

BID ADDENDUM NO. 2

Date of Addendum: January 9, 2024
Issued for Bid Date: December 18, 2022
Client Name: Eastchester Union Free School District
Project Name: 2022 Capital Bond Project, Phase 3
SED Project No.: Anne Hutchinson Elementary School: 66-03-01-03-0-001-023
Eastchester Middle / High School: 66-03-01-03-0-003-031
MEMASI Project No.: 102-2301
Contracts: Contract No. 1 – General Construction (GC)
Contract No. 2 – Mechanical Construction (MC)
Contract No. 3 – Electrical Construction (EC)
Contract No. 4 – Plumbing Construction (PC)

This Bid Addendum forms part of the Contract Documents and modifies the original Issued for Bid Documents dated December 18, 2023. Where provisions of the following supplementary information differ from those of the original Bid Documents, this Addendum shall govern and take precedence.

The Bid Documents are modified and clarified as follows:**Addenda to Specifications:****1. Section 230993 SEQUENCES OF OPERATION –**

- a. Paragraph 1.7-B-6 shall be revised as follows: “Mixed air temperature sensor upstream of the hydronic coil. ***This sensor shall be averaging capillary type.***”
- b. Paragraph 1.9-B-4 shall be revised as follows: “Mixed air temperature sensor upstream of the hydronic coil. ***This sensor shall be averaging capillary type.***”

Addenda to Drawings:**1. MSHS E001 – ELECTRICAL COVER SHEET**

- a. Addition of a cutting and patching note for clarification.
- b. Updated Drawing list to reflect the addition of drawing MSHS E-102C.

2. MSHS ED102C – ELECTRICAL PART PLAN – DEMOLITION 2ND FLOOR – AREA C

- a. Addition of this drawing.

3. MSHS E102-A – ELECTRICAL PART PLAN – 2ND FLOOR – AREA A

- a. Removed a redundant ceiling fire alarm strobe.

4. MSHS E102-C – ELECTRICAL PART PLAN – 2ND FLOOR – AREA C

- a. Clarification to existing panels MB-4 and PPMB3.

5. MSHS E501 – ELECTRICAL ONE-LINE DIAGRAM (HIGH SCHOOL)

- a. Updated name of Main switchboard to “MBD”.

6. MSHS E602 – ELECTRICAL PANEL SCHEDULES

- a. Added schedule for panel PPMB3.

7. AH E001 – ELECTRICAL COVER SHEET

- a. Addition of a cutting and patching note for clarification.

8. HSMS MD102-C – MECHANICAL DEMOLITION PART PLAN -SECOND FLOOR – AREA C

- a. Indicated demolition scope for HS Gym Mechanical room. Demolition of existing H&V units, Return Air fans, and Unit Heater.

9. HSMS M102-A – MECHANICAL PART PLAN – 2ND FLOOR – AREA A

- a. Chiller note revised to remove dunnage height. Height is indicated on Structural drawings.
- 10. HSMS M102-C – MECHANICAL PART PLAN – 2ND FLOOR – AREA C**
 - a. Updated RTU note to indicate roof curb in lieu of dunnage. Fixed note and designation for new unit heater.
- 11. HSMS M103-B – MECHANICAL PART PLAN – 3RD FLOOR – AREA B**
 - a. Chiller note revised to remove dunnage height. Height is indicated on Structural drawings.
- 12. HSMS M601 – MECHANICAL SCHEDULES**
 - a. Updated RTU schedule with roof curb note and operating weight with roof curb.
- 13. HSMS M602 – MECHANICAL SCHEDULES**
 - a. Added Hot Water Unit Heater Schedule.
- 14. MSHS M703 – MECHANICAL DETAILS**
 - a. Updated Unit Ventilator Detail notes indicated sleeve gauge and reference to Structural Dwgs.
- 15. MSHS P100-A – PLUMBING PART PLAN – BASEMENT – AREA A**
 - a. Added size to new alarm check valve and sprinkler piping.
- 16. MSHS P501 – PLUMBING RISER DIAGRAM**
 - a. Revised fixture tags to indicate existing fixtures.
- 17. MSHS P601 – PLUMBING SCHEDULES**
 - a. Updated Water Heater Schedule & Plumbing Fixture Schedule.
- 18. MSHS P701 – PLUMBING DETAILS**
 - a. Updated Water Heater Detail, and Water Service Elevation Details.

Responses to RFI:

1. See attached RFI and responses.

Attachments:

Drawings:

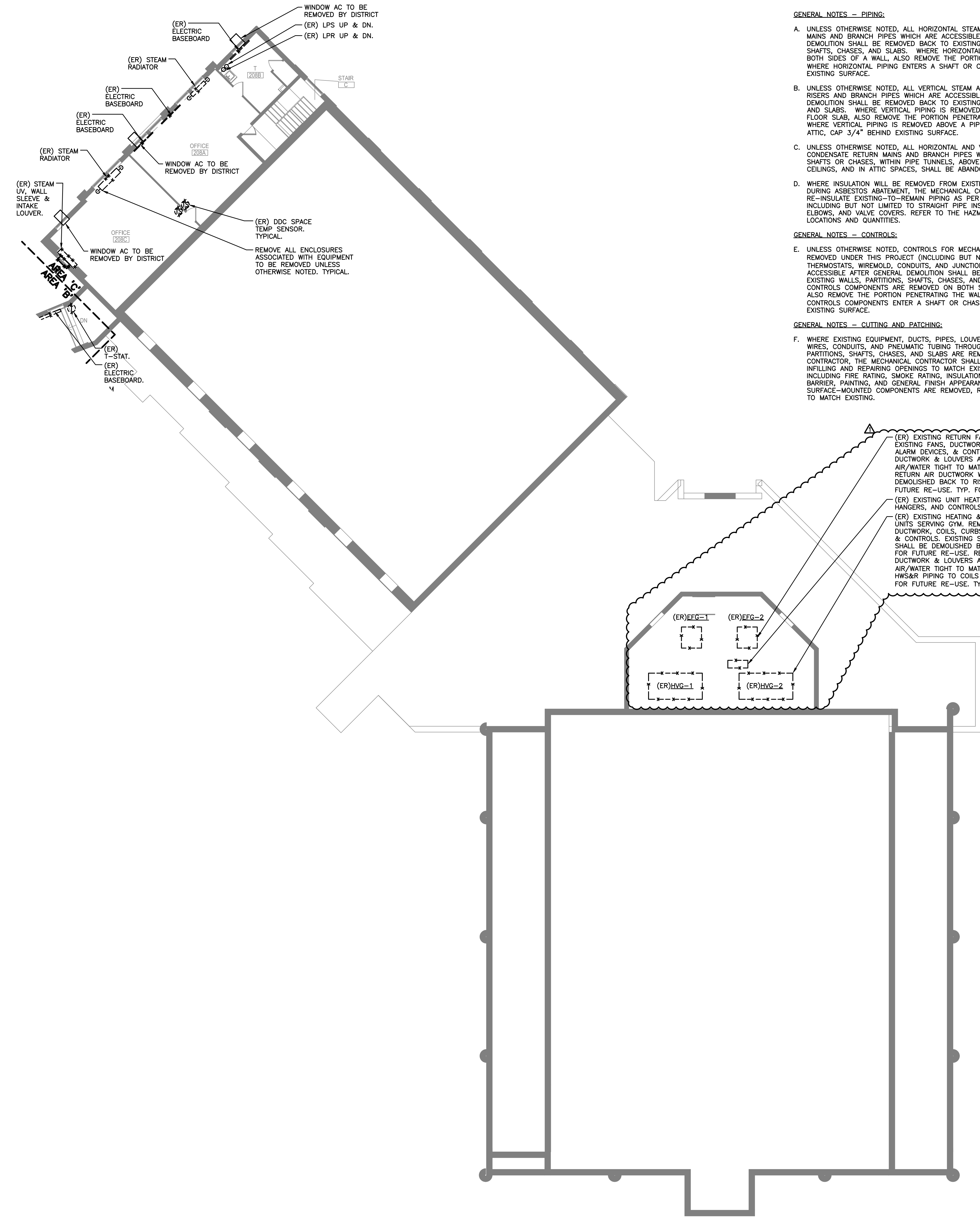
MSHS E001	MSHS ED102-C	MSHS E102-A	MSHS E102-C
MSHS E501	MSHS E602	AH E001	MSHS MD102-C
MSHS M102-A	MSHS M102-C	MSHS M103-B	MSHS M601
MSHS M602	MSHS M703	MSHS P100-A	MSHS P501
MSHS P601	MSHS P701		

Responses to RFI's:

All Bright RFI #1, 2, 3, and 4.
Bertussi Contracting RFI #005, 006, and 008.
Lombardo RFI #001 and 002
Milcon RFI #004

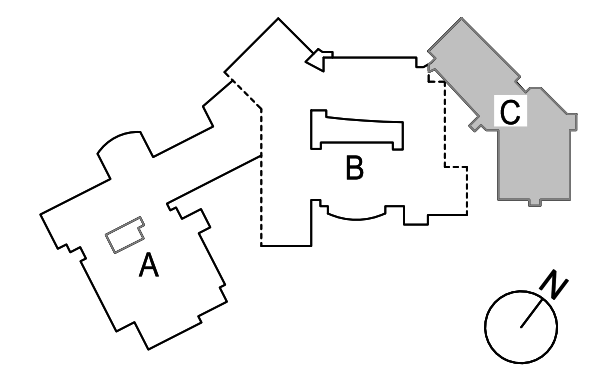
END OF BID ADDENDUM NO. 2

- GENERAL NOTES — PIPING:**
- A. UNLESS OTHERWISE NOTED, ALL HORIZONTAL STEAM AND CONDENSATE RETURN MAINS AND BRANCH PIPES WHICH ARE ACCESSIBLE AFTER GENERAL DEMOLITION SHALL BE REMOVED BACK TO EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS. WHERE HORIZONTAL PIPING IS REMOVED ON BOTH SIDES OF A WALL, ALSO REMOVE THE PORTION PENETRATING THE WALL. WHERE HORIZONTAL PIPING ENTERS A SHAFT OR CHASE, CAP 3/4" BEHIND EXISTING SURFACE.
 - B. UNLESS OTHERWISE NOTED, ALL VERTICAL STEAM AND CONDENSATE RETURN RISERS AND BRANCH PIPES WHICH ARE ACCESSIBLE AFTER GENERAL DEMOLITION SHALL BE REMOVED BACK TO EXISTING WALLS, SHAFTS, CHASES, AND SLABS. WHERE VERTICAL PIPING IS REMOVED ABOVE AND BELOW A FLOOR SLAB, ALSO REMOVE THE PORTION PENETRATING THE FLOOR SLAB. WHERE VERTICAL PIPING IS REMOVED ABOVE A PIPE TUNNEL OR BELOW AN ATTIC, CAP 3/4" BEHIND EXISTING SURFACE.
 - C. UNLESS OTHERWISE NOTED, ALL HORIZONTAL AND VERTICAL STEAM AND CONDENSATE RETURN MAINS AND BRANCH PIPES WITHIN EXISTING-TO-REMAIN SHAFTS OR CHASES, WITHIN PIPE TUNNELS, ABOVE EXISTING-TO-REMAIN CEILINGS, AND IN ATTIC SPACES, SHALL BE ABANDONED IN PLACE.
 - D. WHERE INSULATION WILL BE REMOVED FROM EXISTING-TO-REMAIN PIPING DURING ASBESTOS ABATEMENT, THE MECHANICAL CONTRACTOR SHALL RE-INSULATE EXISTING-TO-REMAIN PIPING AS PER THE SPECIFICATION, INCLUDING BUT NOT LIMITED TO STRAIGHT PIPE INSULATION, FITTINGS, ELBOWS, AND VALVE COVERS. REFER TO THE HAZMAT DRAWINGS FOR LOCATIONS AND QUANTITIES.
- GENERAL NOTES — CONTROLS:**
- E. UNLESS OTHERWISE NOTED, CONTROLS FOR MECHANICAL EQUIPMENT TO BE REMOVED UNDER THIS PROJECT (INCLUDING BUT NOT LIMITED TO THERMOSTATS, WIREMOLD, CONDUITS, AND JUNCTION BOXES) WHICH ARE ACCESSIBLE AFTER GENERAL DEMOLITION SHALL BE REMOVED BACK TO EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS. WHERE CONTROLS COMPONENTS ARE REMOVED ON BOTH SIDES OF A WALL OR SLAB, ALSO REMOVE THE PORTION PENETRATING THE WALL OR SLAB. WHERE CONTROLS COMPONENTS ENTER A SHAFT OR CHASE, CAP 3/4" BEHIND EXISTING SURFACE.
- GENERAL NOTES — CUTTING AND PATCHING:**
- F. WHERE EXISTING EQUIPMENT, DUCTS, PIPES, LOUVERS, GRILLES, CONTROLS, WIRES, CONDUITS, AND PNEUMATIC TUBING THROUGH EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS ARE REMOVED BY THE MECHANICAL CONTRACTOR, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INFILLING AND REPAIRING OPENINGS TO MATCH EXISTING CONSTRUCTION, INCLUDING FIRE RATING, SMOKE RATING, INSULATION VALUE, MOISTURE BARRIER, PAINTING, AND GENERAL FINISH APPEARANCE. WHERE SURFACE-MOUNTED COMPONENTS ARE REMOVED, REPAIR SURFACE FINISHES TO MATCH EXISTING.



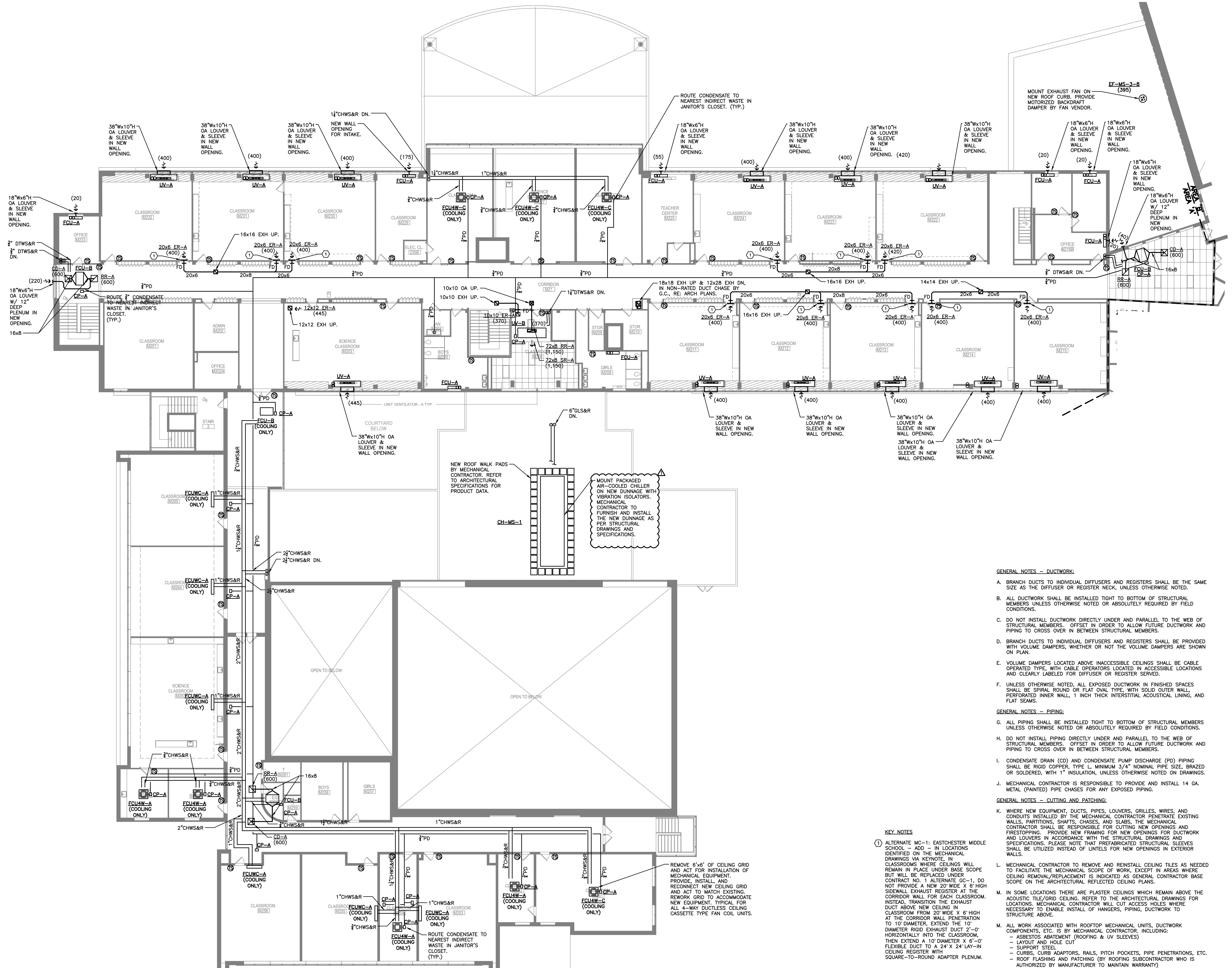
ADDENDUM 2	01/09/2024
BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 66-03-01-03-0-003-031
MEMASI PROJECT NO. 102-2301

**MECHANICAL
DEMOLITION PART
PLAN - SECOND
FLOOR - AREA C**



GENERAL NOTES - DUCTWORK:

- A. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE THE SAME SIZE AS THE DIFFUSER OR REGISTER NECK, UNLESS OTHERWISE NOTED.
- B. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- C. DO NOT INSTALL DUCTWORK DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- D. BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND REGISTERS SHALL BE PROVIDED WITH VOLUME DAMPERS, WHETHER OR NOT THE VOLUME DAMPERS ARE SHOWN ON PLAN.
- E. VOLUME DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS SHALL BE CABLE OPERATED TYPE, WITH CABLE OPERATORS LOCATED IN ACCESSIBLE LOCATIONS AND CLEARLY LABELED FOR DIFFUSER OR REGISTER SERVED.
- F. UNLESS OTHERWISE NOTED, ALL EXPOSED DUCTWORK IN FINISHED SPACES SHALL BE SPIRAL ROUND OR FLAT OVAL TYPE, WITH SOLID OUTER WALL, PERFORATED INNER WALL, 1 INCH THICK INTERSTITIAL ACOUSTICAL LINING, AND FLAT SEAMS.

GENERAL NOTES - PIPING:

- G. ALL PIPING SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS UNLESS OTHERWISE NOTED OR ABSOLUTELY REQUIRED BY FIELD CONDITIONS.
- H. DO NOT INSTALL PIPING DIRECTLY UNDER AND PARALLEL TO THE WEB OF STRUCTURAL MEMBERS. OFFSET IN ORDER TO ALLOW FUTURE DUCTWORK AND PIPING TO CROSS OVER IN BETWEEN STRUCTURAL MEMBERS.
- I. CONDENSATE DRAIN (CD) AND CONDENSATE PUMP DISCHARGE (PD) PIPING SHALL BE RIGID COPPER, TYPE L, MINIMUM 3/4" NOMINAL PIPE SIZE, BRAZED OR SOLDERED, WITH 1" INSULATION, UNLESS OTHERWISE NOTED ON DRAWINGS.
- J. MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE AND INSTALL 14 GA. METAL (PAINTED) PIPE CHASES FOR ANY EXPOSED PIPING.

GENERAL NOTES - CUTTING AND PATCHING:

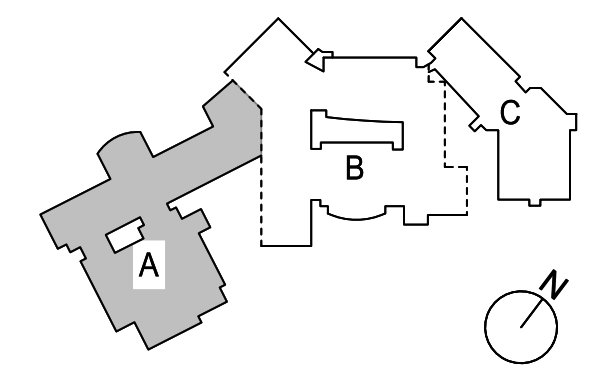
- K. WHERE NEW EQUIPMENT, DUCTS, PIPES, LOUVERS, GRILLES, WIRES, AND CONDUITS INSTALLED BY THE MECHANICAL CONTRACTOR PENETRATE EXISTING WALLS, PARTITIONS, SHAFTS, CHASES, AND SLABS, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING NEW OPENINGS AND FIRESTOPPING. PROVIDE NEW FRAMING FOR NEW OPENINGS FOR DUCTWORK AND LOUVERS IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. PLEASE NOTE THAT PREFABRICATED STRUCTURAL SLEEVES SHALL BE UTILIZED INSTEAD OF LINTELS FOR NEW OPENINGS IN EXTERIOR WALLS.
- L. MECHANICAL CONTRACTOR TO REMOVE AND REINSTALL CEILING TILES AS NEEDED TO FACILITATE THE MECHANICAL SCOPE OF WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
- M. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS. MECHANICAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS, PIPING, DUCTWORK TO STRUCTURE ABOVE.
- N. ALL WORK ASSOCIATED WITH ROOFTOP MECHANICAL UNITS, DUCTWORK COMPONENTS, ETC. IS BY MECHANICAL CONTRACTOR, INCLUDING:
 - ASBESTOS ABATEMENT (ROOFING & UV SLEEVES)
 - LAYOUT AND HOLE CUT
 - SUPPORT STEEL
 - CURBS, CURB ADAPTORS, RAILS, PITCH POCKETS, PIPE PENETRATIONS, ETC.
 - ROOF FLASHING AND PATCHING (BY ROOFING SUBCONTRACTOR WHO IS AUTHORIZED BY MANUFACTURER TO MAINTAIN WARRANTY)

KEY NOTES

- 1. ALTERNATE MC-1: EASTCHESTER MIDDLE SCHOOL - ADD - IN LOCATIONS IDENTIFIED ON THE MECHANICAL DRAWINGS VIA KEYNOTE, IN CLASSROOMS WHERE CEILINGS WILL REMAIN IN PLACE UNDER BASE SCOPE BUT WILL BE REPLACED UNDER CONTRACT NO. 1 ALTERNATE GC-1, DO NOT PROVIDE A NEW 20" WIDE X 6" HIGH SIDEWALL EXHAUST REGISTER AT THE CORRIDOR WALL FOR EACH CLASSROOM. INSTEAD, TRANSITION THE EXHAUST DUCT ABOVE NEW CEILING IN CLASSROOM FROM 20" WIDE X 6" HIGH AT THE CORRIDOR WALL PENETRATION TO 10" DIAMETER, EXTEND THE 10" DIAMETER RIGID EXHAUST DUCT 2'-0" HORIZONTALLY INTO THE CLASSROOM, THEN EXTEND A 10" DIAMETER X 6'-0" FLEXIBLE DUCT TO A 24" X 24" LAY-IN CEILING REGISTER WITH SQUARE-TO-ROUND ADAPTER PLENUM.

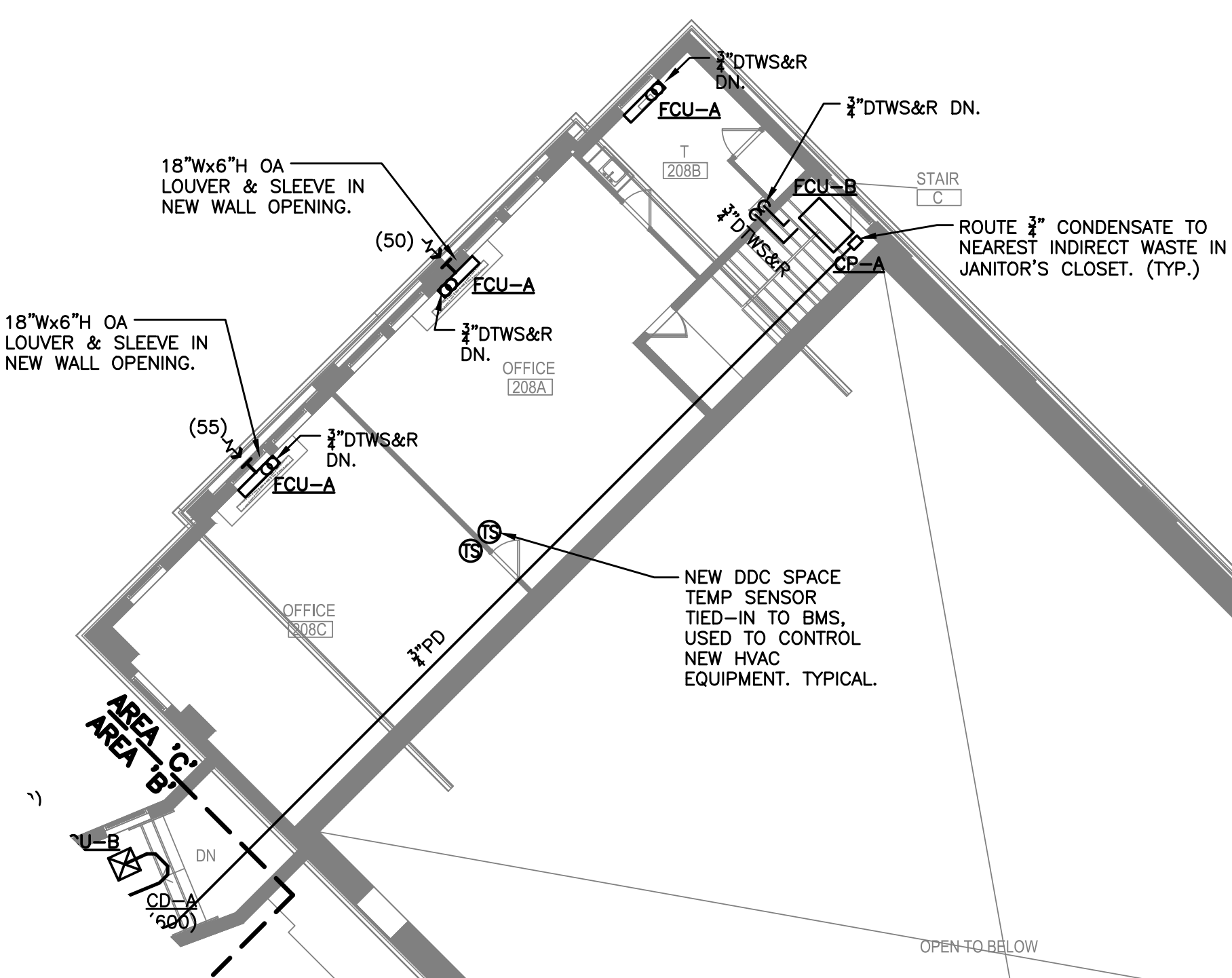
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KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**MECHANICAL PART
PLAN - 2ND FLOOR -
AREA A**



MOUNT PACKAGED ROOFTOP UNIT ON NEW 20" HIGH VIBRATION ISOLATION ROOF CURB. EXTEND SUPPLY DUCTWORK INTO MECHANICAL ROOM, WITH DUCT-MOUNTED HOT WATER HEATING COIL. AND RE-FEED EXISTING SUPPLY DUCTWORK FOR THE (2) REMOVED GYMNASIUM HEATING AND VENTILATING AIR-HANDLING UNITS. EXTEND RETURN DUCTWORK INTO MECHANICAL ROOM AND RE-FEED EXISTING RETURN DUCTWORK FOR THE (2) REMOVED GYMNASIUM HEATING AND VENTILATING AIR-HANDLING UNITS. BLANK OFF EXISTING OUTSIDE AIR INTAKE LOUVERS WATER TIGHT WITH ALUMINUM SHEETMETAL AND R-12 INSULATION. BLANK OFF ROOF SPILL AIR VENTS WATER TIGHT WITH ALUMINUM SHEETMETAL AND R-12 INSULATION. CONNECT TO EXISTING 3" HWS&R MAINS IN MECHANICAL ROOM AND EXTEND NEW 3" HWS&R TO DUCT-MOUNTED HOT WATER HEATING COIL. PROVIDE BMS TIE-IN FOR NEW RTU AND COIL CONTROL VALVE.

CONNECT TO EXISTING 3" HWS&R MAINS IN MECHANICAL ROOM AND EXTEND NEW 3" HWS&R TO UNIT HEATER. PROVIDE BMS TIE-IN FOR BLOWER AND CONTROL VALVE.

NEW ROOF WALK PADS BY MECHANICAL CONTRACTOR. REFER TO ARCHITECTURAL SPECIFICATIONS FOR PRODUCT DATA.

COMBINATION TEMPERATURE AND CO2 SENSOR, MOUNTED 6'-6" ABOVE FINISHED FLOOR, TIED-IN TO BMS. TYP FOR (2). RTU OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN MAXIMUM CO2 SETPOINT 1100 PPM (ADJ.) AT BOTH SENSORS.

GENERAL NOTES - DUCTWORK:

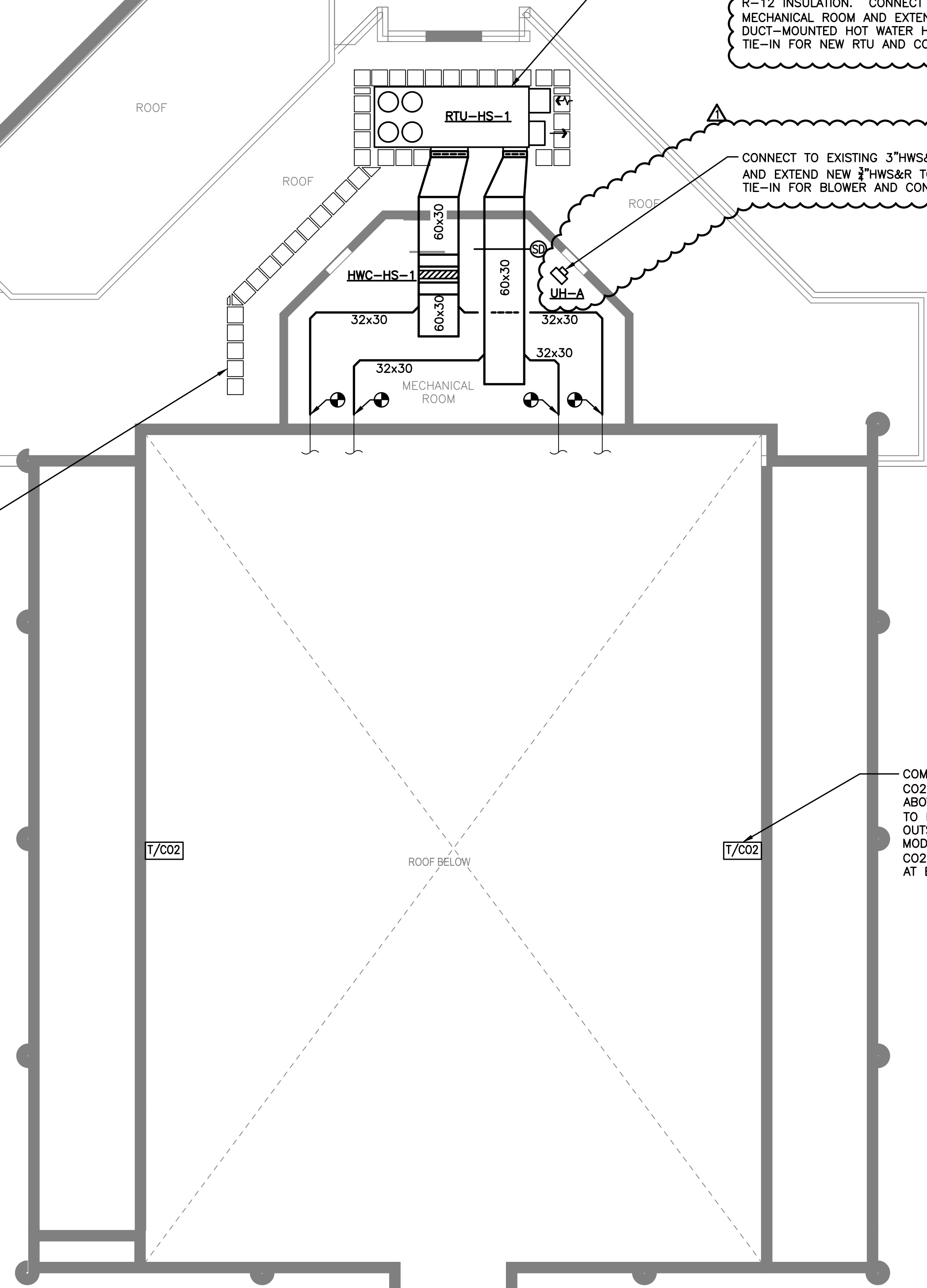
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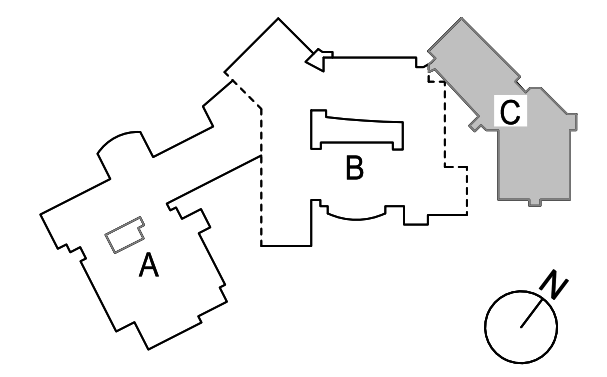
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- L. MECHANICAL CONTRACTOR TO REMOVE AND REINSTALL CEILING TILES AS NEEDED TO FACILITATE THE MECHANICAL SCOPE OF WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
- M. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS. MECHANICAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS, PIPING, DUCTWORK TO STRUCTURE ABOVE.
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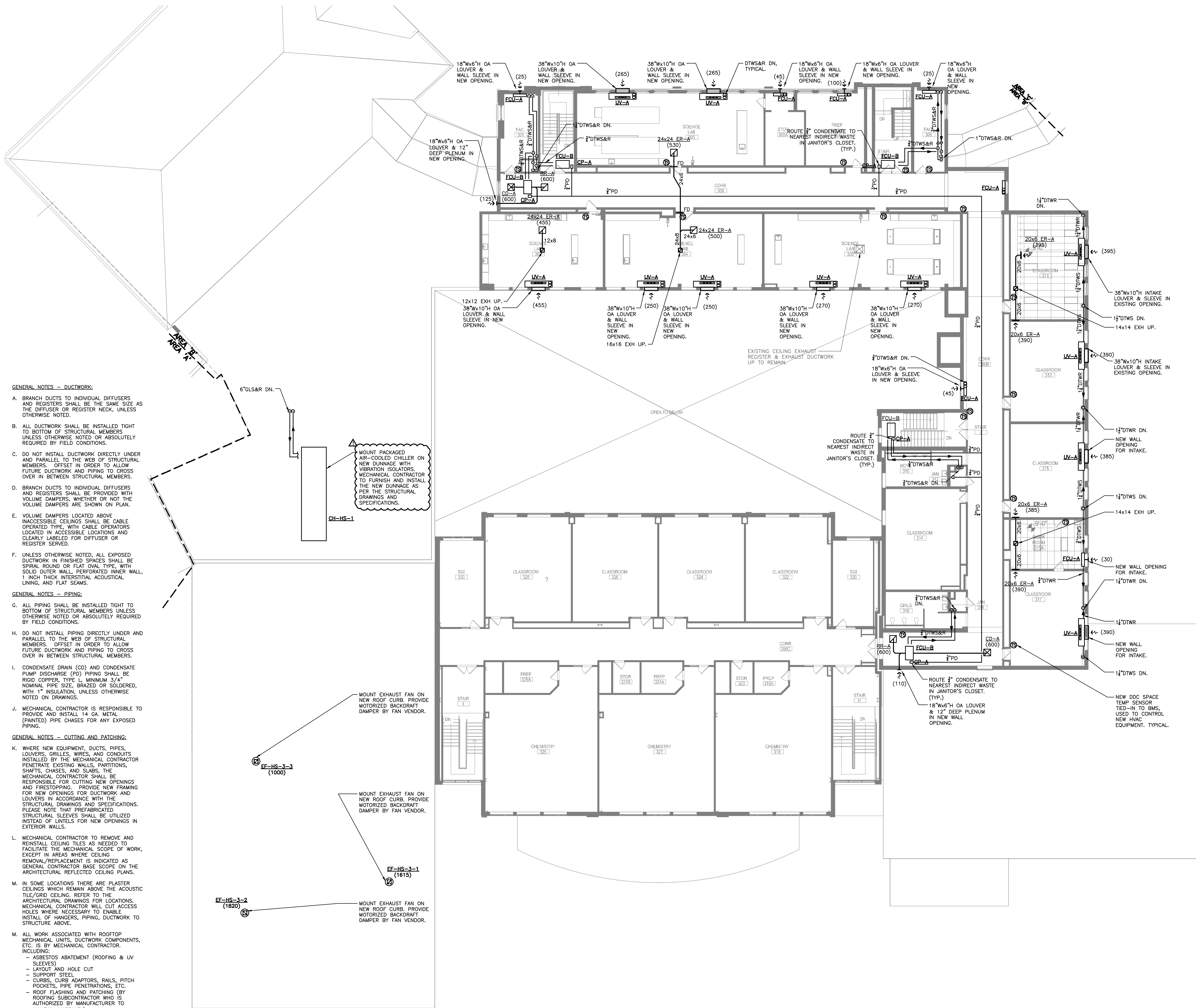
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KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
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MECHANICAL PART PLAN - 2ND FLOOR - AREA C



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- L. MECHANICAL CONTRACTOR TO REMOVE AND REINSTALL CEILING TILES AS NEEDED TO FACILITATE THE MECHANICAL SCOPE OF WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
- M. IN SOME LOCATIONS THERE ARE PLASTER CEILINGS WHICH REMAIN ABOVE THE ACOUSTIC TILE/GRID CEILING. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS. MECHANICAL CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS, PIPING, DUCTWORK TO STRUCTURE ABOVE.
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 - ROOF FLASHING AND PATCHING (BY ROOFING SUBCONTRACTOR WHO IS AUTHORIZED BY MANUFACTURER TO MAINTAIN WARRANTY)

MOUNT PACKAGED AIR-COOLED CHILLER ON NEW DUNNAGE WITH VIBRATION ISOLATORS. MECHANICAL CONTRACTOR TO FURNISH AND INSTALL THE NEW DUNNAGE AS PER THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.

CH-HS-1

MOUNT EXHAUST FAN ON NEW ROOF CURB. PROVIDE MOTORIZED BACKDRAFT DAMPER BY FAN VENDOR.

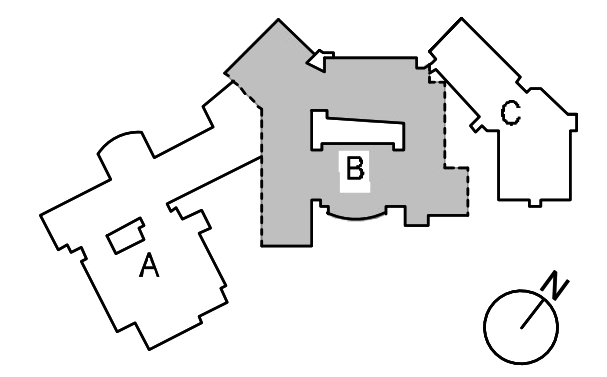
MOUNT EXHAUST FAN ON NEW ROOF CURB. PROVIDE MOTORIZED BACKDRAFT DAMPER BY FAN VENDOR.

MOUNT EXHAUST FAN ON NEW ROOF CURB. PROVIDE MOTORIZED BACKDRAFT DAMPER BY FAN VENDOR.

MECHANICAL PART PLAN - 3RD FLOOR - AREA B
3/32" = 1'-0"

ADDENDUM 2	01/09/2024
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KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
MEMASI PROJECT NO.	102-2301

**MECHANICAL PART
PLAN - 3RD FLOOR -
AREA B**

EASTCHESTER UNION FREE SCHOOL DISTRICT
2022 CAPITAL PROJECT PHASE 3
MIDDLE SCHOOL / HIGH SCHOOL



2 LYON PLACE
WHITE PLAINS, NY 10601
914.915.9519
MEMASIDESIGN.COM

STRUCTURAL CONSULTANT
REILLY TARANTINO ENGINEERING
100 PARK BLVD., SUITE 209
MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT
STANTEC
30 OAK STREET, SUITE 400
STAMFORD, CT 06005

HAZARDOUS MATERIALS CONSULTANT
WSP
ONE PENN PLAZA
250 W 34TH ST., 4TH FLOOR
NEW YORK, NY 10014

EXPANSION TANK SCHEDULE

DESIGNATION	LOCATION	CONFIGURATION	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	MAX. WORKING TEMPERATURE (°F)	MAX. WORKING PRESSURE (PSI)	ASME SEC. VIII DIV. 1 RATED (Y/N)	SYSTEM CONN. SIZE (IN)	CHARGING CONN. SIZE (IN)	CHARGING VALVE CONN. CONFIG.	DRAIN VALVE CONN. CONFIG.	DRAIN PLUG SIZE (IN)	DIMENSIONS DIAMETER (IN)	HEIGHT (IN)	OPERATING WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
ET-MS-GL-1	MIDDLE SCHOOL BOILER ROOM	FLOOR MOUNTED	53	48	240	125	Y	1/2	NPTF	1/2	NPTF	1/2	24	38	204	ARMSTRONG	200L	SEE NOTES BELOW
ET-MS-DTW-1	MIDDLE SCHOOL BOILER ROOM	FLOOR MOUNTED	211	190	240	125	Y	1/2	NPTF	1/2	NPTF	1/2	30	83	680	ARMSTRONG	800L	SEE NOTES BELOW
ET-HS-GL-1	HIGH SCHOOL BOILER ROOM	FLOOR MOUNTED	53	48	240	125	Y	1/2	NPTF	1/2	NPTF	1/2	24	38	204	ARMSTRONG	200L	SEE NOTES BELOW
ET-HS-DTW-1	HIGH SCHOOL BOILER ROOM	FLOOR MOUNTED	211	190	240	125	Y	1/2	NPTF	1/2	NPTF	1/2	30	83	680	ARMSTRONG	800L	SEE NOTES BELOW

NOTES:
1. EACH UNIT SHALL BE FACTORY PRE-CHARGED TO 12 PSIG. CALCULATE, ADJUST, AND INCREASE CHARGE IN FIELD TO MAINTAIN SYSTEM PRESSURE OF 5 PSIG AT HIGHEST POINT OF ASSOCIATED HYDRONIC SYSTEM.
2. PROVIDE CONCRETE PAD

AIR SEPARATOR SCHEDULE

DESIGNATION	LOCATION	CONFIGURATION	GPM	FLUID TYPE	MAX. WORKING TEMPERATURE (°F)	MAX. WORKING PRESSURE (PSI)	ASME SEC. VIII DIV. 1 RATED (Y/N)	INTERNAL STRAINER (Y/N)	FLUID INLET & OUTLET SIZE (IN)	AIR INLET & OUTLET CONFIG.	AIR OUTLET SIZE (IN)	DRAIN SIZE (IN)	DRAIN CONFIG.	MANUFACTURER	MODEL	REMARKS	
AS-MS-HW-1	MIDDLE SCHOOL BOILER ROOM	VORTEX	200	WATER	375	165	Y	N	4	150# FLANGE	1-1/2	NPT	1	NPT	ARMSTRONG	VA-4	SEE NOTES BELOW
AS-MS-DTW-1	MIDDLE SCHOOL BOILER ROOM	VORTEX	400	WATER	375	165	Y	N	6	150# FLANGE	1-1/2	NPT	1	NPT	ARMSTRONG	VA-6	SEE NOTES BELOW
AS-MS-GL-1	MIDDLE SCHOOL BOILER ROOM	VORTEX	440	35% PROPYLENE GLYCOL	375	165	Y	N	6	150# FLANGE	1-1/2	NPT	1	NPT	ARMSTRONG	VA-6	SEE NOTES BELOW
AS-HS-HW-1	HIGH SCHOOL BOILER ROOM	VORTEX	350	WATER	375	165	Y	N	5	150# FLANGE	1-1/2	NPT	1	NPT	ARMSTRONG	VA-5	SEE NOTES BELOW
AS-HS-DTW-1	HIGH SCHOOL BOILER ROOM	VORTEX	400	WATER	375	165	Y	N	6	150# FLANGE	1-1/2	NPT	1	NPT	ARMSTRONG	VA-6	SEE NOTES BELOW
AS-HS-GL-1	HIGH SCHOOL BOILER ROOM	VORTEX	440	35% PROPYLENE GLYCOL	375	165	Y	N	6	150# FLANGE	1-1/2	NPT	1	NPT	ARMSTRONG	VA-6	SEE NOTES BELOW

NOTES:
1. PROVIDE AN AUTOMATIC AIR EMINATOR FOR EACH AIR SEPARATOR, ARMSTRONG MODEL AAE-750, WITH 250°F MAXIMUM OPERATING TEMPERATURE, 2-133 PSIG AIR PRESSURE OPERATING RANGE, 100% SPRING ACTION POSITIVE SHUTOFF, 3/4" NPT SYSTEM CONNECTION.

CONDENSATE PUMP SCHEDULE

DESIGNATION	DISCHARGE FLOWRATE (GPH)	HEAD AT DESIGN FLOWRATE (FT-WC)	SHUT-OFF HEAD (FT-WC)	RESERVOIR CAPACITY (GAL)	WEIGHT (LBS)	MAX. FLOW TEMP. (°F)	MOTOR HP	ELECTRICAL DATA VOLTS	PH	FLA	DISCONNECT BY E.C. OR MANUF. (Y/N)	EMER. PWR. (Y/N)	MANUFACTURER	MODEL	REMARKS		
CP-A	80	18	20	1.0	15	140	1/30	120	1	60	1.5	E.C.	NEMA 1	N	LITTLE GIANT	VCCA-20-P	SEE NOTES BELOW

NOTES:
1. PROVIDE THE FOLLOWING FACTORY FEATURES AND OPTIONS:
1.1. UL 2043 PLENUM RATED, NON-COMBUSTIBLE CONSTRUCTION.
1.2. CAST ALUMINUM RESERVOIR.
1.3. STAINLESS STEEL SHAFT.
1.4. AUXILIARY SWITCH.
1.5. THERMAL OVERLOAD PROTECTOR.
1.6. HARD-WIRED, NO CORD OR PLUG.
1.7. FILTER SCREEN.
2. PROVIDE THE FOLLOWING FIELD ACCESSORIES:
2.1. CHECK VALVE.
2.2. BALL VALVE.
3. REFER TO PLANS FOR QUANTITIES AND LOCATIONS.

HOT WATER UNIT HEATER SCHEDULE

DESIGNATION	LOCATION	VERTICAL/HORIZONTAL DISCHARGE	AIRFLOW (CFM)	DRIVE TYPE	FAN DATA			HW HEATING COIL DATA														DIMENSIONS LENGTH (IN) OR DEPTH (IN)	WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS	
					MOTOR HP	VOLTS	PH	DISCONNECT BY E.C. OR MANUF. (Y/N)	TYPE	NO. OF ROWS	HEATING CAPACITY (MBH)	EAT DB (°F)	LAT DB (°F)	EWT (°F)	FLOW (GPM)	WATER P.D. (FT WC)	HEIGHT (IN)	LENGTH (IN)	WIDTH (IN)								
UH-A	MECHANICAL ROOM	VERTICAL	630	DIRECT	PSC	1/15	120	1	60	MANUF.	WATER	1	12	12.3	60	78	140	120	1.2	0.1	19	13	20	48	TRITTLING	RH-33	SEE NOTES BELOW

NOTES:
1. ALL FINISH COLORS ARE SUBJECT TO APPROVAL BY THE ARCHITECT. SUBMIT COLOR CHART FOR REVIEW.

EQUIPMENT NOTES

PERIMETER FIN TUBE RADIATION (PTR): ENCLOSURES SHALL BE VULCAN DURAVANE II MODEL JDV3-14, WALL-MOUNTED TYPE, TOP EXTRUDED ALUMINUM BAR GRILLE OUTLET, OPEN BOTTOM INLET, 14-3/16" HIGH X 4-5/8" DEEP, MOUNTED 4" ABOVE FINISHED FLOOR, 14 GAUGE STEEL. FINNED ELEMENTS SHALL BE VULCAN DURAVANE II MODEL VCUA-35, 3/4" COPPER TUBE WITH 3-1/4" DEEP X 3-1/4" HIGH ALUMINUM FINS, 0.027" FIN THICKNESS, 50 FINS/FOOT, 840 BTUH/PER LINEAR FOOT @ 170°F AVERAGE WATER TEMPERATURE. FINNED ELEMENTS SHALL RUN CONTINUOUSLY WALL-TO-WALL UNLESS OTHERWISE NOTED ON PLANS. FLOW SHALL BE 3.0 GPM UNLESS OTHERWISE NOTED ON PLANS. FURNISH ALL REQUIRED PIPE AND ENCLOSURE SUPPORTS, BRACKETS, AND FASTENERS, ETC. FURNISH ACCESS DOORS - FIELD COORDINATE LOCATIONS PRIOR TO ORDERING. FURNISH END CAPS AND CORNER ANGLES. RUN ENCLOSURES CONTINUOUSLY WALL-TO-WALL UNLESS OTHERWISE NOTED ON PLANS. CABINET FINISH SHALL BE "SILVER ALUMINUM". SUBMIT COLOR CHART FOR APPROVAL.

GLYCOL AUTO-FILL UNITS (GLF-MS-1 AND GLF-HS-1): SHALL BE ARMSTRONG MODEL GLA-UJ-HP-2, WITH 53 GALLON TANK CAPACITY, ADJUSTABLE 2-80 PSI FILL PRESSURE, 150 PSI MAXIMUM WORKING PRESSURE, DUAL 3/4 HP PUMPS (1 DUTY, 1 STANDBY) WITH CHANGE OVER UPON PUMP TRIP, 120V/1Φ/60 Hz ELECTRICAL CONNECTION. PROVIDE THE FOLLOWING FEATURES & OPTIONS:
• LOW LEVEL CUT-OUT FLOAT SWITCH
• PUMP SUCTION ISOLATION VALVE
• PUMP SUCTION STRAINER
• POWER ON LAMP
• SYSTEM PRESSURE GAUGE
• AUTO MIX VALVE
• PUMP DISCHARGE ISOLATION VALVE
• HIGH LEVEL WARNING FLOAT SWITCH
• LOW LEVEL WARNING FLOAT SWITCH
• CONTACTS FOR REMOTE ANNUNCIATION OF HIGH LEVEL, LOW LEVEL, & PUMP RUN
• AUTO ALTERNATING PUMP CONTROLLER
• PUMP H-O-A SWITCHES
• STARTER & DISCONNECT SWITCH FOR EACH PUMP, TO BE FURNISHED BY MECHANICAL CONTRACTOR & INSTALLED BY ELECTRICAL CONTRACTOR.

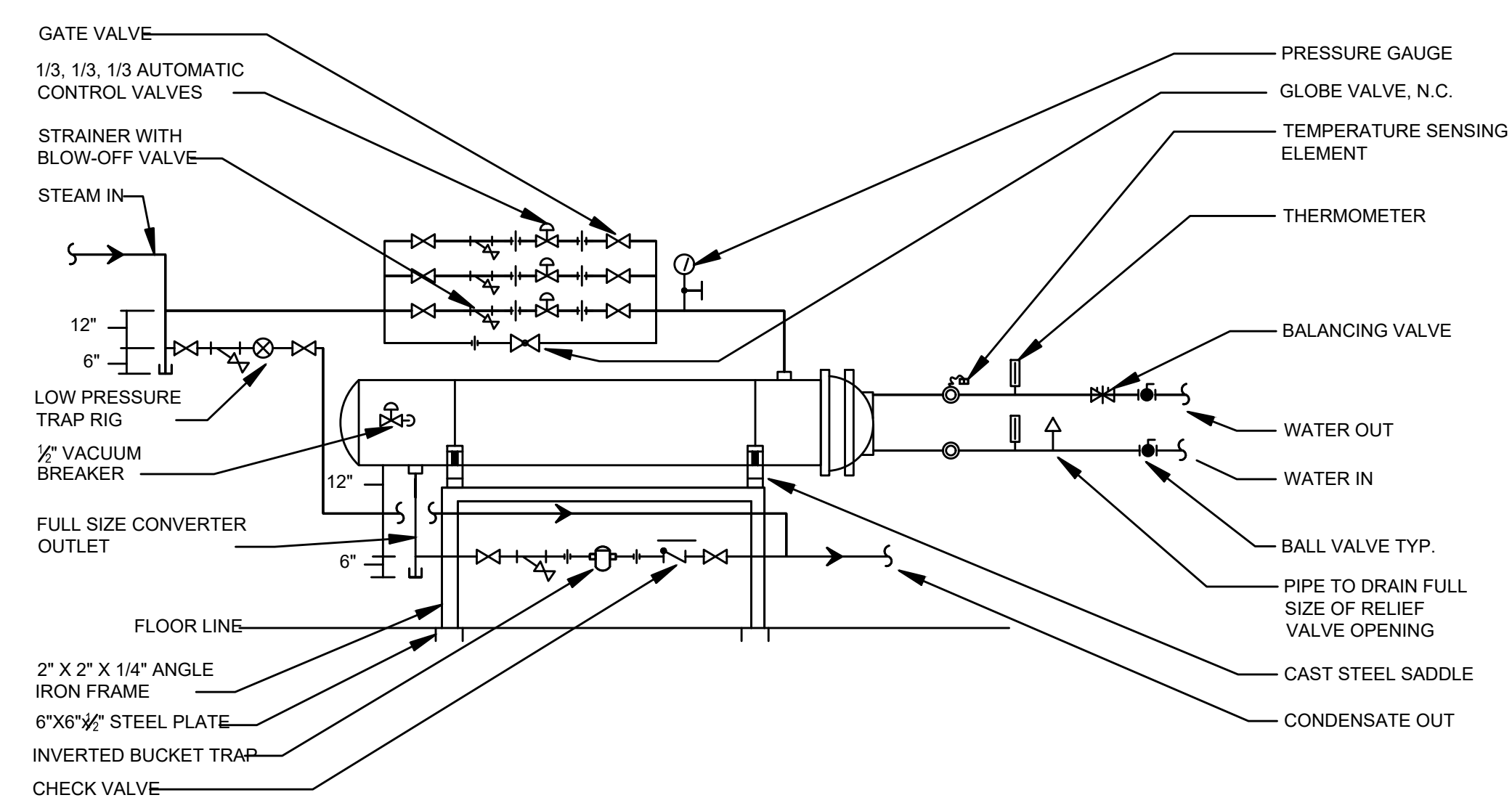
LOUVERS - FOR UNIT VENTILATORS AND FAN COIL UNITS:
INTAKE AND EXHAUST LOUVERS SHALL BE GREENECK MODEL ESD-302 OR APPROVED EQUAL, STATIONARY DRAINABLE BLADE TYPE, FRAME SHALL BE EXTRUDED 6063-T5 ALUMINUM, 2 INCH DEEP X 0.063 INCH THICK. BLADES SHALL BE EXTRUDED 6063-T5 ALUMINUM, 0.063 INCH THICK, POSITIONED AT 45 DEGREE ANGLE ON APPROXIMATELY 3 INCH CENTERS. BIRDSCREEN SHALL BE 3/4 INCH X 0.051 INCH FLATTENED ALUMINUM. MINIMUM SIZE SHALL BE 6" WIDE BY 6" HIGH. MAXIMUM SIZE FOR A SINGLE SECTION SHALL BE 120" WIDE X 120" HIGH. WITH MULTIPLE SECTIONS PROVIDED WHERE LARGER DIMENSIONS ARE INDICATED ON THE DRAWINGS. FINISH SHALL BE MILL. FINISH COLOR SHALL BE INTEGRAL COLOR AND/OR WITH COLOR CHART SUBMITTED TO THE ARCHITECT FOR COLOR SELECTION PRIOR TO FABRICATION. FOR LOUVER TEST SECTION SIZE 48" WIDE X 48" HIGH, NET FREE AREA SHALL BE AT LEAST 38% OF GROSS AREA, POINT OF WATER PENETRATION SHALL BE AT LEAST 1.059 FEET PER MINUTE THROUGH THE NET FREE AREA PER AMCA TEST PROCEDURE, AND STATIC PRESSURE DROP SHALL NOT TO EXCEED 0.10 INCHES OF WATER COLUMN AT AN AIR VELOCITY OF 825 FEET PER MINUTE THROUGH THE NET FREE AREA. LOUVERS SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR - REFER TO SPEC SECTION 09500 FOR ADDITIONAL INFORMATION AND INSTALLATION INSTRUCTIONS.
LOUVERS - FOR EXHAUST FANS:
INTAKE AND EXHAUST LOUVERS SHALL BE GREENECK MODEL ESD-435 OR APPROVED EQUAL, STATIONARY DRAINABLE BLADE TYPE, FRAME SHALL BE EXTRUDED 6063-T5 ALUMINUM, 4 INCH DEEP X 0.081 INCH THICK. BLADES SHALL BE EXTRUDED 6063-T5 ALUMINUM, 0.081 INCH THICK, POSITIONED AT 37.5 DEGREE ANGLE ON APPROXIMATELY 3-1/4 INCH CENTERS. BIRDSCREEN SHALL BE 3/4 INCH X 0.051 INCH FLATTENED ALUMINUM. MINIMUM SIZE SHALL BE 12" WIDE BY 9" HIGH. MAXIMUM SIZE FOR A SINGLE SECTION SHALL BE 120" WIDE X 120" HIGH. WITH MULTIPLE SECTIONS PROVIDED WHERE LARGER DIMENSIONS ARE INDICATED ON THE DRAWINGS. FINISH SHALL BE MILL. FINISH COLOR SHALL BE INTEGRAL COLOR AND/OR WITH COLOR CHART SUBMITTED TO THE ARCHITECT FOR COLOR SELECTION PRIOR TO FABRICATION. FOR LOUVER TEST SECTION SIZE 48" WIDE X 48" HIGH, NET FREE AREA SHALL BE AT LEAST 56% OF GROSS AREA, POINT OF WATER PENETRATION SHALL BE AT LEAST 999 FEET PER MINUTE THROUGH THE NET FREE AREA PER AMCA TEST PROCEDURE, AND STATIC PRESSURE DROP SHALL NOT TO EXCEED 0.10 INCHES OF WATER COLUMN AT AN AIR VELOCITY OF 790 FEET PER MINUTE THROUGH THE NET FREE AREA. LOUVERS SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR - REFER TO SPEC SECTION 09500 FOR ADDITIONAL INFORMATION AND INSTALLATION INSTRUCTIONS.

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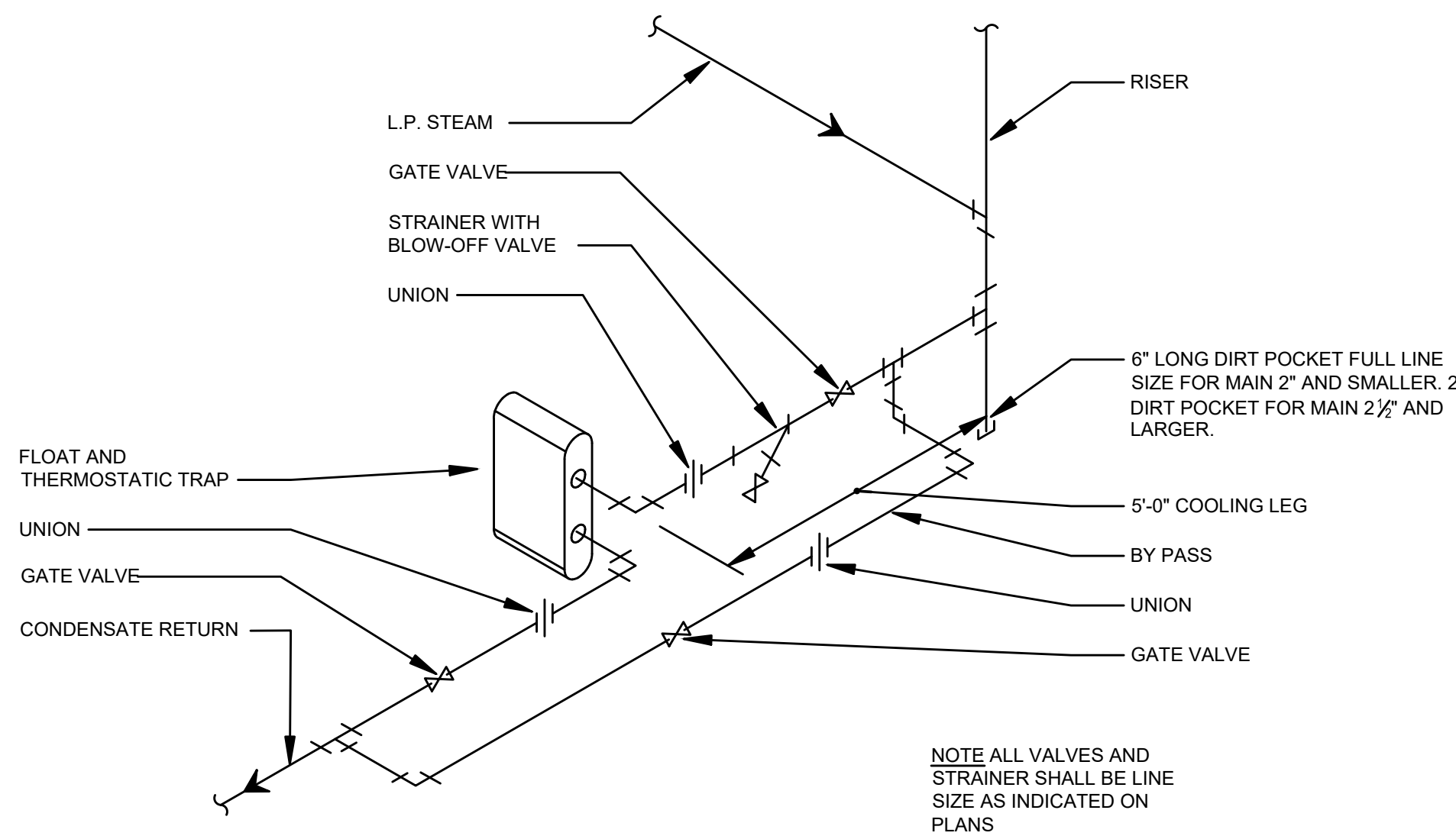
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VENTILATION SCHEDULE

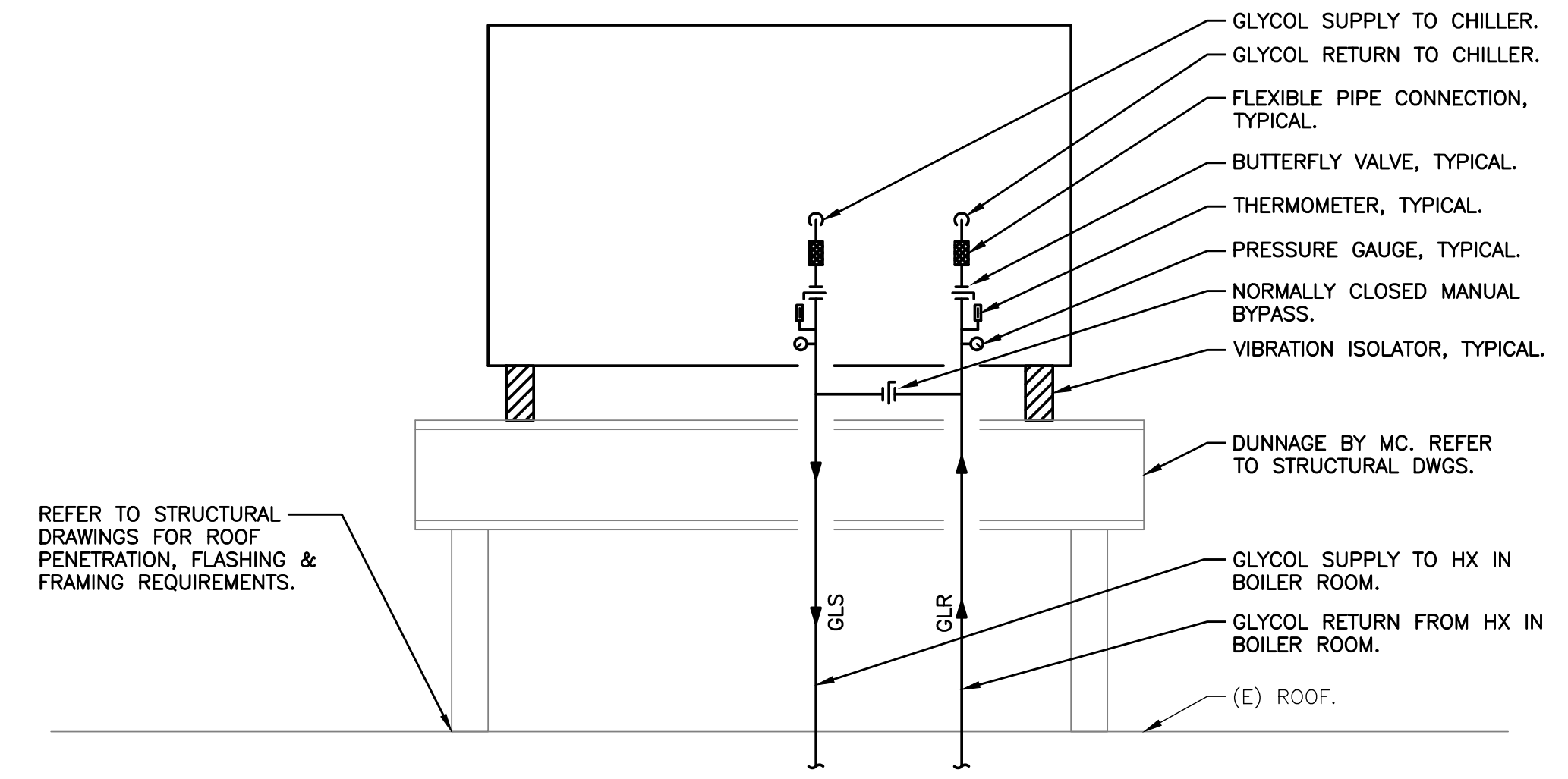
BUILDING	LEVEL	AIR HANDLING SYSTEM DATA				ROOM DATA		OUTSIDE VENTILATION AIRFLOW REQUIRED PER THE 2020 NEW YORK STATE MECHANICAL CODE - SECTION 403							
		AIR HANDLING SYSTEM DESIGNATION	DESIGN SUPPLY AIRFLOW (CFM)	DESIGN OUTSIDE VENTILATION AIRFLOW (CFM)	ROOM NUMBER	ROOM NAME	FLOOR AREA (SQ.FT.)	NUMBER OF OCC.	DESIGN SUPPLY AIRFLOW (CFM)	DESIGN OUTSIDE VENTILATION AIRFLOW (CFM)	OUTSIDE VENTILATION AIRFLOW PER PERSON (CFM / PERSON)	OUTSIDE VENTILATION AIRFLOW PER SQUARE FOOT (CFM / SQ.FT.)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ROOM OUTSIDE VENTILATION AIRFLOW (CFM)	ROOM DESIGN OUTSIDE VENTILATION AIRFLOW MEETS OR EXCEEDS CODE REQUIREMENT (YES / NO)
HIGH SCHOOL	BASEMENT	UVA	1,150	485	013	ART ROOM	957	31	1,150	485	10	0.18	1.0	482	YES
HIGH SCHOOL	BASEMENT	UVA	1,150	495	015	ART ROOM	1,068	31	1,150	495	10	0.18	1.0	491	YES
HIGH SCHOOL	BASEMENT	UVA	1,150	540	017	ART ROOM	1,258	31	1,150	540	10	0.18	1.0	536	YES
HIGH SCHOOL	BASEMENT	RTU-HS-1	16,700	3,300	-	GYMNASIUM	8,200	58	16,700	3,300	20	0.18	0.8	3,295	YES
HIGH SCHOOL	1ST FLOOR	FCU-A	600	140	-	CORRIDOR	2,315	0	600	140	0	0.06	1.0	139	YES
HIGH SCHOOL	1ST FLOOR	FCU-B	600	70	-	CORRIDOR	913	0	600	70	0	0.06	0.8	68	YES
HIGH SCHOOL	1ST FLOOR	FCU-B	600	180	-	CORRIDOR	2,337	0	600	180	0	0.06	0.8	175	YES
HIGH SCHOOL	1ST FLOOR	FCU-B	600	135	-	CORRIDOR	1,772	0	600	135	0	0.06	0.8	133	YES
HIGH SCHOOL	1ST FLOOR	FCU-A	600	30	103	OFFICE	301	2	600	30	5	0.06	1.0	28	YES
HIGH SCHOOL	1ST FLOOR	FCU-A	600	15	105	OFFICE	143	1	600	15	5	0.06	1.0	14	YES
HIGH SCHOOL	1ST FLOOR	FCU-A	600	15	105A	OFFICE	146	1	600	15	5	0.06	1.0	14	YES
HIGH SCHOOL	1ST FLOOR	UVA	1,150	395	107	CLASSROOM	692	31	1,150	395	10	0.12	1.0	393	YES
HIGH SCHOOL	1ST FLOOR	UVA	1,150	395	109	CLASSROOM	669	31	1,150	395	10	0.12	1.0	390	YES
HIGH SCHOOL	1ST FLOOR	UVA	1,150	410	125	CLASSROOM	808	31	1,150	410	10	0.12	1.0	407	YES
HIGH SCHOOL	1ST FLOOR	UVA	1,150	500	127	SCIENCE LAB	1,032	31	1,150	500	10	0.18	1.0	496	YES
HIGH SCHOOL	1ST FLOOR	FCU-A	600	85	127A	PREP	335	2	600	85	10	0.18	1.0	80	YES
HIGH SCHOOL	1ST FLOOR	UVA	1,150	405	128	CLASSROOM	788	31	1,150	405	10	0.12	1.0	405	YES
HIGH SCHOOL	1ST FLOOR	UVA	1,150	500	129	SCIENCE LAB	1,031	31	1,150	500	10	0.18	1.0	496	YES
HIGH SCHOOL	1ST FLOOR	UVA	1,150	405	130	CLASSROOM	776	31	1,150	405	10	0.12	1.0	403	YES
HIGH SCHOOL	2ND FLOOR	FCU-A	600	95	200	CORRIDOR	1,526	0	600	95	0	0.06	1.0	92	YES
HIGH SCHOOL	2ND FLOOR	FCU-B	600	20	200A	CORRIDOR	266	0	600	20	0	0.06	0.8	20	YES
HIGH SCHOOL	2ND FLOOR	FCU-B	600	125	200B	CORRIDOR	1,656	0	600	125	0	0.06	0.8	124	YES
HIGH SCHOOL	2ND FLOOR	FCU-B	600	70	200E	CORRIDOR	881	0	600	70	0	0.06	0.8	66	YES
HIGH SCHOOL	2ND FLOOR	FCU-B	600	150	200D	CORRIDOR	1,934	0	600	150	0	0.06	0.8	145	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	55	208C	OFFICE	611	3	1,150	55	5	0.06	1.0	52	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	50	208A	OFFICE	567	3	1,150	50	5	0.06	1.0	49	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	395	207	CLASSROOM	699	31	1,150	395	10	0.12	1.0	394	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	390	209	CLASSROOM	661	31	1,150	390	10	0.12	1.0	389	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	385	211	CLASSROOM	618	31	1,150	385	10	0.12	1.0	384	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	395	213	CLASSROOM	670	31	1,150	395	10	0.12	1.0	390	YES
HIGH SCHOOL	2ND FLOOR	FCU-A	1,150	30	213A	SGI	276	2	1,150	30	5	0.06	1.0	27	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	410	231	CLASSROOM	801	31	1,150	410	10	0.12	1.0	406	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	405	232	CLASSROOM	787	31	1,150	405	10	0.12	1.0	404	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	495	233	SCIENCE LAB	1,014	31	1,150	495	10	0.18	1.0	493	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	400	234	DIGITAL LAB	728	31	1,150	400	10	0.12	1.0	397	YES
HIGH SCHOOL	2ND FLOOR	FCU-A	600	85	235A	PREP	338	2	600	85	10	0.18	1.0	81	YES
HIGH SCHOOL	2ND FLOOR	UVA	1,150	495	235	SCIENCE LAB	1,009	31	1,150	495	10	0.18	1.0	492	YES
HIGH SCHOOL	3RD FLOOR	FCU-B	600	125	300	CORRIDOR	1,638	0	600	125	0	0.06	0.8	123	YES
HIGH SCHOOL	3RD FLOOR	FCU-B	600	110	300B	CORRIDOR	1,443	0	600	110	0	0.06	0.8	108	YES
HIGH SCHOOL	3RD FLOOR	FCU-A	600	25	301	FAC	245	2	600	25	5	0.06	1.0	25	YES
HIGH SCHOOL	3RD FLOOR	UVA	1,150	455	302	SCIENCE LAB	787	31	1,150	455	10	0.18	1.0	452	YES
HIGH SCHOOL	3RD FLOOR	UVA	1,150	250	304	SCIENCE LAB	1,016	31	2,300	500	10	0.18	1.0	493	YES
HIGH SCHOOL	3RD FLOOR	UVA	1,150	285	305	SCIENCE LAB	1,194	31	2,300	530	10	0.18	1.0	525	YES
HIGH SCHOOL	3RD FLOOR	FCU-A	600	45	305A	STORAGE	234	2</							



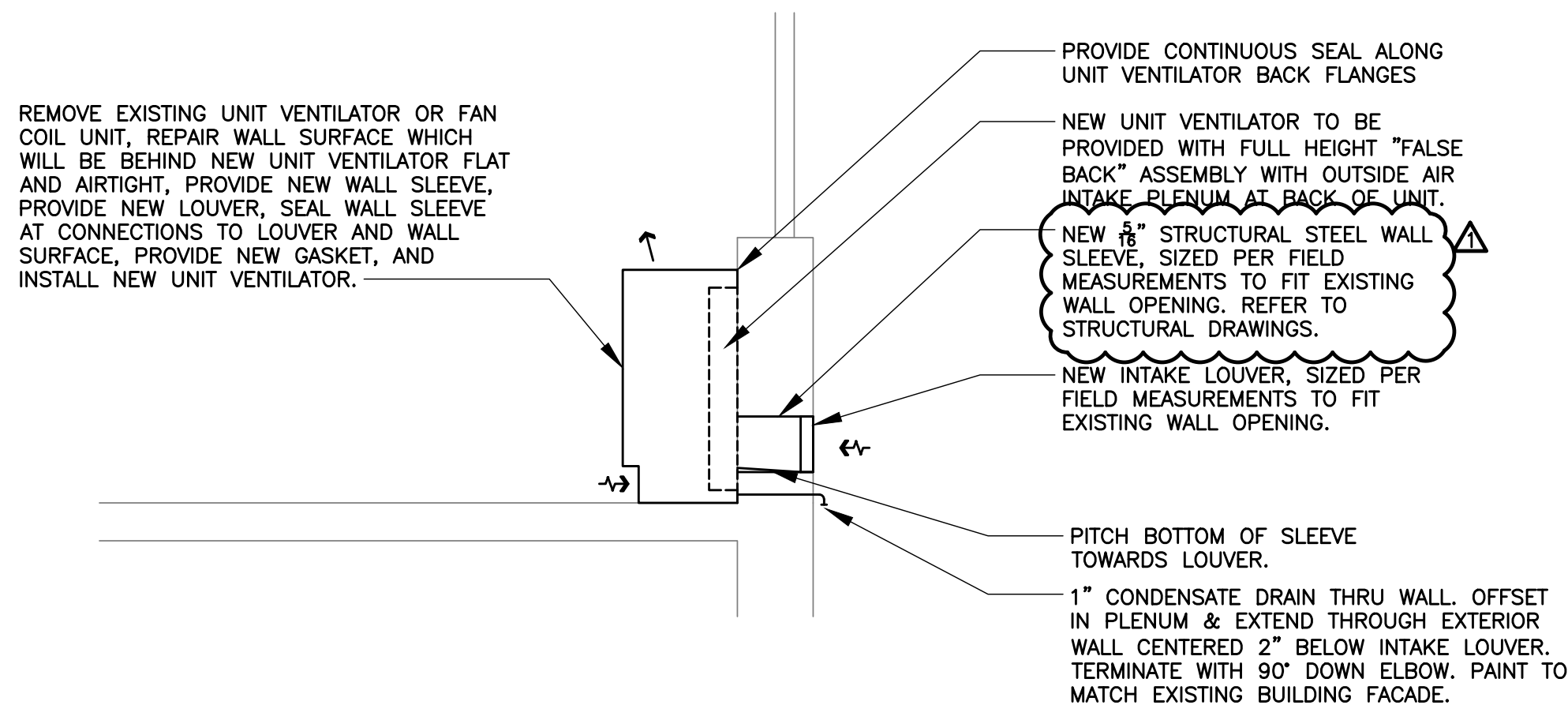
SHELL AND TUBE HEAT EXCHANGER DETAIL
N.T.S.



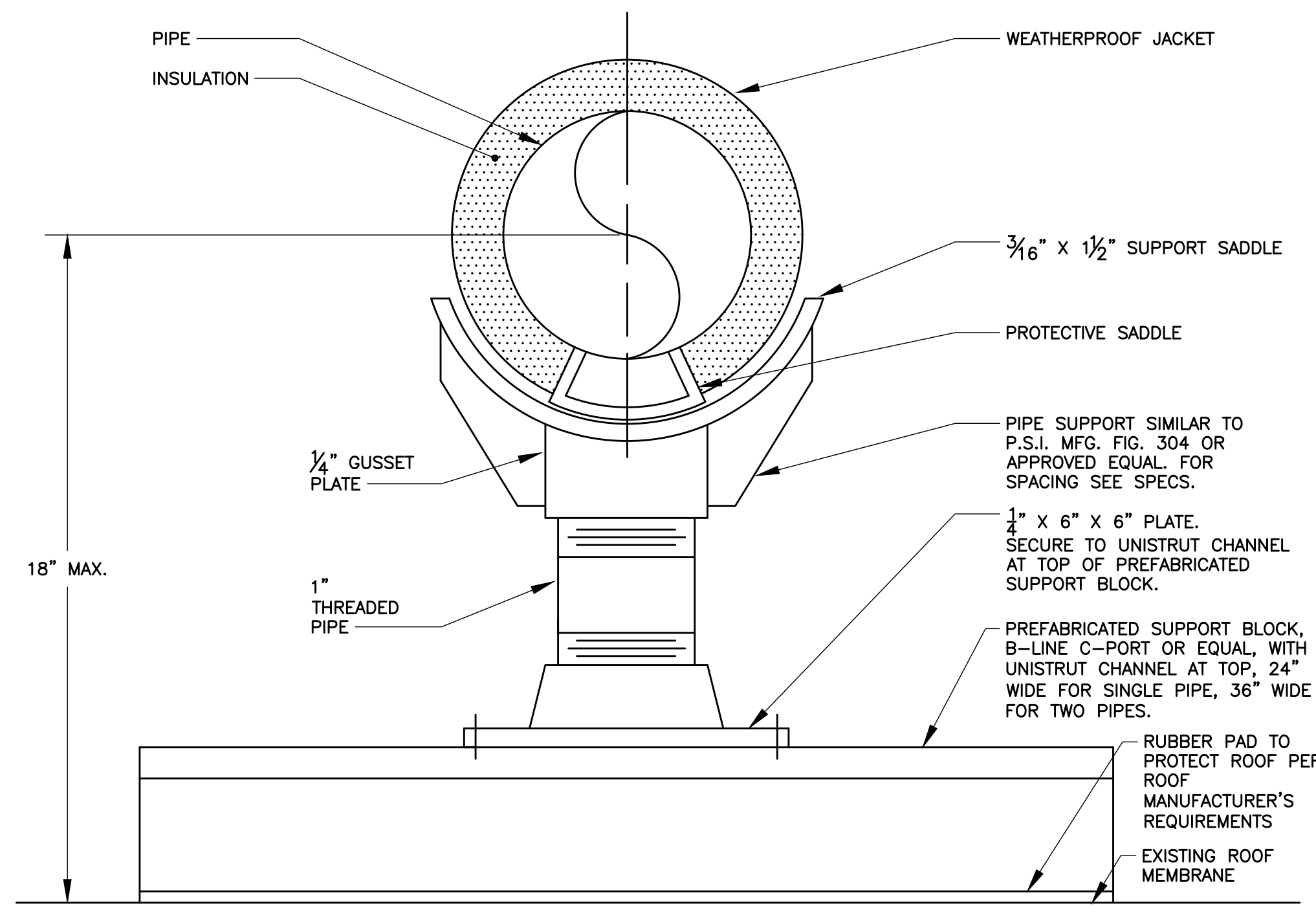
STEAM TRAP PIPING DETAIL
N.T.S.



CHILLER PIPING DETAIL

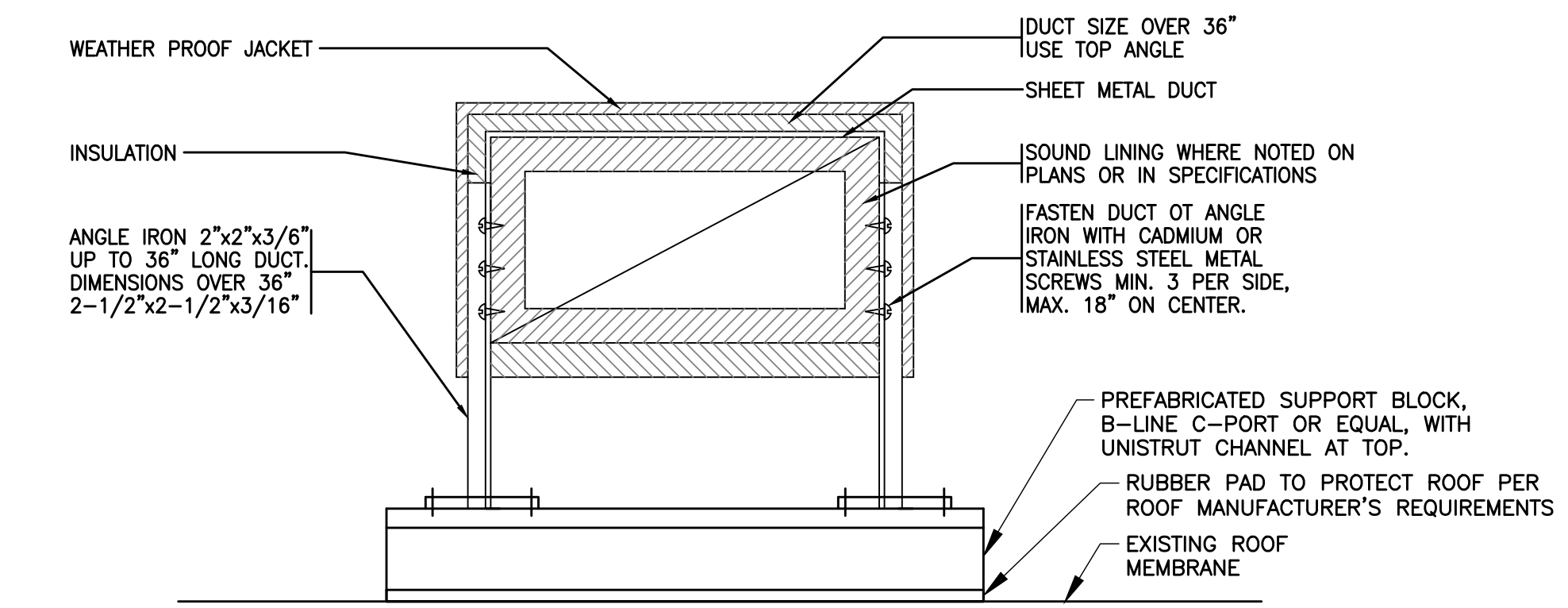


FLOOR-MOUNTED UNIT VENTILATOR OR FAN COIL UNIT INSTALLATION DETAIL EXISTING INTAKE WALL OPENING REUSED
N.T.S.



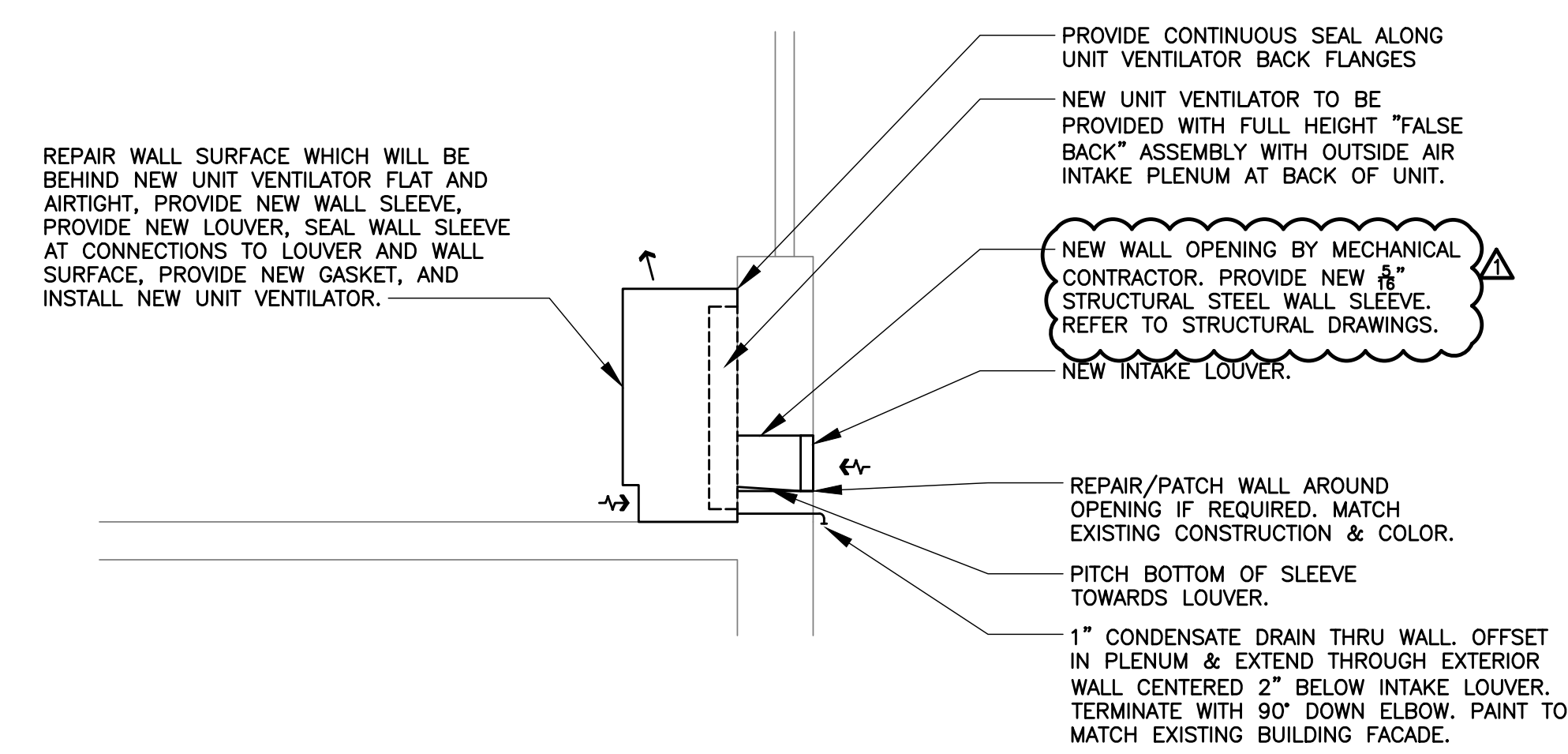
PIPING SUPPORT AT ROOF DETAIL
N.T.S.

- DUCT SUPPORT SPACING AT THE ROOF SHALL COMPLY WITH ALL OF THE FOLLOWING CRITERIA, WHICHEVER IS MOST STRINGENT:
- MINIMUM 10 FEET ON CENTER FOR STRAIGHT RUNS.
 - AT EACH CHANGE IN DIRECTION (BOTH ENDS OF HORIZONTAL ELBOW, HORIZONTAL END OF HORIZONTAL-TO-VERTICAL ELBOW),
 - PER "SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE", LATEST EDITION.

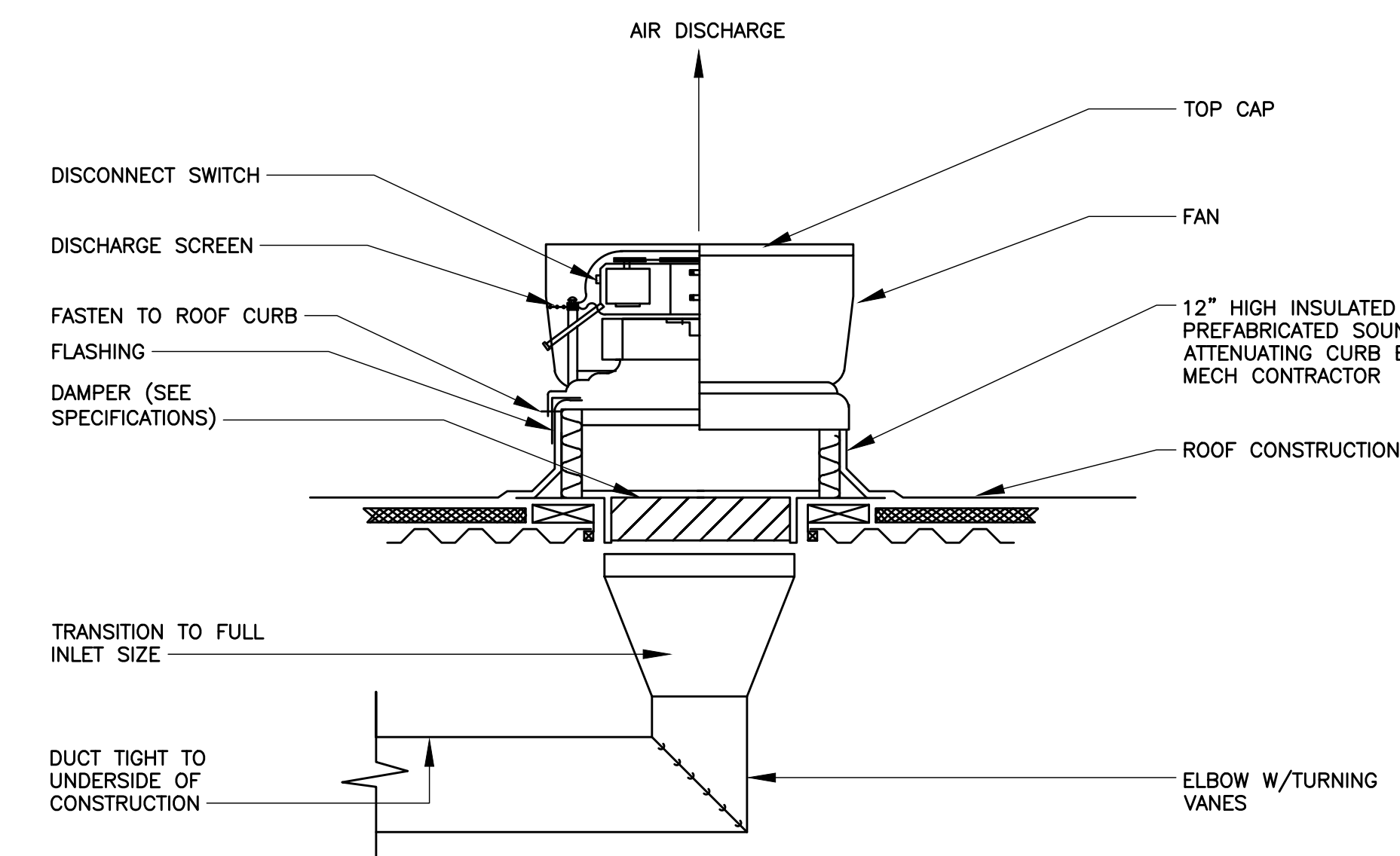


DUCTWORK SUPPORT AT ROOF DETAIL
N.T.S.

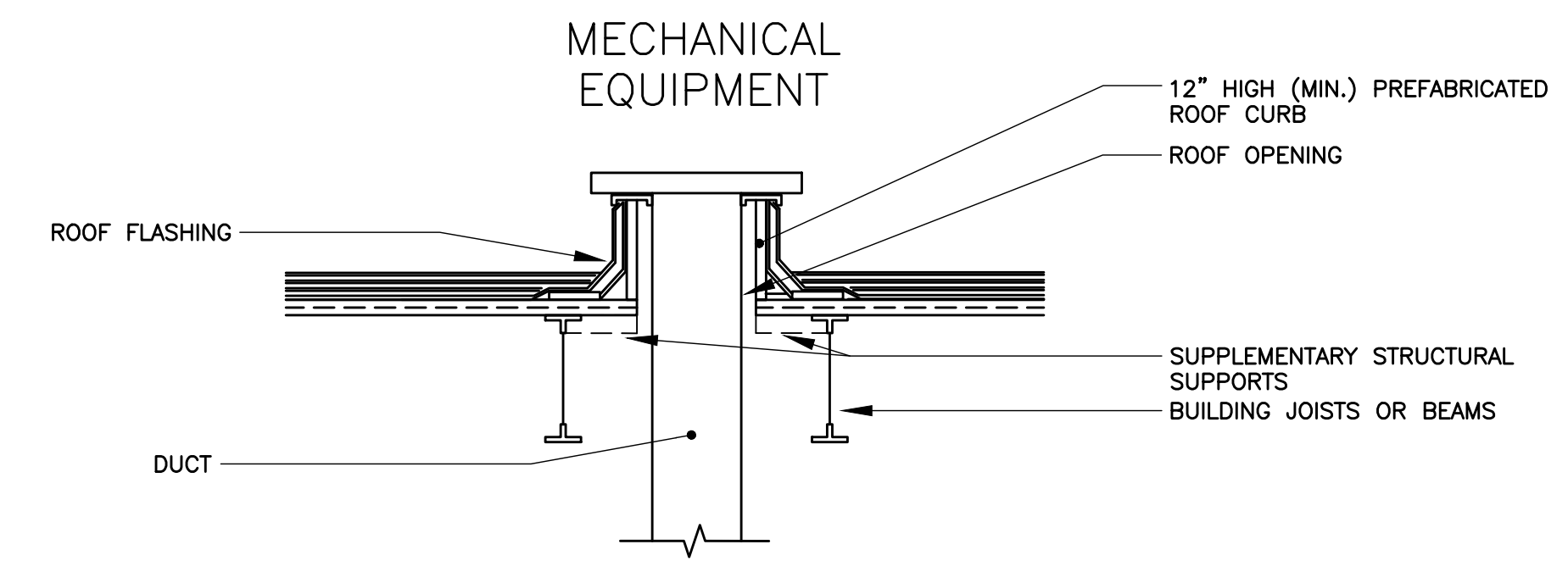
- ALL WORK ASSOCIATED WITH ROOFTOP MECHANICAL UNITS, DUCTWORK COMPONENTS, ETC. IS BY MECHANICAL CONTRACTOR, INCLUDING:
- LAYOUT AND HOLE CUT
 - SUPPORT STEEL
 - CURBS, CURB ADAPTORS, RAILS, PITCH POCKETS, PIPE PENETRATIONS, ETC.
 - ROOF FLASHING AND PATCHING (BY ROOFING SUBCONTRACTOR WHO IS AUTHORIZED BY MANUFACTURER TO MAINTAIN WARRANTY).



FLOOR-MOUNTED UNIT VENTILATOR OR FAN COIL UNIT INSTALLATION DETAIL NEW INTAKE WALL OPENING PROVIDED
N.T.S.



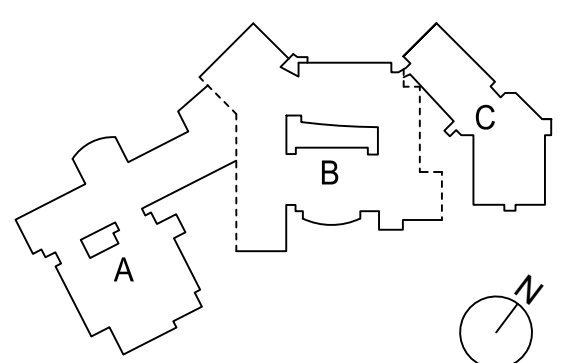
UPBLAST ROOF EXHAUST FAN DETAIL
N.T.S.



ROOF CURB INSTALLATION DETAIL
N.T.S.

ADDENDUM 2	01/09/2024
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KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
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MECHANICAL DETAILS

ELECTRICAL SYMBOL LIST (NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT) - Table with columns for SYMBOL and DESCRIPTION.

ADD ALTERNATE No.1 (MIDDLE SCHOOL) - Table with 9 numbered items detailing electrical work alternates for middle school.

ADD ALTERNATE No.2 (HIGH SCHOOL) - Table with 9 numbered items detailing electrical work alternates for high school.

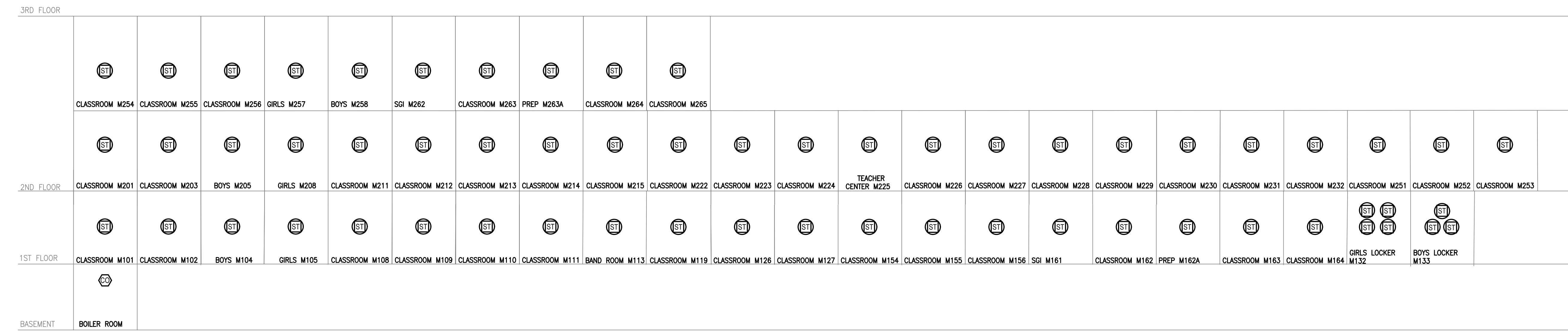
NEW YORK STATE CODES & STANDARDS - Table listing applicable codes like 2020 BUILDING CODE OF NEW YORK STATE and 2016 NFPA 13.

ELECTRICAL DRAWING LIST - Table listing sheet numbers and titles for various electrical drawings across different areas and floors.

ADD ALTERNATE No.3 (HIGH SCHOOL) - Table with 5 numbered items detailing electrical work alternates for high school.

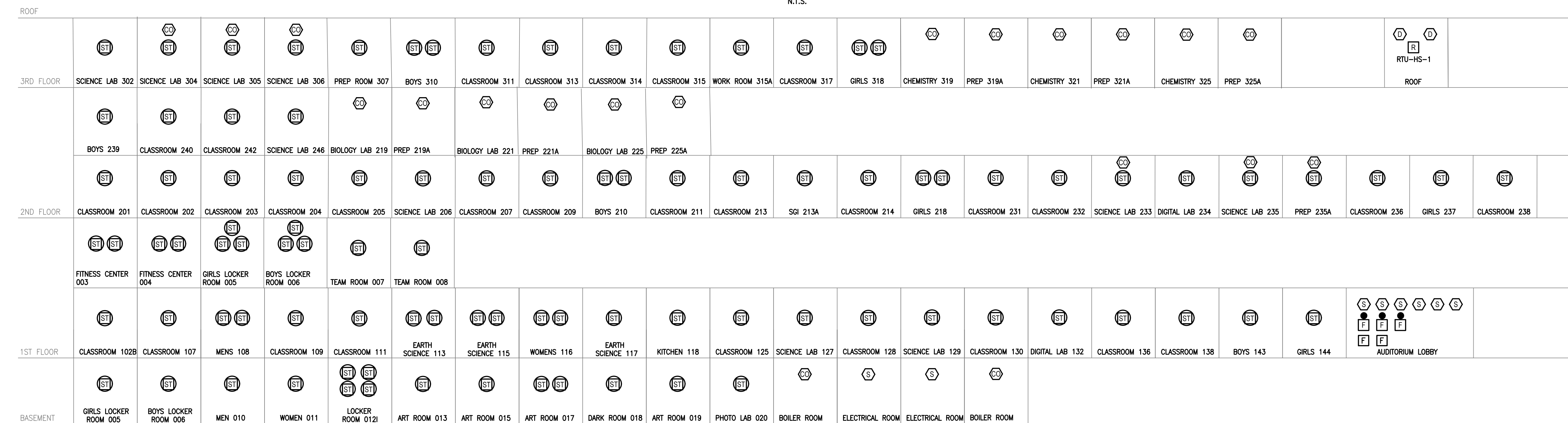
CUTTING AND PATCHING GENERAL NOTES - Table with 1 item detailing requirements for cutting and patching existing construction.

LIGHTING CONTROL SYMBOL LIST (NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT) - Table with columns for SYMBOL and DESCRIPTION.



PARTIAL FIRE ALARM RISER (MIDDLE SCHOOL) N.T.S.

FIRE ALARM SYMBOL LIST (NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT) - Table with columns for SYMBOL and DESCRIPTION.



PARTIAL FIRE ALARM RISER (HIGH SCHOOL) N.T.S.

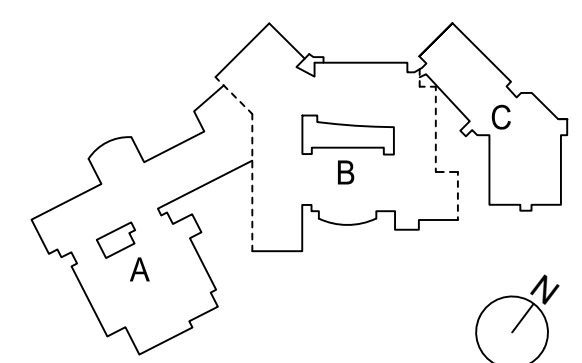
FIRE ALARM GENERAL NOTES:

- 1. PROVIDE ALL EQUIPMENT, PROGRAMMING & WIRING REQUIRED FOR A COMPLETE CODE COMPLIANT SYSTEM.
2. PROVIDE ALL FILING, PERMIT & FIRE DEPARTMENT INSPECTION FEES.
3. ALL NOTIFICATION AND SIGNAL LINE CIRCUITS SHALL BE CLASS B WIRING WITHOUT T-TAPPING OF CIRCUITS.
4. COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE EXACT SEQUENCE OF OPERATIONS.
5. SMOKE DETECTORS SHALL BE A MINIMUM OF 3 FEET FROM ALL SUPPLY DIFFUSERS.
6. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT WHEN RUN EXPOSED IN MECHANICAL ROOMS. PROVIDE CONDUIT CONCEALED IN WALLS UP TO ACCESSIBLE CEILING WITH INSULATING BUSHING FOR ALL WALL MOUNTED FIRE ALARM DEVICES.

- 7. ALL FIRE ALARM EQUIPMENT SHALL BE APPROVED BY LOCAL AHJ PRIOR TO ORDERING.
8. FIRE ALARM RISER IS A DIAGRAMMATIC REPRESENTATION OF THE SYSTEM. REFER TO FLOOR PLANS FOR DEVICE QUANTITY AND LOCATIONS.
9. ALL FIRE ALARM CABLING SHALL BE PLENUM RATED AND MEET PATHWAY SURVIVABILITY LEVEL 2.
10. ALL FIRE ALARM ANNUNCIATING DEVICES SHALL BE "RED".
11. PROVIDE A CONTROL MODULE AND RELAY FOR ALL FIRE SMOKE DAMPERS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITIES. PROVIDE DUCT SMOKE DETECTORS TO ACTIVATE FIRE SMOKE DAMPERS AS REQUIRED.
12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS THAT INCLUDE MANUFACTURER'S CUT SHEETS

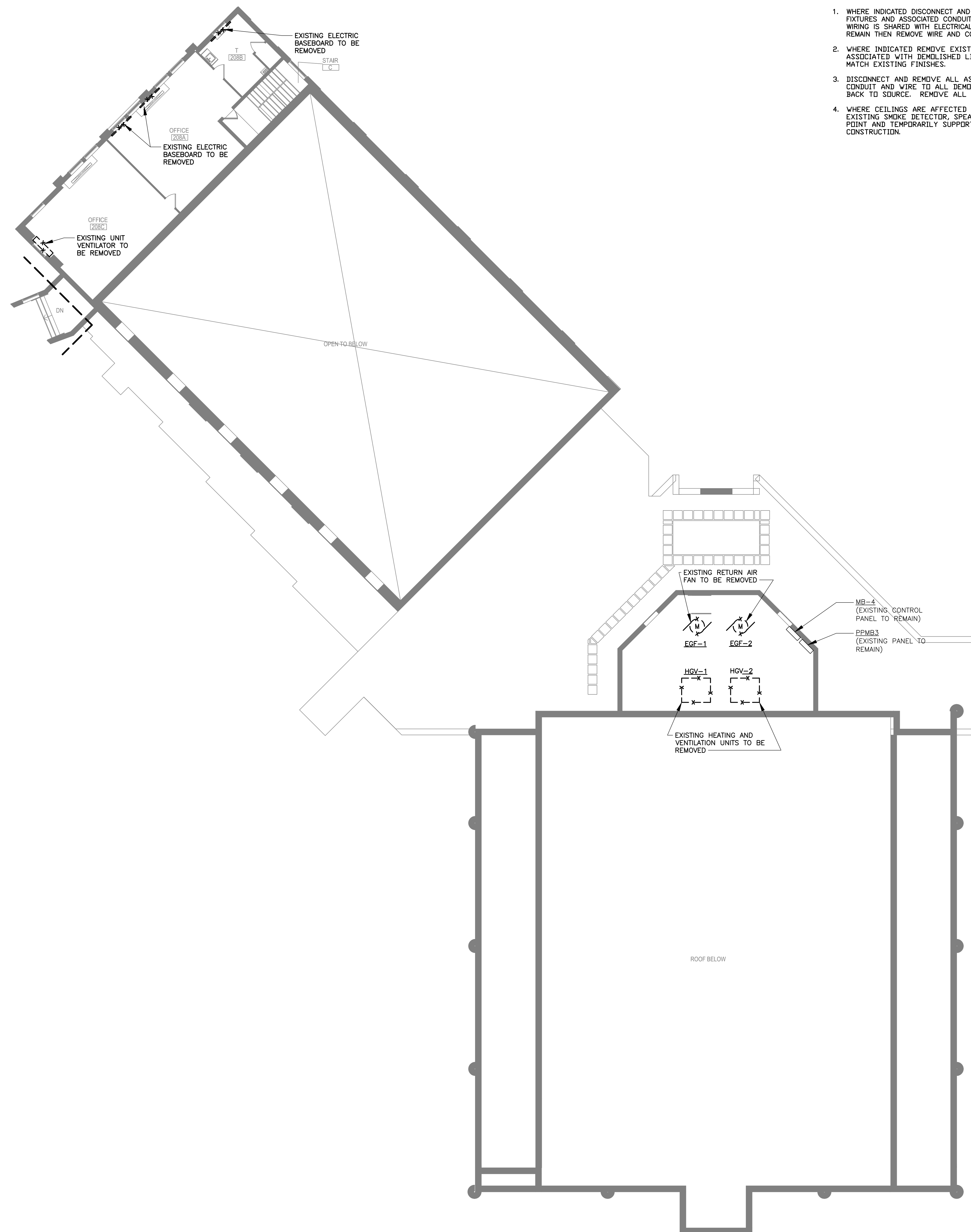
- WITH EQUIPMENT MODEL NUMBERS, BATTERY CALCULATIONS, CONDUCTOR TYPE AND SIZES, AND VOLTAGE DROP CALCULATIONS.
13. REMOVE EXISTING FIRE ALARM DEVICES IN SCOPE OF WORK AREA WHERE NEW DEVICES ARE INDICATED.
14. ALL NEW FIRE ALARM DEVICES SHALL BE TIED INTO EXISTING ADDRESSABLE FIRE ALARM LOOPS. PROVIDE ADDITIONAL ADDRESSABLE CARDS/AMPLIFIER/POWER SUPPLY/WIRING AND CONDUIT AS REQUIRED.

KEY PLAN



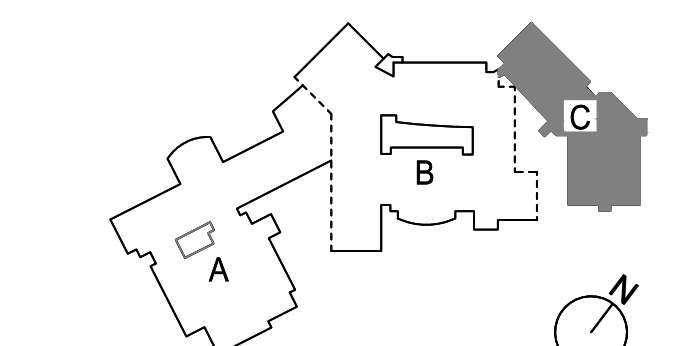
ELECTRICAL DEMOLITION PLAN NOTES:

1. WHERE INDICATED DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED CONDUIT BACK TO SOURCE. IF CIRCUIT WIRING IS SHARED WITH ELECTRICAL EQUIPMENT THAT IS EXISTING TO REMAIN THEN REMOVE WIRE AND CONDUIT BACK TO POINT OF SPLICE.
2. WHERE INDICATED REMOVE EXISTING LIGHTING CONTROLS ASSOCIATED WITH DEMOLISHED LIGHTING AND PATCH WALLS TO MATCH EXISTING FINISHES.
3. DISCONNECT AND REMOVE ALL ASSOCIATED SAFETY SWITCHES, CONDUIT AND WIRE TO ALL DEMOLISHED MECHANICAL EQUIPMENT BACK TO SOURCE. REMOVE ALL CONTROL WIRING AS REQUIRED.
4. WHERE CEILINGS ARE AFFECTED BY SCOPE OF WORK REMOVE EXISTING SMOKE DETECTOR, SPEAKER, AND/OR WIRELESS ACCESS POINT AND TEMPORARILY SUPPORT, MAINTAIN, AND PROTECT DURING CONSTRUCTION.



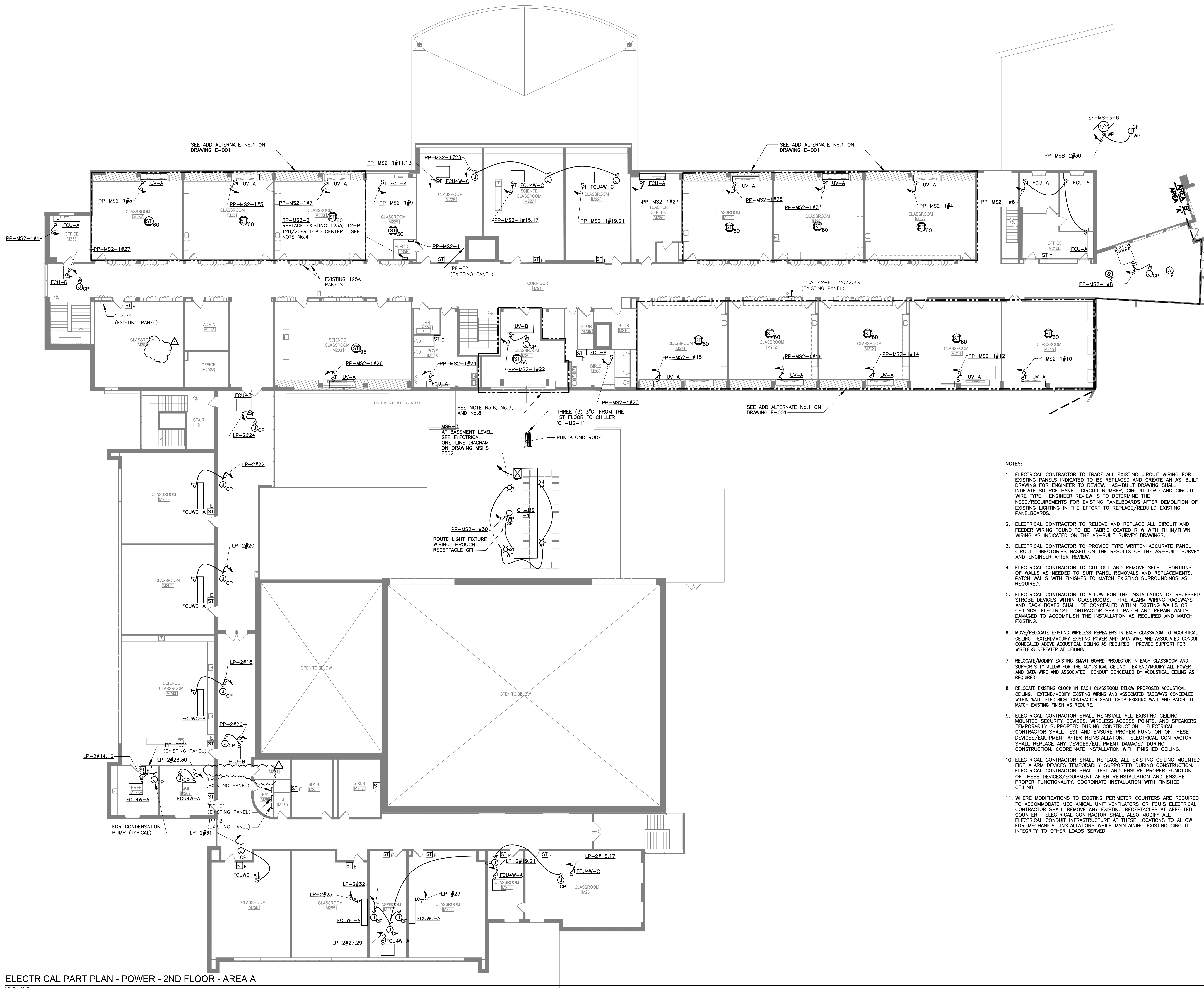
ADDENDUM #2	DATE
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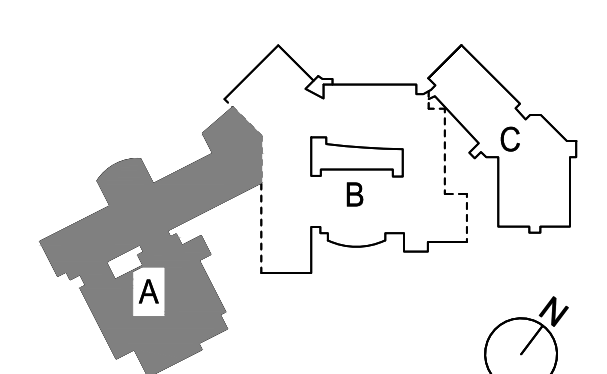
**ELECTRICAL PART
PLAN - DEMOLITION -
2ND FLOOR - AREA C**



NOTES:

1. ELECTRICAL CONTRACTOR TO TRACE ALL EXISTING CIRCUIT WIRING FOR EXISTING PANELS INDICATED TO BE REPLACED AND CREATE AN AS-BUILT DRAWING FOR ENGINEER TO REVIEW. AS-BUILT DRAWING SHALL INDICATE SOURCE PANEL, CIRCUIT NUMBER, CIRCUIT LOAD AND CIRCUIT WIRE TYPE. ENGINEER REVIEW IS TO DETERMINE THE NEED/REQUIREMENTS FOR EXISTING PANELBOARDS AFTER DEMOLITION OF EXISTING LIGHTING IN THE EFFORT TO REPLACE/REBUILD EXISTING PANELBOARDS.
2. ELECTRICAL CONTRACTOR TO REMOVE AND REPLACE ALL CIRCUIT AND FEEDER WIRING FOUND TO BE FABRIC COATED RHW WITH THHN/THWN WIRING AS INDICATED ON THE AS-BUILT SURVEY DRAWINGS.
3. ELECTRICAL CONTRACTOR TO PROVIDE TYPE WRITTEN ACCURATE PANEL CIRCUIT DIRECTORIES BASED ON THE RESULTS OF THE AS-BUILT SURVEY AND ENGINEER AFTER REVIEW.
4. ELECTRICAL CONTRACTOR TO CUT OUT AND REMOVE SELECT PORTIONS OF WALLS AS NEEDED TO SUIT PANEL REMOVALS AND REPLACEMENTS. PATCH WALLS WITH FINISHES TO MATCH EXISTING SURROUNDINGS AS REQUIRED.
5. ELECTRICAL CONTRACTOR TO ALLOW FOR THE INSTALLATION OF RECESSED STROBE DEVICES WITHIN CLASSROOMS. FIRE ALARM WIRING RACEWAYS AND BACK BOXES SHALL BE CONCEALED WITHIN EXISTING WALLS OR CEILINGS. ELECTRICAL CONTRACTOR SHALL PATCH AND REPAIR WALLS DAMAGED TO ACCOMPLISH THE INSTALLATION AS REQUIRED AND MATCH EXISTING.
6. MOVE/RELOCATE EXISTING WIRELESS REPEATERS IN EACH CLASSROOM TO ACOUSTICAL CEILING. EXTEND/MODIFY EXISTING POWER AND DATA WIRE AND ASSOCIATED CONCEALED ABOVE ACOUSTICAL CEILING AS REQUIRED. PROVIDE SUPPORT FOR WIRELESS REPEATER AT CEILING.
7. RELOCATE/MODIFY EXISTING SMART BOARD PROJECTOR IN EACH CLASSROOM AND SUPPORTS TO ALLOW FOR THE ACOUSTICAL CEILING. EXTEND/MODIFY ALL POWER AND DATA WIRE AND ASSOCIATED CONCEALED ABOVE ACOUSTICAL CEILING AS REQUIRED.
8. RELOCATE EXISTING CLOCK IN EACH CLASSROOM BELOW PROPOSED ACOUSTICAL CEILING. EXTEND/MODIFY EXISTING WIRING AND ASSOCIATED RACEWAYS CONCEALED WITHIN WALL. ELECTRICAL CONTRACTOR SHALL CHOP EXISTING WALL AND PATCH TO MATCH EXISTING FINISH AS REQUIRED.
9. ELECTRICAL CONTRACTOR SHALL REINSTALL ALL EXISTING CEILING MOUNTED SECURITY DEVICES, WIRELESS ACCESS POINTS, AND SPEAKERS TEMPORARILY SUPPORTED DURING CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL TEST AND ENSURE PROPER FUNCTION OF THESE DEVICES/EQUIPMENT AFTER REINSTALLATION. ELECTRICAL CONTRACTOR SHALL REPLACE ANY DEVICES/EQUIPMENT DAMAGED DURING CONSTRUCTION. COORDINATE INSTALLATION WITH FINISHED CEILING.
10. ELECTRICAL CONTRACTOR SHALL REPLACE ALL EXISTING CEILING MOUNTED FIRE ALARM DEVICES TEMPORARILY SUPPORTED DURING CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL TEST AND ENSURE PROPER FUNCTION OF THESE DEVICES/EQUIPMENT AFTER REINSTALLATION AND ENSURE PROPER FUNCTIONALITY. COORDINATE INSTALLATION WITH FINISHED CEILING.
11. WHERE MODIFICATIONS TO EXISTING PERIMETER COUNTERS ARE REQUIRED TO ACCOMMODATE MECHANICAL UNIT VENTILATORS OR FCU'S ELECTRICAL CONTRACTOR SHALL REMOVE ANY EXISTING RECEPTACLES AT AFFECTED COUNTER. ELECTRICAL CONTRACTOR SHALL ALSO MODIFY ALL ELECTRICAL CONDUIT INFRASTRUCTURE AT THESE LOCATIONS TO ALLOW FOR MECHANICAL INSTALLATIONS WHILE MAINTAINING EXISTING CIRCUIT INTEGRITY TO OTHER LOADS SERVED.

KEY PLAN



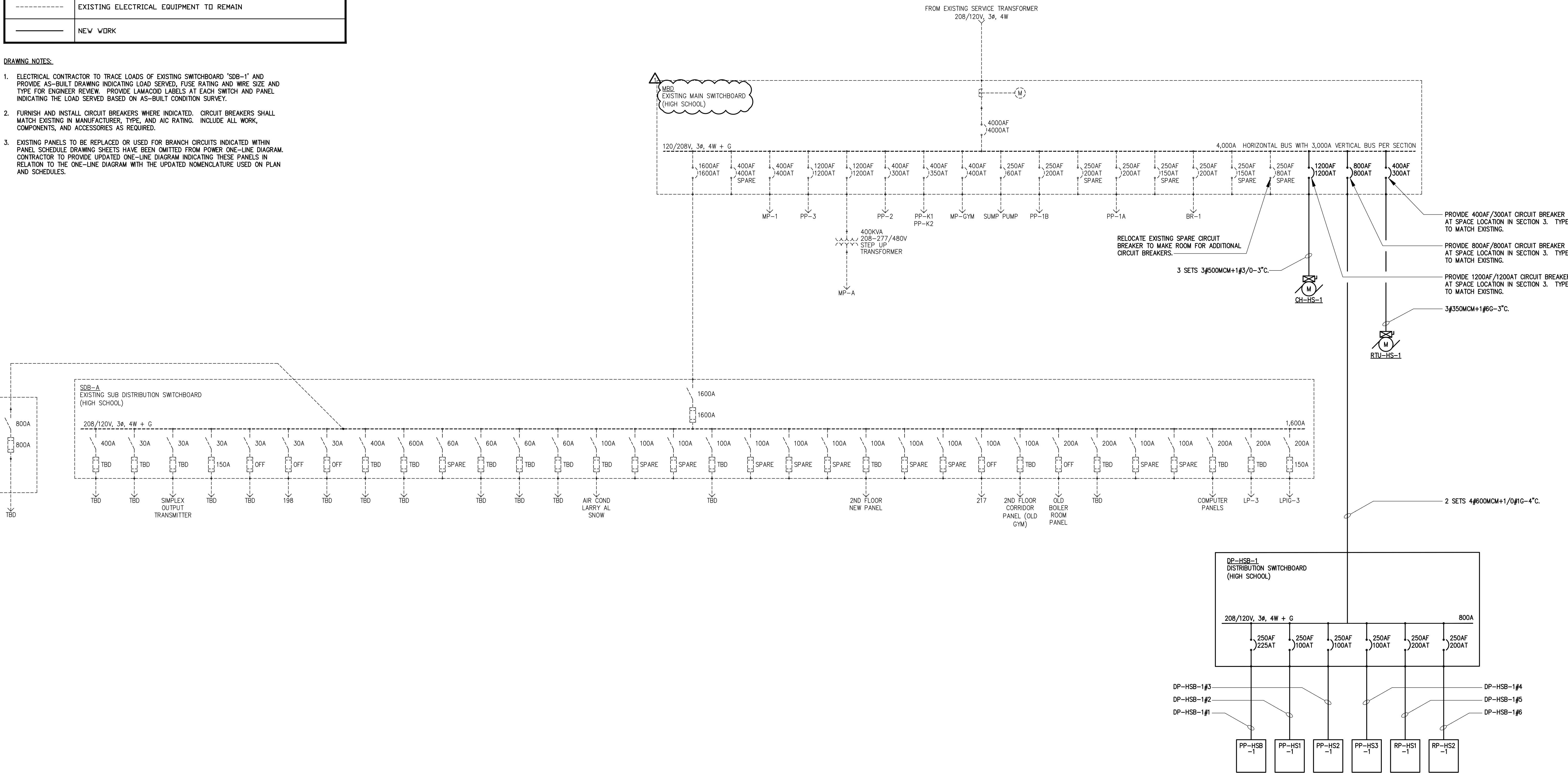
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**ELECTRICAL PART
PLAN - POWER - 2ND
FLOOR - AREA A**

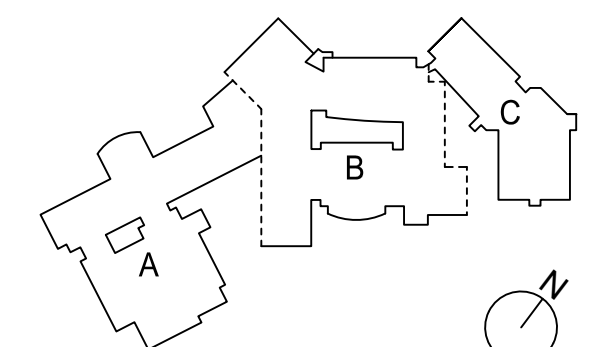
LEGEND	
-----	EXISTING ELECTRICAL EQUIPMENT TO REMAIN
_____	NEW WORK

- DRAWING NOTES:**
- ELECTRICAL CONTRACTOR TO TRACE LOADS OF EXISTING SWITCHBOARD "SDB-1" AND PROVIDE AS-BUILT DRAWING INDICATING LOAD SERVED, FUSE RATING AND WIRE SIZE AND TYPE FOR ENGINEER REVIEW. PROVIDE LAMACOD LABELS AT EACH SWITCH AND PANEL INDICATING THE LOAD SERVED BASED ON AS-BUILT CONDITION SURVEY.
 - FURNISH AND INSTALL CIRCUIT BREAKERS WHERE INDICATED. CIRCUIT BREAKERS SHALL MATCH EXISTING IN MANUFACTURER, TYPE AND AIC RATING. INCLUDE ALL WORK, COMPONENTS, AND ACCESSORIES AS REQUIRED.
 - EXISTING PANELS TO BE REPLACED OR USED FOR BRANCH CIRCUITS INDICATED WITHIN PANEL SCHEDULE DRAWING SHEETS HAVE BEEN OMITTED FROM POWER ONE-LINE DIAGRAM. CONTRACTOR TO PROVIDE UPDATED ONE-LINE DIAGRAM INDICATING THESE PANELS IN RELATION TO THE ONE-LINE DIAGRAM WITH THE UPDATED NOMENCLATURE USED ON PLAN AND SCHEDULES.



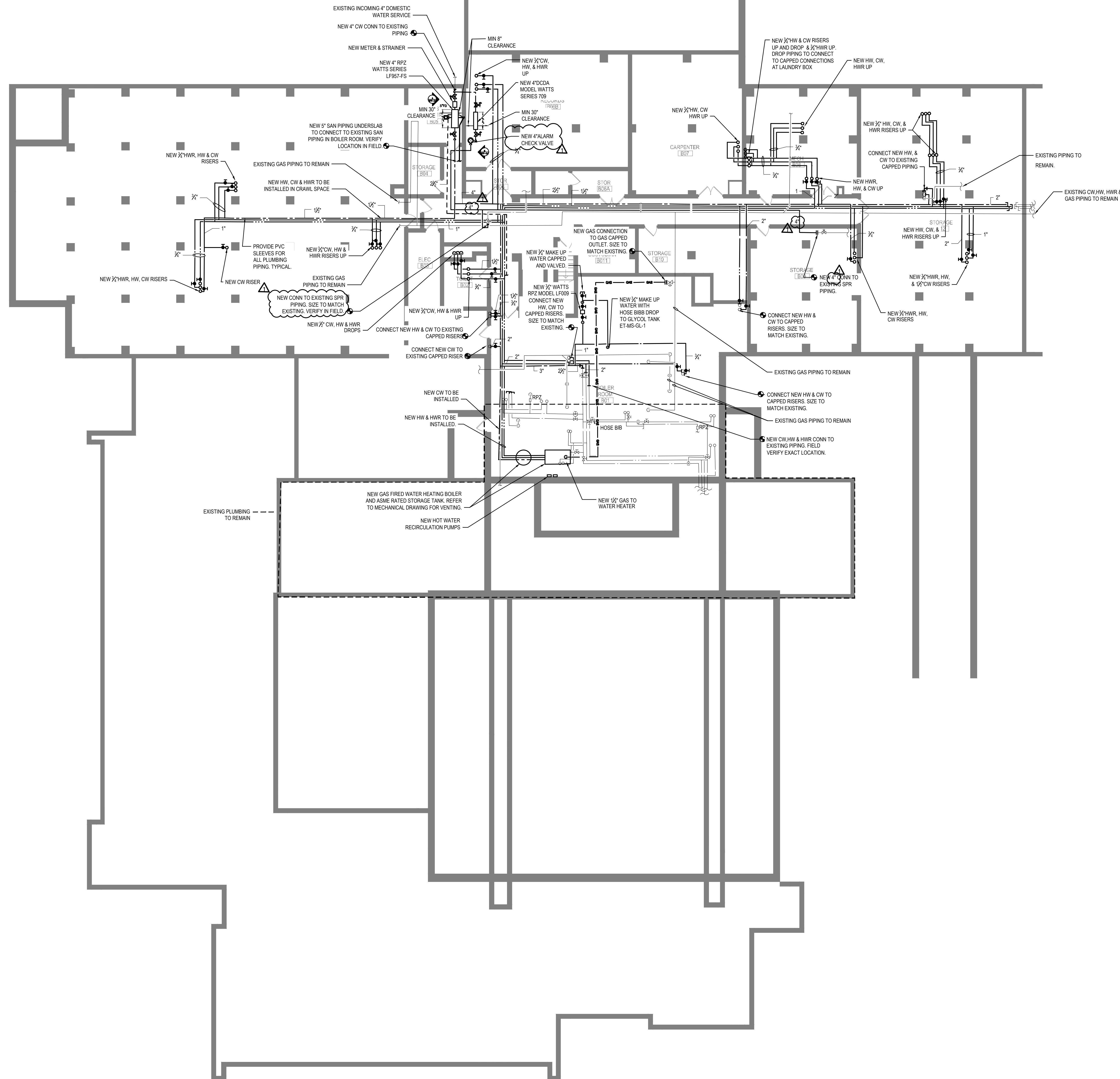
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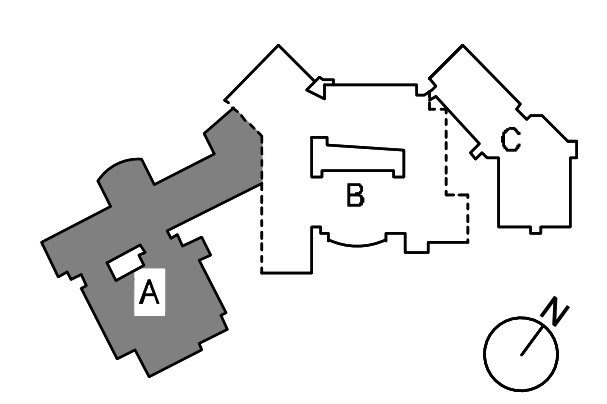
**ELECTRICAL
ONE-LINE DIAGRAM
(HIGH SCHOOL)**



PLUMBING PART PLAN - BASEMENT - AREA A
3/32" = 1'-0"

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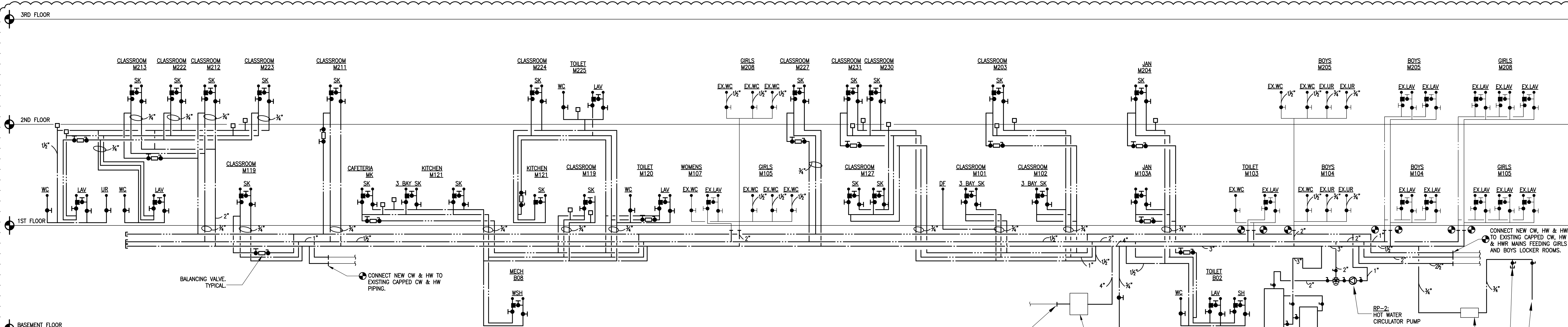
KEY PLAN



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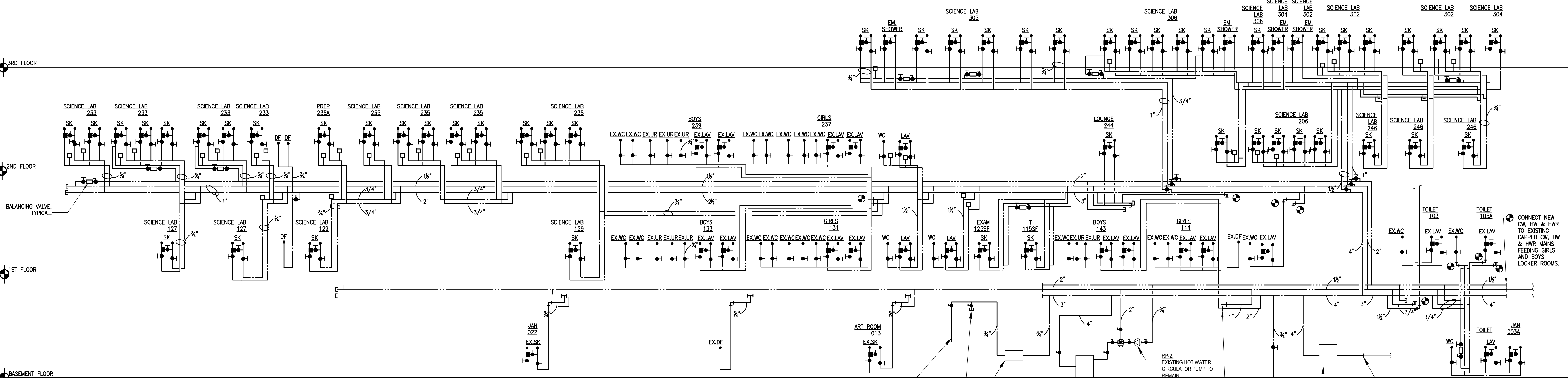
PLUMBING PART
PLAN - BASEMENT -
AREA A

- GENERAL PLUMBING NOTES:**
- PLUMBING CONTRACTOR WILL REINSULATE ANY EXISTING DOMESTIC WATER ELBOWS AND PIPE RINS WHICH WERE REMOVED BY THE ABATEMENT. SEE DRAWINGS FOR LOCATIONS AND SCOPE. ALL COSTS TO BE INCLUDED IN THE PLUMBING CONTRACTORS BASE BID.
 - PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH THE PLUMBING WORK. THIS INCLUDES:
 - CUTTING TO GAIN ACCESS TO ROUGHING UNITS
 - PATCHING TO MATCH WITH LIKE MATERIALS/COLORS ANY SURFACES IMPACTED
 - PVC JACKET SHALL BE INSTALLED ON ANY EXPOSED PLUMBING PIPING
 - EXISTING CEILING REMOVAL/REPLACE WHERE NEEDED FOR PLUMBING WORK, EXCEPT IN AREAS WHERE CEILING REMOVAL/REPLACEMENT IS INDICATED AS GENERAL CONTRACTOR BASE SCOPE ON THE ARCHITECTURAL REFLECTIVE CEILING PLANS.
 - REMOVAL AND REINSTALLATION/REPLACEMENT OF EXISTING CASEWORK IN CLASSROOMS AND LABS.
 - IN SOME LOCATION THERE ARE PLASTER CEILING WHICH REMAIN ABOVE THE ACOUSTIC TILE GRID CEILING. PLUMBING CONTRACTOR WILL CUT ACCESS HOLES WHERE NECESSARY TO ENABLE INSTALL OF HANGERS AND PIPING TO STRUCTURE ABOVE.
 - CONTRACTOR SHALL REPAIR AND REPAINT ALL WALLS IMPACTED BY PLUMBING WORK. CASEWORK SHALL BE REMOVED AND STORE IN A SAFE LOCATION TO PREVENT DAMAGE DURING CONSTRUCTION. THEN REINSTALL UPON COMPLETION OF CONSTRUCTION.

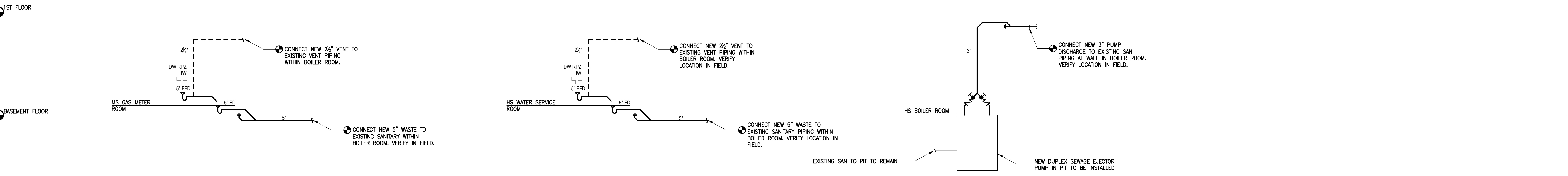


MS-WATER RISER DIAGRAM
SCALE: NTS

GENERAL NOTES:
1. ALL VALVES TO BE ACCESSIBLE AND ALL CONNECTION POINTS TO BE VERIFIED IN FIELD.
2. PLUMBING CONTRACTOR SHALL COORDINATE NEW PIPING LAYOUT WITHIN EXISTING PLUMBING CHASES. COORDINATE NEW PIPING LOCATIONS WITH EXISTING PIPING SUPPORTS, ACCESSORIES.



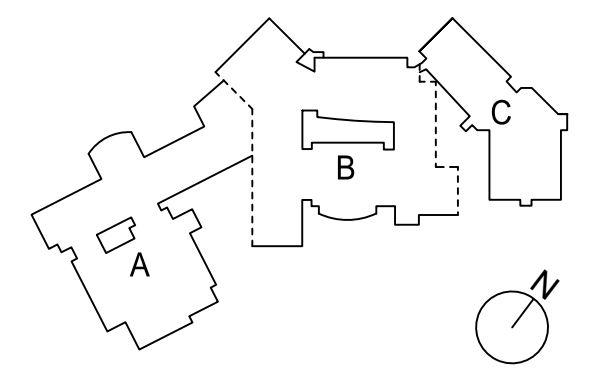
HS-WATER RISER DIAGRAM
SCALE: NTS



MS-HS-SANITARY RISER DIAGRAM
SCALE: NTS

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PLUMBING RISER
DIAGRAM

MSHS P501

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WATER HEATER SCHEDULE												
DESIGNATION	QTY	MANUFACTURER	MODEL NUMBER	WATER STORAGE TEMPERATURE (°F)	WATER STORAGE CAPACITY (GAL)	RECOVERY RATE	TEMPERATURE RISE (°F)	THERMAL EFFICIENCY (%)	GAS DATA		LOCATION	COMMENTS
									BTU/HOUR INPUT			
HTR-1	1	LOCHINVAR	CFN402PM	-	-	-	100	85	399,000		MIDDLE SCHOOL BOILER ROOM	GAS FIRE WATER HEATER LAWLER THERMOSTATIC MIXER MODEL 802 TO BE INSTALLED
ST-1	1	AOSMITH	HDX130-250A	145	257	-	-	-	-	-	MIDDLE SCHOOL BOILER ROOM	ASME RATED STORAGE TANK

DRAIN SCHEDULE																														
DESIGNATION	MANUFACTURER	MODEL NUMBER	DRAIN BODY SPECIFICATION										STRAINER SPECIFICATION										APPLICABLE AREAS							
			BRONZE	CAST IRON	CAST IRON GALVANIZED	STAINLESS STEEL	CLAMPING DEVICE	SECONDARY CLAMP	SUMP RECEIVER	ACID RESISTANT COATING	TRAP PRIMER CONNECTION	BRONZE	CAST IRON	CAST IRON GALVANIZED	NICKEL BRONZE	STAINLESS STEEL	CHROME PLATED	POLISHED FINISH	SATIN FINISH	SECONDARY STRAINER	SEDIMENT BUCKET	LESS GRATE		HALF GRATE	FLUSH GRATE	TRACTOR GRATE	SQUARE TOP	FUNNEL TOP	DOVE	EXTENSION
4*FD	JAY R. SMITH	2010		•																									•	WATER SERVICE ROOMS

NOTES:
1. ALL FLOOR DRAINS IN FINISHED AREAS SHALL BE LOCATED AS PER THE ARCHITECTURAL DRAWINGS.
2. ALL FLOOR DRAINS IN MECHANICAL EQUIPMENT ROOMS, BOILER ROOMS, FAN ROOMS ETC., SHALL BE LOCATED IN COORDINATION WITH THE MECHANICAL CONTRACTOR.
3. THE CONTRACTOR SHALL VERIFY THE COMPATIBILITY OF THE DRAINS WITH THE APPROVED ROOFING AND/OR WATER PROOFING SYSTEMS PRIOR TO SUBMITTING SHOP DRAWINGS.
4. THE TOP OF ALL FLOOR DRAINS SHALL BE FLUSH WITH THE ADJACENT FINISHED FLOOR.
5. PROVIDE MECHANICAL SEAL TRAP GUARDS ON ALL FLOOR DRAINS UNLESS OTHERWISE NOTED.

PIPE, FITTING, AND JOINT MATERIAL SCHEDULE					
PIPING SYSTEM	PIPING LOCATION	PIPING SIZE	PIPING SPECIFICATION	FITTING SPECIFICATION	JOINT SPECIFICATION
SANITARY/WASTE/VENT/STORM	ABOVE GROUND	ALL	SERVICE WEIGHT HUBLESS CAST IRON	SERVICE WEIGHT HUBLESS CAST IRON	NEOPRENE RUBBER SEALING SLEEVE AND HEAVY DUTY STAINLESS STEEL CORRUGATED SHIELDS WITH A MINIMUM OF FOUR HEAVY DUTY BANDS
INDIRECT WASTE	ABOVE GROUND	ALL	TYPE DWV COPPER TUBING	WROUGHT COPPER WITH SOLDER ENDS	95.5 TIN / 4.0 COPPER / 0.5 SILVER SOLDER
COLD WATER/HOT WATER/HOT WATER CIRCULATION	DISTRIBUTION	ALL	TYPE L HARD DRAWN COPPER TUBING	WROUGHT COPPER WITH SOLDER ENDS	95.5 TIN / 4.0 COPPER / 0.5 SILVER SOLDER

PUMP SCHEDULE																
SERVICE	DESIGNATION	SIMPLEX SYSTEM	DUPLICATE SYSTEM	TRIPLEX SYSTEM	EMERGENCY POWER	CAPACITY (EACH PUMP)			ELECTRICAL DATA (EACH PUMP)					PUMP SYSTEM SPECIFICATION		REMARKS
						FLOW RATE	HEAD	HP	RPM	V	PH	HZ	MANUFACTURER	MODEL NUMBER		
HOT WATER CIRCULATOR PUMP	RP-1	•				2 GPM	17 FT	1/6	1725	115	1	60	BELL & GOSSETT	SERIES PR	INSTALL TWO IN MIDDLE SCHOOL BOILER ROOM	
SEWAGE EJECTOR PUMP	EJ-1	•				400 GPM	25 FT	7.4	1740	208	3	60	WIL0	6101T	EXISTING PIT SHALL BE INCREASE TO 4'x4'x5' WITH AIR TIGHT COVER.	

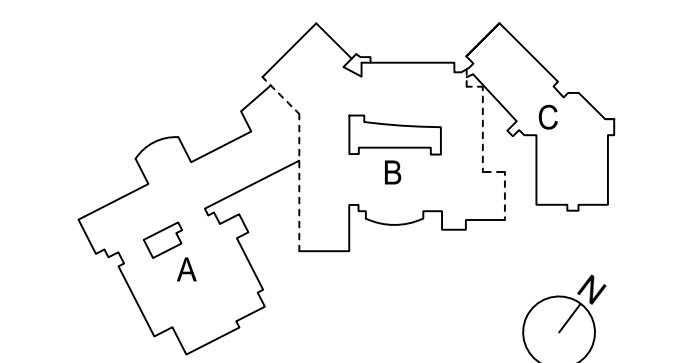
NOTES:
1. PLUMBING CONTRACTOR SHALL PERFORM CAMERA INVESTIGATION FOR EXISTING PIPING CONNECTING TO EJECTOR PUMP AND PIPING EXISTING THE BUILDING. REPORT SHALL BE SUBMITTED TO ENGINEER.

PLUMBING FIXTURE SCHEDULE										
FIXTURE SPECIFICATION			SERVICE CONNECTIONS							ADDITIONAL COMMENTS
COMPONENT	MANUFACTURER	MODEL NUMBER	S	W	IW	V	CW	HW	G	
SINK	WATTS	ARLS-14-ADA								
FAUCET	CHICAGO	LCF2-A-A11		1½"	-	1½"	½"	-	½"	
P-TRAP	MCGUIRE MANUFACTURING	PWB912								
SUPPLY	MCGUIRE MANUFACTURING	H170-LK								
URINAL	AMERICAN STANDARD	WASHBROOK FLOWISE	3"	-	-	1½"	¾"	-	-	

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS, MOUNTING HEIGHTS, ELEVATIONS AND DETAILS.
2. INSTALL PRE-FORMED INSULATION COVER FOR ALL EXPOSED SUPPLY AND DRAINAGE PIPING SERVING ADA COMPLIANT SINKS MANUFACTURED BY TRUEBRO, PLUMBEREX, HANDYSHIELD.
3. PLUMBING FIXTURE SHALL HAVE CHROME PLATED BRASS SUPPLIES, STOPS, ESCUTCHEON COVERS, P-TRAP, GRID DRAIN, POP-UP DRAINS W/ PUSH ROD, OFFSET DRAIN, CONTINUOUS DRAINS CONNECTION, (IN LOCATIONS WHERE PIPING IS TO BE COVERED W/ INSULATION, BRASS FINISHES ONLY SHOULD ONLY BE SUBSTITUTED.)
4. SCIENCE LAB SINK FAUCETS SHALL HAVE VACUUM BREAKER & CHECK VALVES ON CW & GAS SUPPLIES EITHER INTEGRAL TO FAUCET OR PROVIDE ON CW & GAS PIPES FEEDING THE FAUCET.

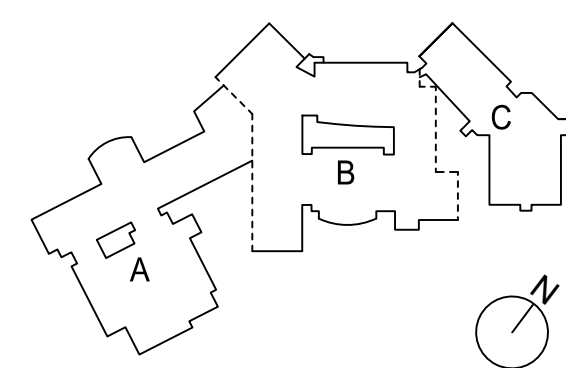
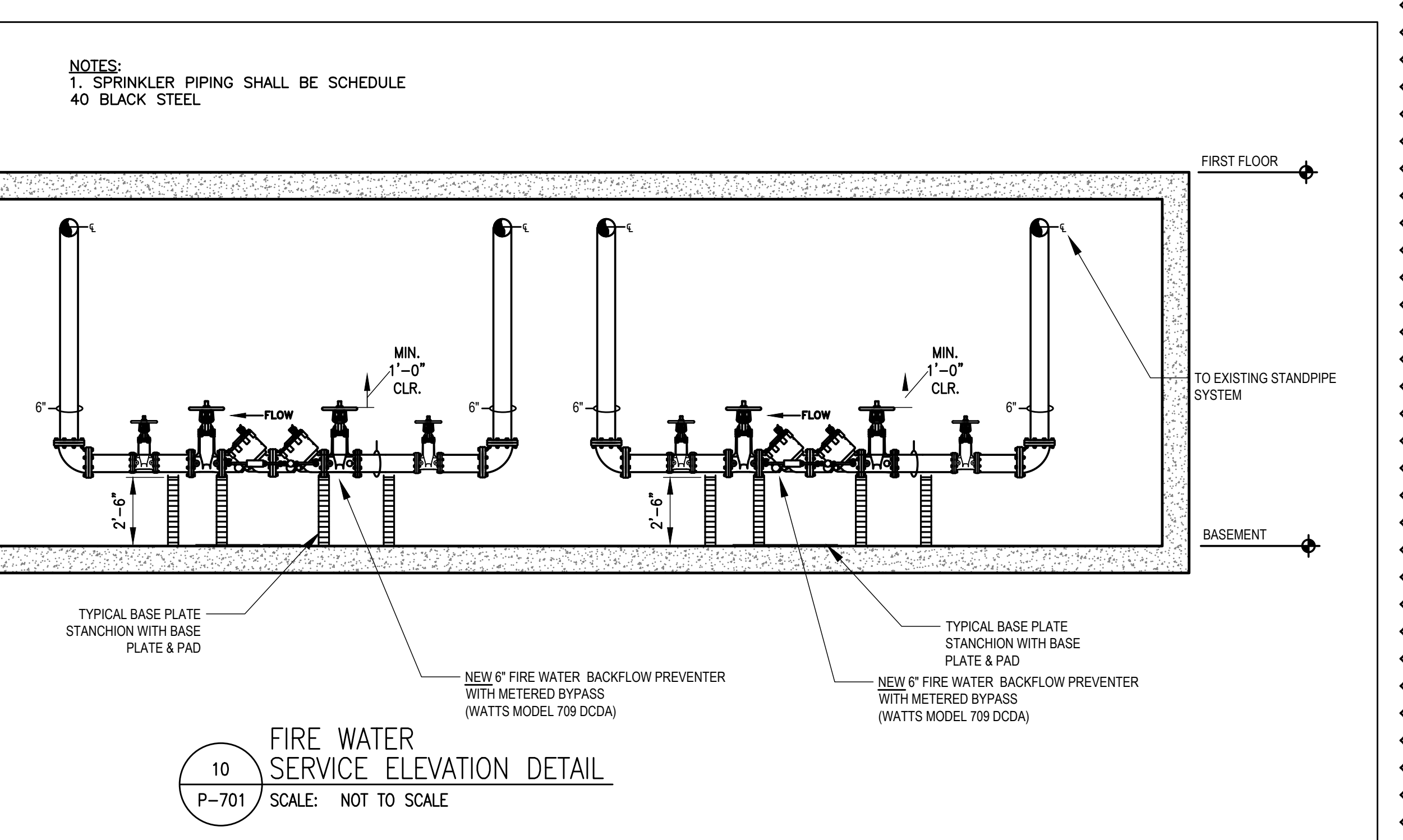
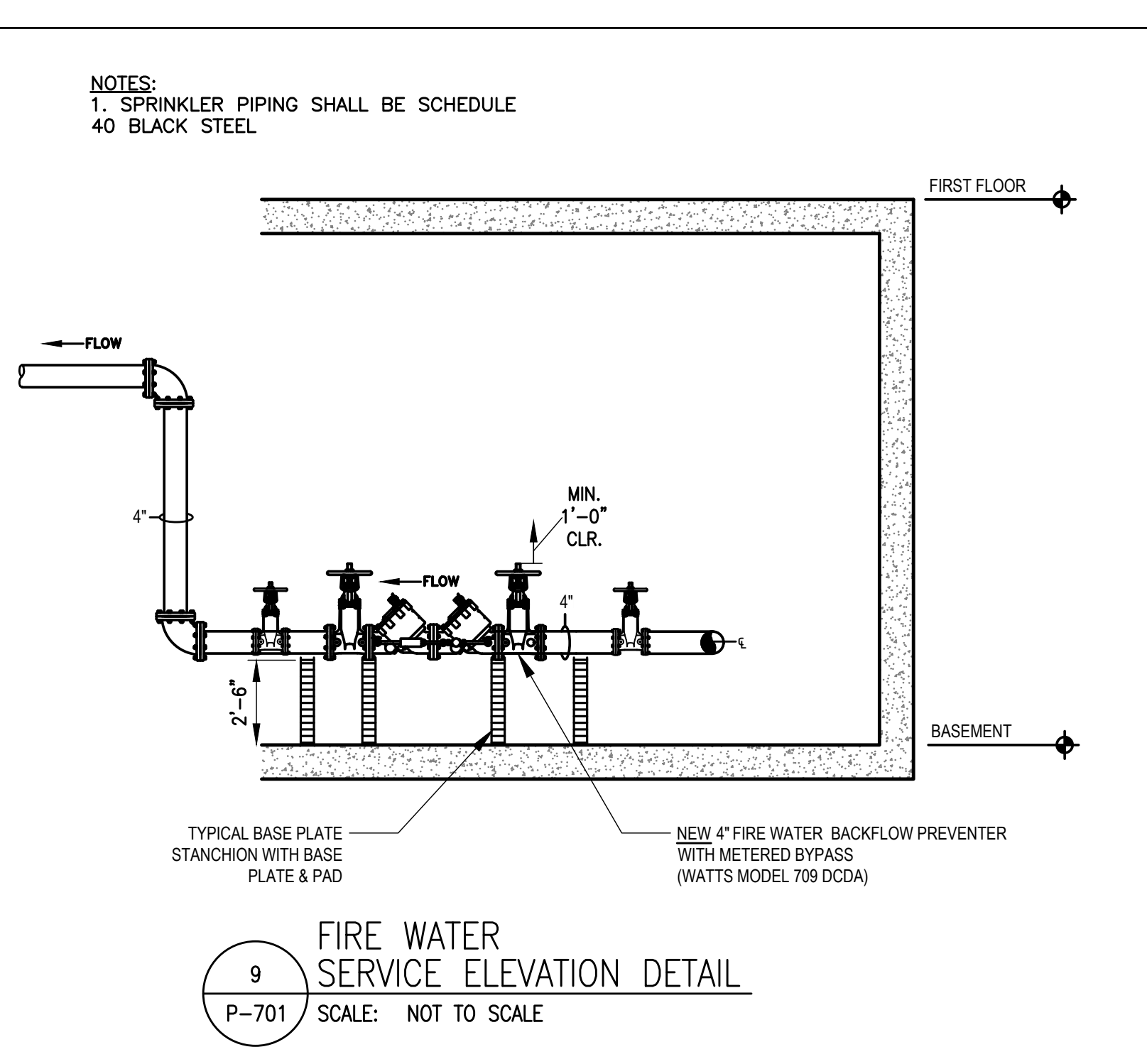
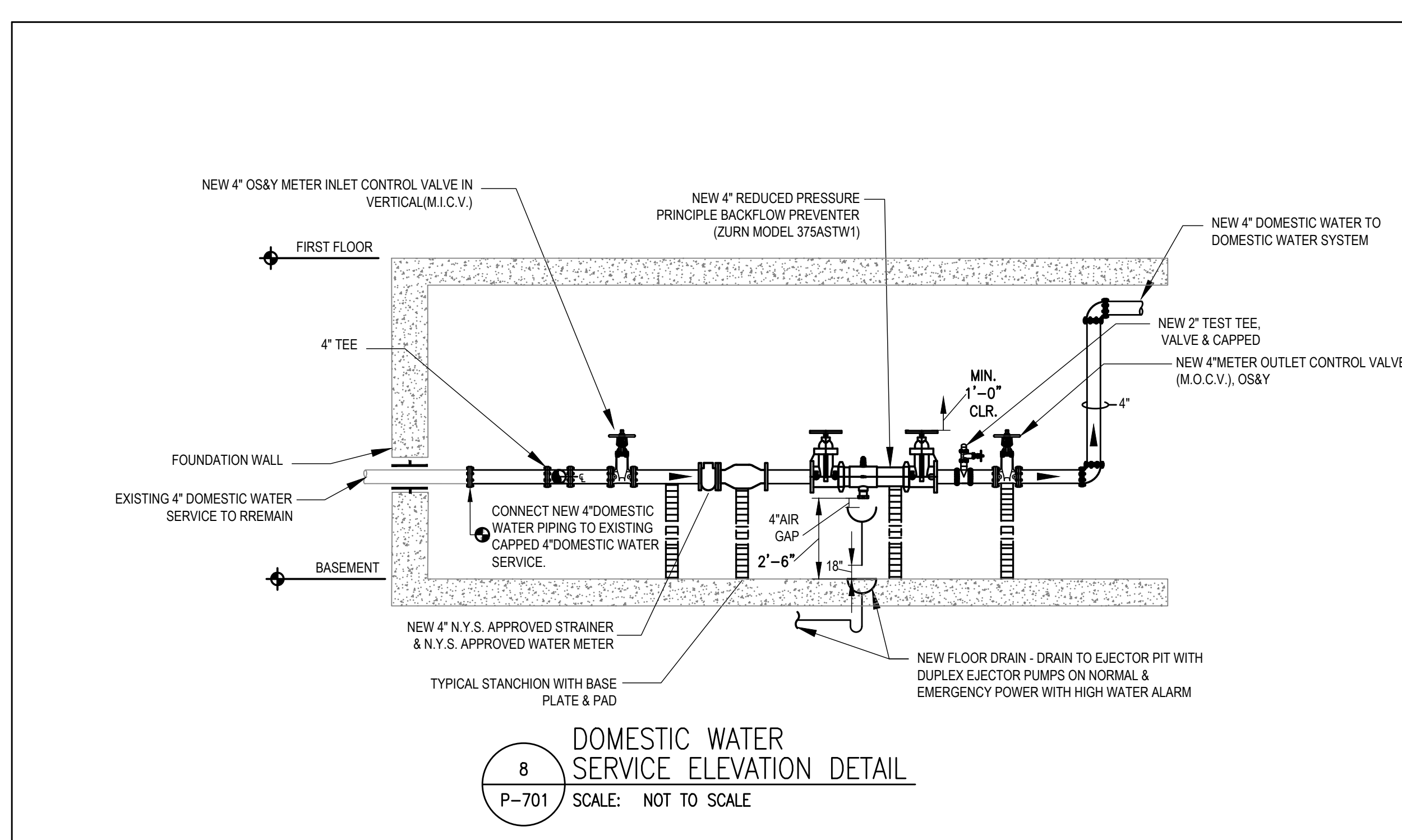
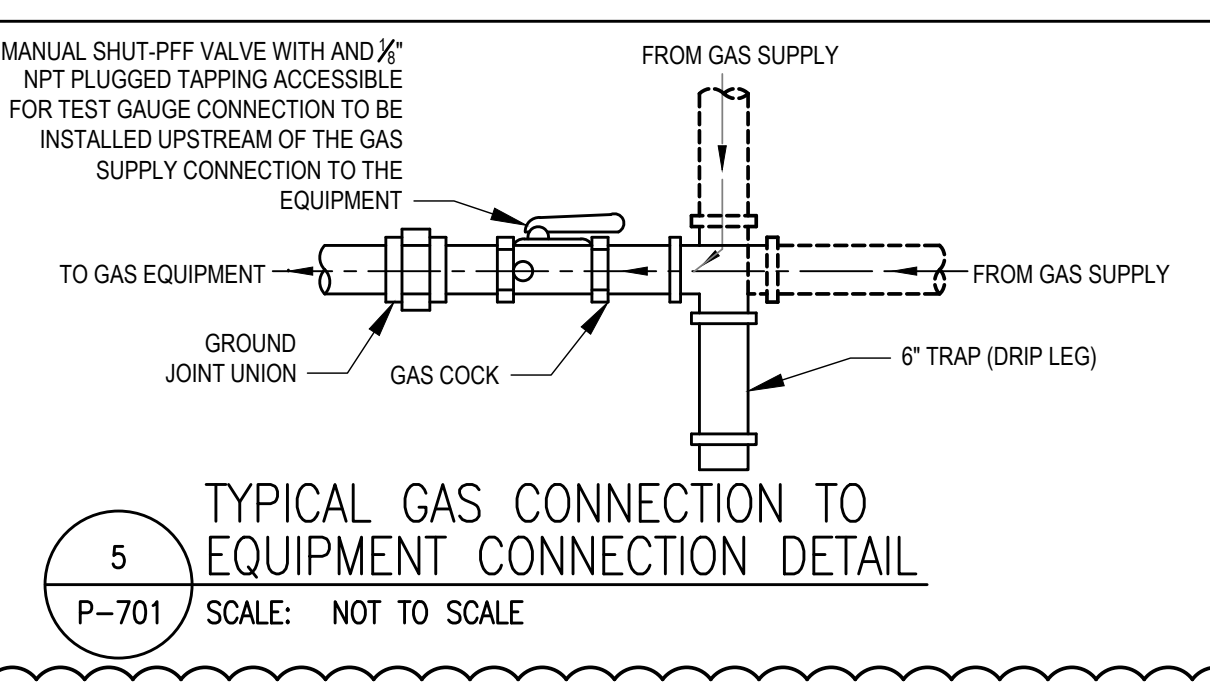
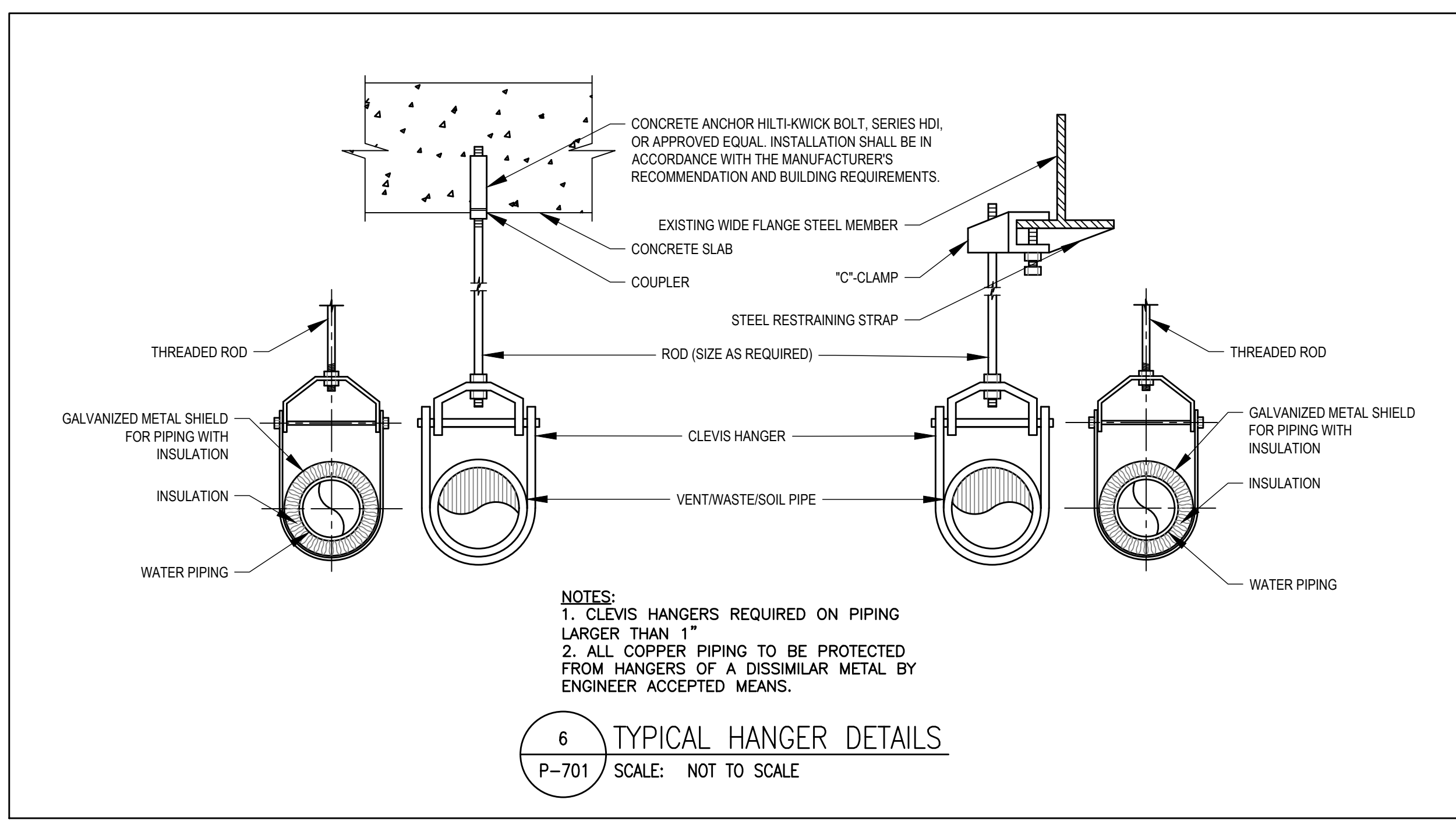
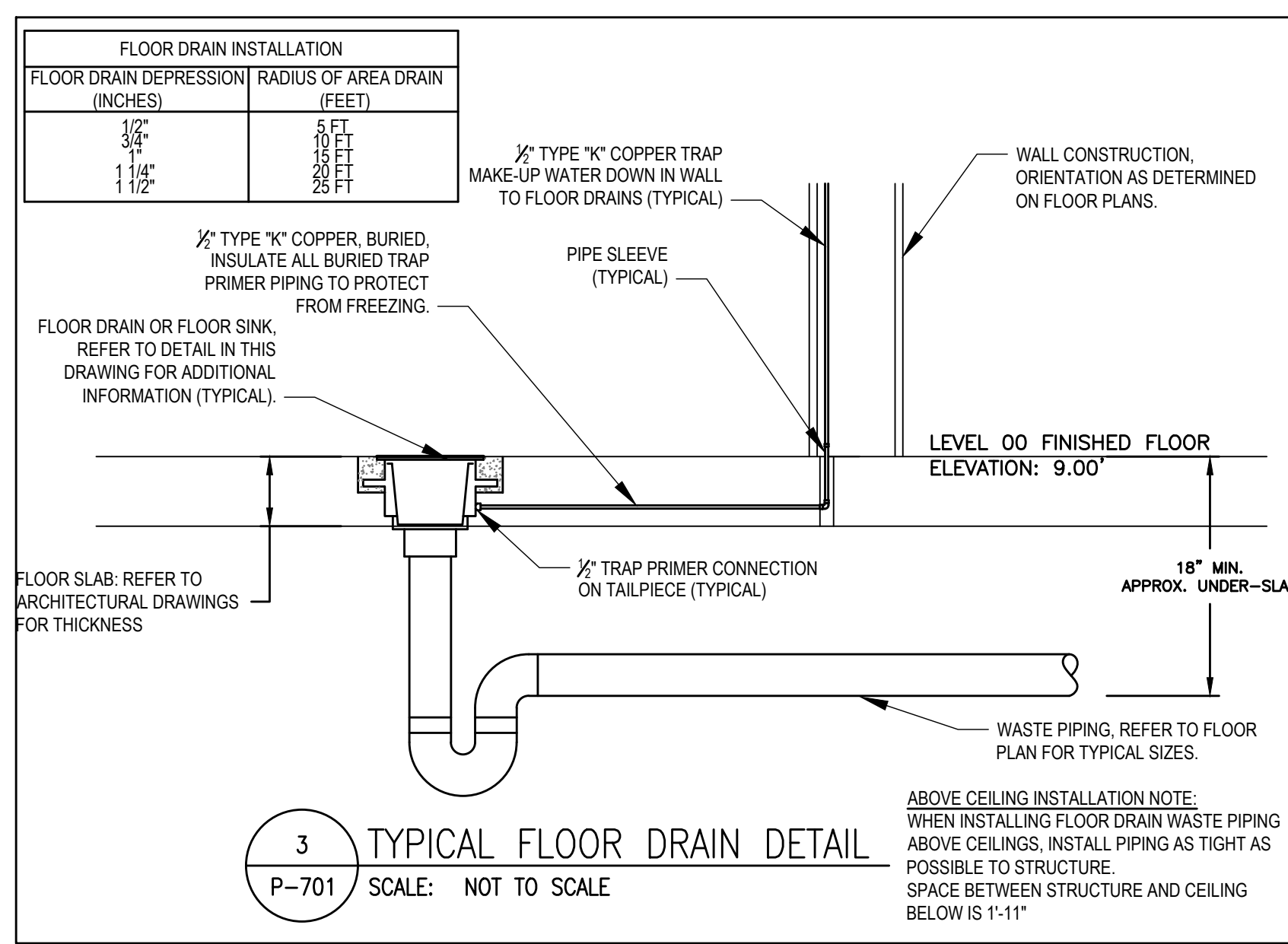
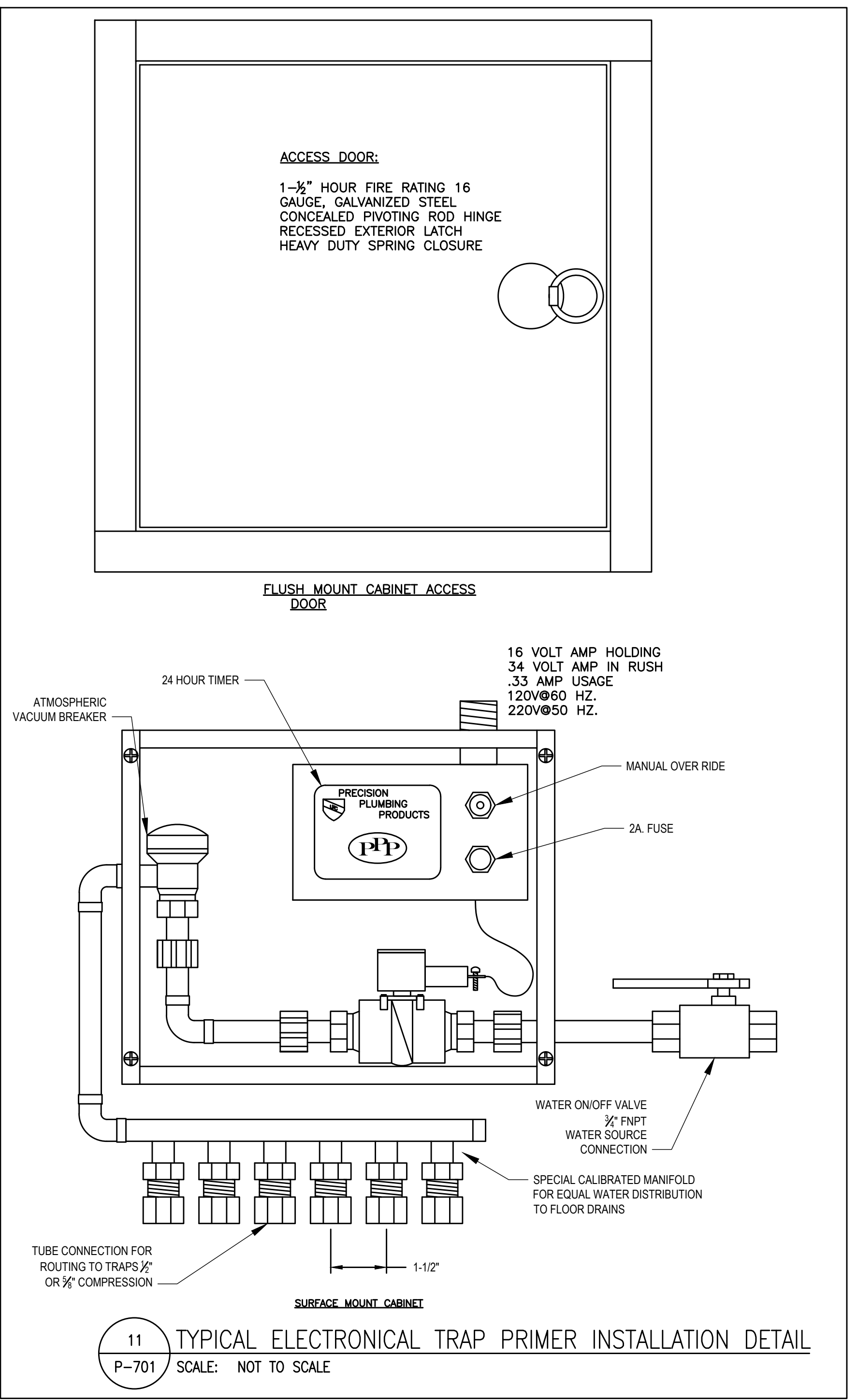
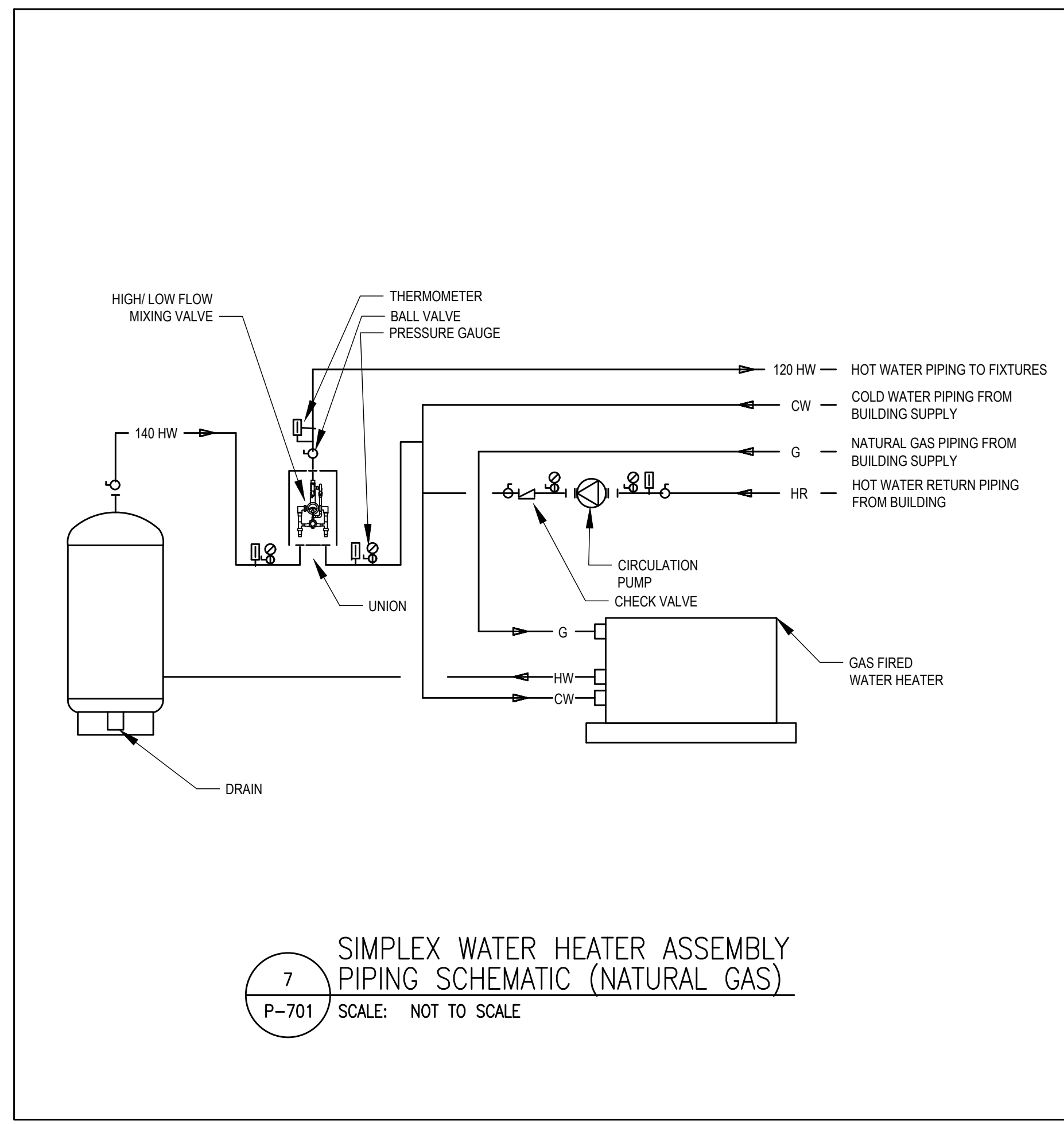
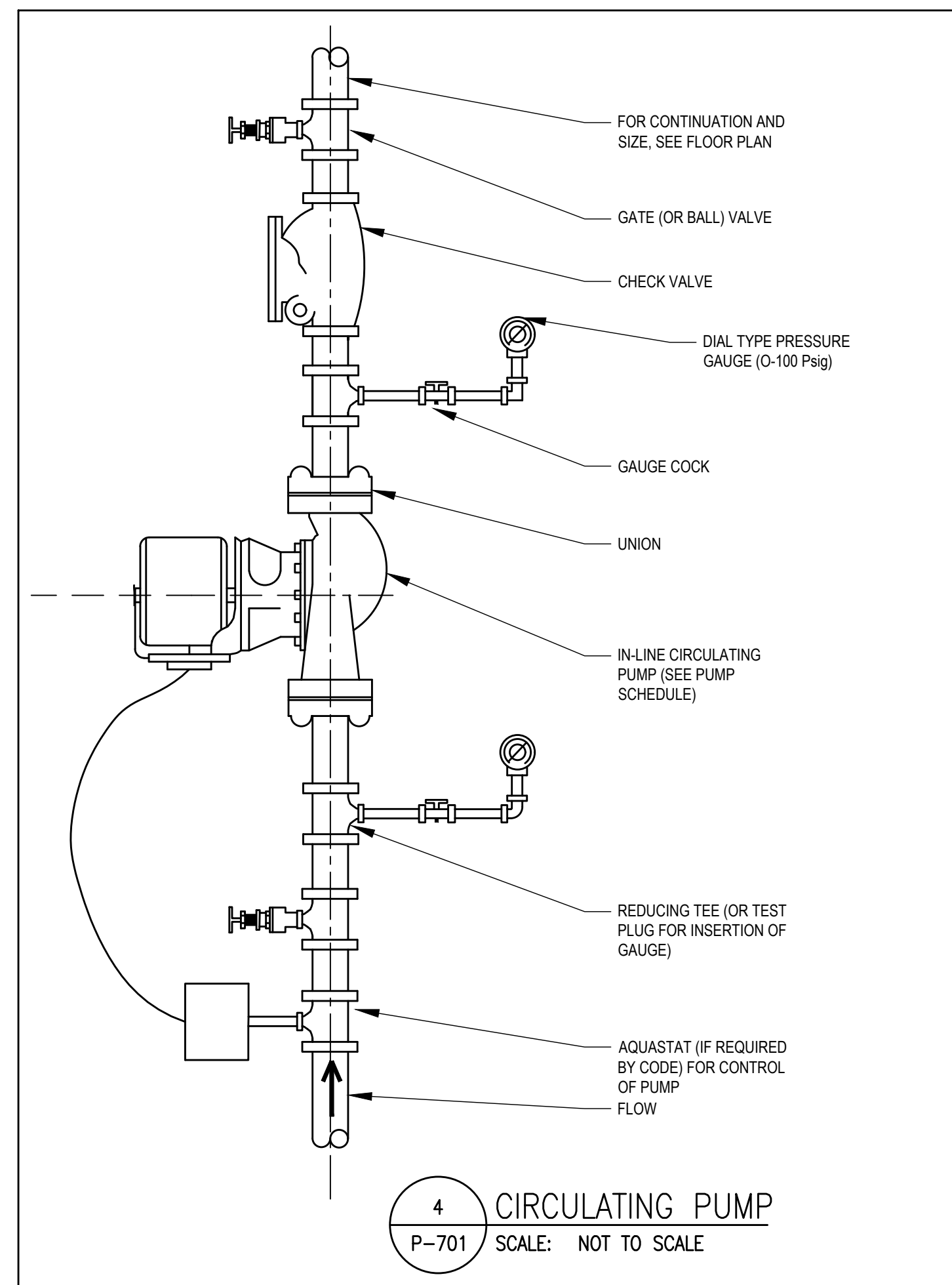
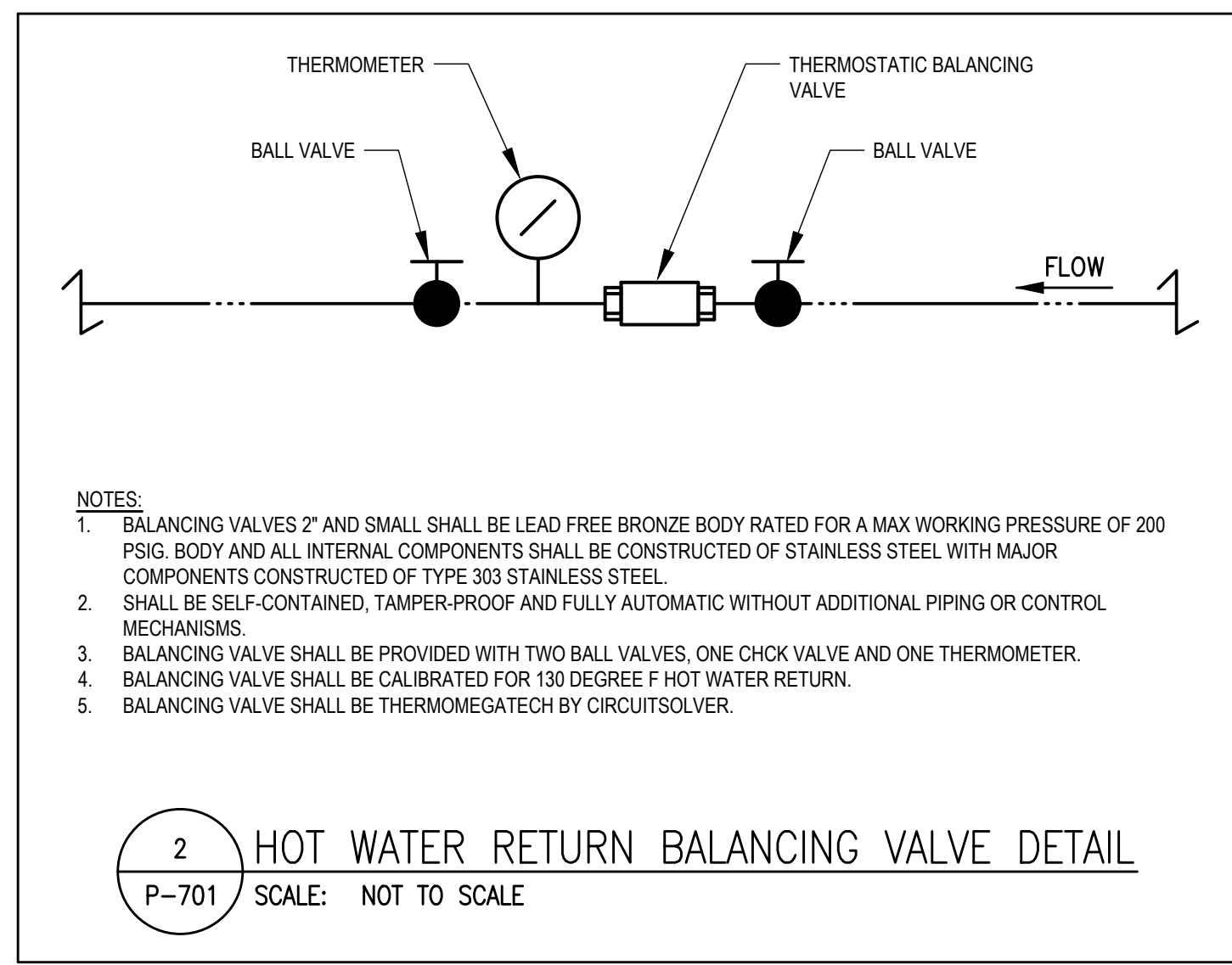
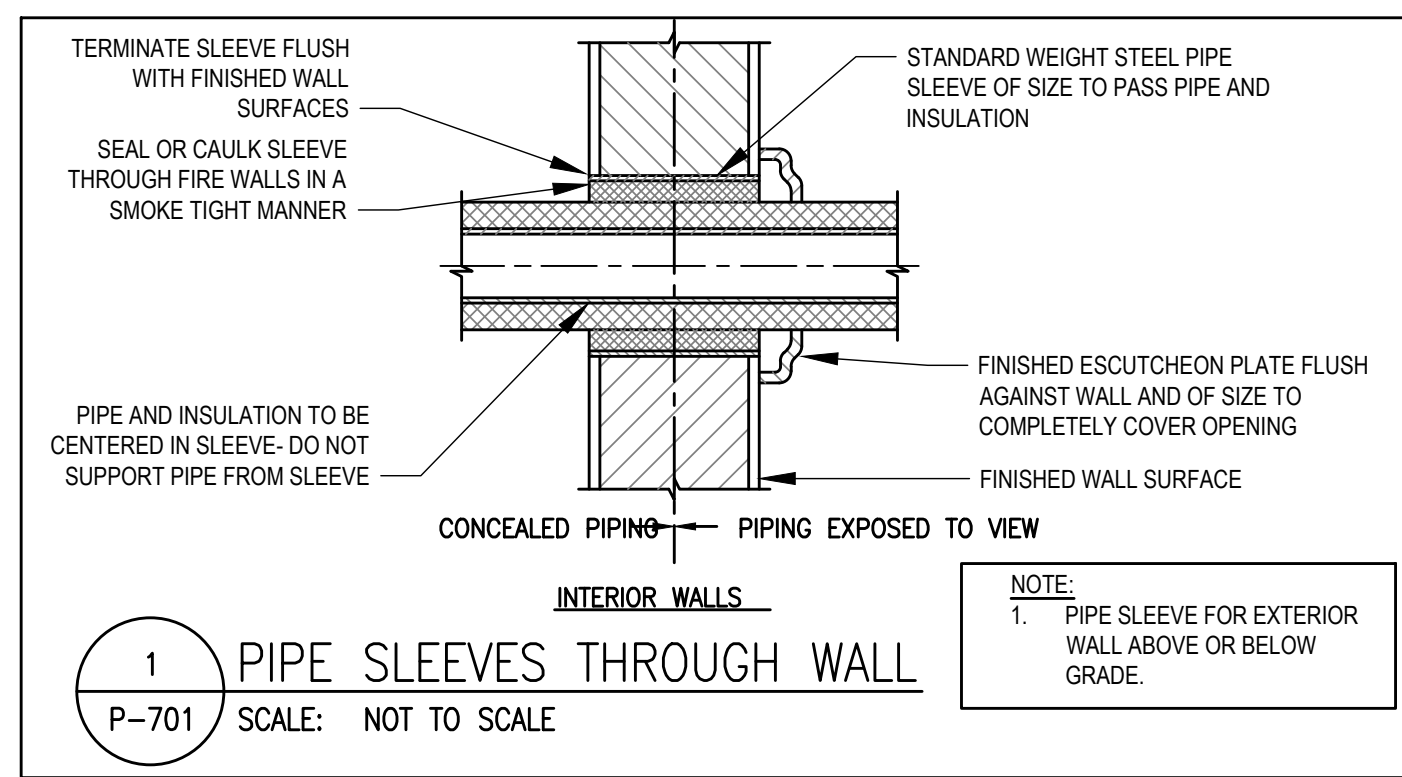
ADDENDUM 2	01/09/2024
BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO.	66-03-01-03-0-003-031
MEMASH PROJECT NO.	102-2301

PLUMBING SCHEDULES



ELECTRICAL SYMBOL LIST	
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)	
SYMBOL	DESCRIPTION
	20A, 125V DECORA STYLE DUPLEX RECEPTACLE – FLUSH WALL MOUNTED
	20A, 125V DECORA STYLE QUADRUPLER RECEPTACLE – FLUSH WALL MOUNTED
	20A, 125V DECORA STYLE GFCI TYPE DUPLEX RECEPTACLE – FLUSH WALL MOUNTED
	20A, 125V GFCI TYPE WEATHER RESISTANT DUPLEX RECEPTACLE IN WEATHER PROOF ENCLOSURE
	20A, 125V DECORA STYLE DUPLEX RECEPTACLE – CEILING MOUNTED
	SPECIAL PURPOSE RECEPTACLE – FLUSH WALL MOUNTED
	DATA OUTLET WITH 1 1/4" E.C. UP TO CEILING. TURN 90° AND STUB AND BUSH 6" INTO ACCESSIBLE CEILING
	CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	FLUSH FLOOR MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	UNFUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH – 100 AMP SWITCH, 60 AMP FUSE, UNFUSED (EXCEPT WHERE FUSE SIZE IS INDICATED) 3–POLE (EXCEPT WHERE NOTED)
	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COOR. LOCATION W/MECH. CONT.
	CIRCUIT BREAKER 100A FRAME/60A TRIP, 3 POLE, U.O.N. ST – SHUNT TRIP
	VARIABLE FREQUENCY DRIVE (VFD), FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COORD. LOCATION WITH MECH. CONTRACTOR
	MOTOR
	PULLBOX, SIZED PER NEC
	DRY TYPE 480–208V TRANSFORMER DELTA–WYE WITH GROUNDING SECONDARY SIDE, UON.
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
	GROUND BAR
	2#12-1#12G-3/4" FOR ONE CKT. HOMERUN, U.O.N.
	4#12-1#12G-3/4" FOR TWO CKT. HOMERUN, U.O.N.
	6#12-1#12G-3/4" FOR THREE CKT. HOMERUN, U.O.N.
	3#12-1#12G-3/4" HOMERUN, U.O.N.
	CONCEALED CONDUIT
	CONDUIT TURNING UP
	CAPPED CONDUIT
	FLEXIBLE EQUIPMENT CONNECTION
	GROUND CONNECTION
	MANUAL STARTER – TOGGLE TYPE WITH THERMAL ELEMENT – 250V HP RATED, FURNISHED BY ELEC CONTRACTOR
	SECURITY DEVICE REPEATER

ELECTRICAL ABBREVIATIONS			
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)			
A	AMPERE	KCM	THOUSAND CIRCULAR MILS
AC	ABOVE COUNTER	KV	KILOVOLT
AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
AHJ	AUTHORITY HAVING JURISDICTION	KW	KILOWATT
AIC	AMP INTERRUPTING CAPACITY	KWH	KILOWATT HOUR
ATS	AUTOMATIC TRANSFER SWITCH	LTG	LIGHTING
AUTO	AUTOMATIC	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BLDG	BUILDING	MCC	MOTOR CONTROL CENTER
C	CONDUIT	MIN	MINIMUM
CB	CIRCUIT BREAKER	MTD	MOUNTED
CCTV	CLOSED CIRCUIT TELEVISION	N	NEUTRAL
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CO	CARBON MONOXIDE	NTS	NOT TO SCALE
COMM	COMMUNICATION	OC	ON CENTER
CT	CURRENT TRANSFORMER	P	POLE
CU	COPPER	Ø or PH	PHASE
DEG	DEGREE	PNL	PANEL
DGP	DATA GATHERING PANEL	PWR	POWER
DISC	DISCONNECT	R	RELOCATED
DN	DOWN	RECEPT	RECEPTACLE
DWG	DRAWING	TEL	TELEPHONE
E/EX	EXISTING TO REMAIN	TOS	TOP OF SHAFT
EC	ELECTRICAL CONTRACTOR	TV	TELEVISION
EM	EMERGENCY	TYP	TYPICAL
ER	EXISTING TO BE REMOVED	UON	UNLESS OTHERWISE NOTED
ERR	EXISTING TO BE REMOVED AND RELOCATED	V	VOLT OR VOLTAGE
FA	FIRE ALARM	VA	VOLT AMPERE
FACP	FIRE ALARM CONTROL PANEL	VIF	VERIFY IN FIELD
FL	FLOOR	W	WATT
FT	FEET OR FOOT	WP	WEATHERPROOF
GRD	GROUND	WT	WATERTIGHT
GFI	GROUND FAULT INTERRUPTER	XP	EXPLOSION PROOF
HID	HIGH INTENSITY DISCHARGE		
HP	HORSE POWER		
HZ	HERTZ		
JB	JUNCTION BOX		

NEW YORK STATE CODES & STANDARDS	
<ul style="list-style-type: none"> 2020 BUILDING CODE OF NEW YORK STATE 2020 FIRE CODE OF NEW YORK STATE 2020 PLUMBING CODE OF NEW YORK STATE 2020 MECHANICAL CODE OF NEW YORK STATE 2020 FUEL GAS CODE OF NEW YORK STATE 2020 NYS UNIFORM CODE SUPPLEMENT NYS EDUCATION DEPARTMENT 2022 MANUAL OF PLANNING STANDARDS 	
NEW YORK STATE ENERGY CODES	
<ul style="list-style-type: none"> 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE 2016 ASHRAE 90.1 	
REFERENCED STANDARDS	
<p>APPLICABLE REFERENCE STANDARDS SHALL BE AS REFERENCED BY ALL STATE CODES. THE LIST BELOW IS FOR QUICK REFERENCE AND DOES NOT INCLUDE ALL APPLICABLE REFERENCE STANDARDS.</p> <ul style="list-style-type: none"> 2016 NFPA 13 – STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2016 NFPA 14 – STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS 2016 NFPA 20 – STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2017 NFPA 70 – NATIONAL ELECTRICAL CODE 2016 NFPA 72 – NATIONAL FIRE ALARM AND SIGNALING CODE 	

CUTTING AND PATCHING GENERAL NOTES	
<p>ELECTRICAL CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING OF EXISTING CONSTRUCTION AS REQUIRED TO PROPERLY INSTALL AND CONCEAL ALL RACEWAYS, BOXES, DEVICES, AND EQUIPMENT. ALL WORK ASSOCIATED WITH CUTTING OF CONSTRUCTION SHALL BE ACCOMPLISHED IN A CLEAN AND NEAT FASHION WITH PURPOSE TO MINIMIZE ANY DISRUPTION OF EXISTING SYSTEMS. ELECTRICAL CONTRACTOR SHALL RETURN ANY AFFECTED CONSTRUCTION TO AS FOUND. ELECTRICAL CONTRACTOR SHALL MATCH ALL REQUIRED FINISHES SUCH AS TILE/GROUT, PAINT, PLASTER, BRICK, ECT. WITH EXISTING SURROUNDINGS.</p>	

LIGHTING CONTROL SYMBOL LIST	
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)	
SYMBOL	DESCRIPTION
	SINGLE POLE LINE VOLTAGE SWITCH
	KEY ACTIVATED LINE VOLTAGE SWITCH
	DUAL TECHNOLOGY OCCUPANCY SENSOR, WALL MTD.
	DUAL TECHNOLOGY VACANCY SENSOR, CEILING MTD.
	LOW VOLTAGE LIGHTING CONTROL MASTER LIGHTING CONTROL WALL STATION
	LOW VOLTAGE LIGHTING CONTROL LOCAL LIGHTING CONTROL WALL STATION (OP denotes VACANCY SENSOR OVERRIDE, K denotes KEY SWITCH)
	EXTERIOR LIGHTING PHOTOCELL
	INTERIOR DAYLIGHT ZONE SENSOR
	ROOM CONTROLLER LOWER CASE LETTER DENOTES CONTROL ZONES; REFER TO LIGHTING CONTROL DETAILS
	LOW VOLTAGE LIGHTING CONTROL LOCAL LIGHTING CONTROL WALL STATION WITH VACANCY VACANCY SENSOR OVERRIDE AND ZONE DIMMING

FIRE ALARM SYMBOL LIST	
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)	
SYMBOL	DESCRIPTION
	CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	COMBINATION FIRE ALARM BELL-STROBE LIGHT UNIT – FLUSH WALL MOUNTED (WITH ADJUSTABLE CANDELA RATING)
	FIRE ALARM PULL STATION
	FIRE ALARM RELAY
	FIRE ALARM REMOTE ANNUNCIATOR PANEL
	FIRE ALARM STROBE LIGHT

LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTAGE / CCT / LUMENS / CRI	VOLTS	NOTES
F1	2x4 FLAT PANEL	METALUX	24FP4735C	41 / 3500K / 4581 / 80	UNV	EL14W EM PACK WHERE INDICATED
F2	2x2 FLAT PANEL	METALUX	22FP3235C	29 / 3500K / 3307 / 80	UNV	EL14W EM PACK WHERE INDICATED
F3	2x4 TRC FFER	LITHONIA	ENVX-2x4 HRG 6000LM 80CRI 35K MN1 EZT IM/VOLT	50 / 3500K / 6000 / 80	UNV	EL15W/LCP EM PACK WHERE INDICATED
X1	LED EDGE-LIT EXIT SIGN	LITHONIA	LRP 1/2 RC/RMR 120/277 EL-N	2W	UNV	SHIP WITH ALL MOUNTING OPTIONS AND DIRECTIONAL INDICATORS

ELECTRICAL DRAWING LIST	
Sheet	Sheet Title
AH E001	ELECTRICAL COVER SHEET
AH E002	ELECTRICAL GENERAL NOTES
AH ED100	ELECTRICAL DEMOLITION PLAN - GROUND FLOOR
AH ED101	ELECTRICAL DEMOLITION PLAN - FIRST FLOOR
AH E200	ELECTRICAL LIGHTING PLAN - GROUND FLOOR
AH E201	ELECTRICAL LIGHTING PLAN - FIRST FLOOR
AH E501	ELECTRICAL LIGHTING CONTROLS
AH E601	ELECTRICAL PANEL SCHEDULES

EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL PROJECT PHASE 3

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT
MEMASI
 2 LYON PLACE
 WHITE PLAINS, NY 10601
 914.915.9519
 MEMASIDESIGN.COM

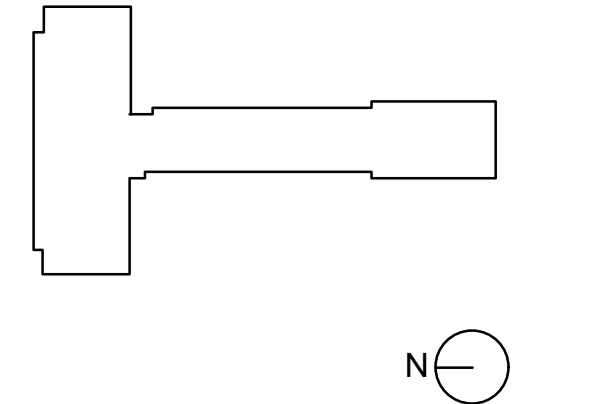
STRUCTURAL CONSULTANT
REILLY TARANTINO ENGINEERING
 100 PARK BLVD, SUITE 209
 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT
STANTEC
 30 OAK STREET, SUITE 400
 STAMFORD, CT 06905

HAZARDOUS MATERIALS CONSULTANT
WSP
 ONE PENN PLAZA
 250 W 34TH ST., 4TH FLOOR
 NEW YORK, NY 10014

ADDENDUM #2	01/09/2024
BID SET	12/18/2023
ISSUE	DATE

KEY PLAN



PROJECT NO. 69-03-01-03-C-001-023
 MEMASI PROJECT NO. 102-2301

ELECTRICAL COVER SHEET



AIA[®] Document G716™ – 2004

Request for Information (“RFI”)

TO:
MEMASI
2 Lyon Place
White Plains, NY 10601

FROM:
All Bright Electric
100 Snake Hill Road
West Nyack, NY 10994

PROJECT:
2022 Capital Bond Project, Phase 3
Eastchester Union Free School District

ISSUE DATE: 12/27/23 **RFI No.** 1

PROJECT NUMBERS: MEMASI / 102-2301

REQUESTED REPLY DATE:
COPIES TO:

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*

Panel PP-MS2-2 shown on drawing MSHS-E102A has no associated panel schedule with this panel. Please provide a panel schedule and the intended scope for this panel.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*

SPECIFICATIONS:

DRAWINGS:

OTHER:

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

Please omit this panel

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

Joseph Bastone, Stantec Consulting Inc.

01-04-2024

BY

DATE

COPIES TO

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



AIA[®] Document G716™ – 2004

Request for Information (“RFI”)

TO:
MEMASI
2 Lyon Place
White Plains, NY 10601

FROM:
All Bright Electric
100 Snake Hill Road
West Nyack, NY 10994

PROJECT:
2022 Capital Bond Project, Phase 3
Eastchester Union Free School District

ISSUE DATE: 12/27/23 **RFI No.** 2

PROJECT NUMBERS: MEMASI / 102-2301

REQUESTED REPLY DATE:
COPIES TO:

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*

Panels MB-4 & PPMB3 shown on drawing MSHS-E102C have no associated panel schedule with these panels. Please provide a panel schedules and the intended scope for this panels such as where they will be fed from, and the feeder size information.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*

SPECIFICATIONS: **DRAWINGS:** **OTHER:**

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

Please refer to addendum #2 for panel PPMB3 schedule. This panel is existing to remain. Please provide circuit breakers indicated in panel schedule. Panel MB-4 is a mechanical control panel and is shown for reference only. No work is required under the electrical contract

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

Joseph Bastone, Stantec Consulting Inc. 01-04-2024

BY **DATE** **COPIES TO**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



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Request for Information (“RFI”)

TO:
MEMASI
2 Lyon Place
White Plains, NY 10601

FROM:
All Bright Electric
100 Snake Hill Road
West Nyack, NY 10994

PROJECT:
2022 Capital Bond Project, Phase 3
Eastchester Union Free School District

ISSUE DATE: 12/27/23 **RFI No.** 3

PROJECT NUMBERS: MEMASI / 102-2301

REQUESTED REPLY DATE:
COPIES TO:

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*

The existing switchboard shown on the riser diagram on MSHS-E501 is named MSB. However, the floor plan on the High School side shows what looks like the existing main switchboard on MSHS-E100B but it is named MBD on this drawing. Should this be labeled MSB instead?

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*

SPECIFICATIONS:

DRAWINGS:

OTHER:

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

Please use the name MBD

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

Joseph Bastone, Stantec Consulting Inc.

01-04-2024

BY

DATE

COPIES TO

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



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Request for Information (“RFI”)

TO:
MEMASI
2 Lyon Place
White Plains, NY 10601

FROM:
All Bright Electric
100 Snake Hill Road
West Nyack, NY 10994

PROJECT:
2022 Capital Bond Project, Phase 3
Eastchester Union Free School District

ISSUE DATE: 1/5/24 **RFI No.** 4

PROJECT NUMBERS: MEMASI / 102-2301

REQUESTED REPLY DATE:
COPIES TO:

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*

Based on the floor plans, there are some rooms that have existing wall mounted strobes that show new ceiling mounted strobes to be installed. Are any removals of the existing fire alarm devices required?

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*

SPECIFICATIONS: **DRAWINGS:** **OTHER:**

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

Please omit new ceiling mounted strobes in rooms with existing wall mounted strobes

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

Joseph Bastone, Stantec Consulting Inc. 01-08-2024

BY **DATE** **COPIES TO**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



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Request for Information (“RFI”)

TO:

Memasi
2 Lyon Place
White Plains, NY 10601

PROJECT:

2022 Capital Bond Project Phase 3

FROM:

Bertussi Contracting
60-70 Dexter Plaza
Pearl River, NY 10965

ISSUE DATE: 1/2/24**RFI No.** 005**PROJECT NUMBERS:** 102-2301 /**REQUESTED REPLY DATE:** ASAP**COPIES TO:** sweber@bertussis.com**RFI DESCRIPTION:** *(Fully describe the question or type of information requested.)*

The riser diagram on the plumbing drawing P501 does not conform to the other plumbing drawings. For example there are 38 WC, 37 Lavs, and 13 urinals, 4 janitor sinks, 4 emergency showers and 1 shower. These fixtures are not shown on any other plans. Are the fixtures for informational purposes for replacing associated piping? Please advise

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)***SPECIFICATIONS:****DRAWINGS:****OTHER:****SENDER’S RECOMMENDATION:** *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

These fixtures are existing to remain and shown for reference. The fixture tags have been update to show them as existing, please refer to drawing P-501.

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*Kassady Peters - Stantec1/9/2024**BY****DATE****COPIES TO**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



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Request for Information (“RFI”)

TO:

Memasi
2 Lyon Place
White Plains, NY 10601

PROJECT:

2022 Capital Bond Project Phase 3

FROM:

Bertussi Contracting
60-70 Dexter Plaza
Pearl River, NY 10965

ISSUE DATE: 1/2/24**RFI No.** 006**PROJECT NUMBERS:** 102-2301 /**REQUESTED REPLY DATE:** ASAP**COPIES TO:** sweber@bertussis.com**RFI DESCRIPTION:** *(Fully describe the question or type of information requested.)*

The allowances on GC bid form (Unit Price 1-3) do not match the Allowance spec section 012100. The same occurs on the MC bid form (Unit Price 1-2) and the PC bid form Unit Price (1-3). Please advise.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)***SPECIFICATIONS:****DRAWINGS:****OTHER:**

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

Bid forms are correct. Please provide Unit Prices reflecting the numbering in the spec.

Pancaldi | MEMASI**BY**01.09.24**DATE**Arris Contracting**COPIES TO**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



AIA[®] Document G716[™] – 2004

Request for Information (“RFI”)

TO:
 Memasi
 2 Lyon Place
 White Plains, NY 10601
PROJECT:
 2022 Capital Bond Project Phase 3

FROM:
 Bertussi Contracting
 60-70 Dexter Plaza
 Pearl River, NY 10965
ISSUE DATE: 1/8/2024 **RFI No.** 008

PROJECT NUMBERS: 102-2301 /

REQUESTED REPLY DATE: ASAP
COPIES TO: sweber@bertussis.com

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*

Is the schedule for the boiler room work in the MS to be done 2024 or 2025?
 Is the schedule for the boiler room work in the HS to be done 2024 or 2025?

Please advise.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*
SPECIFICATIONS: **DRAWINGS:** **OTHER:**

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

MS project including boiler room to be completed by end of August 2024
 HS project including boiler room to be completed by end of August 2025

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

Pancaldi MEMASI	01/09/24	Arris Contracting
BY	DATE	COPIES TO

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



AIA[®] Document G716™ – 2004

Request for Information (“RFI”)

TO: [Piere Pancaldi](#) **CC:** [JpJackson](#) , [A Smith](#) **FROM:** [Nico Carabetta](#)

MEMASI
2 Lyon Place
White Plains, NY 10601

PROJECT:
2022 Capital Bond Project, Phase 3
Eastchester Union Free School District

ISSUE DATE: [12/22/23](#) **RFI No.** [1](#)

PROJECT NUMBERS: MEMASI / 102-2301

REQUESTED REPLY DATE: [01/02/24](#)
COPIES TO:

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*

On P100A there is no pipe sizing on the sprinkler line from alarm check valve to the existing connections also is it black pipe victaulic or copper
On P101A Its showing install of two urinals but in the fixtures schedule there is nothing for type or model
On P701 Diagram shows upright water heater the heater is a horizontal model it also shows a high flow mixing valve there is nothing showing in the fixture schedule for type or model . Please Advise

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*

SPECIFICATIONS: **DRAWINGS:** [P100A,P101A,P701](#) **OTHER:**

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

The new sprinkler piping is 4" schedule 40 black steel, refer to drawing P100A and detail on drawing P601.
The urinals make and model has been added to the plumbing fixture schedule, refer to drawing P601.
The detail on drawing P701 has been updated to show the water heater more accurately. The mixing valve has been added to the water heater schedule in the comment section, refer to drawing P601.

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

[Kassady Peters - Stantec](#)

[1/9/2024](#)

[Arris Contracting](#)

BY

DATE

COPIES TO

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



AIA[®] Document G716[™] – 2004

Request for Information (“RFI”)

TO:
MEMASI
2 Lyon Place
White Plains, NY 10601

FROM: Joe Lombardo Plumbing & Heating

PROJECT:
2022 Capital Bond Project, Phase 3
Eastchester Union Free School District

ISSUE DATE: 1/4/2024 **RFI No. #2**

PROJECT NUMBERS: MEMASI / 102-2301

REQUESTED REPLY DATE:
COPIES TO:

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*
Demolition drawing MSHS MD1000-B calls for boiler room demolition to refer to drawing MSHS MD302 for demolition work in this area, however there is no drawing MSHS MD302 as part of contract documents. Please advise.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*

SPECIFICATIONS: **DRAWINGS:** MD100-B **OTHER:**

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

The note on dwg MSHS MD100-B should say 'refer to drawing MSHS MD301' which is included in the set of drawings.

Pancaldi | MEMASI

01.09.24

Arris Contractng

BY

DATE

COPIES TO

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.



AIA[®] Document G716™ – 2004

Request for Information (“RFI”)

TO:
MEMASI
2 Lyon Place
White Plains, NY 10601

FROM:
Milcon Construction Corp.

PROJECT:
Eastchester UFSD
2022 Capitol Bond Project Phase 3
MEMASI Project # 102-2301

ISSUE DATE: 1.9.204 **RFI No.** 004

PROJECT NUMBERS: MEMASI / 102-2101

REQUESTED REPLY DATE:
COPIES TO:

RFI DESCRIPTION: *(Fully describe the question or type of information requested.)*
are you able to provide an asbestos report?

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)*
SPECIFICATIONS: Asbestos **DRAWINGS:** **OTHER:**

SENDER’S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

RECEIVER’S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

Asbestos report will be uploaded to BidlyHQ.

Pancaldi | MEMASI

01.09.24

Arris Contracting

BY

DATE

COPIES TO

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.