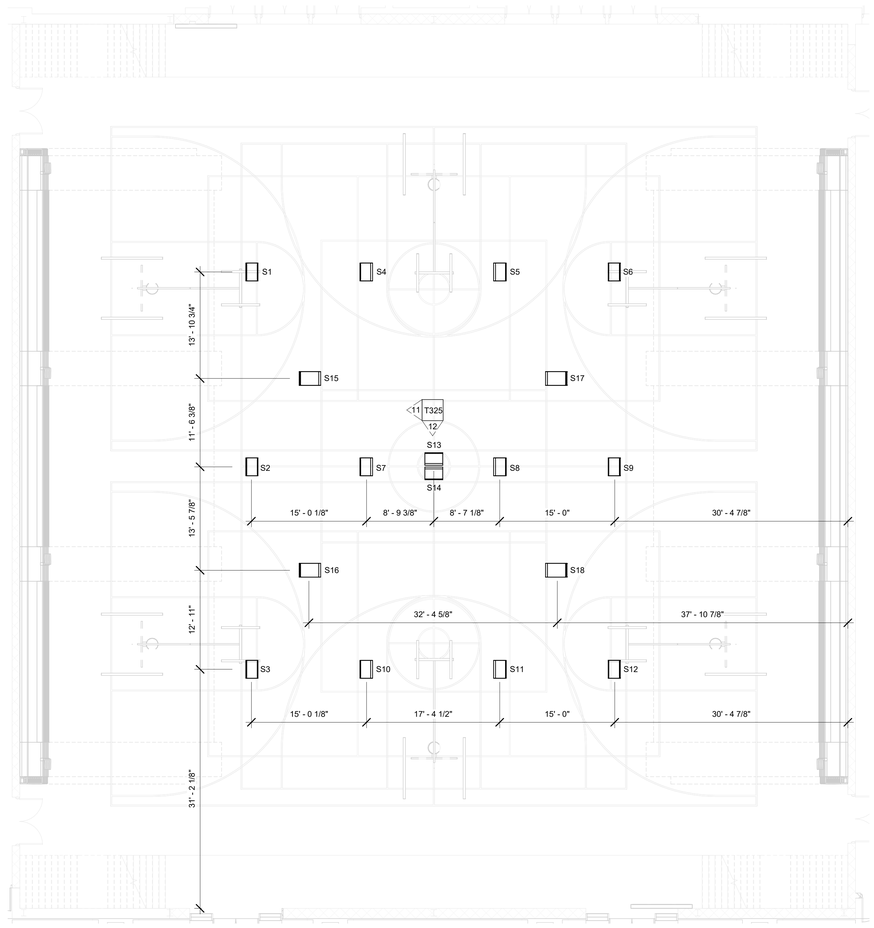
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: AUDITORIUM LOUDSPEAKER LAYOUT

SHEET: **T321**
COMM #: **2265**

1/16/2024 9:05:43 AM



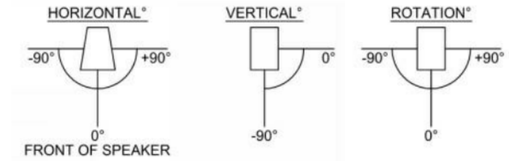
1 MAIN GYMNASIUM LOUDSPEAKER LAYOUT
1/8" = 1'-0"

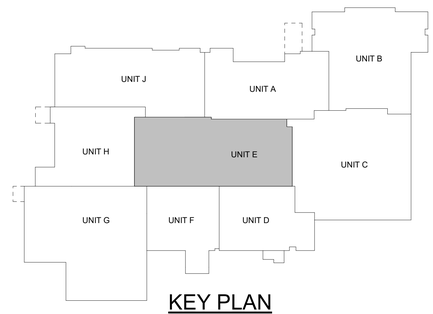
GENERAL HORIZONTAL CABLING NOTES

A	MINIMUM CATEGORY 6 COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
C	CONTRACTOR SHALL PROVIDE A DOCUMENTED MANUFACTURER CERTIFIED SOLUTION INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
B	PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
D	PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
E	ALL PIN/PAIR ASSIGNMENTS SHALL BE T568B.
F	REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
G	LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
H	PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
I	ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

LOUDSPEAKER AIMING DETAILS

LOUDSPEAKER	VERTICAL ANGLE	HORIZONTAL ANGLE	ROTATION
S1	-12°	-90°	90°
S2	-12°	-90°	90°
S3	-12°	-90°	90°
S4	-36°	-90°	90°
S5	-36°	90°	-90°
S6	-12°	90°	-90°
S7	-36°	-90°	90°
S8	-36°	90°	-90°
S9	-12°	90°	-90°
S10	-36°	-90°	90°
S11	-36°	90°	-90°
S12	-12°	90°	-90°
S13	-34°	180°	0°
S14	-34°	0°	0°
S16	-8°	-90°	0°
S16	-8°	-90°	0°
S18	-8°	90°	0°
S18	-8°	90°	0°





KEY PLAN

BICSI Registered Communications Distribution Designer
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
RCDD

MEYER NAJEM

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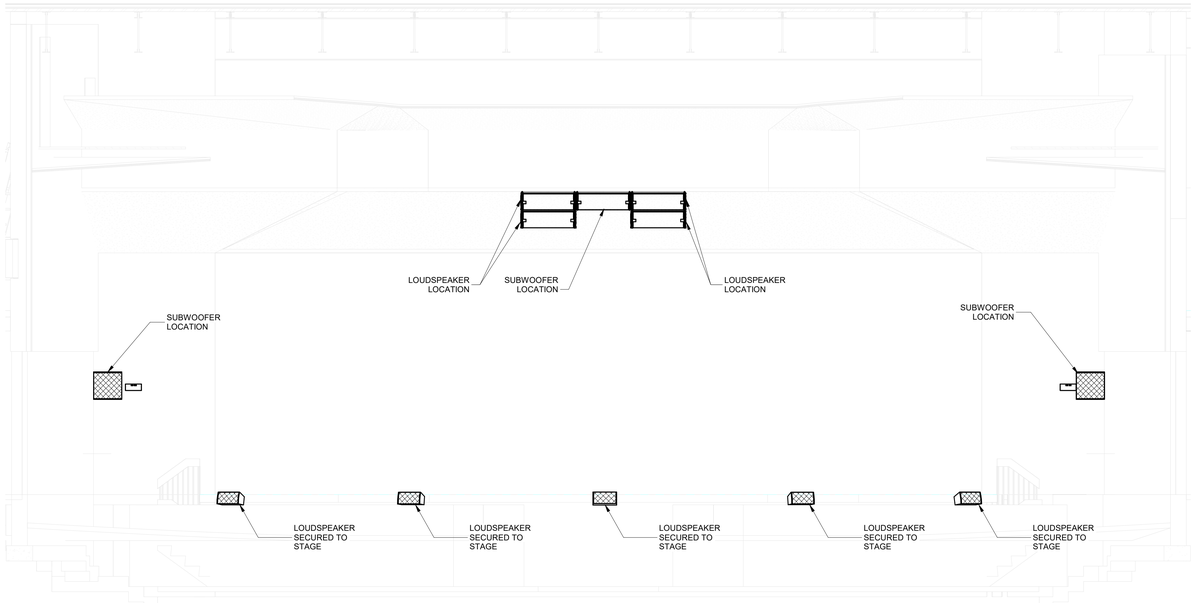
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	MAIN GYMNASIUM LOUDSPEAKER LAYOUT

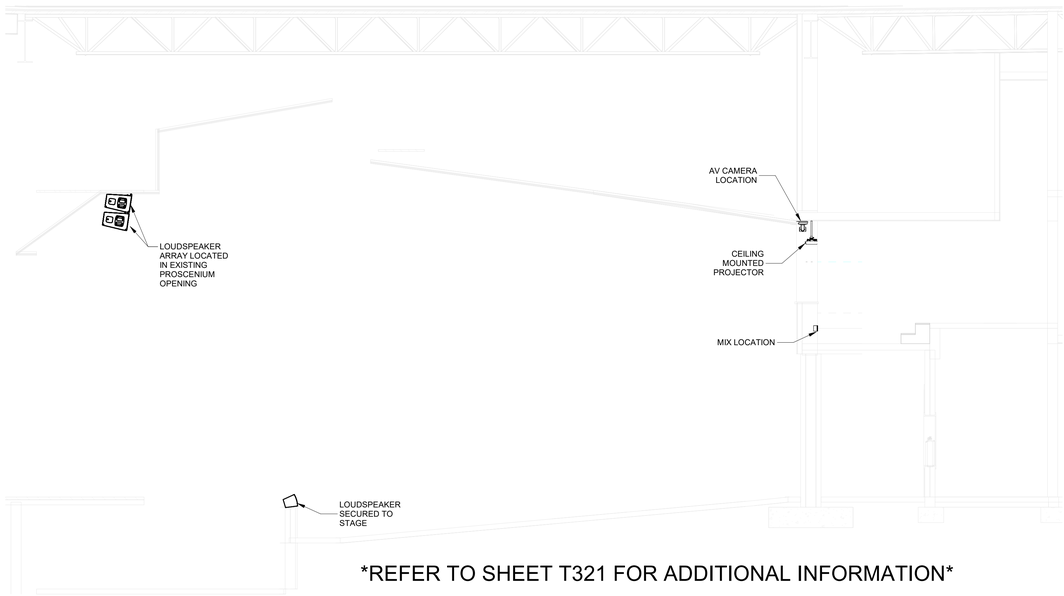
SHEET: **T322**
COMM #: 2265

11/4/2024 2:53:47 AM



REFER TO SHEET T321 FOR ADDITIONAL INFORMATION

1 AUDITORIUM E106 FRONT AV ELEVATION
1/4" = 1'-0"



REFER TO SHEET T321 FOR ADDITIONAL INFORMATION

2 AUDITORIUM E106 SIDE AV ELEVATION
1/4" = 1'-0"

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Douglas J Driscoll
BICSI ID # 123408
EXPIRES 01-31-26
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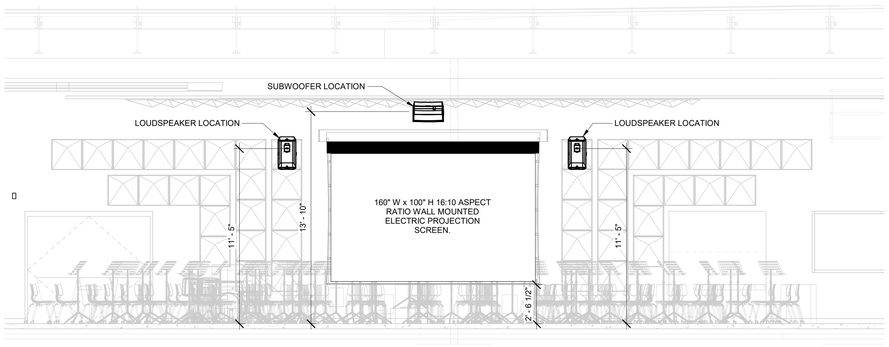
DANVILLE, INDIANA

INDICATES REVISION AND DATE

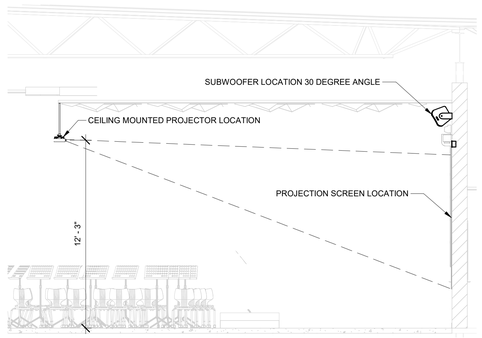
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: AV ELEVATIONS

SHEET: T323
COMM #: 2265

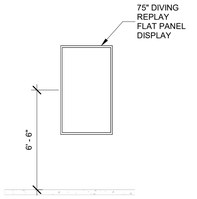
1/16/2024 2:53:33 AM



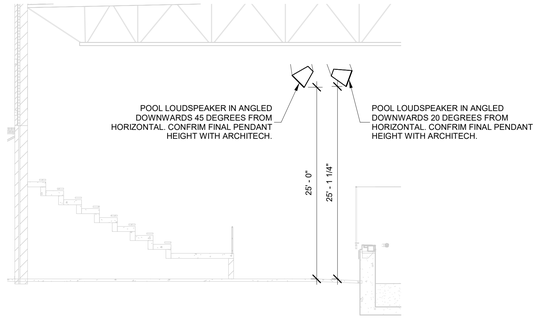
1 BAND E116 PROJECTION SCREEN AV ELEVATION - FRONT
1/4" = 1'-0"



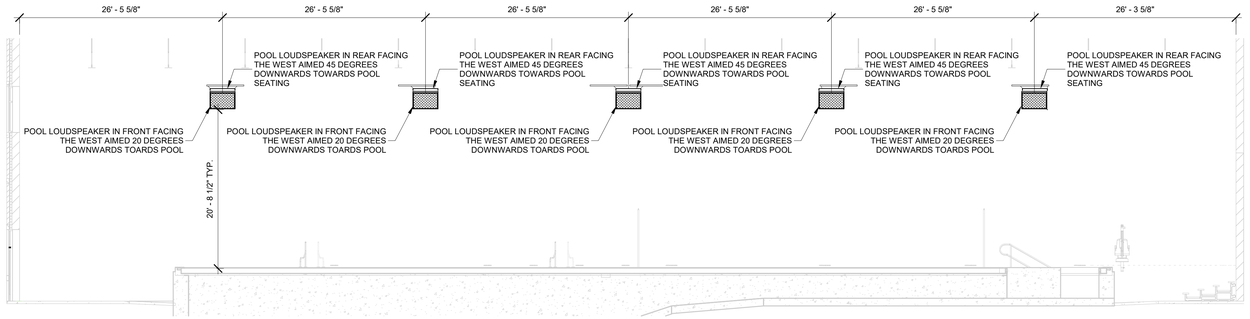
2 BAND E116 PROJECTION SCREEN AV ELEVATION - SIDE
1/4" = 1'-0"



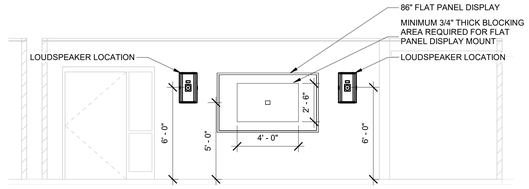
3 DIVING REPLAY SYSTEM AV ELEVATION
1/4" = 1'-0"



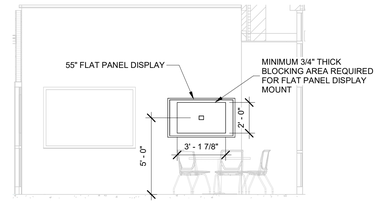
4 POOL LOUDSPEAKER ELEVATION - SIDE
1/8" = 1'-0"



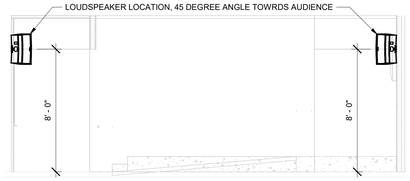
5 POOL LOUDSPEAKER ELEVATION - FRONT
1/8" = 1'-0"



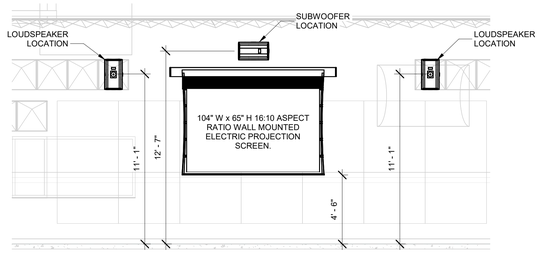
6 ENSEMBLE ROOM E130 AV ELEVATION
1/4" = 1'-0"



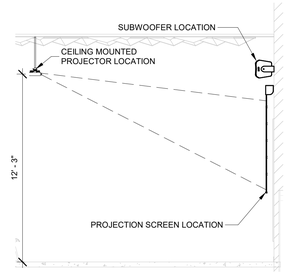
7 TYPICAL OFFICE FLAT PANEL DISPLAY ELEVATION
1/4" = 1'-0"



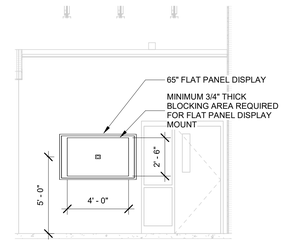
8 THEATER ARTS ROOM F102 AV ELEVATION
1/4" = 1'-0"



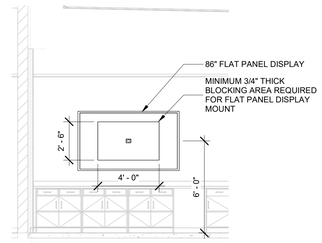
9 CHIOR ROOM E117 PROJECTION SCREEN AV ELEVATION - FRONT
1/4" = 1'-0"



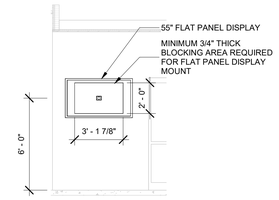
10 CHIOR ROOM E117 PROJECTION SCREEN AV ELEVATION - SIDE
1/4" = 1'-0"



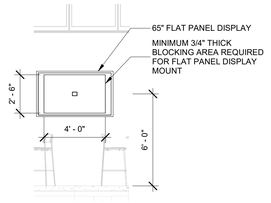
11 TYPICAL CONFERENCE ROOM AV ELEAVTION
1/4" = 1'-0"



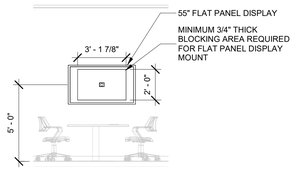
12 TYPICAL LARGE CONFERENCE ROOM AV ELEAVTION
1/4" = 1'-0"



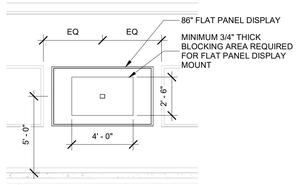
13 TYPICAL 55" DIGITAL SIGNAGE ELEVATION
1/4" = 1'-0"



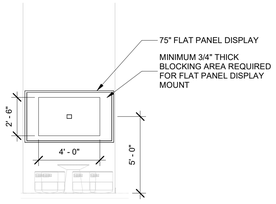
14 65" DIGITAL SIGNAGE ELEVATION
1/4" = 1'-0"



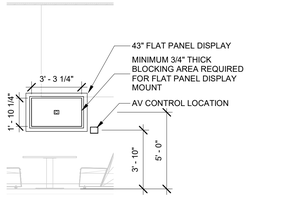
15 TYPICAL SMALL GROUP ROOM AV ELEVATION
1/4" = 1'-0"



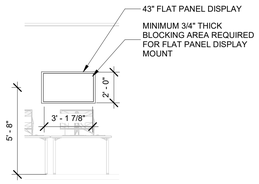
16 TYPICAL CLASSROOM AV ELEVATION
1/4" = 1'-0"



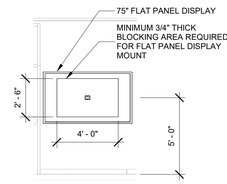
17 TYPICAL MEDIA CENTER MONITOR ELEVATION
1/4" = 1'-0"



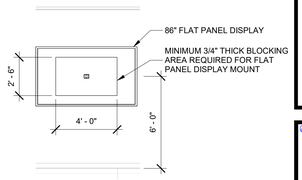
18 43" LMC FLAT PANEL DISPLAY SMALL GROUP AV ELEVATION
1/4" = 1'-0"



19 TYPICAL 43" FLAT PANEL DISPLAY BUSINESS CPU C152 AV ELEVATION
1/4" = 1'-0"



20 TYPICAL 75" FLAT PANEL DISPLAY BUSINESS CPU C152 AV ELEVATION
1/4" = 1'-0"



21 MEDIA RM. A140.1 AV ELEVATION
1/4" = 1'-0"

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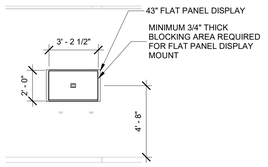
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

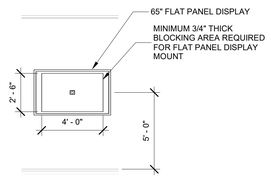
INDICATES REVISION AND DATE	
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	AV ELEVATIONS

SHEET: **T324**
COMM #: 2265

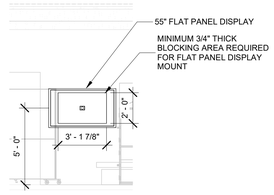
1/16/2024 9:49:13 AM



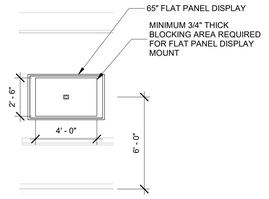
1 TYPICAL SMALL CONFERENCE ROOM AV ELEVATION
1/4" = 1'-0"



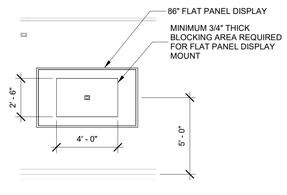
2 TYPICAL 65" FLAT PANEL DISPLAY AV ELEVATION
1/4" = 1'-0"



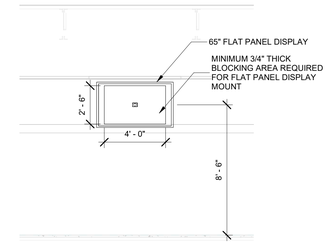
3 TYPICAL LOCKER ROOM AV ELEVATION
1/4" = 1'-0"



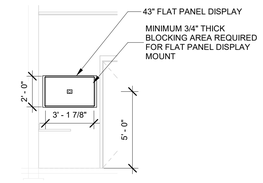
4 TECH OFFICE C153 AV ELEVATION
1/4" = 1'-0"



5 TYPICAL 86" FLAT PANEL DISPLAY AV ELEVATION
1/4" = 1'-0"



6 KITCHEN D109 AV ELEVATION
1/4" = 1'-0"



7 TYPICAL DRESSING AV ELEVATION
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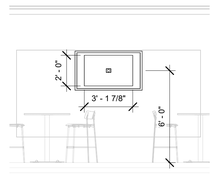

8 CORRIDOR C154 DIGITAL SIGNAGE AV ELEVATION
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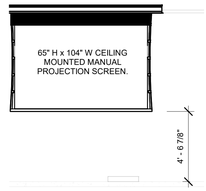
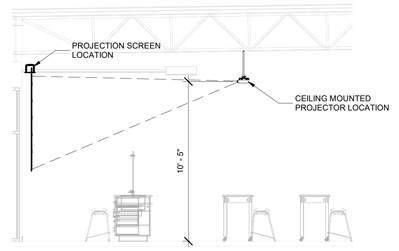
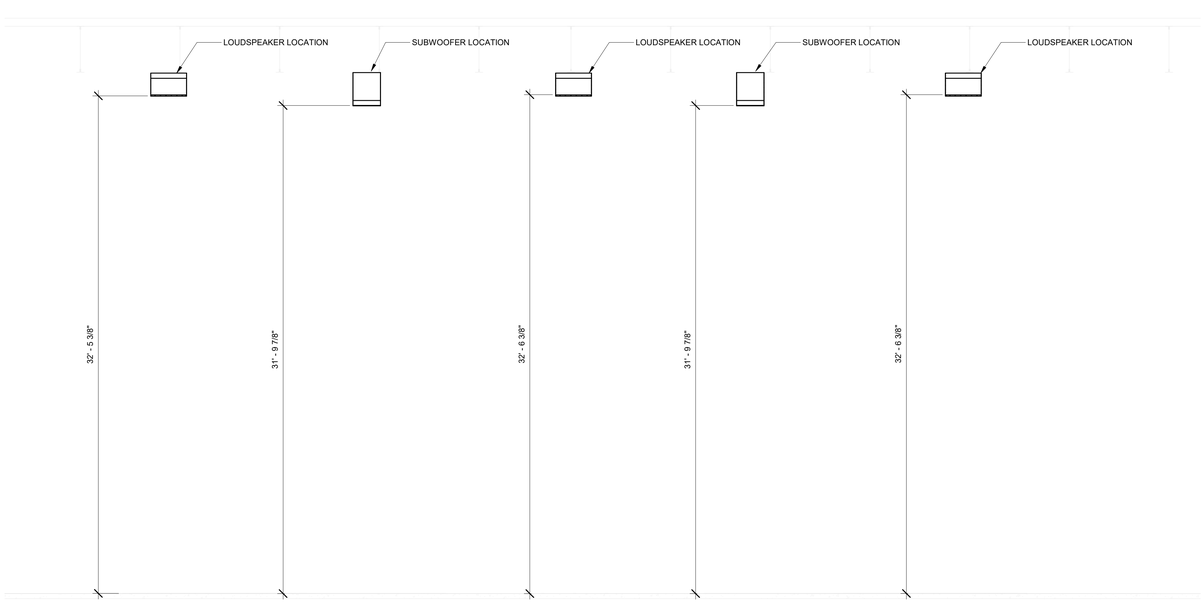


9 AG LAB F107 PROJECTION SCREEN AV ELEVATION - FRONT
1/4" = 1'-0"

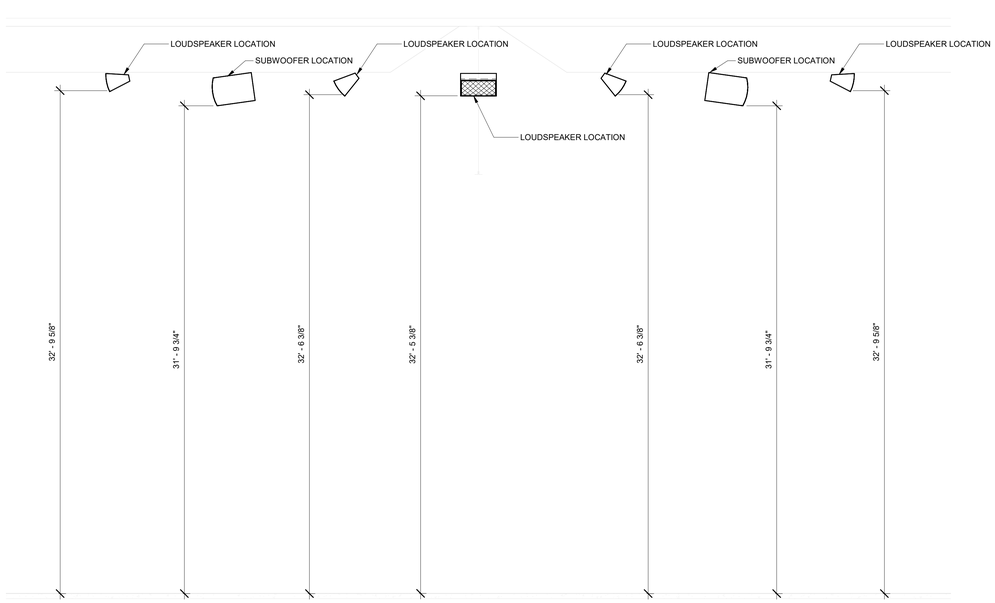


10 AG LAB F107 PROJECTION SCREEN AV ELEVATION - SIDE
1/4" = 1'-0"



REFER TO SHEET T322 FOR ADDITIONAL INFORMATION

11 GYMNASIUM H103 AV ELEVATION - FRONT
1/4" = 1'-0"



REFER TO SHEET T322 FOR ADDITIONAL INFORMATION

12 GYMNASIUM H103 AV ELEVATION - SIDE
1/4" = 1'-0"

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317.536.8000
WWW.DESIGN27.COM

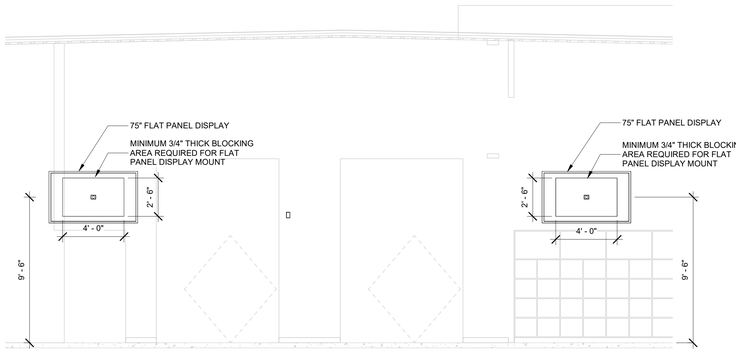
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: AV ELEVATIONS

SHEET: T325
COMM #: 2265

1/16/2024 7:24:23 AM



1 WEIGHT TRAINING G120 AV ELEVATION - NORTH
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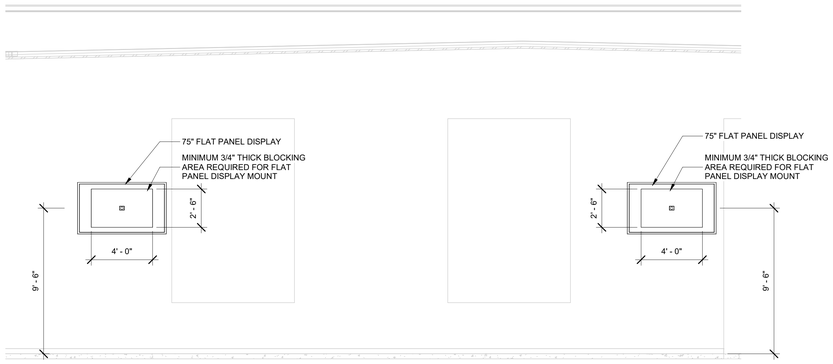

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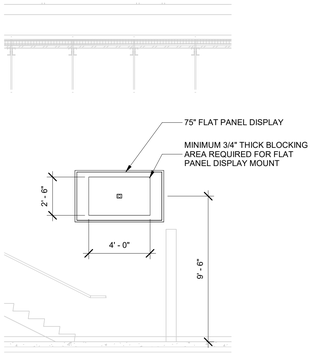

3 WEIGHT TRAINING G120 AV ELEVATION - EAST
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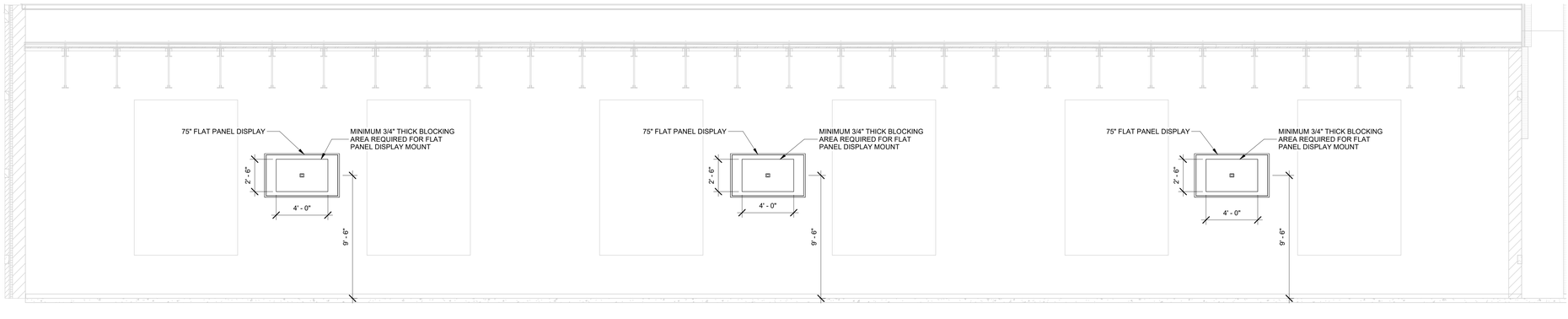

4 WEIGHT TRAINING G120 AV ELEVATION - WEST
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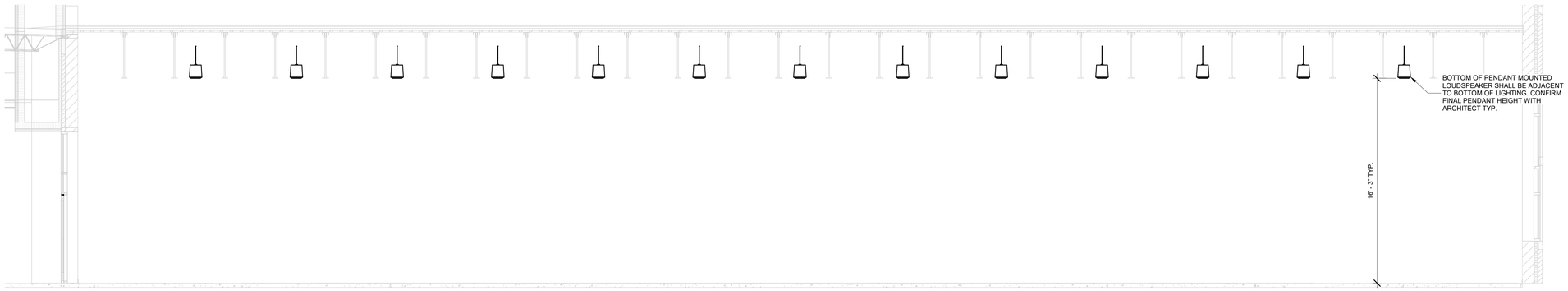
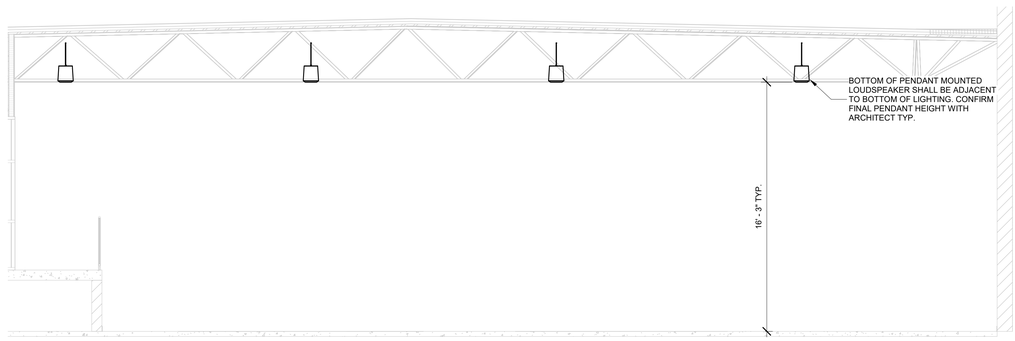


5 WEIGHT TRAINING G120 AV ELEVATION - FRONT (SPEAKERS)
1/4" = 1'-0"



6 WEIGHT TRAINING G120 AV ELEVATION - SIDE (SPEAKERS)
1/4" = 1'-0"

1/16/2024 9:24:31 AM

Bicsi
Douglas J Driscoll
BICSI ID # 125408
Expires 12-31-26
RCDD

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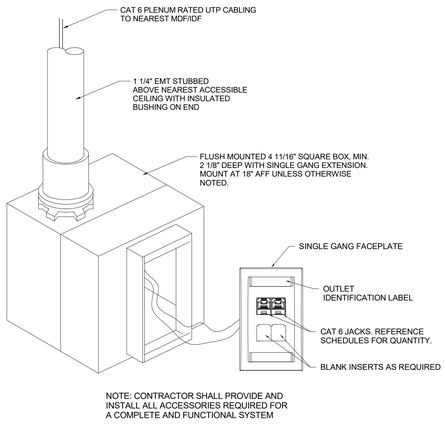
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: AV ELEVATIONS

SHEET: T326
COMM #: 2265



1 DATA LOCATION
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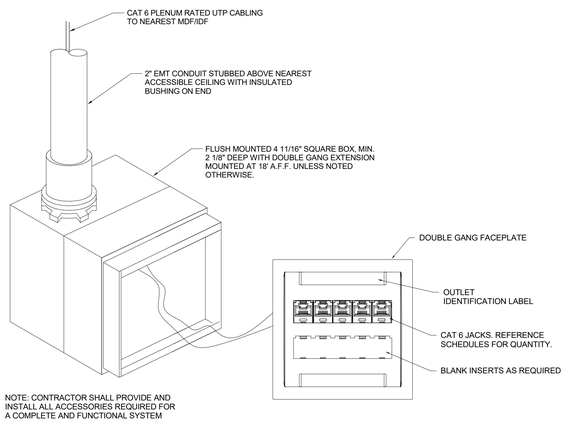

2 DATA LOCATION - DOUBLE GANG
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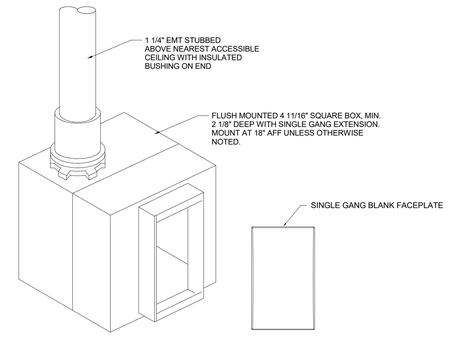

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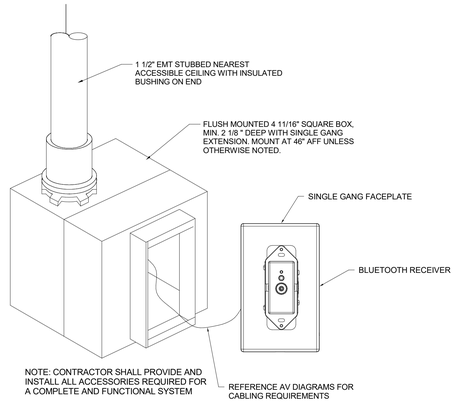

4 BLUETOOTH RECEIVER LOCATION
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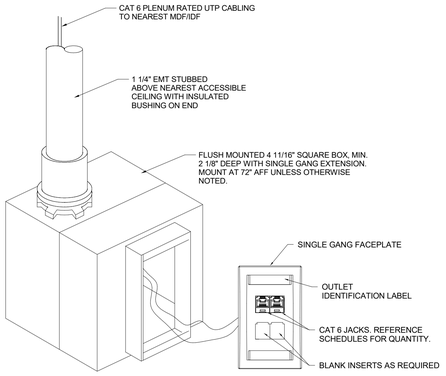

5 DIGITAL SIGNAGE LOCATION
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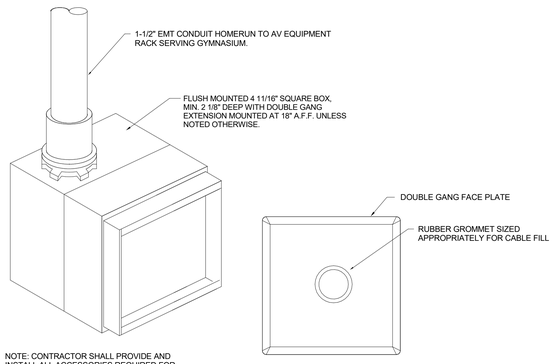

6 BLEACHER CONNECTION LOCATION
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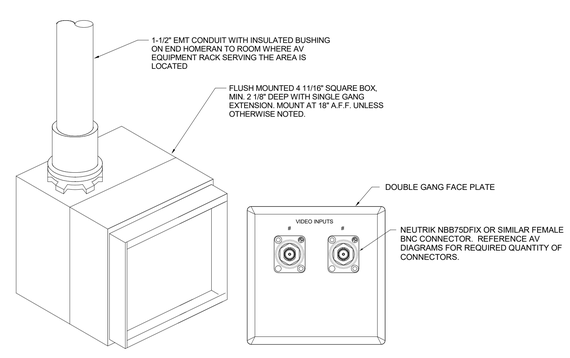
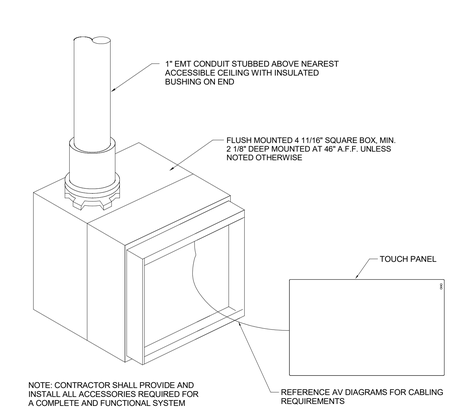


7 VIDEO CONNECTION LOCATION
N.T.S



8 TOUCH PANEL LOCATION
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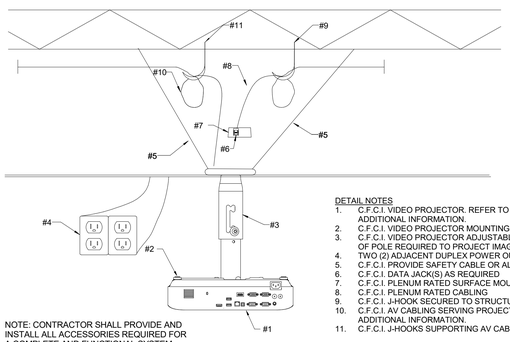

9 CELING MOUNTED PROJECTOR LOCATION
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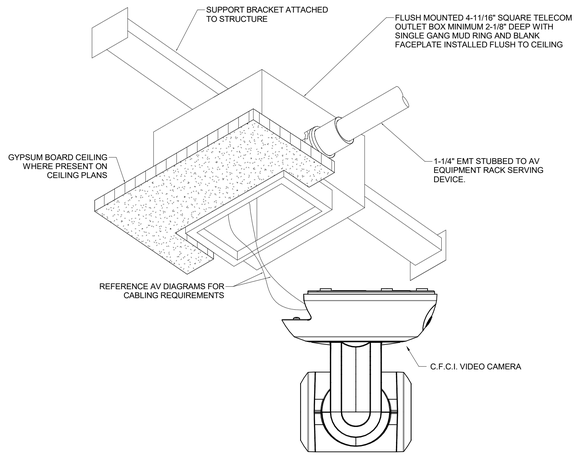

10 VIDEO CAMERA - CEILING MOUNTED
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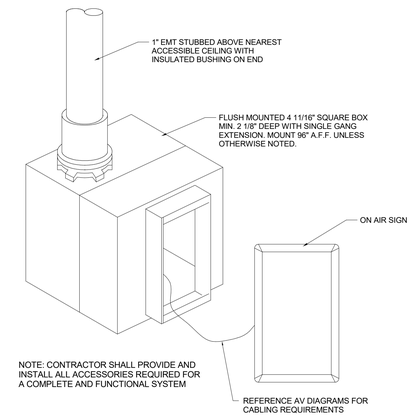

11 ON AIR SIGN LOCATION
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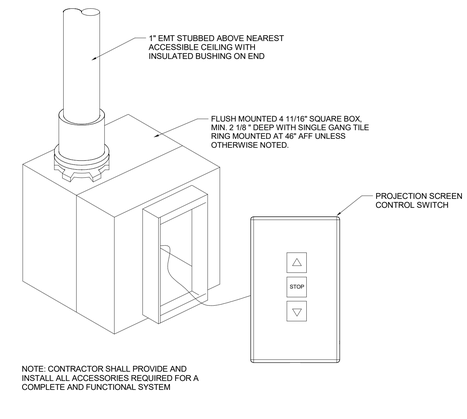

12 PROJECTION SCREEN CONTROL LOCATION
N.T.S.

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BICSI ID # 123408
EXPIRES 01-31-26
REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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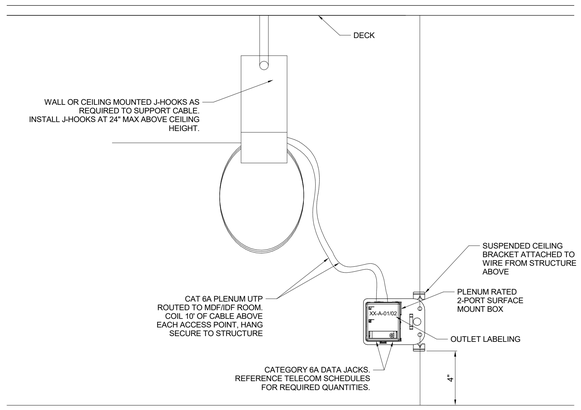
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME:
TECHNOLOGY DETAILS

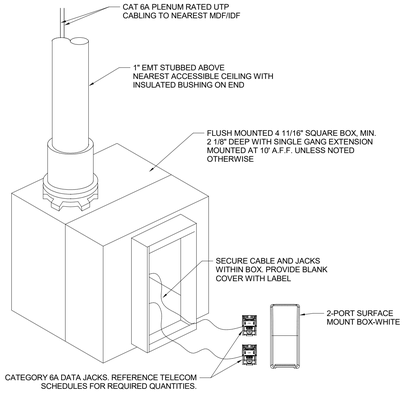
SHEET:
T400
COMM #: **2265**

1/16/2024 4:28:3 AM



NOTE: OWNER SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL WIRELESS ACCESS POINTS. OWNER SHALL ALSO SUPPLY AND INSTALL CAT 6A PATCH CORD FOR ALL WIRELESS ACCESS POINT LOCATIONS.

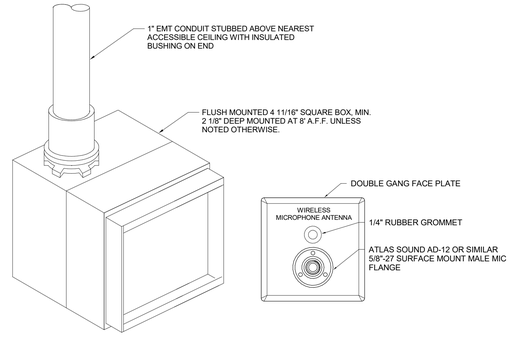
1 WIRELESS ACCESS POINT - CEILING MOUNTED
N.T.S. AP



NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A FUNCTIONAL AND COMPLETE SYSTEM

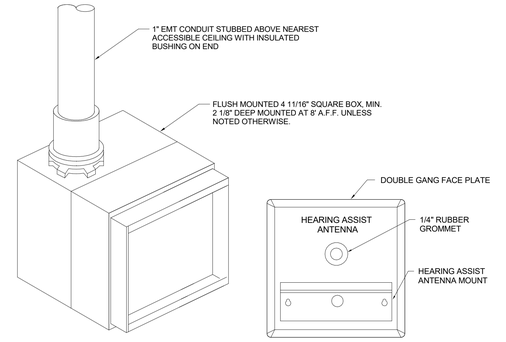
NOTE: OWNER SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL WIRELESS ACCESS POINTS. OWNER SHALL ALSO SUPPLY AND INSTALL CAT 6A PATCH CORD FOR ALL WIRELESS ACCESS POINT LOCATIONS.

2 WIRELESS ACCESS POINT - WALL MOUNTED
N.T.S. AP



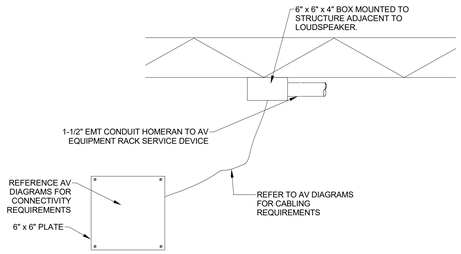
NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

3 WIRELESS MICROPHONE ANTENNA LOCATION
N.T.S. MA

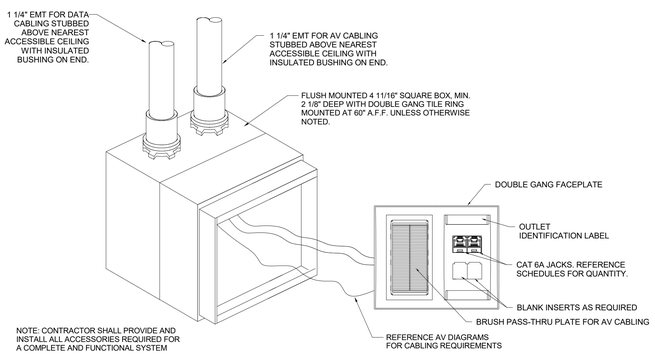


NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

4 HEARING ASSISTANCE ANTENNA LOCATION
N.T.S. HA

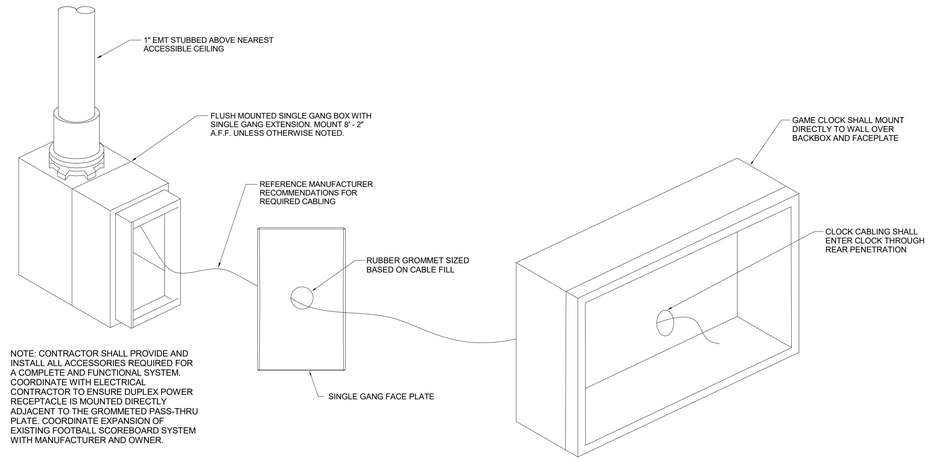


5 MICROPHONE LOCATION - CEILING MOUNTED
N.T.S. M



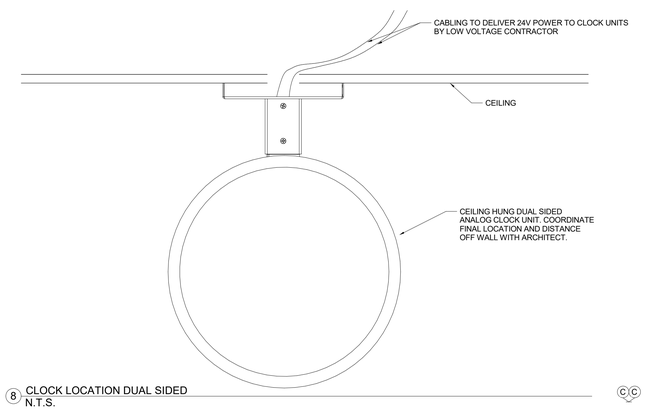
NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

6 MONITOR LOCATION
N.T.S. MON



NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM. COORDINATE WITH ELECTRICAL CONTRACTOR TO ENSURE DUPLEX POWER RECEPTACLE IS MOUNTED DIRECTLY ADJACENT TO THE GROMMETED PASS-THRU PLATE. COORDINATE EXPANSION OF EXISTING FOOTBALL SCOREBOARD SYSTEM WITH MANUFACTURER AND OWNER.

7 GAME CLOCK LOCATION
N.T.S. GC



8 CLOCK LOCATION DUAL SIDED
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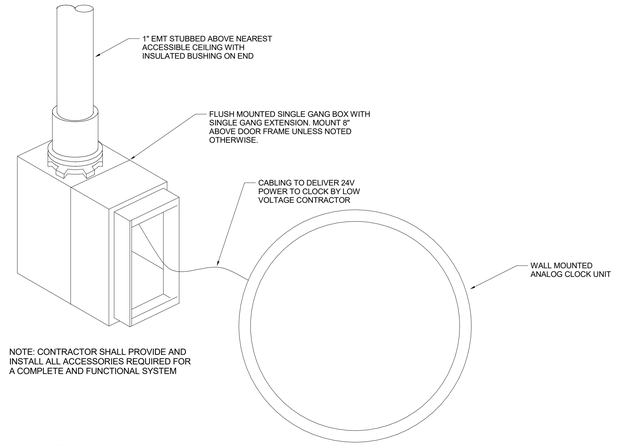

NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

9 CLOCK LOCATION
N.T.S. C

11/4/2024 9:24:22 AM

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BICSI ID # 123408
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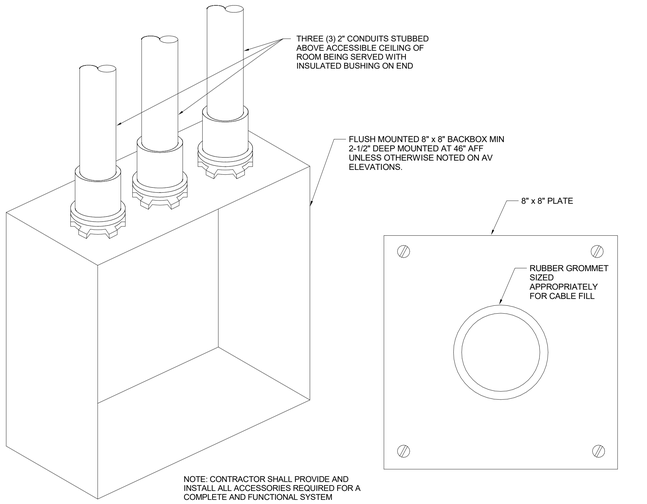
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **TECHNOLOGY DETAILS**

SHEET: **T401**
COMM #: **2265**



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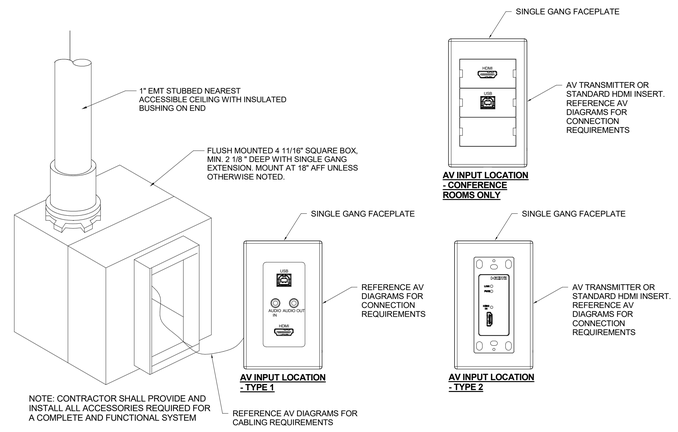

2 AV INPUT LOCATION
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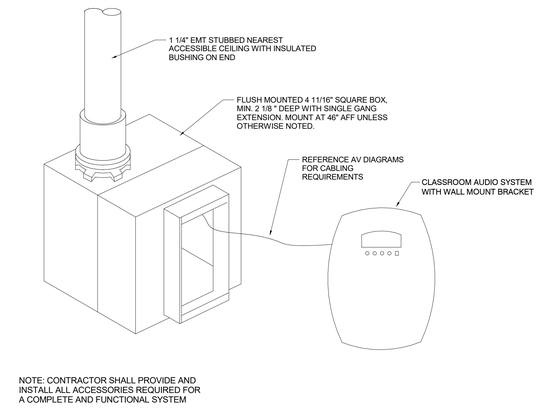

3 CLASSROOM AUDIO SYSTEM LOCATION
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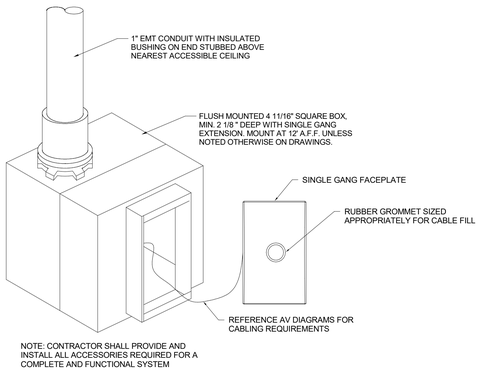

4 PAGING SPEAKER - WALL MOUNTED
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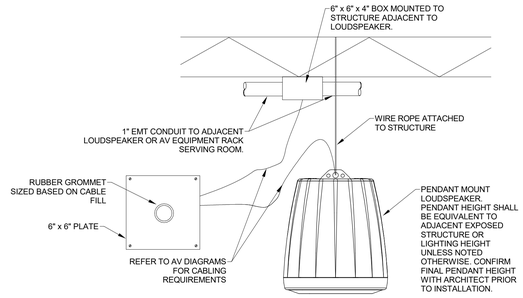
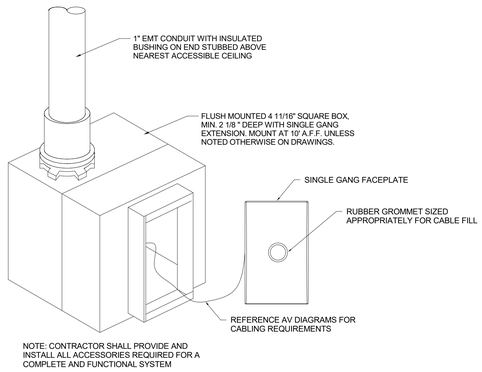
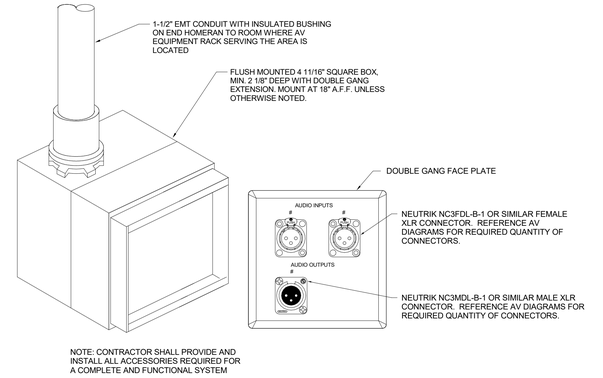


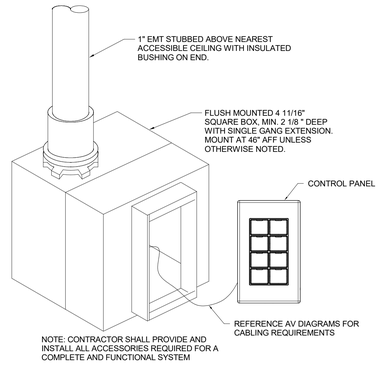
5 PENDANT MOUNTED LOUDSPEAKER LOCATION
N.T.S.



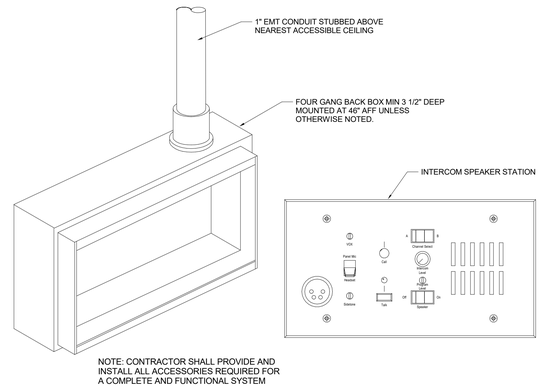
6 SPEAKER - WALL MOUNTED LOCATION
N.T.S.



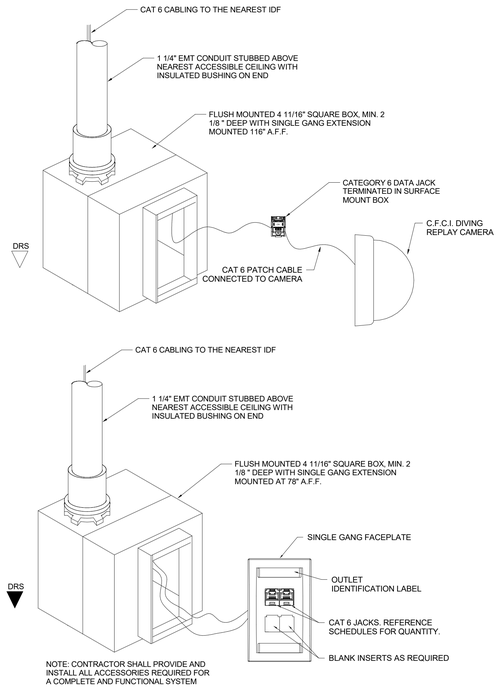
7 AUDIO CONNECTION LOCATION
N.T.S.



8 AV CONTROL LOCATION
N.T.S.



9 INTERCOM SPEAKER LOCATION
N.T.S.



10 DIVING REPLAY SYSTEM LOCATION
N.T.S.

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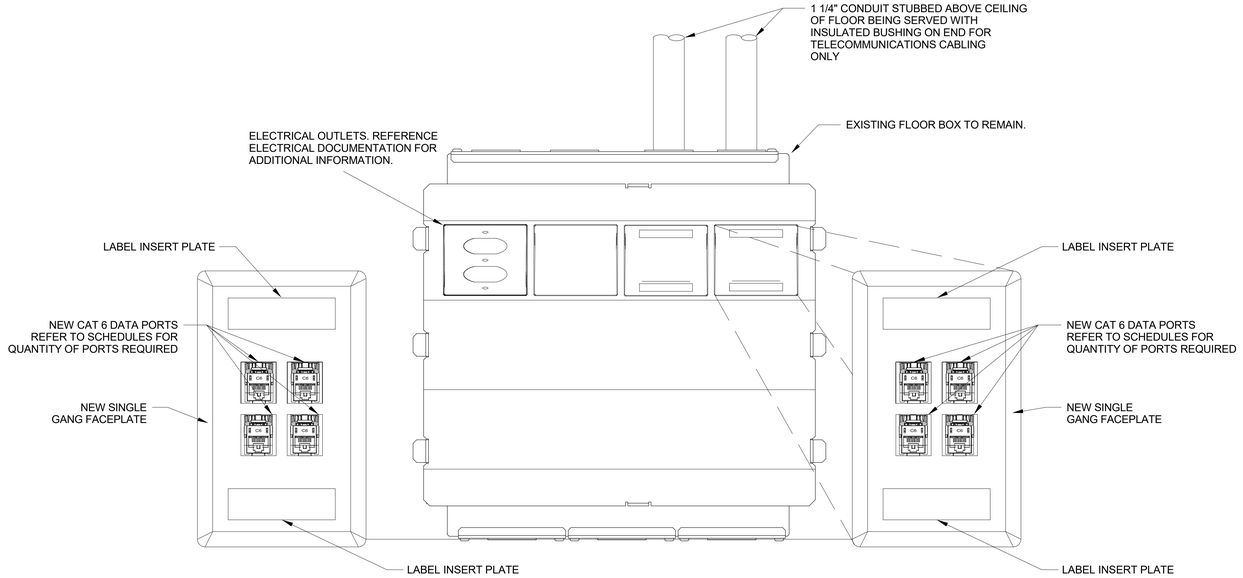
RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE
STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: TECHNOLOGY DETAILS

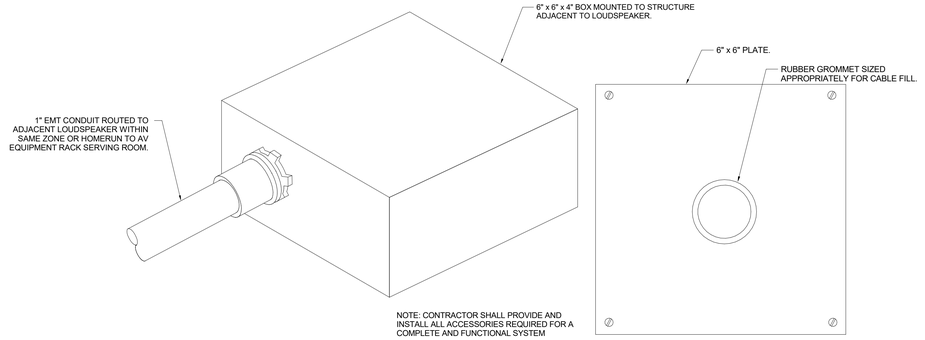
SHEET: **T402**
COMM #: 2265

1/16/2024 4:28:53 AM



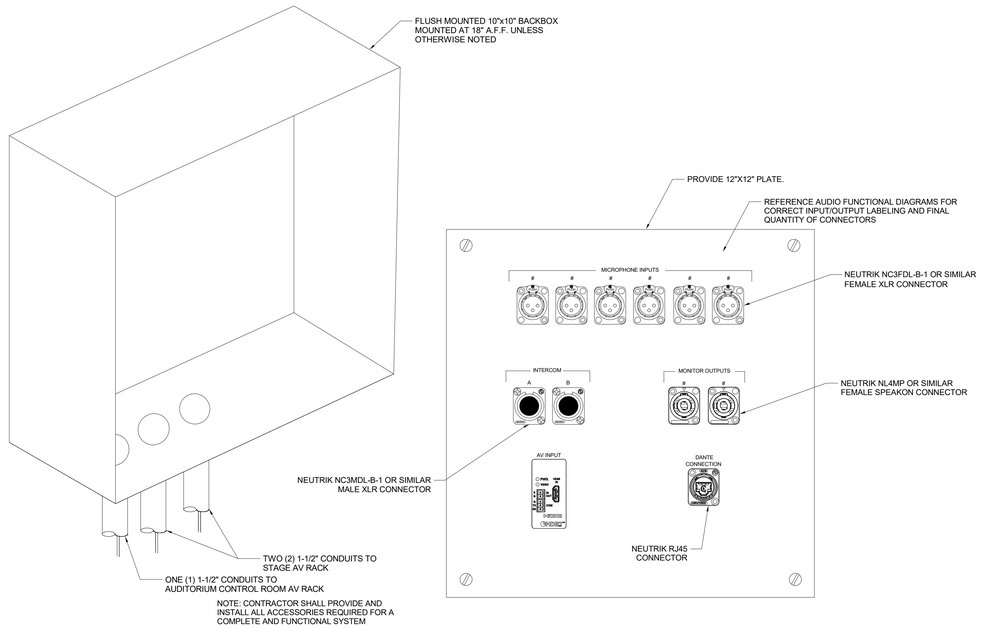
NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

1 FLOOR BOX LOCATION
N.T.S.



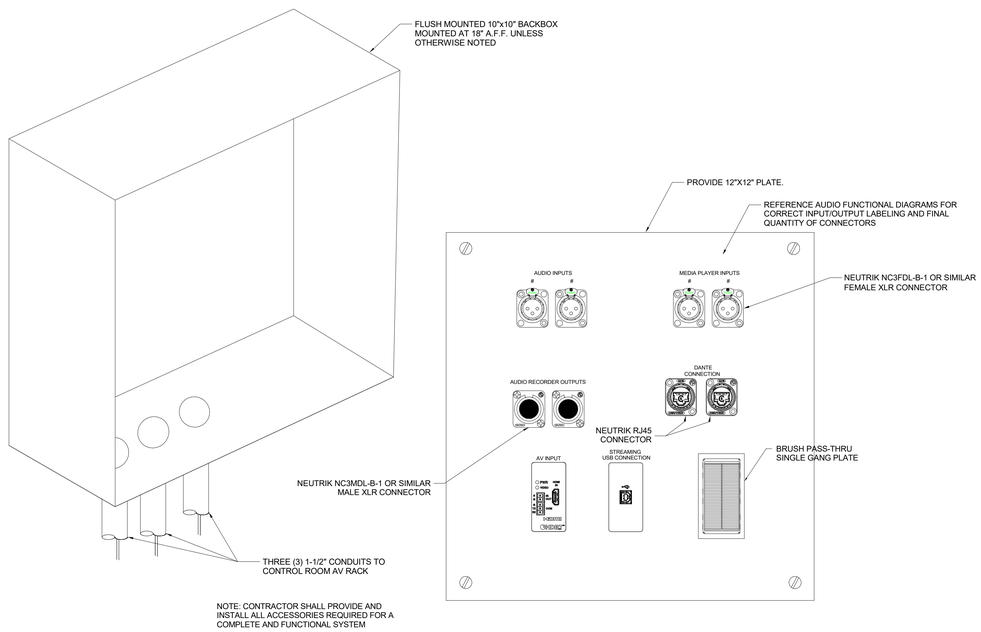
NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

2 LOUDSPEAKER JUNCTION BOX LOCATION
N.T.S.



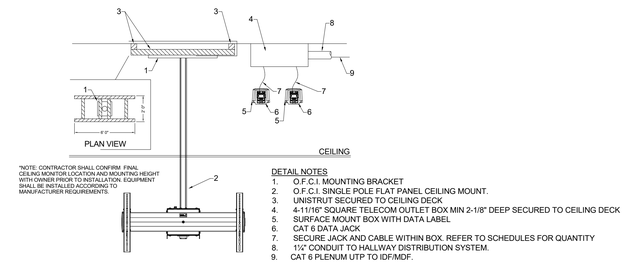
NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

3 TECHNICAL FACILITIES PANEL LOCATION
N.T.S.



NOTE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM

4 MIX LOCATION
N.T.S.



*NOTE: CONTRACTOR SHALL CONFIRM FINAL CEILING MONITOR LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION. EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER REQUIREMENTS.

5 CEILING MOUNTED MONITOR LOCATION
N.T.S.

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: **TECHNOLOGY DETAILS**

SHEET: **T403**
COMM #: **2265**

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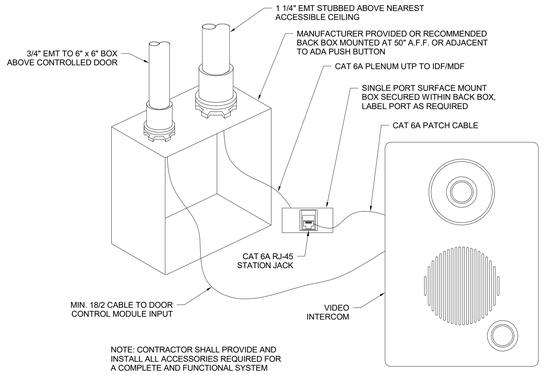
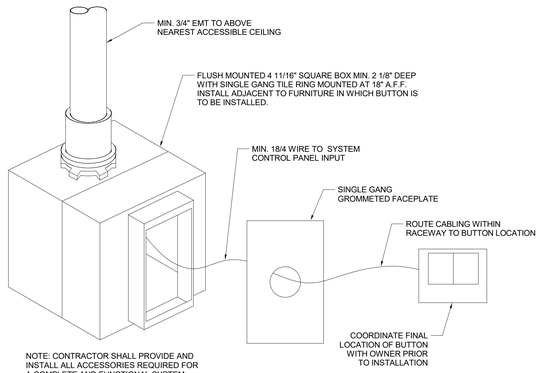
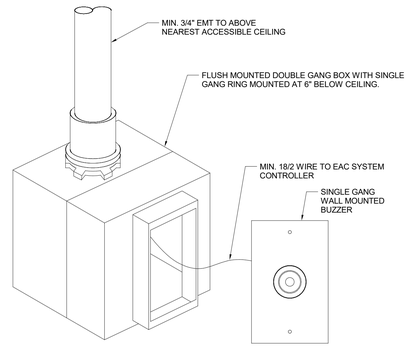


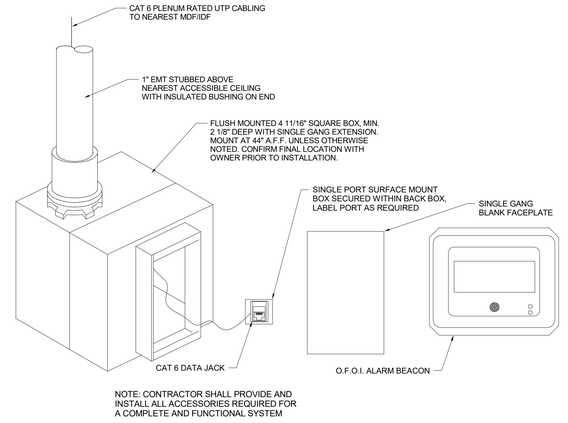
1 VIDEO INTERCOM DOOR STATION - WALL MOUNTED
N.T.S. VI



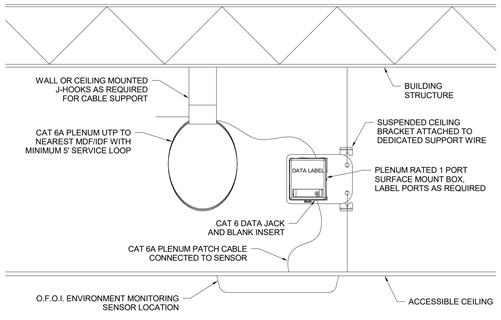
2 PANIC BUTTON LOCATION
N.T.S. P6



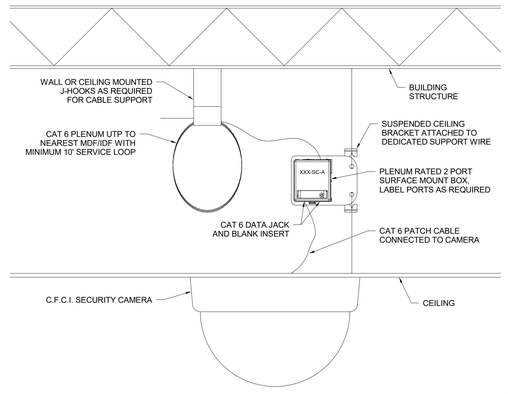
3 AUDIBLE ALARM LOCATION
N.T.S. AA



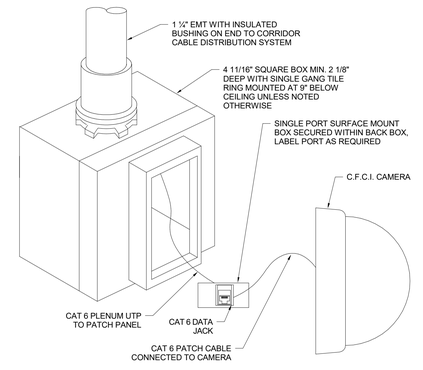
4 ALERTUS BEACON LOCATION
N.T.S. AB



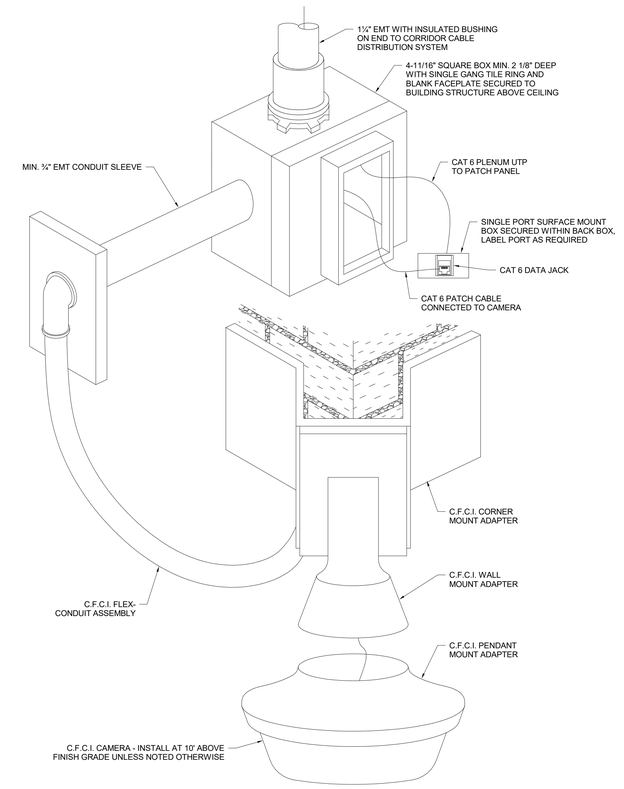
5 ENVIRONMENTAL SENSOR LOCATION
N.T.S.



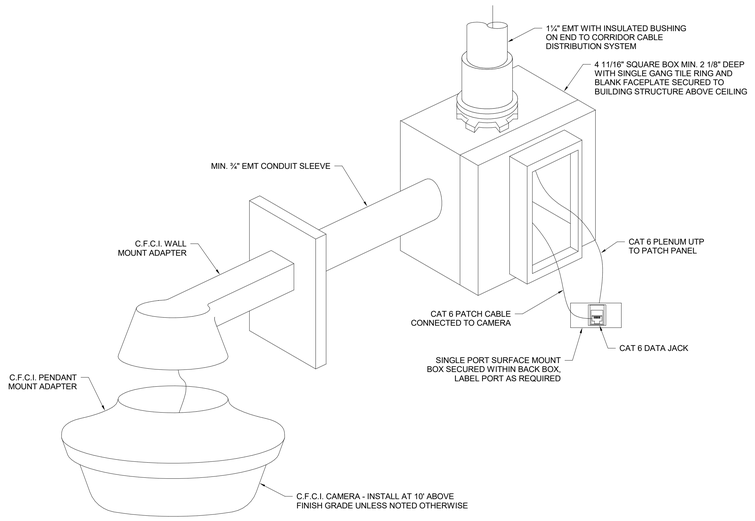
6 SECURITY CAMERA LOCATION _CEILING MOUNT
N.T.S. SC



7 SECURITY CAMERA _INTERIOR WALL MOUNT
N.T.S. SC



8 SECURITY CAMERA - EXTERIOR CORNER MOUNT
N.T.S. SC



9 SECURITY CAMERA - EXTERIOR WALL MOUNT
N.T.S. SC

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DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	CONSTRUCTION DOCUMENTS
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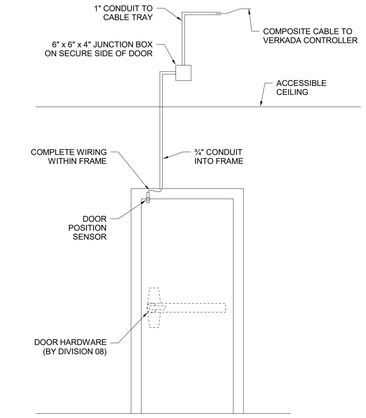
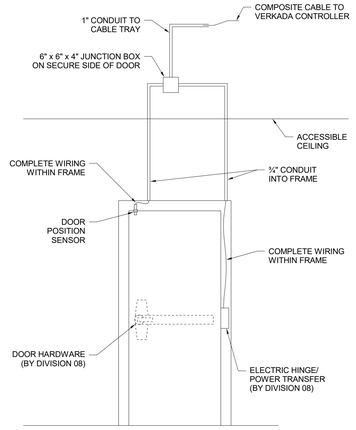
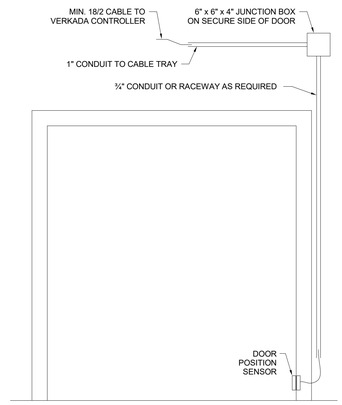


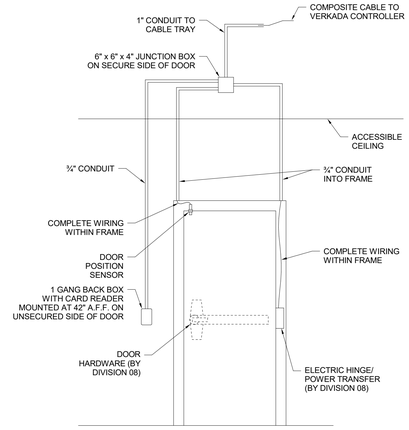
1 EAC DOOR TYPE S1 - MONITORING ONLY
N.T.S. D



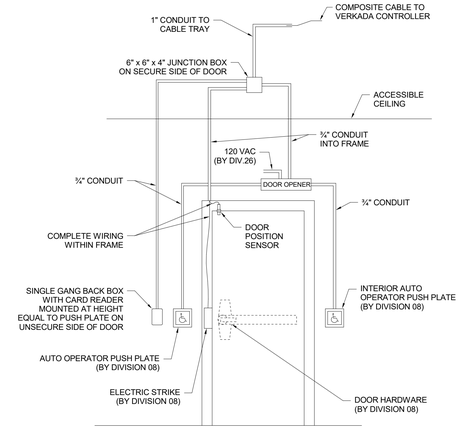
2 EAC DOOR TYPE S1EH - MONITORING WITH ELECTRIFIED HARWARE
N.T.S. D



3 EAC DOOR TYPE S1RU - MONITORED ROLL-UP DOOR
N.T.S. D



4 EAC DOOR TYPE S2 - CARD READER
N.T.S. CR



5 EAC DOOR TYPE S2A – CARD READER WITH ADA OPERATION
N.T.S. CR

6 EAC DOOR TYPE S2BA – BOLLARD MOUNT CARD READER WITH ADA OPERATION
N.T.S. CR

7 EAC DOOR TYPE S2M – MULLION MOUNT CARD READER
N.T.S. CR

8 EAC DOOR TYPE D1 - MONITORING ONLY
N.T.S. D

9 EAC DOOR TYPE D1EH - MONITORING WITH ELECTRIFIED HARWARE
N.T.S. D

10 EAC DOOR TYPE D2 - CARD READER
N.T.S. CR

11 EAC DOOR TYPE D2A - CARD READER WITH ADA OPERATION
N.T.S. CR

12 EAC DOOR TYPE D2MLIO – DUAL CARD READER
N.T.S. CR

13 EAC DOOR TYPE D2MA – MULLION MOUNT CARD READER WITH ADA OPERATION
N.T.S. CR

14 EAC DOOR TYPE D1ML - MONITORING WITH MAGNETIC LOCKS
N.T.S. D

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE	
STATUS:	CONSTRUCTION DOCUMENTS
DRAWN BY:	SRH
DATE:	JANUARY 16, 2024
SHEET NAME:	SECURITY DETAILS

SHEET: **T405**
COMM #: 2265

1/16/2024 2:35:54 AM

MDF 00 (C163) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
C1	00	00-A-01	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C2	00	00-A-02	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C116	00	00-A-03	1	ALERTUS BEACON LOCATION
C117	00	00-A-04/05	2	DATA LOCATION
C117	00	00-A-06/07	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C117	00	00-A-08/09	2	DATA LOCATION
C119	00	00-A-10/11	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C119	00	00-A-12	1	CLASSROOM AUDIO SYSTEM LOCATION
C119	00	00-A-13/14	2	DATA LOCATION
C119	00	00-A-15/16	2	DATA LOCATION
C119	00	00-A-17/18	2	DATA LOCATION
C119	00	00-A-19/20	2	MONITOR LOCATION
C120	00	00-A-21/22	2	DATA LOCATION
C120	00	00-A-23/24	2	DATA LOCATION
C120	00	00-B-01/02	2	DATA LOCATION
C120	00	00-B-03	1	CLASSROOM AUDIO SYSTEM LOCATION
C120	00	00-B-04/05	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C120	00	00-B-06/07	2	MONITOR LOCATION
C125	00	00-B-08/09	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C126	00	00-B-10/11	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C126	00	00-B-12/13	2	MONITOR LOCATION
C126	00	00-B-14/15	2	DATA LOCATION
C126	00	00-B-16	1	CLASSROOM AUDIO SYSTEM LOCATION
C127	00	00-B-17/18	2	MONITOR LOCATION
C127	00	00-B-19/20	2	DATA LOCATION
C127	00	00-B-21	1	CLASSROOM AUDIO SYSTEM LOCATION
C127	00	00-B-22/23	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C130	00	00-B-24/25	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C130	00	00-B-26/27	2	DATA LOCATION
C130	00	00-B-28	1	CLASSROOM AUDIO SYSTEM LOCATION
C130	00	00-B-29/30	2	MONITOR LOCATION
C131	00	00-B-31/32	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C131	00	00-B-33/34	2	DATA LOCATION
C131	00	00-B-35	1	CLASSROOM AUDIO SYSTEM LOCATION
C131	00	00-B-36/37	2	MONITOR LOCATION
C132	00	00-B-38/39	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C132	00	00-B-40/41	2	DATA LOCATION
C132	00	00-B-42/43	2	MONITOR LOCATION
C134	00	00-B-44	1	CLASSROOM AUDIO SYSTEM LOCATION
C135	00	00-B-45/46	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C135	00	00-B-47/48	2	DATA LOCATION
C135	00	00-C-01/02	2	MONITOR LOCATION
C136	00	00-C-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C136	00	00-C-05/06	2	DATA LOCATION
C136	00	00-C-07	1	CLASSROOM AUDIO SYSTEM LOCATION
C136	00	00-C-08/09	2	MONITOR LOCATION
C137	00	00-C-10	1	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C137	00	00-C-11	1	SECURITY CAMERA - NEW FISHEYE SENSOR
C139	00	00-C-12/13	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C139	00	00-C-14/15	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C139	00	00-C-16/17	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C139	00	00-C-18/19	2	DATA LOCATION
C139	00	00-C-20/21	2	DATA LOCATION
C139	00	00-C-22/23	2	MONITOR LOCATION
C139	00	00-C-24	1	CLASSROOM AUDIO SYSTEM LOCATION
C139	00	00-C-25/26	2	MONITOR LOCATION
C139	00	00-C-27/28	2	MONITOR LOCATION
C142	00	00-C-29/30	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C142	00	00-C-31/32	2	DATA LOCATION
C142	00	00-C-33	1	CLASSROOM AUDIO SYSTEM LOCATION
C142	00	00-C-34/35	2	MONITOR LOCATION
C143	00	00-C-36/37	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C143	00	00-C-38/39	2	MONITOR LOCATION
C143	00	00-C-40/41	2	DATA LOCATION
C143	00	00-C-42	1	CLASSROOM AUDIO SYSTEM LOCATION
C143	00	00-C-43/44	2	DATA LOCATION
C146	00	00-C-45/46	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C147	00	00-C-47/48	2	DATA LOCATION
C148	00	00-D-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C148	00	00-D-03/04	2	DATA LOCATION
C148	00	00-D-05	1	CLASSROOM AUDIO SYSTEM LOCATION
C148	00	00-D-06/07	2	MONITOR LOCATION
C148	00	00-D-08/09	2	MONITOR LOCATION
C148	00	00-D-10/11	2	MONITOR LOCATION
C148	00	00-D-12/13	2	DATA LOCATION
C148	00	00-D-14/15	2	DATA LOCATION

MDF 00 (C163) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
C149	00	00-D-16/17	2	MONITOR LOCATION
C149	00	00-D-18/19	2	DATA LOCATION
C150	00	00-D-20/21	2	DATA LOCATION
C150	00	00-D-22/23	2	MONITOR LOCATION
C151	00	00-D-24/25	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C151	00	00-D-26/27	2	DATA LOCATION
C151	00	00-D-28	1	CLASSROOM AUDIO SYSTEM LOCATION
C151	00	00-D-29/30	2	MONITOR LOCATION
C152	00	00-D-31/32	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C152	00	00-D-33/34/35/36	4	DATA LOCATION
C152	00	00-D-37/38/39/40	4	DATA LOCATION
C152	00	00-D-41/42/43/44	4	DATA LOCATION
C152	00	00-D-45/46/47/48	4	DATA LOCATION
C152	00	00-E-01/02/03/04	4	DATA LOCATION
C152	00	00-E-05/06	2	DATA LOCATION
C152	00	00-E-07/08/09/10	4	DATA LOCATION
C152	00	00-E-11/12/13/14	4	DATA LOCATION
C152	00	00-E-15/16	2	DATA LOCATION
C152	00	00-E-17/18	2	DATA LOCATION
C152	00	00-E-19	1	CLASSROOM AUDIO SYSTEM LOCATION
C152	00	00-E-20/21/22/23	4	FLOOR BOX LOCATION
C152	00	00-E-24/25/26/27/28/29/30/31	8	FLOOR BOX LOCATION
C152	00	00-E-32/33/34/35/36/37/38/39	8	FLOOR BOX LOCATION
C152	00	00-E-40/41/42/43/44/45/46/47	8	FLOOR BOX LOCATION
C152	00	00-E-48;01/02/03/04/05/06/07	8	FLOOR BOX LOCATION
C152	00	00-F-08/09	2	MONITOR LOCATION
C152	00	00-F-10/11	2	MONITOR LOCATION
C152	00	00-F-12/13	2	MONITOR LOCATION
C152	00	00-F-14/15	2	MONITOR LOCATION
C152	00	00-F-16/17	2	MONITOR LOCATION
C152	00	00-F-18/19	2	MONITOR LOCATION
C152	00	00-F-20/21	2	MONITOR LOCATION
C153	00	00-F-22/23	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C153	00	00-F-24/25/26/27	4	DATA LOCATION
C153	00	00-F-28/29/30/31	4	DATA LOCATION
C153	00	00-F-32/33/34/35	4	DATA LOCATION
C154	00	00-F-36	1	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C154	00	00-F-37/38	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C154	00	00-F-39	1	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C154	00	00-F-40/41	2	DIGITAL SIGNAGE LOCATION
C154	00	00-F-42/43	2	DIGITAL SIGNAGE LOCATION
C155	00	00-F-44	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C156	00	00-F-45	1	ENVIRONMENTAL SENSOR LOCATION
C157	00	00-F-46	1	ENVIRONMENTAL SENSOR LOCATION
C159	00	00-F-47/48	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C159	00	00-G-01/02/03/04	4	DATA LOCATION
C159	00	00-G-05/06	2	MONITOR LOCATION
C159	00	00-G-07/08	2	DATA LOCATION
C160	00	00-G-09/10	2	DATA LOCATION
C160	00	00-G-11/12	2	MONITOR LOCATION
C161	00	00-G-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C163	00	00-G-15/16	2	DATA LOCATION
D101	00	00-G-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D101	00	00-G-19	1	SECURITY CAMERA - NEW SINGLE SENSOR
D101	00	00-G-20/21	2	MONITOR LOCATION
D101	00	00-G-22/23	2	MONITOR LOCATION
D102	00	00-G-24/25	2	MONITOR LOCATION
D111	00	00-G-26	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
D113	00	00-G-27/28	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D115	00	00-G-29/30	2	DATA LOCATION
E101	00	00-G-31/32	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E106	00	00-G-33/34/35/36/37/38/39/40	8	DATA LOCATION - DOUBLE GANG
E106	00	00-G-41/42	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E106	00	00-G-43/44	2	PROJECTOR LOCATION
E106	00	00-G-45/46/47/48	4	DATA LOCATION
E108	00	00-H-01/02	2	WIRELESS ACCESS POINT - WALL MOUNTED
E108	00	00-H-03	1	SECURITY CAMERA - NEW SINGLE SENSOR
E109	00	00-H-04	1	ENVIRONMENTAL SENSOR LOCATION
E111	00	00-H-05	1	ENVIRONMENTAL SENSOR LOCATION
EXT	00	00-H-06	1	VIDEO INTERCOM DOOR STATION
EXT	00	00-H-07	1	SECURITY CAMERA - NEW SINGLE SENSOR
EXT	00	00-H-08	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	00	00-H-09	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	00	00-H-10	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	00	00-H-11	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
Grand total			323	

IDF 01 (A123) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
A101	01	01-A-01	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
A101	01	01-A-02	1	VIDEO INTERCOM DOOR STATION
A102	01	01-A-03	1	SECURITY CAMERA - CEILING MOUNTED
A102	01	01-A-04	1	VIDEO INTERCOM DOOR STATION
A102	01	01-A-05	1	VIDEO INTERCOM DOOR STATION
A103	01	01-A-06/07	2	WIRELESS ACCESS POINT - WALL MOUNTED
A103	01	01-A-08	1	SECURITY CAMERA - CEILING MOUNTED
A103	01	01-A-09/10	2	DIGITAL SIGNAGE LOCATION
A104	01	01-A-11/12/13/14	4	DATA LOCATION
A104	01	01-A-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A104	01	01-A-17/18/19/20	4	DATA LOCATION
A104	01	01-A-21/22/23/24	4	DATA LOCATION
A105	01	01-B-01/02/03/04	4	DATA LOCATION
A105	01	01-B-05/06/07/08	4	DATA LOCATION
A105	01	01-B-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A105	01	01-B-11	1	SECURITY CAMERA - CEILING MOUNTED
A105	01	01-B-12/13/14/15	4	DATA LOCATION
A107	01	01-B-16/17	2	MONITOR LOCATION
A107	01	01-B-18/19/20/21	4	DATA LOCATION
A108	01	01-B-22/23	2	MONITOR LOCATION
A108	01	01-B-24/25	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A108	01	01-B-26/27	2	DATA LOCATION
A111	01	01-B-28/29	2	MONITOR LOCATION
A111	01	01-B-30/31/32/33	4	DATA LOCATION
A112	01	01-B-34/35	2	DATA LOCATION
A112	01	01-B-36/37	2	DATA LOCATION
A115	01	01-B-38/39	2	MONITOR LOCATION
A115	01	01-B-40/41/42/43	4	DATA LOCATION
A117	01	01-B-44/45	2	MONITOR LOCATION
A117	01	01-B-46	1	DATA LOCATION
A118	01	01-B-47/48	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A120	01	01-C-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A123	01	01-C-03	1	DATA LOCATION
A124	01	01-C-04/05	2	MONITOR LOCATION
A124	01	01-C-06/07	2	DATA LOCATION
A127	01	01-C-08/09	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A127	01	01-C-10/11	2	DATA LOCATION
A128	01	01-C-12/13	2	DATA LOCATION
A152	01	01-C-14/15	2	DIGITAL SIGNAGE LOCATION
A152	01	01-C-16/17	2	DIGITAL SIGNAGE LOCATION
B101	01	01-C-18/19	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B101	01	01-C-20/21	2	MONITOR LOCATION
B101	01	01-C-22/23	2	DATA LOCATION
B101	01	01-C-24	1	CLASSROOM AUDIO SYSTEM LOCATION
B103	01	01-C-25/26	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B103	01	01-C-27/28	2	MONITOR LOCATION
B103	01	01-C-29/30	2	DATA LOCATION
B103	01	01-C-31	1	CLASSROOM AUDIO SYSTEM LOCATION
B105	01	01-C-32/33	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B105	01	01-C-34/35	2	MONITOR LOCATION
B105	01	01-C-36/37	2	DATA LOCATION
B105	01	01-C-38	1	CLASSROOM AUDIO SYSTEM LOCATION
B107	01	01-C-39/40	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B107	01	01-C-41/42	2	MONITOR LOCATION
B107	01	01-C-43/44	2	DATA LOCATION
B107	01	01-C-45	1	CLASSROOM AUDIO SYSTEM LOCATION
B107	01	01-C-46	1	CLASSROOM AUDIO SYSTEM LOCATION
B127	01	01-C-47	1	SECURITY CAMERA - NEW FISHEYE SENSOR
B131	01	01-C-48	1	SECURITY CAMERA - NEW FISHEYE SENSOR
B131	01	01-D-01	1	ALERTUS BEACON LOCATION
C101	01	01-D-02	1	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C101	01	01-D-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C101	01	01-D-05	1	ALERTUS BEACON LOCATION
C102	01	01-D-06	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C103	01	01-D-07	1	ENVIRONMENTAL SENSOR LOCATION
C104	01	01-D-08	1	ENVIRONMENTAL SENSOR LOCATION
C106	01	01-D-09	1	DATA LOCATION
C107	01	01-D-10/11	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C107	01	01-D-12/13	2	MONITOR LOCATION
C107	01	01-D-14/15	2	DATA LOCATION
C154	01	01-D-16	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
D102	01	01-D-17	1	ALERTUS BEACON LOCATION
E106	01	01-D-18	1	ALERTUS BEACON LOCATION
E108	01	01-D-19/20	2	WIRELESS ACCESS POINT - WALL MOUNTED
E108	01	01-D-21	1	SECURITY CAMERA - NEW SINGLE SENSOR
E112	01	01-D-22/23	2	MONITOR LOCATION
E113	01	01-D-24	1	SECURITY CAMERA - NEW SINGLE SENSOR
E113	01	01-D-25/26	2	MONITOR LOCATION
EXT	01	01-D-27	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	01	01-D-28	1	SECURITY CAMERA - WALL MOUNTED
Grand total			148	

IDF 02 (A174) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
157	02	02-A-01/02	2	MONITOR LOCATION
157	02	02-A-03/04	2	DATA LOCATION
A40.2	02	02-A-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A133	02	02-A-07/08/09/10	4	DATA LOCATION
A133	02	02-A-11/12	2	MONITOR LOCATION
A133	02	02-A-13/14	2	DATA LOCATION
A133	02	02-A-15/16	2	DATA LOCATION
A133	02	02-A-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A133	02	02-A-19	1	SECURITY CAMERA - CEILING MOUNTED
A133	02	02-A-20/21	2	MONITOR LOCATION
A133	02	02-A-22/23	2	MONITOR LOCATION
A133	02	02-A-24;02-B-01	2	MONITOR LOCATION
A133	02	02-B-02/03	2	MONITOR LOCATION
A133	02	02-B-04/05	2	MONITOR LOCATION
A133	02	02-B-06/07	2	MONITOR LOCATION
A133	02	02-B-08/09	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A134	02	02-B-10/11	2	DATA LOCATION
A134	02	02-B-12/13	2	MONITOR LOCATION
A135	02	02-B-14/15	2	MONITOR LOCATION
A135	02	02-B-16/17	2	DATA LOCATION
A137	02	02-B-18/19	2	DATA LOCATION
A137	02	02-B-20/21	2	DATA LOCATION
A137	02	02-B-22/23	2	DATA LOCATION
A138	02	02-B-24/25/26/27	4	DATA LOCATION
A139	02	02-B-28/29	2	DATA LOCATION
A140.1	02	02-B-30/31	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A140.1	02	02-B-32/33	2	DATA LOCATION
A140.1	02	02-B-34/35	2	DATA LOCATION
A140.1	02	02-B-36/37	2	DATA LOCATION
A140.1	02	02-B-38/39	2	DATA LOCATION
A140.1	02	02-B-40/41	2	DATA LOCATION
A140.1	02	02-B-42/43/44/45/46/47/48;02-C-01	8	DATA LOCATION - DOUBLE GANG
A140.1	02	02-C-02/03/04/05/06/07/08/09	8	DATA LOCATION - DOUBLE GANG
A140.1	02	02-C-10/11/12/13/14/15/16/17	8	DATA LOCATION - DOUBLE GANG
A140.1	02	02-C-18/19	2	DATA LOCATION
A140.1	02	02-C-20	1	CLASSROOM AUDIO SYSTEM LOCATION
A140.1	02	02-C-21/22	2	MONITOR LOCATION
A140.2	02	02-C-23/24	2	MONITOR LOCATION
A140.2	02	02-C-25/26/27/28	4	DATA LOCATION - DOUBLE GANG
A140.2	02	02-C-29/30/31/32	4	DOUBLE GANG DATA ROUGH-IN LOCATION
A140.2	02	02-C-33/34/35/36	4	DOUBLE GANG DATA LOCATION
A141	02	02-C-37/38	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A141	02	02-C-39/40	2	MONITOR LOCATION
A141	02	02-C-41/42	2	DATA LOCATION
A141	02	02-C-43	1	CLASSROOM AUDIO SYSTEM LOCATION
A141	02	02-C-44/45	2	DATA LOCATION
A141	02	02-C-46/47	2	DATA LOCATION
A141	02	02-C-48;02-D-01	2	DATA LOCATION
A143	02	02-D-02/03	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A143	02	02-D-04/05	2	MONITOR LOCATION
A143	02	02-D-06/07	2	DATA LOCATION
A143	02	02-D-08	1	CLASSROOM AUDIO SYSTEM LOCATION
A143	02	02-D-09/10	2	DATA LOCATION
A143	02	02-D-11/12	2	DATA LOCATION
A146	02	02-D-13	1	SECURITY CAMERA - CEILING MOUNTED
A147	02	02-D-14	1	
A148	02	02-D-15/16	2	MONITOR LOCATION
A148	02	02-D-17	1	CLASSROOM AUDIO SYSTEM LOCATION
A148	02	02-D-18/19	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A149	02	02-D-20/21	2	DATA LOCATION
A149	02	02-D-22/23	2	DATA LOCATION
A150	02	02-D-24	1	CLASSROOM AUDIO SYSTEM LOCATION
A150	02	02-D-25/26	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A150	02	02-D-27/28	2	MONITOR LOCATION
A151	02	02-D-29	1	SECURITY CAMERA - CEILING MOUNTED
A152	02	02-D-30/31	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A152	02	02-D-32	1	DATA LOCATION
A152	02	02-D-33	1	DATA LOCATION
A152	02	02-D-34	1	DATA LOCATION
A152	02	02-D-35/36	2	DIGITAL SIGNAGE LOCATION
A152	02	02-D-37/38/39/40	4	DATA LOCATION
A152	02	02-D-41/42/43/44	4	DATA LOCATION
A152	02	02-D-45	1	DATA LOCATION
A154	02	02-D-46/47	2	MONITOR LOCATION
A154	02	02-D-48;02-E-01	2	DATA LOCATION
A155	02	02-E-02/03	2	DATA LOCATION
A155	02	02-E-04/05	2	MONITOR LOCATION
A156	02	02-E-06/07	2	DATA LOCATION
A156	02	02-E-08/09	2	MONITOR LOCATION
A158	02	02-E-10/11	2	MONITOR LOCATION
A158	02	02-E-12/13	2	DATA LOCATION
A159	02	02-E-14/15	2	DATA LOCATION
A159	02	02-E-16/17	2	MONITOR LOCATION
A168	02	02-E-18/19	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A168	02	02-E-20/21	2	WIRELESS ACCESS POINT - CEILING MOUNTED
A169	02	02-E-22/23	2	DATA LOCATION
A169	02	02-E-24/25	2	MONITOR LOCATION
A170	02	02-E-26/27	2	DATA LOCATION
A171	02	02-E-28/29	2	DATA LOCATION
A171	02	02-E-30/31	2	MONITOR LOCATION
A172	02	02-E-32/33	2	DATA LOCATION
A172	02	02-E-34/35	2	MONITOR LOCATION
A173	02	02-E-36/37	2	DATA LOCATION
A190	02	02-E-38	1	DATA LOCATION
E101	02	02-E-39	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
E146	02	02-G-06/07	2	DIGITAL SIGNAGE LOCATION
EXT	02	02-E-40	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
J120	02	02-E-41/42	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J120	02	02-E-43/44	2	DATA LOCATION
J120	02	02-E-45	1	CLASSROOM AUDIO SYSTEM LOCATION
J120	02	02-E-46/47	2	MONITOR LOCATION
J121	02	02-E-48;02-F-01	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J121	02	02-F-02/03	2	DATA LOCATION
J121	02	02-F-04	1	CLASSROOM AUDIO SYSTEM LOCATION
J121	02	02-F-05/06	2	MONITOR LOCATION
J128	02	02-F-07/08	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J128	02	02-F-09/10	2	DATA LOCATION
J128	02	02-F-11	1	CLASSROOM AUDIO SYSTEM LOCATION
J128	02	02-F-12/13	2	MONITOR LOCATION
J128	02	02-F-14/15/16	3	FLOOR BOX LOCATION
J128	02	02-F-17/18/19	3	FLOOR BOX LOCATION
J128	02	02-F-20/21/22	3	FLOOR BOX LOCATION
J128	02	02-F-23/24/25	3	FLOOR BOX LOCATION
J128	02	02-F-26/27/28	3	FLOOR BOX LOCATION
J128	02	02-F-29/30/31/32	4	DATA LOCATION - DOUBLE GANG
J128	02	02-F-33/34/35/36	4	DATA LOCATION - DOUBLE GANG
J128	02	02-F-37/38/39/40	4	DATA LOCATION - DOUBLE GANG
J128	02	02-F-41/42/43/44	4	DATA LOCATION - DOUBLE GANG
J131	02	02-F-45/46	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J131	02	02-F-47/48	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J131	02	02-G-01/02	2	DATA LOCATION
J131	02	02-G-03/04	2	MONITOR LOCATION
J134	02	02-G-05	1	CLASSROOM AUDIO SYSTEM LOCATION
Grand total			271	

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
DRAWN BY: SRH
DATE: JANUARY 16, 2024
SHEET NAME: TELECOM SCHEDULES
SHEET: T500
COMM #: 2265

1/16/2024 9:26:37 AM

IDF 03 (B138) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
B102	03	03-A-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B102	03	03-A-03/04	2	MONITOR LOCATION
B102	03	03-A-05/06	2	DATA LOCATION
B102	03	03-A-07	1	CLASSROOM AUDIO SYSTEM LOCATION
B104	03	03-A-08/09	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B104	03	03-A-10/11	2	MONITOR LOCATION
B104	03	03-A-12/13	2	DATA LOCATION
B104	03	03-A-14	1	CLASSROOM AUDIO SYSTEM LOCATION
B104	03	03-A-15/16	2	DATA LOCATION
B104	03	03-A-17/18	2	DATA LOCATION
B104	03	03-A-19/20	2	DATA LOCATION
B104	03	03-A-21/22	2	DATA LOCATION
B104	03	03-A-23/24	2	DATA LOCATION
B104	03	03-B-01/02	2	DATA LOCATION
B104	03	03-B-03/04	2	DATA LOCATION
B104	03	03-B-05/06	2	DATA LOCATION
B104	03	03-B-07/08	2	DATA LOCATION
B104	03	03-B-09/10	2	DATA LOCATION
B104	03	03-B-11/12	2	DATA LOCATION
B106	03	03-B-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B106	03	03-B-15/16	2	MONITOR LOCATION
B106	03	03-B-17/18	2	DATA LOCATION
B106	03	03-B-19	1	CLASSROOM AUDIO SYSTEM LOCATION
B108	03	03-B-20/21	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B108	03	03-B-22/23	2	MONITOR LOCATION
B108	03	03-B-24/25	2	DATA LOCATION
B108	03	03-B-26	1	CLASSROOM AUDIO SYSTEM LOCATION
B108	03	03-B-27/28	2	MONITOR LOCATION
B108	03	03-B-29/30	2	MONITOR LOCATION
B109	03	03-B-31/32	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B109	03	03-B-33/34	2	MONITOR LOCATION
B109	03	03-B-35/36	2	DATA LOCATION
B109	03	03-B-37	1	CLASSROOM AUDIO SYSTEM LOCATION
B109	03	03-B-38	1	CLASSROOM AUDIO SYSTEM LOCATION
B110	03	03-B-39/40	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B110	03	03-B-41/42	2	MONITOR LOCATION
B110	03	03-B-43/44	2	DATA LOCATION
B110	03	03-B-45	1	CLASSROOM AUDIO SYSTEM LOCATION
B111	03	03-B-46/47	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B111	03	03-B-48;03-C-01	2	DATA LOCATION
B111	03	03-C-02	1	CLASSROOM AUDIO SYSTEM LOCATION
B111	03	03-C-03/04	2	MONITOR LOCATION
B112	03	03-C-05/06	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B112	03	03-C-07/08	2	DATA LOCATION
B112	03	03-C-09	1	CLASSROOM AUDIO SYSTEM LOCATION
B112	03	03-C-10/11	2	MONITOR LOCATION
B113	03	03-C-12/13	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B113	03	03-C-14/15	2	DATA LOCATION
B113	03	03-C-16	1	CLASSROOM AUDIO SYSTEM LOCATION
B113	03	03-C-17/18	2	MONITOR LOCATION
B114	03	03-C-19/20	2	MONITOR LOCATION
B114	03	03-C-21/22	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B114	03	03-C-23/24	2	DATA LOCATION
B114	03	03-C-25	1	CLASSROOM AUDIO SYSTEM LOCATION
B115	03	03-C-26/27	2	MONITOR LOCATION
B115	03	03-C-28/29	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B115	03	03-C-30/31	2	DATA LOCATION
B115	03	03-C-32	1	CLASSROOM AUDIO SYSTEM LOCATION
B116	03	03-C-33/34	2	MONITOR LOCATION
B116	03	03-C-35/36	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B116	03	03-C-37/38	2	DATA LOCATION
B116	03	03-C-39	1	CLASSROOM AUDIO SYSTEM LOCATION
B117	03	03-C-40/41	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B117	03	03-C-42/43	2	MONITOR LOCATION
B117	03	03-C-44/45	2	DATA LOCATION
B117	03	03-C-46	1	CLASSROOM AUDIO SYSTEM LOCATION
B118	03	03-C-47/48	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B118	03	03-D-01/02	2	MONITOR LOCATION
B118	03	03-D-03/04	2	DATA LOCATION
B118	03	03-D-05	1	CLASSROOM AUDIO SYSTEM LOCATION

IDF 03 (B138) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
B119	03	03-D-06/07	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B119	03	03-D-08/09	2	MONITOR LOCATION
B119	03	03-D-10/11	2	DATA LOCATION
B119	03	03-D-12	1	CLASSROOM AUDIO SYSTEM LOCATION
B120	03	03-D-13/14	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B120	03	03-D-15/16	2	MONITOR LOCATION
B120	03	03-D-17/18	2	DATA LOCATION
B120	03	03-D-19	1	CLASSROOM AUDIO SYSTEM LOCATION
B121	03	03-D-20/21	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B121	03	03-D-22/23	2	MONITOR LOCATION
B121	03	03-D-24/25	2	DATA LOCATION
B121	03	03-D-26	1	CLASSROOM AUDIO SYSTEM LOCATION
B121	03	03-D-27/28	2	DATA LOCATION
B122	03	03-D-29/30	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B122	03	03-D-31/32	2	MONITOR LOCATION
B122	03	03-D-33/34	2	DATA LOCATION
B122	03	03-D-35	1	CLASSROOM AUDIO SYSTEM LOCATION
B123	03	03-D-36/37	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B123	03	03-D-38/39	2	MONITOR LOCATION
B123	03	03-D-40/41	2	DATA LOCATION
B123	03	03-D-42	1	CLASSROOM AUDIO SYSTEM LOCATION
B124	03	03-D-43/44	2	MONITOR LOCATION
B124	03	03-D-45/46	2	DATA LOCATION
B124	03	03-D-47	1	CLASSROOM AUDIO SYSTEM LOCATION
B124	03	03-D-48;03-E-01	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B126	03	03-E-02/03	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B126	03	03-E-04/05	2	MONITOR LOCATION
B126	03	03-E-06	1	CLASSROOM AUDIO SYSTEM LOCATION
B126	03	03-E-07/08	2	DATA LOCATION
B127	03	03-E-09	1	SECURITY CAMERA - NEW FISHEYE SENSOR
B129	03	03-E-10/11	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B129	03	03-E-12/13	2	DATA LOCATION
B129	03	03-E-14/15	2	DATA LOCATION
B133	03	03-E-16	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
B134	03	03-E-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
B134	03	03-E-19	1	SECURITY CAMERA - NEW FISHEYE SENSOR
B134	03	03-E-20	1	SECURITY CAMERA - NEW FISHEYE SENSOR
B137	03	03-E-21/22	2	DATA LOCATION
B138	03	03-E-23	1	DATA LOCATION
B141	03	03-E-24	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
B143	03	03-E-25	1	SECURITY CAMERA - NEW FISHEYE SENSOR
B143	03	03-E-26	1	ALERTUS BEACON LOCATION
B146	03	03-E-27	1	ENVIRONMENTAL SENSOR LOCATION
B147	03	03-E-28	1	ENVIRONMENTAL SENSOR LOCATION
C102	03	03-E-29	1	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C109	03	03-E-30/31	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C109	03	03-E-32/33	2	MONITOR LOCATION
C109	03	03-E-34/35	2	DATA LOCATION
C110	03	03-E-36/37	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C110	03	03-E-38/39	2	MONITOR LOCATION
C110	03	03-E-40	1	CLASSROOM AUDIO SYSTEM LOCATION
C110	03	03-E-41/42	2	DATA LOCATION
C112	03	03-E-43/44	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C112	03	03-E-45/46	2	MONITOR LOCATION
C112	03	03-E-47	1	CLASSROOM AUDIO SYSTEM LOCATION
C112	03	03-E-48;03-F-01	2	DATA LOCATION
C114	03	03-F-02/03	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C114	03	03-F-04/05	2	DATA LOCATION
C114	03	03-F-06	1	CLASSROOM AUDIO SYSTEM LOCATION
C114	03	03-F-07/08	2	MONITOR LOCATION
C115	03	03-F-09/10	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C115	03	03-F-11/12	2	DATA LOCATION
C115	03	03-F-13	1	CLASSROOM AUDIO SYSTEM LOCATION
C115	03	03-F-14/15	2	MONITOR LOCATION
EXT	03	03-F-16	1	SECURITY CAMERA - NEW SINGLE SENSOR
EXT	03	03-F-17	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	03	03-F-18	1	SECURITY CAMERA - NEW SINGLE SENSOR
PARKING LOT	03	03-F-19	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	03	03-F-20	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	03	03-F-21	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	03	03-F-22	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	03	03-F-23	1	SECURITY CAMERA - POLE MOUNTED
Grand total			239	

IDF 04 (F120) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
D101	04	04-A-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D101	04	04-A-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D101	04	04-A-05	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
D101	04	04-A-06/07	2	MONITOR LOCATION
D101	04	04-A-08/09	2	MONITOR LOCATION
D101	04	04-A-10/11	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D101	04	04-A-12/13	2	MONITOR LOCATION
D101	04	04-A-14/15	2	MONITOR LOCATION
D102	04	04-A-16	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
D102	04	04-A-17/18	2	MONITOR LOCATION
D104	04	04-A-19/20	2	DIGITAL SIGNAGE LOCATION
D104	04	04-A-21/22	2	DIGITAL SIGNAGE LOCATION
D106	04	04-A-23/24	2	DATA LOCATION
D109	04	04-B-01/02	2	DATA LOCATION
D109	04	04-B-03/04	2	DATA LOCATION
D109	04	04-B-05/06	2	DATA LOCATION
D109	04	04-B-07/08	2	DATA LOCATION
D109	04	04-B-09/10	2	DATA LOCATION
D117	04	04-B-11/12	2	WIRELESS ACCESS POINT - CEILING MOUNTED
D117	04	04-B-13	1	SECURITY CAMERA - NEW SINGLE SENSOR
D126	04	04-B-14/15	2	DATA LOCATION
D126	04	04-B-16/17	2	MONITOR LOCATION
D126	04	04-B-18/19	2	MONITOR LOCATION
D126	04	04-B-20/21	2	MONITOR LOCATION
D126	04	04-B-22/23	2	MONITOR LOCATION
D127	04	04-B-24/25	2	DATA LOCATION
D127	04	04-B-26/27	2	MONITOR LOCATION
D129	04	04-B-28	1	SECURITY CAMERA - NEW SINGLE SENSOR
D130	04	04-B-29/30	2	WIRELESS ACCESS POINT - WALL MOUNTED
E113	04	04-B-31	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
E115	04	04-B-32/33	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E115	04	04-B-34/35	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E117	04	04-B-36/37	2	WIRELESS ACCESS POINT - WALL MOUNTED
E117	04	04-B-38/39	2	WIRELESS ACCESS POINT - WALL MOUNTED
E117	04	04-B-40/41	2	PROJECTOR LOCATION
E117	04	04-B-42/43	2	DATA LOCATION
E117	04	04-B-44	1	ALERTUS BEACON LOCATION
E118	04	04-B-45/46	2	DATA LOCATION
E118	04	04-B-47/48	2	DATA LOCATION
E118	04	04-C-01/02	2	DATA LOCATION
E118	04	04-C-03/04	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E118	04	04-C-05/06	2	DATA LOCATION
E119	04	04-C-07/08	2	MONITOR LOCATION
E119	04	04-C-09/10	2	MONITOR LOCATION
E119	04	04-C-11/12	2	MONITOR LOCATION
E119	04	04-C-13/14	2	MONITOR LOCATION
EXT	04	04-C-15	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	04	04-C-16	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
F102	04	04-C-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F102	04	04-C-19/20	2	MONITOR LOCATION
F102	04	04-C-21/22	2	DATA LOCATION
F102	04	04-C-23/24	2	DATA LOCATION
F102	04	04-C-25/26	2	DATA LOCATION
F102	04	04-C-27	1	CLASSROOM AUDIO SYSTEM LOCATION
F103	04	04-C-28/29	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F103	04	04-C-30/31	2	MONITOR LOCATION
F103	04	04-C-32/33	2	DATA LOCATION
F103	04	04-C-34	1	CLASSROOM AUDIO SYSTEM LOCATION
F103	04	04-C-35/36	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F104	04	04-C-37/38	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F104	04	04-C-39/40	2	MONITOR LOCATION
F104	04	04-C-41/42	2	DATA LOCATION
F104	04	04-C-43	1	CLASSROOM AUDIO SYSTEM LOCATION
F107	04	04-C-44/45	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F107	04	04-C-46/47	2	DATA LOCATION
F107	04	04-C-48;04-D-01	2	DATA LOCATION
F107	04	04-D-02	1	CLASSROOM AUDIO SYSTEM LOCATION
F107	04	04-D-03/04	2	PROJECTOR LOCATION
F111	04	04-D-05/06	2	WIRELESS ACCESS POINT - WALL MOUNTED
F113	04	04-D-07	1	DATA LOCATION
F114	04	04-D-08/09	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F114	04	04-D-10/11	2	DATA LOCATION
F114	04	04-D-12/13	2	MONITOR LOCATION
F114	04	04-D-14/15	2	MONITOR LOCATION
F114	04	04-D-16/17	2	DATA LOCATION
F114	04	04-D-18	1	CLASSROOM AUDIO SYSTEM LOCATION
F114	04	04-D-19/20/21	3	FLOOR BOX LOCATION
F114	04	04-D-22/23/24	3	FLOOR BOX LOCATION
F114	04	04-D-25/26/27	3	FLOOR BOX LOCATION
F114	04	04-D-28/29/30	3	FLOOR BOX LOCATION
F114	04	04-D-31/32/33	3	FLOOR BOX LOCATION
F114	04	04-D-34/35/36	3	FLOOR BOX LOCATION
F114	04	04-D-37/38/39	3	FLOOR BOX LOCATION
F114	04	04-D-40/41/42	3	FLOOR BOX LOCATION
F115	04	04-D-43/44	2	DATA LOCATION
F115	04	04-D-45/46	2	DATA LOCATION
F116	04	04-D-47/48	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F117	04	04-E-01	1	SECURITY CAMERA - NEW SINGLE SENSOR
F118	04	04-E-02/03	2	WIRELESS ACCESS POINT - CEILING MOUNTED
F118	04	04-E-04/05	2	DATA LOCATION
F119	04	04-E-06	1	DATA LOCATION
Grand total			174	

IDF 05 (F120) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
G104	05	05-A-01/02	2	WIRELESS ACCESS POINT - CEILING MOUNTED
G104	05	05-A-03/04	2	MONITOR LOCATION
G104	05	05-A-05/06	2	DATA LOCATION
G104	05	05-A-07	1	CLASSROOM AUDIO SYSTEM LOCATION
G111	05	05-A-08/09	2	WIRELESS ACCESS POINT - CEILING MOUNTED
G120	05	05-A-10/11	2	DIGITAL SIGNAGE LOCATION
G124	05	05-A-12/13	2	WIRELESS ACCESS POINT - WALL MOUNTED
G124	05	05-A-14/15	2	WIRELESS ACCESS POINT - WALL MOUNTED
G124	05	05-A-16/17	2	DATA LOCATION
G124	05	05-A-18	1	DIVING REPLAY SYSTEM
G124	05	05-A-19/20	2	WIRELESS ACCESS POINT - WALL MOUNTED
G124	05	05-A-21/22	2	WIRELESS ACCESS POINT - WALL MOUNTED
G124	05	05-A-23/24;05-B-01	3	DATA LOCATION
G124	05	05-B-02/03	2	DATA LOCATION
G124	05	05-B-04/05	2	DATA LOCATION
G124	05	05-B-06	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G124	05	05-B-07	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G124	05	05-B-08/09	2	DIVING REPLAY SYSTEM
G124	05	05-B-10	1	ALERTUS BEACON LOCATION
G125	05	05-B-11/12/13/14	4	DATA LOCATION
G125	05	05-B-15/16/17/18	4	DATA LOCATION
G125	05	05-B-19/20/21/22	4	DATA LOCATION
G130	05	05-B-23/24	2	MONITOR LOCATION
G130	05	05-B-25/26	2	DATA LOCATION
G130	05	05-B-27/28	2	DATA LOCATION
Grand total			52	

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: **CONSTRUCTION DOCUMENTS**
DRAWN BY: **SRH**
DATE: **JANUARY 16, 2024**
SHEET NAME: TELECOM SCHEDULES

SHEET: **T501**
COMM #: 2265

1/16/2024 9:24:46 AM

IDF 06 (G141) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
EXT	06	06-A-01	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G101	06	06-A-02	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G102	06	06-A-03/04	2	WIRELESS ACCESS POINT - WALL MOUNTED
G102	06	06-A-05	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G103	06	06-A-06	1	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G103	06	06-A-07/08	2	WIRELESS ACCESS POINT - WALL MOUNTED
G103	06	06-A-09/10	2	DIGITAL SIGNAGE LOCATION
G103	06	06-A-11/12	2	DIGITAL SIGNAGE LOCATION
G120	06	06-A-13/14	2	WIRELESS ACCESS POINT - WALL MOUNTED
G120	06	06-A-15/16	2	WIRELESS ACCESS POINT - WALL MOUNTED
G120	06	06-A-17	1	SECURITY CAMERA - NEW SINGLE SENSOR
G120	06	06-A-18	1	SECURITY CAMERA - NEW SINGLE SENSOR
G120	06	06-A-19/20	2	MONITOR LOCATION
G120	06	06-A-21/22	2	MONITOR LOCATION
G120	06	06-A-23/24	2	MONITOR LOCATION
G120	06	06-B-01/02	2	MONITOR LOCATION
G120	06	06-B-03/04	2	MONITOR LOCATION
G120	06	06-B-05/06	2	MONITOR LOCATION
G120	06	06-B-07/08	2	MONITOR LOCATION
G120	06	06-B-09/10	2	MONITOR LOCATION
G120	06	06-B-11	1	ALERTUS BEACON LOCATION
G122	06	06-B-12/13	2	DATA LOCATION
G123	06	06-B-14/15	2	DATA LOCATION
G141	06	06-B-16/17/18/19/20/21/22/23	8	DATA LOCATION
H115	06	06-B-24	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H116	06	06-B-25/26	2	WIRELESS ACCESS POINT - CEILING MOUNTED
H116	06	06-B-27/28	2	DIGITAL SIGNAGE LOCATION
H117	06	06-B-29/30	2	MONITOR LOCATION
H118	06	06-B-31/32	2	DATA LOCATION
H118	06	06-B-33/34	2	DATA LOCATION
H120	06	06-B-35/36	2	WIRELESS ACCESS POINT - CEILING MOUNTED
H120	06	06-B-37/38	2	MONITOR LOCATION
H123	06	06-B-39/40	2	WIRELESS ACCESS POINT - CEILING MOUNTED
H123	06	06-B-41/42	2	MONITOR LOCATION
H130	06	06-B-43/44	2	DATA LOCATION
H130	06	06-B-45/46	2	DATA LOCATION
H132	06	06-B-47/48	2	DATA LOCATION
H132	06	06-C-01/02	2	MONITOR LOCATION
H132	06	06-C-03/04/05/06	4	DATA LOCATION
H132	06	06-C-07/08	2	DATA LOCATION
H133	06	06-C-09/10/11/12	4	DATA LOCATION
H133	06	06-C-13/14	2	MONITOR LOCATION
PARKING LOT	06	06-C-15	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	06	06-C-16	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	06	06-C-17	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	06	06-C-18	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	06	06-C-19	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	06	06-C-20	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	06	06-C-21	1	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	06	06-C-22	1	SECURITY CAMERA - POLE MOUNTED
Grand total			94	

IDF 07 (J140) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
EXT	07	07-A-01	1	VIDEO INTERCOM DOOR STATION
EXT	07	07-A-02	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	07	07-A-03	1	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
EXT	07	07-A-04	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H101	07	07-A-05	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H102	07	07-A-06/07	2	WIRELESS ACCESS POINT - WALL MOUNTED
H102	07	07-A-08	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H102	07	07-A-09/10	2	DIGITAL SIGNAGE LOCATION
H102	07	07-A-11	1	
J1	07	07-A-12	1	SECURITY CAMERA - CEILING MOUNTED
J2	07	07-A-13	1	SECURITY CAMERA - CEILING MOUNTED
J101	07	07-A-14	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
J101	07	07-A-15/16	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J101	07	07-A-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J109	07	07-A-19/20	2	DATA LOCATION
J110	07	07-A-21/22	2	WIRELESS ACCESS POINT - WALL MOUNTED
J110	07	07-A-23/24	2	WIRELESS ACCESS POINT - WALL MOUNTED
J110	07	07-B-01/02	2	WIRELESS ACCESS POINT - WALL MOUNTED
J110	07	07-B-03/04	2	WIRELESS ACCESS POINT - WALL MOUNTED
J110	07	07-B-05	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
J110	07	07-B-06	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
J110	07	07-B-07	1	
J111	07	07-B-08/09	2	DATA LOCATION
J111	07	07-B-10/11	2	DATA LOCATION
J111	07	07-B-12/13	2	DATA LOCATION
J111	07	07-B-14/15	2	DIGITAL SIGNAGE LOCATION
J111	07	07-B-16/17	2	DIGITAL SIGNAGE LOCATION
J111	07	07-B-18/19	2	DIGITAL SIGNAGE LOCATION
Grand total			43	

IDF 08 (H201) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
E116	08	08-A-01/02	2	DATA LOCATION
E116	08	08-A-03/04	2	PROJECTOR LOCATION
E116	08	08-A-05/06	2	WIRELESS ACCESS POINT - WALL MOUNTED
E116	08	08-A-07/08	2	WIRELESS ACCESS POINT - WALL MOUNTED
E116	08	08-A-09/10	2	DATA LOCATION
E116	08	08-A-11	1	ALERTUS BEACON LOCATION
E119	08	08-A-12/13	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E119	08	08-A-14/15	2	MONITOR LOCATION
E122	08	08-A-16/17	2	DATA LOCATION
E122	08	08-A-18/19	2	DATA LOCATION
E127	08	08-A-20/21	2	DATA LOCATION
E128	08	08-A-22	1	SECURITY CAMERA - NEW SINGLE SENSOR
E130	08	08-A-23/24	2	WIRELESS ACCESS POINT - CEILING MOUNTED
E130	08	08-B-01/02	2	DATA LOCATION
E130	08	08-B-03/04	2	MONITOR LOCATION
E130	08	08-B-05/06	2	DATA LOCATION
E130	08	08-B-07/08	2	MONITOR LOCATION
E133	08	08-B-09/10	2	DATA LOCATION
E133	08	08-B-11/12	2	DATA LOCATION
H102	08	08-B-13	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H102	08	08-B-14/15	2	WIRELESS ACCESS POINT - WALL MOUNTED
H102	08	08-B-16/17	2	DIGITAL SIGNAGE LOCATION
H103	08	08-B-18/19	2	WIRELESS ACCESS POINT - WALL MOUNTED
H103	08	08-B-20/21	2	WIRELESS ACCESS POINT - WALL MOUNTED
H103	08	08-B-22/23	2	WIRELESS ACCESS POINT - WALL MOUNTED
H103	08	08-B-24/25	2	WIRELESS ACCESS POINT - WALL MOUNTED
H103	08	08-B-26/27	2	DATA LOCATION
H103	08	08-B-28/29	2	DATA LOCATION
H103	08	08-B-30	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H103	08	08-B-31	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H103	08	08-B-32	1	ALERTUS BEACON LOCATION
H104	08	08-B-33	1	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H201	08	08-B-34/35	2	DATA LOCATION
H203	08	08-B-36/37	2	WIRELESS ACCESS POINT - WALL MOUNTED
H203	08	08-B-38/39	2	WIRELESS ACCESS POINT - WALL MOUNTED
H203	08	08-B-40	1	SECURITY CAMERA - WALL MOUNTED
H205	08	08-B-41/42	2	WIRELESS ACCESS POINT - WALL MOUNTED
H205	08	08-B-43/44	2	WIRELESS ACCESS POINT - WALL MOUNTED
H205	08	08-B-45	1	SECURITY CAMERA - WALL MOUNTED
J115	08	08-B-46/47	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J115	08	08-B-48,08-C-01	2	DATA LOCATION
J115	08	08-C-02/03	2	MONITOR LOCATION
J117	08	08-C-04/05	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J117	08	08-C-06/07	2	DATA LOCATION
J119	08	08-C-08/09	2	DATA LOCATION
J124	08	08-C-10/11	2	WIRELESS ACCESS POINT - CEILING MOUNTED
J125	08	08-C-12/13	2	WIRELESS ACCESS POINT - CEILING MOUNTED
Grand total			85	

IDF 09(C207) TELECOM SCHEDULE

ROOM NUMBER	TELECOM ROOM	LABEL	DATA PORTS	COMMENTS
C201	09	09-A-01	1	SECURITY CAMERA - CEILING MOUNTED
C201	09	09-A-02	1	SECURITY CAMERA - CEILING MOUNTED
C201	09	09-A-03	1	
C202	09	09-A-04/05	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C202	09	09-A-06/07	2	MONITOR LOCATION
C203	09	09-A-08/09	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C205	09	09-A-10/11	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C205	09	09-A-12/13	2	MONITOR LOCATION
C205	09	09-A-14/15	2	DATA LOCATION
C205	09	09-A-16	1	CLASSROOM AUDIO SYSTEM LOCATION
C206	09	09-A-17/18	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C206	09	09-A-19/20	2	MONITOR LOCATION
C206	09	09-A-21/22	2	DATA LOCATION
C206	09	09-A-23	1	CLASSROOM AUDIO SYSTEM LOCATION
C210	09	09-A-24;09-B-01	2	WIRELESS ACCESS POINT - CEILING MOUNTED
C210	09	09-B-02/03	2	MONITOR LOCATION
C210	09	09-B-04/05	2	DATA LOCATION
C210	09	09-B-06	1	CLASSROOM AUDIO SYSTEM LOCATION
Grand total			30	

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS

DRAWN BY: SRH

DATE: JANUARY 16, 2024

SHEET NAME: TELECOM SCHEDULES

SHEET: T502

COMM #: 2265

1/16/2024 7:24:43 AM

MDF 00 (C163) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
C129A	C129a-DPS	00	EAC DOOR TYPE S1EH
C129B	C129b-CR	00	EAC DOOR TYPE S2BA
C130b	C130b-AA	00	EAC DOOR TYPE AUDIBLE ALARM
C130b	C130b-DPS	00	EAC DOOR TYPE D1
C134b	C134b-AA	00	EAC DOOR TYPE AUDIBLE ALARM
C134b	C134b-DPS	00	EAC DOOR TYPE D1
C134b	C139b-DPS	00	EAC DOOR TYPE D1
C139	C139b-DPS	00	EAC DOOR TYPE AUDIBLE ALARM
C155a	C155a-DPS	00	EAC DOOR TYPE D1EH
C155b	C155b-CR	00	EAC DOOR TYPE D2
C159a	C159a-CR	00	EAC DOOR TYPE S2M
C163a	C163a-CR	00	EAC DOOR TYPE S2
D110a	D110a-AA	00	EAC DOOR TYPE AUDIBLE ALARM
D110a	D110a-DPS	00	EAC DOOR TYPE S1RU
D110b	D110b-CR	00	EAC DOOR TYPE S2

IDF 01 (A123) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
A101a	A101a-CR	01	EAC DOOR TYPE D2A
A101b	A101b-DPS	01	EAC DOOR TYPE D1EH
A101c	A101c-DPS	01	EAC DOOR TYPE D1EH
A101d	A101d-CR	01	EAC DOOR TYPE D2A
A101e	A101e-DPS	01	EAC DOOR TYPE D1EH
A101f	A101F-DPS	01	EAC DOOR TYPE D1EH
A102a	A102a-CR	01	EAC DOOR TYPE D2MA
A102b	A102b-DPS	01	EAC DOOR TYPE D1EH
A102c	A102c-DPS	01	EAC DOOR TYPE D1EH
A104a	A104a-CR	01	EAC DOOR TYPE S2M
A105a	A105a-CR	01	EAC DOOR TYPE S2
A106a	A106a-CR	01	EAC DOOR TYPE S2
A152a	A152a-CR	01	EAC DOOR TYPE S2M
A152c	A152c-CR	01	EAC DOOR TYPE S2
C101A	C101a-DPS	01	EAC DOOR TYPE D1EH
C101B	C101b-CR	01	EAC DOOR TYPE D2
E106d	E106d-CR	01	EAC DOOR TYPE D2
E113a	E113a-DPS	01	EAC DOOR TYPE D1EH
E113b	E113b-CR	01	EAC DOOR TYPE D2

IDF 02 (A190) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
A150b	A150b-AA	02	EAC DOOR TYPE AUDIBLE ALARM
A150b	A150b-DPS	02	EAC DOOR TYPE S1
A151a	A151a-CR	02	EAC DOOR TYPE D2
A151b	A151b-DPS	02	EAC DOOR TYPE D1EH
A151c	A151c-CR	02	EAC DOOR TYPE D2
A15d	A151d-DPS	02	EAC DOOR TYPE D1EH
E115a	E115a-DPS	02	EAC DOOR TYPE D1ML
E115b	E115b-CR	02	EAC DOOR TYPE D2MLIO
E115b	E115b-CR	02	EAC DOOR TYPE D2MLIO
J132a	J132a-AA	02	EAC DOOR TYPE AUDIBLE ALARM
J110a	J132a-DPS	02	EAC DOOR TYPE S1

IDF 03 (B138) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
B114A	B114a-CR	03	EAC DOOR TYPE S2
B133a	B133a-CR	03	EAC DOOR TYPE D2
B133b	B133b-CR	03	EAC DOOR TYPE D2
B141a	B141a-CR	03	EAC DOOR TYPE D2
B141b	B141b-CR	03	EAC DOOR TYPE D2
C133A	C113a-DPS	03	EAC DOOR TYPE S1EH
C113B	C113b-CR	03	EAC DOOR TYPE S2

IDF 04 (F120) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
D102a	D102a-DPS	04	EAC DOOR TYPE D1EH
D102b	D102b-CR	04	EAC DOOR TYPE D2
D117a	D117a-CR	04	EAC DOOR TYPE XXX
D129a	D129a-CR	04	EAC DOOR TYPE D2
F111a	F111a-DPS	04	EAC DOOR TYPE D1EH
F117a	F117a-CR	04	EAC DOOR TYPE D2

IDF 05 (G140) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
G109a	G109a-CR	05	EAC DOOR TYPE S2
G111a	G111a-CR	05	EAC DOOR TYP D2
G113a	G113a-CR	05	EAC DOOR TYPE S2
G118a	G118a-DPS	05	EAC DOOR TYPE D1EH
G118b	G118b-DPS	05	EAC DOOR TYPE S1
G124a	G124a-DPS	05	EAC DOOR TYPE D1
G124a/b	G124a/b-AA	05	EAC DOOR TYPE AUDIBLE ALARM
G124b	G124b-DPS	05	EAC DOOR TYPE D1

IDF 06 (G141) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
G101a	G101a-DPS	06	EAC DOOR TYPE D1EH
G101b	G101b-CR	06	EAC DOOR TYPE D2A
G101c	G101c-DPS	06	EAC DOOR TYPE D1EH
G101d	G101d-CR	06	EAC DOOR TYPE D2A
G104a	G104a-DPS	06	EAC DOOR TYPE S1
G120a	G120a-CR	06	EAC DOOR TYPE D2A
G120b	G120b-DPS	06	EAC DOOR TYPE S1
G124v	G124v-AA	06	EAC DOOR TYPE AUDIBLE ALARM
G124v	G124v-DPS	06	EAC DOOR TYPE D1
H115a	H115a-CR	06	EAC DOOR TYPE D2
H120a	H120a-CR	06	EAC DOOR TYPE S2
H115a	H123a-CR	06	EAC DOOR TYPE S2

IDF 07 (J140) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
H101b	H101b-DPS	07	EAC DOOR TYPE D1EH
H101d	H101d-DPS	07	EAC DOOR TYPE D1EH
H101f	H101f-DPS	07	EAC DOOR TYPE D1EH
H101h	H101h-CR	07	EAC DOOR TYPE D2A
H101j	H101j-CR	07	EAC DOOR TYPE D2A
H101k	H101k-DPS	07	EAC DOOR TYPE D1EH
H101m	H101m-DPS	07	EAC DOOR TYPE D1EH
H101n	H101n-DPS	07	EAC DOOR TYPE D1EH
H115c	H115c-CR	07	EAC DOOR TYPE D3
H116a	H116a-CR	07	EAC DOOR TYPE S2A
J110a	J110a-DPS	07	EAC DOOR TYPE D1
J110b	J110a/b-AA	07	EAC DOOR TYPE AUDIBLE ALARM
J110b	J110b-DPS	07	EAC DOOR TYPE D1
J110d	J110d-DPS	07	EAC DOOR TYPE D2

IDF 08(H201) ACCESS CONTROL SCHEDULE

DOOR NUMBER	LABEL	PANEL LOCATION	DOOR TYPE/ DESCRIPTION
E121a	E121a-CR	08	EAC DOOR TYPE S2
H103a	H103a-DPS	08	EAC DOOR TYPE D1EH
H103k	H103b-DPS	08	EAC DOOR TYPE D1
H103c	H103c-DPS	08	EAC DOOR TYPE D1
H103g	H103g-DPS	08	EAC DOOR TYPE D1EH
H103h	H103h-DPS	08	EAC DOOR TYPE D1EH
H103j	H103j-DPS	08	EAC DOOR TYPE D1
H103k	H103k-DPS	08	EAC DOOR TYPE D1
H103m	H103m-DPS	08	EAC DOOR TYPE D1
H103n	H103n-DPS	08	EAC DOOR TYPE D1
H104a	H104a-CR	08	EAC DOOR TYPE D2
H104b	H104b-CR	08	EAC DOOR TYPE D2
J110c	J110c-DPS	08	EAC DOOR TYPE D1
J110e	J110e-DPS	08	EAC DOOR TYPE D1EH
J117a	J117a-CR	08	EAC DOOR TYPE S2

SECURITY CAMERA MODEL SCHEDULE

ROOM NUMBER	CAMERA MODEL NUMBER	COMMENTS
A101	CD42	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
A102	CD32	SECURITY CAMERA - CEILING MOUNTED
A103	CD32	SECURITY CAMERA - CEILING MOUNTED
A105	CM42	SECURITY CAMERA - CEILING MOUNTED
A133	CD42	SECURITY CAMERA - CEILING MOUNTED
A146	CD42	SECURITY CAMERA - CEILING MOUNTED
A151	CD32	SECURITY CAMERA - CEILING MOUNTED
B127	CF81-E	SECURITY CAMERA - NEW FISHEYE SENSOR
B127	CF81-E	SECURITY CAMERA - NEW FISHEYE SENSOR
B131	CF81-E	SECURITY CAMERA - NEW FISHEYE SENSOR
B133	CD41	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
B134	CF81-E	SECURITY CAMERA - NEW FISHEYE SENSOR
B134	CF81-E	SECURITY CAMERA - NEW FISHEYE SENSOR
B141	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
B143	CF81-E	SECURITY CAMERA - NEW FISHEYE SENSOR
C1	CD42	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C2	CD42	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C101	CF81-E	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C102	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C102	CF81-E	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C137	CF81-E	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C137	CF81-E	SECURITY CAMERA - NEW FISHEYE SENSOR
C154	CF81-E	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C154	CD61	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C154	CD32	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
C155	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
C201	CD42	SECURITY CAMERA - CEILING MOUNTED
C201	CD42	SECURITY CAMERA - CEILING MOUNTED
D101	CD62	SECURITY CAMERA - NEW SINGLE SENSOR
D101	CD61	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
D102	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
D111	CD42	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
D117	CD62	SECURITY CAMERA - NEW SINGLE SENSOR
D129	CD42	SECURITY CAMERA - NEW SINGLE SENSOR
E101	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
E108	CD32	SECURITY CAMERA - NEW SINGLE SENSOR
E108	CD32	SECURITY CAMERA - NEW SINGLE SENSOR
E113	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
E113	CD42	SECURITY CAMERA - NEW SINGLE SENSOR
E128	CD22	SECURITY CAMERA - NEW SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	CH52-E	SECURITY CAMERA - NEW SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	CF81-E	SECURITY CAMERA - NEW SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	CD42-E	SECURITY CAMERA - WALL MOUNTED
EXT	CD32-E	SECURITY CAMERA - WALL MOUNTED

SECURITY CAMERA MODEL SCHEDULE

ROOM NUMBER	CAMERA MODEL NUMBER	COMMENTS
EXT	CD32-E	SECURITY CAMERA - WALL MOUNTED
EXT	CD32-E	SECURITY CAMERA - WALL MOUNTED
EXT	CD32-E	SECURITY CAMERA - WALL MOUNTED
EXT	CD52-E	SECURITY CAMERA - NEW SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	CD41-E	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	CD61-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
EXT	CD61-E	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
EXT	CF81-E	SECURITY CAMERA - RECABLED EXISTING FISHEYE SENSOR
EXT	CD61-E	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
F117	CD42	SECURITY CAMERA - NEW SINGLE SENSOR
G101	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G102	CD41	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G103	CD41	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G120	CD42	SECURITY CAMERA - NEW SINGLE SENSOR
G120	CD42	SECURITY CAMERA - NEW SINGLE SENSOR
G124	CD41-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
G124	CD61-E	SECURITY CAMERA - RELOCATED EXISTING SINGLE SENSOR
H101	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H102	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H102	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H103	CD61	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H103	CD61	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H104	CD42	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H115	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
H203	CD32	SECURITY CAMERA - WALL MOUNTED
H205	CD32	SECURITY CAMERA - WALL MOUNTED
J1	CD22	SECURITY CAMERA - CEILING MOUNTED
J2	CD22	SECURITY CAMERA - CEILING MOUNTED
J101	CD41	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
J110	CD61	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
J110	CD61	SECURITY CAMERA - RECABLED EXISTING SINGLE SENSOR
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CH52-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CH52-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CP52-E-PTZ	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
PARKING LOT	CD62-E	SECURITY CAMERA - POLE MOUNTED
SB PRESS BOX	CD52-E	SECURITY CAMERA - NEW SINGLE SENSOR
SB PRESS BOX	CD52-E	SECURITY CAMERA - NEW SINGLE SENSOR

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RENOVATIONS AND ADDITIONS TO:
DANVILLE HIGH SCHOOL
DANVILLE COMMUNITY SCHOOL CORPORATION
DANVILLE, INDIANA

INDICATES REVISION AND DATE

STATUS: CONSTRUCTION DOCUMENTS
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