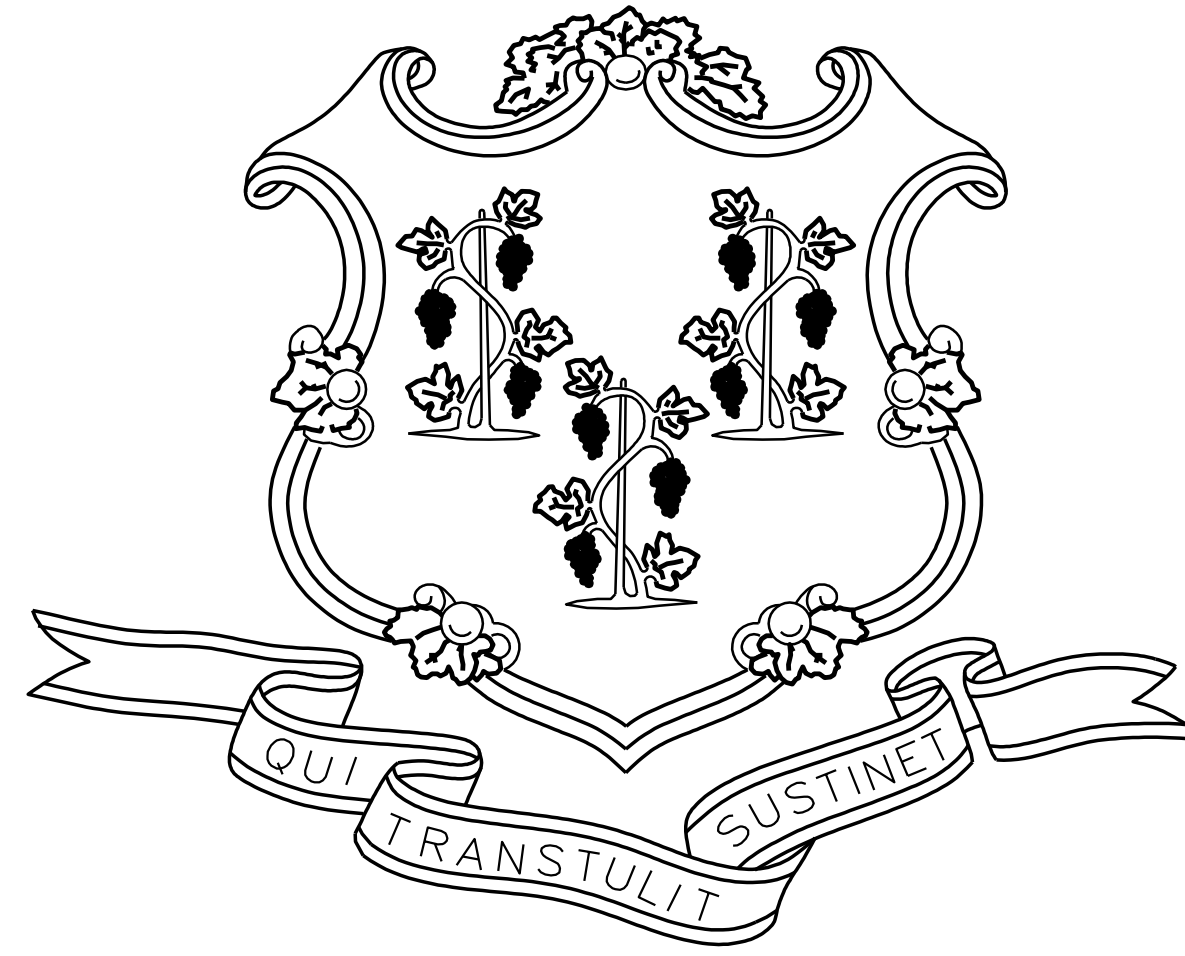


STATE OF CONNECTICUT



DANNEL P. MALLOY, GOVERNOR

DEPARTMENT OF PUBLIC WORKS
JONATHAN P. HOLMES
 COMMISSIONER

CONNECTICUT TECHNICAL HIGH SCHOOL SYSTEM
 DEPARTMENT OF EDUCATION
DR. MARK K. McQUILLAN
 COMMISSIONER

ADDITIONS AND ALTERATIONS
 H.C. WILCOX TECHNICAL HIGH SCHOOL
 MERIDEN, CONNECTICUT

STATE PROJECT NUMBER: BI-RT-843

GENERAL NOTES

1. THE DRAWINGS AND SPECIFICATIONS ARE DIVIDED INTO SECTIONS TO MEET THE NEEDS OF THE ARCHITECT, ENGINEERS, AND OTHER DESIGN CONSULTANTS. THEY ARE NOT PREPARED AS INSTRUCTIONS TO THE CONTRACTOR FOR HOW TO BUY OUT OR SUBCONTRACT THE WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS, REGARDLESS OF WHERE IT IS SHOWN.
3. THE CONTRACTOR ACKNOWLEDGES THAT THEY HAVE REVIEWED ALL THE CONTRACT DOCUMENTS AND HAVE UNDERSTOOD THE SCOPE OF THE PROJECT IN ITS ENTIRETY.

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 81 SCHOOL GROUND ROAD
 BRANFORD, CT06405

BID DOCUMENTS
 VOLUME 2 OF 2
 JAN 28, 2011

DRAWING LIST

COVER SHEET-VOLUME 2 OF 2

VOLUME 2

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DRAWING LIST

ELECTRICAL

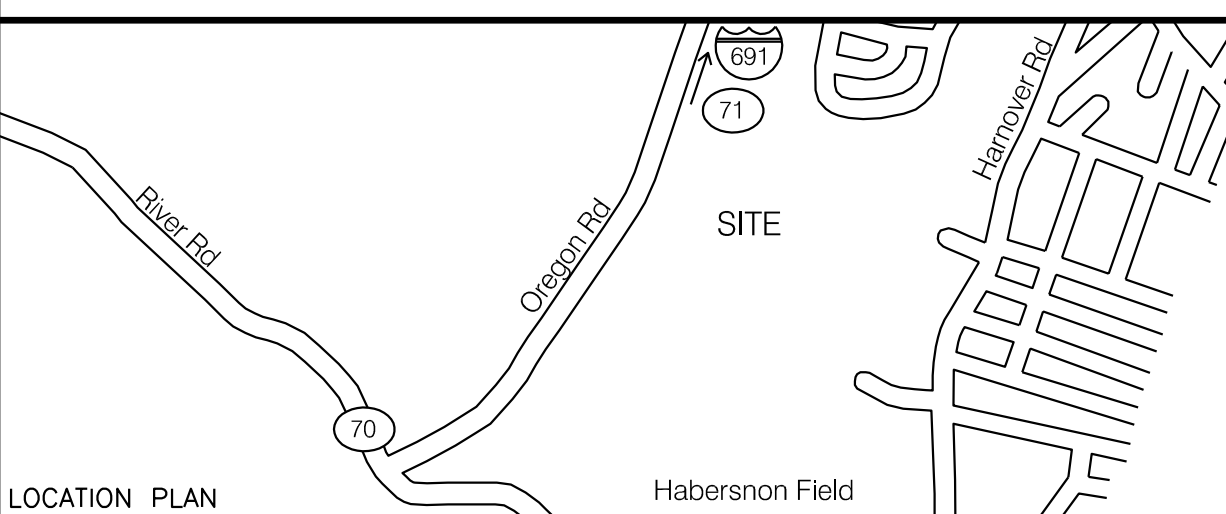
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- E2.04 FIRST FLOOR PLAN-AREA B & C-LIGHTING
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- E2.08 SECOND FLOOR PLAN-AREA A-LIGHTING
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- E3.01 FIRST FLOOR MECHANICAL ROOM PART PLANS-ELECTRICAL
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- E4.01 RISER DIAGRAM-ELECTRICAL
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- E5.01 DETAILS-ELECTRICAL
- E5.02 DETAILS-ELECTRICAL
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- E6.01 SCHEDULES-ELECTRICAL
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- T1.08 SECOND FLOOR PLAN-AREA A-TELECOMMUNICATIONS
- T1.09 SECOND FLOOR PLAN-AREA B-TELECOMMUNICATIONS
- T3.01 ONE LINE DIAGRAM-TELECOMMUNICATIONS
- T4.01 DETAILS-TELECOMMUNICATIONS

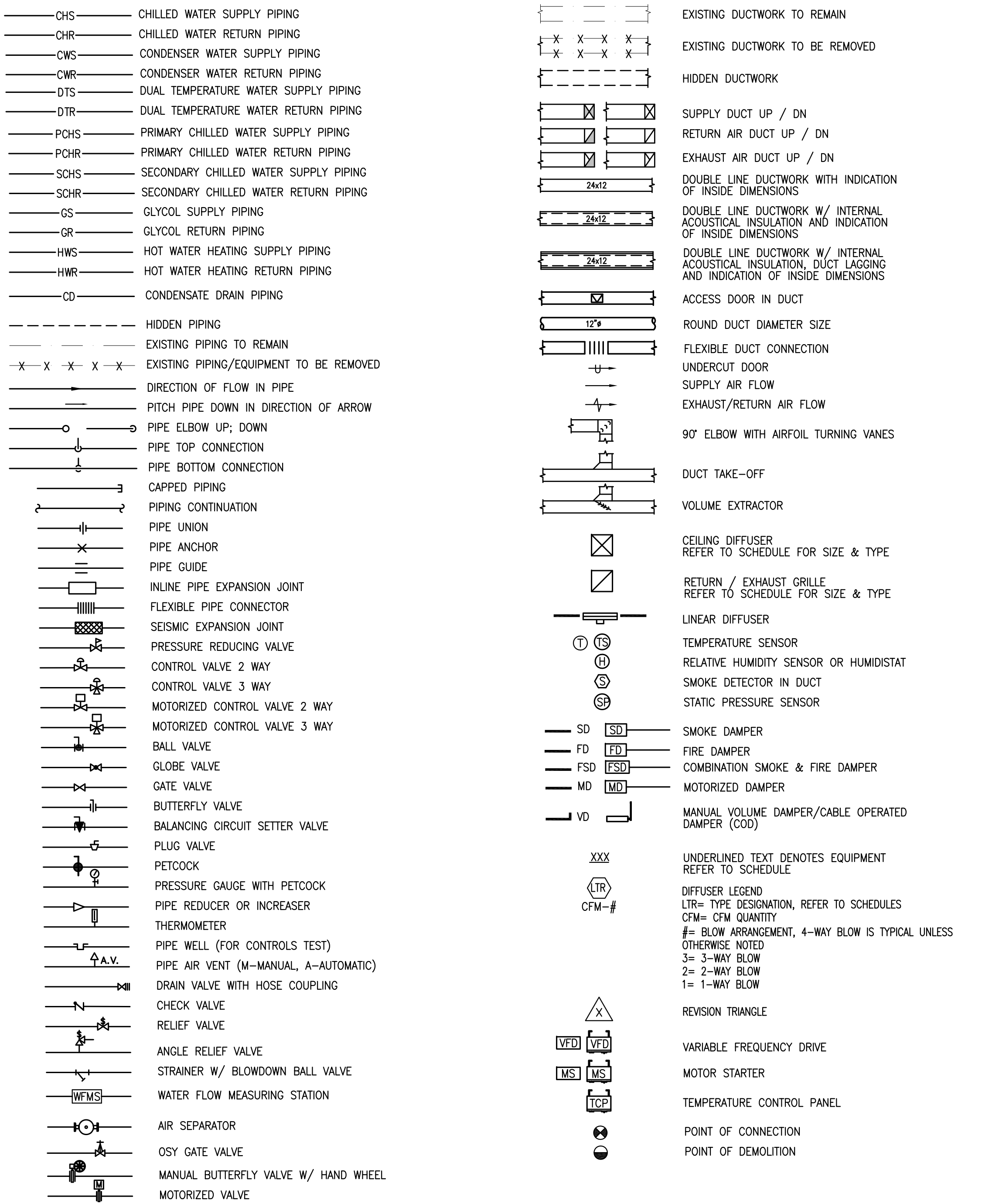
FIRE PROTECTION

- FP0.00 NOTES & SYMBOLS-FIRE PROTECTION
- FPD1.01 FIRST FLOOR DEMOLITION PLAN-AREA A & C-FIRE PROTECTION
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- FP1.10 SECOND FLOOR PLAN-AREA C-FIRE PROTECTION
- FP2.00 RISER DIAGRAM-FIRE PROTECTION
- FP3.00 DETAILS-FIRE PROTECTION



APPROVALS	
PUBLIC WORKS	DATE
AGENCY	DATE

GENERAL MECHANICAL SYMBOLS



* ALL SYMBOLS MAY NOT BE USED IN THESE DOCUMENTS.

GENERAL MECHANICAL ABBREVIATIONS

Table of General Mechanical Abbreviations with columns for symbol, description, and additional notes.

* ALL ABBREVIATIONS MAY NOT BE USED IN THESE DOCUMENTS.

GENERAL NOTES

- GENERAL
1. WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY...
2. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO PROVIDE FOR FINISHED WORK, TESTED AND READY FOR OPERATION...
3. ITEMS AND SERVICES NOT SHOWN ON DRAWINGS OR SPECIFICATIONS BUT REQUIRED TO RENDER THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED WITHOUT ADDITIONAL COST...
4. WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS, PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL ALL WORK AS SPECIFIED AND AS REQUIRED BY JOB CONDITIONS...
5. DRAWINGS ARE DIAGNOSTIC AND INDICATE A GENERAL ARRANGEMENT OF WORK AND ARE NOT TO BE CONSIDERED SUB-CONTRACTOR DOCUMENTS...
6. PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS...
7. WORK SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, FEES, LICENSES, AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE WORK SHOWN ON THE DRAWINGS, SPECIFIED HEREIN AND AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM...
8. STORE MATERIALS INSIDE AND PROTECTED FROM DEBRIS, WEATHER AND MOISTURE...
9. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL POWER AND CONTROL WIRING REQUIRED FOR EQUIPMENT OPERATION NOT SPECIFICALLY PROVIDED BY OTHERS BUT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM...
10. COORDINATE ALL HVAC WORK AND EQUIPMENT WITH STRUCTURAL STEEL, FIRE PROTECTION PIPING, PLUMBING PIPING, LIGHT FIXTURES, ELECTRICAL EQUIPMENT AND OWNER'S EQUIPMENT...
11. ALL EXISTING CONDITIONS AS INDICATED ARE APPROXIMATIONS OF EXACT CONDITIONS TO BE VERIFIED IN THE FIELD...
12. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING GRILLES, REGISTERS AND DIFFUSERS...
13. PROVIDE VOLUME DAMPERS IN EACH BRANCH DUCT SERVING DIFFUSER, GRILLES, RETURNS, ETC. WHETHER INDICATED OR NOT...
14. PROVIDE CABLE OPERATED DAMPERS IN BRANCH DUCT SERVING DIFFUSERS IN INACCESSIBLE CEILING LOCATIONS WHETHER INDICATED OR NOT...
15. LOCATE ALL DUCT BALANCING DAMPERS ABOVE ACCESSIBLE CEILINGS, OR PROVIDE ACCESS DOORS. ACCESS DOOR LOCATIONS SHALL BE IN CONJUNCTION WITH DIVISION 08 FOR ALL TRADES...
16. PROVIDE TRAPPED CONDENSATION DRAIN PIPING FROM A.C.U.'S DRAIN PAN TO NEAREST FLOOR DRAIN OR PLUMBING DRAIN CONNECTIONS AND SPILL (REFER TO PLUMBING PLANS FOR FLOOR DRAIN AND DRAIN LOCATIONS)...
17. NOT USED...
18. RUN REFRIGERATION PIPING FROM AIR COOLED CONDENSING UNITS TO RESPECTIVE DX COOLING COILS. PIPING ROUTING, SIZING AND ETC. TO BE AS PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS...
19. DUCTWORK INDICATED BY SINGLE LINE REPRESENTATION ARE GENERALLY SMALLER BRANCH ZONE DUCTS. COORDINATE ELEVATIONS AND PROVIDE NECESSARY OFFSETS...
20. ALL HWS AND HWR PIPING SERVING RADIATION SHALL BE CONCEALED IN WALLS OR FLOORS UNLESS OTHERWISE NOTED...
21. WHEREVER EXISTING SYSTEMS ARE ALTERED OR EXTENDED THE INTEGRITY OF THE SYSTEM IS TO BE MAINTAINED AND FUNCTIONALLY AS BEFORE...
22. VERIFY EXACT LOCATION OF CONNECTION POINTS (NEW TO EXISTING) IN FIELD PRIOR TO CONSTRUCTION...
23. RELOCATE EXISTING DUCTWORK AND/OR PIPE WORK IN EXISTING CEILING SPACES TO ACCOMMODATE ALL RENOVATIONS AND ADDITIONS...
24. TAKE DOWN AND REINSTALL EXISTING CEILINGS IN ALL AREAS WHERE MECHANICAL WORK IS INDICATED AND EXISTING CEILINGS REMAIN. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWINGS FOR LOCATIONS WHERE EXISTING CEILINGS REMAIN. REPLACE CEILING TILES DAMAGED DURING WORK...
25. PATCH ALL WALLS, FLOORS, CEILINGS, AND ROOFS TO MATCH EXISTING IN ALL CASES WHERE EXISTING WALLS, FLOORS, CEILINGS, AND ROOFS REMAIN AND HVAC DEMOLITION IS INDICATED...
26. PROVIDE FIRE DAMPERS, SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS AS REQUIRED TO MAINTAIN WALL & FLOOR RATINGS AS DEFINED IN ARCHITECTURAL DRAWINGS. SMOKE DAMPERS ARE REQUIRED TO BE INSTALLED IN ALL NON RATED WALLS REQUIRING A SMOKE TIGHT RATING WHERE THE DUCTWORK IS TO BE USED AS A TRANSFER DUCT THROUGH AN EGRESS CORRIDOR AND ADJACENT SPACE...
27. PROVIDE PITCH CORRECTION CURVES FOR ALL MECHANICAL EQUIPMENT AS REQUIRED. ROOF MOUNTED EQUIPMENT TO BE INSTALLED PLUMB AND LEVEL ACCORDING TO EQUIPMENT MANUFACTURERS INSTALLATION INSTRUCTIONS...
28. PROVIDE SEISMIC EXPANSION JOINTS AT ALL PIPING AND DUCTWORK PASSING THROUGH SEISMIC EXPANSION JOINTS...
29. REFER TO SPECIFICATION SECTION 330010 AND DIV 7 FOR ADDITIONAL PENETRATION SEALING REQUIREMENTS. PENETRATIONS TO COMPLY WITH ASTM E84 & E814 AND APPROVED UL 1479 AND SPECIFIC UL ASSEMBLIES AS REQUIRED TO SUIT PENETRATION CONDITIONS...
30. LOCATE ALL ROOF MOUNTED EQUIPMENT REQUIRING SERVICE A MINIMUM OF 10'-0" FROM EDGE OF ROOF. CONTRACTOR MUST COMPLY W/ THIS SET BACK...
31. DO NOT RUN ANY MECHANICAL OR CONTROL SERVICES THROUGH DRY STAIR ENCLOSURES UNLESS SYSTEMS ARE DESIGNED AND DESIGNATED TO SERVICE STAIRS...
32. COORDINATE ALL ROOF AND FLOOR PENETRATIONS W/ STRUCTURAL STEEL DWGS AND PROVIDE STRUCTURAL STEEL CONTRACTOR W/ FLOOR, WALL & ROOF OPENING SIZES...
33. TEMPERATURE CONTROL CONTRACTOR (TCC) IS RESPONSIBLE FOR ALL CONTROL WIRING 120 VOLT AND LESS, EXTEND POWER FOR VAV BOXES FROM JUNCTION BOXES PROVIDED BY DIVISION 26. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS. TCC TO EXTEND 120V POWER TO EACH VAV BOX TRANSFORMER. SHARED TRANSFORMERS ARE NOT ALLOWED. RUN POWER PER DIVISION 2 REQUIREMENTS...
34. TCC SHALL EXTEND ALL POWER FOR DAMPER ACTUATORS, VALVE ACTUATORS AND OTHER CONTROL DEVICES FROM LOCAL ELECTRICAL PANEL DIVISION 26 TO SUPPLY POWER TO TCC'S. REFER TO ELECTRICAL DRAWINGS FOR PANEL LOCATIONS...
35. CONTROL CONTRACTOR TO FIELD MOUNT CONTROL ACTUATORS AND CONTROLS FOR VAV BOXES...
36. THE DRAWINGS AND SPECIFICATIONS ARE DIVIDED INTO SECTIONS TO MEET THE NEEDS OF ARCHITECT, THE ENGINEERS, AND THE DESIGN CONSULTANTS. THEY ARE NOT PREPARED AS INSTRUCTIONS TO THE CONTRACTOR FOR HOW TO BUY OUT OR SUBCONTRACT THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS, REGARDLESS OF WHERE IT IS SHOWN. FOR EXAMPLE, ELECTRICAL WORK IS SHOWN ON PP DRAWINGS AS WELL AS ON M DRAWINGS AND E DRAWINGS. MISCELLANEOUS METALS AND STRUCTURAL STEEL ARE SHOWN ON A DRAWINGS AS WELL AS ON S DRAWINGS. STRUCTURAL SUPPORTS ARE REQUIRED BY THE PP DRAWINGS TO AVOID OMITTING ANY COMPONENT OF THE PROJECT. REFER TO ALL THE CONTRACT DOCUMENTS IN THEIR ENTIRETY...
37. CONTRACTOR TO PROVIDE INTERNAL MESH BAFFLES IN AIR HANDLING UNITS, PLENUMS AND FAN COILS TO ALLOW PROPER MIXING OF OUTSIDE AIR AND RETURN AIR IN THE EVENT THERE IS INSUFFICIENT SPACE FOR MIXING TO PREVENT NUISANCE FREEZE STAT TRIPS. CONTRACTOR REVIEW DRAWINGS AND INSTALLATION AND PROVIDE BAFFLES AS REQUIRED...
ALTERATION WORK AND DEMOLITION
1. ALL EQUIPMENT, DUCTWORK, PIPING, CONTROL DEVICES, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, DUCTWORK, PIPING, CONTROL DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITHOUT THE OWNER'S APPROVAL...
2. UPON COMPLETION OF REMOVALS AND MODIFICATIONS, ALL DUCTWORK PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL SYSTEMS TO REMAIN, REMAIN OPERATIONAL...
3. NO DEAD ENDS SHALL BE LEFT ON ANY DUCTWORK PIPING SYSTEMS UPON COMPLETION OF WORK...
4. EXISTING EXPOSED PIPING SYSTEMS NOT TO BE REUSED, AND NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE COMPLETELY REMOVED...
5. ALL SYSTEMS SHALL BE LEFT IN WORKING ORDER TO THE SATISFACTION OF THE OWNER UPON COMPLETION OF ALL NEW WORK...
6. ALL EXISTING EXPOSED, UNNECESSARY DUCTWORK AND PIPING NOT RELATED TO NEW WORK SHALL BE COMPLETELY REMOVED...
7. RE-ROUTE OR REMOVE ALL EXISTING DUCTWORK, PIPING AND SYSTEMS WHERE NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL, OR MASONRY WORK AS REQUIRED BY THE PROPOSED ALTERATIONS...
8. WHERE PORTIONS OF EXISTING DUCT SYSTEMS ARE TO REMAIN CONTRACTOR TO TAKE AIRFLOW READINGS AT ALL AIR TERMINALS ASSOCIATED WITH THE DUCT SYSTEM TO BE MODIFIED BEFORE COMMENCEMENT OF WORK AND AFTER ALTERATION WORK IS COMPLETE. AIR BALANCING WORK SHALL BE PERFORMED BY CONTRACTOR. REPORTS ARE TO BE ISSUED TO THE OWNER AND ENGINEER AT BOTH OCCURRENCES. IF AS BUILTS ARE AVAILABLE, DISCREPANCIES NOTED BETWEEN THE AS BUILT DRAWINGS AND THE INITIAL AIRFLOW READINGS ARE TO BE NOTED ON THE AIR FLOW REPORT. EXISTING AIR TERMINALS ARE TO BE BALANCED TO THE ORIGINAL READINGS AT COMPLETION OF WORK UNLESS OTHERWISE IDENTIFIED...
9. COORDINATE PHASING OF DEMOLITION WITH C.M./G.C. AND PROPOSED CONSTRUCTION SCHEDULE TO MAINTAIN MECHANICAL SERVICES (HEATING, TEMPERATURE CONTROLS, EXHAUSTS, MAKE UP AIR ETC.) TO OCCUPY AREAS OF THE BUILDING DURING CONSTRUCTION...
10. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK...
11. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING PIPING OR DUCTWORK WHICH MAY CAUSE DISRUPTION TO OCCUPY FACILITIES, CONSULT WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERFERENCE...
12. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY SERVICES, CONNECTIONS, CONTROLS, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPY AREAS...
13. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS, AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION...
14. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING MECHANICAL EQUIPMENT UNTIL THE NEW SYSTEMS COME ON LINE...
15. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING...
16. REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE. HAZARDOUS MATERIALS SHALL BE DISPOSED OF BY AN EPA APPROVED LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED...
17. IT IS THE INTENTION OF THESE DEMO DRAWINGS TO INDICATE GENERAL SYSTEMS AND MATERIALS TO BE REMOVED. CONTRACTOR SHALL REMOVE ALL ABSOLUTE PIPING, DUCTWORK, EQUIPMENT, CONTROLS, ETC. INDICATED OR NOT...
18. DUCTWORK, EQUIPMENT AND TERMINAL DEVICES HAVE BEEN TAKEN FROM FIELD OBSERVATION AND ARE TO BE USED FOR REFERENCE AND SHALL NOT BE CONSTRUED TO BE ACTUAL FIELD CONDITIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL SYSTEMS PRIOR TO COMMENCEMENT OF DEMOLITION WORK...
19. IT IS THE INTENTION OF THESE SPECIFICATION TO REMOVE ALL MATERIALS ABANDONED BY THE SCOPE OF THIS CONSTRUCTION PROJECT. NO OBSOLETE MATERIALS (I.E. HANGERS, SUPPORTS, INSULATION, DUCTWORK, ETC.) SHALL REMAIN. ITEMS AND SYSTEMS INDICATED ARE FOR GENERAL INFORMATION ONLY AND MAY NOT COMPLETELY IDENTIFY ALL SYSTEMS. CONTRACTOR TO OUP, CAP & DEMO ALL SYSTEMS NO LONGER NEEDED IN BUILDING...
20. DISCONNECT AND REMOVE ALL DUCTWORK AND ASSOCIATED SUPPLY, RETURN OR EXHAUST GRILLES INCLUDING BUT NOT LIMITED TO ALL HANGERS, SUPPORTS, VOLUME DAMPERS AND FLEXIBLE DUCTWORK...
21. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION TO ANY EXPOSED OR UNCAPPED NEW OR EXISTING DUCTWORK TO REMAIN TO MINIMIZE DUST CONTAMINATION IN ANY AND ALL OF THE AIR SYSTEMS. THIS SHALL INCLUDE BUT IS NOT LIMITED TO TEMPORARY FILTERS, CAPS, ENCLOSURES, ETC...
22. CONTRACTOR SHALL PROPERLY EVACUATE AND RECLAIM ALL REFRIGERANTS OR FLUOROCARBONS PRIOR TO DEMOLITION...
23. CONTRACTOR SHALL FIRE SEAL ALL EXISTING PENETRATIONS IN AREAS THAT ARE TO REMAIN OR AFFECTED BY THE RENOVATIONS. VERIFY THE EXTENT IN THE FIELD.

DUCT CONTROL NOTES

- 1. CONSTRUCT ALL SUPPLY AND EXHAUST DUCTWORK UPSTREAM OF VAV BOXES IN VARIABLE VOLUME SYSTEMS TO A SMACNA 4" PRESSURE CLASS...
2. CONSTRUCT ALL SUPPLY DUCTWORK DOWNSTREAM OF VAV BOXES RETURN DUCTWORK AND CONSTANT VOLUME SYSTEMS TO A SMACNA 2" PRESSURE CLASS...
3. CONSTRUCT ALL EXHAUST LESS THAN 2 IN. WC STATIC PRESSURE TO A SMACNA 2" PRESSURE CLASS. CONSTRUCT ALL OTHER EXHAUST DUCT SYSTEMS GREATER THAN 2 IN. WC. STATIC PRESSURE TO SMACNA PRESSURE TO SUIT SCHEDULED FAN STATIC PRESSURES.

PHASING NOTES

- 1. REFER TO PHASING DRAWINGS FOR IDENTIFICATION OF PROJECT PHASING...
2. THIS PROJECT CONSISTS OF MULTIPLE PHASES OF CONSTRUCTION OVER A SPECIFIED TIME PERIOD. PROVIDE ALL WORK NECESSARY TO KEEP EXISTING SYSTEMS IN SAFE OPERATION. PROVIDE ISOLATION (SHUTTER) VALVES AT ALL CONNECTION POINTS TO EXISTING SYSTEMS...
3. PRIOR TO THE DISCONNECTION AND REMOVAL OR RELOCATION OF ANY SYSTEM OR SUBSYSTEM, CONTRACTOR SHALL REVIEW AND VERIFY AREAS SERVED BY THE RESPECTIVE SYSTEM TO DETERMINE IF OTHER PARTS OF AREAS TO REMAIN OR TO BE CONSTRUCTED AT DIFFERENT PHASES SHALL NOT BE COMPROMISED. THE INTEGRITY OF THE SYSTEM AND AREA SHALL BE MAINTAINED THROUGHOUT AND AT THE COMPLETION OF THE PROJECT...
4. CONTRACTOR SHALL VERIFY THAT EXISTING EQUIPMENT IS IN PROPER WORKING ORDER PRIOR TO REMOVAL, RELOCATION OR REUSE. CONTRACTOR SHALL SUBMIT ANY DEFICIENCIES NOTED TO CONSTRUCTION MANAGER. OTHERWISE IT IS ASSUMED THAT ALL EQUIPMENT TO BE REUSED IS IN COMPLETE WORKING ORDER AND NO CLAIMS FOR REPAIR AFTER REUSE OR REINSTALLATION WILL BE ACCEPTED.

DRAWING INDEX

Table with columns for SHEET NUMBER, DRAWING TITLE, and MECHANICAL SYMBOLS, DRAWING INDEX, NOTES & ABBREVIATIONS. Lists various drawing sheets from M0.00 to M8.04.

MEP PHASING DRAWING

Table for MEP Phasing Drawing with columns for SHEET NUMBER, DRAWING TITLE, and REVISIONS. Includes drawing title, date, and project information.

HVAC INDOOR PIPING INSULATION					
SYSTEM	PIPE SIZE	CELLULAR GLASS	FLEXIBLE ELASTOMERIC	MINERAL-FIBER TYPE I	CALCIUM SILICATE
CONDENSATE & EQUIPMENT DRAIN WATER BELOW 60°F	ALL	1-1/2"	3/4"	1/2"	-
CHILLED WATER AND BRINE ABOVE 40°F	12" & SMALLER	1-1/2"	1"	1"	-
	14" & LARGER	2"	-	1-1/2"	-
HEATING HOT WATER 5/R, 200°F & BELOW	12" & SMALLER	1-1/2"	-	1"	-
	14" & LARGER	2"	-	1-1/2"	-

- NOTES:
- THICKNESS BASED ON 2003 INTERNATIONAL ENERGY CONSERVATION CODE
 - INSULATE ALL COILS MOUNTED IN DUCTWORK OR VAV BOXES. INSULATION THICKNESS SHALL BE EQUAL TO ASSOCIATED DUCT INSULATION THICKNESS.
 - ALL EXPOSED INDOOR PIPING AND FITTINGS WITHIN OCCUPIED SPACES, CORRIDORS, MECHANICAL ROOMS AND OTHER NON-CONCEALED LOCATIONS SHALL BE PROVIDED WITH PVC FITTING COVERS OVER PRE-MOLDED INSULATION FITTINGS AND PVC PIPE COVERS. PVC FITTING AND PIPE COVERS SHALL BE MANUFACTURED BY JOHNS MANVILLE, MODEL ZESTON 300 SERIES PVC 0.02" THICK OR APPROVED EQUAL. ZESTON 2000 SERIES IS NOT ACCEPTABLE. COVERS AND JACKETING COLOR TO BE SELECTED BY ARCHITECT. PROVIDE TEMPLATE OF JACKET COLORS FOR THE ARCHITECT'S REVIEW.
 - ALL ELBOWS SHALL BE INSULATED WITH PRE-MOLDED, FACTORY FORMED FIBROUS GLASS WITH 3.5 PCF MINIMUM DENSITY AS MANUFACTURED BY HAMFAB OR APPROVED EQUAL AND PVC FITTING COVERS. DIAPER STYLE INSULATION ON PIPE FITTINGS IS NOT ACCEPTABLE.

HVAC OUTDOOR ABOVEGROUND PIPING INSULATION					
SYSTEM	PIPE SIZE	CELLULAR GLASS	FLEXIBLE ELASTOMERIC	MINERAL-FIBER TYPE I	CALCIUM SILICATE
CHILLED WATER AND BRINE	ALL	3"	3"	3"	-
HEATING HOT WATER 5/R, 200°F & BELOW	ALL	3"	-	2"	-
REFRIGERANT SUCTION & HOT GAS FLEXIBLE TUBING	ALL	-	2"	-	-

- NOTES:
- THICKNESS BASED ON 2003 INTERNATIONAL ENERGY CONSERVATION CODE.
 - FOR ALL OUTDOOR PIPING PROVIDE A PRE-MANUFACTURED ALUMINUM JACKET PRODUCT, 0.024" ALUMINUM JACKET LOCK-ON OR SLIP-ON TYPE JACKETING TO BE COVERED WITH ACRYLIC COATING ON THE OUTER SURFACE AND A BAKED EPOXY MOISTURE BARRIER ON THE INNER SURFACE. MANUFACTURER SHALL BE SIMILAR TO CHILDERS PRODUCTS, DIVISION OF ITW, METAL JACKETING SYSTEMS.

HVAC DUCT INSULATION					
SYSTEM	DUCT SIZE	INSULATION TYPE	INSTALLED INSULATION VALUES	NOMINAL DENSITY	
INDOOR DUCT/PLENUM CONCEALED SA, RA, OR OA.	ALL	MINERAL FIBER BLANKET	1-1/2" R-5 MIN	3/4 LB/CF	
		MINERAL FIBER BOARD WITH REFLECTIVE VAPOR BARRIER.	1-1/2" R-5 MIN	2 LB/CF	
INDOOR DUCT/PLENUM EXPOSED SA, RA, OA, IN MECHANICAL ROOMS, ATTICS, OTHER NON-OCCUPIED AND/OR NON-AIR-CONDITIONED SPACES.	ALL	MINERAL FIBER BOARD WITH PAINTABLE VAPOR BARRIER.	2" R-8 MIN	2 LB/CF	
INDOOR DUCT/PLENUM EXPOSED SA OR RA SERVING AIR-CONDITIONED SPACES.	ALL	NONE UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATION.	-	-	
ABOVEGROUND, OUTDOOR DUCT/PLENUM 1. EXPOSED RECTANGULAR, RA, OR OA DUCT. PLUS EXTERIOR PROTECTION INDICATED BELOW.	ALL	MINERAL FIBER BLANKET	2" (R-8 MIN)	3/4 LB/CF	
		MINERAL FIBER BOARD	2" (R-8 MIN)	2 LB/CF	
DUCT LINING FOR EXTERIOR DUCT INSTALLATION: UNCONDITIONED ATTIC SPACES AND CRAWL SPACES.	ALL	FIBROUS-GLASS DUCT LINER WITH CLEANABLE COMPOSITE COATING ON AIRSTREAM SIDE. METAL NOSING SHALL BE FURNISHED ON ALL LEADING AND LEAVING EDGES.	2" R-8 MIN	2 LB/CF	
DUCT LINING FOR INTERIOR DUCT INSTALLATION: EXPOSED AND CONCEALED DUCTWORK WERE INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION. 15 FT DOWNSTREAM OF SUPPLY FANS, RETURN FANS AND VAV BOXES WHETHER INDICATED OR NOT.	ALL	FIBROUS-GLASS DUCT LINER WITH CLEANABLE COMPOSITE COATING ON AIRSTREAM SIDE. METAL NOSING SHALL BE FURNISHED ON ALL LEADING AND LEAVING EDGES.	1-1/2" R-5 MIN	2 LB/CF	
ABOVEGROUND, EXTERIOR DUCT/PLENUM CONCEALED OR EXPOSED SA, RA, OR OA.	ALL	MINERAL FIBER BOARD (REFER TO NOTE #1)	2" R-8 MIN	2 LB/CF	
		CALCIUM SILICATE	4"	-	
FIELD FABRICATED BOILER BREACHING CONCEALED OR EXPOSED BOILER BREACHING & CONNECTORS.	ALL	HIGH-TEMP MINERAL FIBER BLANKET	3"	3 LB/CF	
		HIGH-TEMP MINERAL FIBER BOARD	3"	3 LB/CF	
PLASMA CUTTER EXHAUST CONCEALED OR EXPOSED	ALL	HIGH TEMP FIRE WRAP, MULTIPLE LAYERS FOR 2HR RATING	-	-	

- NOTE: RESISTANCE VALUES BASED ON 2003 INTERNATIONAL ENERGY CONSERVATION CODE. RESISTANCE VALUES MAY EXCEED THE MINIMUM CODE VALUES.
- FOR OUTDOOR DUCTWORK PROVIDE A PRE-MANUFACTURED SELF ADHERING PRODUCT WITH AN UV RESISTANT, STUCCO EMBOSSED FACING. WATER VAPOR TRANSMISSION OF THE INSTALLED PRODUCT SHALL BE .020 PERMS OR LESS. PRODUCT SHALL BE SUITABLE FOR CONTINUOUS USE IN LOW TEMPERATURES OF -10°F. MANUFACTURERS SHALL BE SIMILAR TO FLEX-CLAD 400, MTM BUILDING PRODUCTS CORP. OR ALUMAGUARD 60, POLYGLAD PRODUCTS, INC.
 - INSULATION TYPES INDICATED IN THE SCHEDULE SHALL USED UNLESS OTHERWISE INDICATED ON THE PLANS OR SPECIFICATIONS.

SA = SUPPLY AIR DUCTWORK
RA = RETURN AIR DUCTWORK
OA = OUTDOOR AIR DUCTWORK

HVAC EQUIPMENT INSULATION			
SYSTEM	INSULATION TYPE	INSULATION THICKNESS	NOMINAL DENSITY
CHILLERS: INSULATE COLD SURFACES ON CHILLERS INCLUDING BUT NOT LIMITED TO EVAPORATOR BUNDLES, CONDENSER BUNDLES, HEAT-RECOVERY BUNDLES (IF APPLICABLE), SUCTION PIPING, COMPRESSOR INLETS, TUBE SHEETS, WATER BOXES AND NOZZLES.	CELLULAR GLASS	2"	-
	FLEXIBLE ELASTOMERIC	1"	-
	MINERAL-FIBER BOARD	1"	2 LB/CF
	MINERAL-FIBER PIPE & TANK	1"	-
CHILLED WATER PUMP	CELLULAR GLASS	3"	-
	MINERAL-FIBER BOARD	2"	2 LB/CF
HEATING HOT WATER PUMP	CALCIUM SILICATE	3"	-
	CELLULAR GLASS	3"	-
	MINERAL-FIBER BOARD	2"	2 LB/CF
CHILLED WATER EXPANSION/ COMPRESSION TANK	CELLULAR GLASS	1-1/2"	-
	FLEXIBLE ELASTOMERIC	1"	-
	MINERAL-FIBER BOARD	1"	2 LB/CF
	MINERAL-FIBER PIPE & TANK	1"	-
HEATING HOT WATER EXPANSION/ COMPRESSION TANK	CALCIUM SILICATE	2"	-
	CELLULAR GLASS	1-1/2"	-
	MINERAL-FIBER BOARD	1"	2 LB/CF
	MINERAL-FIBER PIPE & TANK	1"	-
CHILLED WATER, AIR SEPARATOR	CELLULAR GLASS	1-1/2"	-
	FLEXIBLE ELASTOMERIC	1"	-
	MINERAL-FIBER BOARD	1"	2 LB/CF
	MINERAL-FIBER PIPE & TANK	1"	-
HEATING HOT WATER AIR SEPARATOR	CALCIUM SILICATE	3"	-
	CELLULAR GLASS	3"	-
	MINERAL-FIBER BOARD	2"	2 LB/CF
	MINERAL-FIBER PIPE & TANK	2"	-

- NOTES:
- THICKNESS BASED ON ASHRAE 90.1, 2001.
 - INDOOR & OUTDOOR FIELD APPLIED JACKETS FOR CONCEALED AND EXPOSED EQUIPMENT SHALL BE PRE-MANUFACTURED ALUMINUM JACKET PRODUCT, 0.024" ALUMINUM JACKET LOCK-ON OR SLIP-ON TYPE JACKETING TO BE COVERED WITH ACRYLIC COATING ON THE OUTER SURFACE AND A BAKED EPOXY MOISTURE BARRIER ON THE INNER SURFACE. MANUFACTURER SHALL BE SIMILAR TO CHILDERS PRODUCTS, DIVISION OF ITW, METAL JACKETING SYSTEMS.

HVAC DUCT MATERIAL			
APPLICATION	SUPPLY	RETURN	EXHAUST
TYPICAL (UNLESS OTHERWISE SPECIFIED)	G90 GALVANIZED STEEL	G90 GALVANIZED STEEL	G90 GALVANIZED STEEL
OUTDOOR AIR INTAKE PLENUM	G90 GALVANIZED STEEL	-	-
OUTDOOR AIR	G90 GALVANIZED STEEL	-	-
TOILET ROOMS, SHOWER ROOMS, CLOTHES DRYER EXHAUST DUCTWORK AND PLENUMS. ALL DUCTWORK RUNNING THROUGH OR OVER SHOWER ROOMS.	3003 H-14 ALUMINUM	-	3003 H-14 ALUMINUM
EXPOSED DUCTWORK IN AIR-CONDITIONED SPACES TO BE FIELD PAINTED NOTE 1	A60 GALVANNEALED STEEL	A60 GALVANNEALED STEEL	A60 GALVANNEALED STEEL
EXPOSED DUCTWORK IN AIR-CONDITIONED SPACES	G90 GALVANIZED STEEL	G90 GALVANIZED STEEL	G90 GALVANIZED STEEL
LAB HOOD	-	-	STAINLESS STEEL

DUCT CONSTRUCTION STANDARDS SHALL MEET SMCNA METAL & FLEXIBLE 2005 3RD EDITION
NOTE: 1. ALL DUCTWORK EXPOSED IN SHOPS SHALL BE FIELD PAINTED WHETHER INSULATED OR NOT.
NOTE 2. DUCTWORK EXPOSED IN SHOPS SHALL BE MILL PHOSPHATIZED TO ALLOW FOR FIELD PAINTING.

HVAC OUTDOOR UNDERGROUND PIPING INSULATION			
SYSTEM	PIPE SIZE	CELLULAR GLASS	CALCIUM SILICATE
CHILLED WATER AND BRINE	ALL	2"	2"
HEATING HOT WATER 5/R, 200°F & BELOW	ALL	3"	3"
STEAM & STEAM COND, 350°F & BELOW	ALL	4"	4"

- NOTES: 1. THICKNESS BASED ON ASHRAE 90.1, 2001.
2. FOR ALL BURIED PIPING PROVIDE A PRE-MANUFACTURED ALUMINUM JACKET PRODUCT, 0.024" ALUMINUM JACKET LOCK-ON OR SLIP-ON TYPE JACKETING TO BE COVERED WITH ACRYLIC COATING ON THE OUTER SURFACE AND A BAKED EPOXY MOISTURE BARRIER ON THE INNER SURFACE. MANUFACTURER SHALL BE SIMILAR TO CHILDERS PRODUCTS, DIVISION OF ITW, METAL JACKETING SYSTEMS.

HVAC VIBRATION-CONTROL AND SEISMIC-RESTRAINT DEVICE SCHEDULE				
EQUIPMENT	BASE	ISOLATOR	SEISMIC RESTRAINT	DEFLECTION
AIR COOLED CHILLER	-	FPC, FSNTL	WELD OR BOLT ISOLATORS	2"
END-SUCTION PUMPS	BIB	FPC	SNUBBERS	3/4"
INLINE PUMPS	-	HSN	CABLE RESTRAINTS	1"
ROOF MOUNTED HV UNITS	RC2	INTERGAL	SEISMIC RESTRAINT INTEGRAL TO ROOF CURB. CURB TO BE ATTACHED TO STRUCTURE.	2"
CONDENSING UNITS	EQUIPMENT RAILS	FSNTL	LAG BOLT TO RAIL. RAIL TO BE ATTACHED TO STRUCTURE.	1"
SUSPENDED UNIT HEATERS	-	HN	CABLE RESTRAINTS	0.25"
VAV BOXES > 50LB IN WEIGHT	-	-	CABLE RESTRAINTS	-
SUSPENDED INLINE FANS	-	HSN	CABLE RESTRAINTS	1.5"
INDOOR AHU'S, FLOOR MOUNTED	4" HOUSEKEEPING PAD	NP	RESILIENT ISOLATION WASHERS AND MECHANICAL ANCHOR BOLTS	0.2"
INDOOR AHU'S, CEILING MOUNTED	-	HSN	CABLE RESTRAINTS	1.2"
FAN COIL UNITS, CEILING MOUNTED	-	HSN	CABLE RESTRAINTS	1.2"
FAN POWERED VAV UNITS	-	HN	CABLE RESTRAINTS	0.25"
ROOF MOUNTED FANS	SRC	-	-	-
PIPING WITHIN 50FT OF ROTATING EQUIP	-	HSN	-	1.2"
PIPING WITHIN 50FT OF CHILLER	-	HSN	-	1.5"
DUCTWORK IN MECH. ROOMS OR WITHIN 50FT OF CONNECTED VIBRATION-ISOLATED EQUIPMENT	-	HN	-	0.25"
BOILERS	-	-	SNUBBERS	-
DUST COLLECTORS	CONCRETE	-	SNUBBERS	-
PIPE TO PUMP CONNECTION	-	FPC-SS	-	-

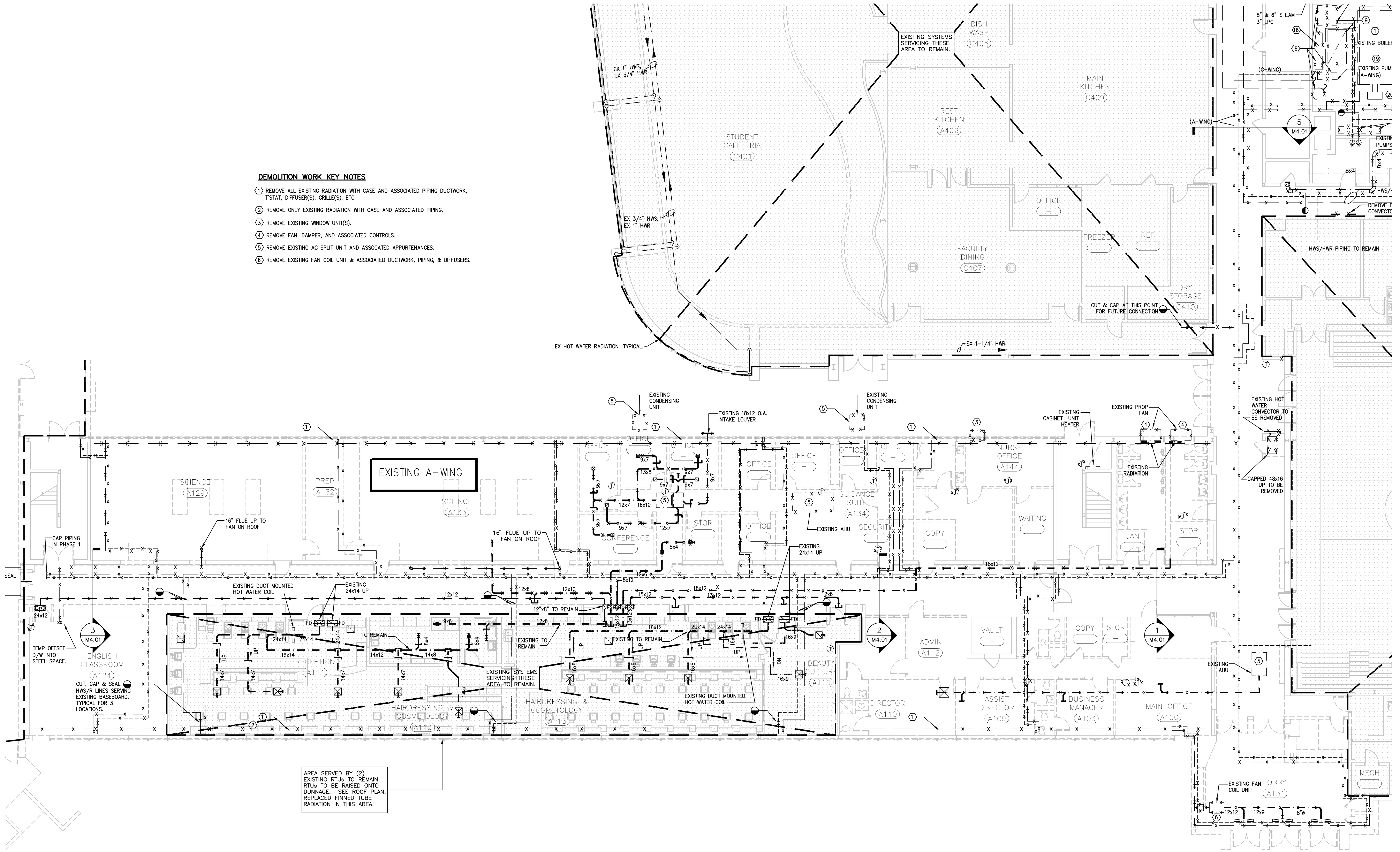
REMARKS:
1. SEE SPEC SECTION 15074 - "VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT" FOR A DESCRIPTION OF EACH VIBRATION CONTROL DEVICE.
2. (NP) - NEOPRENE PAD, (DNP) - DOUBLE NEOPRENE PAD, (FNC) - FLOOR NEOPRENE RESTRAINED MOUNTS, (FSN) - FLOOR SPRING AND NEOPRENE SPRING ISOLATOR, (FSNTL) - FLOOR SPRING AND NEOPRENE TRAVEL LIMITED RESTAINED SPRING ISOLATOR, (HN) - NEOPRENE HANGER, (HSN) - SPRING AND NEOPRENE HANGER, (RC2) - ROOF CURB, TYPE 2, (BSF) - BASE, STEEL FRAME, (BIB) - BASE, INERTIA BASE, (FPC) - FLEXIBLE PIPE CONNECTIONS, (SRC) - SEISMIC ROOF CURB.

* IN ADDITION TO INTERNAL VIBRATION ISOLATION IN AIR HANDLER FAN SECTION(S).
** SYSTEM SHALL BE DESIGNED FOR 90% EFFICIENCY.

BUILDING FLUSHOUT (REFER TO DIVISION 1 FOR ADDITIONAL REQUIREMENTS)	
1.	AFTER CONSTRUCTION ENDS, PRIOR TO OCCUPANCY AND WITH ALL INTERIOR FINISHES INSTALLED, PERFORM A BUILDING FLUSH-OUT BY SUPPLYING A TOTAL AIR VOLUME OF 14000 CU FT OF OUTDOOR AIR PER SQ FT OF FLOOR AREA WHILE MAINTAINING AN INTERNAL TEMPERATURE OF AT LEAST 60 DEGREES F AND RELATIVE HUMIDITY NO HIGHER THAN 60 PERCENT. IN AREAS THAT ARE NOT AIR CONDITIONED 60% RELATIVE HUMIDITY THRESHOLD DOES NOT APPLY.
2.	IF BUILDING OCCUPANCY IS TO OCCUR BEFORE COMPLETION OF THE FLUSH-OUT, DELIVER A MINIMUM OF 3500 CU FT OF OUTDOOR AIR PER SQ FT OF FLOOR AREA TO THE SPACE. ONCE THE SPACE IS OCCUPIED, VENTILATE IT AT A MINIMUM RATE OF 0.30 CFM/SQ FT OF OUTSIDE AIR OR THE DESIGN MINIMUM OUTSIDE AIR RATE DETERMINED IN ACCORDANCE WITH SECTIONS 4 THROUGH 7 OF ASHRAE 62.1 OR APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT. DURING EACH DAY OF THE FLUSH-OUT PERIOD, BEGIN VENTILATION A MINIMUM OF THREE (3) HOURS PRIOR TO OCCUPANCY AND CONTINUE DURING OCCUPANCY. MAINTAIN THESE CONDITIONS UNTIL A TOTAL OF 14000 CU FT/SQ FT OF OUTSIDE AIR HAS BEEN DELIVERED TO THE SPACE.
3.	USE OF THE NEWLY INSTALLED HVAC SYSTEMS CAN BE USED FOR FLUSHOUT. PRIOR TO USE ALL RETURN GRILLES AND OPEN ENDED RETURN/EXHAUST DUCTS MUST BE COVERED AND PROTECTED WITH A MERV 8 MINIMUM FILTER FABRIC. CONTRACTOR SHALL KEEP SYSTEM CLEAN AND PREVENT CONSTRUCTION DUST AND DERBIES FROM ENTERING SYSTEM. REMOVE TEMPORARY FILTERS AFTER FLUSHOUT COMPLETE.
4.	NOTE NOT ALL SYSTEMS ARE DESIGNED TO MEET THE TEMPERATURE AND HUMIDITY LIMITS DESCRIBED ABOVE. UNITS THAT ARE 100% OUTSIDE AIR CAN SATISFY CONDITIONS. UNITS THAT SERVED CONDITIONED SPACE THAT REQUIRE 100% OUTSIDE AIR MUST BE SUPPLEMENTED WITH CONTRACTOR SUPPLIED EQUIPMENT TO MAINTAIN TEMPERATURE LIMITATIONS.
5.	CONTRACTOR TO SUBMIT A NARRATIVE FOR EACH SPACE AND SYSTEM DESCRIBING THE FLUSHOUT PROCEDURE AND ESTIMATED DURATION OF TIME TO COMPLETE THE FLUSHOUT. CONSTRUCTION ACTIVITIES MUST TAKE INTO ACCOUNT TIME TO COMPLETE FLUSHOUT TO OCCUPANCY. COMPLETE FLUSHOUT PRIOR TO COMMISSIONING ACTIVITIES.
6.	AFTER FLUSHOUT COMPLETE CONTRACTOR SHALL PROVIDE A NEW SET OF FILTERS. PRIOR TO FLUSHOUT REPLACE THE PREFILTERS IN EACH UNIT. IF ONLY PREFILTERS EXISTS THEN THEY SHALL BE CHANGED. CONTRACTOR TO CARRY REQUIRED AMOUNT OF FILTERS.

Drawing Title MECHANICAL SYMBOLS, DRAWING INDEX, NOTES & ABBREVIATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
Mark			
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No.
CAD No. 0532 MCOVERSHEET.DWG		Project No. BI-RT-843	MO.01

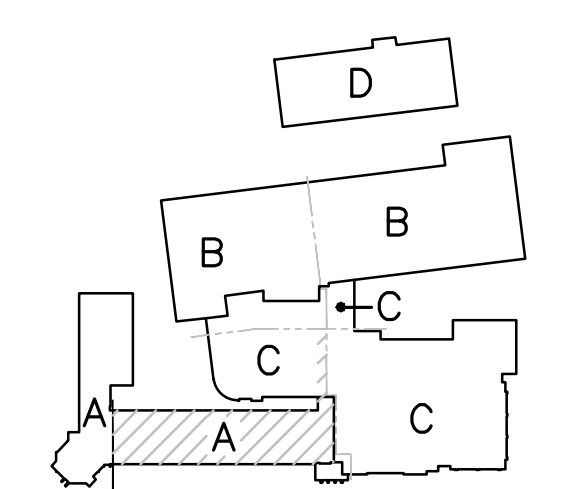
- DEMOLITION WORK KEY NOTES**
- ① REMOVE ALL EXISTING RADIATION WITH CASE AND ASSOCIATED PIPING DUCTWORK, TSTAT, DIFFUSER(S), GRILLE(S), ETC.
 - ② REMOVE ONLY EXISTING RADIATION WITH CASE AND ASSOCIATED PIPING.
 - ③ REMOVE EXISTING WINDOW UNIT(S).
 - ④ REMOVE FAN, DAMPER, AND ASSOCIATED CONTROLS.
 - ⑤ REMOVE EXISTING AC SPLIT UNIT AND ASSOCIATED APPURTENANCES.
 - ⑥ REMOVE EXISTING FAN COIL UNIT & ASSOCIATED DUCTWORK, PIPING, & DIFFUSERS.

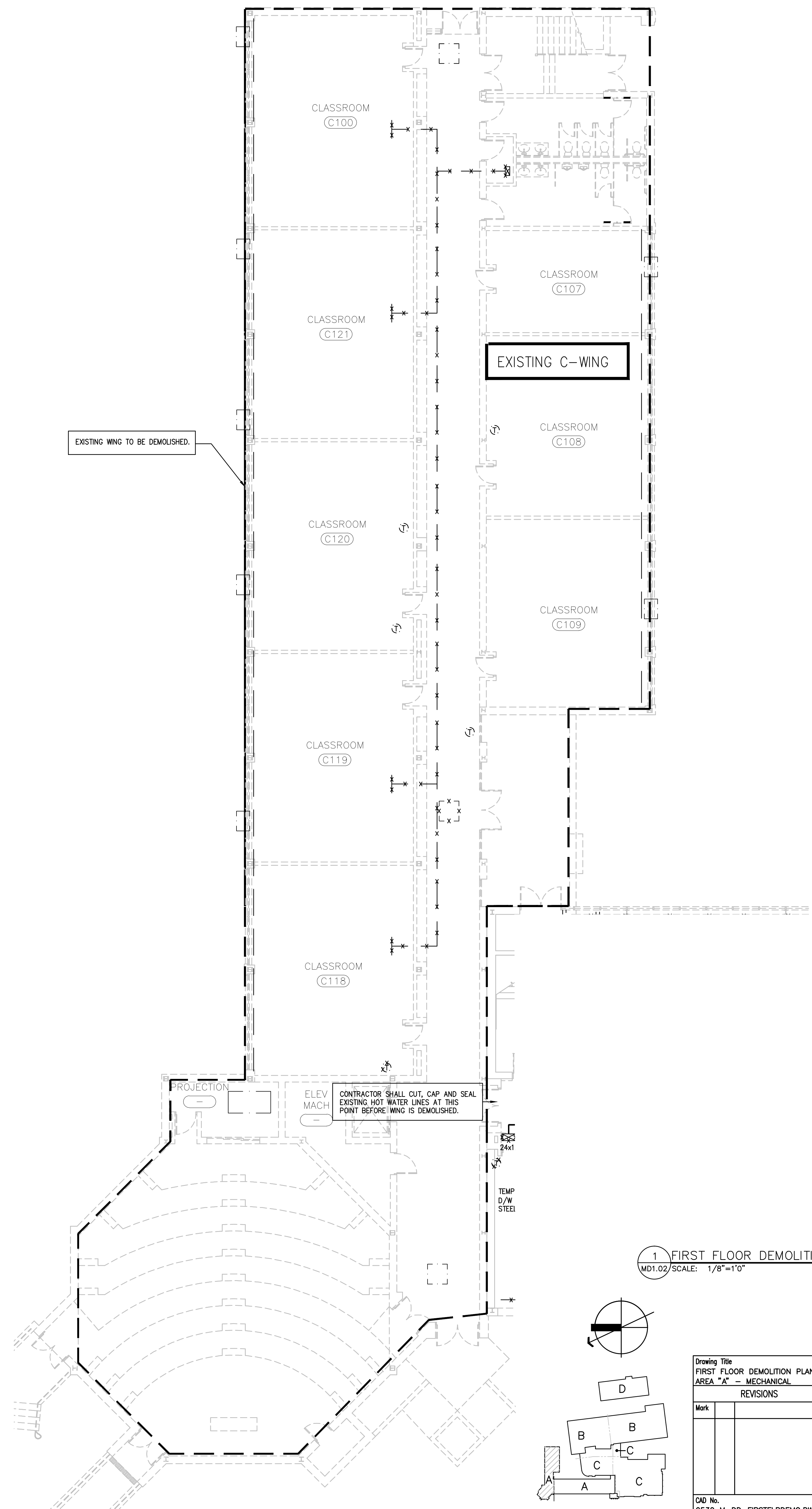


1 FIRST FLOOR DEMOLITION PLAN - AREA "A" & "C"
 MD1.01 SCALE: 1/8" = 1'-0"

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN AREA "A" & "C" - MECHANICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			

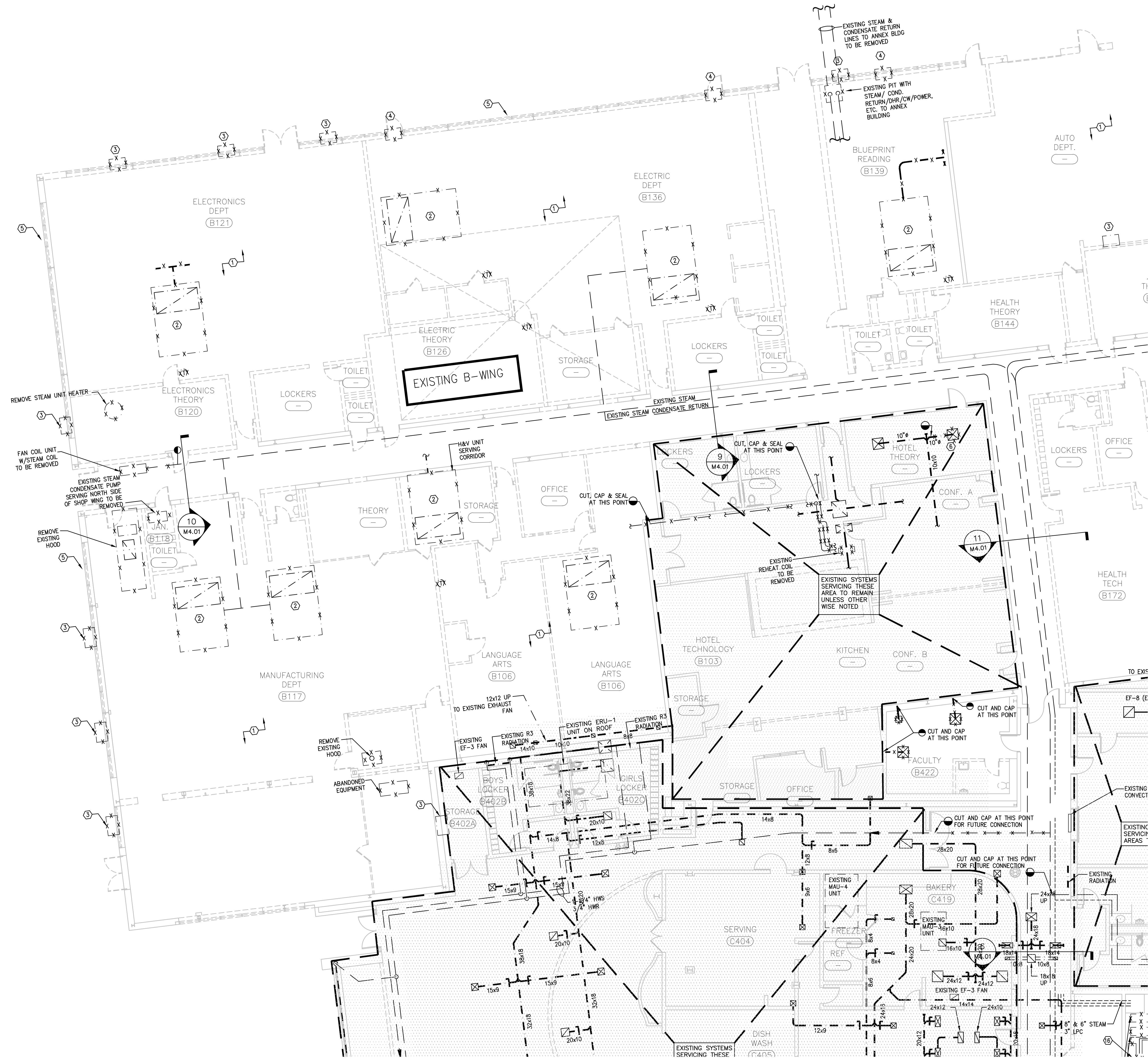
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8" = 1'-0"
Drawn By RDV	Approved By CFR
CAD No. 0532 M-DD-FIRSTFLRDEMO.DWG	Drawing No. MD1.01





1 FIRST FLOOR DEMOLITION PLAN - AREA "A"
 MD1.02 SCALE: 1/8"=1'-0"

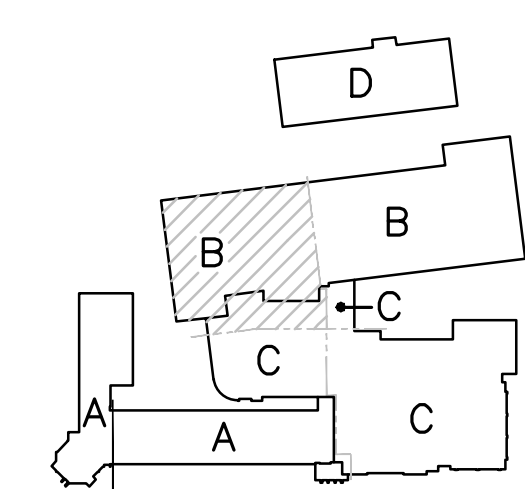
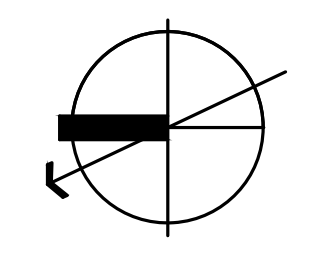
Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "A" - MECHANICAL			
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No. MD1.02
CAD No. 0532 M-DD-FIRSTFLRDEMO.DWG		Project No. BI-RT-843	



- DEMOLITION WORK KEY NOTES**
- ① DISCONNECT & REMOVE ALL MECHANICAL EQUIPMENT, PIPING, CONTROLS, DUCTWORK, ETC. IN THE ENTIRE SHOP WING. SEE PIPING DWGS FOR SEQUENCE.
 - ② REMOVE ALL H & V UNITS, DUCTWORK, PIPING, EXHAUST FANS, INTAKE PENTHOUSES. COMPLETE IN THIS AREA.
 - ③ REMOVE EXISTING WINDOW UNIT(S).
 - ④ REMOVE FAN, DAMPER, & ASSOCIATED CONTROLS.
 - ⑤ CONTRACTOR TO MAINTAIN ALL MECHANICAL SERVICES TO SHOP WING DURING THE ENTIRE CONSTRUCTION PERIOD WHERE SPACE BEING UTILIZED AS SWING SPACE. PROVIDE TEMPORARY THERMOSTATS TO MAINTAIN HEATING AND/OR AIR CONDITIONING WHERE IT EXISTS. REFER TO PHASING DRAWINGS.
 - ⑥ CUT, CAP, & SEAL DUCTWORK AIRTIGHT.

NOTE
 CONTRACTOR TO MAINTAIN ALL MECHANICAL SERVICES TO SHOP WING DURING THE ENTIRE CONSTRUCTION PERIOD TO COORDINATE WITH PHASING. PROVIDE TEMPORARY THERMOSTATS TO MAINTAIN HEATING AND/OR AIR CONDITIONING WHERE IT EXISTS. REFER TO PHASING DRAWINGS.

1 FIRST FLOOR DEMOLITION PLAN - AREA "B" & "C"
 MD1.03/SCALE: 1/8"=1'-0"



Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Drawn By RDU	Approved By CFR
		Project No. BI-RT-843	Drawing No. MD1.03
CAD No. 0532 M-DD-FIRSTFLRDEMO.DWG			

DEMOLITION WORK KEY NOTES

- ① DISCONNECT & REMOVE ALL MECHANICAL EQUIPMENT, PIPING, CONTROLS, DUCTWORK, ETC. IN THE ENTIRE SHOP WING. SEE PIPING DWGS FOR SEQUENCE.
- ② REMOVE ALL H & V UNITS, DUCTWORK, PIPING, EXHAUST FANS, INTAKE PENTHOUSES, COMPLETE IN THIS AREA.
- ③ REMOVE EXISTING WINDOW UNIT(S).
- ④ REMOVE FAN, DAMPER, & ASSOCIATED CONTROLS.
- ⑤ CONTRACTOR TO MAINTAIN ALL MECHANICAL SERVICES TO SHOP WING DURING THE ENTIRE CONSTRUCTION PERIOD WHERE SPACE BEING UTILIZED AS SHOP SPACE. PROVIDE TEMPORARY THERMOSTATS TO MAINTAIN HEATING AND/OR AIR CONDITIONING WHERE IT EXISTS. REFER TO PHASING DRAWINGS.
- ⑥ CUT, CAP, & SEAL DUCTWORK AIRTIGHT.

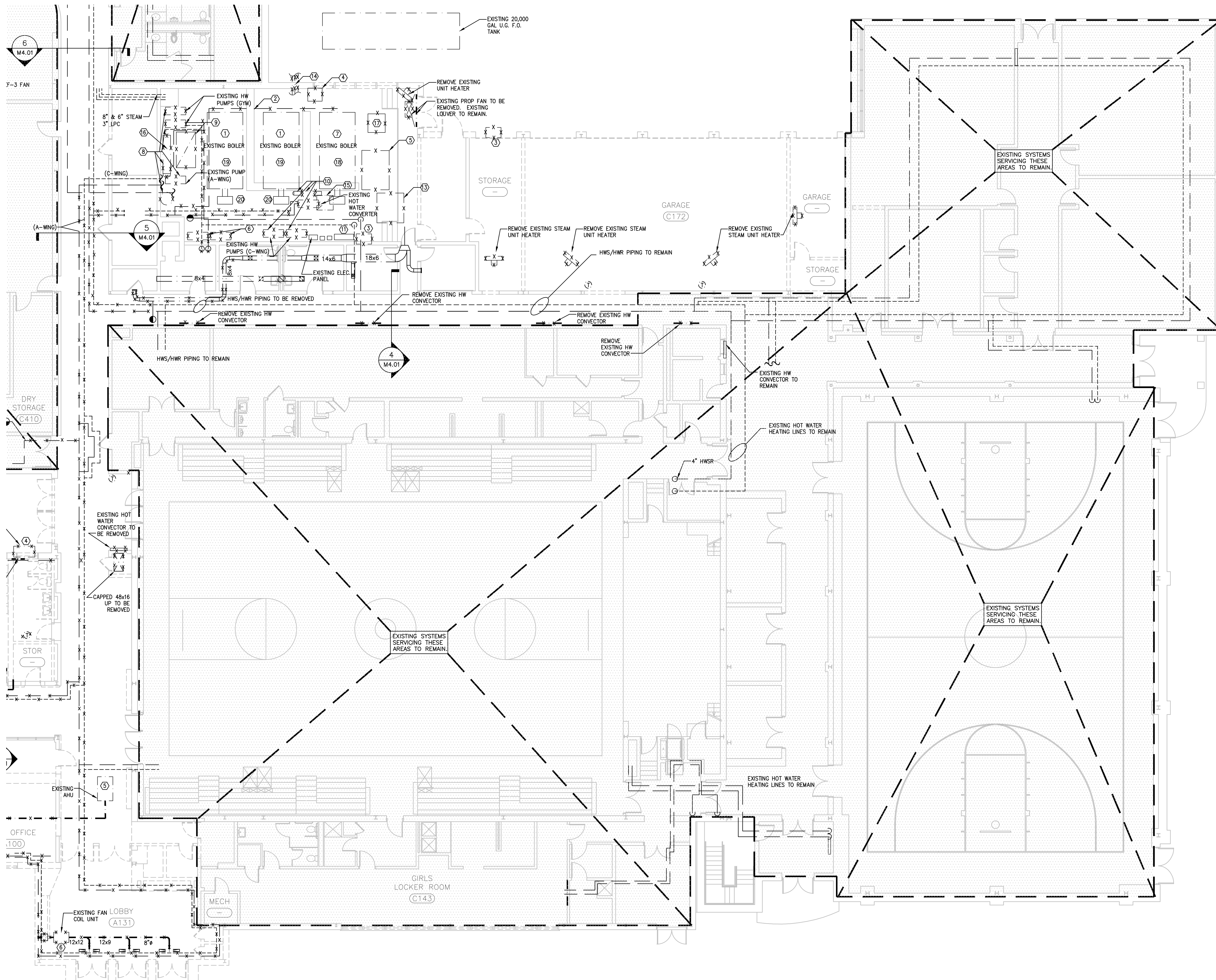
NOTE

CONTRACTOR TO MAINTAIN ALL MECHANICAL SERVICES TO SHOP WING DURING THE ENTIRE CONSTRUCTION PERIOD TO COORDINATE WITH PHASING. PROVIDE TEMPORARY THERMOSTATS TO MAINTAIN HEATING AND/OR AIR CONDITIONING WHERE IT EXISTS. REFER TO PHASING DRAWINGS.



1 FIRST FLOOR DEMOLITION PLAN - AREA "B" & "C"
MD1.04/SCALE: 1/8"=1'-0"

Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - MECHANICAL			
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No. MD1.04
CAD No. 0532 M-DD-FIRSTFLRDEMO.DWG	Project No. BI-RT-843		

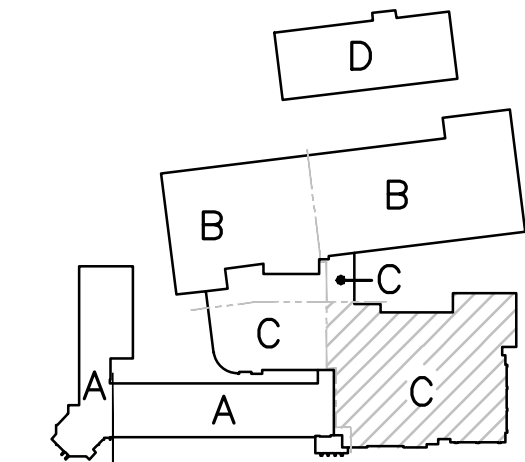
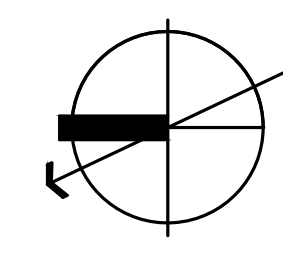


DEMOLITION WORK KEY NOTES

- 1 EXISTING STEAM BOILER TO BE CONVERTED TO HOT WATER. SEE NEW CONSTRUCTION PART PLAN.
- 2 EXISTING BOILER BREECING TO BE REMOVED.
- 3 REMOVE EXISTING WINDOW UNIT(S).
- 4 EXISTING F.O. PUMP SET TO BE REMOVED, INCLUDING ALL FUEL OIL SUPPLY AND RETURN PIPING IN PIT, EXISTING FUEL OIL PUMPS AT BOILER TO REMAIN, REFER TO DETAIL 10 & 11/M7.04 FOR NEW WORK.
- 5 EXISTING BOILER FEED TANK TO BE REMOVED AFTER STEAM SYSTEM IS DISABLED.
- 6 EXISTING PNEUMATIC CONTROLS TO BE MAINTAINED UNTIL THE COMPLETION OF CONSTRUCTION AND REMOVED AFTER THE NEW CONTROL SYSTEM IS COMPLETE. EXISTING AIR COMPRESSOR AND PNEUMATIC CONTROL PANELS TO BE REMOVED.
- 7 EXISTING OBSOLETE BOILER TO BE REMOVED COMPLETE INCLUDING ALL PIPING, CONTROLS, STEAM & CONDENSATE PIPING, BREACHING, ETC.
- 8 EXISTING STEAM-TO-HOT WATER CONVERTER, EXPANSION TANK, HOT WATER PUMP SERVING EXISTING A-WING AND HOT WATER PUMPS SERVING GYM AREAS TO BE REMOVED.
- 9 ABANDONED COMBUSTION INTAKE TO BE CAPPED. INTAKE CAP ON ROOF TO BE REMOVED.
- 10 EXISTING STEAM-TO-HOT WATER CONVERTER, EXPANSION TANK, HOT WATER PUMPS SERVING EXISTING C-WING TO BE REMOVED.
- 11 EXISTING AUTOMATED LOGIC ROOMS CONTROL PANEL.
- 12 EXISTING DISCONNECT SWITCHES FOR EXISTING BOILER 1 & 2.
- 13 EXISTING CEILING HUNG FAN COIL UNIT & DUCTWORK W/ STEAM HEATING COIL TO BE REMOVED.
- 14 REMOVE EXISTING FUEL OIL SUPPLY AND RETURN PIPING, FUEL OIL LEVEL AND LEAK DETECTION PANEL.
- 15 EXISTING EXHAUST FAN TO BE REMOVED.
- 16 EXISTING OLD COMPRESSOR TO BE REMOVED.
- 17 EXISTING CONTROL AIR COMPRESSOR TO BE REMOVED IN PHASE III. RETAIN UNTIL ALL PNEUMATIC CONTROLS ARE NO LONGER NEEDED.
- 18 INFILL SECTION OF PIT WHEN NEW BOILER BEING INSTALLED. REMOVE ALL OLD FUEL OIL PIPING & CAP.
- 19 REMOVE ALL FUEL OIL PIPING FROM EXISTING FUEL OIL PUMPS TO BOILERS COMPLETE INCLUDING BOILER FUEL OIL PUMPS.
- 20 REMOVE EXISTING BURNERS, CONTROLS, PIPING, ETC. TO ALLOW FOR NEW BURNERS ON EXISTING BOILERS.

PHASING NOTES
 COORDINATE WITH OTHER TRADES AND CONSTRUCTION SCHEDULE PRIOR TO START AND COMPLETION OF DEMOLITION IN BOILER ROOM AS WELL AS SYSTEMS THROUGHOUT THE BUILDING. THE STEAM SYSTEM AND PNEUMATIC CONTROL SYSTEMS MUST REMAIN ACTIVE TO PROVIDE HEAT AND CONTROLS TO AREAS WHICH ARE TO REMAIN UNTIL THEY ARE SCHEDULED FOR RENOVATION OR DEMOLITION. REFER TO KEY NOTES FOR AREAS UTILIZING

1 FIRST FLOOR DEMOLITION PLAN - AREA "C"
 MD1.05 SCALE: 1/8"=1'-0"



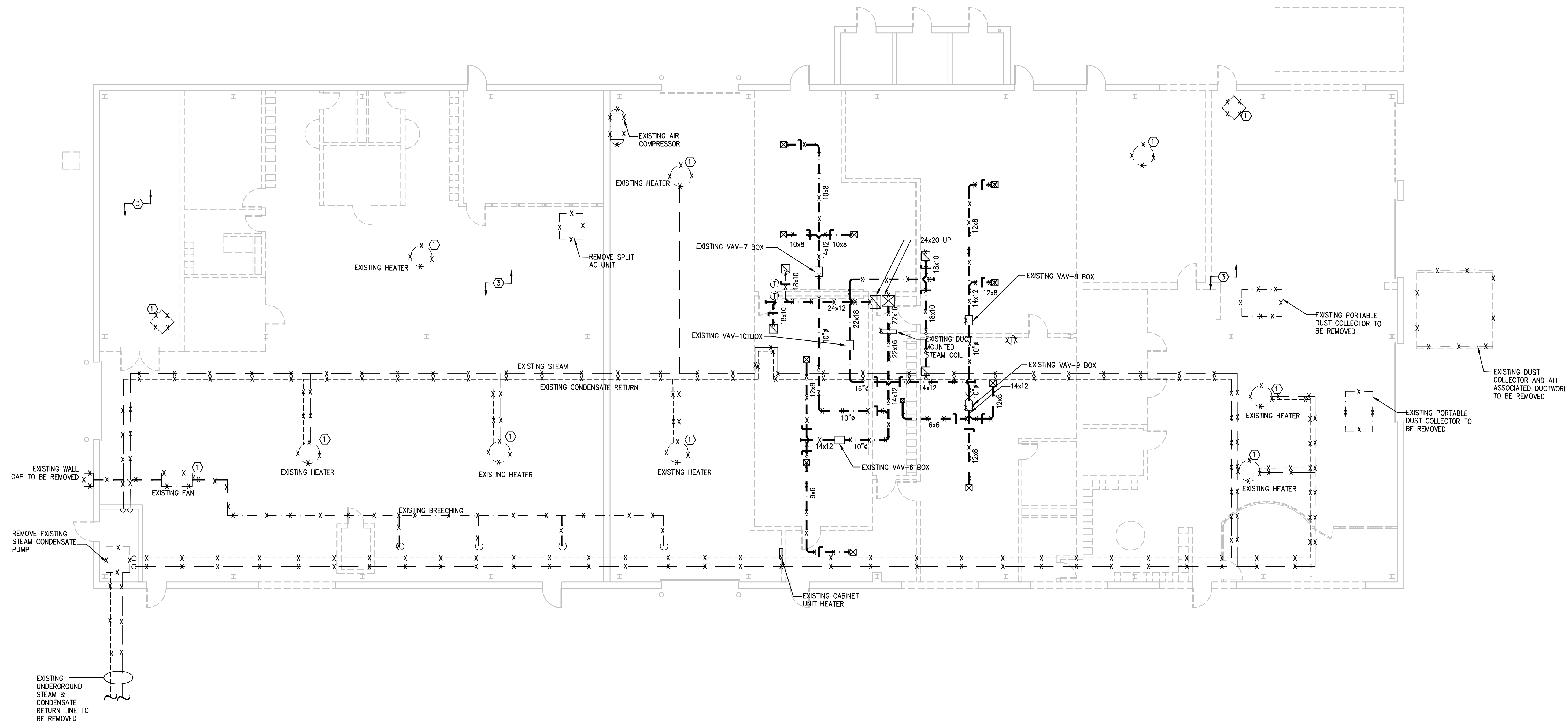
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "C" - MECHANICAL		REVISIONS	
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
			Drawn By RDV
			Approved By CFR
			Drawing No. MD1.05
CAD No. 0532 M-DD-FIRSTFLRDEMO.DWG		Project No. BI-RT-843	

DEMOLITION WORK KEY NOTES

- ① EXISTING STEAM UNIT HEATERS TO BE REMOVED.
- ② REMOVE EXISTING ROOFTOP UNIT & ASSOCIATED DUCTWORK, DIFFUSERS, GRILLES, STEAM COIL, & OTHER APPLIANCES.
- ③ REMOVE ALL EXHAUST FANS, DUCTWORK, FLUES & CONTROLS.

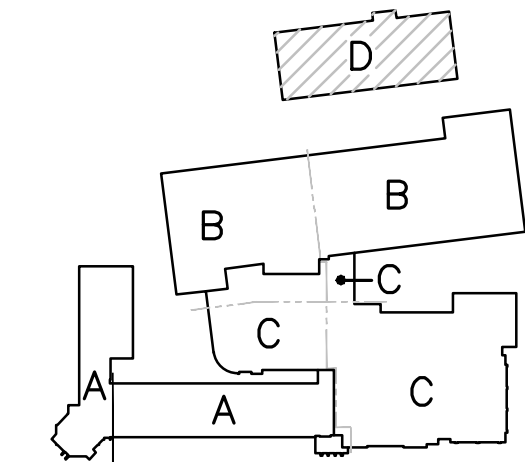
NOTE

CONTRACTOR TO MAINTAIN ALL MECHANICAL SERVICES TO ANNEX BUILDING DURING THE ENTIRE CONSTRUCTION WHERE SPACE IS BEING USED AS WING SPACE. REFER TO PHASING DRAWINGS.



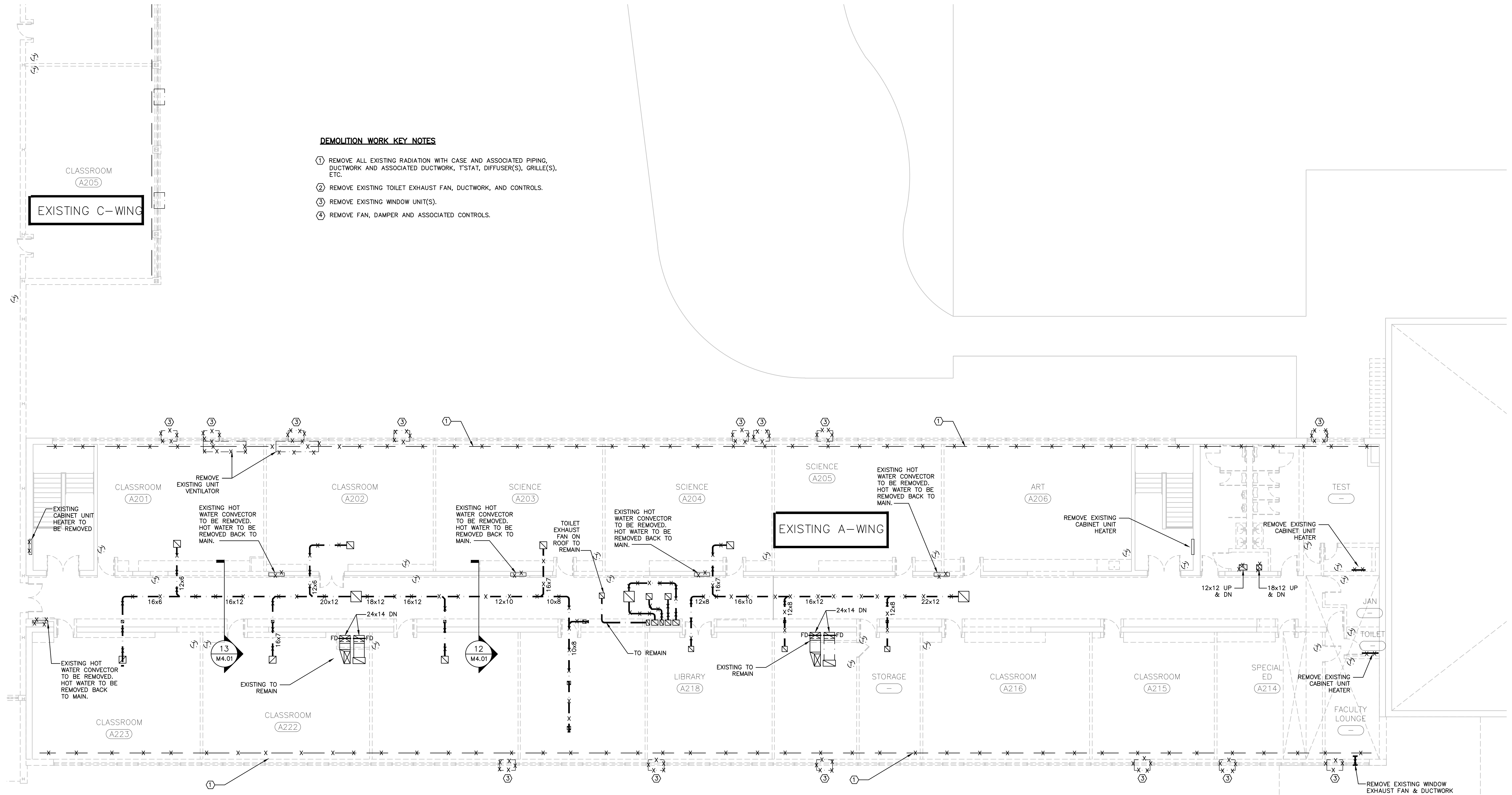
1 FIRST FLOOR DEMOLITION PLAN - ANNEX BUILDING - AREA "D"
MD1.06/SCALE: 1/8"=1'-0"

Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "D" - MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By RDV	Approved By CFR
CAD No. 0532 M-DD-FIRSTFLRDEMO.DWG		Project No. BI-RT-843	Drawing No. MD1.06

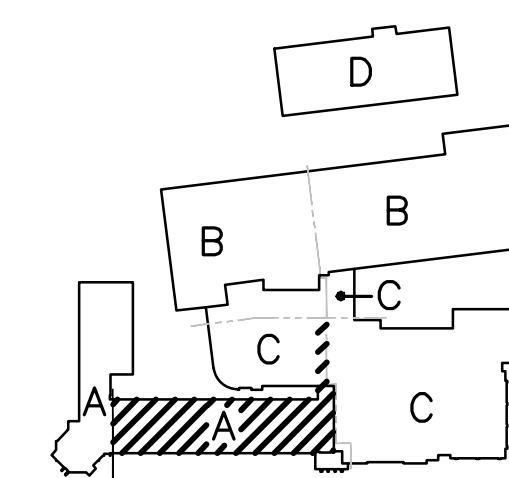
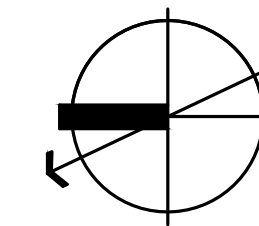


DEMOLITION WORK KEY NOTES

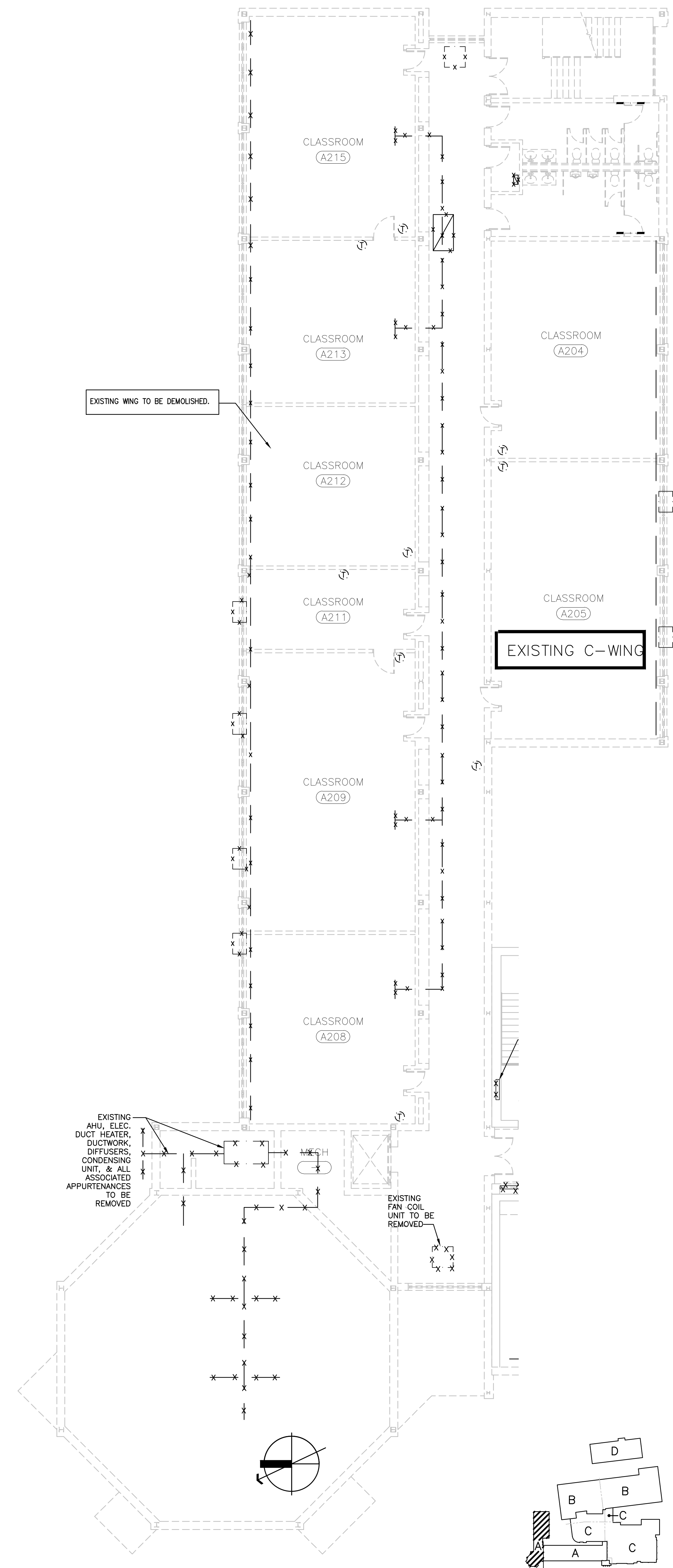
- ① REMOVE ALL EXISTING RADIATION WITH CASE AND ASSOCIATED PIPING, DUCTWORK AND ASSOCIATED DUCTWORK, T'STAT, DIFFUSER(S), GRILLE(S), ETC.
- ② REMOVE EXISTING TOILET EXHAUST FAN, DUCTWORK, AND CONTROLS.
- ③ REMOVE EXISTING WINDOW UNIT(S).
- ④ REMOVE FAN, DAMPER AND ASSOCIATED CONTROLS.



1 SECOND FLOOR DEMOLITION PLAN - AREA "A"
 MD1.07 SCALE: 1/8"=1'0"

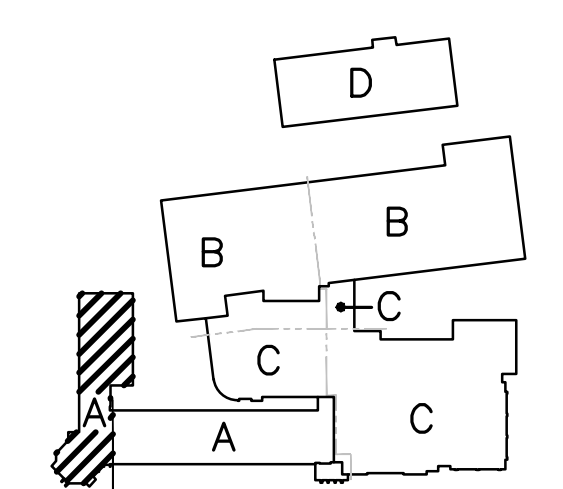


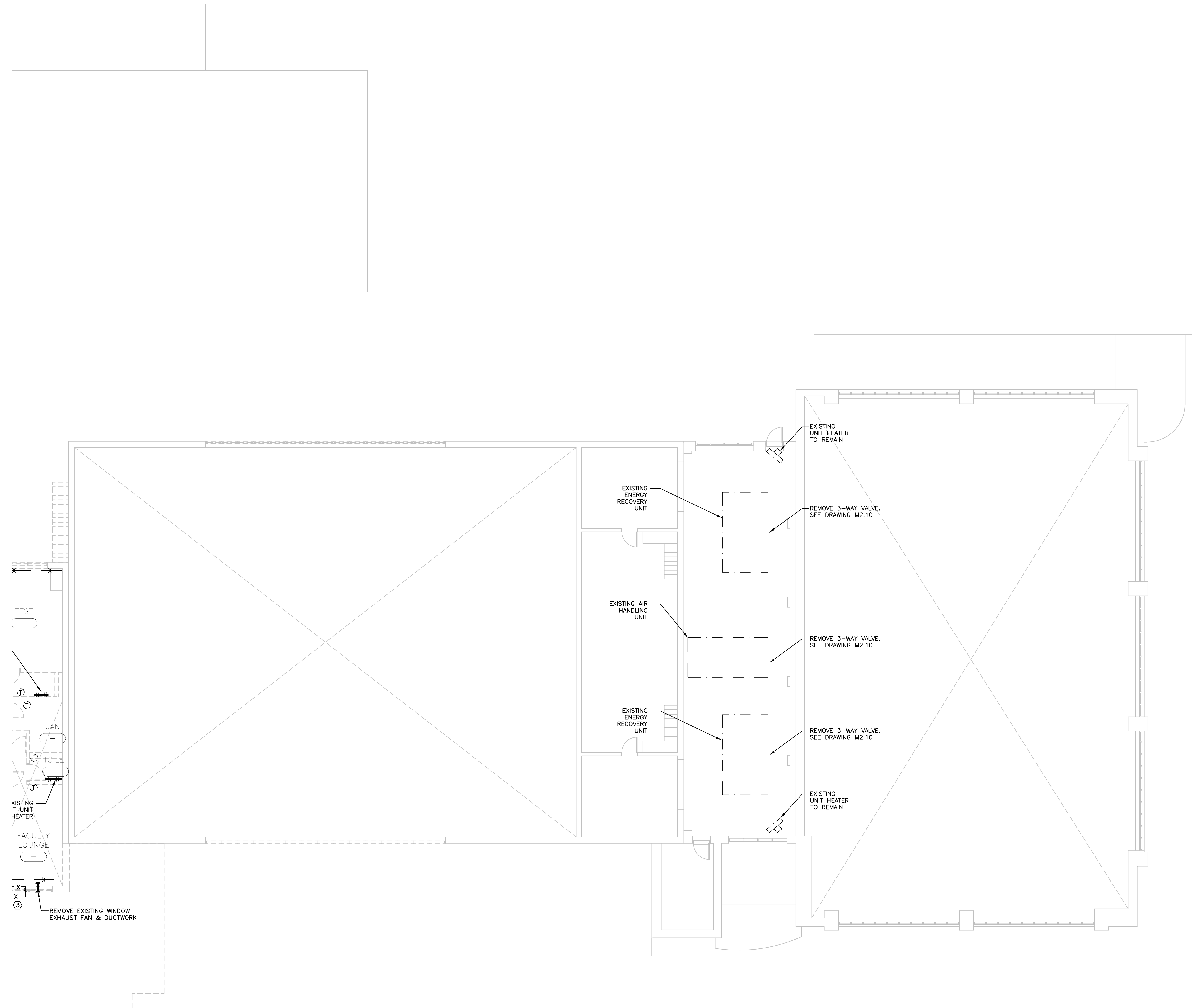
Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
SECOND FLOOR DEMOLITION PLAN AREA "A" - MECHANICAL		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
REVISIONS		Date: 1/28/2011	
Mark		Scale 1/8"=1'-0"	
		Project H.C. Wilcox Technical High School Meriden, CT	
		Drawn By RDV	
		Approved By CFR	
		Drawing No. MD1.07	
CAD No. 0532M-DD-SECONDFLRDEMO.DWG		Project No. BI-RT-843	



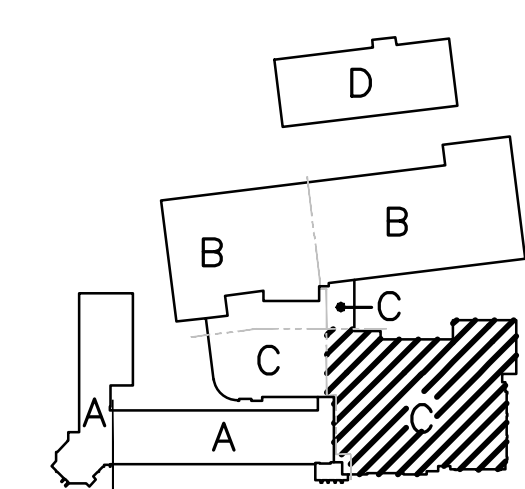
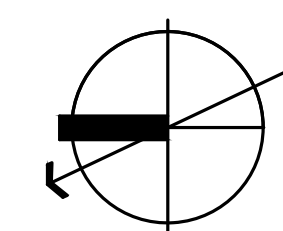
1 SECOND FLOOR DEMOLITION PLAN - AREA "A"
 MD1.08 SCALE: 1/8"=1'-0"

Drawing Title SECOND FLOOR DEMOLITION PLAN AREA "A" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Approved By CFR	Drawn By RDV
		Project No. 0532M-DD-SECONDFLRDEMO.DWG	Approved By CFR
			Drawing No. MD1.08

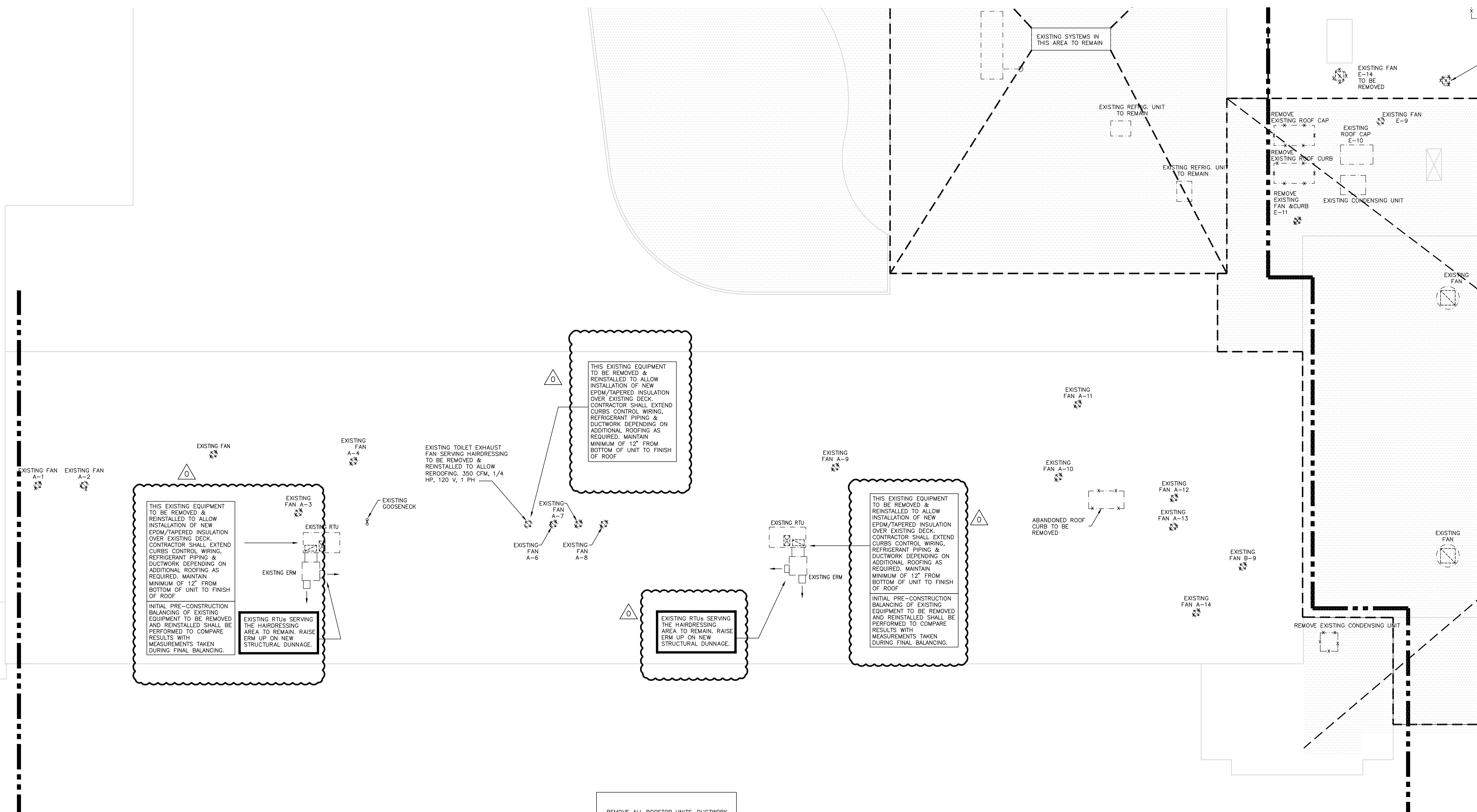




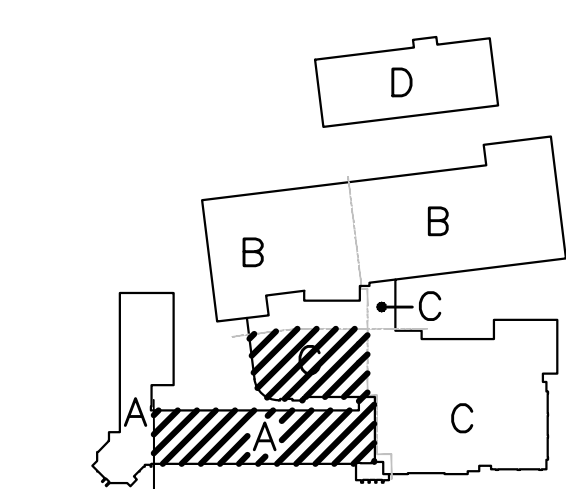
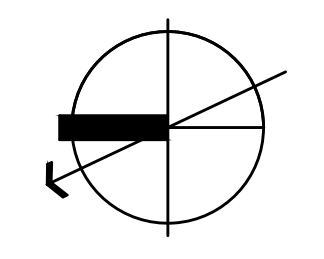
1 SECOND FLOOR DEMOLITION PLAN - AREA "C"
 MD1.09 SCALE: 1/8"=1'-0"



Drawing Title SECOND FLOOR DEMOLITION PLAN AREA "C" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
			Drawn By RDV
			Approved By CFR
			Drawing No. MD1.09
CAD No. 0532M-DD-SECONDFLRDEMO.DWG		Project No. BI-RT-843	



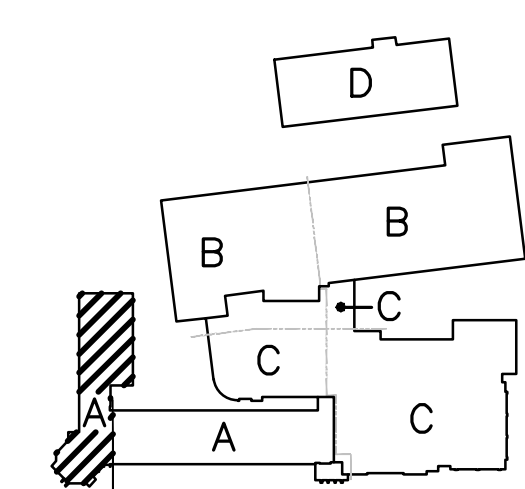
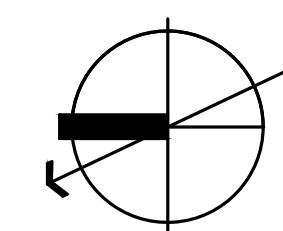
1 ROOF DEMOLITION PLAN - AREA "A" & "C"
MD1.10 SCALE: 1/8"=1'-0"



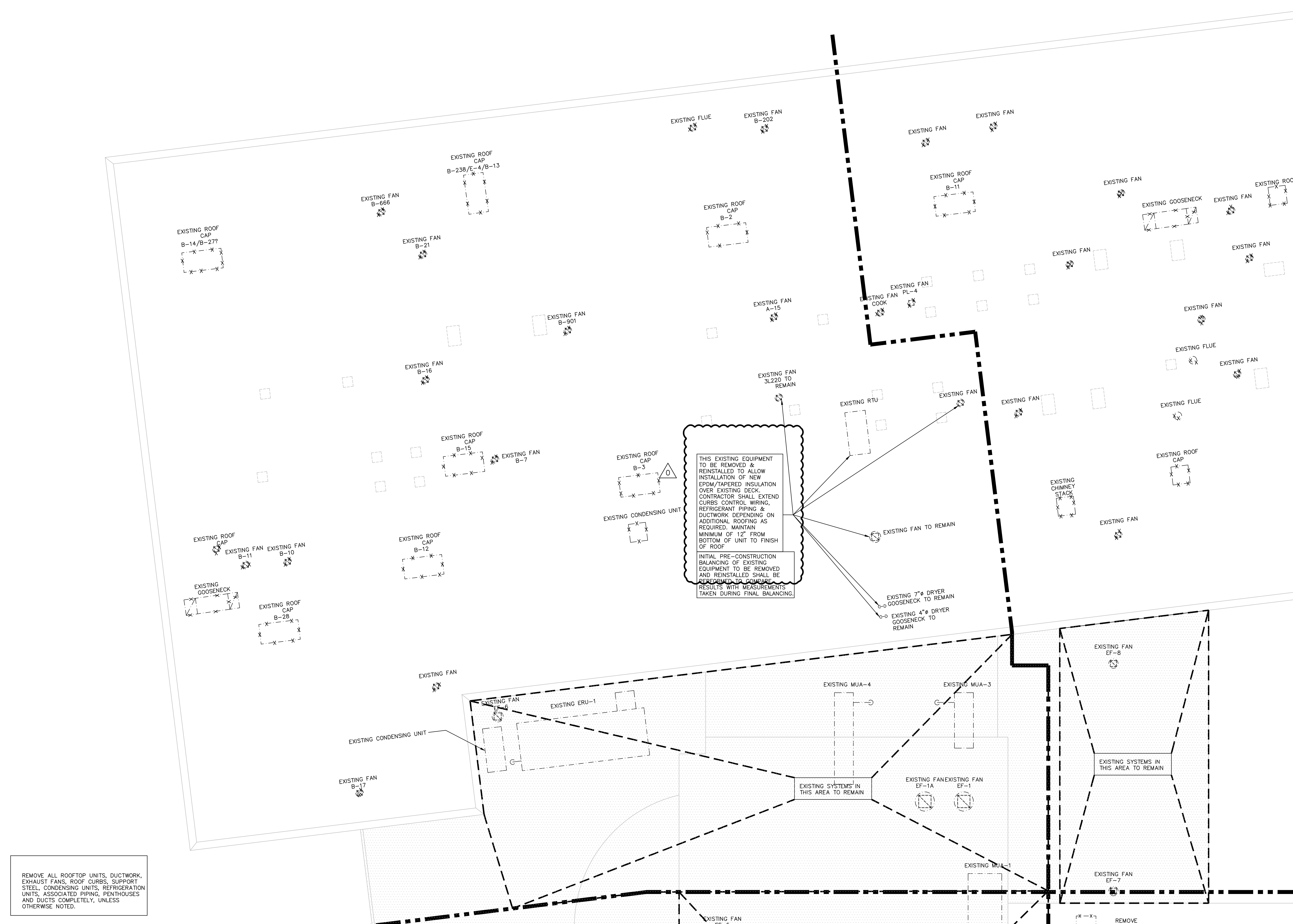
Drawing Title		STATE OF CONNECTICUT	
ROOF DEMOLITION PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "A" & "C" - MECHANICAL			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
△	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	WJY
		Meriden, CT	Approved By
			CFR
			Drawing No.
			MD1.10
CAD No.	Project No.		
0532 M-DD-ROOFDEMO.DWG	BI-RT-843		



1 ROOF DEMOLITION PLAN - AREA "A"
MD1.11/SCALE: 1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
ROOF DEMOLITION PLAN AREA "A" - MECHANICAL		REVISIONS	
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By WJK Approved By CFR Drawing No. MD1.11
CAD No. 0532 M-DD-ROOFDEMO.DWG		Project No. BI-RT-843	



1 ROOF DEMOLITION PLAN - AREA "B" & "C"
MD1.12 SCALE: 1/8"=1'-0"

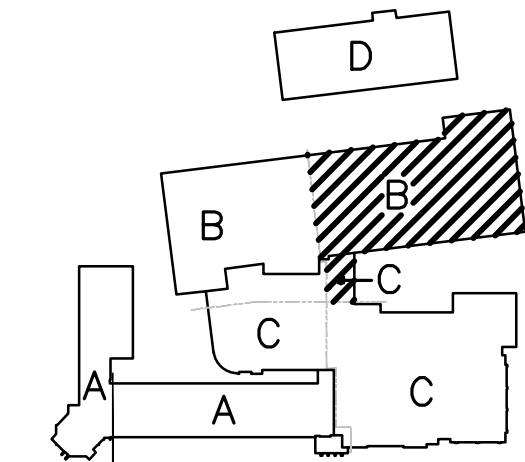
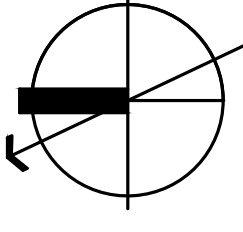
REMOVE ALL ROOFTOP UNITS, DUCTWORK, EXHAUST FANS, ROOF CURBS, SUPPORT STEEL, CONDENSING UNITS, REFRIGERATION UNITS, ASSOCIATED PIPING, PENTHOUSES AND DUCTS COMPLETELY, UNLESS OTHERWISE NOTED.

Drawing Title ROOF DEMOLITION PLAN AREA "B" & "C" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By WJY Approved By CFR Drawing No. MD1.12
CAD No. 0532 M-DD-ROOFDEMO.DWG		Project No. BI-RT-843	

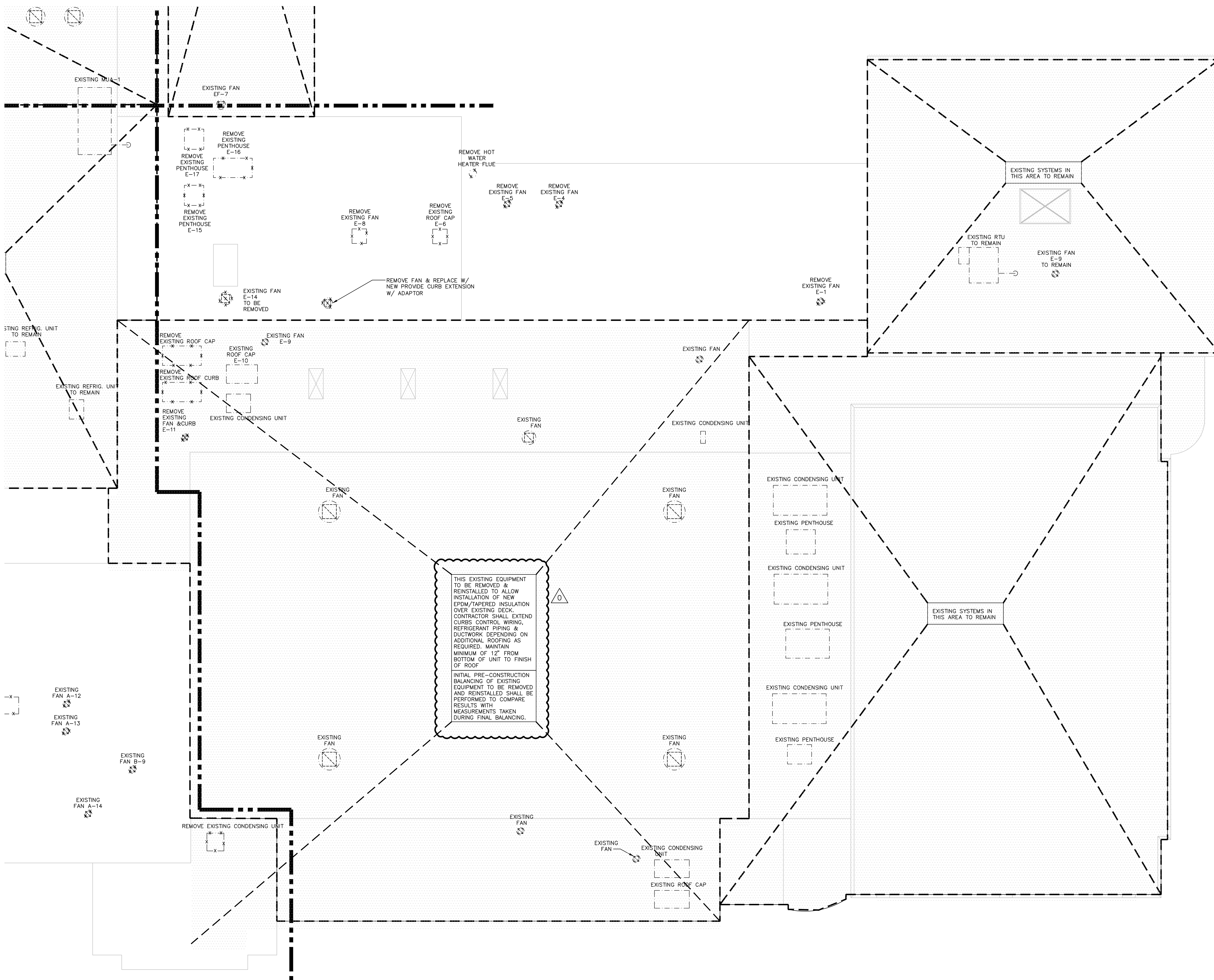


REMOVE ALL ROOFTOP UNITS, DUCTWORK, EXHAUST FANS, ROOF CURBS, SUPPORT STEEL, CONDENSING UNITS, REFRIGERATION UNITS, ASSOCIATED PIPING, PENTHOUSES AND DUCTS COMPLETELY, UNLESS OTHERWISE NOTED.

1 ROOF DEMOLITION PLAN - AREA "B" & "C"
MD1.13 SCALE: 1/8"=1'-0"



Drawing Title ROOF DEMOLITION PLAN AREA "B" & "C" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By WJF Approved By CFR Drawing No. MD1.13
CAD No. 0532 M-DD-ROOFDEMO.DWG		Project No. BI-RT-843	

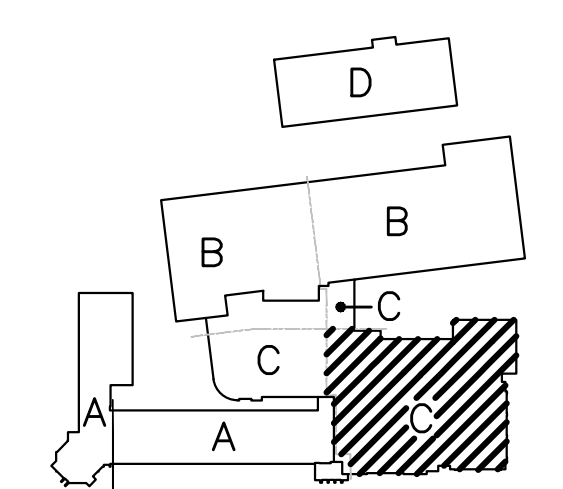
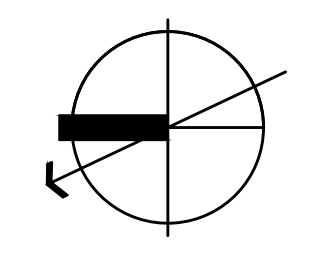


THIS EXISTING EQUIPMENT TO BE REMOVED & REINSTALLED TO ALLOW INSTALLATION OF NEW EPDM/TAPERED INSULATION OVER EXISTING DECK. CONTRACTOR SHALL EXTEND CURBS CONTROL WIRING, REFRIGERANT PIPING & DUCTWORK DEPENDING ON ADDITIONAL ROOFING AS REQUIRED. MAINTAIN MINIMUM OF 12" FROM BOTTOM OF UNIT TO FINISH OF ROOF.

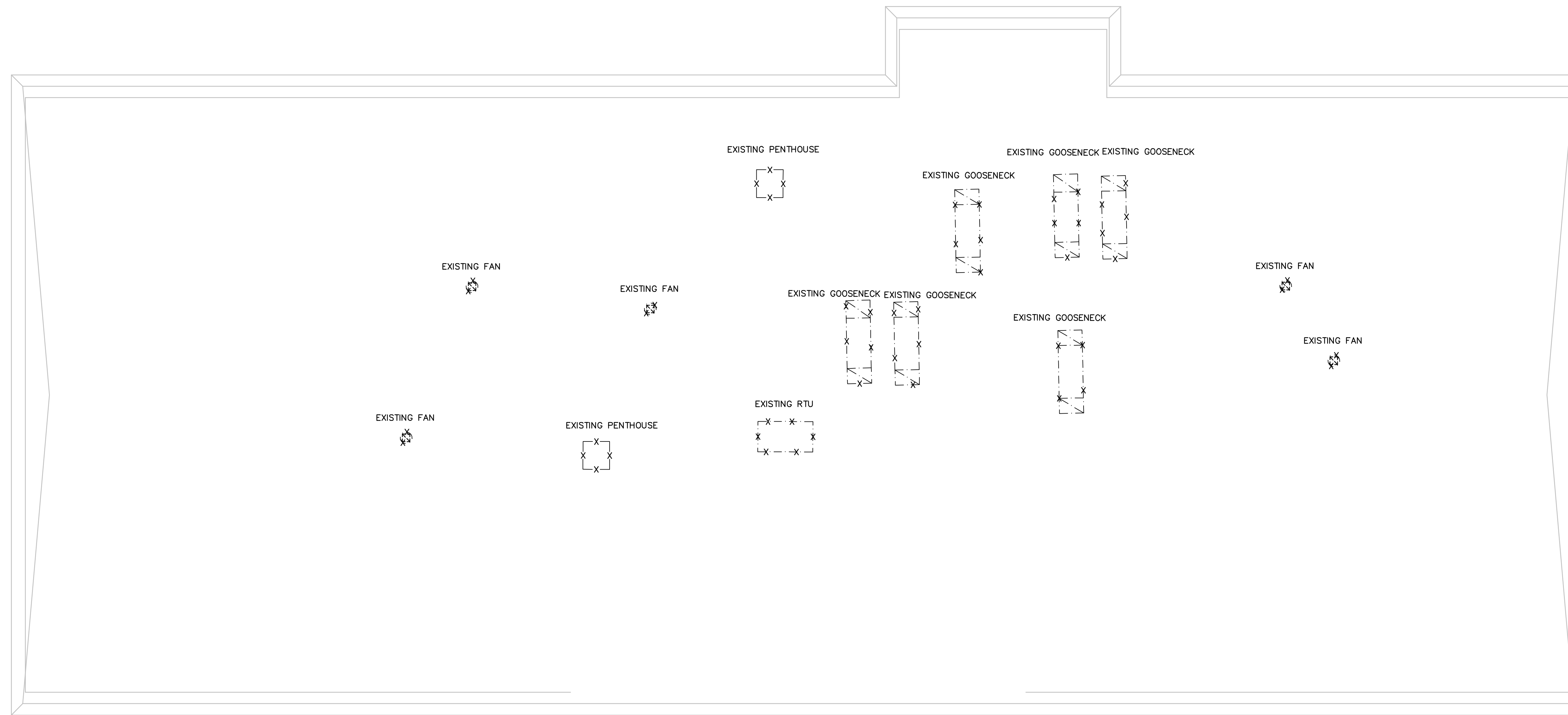
INITIAL PRE-CONSTRUCTION BALANCING OF EXISTING EQUIPMENT TO BE REMOVED AND REINSTALLED SHALL BE PERFORMED TO COMPARE RESULTS WITH MEASUREMENTS TAKEN DURING FINAL BALANCING.

REMOVE ALL ROOFTOP UNITS, DUCTWORK, EXHAUST FANS, ROOF CURBS, SUPPORT STEEL, CONDENSING UNITS, REFRIGERATION UNITS, ASSOCIATED PIPING, PENTHOUSES AND DUCTS COMPLETELY, UNLESS OTHERWISE NOTED.

1 ROOF DEMOLITION PLAN - AREA "C"
MD1.14/SCALE: 1/8"=1'-0"

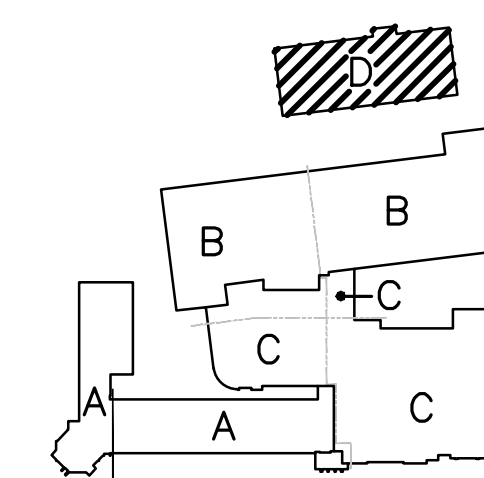
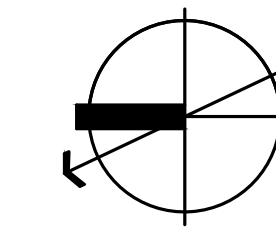


Drawing Title ROOF DEMOLITION PLAN AREA "C" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Approved By CFR	Drawn By WJY
		Project No. BI-RT-843	Approved By CFR
CAD No. 0532 M-DD-ROOFDEMO.DWG			Drawing No. MD1.14

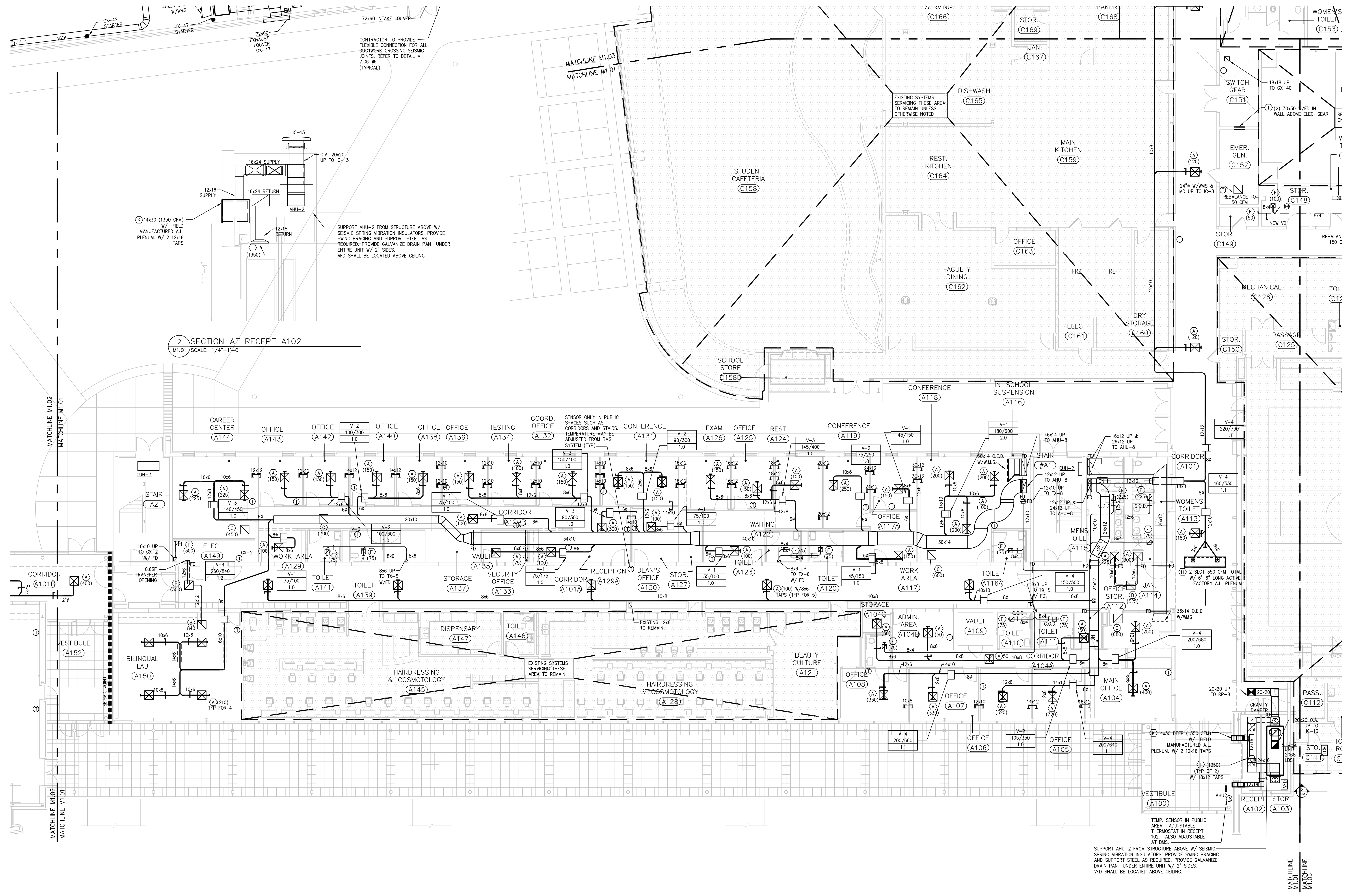


REMOVE ALL ROOFTOP UNITS, DUCTWORK, EXHAUST FANS, ROOF CURBS, SUPPORT STEEL, CONDENSING UNITS, REFRIGERATION UNITS, ASSOCIATED PIPING, PENTHOUSES AND DUCTS COMPLETELY, UNLESS OTHERWISE NOTED.

1 ANNEX BUILDING ROOF DEMOLITION PLAN - AREA "D"
MD1.15/SCALE: 1/8"=1'-0"

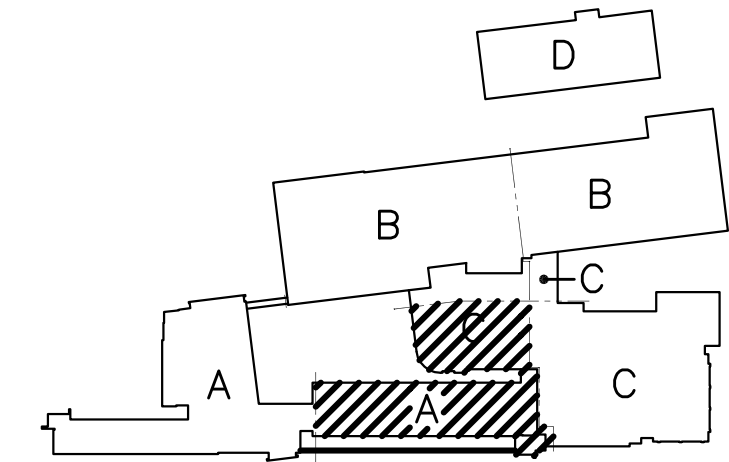
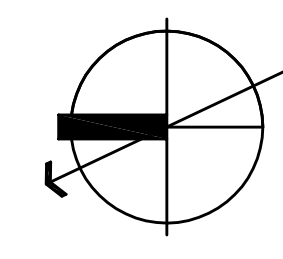


Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
ANNEX BUILDING ROOF DEMO PLAN AREA "D" - MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By WJK	Approved By CFR
CAD No. 0532 M-DD-ROOFDEMO.DWG		Project No. BI-RT-843	Drawing No. MD1.15

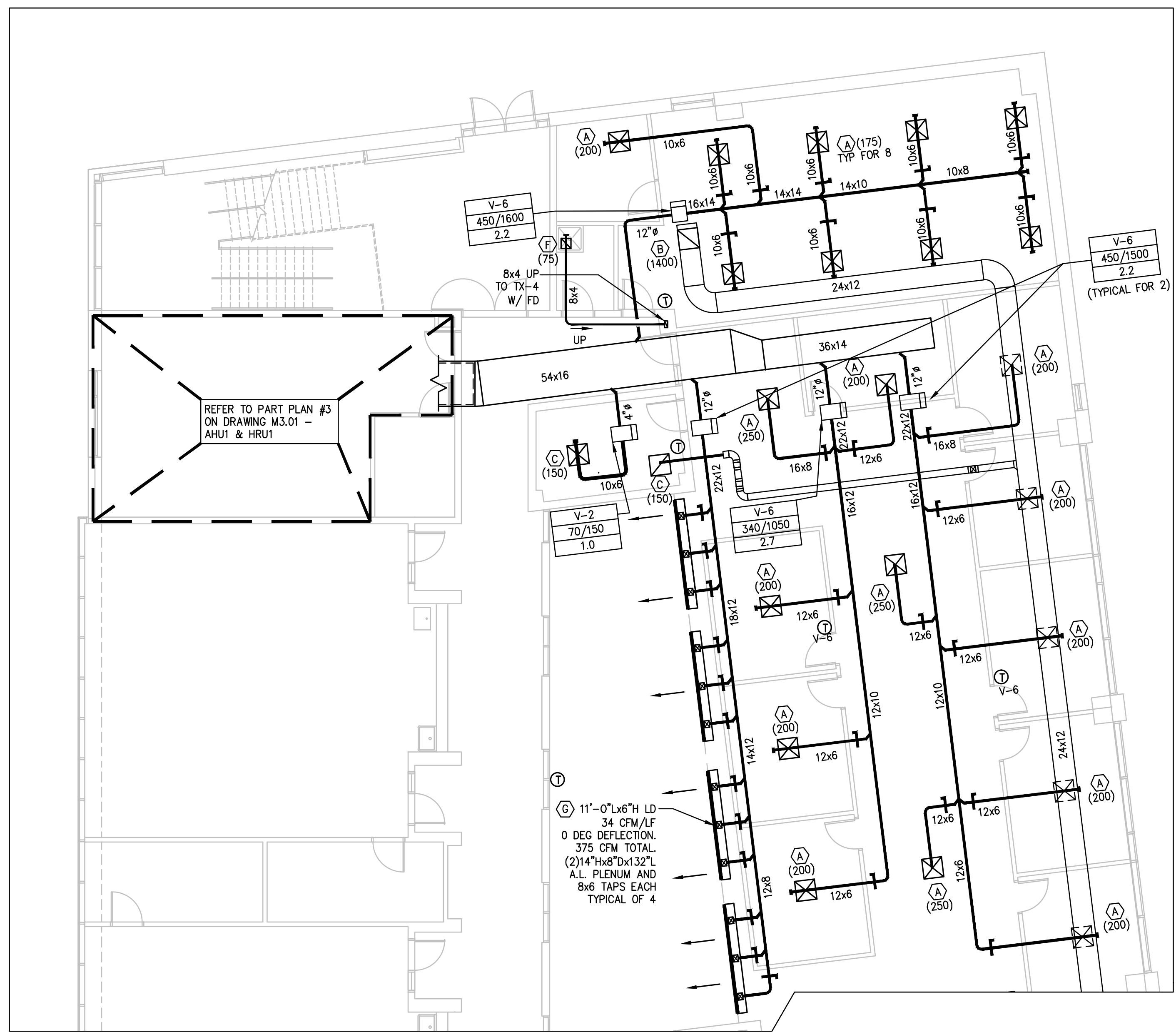


2 SECTION AT RECEPT A102
M1.01 SCALE: 1/4"=1'-0"

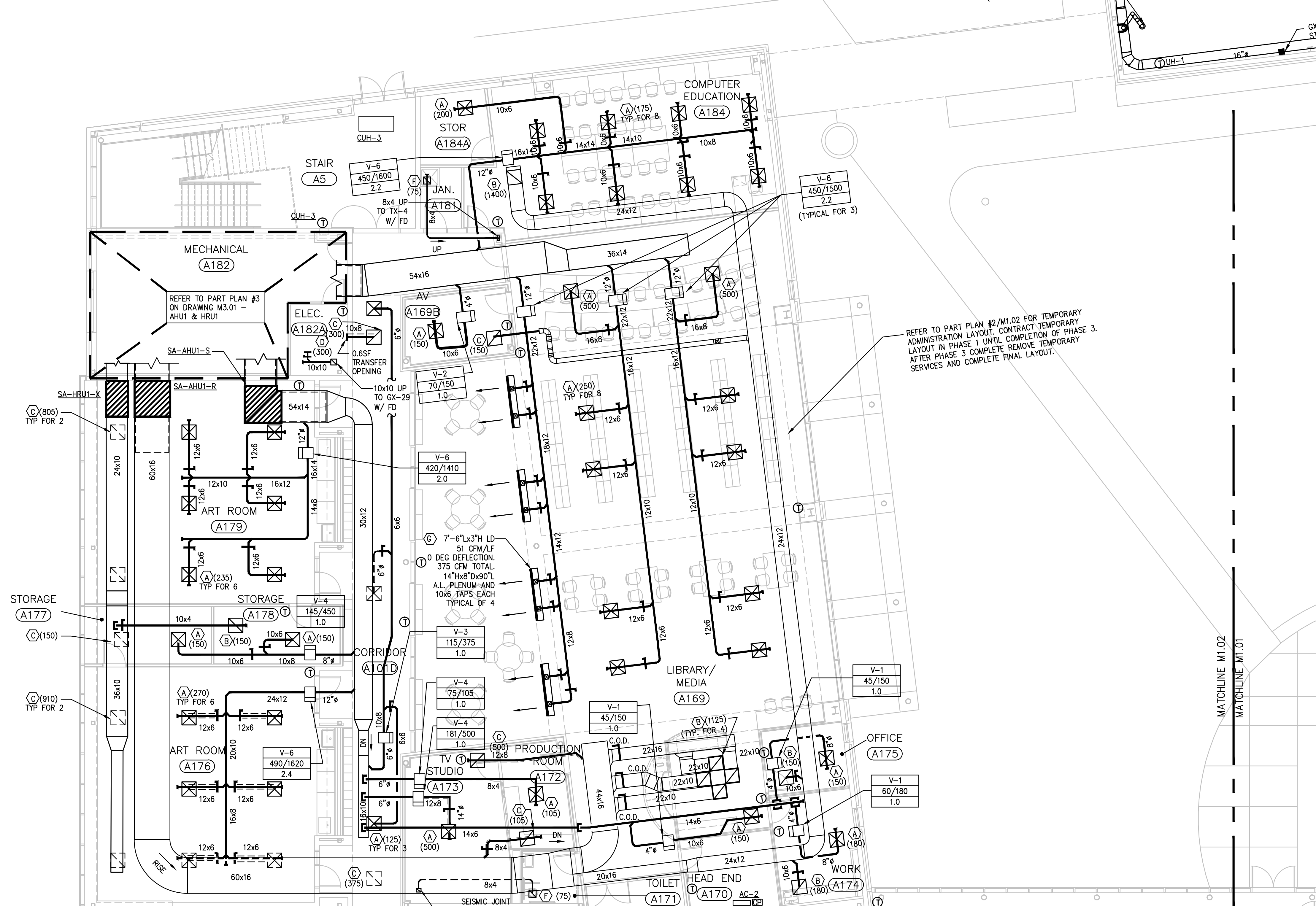
1 FIRST FLOOR PLAN - AREA "A" & "C"
M1.01 SCALE: 1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PLAN AREA "A" & "C" - MECHANICAL		REVISIONS	
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011 Scale: 1/8"=1'-0"	
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By RDV Approved By CFR Drawing No. M1.01	
CAD No. 0532 M-DD-FIRSTFLRNEW.DWG		Project No. B-RT-843	



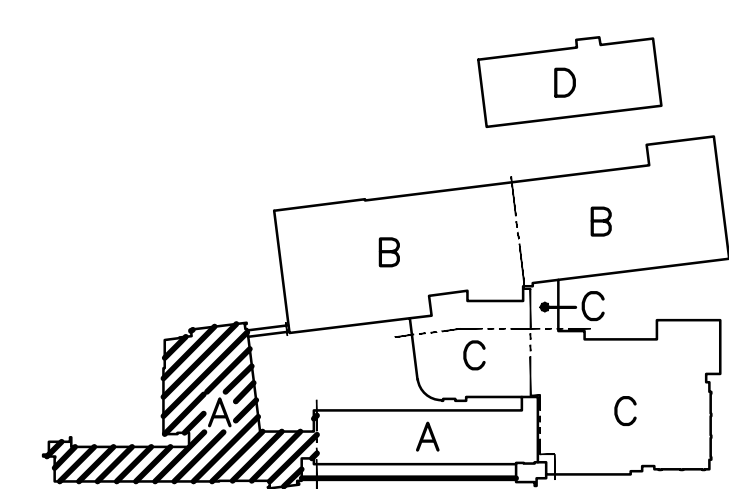
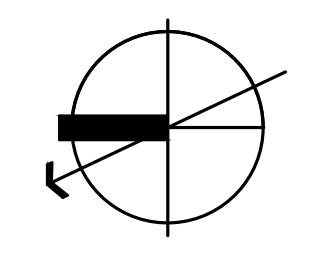
2 TEMPORARY ADMIN PART PLAN - AREA "A"
M1.02 SCALE: 1/8"=1'-0"



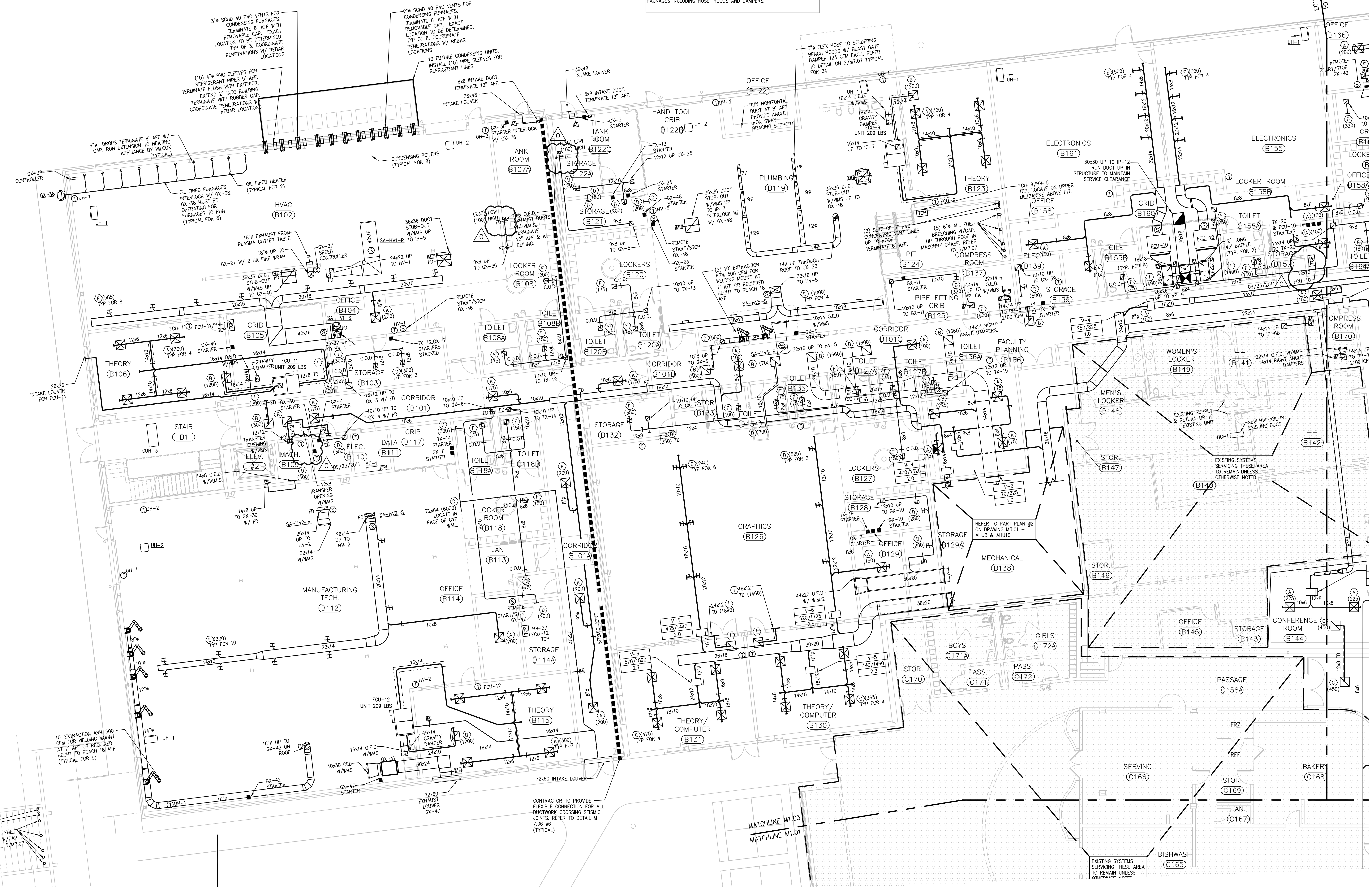
1 FIRST FLOOR PLAN - AREA "A"
M1.02 SCALE: 1/8"=1'-0"

REFER TO PART PLAN #2/M1.02 FOR TEMPORARY ADMINISTRATION LAYOUT. CONTRACT TEMPORARY LAYOUT IN PHASE 1 UNTIL COMPLETION OF PHASE 3. AFTER PHASE 3 COMPLETE REMOVE TEMPORARY SERVICES AND COMPLETE FINAL LAYOUT.

REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	Description	Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No. M1.02
CAD No. 0532 M-DD-FIRSTFLRNEW.DWG	Project No. 81-RT-843		



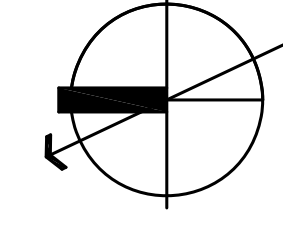
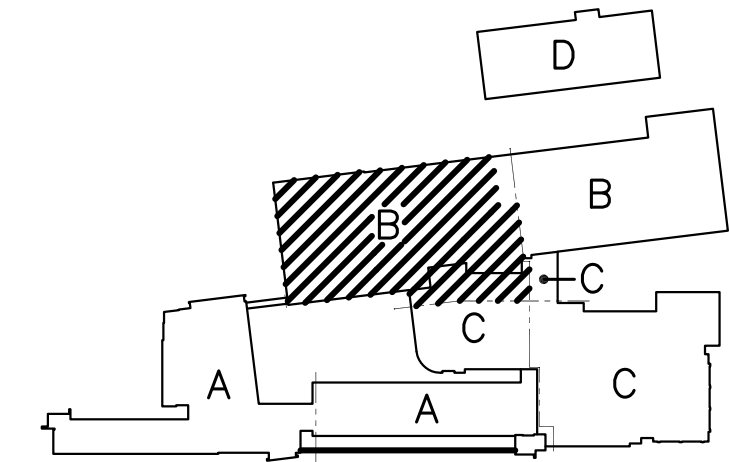
WELDING SWING ARMS:
 PLYMOVENT KUA-3, 10 FT LONG ADJUSTABLE EXTRACTOR ARM 500 CFM, 3.75 IN. WC. PRESSURE DROP, WITH WALL BRACKET, METAL HOOD, HOOD SCREEN, DAMPER, PROVIDE 2 COMPLETE REPLACEMENT PACKAGES INCLUDING HOSE, HOODS AND DAMPERS.



1 FIRST FLOOR PLAN - AREA "B" & "C"
 M1.03 SCALE: 1/8"=1'-0"

2 FIRST FLOOR PLAN - MEZZANINE AREA
 M1.03 SCALE: 1/8"=1'-0"

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "B" & "C" - MECHANICAL			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	RDV
		Meriden, CT	Approved By
			CFR
			Drawing No.
CAD No.	Project No.		
0532 M-DD-FIRSTFLRNEW.DWG	B-RT-843		M1.03



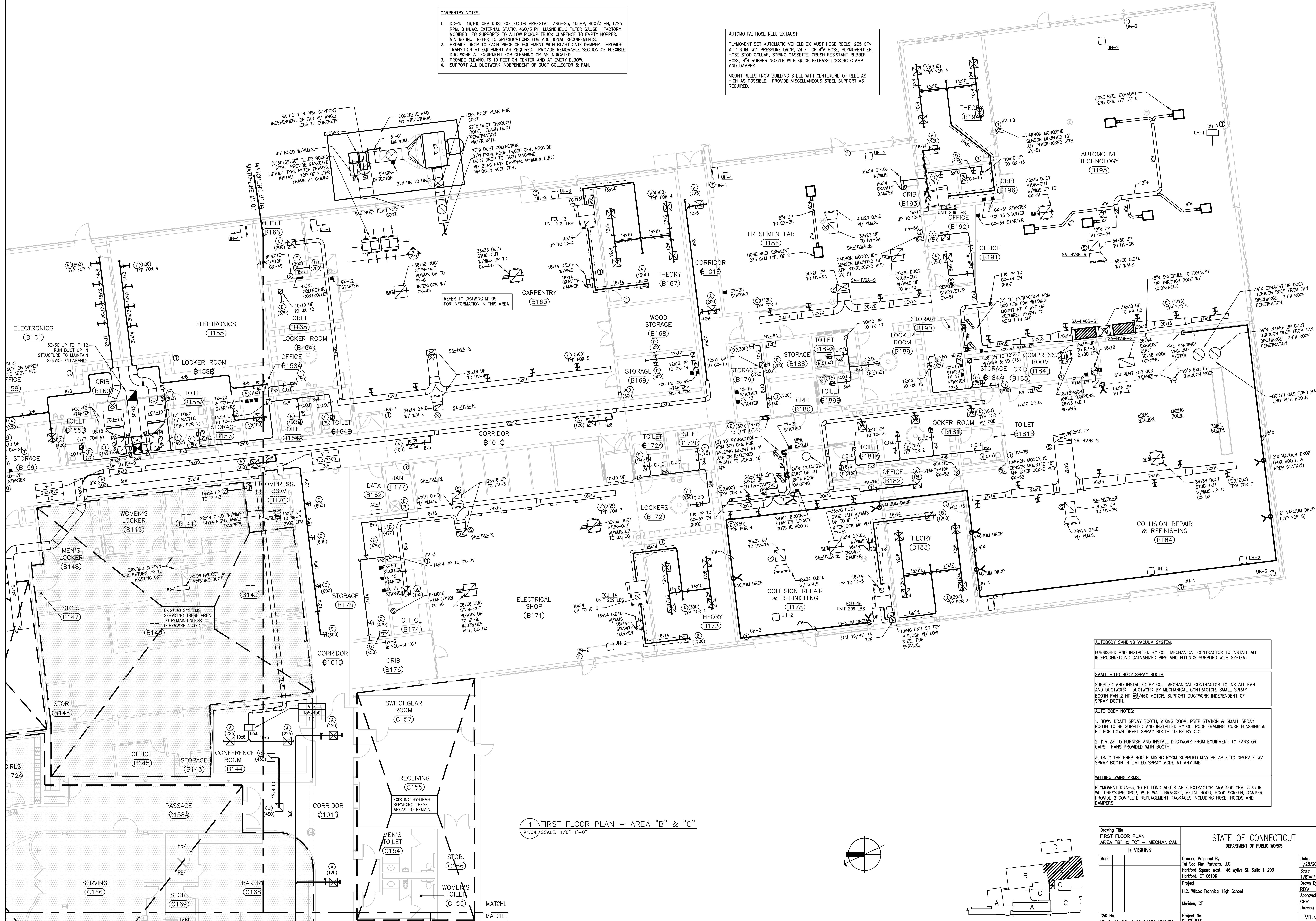
CARPENTRY NOTES:

- DC-1: 16,100 CFM DUST COLLECTOR AR6-25, 40 HP, 460/3 PH, 1725 RPM, 8 IN WC EXTERNAL STATIC, 460/3 PH, MAGNETIC FILTER GAUGE, FACTORY MODIFIED LEG SUPPORTS TO ALLOW PICKUP TRUCK CLARENCE TO EMPTY HOPPER. MIN 60 IN. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE DROP TO EACH PIECE OF EQUIPMENT WITH BLAST GATE DAMPER. PROVIDE TRANSITION AT EQUIPMENT AS REQUIRED. PROVIDE REMOVABLE SECTION OF FLEXIBLE DUCTWORK AT EQUIPMENT FOR CLEANING OR AS INDICATED.
- PROVIDE CLEANOUTS 10 FEET ON CENTER AND AT EVERY ELBOW.
- SUPPORT ALL DUCTWORK INDEPENDENT OF DUCT COLLECTOR & FAN.

AUTOMOTIVE HOSE REEL EXHAUST:

PLYMOVENT SER AUTOMATIC VEHICLE EXHAUST HOSE REELS, 235 CFM AT 1.5 IN WC. PRESSURE DROP, 24 FT OF 4" HOSE, PLYMOVENT LF, HOSE STOP COLLAR, SPRING CASSETTE, CRUSH RESISTANT RUBBER HOSE, 4" RUBBER NOZZLE WITH QUICK RELEASE LOCKING CLAMP AND DAMPER.

MOUNT REELS FROM BUILDING STEEL WITH CENTERLINE OF REEL AS HIGH AS POSSIBLE. PROVIDE MISCELLANEOUS STEEL SUPPORT AS REQUIRED.



1 FIRST FLOOR PLAN - AREA "B" & "C"
M1.04 SCALE: 1/8"=1'-0"

AUTOBODY SANDING VACUUM SYSTEM:
FURNISHED AND INSTALLED BY GC. MECHANICAL CONTRACTOR TO INSTALL ALL INTERCONNECTING GALVANIZED PIPE AND FITTINGS SUPPLIED WITH SYSTEM.

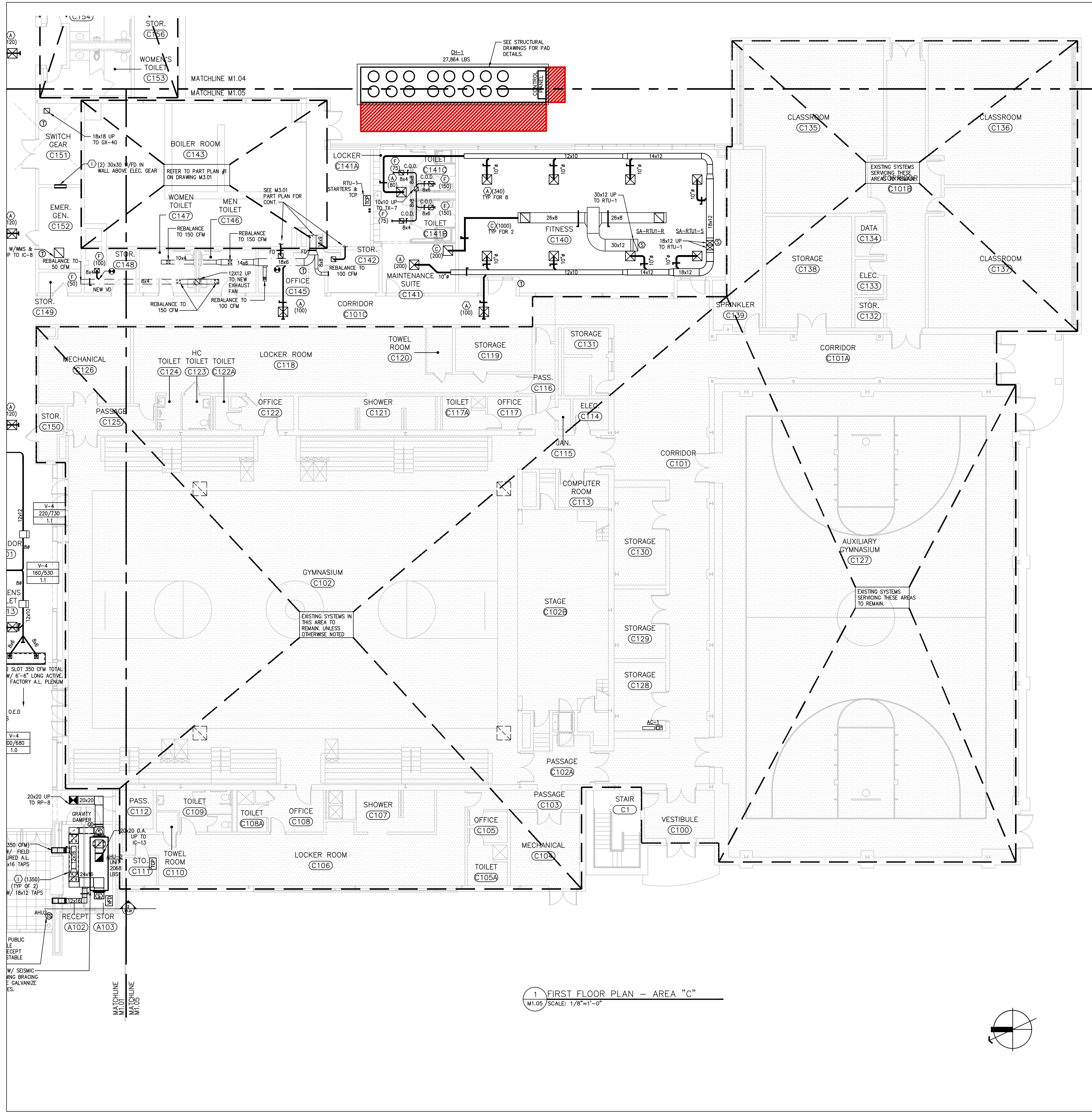
SMALL AUTO BODY SPRAY BOOTH:
SUPPLIED AND INSTALLED BY GC. MECHANICAL CONTRACTOR TO INSTALL FAN AND DUCTWORK. DUCTWORK BY MECHANICAL CONTRACTOR. SMALL SPRAY BOOTH FAN 2 HP 380/460 MOTOR. SUPPORT DUCTWORK INDEPENDENT OF SPRAY BOOTH.

AUTO BODY NOTES:

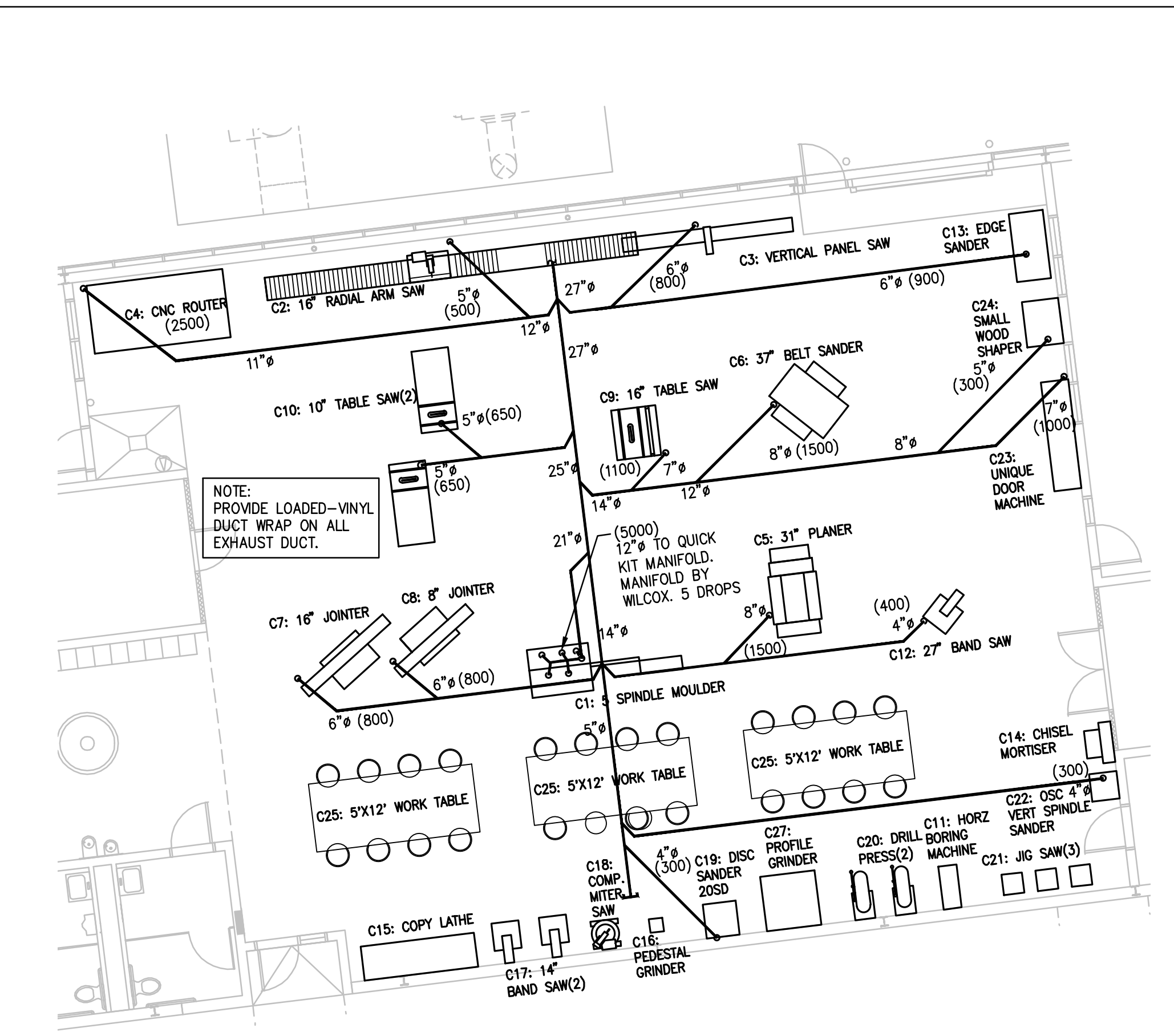
- DOWN DRAFT SPRAY BOOTH, MIXING ROOM, PREP STATION & SMALL SPRAY BOOTH TO BE SUPPLIED AND INSTALLED BY GC. ROOF FRAMING, CURB FLASHING & PIT FOR DOWN DRAFT SPRAY BOOTH TO BE BY GC.
- DIV 23 TO FURNISH AND INSTALL DUCTWORK FROM EQUIPMENT TO FANS OR CAPS. FANS PROVIDED WITH BOOTH.
- ONLY THE PREP BOOTH MIXING ROOM SUPPLIED MAY BE ABLE TO OPERATE W/ SPRAY BOOTH IN LIMITED SPRAY MODE AT ANYTIME.

HOLDING SWING ARMS:
PLYMOVENT KUA-3, 10 FT LONG ADJUSTABLE EXTRACTOR ARM 500 CFM, 3.75 IN. WC. PRESSURE DROP, WITH WALL BRACKET, METAL HOOD, HOOD SCREEN, DAMPER. PROVIDE 2 COMPLETE REPLACEMENT PACKAGES INCLUDING HOSE, HOODS AND DAMPERS.

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN AREA "B" & "C" - MECHANICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No.
		Project No. 0532 M-DD-FIRSTFLRNEW.DWG	Project No. BR-RT-843
			M1.04

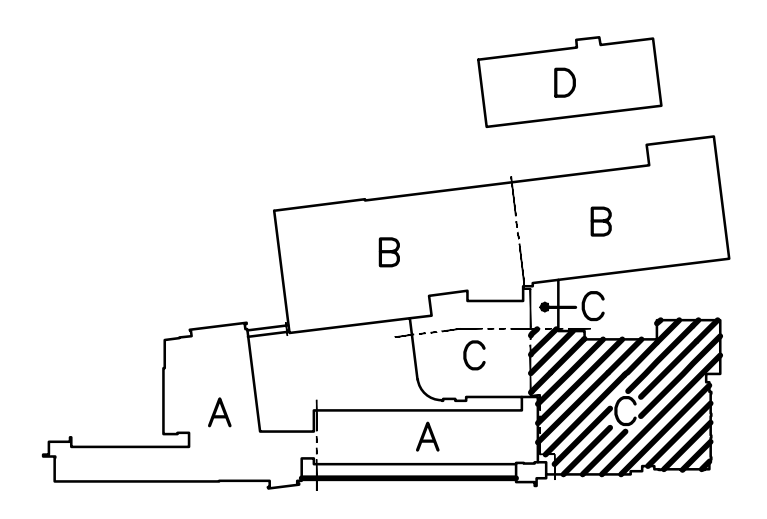
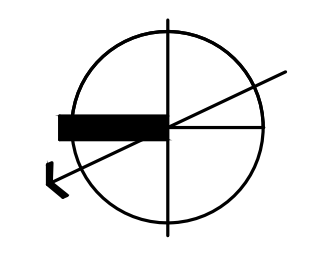


1 FIRST FLOOR PLAN - AREA "C"
M1.05 SCALE: 1/8"=1'-0"

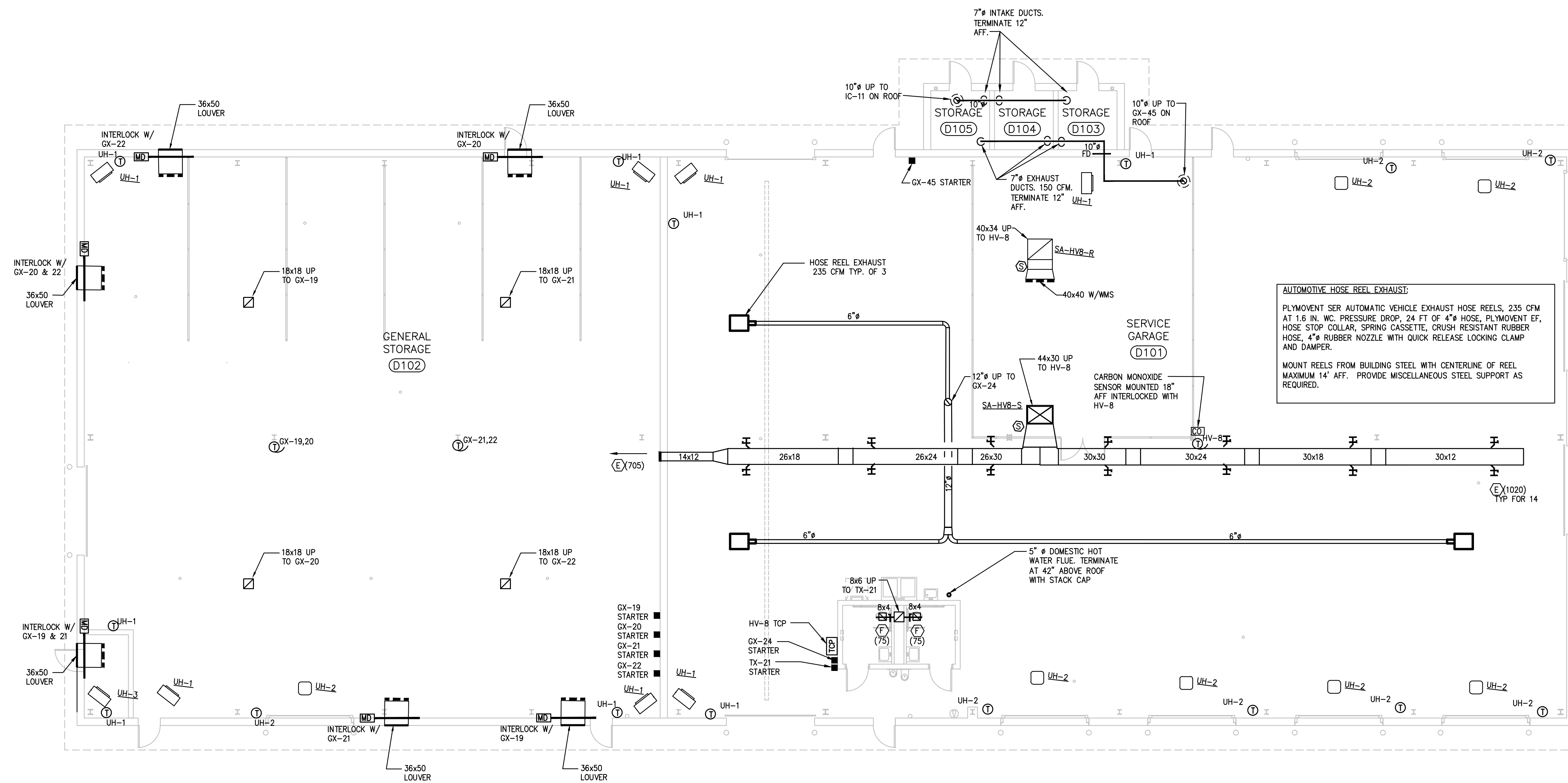


2 FIRST FLOOR PLAN - CARPENTRY
M1.05 SCALE: 1/8"=1'-0"

CARPENTRY B163		
#	CFM	CONNECTIONS
5 SPINDLE MOULDER	C1	5000 12" Ø CONNECT @ 10' AFF
16" RADIAL ARM SAW	C2	500 8" Ø DOWN TO BEHIND SAW W/ HOOD MADE BY CONTRACTOR TO PROVIDE COLLECTION OF SAW DUST COORDINATE W/ RADIAL ARM SAW IN FIELD
VERTICAL PANEL SAW	C3	800 HARD DUCT CONNECTION
CNC ROUTER W/ 5'X10' BED	C4	- HARD DUCT CONNECTION
30" PLANER	C5	1500 8" Ø TO 7' AF FLEXIBLE DUCT TO MACHINE AT +/- 5'
37" BELT SANDER	C6	1500 HARD DUCT TO 7' AFF FLEX TO EQUIPMENT
16" HEAVY DUTY JOINTER	C7	800 HARD DUCT TO 5' AFF FLEX TO BOTTOM OF EQUIPMENT
8" MEDIUM DUTY JOINTER	C8	800 HARD DUCT TO 5' AFF FLEX TO BOTTOM OF EQUIPMENT
16" TABLE SAW	C9	1100 HARD DUCT DOWN RIGHT SIDE OF TABLE TO 4' AFF. FLEX TO BOTTOM OF EQUIPMENT
10" TABLE SAW	C10	650 HARD DUCT DOWN RIGHT SIDE OF TABLE TO 4' AFF. FLEX TO BOTTOM OF EQUIPMENT
HORIZONTAL BORING MACHINE	C11	- RELOCATE FROM EXTG SHOP COMPRESSED AIR REQUIRED
27" BAND SAW	C12	400 HARD DUCT DOWN LEFT SIDE OF TABLE TO 7' AFF. FLEX TO BOTTOM OF EQUIPMENT
EDGE SANDER	C13	900 HARD DUCT TO 7' AFF FLEX TO EQUIPMENT
CHISEL MORTISER	C14	-
COPY LATHE	C15	-
PEDESTAL GRINDER	C16	-
14" BAND SAW	C17	250
COMPOUND MITER SAW	C18	-
DISK SANDER	C19	300 HARD DUCT TO 7' AFF FLEX TO EQUIPMENT
DRILL PRESS	C20	-
SCROLL/ JIG SAW	C21	-
OSCILLATING VERT. SPINDLE SANDER	C22	300 HARD DUCT TO 7' AFF FLEX TO EQUIPMENT
DOOR MACHINE	C23	1000 HARD DUCT TO 7' AFF FLEX TO UNDERSIDE OF EQUIPMENT
SMALL WOOD SHAPER	C24	300 HARD DUCT TO 7' AFF FLEX TO EQUIPMENT
5'X12' WORK TABLE	C25	-
FLAMMABLE STORAGE CABINET	C26	-
PROFILE GRINDER	C27	-
AIR COMPRESSOR	C28	-

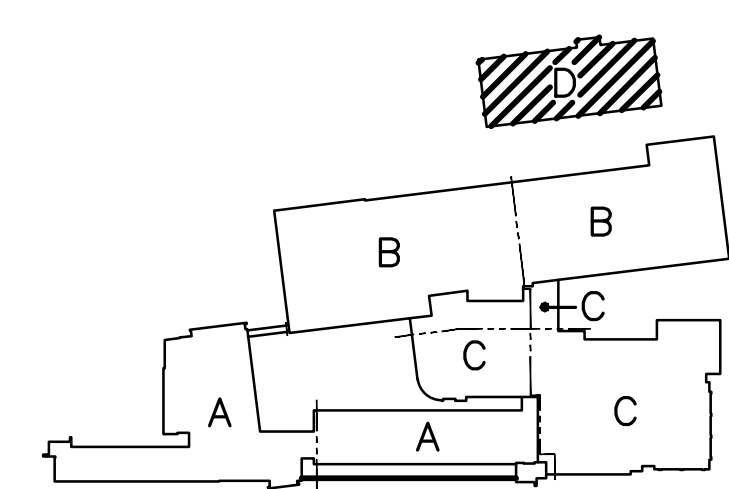
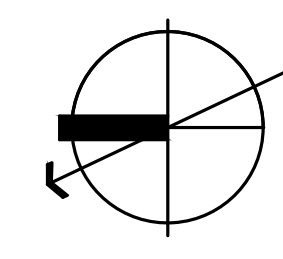


Drawing Title FIRST FLOOR PLAN - AREA "C" MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark			
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By RDV	Approved By CFR
Drawing No. M1.05		Project No. BI-RT-843	Drawing No. M1.05
CAD No. 0532 M-DD-FIRSTFLRNEW.DWG			



AUTOMOTIVE HOSE REEL EXHAUST:
 PLYMO SER AUTOMATIC VEHICLE EXHAUST HOSE REELS, 235 CFM AT 1.5 IN. WC. PRESSURE DROP, 24 FT OF 4" HOSE, PLYMOVENT EF, HOSE STOP COLLAR, SPRING CASSETTE, CRUSH RESISTANT RUBBER HOSE, 4" RUBBER NOZZLE WITH QUICK RELEASE LOCKING CLAMP AND DAMPER.
 MOUNT REELS FROM BUILDING STEEL WITH CENTERLINE OF REEL MAXIMUM 14' AFF. PROVIDE MISCELLANEOUS STEEL SUPPORT AS REQUIRED.

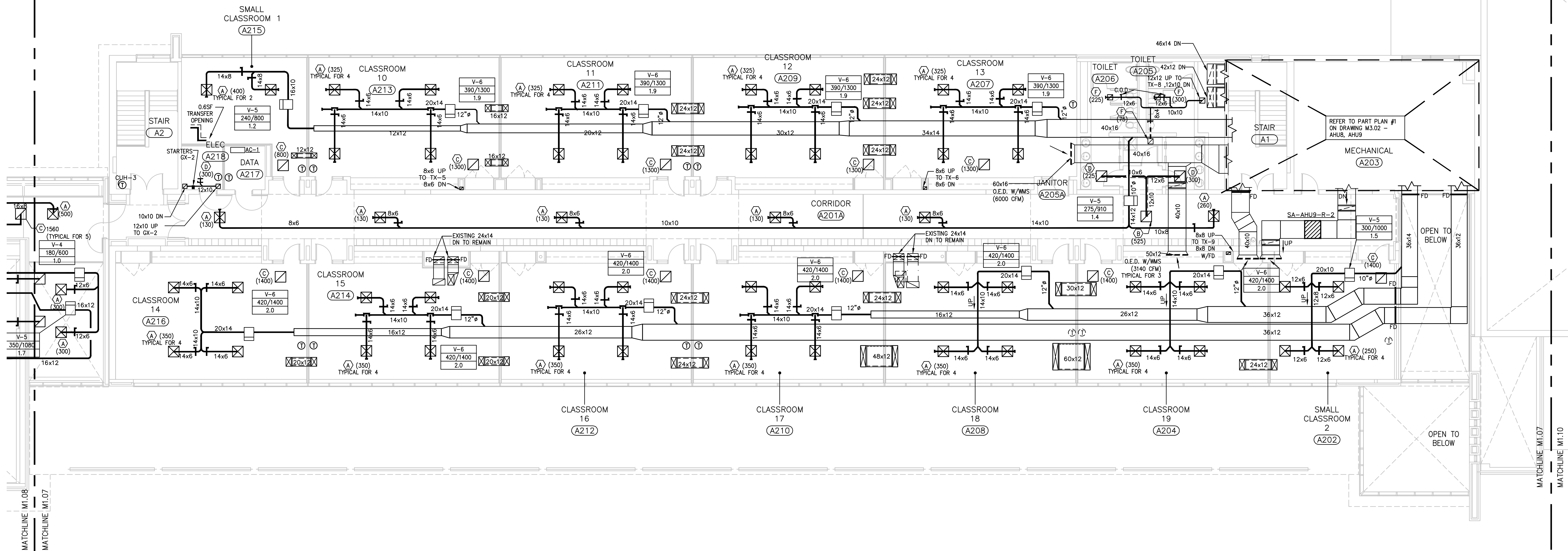
1 FIRST FLOOR PLAN - AREA "D"
 M1.06 / SCALE: 1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PLAN - AREA "D" - MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By RDV	Approved By CFR
CAD No. 0532 M-DD-FIRSTFLRNEW.DWG		Project No. BI-RT-843	Drawing No. M1.06

02/13/19

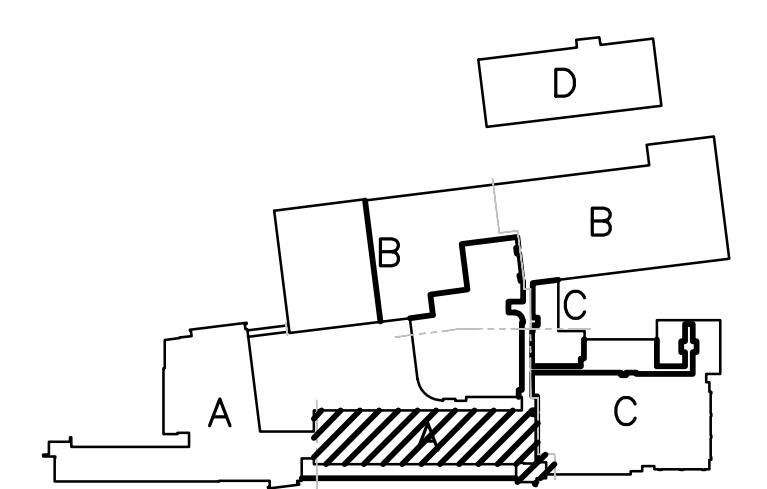
MATCHLINE M1.07



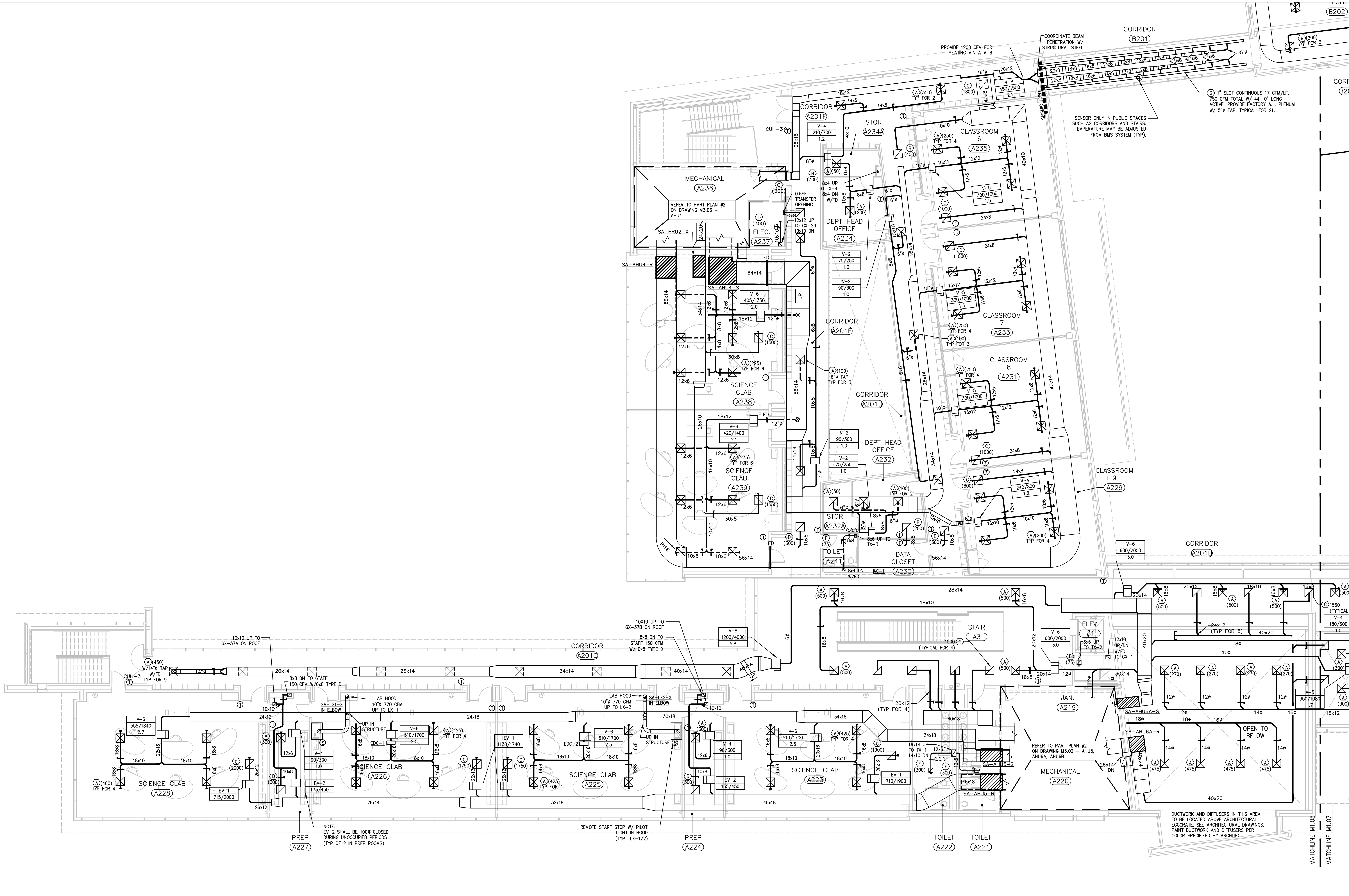
MATCHLINE M1.08
MATCHLINE M1.07

MATCHLINE M1.07
MATCHLINE M1.10

1 SECOND FLOOR PLAN - AREA "A" & "C"
M1.07 SCALE: 1/8"=1'-0"

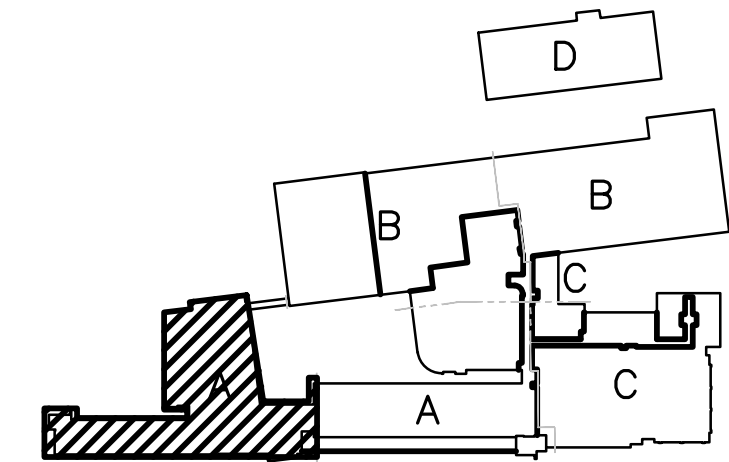


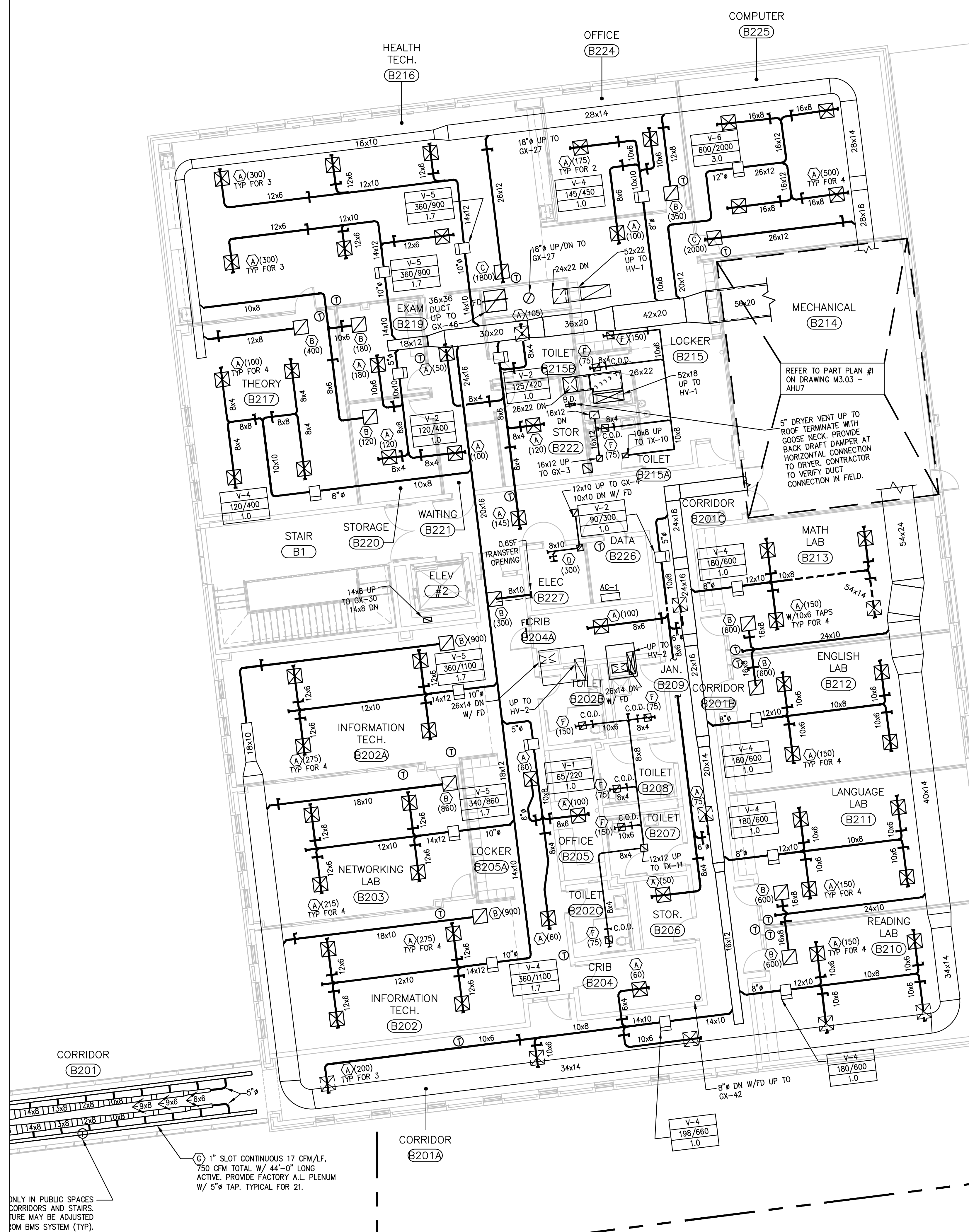
Drawing Title SECOND FLOOR PLAN AREA "A" & "C" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No. M1.07
CAD No. 0532 M-CD-SECONDFLRNEW.DWG		Project No. BI-RT-843	



1 SECOND FLOOR PLAN - AREA "A"
M1.08 SCALE: 1/8"=1'-0"

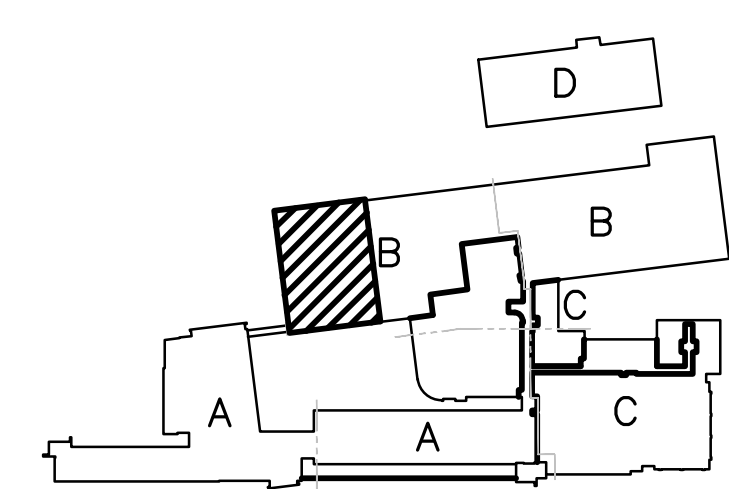
Drawing Title SECOND FLOOR PLAN AREA "A" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark		Project H.C. Wilcox Technical High School Meriden, CT	
CAD No. 0532 M-CD-SECONDFLRNEW.DWG		Project No. BI-RT-843	
Date: 1/28/2011		Scale: 1/8"=1'-0"	
Drawn By RDV		Approved By CFR	
Drawing No. M1.08			



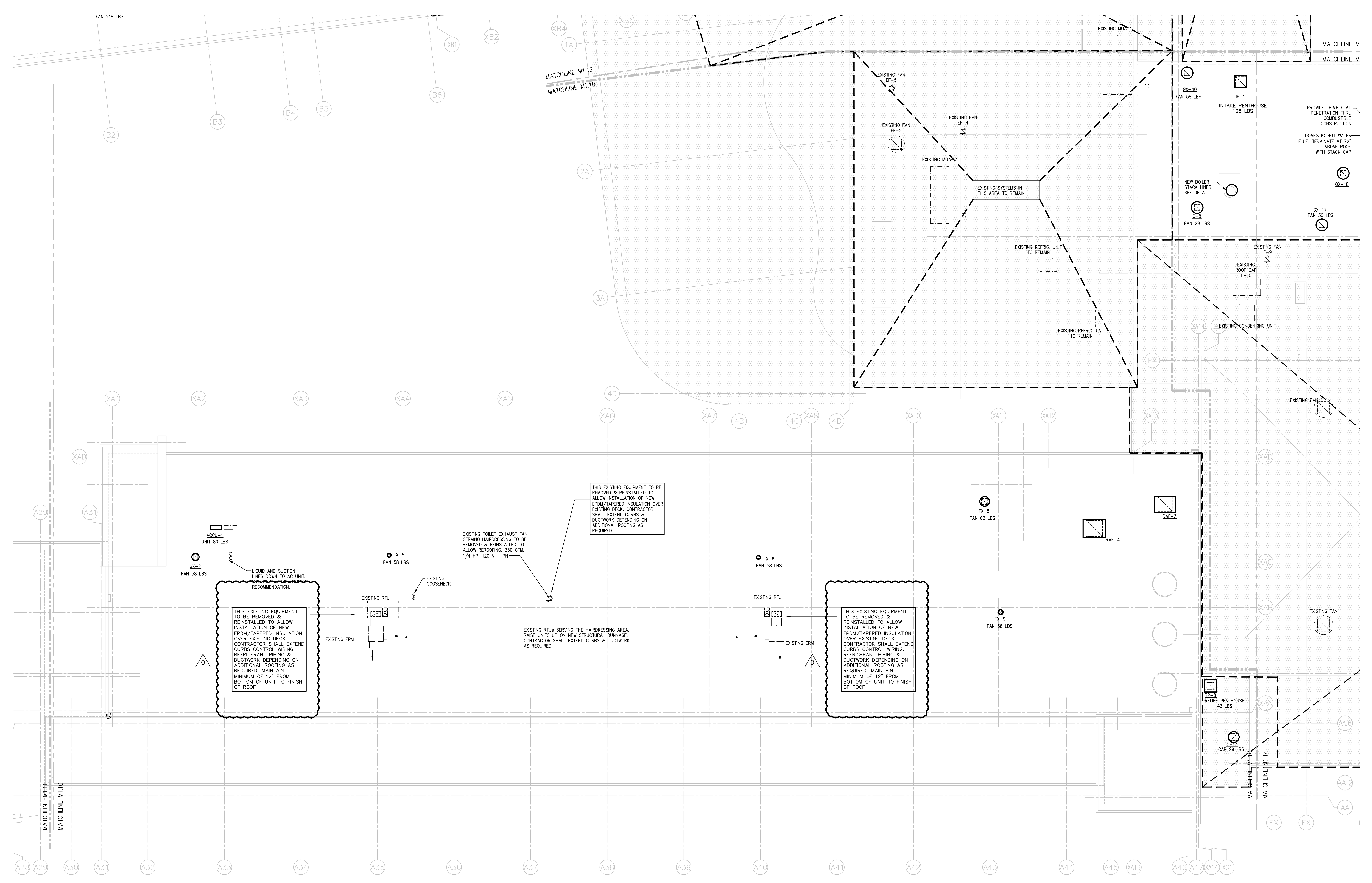


MATCHLINE M1.09
MATCHLINE M1.07

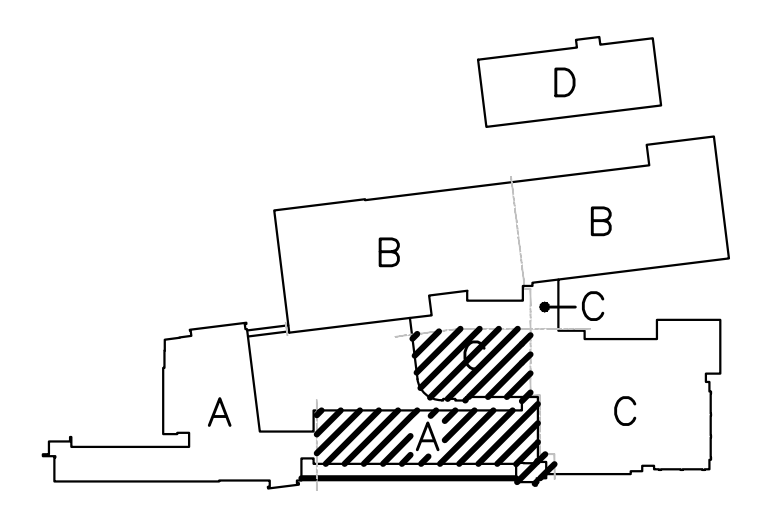
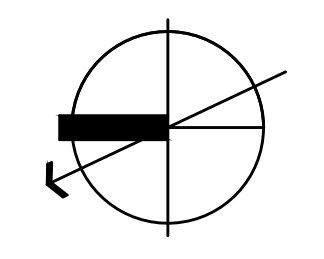
1 SECOND FLOOR PLAN - AREA "B"
M1.09 SCALE: 1/8"=1'-0"



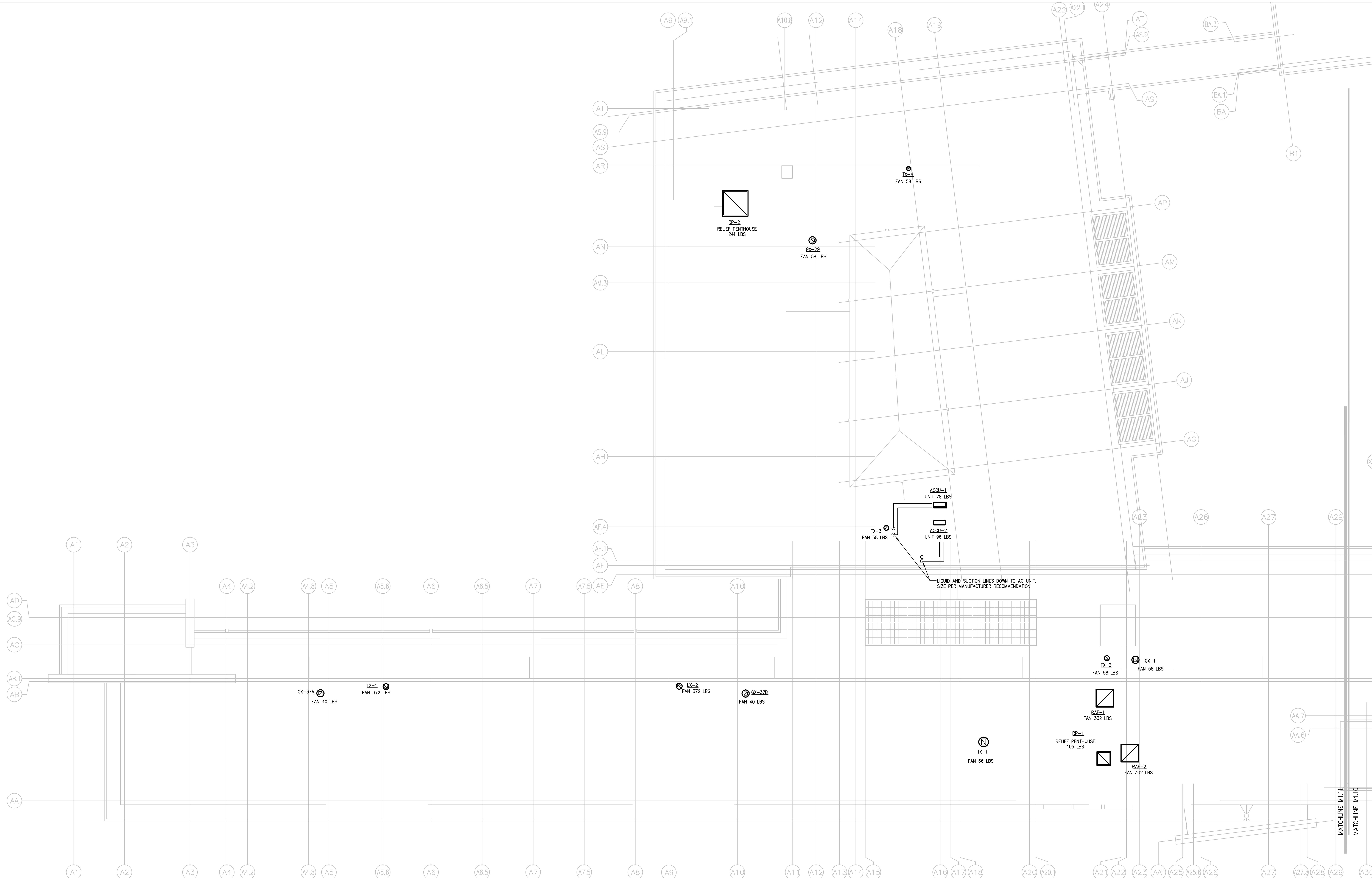
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "B" - MECHANICAL REVISIONS			
Mark		Drawing Prepared By	Date:
		Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	RDV
		Meriden, CT	Approved By
			CFR
			Drawing No.
			M1.09
CAD No.	0532 M-CD-SECONDFLRNEW.DWG	Project No.	BI-RT-843



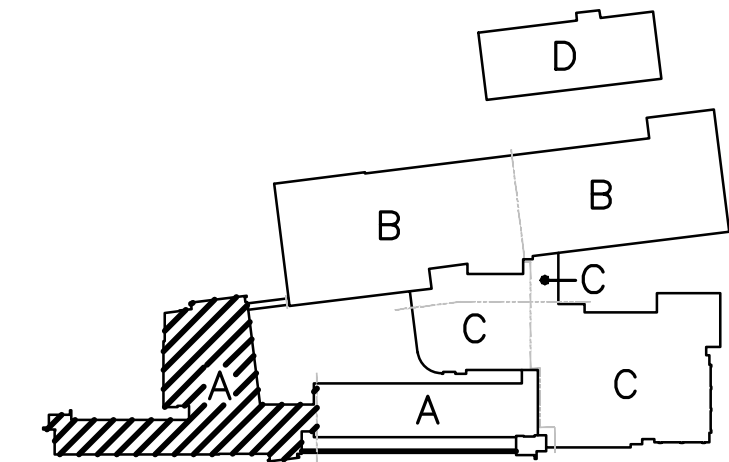
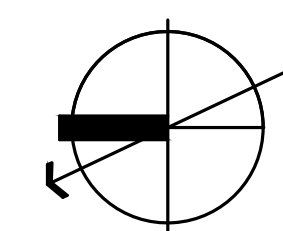
1 ROOF PLAN - AREA "A" & "C"
M1.10 SCALE: 1/8"=1'-0"



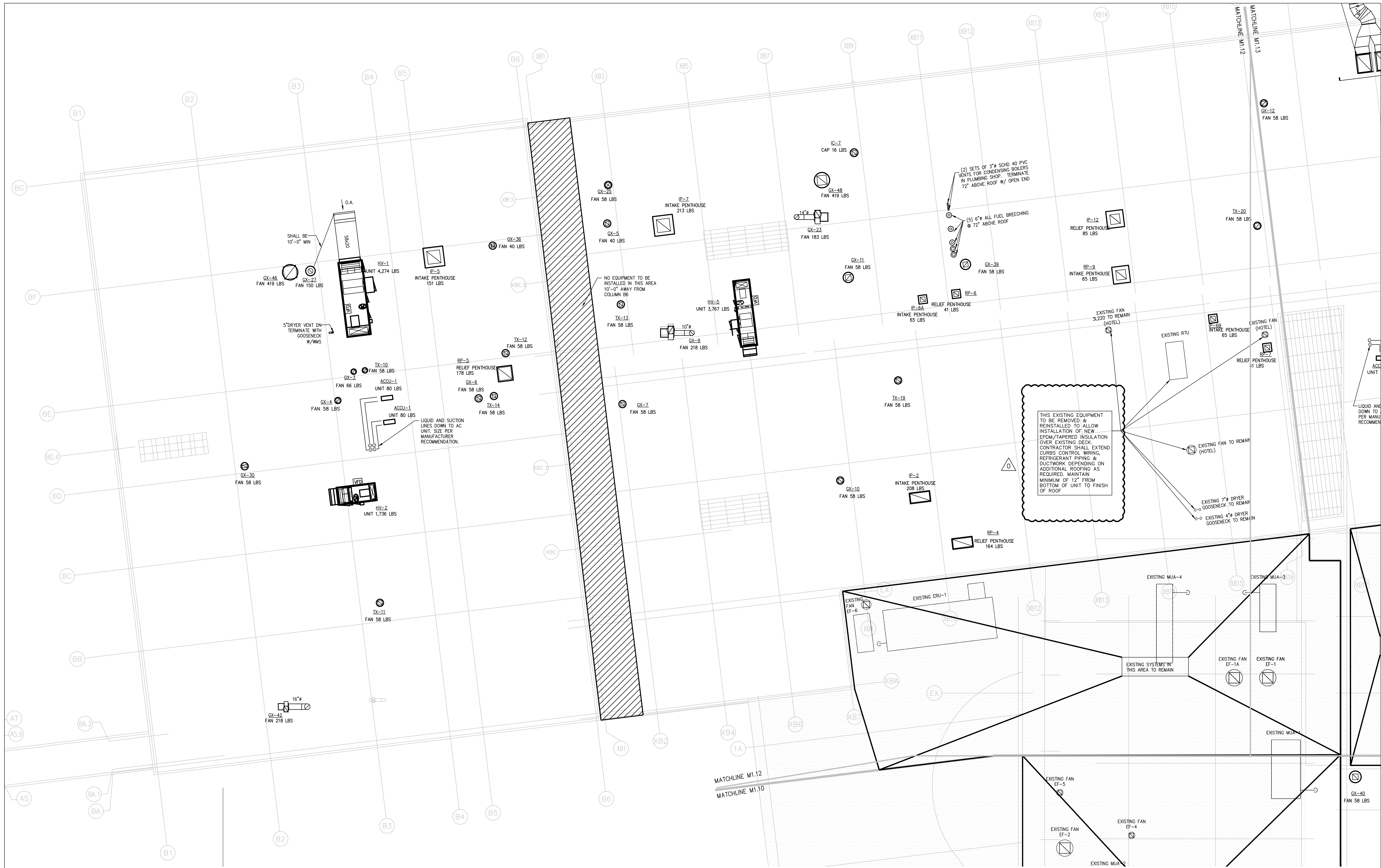
Drawing Title ROOF PLAN - AREA "A" & "C" MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark Δ	REVISD: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Date: 1/28/2011 Scale: 1/8"=1'-0" Drawn By WJY Approved By CFR Drawing No. M1.10
CAD No. 0532 M-DD-ROOF NEW.DWG		Project No. BI-RT-843	



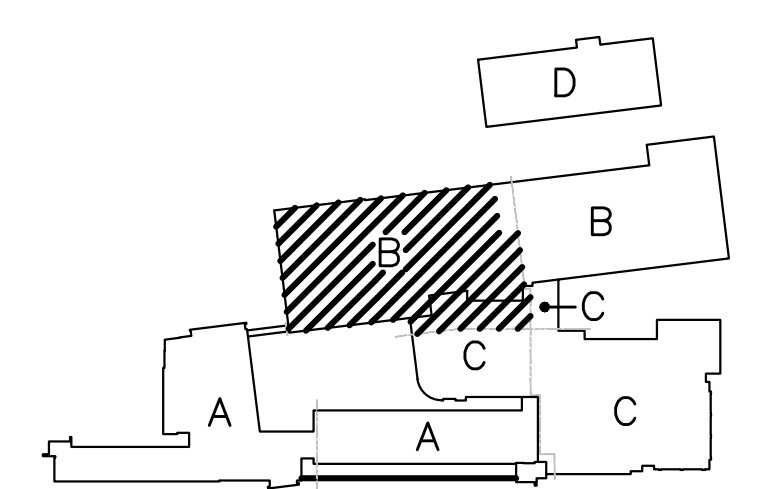
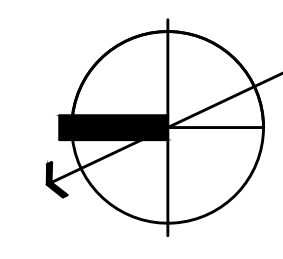
1 ROOF PLAN - AREA "A"
M1.11 SCALE: 1/8"=1'-0"



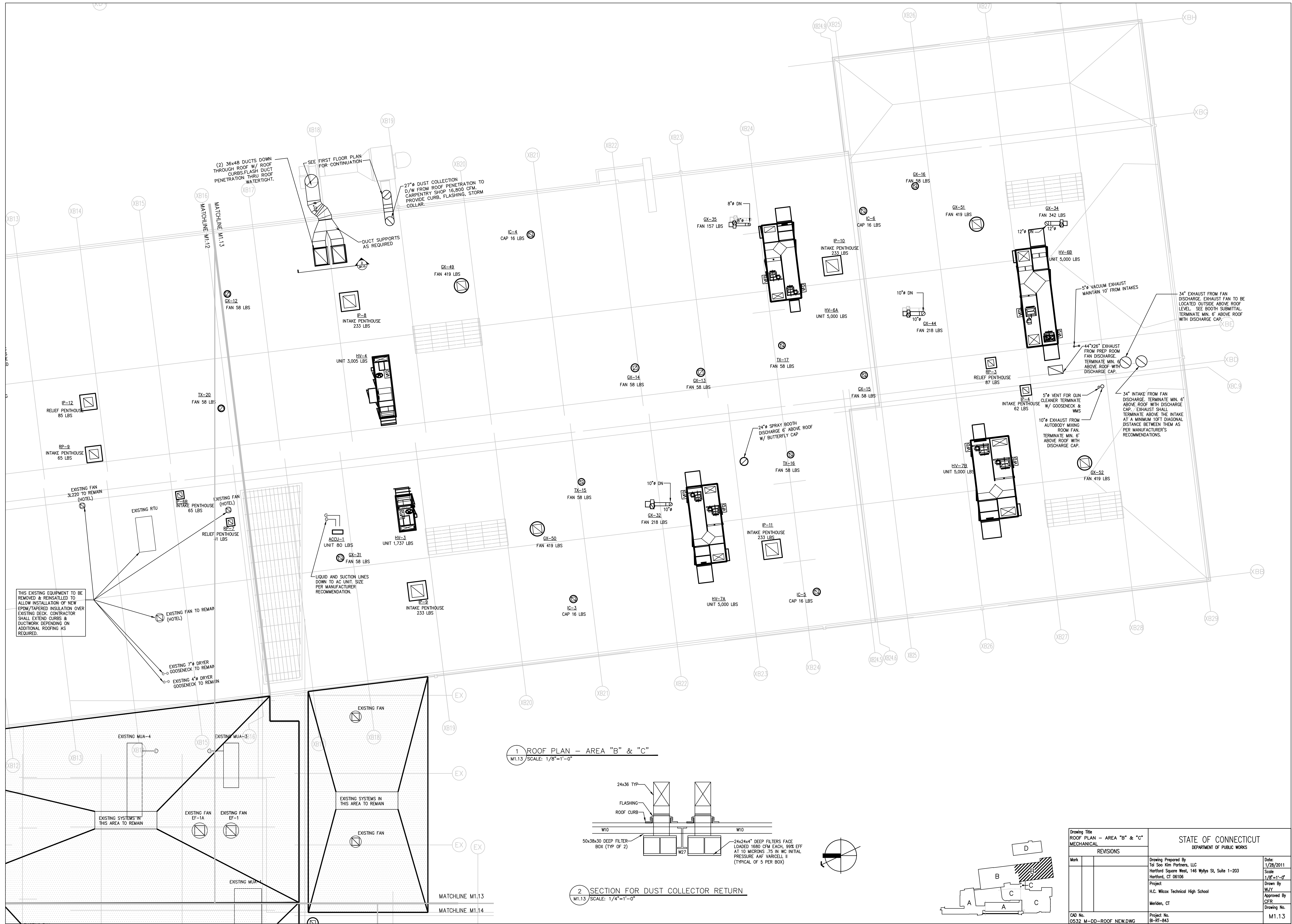
Drawing Title		STATE OF CONNECTICUT	
ROOF PLAN - AREA "A"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By WJK	Approved By CFR
CAD No. 0532 M-DD-ROOF NEW.DWG		Project No. BI-RT-843	Drawing No. M1.11



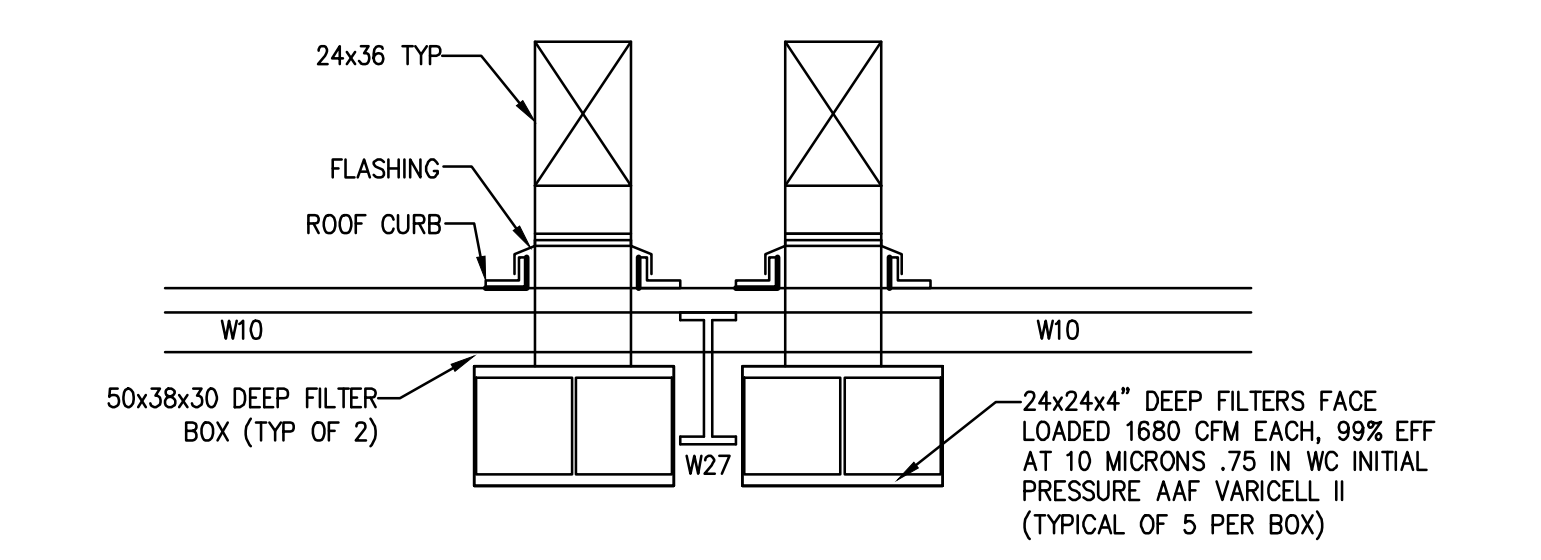
1 ROOF PLAN - AREA "B" & "C"
M1.12 SCALE: 1/8"=1'-0"



Drawing Title ROOF PLAN - AREA "B" & "C" MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Mark	REVISIONS	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By WJK Approved By CFR Drawing No. M1.12
CAD No. 0532 M-DD-ROOF NEW.DWG		Project No. BI-RT-843	

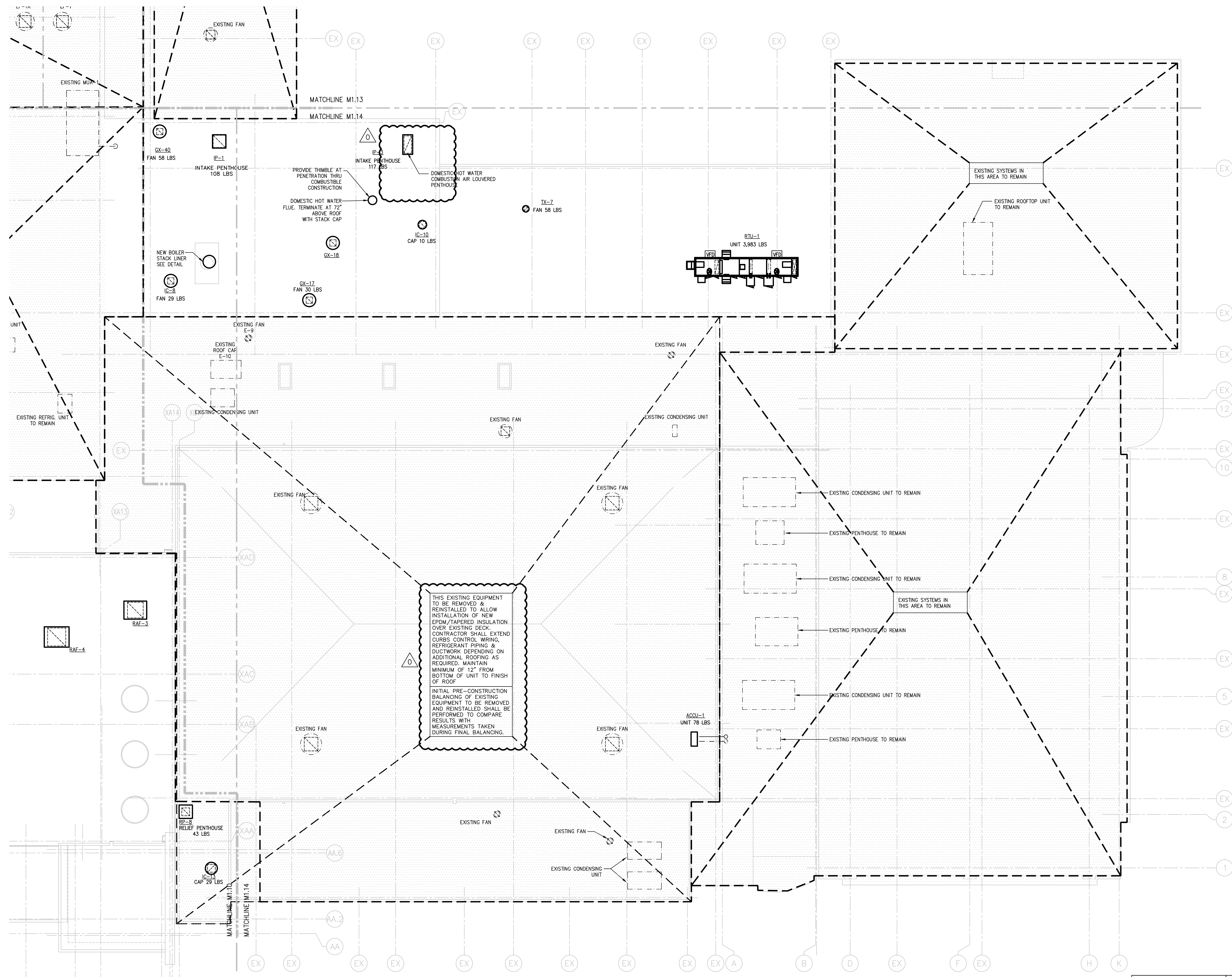


1 ROOF PLAN - AREA "B" & "C"
M1.13 SCALE: 1/8"=1'-0"



2 SECTION FOR DUST COLLECTOR RETURN
M1.13 SCALE: 1/4"=1'-0"

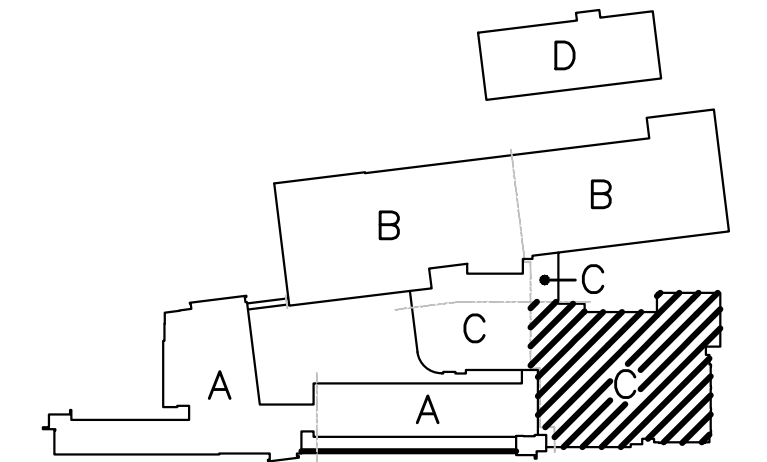
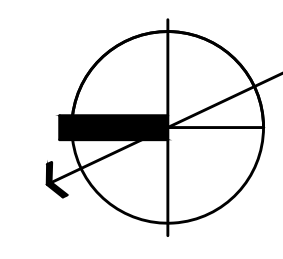
Drawing Title		STATE OF CONNECTICUT	
ROOF PLAN - AREA "B" & "C"		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By Tol Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By WJY	Approved By CFR
CAD No. 0532 M-DD-ROOF NEW.DWG		Project No. BI-RT-843	Drawing No. M1.13



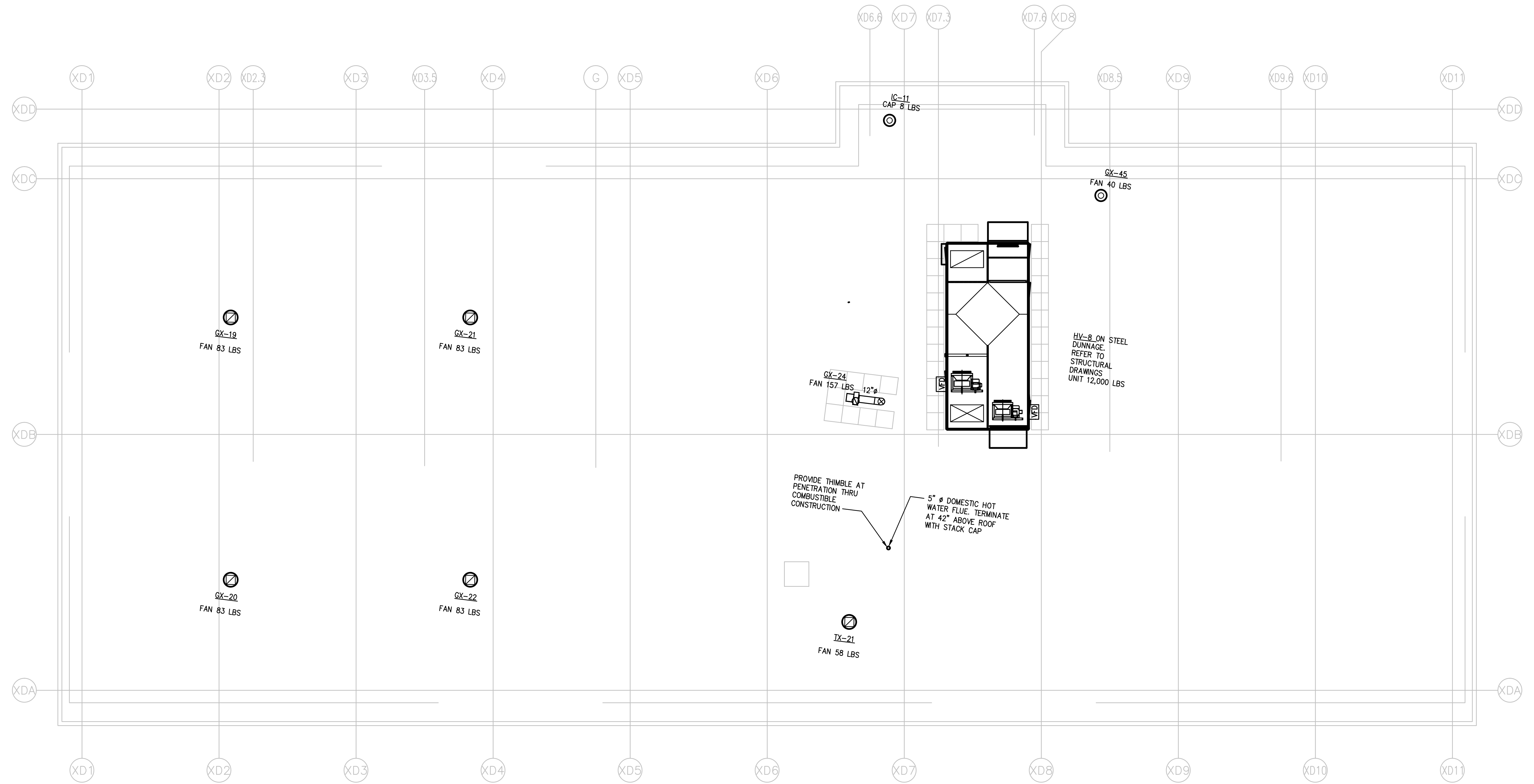
THIS EXISTING EQUIPMENT TO BE REMOVED & REINSTALLED TO ALLOW INSTALLATION OF NEW EPDM/TAPERED INSULATION OVER EXISTING DECK. CONTRACTOR SHALL EXTEND CURBS CONTROL WIRING, REFRIGERANT PIPING & DUCTWORK DEPENDING ON ADDITIONAL ROOFING AS REQUIRED. MAINTAIN MINIMUM OF 12" FROM BOTTOM OF UNIT TO FINISH OF ROOF.

INITIAL PRE-CONSTRUCTION BALANCING OF EXISTING EQUIPMENT TO BE REMOVED AND REINSTALLED SHALL BE PERFORMED TO COMPARE RESULTS WITH MEASUREMENTS TAKEN DURING FINAL BALANCING.

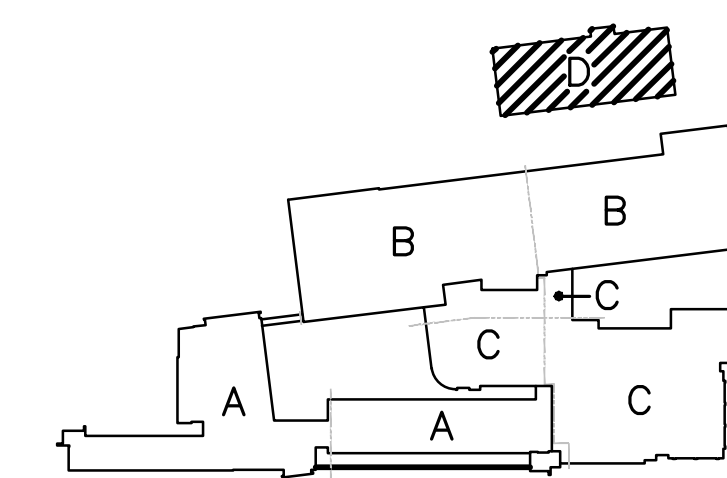
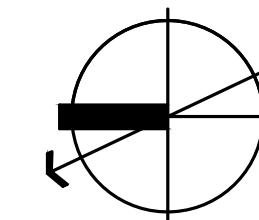
1 ROOF PLAN - AREA "C"
M1.14 SCALE: 1/8"=1'-0"



Drawing Title ROOF PLAN - AREA "C" MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Mark	REVISIONS	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By WJK Approved By CFR Drawing No. M1.14
Δ	REVISED: 09/09/2011	Project No. BI-RT-843	
CAD No. 0532 M-DD-ROOF NEW.DWG			



1 ANNEX BUILDING ROOF PLAN - AREA "D"
 M1.15 SCALE: 1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT	
ROOF PLAN - AREA "D" MECHANICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By WJK Approved By CFR Drawing No. M1.15
		CAD No. 0532 M-DD-ROOF NEW.DWG	Project No. BI-RT-843

KEYNOTES

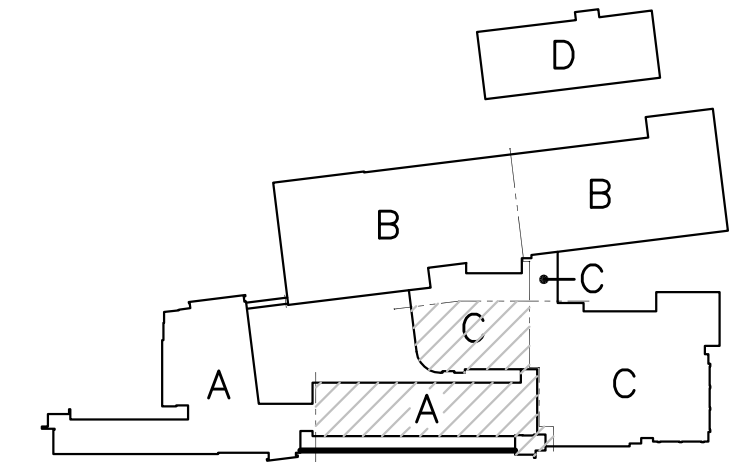
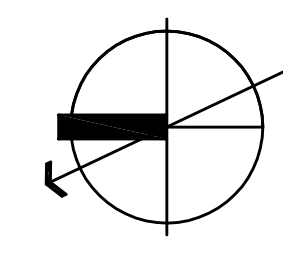
① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 3/4" UNLESS OTHERWISE NOTED.

PIPING GENERAL NOTES (APPLIES TO ALL PIPING DRAWINGS):

1. SIZE PIPE RUNOUTS TO TERMINAL UNITS PER FOLLOWING SCHEDULE:
0-3 GPM = 3/4"
3.1-7 GPM = 1"
2. SEISMIC JOINTS, MASON MODEL VFL FOR HOT WATER PIPING & MASON VCPS MODEL FOR CHILLED WATER PIPING.
3. EXPANSION JOINTS, MASON MODEL HEJFL4 FOR HOT WATER PIPING.
4. PROVIDE ISOLATION VALVES ON ALL PIPING TAKEOFFS THAT SERVE MORE THAN ONE TERMINAL UNITS THROUGHOUT AND ELSEWHERE AS INDICATED.



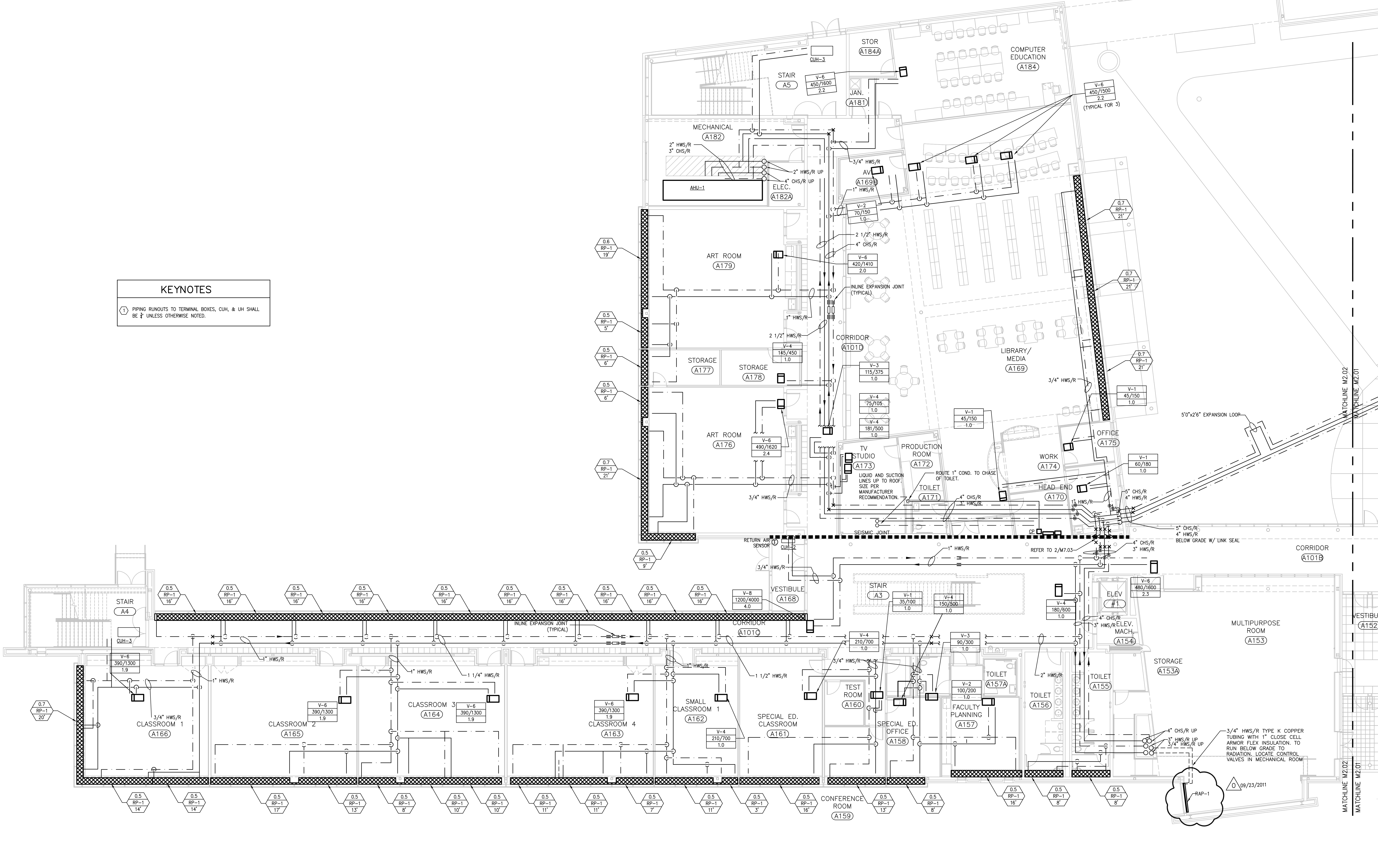
① FIRST FLOOR PLAN - AREA "A" & "C"
M2.01 SCALE: 1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PIPING PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "A" & "C" - MECHANICAL		REVISIONS	
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Approved By CR	Drawn By RY
		Project No. B-RT-843	Approved By CR
CAD No. 0532M-DD-FIRSTFLRPIPING.DWG			Drawing No. M2.01

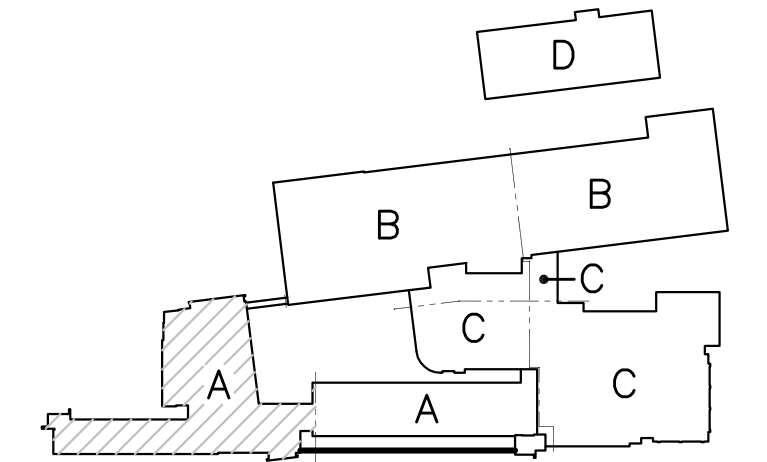
KEYNOTES

① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 2" UNLESS OTHERWISE NOTED.

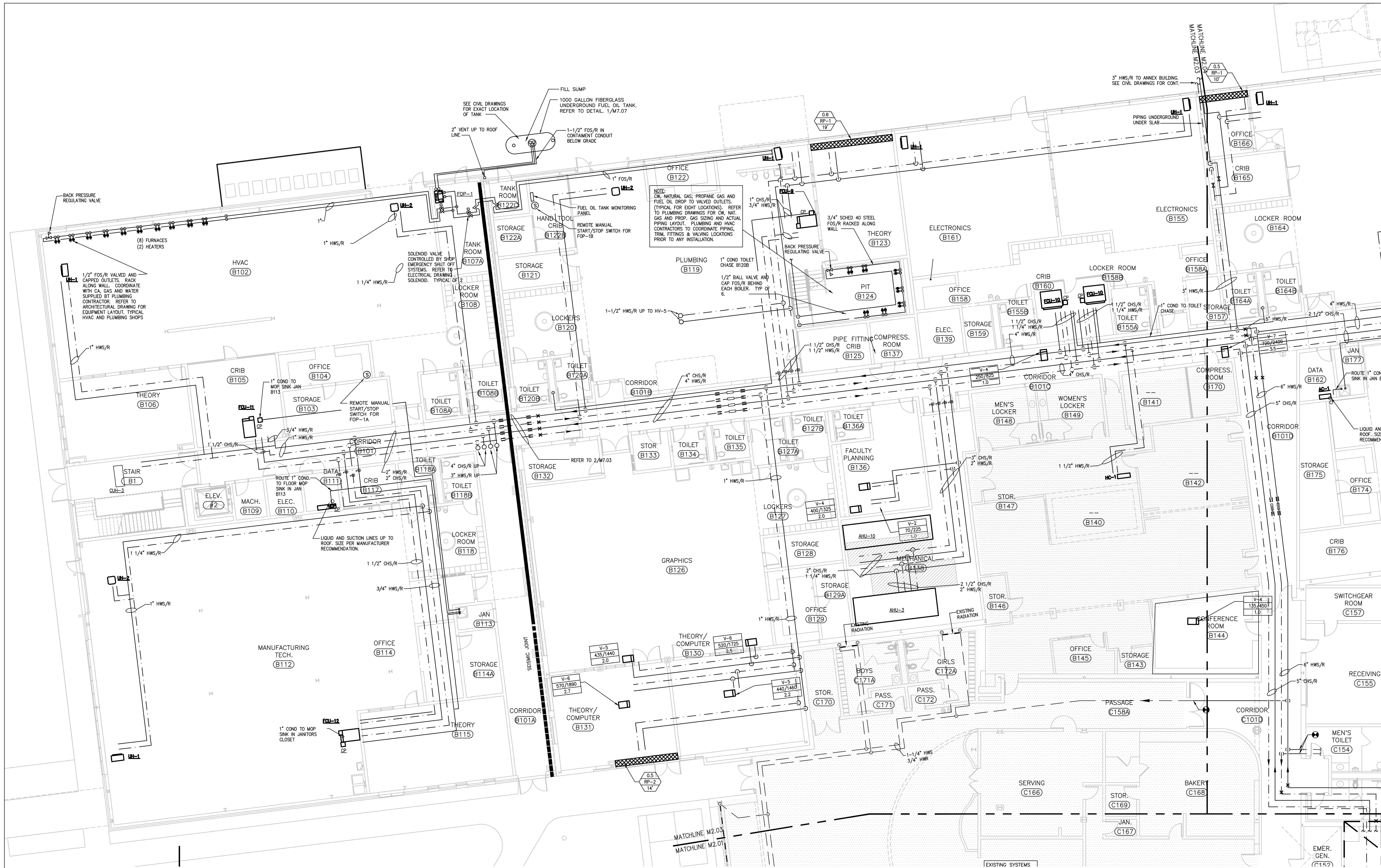


1 FIRST FLOOR PLAN - AREA "A"
M2.02 / SCALE: 1/8"=1'-0"

REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISION	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RV
		Approved By CR	Approved By CR
CAD No. 0532M-DD-FIRSTFLRPIPING.DWG		Project No. B-RT-843	Drawing No. M2.02

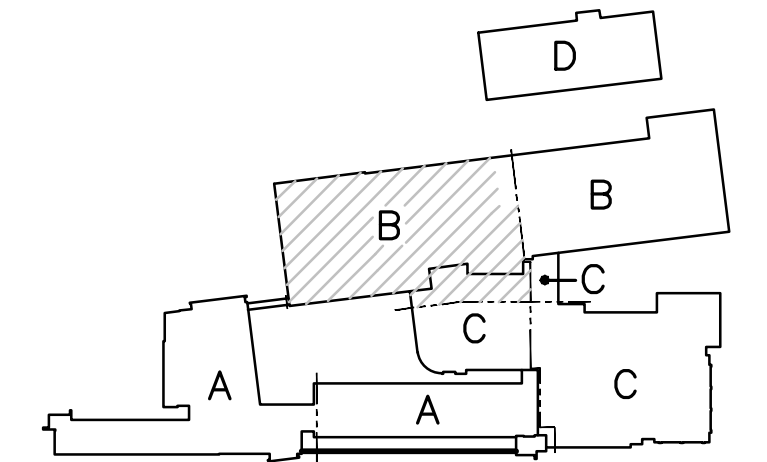
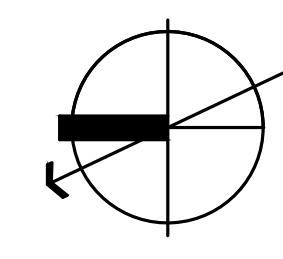


MATCHLINE M2.02
MATCHLINE M2.01



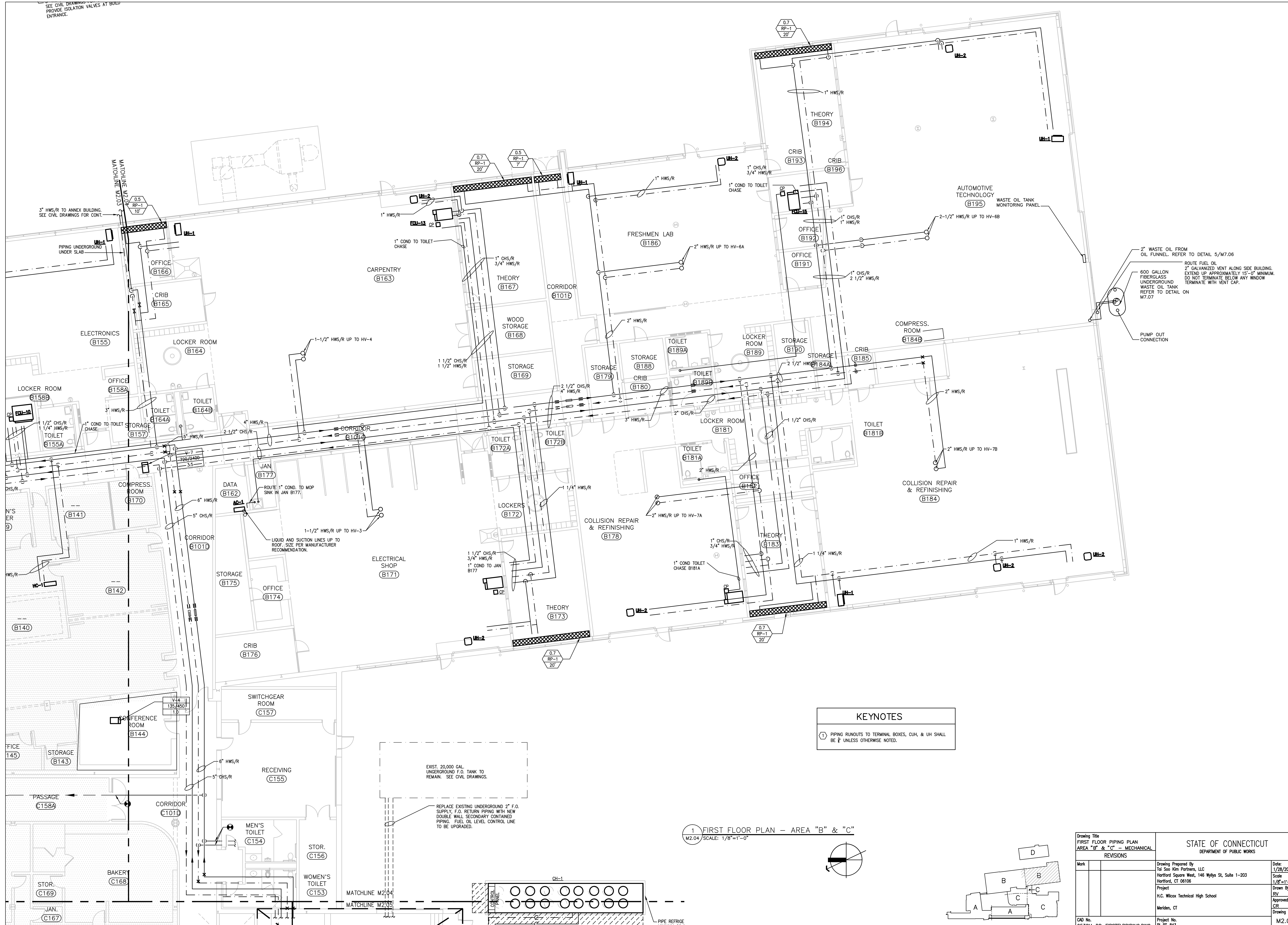
1 FIRST FLOOR PLAN - AREA "B" & "C"
M2.03 SCALE: 1/8"=1'-0"

KEYNOTES
 ① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 2' UNLESS OTHERWISE NOTED.



Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PIPING PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "B" & "C" - MECHANICAL		REVISIONS	
Mark		Drawing Prepared By	Date:
		Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	RY
		Meriden, CT	Approved By
			CR
		Project No.	Drawing No.
		0532M-DD-FIRSTFLRPIPING.DWG	M2.03
		Bl-RT-843	

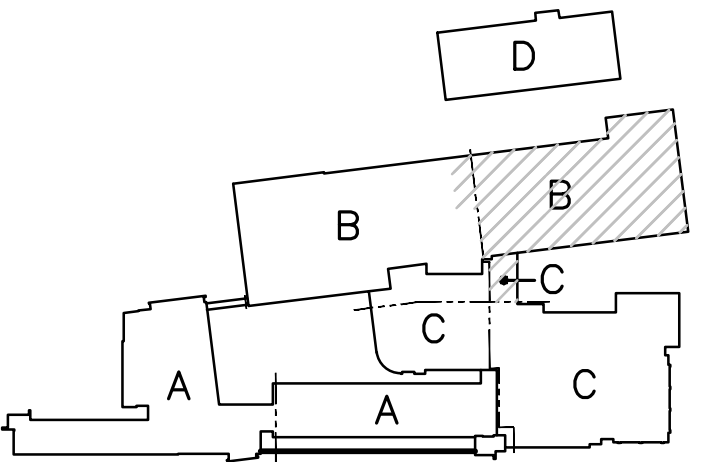
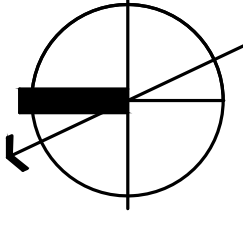
SEE CIVIL DRAWINGS FOR VALVE LOCATIONS AT BUILDING ENTRANCE.



KEYNOTES

① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 1/4\"/>

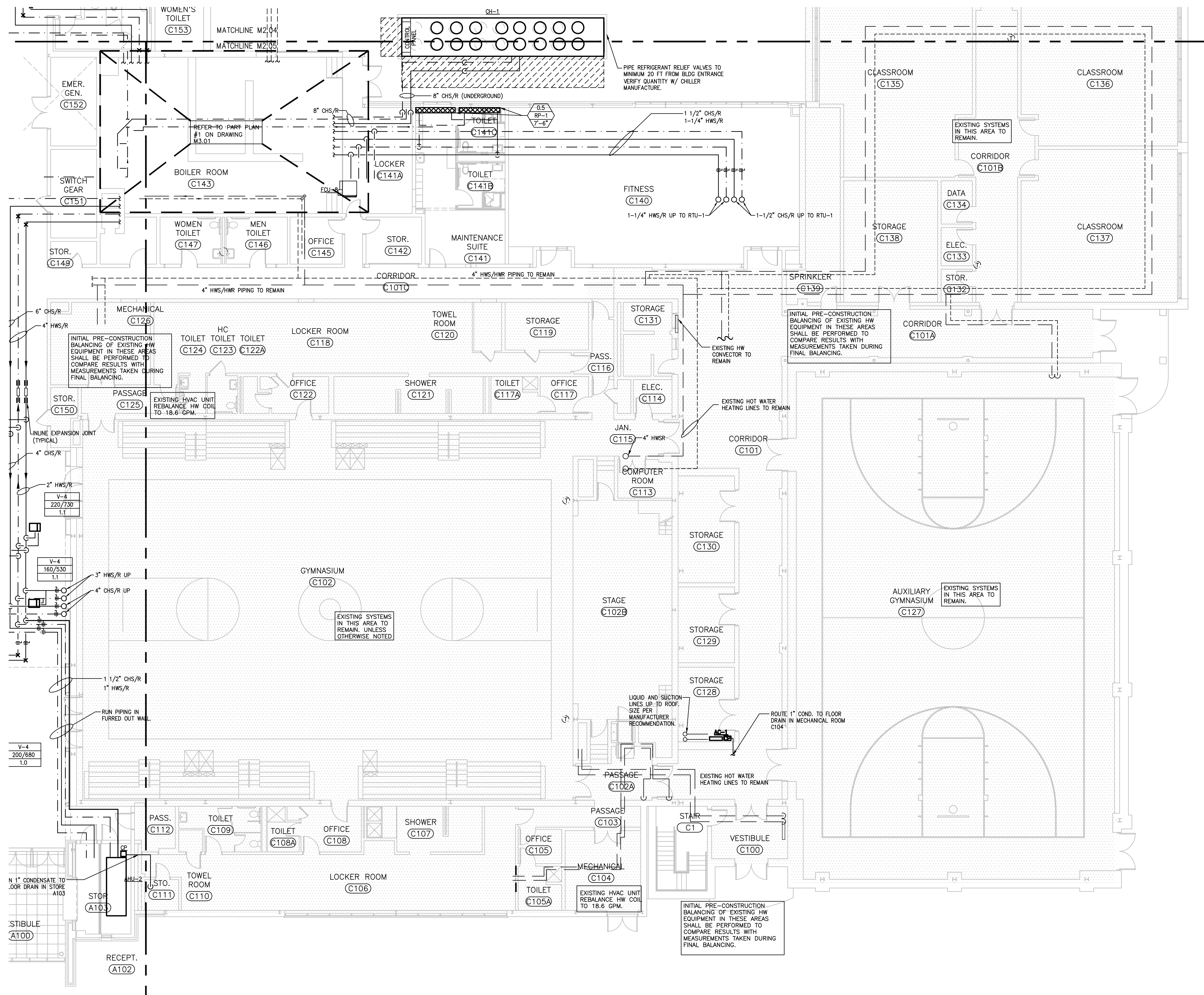
1 FIRST FLOOR PLAN - AREA "B" & "C"
M2.04 / SCALE: 1/8"=1'-0"



EXIST. 20,000 GAL. UNDERGROUND F.O. TANK TO REMAIN. SEE CIVIL DRAWINGS.

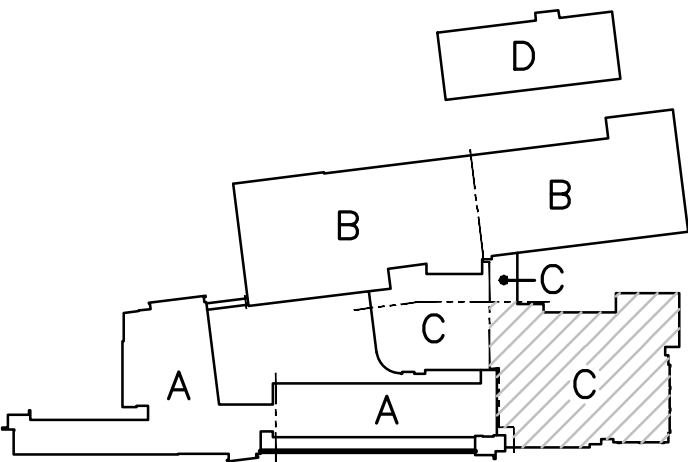
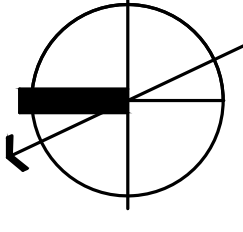
REPLACE EXISTING UNDERGROUND 2" F.O. SUPPLY, F.O. RETURN PIPING WITH NEW DOUBLE WALL SECONDARY CONTAINED PIPING. FUEL OIL LEVEL CONTROL LINE TO BE UPGRADED.

Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PIPING PLAN AREA "B" & "C" - MECHANICAL		REVISIONS	
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School		Drawn By RY	Approved By CR
CAD No. 0532M-DD-FIRSTFLRPIPING.DWG		Project No. BI-RT-843	Drawing No. M2.04

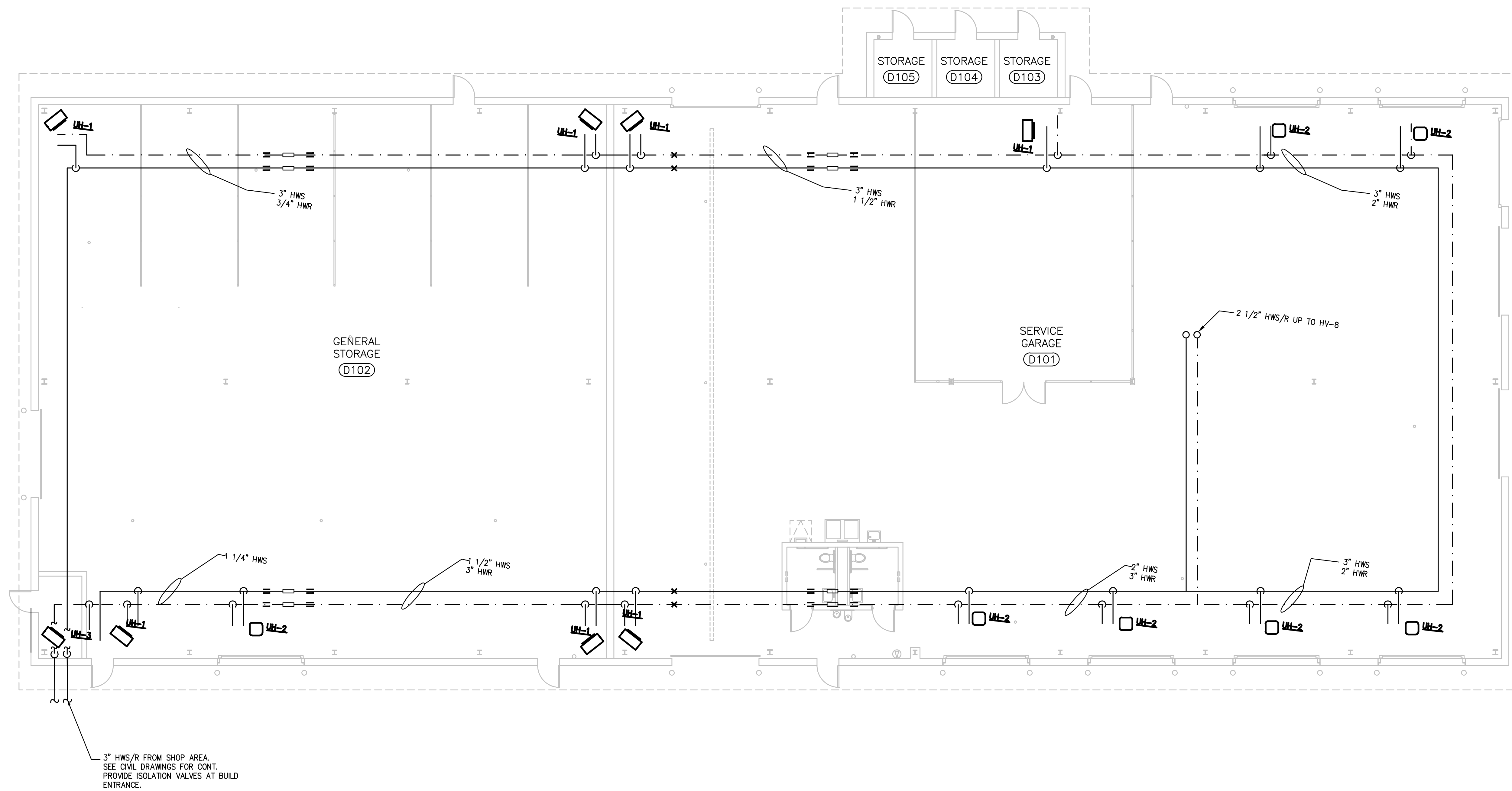


KEYNOTES	
	PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE ∇ UNLESS OTHERWISE NOTED.

1 FIRST FLOOR PLAN - AREA "C"
 W2.05 SCALE: 1/8"=1'-0"



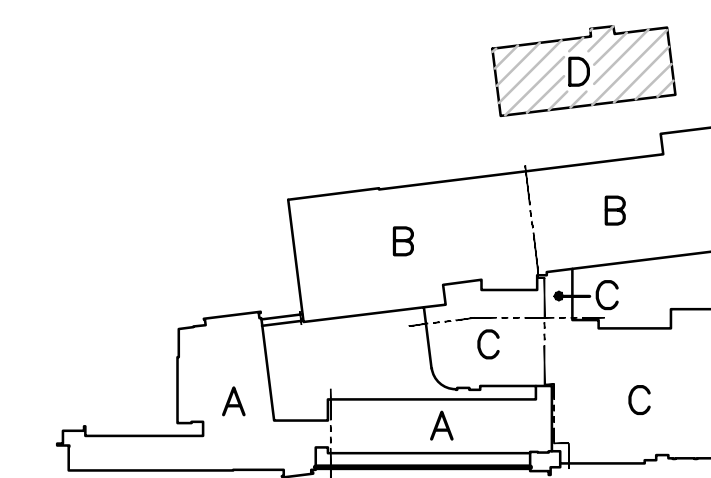
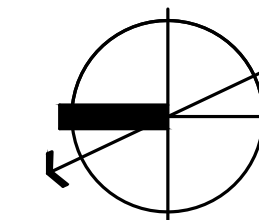
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PIPING PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "C" - MECHANICAL		REVISIONS	
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RY Approved By CR Drawing No. M2.05
CAD No. 0532M-DD-FIRSTFLRPPING.DWG		Project No. BI-RT-843	



1 FIRST FLOOR PLAN - AREA "D"
M2.06 / SCALE: 1/8"=1'-0"

KEYNOTES

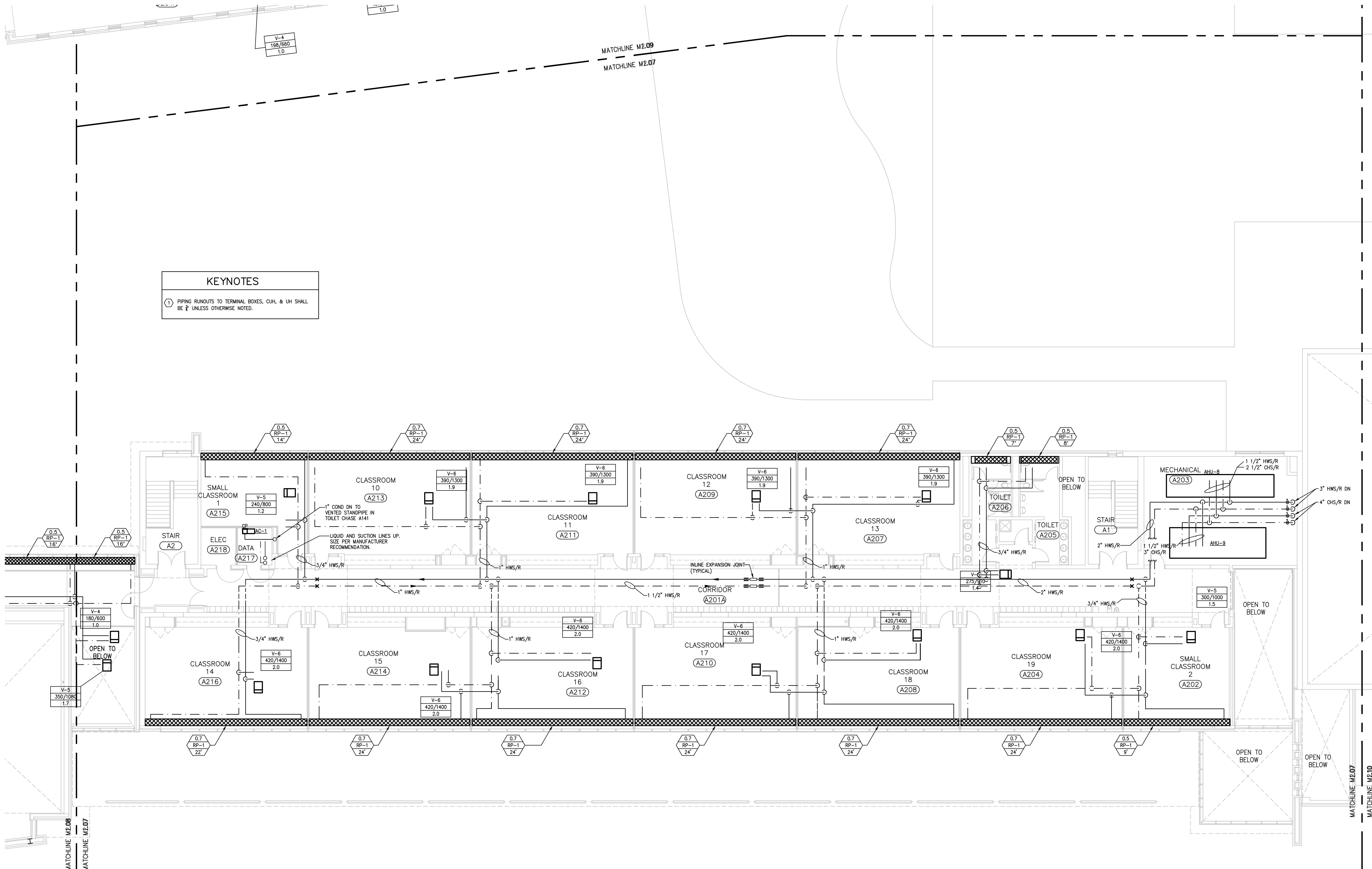
- ① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 3' UNLESS OTHERWISE NOTED.



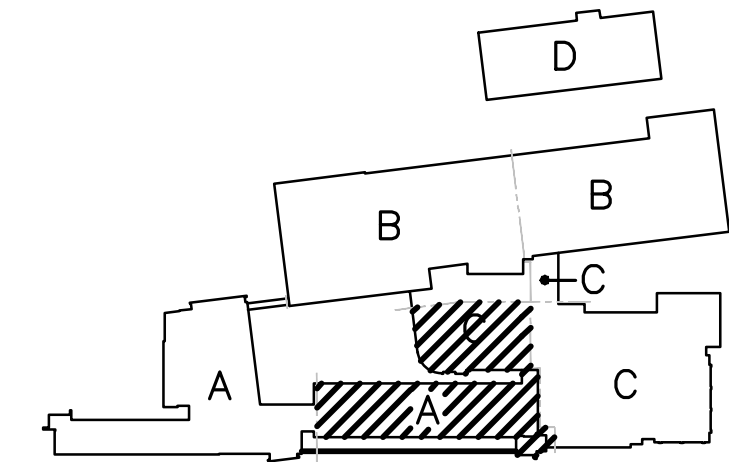
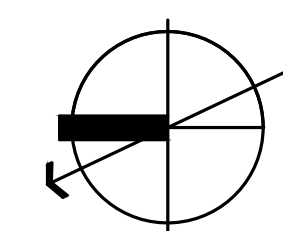
Drawing Title FIRST FLOOR PIPING PLAN AREA "D" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		CAD No. 0532M-DD-FIRSTFLRPIPING.DWG	Project No. BI-RT-843
			Drawn By RY Approved By CR Drawing No. M2.06

KEYNOTES

① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 1/2" UNLESS OTHERWISE NOTED.



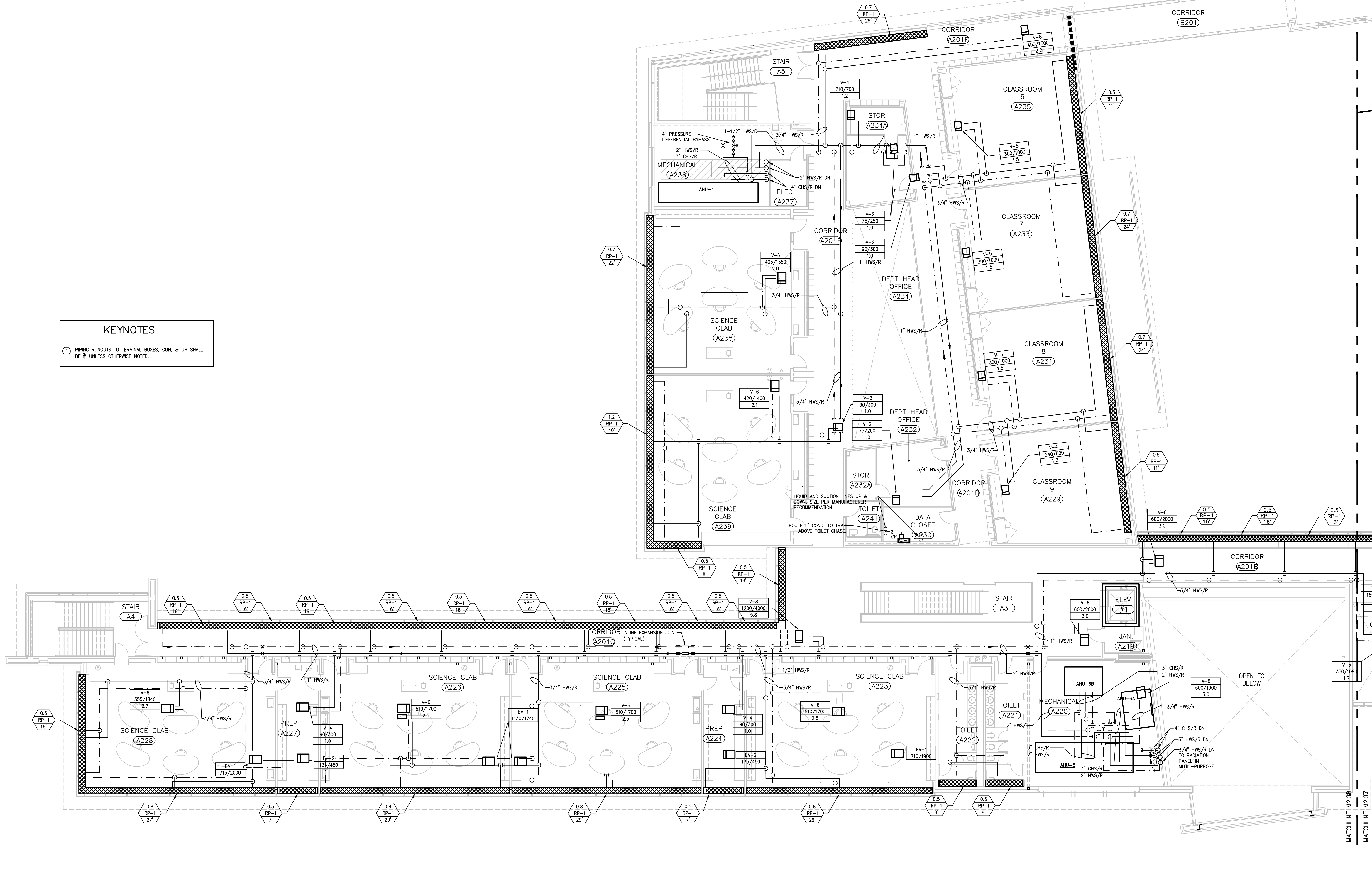
① SECOND FLOOR PLAN - AREA "A" & "C"
M2.07 SCALE: 1/8"=1'-0"



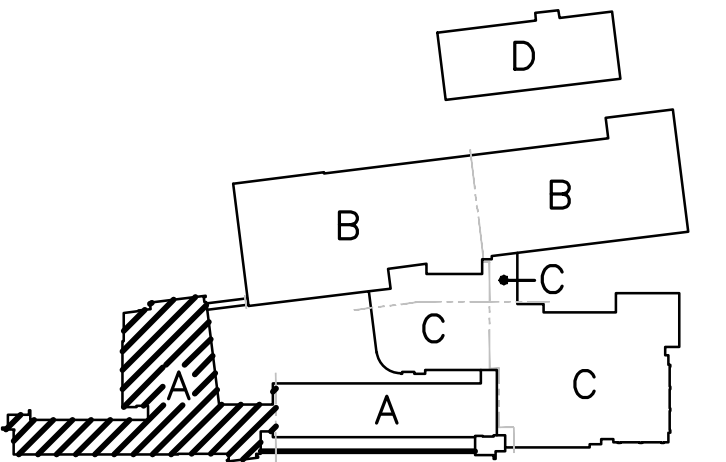
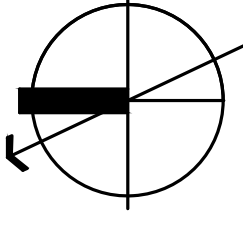
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PIPING PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "A" & "C" - MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By RV	Approved By CR
CAD No. 0532M-DD-SECONDFLRPIPING.DWG		Project No. BI-RT-843	Drawing No. M2.07

KEYNOTES

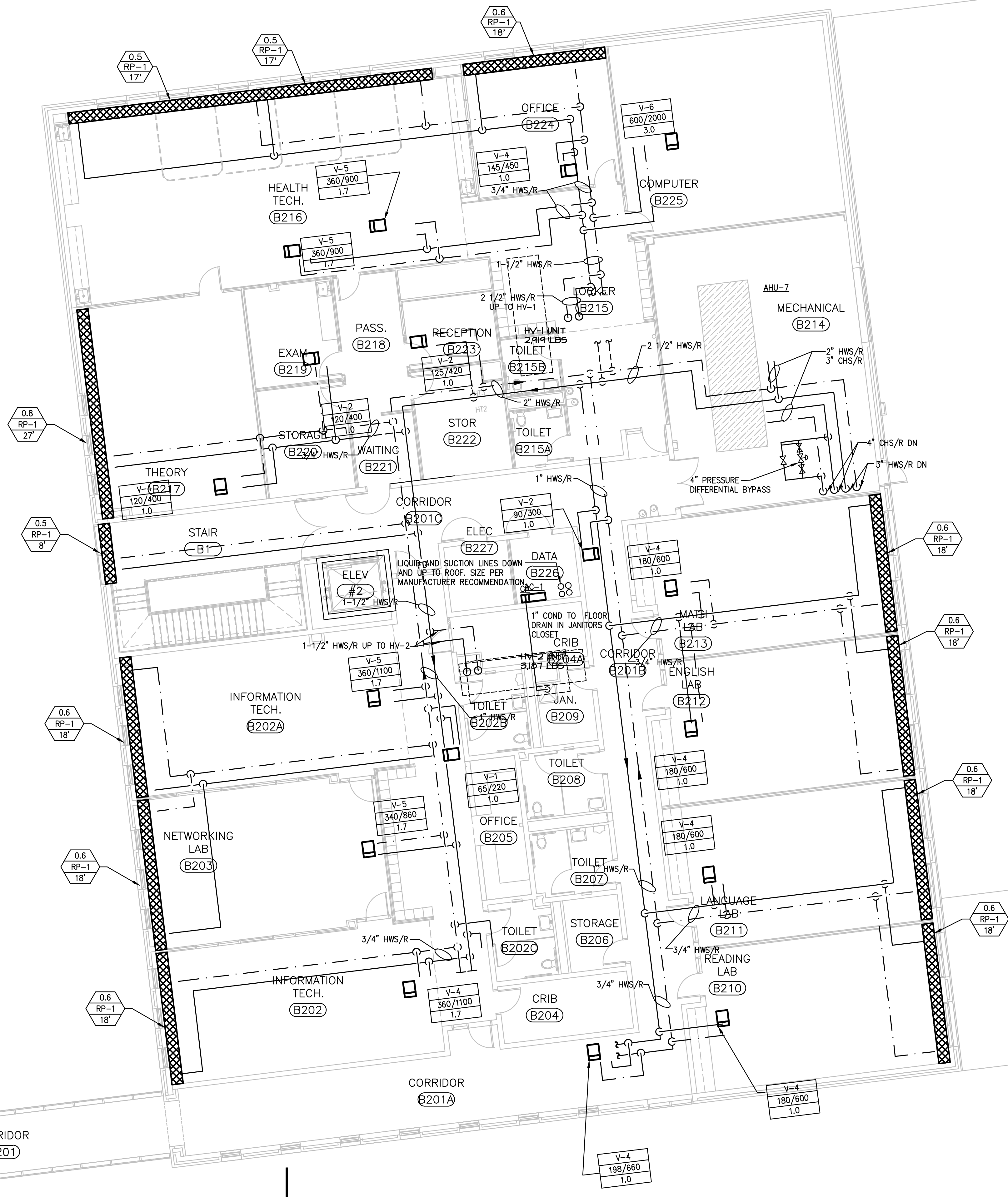
① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 3' UNLESS OTHERWISE NOTED.



1 SECOND FLOOR PLAN - AREA "A"
M2.08 SCALE: 1/8"=1'-0"



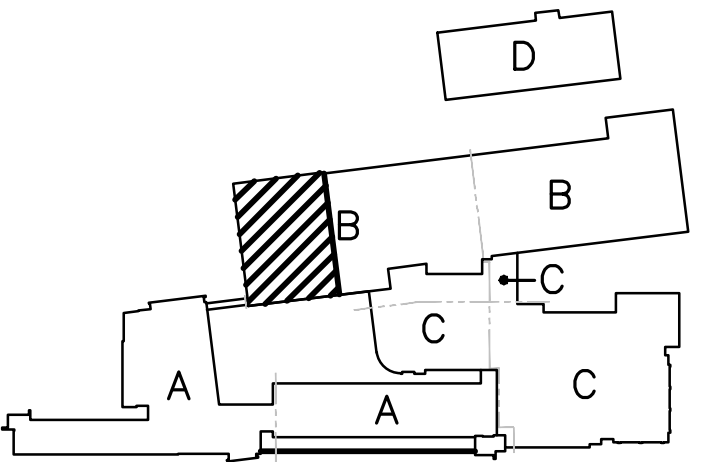
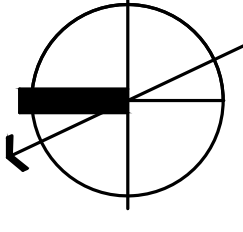
Drawing Title SECOND FLOOR PIPING PLAN AREA "A" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark	Description	Project H.C. Wilcox Technical High School Meriden, CT	Date: 1/28/2011 Scale: 1/8"=1'-0" Drawn By RV Approved By CR Drawing No. M2.08
CAD No. 0532M-DD-SECONDFLRPIPING.DWG		Project No. BI-RT-843	M2.08



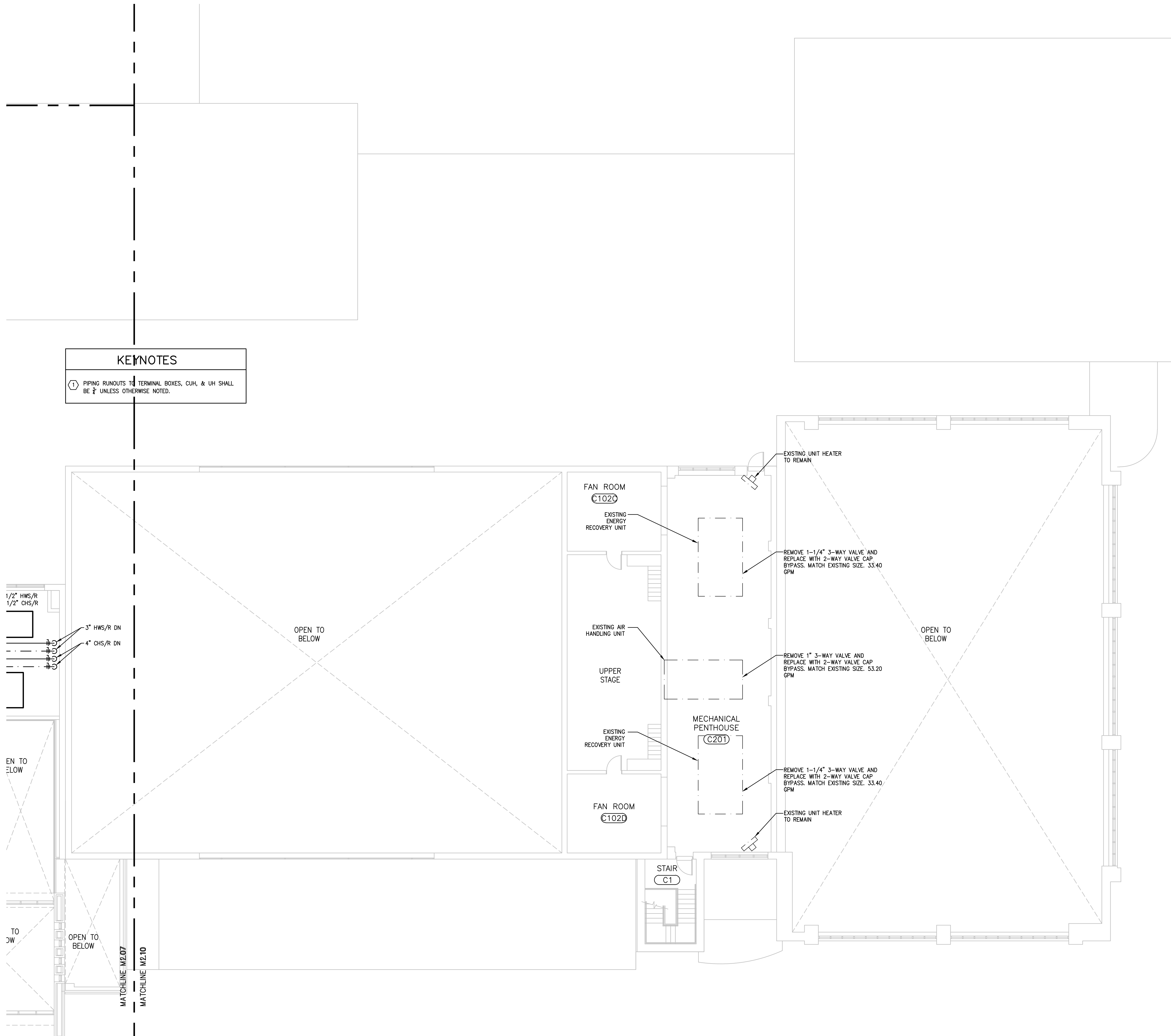
KEYNOTES

① PIPING RUNOUTS TO TERMINAL BOXES, CUH, & UH SHALL BE 3" UNLESS OTHERWISE NOTED.

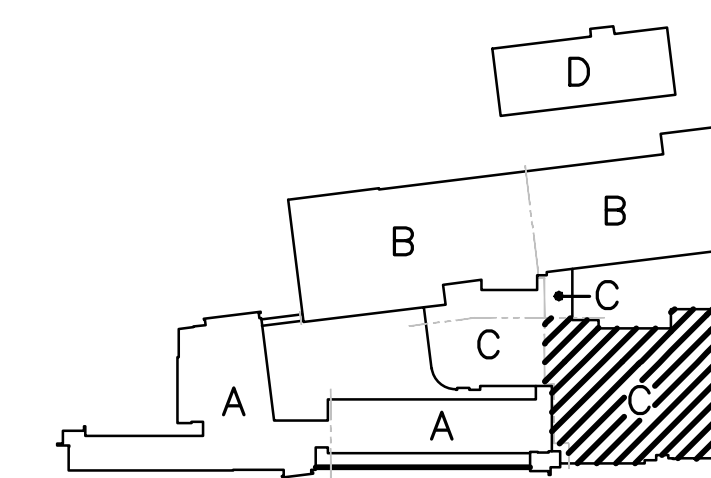
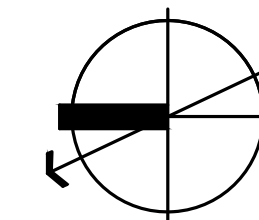
1 SECOND FLOOR PLAN - AREA "B"
M2.09 SCALE: 1/8"=1'-0"



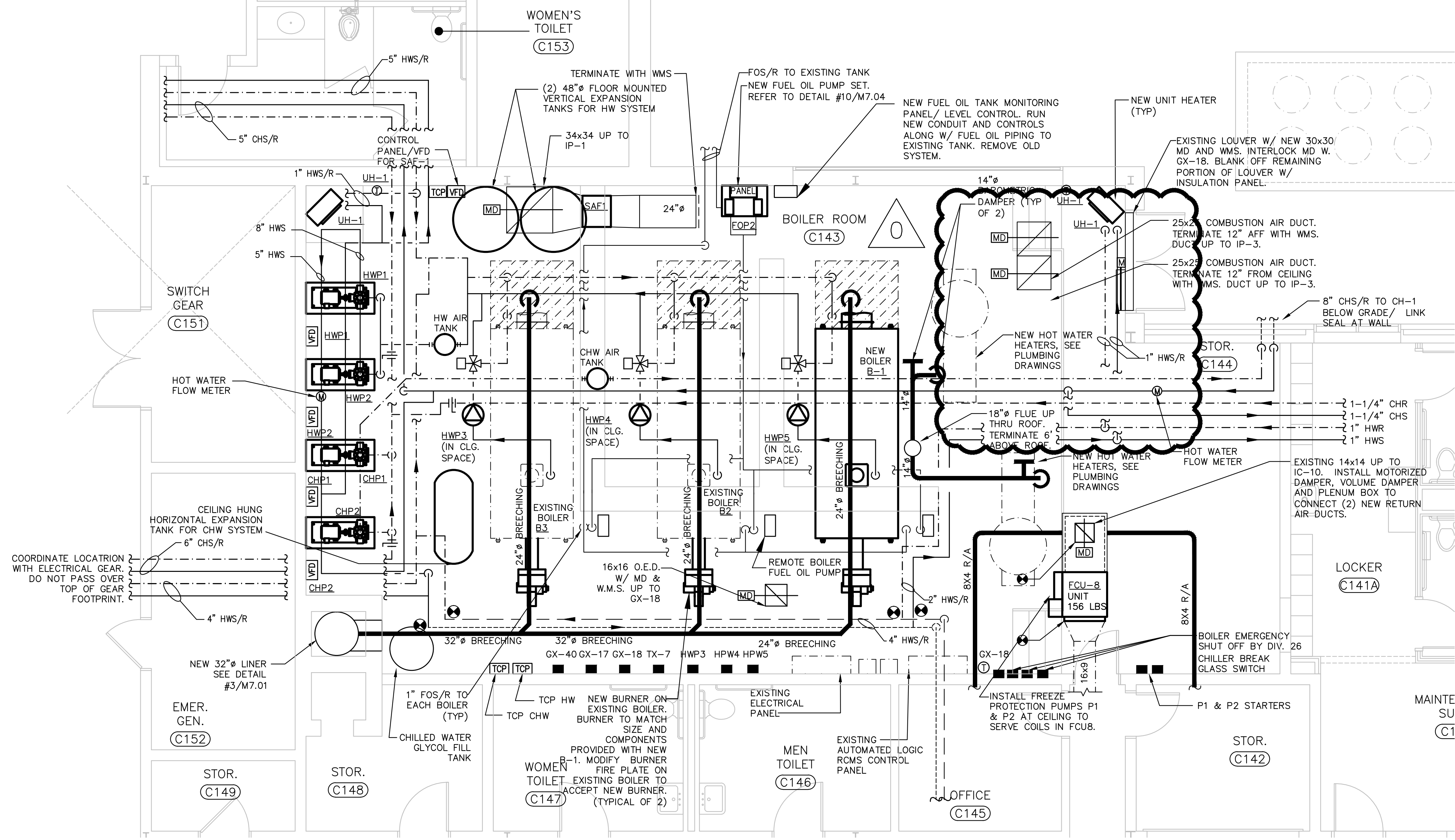
Drawing Title SECOND FLOOR PIPING PLAN AREA "B" - MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School	Scale 1/8"=1'-0"
		Approved By Meriden, CT	Drawn By RV
		Project No. 0532M-DD-SECONDFLRPIPING.DWG	Approved By CR
		Bl-RT-843	Drawing No. M2.09



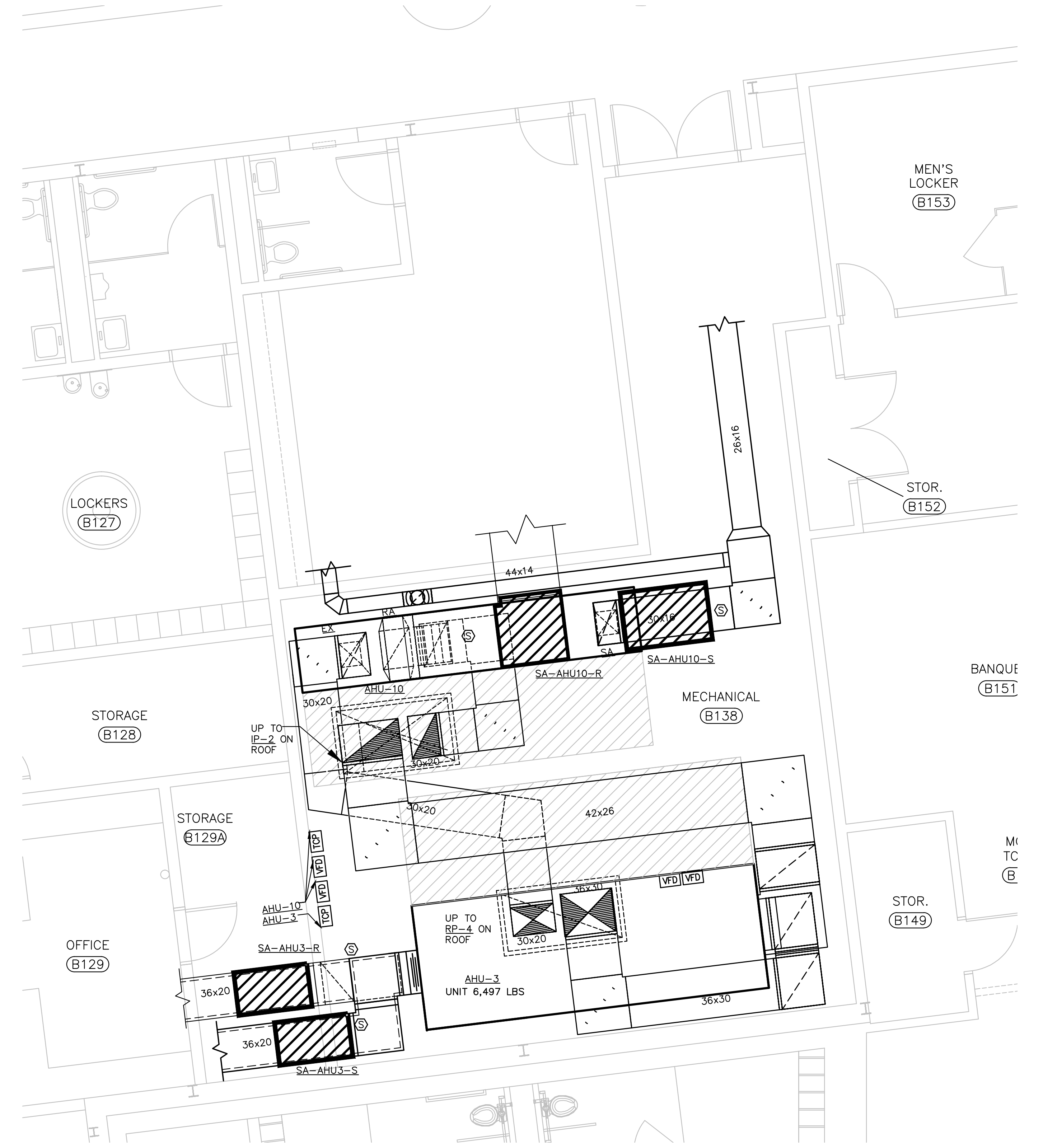
1 SECOND FLOOR PLAN - AREA "C"
M2.10 SCALE: 1/8"=1'-0"



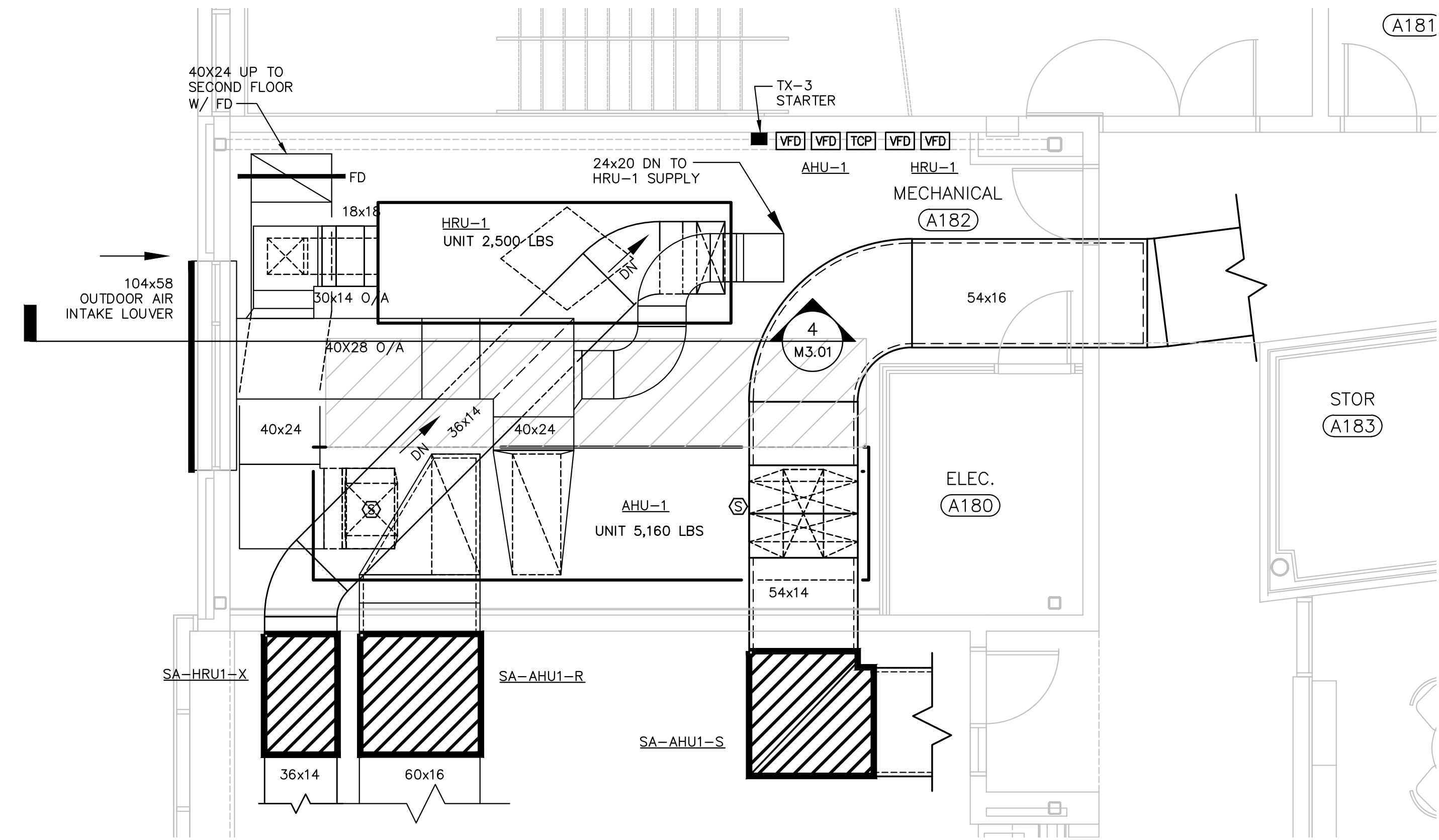
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PIPING PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "C" - MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Wyllys St, Suite 1-203		Scale	
Hartford, CT 06106		1/8"=1'-0"	
Project		Drawn By	
H.C. Wilcox Technical High School		JY	
Meriden, CT		Approved By	
		CR	
CAD No.		Project No.	
0532M-DD-SECONDFLRPIPING.DWG		M2.10	
B1-RT-843			



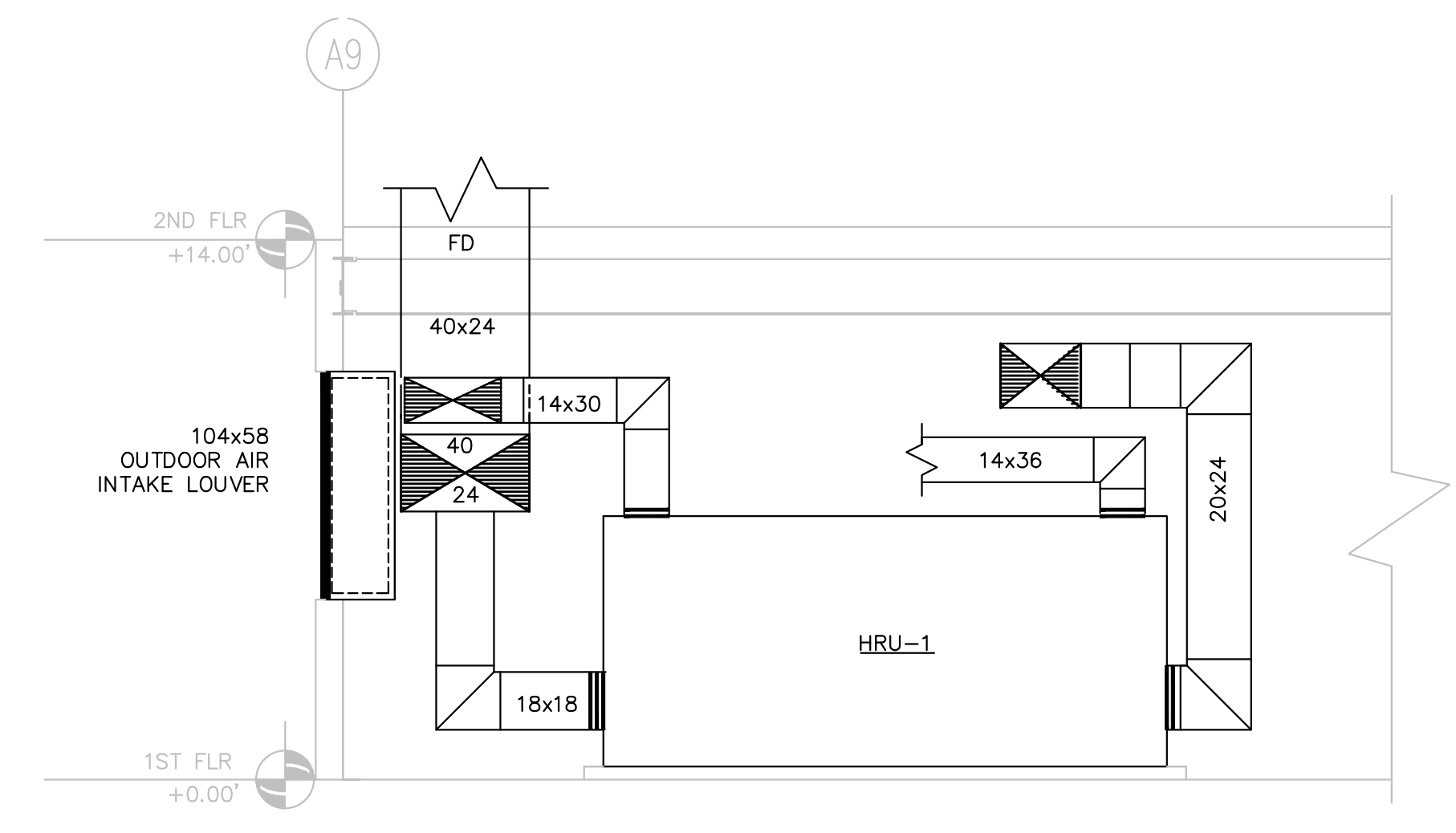
1 BOILER ROOM - AREA "C"
M3.01 SCALE: 1/4"=1'-0"



2 MECHANICAL ROOM - FIRST FLOOR AREA "B"
M3.01 SCALE: 1/4"=1'-0"

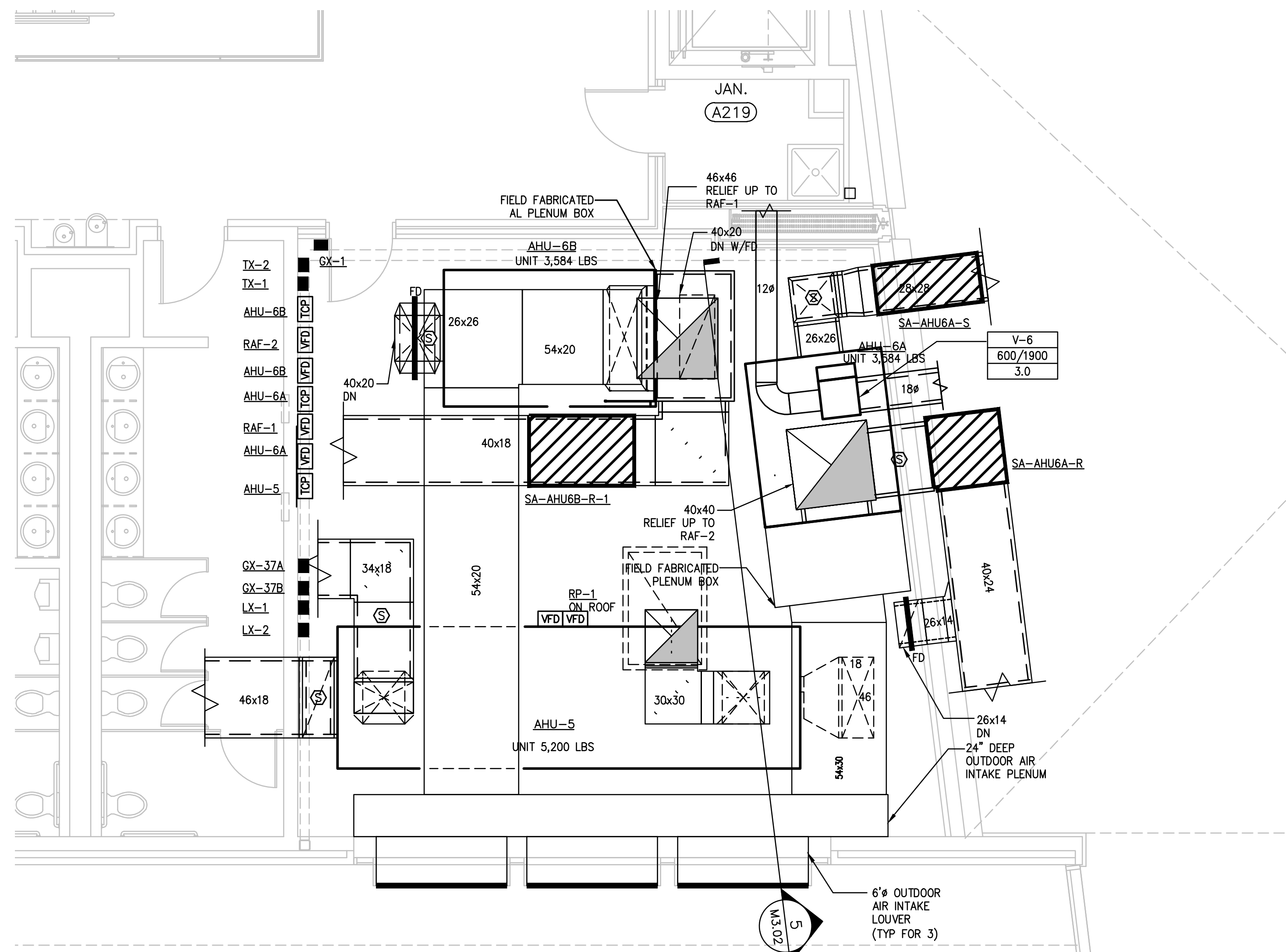


3 MECHANICAL ROOM - FIRST FLOOR AREA "A"
M3.01 SCALE: 1/4"=1'-0"

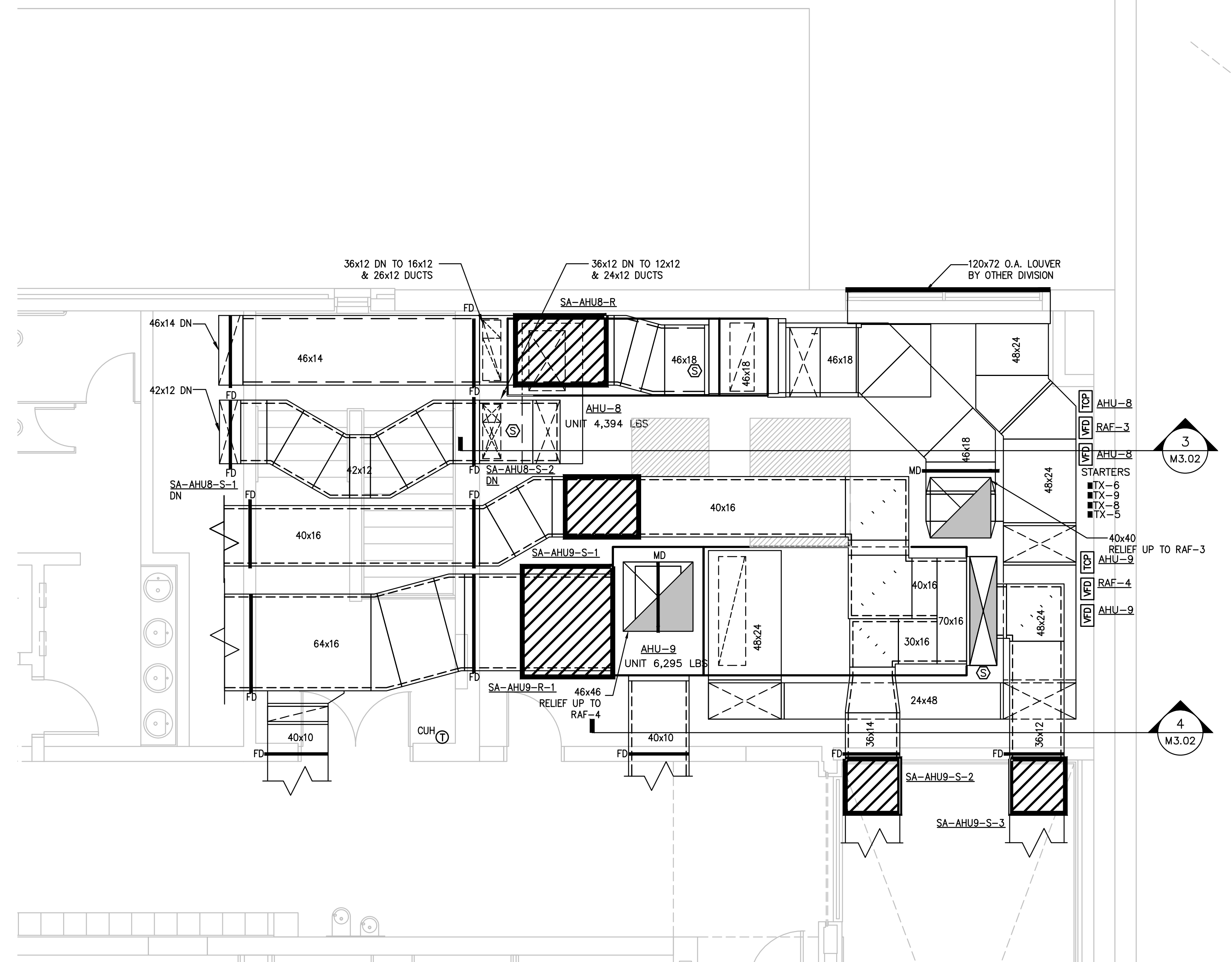


4 MECHANICAL ROOM - FIRST FLOOR AREA "A" HRU-1
M3.01 SCALE: 1/4"=1'-0"

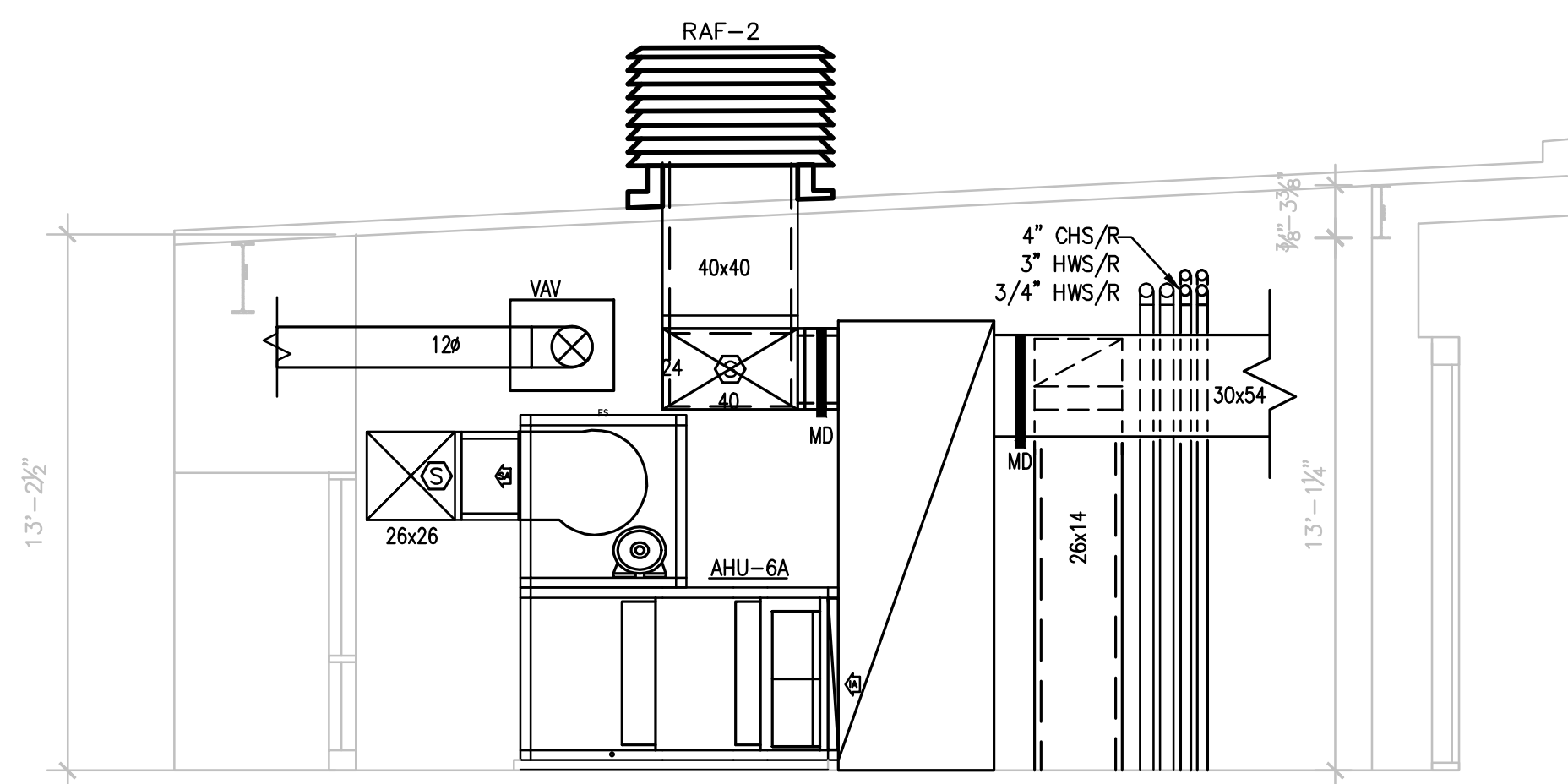
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR MECHANICAL ROOM		DEPARTMENT OF PUBLIC WORKS	
PART PLANS			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/4"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	RDV
		Meriden, CT	Approved By
			CFR
			Drawing No.
			M3.01
CAD No.	Project No.		
0532 M-FIRST FLR MER.DWG	81-RT-843		



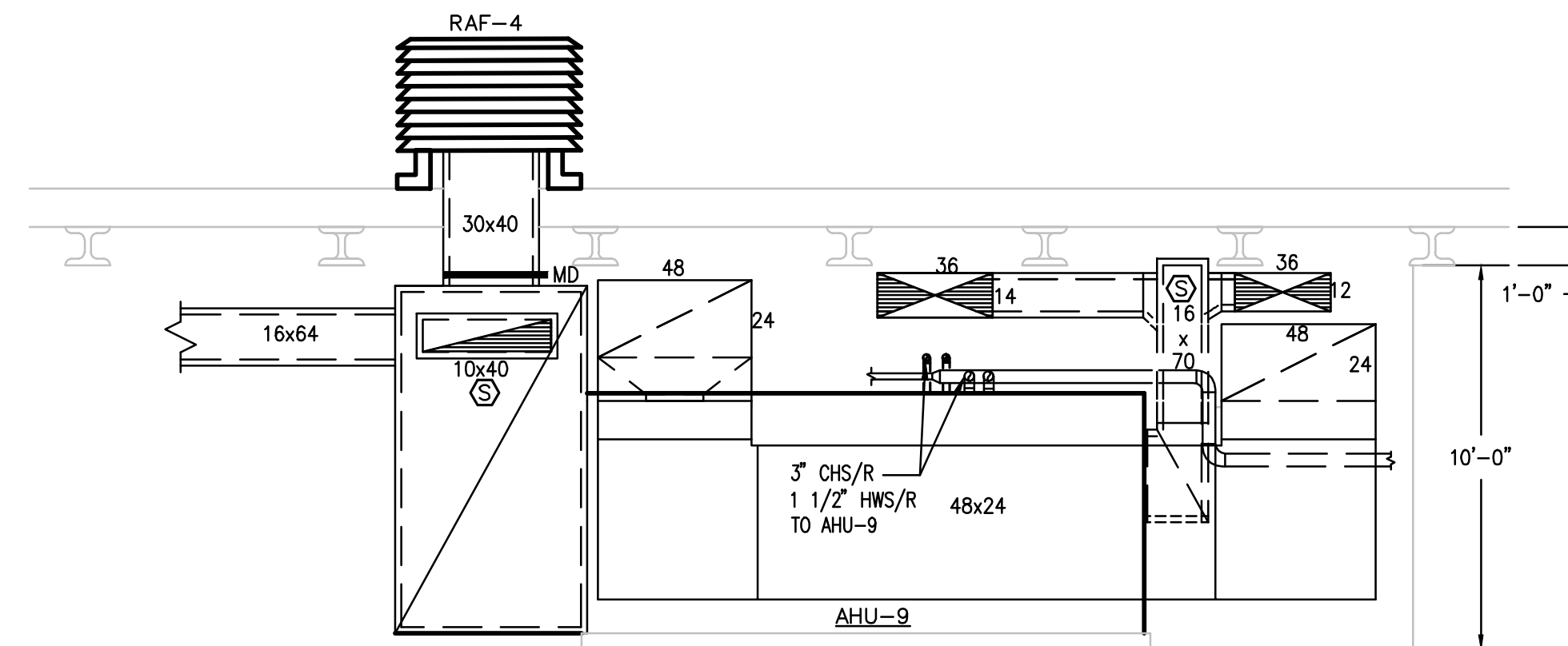
2 MECHANICAL ROOM - SECOND FLOOR AREA "A"
M3.02 SCALE: 1/4"=1'-0"



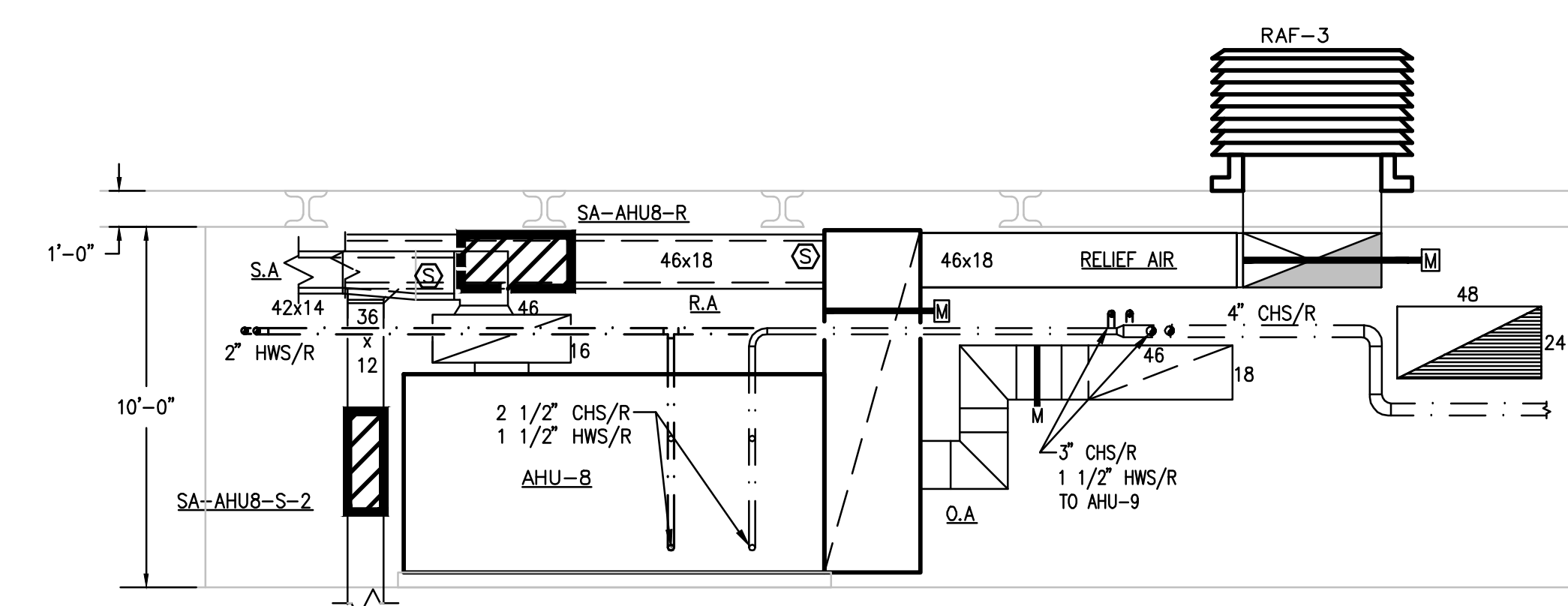
1 MECHANICAL ROOM - SECOND FLOOR AREA "A"
M3.02 SCALE: 1/4"=1'-0"



5 MECHANICAL ROOM - SECOND FLOOR AREA "A" AHU-6A
M3.02 SCALE: 1/4"=1'-0"

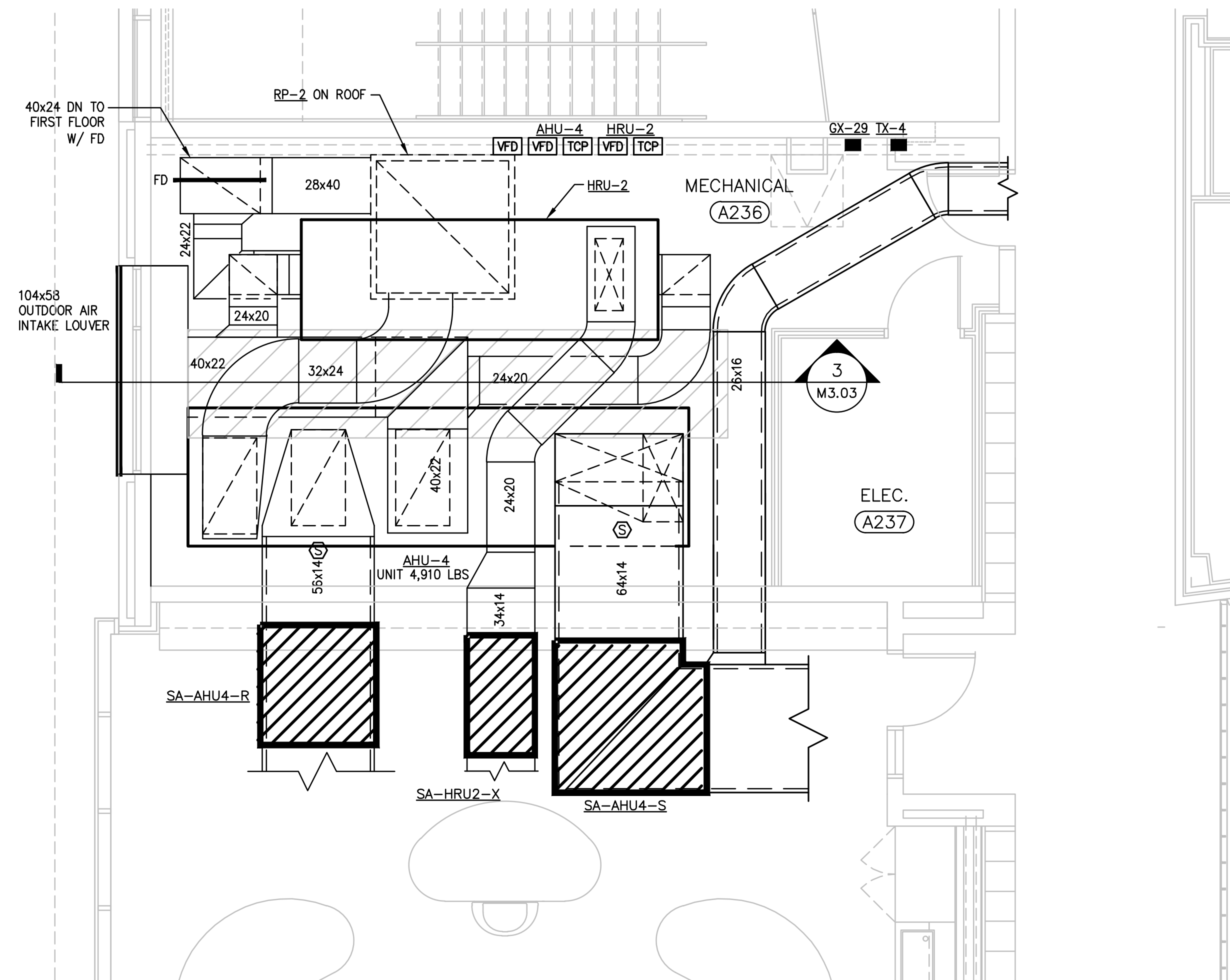


4 MECHANICAL ROOM - SECOND FLOOR AREA "A" AHU-9
M3.02 SCALE: 1/4"=1'-0"

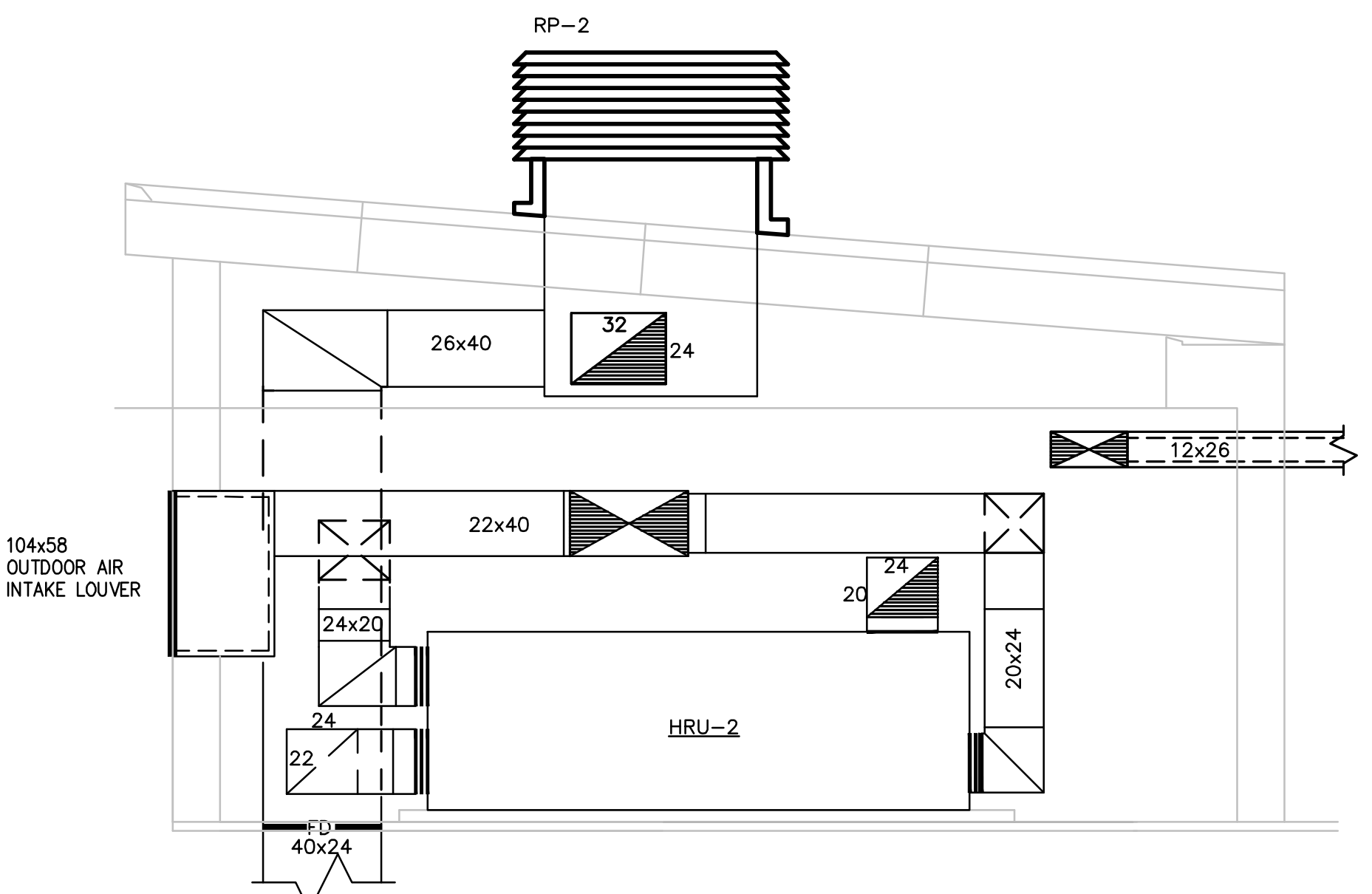


3 MECHANICAL ROOM - SECOND FLOOR AREA "A" AHU-8
M3.02 SCALE: 1/4"=1'-0"

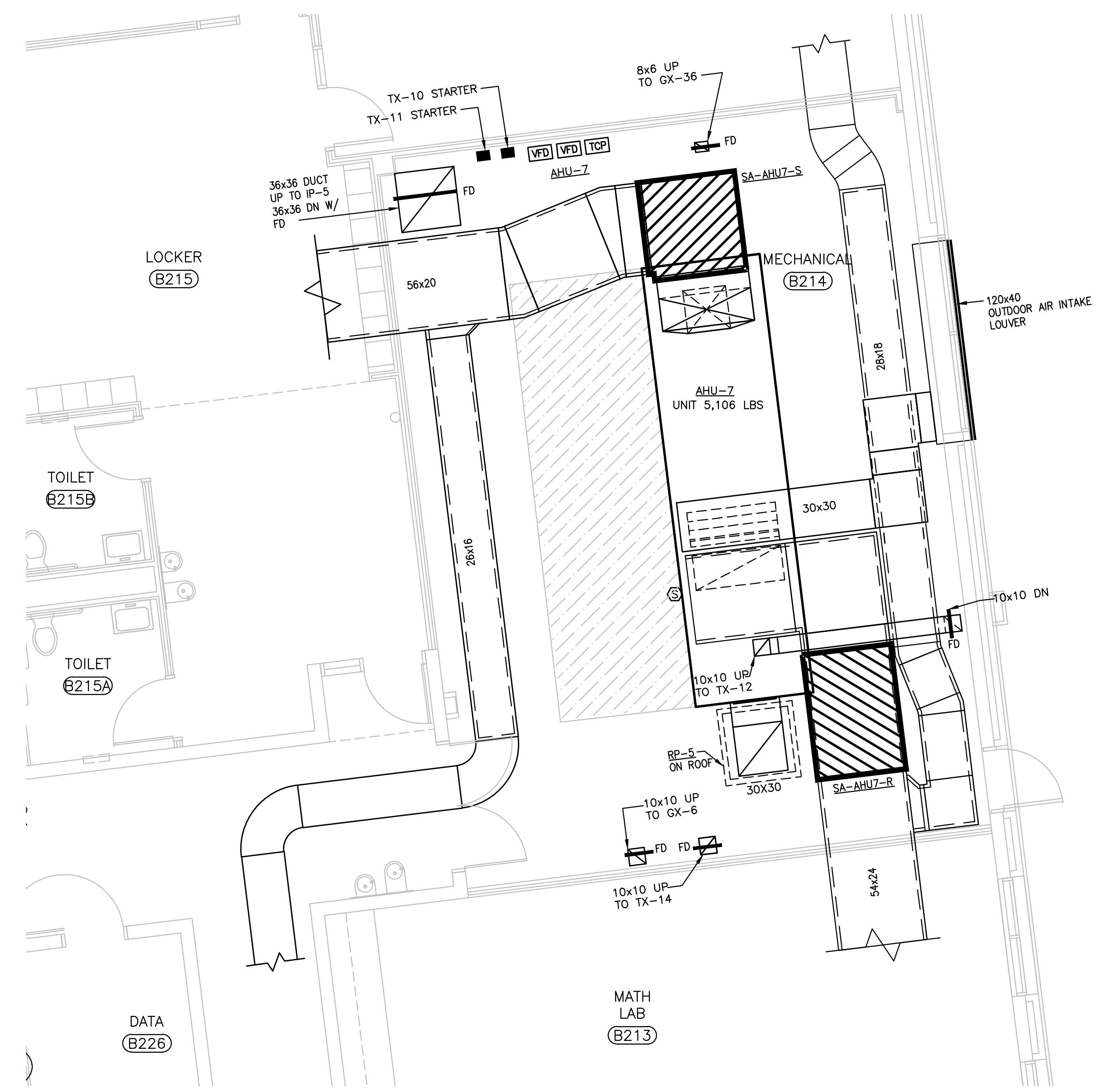
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR MECHANICAL ROOM PART PLANS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Wylys St, Suite 1-203		Scale	
Hartford, CT 06106		1/4"=1'-0"	
Project		Drawn By	
H.C. Wilcox Technical High School		RDV	
Meriden, CT		Approved By	
		CFR	
CAD No.		Project No.	
0532-M-SECOND FLR MER.DWG		BI-RT-843	
		Drawing No.	
		M3.02	



2 MECHANICAL ROOM - SECOND FLOOR AREA "A"
M3.03/SCALE: 1/4"=1'-0"

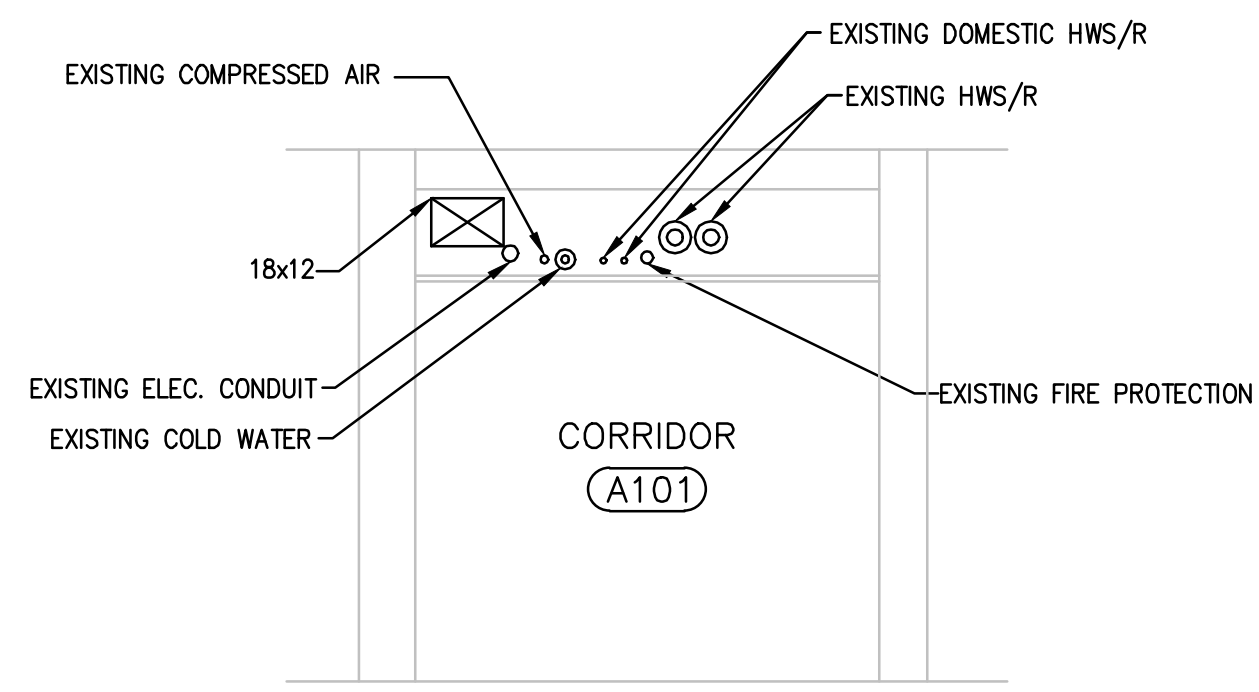


3 MECHANICAL ROOM - SECOND FLOOR AREA "B" HRU-2
M3.03/SCALE: 1/4"=1'-0"

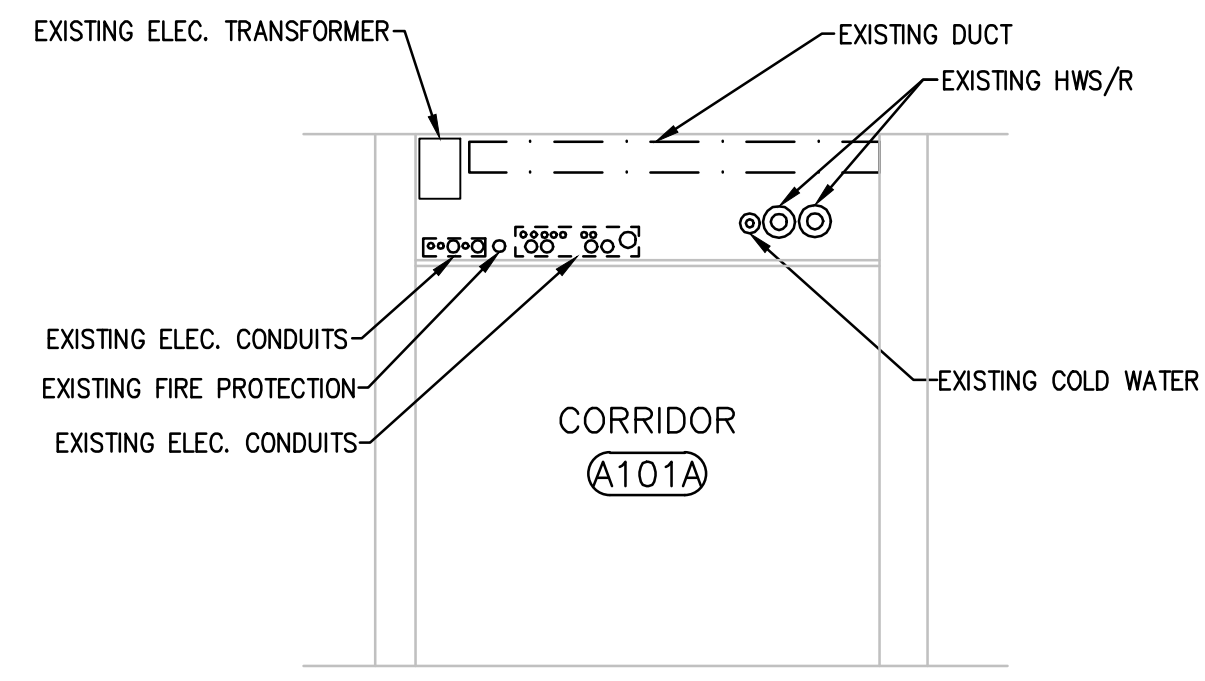


1 MECHANICAL ROOM - SECOND FLOOR AREA "B"
M3.03/SCALE: 1/4"=1'-0"

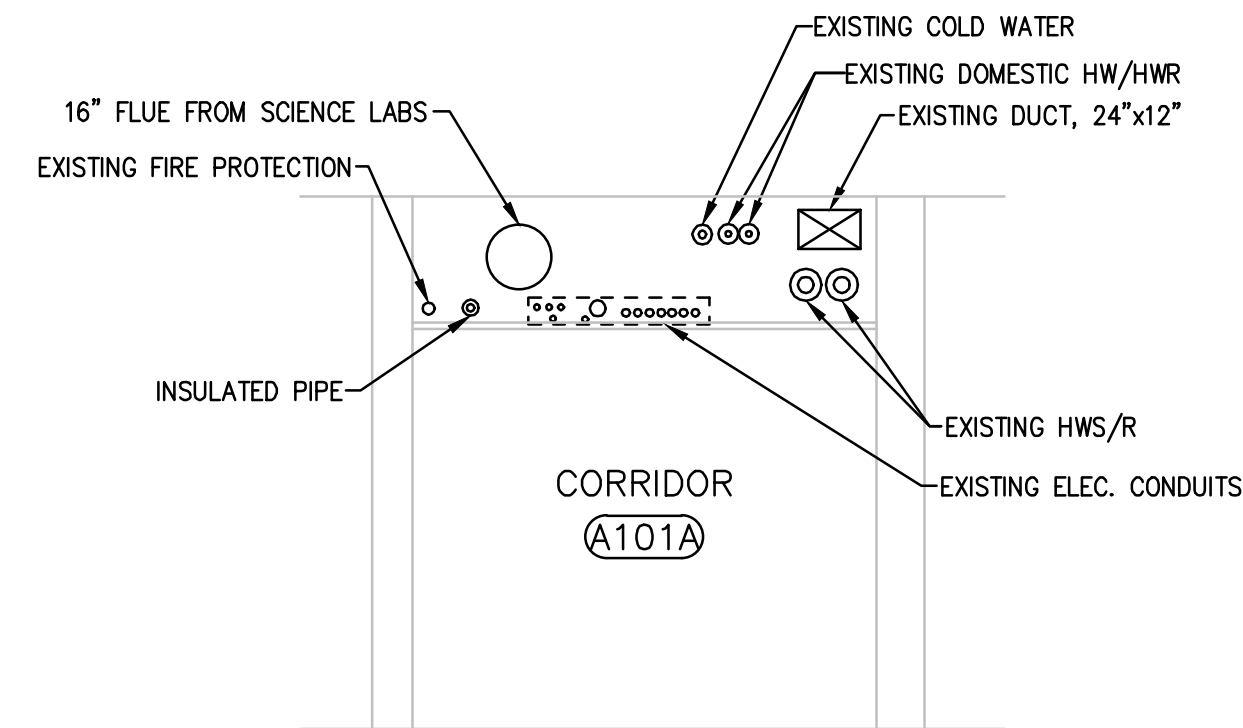
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR MECHANICAL ROOM PART PLANS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By	Date:
		Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/4"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	RDV
		Meriden, CT	Approved By
			CFR
			Drawing No.
			M3.03
CAD No.	0532-M-SECOND FLR MER.DWG	Project No.	BI-RT-843



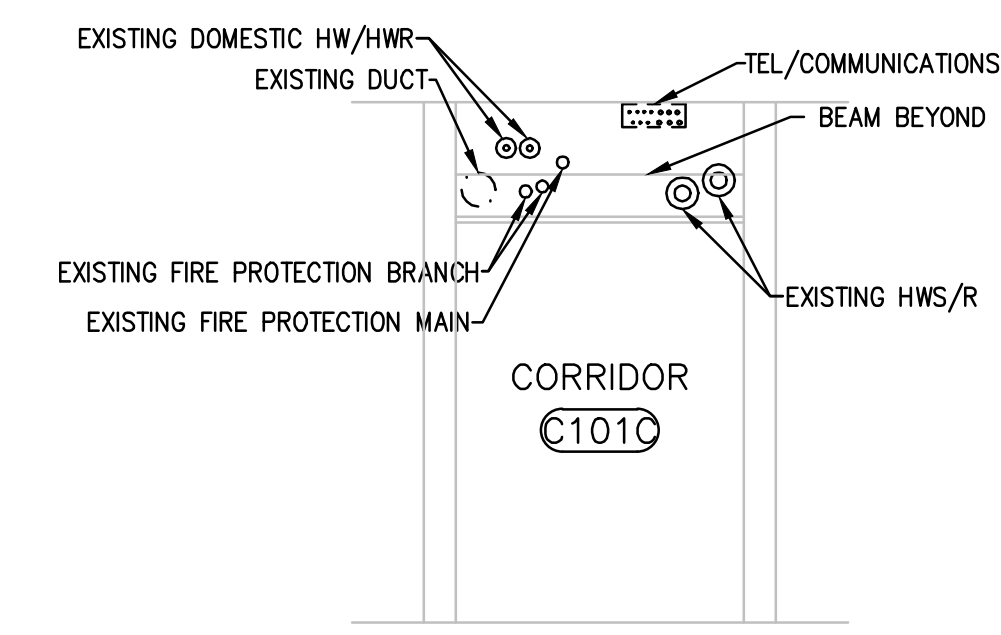
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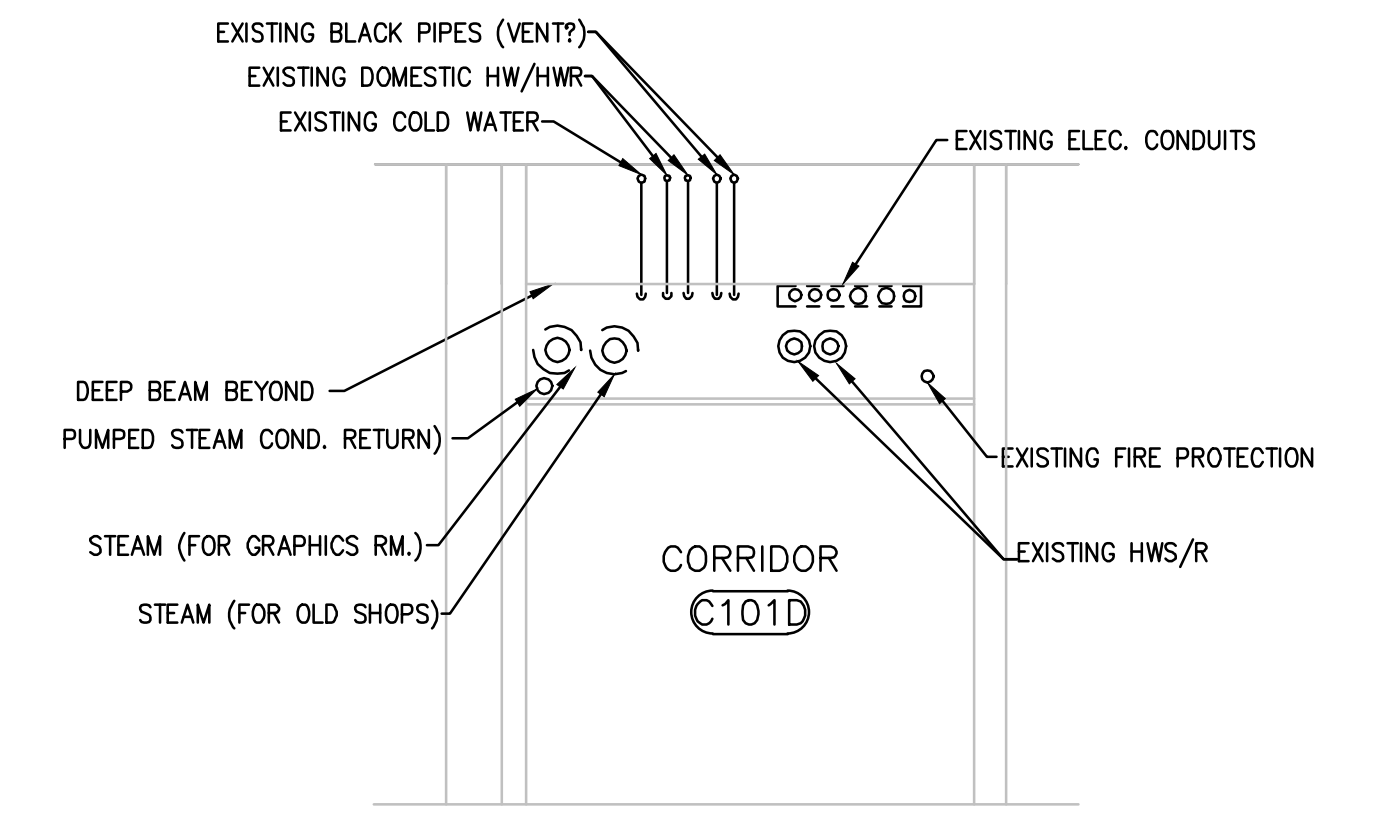
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MD1.01/1/4"=1'-0"



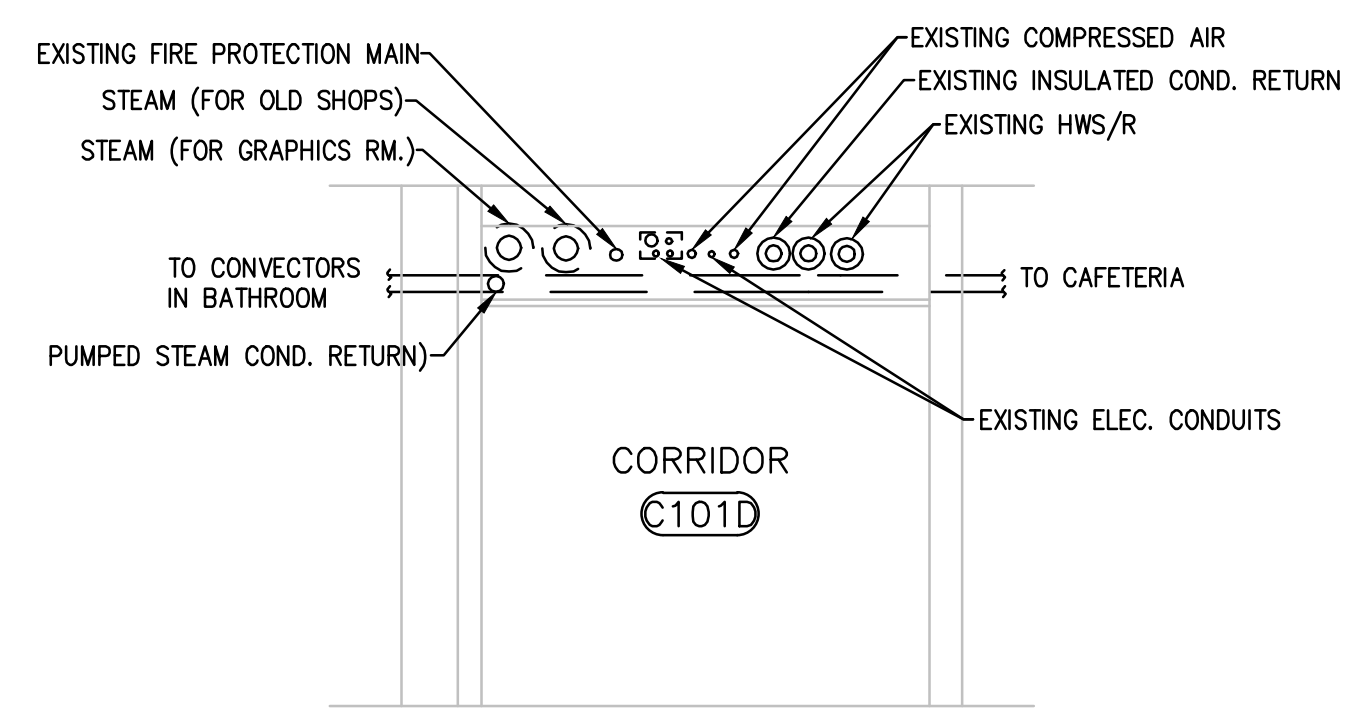
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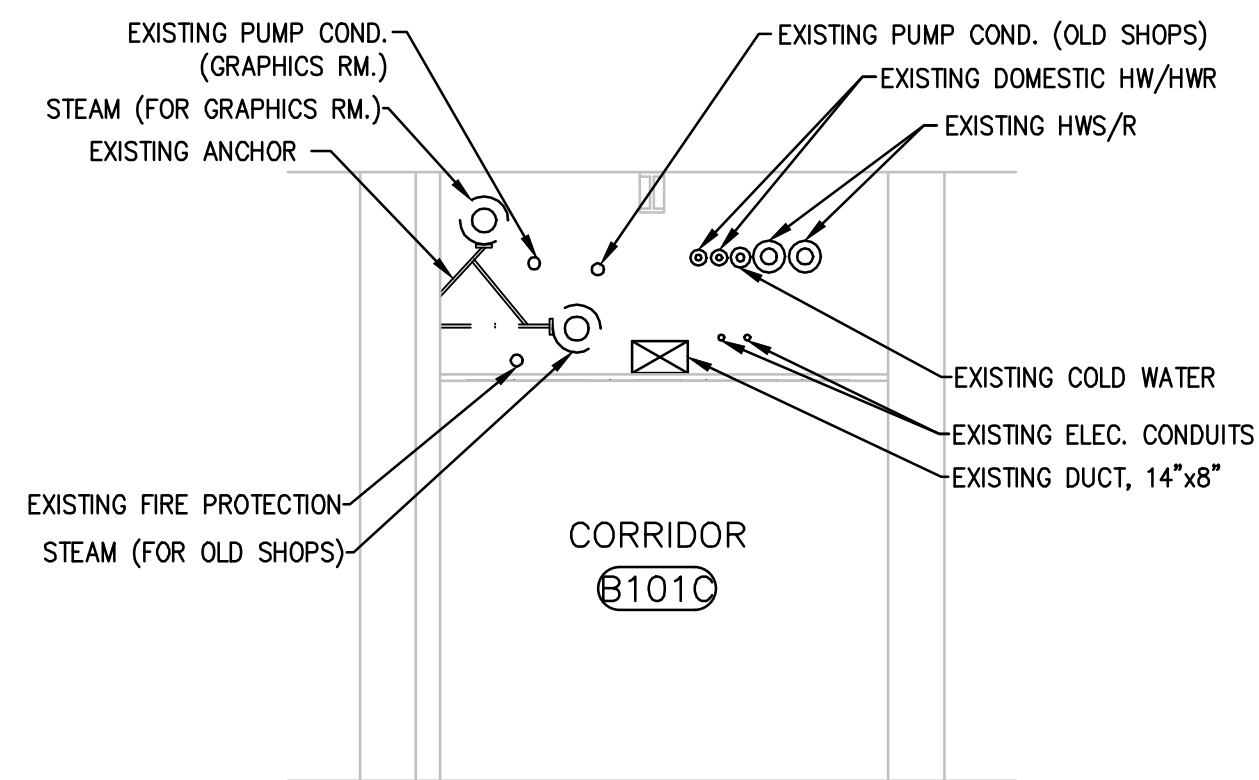
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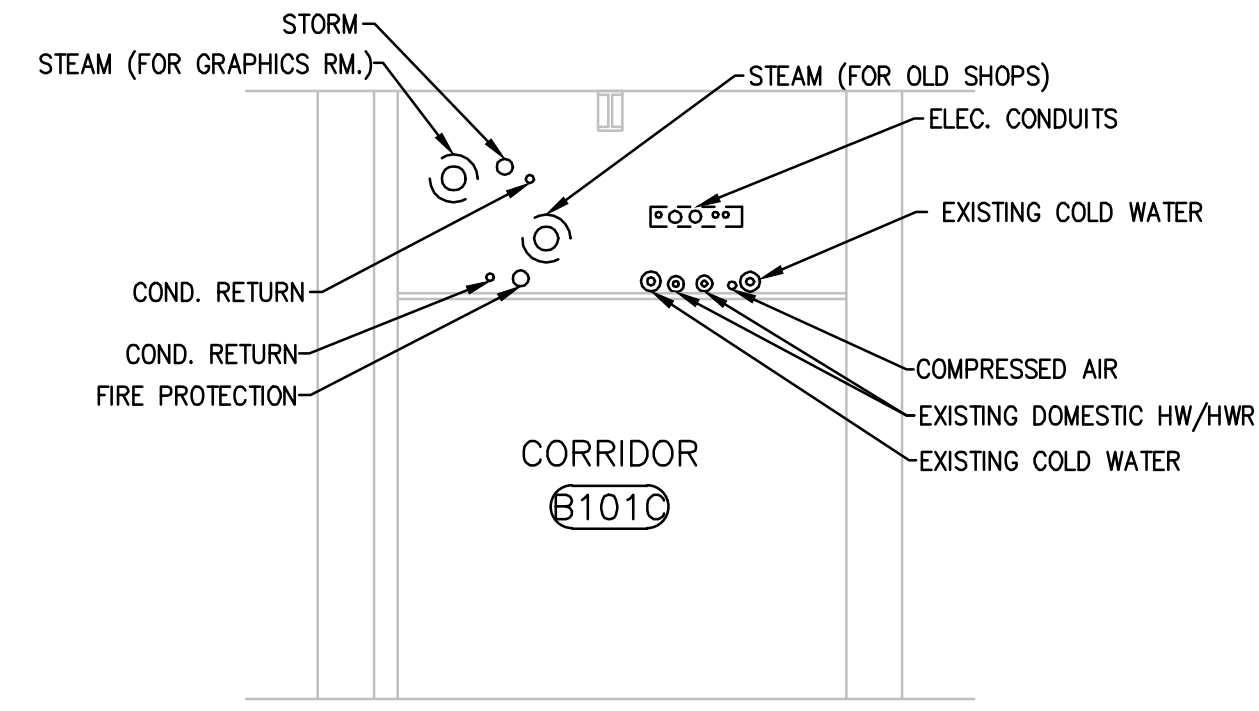
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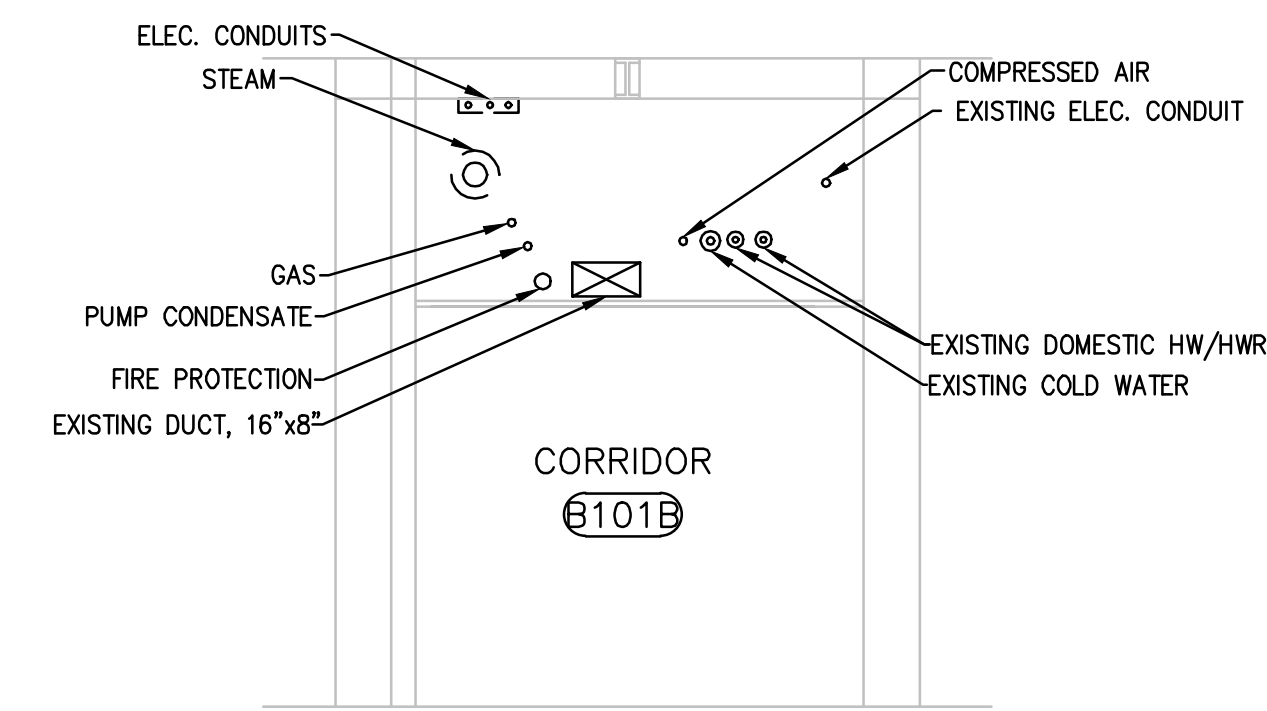
6 COORDINATION SECTION - EXISTING
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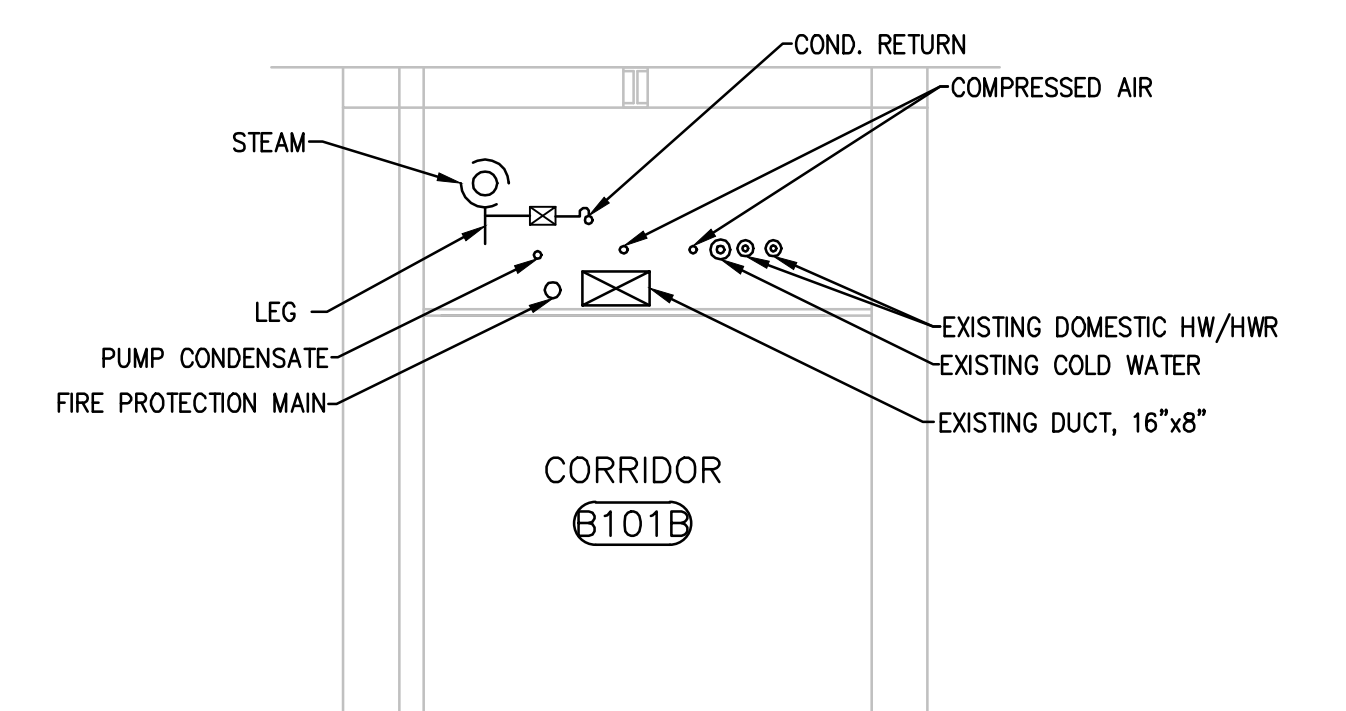
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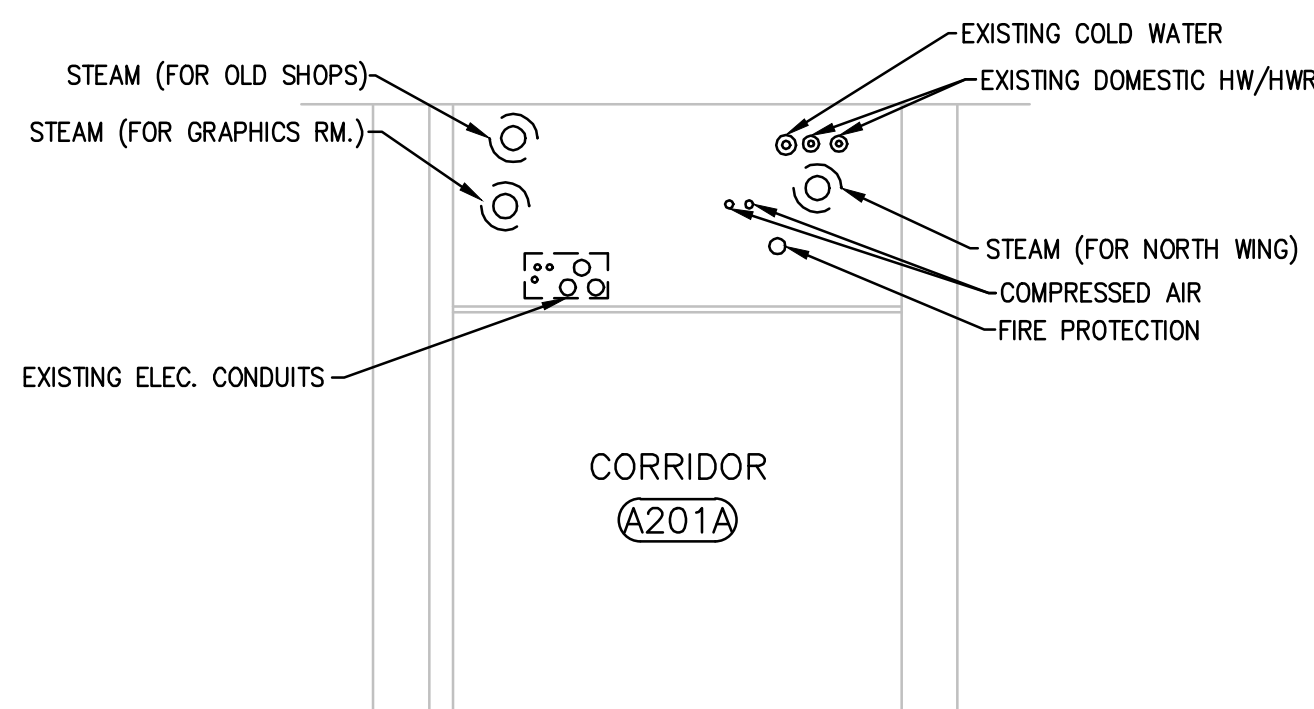
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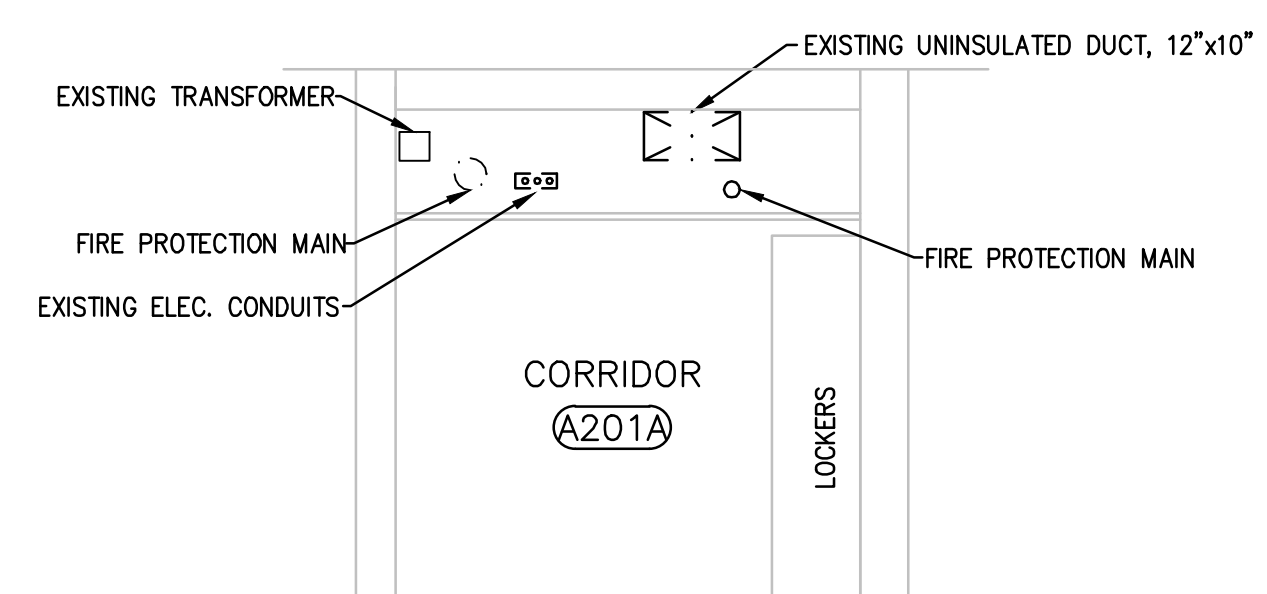
9 COORDINATION SECTION - EXISTING
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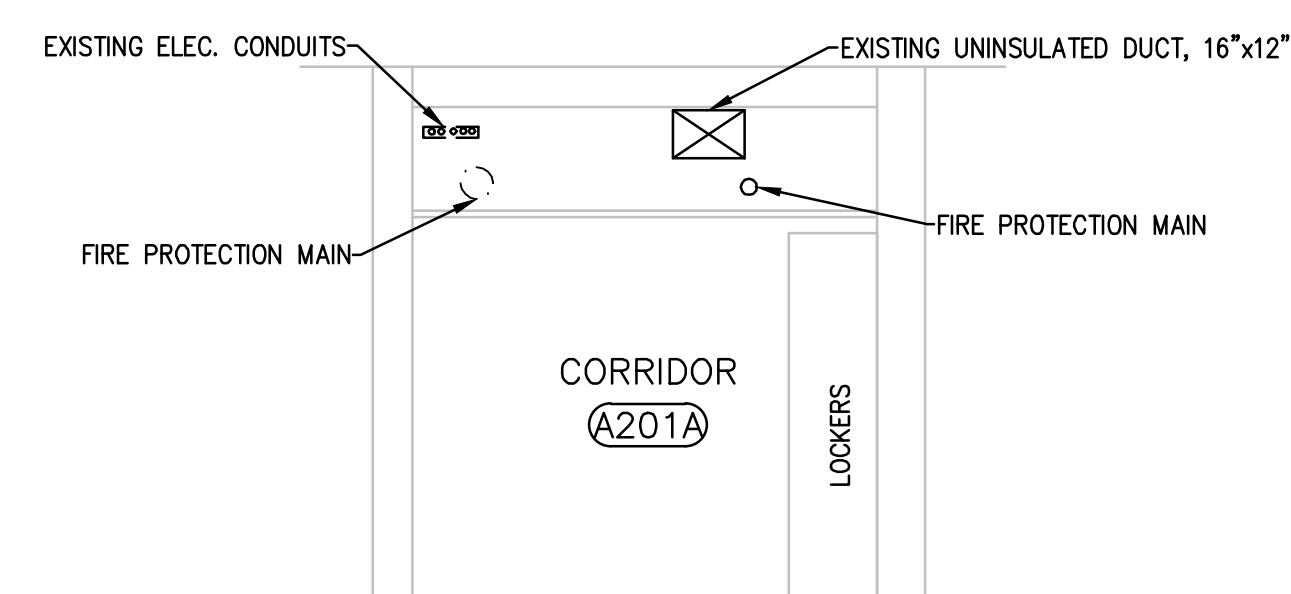
10 COORDINATION SECTION - EXISTING
MD1.03/1/4"=1'-0"



11 COORDINATION SECTION - EXISTING
MD1.04/1/4"=1'-0"

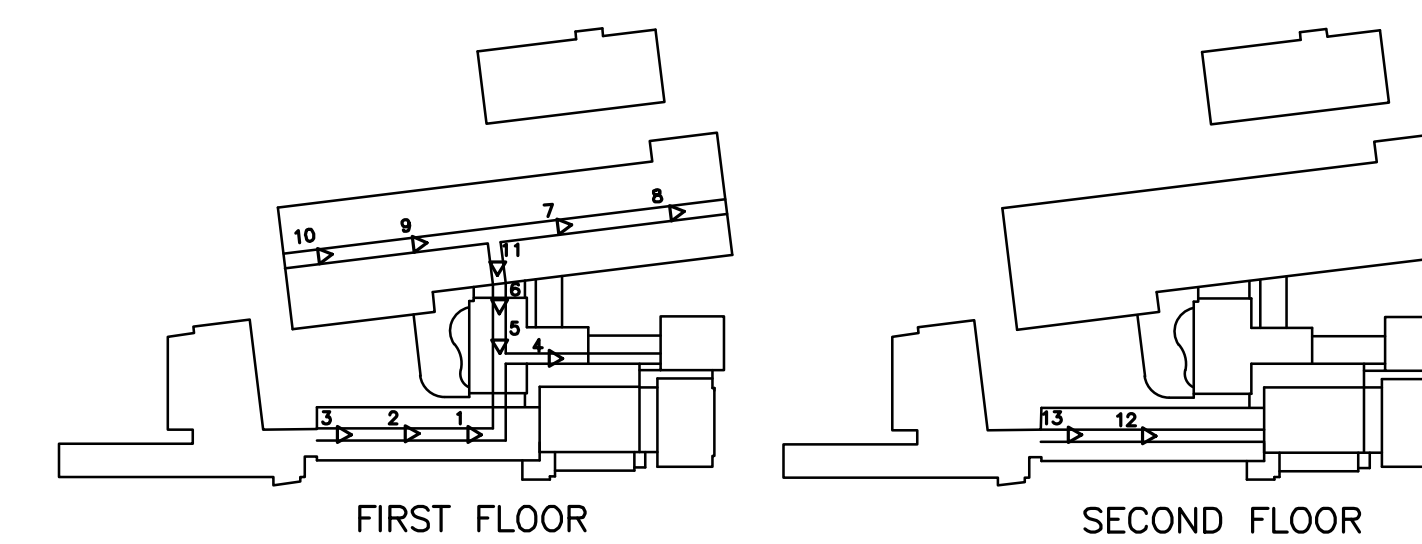


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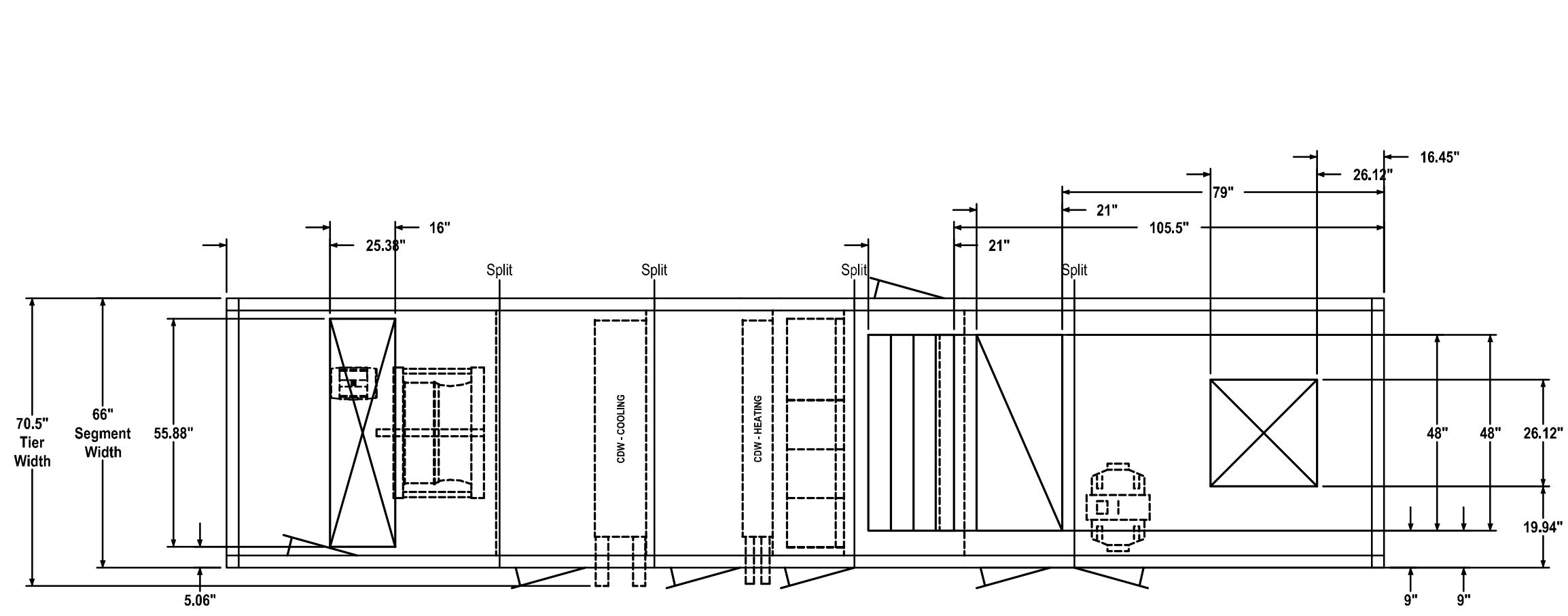


13 COORDINATION SECTION - EXISTING
MD1.07/1/4"=1'-0"

KEY PLANS

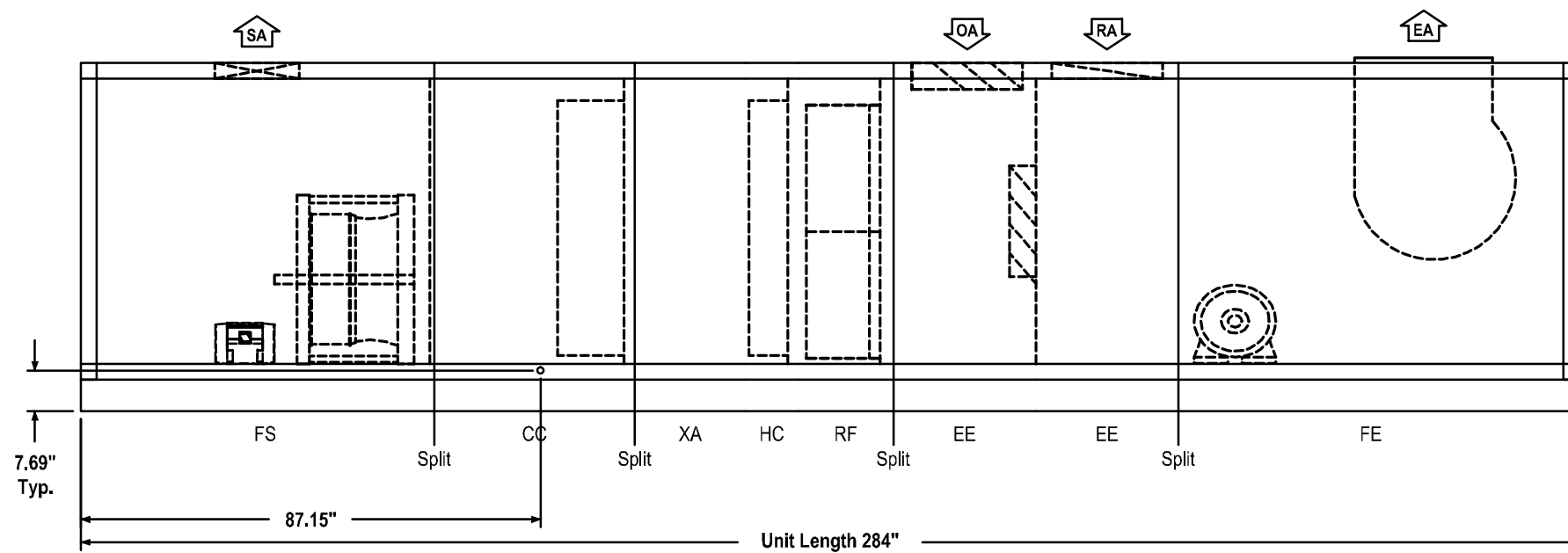


Drawing Title		STATE OF CONNECTICUT	
MECHANICAL COORDINATION SECTIONS - DEMOLITION		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/4"=1'-0"
		Approved By CFR	Drawn By NS
		Project No. BI-RT-843	Approved By CFR
		CAD No. 0532-MSections.dwg	Drawing No. M4.01

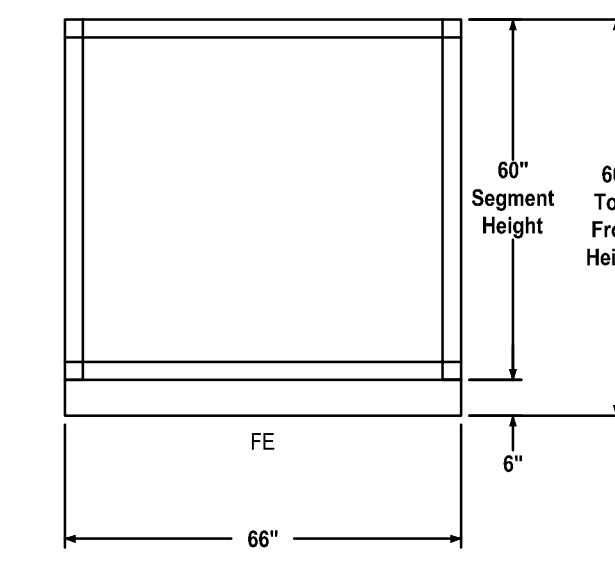


- FS (67) Supply Fan - 25 APAF20.00 HP
- CC (38) Cooling Coil
- XA (21) Variable Length Access
- HC (10) Heating Coil
- RF (18) High Efficiency Filter
- EE (27) Economizer
- EE (27) Economizer
- FE (76) Exhaust Fan - 20-20 DWDI - 3.00 HP

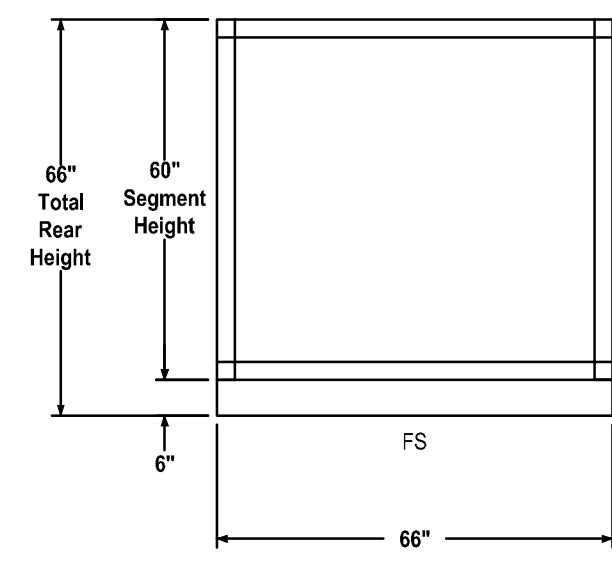
PLAN VIEW
TIER 1



ELEVATION VIEW

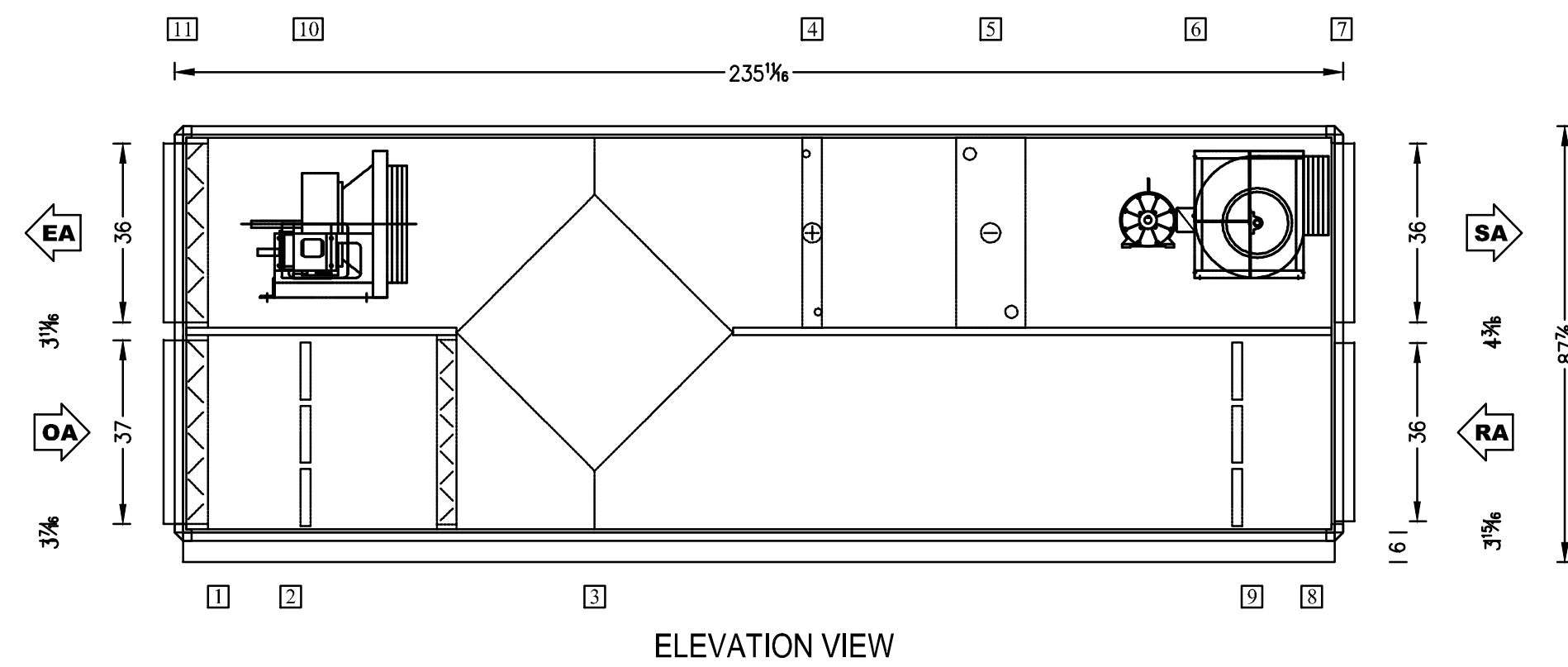


FRONT (INLET) END VIEW

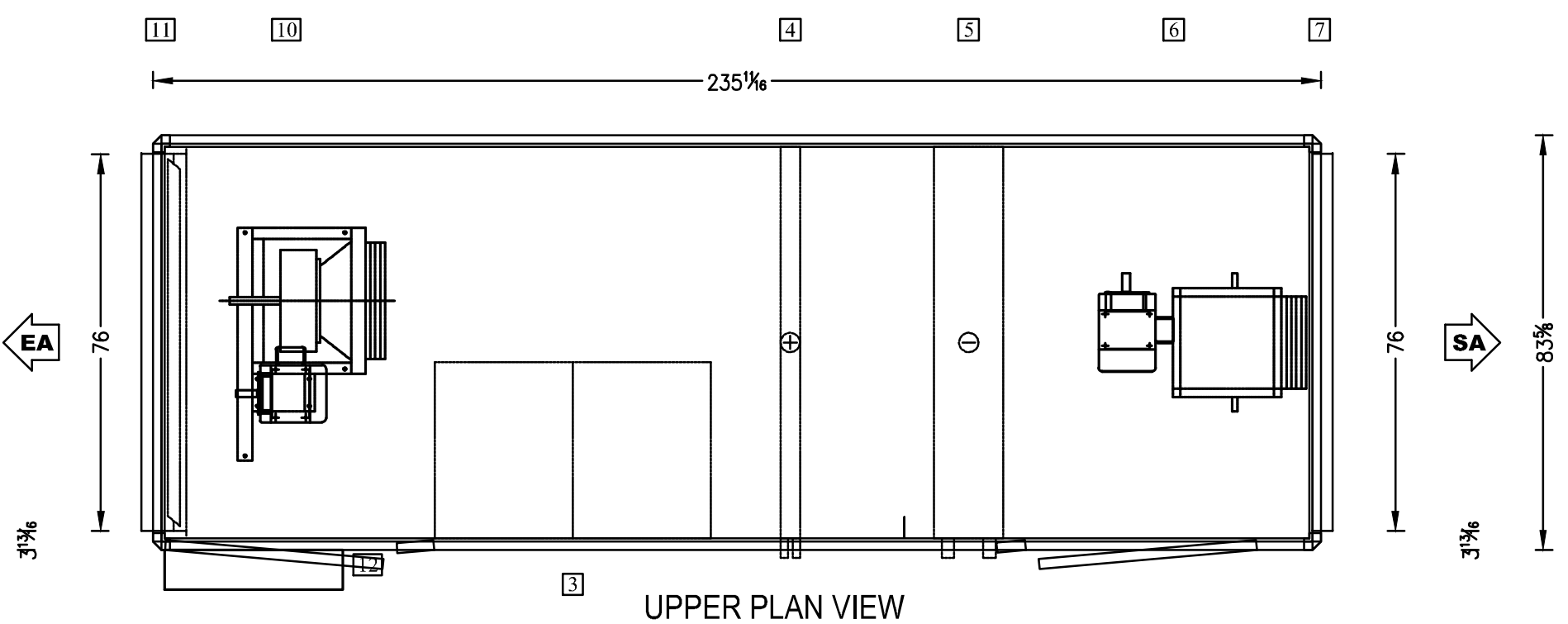


REAR (OUTLET) END VIEW

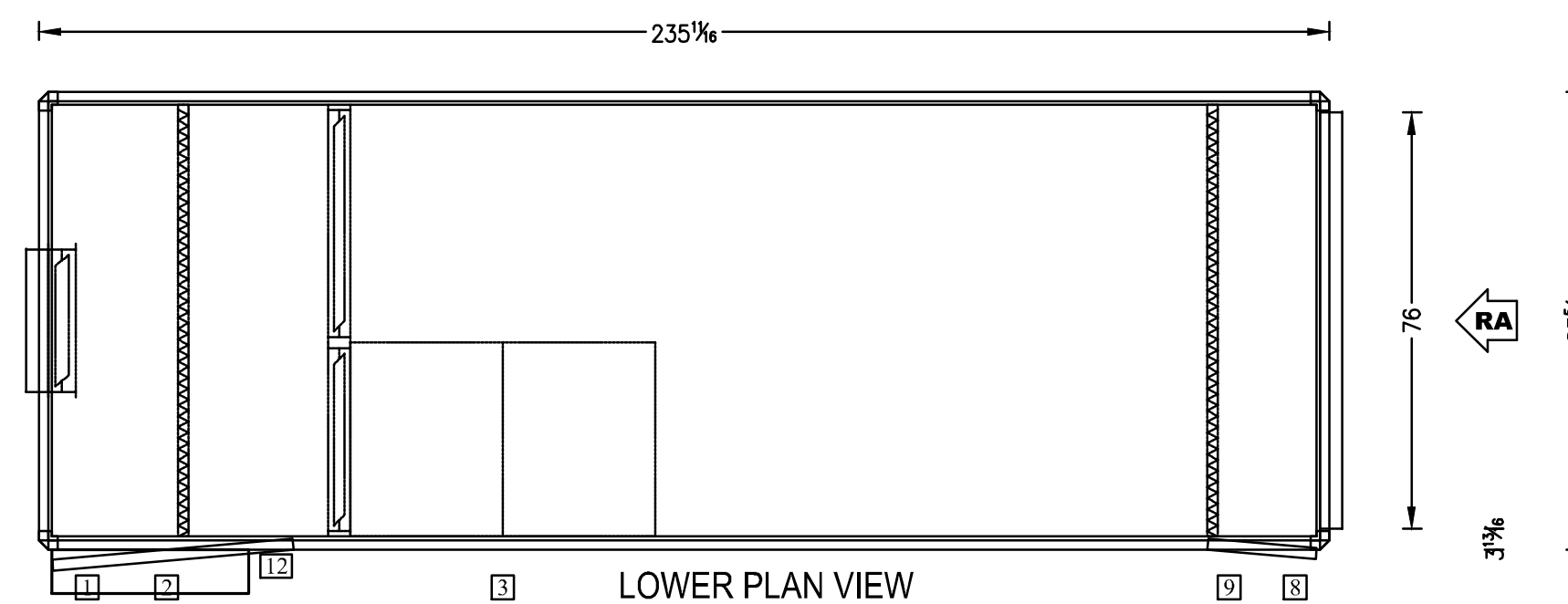
1 AHU-1
M5.01 NOT TO SCALE



ELEVATION VIEW



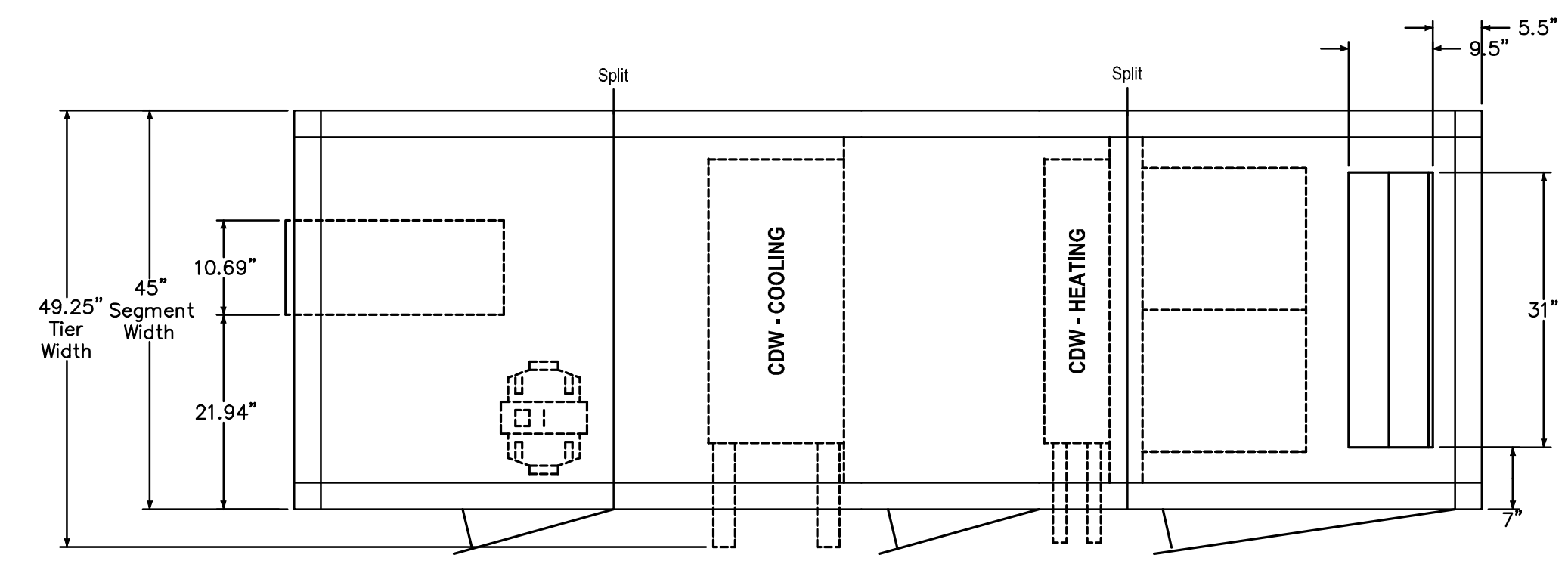
UPPER PLAN VIEW



LOWER PLAN VIEW

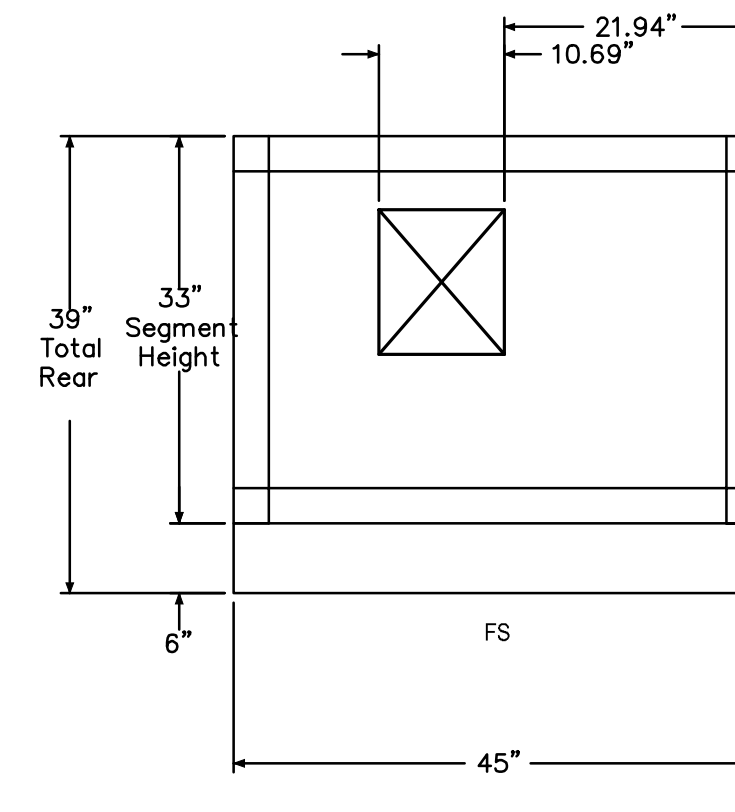
- COMPONENTS
1. INLET: (LxH): 26 x 37
 2. PANEL FILTER
 3. HEAT EXCHANGER
 4. HOT WATER COIL
 5. CHILLED WATER COIL
 6. FAN
 7. OUTLET: (LxH): 76 x 36
 8. INLET: (LxH): 76 x 36
 9. PANEL FILTER
 10. FAN
 11. OUTLET: (LxH): 76 x 36
 12. CONTROL PANEL
- UNIT WEIGHT 7,200 LBS

3 AHU-3
M5.01 NOT TO SCALE

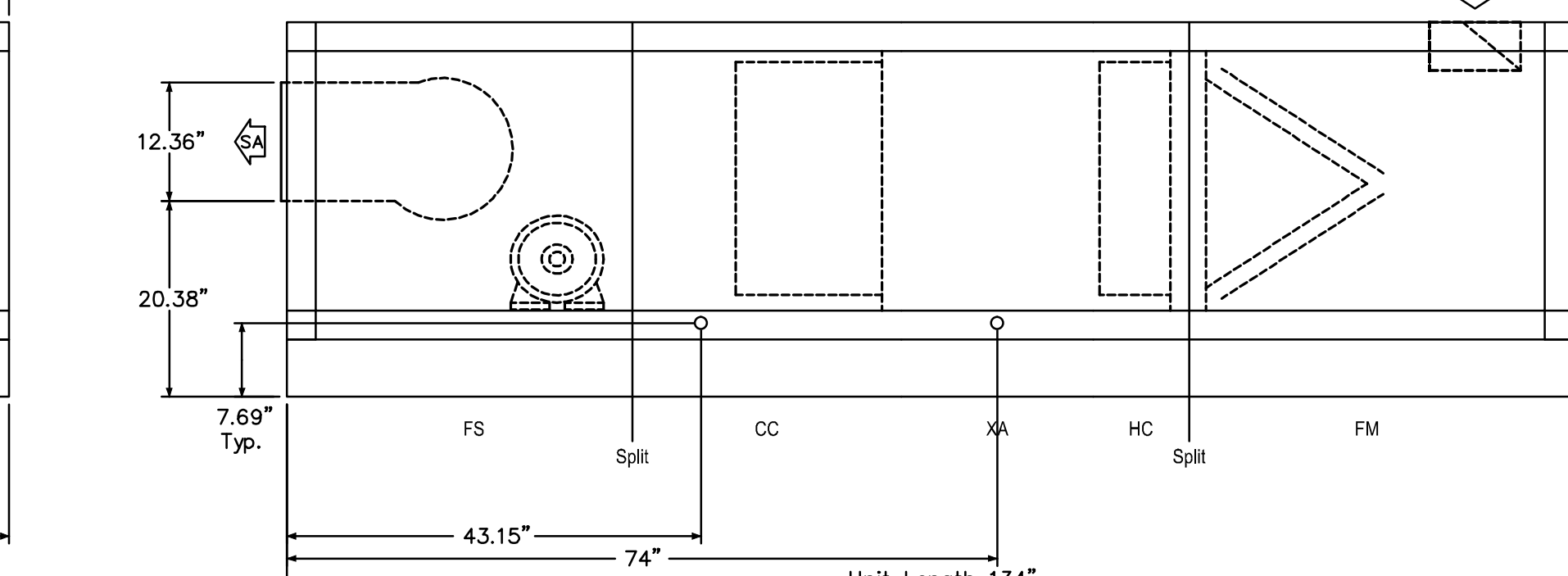


- FS (36) Supply Fan - 10-7 DWDI - 5.00 HP
- CC (28) Cooling Coil
- XA (20) Variable Length Access
- HC (10) Heating Coil
- FM (40) Filter/Mixing Box

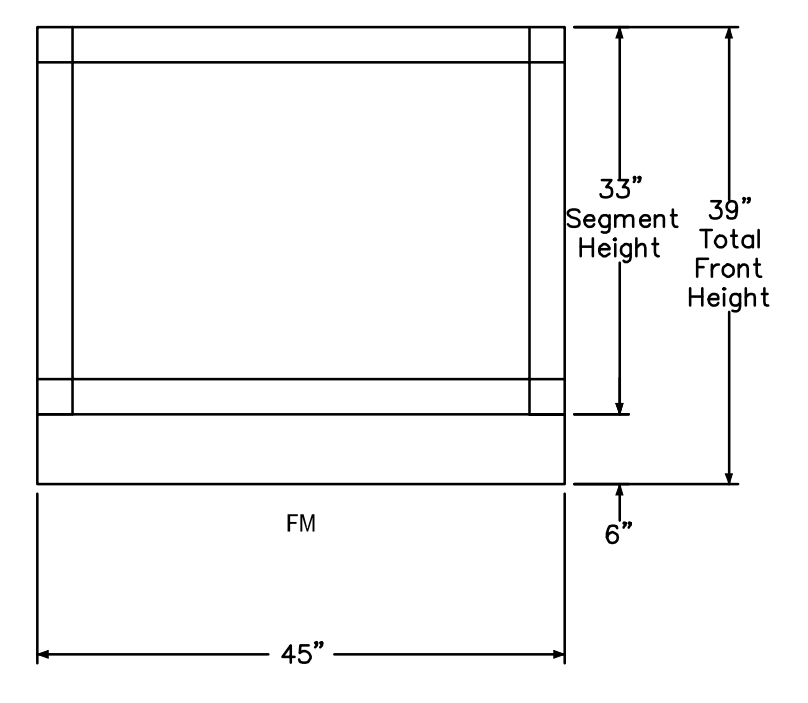
PLAN VIEW
TIER 1



REAR (OUTLET) END VIEW

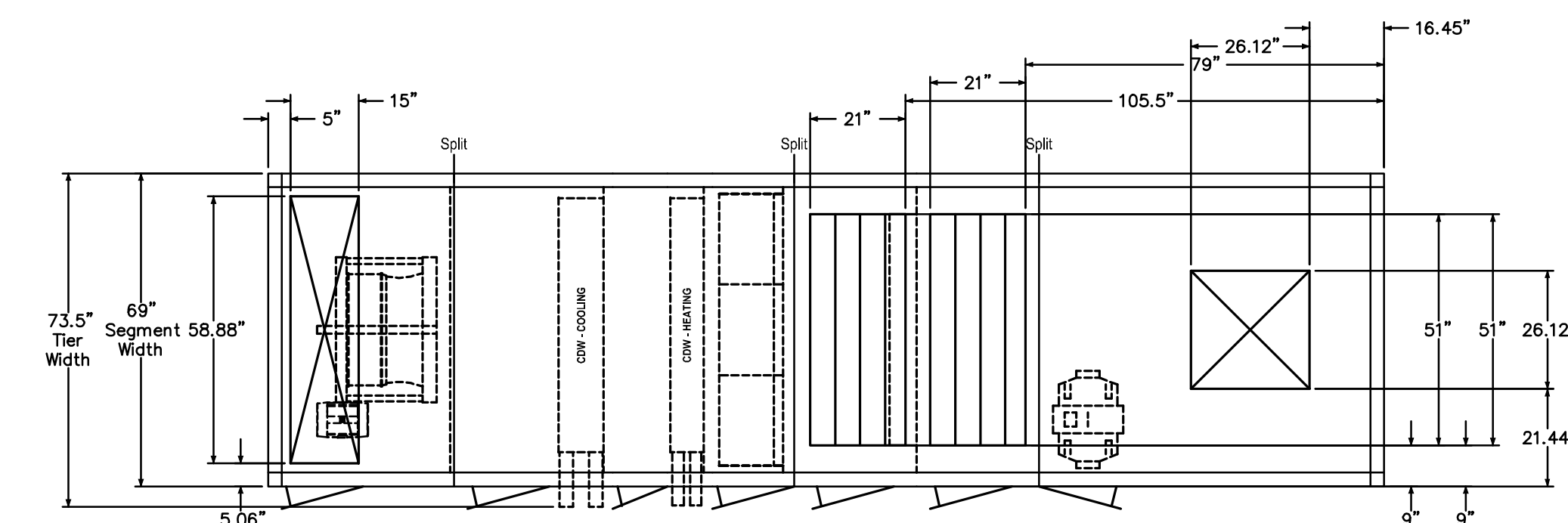


ELEVATION VIEW



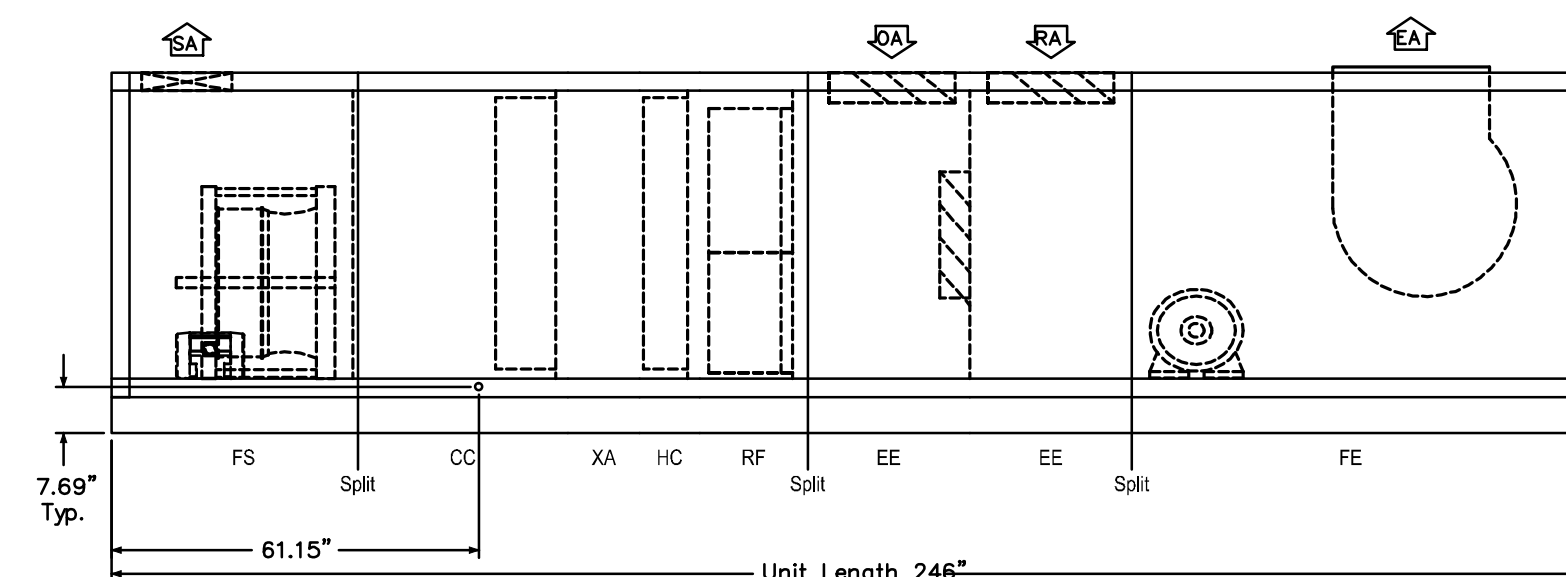
FRONT (INLET) END VIEW

2 AHU-2
M5.01 NOT TO SCALE

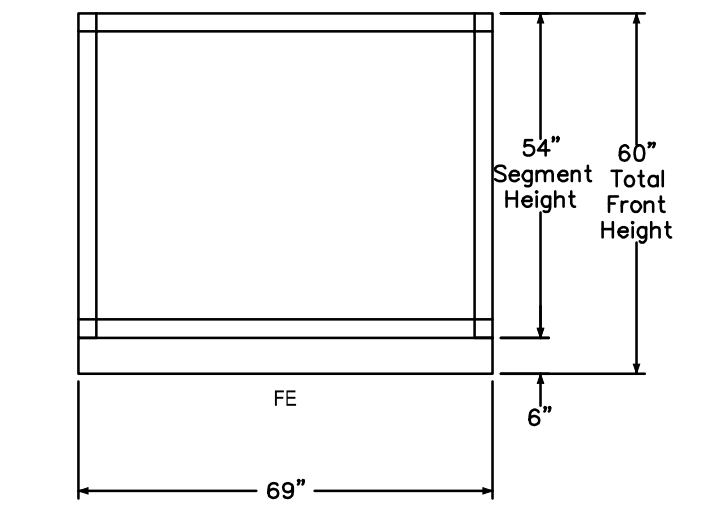


- FS (41) Supply Fan - 25 APAF15.00 HP
- CC (35) Cooling Coil
- XA (12) Variable Length Access
- HC (10) Heating Coil
- RF (18) High Efficiency Filter
- EE (27) Economizer
- EE (27) Economizer
- FE (76) Exhaust Fan - 20-20 DWDI - 3.00 HP

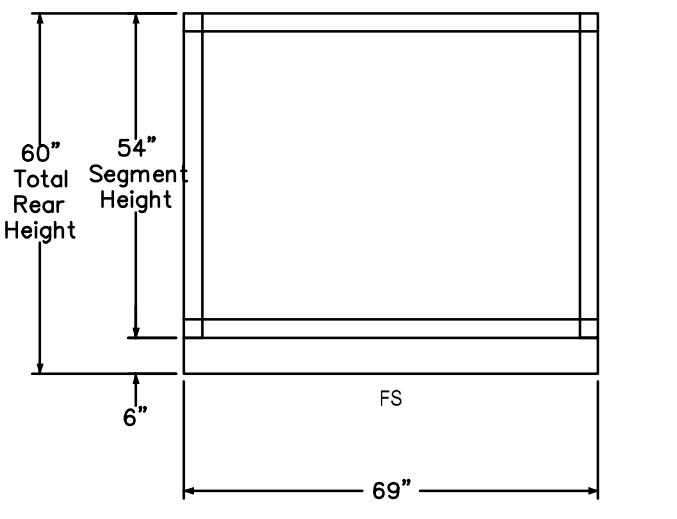
PLAN VIEW
TIER 1



ELEVATION VIEW



FRONT (INLET) END VIEW

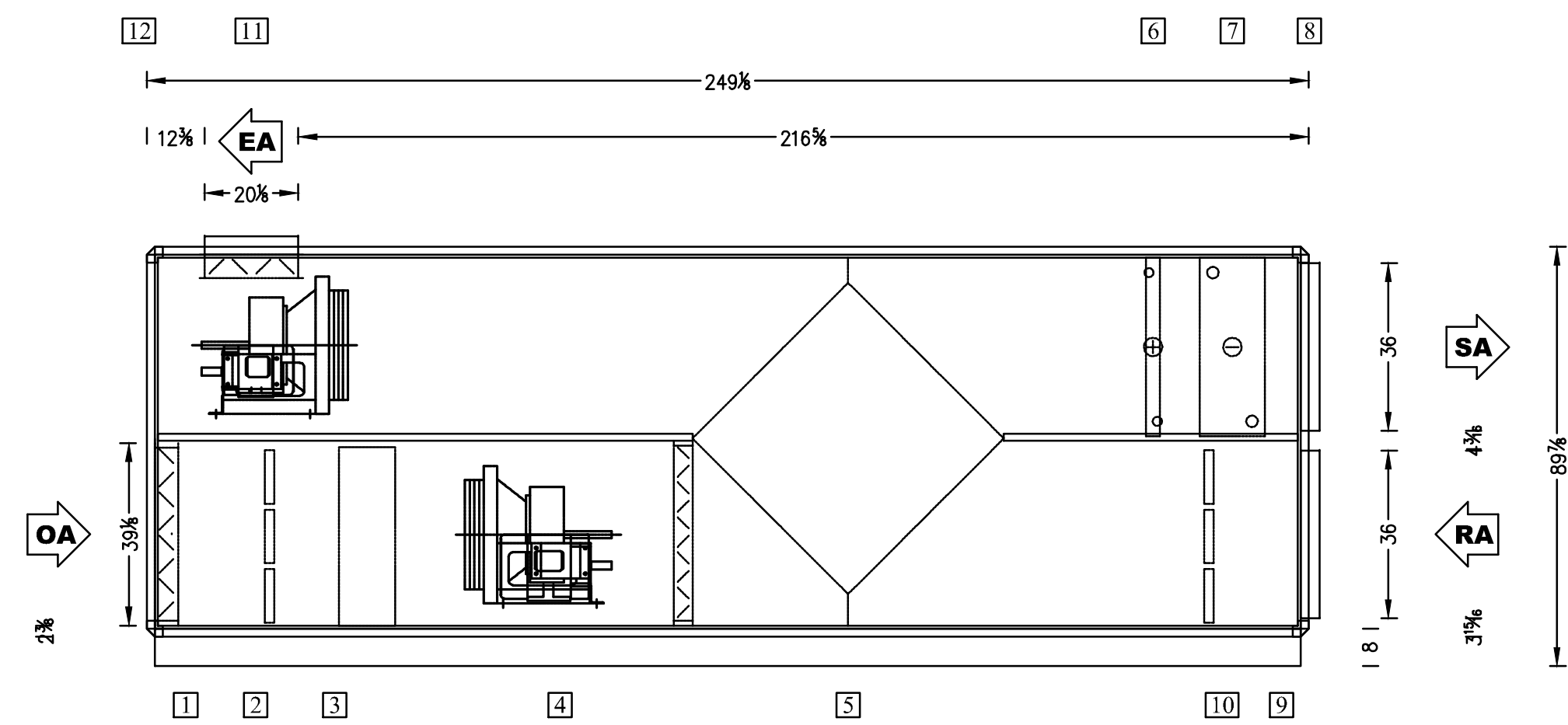


REAR (OUTLET) END VIEW

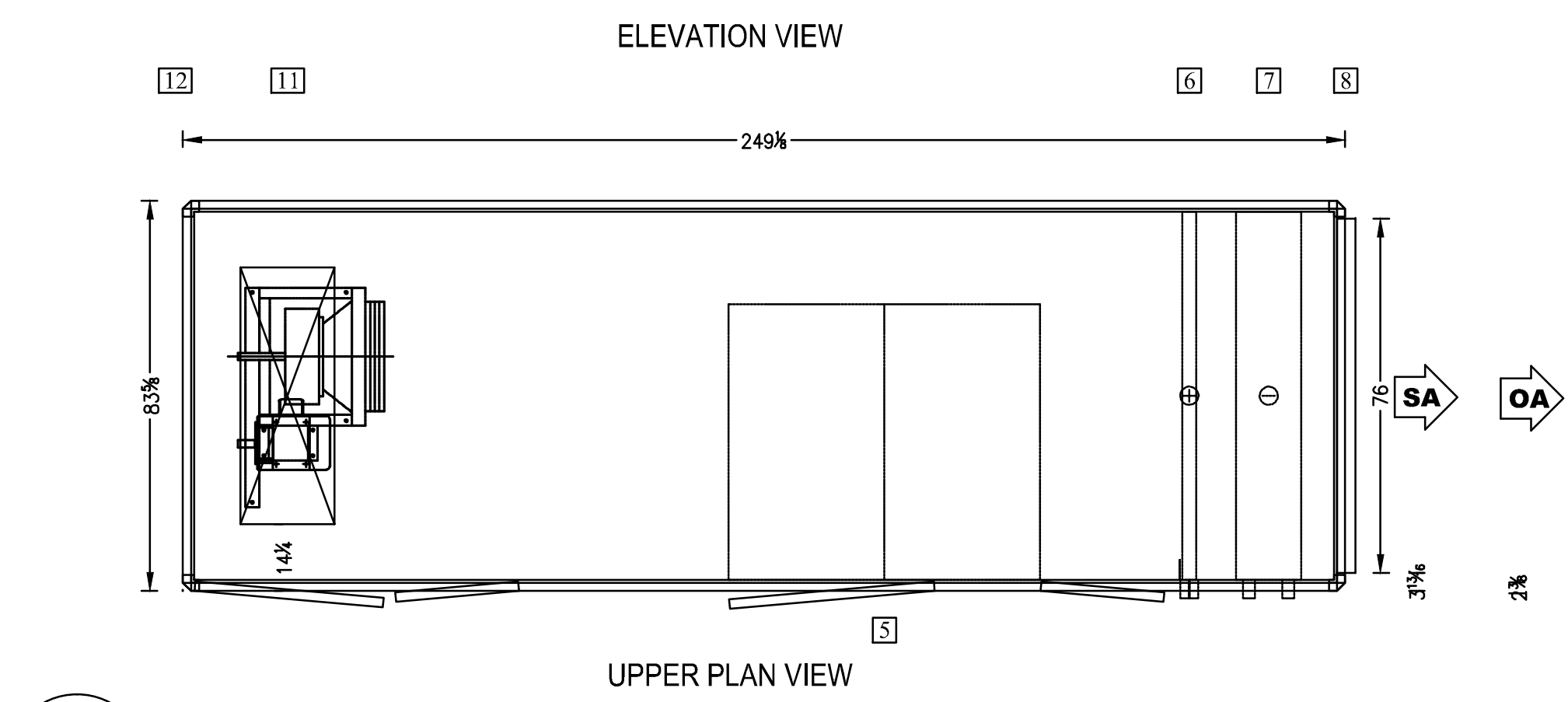
4 AHU-4
M5.01 NOT TO SCALE

REFER TO M5.02, MECHANICAL
SCHEDULES FOR ADDITIONAL
INFORMATION

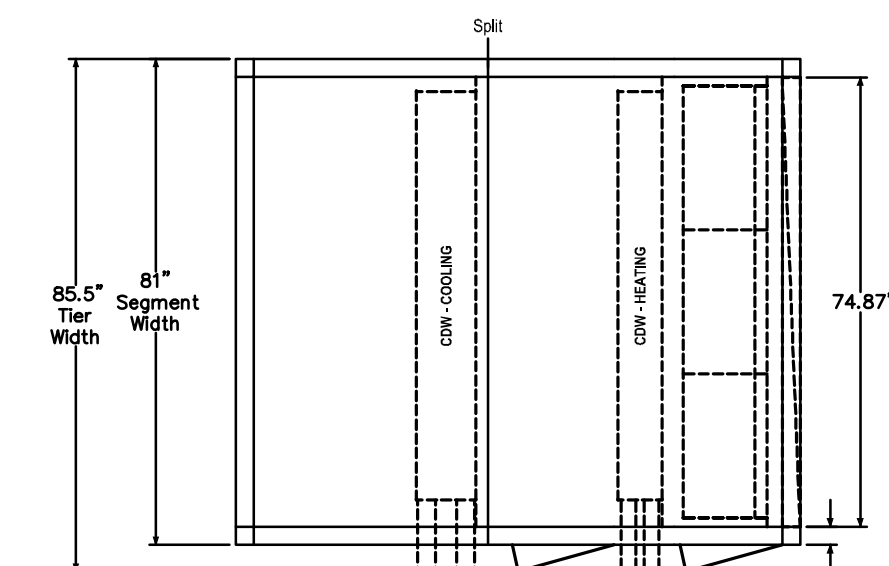
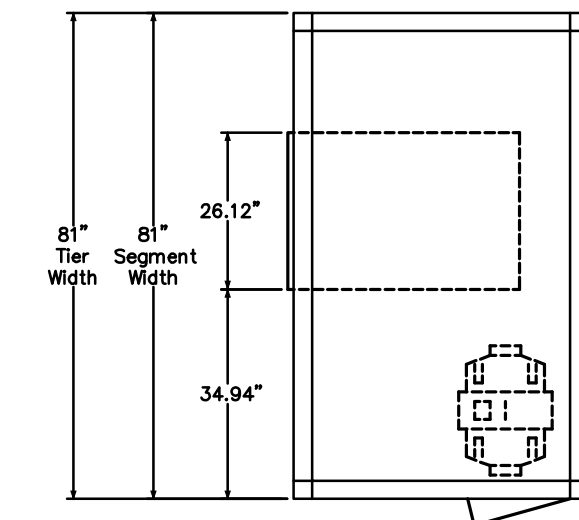
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AIR HANDLING UNITS DETAILS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Wyllys St, Suite 1-203		Scale	
Hartford, CT 06106		NONE	
Project		Drawn By	
H.C. Wilcox Technical High School		WJY	
Meriden, CT		Approved By	
		CFR	
CAD No.		Drawing No.	
0532 M-AHU DETAILS.DWG		M5.01	



- COMPONENTS
1. INLET (LxH): 76 x 36
 2. PANEL FILTER
 3. CARTRIDGE FILTER
 4. FAN
 5. HEAT EXCHANGER
 6. HOT WATER COIL
 7. CHILLED WATER COIL
 8. OUTLET (LxH): 76 x 36
 9. INLET (LxH): 76 x 36
 10. PANEL FILTER
 11. FAN OUTLET (LxH): 20 1/8 x 55 1/8
- UNIT WEIGHT 9,800 LBS



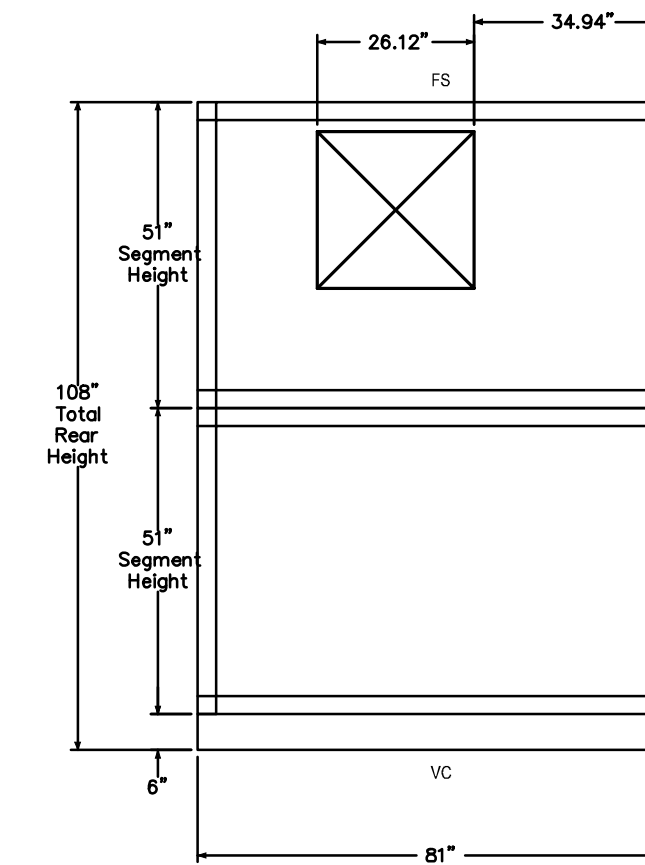
1 AHU-5
M5.02 NOT TO SCALE



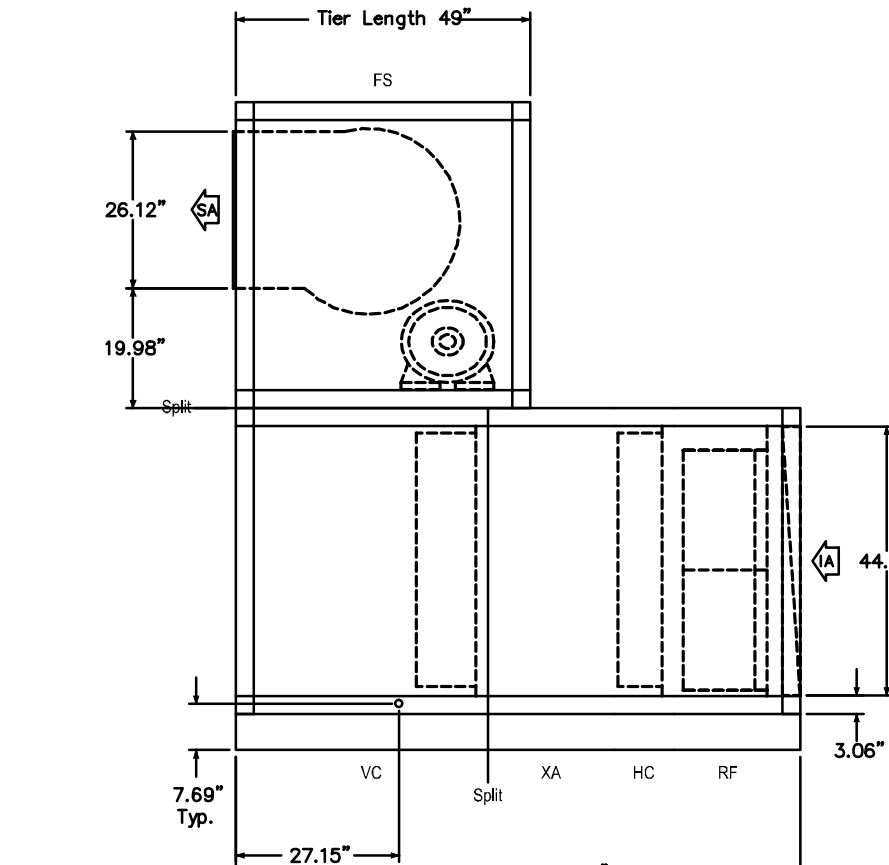
PLAN VIEW
TIER 2 - OUTLET END

PLAN VIEW
TIER 1

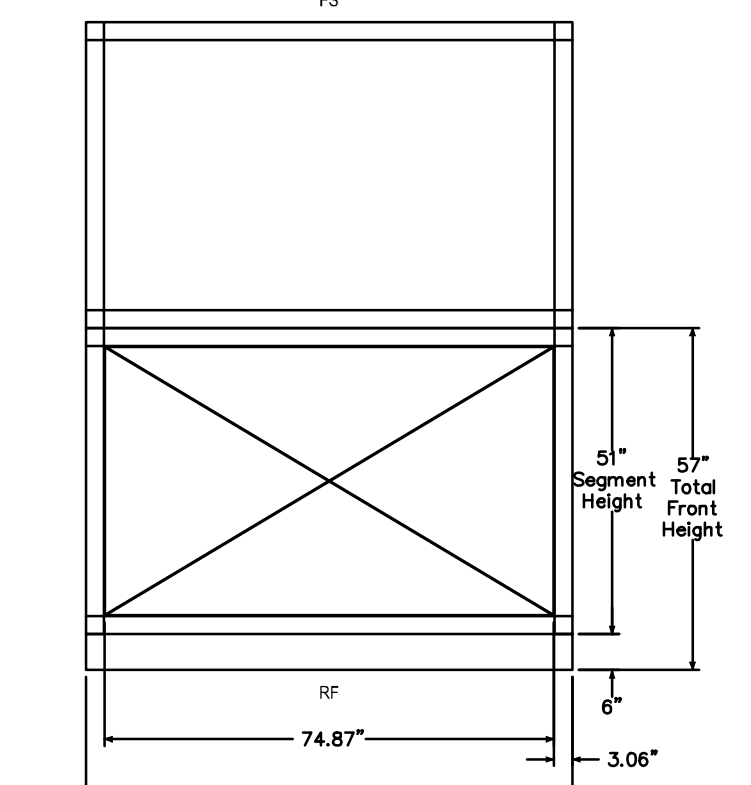
- FS (49) Supply Fan - 20-20 DWDI - 15.00 HP
VC (42) Vertical Coil
XA (21) Variable Length Access
HC (10) Heating Coil RF
(21) High Efficiency Filter



REAR (OUTLET) END VIEW

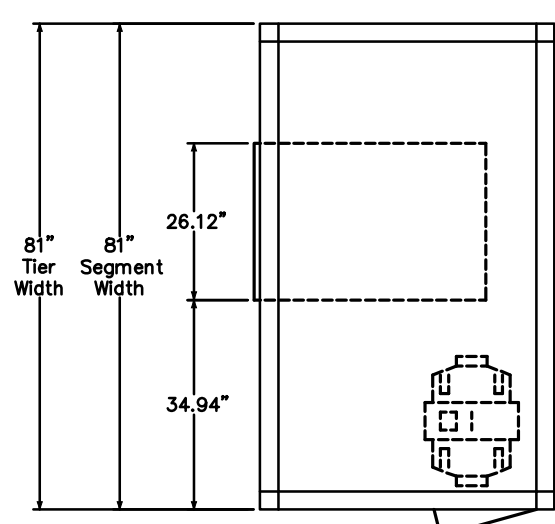


ELEVATION VIEW

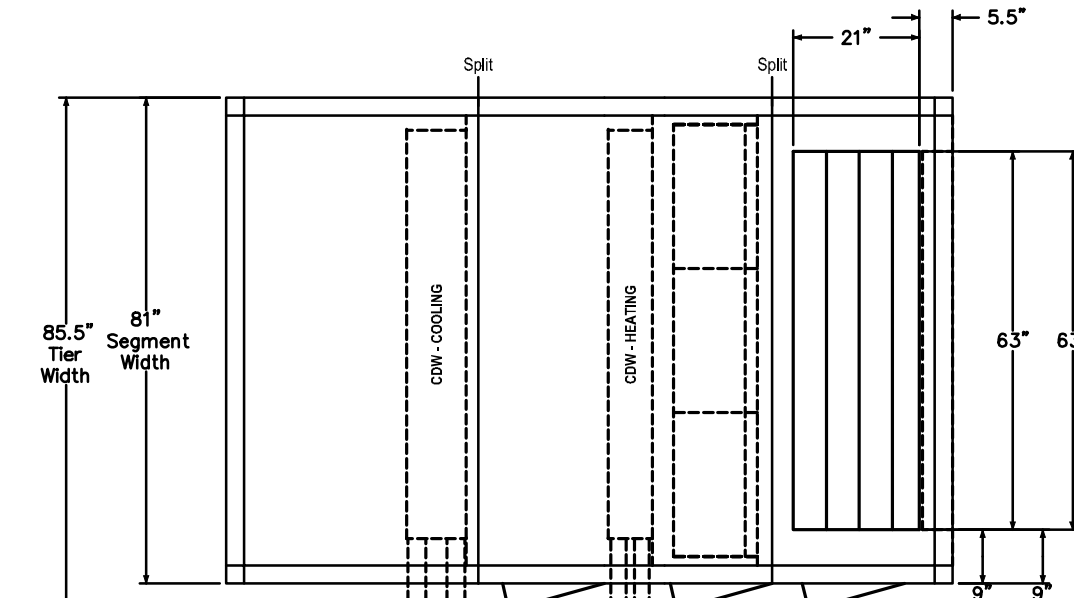


FRONT (INLET) END VIEW

2 AHU-6A
M5.02 NOT TO SCALE

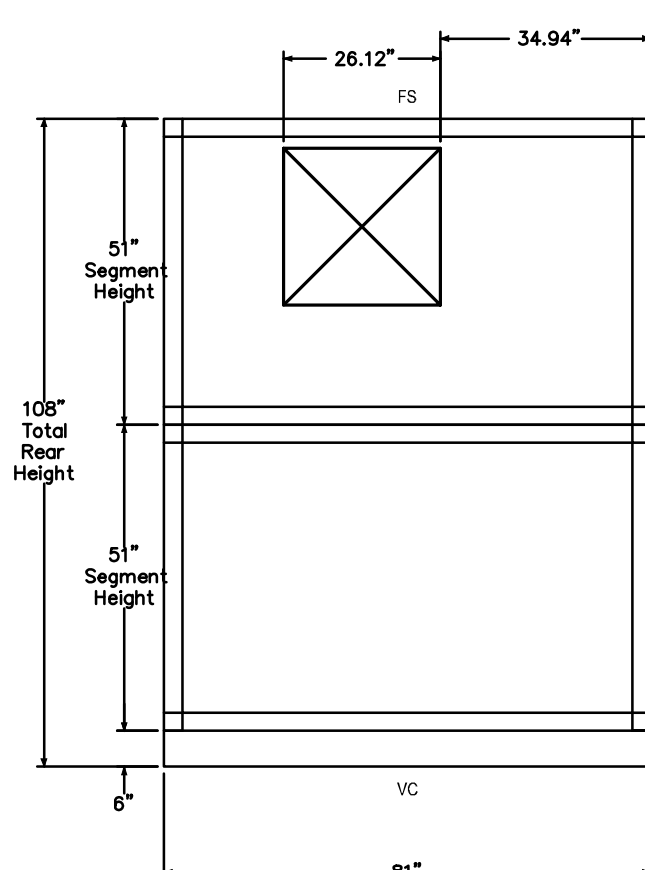


PLAN VIEW
TIER 2 - OUTLET END

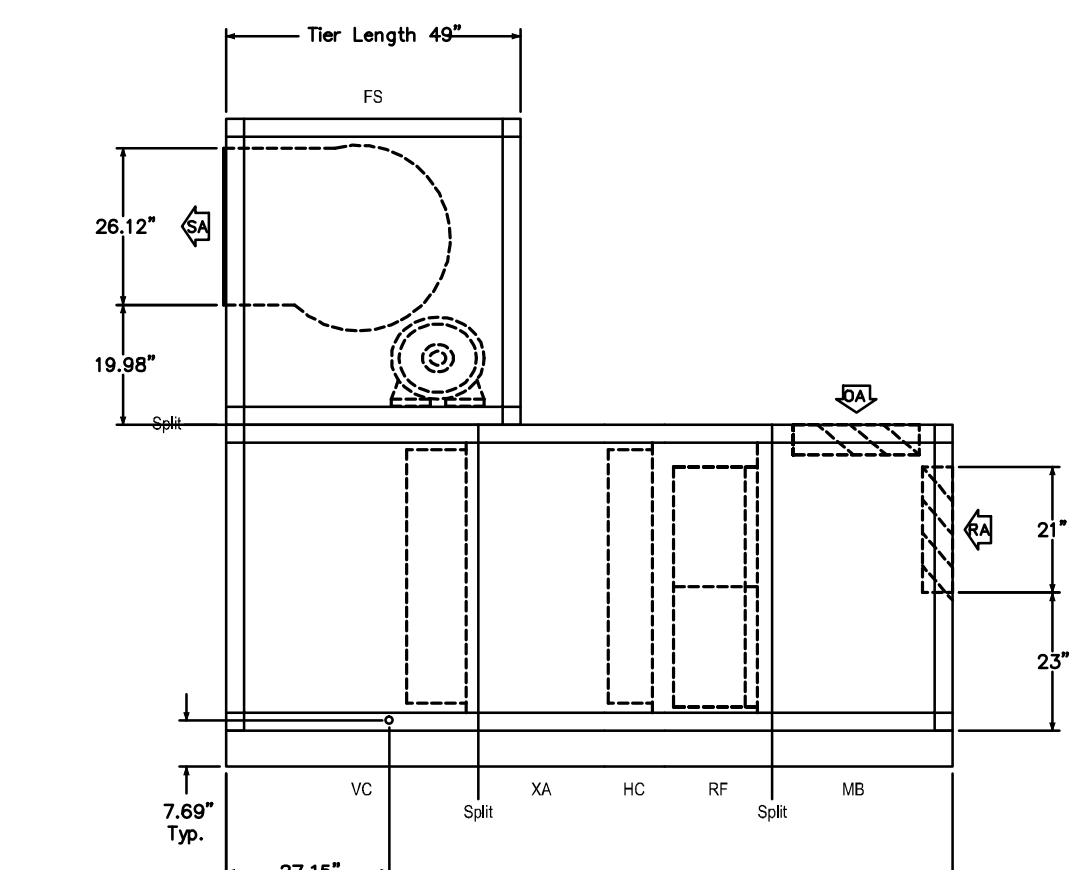


PLAN VIEW
TIER 1

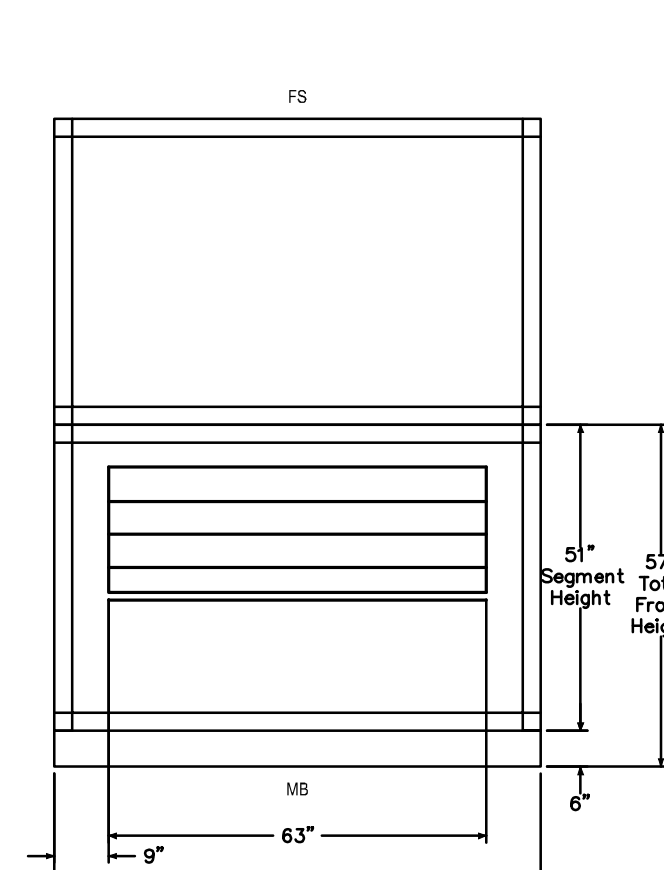
- FS (49) Supply Fan - 20-20 DWDI - 15.00 HP
VC (42) Vertical Coil
XA (21) Variable Length Access
HC (10) Heating Coil
RF (18) High Efficiency Filter
MB (30) Mixing Box



REAR (OUTLET) END VIEW

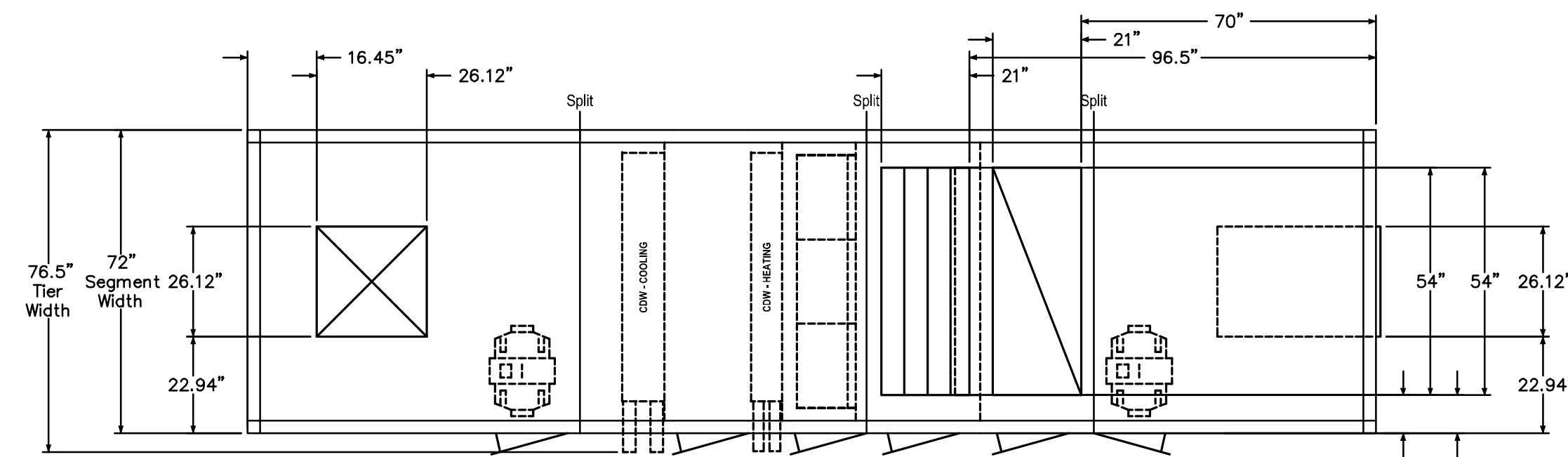


ELEVATION VIEW



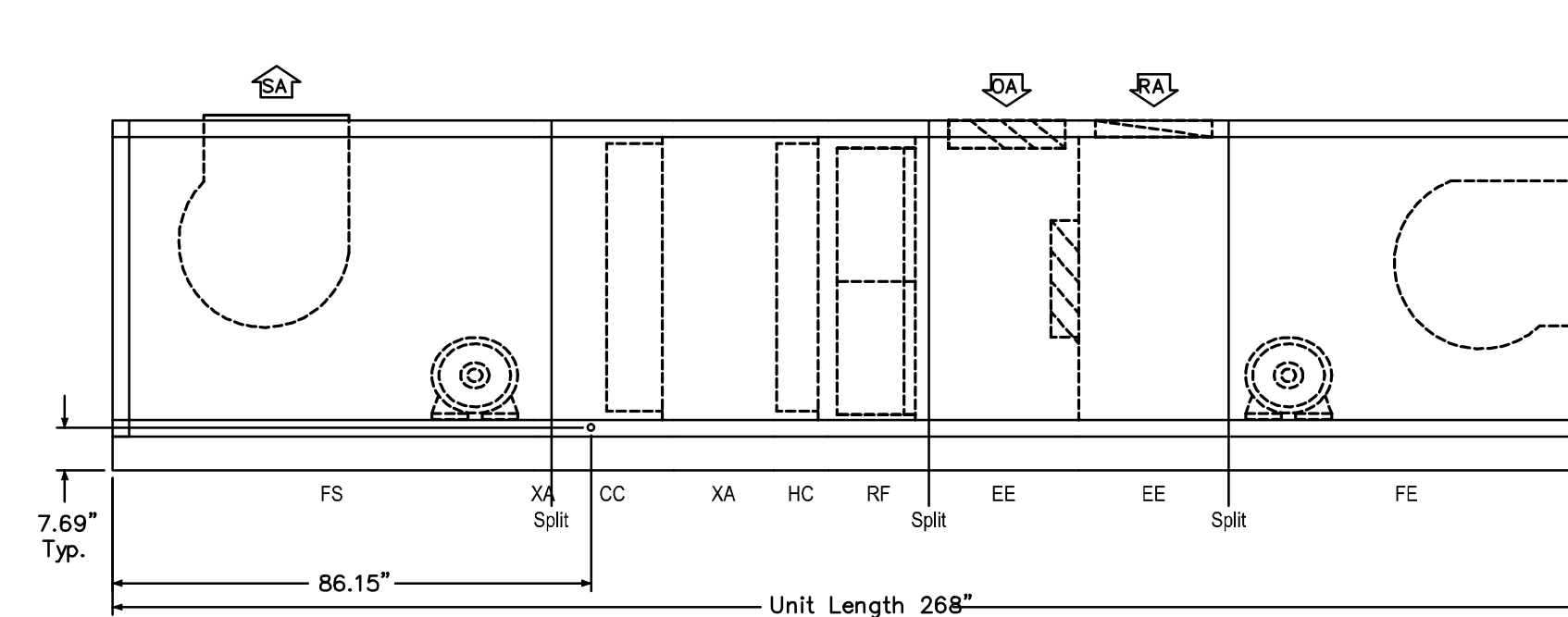
FRONT (INLET) END VIEW

3 AHU-6B
M5.02 NOT TO SCALE

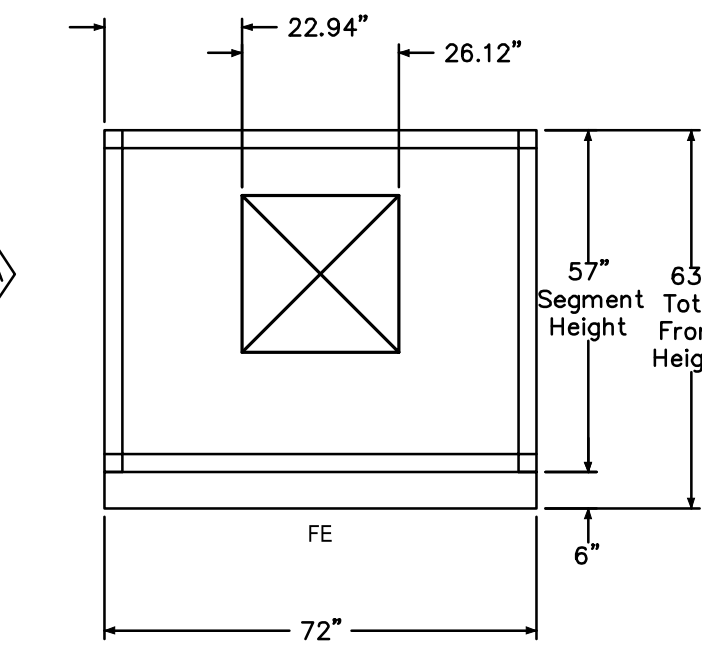


PLAN VIEW
TIER 1

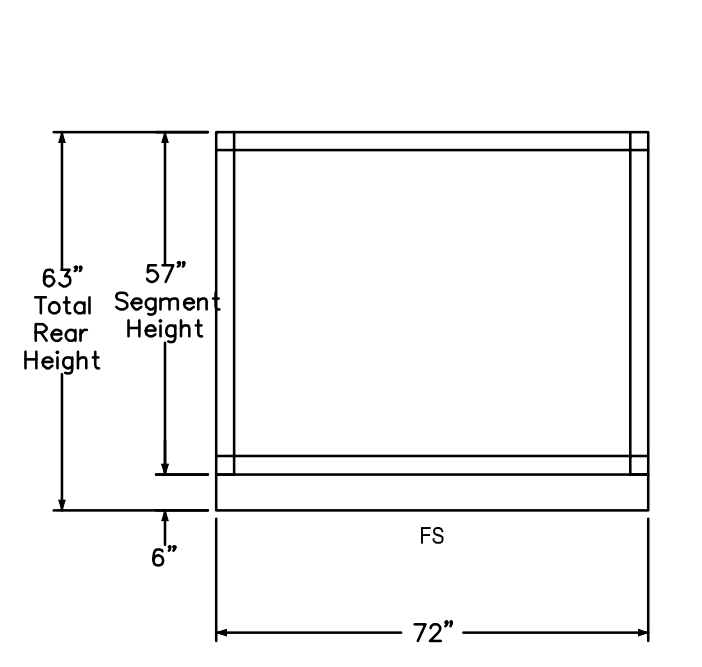
- FS (76) Supply Fan - 20-20 DWDI - 15.00 HP
XA (3) Variable Length Access
CC (22) Cooling Coil
XA (18) Variable Length Access
HC (10) Heating Coil
RF (18) High Efficiency Filter
EE (27) Economizer
FE (67) Exhaust Fan - 20-20 DWDI - 7.50 HP



ELEVATION VIEW



FRONT (INLET) END VIEW

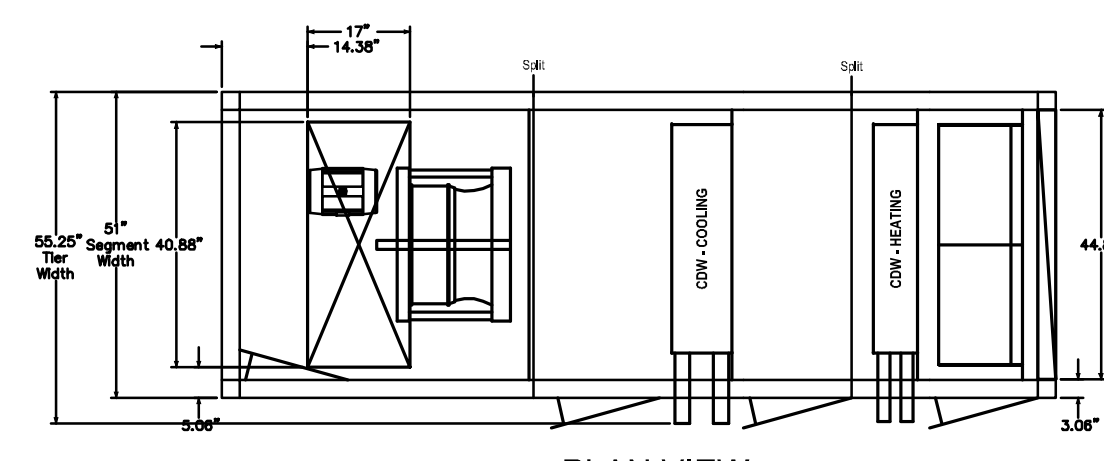


REAR (OUTLET) END VIEW

4 AHU-7
M5.02 NOT TO SCALE

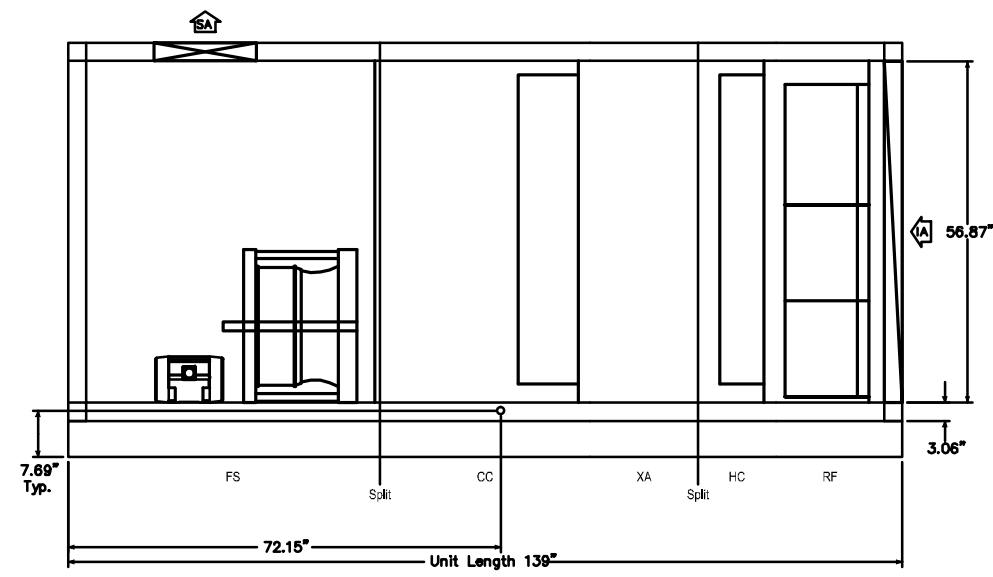
REFER TO M5.02 MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION

Drawing Title		STATE OF CONNECTICUT	
AIR HANDLING UNITS DETAILS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By WJZ Approved By CFR Drawing No. M5.02
		CAD No. 0532 M-AHU DETAILS.DWG	Project No. BI-RT-843

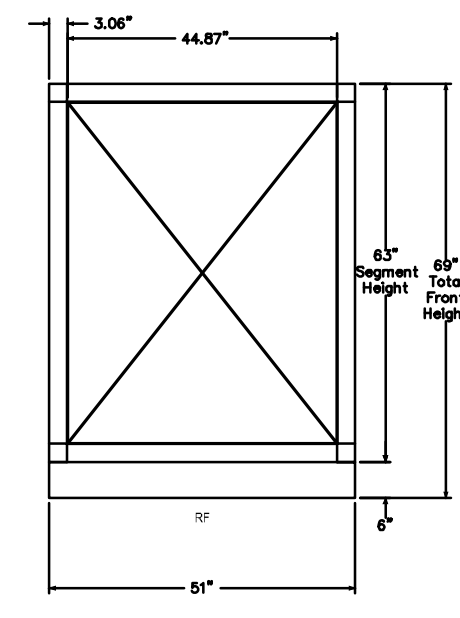


FS (52) Supply Fan - 20 APAF15.00 HP
 CC (35) Cooling Coil
 XA (18) Variable Length Access
 HC (13) Heating Coil
 RF (21) High Efficiency Filter

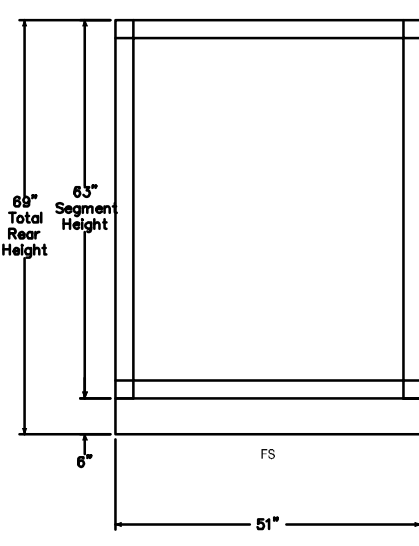
PLAN VIEW
TIER 1



ELEVATION VIEW

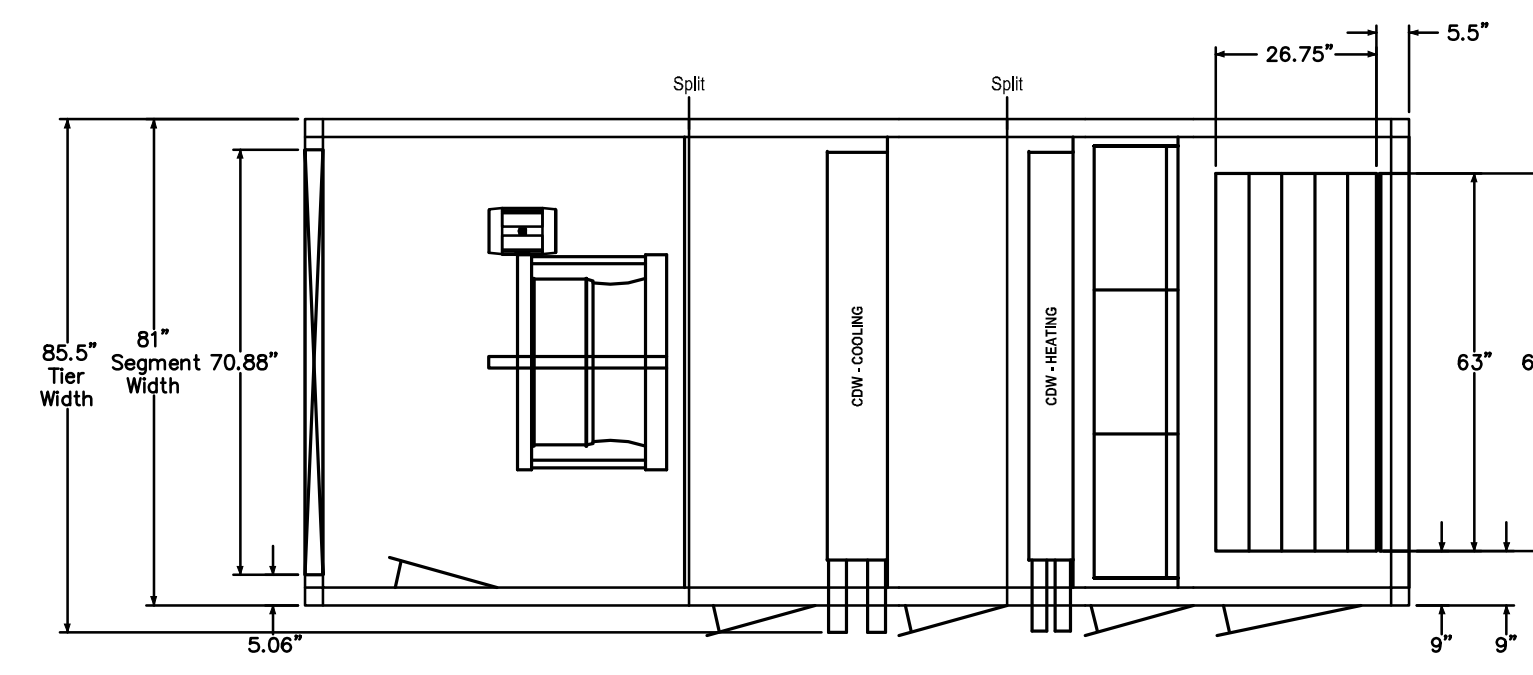


FRONT (INLET) END VIEW



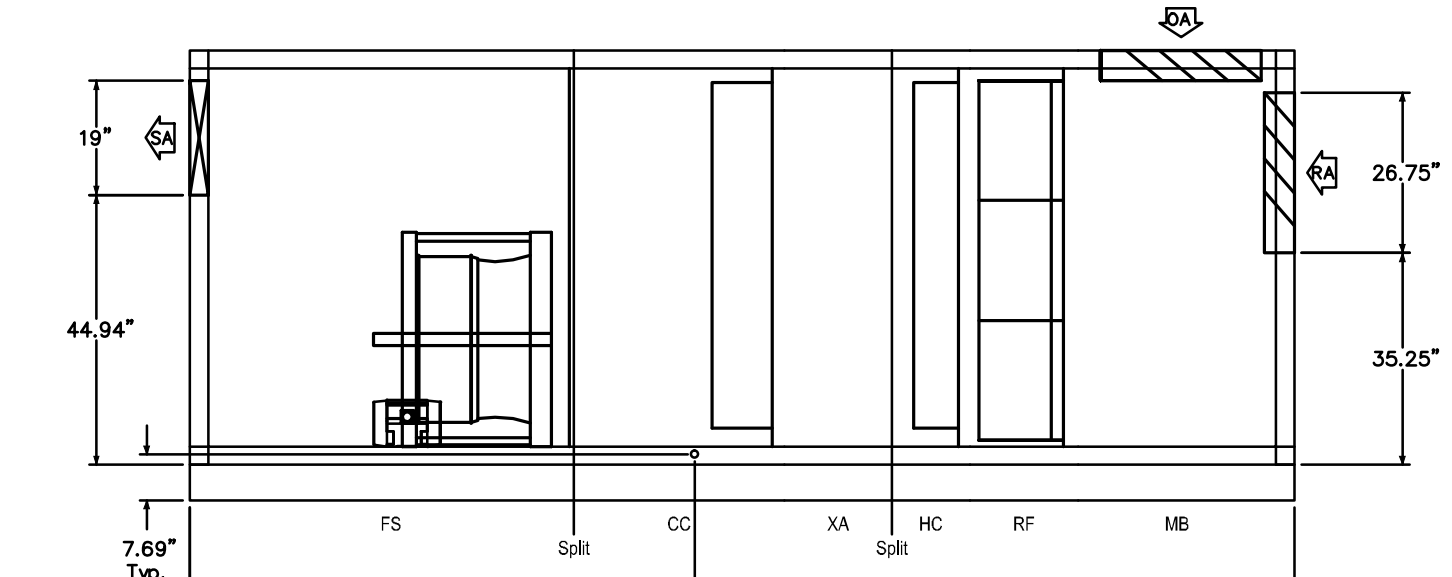
REAR (OUTLET) END VIEW

1 AHU-8
 M5.03 NOT TO SCALE

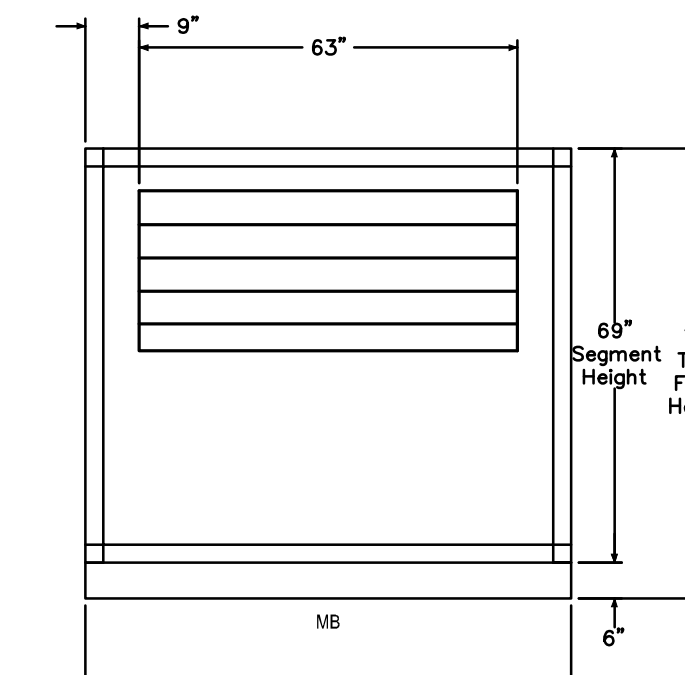


FS (64) Supply Fan - 28 APAF25.00 HP
 CC (35) Cooling Coil
 XA (18) Variable Length Access
 HC (13) Heating Coil
 RF (18) High Efficiency Filter
 MB (36) Mixing Box

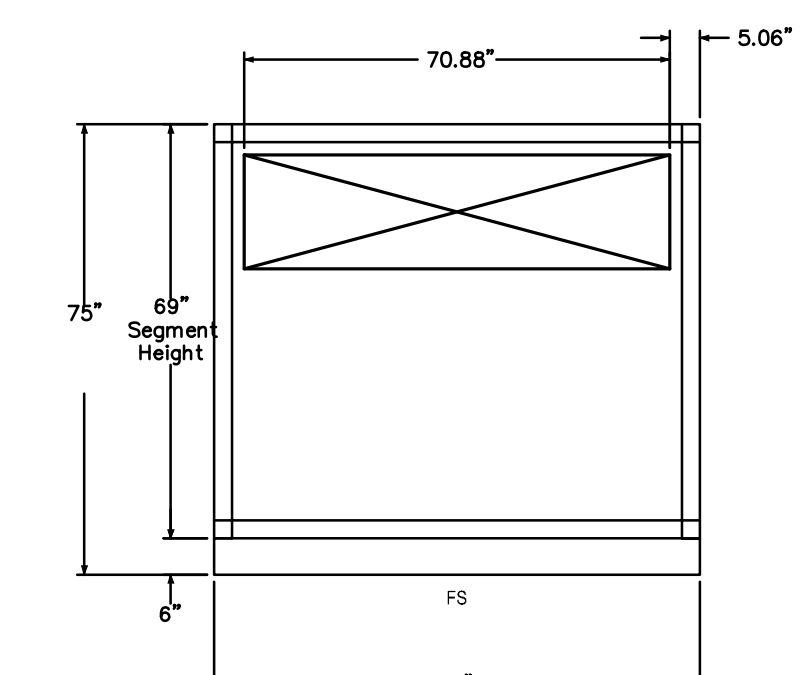
PLAN VIEW
TIER 1



ELEVATION VIEW

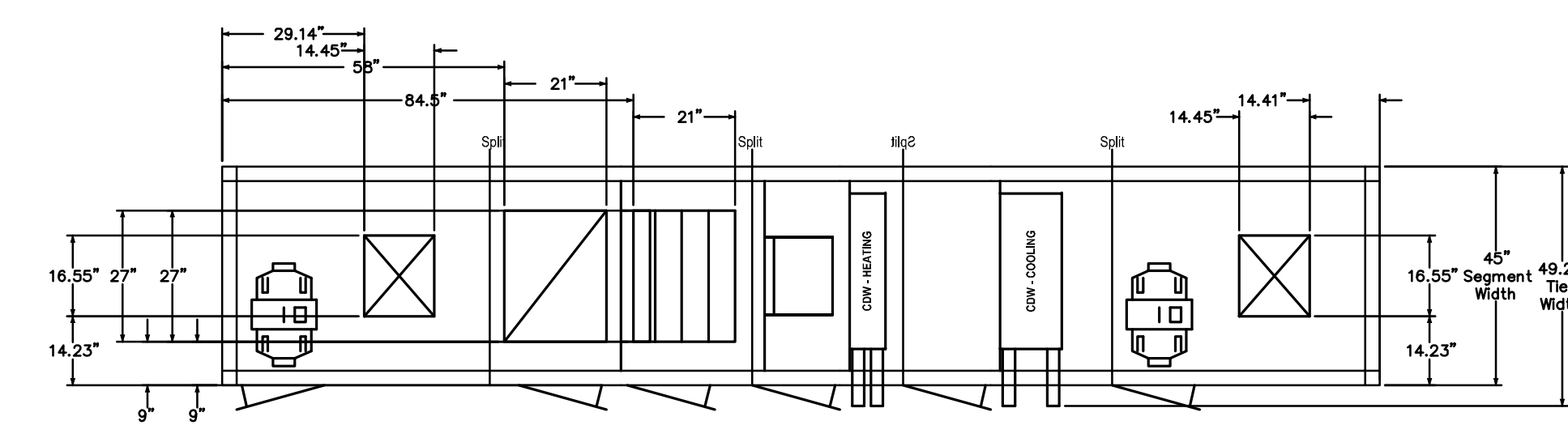


FRONT (INLET) END VIEW



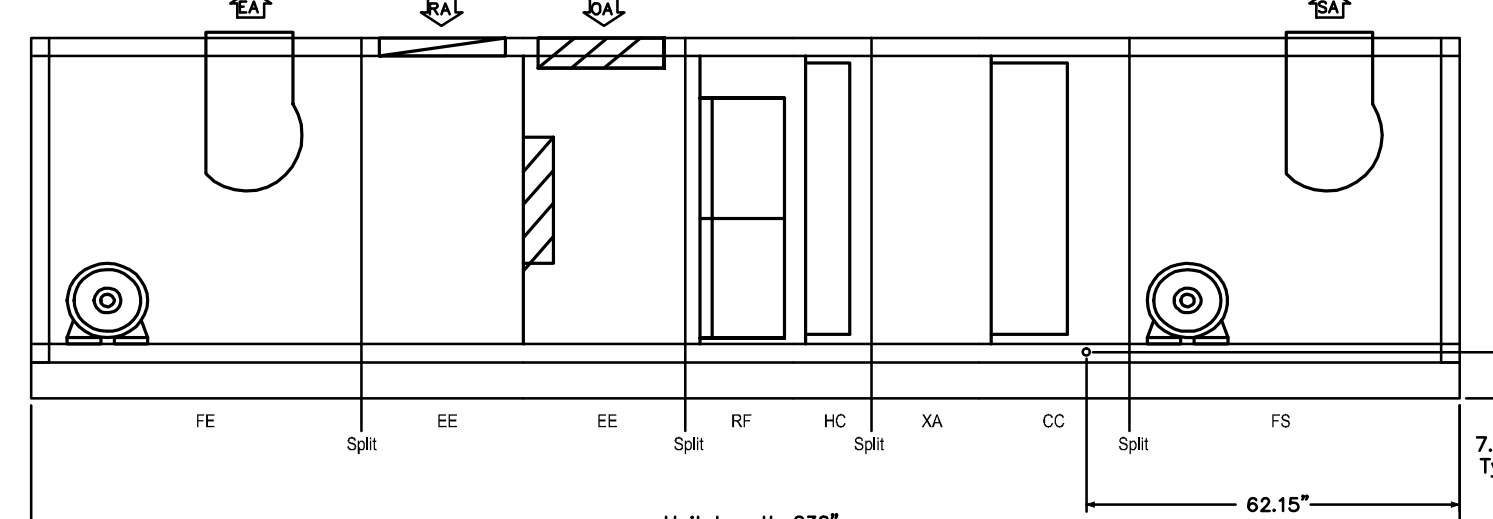
REAR (OUTLET) END VIEW

2 AHU-9
 M5.03 NOT TO SCALE

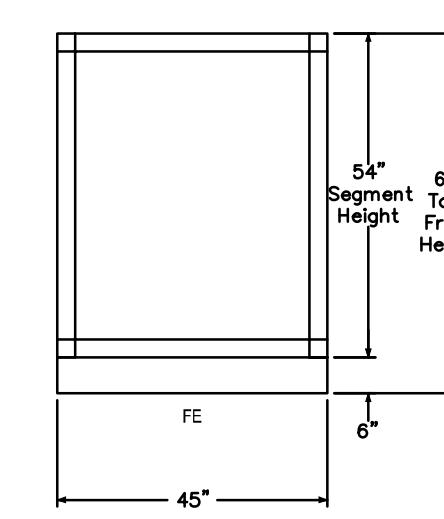


FS (59) Supply Fan - 18-18 DWDI - 15.00 HP
 CC (22) Cooling Coil
 XA (18) Variable Length Access
 HC (10) Heating Coil
 RF (21) High Efficiency Filter
 EE (26) Economizer
 EE (27) Economizer
 FE (76) Exhaust Fan - 18-18 DWDI - 5.00 HP

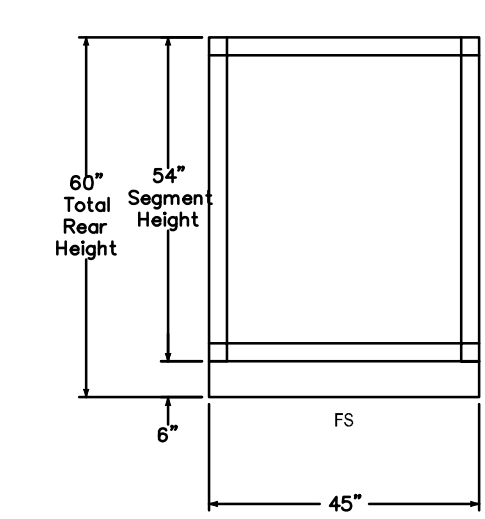
PLAN VIEW
TIER 1



ELEVATION VIEW

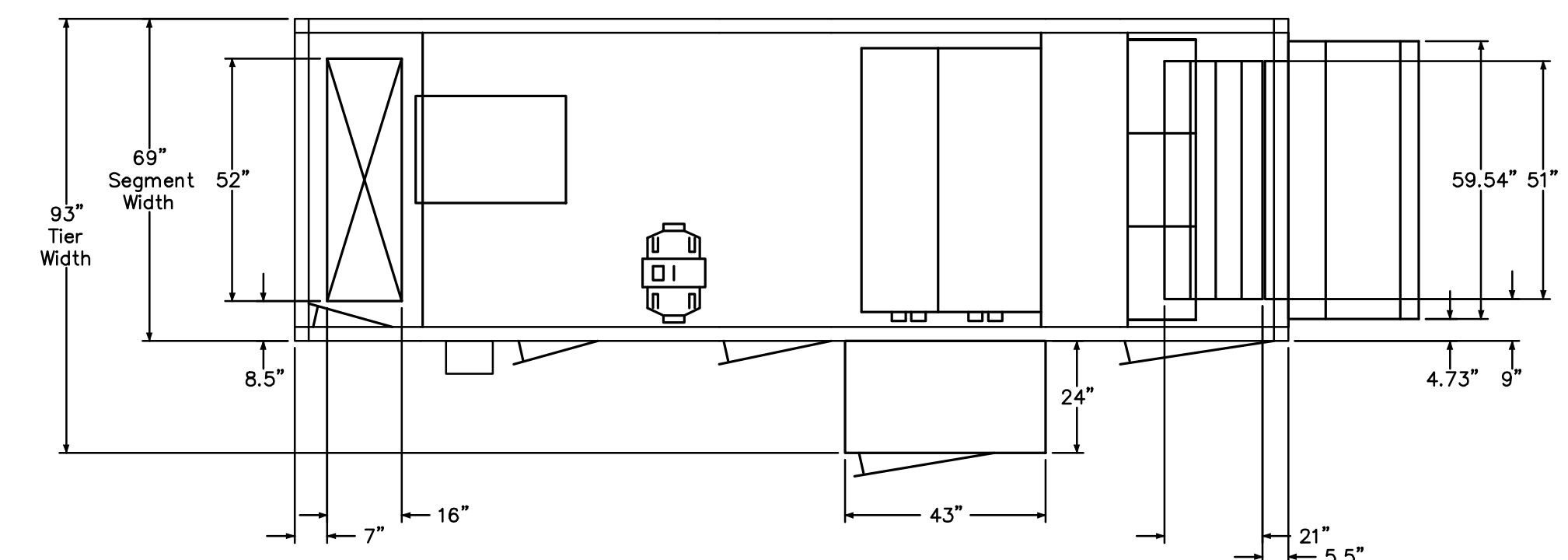


FRONT (INLET) END VIEW



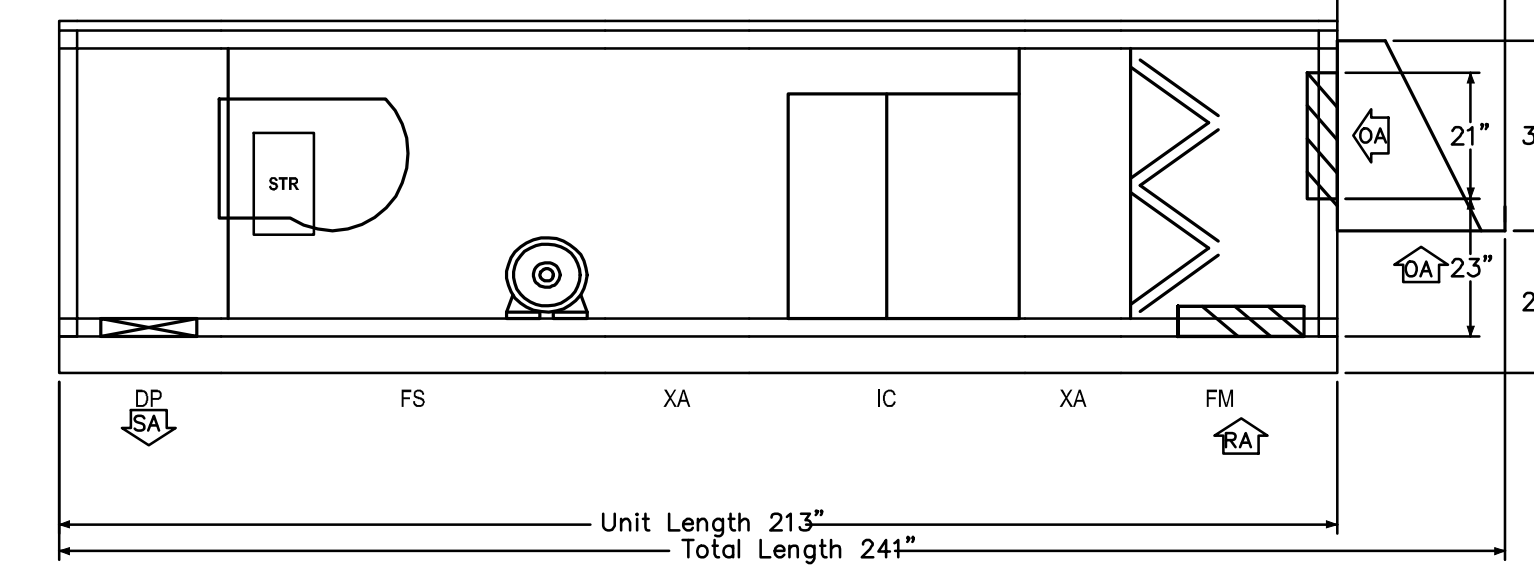
REAR (OUTLET) END VIEW

3 AHU-10
 M5.03 NOT TO SCALE

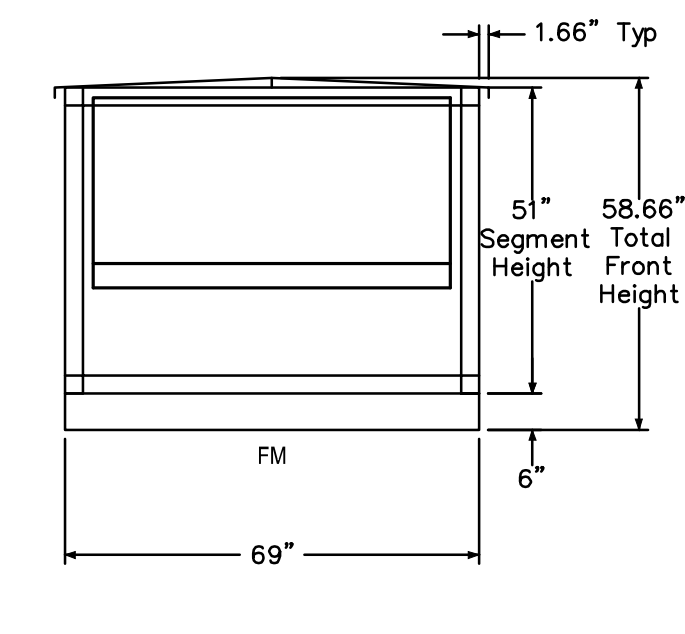


DP (27) Discharge Plenum
 FS (64) Supply Fan - 18-18 DWDI - 5.00 HP
 XA (24) Variable Length Access
 IC (46) Integral F&BP Coil
 XA (16) Variable Length Access
 FM (36) Filter/Mixing Box

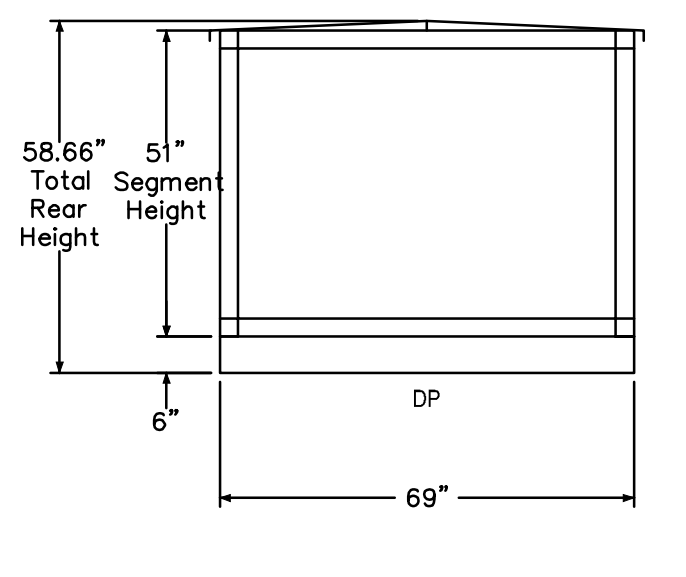
PLAN VIEW
TIER 1



ELEVATION VIEW



FRONT (INLET) END VIEW

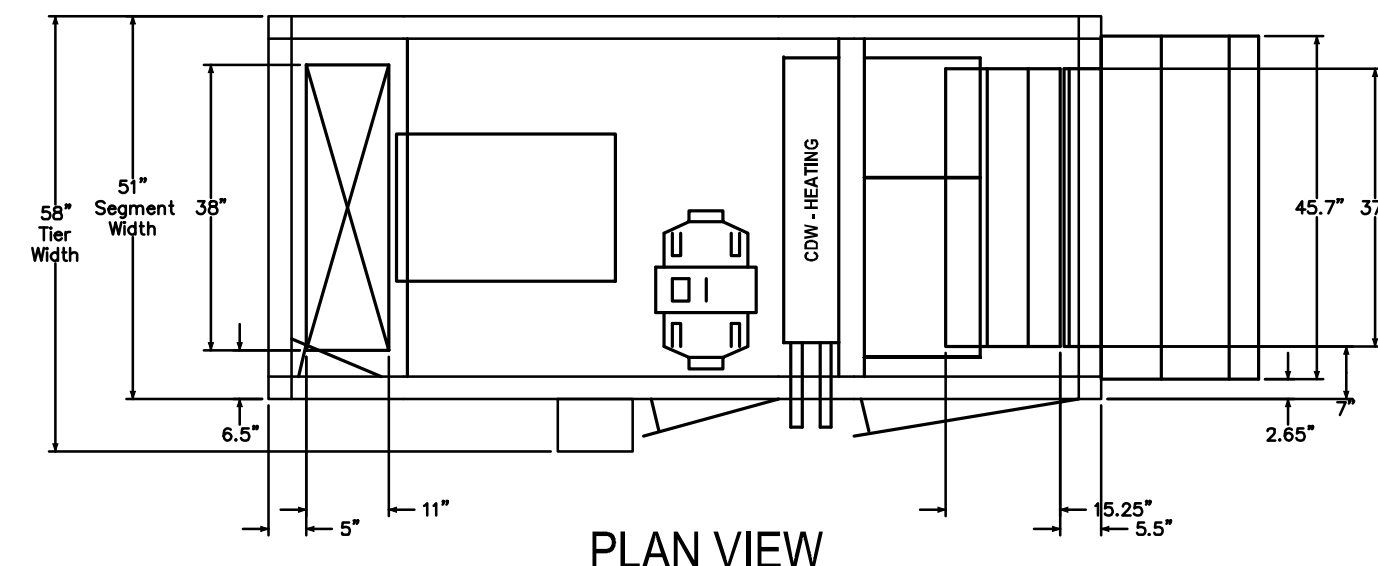


REAR (OUTLET) END VIEW

4 HV-1
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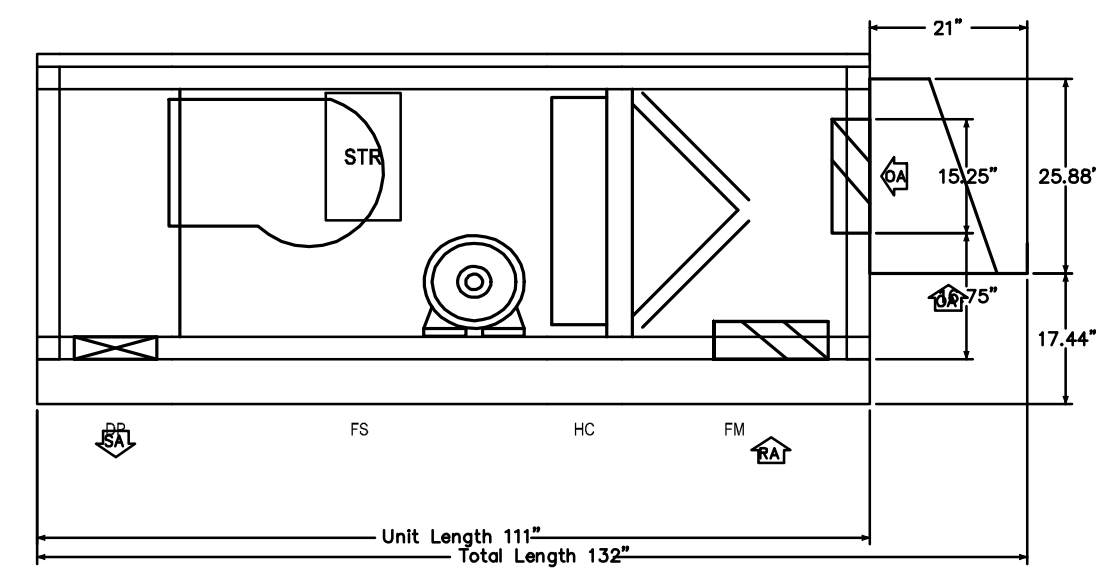
REFER TO M5.02 MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION

Drawing Title		STATE OF CONNECTICUT	
AIR HANDLING UNITS DETAILS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Wyllys St, Suite 1-203		Scale	
Hartford, CT 06106		NONE	
Project		Drawn By	
H.C. Wilcox Technical High School		WJF	
Meriden, CT		Approved By	
		CFR	
CAD No.		Drawing No.	
0532 M-AHU DETAILS.DWG		M5.03	

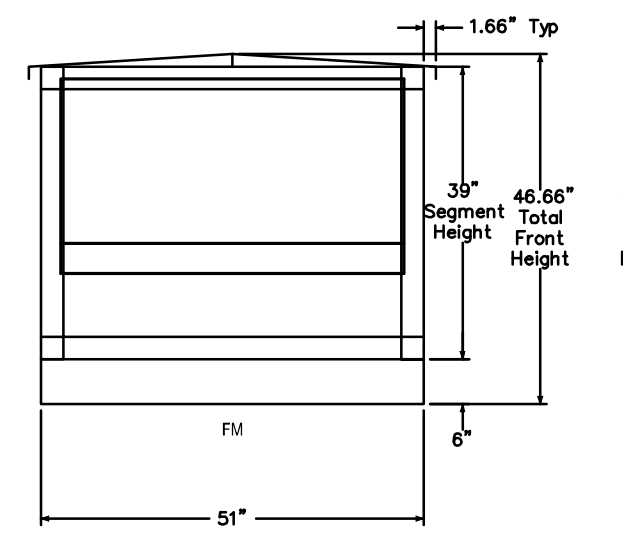


DP (18) Discharge Plenum
FS (50) Supply Fan - 15-15 DWDI - 3.00 HP
HC (10) Heating Coil
FM (33) Filter/Mixing Box

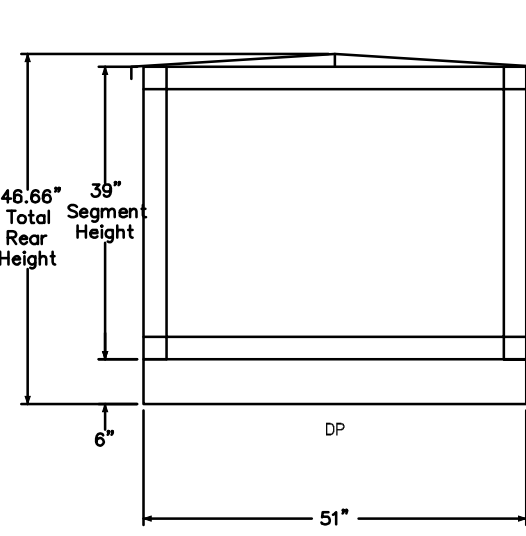
PLAN VIEW
TIER 1



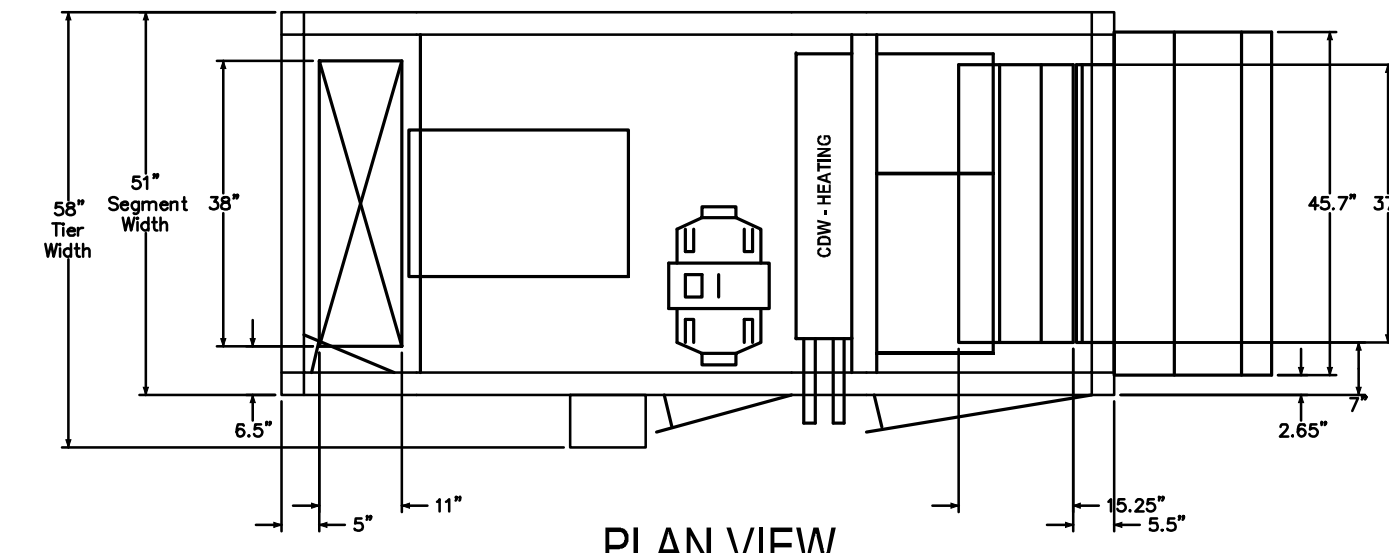
ELEVATION VIEW



FRONT (INLET) END VIEW

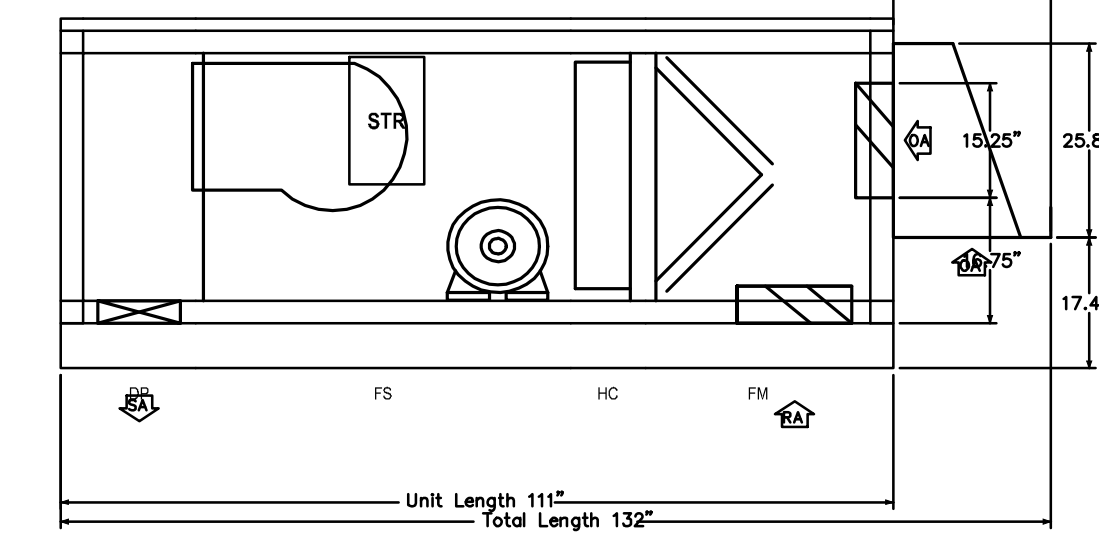


REAR (OUTLET) END VIEW

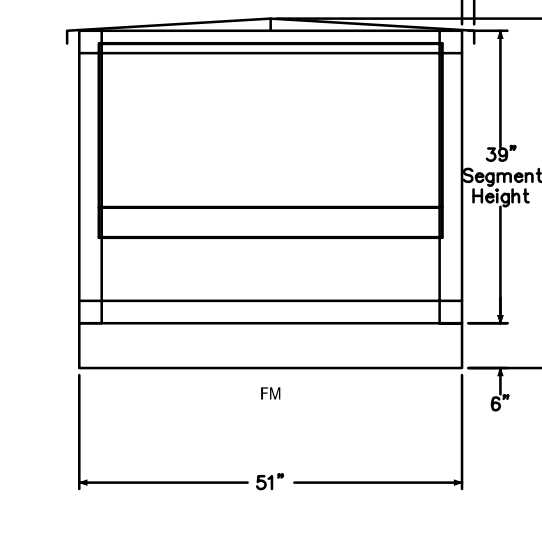


DP (18) Discharge Plenum
FS (50) Supply Fan - 15-15 DWDI - 3.00 HP
HC (10) Heating Coil
FM (33) Filter/Mixing Box

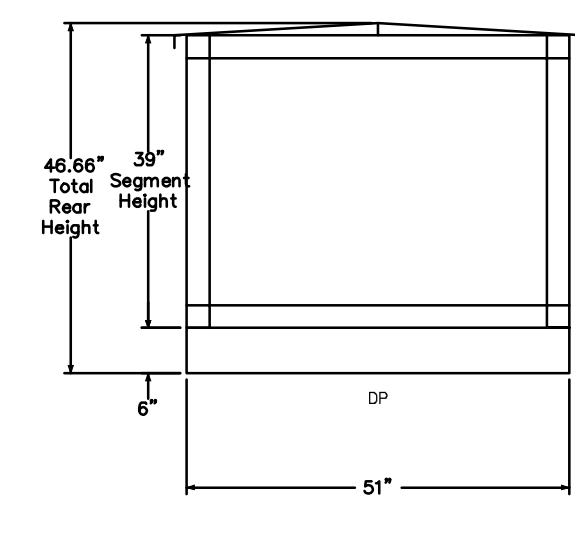
PLAN VIEW
TIER 1



ELEVATION VIEW



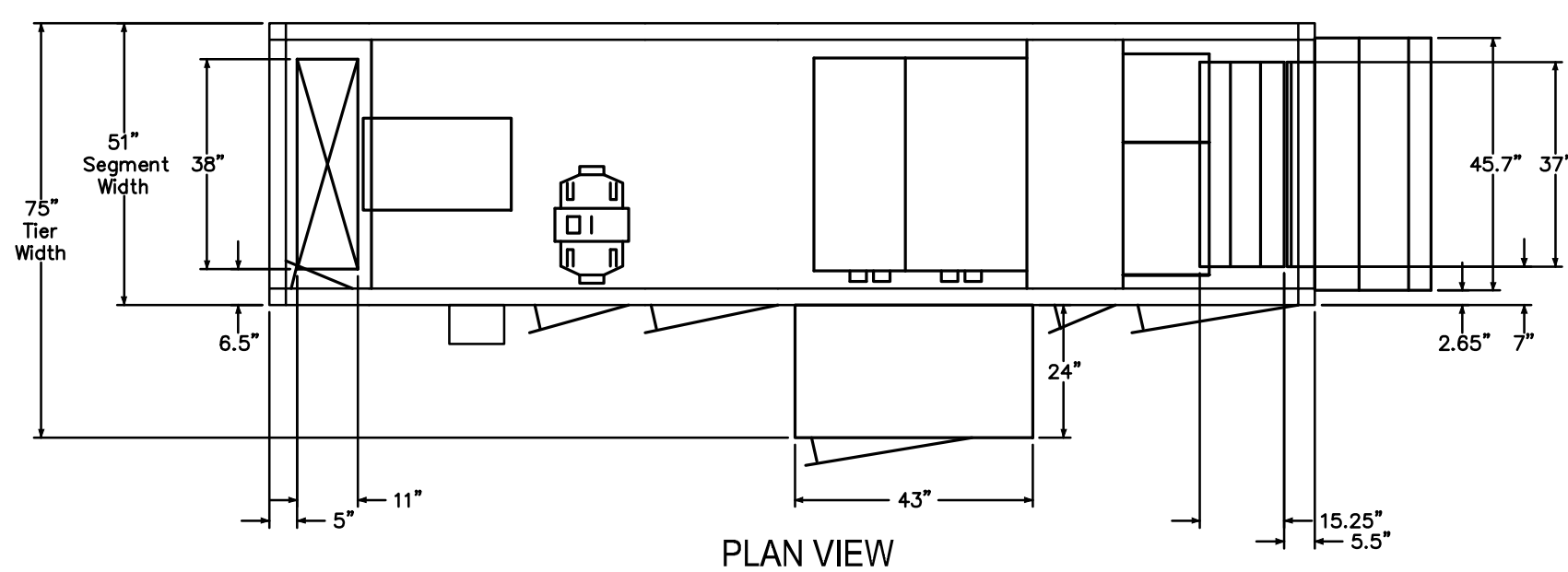
FRONT (INLET) END VIEW



REAR (OUTLET) END VIEW

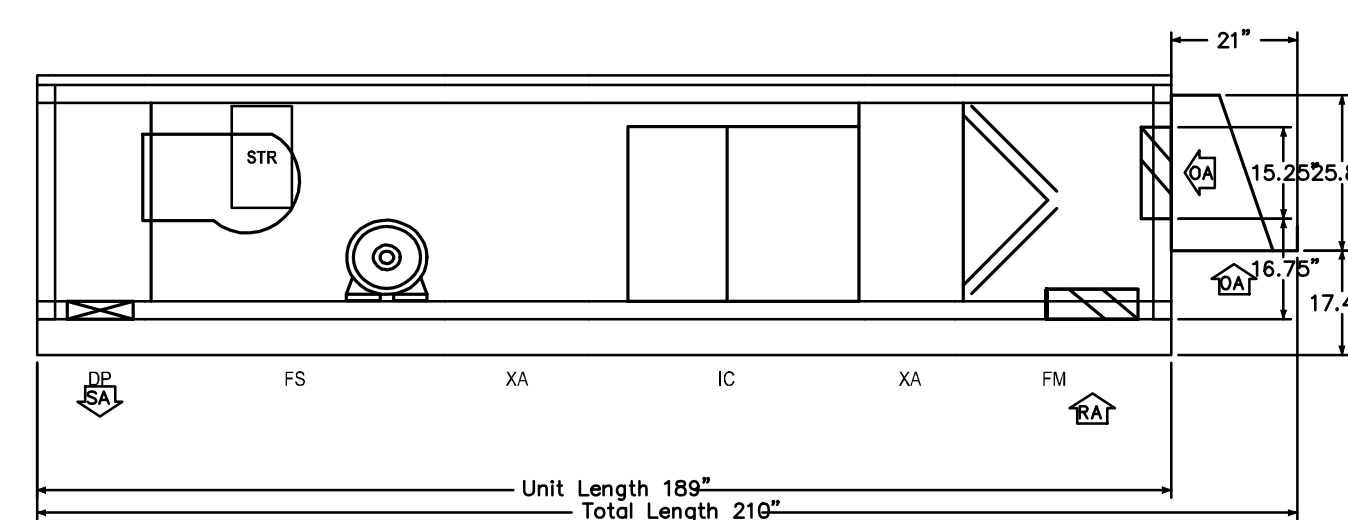
1 HV-2
M5.04 NOT TO SCALE

2 HV-3
M5.04 NOT TO SCALE

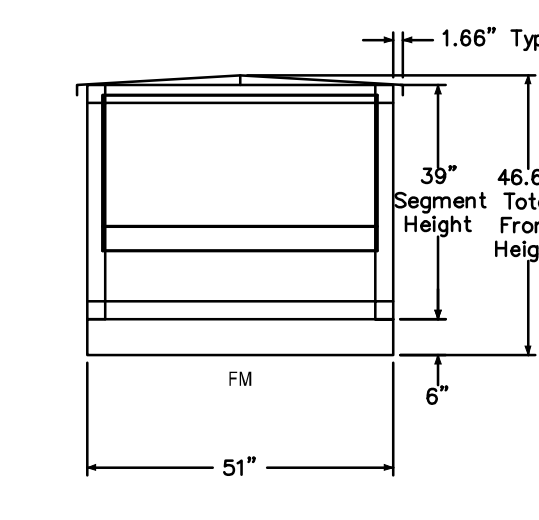


DP (18) Discharge Plenum
FS (50) Supply Fan - 12-12 DWDI - 5.00 HP
XA (24) Variable Length Access
IC (46) Integral F&B² Coil
XA (15) Variable Length Access
FM (36) Filter/Mixing Box

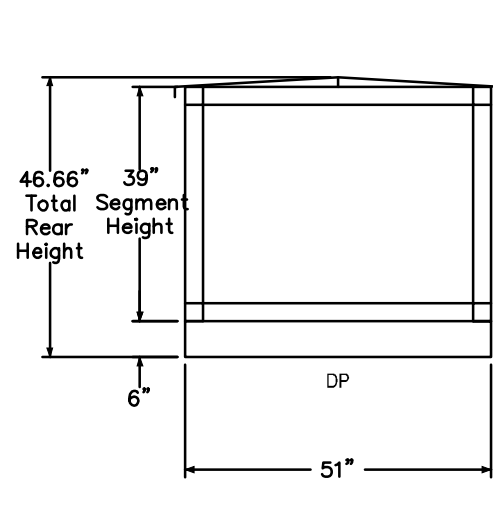
PLAN VIEW
TIER 1



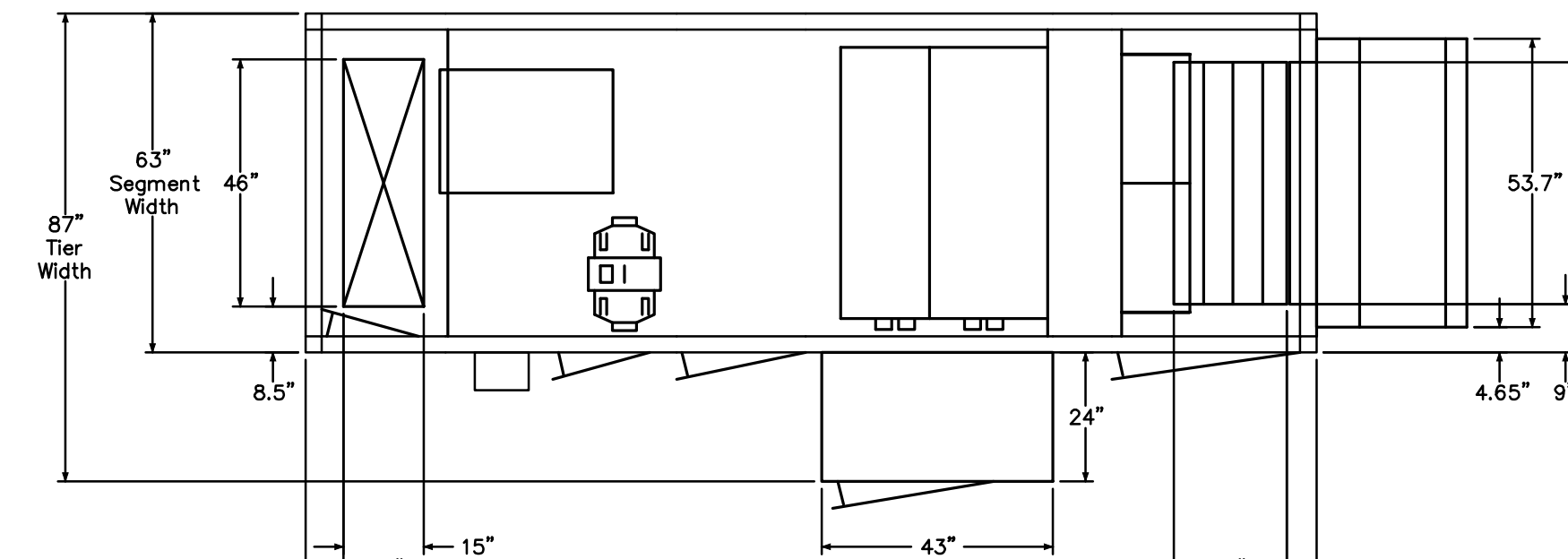
ELEVATION VIEW



FRONT (INLET) END VIEW

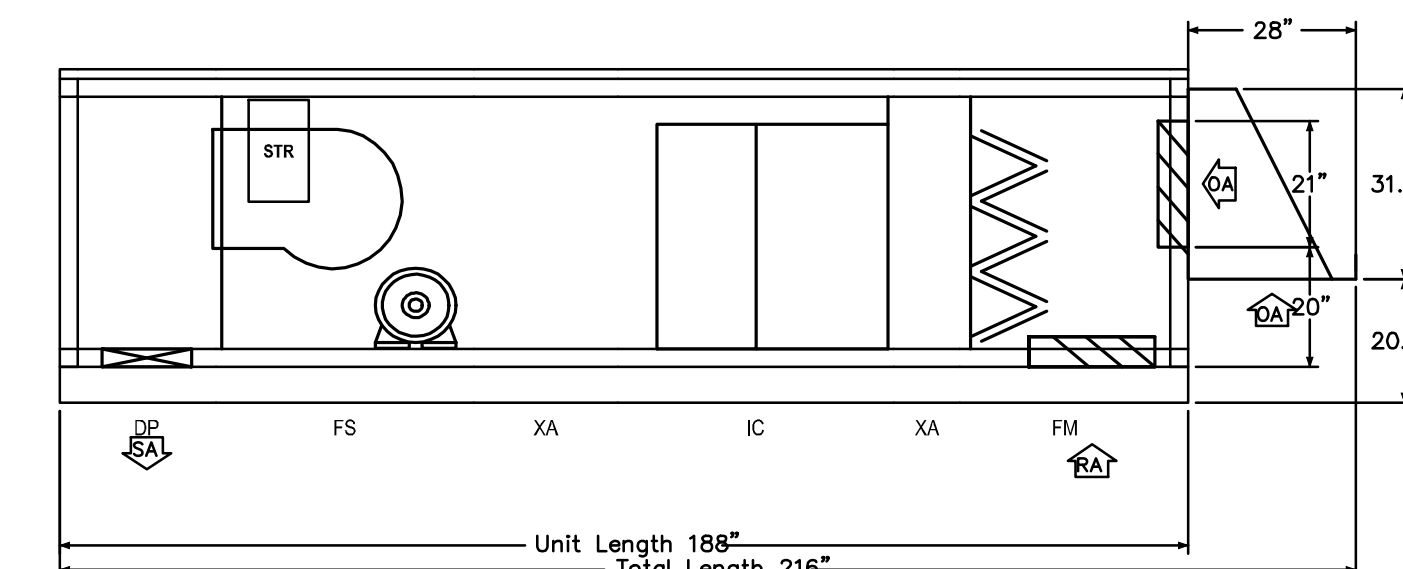


REAR (OUTLET) END VIEW

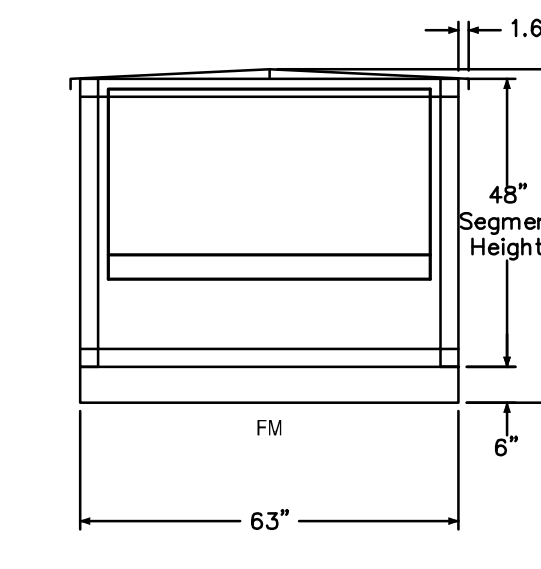


DP (26) Discharge Plenum
FS (43) Supply Fan - 18-18 DWDI - 3.00 HP
XA (24) Variable Length Access
IC (46) Integral F&B² Coil
XA (11) Variable Length Access
FM (38) Filter/Mixing Box

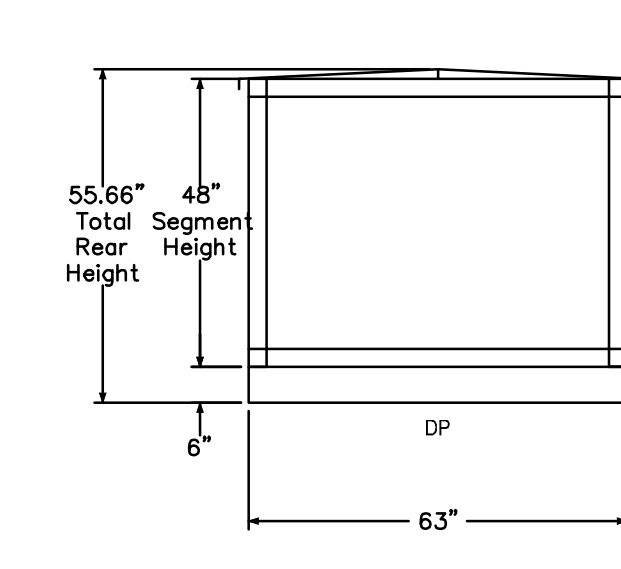
PLAN VIEW
TIER 1



ELEVATION VIEW



FRONT (INLET) END VIEW



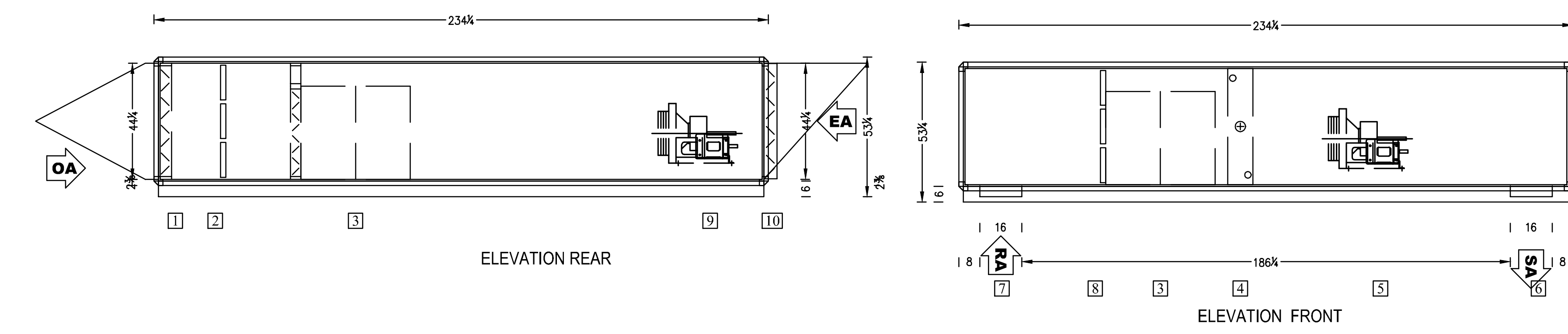
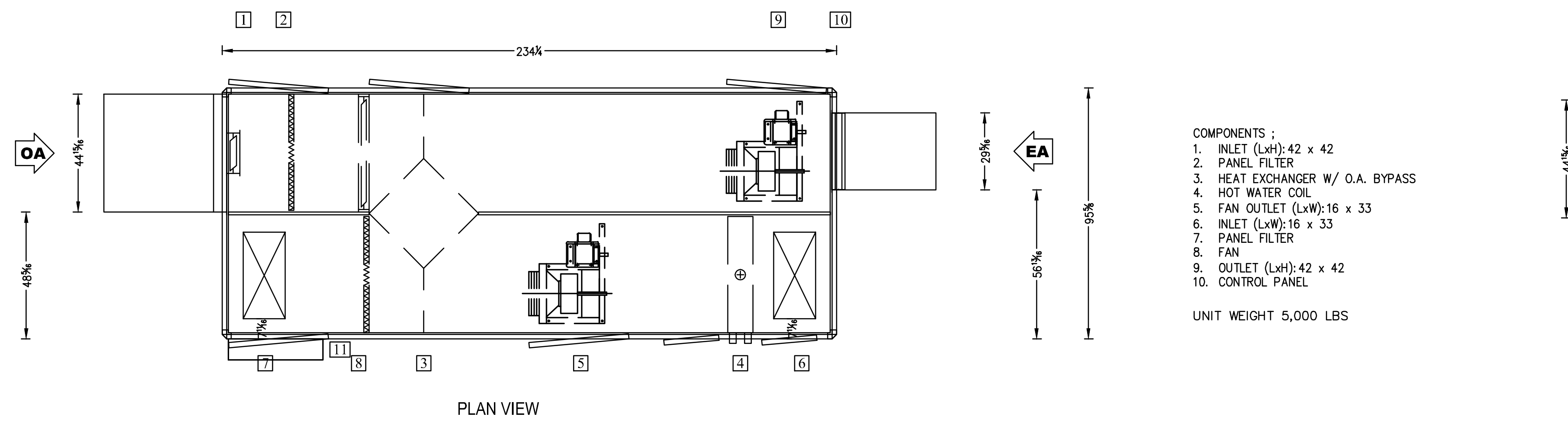
REAR (OUTLET) END VIEW

3 HV-4
M5.04 NOT TO SCALE

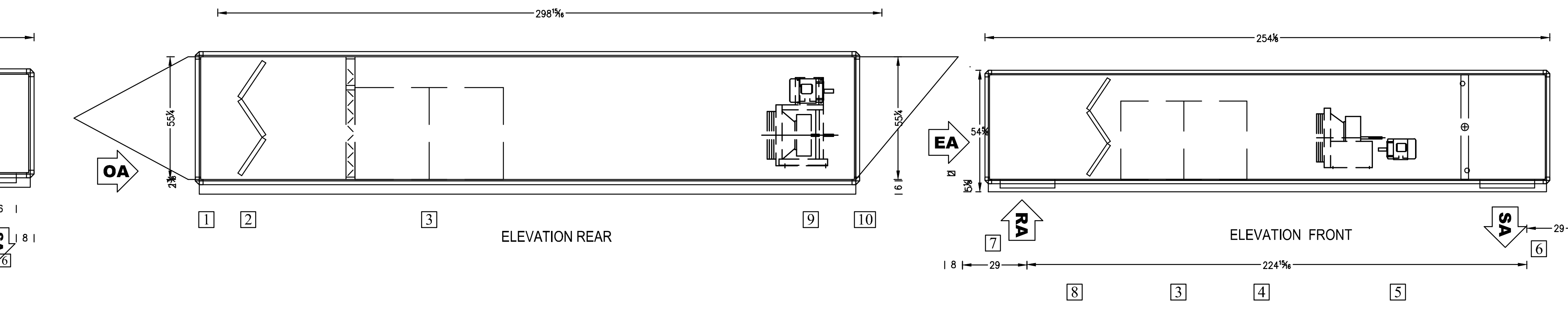
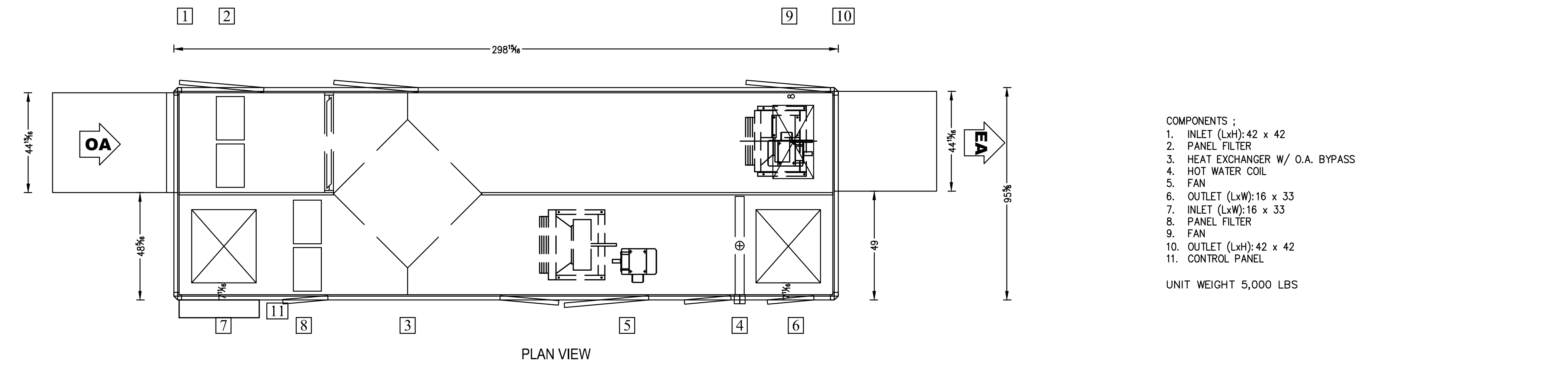
4 HV-5
M5.04 NOT TO SCALE

REFER TO M5.02 MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION

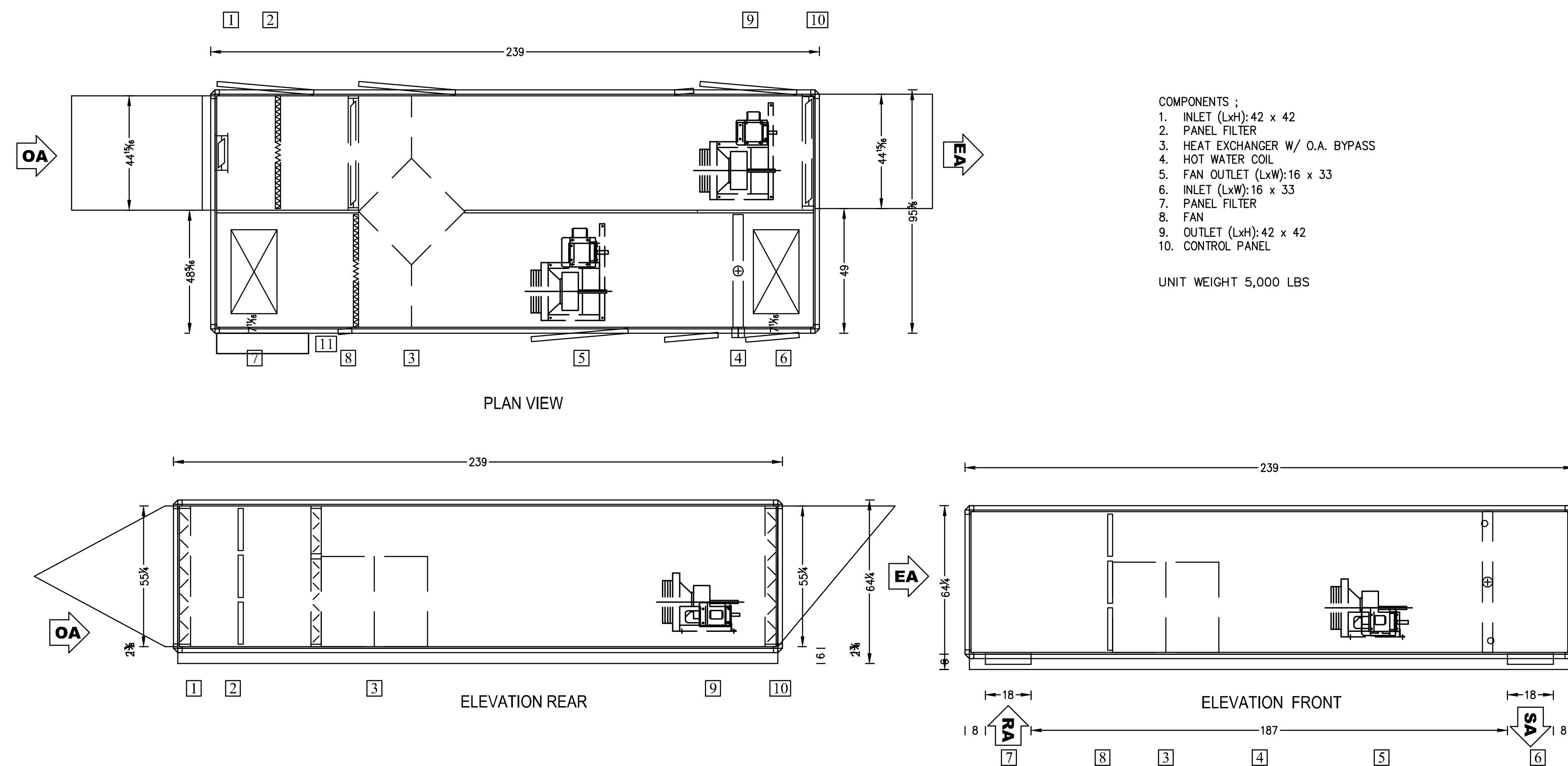
Drawing Title		STATE OF CONNECTICUT	
AIR HANDLING UNITS DETAILS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale NONE
			Drawn By WJF
			Approved By CFR
			Drawing No. M5.04
CAD No. 0532 M-AHU DETAILS.DWG		Project No. BI-RT-843	



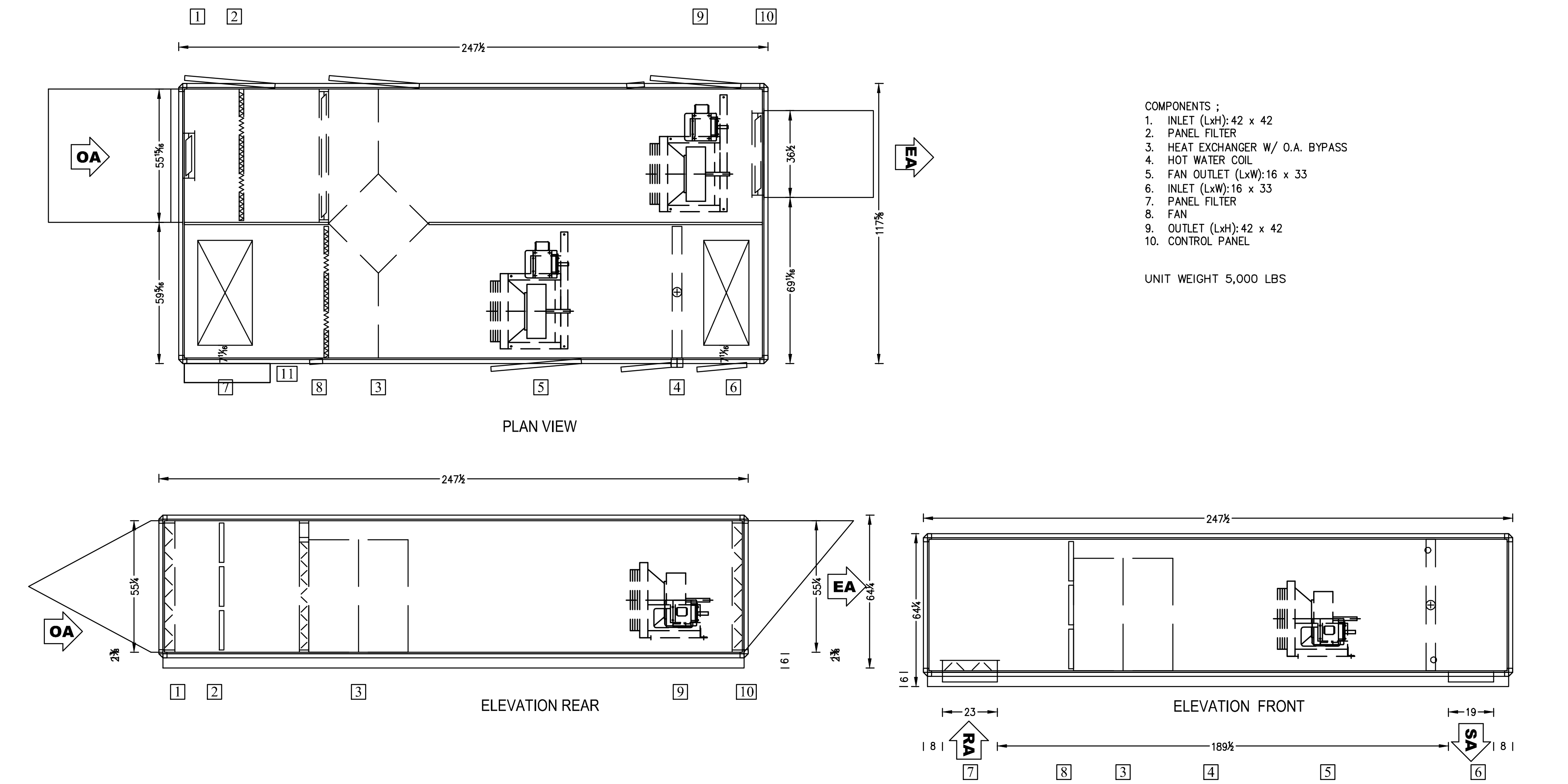
1 HV-6A
M5.05 NOT TO SCALE



2 HV-6B
M5.05 NOT TO SCALE



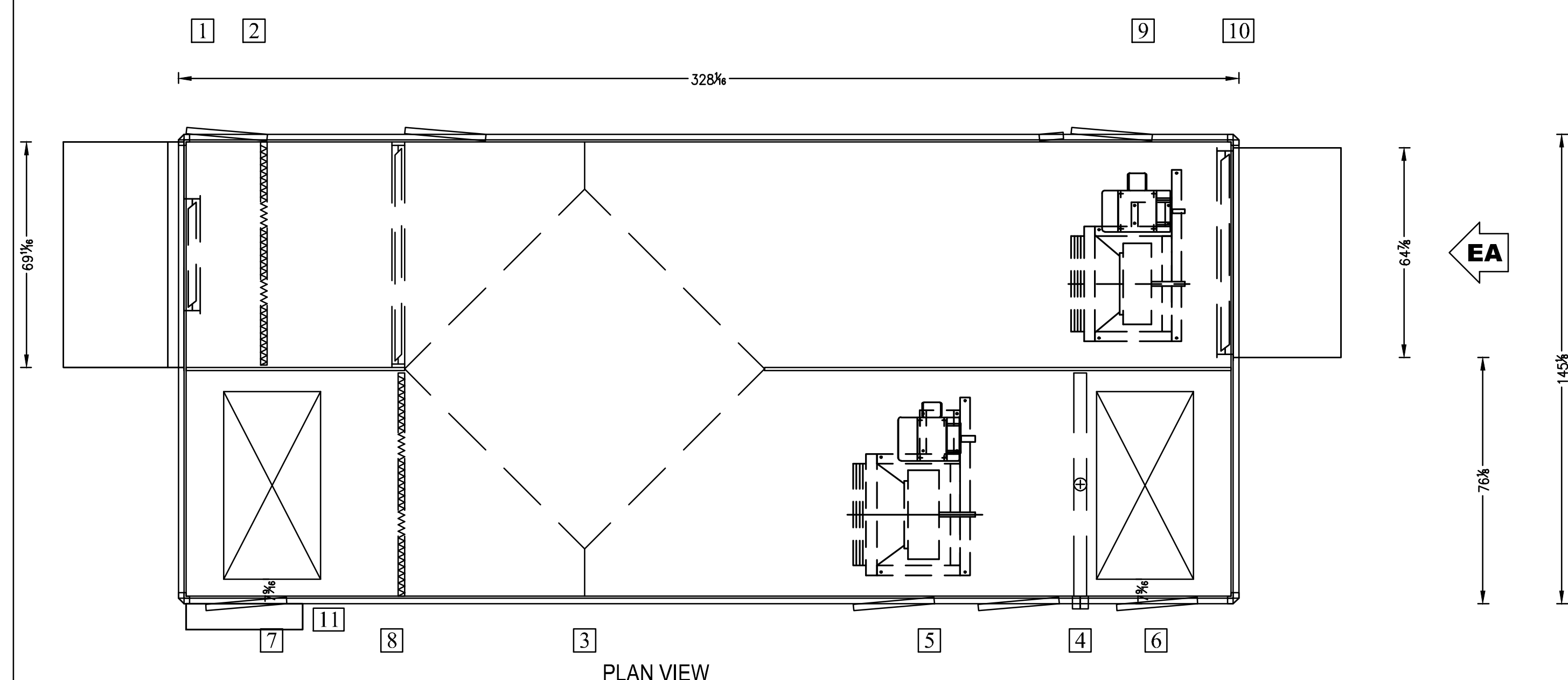
3 HV-7A
M5.05 NOT TO SCALE



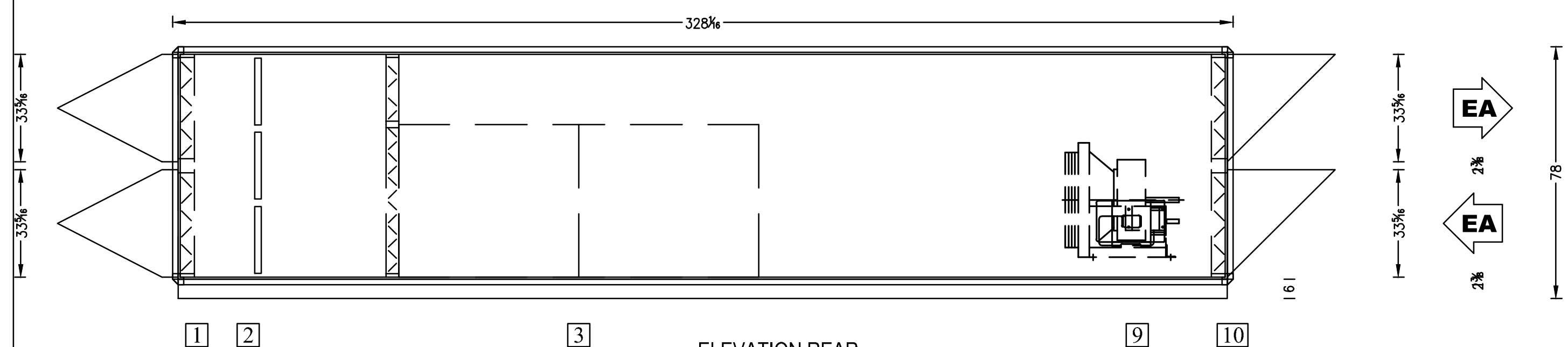
4 HV-7B
M5.05 NOT TO SCALE

REFER TO M5.02 MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION

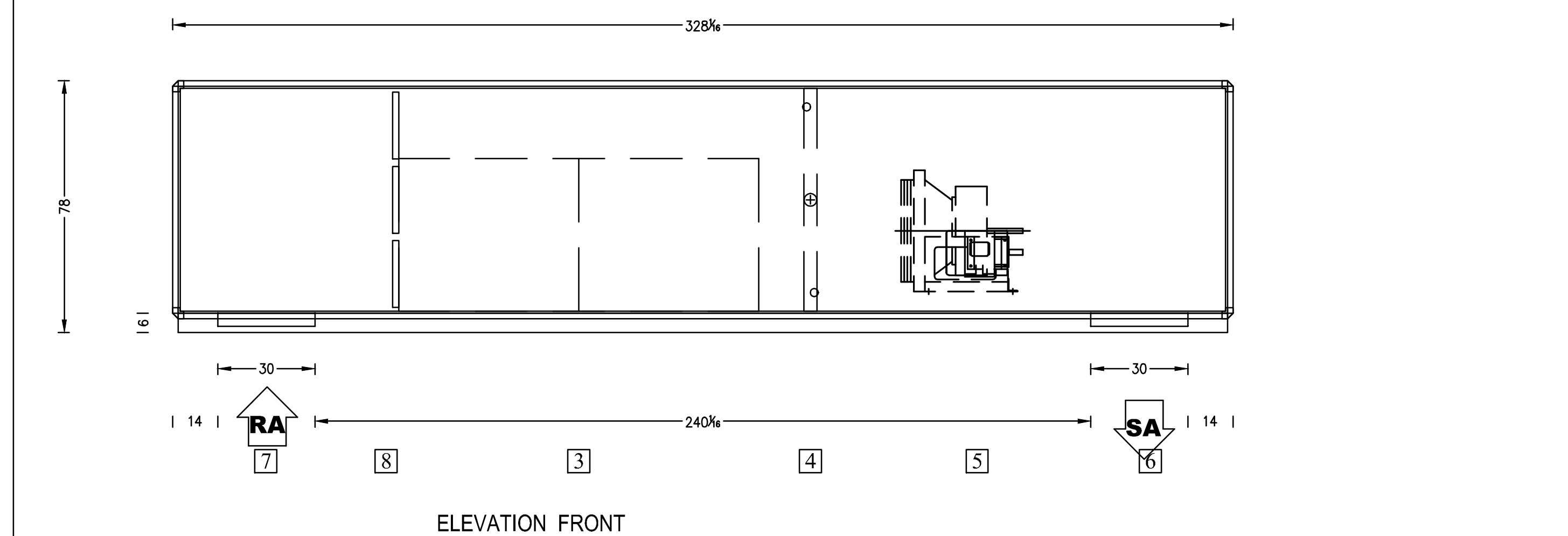
Drawing Title AIR HANDLING UNITS DETAILS MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale NONE
		Approved By CFR	Drawn By WJY
		Drawing No.	Approved By
CAD No. 0532 M-AHU DETAILS.DWG	Project No. BI-RT-843		M5.05



PLAN VIEW



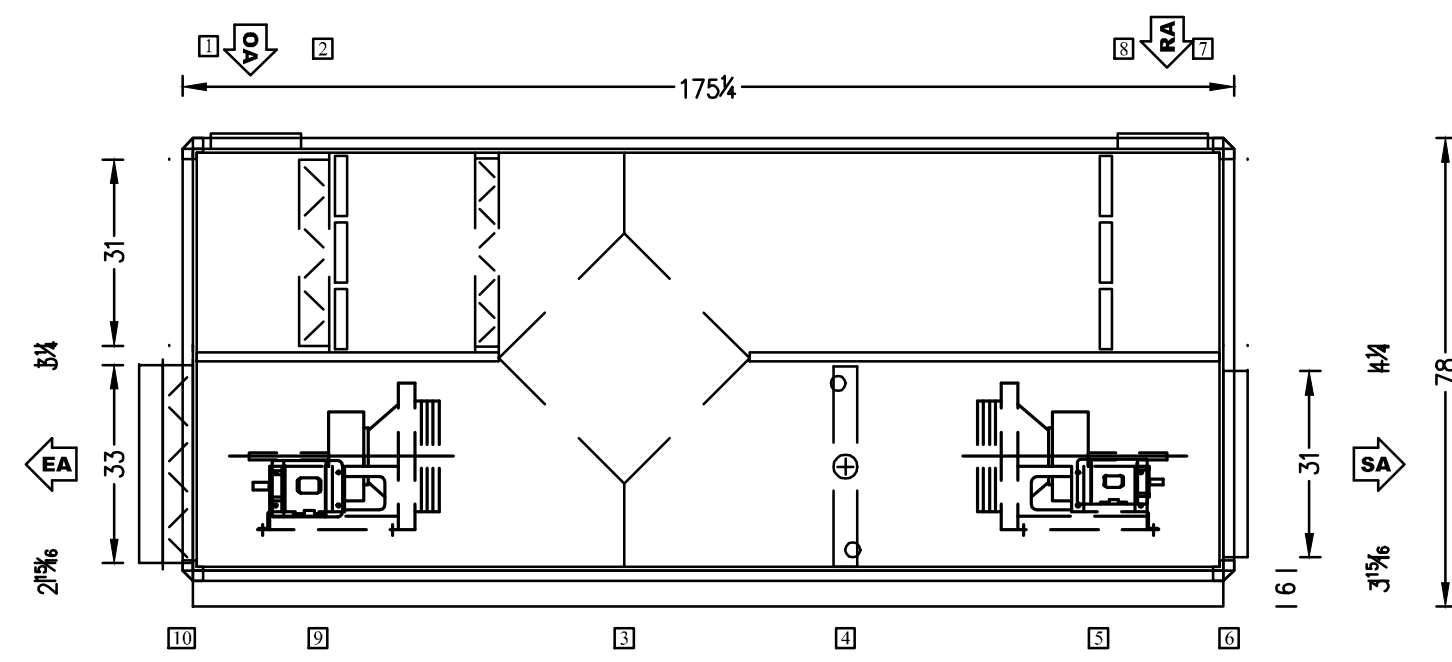
ELEVATION REAR



ELEVATION FRONT

- COMPONENTS
1. INLET (LxH): 67 x 66
 2. PANEL FILTER
 3. HEAT EXCHANGER W/ O.A. BYPASS
 4. HOT WATER COIL
 5. FAN
 6. OUTLET (LxH): 30 x 58
 7. INLET (LxH): 30 x 58 PANEL
 8. FILTER
 9. FAN
 10. OUTLET (LxH): 69 1/2 x 69
 11. CONTROL PANEL
- UNIT WEIGHT 12,000 LBS

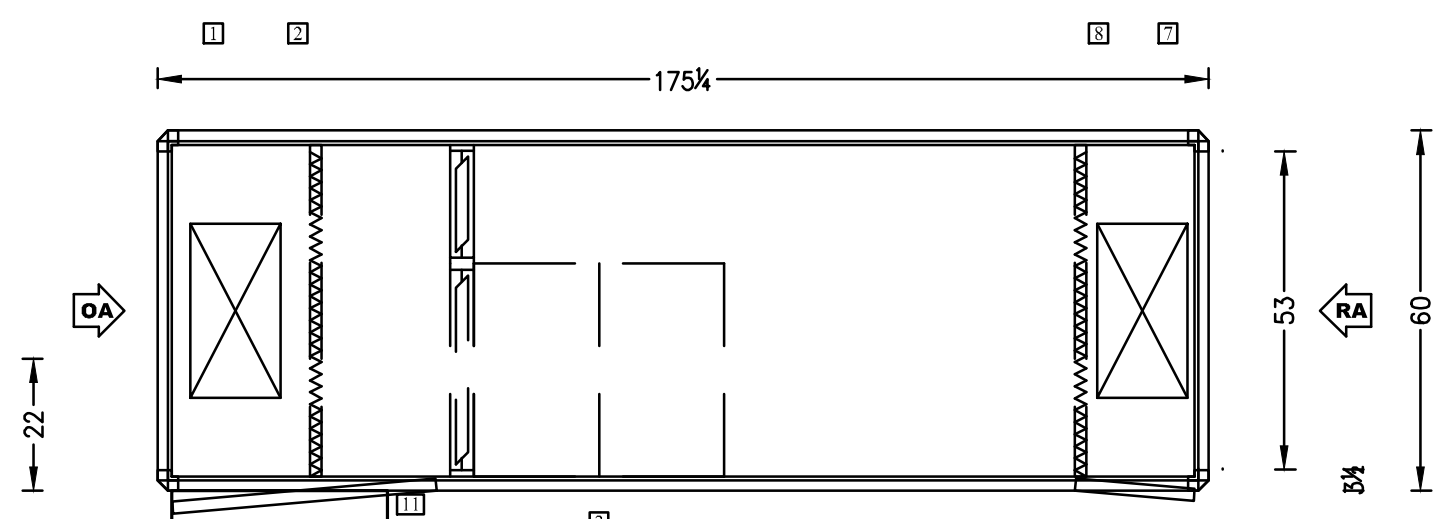
1 HV-8
M5.06 NOT TO SCALE



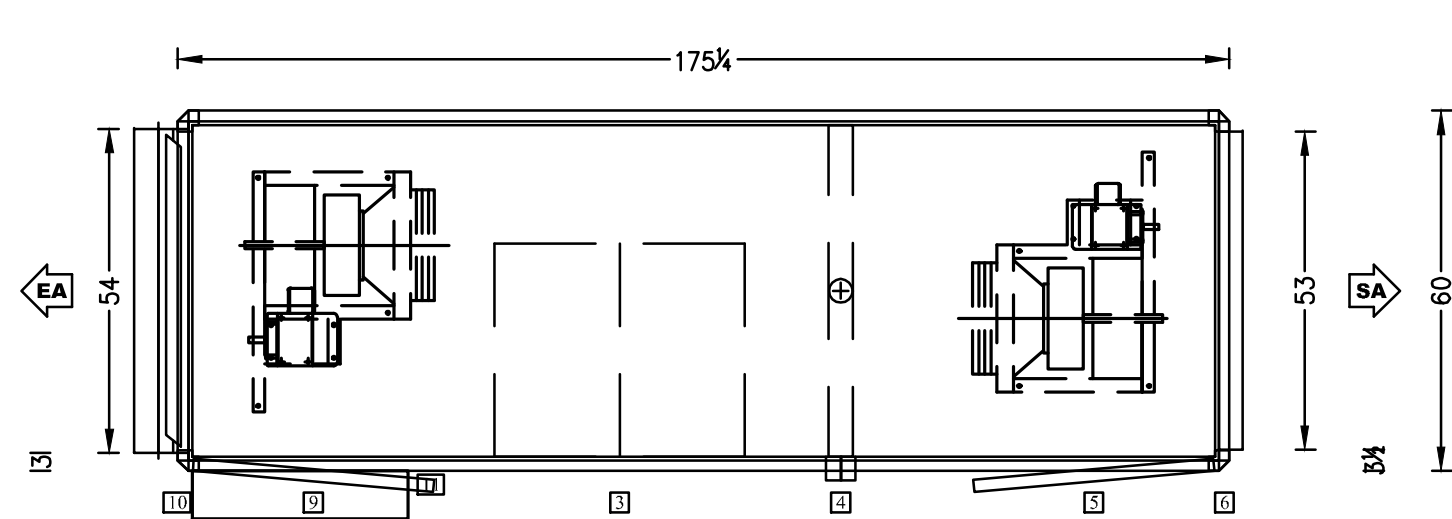
ELEVATION VIEW

- COMPONENTS
1. INLET (LxH): 16 x 31
 2. PANEL FILTER
 3. HEAT EXCHANGER W/ O.A. BYPASS
 4. HOT WATER COIL
 5. FAN
 6. OUTLET (LxH): 53 x 31
 7. INLET (LxH): 53 x 31
 8. PANEL FILTER
 9. FAN
 10. OUTLET (LxH): 54 x 33
 11. CONTROL PANEL
- UNIT WEIGHT 4,000 LBS

UNIT WEIGHT 4,000 LBS



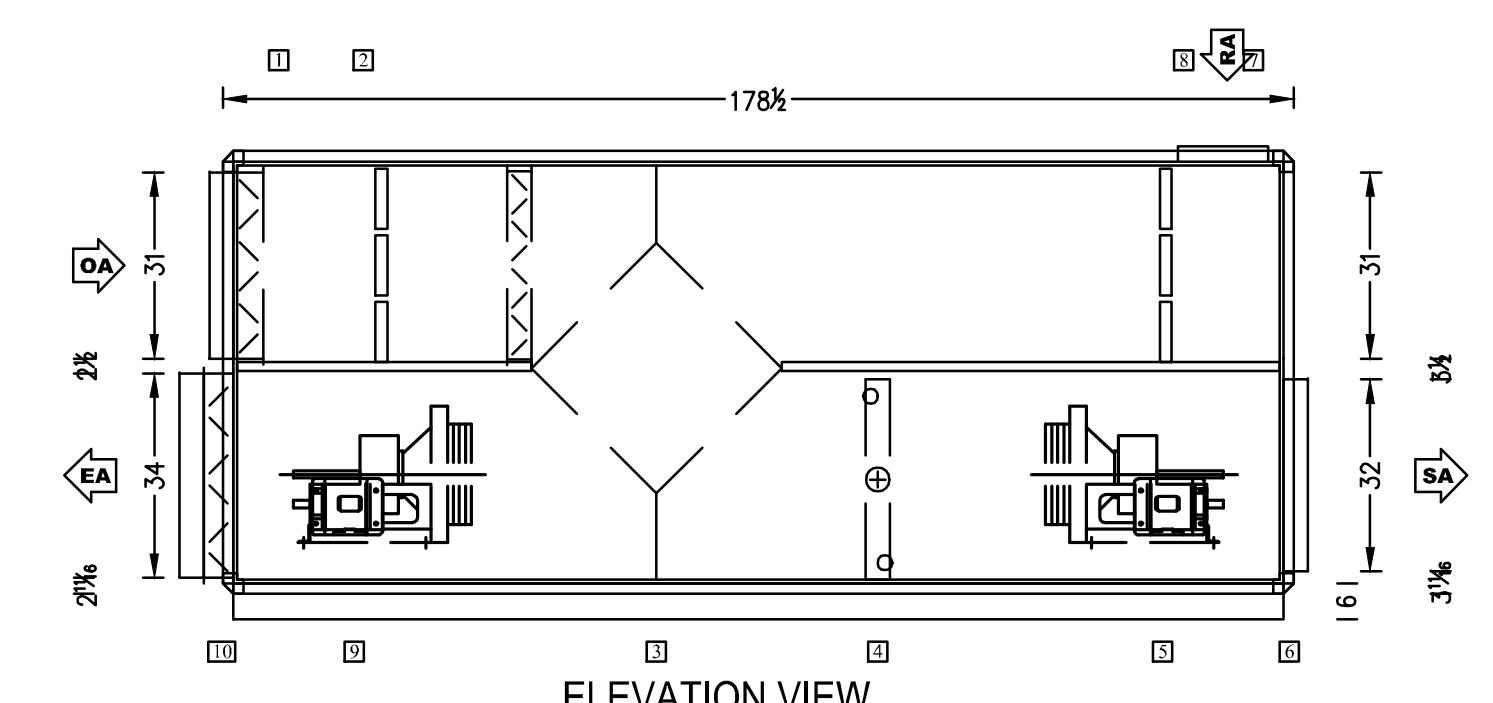
PLAN UPPER DECK



PLAN LOWER DECK

3 HRU-1
M5.06 NOT TO SCALE

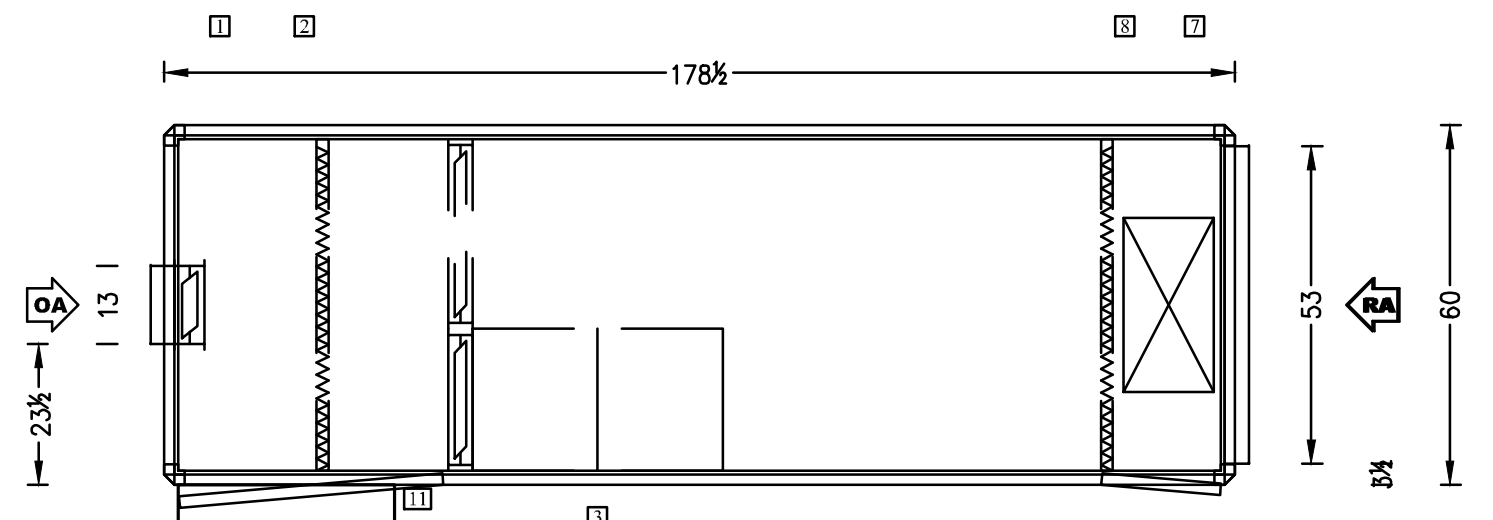
2 RTU-1
M5.06 NOT TO SCALE



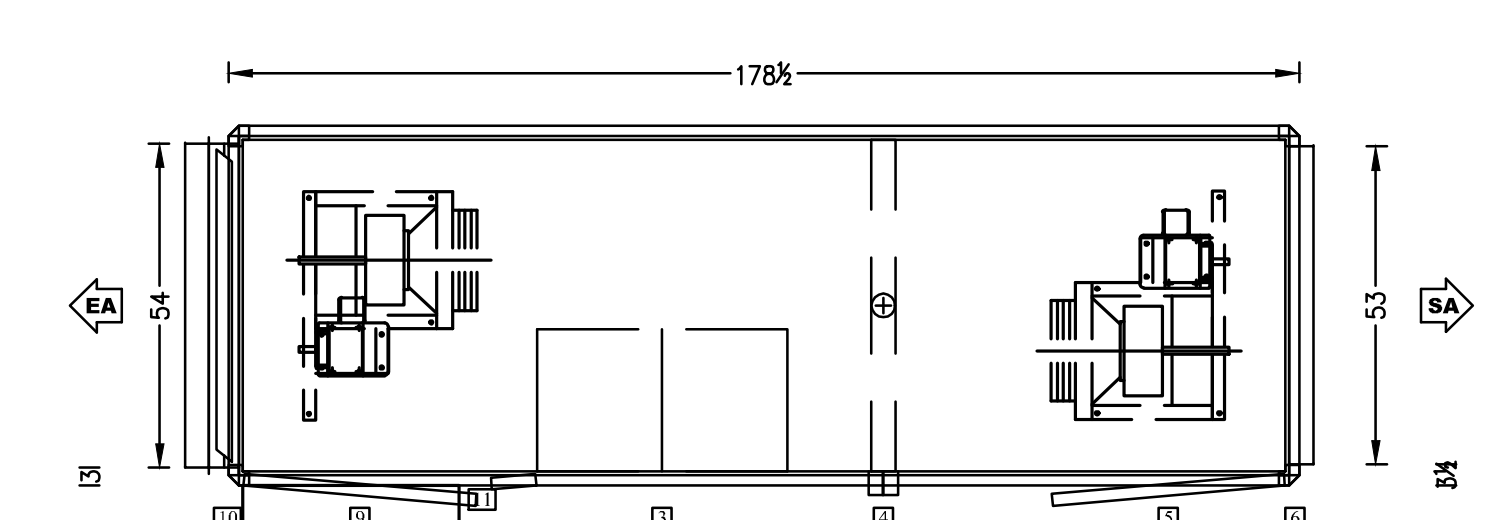
ELEVATION VIEW

- COMPONENTS
1. INLET (LxH): 13 x 31
 2. PANEL FILTER
 3. HEAT EXCHANGER W/ O.A. BYPASS
 4. HOT WATER COIL
 5. FAN
 6. OUTLET (LxH): 53 x 32
 7. INLET (LxH): 53 x 31
 8. PANEL FILTER
 9. FAN
 10. OUTLET (LxH): 54 x 34
 11. CONTROL PANEL
- UNIT WEIGHT 3,900 LBS

UNIT WEIGHT 3,900 LBS



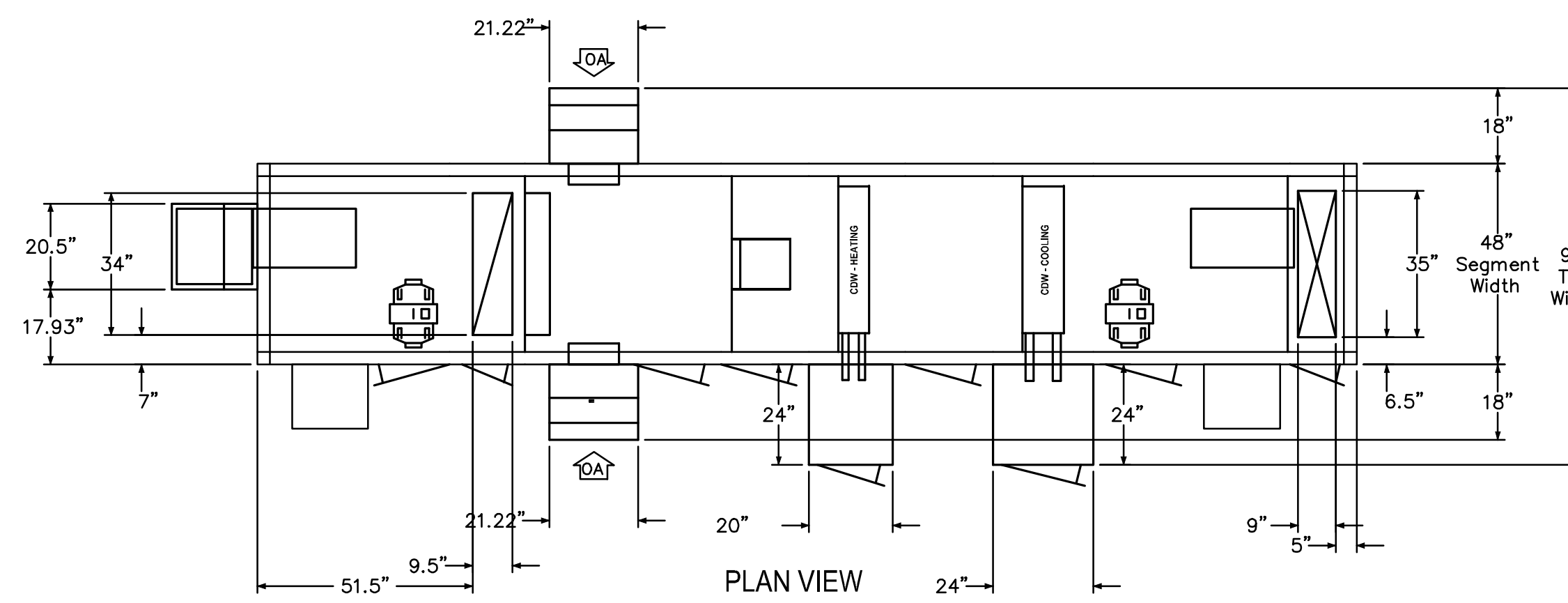
PLAN UPPER DECK



PLAN LOWER DECK

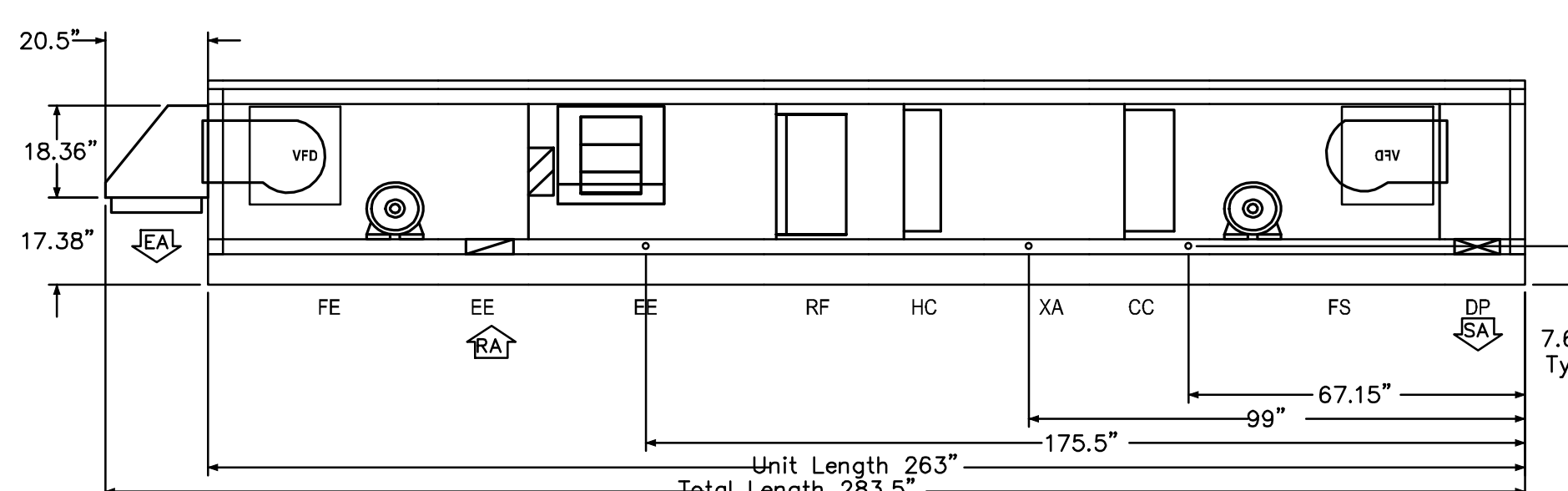
REFER TO M8.02 MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION

4 HRU-2
M5.06 NOT TO SCALE

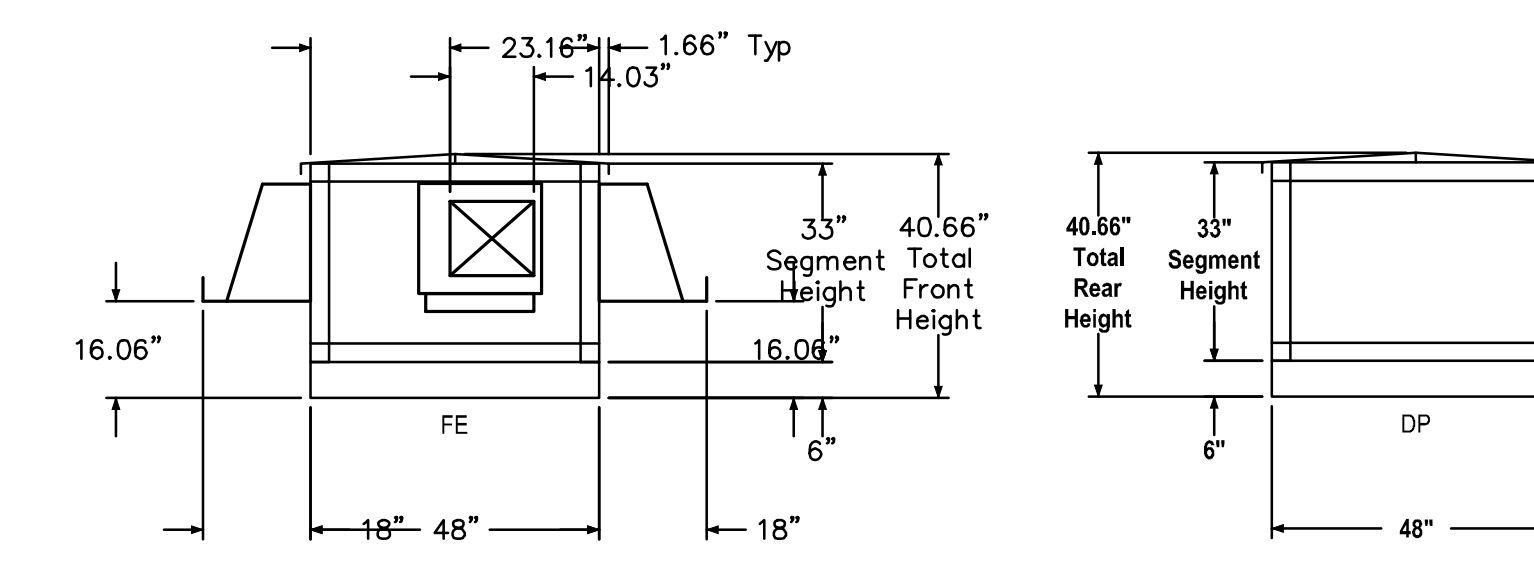


PLAN VIEW TIER 1

- DP (15) Discharge Plenum
 FS (50) Supply Fan - 7-7 DWDI - 5.00 HP
 CC (27) Cooling Coil
 XA (21) Variable Length Access
 HC (23) Heating Coil
 RF (21) High Efficiency Filter
 EE (45) Economizer
 EE (18) Economizer
 FE (49) Exhaust Fan - 7-7 DWDI - 3.00 HP



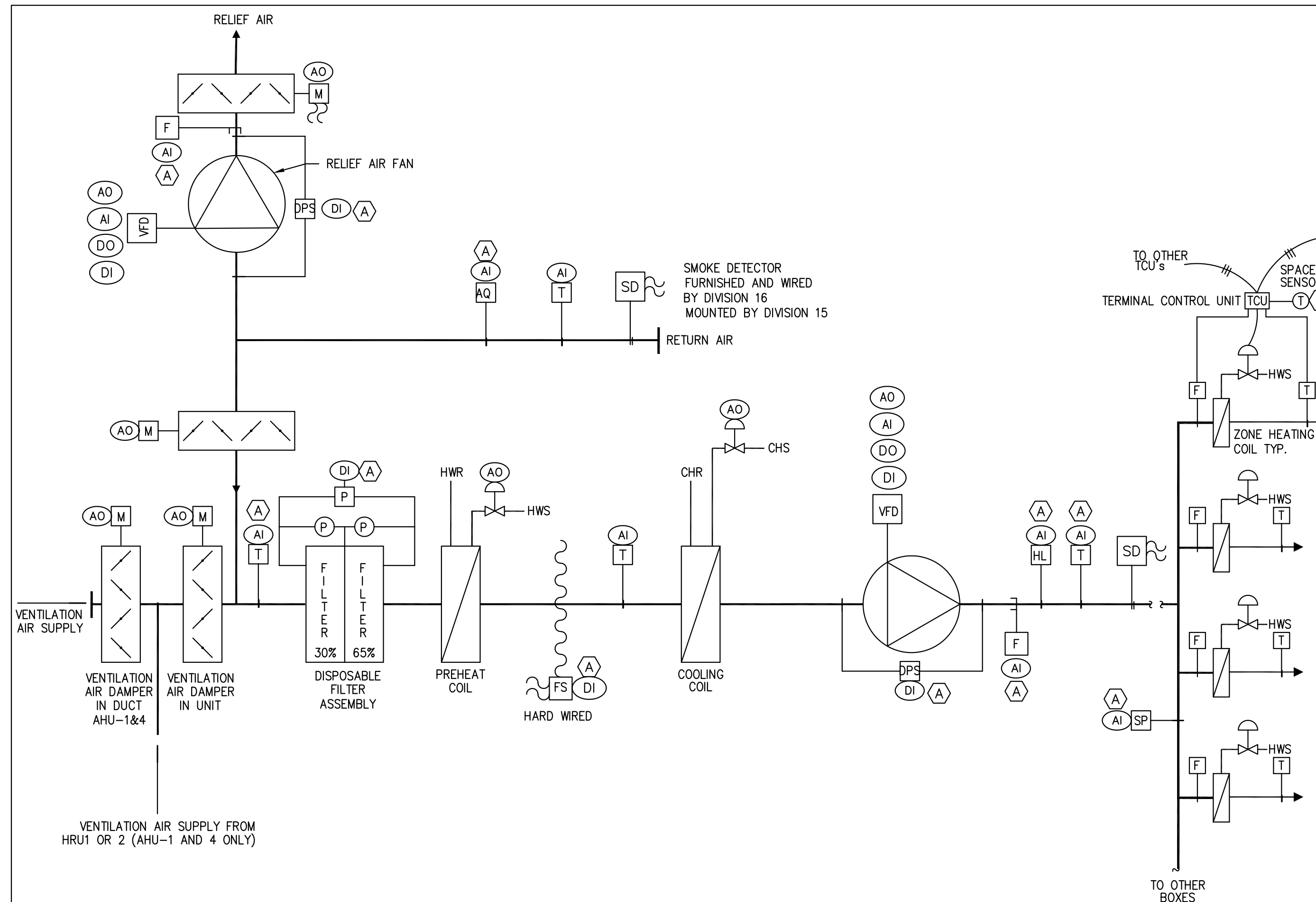
ELEVATION VIEW



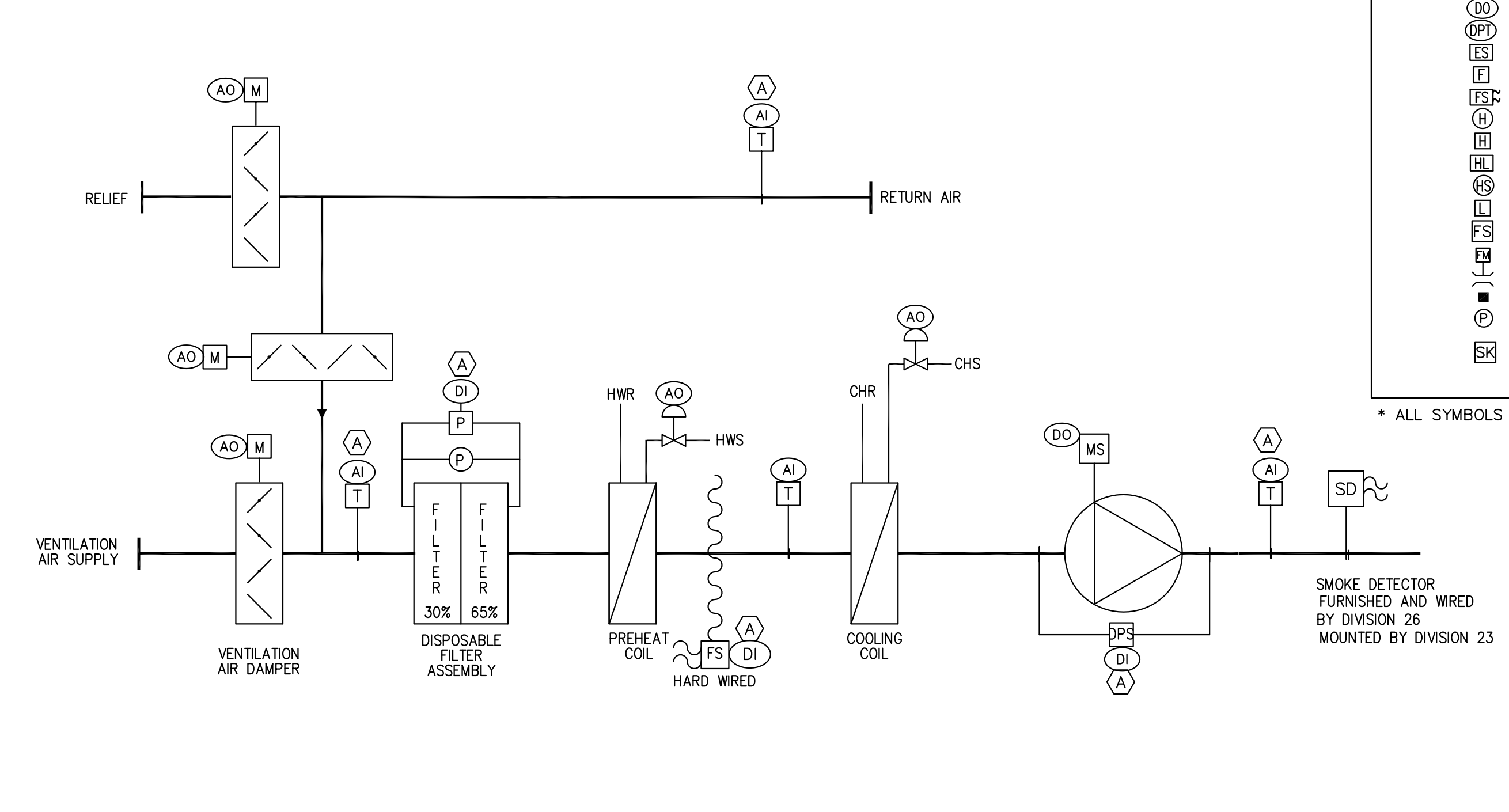
FRONT (INLET) END VIEW

REAR (OUTLET) END VIEW

Drawing Title AIR HANDLING UNITS DETAILS MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Mark	REVISIONS	Project H.C. Wilcox Technical High School Meriden, CT	Scale NONE
		Approved By CFR	Drawn By WJF
		Project No. BI-RT-843	Approved By CFR
		CAD No. 0532 M-AHU DETAILS.DWG	Drawing No. M5.06



2 VARIABLE VOLUME AHU (AHU-1, 4, 6A, 6B, 7, 8, 9, & 10)
M6.01 SCALE: NONE

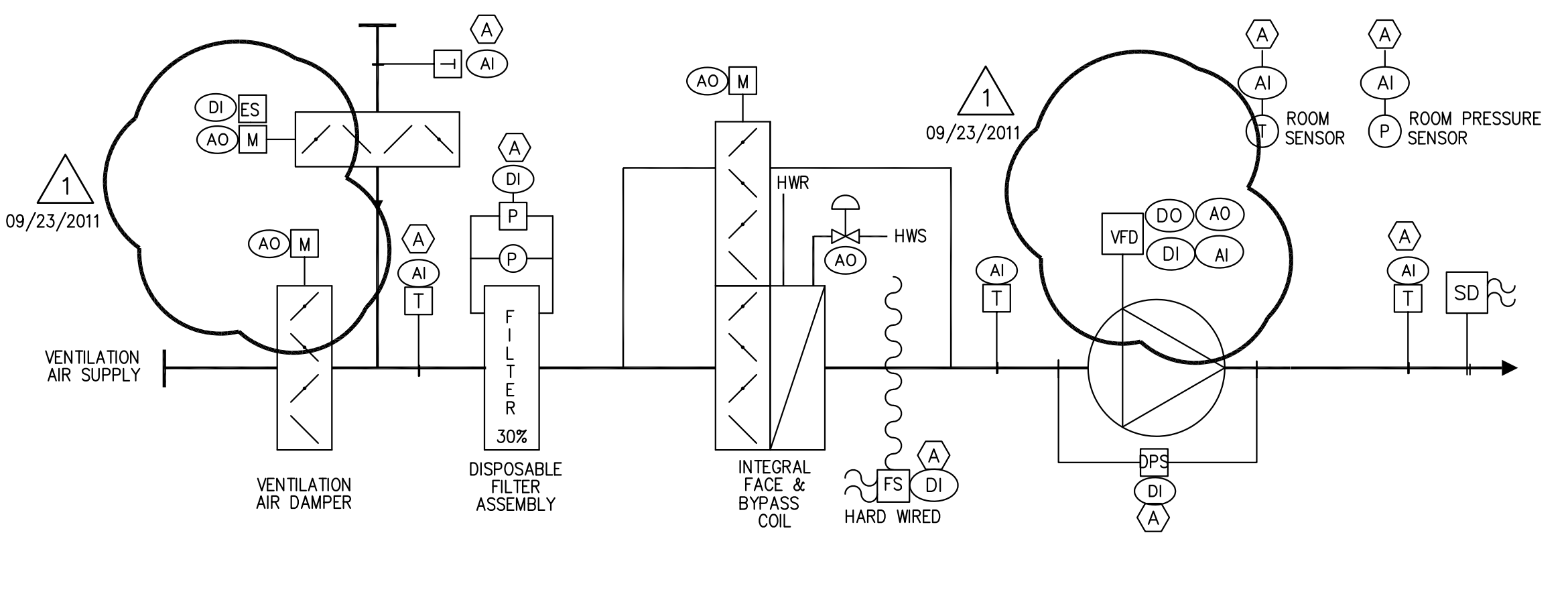


1 CONSTANT VOLUME AHU (AHU-2)
M6.01 SCALE: NONE

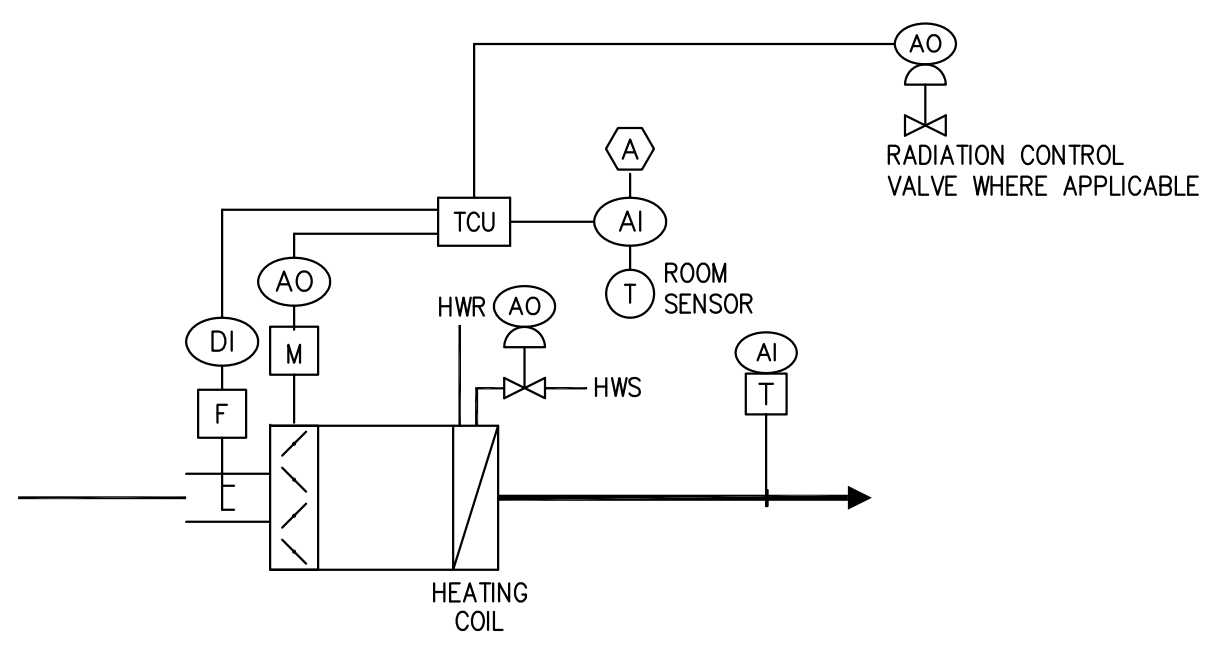
MECHANICAL CONTROLS SYMBOL LIST

(A)	ALARM	(M)	DAMPER/VALVE MOTOR
(AI)	DDC ANALOG INPUT POINT	(MS)	MOTOR STARTER
(AO)	DDC ANALOG OUTPUT POINT	(ND)	NITROGEN DIOXIDE SENSOR
(AOI)	AIR QUALITY SENSOR	(OC)	OCCUPANCY SENSOR
(BS)	CHILLER/BOILER EMERGENCY SHUT OFF	(DP)	DIFFERENTIAL PRESSURE SENSOR
(CS)	CARBON MONOXIDE SENSOR	(SD)	SMOKE DETECTOR
(C)	CURRENT SENSOR	(F16)	FURNISHED AND WIRED BY DIVISION 16 CONTRACTOR AND MOUNTED BY DIVISION 15 CONTRACTOR
(DI)	DDC DIGITAL INPUT POINT	(STH)	COOLING TOWER SUMP HEATER
(DO)	DDC DIGITAL OUTPUT POINT	(SP)	STATIC PRESSURE SENSOR
(DPT)	DIFFERENTIAL PRESSURE TRANSMITTER	(TFC)	TEMPERATURE CONTROL PANEL
(E)	END SWITCH	(TCU)	TERMINAL CONTROL UNIT
(ES)	AIR FLOW MEASURING STATION	(T)	ROOM THERMOSTAT
(F)	FREZE STAT	(T)	TEMPERATURE SENSOR
(H)	ROOM HUMIDISTAT	(T)	ROOM TEMPERATURE SENSOR
(HL)	HUMIDITY SENSOR	(VFD)	VARIABLE FREQUENCY CONTROLLER
(HLS)	PRESSURE HIGH LIMIT SWITCH	(VSP)	VARIABLE SPEED FAN SWITCH
(H)	ROOM HUMIDITY SENSOR	(ES)	MAGNETIC PRESSURE GAUGE
(L)	LEVEL SENSOR	(F)	DIFFERENTIAL PRESSURE SWITCH
(FS)	FLOW SWITCH	(F)	AIRFLOW STATION
(I)	INSERTION TYPE FLOW METER	(L)	INDICATING ALARM LIGHT
(M)	MOTOR CONTROLLER		
(P)	MAGNETIC FILTER GAUGE		
(SK)	SPARK ARRESTOR		

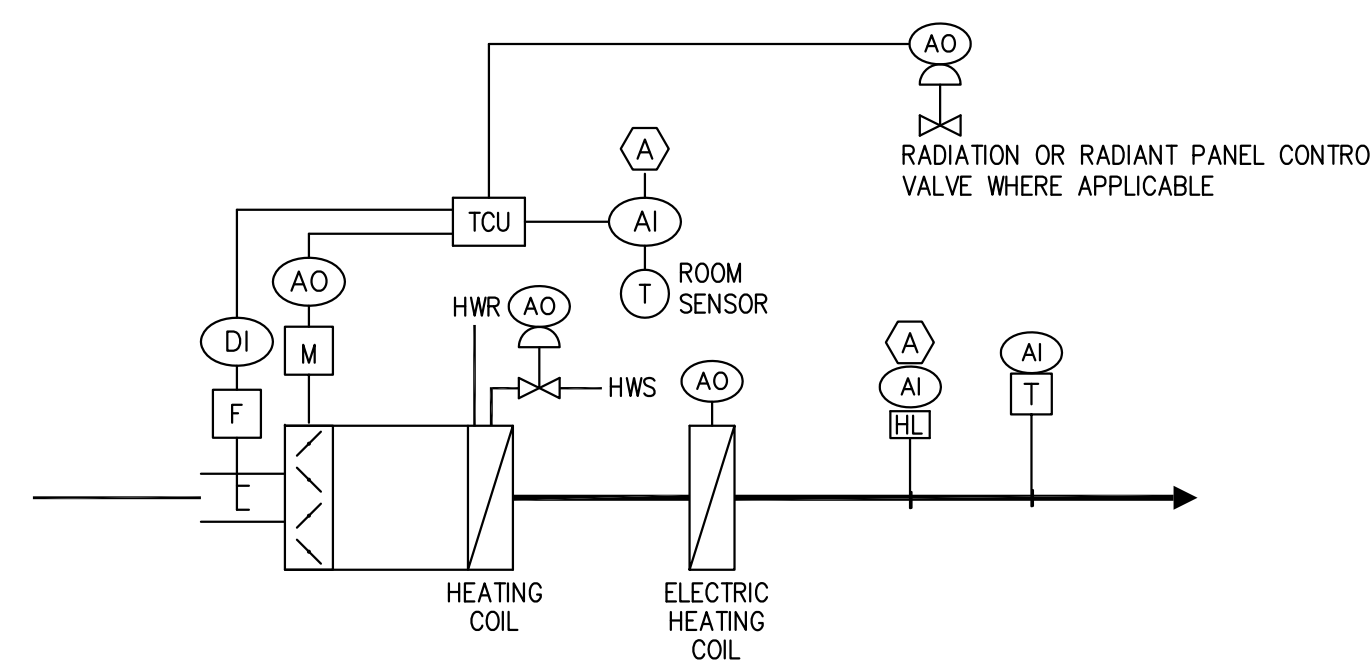
* ALL SYMBOLS MAY NOT BE USED IN THESE DOCUMENTS.



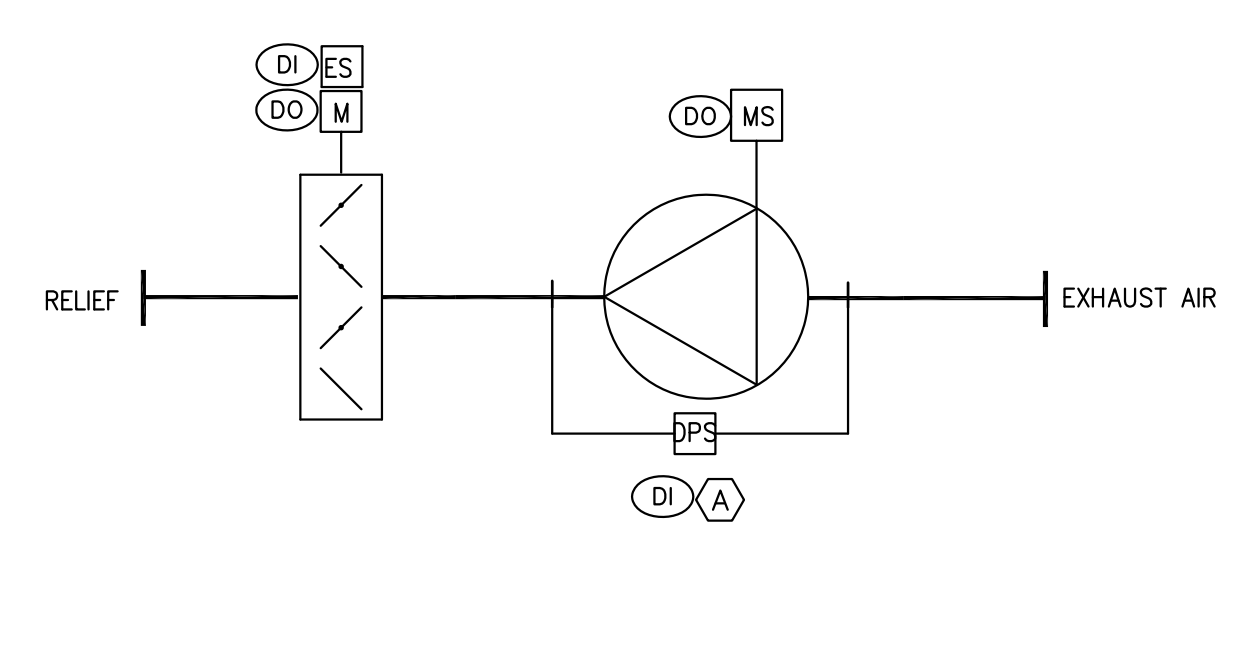
6 SHOP 100% O.A. HEATING & VENTILATING UNIT (HV-1, 2, 3, 4, 5)
M6.01 SCALE: NONE



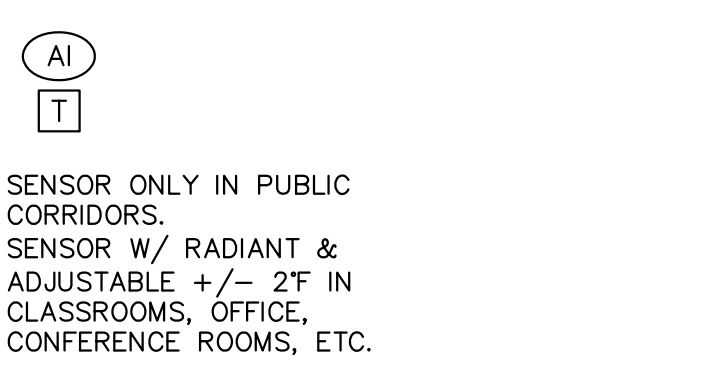
5 VAV BOX W/HOT WATER COIL
M6.01 SCALE: NONE



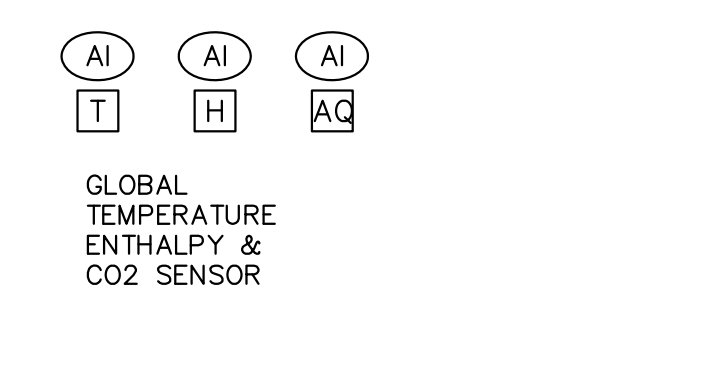
4 VAV BOX W/HOT WATER COIL & DUCT MOUNTED ELECTRIC HEATING COIL (SCIENCE LABS)
M6.01 SCALE: NONE



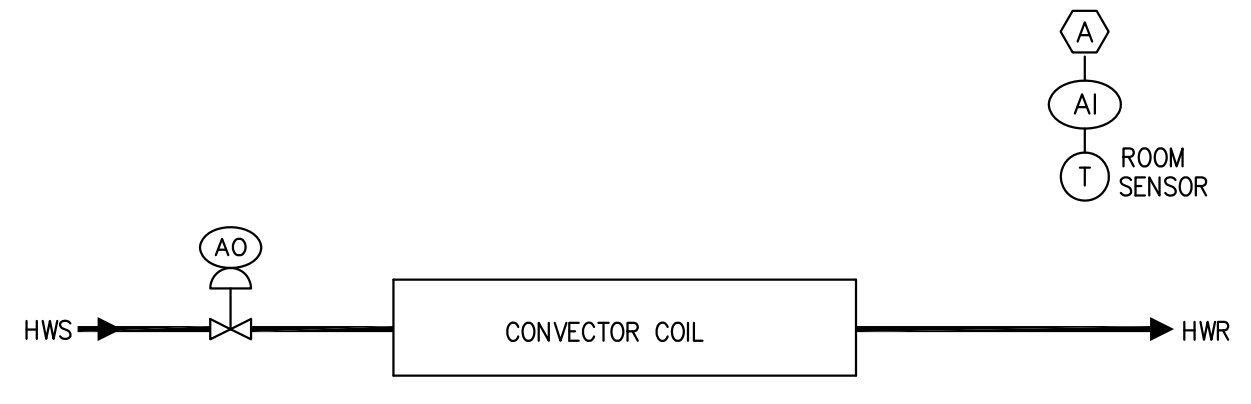
3 SHOP EXHAUST FANS
M6.01 SCALE: NONE



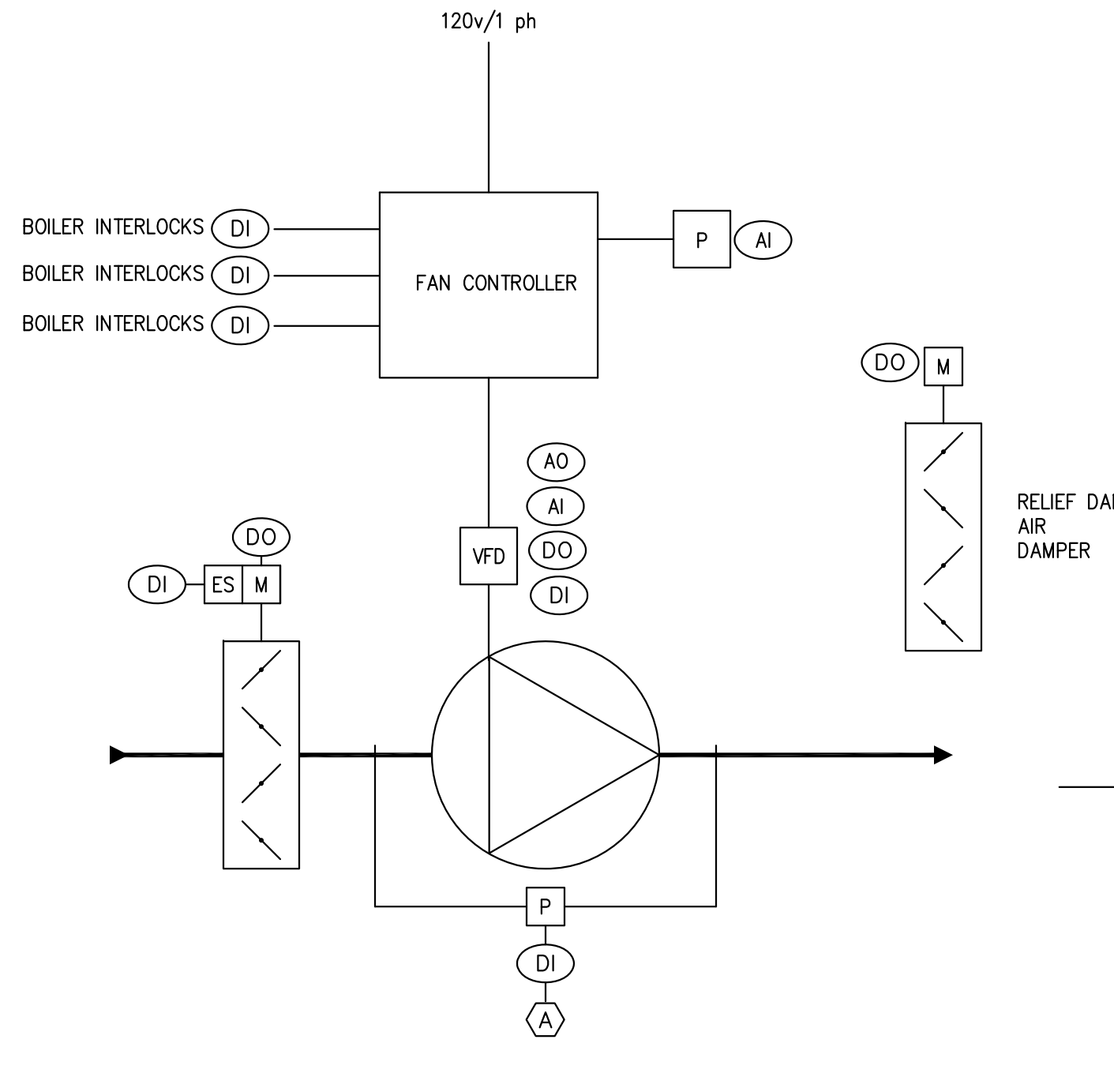
12 TEMPERATURE SENSORS
M6.01 SCALE: NONE



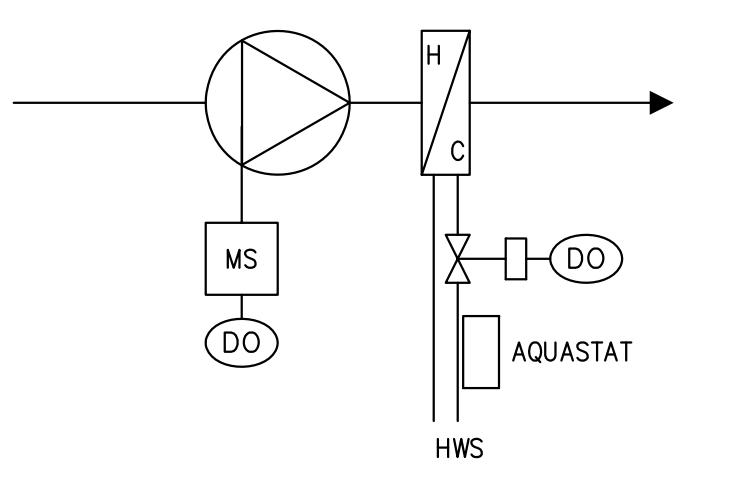
11 GLOBAL SENSORS
M6.01 SCALE: NONE



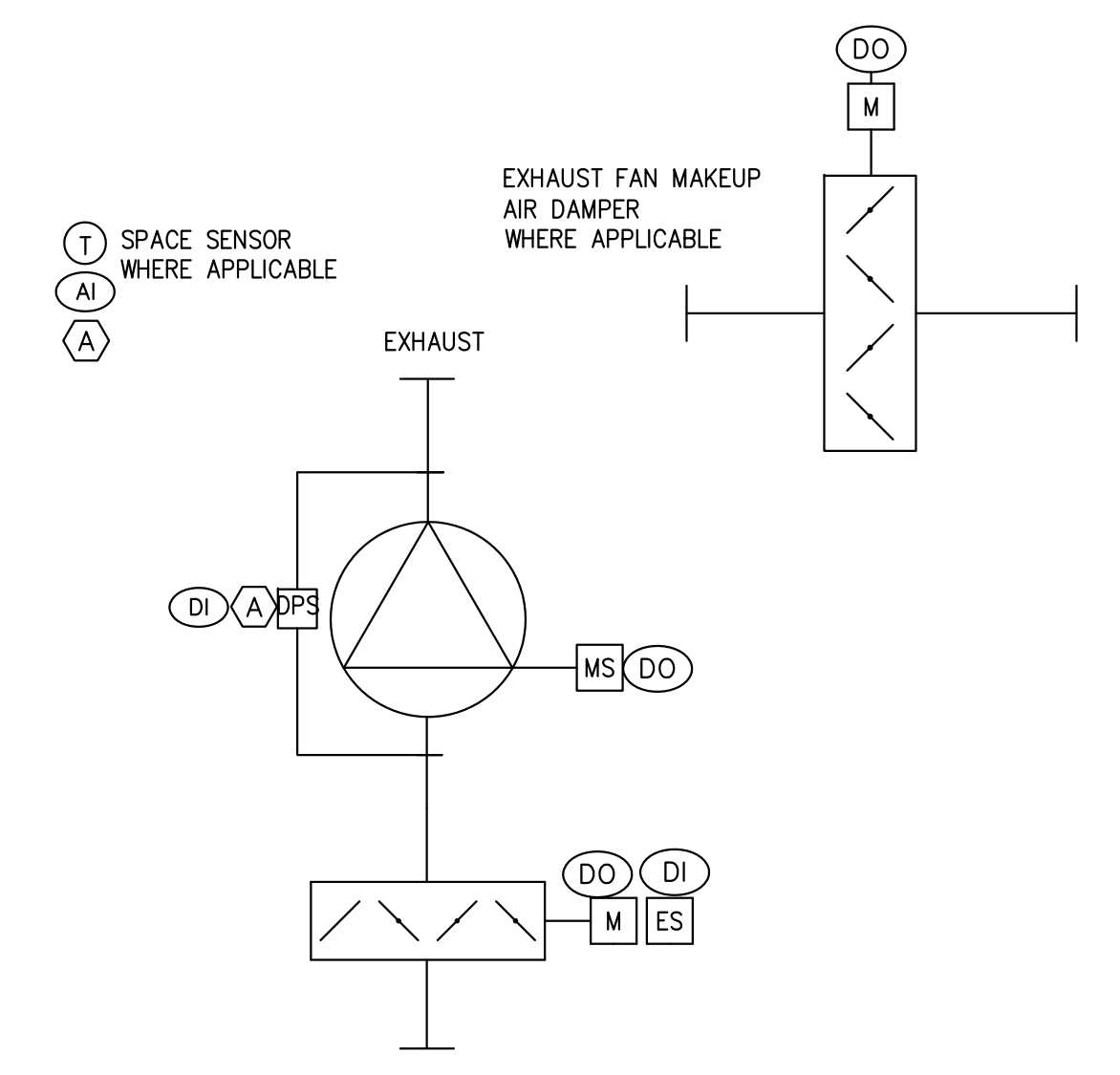
10 CONVECTOR
M6.01 SCALE: NONE



9 BOILER COMBUSTION AIR (SAF-1)
M6.01 SCALE: NONE

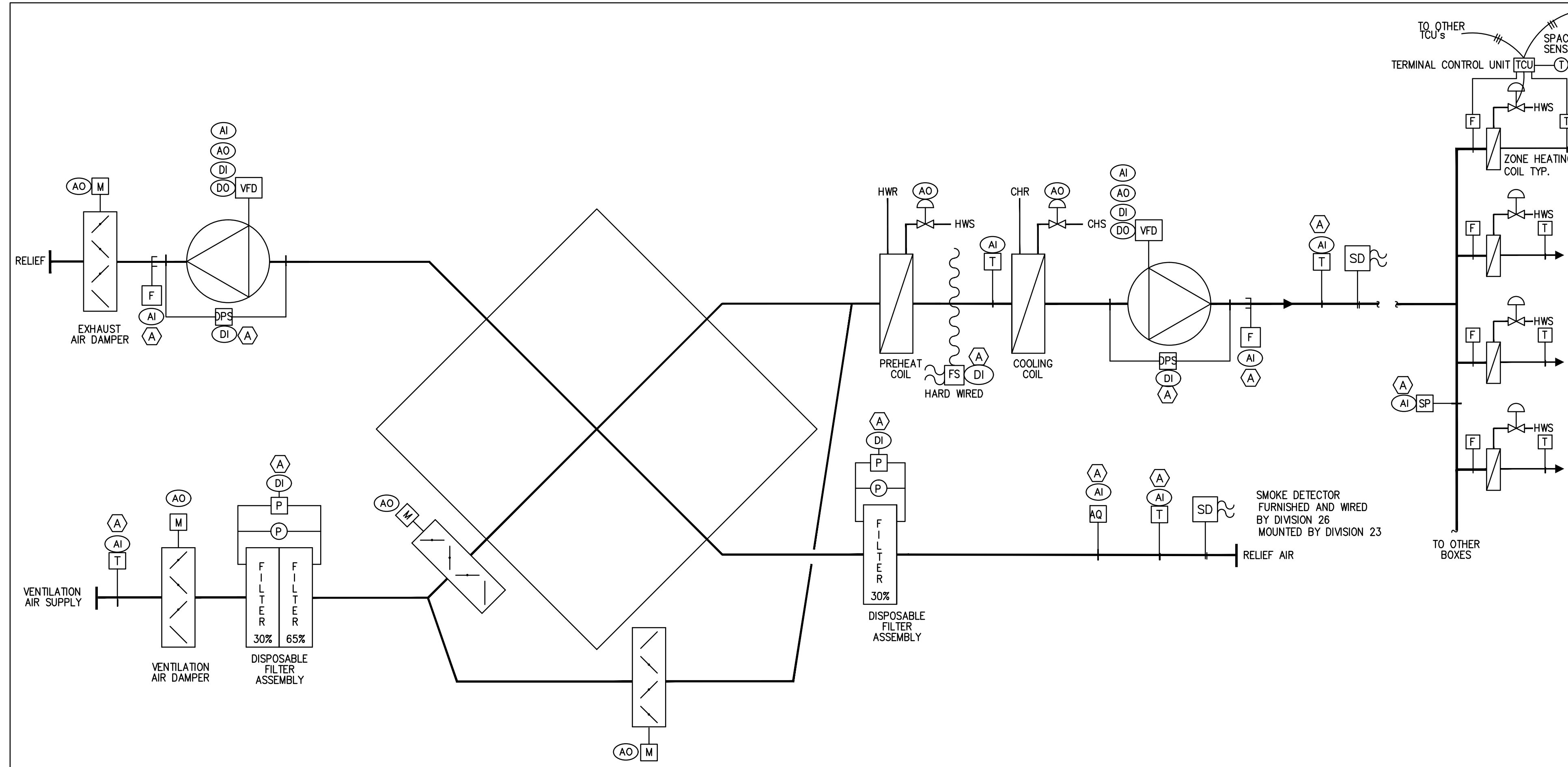


8 CABINET/UNIT HEATERS
M6.01 SCALE: NONE

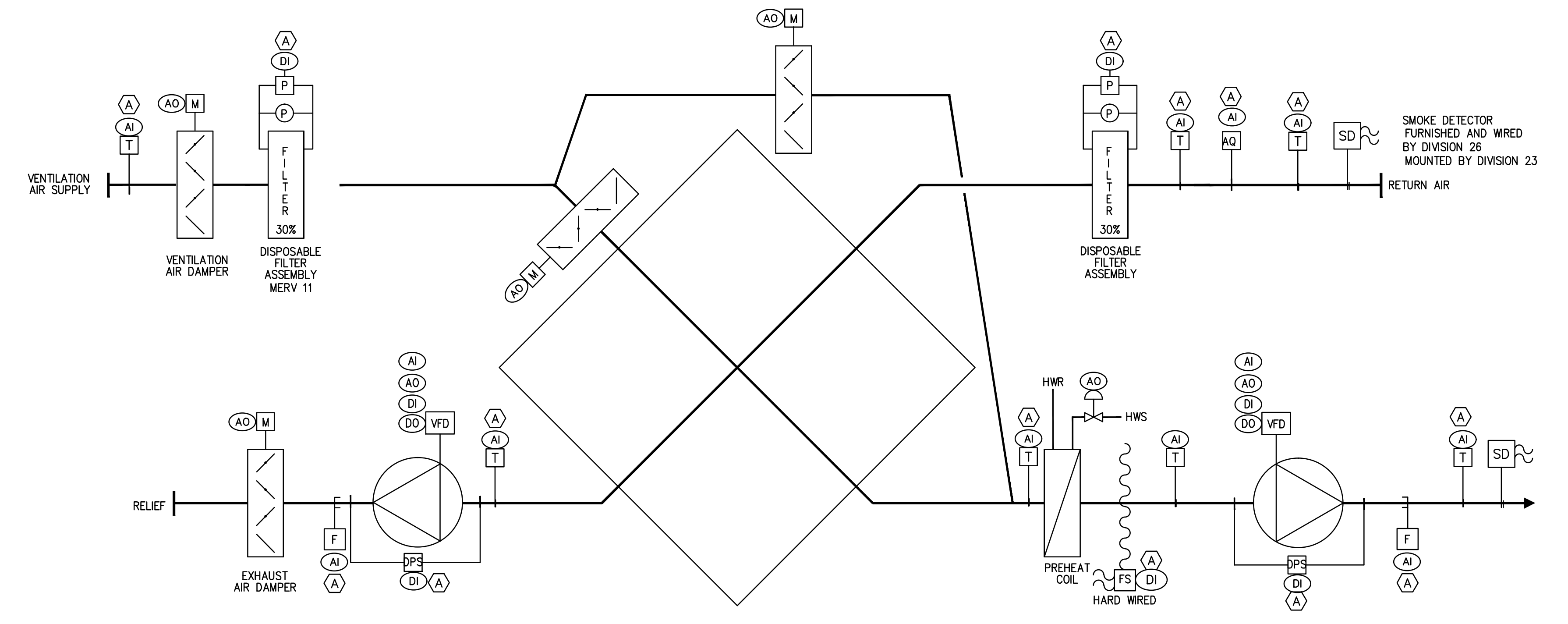


7 EXHAUST FAN GENERAL
M6.01 SCALE: NONE

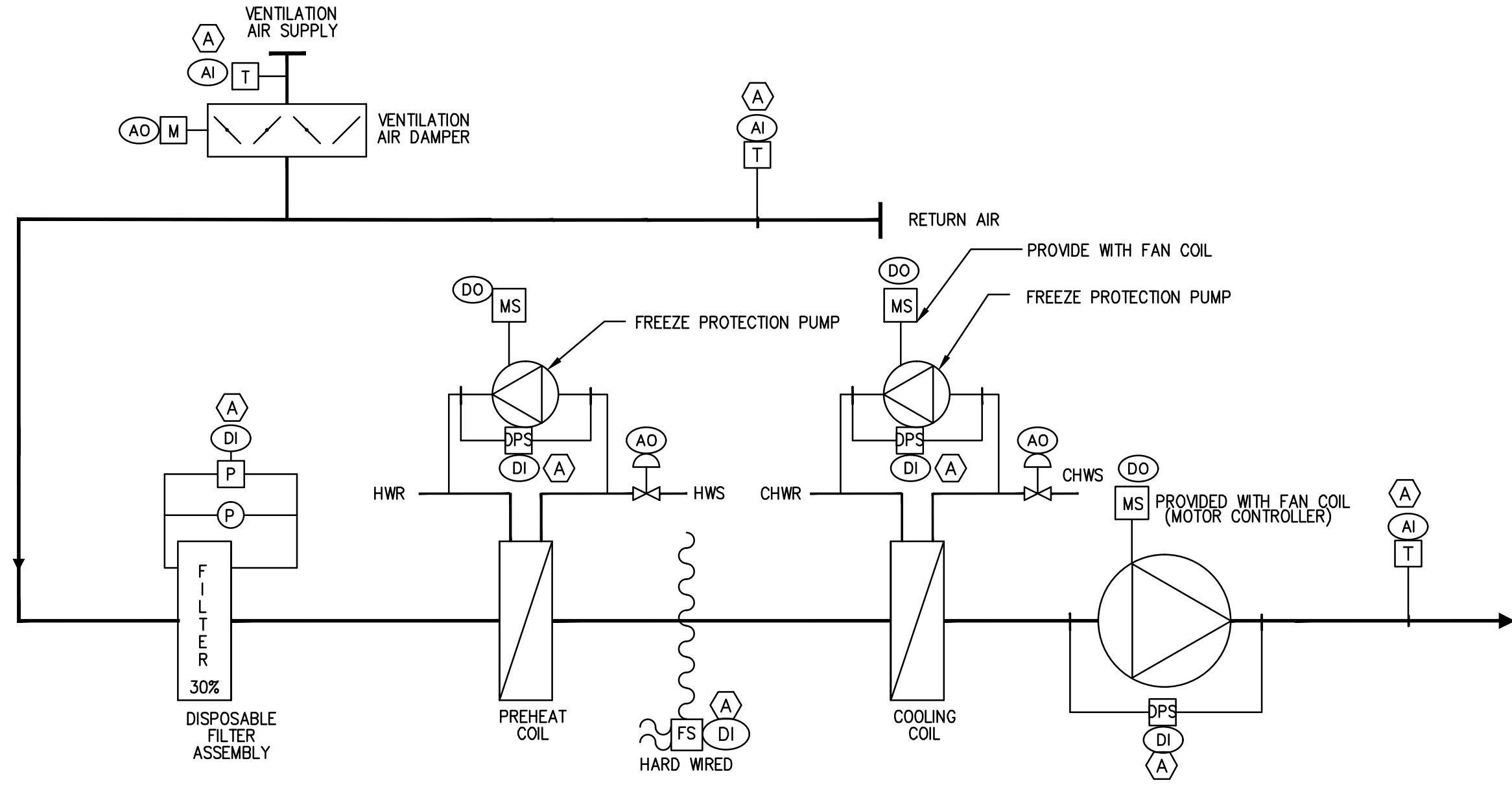
Drawing Title FLOW & CONTROL DIAGRAMS MECHANICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NTS
Mark	REVISOR	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No. M6.01
CAD No. 0532 M-FLOW & CONTROL.DWG		Project No. B-RT-843	



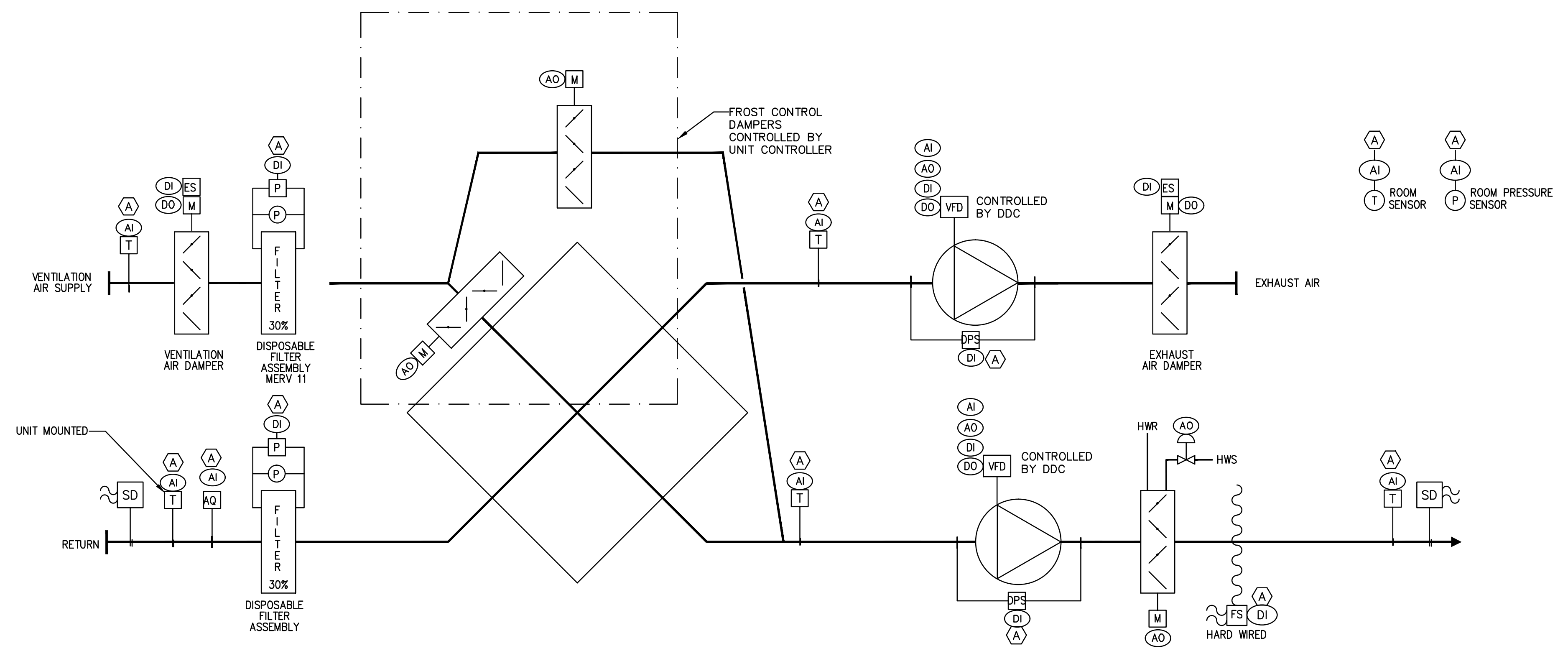
1 VARIABLE CONSTANT VOLUME AHU WITH HEAT RECOVERY HEAT EXCHANGER (AHU-3, 5)
M6.02 SCALE: NONE



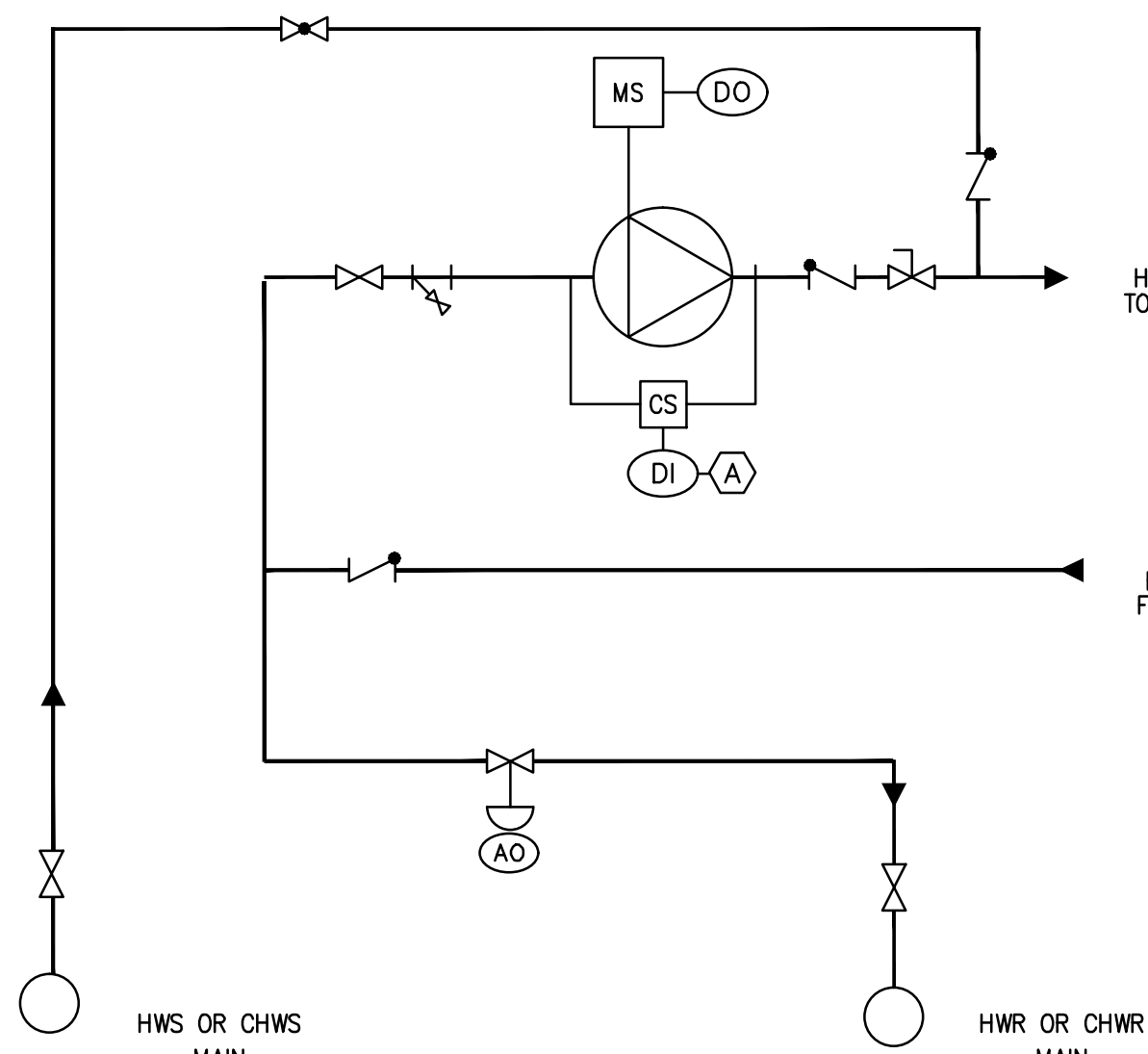
2 VARIABLE CONSTANT VOLUME AHU WITH AIR TO AIR HEAT RECOVERY HEAT EXCHANGER (HRU-1, 2)
M6.02 SCALE: NONE



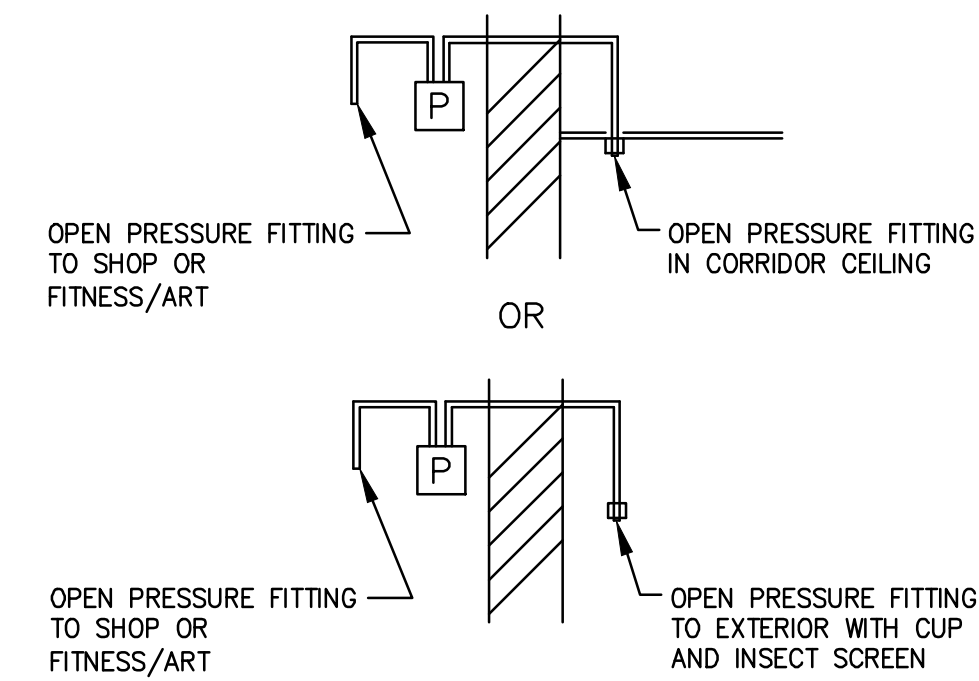
4 CONSTANT VOLUME FCU (FCU-8)
M6.02 SCALE: NONE



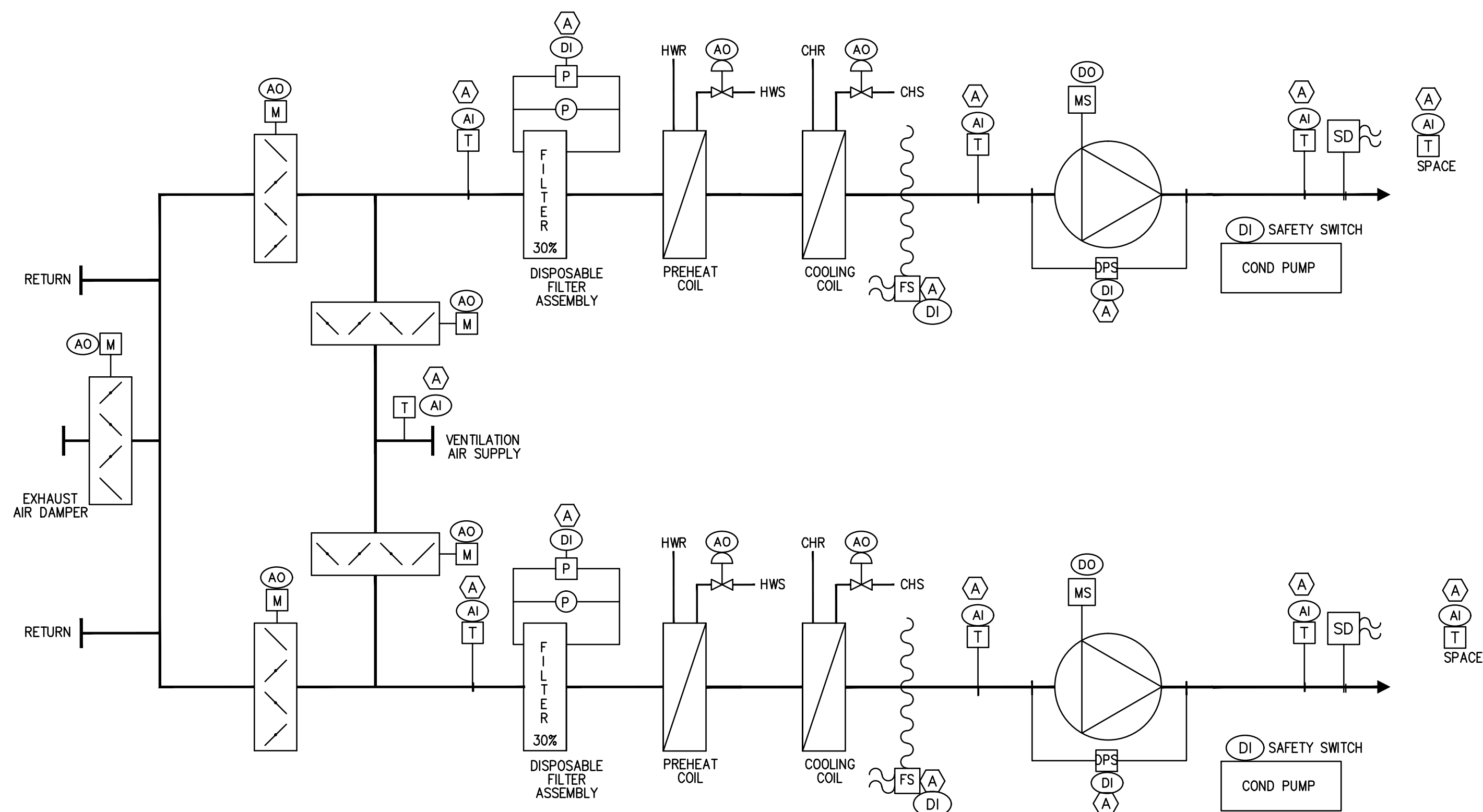
5 VARIABLE CONSTANT VOLUME AHU WITH HEAT RECOVERY HEAT EXCHANGER (HV-6A, HV-6B, HV-7A, HV-7B, & HV-8)
M6.02 SCALE: NONE



6 FREEZE PROTECTION PUMP (FCU-8)
M6.02 SCALE: NONE

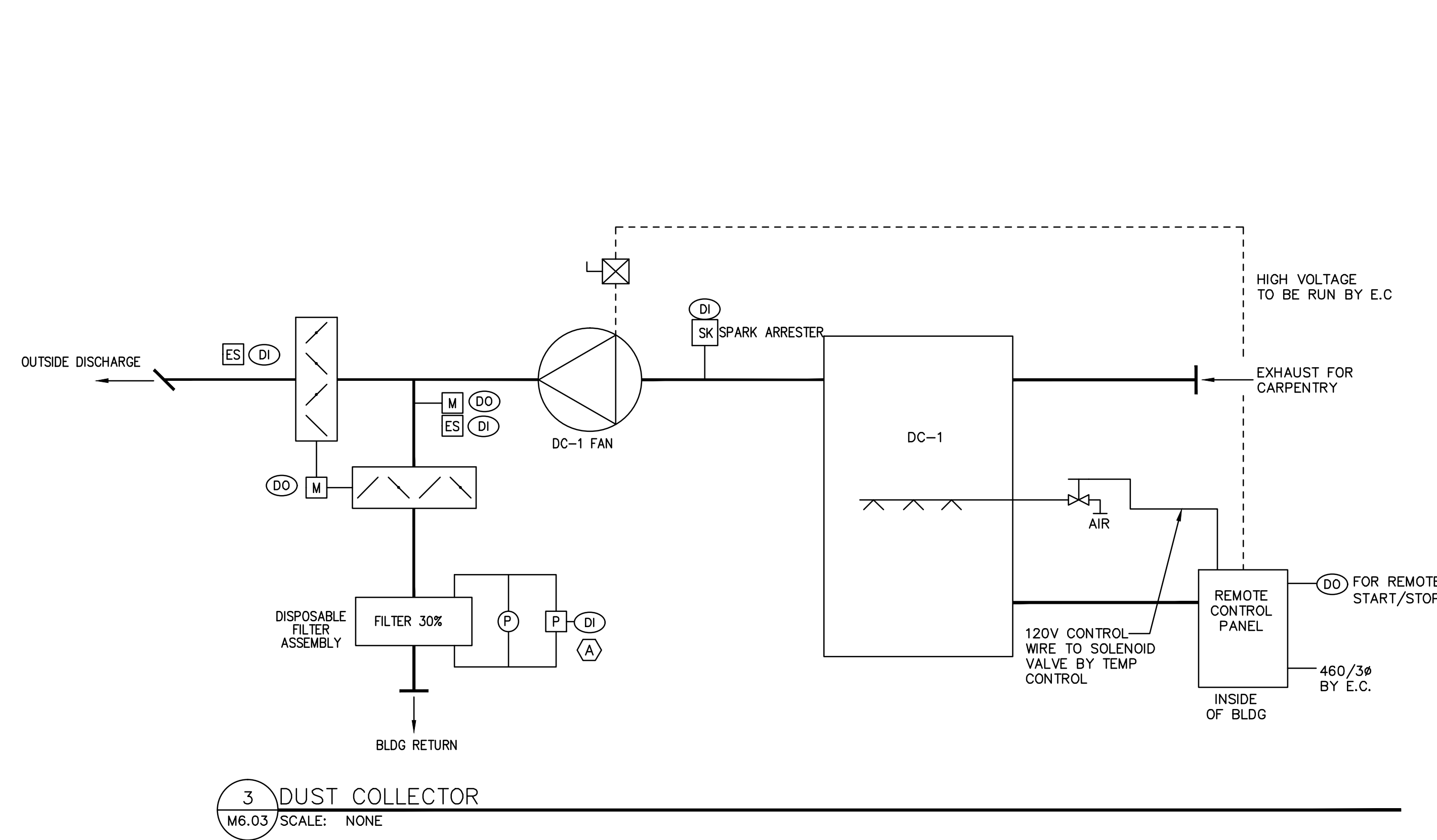


7 DIFFERENTIAL PRESSURE CONTROL
M6.02 SCALE: NONE

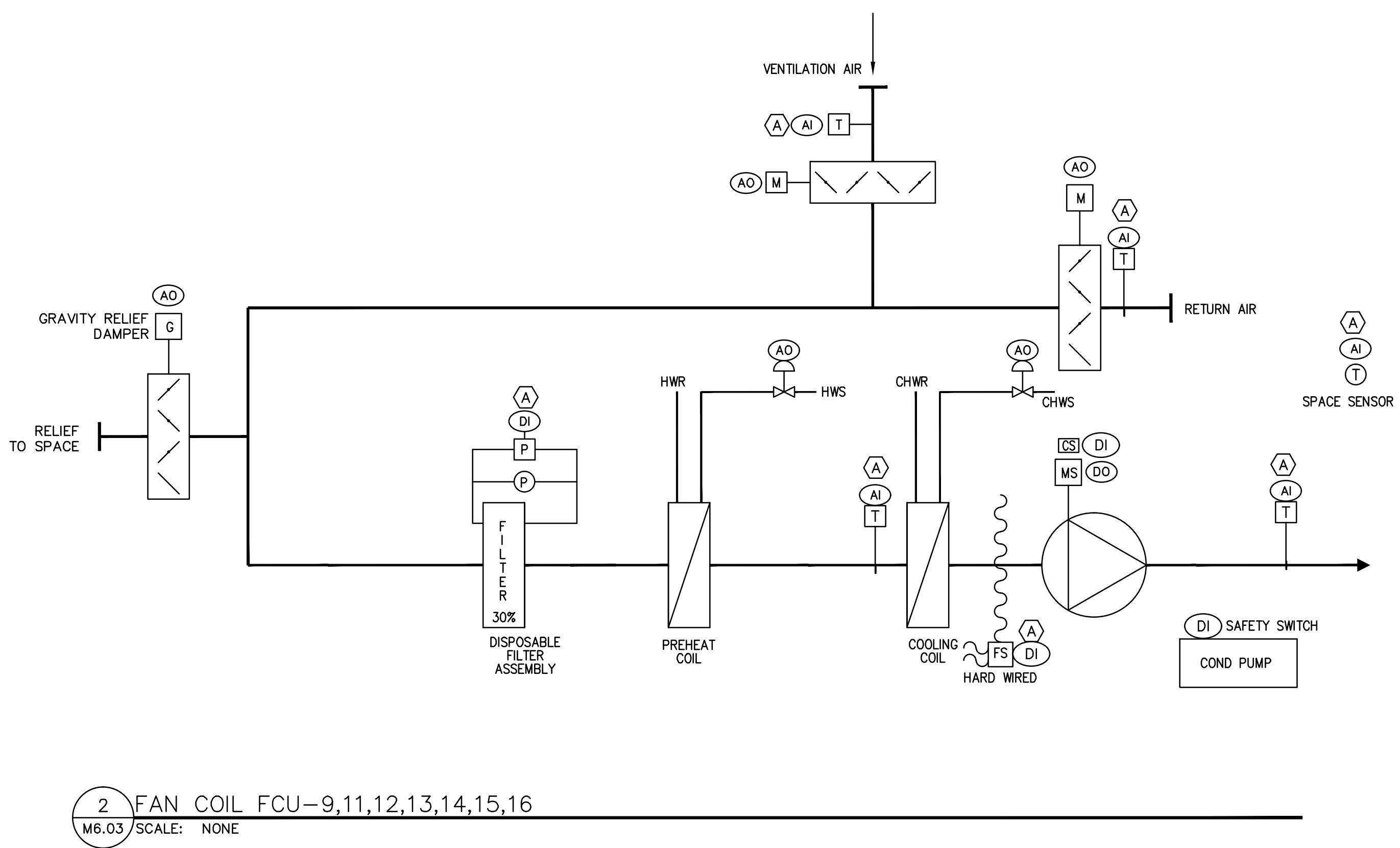


8 CONSTANT VOLUME FCU (ELECTRONICS FCU-10)
M6.02 SCALE: NONE

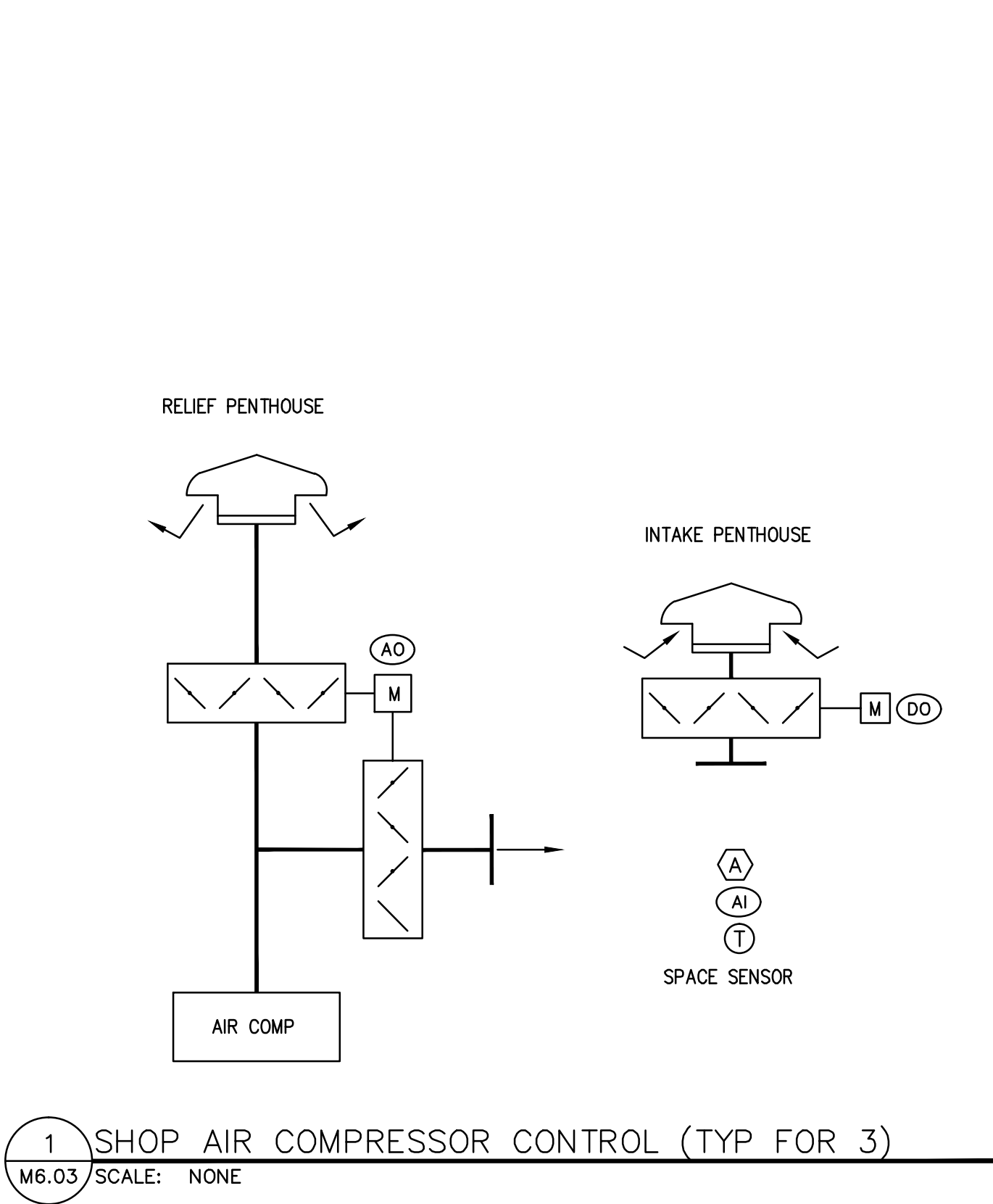
Drawing Title		STATE OF CONNECTICUT	
FLOW & CONTROL DIAGRAMS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale NTS
			Drawn By RDV
			Approved By CFR
			Drawing No.
CAD No. 0532 M-FLOW & CONTROL.DWG	Project No. BI-RT-843		M6.02



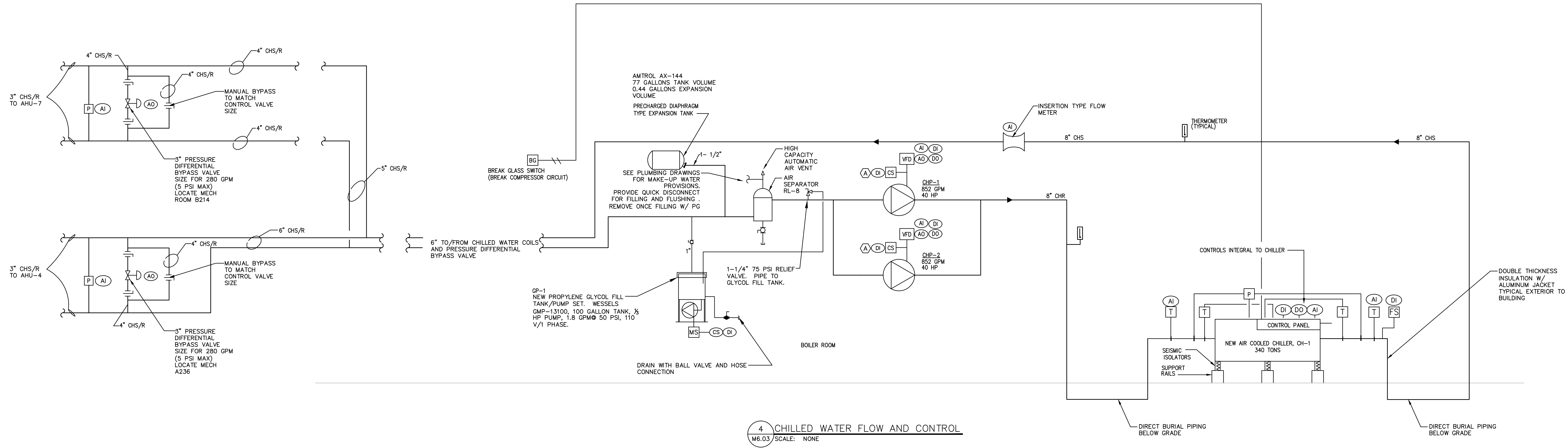
3 DUST COLLECTOR
M6.03 / SCALE: NONE



2 FAN COIL FCU-9,11,12,13,14,15,16
M6.03 / SCALE: NONE

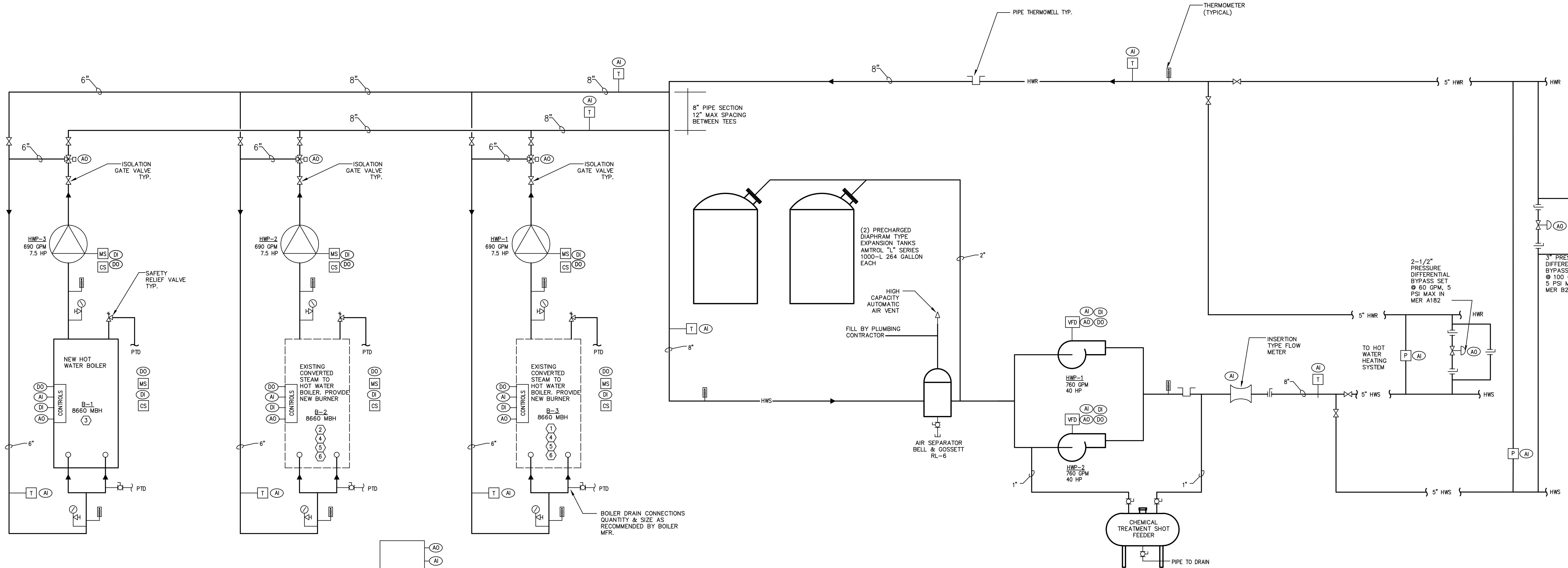


1 SHOP AIR COMPRESSOR CONTROL (TYP FOR 3)
M6.03 / SCALE: NONE



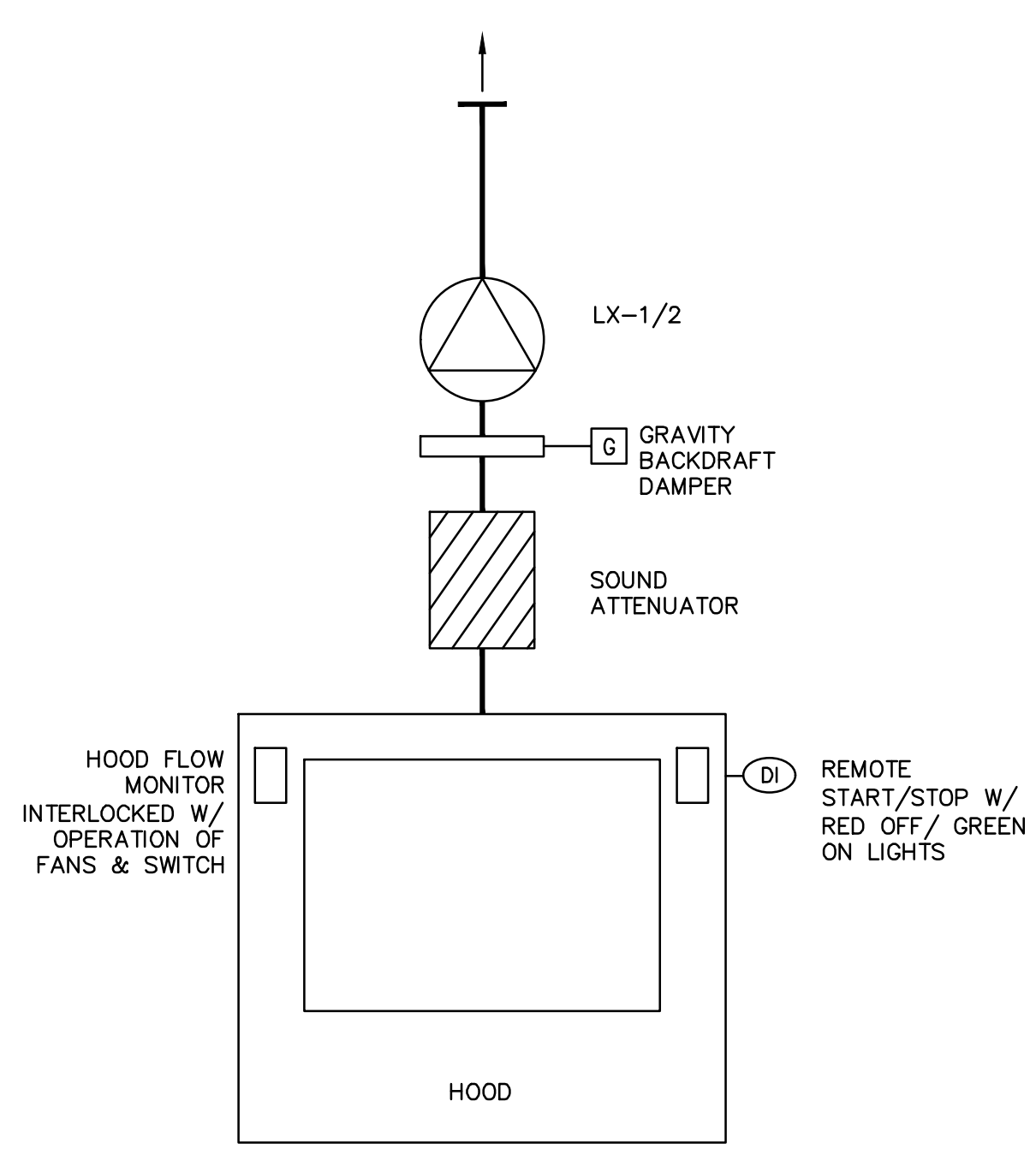
4 CHILLED WATER FLOW AND CONTROL
M6.03 / SCALE: NONE

Drawing Title		STATE OF CONNECTICUT	
FLOW & CONTROL DIAGRAMS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NTS
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No.
CAD No.	0532 M-FLOW & CONTROL.DWG	Project No.	BI-RT-843
			M6.03

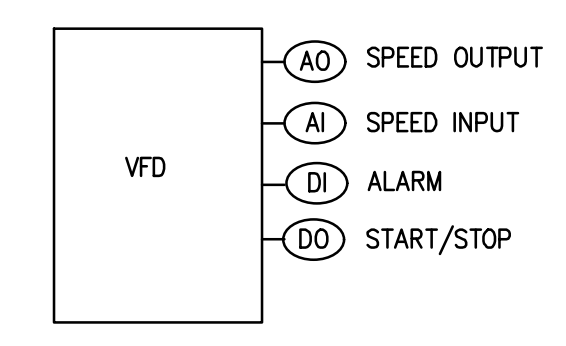


1 HOT WATER SCHEMATIC PIPING DIAGRAM
M6.04 SCALE: NONE

- KEYNOTES:
- 1 MAINTAIN THIS BOILER TO PROVIDE STEAM SERVICE TO PHASE 2 & 3 SPACES UNTIL RENOVATION OF PHASE 3 IS TO TAKE PLACE.
 - 2 CONVERT THIS BOILER TO HOT WATER DURING THE FIRST SUMMER OF PHASE 1 CONSTRUCTION.
 - 3 PHASE 1
 - 4 PROVIDE MANUFACTURES STEAM TO HOT WATER CONVERSION KIT FOR EACH EXISTING BOILER.
 - 5 PROVIDE 6" HOT WATER RETURN FLANGE TO REPLACE EXISTING IN REAR OF BOILER.
 - 6 REPLACE BOILER RELIEF VALVE W/ 40 PSIG. VALVE TO MATCH NEW BOILER. RECONNECT TO EXISTING PIPING.

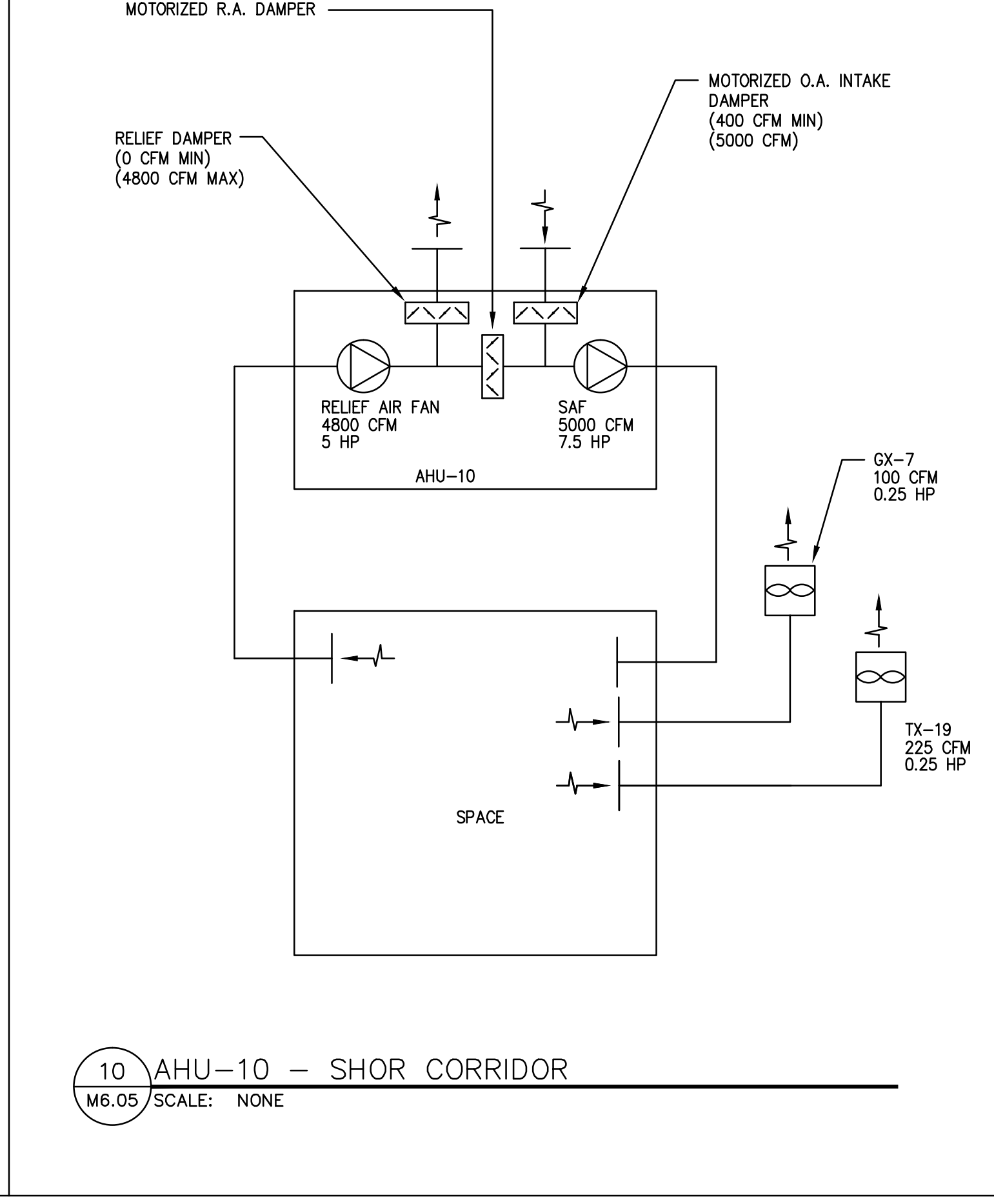
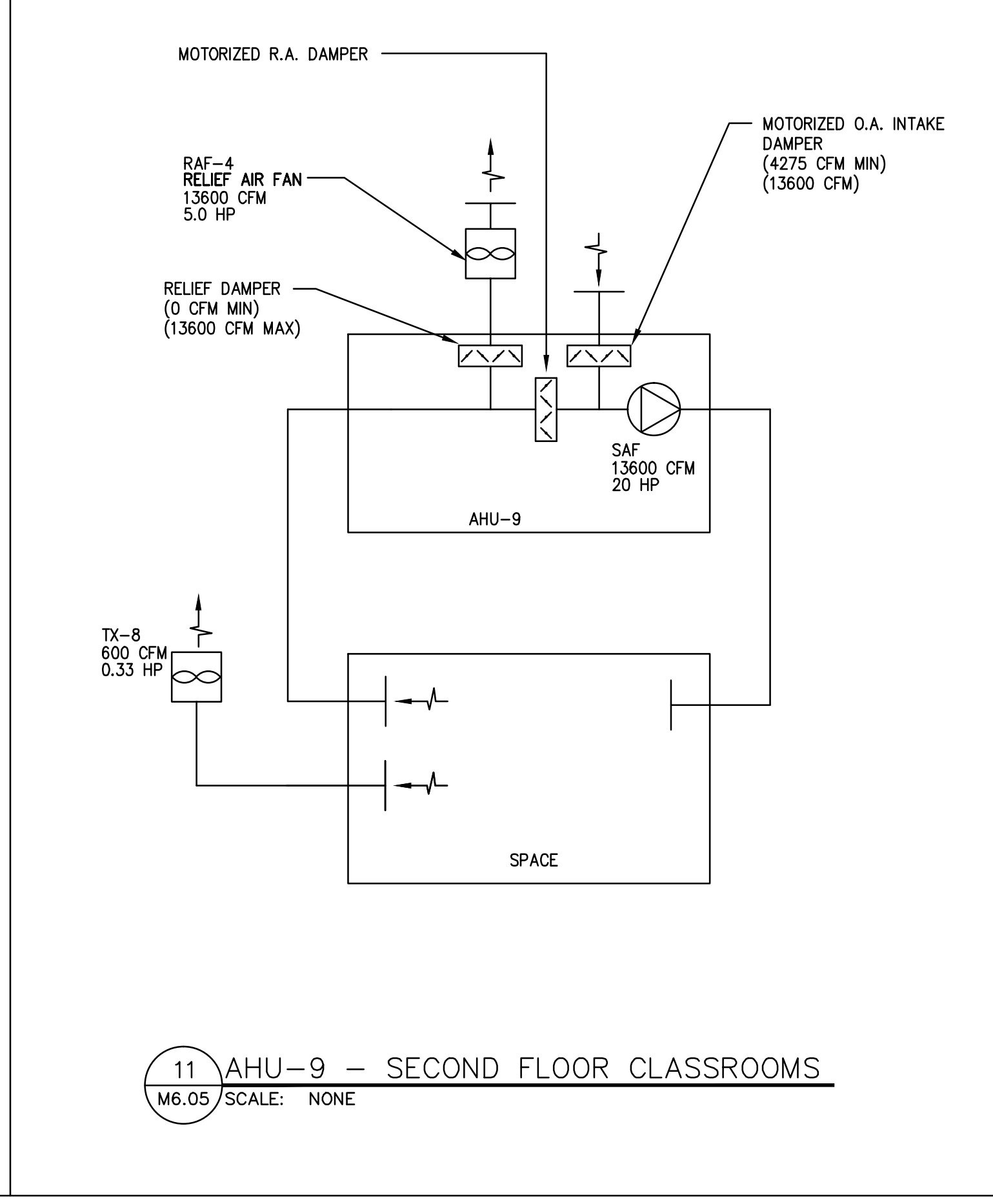
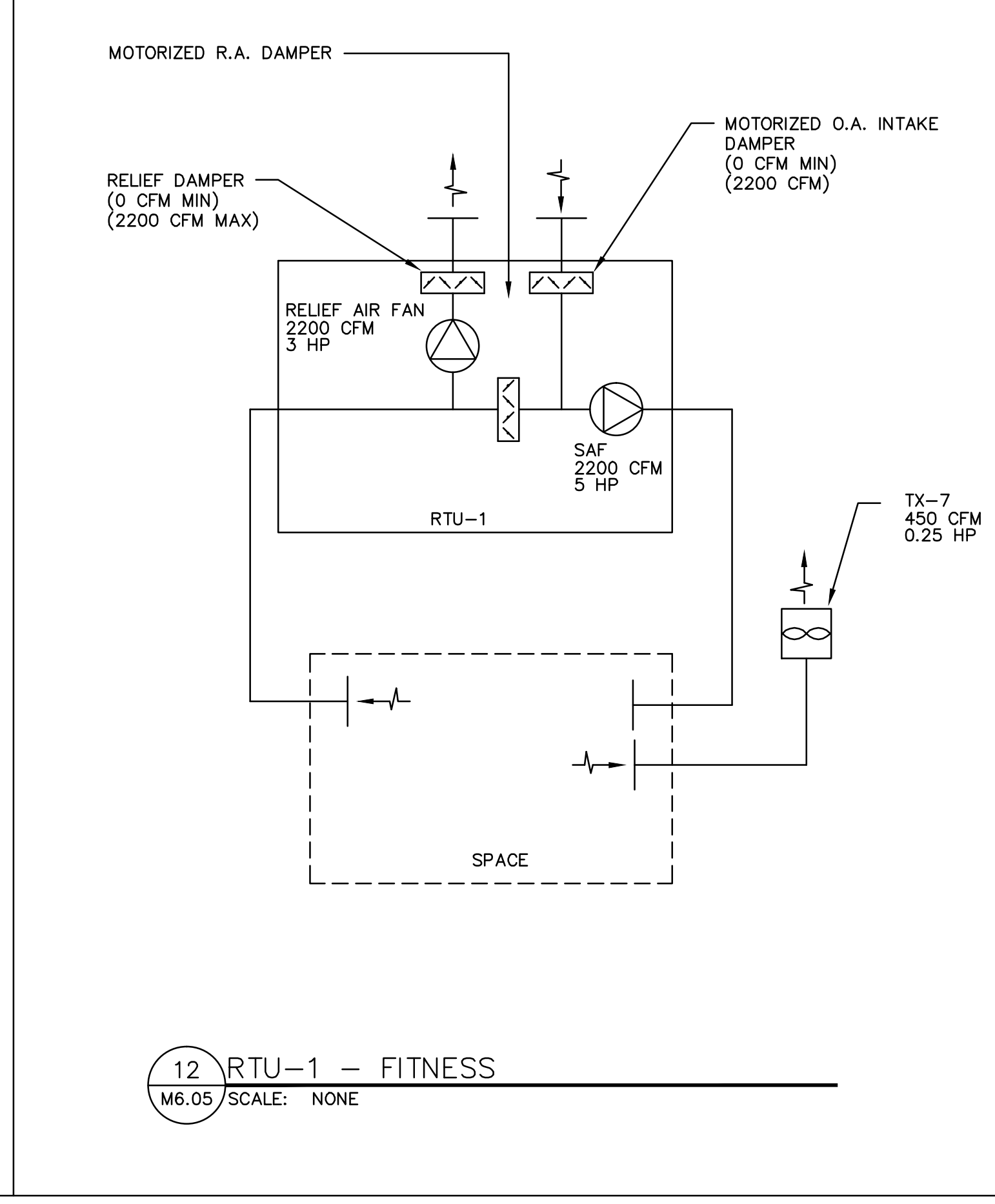
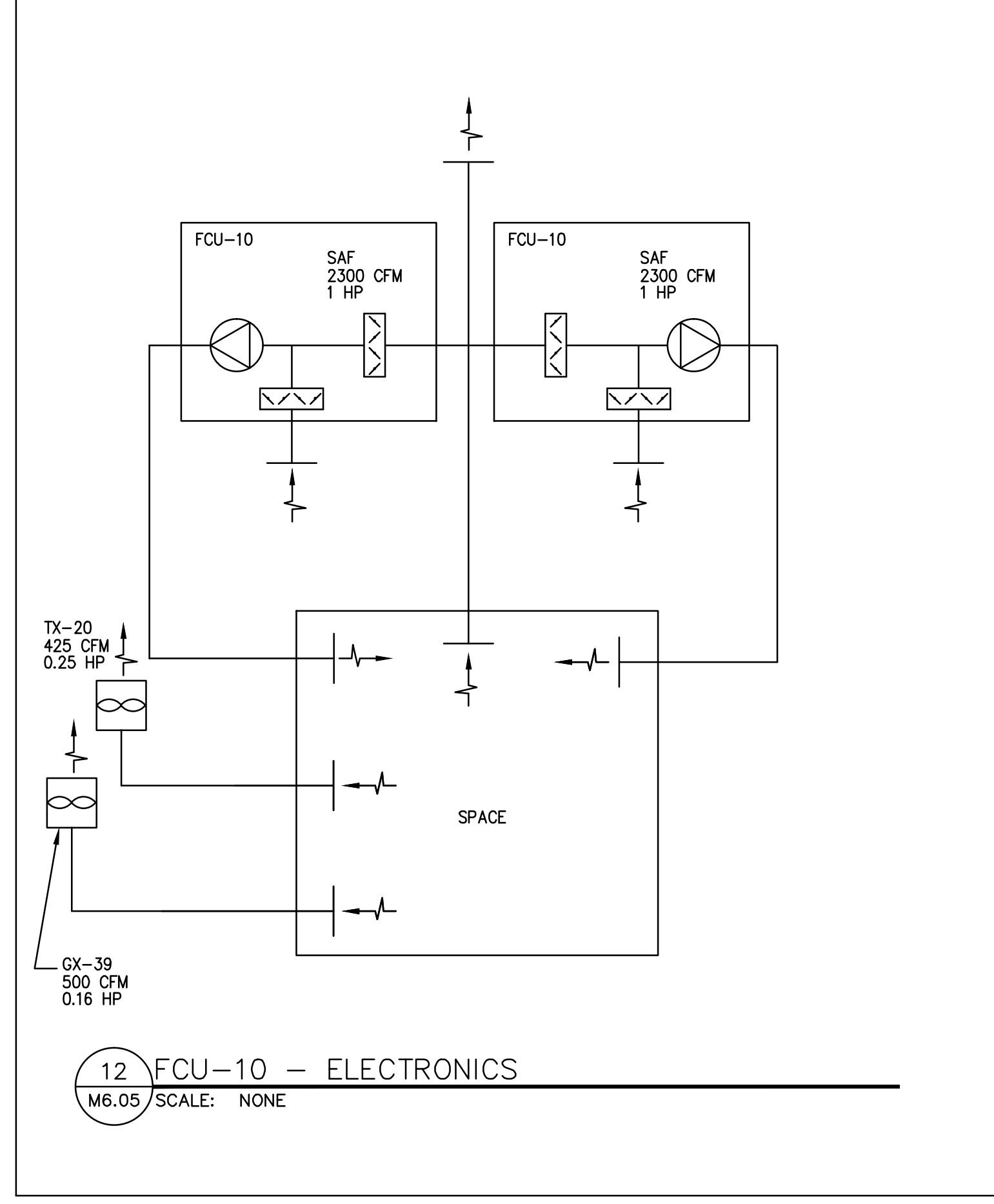
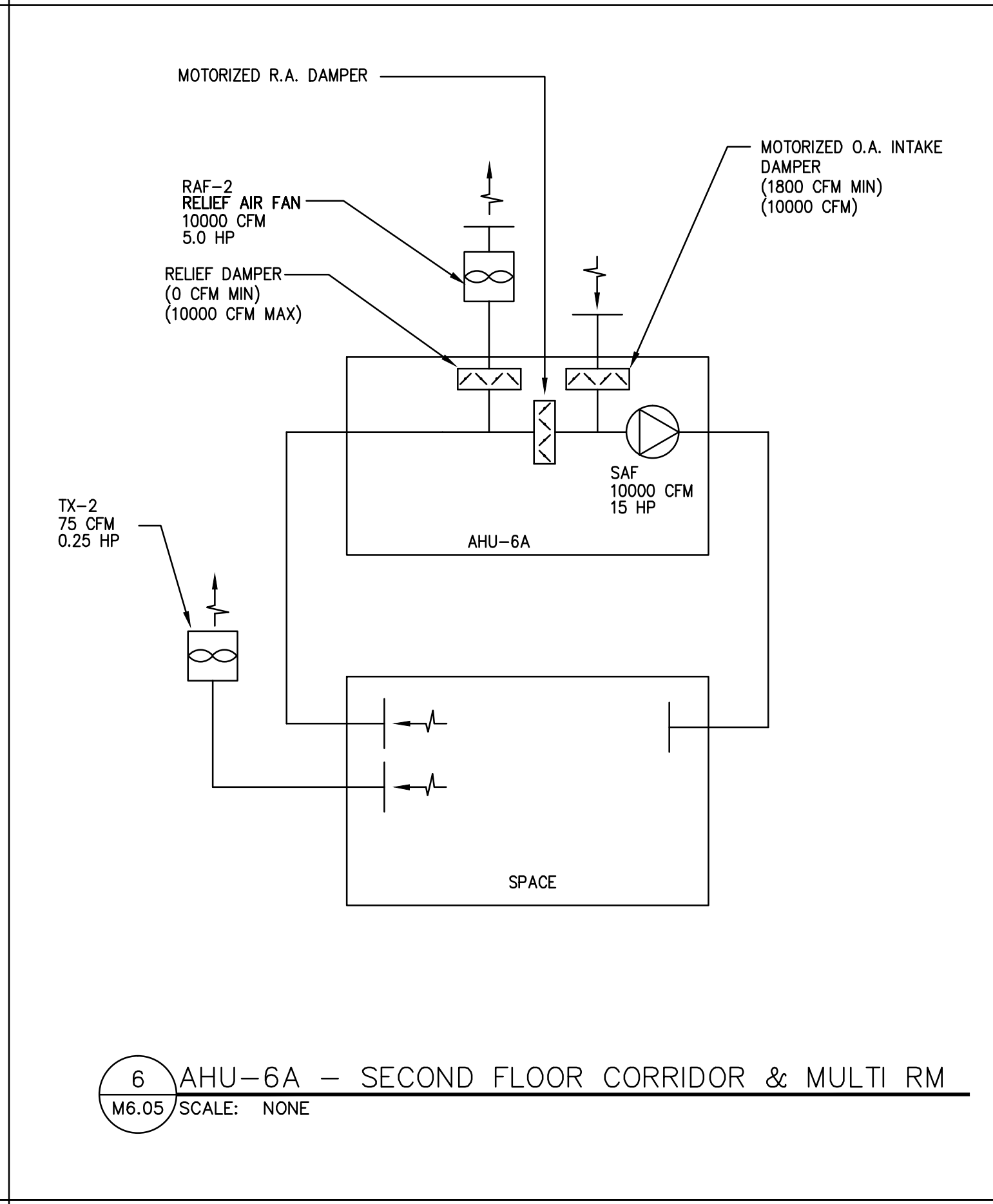
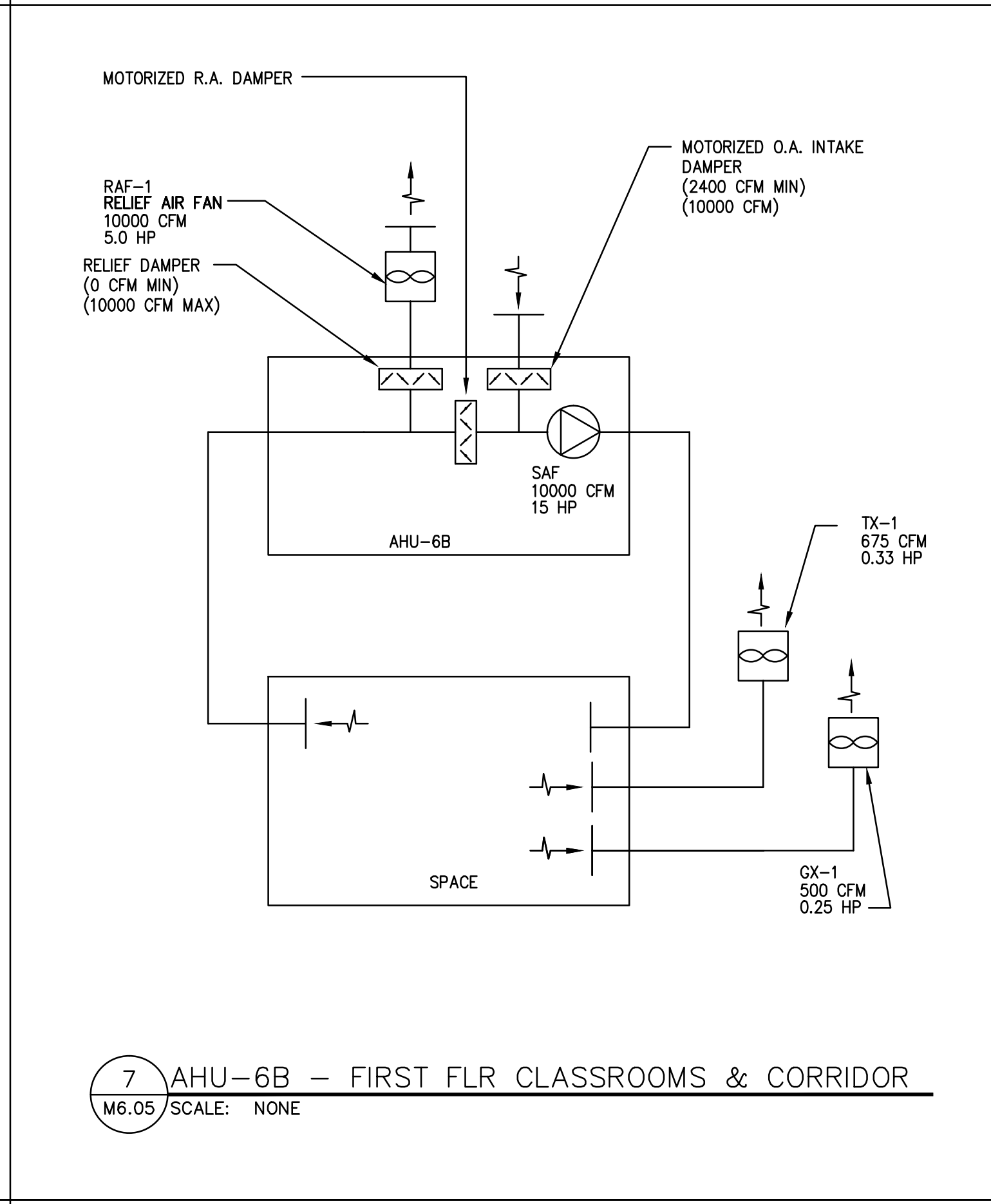
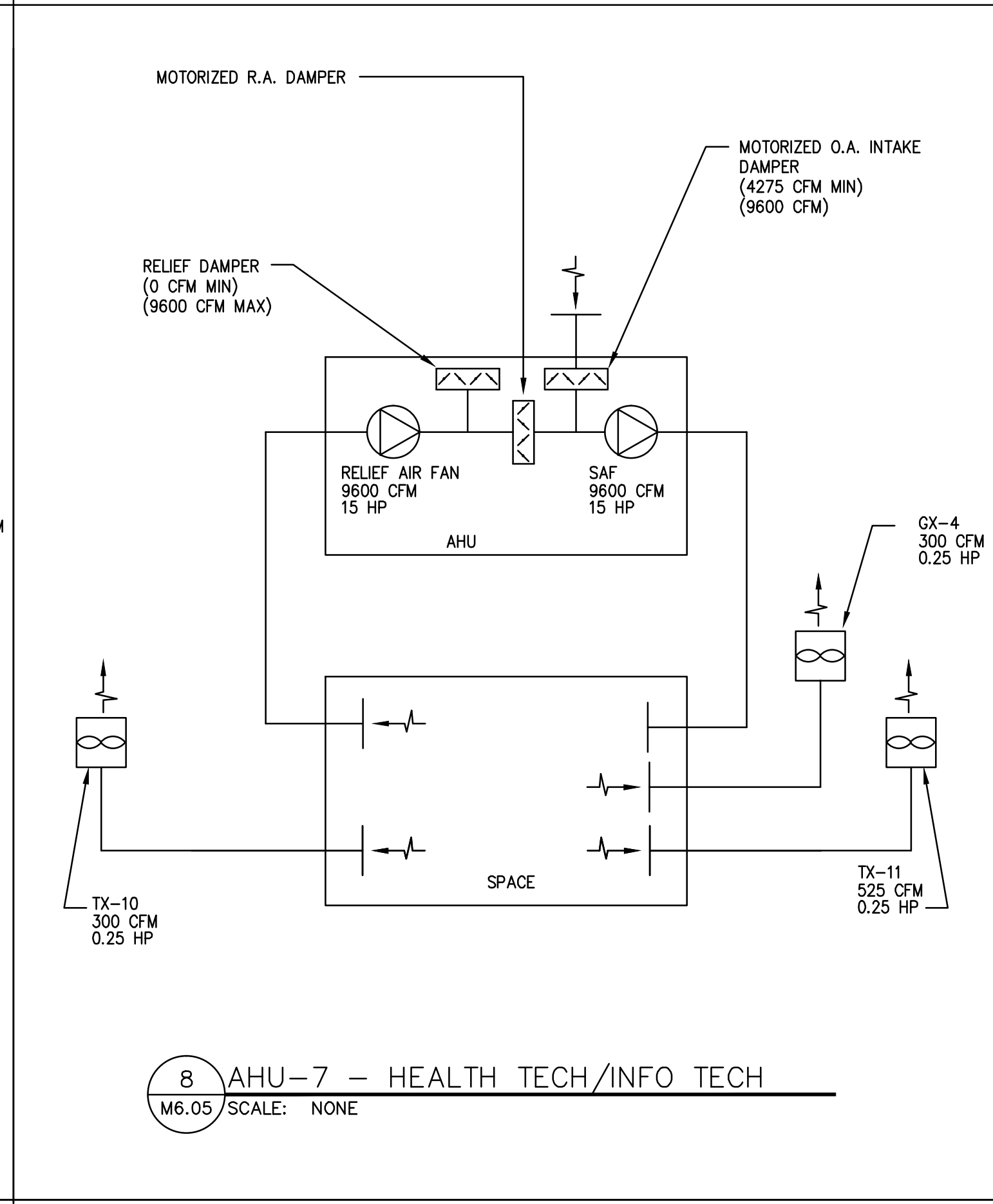
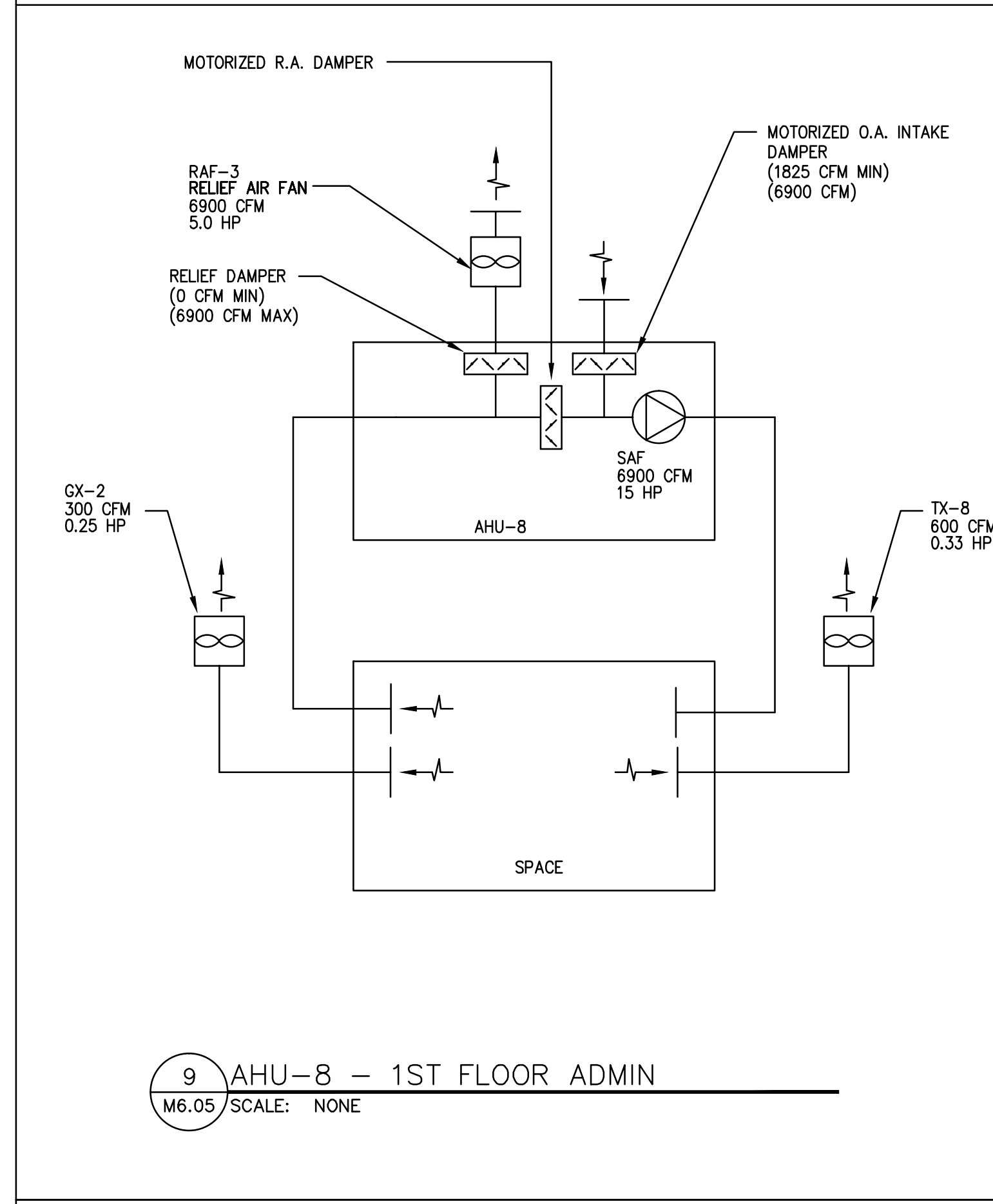
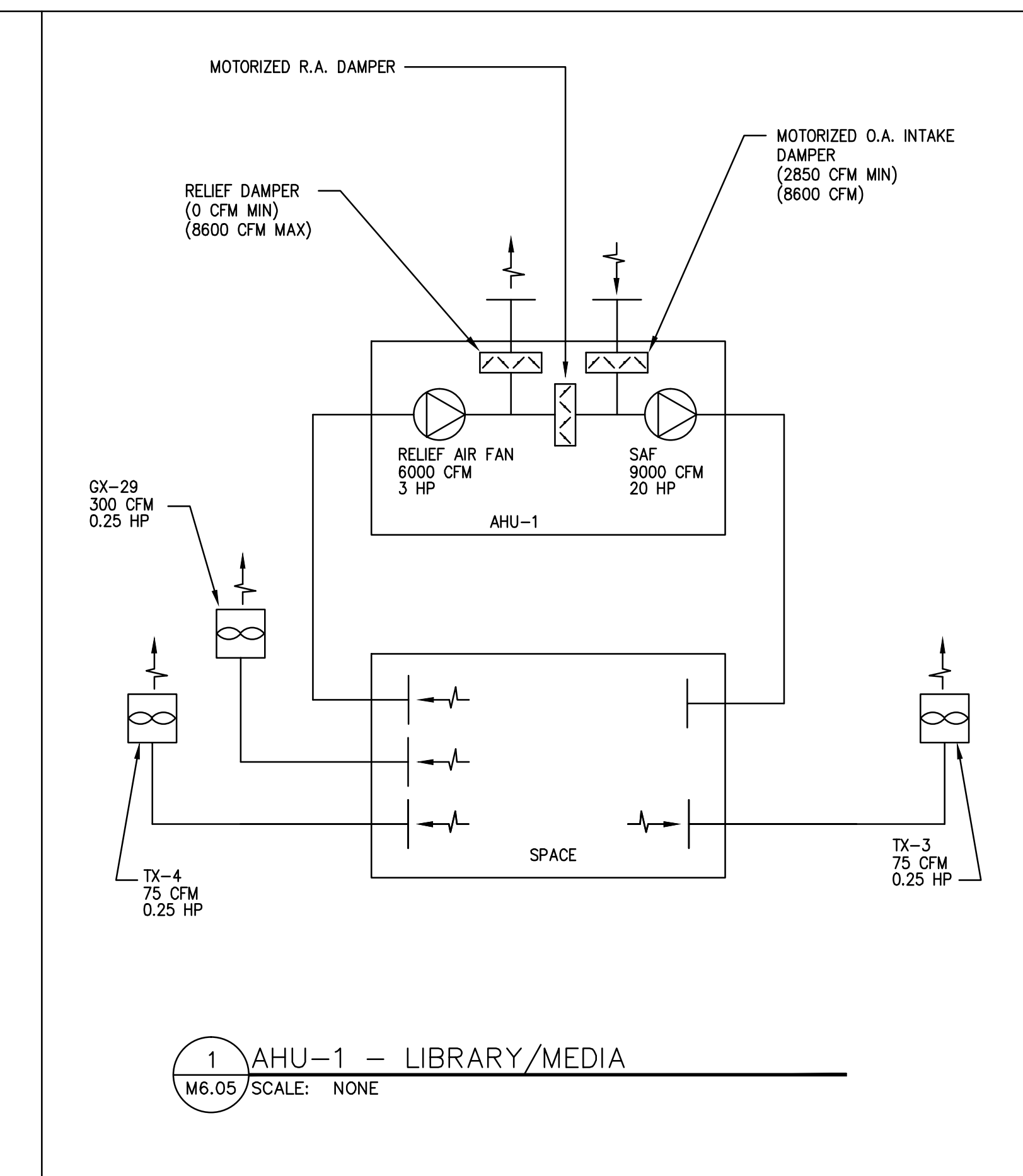
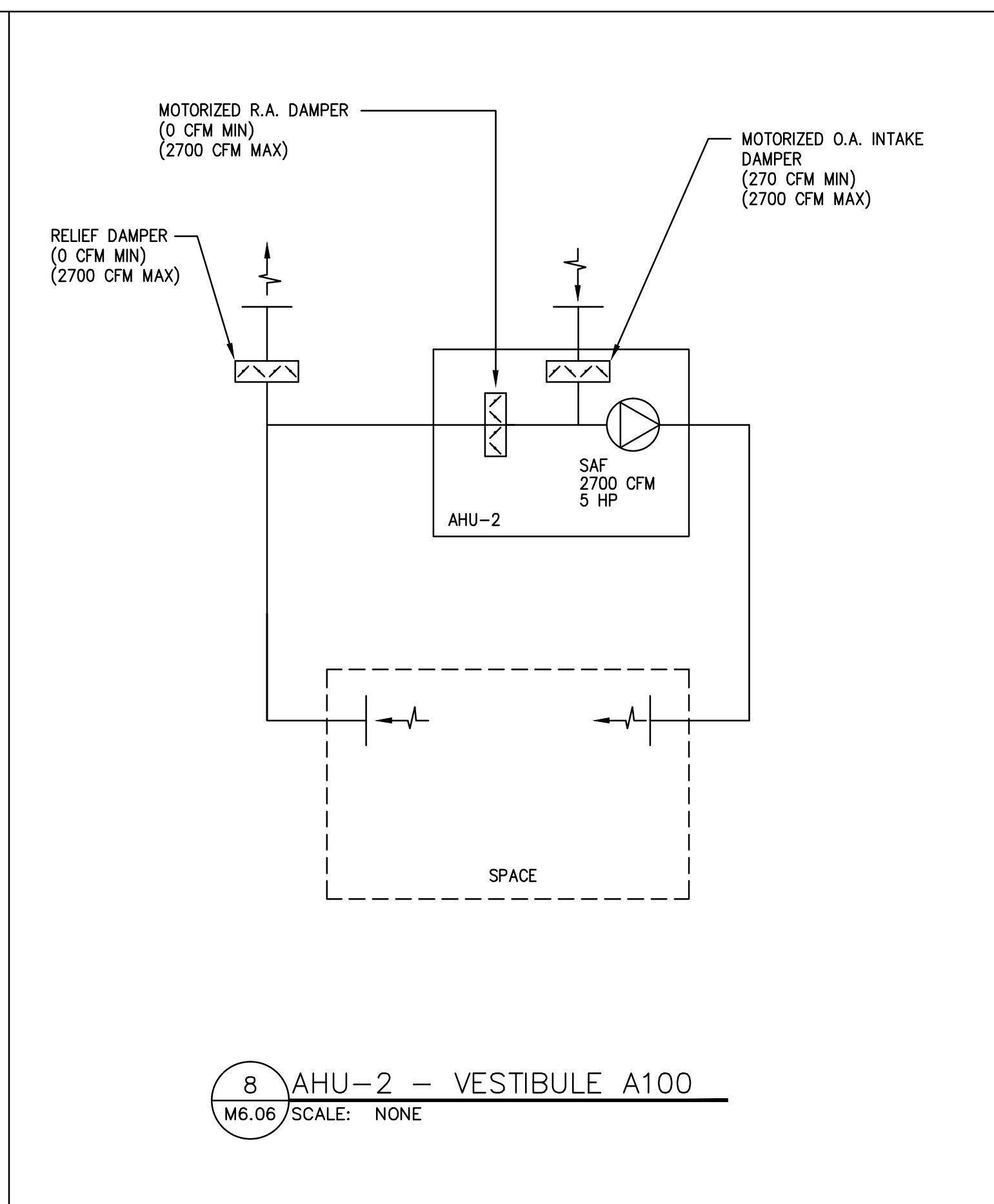
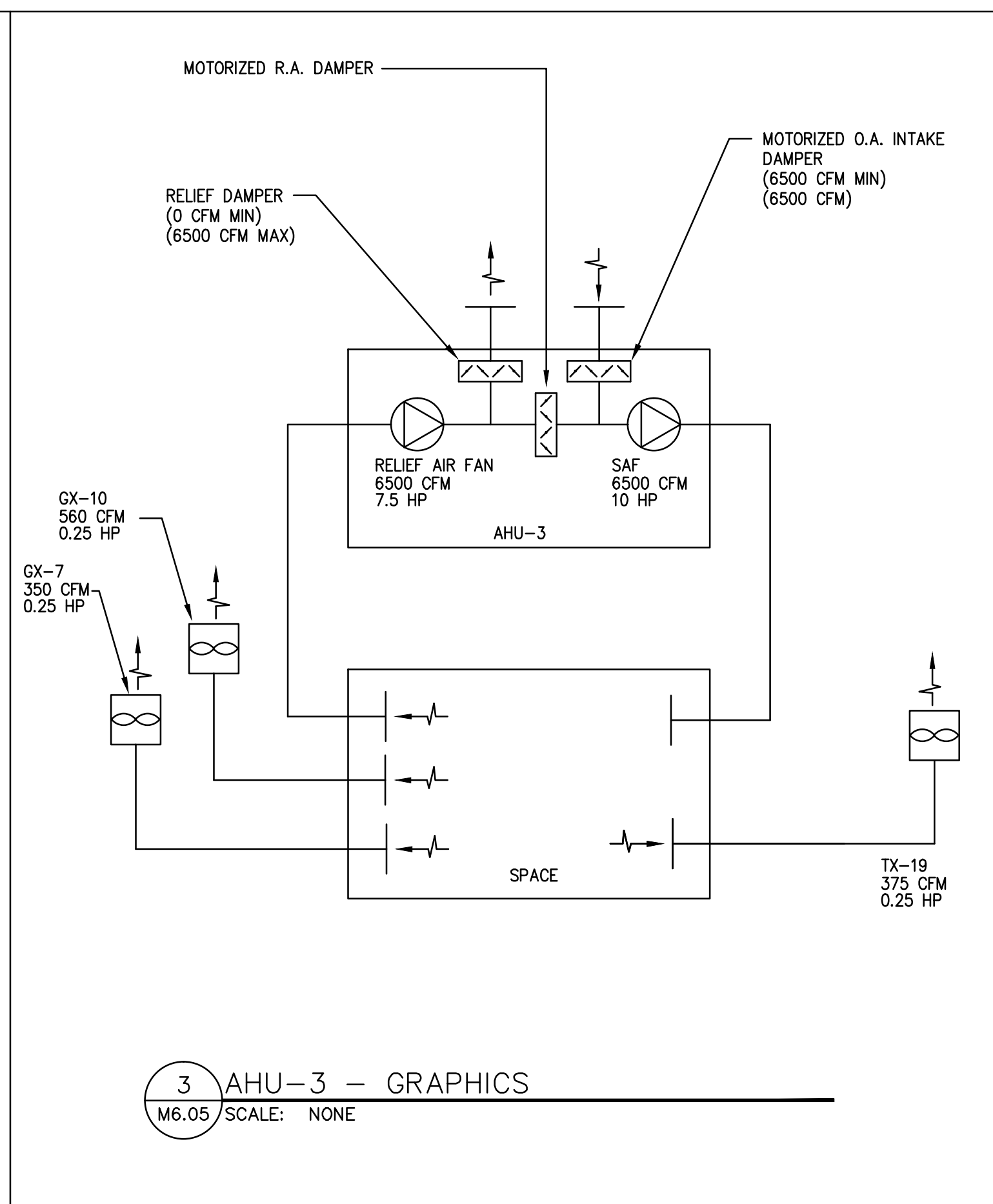
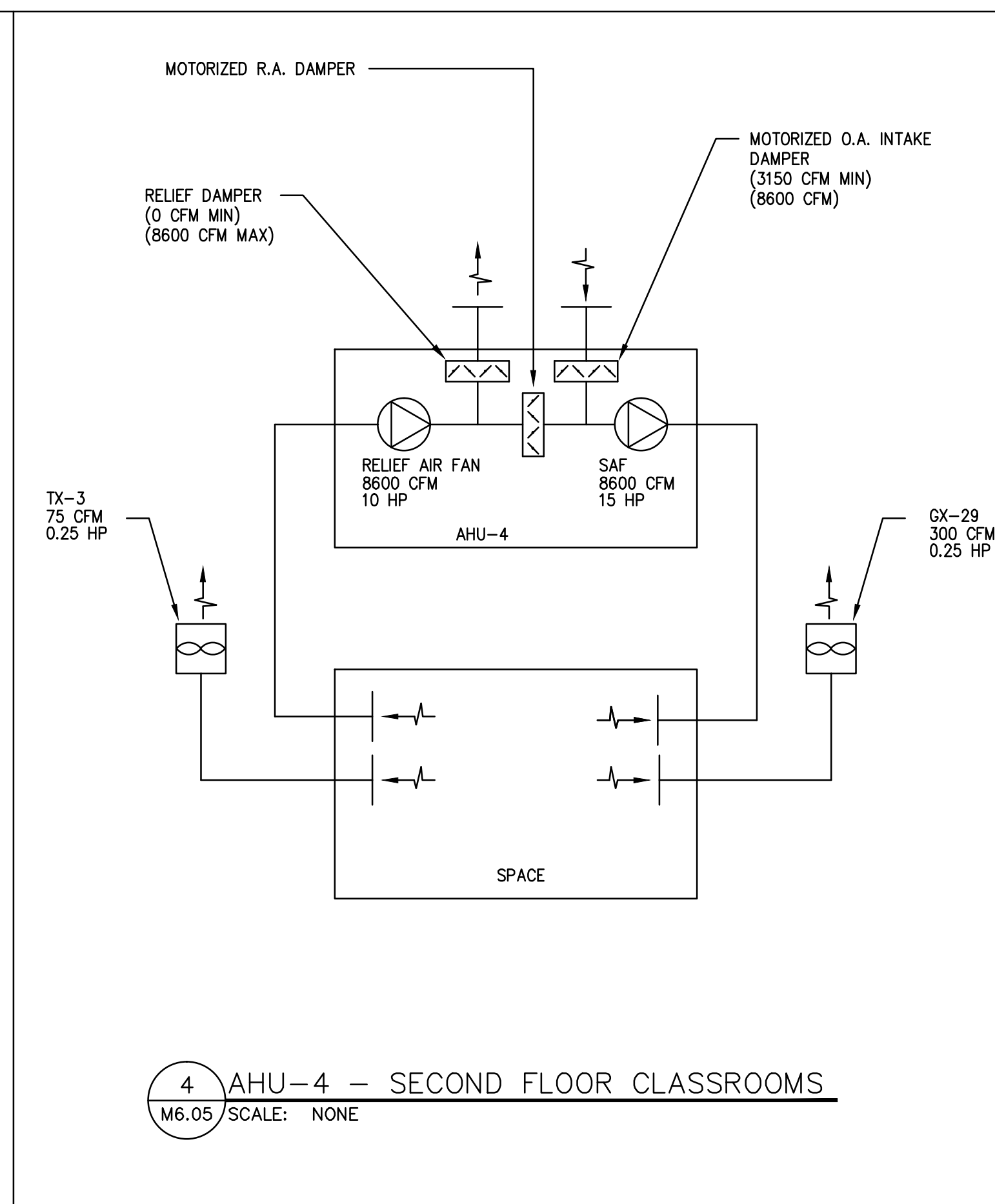
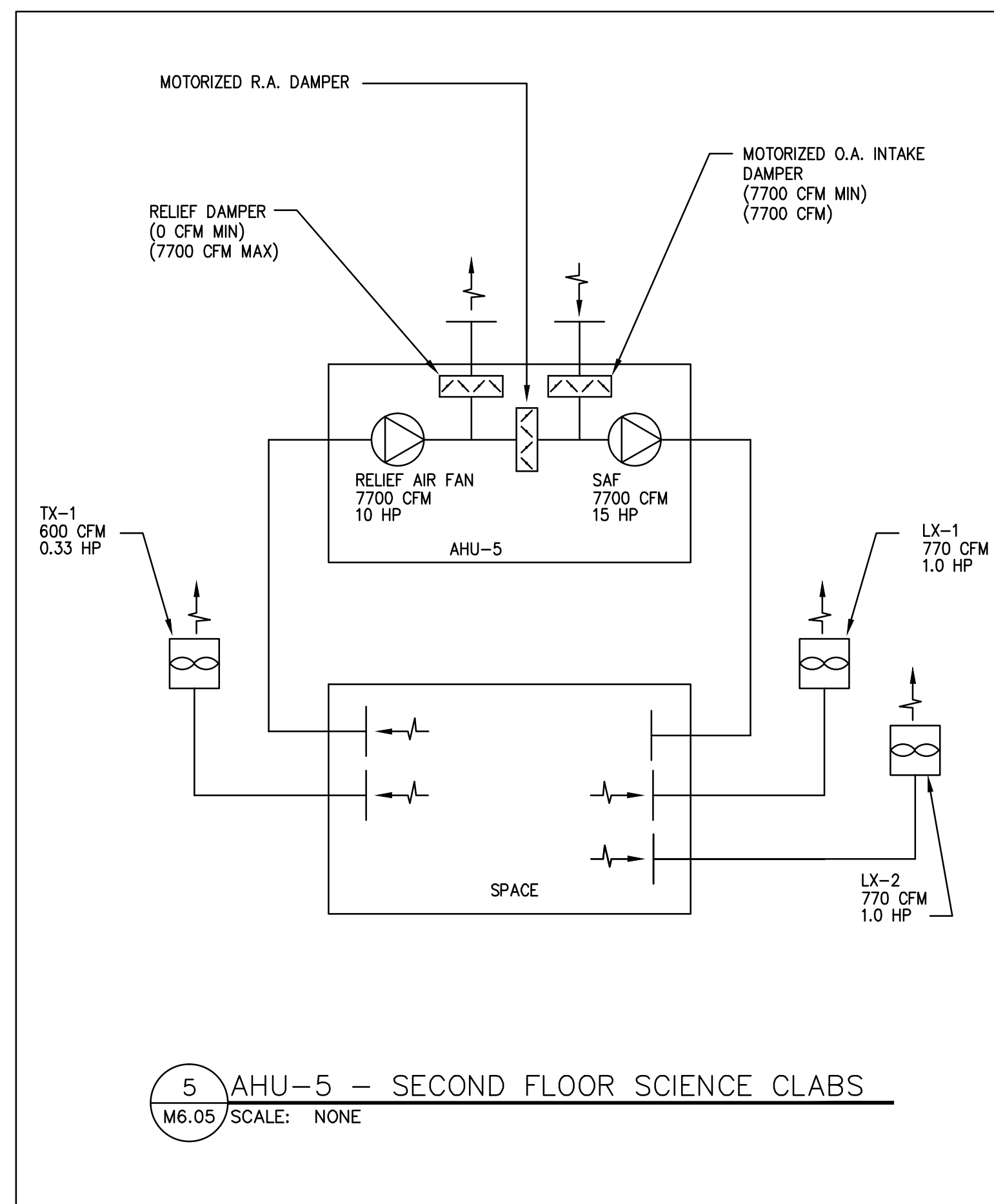


2 LAB HOOD (LX-1/2)
M6.04 SCALE: NONE

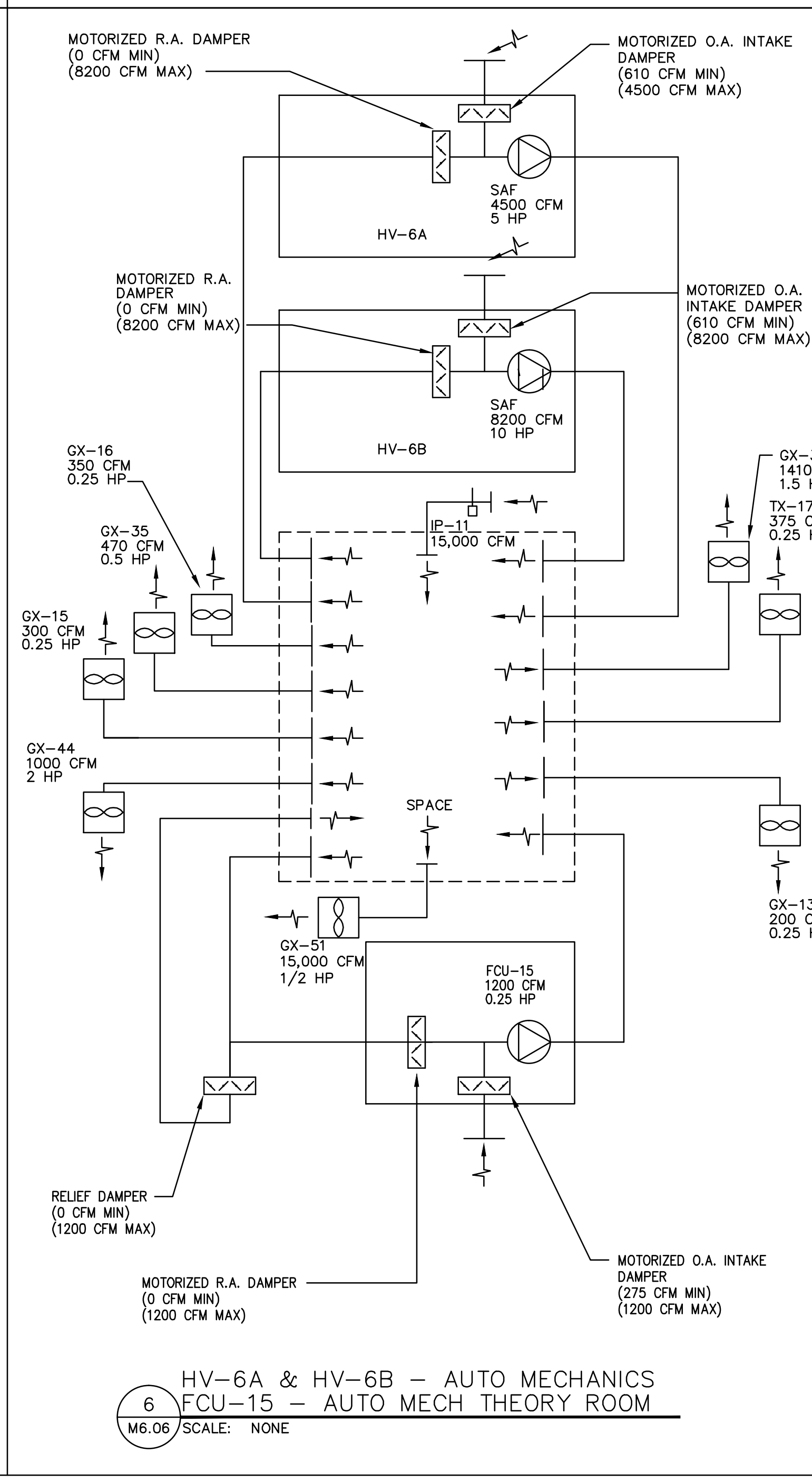
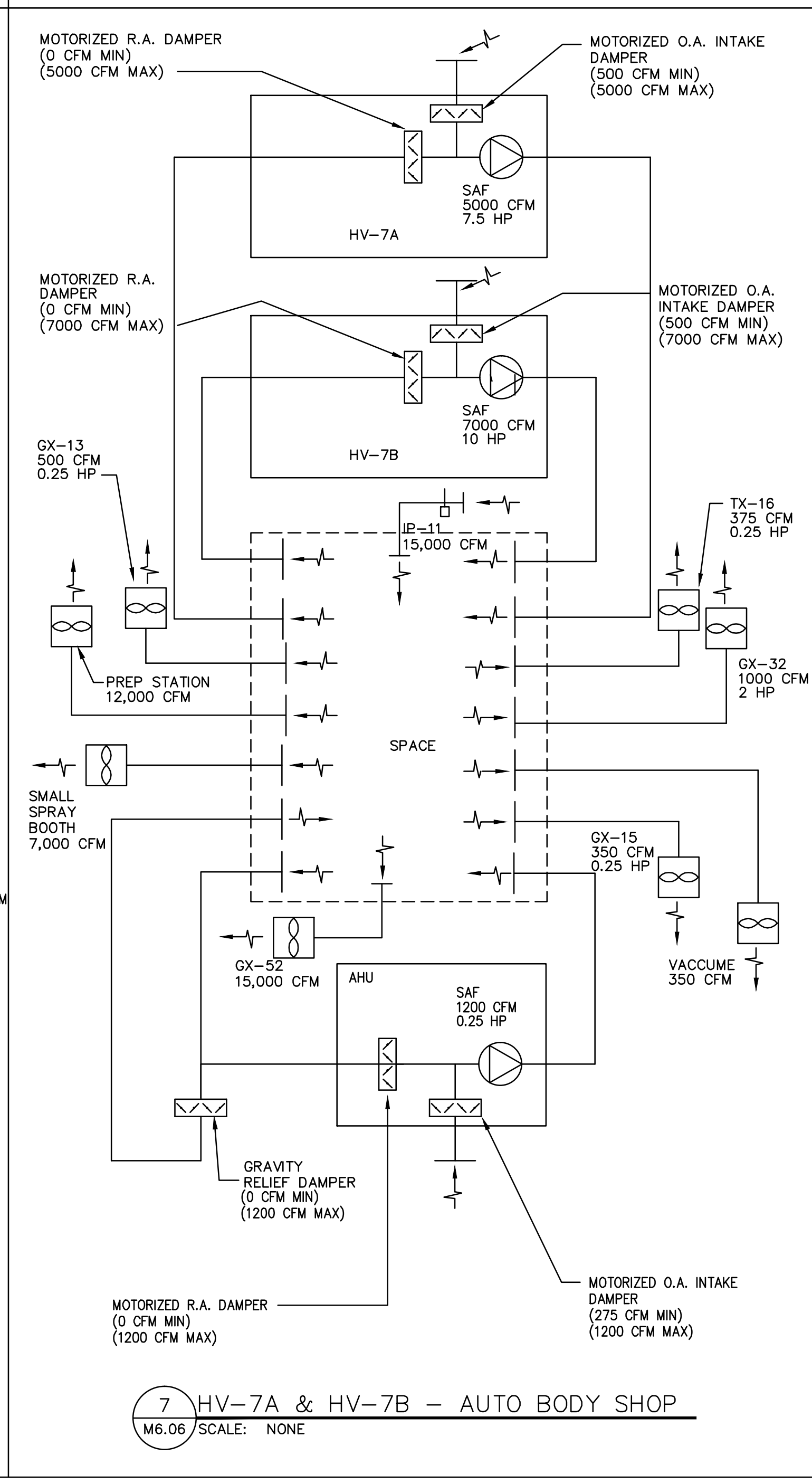
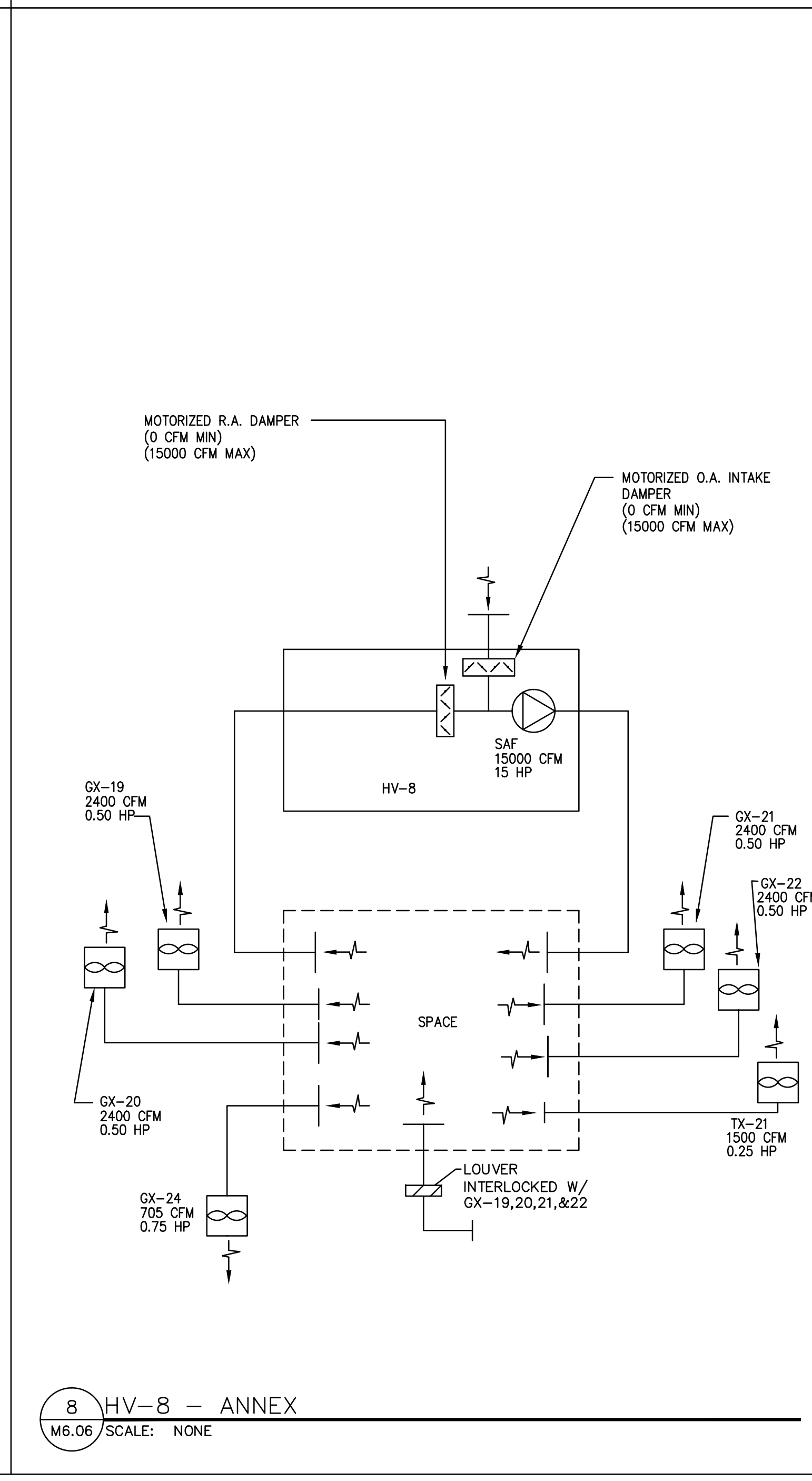
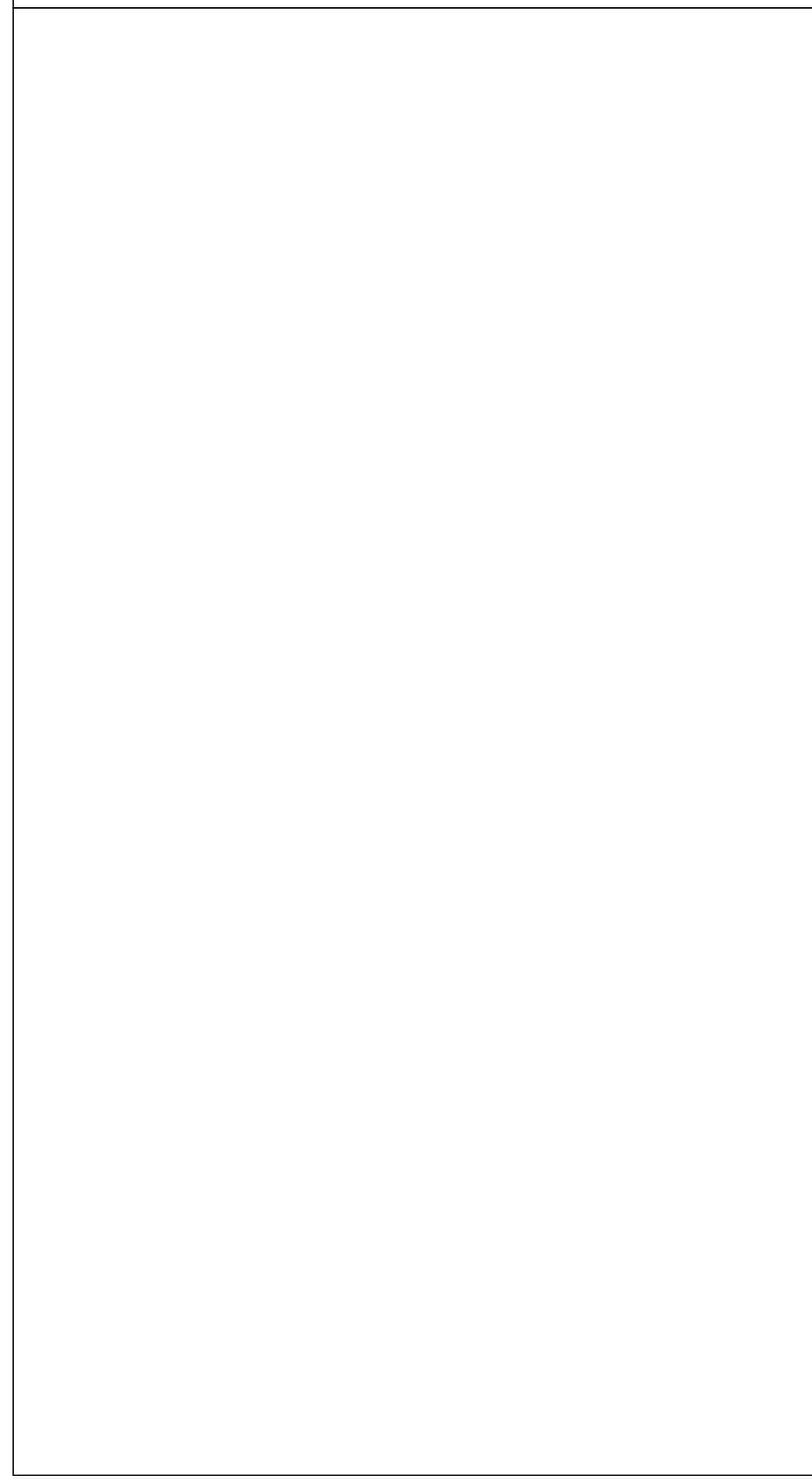
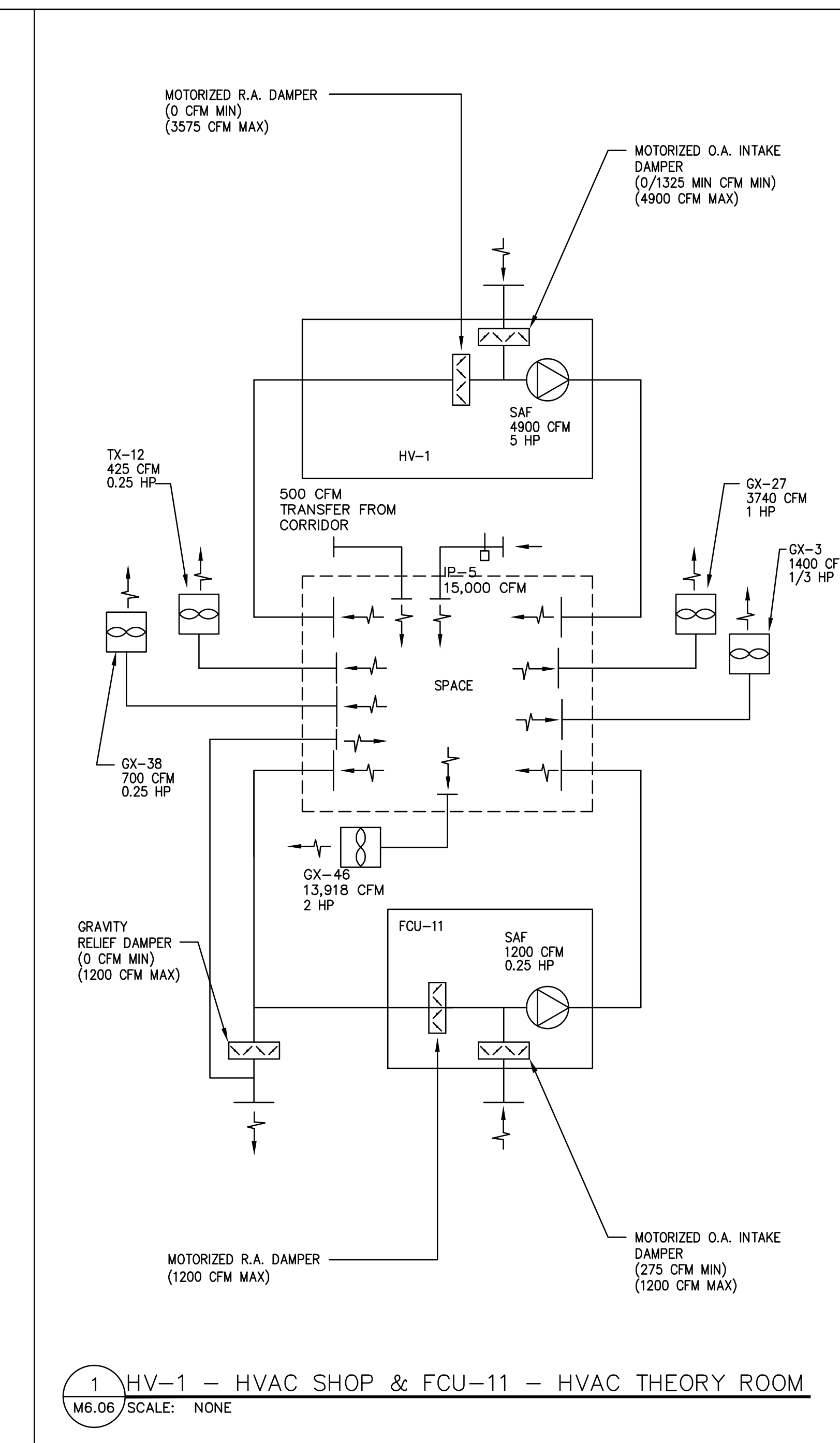
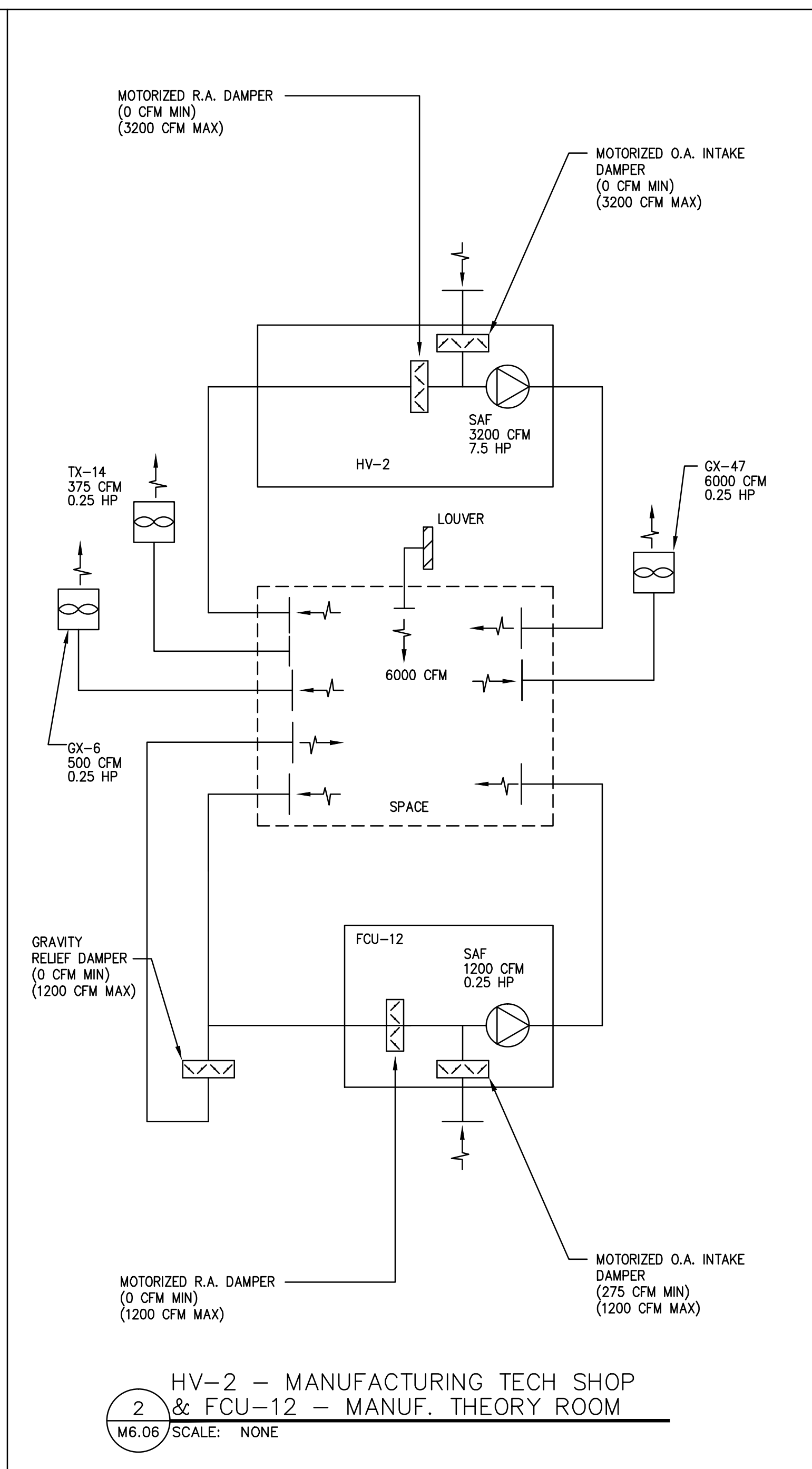
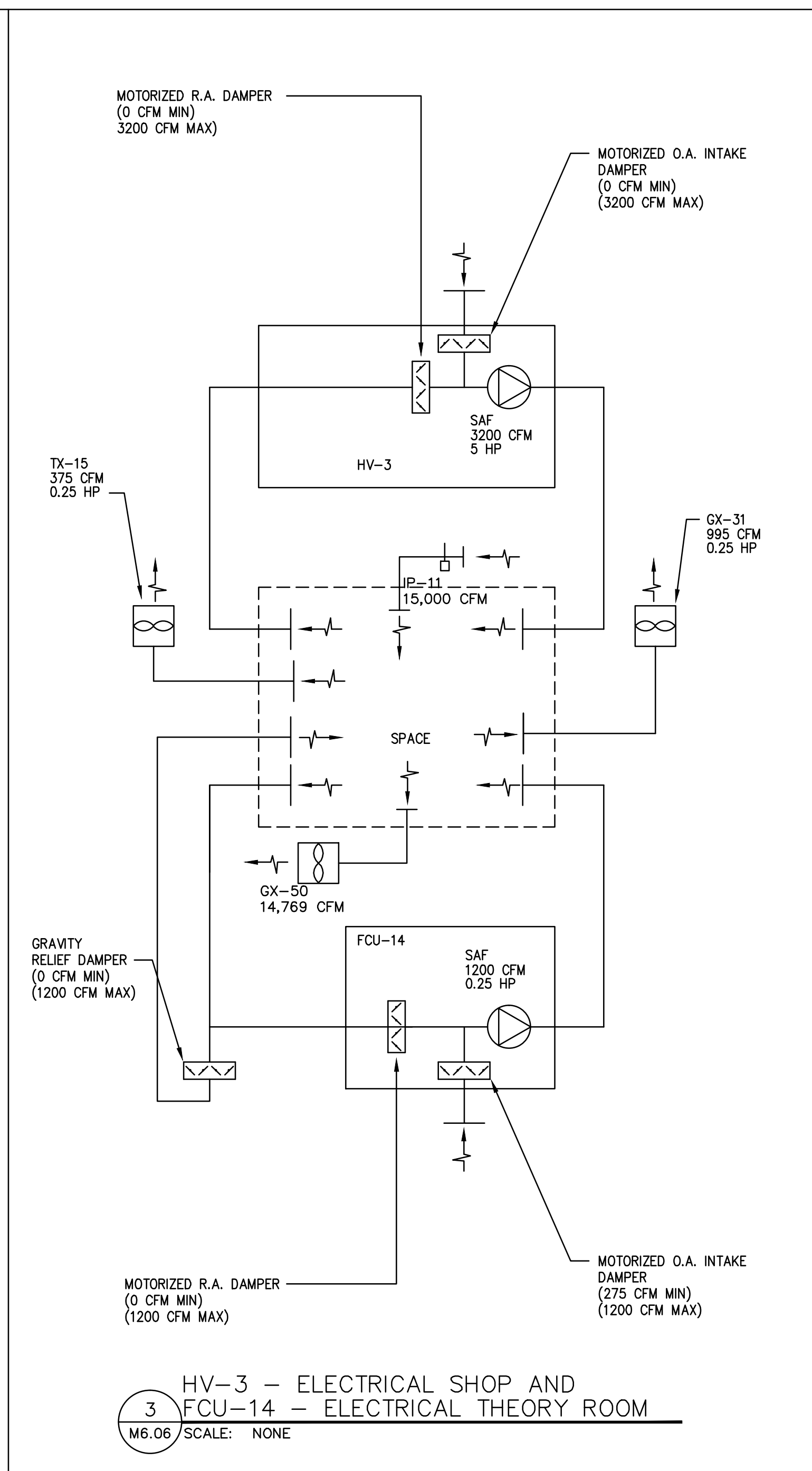
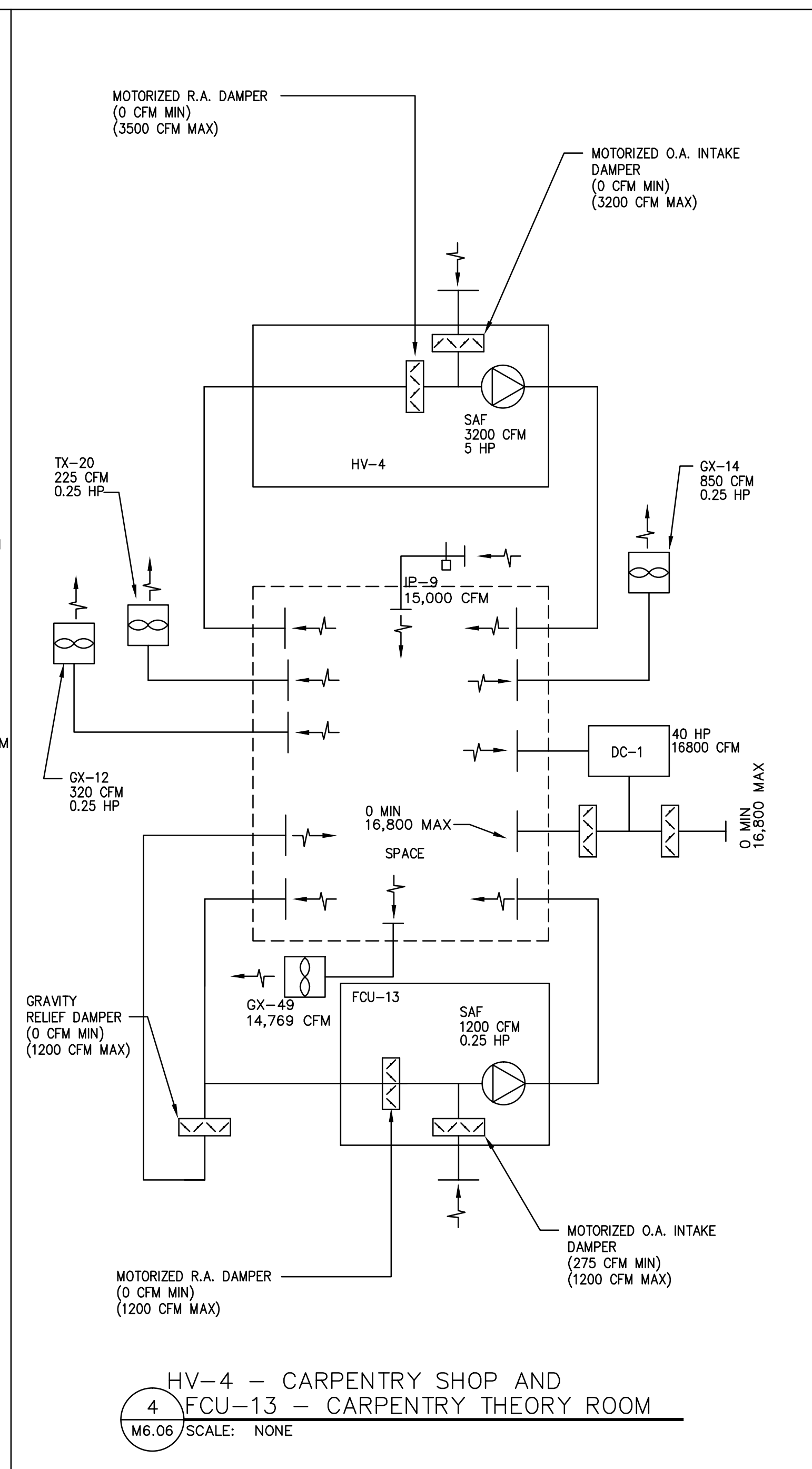
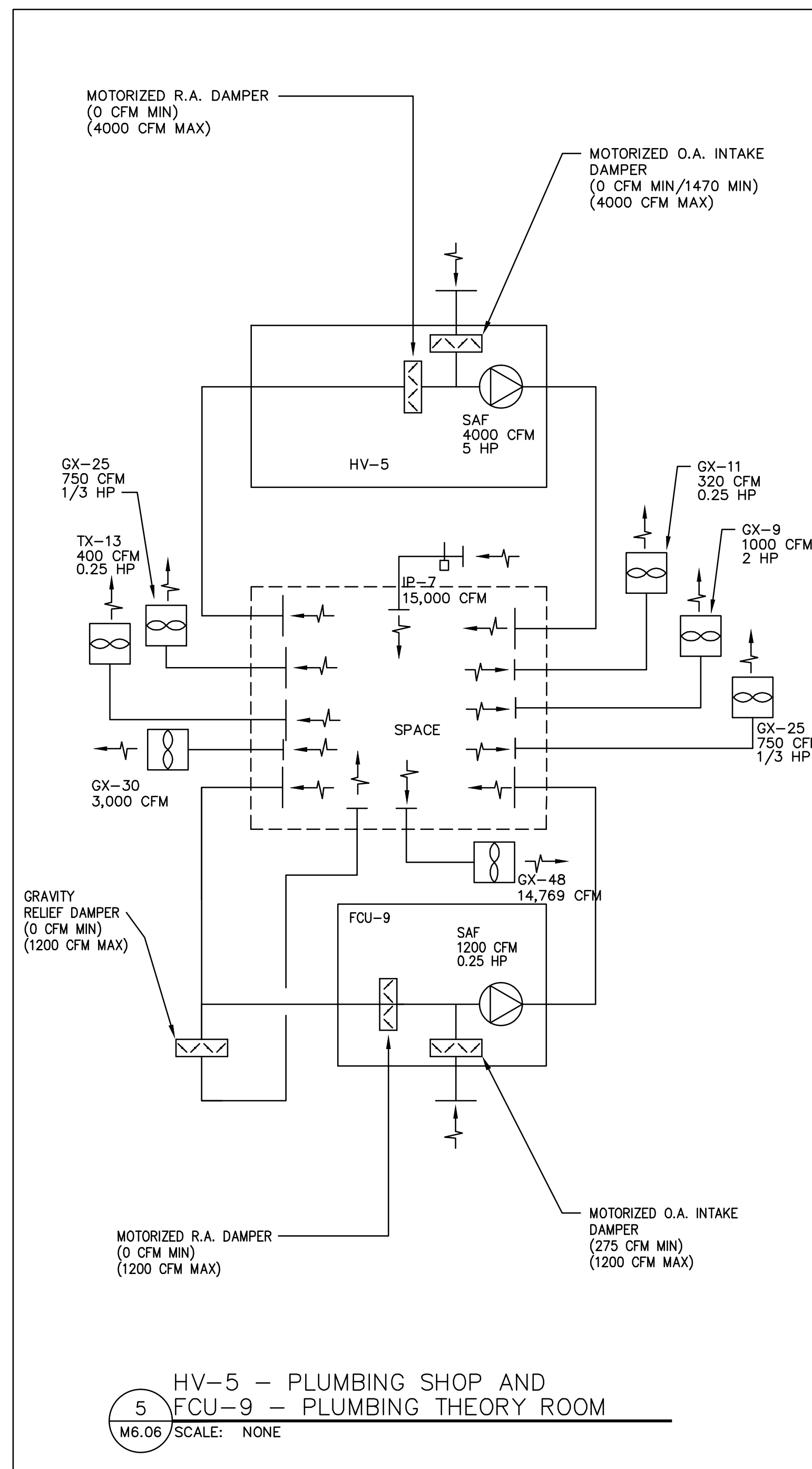


3 VFD GENERAL
M6.04 SCALE: NONE

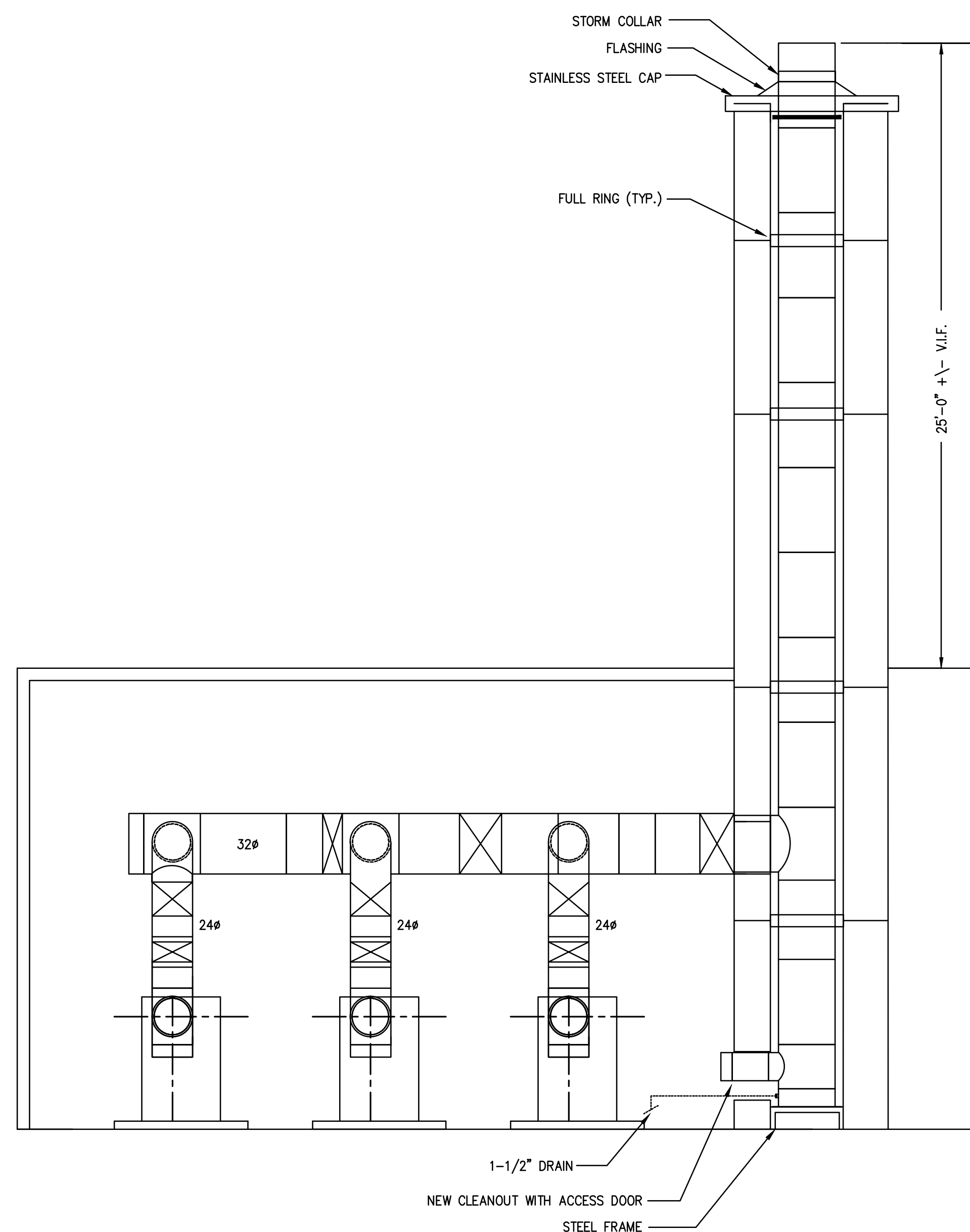
Drawing Title		STATE OF CONNECTICUT	
FLOW & CONTROL DIAGRAMS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NTS
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No.
CAD No. 0532 M-FLOW & CONTROL.DWG		Project No. BI-RT-843	M6.04



Drawing Title		STATE OF CONNECTICUT	
AIR FLOW DIAGRAMS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale NTS
			Drawn By RDV
			Approved By CFR
			Drawing No. M6.05
CAD No. 0532 M-FLOW & CONTROL.DWG		Project No. BI-RT-843	

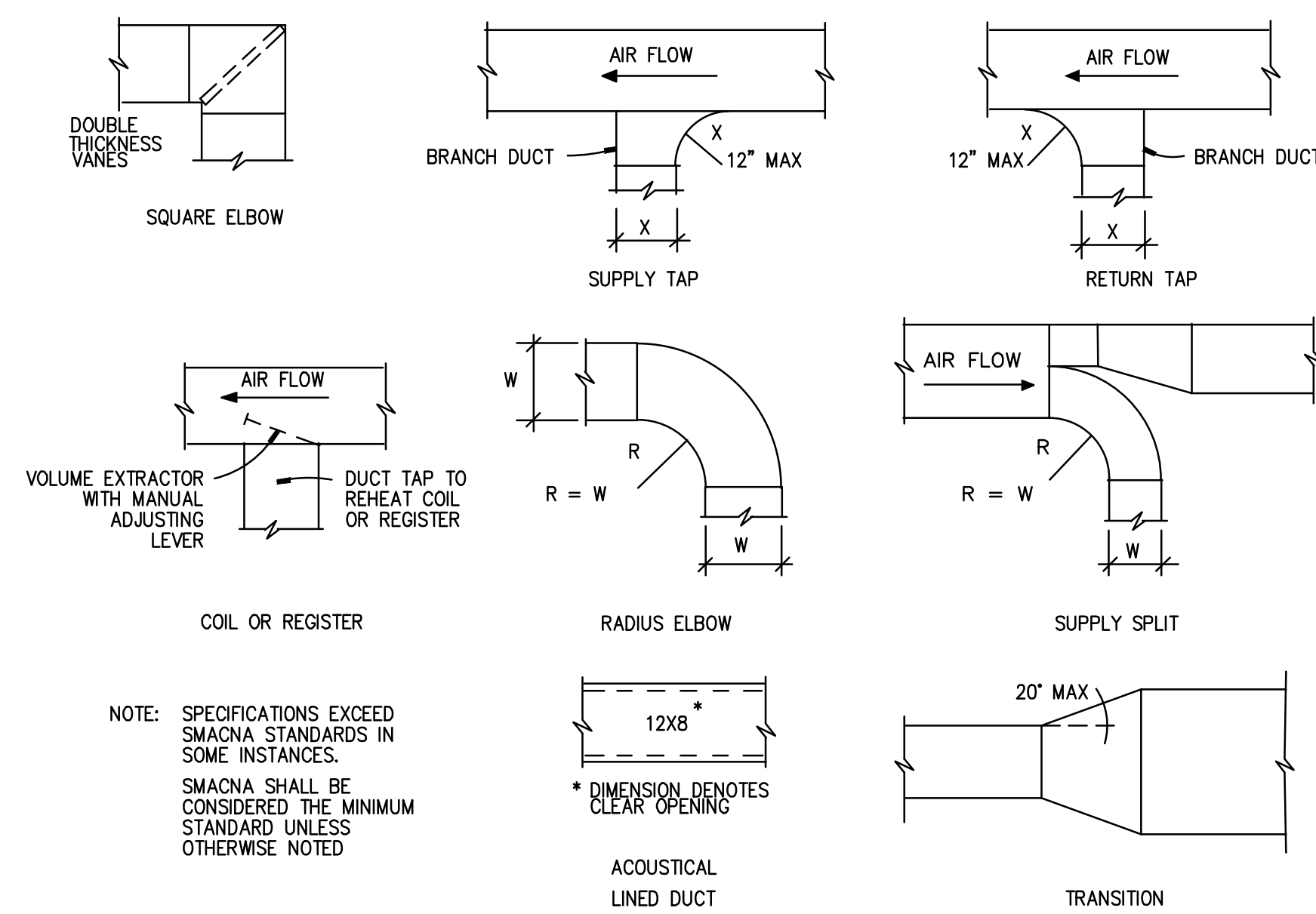


Drawing Title		STATE OF CONNECTICUT	
AIR FLOW DIAGRAMS		DEPARTMENT OF PUBLIC WORKS	
MECHANICAL			
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Wyllys St, Suite 1-203		Scale	
Hartford, CT 06106		NTS	
Project		Drawn By	
H.C. Wilcox Technical High School		RDV	
Meriden, CT		Approved By	
		CFR	
		Drawing No.	
CAD No.		Project No.	
0532 M-FLOW & CONTROL.DWG		BI-RT-843	
		M6.06	



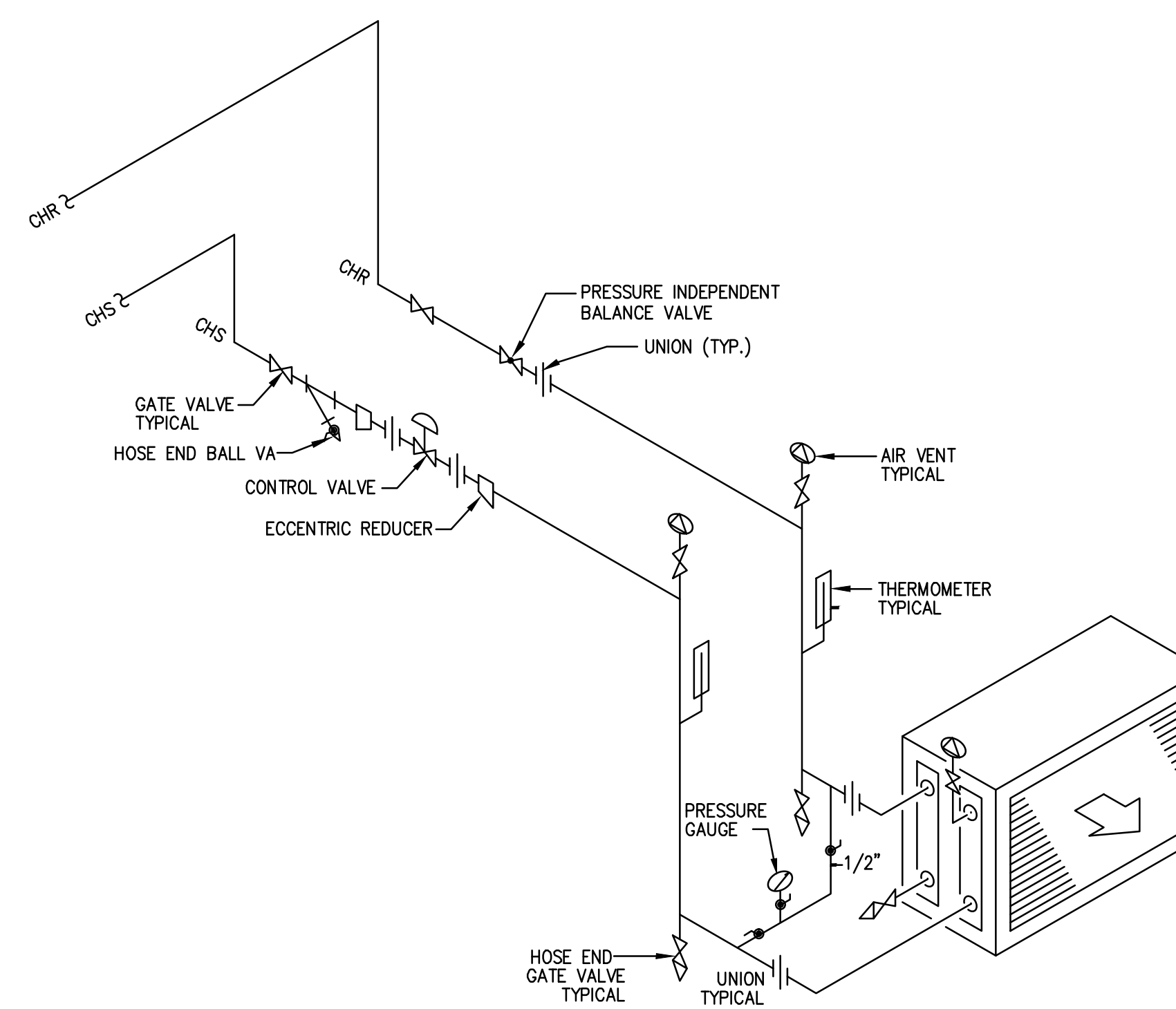
1 STACK LINER DETAIL FOR BOILERS

M7.01 SCALE: NONE



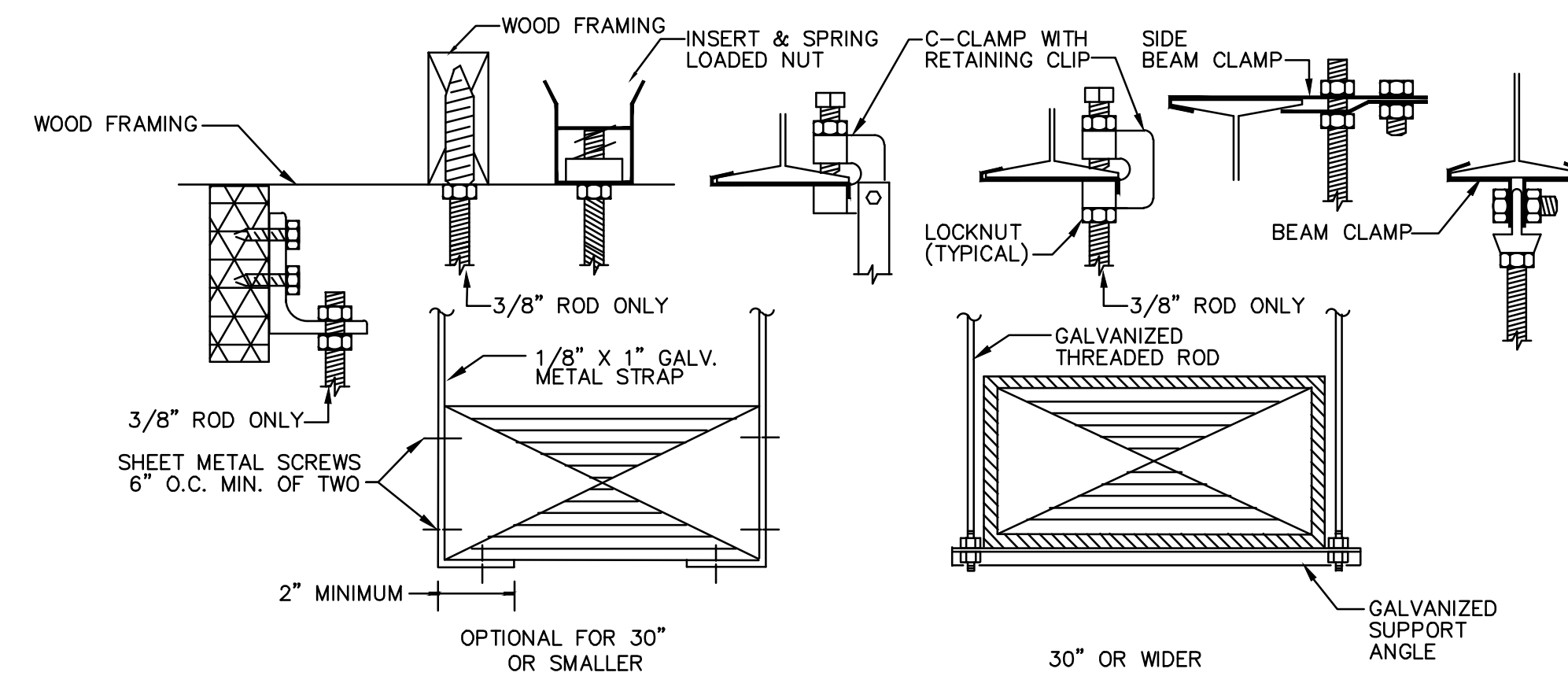
2 DUCT CONSTRUCTION DETAILS

M7.01 SCALE: NONE



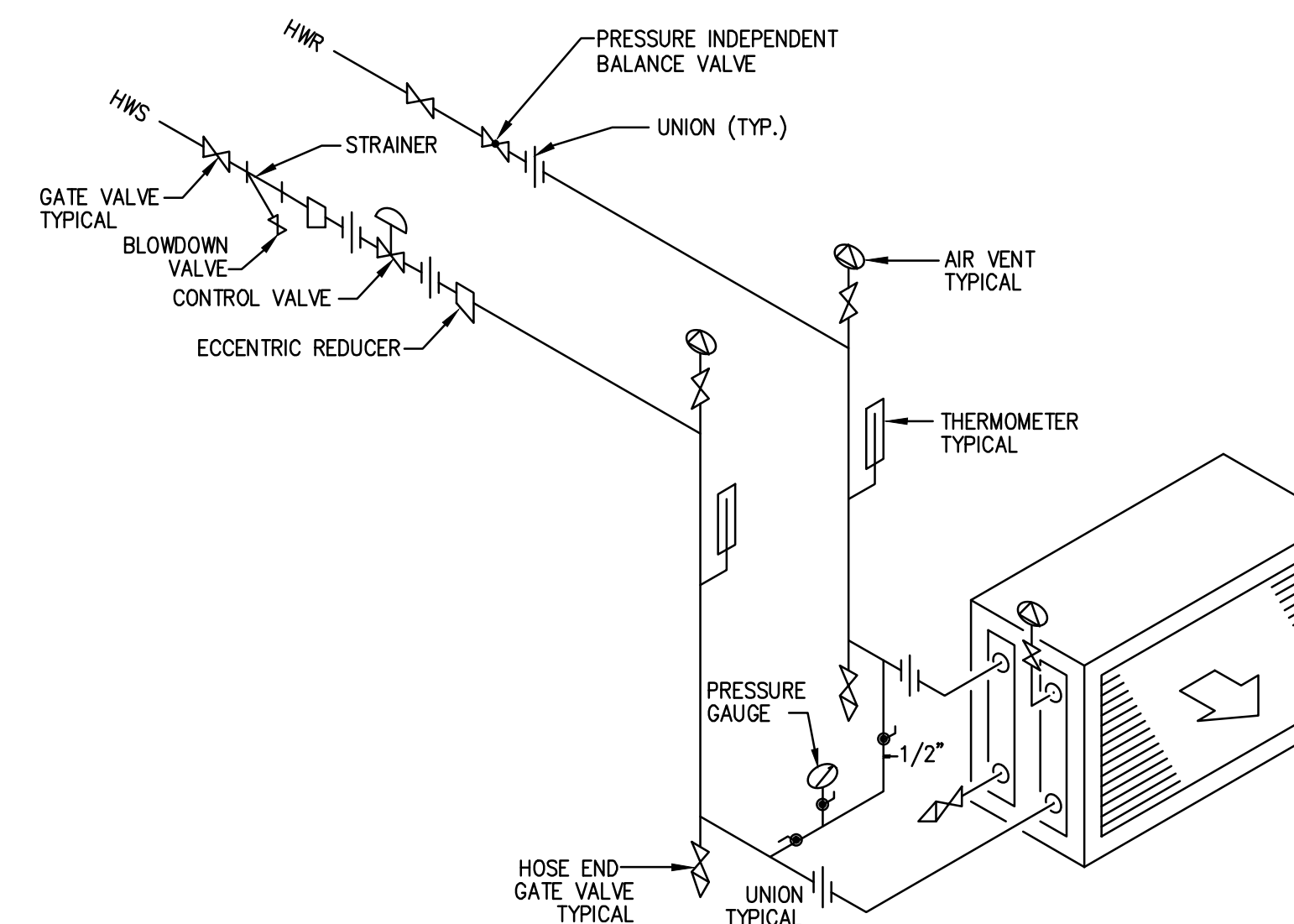
3 CHILLED WATER COIL

M7.01 SCALE: NONE



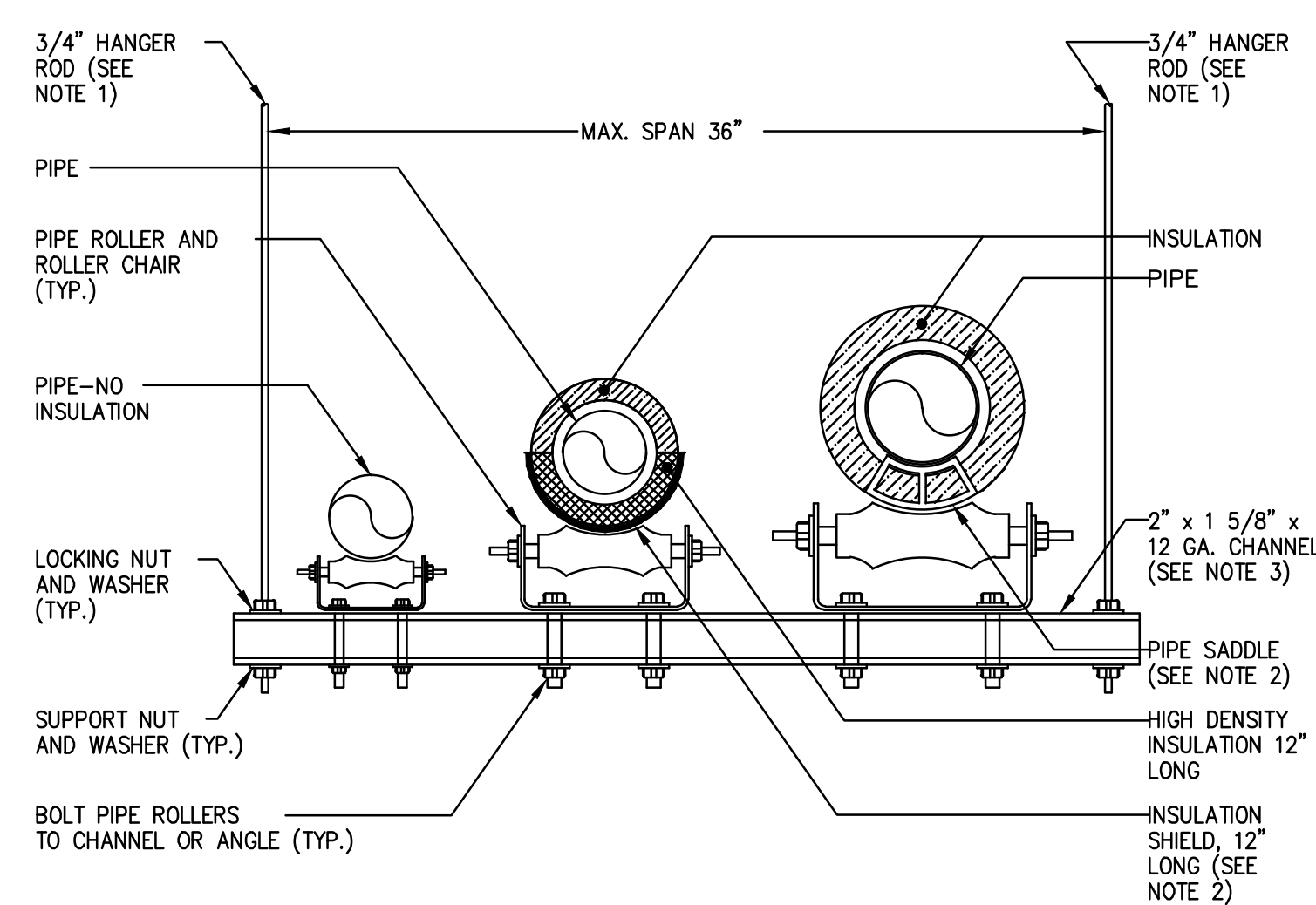
DUCT WIDTH	ROD DIA.	SUPPORT ANGLE OR EQUIV. CHANNEL	MAXIMUM SPACING	MAXIMUM AREA *
25" TO 30"	3/8"	1 1/2" X 1 1/2" X 1/8"	8'-0" O.C.	4 SQ. FT.
31" TO 42"	3/8"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.	10 SQ. FT.
43" TO 60"	1/2"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.	10 SQ. FT.
61" TO 84"	1/2"	2" X 2" X 1/4"	4'-0" O.C.	-----
85" AND UP	1/2"	2" X 2" X 1/4"	4'-0" O.C.	-----

* REDUCE SPACING TO NEXT SMALLER INTERVAL IF DUCT AREA EXCEEDS MAXIMUM



5 HOT WATER HEATING COIL

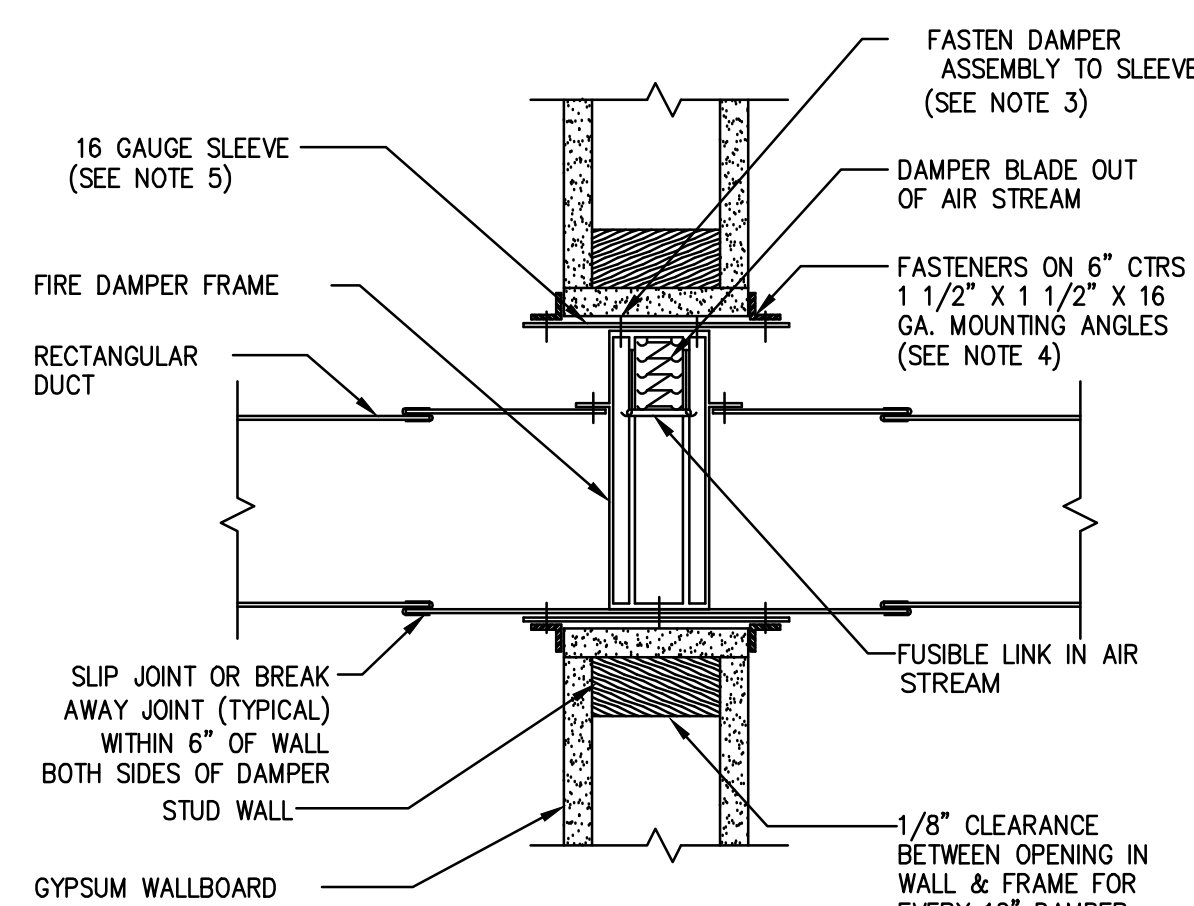
M7.01 SCALE: NONE



- NOTES:
- REFER TO "TYPICAL METHOD OF SECURING HANGER RODS DETAIL" FOR ATTACHING HANGERS TO THE STRUCTURE.
 - PROVIDE INSULATION SHIELD OR PIPE SADDLE BASED ON THE PIPING SYSTEM AND PIPE SIZE AS INDICATED IN THE SPECIFICATIONS.
 - TRAPEZE TYPE HANGER SHALL BE USED FOR A MAXIMUM 1000 LB. UNIFORM LOAD.

6 PIPING SUPPORT DETAIL

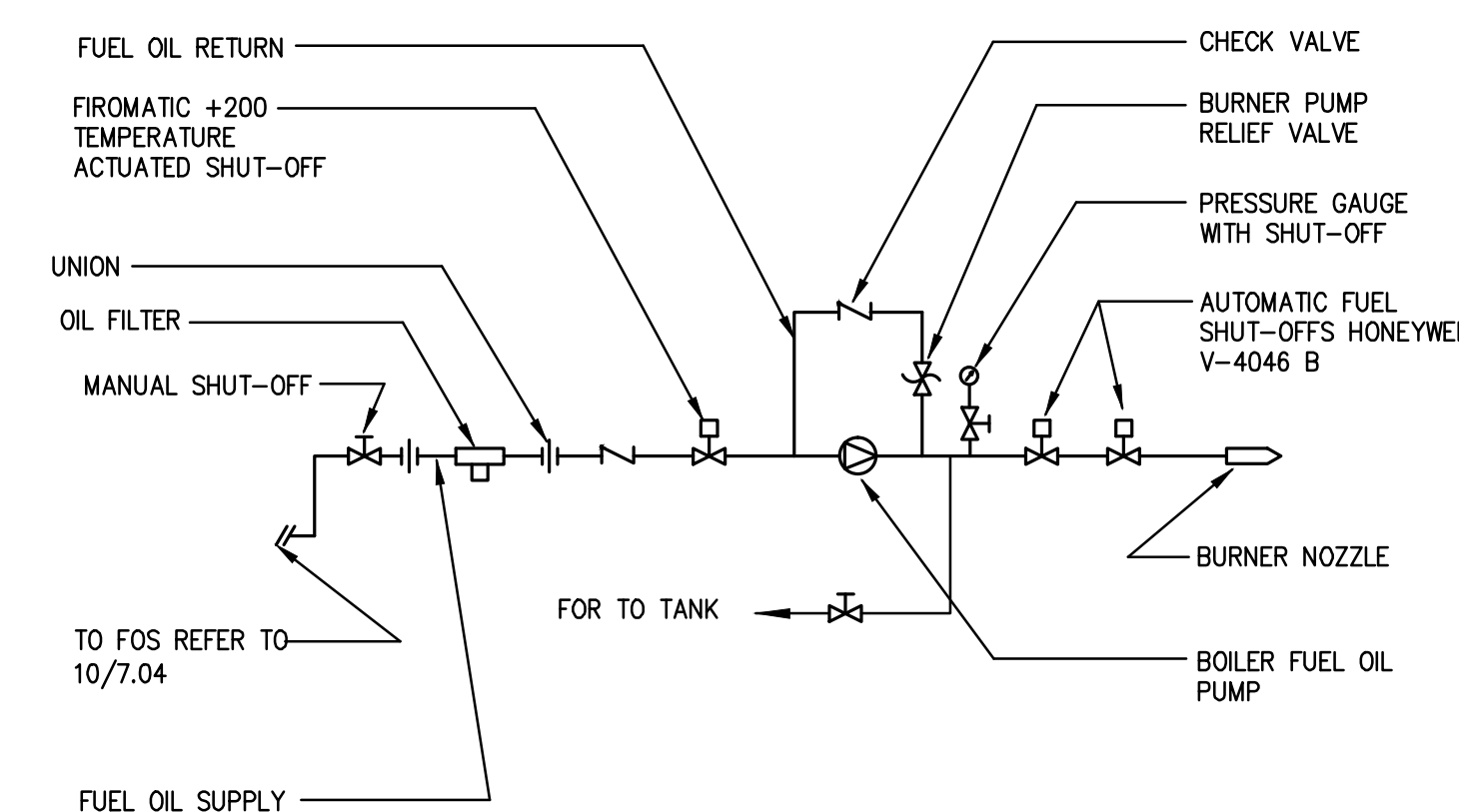
M7.01 SCALE: NONE



- NOTES:
- INSTALL ACCESS DOOR IN DUCT WITH FOR DAMPER ACCESS.
 - INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND NFPA-90A.
 - REFER TO SMACNA-"FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE FOR HVAC SYSTEMS" FOR FIRE DAMPER INSTALLATION DETAILS.
 - MOUNTING ANGLES SHALL BE 2" X 2" X 16 GA. FOR DAMPERS 48" OR LARGER IN WIDTH OR HEIGHT.
 - SLEEVE THICKNESS SHALL NOT BE LESS THAN THE GAUGE OF THE DUCT.

7 VERTICAL FIRE DAMPER INSTALLATION DETAIL RECTANGULAR DUCT

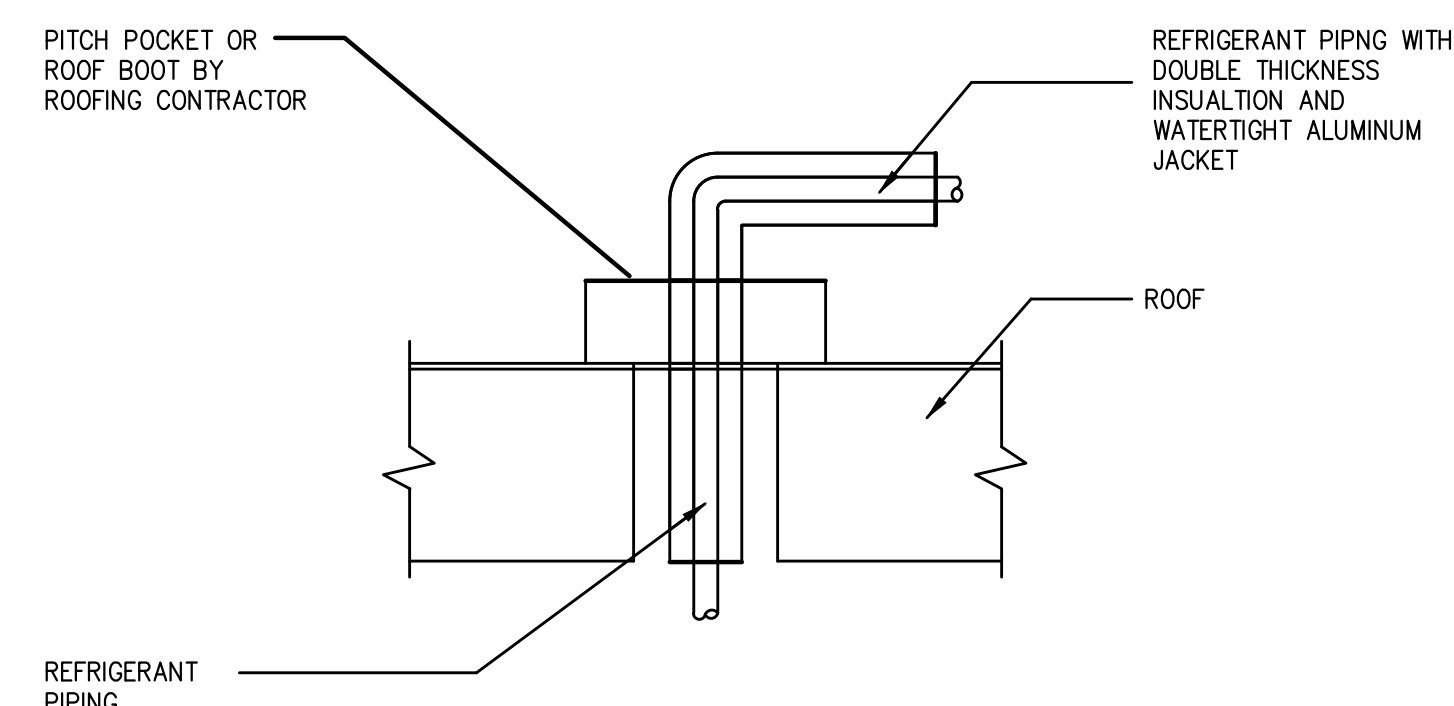
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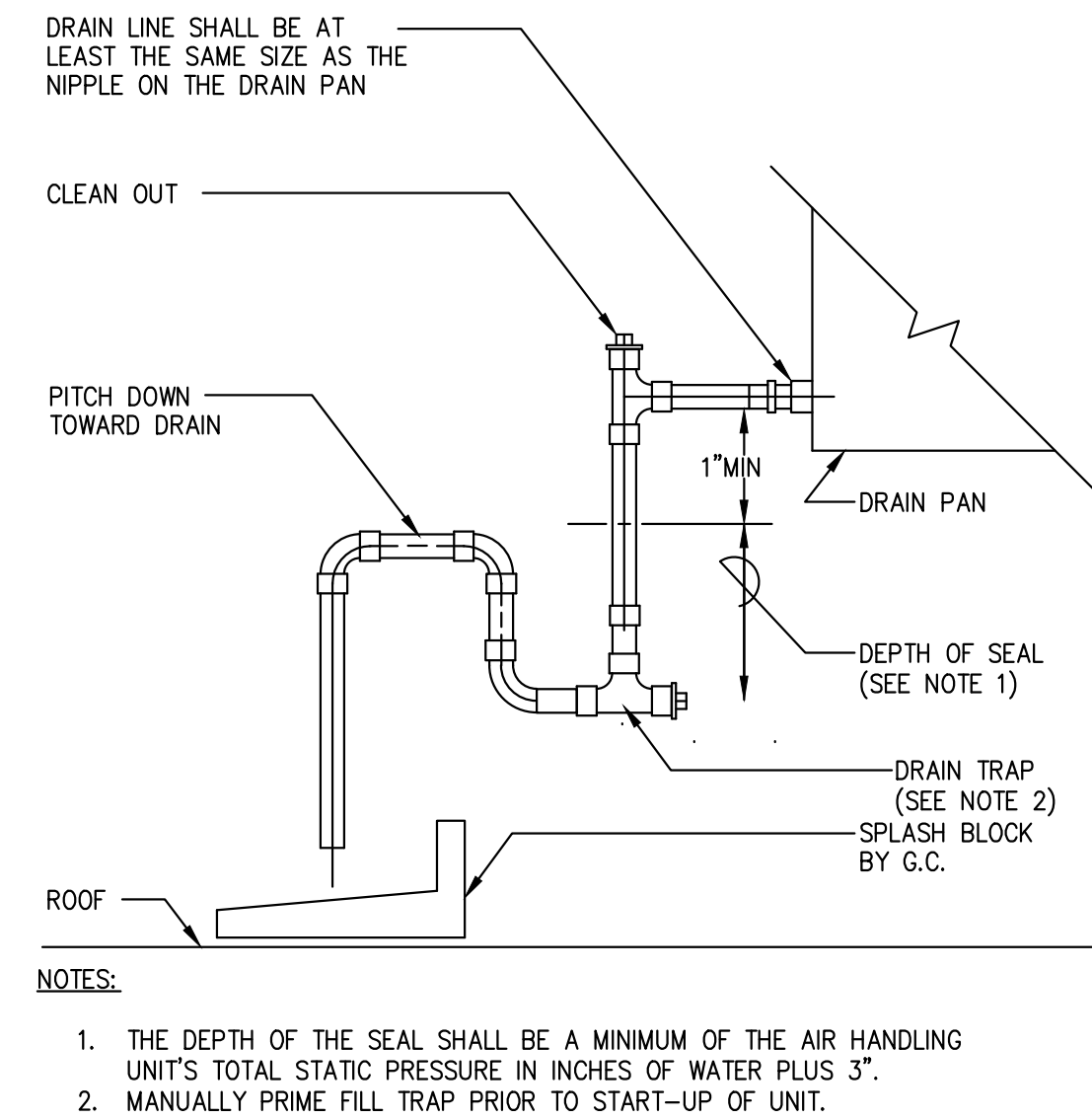
8 OIL PIPING TRAIN DETAIL

M7.01 NOT TO SCALE

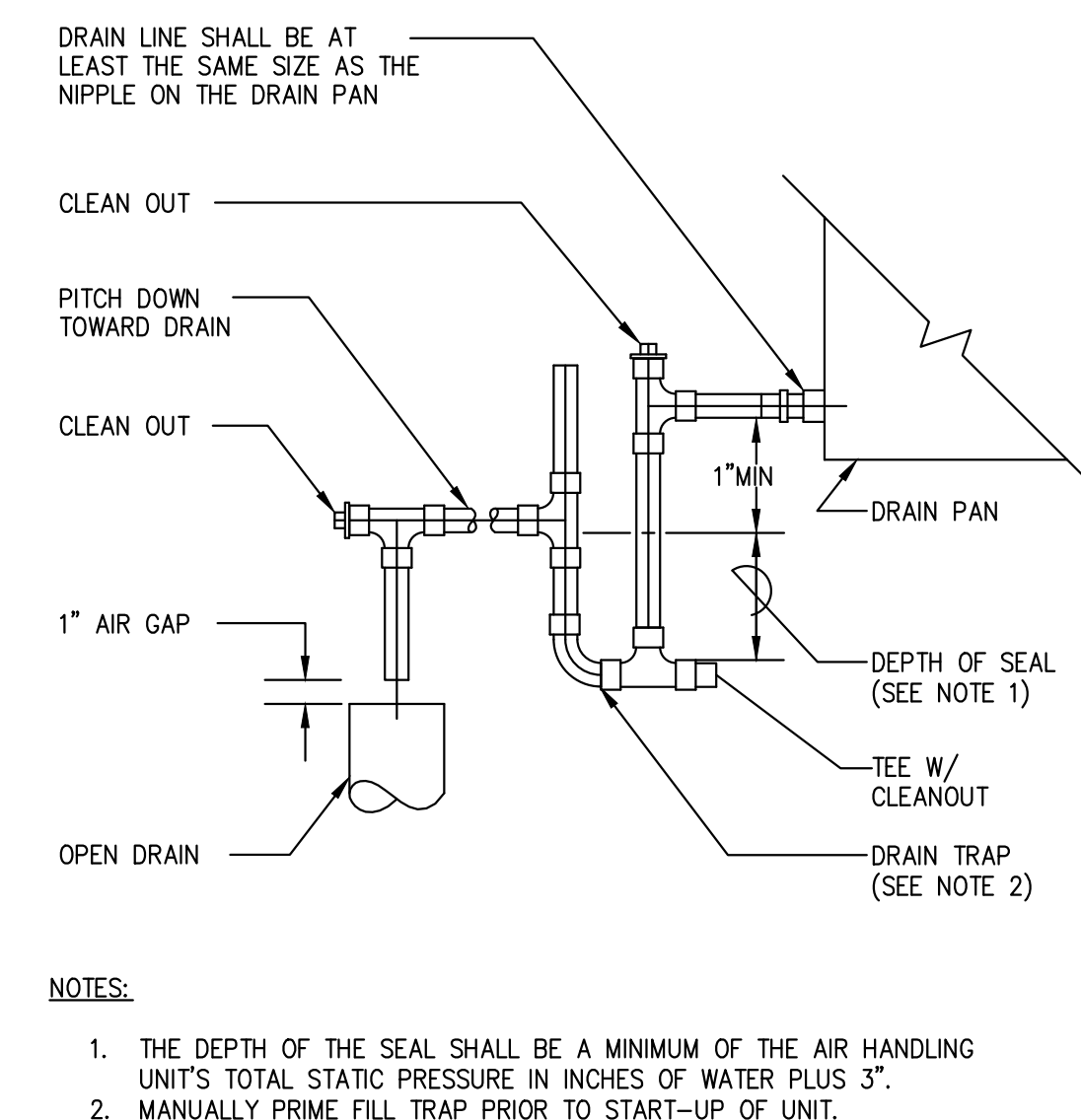
Drawing Title		STATE OF CONNECTICUT	
MECHANICAL DETAILS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NTS
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No. M7.01
CAD No.	0532 M-MECH DETAILS.DWG	Project No.	BI-RT-843



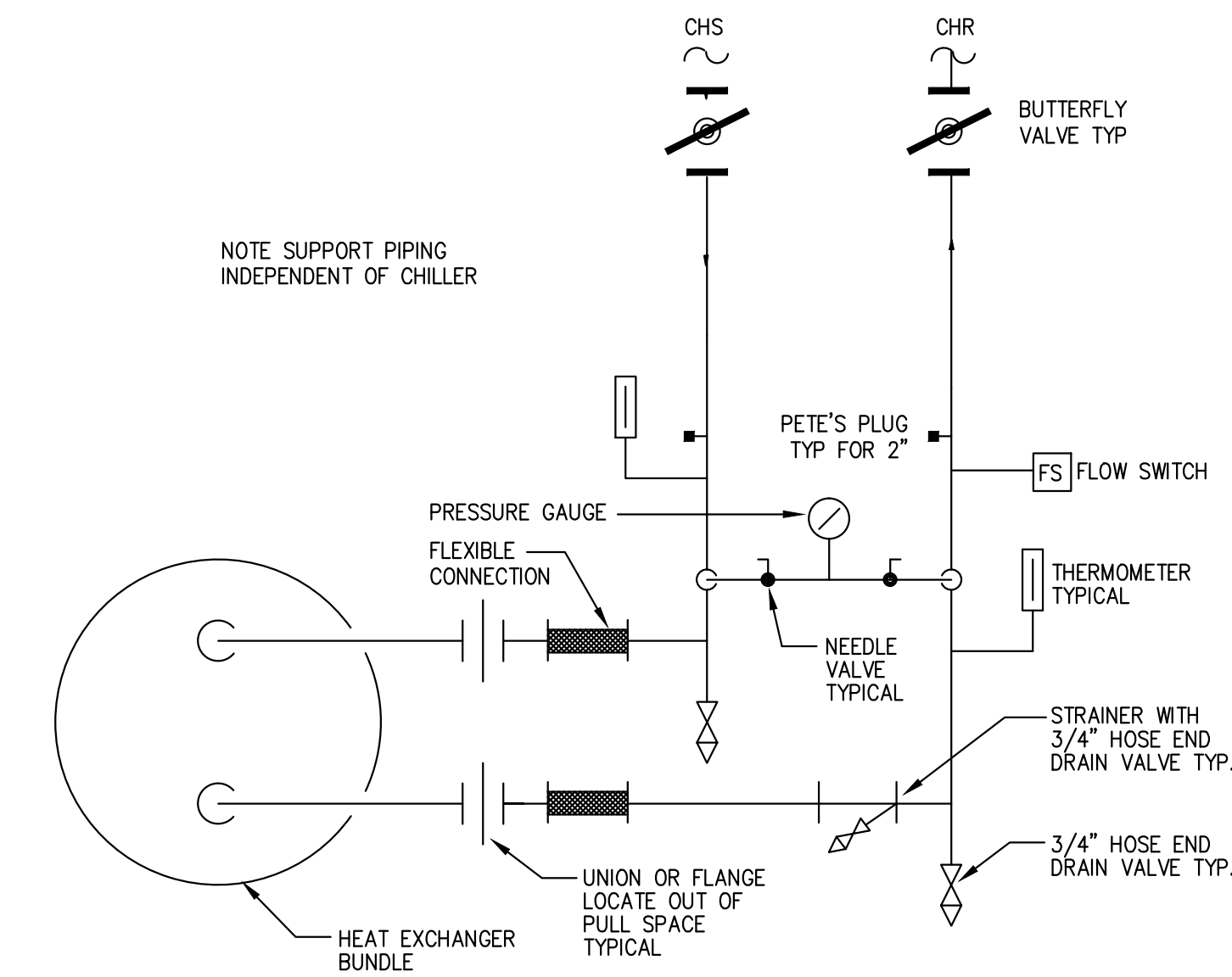
4 ROOF CURB FOR REFRIGERANT PIPING THROUGH ROOF DETAIL
M7.02 SCALE: NONE



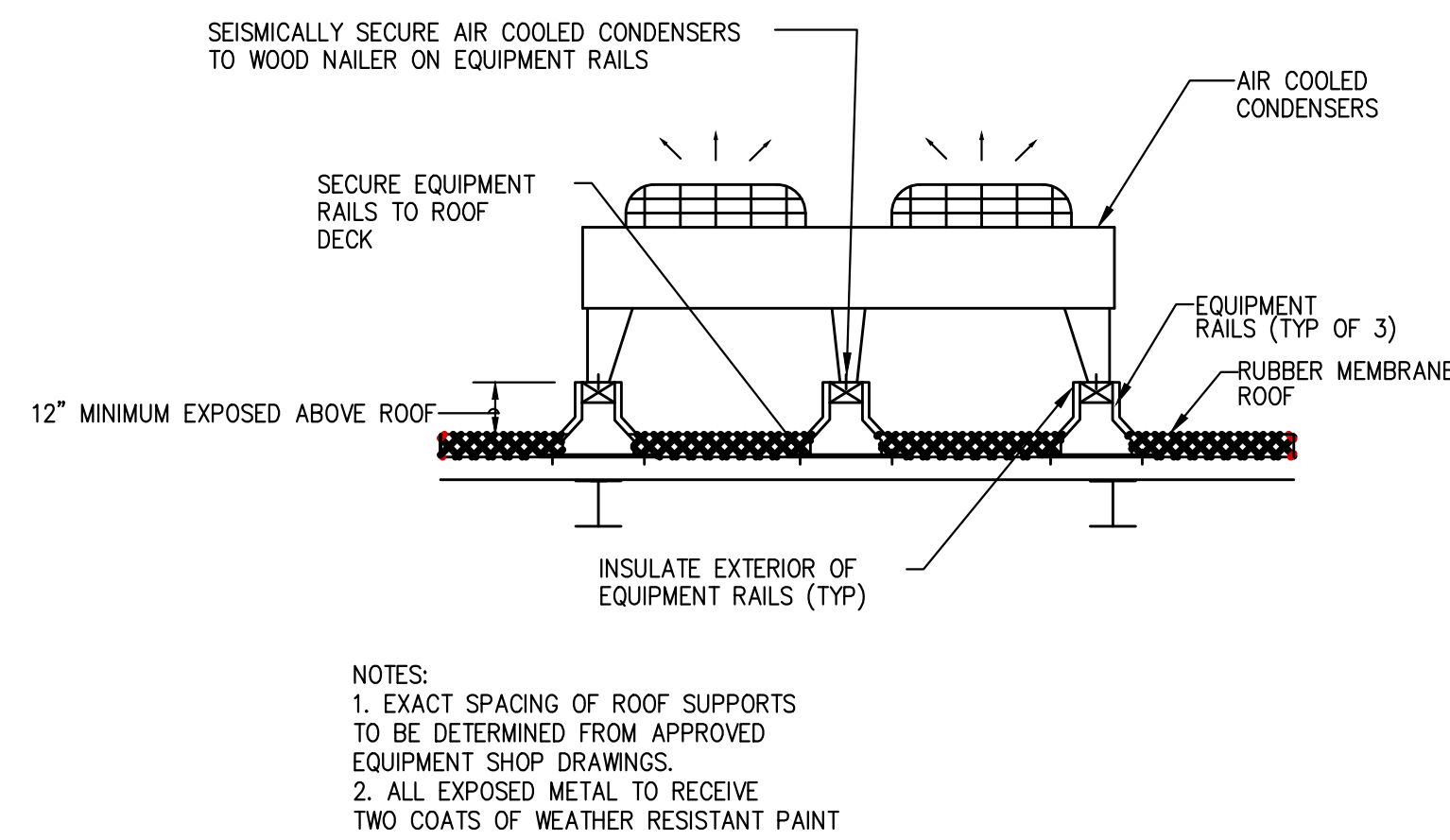
3 ROOFTOP AIR HANDLING DRAIN TRAP DETAIL
M7.02 SCALE: NONE



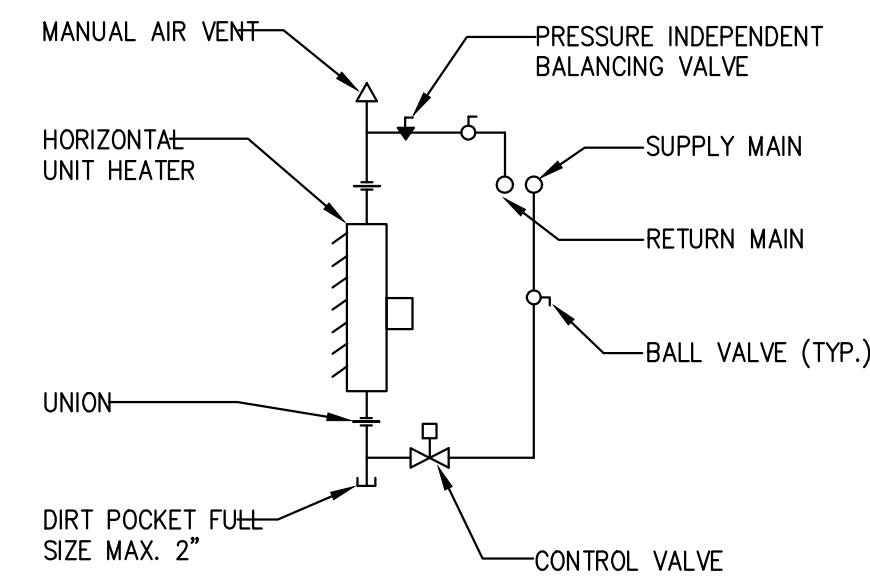
2 AIR HANDLING UNIT COOLING COIL DRAIN TRAP DETAIL
M7.02 SCALE: NONE



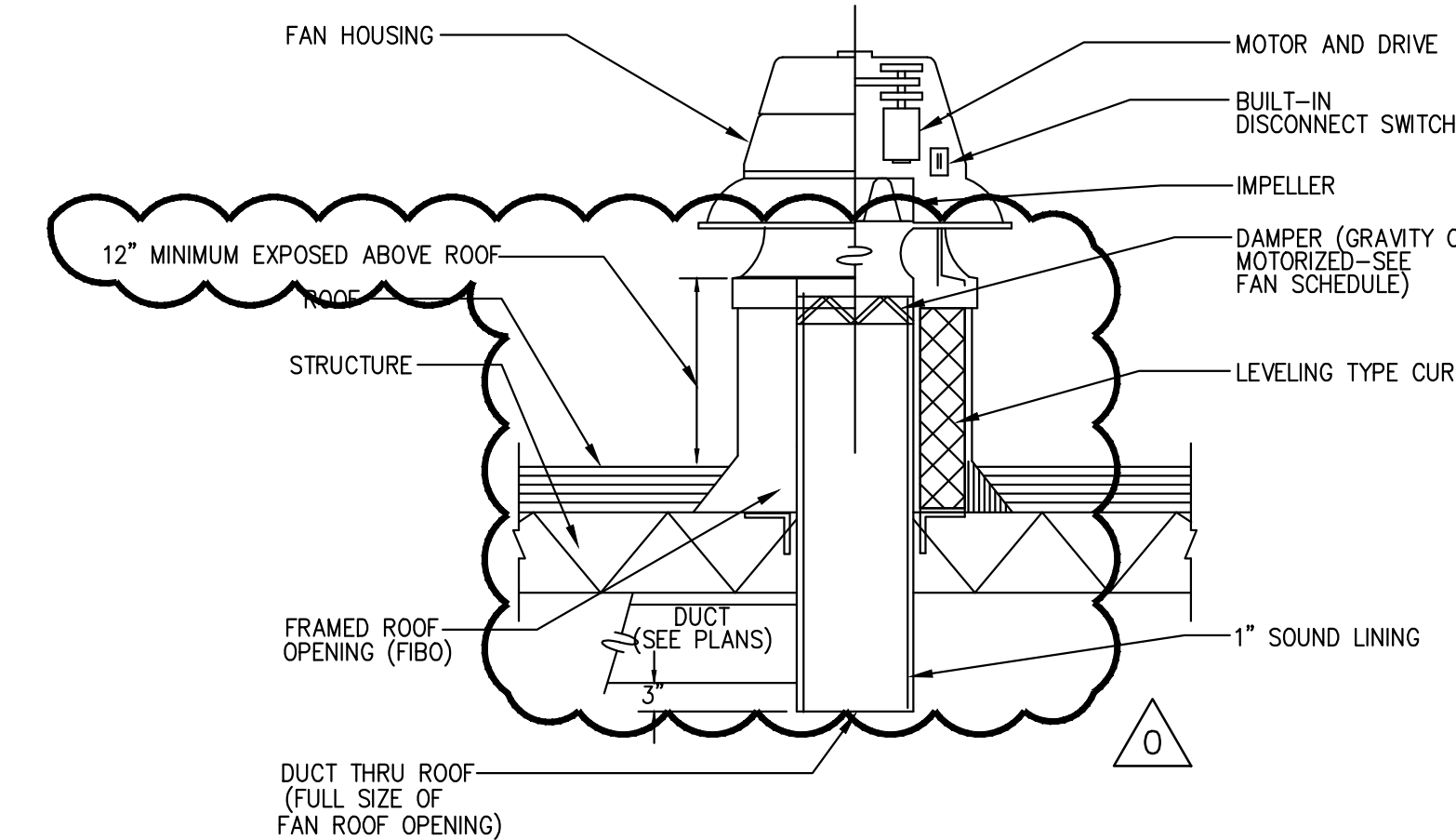
1 AIR COOLED CHILLER PIPING DETAIL
M7.02 SCALE: NONE



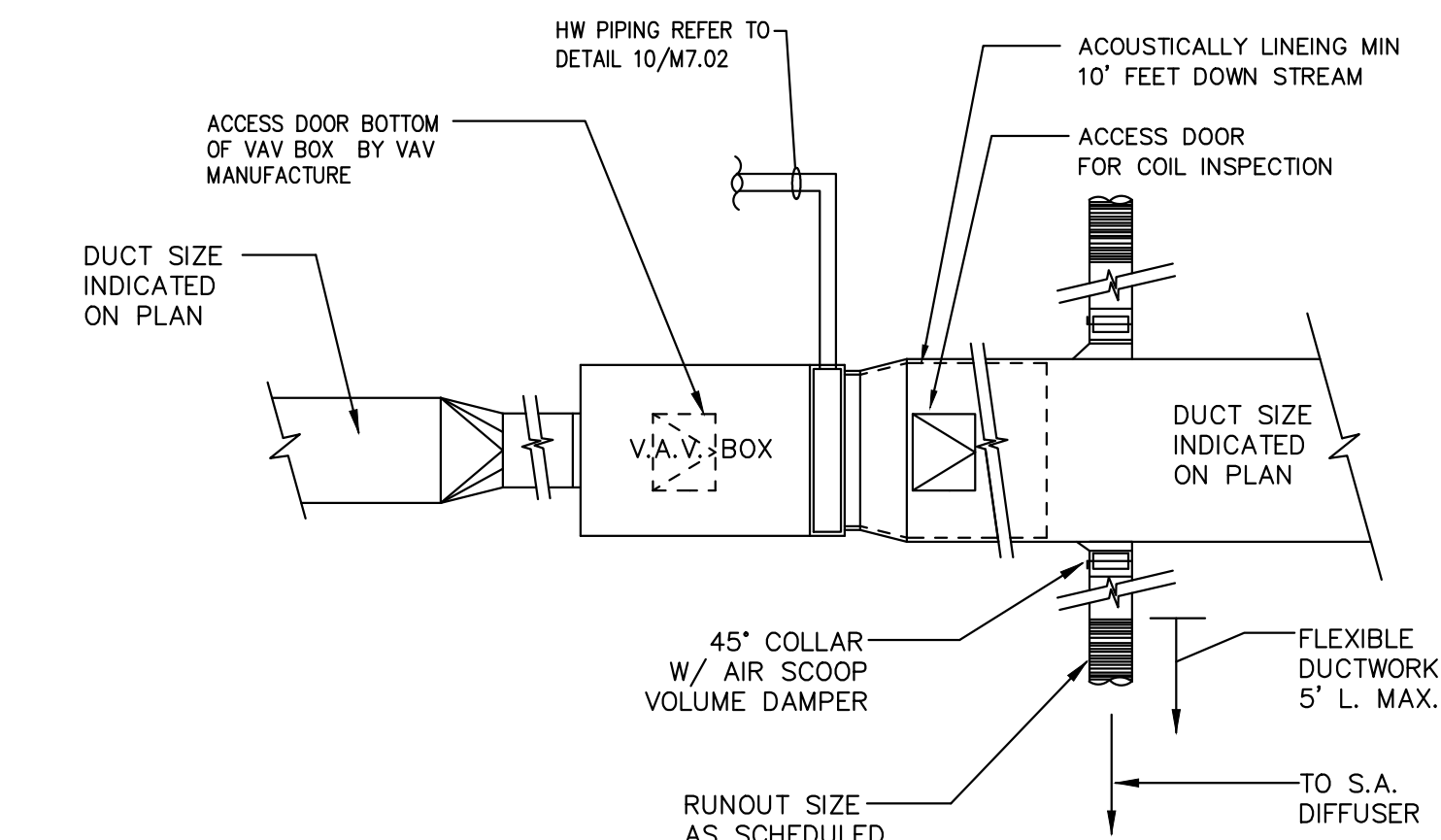
8 AIR COOLED CONDENSER UNIT INSTALLATION SUPPORT DETAIL
M7.02 SCALE: NONE



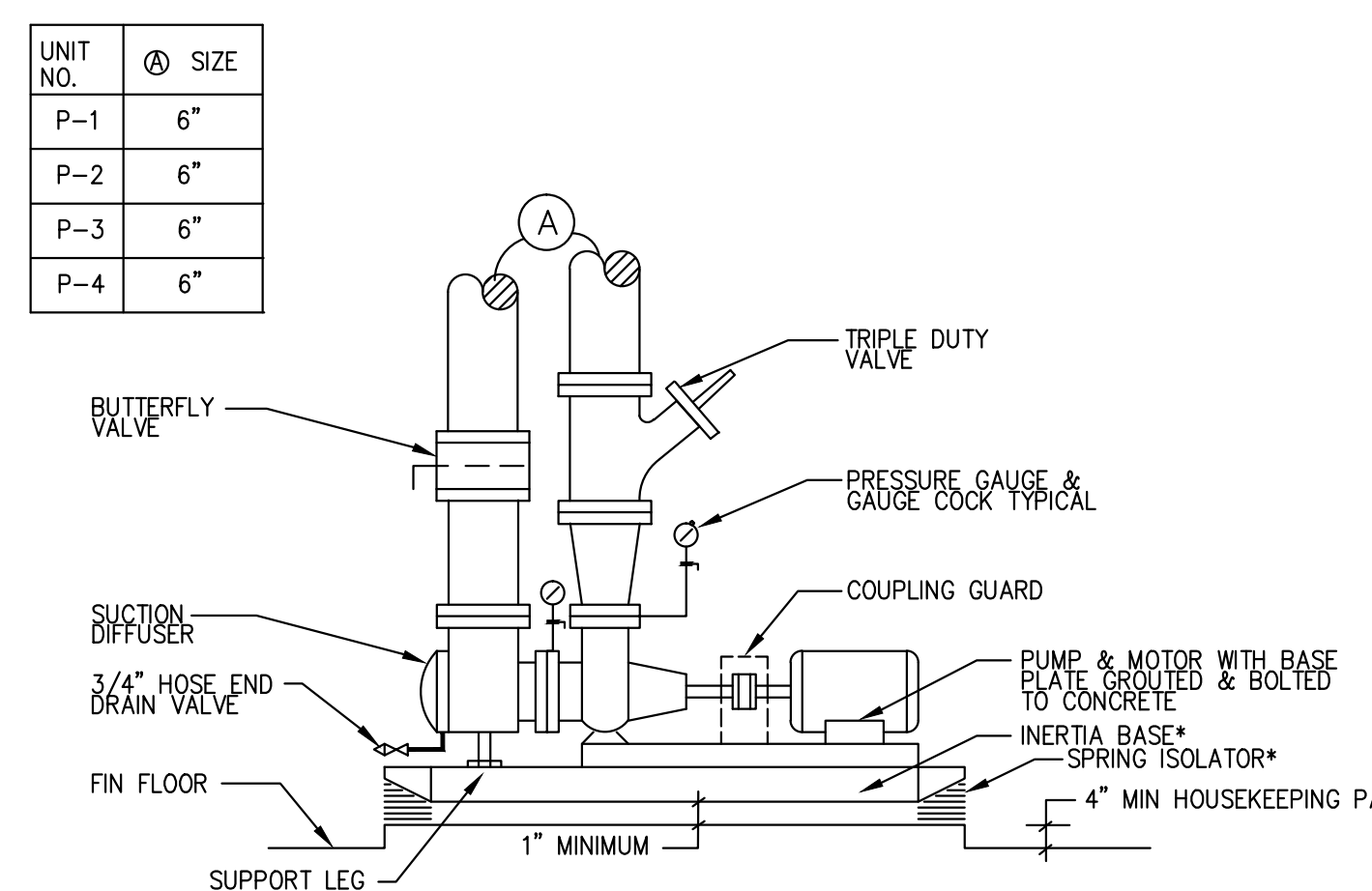
7 HOT WATER UNIT HEATER PIPING DETAIL
M7.02 SCALE: NONE



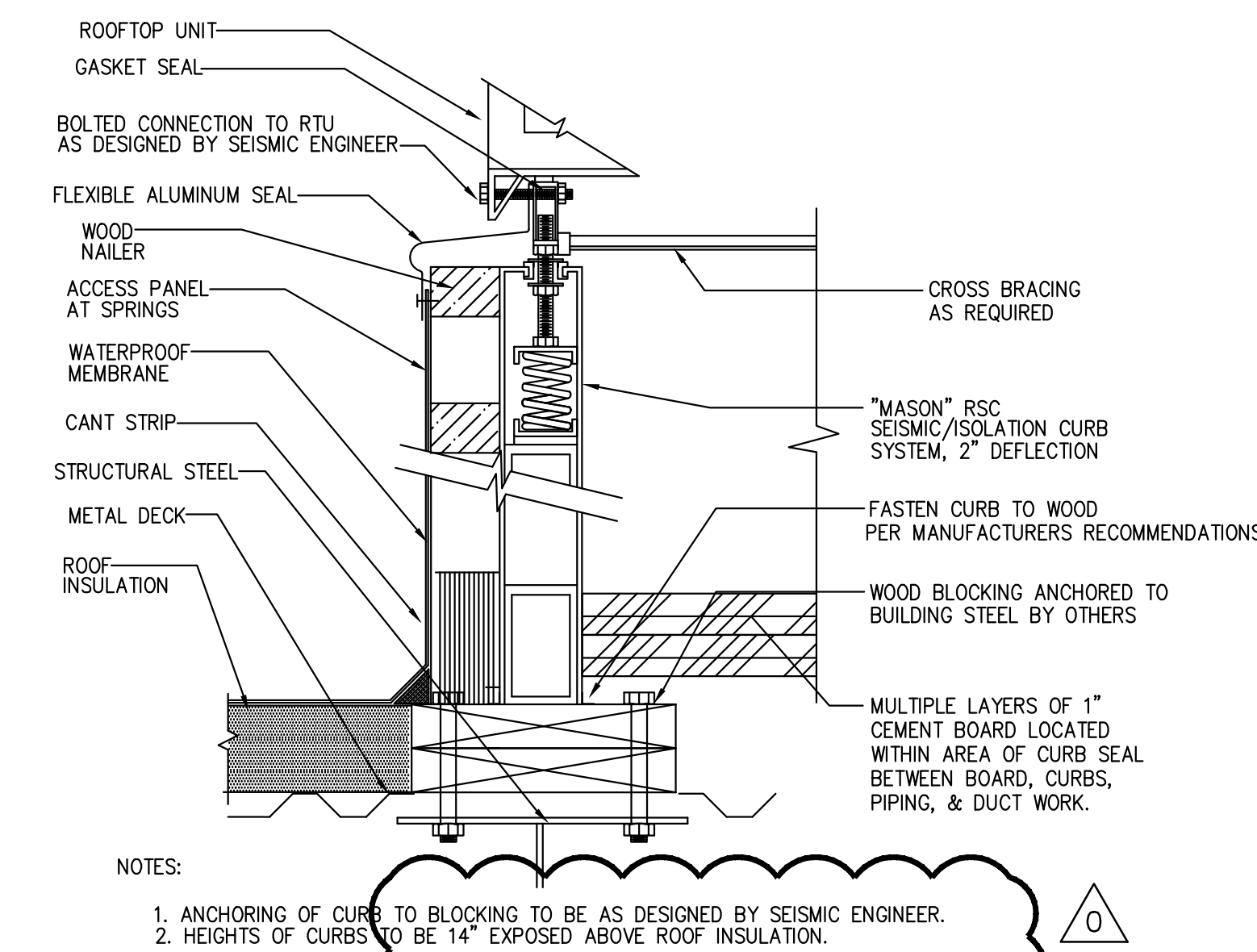
6 ROOF CURB MOUNTED EXHAUST FAN DETAIL
M7.02 SCALE: NONE



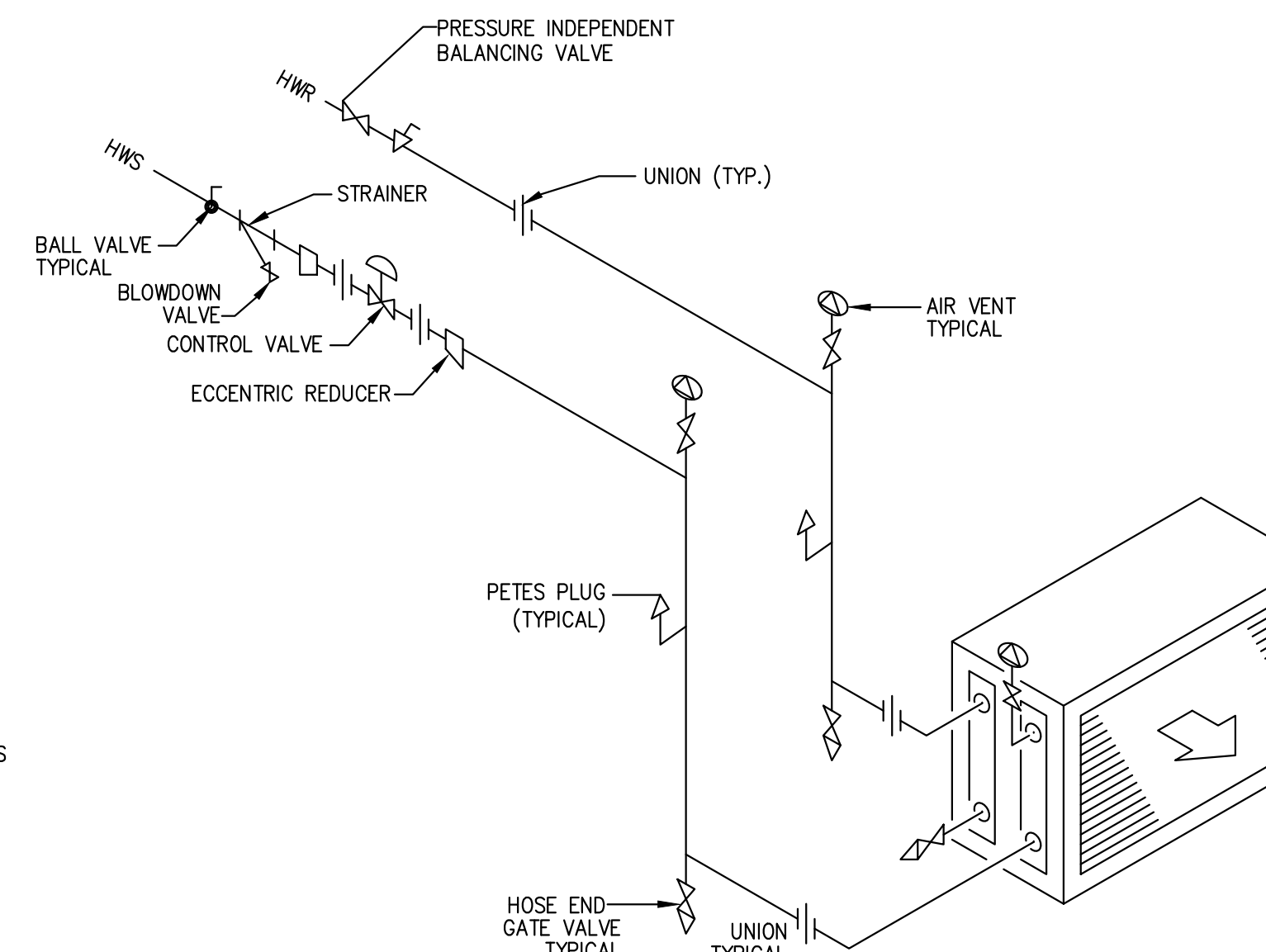
5 TYPICAL V.A.V. BOX DETAIL
M7.02 SCALE: NONE



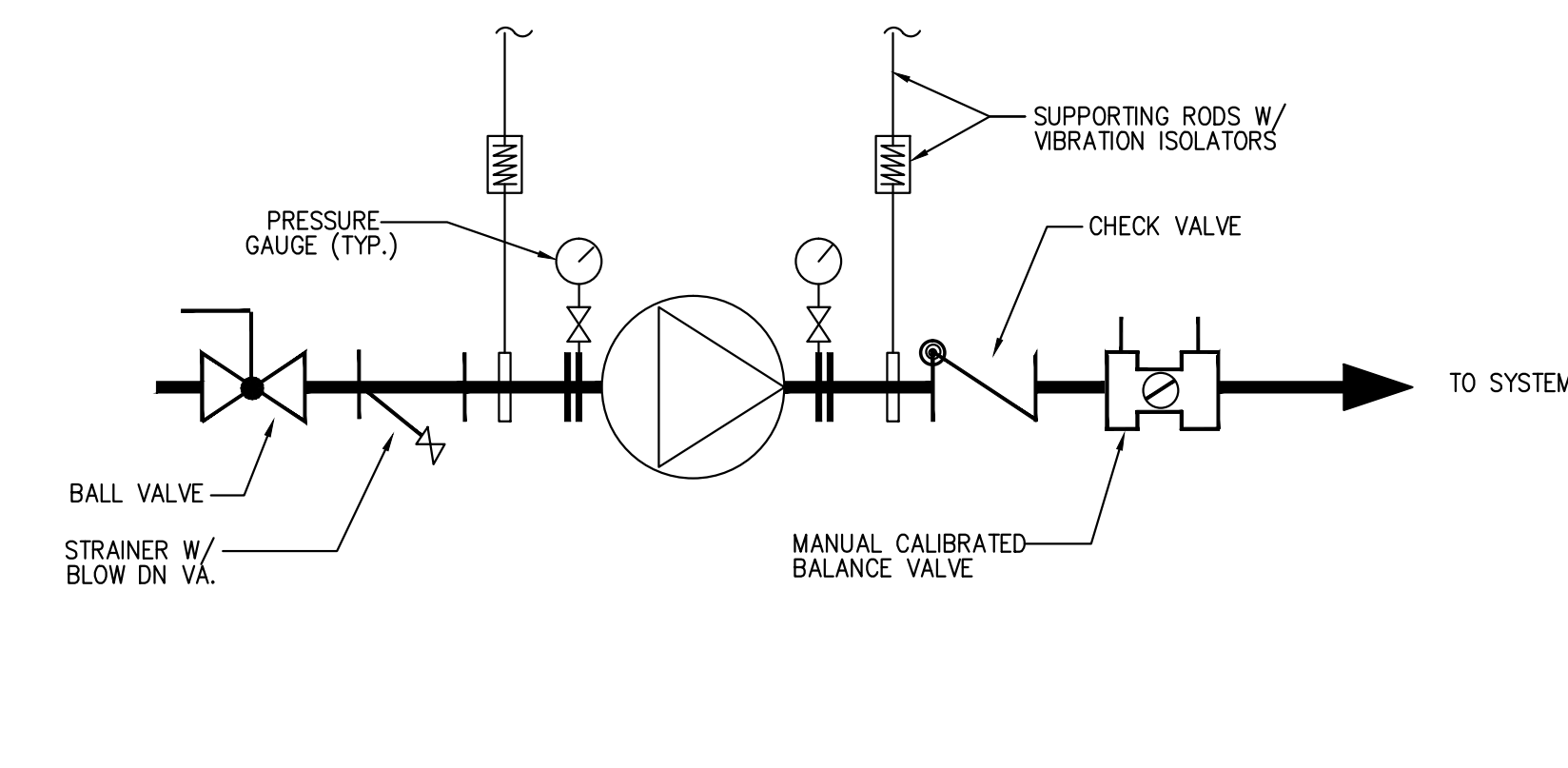
12 END SUCTION PUMP
M7.02 SCALE: NONE



11 ROOFTOP UNIT ISOLATION SEISMIC CURB
M7.02 SCALE: NONE

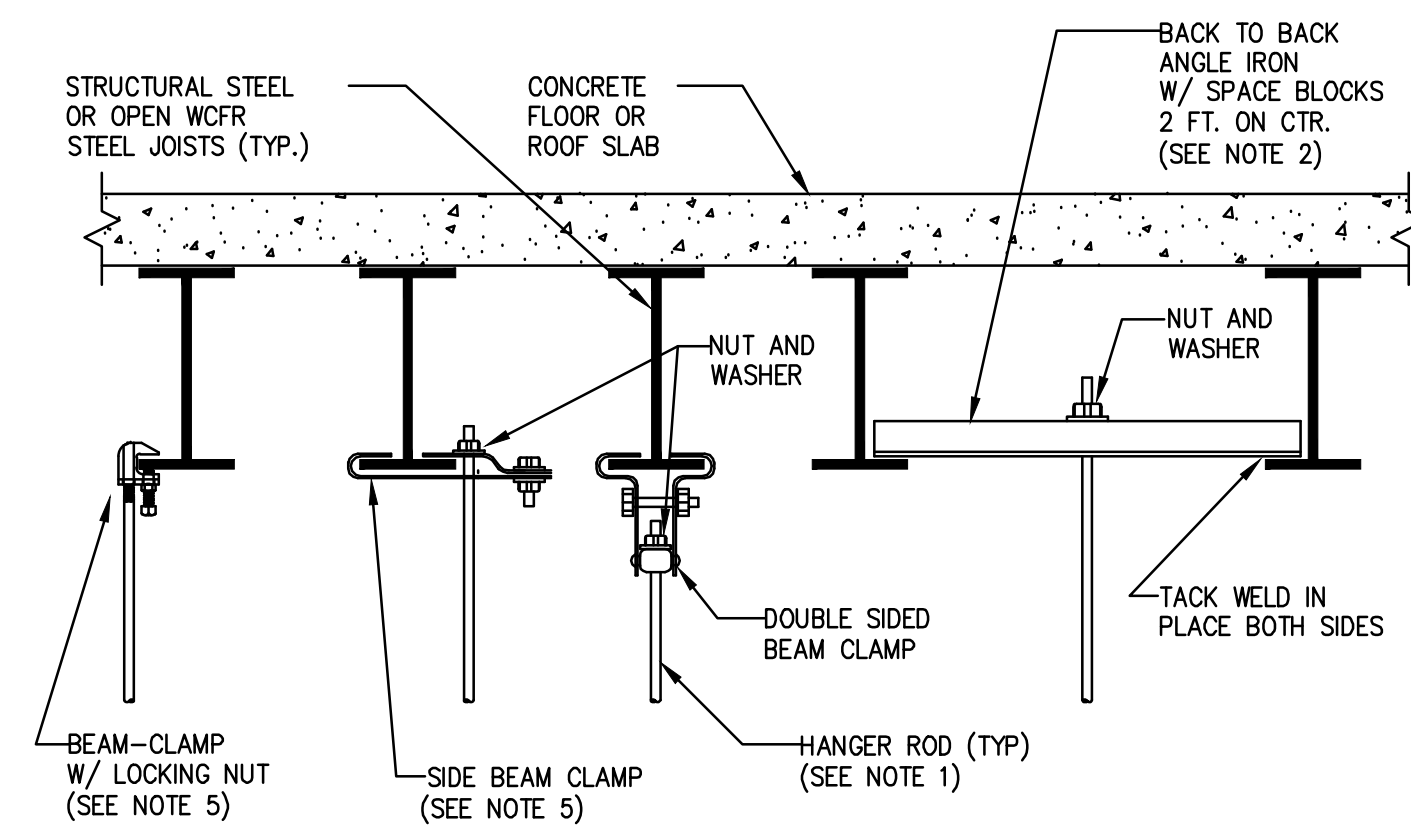


10 VAV HOT WATER HEATING COIL
M7.02 SCALE: NONE



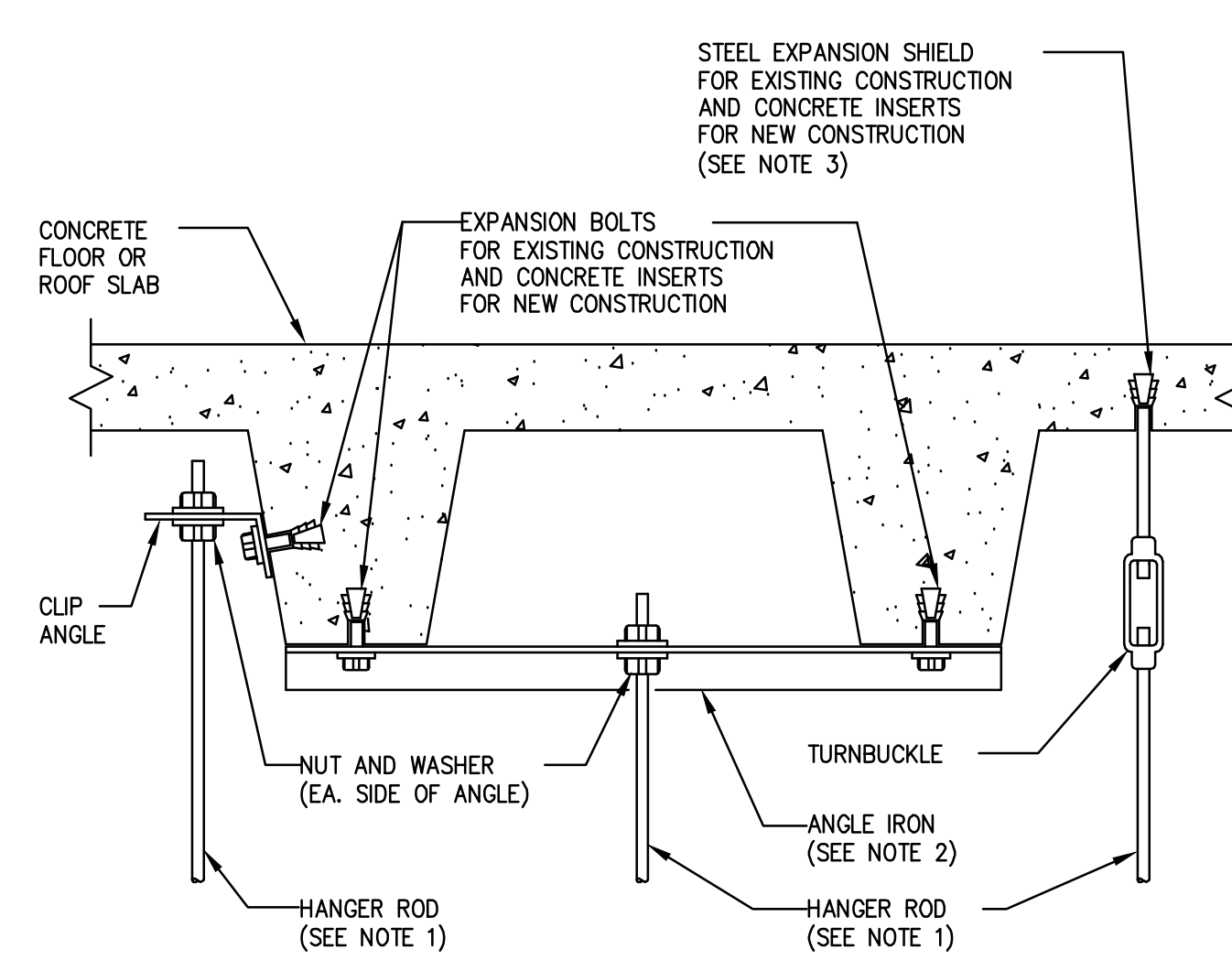
9 INLINE PUMP DETAIL
M7.02 SCALE: NONE

Drawing Title		STATE OF CONNECTICUT	
MECHANICAL DETAILS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	NTS
		Project	Drawn By
		H.C. Wilcox Technical High School	RDV
		Meriden, CT	Approved By
			CFR
			Drawing No.
			M7.02
CAD No.	0532 M-MECH DETAILS.DWG	Project No.	BI-RT-843



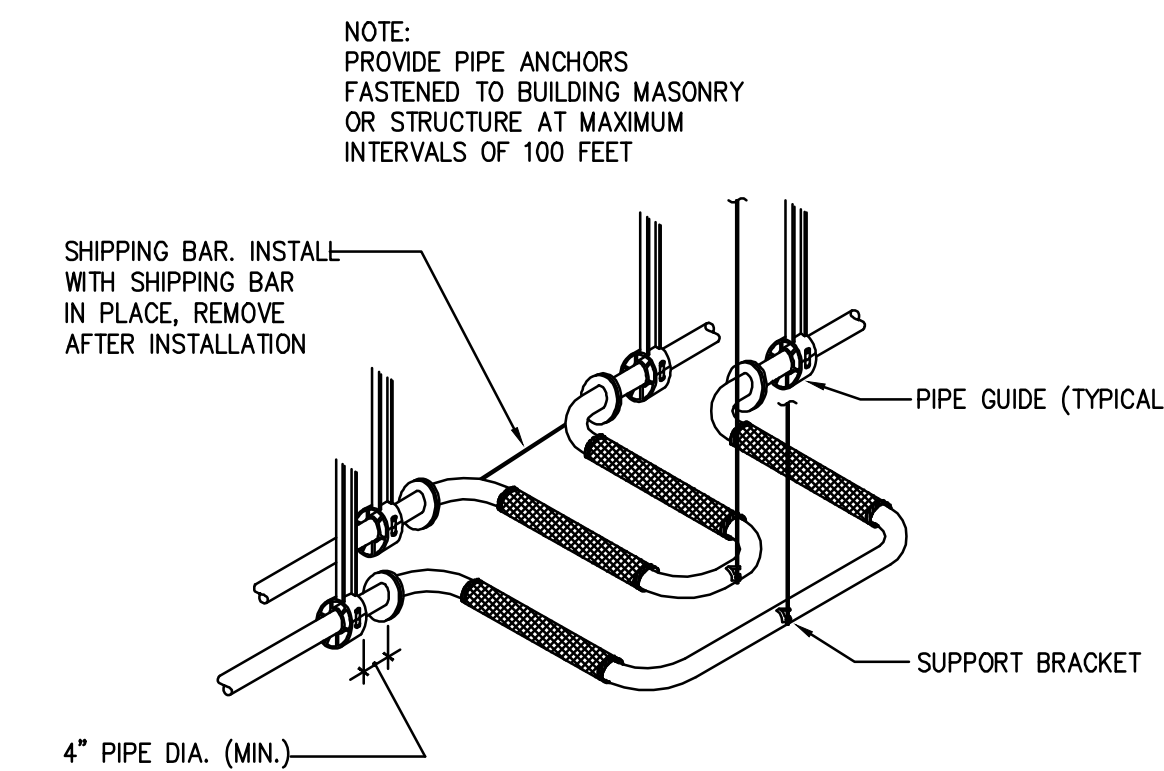
- NOTE:
- REFER TO SPECIFICATIONS FOR PIPE HANGER ROD SIZE. FOR CEILING SUSPENDED EQUIPMENT PROVIDE MIN. 3/8" DIA. HANGER ROD (REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS).
 - FOR PIPES UNDER 2" USE A SINGLE 1-1/2"x1-1/2"x1/4" ANGLE IRON WITH DOUBLE NUTTED C-CLAMP. FOR PIPES 2-1/2" AND LARGER USE 3"x3"x1/4" ANGLE IRON BACK TO BACK AS SHOWN.
 - REFER TO "TYPICAL METHOD OF SECURING HANGER RODS TO CONCRETE DECK DETAIL" FOR ATTACHING HANGER RODS TO CONCRETE DECK.
 - REPAIR OF FIREPROOFING IN ORDER TO FACILITATE THE INSTALLATION OF HANGER RODS IN EXISTING CONSTRUCTION SHALL BE BY THE G.C.
 - USE OF SIDE BEAM CLAMPS IS LIMITED TO PIPING 2-1/2" AND UNDER. PROVIDE RETAINER CLIP

4 TYPICAL METHOD OF SECURING HANGER RODS TO STRUCTURAL STEEL DETAIL
M7.03 SCALE: NONE

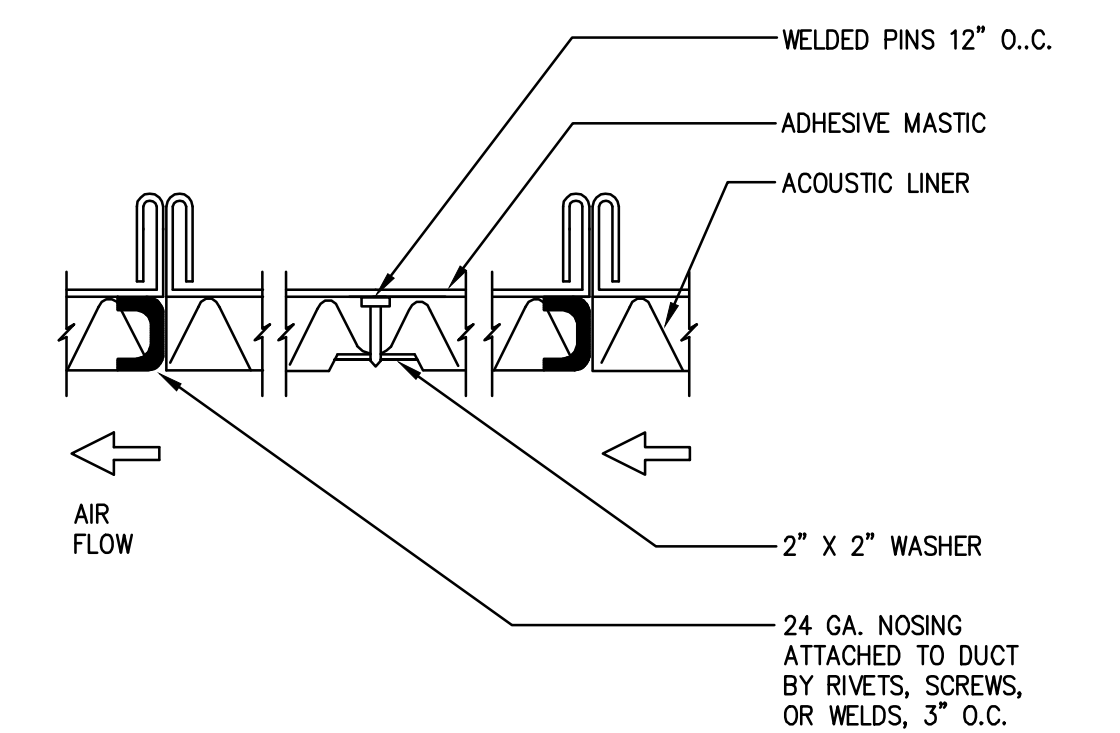


- NOTE:
- REFER TO PIPE HANGER DETAIL FOR HANGER ROD SIZE. FOR CEILING SUSPENDED EQUIPMENT PROVIDE MIN. 3/8" DIA. HANGER ROD (REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS).
 - FOR PIPES UNDER 2" USE 1-1/2"x1-1/2"x1/4" ANGLE IRON. FOR PIPES 2" AND LARGER USE 3"x3"x1/4" ANGLE IRON.
 - EXPANSION SHIELDS SHALL BE ONLY USED IN SLABS OR BEAMS OF 4" MIN. DEPTH.

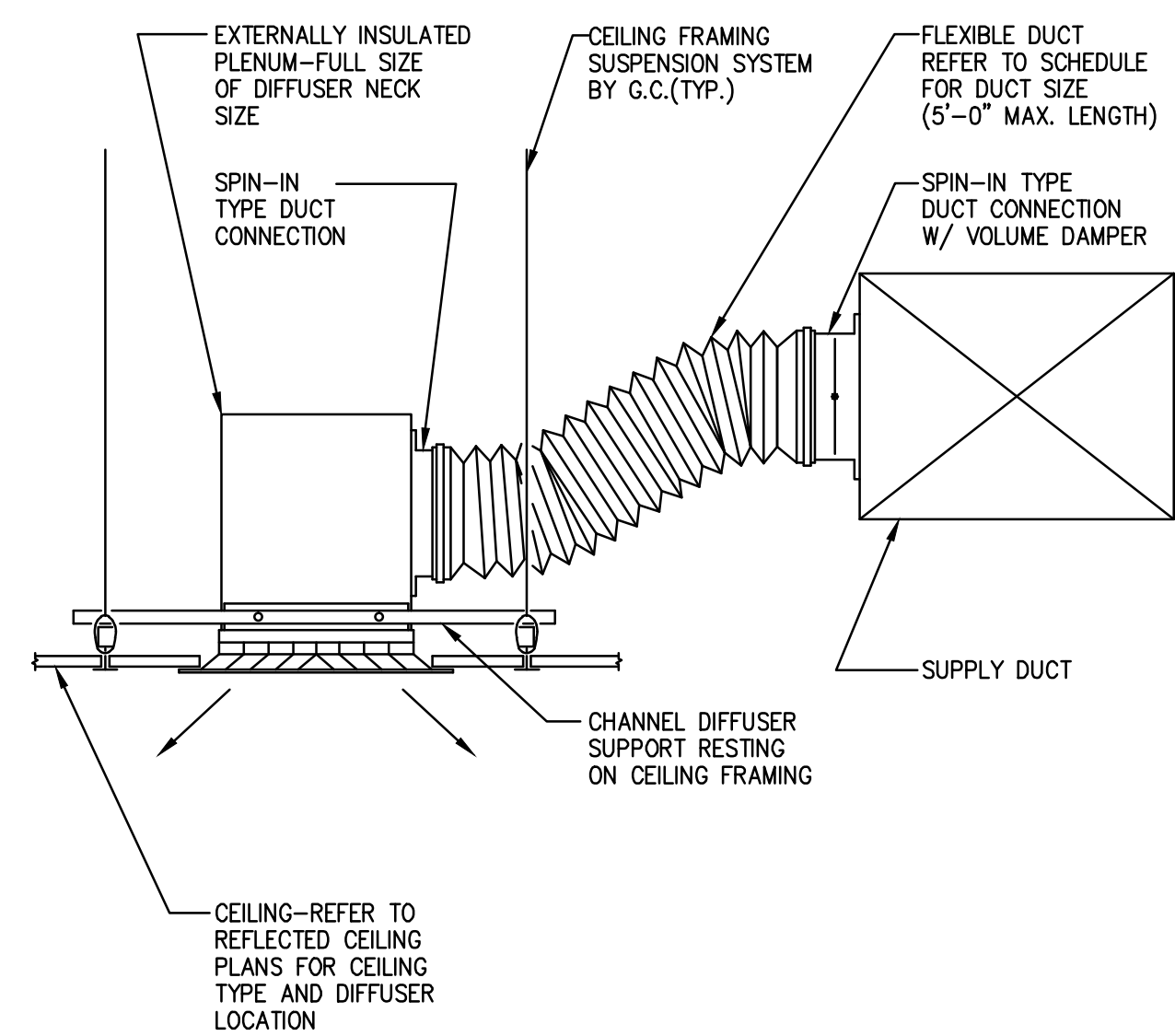
3 TYPICAL METHODS OF SECURING HANGER RODS TO CONCRETE DECK DETAIL
M7.03 SCALE: NONE



2 FLEXIBLE EXPANSION/SEISMIC LOOP DETAIL
M7.03 SCALE: NONE

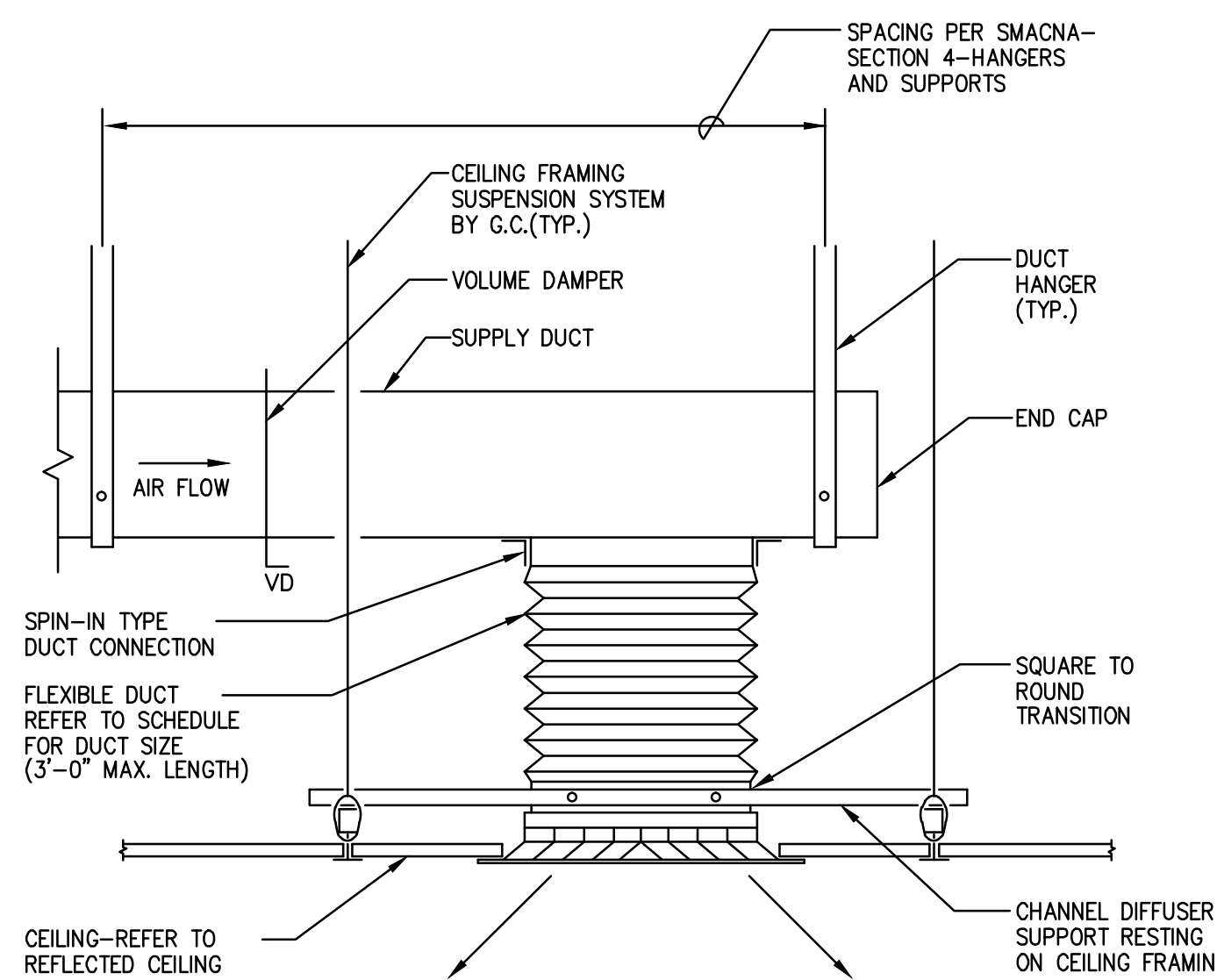


1 DETAIL OF ACOUSTIC LINING
M7.03 SCALE: NONE



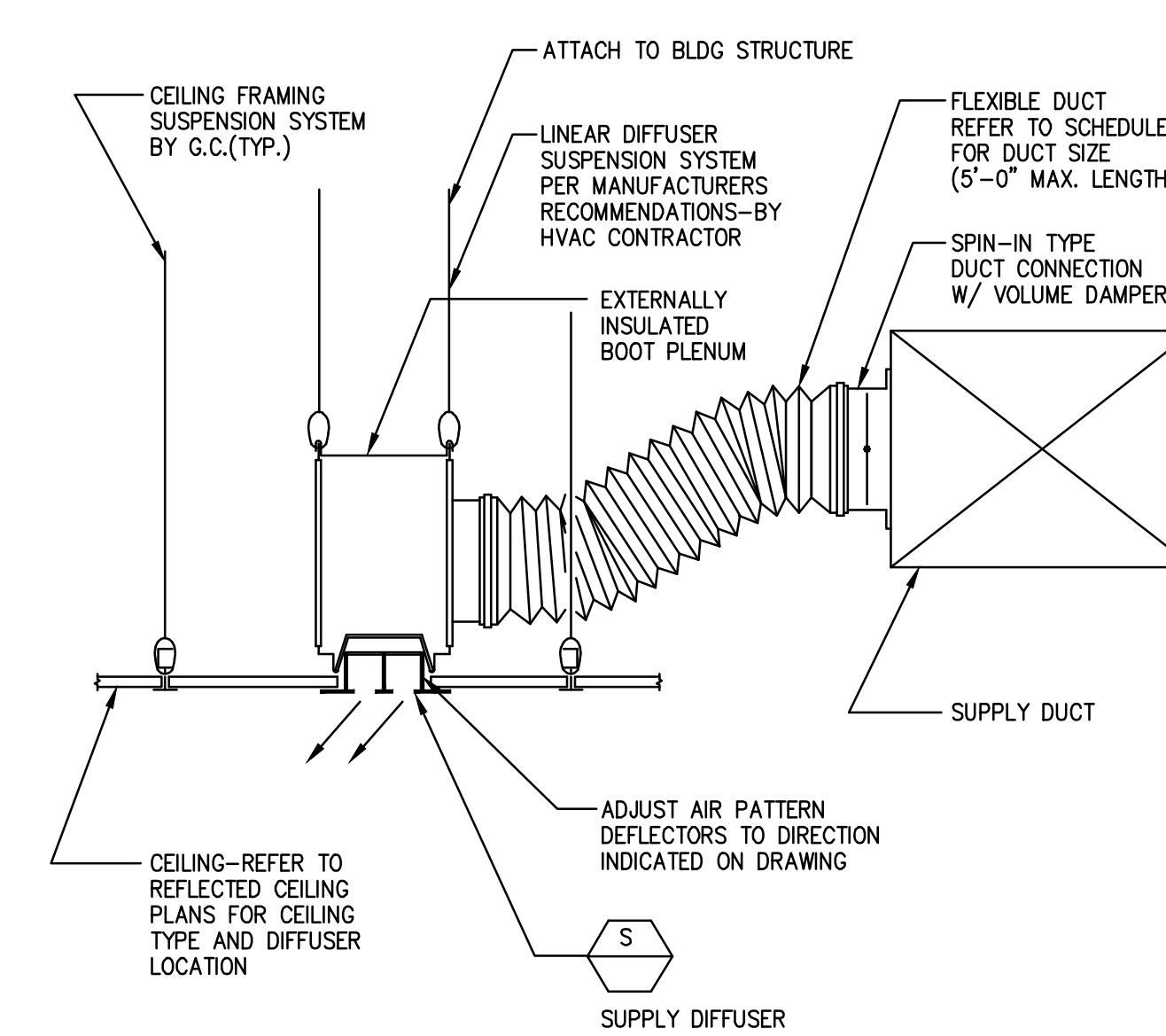
- NOTE:
- INSTALL FLEXIBLE DUCTWORK PER SECTION 3-SMACNA DUCT CONSTRUCTION STANDARDS.

8 TYPICAL SUPPLY DIFFUSER WITH PLENUM
M7.03 SCALE: NONE



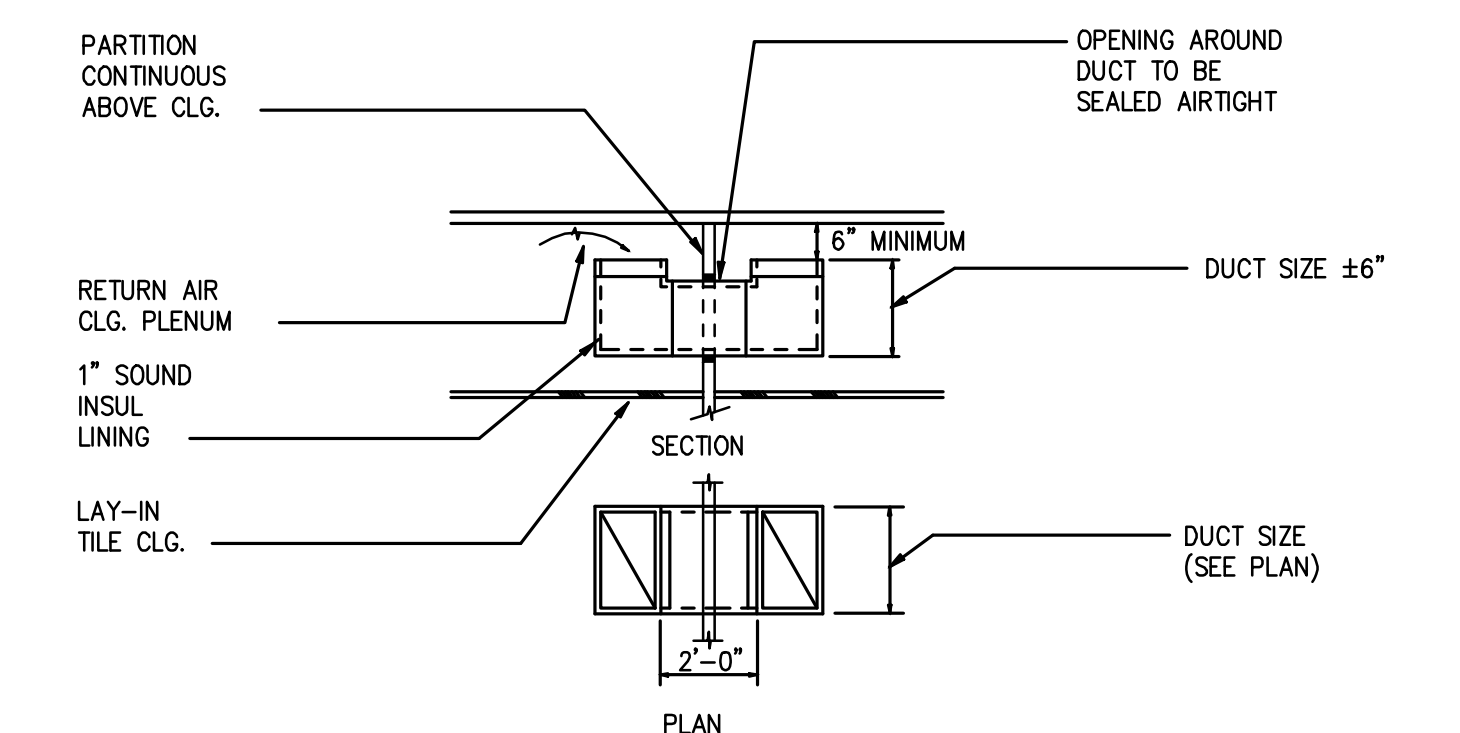
- REMARKS:
- MOST TYPICAL TYPE OF DIFFUSER DETAIL COULD BE USED ON MOST PROJECTS. PROVIDE DIFFUSER WITH OPPOSED BLADE DAMPER WHERE INSTALLED IN HARD INACCESSIBLE CEILING.

7 TYPICAL SUPPLY DIFFUSER DETAIL WITH FLEXIBLE DUCT CONNECTION
M7.03 SCALE: NONE

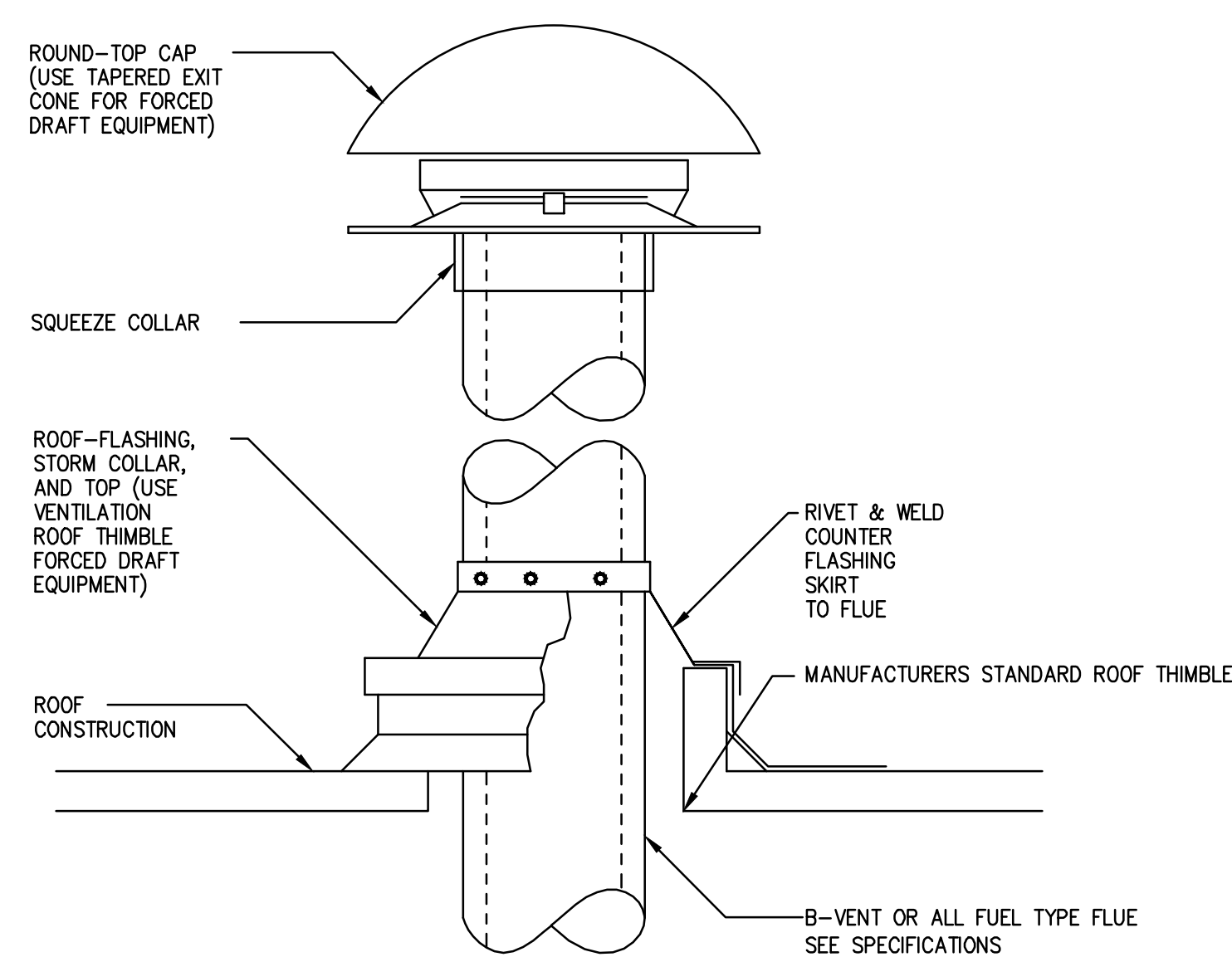


- NOTES:
- INSTALL REGISTER PER MANUFACTURERS RECOMMENDATIONS AND SMACNA DUCT CONSTRUCTION STANDARDS.
 - INSTALL FLEXIBLE DUCTWORK PER SECTION 3-SMACNA DUCT CONSTRUCTION STANDARDS.

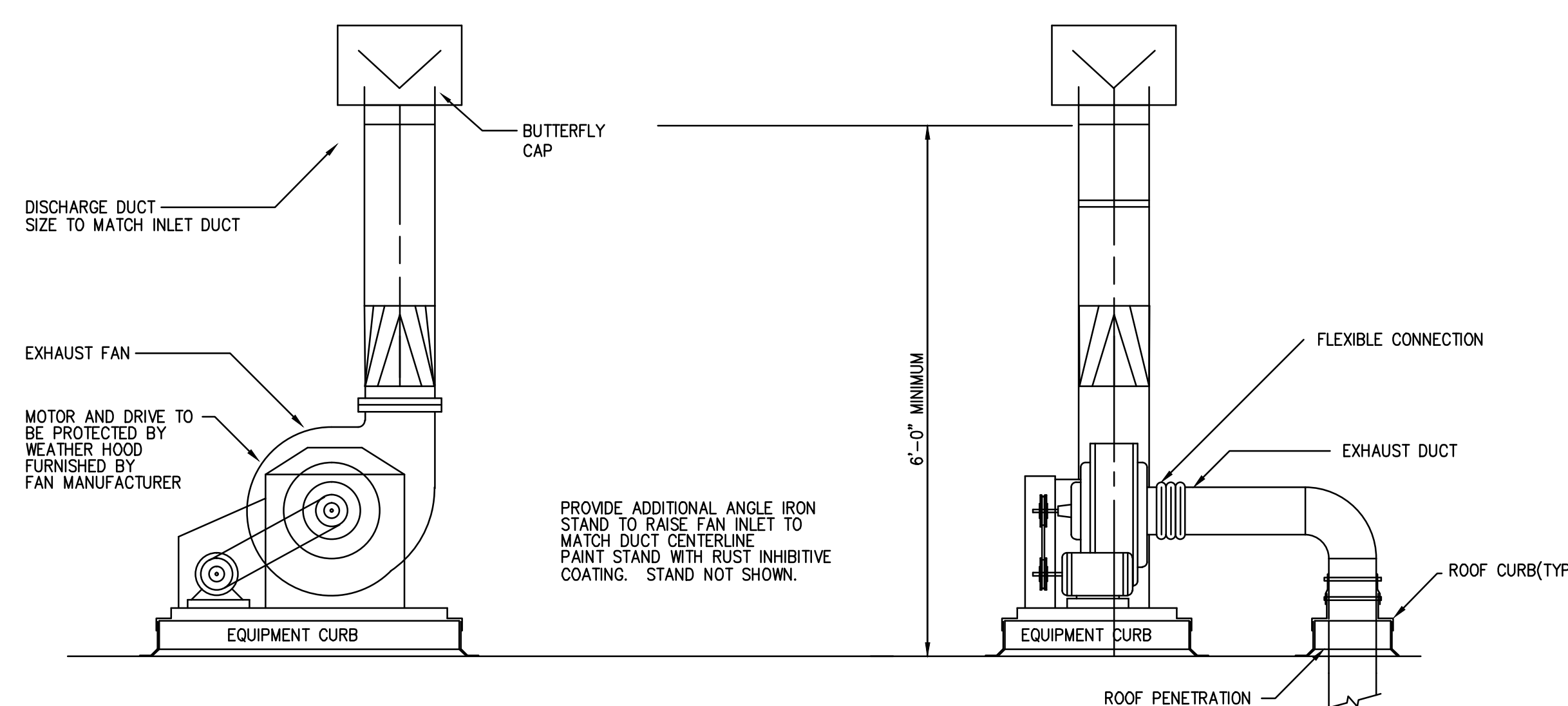
6 TYPICAL LINEAR SUPPLY DIFFUSER WITH PLENUM DETAIL
M7.03 SCALE: NONE



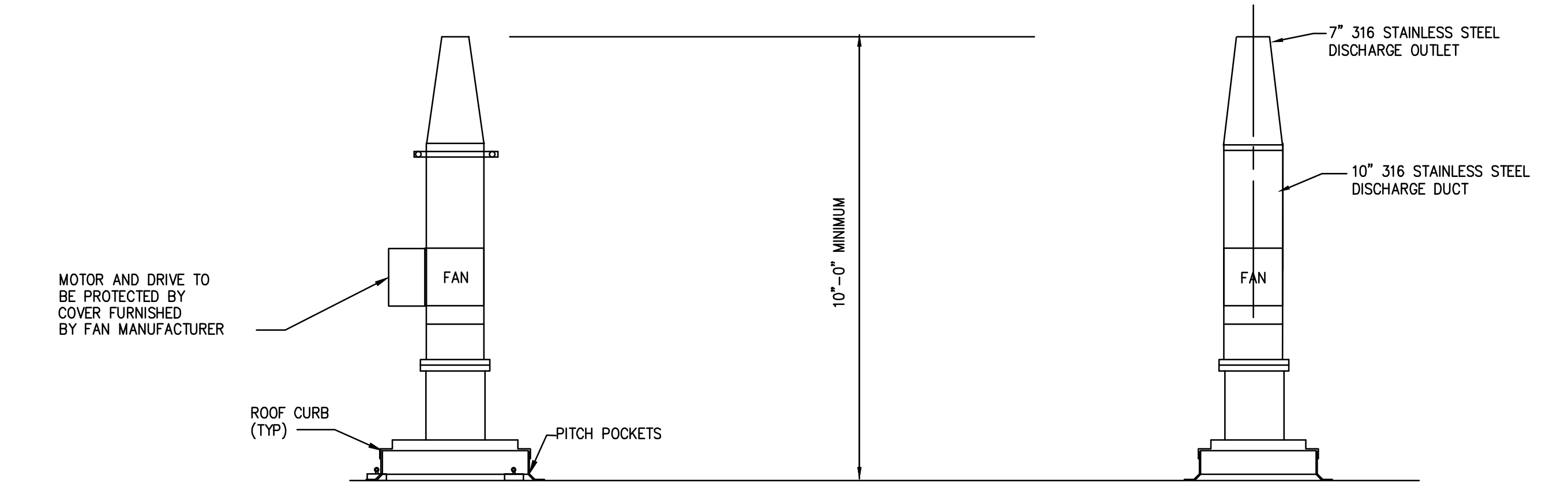
5 CEILING PLENUM TRANSFER DUCT DETAIL (TRD/TD)
M7.03 SCALE: NONE



11 GAS FLUE PIPING ROOF PENETRATION DETAIL
M7.03 SCALE: NONE

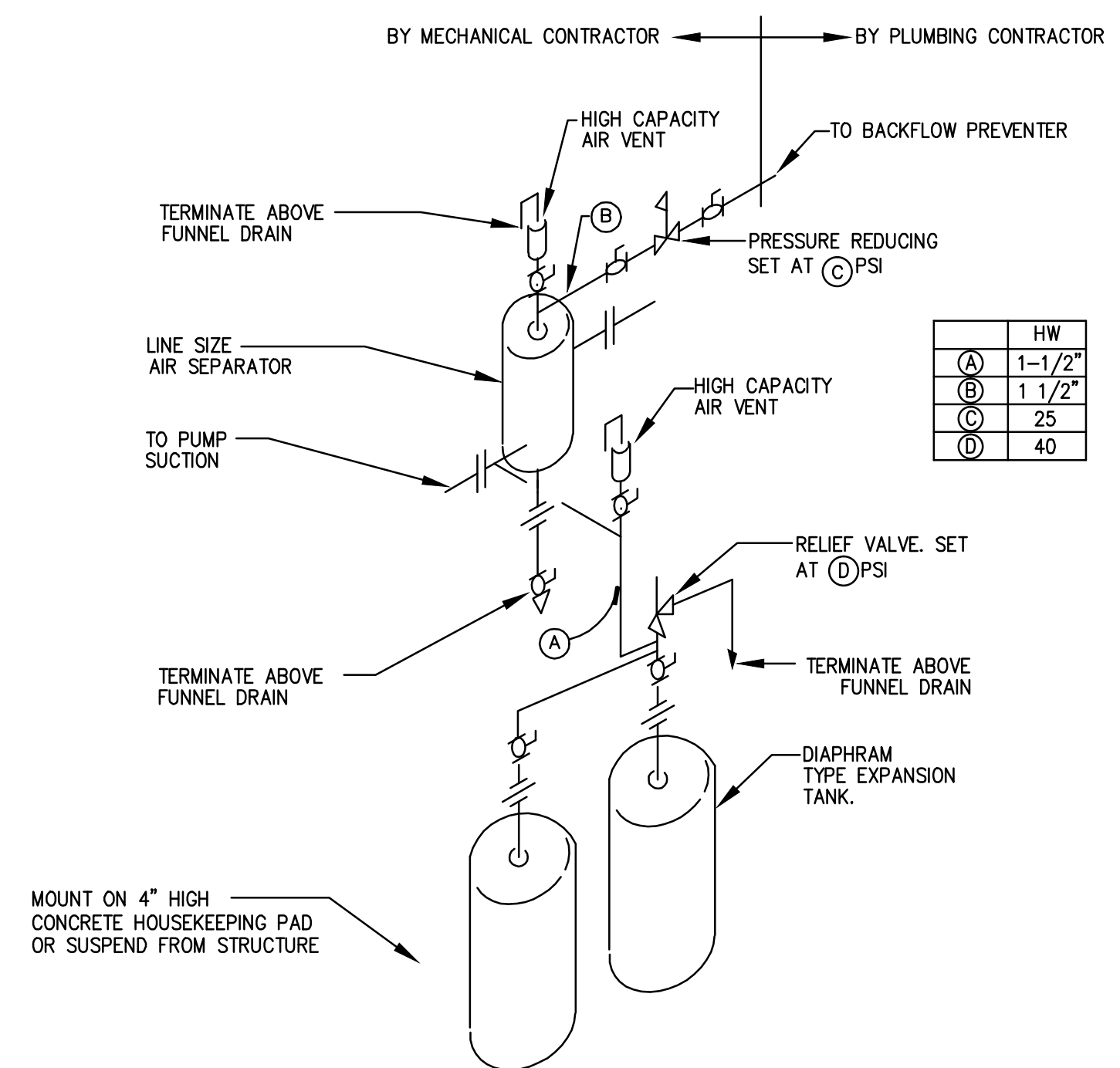


10 ROOF EXHAUST FAN
M7.03 SCALE: NONE

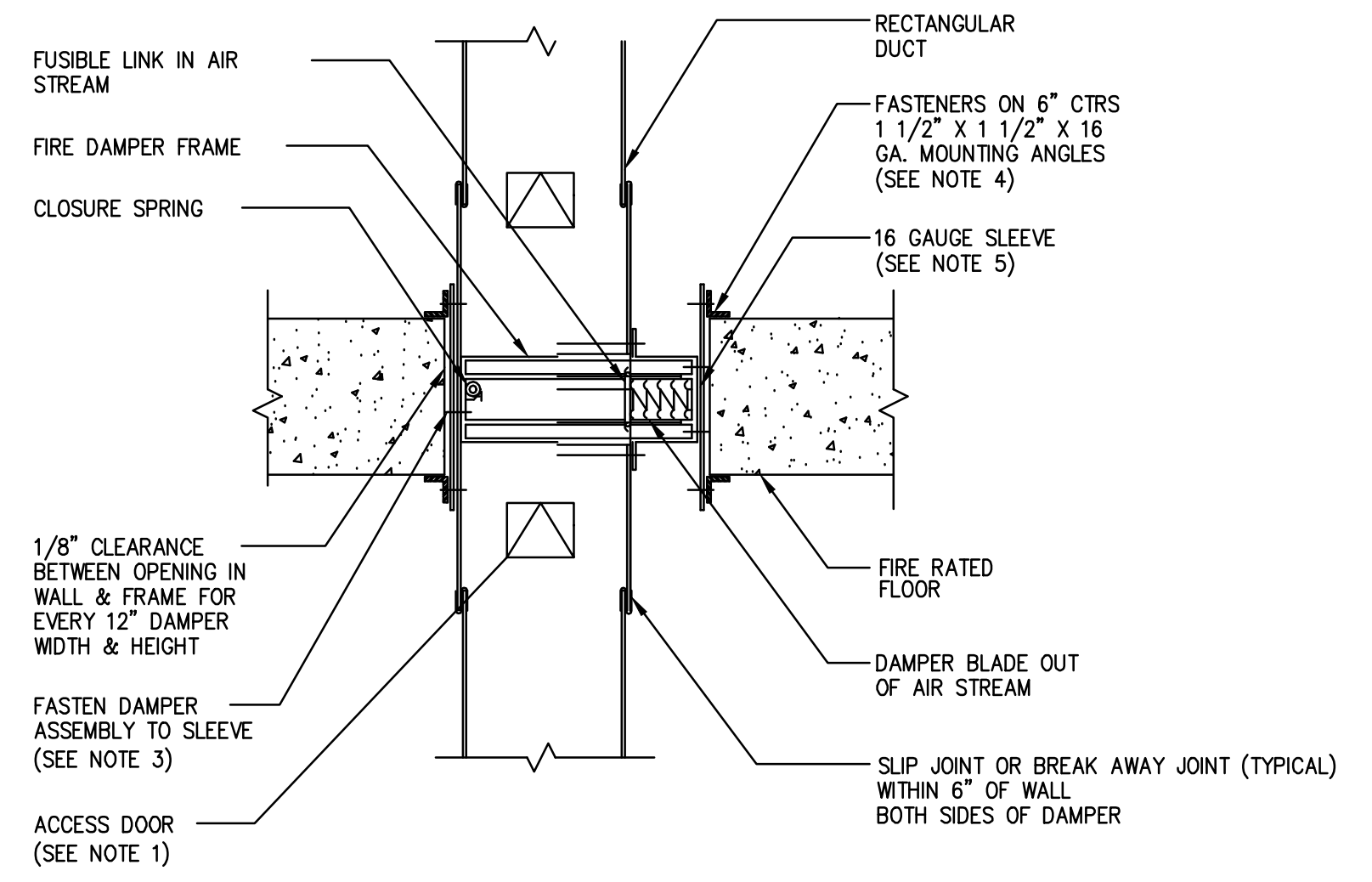


9 SCIENCE HOOD FAN
M7.03 SCALE: NONE

Drawing Title		STATE OF CONNECTICUT	
MECHANICAL DETAILS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NTS
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No. M7.03
		CAD No. 0532 M-MECH DETAILS.DWG	Project No. BI-RT-843

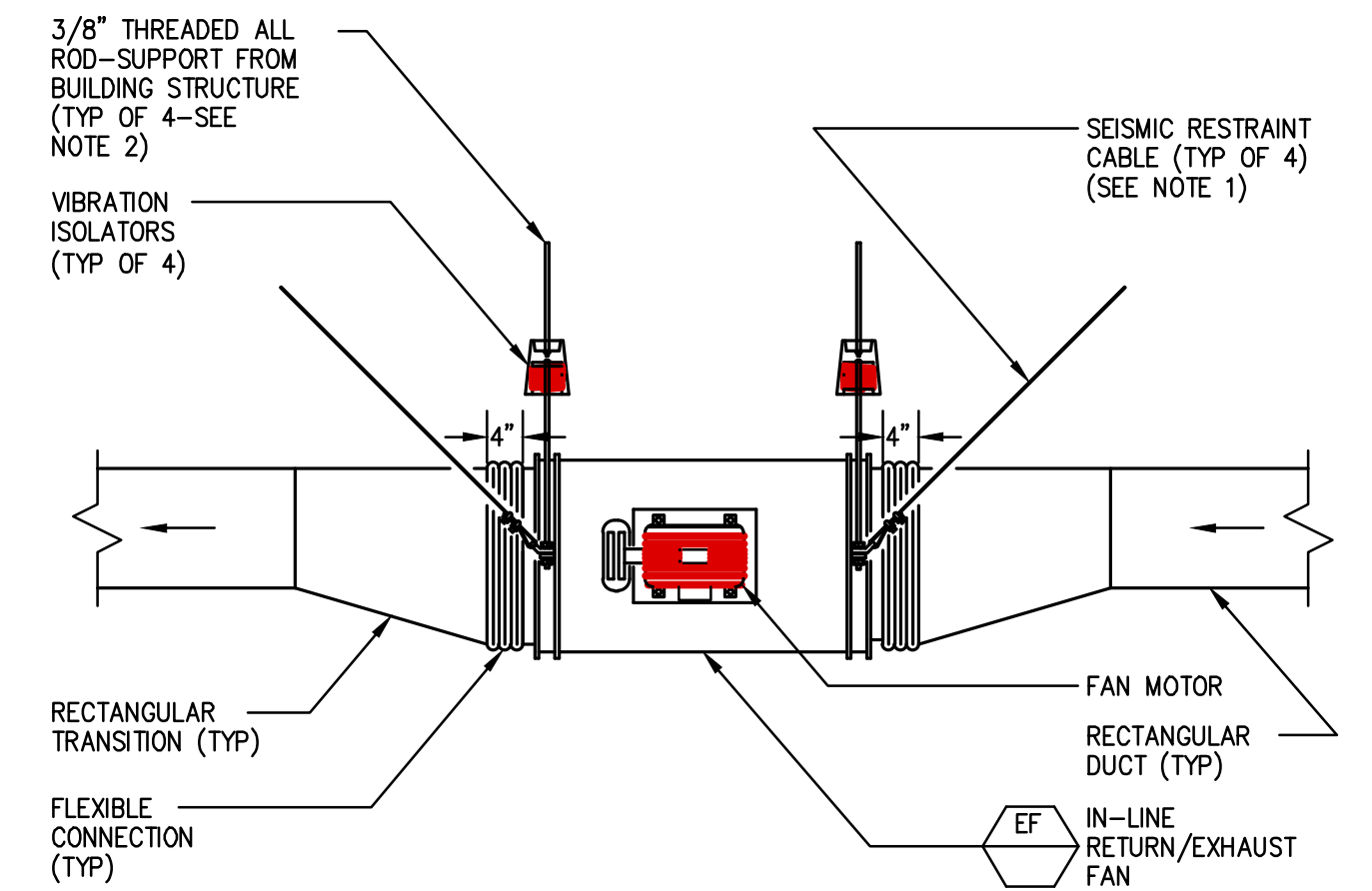


4 HOT WATER EXPANSION TANK DETAIL
M7.04 SCALE: NONE



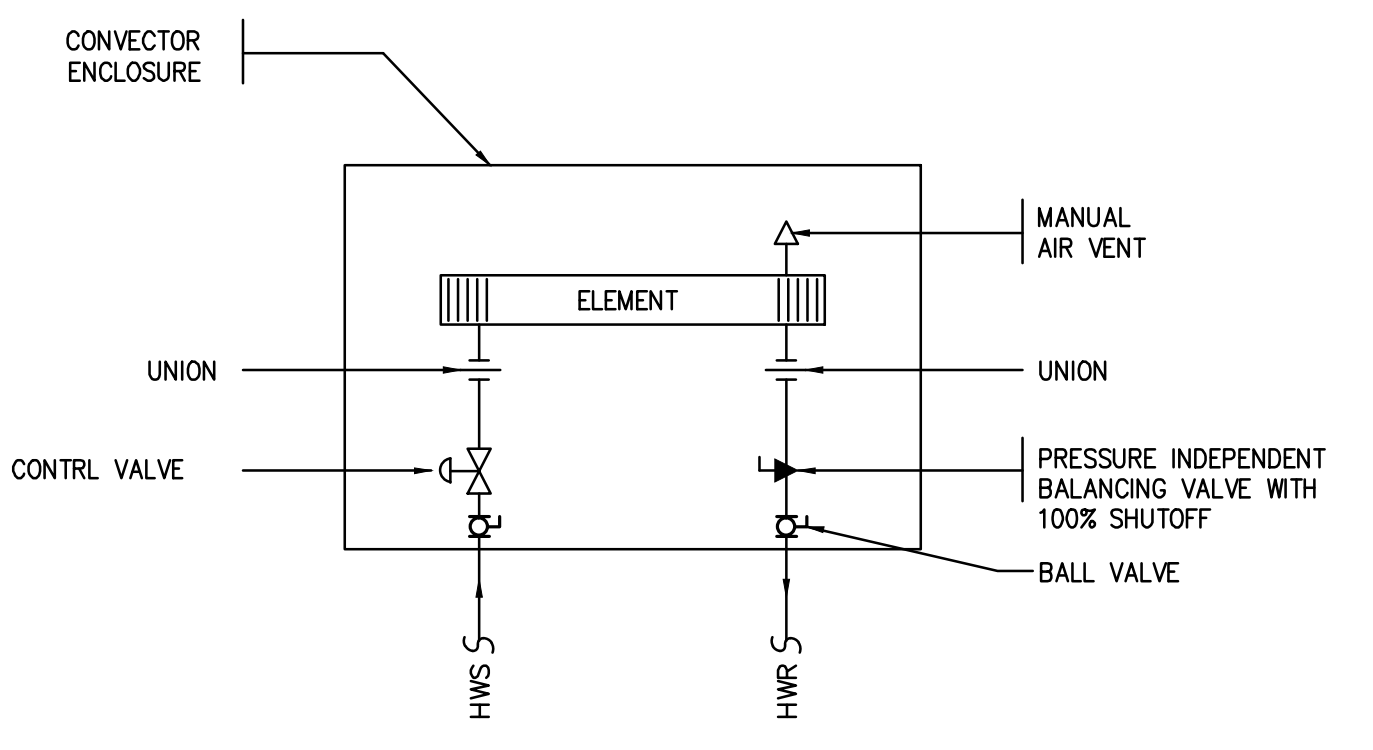
- NOTES:
1. INSTALL ACCESS DOOR IN DUCT FOR DAMPER ACCESS.
 2. INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND NFPA-90A.
 3. REFER TO SMACNA-FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE FOR "HVAC SYSTEMS" FOR FIRE DAMPER INSTALLATION DETAILS.
 4. MOUNTING ANGLES SHALL BE 2" X 2" X 16 GA. FOR DAMPERS 48" OR LARGER IN WIDTH OR HEIGHT.
 5. SLEEVE THICKNESS SHALL NOT BE LESS THAN THE GAUGE OF THE DUCT.

3 HORIZONTAL FIRE DAMPER INSTALLATION DETAIL RECTANGULAR DUCT
M7.04 SCALE: NONE

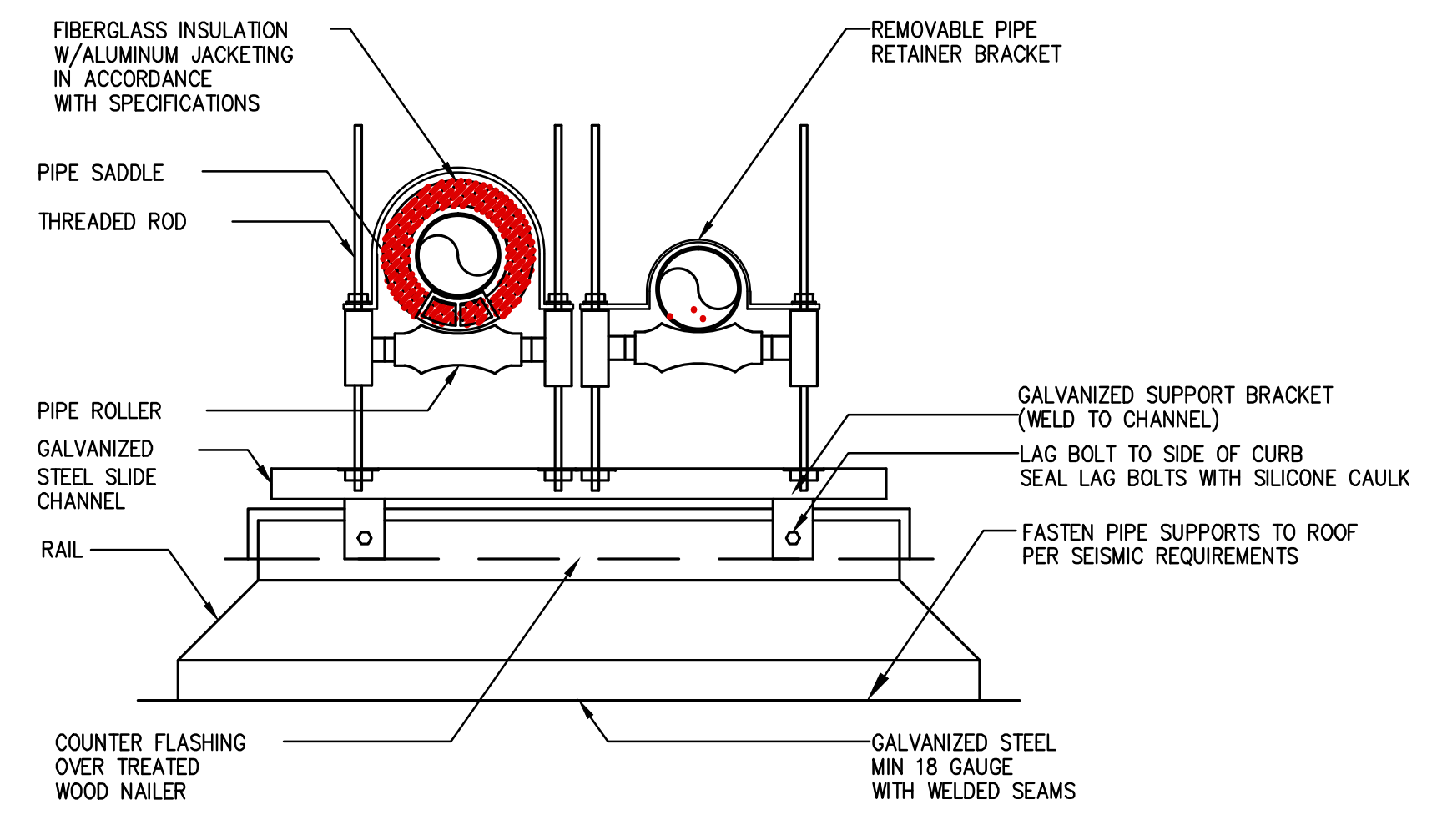


- NOTES:
1. INSTALL SEISMIC RESTRAINT CABLE PER SPECIFICATIONS, SMACNA SEISMIC RESTRAINT MANUAL-GUIDELINES FOR MECHANICAL SYSTEMS, AND "TYPICAL SEISMIC BRACING FOR CEILING MOUNTED EQUIPMENT DETAIL".
 2. REFER TO "TYPICAL METHOD OF SECURING HANGER RODS DETAIL" FOR ATTACHING FAN TO BUILDING STRUCTURE.

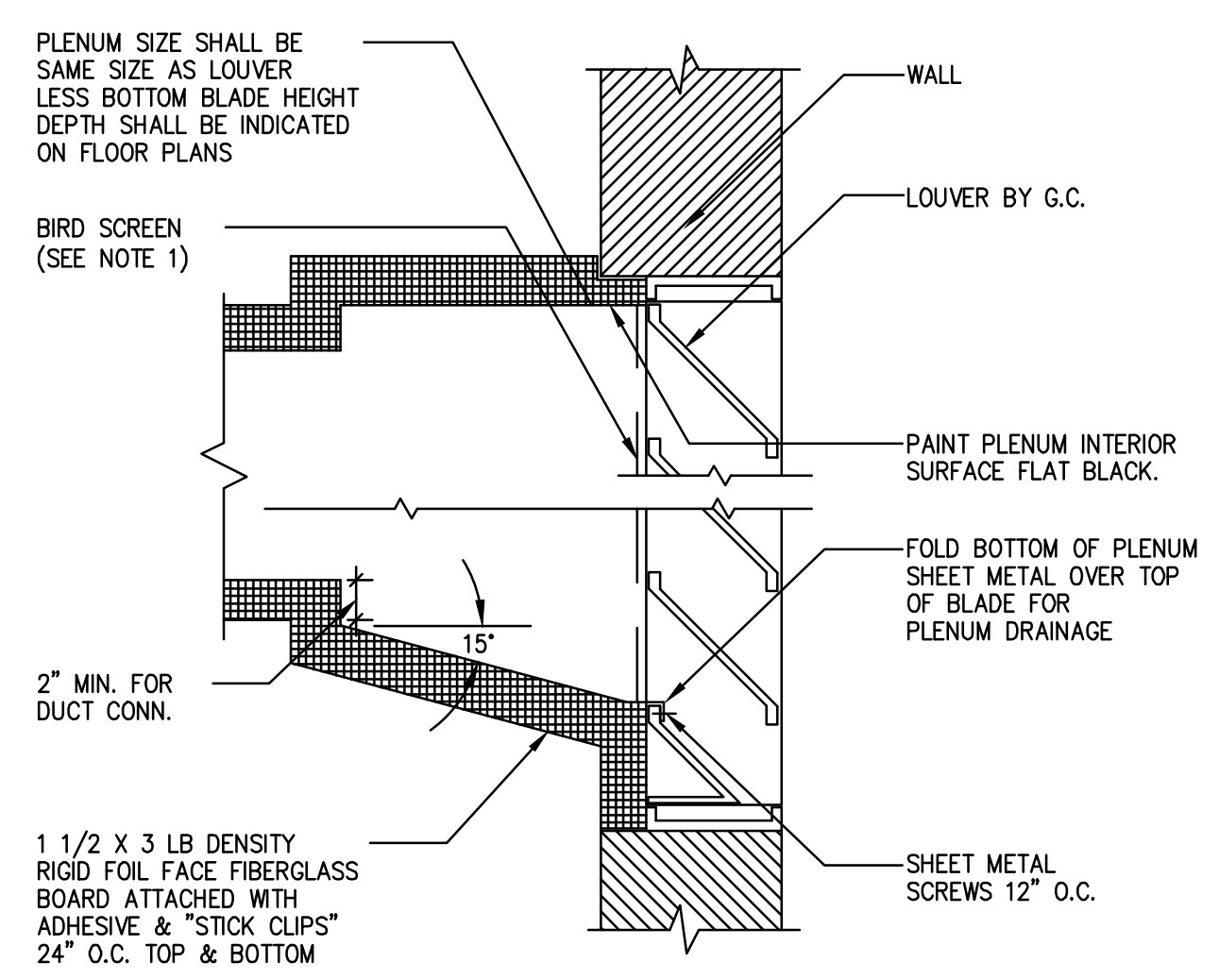
2 INLINE CENTRIFUGAL RETURN/EXHAUST FAN INSTALLATION DETAIL
M7.04 SCALE: NONE



1 HOT WATER CONVECTOR PIPING DETAIL
M7.04 SCALE: NONE

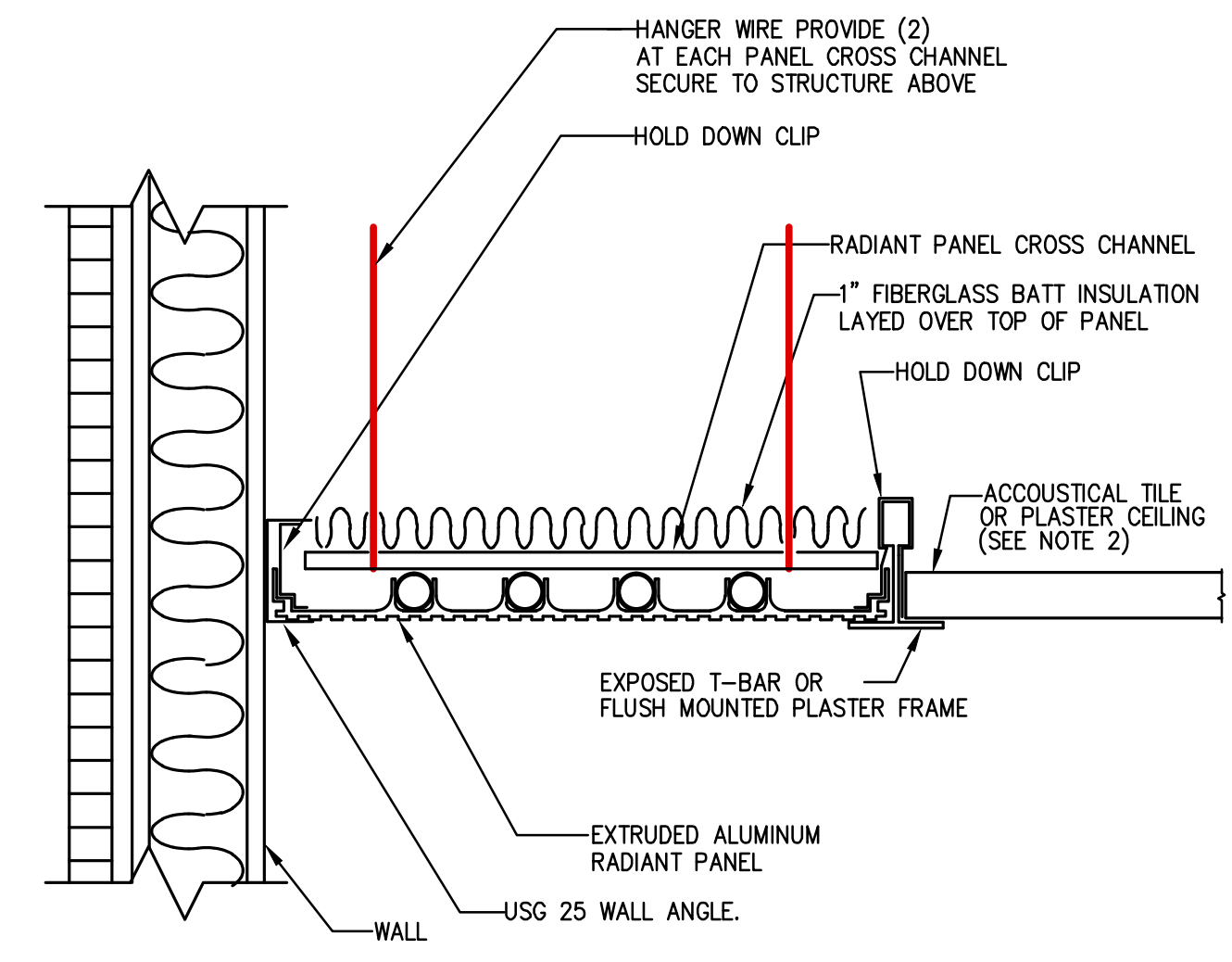


8 ROOF MOUNTED PIPE SUPPORT DETAIL
M7.04 SCALE: NONE



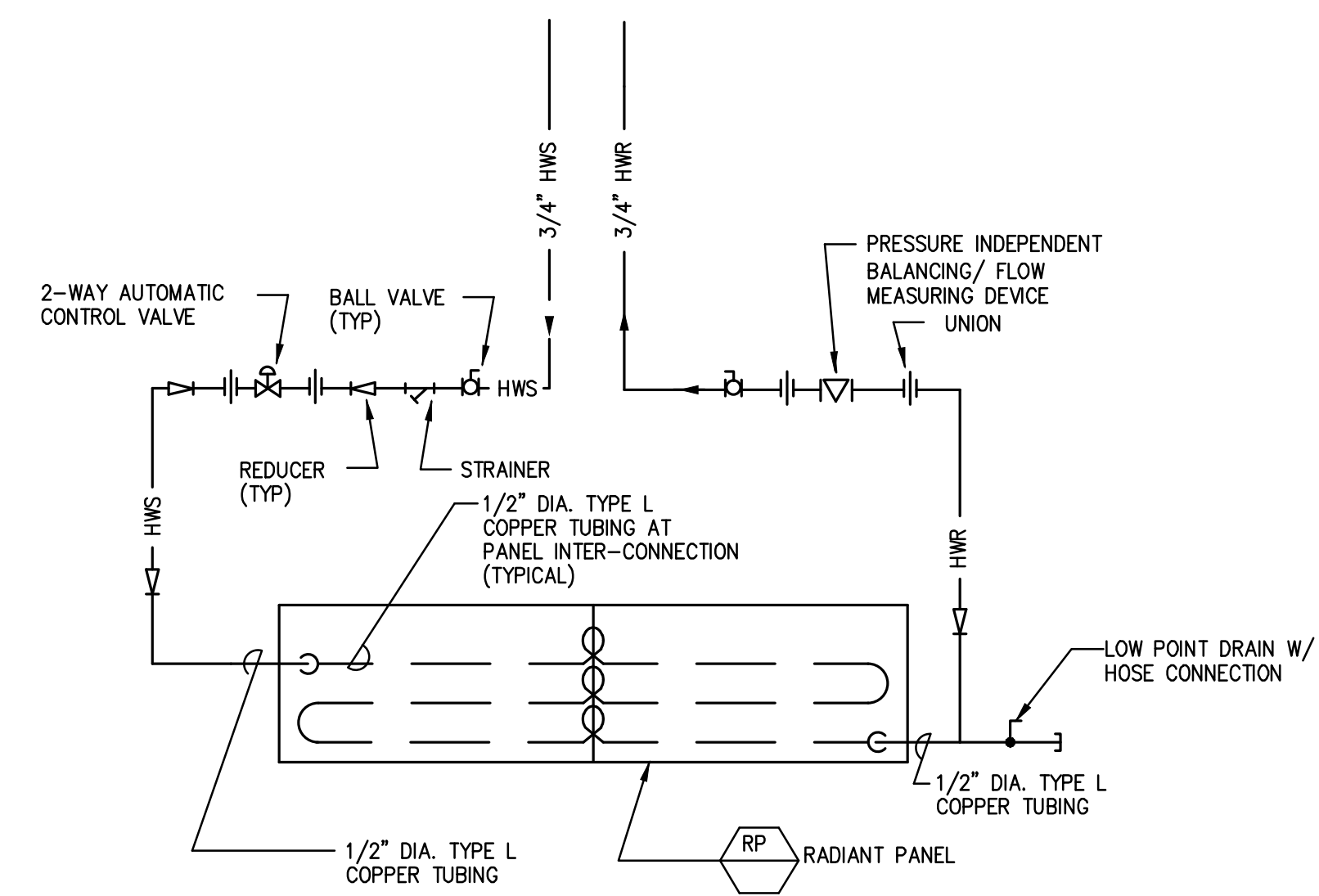
- NOTES:
1. COVER INSIDE FACE OF LOUVER WITH 1/2" MESH ALUMINUM BIRD SCREEN SCREENED IN PLACE.
 2. INSULATE UNUSED PORTION OF LOUVER WITH 1 1/2" GLASS FIBER INSULATING BOARD.
 3. SEAL ALL PLENUM SEAMS WATERTIGHT WITH SILICONE SEALANT.
 4. TYPICAL FOR SUPPLY AND EXHAUST PLENUMS.
 5. PROVIDE ACCESS DOOR IN PLENUM. DOOR SHALL BE FIELD COORDINATED FOR ACCESS. DOOR SIZE SHALL BE 36" HIGH X 18" WIDE. REFER TO SPEC FOR DOOR CONSTRUCTION. SMALLER DOORS MAY BE ACCEPTABLE BASED ON ACTUAL PLENUM SIZE. COORDINATE W/ ENGINEER PRIOR TO INSTALL IF SMALLER.

7 INTAKE AND EXHAUST LOUVER INSTALLATION DETAIL
M7.04 SCALE: NONE

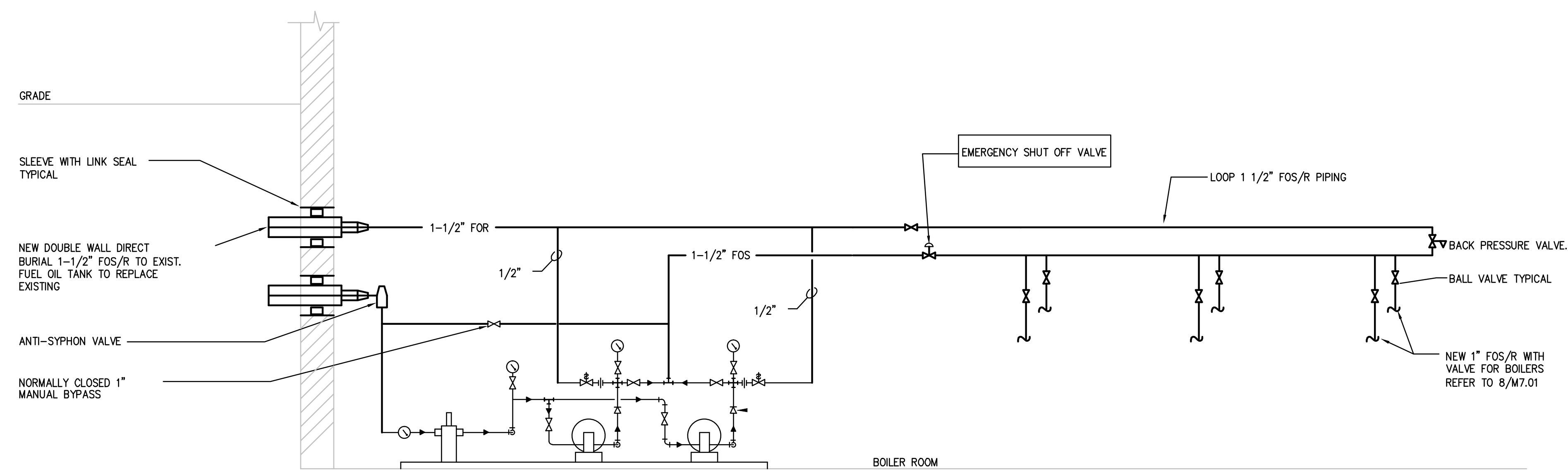


- NOTE:
1. PROVIDE CLEARANCE AROUND PANEL FOR THERMAL EXPANSION IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.
 2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE.

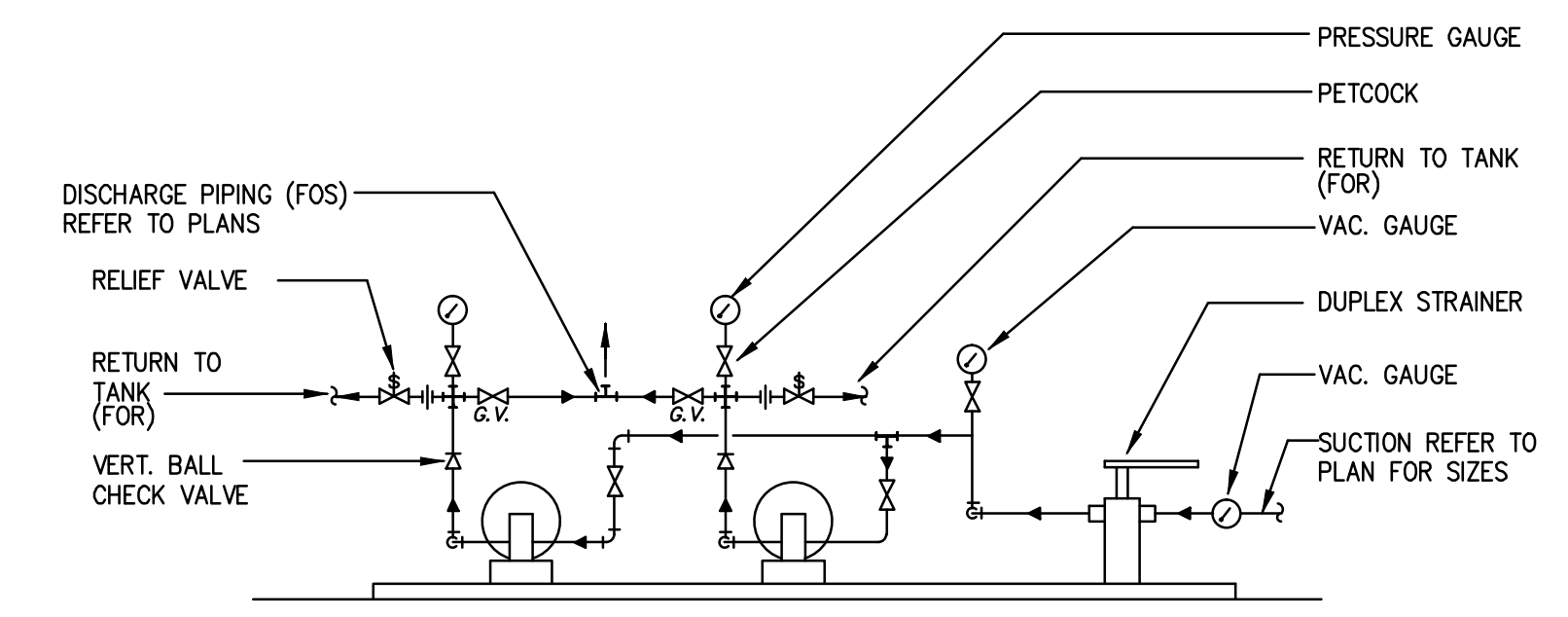
6 RADIANT PANEL INSTALLATION DETAIL
M7.04 SCALE: NONE



5 RADIANT CEILING PANEL PIPING CONNECTION
M7.04 SCALE: NONE

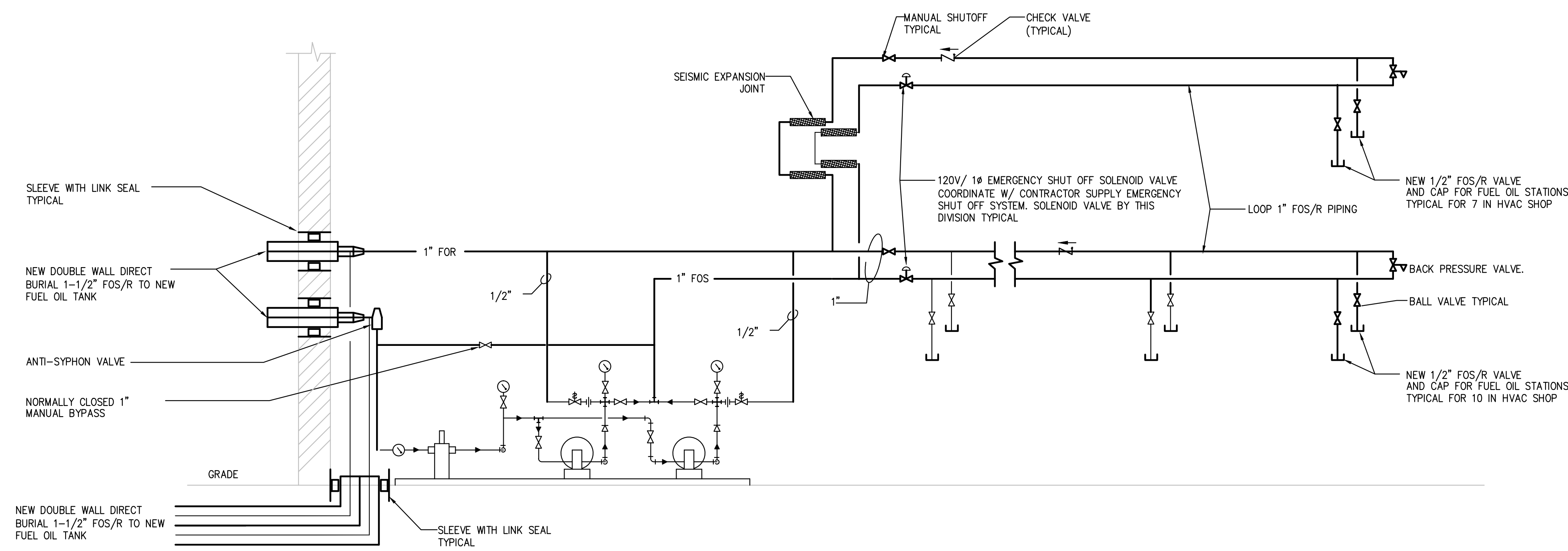


10 FUEL OIL PIPING DETAIL
M7.04 SCALE: NONE

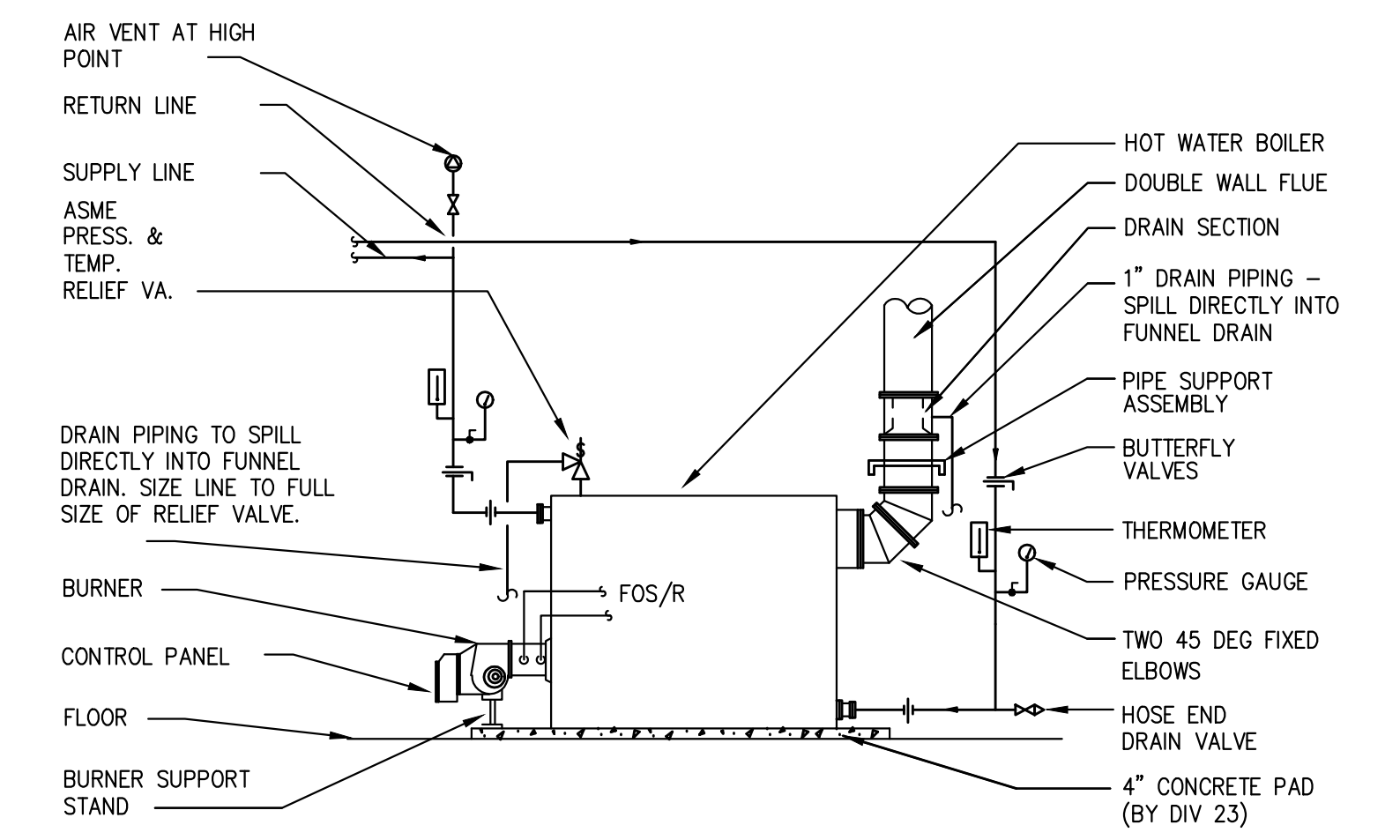


9 DUPLEX FUEL OIL PUMP SET
M7.04 SCALE: NONE

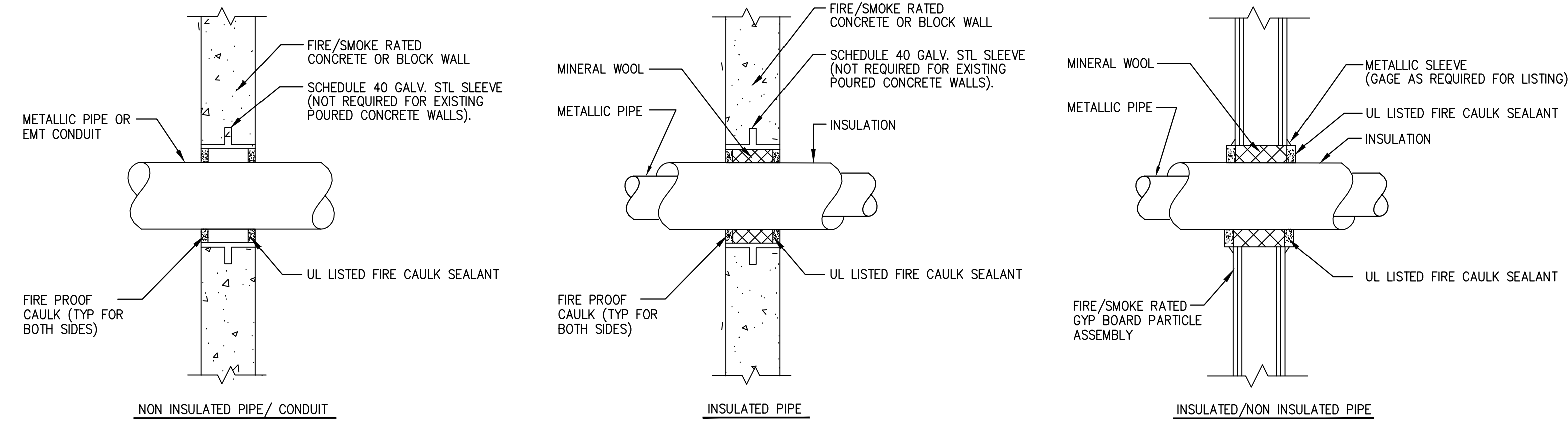
Drawing Title MECHANICAL DETAILS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Date: 1/28/2011 Scale NTS Drawn By RDV Approved By CFR Drawing No. M7.04
CAD No. 0532 M-MECH DETAILS.DWG		Project No. BI-RT-843	



2 PLUMBING/HVAC SHOP FUEL OIL PIPING DETAIL (FOP-1)
M7.05 SCALE: NONE

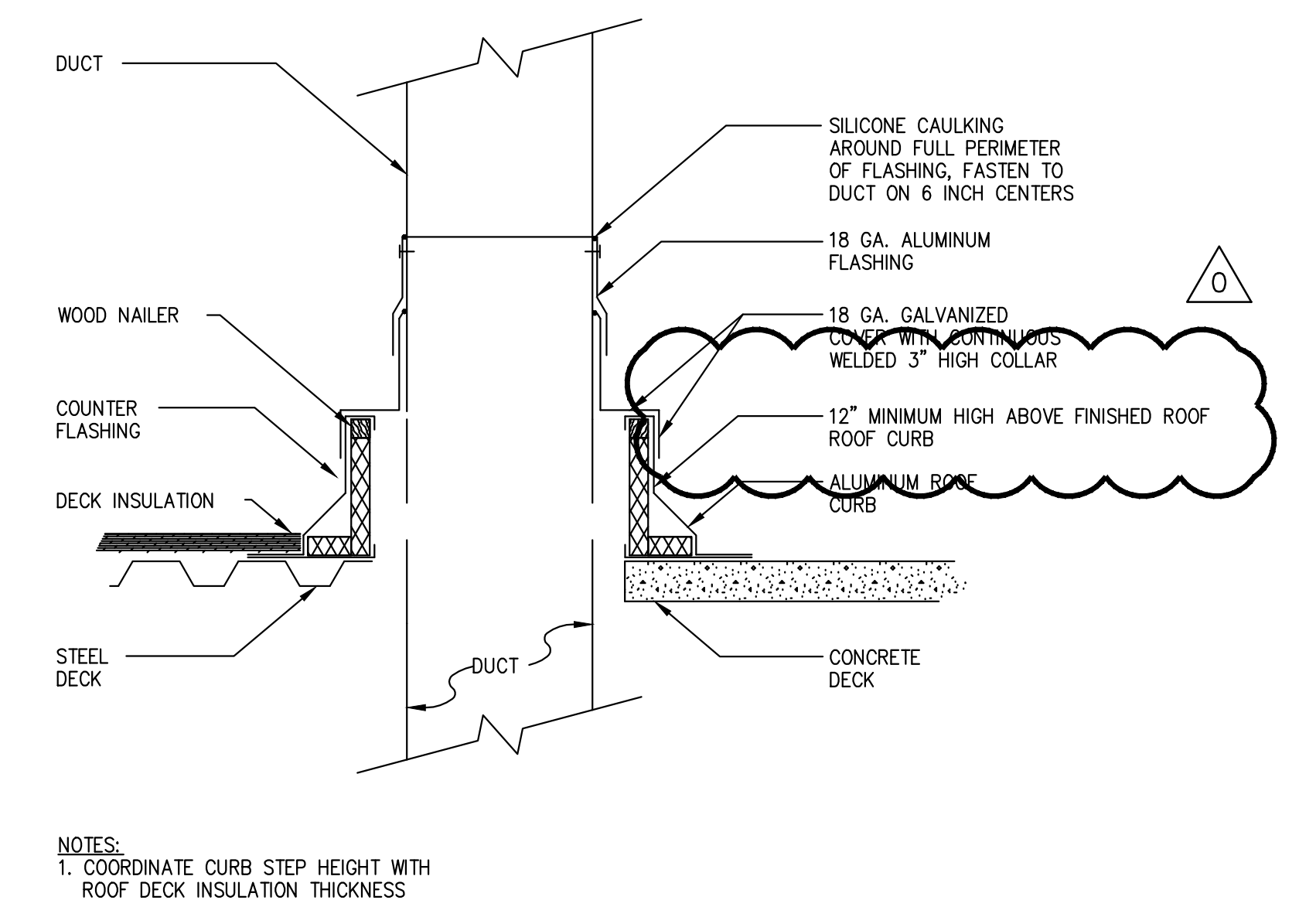


1 HOT WATER BOILER
M7.05 SCALE: NONE



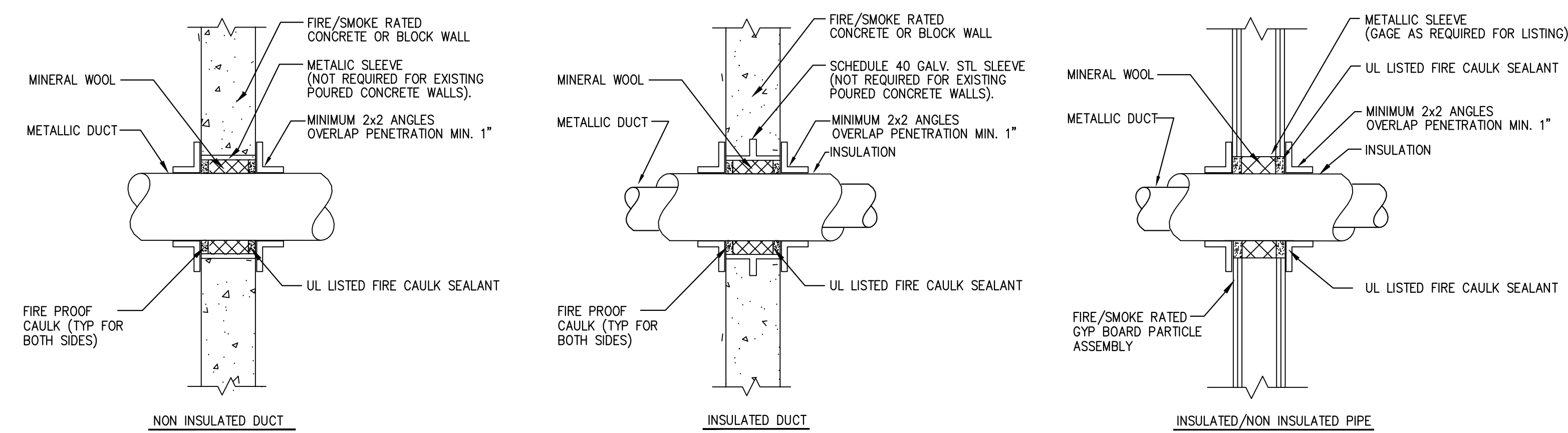
GENERAL NOTES:
PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/ UL1479, ASTM E814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE AND INSULATION THICKNESS INSTALLED.
FIRE STOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED - SEE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATING AND LOCATIONS

4 PIPE PENETRATION WITH FIRE/SMOKE SEAL
M7.05 SCALE: NONE



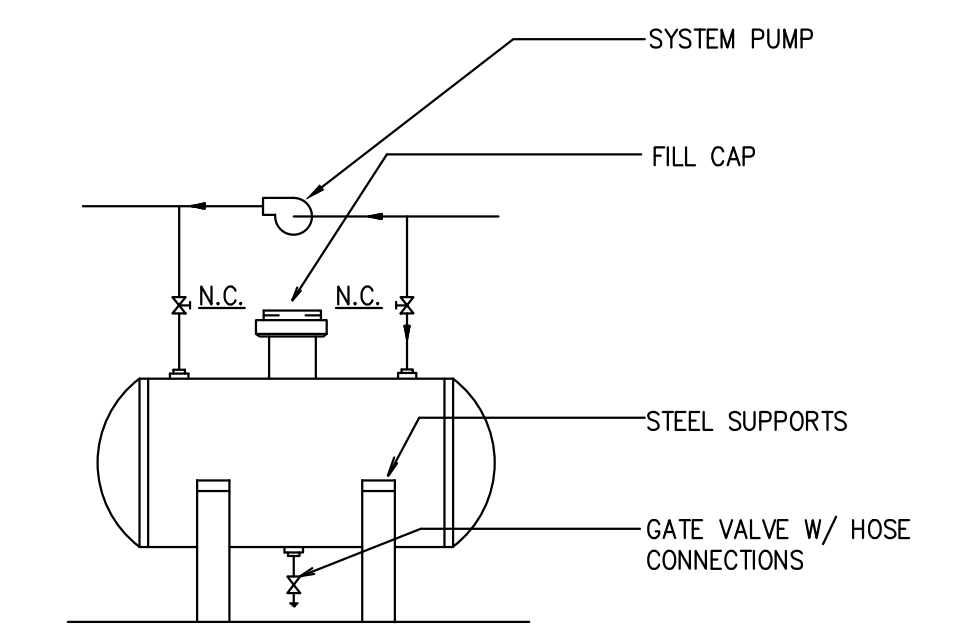
NOTES:
1. COORDINATE CURB STEP HEIGHT WITH ROOF DECK INSULATION THICKNESS

3 DUCT PENETRATION THROUGH ROOF
M7.05 SCALE: NONE



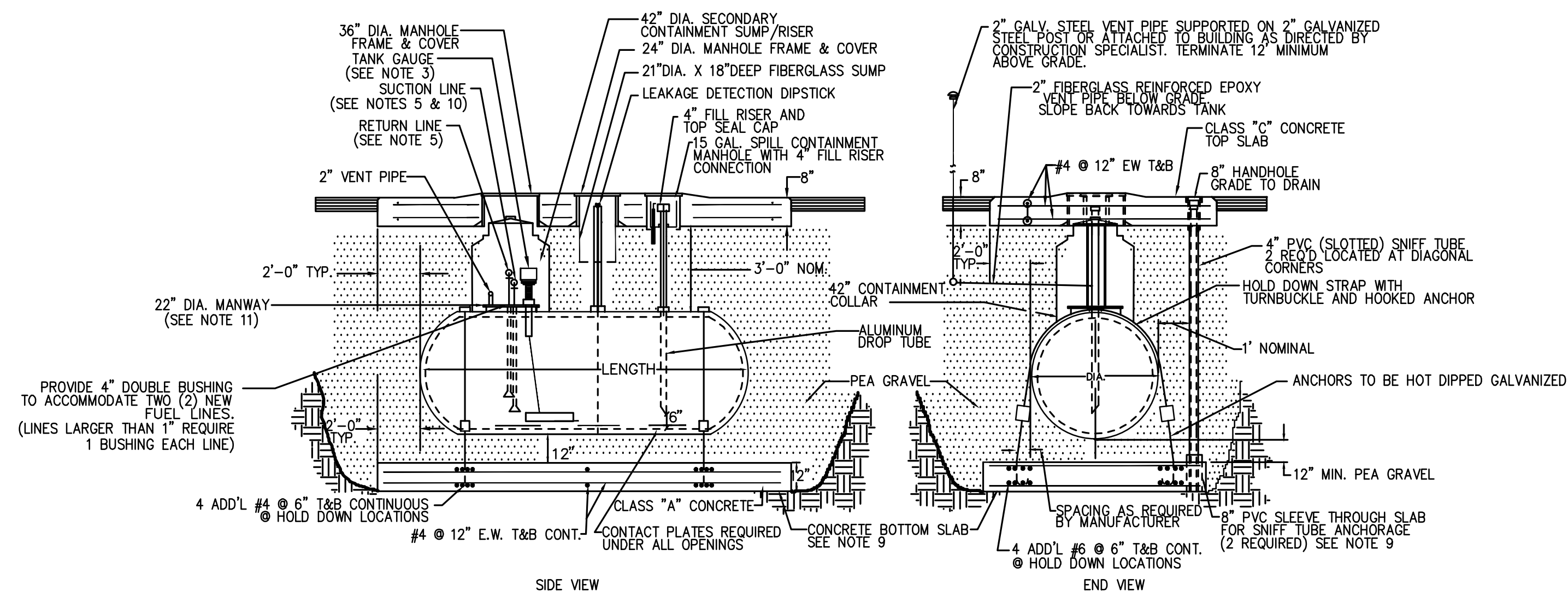
GENERAL NOTES:
PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/ UL1479, ASTM E814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE AND INSULATION THICKNESS INSTALLED.
FIRE STOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED - SEE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATING AND LOCATIONS

6 PIPE PENETRATION WITH FIRE/SMOKE SEAL WITHOUT FD
M7.05 SCALE: NONE



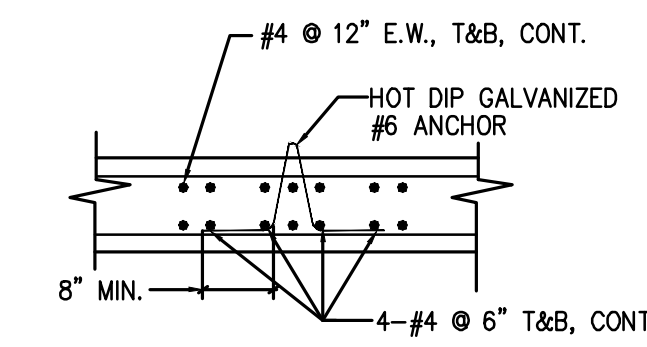
5 BYPASS FEEDER SYSTEM
M7.05 SCALE: NONE

Drawing Title		STATE OF CONNECTICUT	
MECHANICAL DETAILS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011
		Project	Scale
		H.C. Wilcox Technical High School Meriden, CT	NTS
		Drawn By	Drawn By
		CFR	CFR
		Approved By	Approved By
		CFR	CFR
		Drawing No.	Drawing No.
		M7.05	M7.05
CAD No.	Project No.		
0532 M-MECH DETAILS.DWG	BI-RT-843		

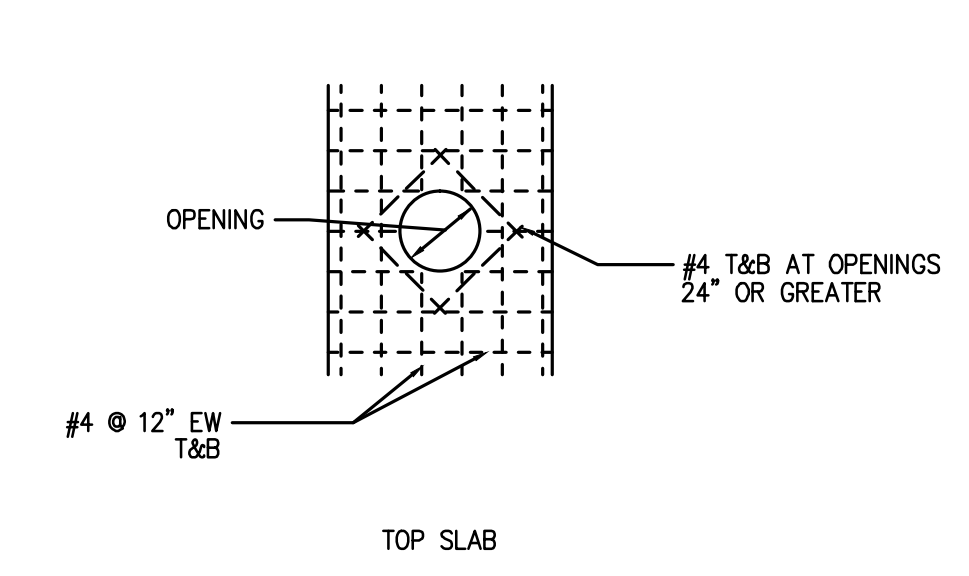


1 LESS THAN 6000 GALLON DOUBLE WALL FRP HEATING OIL AND WASTE OIL TANK DETAIL
M7.06 SCALE: NONE

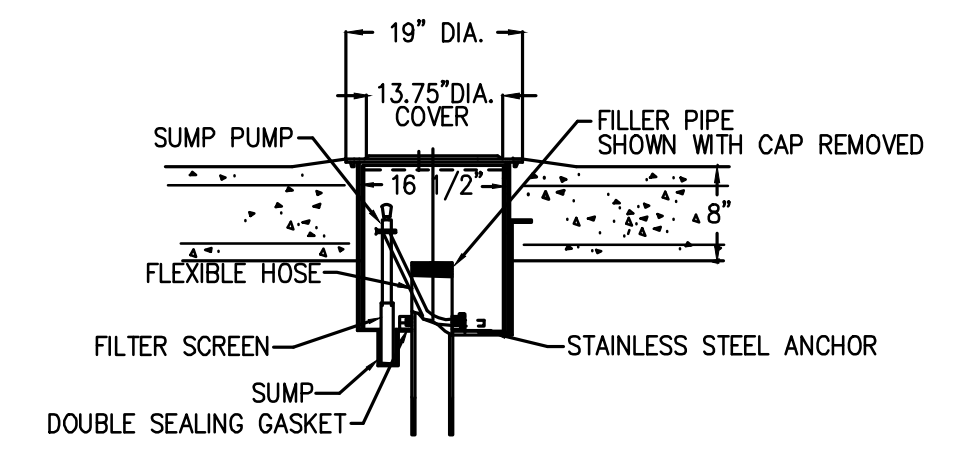
- NOTES:
1. ALL MANHOLES TO BE SET RAISED IN CONCRETE APRON (1").
 2. METALLIC PRODUCT PIPING AND METALLIC VENT LINES TO HAVE DOUBLE SWING JOINTS OR FLEX CONNECTORS.
 3. TANK GAUGING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 4. NUMBER AND LOCATION OF HOLD DOWN STRAPS PER MANUFACTURER'S RECOMMENDATIONS.
 5. SUPPLY AND RETURN PIPING TO BE INSTALLED IN SECONDARY CONTAINMENT SYSTEM FROM CONTAINMENT SUMP TO INTERIOR OF BUILDING WALL.
 6. TANK DIMENSIONS ARE APPROXIMATE. EXACT DIMENSIONS PER MANUFACTURER.
 7. SUPPLY LINE TO BE 6 INCHES OFF BOTTOM OF TANK AND RETURN LINE TO BE 12 INCHES OFF BOTTOM OF TANK.
 8. HOLD DOWN ANCHORS SIZE AND SHAPE PER TANK MANUFACTURER'S RECOMMENDATIONS. WHERE NO MANUFACTURER'S RECOMMENDATIONS EXIST, ANCHORS TO BE PROVIDED AS SHOWN ON DETAIL THIS SHEET.
 9. LEAKAGE DETECTION MAY BE LOCATED WITHIN THE SECONDARY CONTAINMENT SUMP. IF INSTALLED BY THIS METHOD, THE 21" DIA. SUMP AND 24" DIA. MANHOLE FRAME AND COVER ARE NOT REQUIRED. INSTALL REMOVABLE CAP ON LEAKAGE DETECTION.
 10. CONTRACTOR SHALL PROVIDE & INSTALL STRAINER ON SUPPLY (SUCTION) LINE. STRAINER SHALL BE REMOVABLE THROUGH 4" FITTING.
 11. MANWAY SHALL INCLUDE ONE SPARE (EMPTY) CAPPED 4" FITTING.
 12. ALL CONCRETE PROVIDED BY INSTALLING CONTRACTOR (DIV 23)
 13. PROVIDE CONDUIT FOR LEAK DETECTION TO/FROM BLDG.



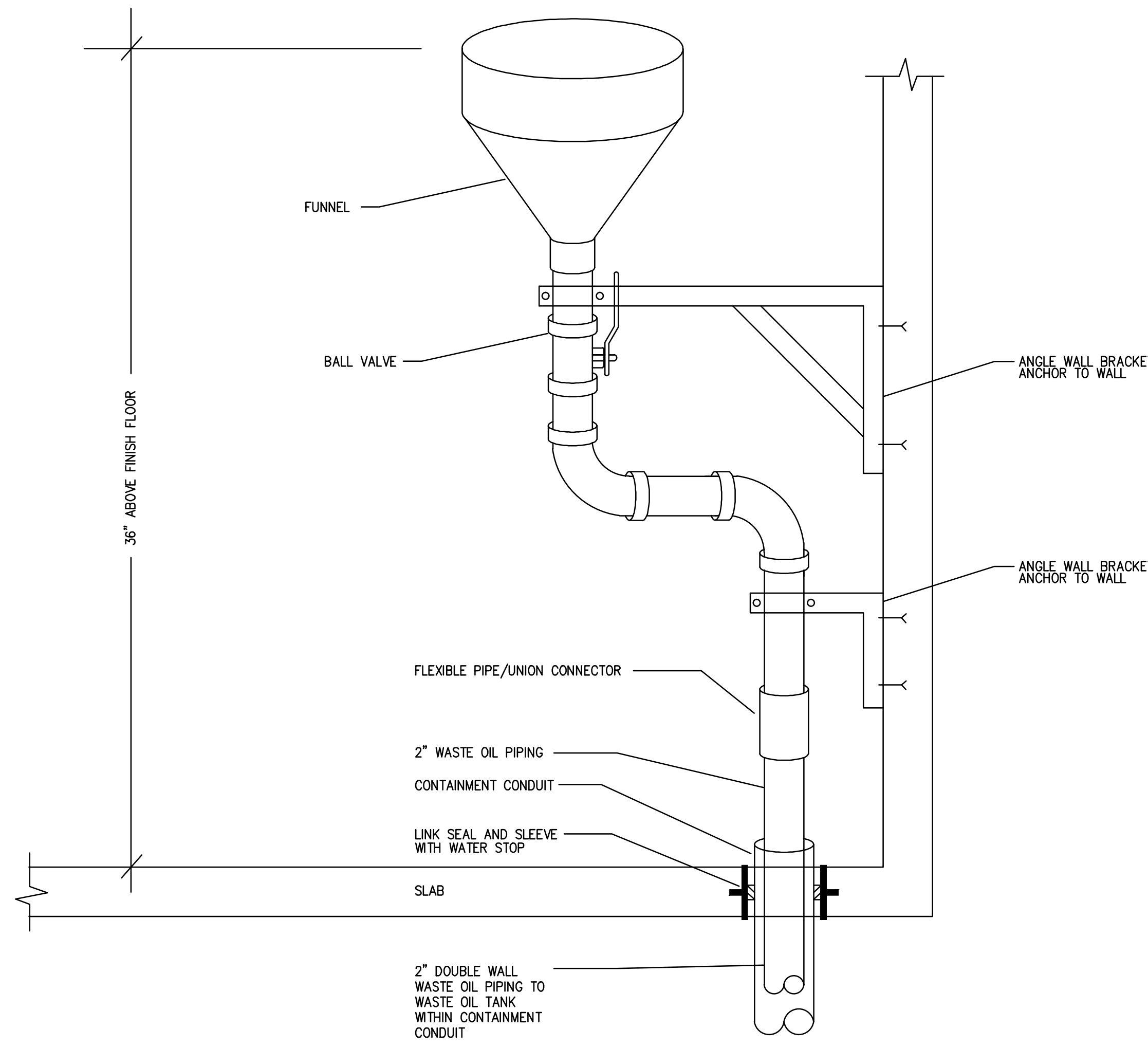
2 ANCHOR DETAIL
M7.06 SCALE: NONE



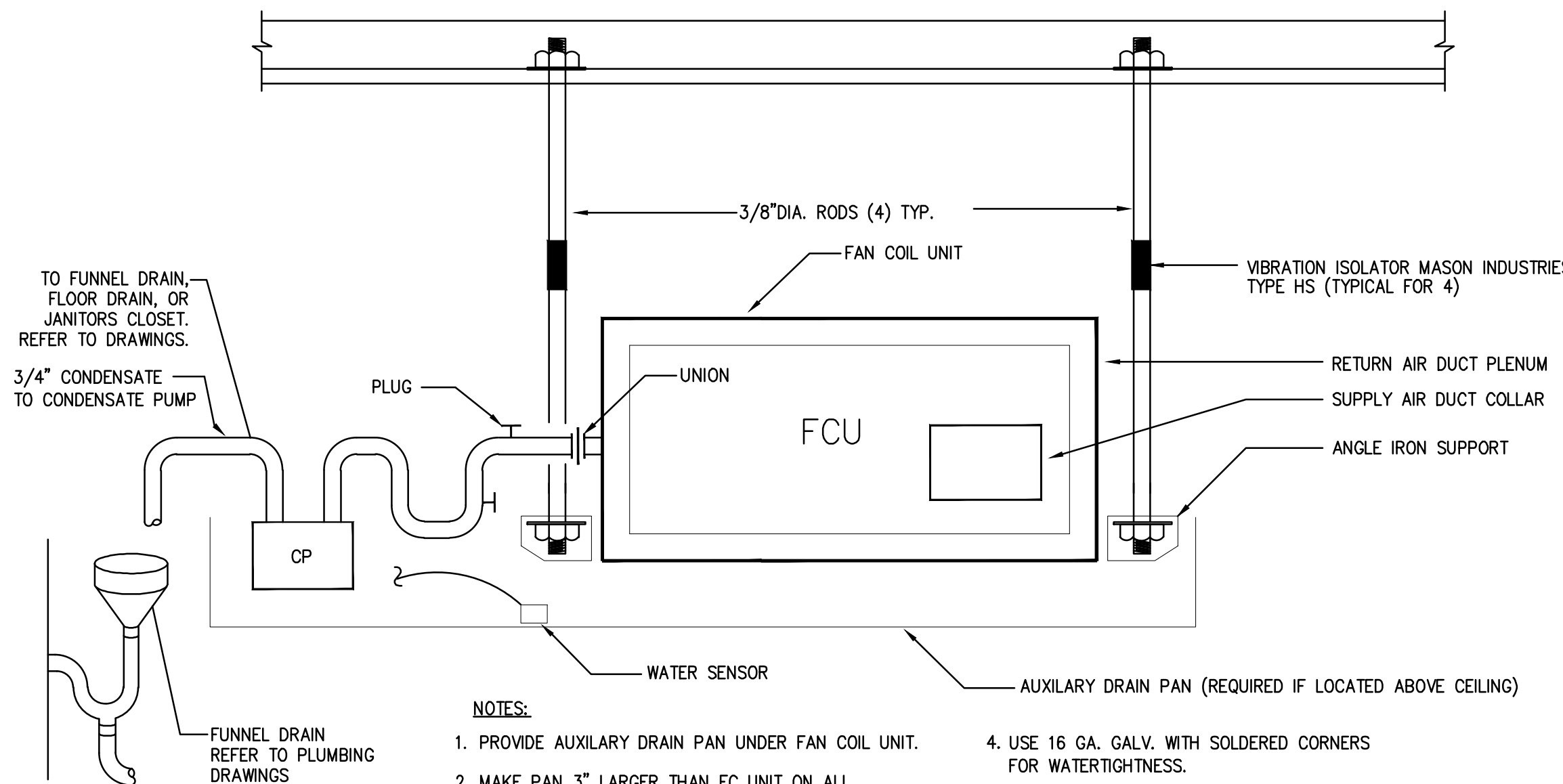
3 REINFORCING DETAIL
M7.06 SCALE: NONE



4 SPILL CONTAINMENT MANHOLE DETAIL
M7.06 SCALE: NONE

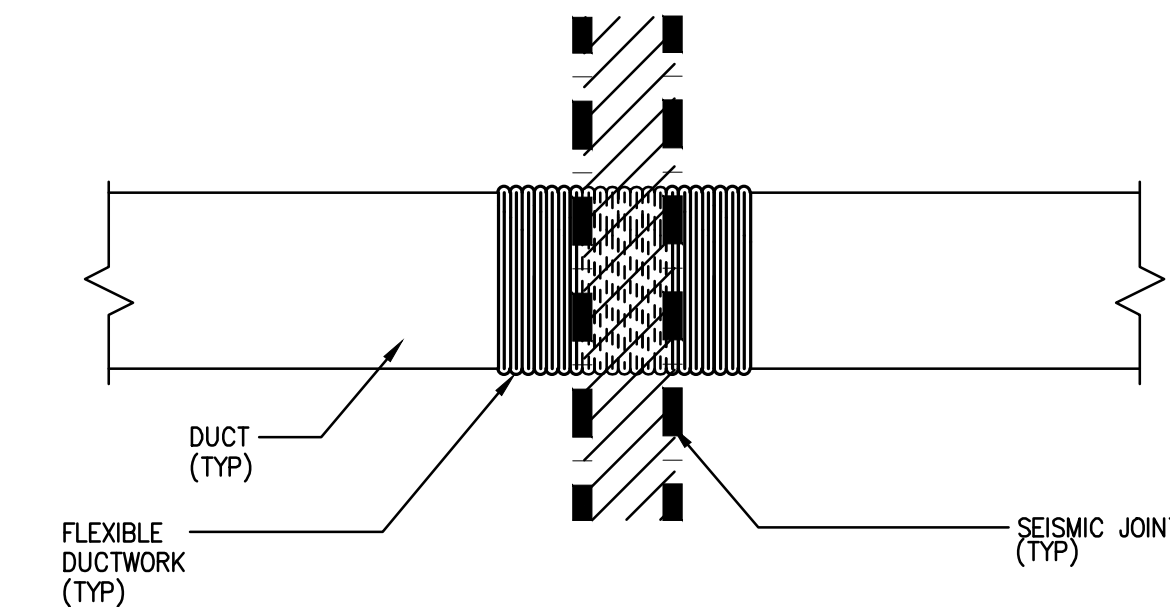


5 WASTE OIL FUNNEL DETAIL
M7.06 SCALE: NONE

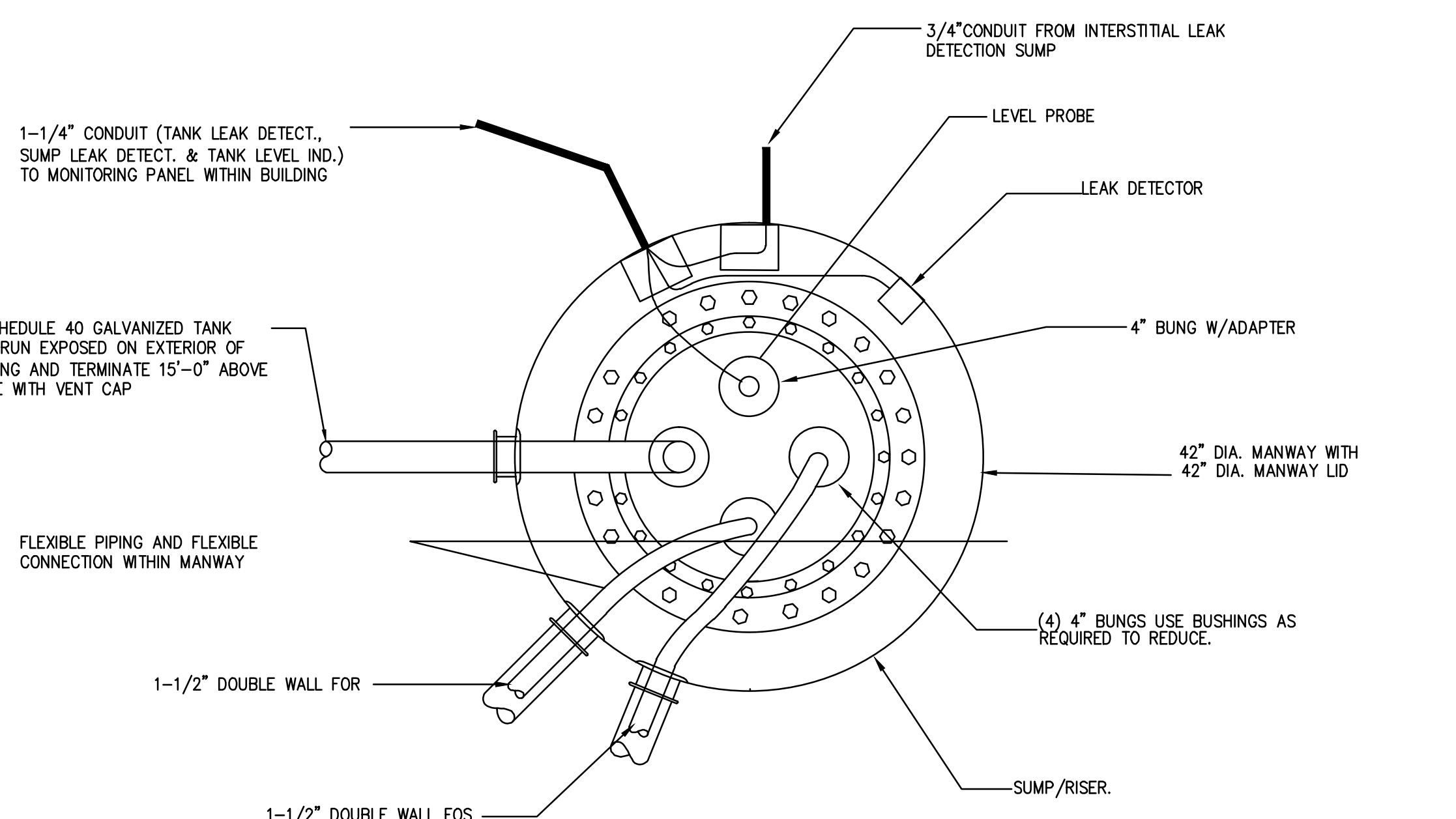


6 FAN COIL UNIT SUPPORT DETAIL
M7.06 SCALE: NONE

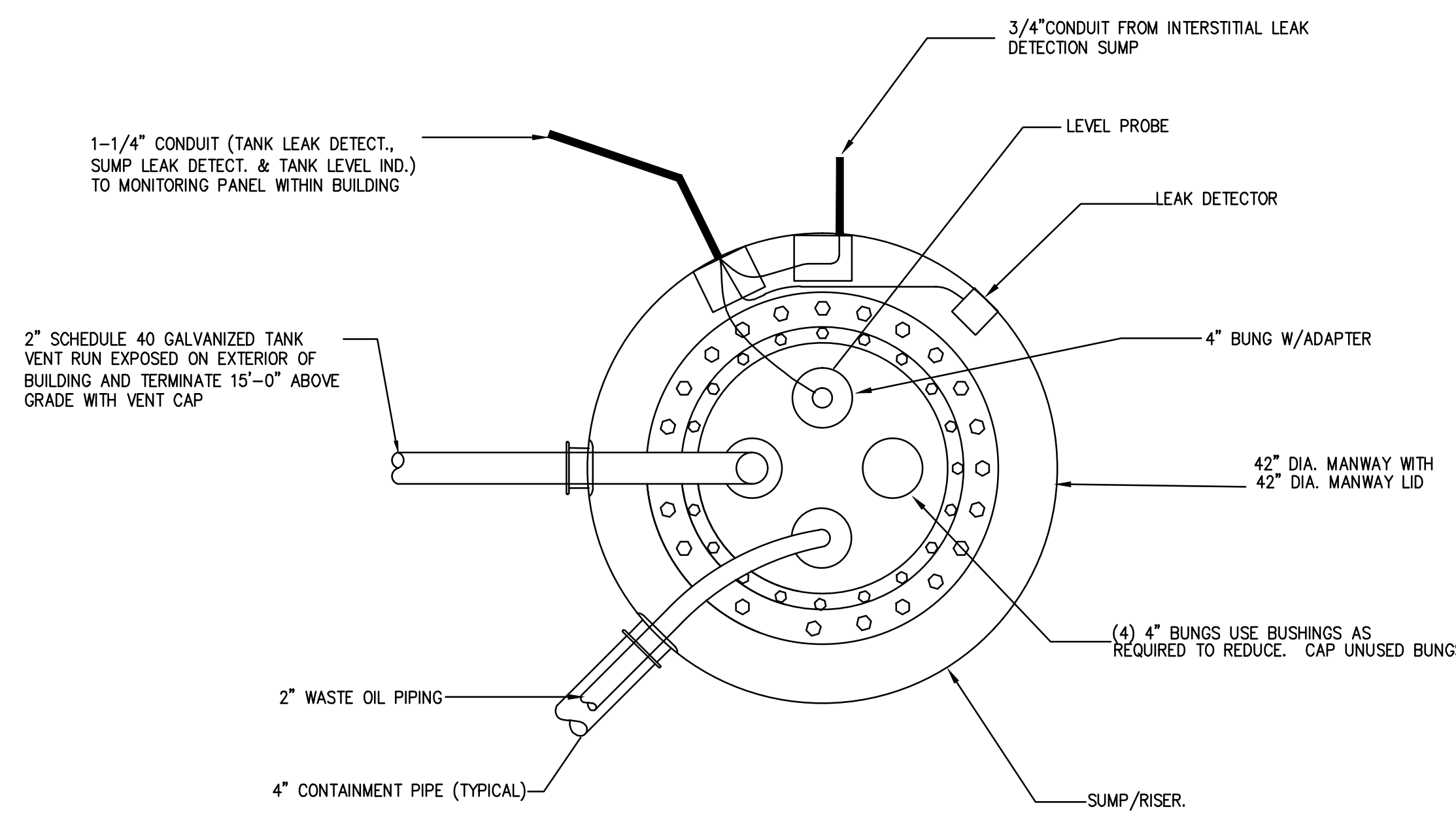
- NOTES:
1. PROVIDE AUXILIARY DRAIN PAN UNDER FAN COIL UNIT.
 2. MAKE PAN 3" LARGER THAN FC UNIT ON ALL FOUR (4) SIDES INCLUDING CONDENSATE PUMP.
 3. MAKE UPSTANDING SIDES 1 1/2" WITH 1/2" HEM TURNED DOWN OUTSIDE OF PAN.
 4. USE 16 GA. GALV. WITH SOLDERED CORNERS FOR WATERTIGHTNESS.
 5. WATER SENSOR AND CABLE SHALL BE PROVIDED TO SHUT OFF UNIT IN EVENT LEAK IS DETECTED.



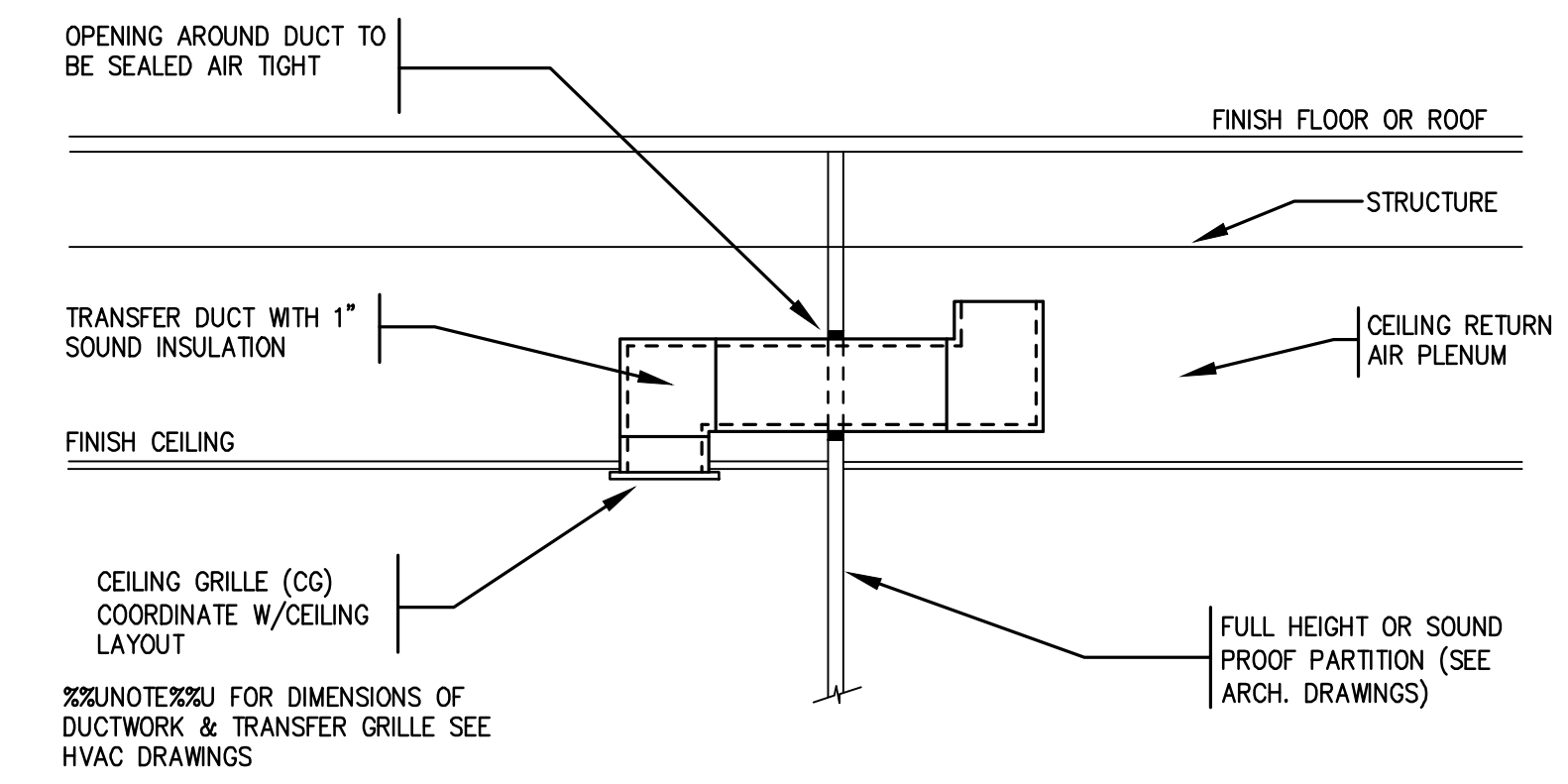
7 DUCT CROSSING SEISMIC JOINT
M7.06 SCALE: NONE



8 TANK SUMP PIPING MANWAY DETAIL - FUEL OIL TANK
M7.06 SCALE: NONE

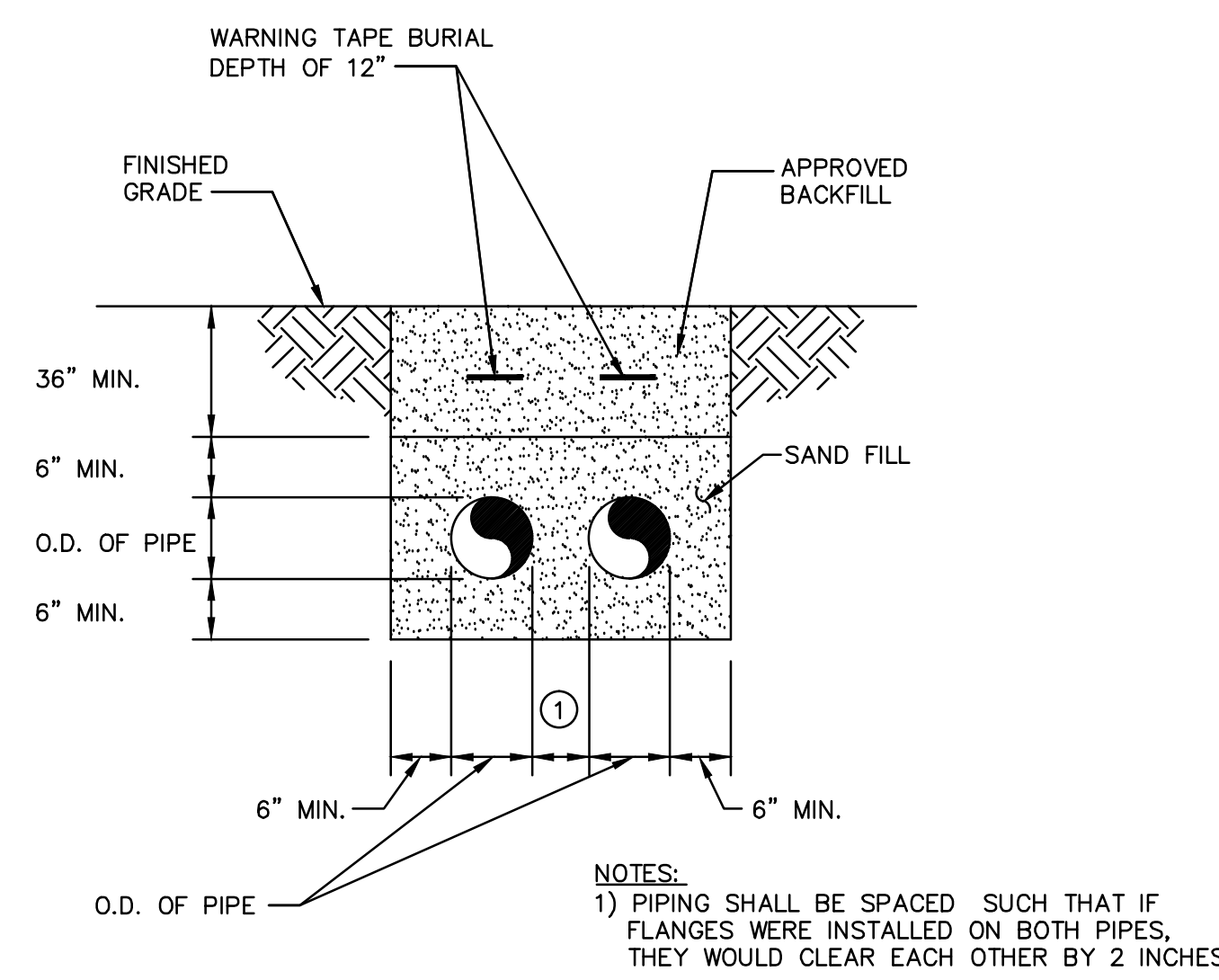


9 TANK SUMP PIPING MANWAY DETAIL - WASTE FUEL OIL TANK
M7.06 SCALE: NONE

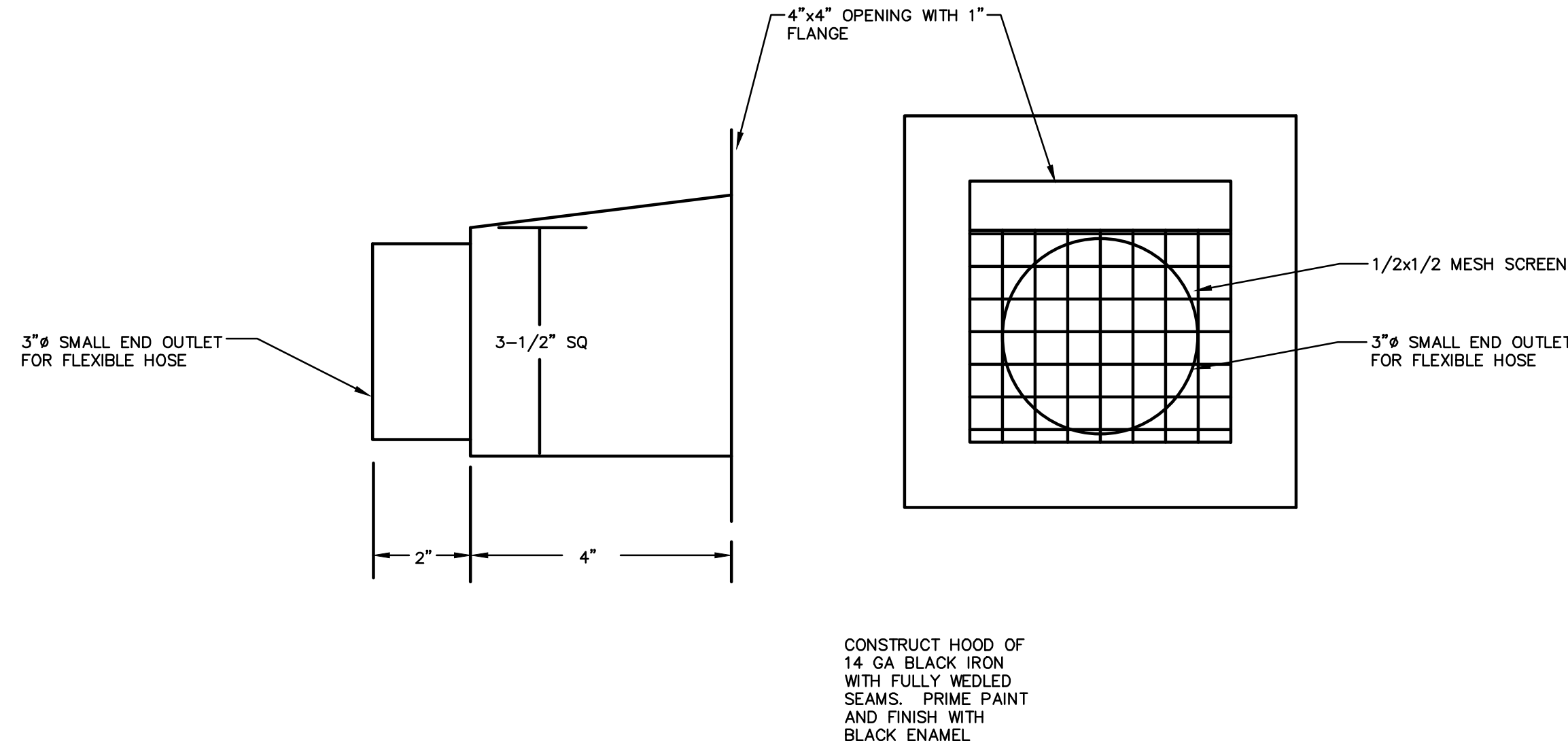


10 CEILING GRILLE TO R.A. PLENUM TRANSFER DUCT DETAIL
M7.06/NOT TO SCALE

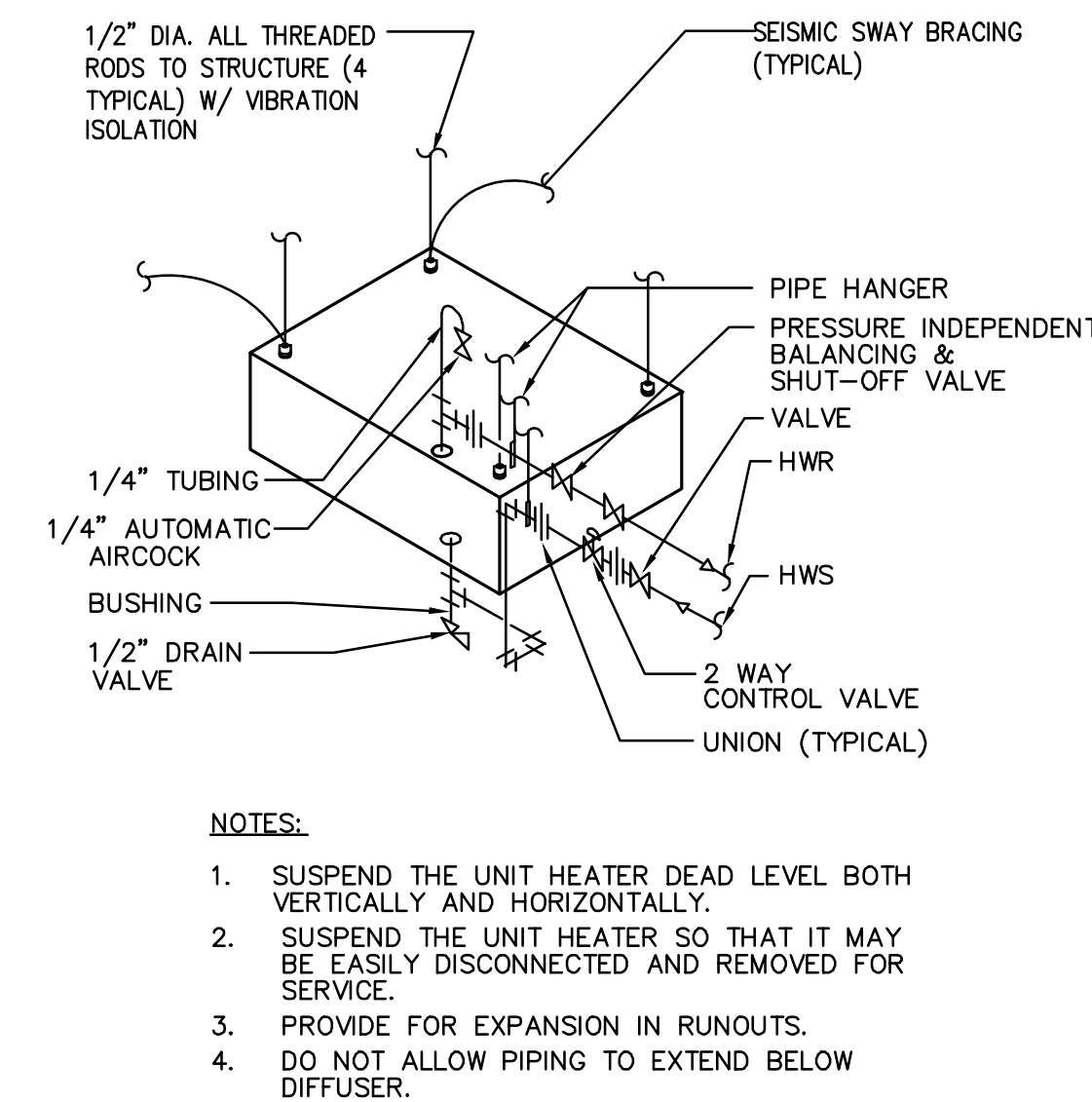
Drawing Title		STATE OF CONNECTICUT	
MECHANICAL DETAILS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NTS
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By RDV Approved By CFR Drawing No.
CAD No.	0532 M-MECH DETAILS.DWG	Project No.	BI-RT-843
			M7.06



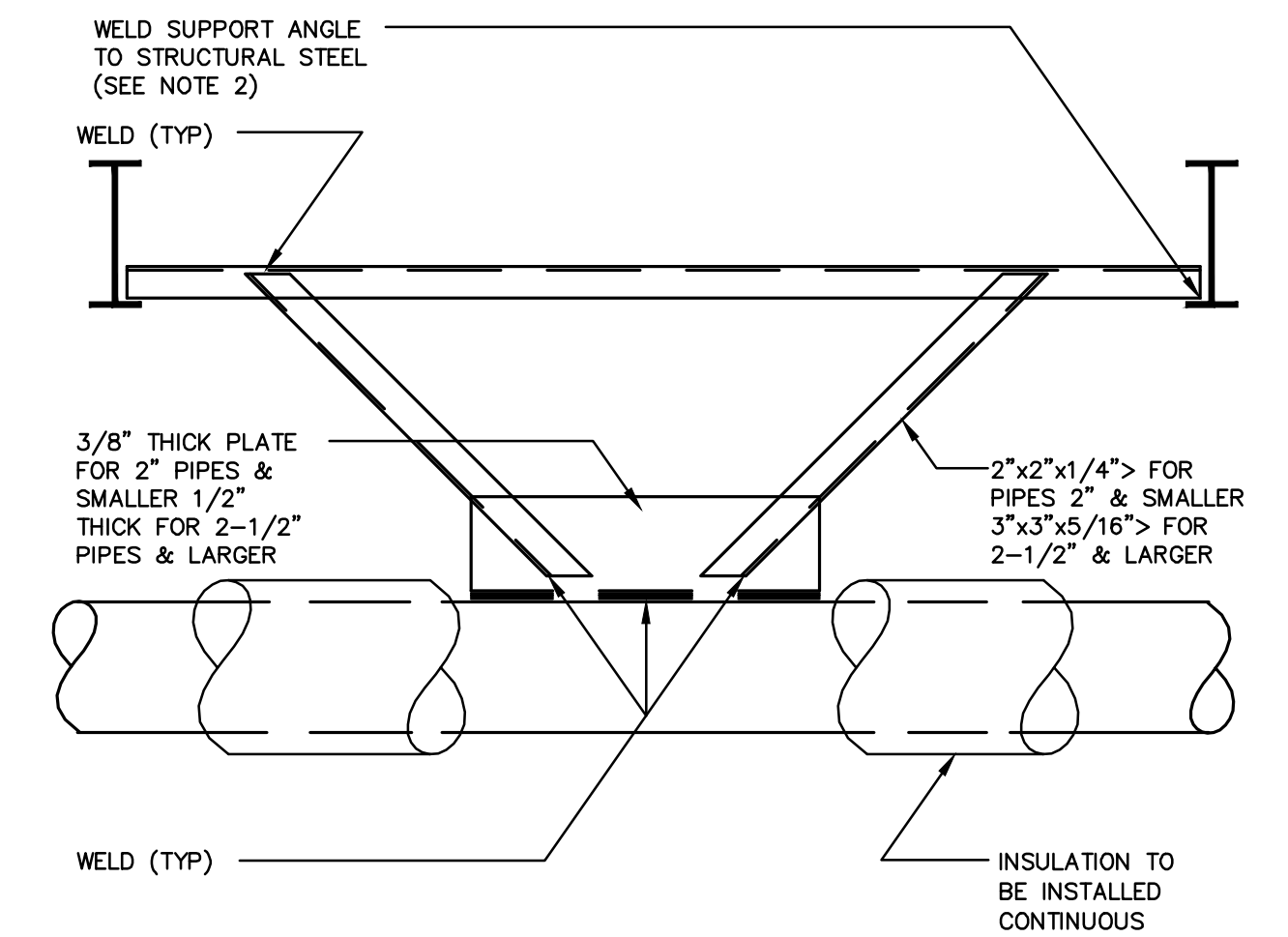
1 BURIED PIPE DETAIL
M7.07 NOT TO SCALE



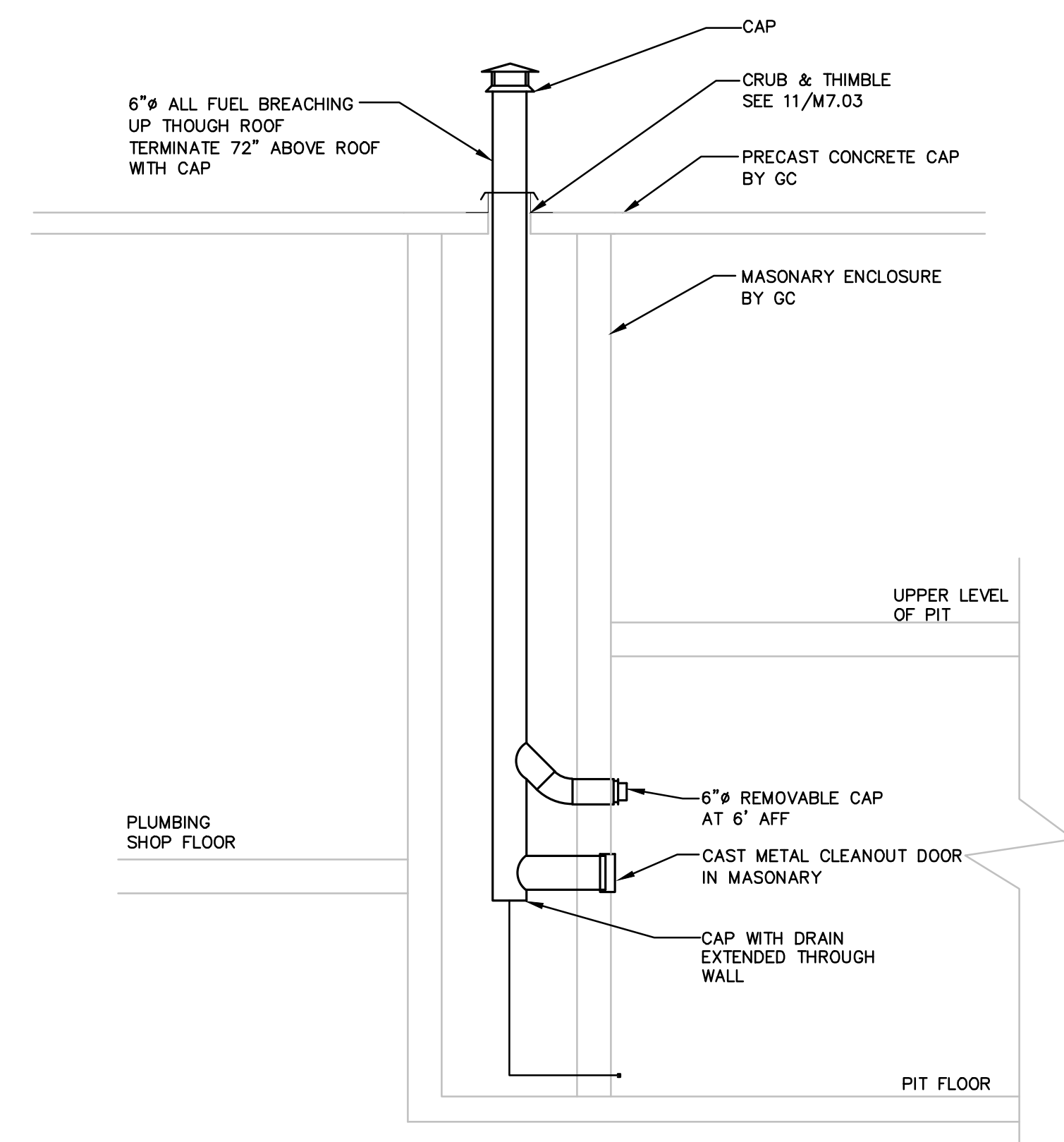
2 SOLDER HOOD DETAIL
M7.07 NOT TO SCALE



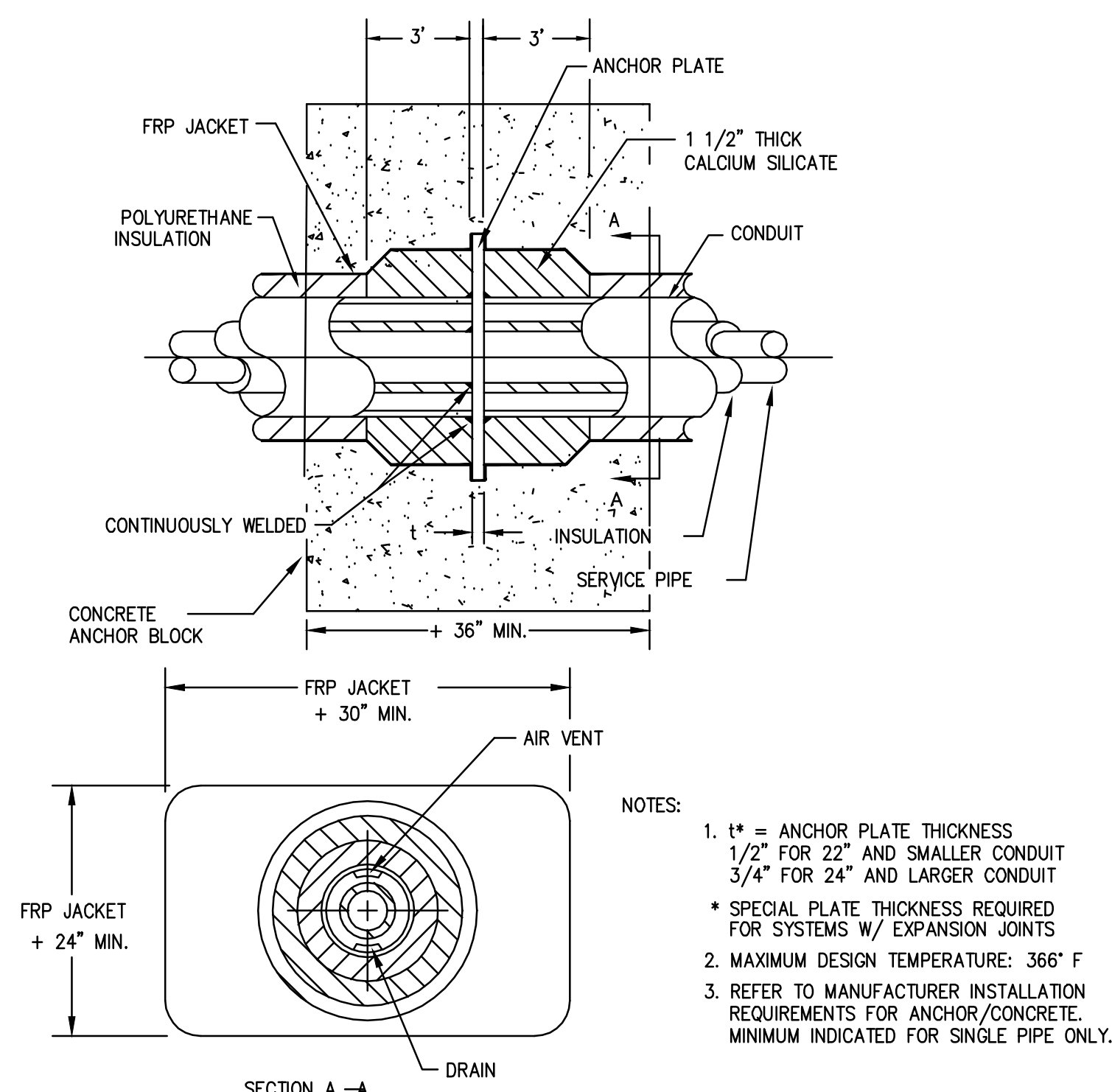
3 HORIZONTAL HOT WATER UNIT HEATER
M7.07 NOT TO SCALE



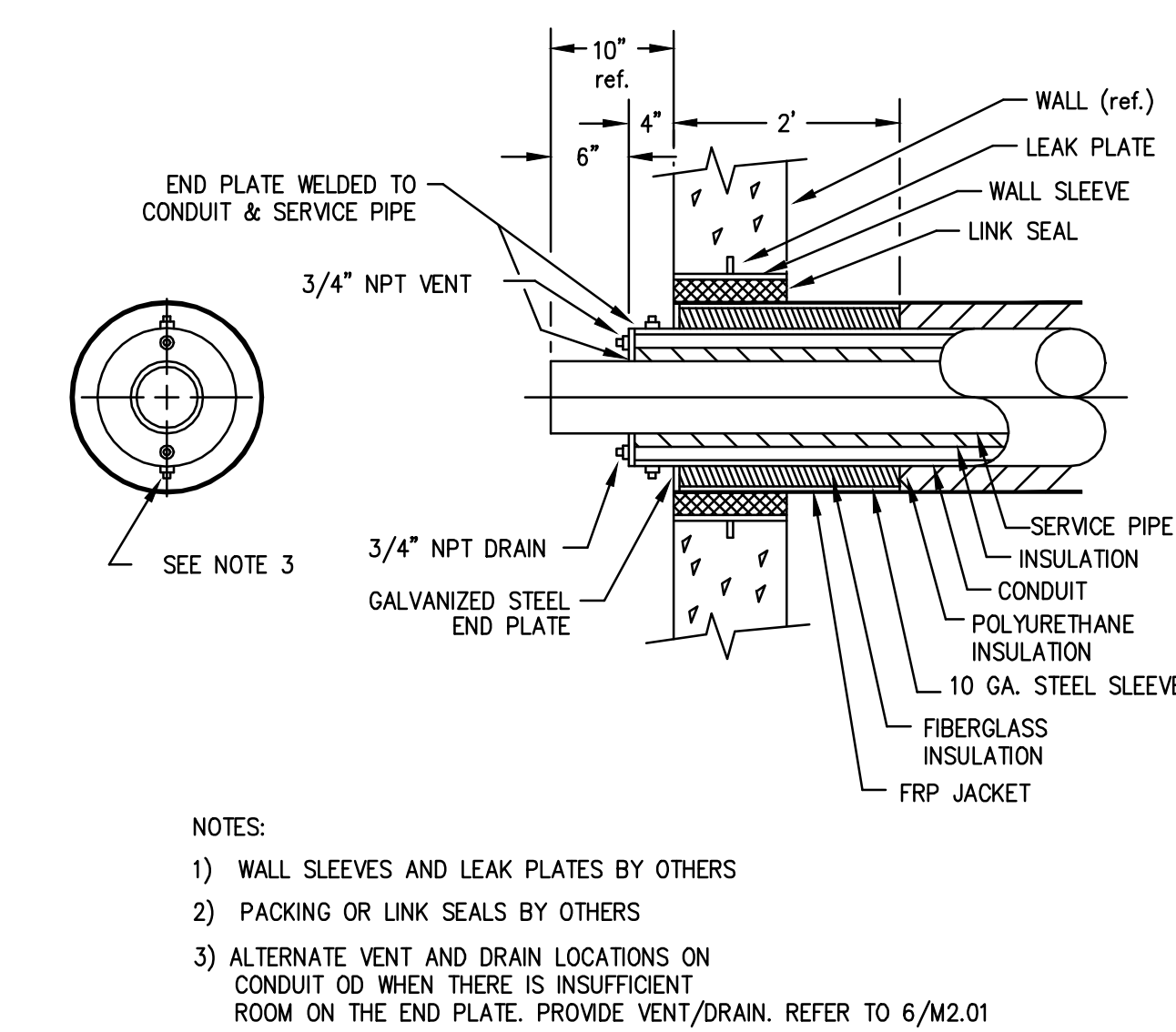
4 PIPE ANCHOR TO STRUCTURAL STEEL DETAIL
M7.07 NOT TO SCALE



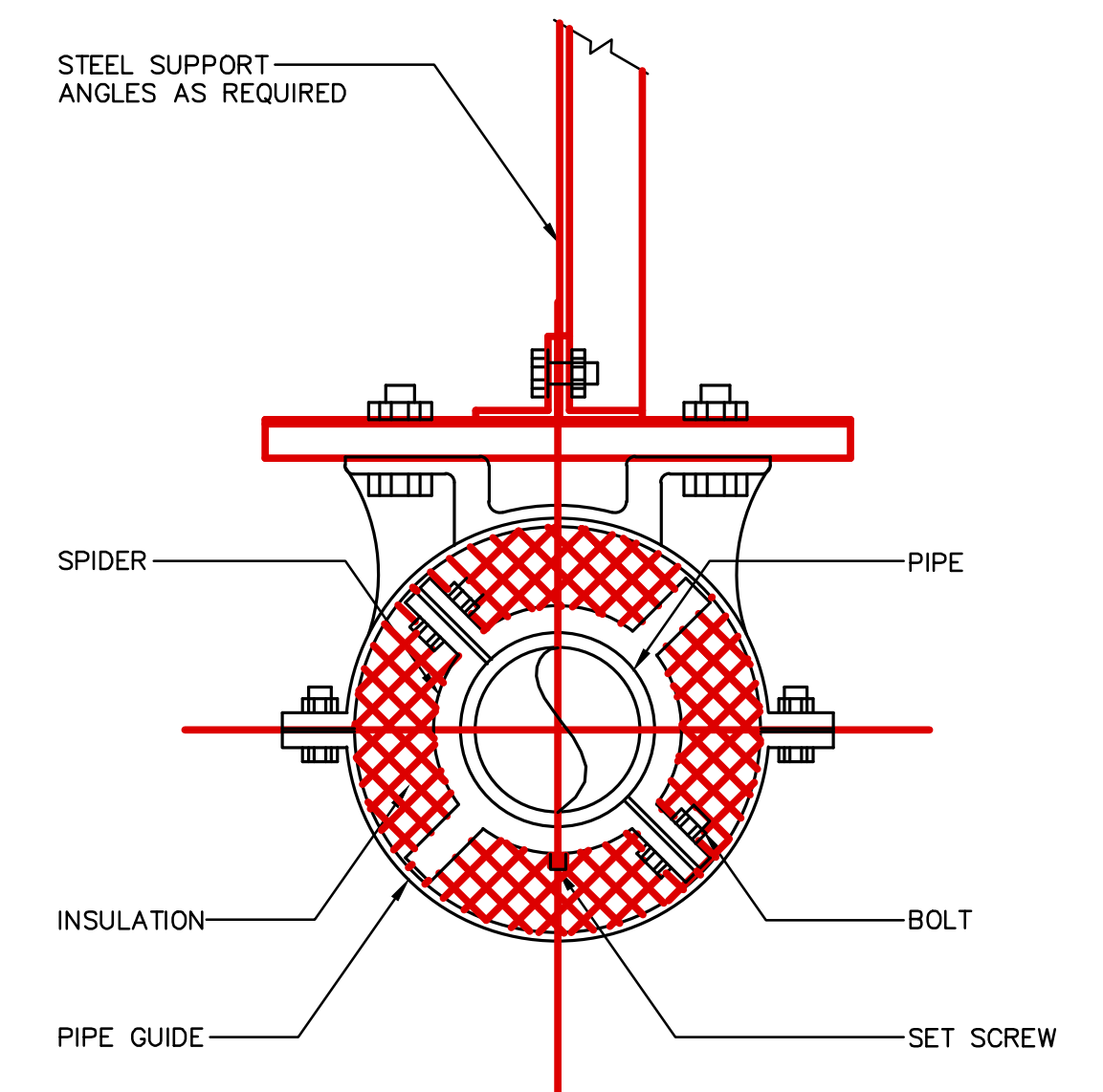
5 PLUMBING SHOP FLUE DETAIL
M7.07 NOT TO SCALE



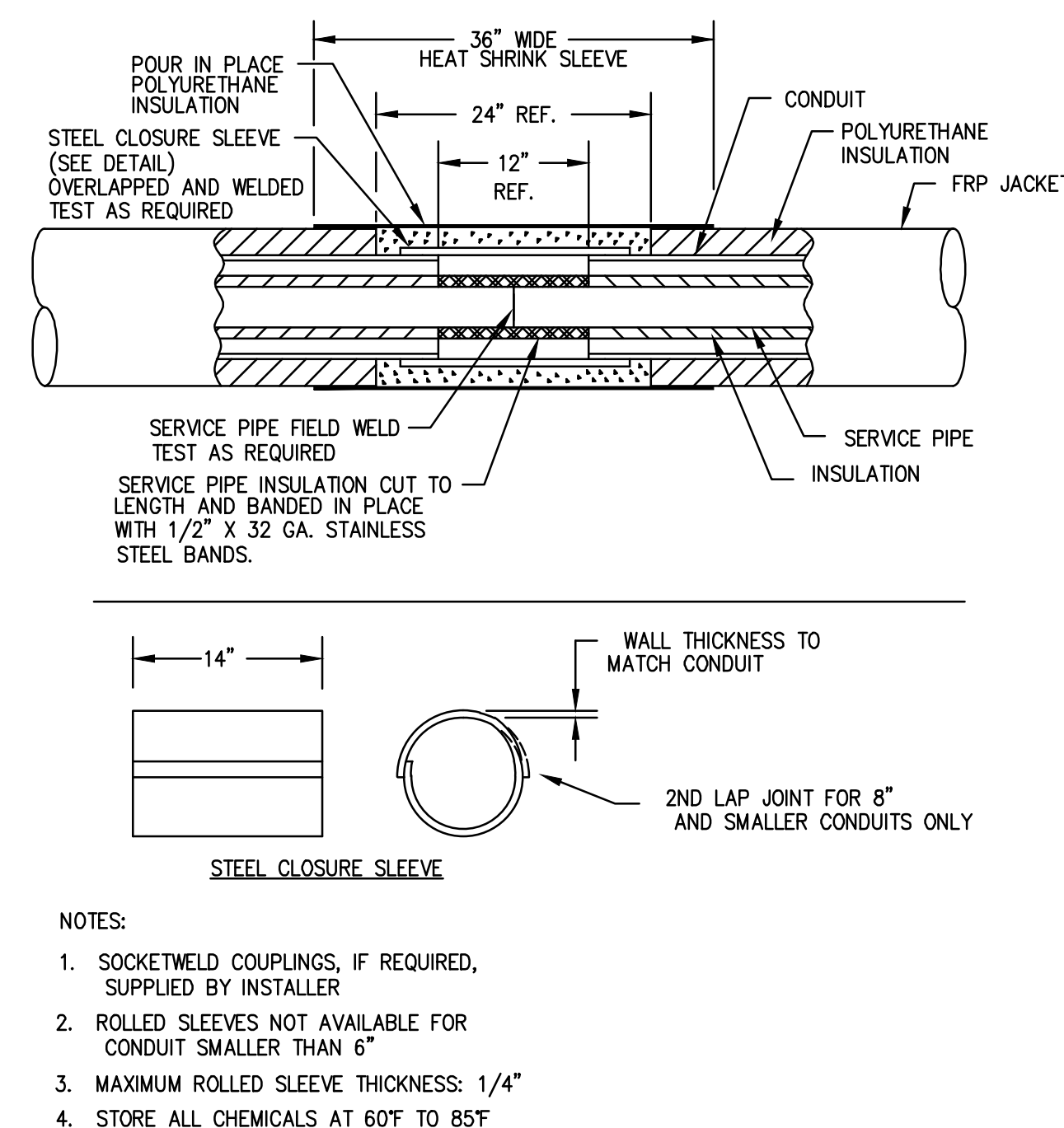
6 TEMP RECTANGULAR ANCHOR ASSEMBLY
M7.07 NOT TO SCALE



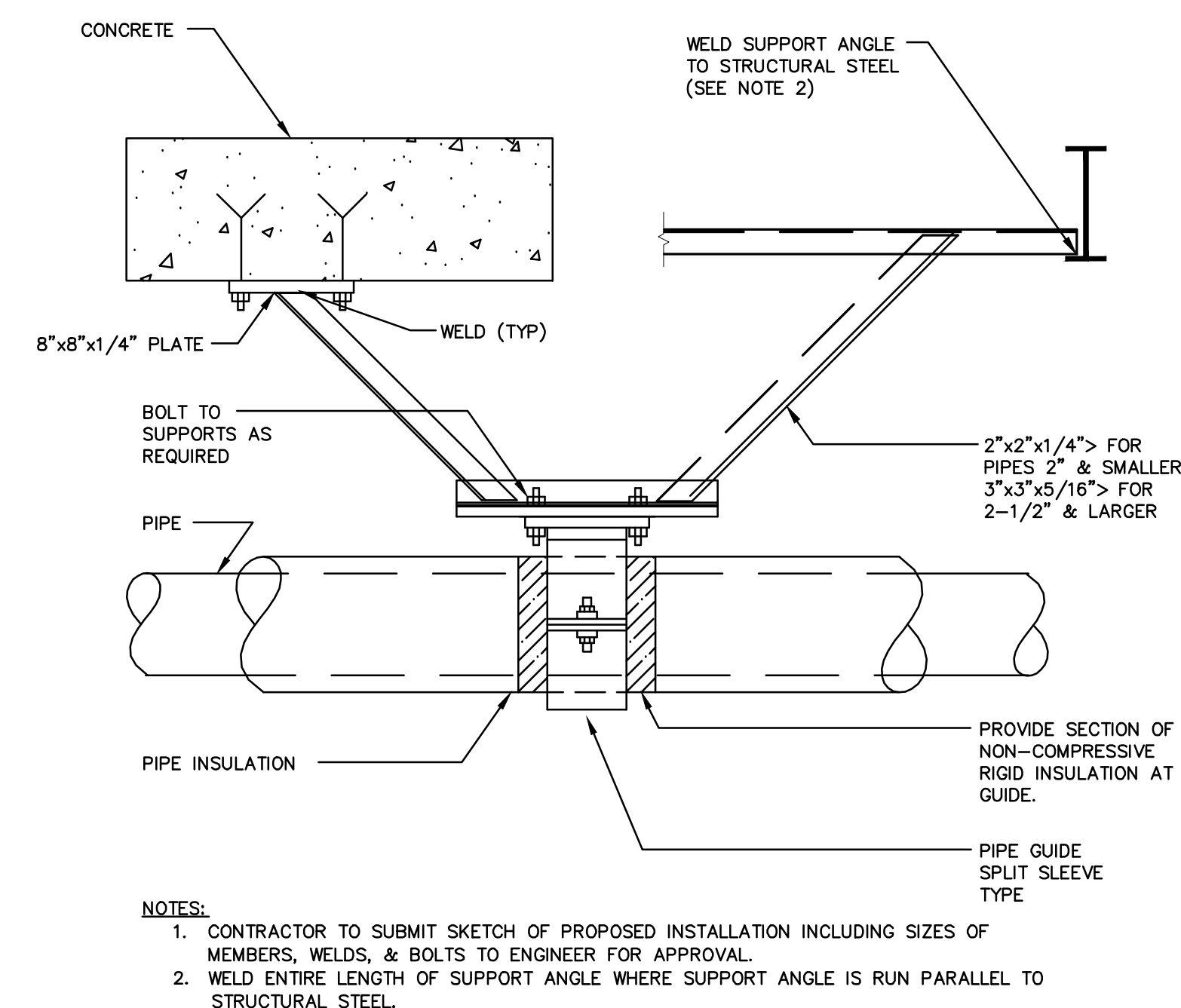
7 END SEAL ASSEMBLY
M7.07 NOT TO SCALE



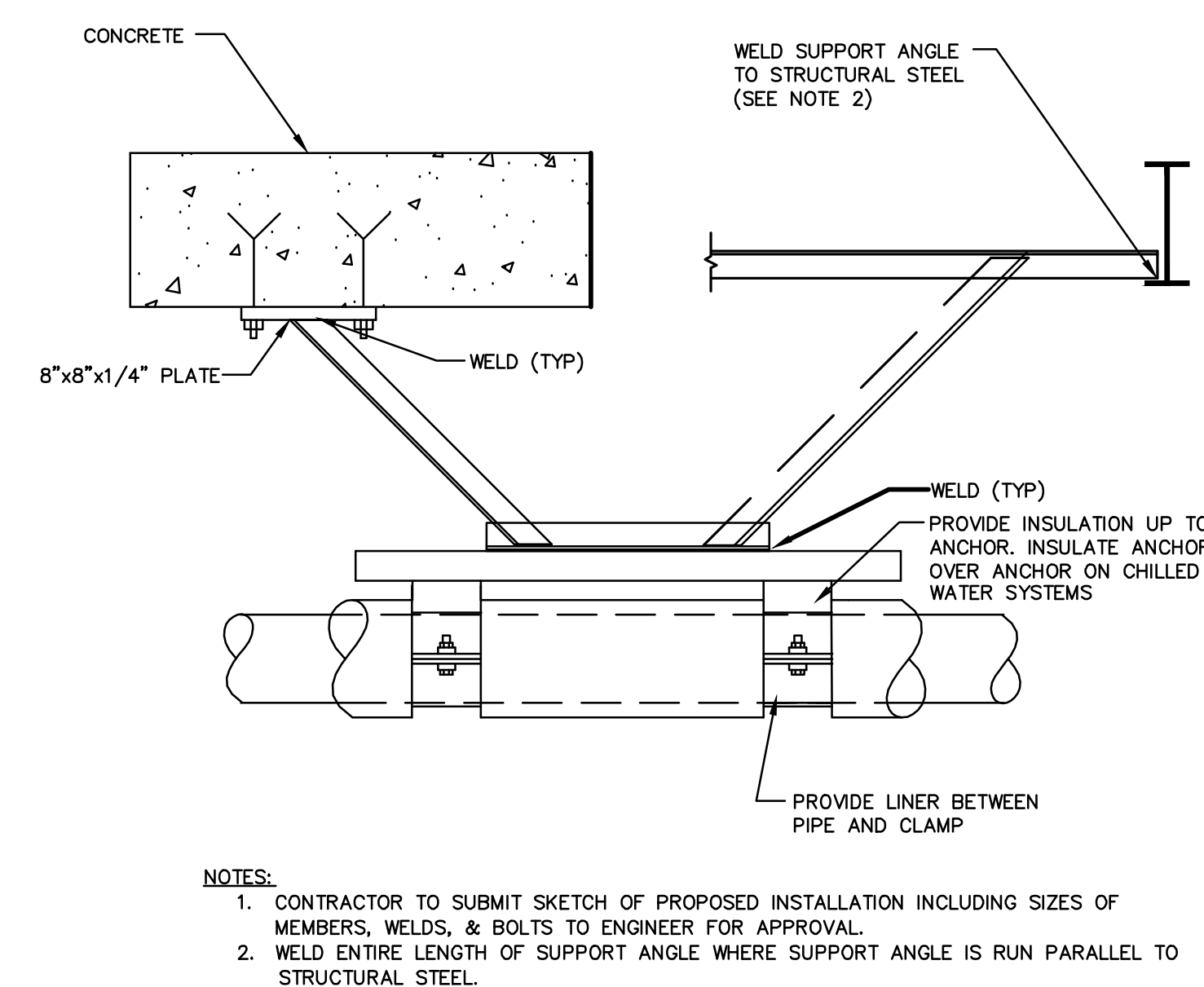
8 PIPE GUIDE INSTALLTION DETAIL
M7.07 NOT TO SCALE



9 FIELD JOINT ASSEMBLY ROLLED SLEEVE & HEAT SHRINK SLEEVE
M7.07 NOT TO SCALE



10 PIPING GUIDE DETAIL
M7.07 NOT TO SCALE



11 PIPING GUIDE INSTALLATION DETAIL
M7.07 NOT TO SCALE

Drawing Title		STATE OF CONNECTICUT	
MECHANICAL DETAILS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Wyllys St, Suite 1-203		Scale	
Hartford, CT 06106		NTS	
Project		Drawn By	
H.C. Wilcox Technical High School		RDV	
Meriden, CT		Approved By	
		CFR	
		Drawing No.	
		M7.07	
CAD No.		Project No.	
0532 M-MECH DETAILS.DWG		BI-RT-843	

SCHEDULE OF SPLIT AIR CONDITIONING UNITS – DATA/IT ROOMS																		
SYMBOL	LOCATION	ROOM CONDITIONS			INDOOR UNIT DATA				OUTDOOR UNIT				REMARKS	SEER				
		TEMP. °F	DB	WB	R.H.	CFM	VOLT	Ø	POWER	MCA	MANUFACTURER AND MODEL #	SYMBOL			CAPACITY (MBH)	VOLT	Ø	MCA
AC-1	DATA ROOMS – SEE PLANS	72	60	50	183-261-335	115	1	0.95 FLA	1.2 A	MITSUBISHI MSA09WA	ACCU-1	9,500	115	1	14	MITSUBISHI MUA09WA	SEE BELOW	13.0
AC-2	HEAD END	72	60	50	222-286-406	115	1	0.95 FLA	1.2 A	MITSUBISHI MSA12WA	ACCU-2	12,000	115	1	16	MITSUBISHI MUA12WA	SEE BELOW	13.0

REMARKS:
1. NON-LOCKING DISCONNECT SWITCH FOR INDOOR UNIT.
2. LOW AMBIENT KIT FOR CONDENSING UNIT.
3. CONDENSER FUSED DISCONNECT SWITCH.
4. SUPPORTS AND SEISMIC VIBRATION ISOLATORS FOR INDOOR AND OUTDOOR UNITS.
5. WALL MOUNTED THERMOSTAT.
6. MITSUBISHI MODEL SH730-115, CONDENSATE PUMP, 115V/1PH.
7. PROVIDE WITH CONTACT SWITCH TO SHUTDOWN CORRESPONDING FAN COIL UNIT OR AIR HANDLER IN THE CASE OF PUMP FAILURE. ALARM SIGNAL TO BE SENT TO BMS. SEE CONTROL SEQUENCE SPEC SECTION.

SCHEDULE OF AIR COOLED CHILLER												CHILLER PERFORMANCE						
SYMBOL	LOCATION	CAPACITY (TON)	CHILLED WATER DATA		CONDENSER DATA		ELECTRICAL DATA			OPERATING WEIGHT	EER	MAKE/MODEL	% LOAD	CAP (TONS)	COMP. POWER (KW)			
			GPM	MAX P.D. (FT)	TEMP. ENT. °F	TEMP. LVG. °F	AIR TEMP. DB°	LOW AMBIENT DB°	VOLT							Ø	MCA	
CH1	OUTDOOR @ GRADE	340	852	30	53	43	95	0	460	3	598	700	27,864 LB	10.3	YORK YCIV0357EA46	50	170	104.7
																25	85	78.1

–HEAT TRACE OF EVAPORATOR BARREL WITH SEPARATE 120V, 1PH, 20A CIRCUIT.
–VFD FOR 3 SCREW COMPRESSORS
–RUBBER ISOLATORS
–COMPRESSOR AND FAN UNITARY SOUND ATTENUATION PACKAGE BY BRD.
–HOUSEKEEPING PADS
–CHILLER TO BE MOUNTED ON OUTDOOR CONCRETE PAD – SEE STRUCTURAL DRAWINGS.
–25% PROPYLENE GLYCOL
–R-134a
–MIN LOAD 34 TONS.
–MIN FLOW 40B GPM.
–2 SPEED CONDENSOR FANS.

FUEL OIL TRANSFER PUMPS														
UNIT NO	LOCATION	SYSTEM SERVED	FLUID	GPH	MAX TEMP	HEAD PSI	MAX BHP	ELECTRICAL				TYPE	MAKE/MODEL	REMARKS
								HP	VOLTS	PH	RPM			
FOP-1	PLUMBING SHOP	HVAC/PLUMBING	#2	32	75	50	–	1/3	120	1	1725	–	PREFERRED UTILITIES AIPS-102-50	–
FOP-2	BOILER ROOM	BOILERS	#2	282	75	50	–	3/4	460	3	1725	–	PREFERRED UTILITIES AIPS-105-50	–

NOTE: PROVIDE WITH DUPLEX STRAINER, UNIT MOUNTED CONTROL PANEL, FIRE SAFETY SHUT OFF VALVE, ANTI SYPHON VALVE AND LOOP CONTROL CABINET. PUMPS SHALL BE STARTED MANUALLY VIA CORRESPONDING SWITCH OR AUTOMATICALLY THROUGH BMS.

BOILERS												
UNIT NO	LOCATION	TYPE	GROSS INPUT MBH	GROSS OUTPUT MBH	FUEL OIL/GAS	OIL FIRING RATE	ELECTRICAL				MAKE/MODEL	REMARKS
							HP	VOLTS	PH	RPM		
B-1	BOILER RM C143	CAST IRON	8660	6970	OIL/GAS	60.0	7.5	460	3	–	WEIL MCLAIN #2594	

–FULL MODULATING BURNER 3-1 TURNDOWN.
–DUAL FUEL (NATURAL GAS AND NO. 2 OIL)
–REMOTE FUEL OIL PUMP 1HP, 460V, 3Ø
–PROVIDE NEW BURNERS FOR EACH EXISTING BOILER TO MATCH BURNER SPECIFIED FOR B-1 INCLUDING REMOTE FUEL OIL PUMPS.

SCHEDULE OF ELECTRIC DUCT COILS												
SYMBOL	LOCATION	AREA SERVED	CAPACITY (KW)	AIR DATA			COIL DATA		ELECTRICAL		REMARKS	
				CFM	MAX. P. D. IN. W. G.	TEMP. ENT. D.B. °F	TEMP. LVG. D.B. °F	MIN. FACE AREA (SF)	STEPS	V		PH
EDC-1	CLG	SCIENCE CLAB A226	9	1700	0.1	55	70	2.0	SCR	460	3	BRASCH
EDC-2	CLG	SCIENCE CLAB A225	9	1700	0.1	55	70	2.0	SCR	460	3	BRASCH

REMARKS:
1. PROVIDE SUPPORTS.
2. FLANGE TYPE ELECTRIC HEATER.
3. SCR CONTROL
4. AIRFLOW PROOF SWITCH

RADIATION											
UNIT NO	LOCATION	EWT	LWT	OUTPUT BTU/FT	PANEL HGT	NO PANEL	TUBE		ENCLOSURE TYPE	MAKE/MODEL	REMARKS
							SIZE	MATL			
RAP-1	MULTI-PURPOSE	180	160	560	5.63"	2	1/2"	COPPER	PEDASTAL	RITTLING HYDRONICS PR2-2	COLOR BY ARCH

REGISTERS, GRILLES & DIFFUSERS											
SYM	SERVICE	TYPE	MAKE	MODEL	MATERIAL FINISH	NECK SIZE	FACE SIZE	CFM RANGE	BORDER TYPE	ACCESSORIES	REMARKS
						8"Ø	24x24	151-230			
						10"Ø	24x24	231-300			
						12"Ø	24x24	301-400			
						14"Ø	24x24	401-500			
						16"Ø	24x24	501-600			
Ⓑ	RET/EXH	CG	TITUS	PAR	BY ARCH	22x22	24x24	0-1800	BY ARCH	24"Lx24"Wx14"H A.L. PLENUM	
Ⓒ	RET/EXH	CG	TITUS	PAR	BY ARCH	22x22	24x24	0-1800	BY ARCH		
Ⓓ	RET/EXH	TR	TITUS	355 RL	BY ARCH	12x8	14x10	0-500	BY ARCH		
						22x10	24x12	501-800			
Ⓔ	SUPPLY	TR	TITUS	272 RL	BY ARCH	14x6	16x8	0-400	BY ARCH	OPPOSED BLADE DAMPER	
						18x10	16x14	401-720			
						18x12	20x14	721-1050			
						30x12	32x14	1051-1600			
						36x14	38x16	1601-2250			
Ⓕ	RET/EXH	CG	TITUS	355 RL	BY ARCH	10x10	12x12	0-500	BY ARCH		
Ⓖ	SUPPLY	LD	TITUS	CT-480	BY ARCH	REFER TO PLAN	REFER TO PLAN	REFER TO PLAN	BY ARCH	W/ A.L. FIELD PLENUM	
Ⓗ	SUPPLY	LD	TITUS	ML-38	BY ARCH	REFER TO PLAN	REFER TO PLAN	REFER TO PLAN	BY ARCH	W/ FACTORY A.L. PLENUM	
Ⓘ	RETURN	CR	TITUS	355 RL	BY ARCH	22x22	24x24	1000-2700	BY ARCH		
Ⓙ	SUPPLY	LD	TITUS	CT-580	BY ARCH	REFER TO PLAN	REFER TO PLAN	REFER TO PLAN	BY ARCH	W/ A.L. FIELD PLENUM	
Ⓚ	SUPPLY	TR	TITUS	300RS	STEEL	26x16	26x18	1230-1500	BY ARCH	W/ A.L. FIELD PLENUM	
Ⓛ	SUPPLY	TR	TITUS	TMR	STEEL	12"Ø	22"Ø	0-600	BY ARCH		

Drawing Title		STATE OF CONNECTICUT	
MECHANICAL SCHEDULES		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale N.T.S.
		Approved By CFR	Drawn By WJY
		Project No. BI-RT-843	Approved By CFR
		CAD No. 0532 M-SCHEDULES.DWG	Drawing No. M8.01

AIR HANDLING UNITS

GENERAL NOTE: REFER TO M5.01-M5.06 FOR UNIT CONFIGURATION

Main equipment schedule table with columns for UNIT NO, LOCATION, SERVES, SUPPLY FAN SECTION, EXHAUST FAN SECTION, CHILLED WATER COIL, and HOT WATER COIL. Includes rows for units AHU-1 through HRU-2.

- 1 PROVIDE INVERTER DUTY MOTORS FOR SUPPLY AND/OR RELIEF FANS FOR VFDs
2 REFER TO DRAWINGS M.5.09 FOR AIR-HANDLER ELEVATIONS AND SECTIONS
3 AIR-TO-AIR HEAT RECOVERY PLATE HX W/ BYPASS

- 4 VIBRATION ISOLATION AND SUPPORTS FOR CLG. HUNG INSTALLATION
5 MIXING BOX SECTION FOR OUTSIDE AIR INTAKE & OUTDOOR AIR DIFFERENTIAL ENTHALPY AIR SIDE ECONOMIZER
6 RELIEF FAN SECTION
7 NOT USED
8 INTEGRAL FACE & BYPASS SECTION FOR HOT WATER COIL
9 30% PREFILTERS MERV 11 WITH 65#-12" FINAL FILTERS. (MERV 13)
10 15" ACCESS SECTIONS AS DENOTED ON AHU SECTIONS AND DETAILS

- 11 PREMIUM EFFICIENCY FAN MOTORS
12 PREFILTERS MERV 11
13 NOT USED
14 ROOF CURB. SEE SEISMIC SPECIFICATION AND SCHEDULE.
15 CONNECT HRU-1 TO OUTSIDE AIR AND EXHAUST AIR DUCTS TO SERVE ART ROOMS. SEE HRU-1 SCHEDULE.
16 CONNECT HRU-2 TO OUTSIDE AIR AND EXHAUST AIR DUCTS TO SERVE SCIENCE CLABS. SEE HRU-2 SCHEDULE.
17 NOT USED
18 EXTERNAL PIPING VESTIBULE
19 RECIRCULATION DAMPER
20 VFD'S UNIT MOUNTED & SINGLE POINT POWER CONNECTION W/ EXTERNAL DISCONNECT SUPPLIED BY MANUFACTURE.(SINGLE POINT POWER)
21 STARTERS UNIT MOUNTED & SUPPLIED BY MANUFACTURE

HV-6A AIR-TO-AIR HEAT RECOVERY UNIT

Table for HV-6A unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. PROVIDE FLEXIBLE DUCT CONNECTIONS. SEE EQUIPMENT DETAIL.

HV-7A AIR-TO-AIR HEAT RECOVERY UNIT

Table for HV-7A unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, AIR BYPASS DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. PROVIDE FLEXIBLE DUCT CONNECTIONS. SEE EQUIPMENT DETAIL.

AHU-5 AIR-TO-AIR HEAT RECOVERY UNIT

Table for AHU-5 unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, CIRCULATION AND EXHAUST AIR BYPASS DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. PROVIDE VIBRATION ISOLATORS AND SUPPORTS FOR CEILING MOUNTED INSTALLATION. PROVIDE FLEXIBLE DUCT CONNECTIONS. SEE EQUIPMENT DETAIL.

HRU-1 AIR-TO-AIR HEAT RECOVERY UNIT

Table for HRU-1 unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, AIR BYPASS DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. PROVIDE VIBRATION ISOLATORS AND SUPPORTS FOR CEILING MOUNTED INSTALLATION. PROVIDE FLEXIBLE DUCT CONNECTIONS. SEE EQUIPMENT DETAIL.

HV-6B AIR-TO-AIR HEAT RECOVERY UNIT

Table for HV-6B unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. SEE EQUIPMENT DETAIL.

HV-7B AIR-TO-AIR HEAT RECOVERY UNIT

Table for HV-7B unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, BYPASS DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. PROVIDE FLEXIBLE DUCT CONNECTIONS. SEE EQUIPMENT DETAIL.

HRU-2 AIR-TO-AIR HEAT RECOVERY UNIT

Table for HRU-2 unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, BYPASS DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. PROVIDE VIBRATION ISOLATORS AND SUPPORTS FOR CEILING MOUNTED INSTALLATION. PROVIDE FLEXIBLE DUCT CONNECTIONS. SEE EQUIPMENT DETAIL AND MECHANICAL ROOM PART PLAN.

RADIANT PANEL

Table for radiant panel showing location, dimensions, and material specifications.

RADIANT PANELS TO RUN WALL TO WALL. PROVIDE DUMMY SECTIONS WHERE LENGTHS INDICATED DO NOT FIT ENTIRE WALL LENGTH.

AHU-3 AIR-TO-AIR HEAT RECOVERY UNIT

Table for AHU-3 unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, CIRCULATION AND EXHAUST AIR BYPASS DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. SEE EQUIPMENT DETAIL AND MECHANICAL ROOM PART PLAN.

HV-8 AIR-TO-AIR HEAT RECOVERY UNIT

Table for HV-8 unit showing airflow, temperature, and humidity data for summer and winter conditions.

HEAT EXCHANGER SECTION TO INCLUDE PLATE HEAT EXCHANGER, OUTSIDE AIR, CIRCULATION AND EXHAUST AIR BYPASS DAMPERS, SUPPLY FAN, EXHAUST FAN, VARIABLE SPEED DRIVES AND 30% FILTER. PROVIDE FLEXIBLE DUCT CONNECTIONS. SEE EQUIPMENT DETAIL AND MECHANICAL ROOM PART PLAN.

PUMPS

Table for pumps showing unit location, system served, fluid, and electrical specifications.

- 1. PROVIDE VARIABLE FREQUENCY DRIVE.
2. PROVIDE 4" HOUSEKEEPING PAD.
3. PROVIDE MOUNTING SUPPORTS AND SEISMIC ISOLATORS.
4. PROVIDE SUCTION DIFFUSER.
5. PROVIDE FLEX CONNECTORS.
6. PROVIDE WITH CONTACT SWITCH TO SHUTDOWN CORRESPONDING FAN COIL UNIT OR AIR HANDLER IN THE CASE OF PUMP FAILURE. ALARM SIGNAL TO BE SENT TO BMS. SEE CONTROL SEQUENCE SPEC SECTION.

Drawing title block including project name (STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS), drawing number (0532 M-SCHEDULES.DWG), date (1/28/2011), and other project details.

FANS

Table with columns: UNIT NO, LOCATION, SYSTEM SERVED, TYPE, CFM, SP, MAX BHP, FAN RPM, TIP SPEED, SOUND SONES, ELECTRICAL (HP, VOLTS, PH, RPM), DAMPER TYPE, MAKE/MODEL, REMARKS. Lists various fan units across different locations and systems.

FANS

Table with columns: UNIT NO, LOCATION, SYSTEM SERVED, TYPE, CFM, SP, MAX BHP, FAN RPM, TIP SPEED, SOUND, ELECTRICAL (HP, VOLTS, PH, RPM), DAMPER TYPE, MAKE/MODEL, REMARKS. Lists various fan units across different locations and systems.

- 1. CURB FOR SIDE WALL MOUNT
2. PROVIDE EXHAUSTO EBC30 CONTROL PANEL, 120V, 1PH, 6.3A, XTP SENSOR & PROB, GFCI/CX MFR BOX FOR GFCI2, 120V 6A, ACMA SPARK B, 1 1/2" CHIMNEY ADAPTER, DISCONNECT SWITCH & WALL CURB
3. BUTTERFLY CAP
4. NOT USED
5. NOT USED
6. NOT USED
7. NOT USED
8. BLOWER CAP
9. SPEED CONTROLLER
10. OWNER FURNISHED CONTRACTOR INSTALLED
11. FAN MANUFACTURE TO PROVIDE CURB, FAN, & DISCHARGE SECTION TO EXTEND 10' ABOVE ROOF. EXT. STATIC DOES NOT INCLUDE EXIT CONE LOGGERS, HIGH-PRO POLYESTER CASTING, ADJUSTABLE SLEEVE NOZZLE SIZE 6, GRAVITY INLET DAMPERS
12. FAN SHALL SELF SUPPORT TO 10' ABOVE ROOF W/O GYE WIRES
13. FIELD FABRICATED WEATHER PROOF MOTOR ENCLOSURE
14. PROVIDE EXHAUSTO EBC30 CONTROL PANEL, 120V, 1PH, 6.3A, XTP SENSOR & PROB, OUTDOOR STATIC PRESSURE SENSOR W/SENSOR, TUBING AND HARDWARE.

SCHEDULE OF ROOFTOP PENTHOUSES

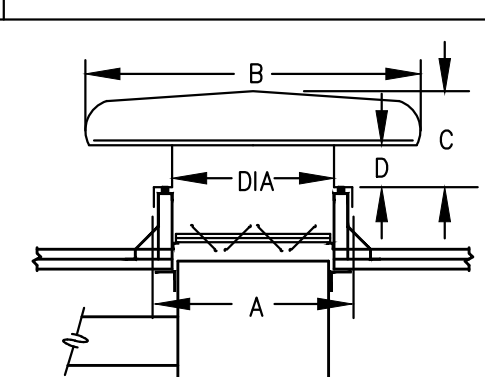
Table with columns: SYMBOL, AREA/SYSTEM SERVED, TYPE, DAMPER TYPE, CFM, MAX. S. P. DROP, DIMENSIONS (THROAT, HOOD), WEIGHT, MAKE/MODEL. Lists various rooftop penthouse units.

NOTES: 1. ALL PENTHOUSES TO HAVE BIRD SCREENS 2. PROVIDE ROOF CURB

SCHEDULE OF ROOFTOP CAPS

Table with columns: SYMBOL, AREA/SYSTEM SERVED, TYPE, DAMPER TYPE, CFM, MAX. S. P. DROP, DIMENSIONS (A, B, C, D, DIA), WEIGHT, MAKE/MODEL. Lists various rooftop cap units.

- NOTES: 1. PROVIDE 12" ROOF CURB. 2. PROVIDE BACKDRAFT DAMPER FOR RC -# ONLY. 3. PROVIDE BIRD SCREEN. 4. FINISH BY ARCHITECT. 5. SEE FLOOR PLANS FOR QUANTITY.



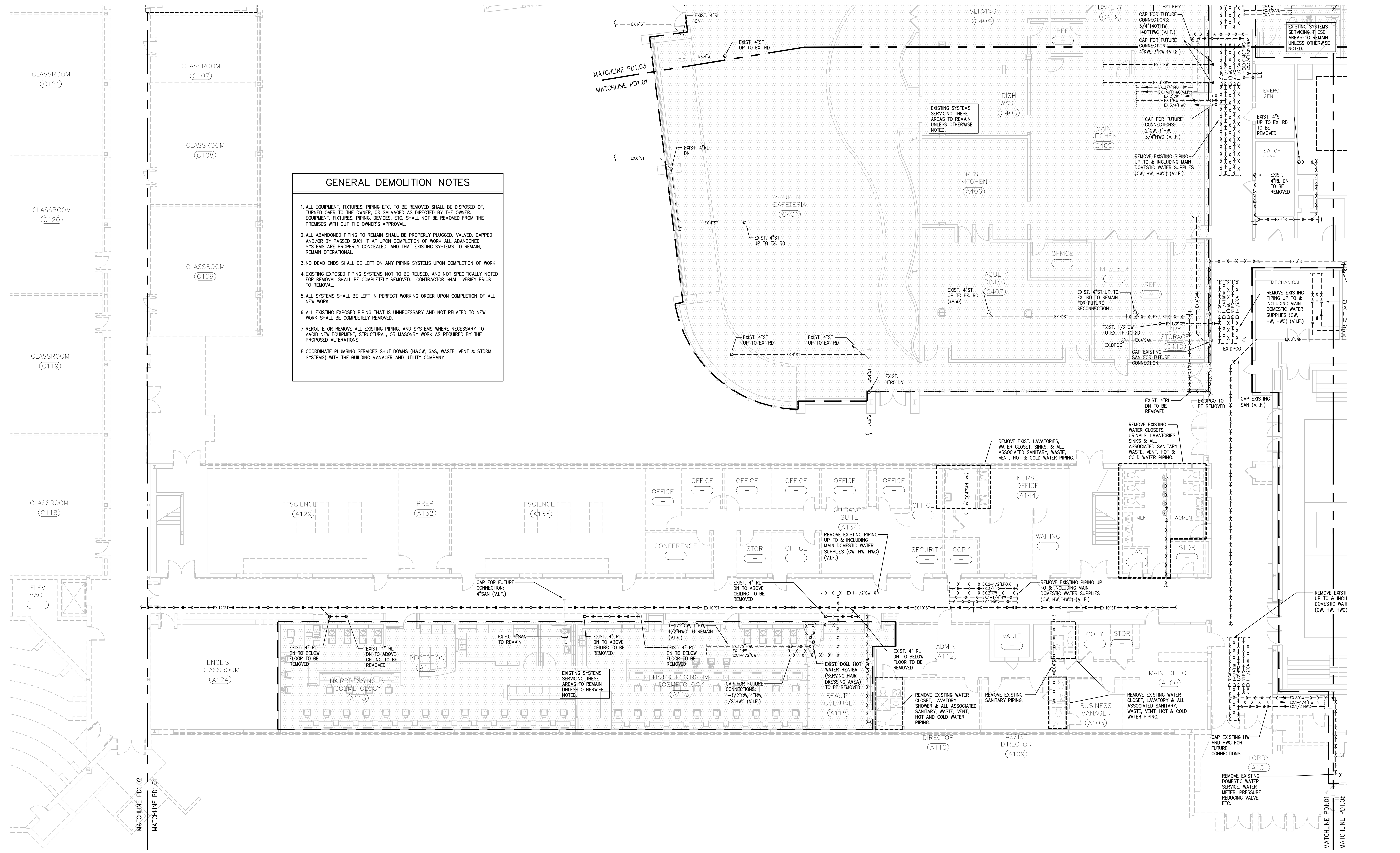
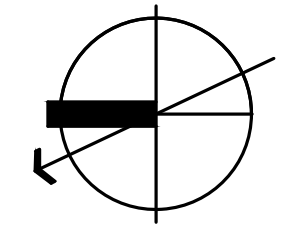
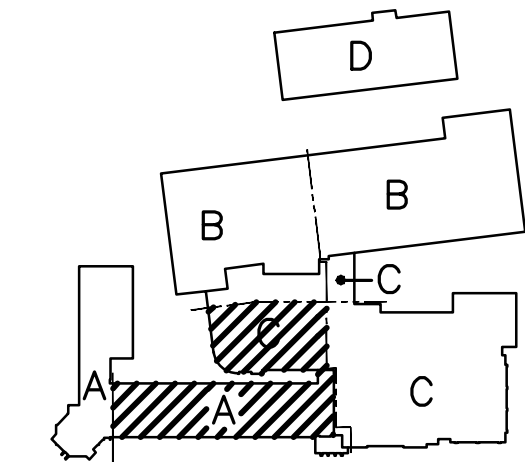
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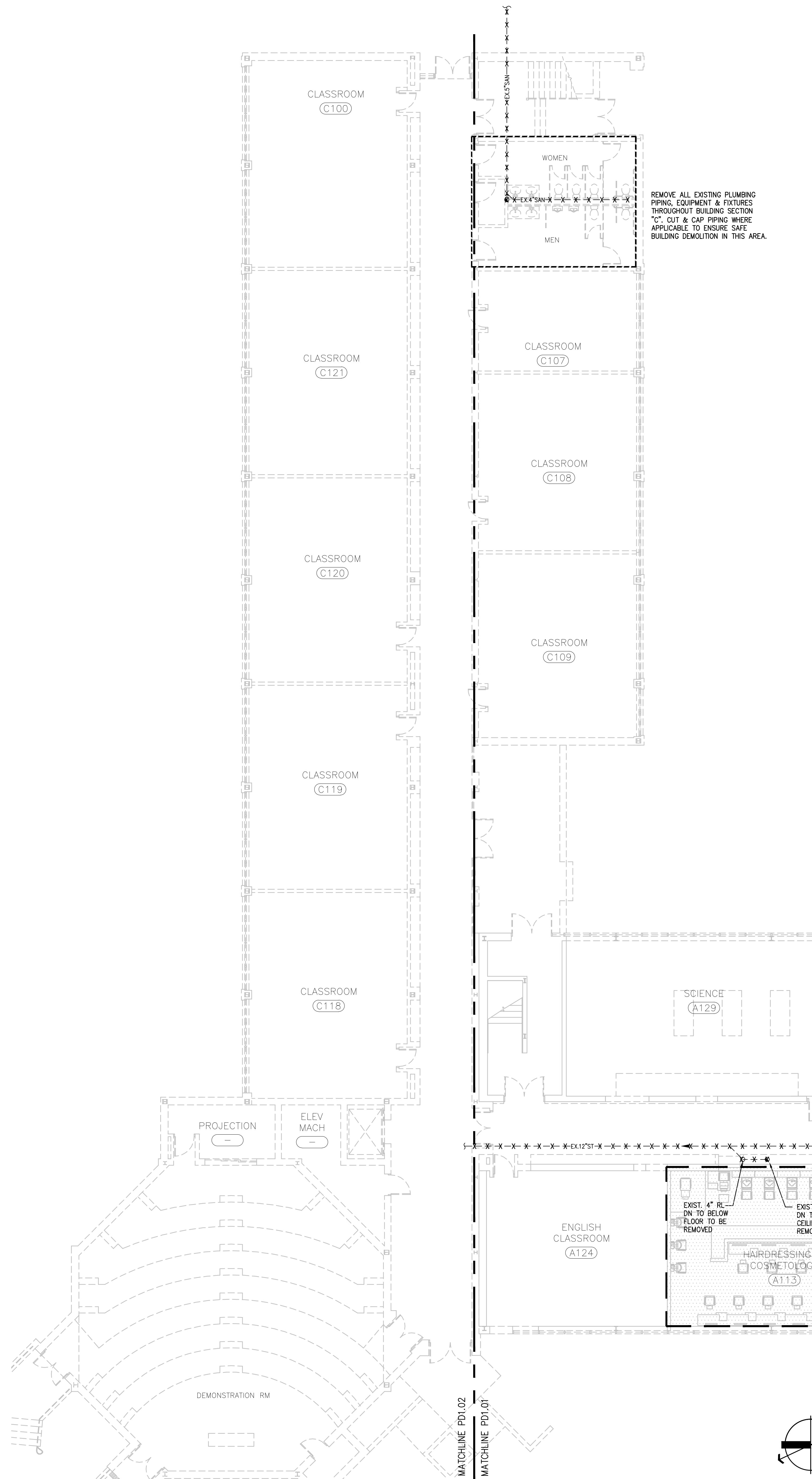
GENERAL DEMOLITION NOTES

1. ALL EQUIPMENT, FIXTURES, PIPING ETC. TO BE REMOVED SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, FIXTURES, PIPING, DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITH OUT THE OWNER'S APPROVAL.
2. ALL ABANDONED PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL ABANDONED SYSTEMS ARE PROPERLY CONCEALED, AND THAT EXISTING SYSTEMS TO REMAIN, REMAIN OPERATIONAL.
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8. COORDINATE PLUMBING SERVICES SHUT DOWNS (H&CW, GAS, WASTE, VENT & STORM SYSTEMS) WITH THE BUILDING MANAGER AND UTILITY COMPANY.

1 FIRST FLOOR DEMOLITION PLAN - AREA "A" & "C"
 PD1.01 SCALE: 1/8"=1'-0"

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN AREA "A" & "C" - PLUMBING		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JJK Drawing No. PD1.01
CAD No.	0532 P-DD-FIRST FLR DEMO	Project No.	BI-RT-843

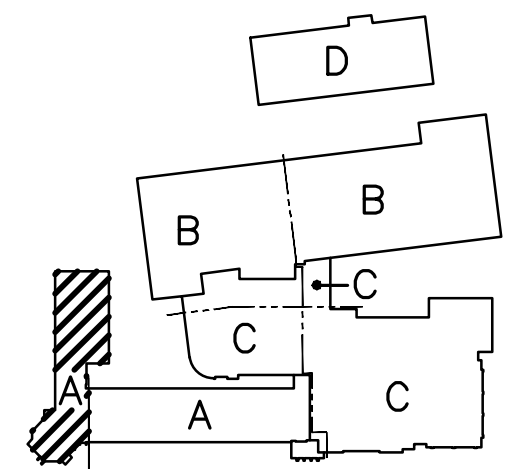




1 FIRST FLOOR DEMOLITION PLAN - AREA "A"
 PD1.02 / SCALE: 1/8"=1'-0"

GENERAL DEMOLITION NOTES	
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Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN AREA "A" - PLUMBING		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By SLF	Approved By JEK
CAD No. 0532 P-DD-FIRST FLR DEMO		Project No. BI-RT-843	Drawing No. PD1.02





GENERAL CONTRACTOR TO VERIFY ANY ADDITIONAL PLUMBING FIXTURES SLATED FOR REMOVAL. COORDINATE WITH ARCHITECT & OWNER.

REMOVE ALL EXISTING SANITARY, WASTE, VENT, STORM, GAS, COMPRESSED AIR, HOT & COLD WATER PIPING.

REMOVE ALL EXISTING SANITARY, WASTE, VENT, STORM, GAS, COMPRESSED AIR, HOT & COLD WATER PIPING.

REMOVE ALL EXISTING SANITARY, WASTE, VENT, STORM, GAS, COMPRESSED AIR, HOT & COLD WATER PIPING.

REMOVE EXISTING PLUMBING FIXTURES & ALL ASSOCIATED SANITARY, WASTE, VENT, HOT & COLD WATER PIPING.

REMOVE EXISTING PLUMBING FIXTURES & ALL ASSOCIATED SANITARY, WASTE, VENT, HOT & COLD WATER PIPING.

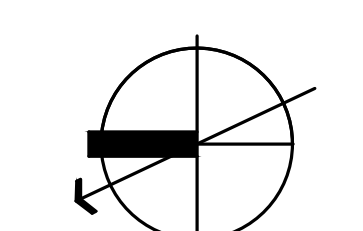
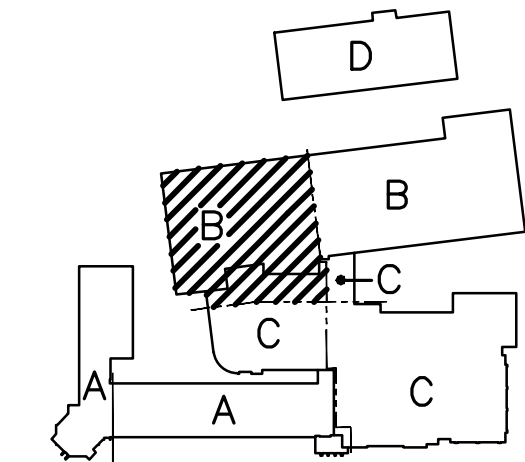
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1 FIRST FLOOR DEMOLITION PLAN - AREA "B" & "C" PD1.03 SCALE: 1/8"=1'-0"

Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - PLUMBING		REVISIONS	
Mark			
CAD No. 0532 P-DD FIRST FLR DEMO	Project No. BI-RT-843	Drawing Prepared By: Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0" Drawn By: SLF Approved By: JEK Drawing No: PD1.03





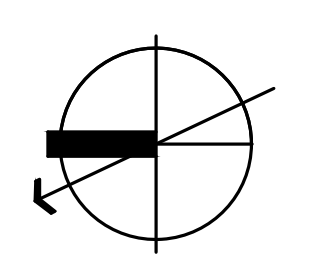
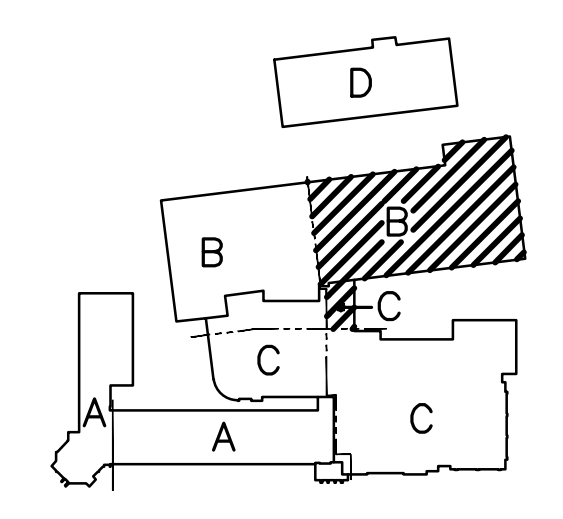
GENERAL CONTRACTOR TO VERIFY ANY ADDITIONAL PLUMBING FIXTURES SLATED FOR REMOVAL. COORDINATE WITH ARCHITECT & OWNER.

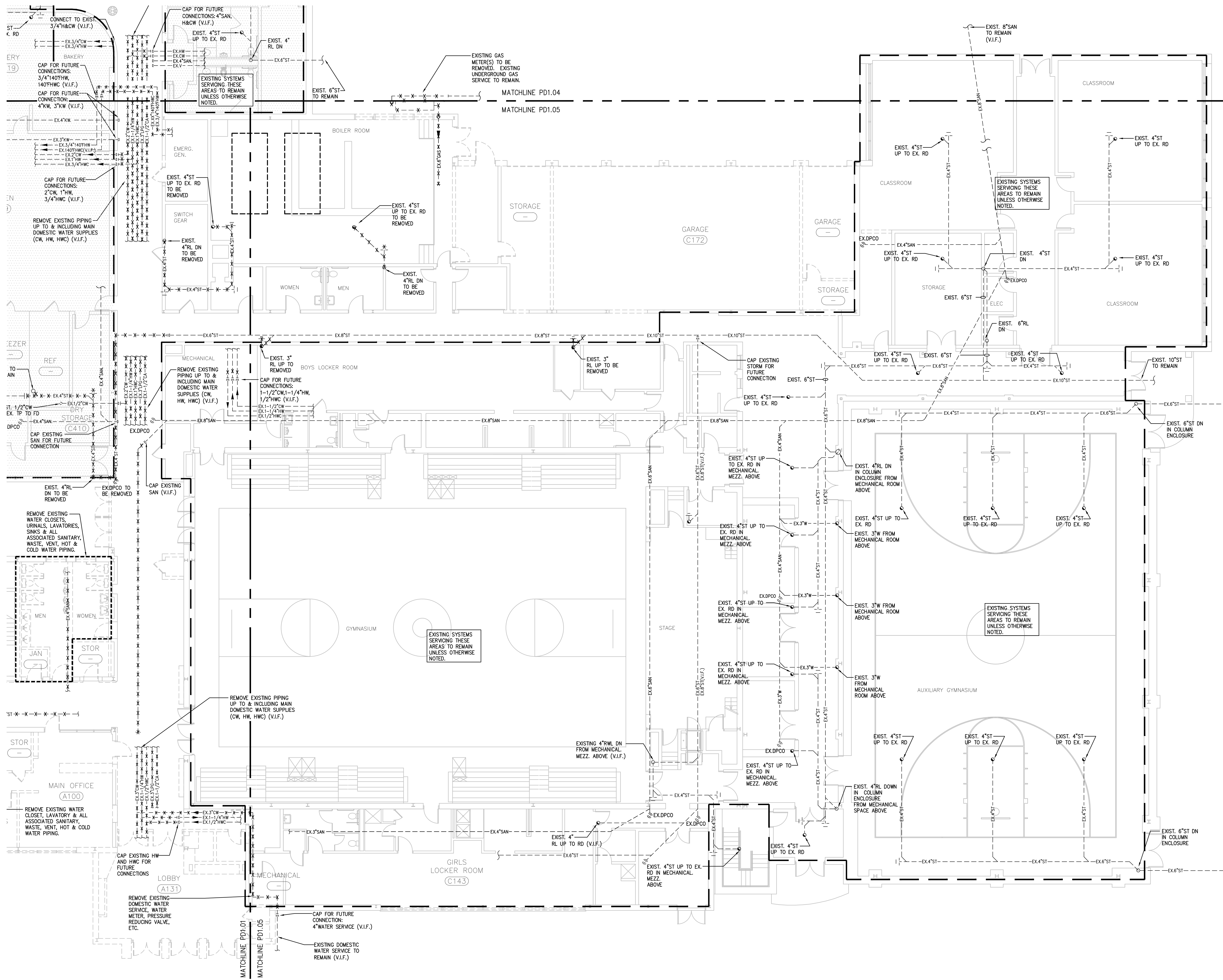
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1 FIRST FLOOR DEMOLITION PLAN - AREA "B" & "C"
PD1.04 SCALE: 1/8"=1'-0"

Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JEK Drawing No. PD1.04
CAD No. 0532 P-DD-FIRST FLR DEMO	Project No. BI-RT-843		

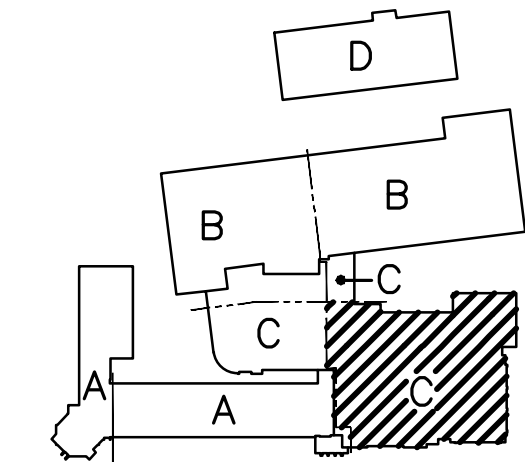


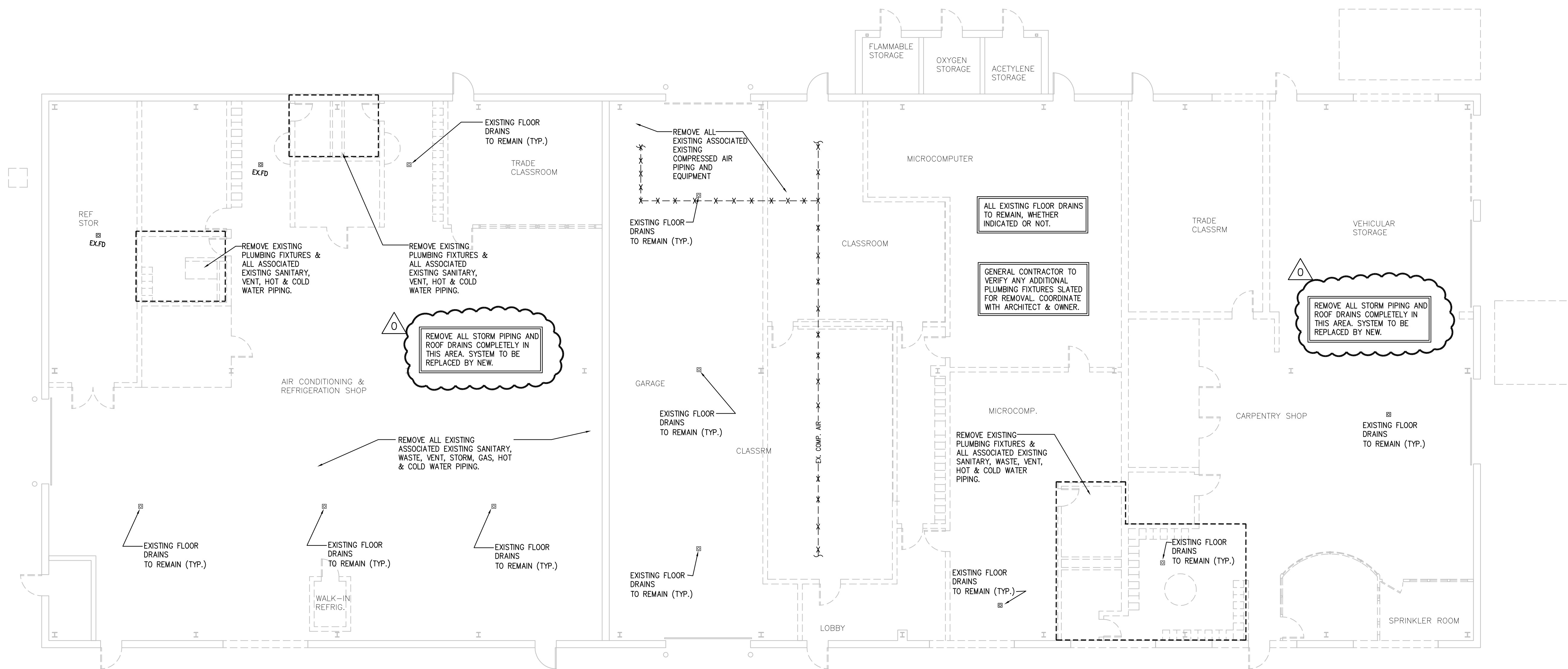


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 2. ALL ABANDONED PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL ABANDONED SYSTEMS ARE PROPERLY CONCEALED, AND THAT EXISTING SYSTEMS TO REMAIN, REMAIN OPERATIONAL.
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 7. PEROUTE OR REMOVE ALL EXISTING PIPING, AND SYSTEMS WHERE NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL, OR MASONRY WORK AS REQUIRED BY THE PROPOSED ALTERATIONS.
 8. COORDINATE PLUMBING SERVICES SHUT DOWNS (H&W, GAS, WASTE, VENT & STORM SYSTEMS) WITH THE BUILDING MANAGER AND UTILITY COMPANY.

1 FIRST FLOOR DEMOLITION PLAN — AREA "C"
 PD1.05 SCALE: 1/8"=1'-0"

Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "C" — PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark	Description	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JEK Drawing No. PD1.05
CAD No. 0532 P-DD-FIRST FLR DEMO	Project No. BI-RT-843	Drawing No. PD1.05	



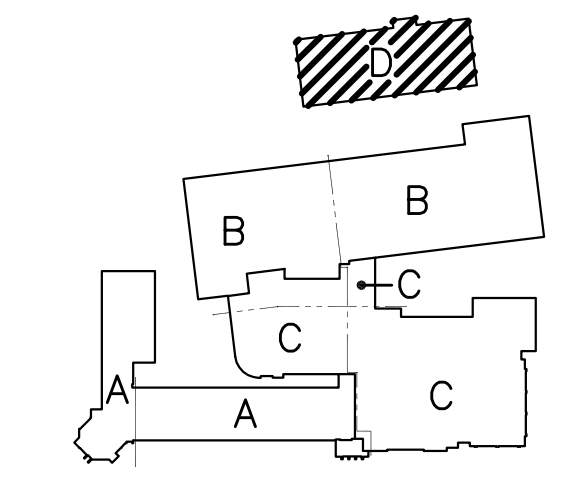
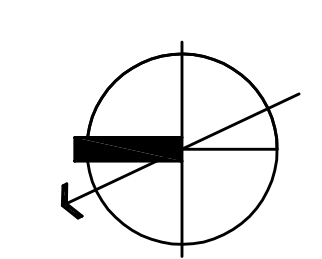


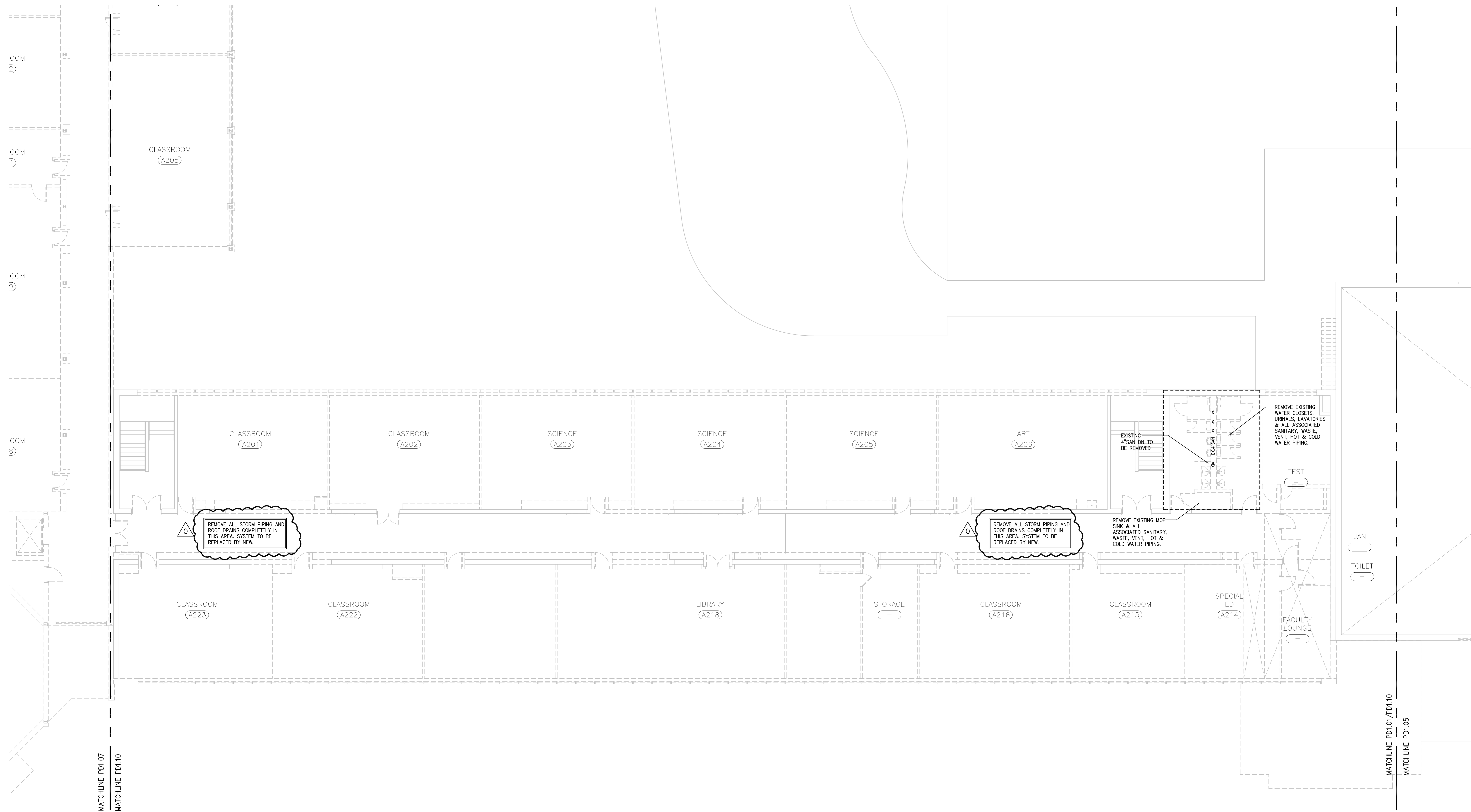
GENERAL DEMOLITION NOTES

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1 FIRST FLOOR DEMOLITION PLAN - AREA "D"
 PD1.06 SCALE: 1/8"=1'-0"

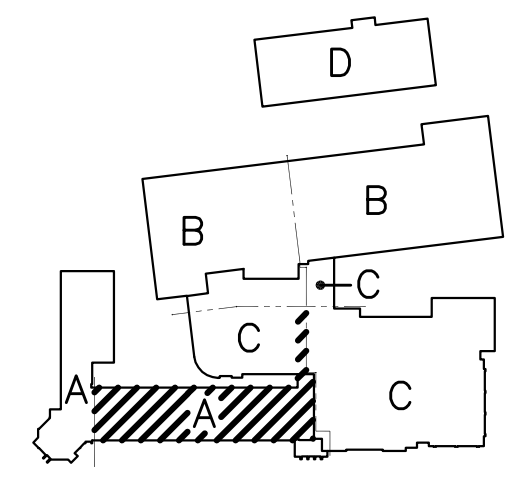
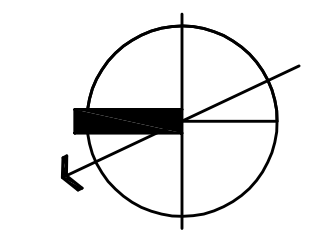
Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "D" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Ta Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JEK Drawing No. PD1.06
GD No. 05.32	P-DD-FIRST FLR DEMO	Project No. BR-RF-843	



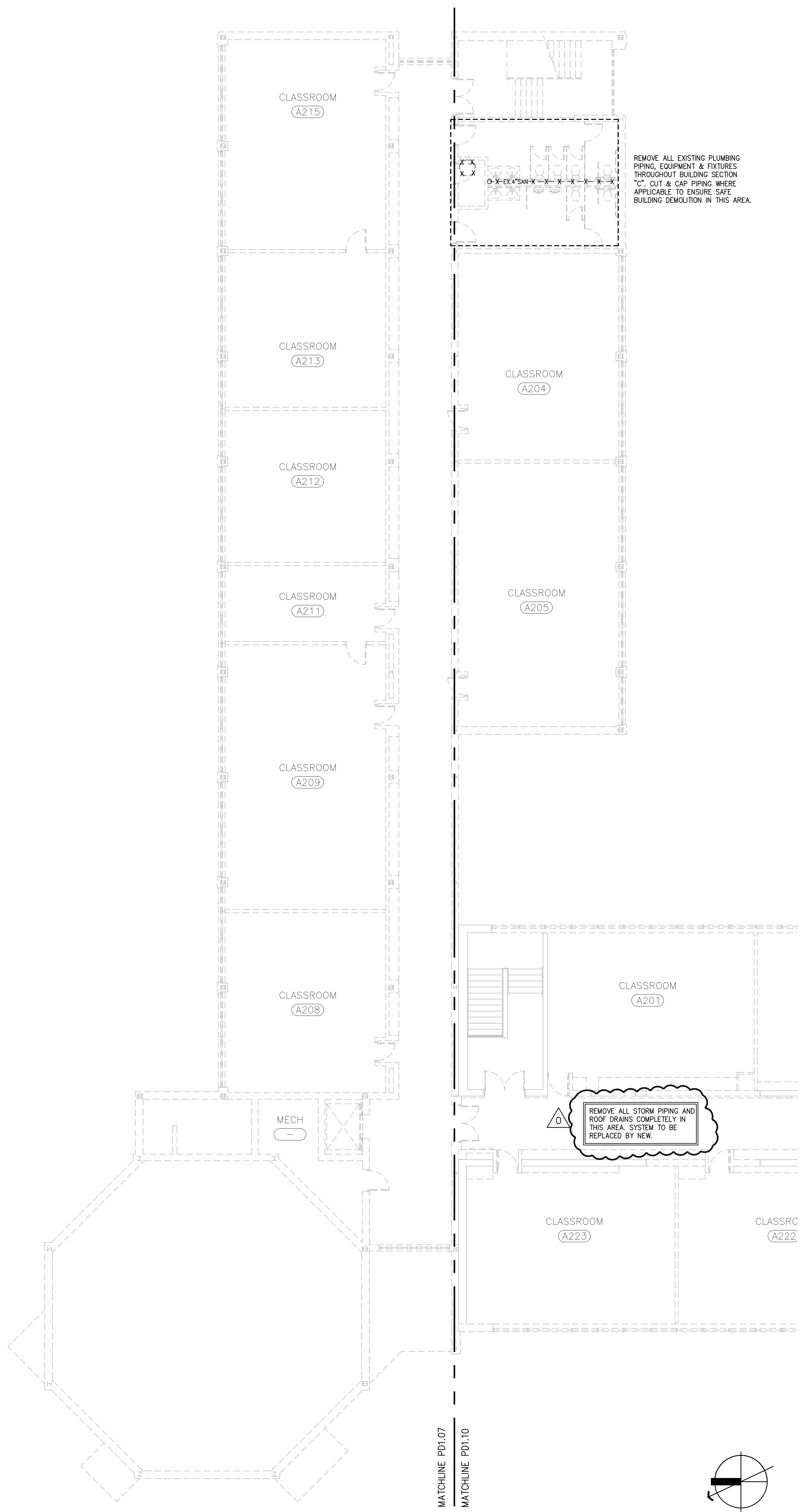


- GENERAL DEMOLITION NOTES**
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1 SECOND FLOOR DEMOLITION PLAN - AREA "A"
 PD1.07 SCALE: 1/8"=1'-0"



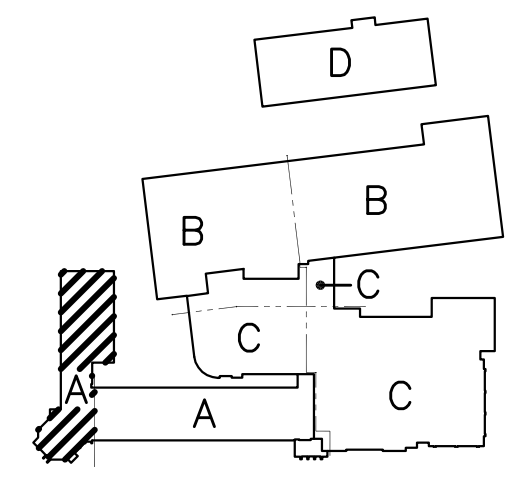
Drawing Title SECOND FLOOR DEMOLITION PLAN - AREA "A" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Revised By	Date
△	REVISED: 09/09/2011	Kim Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011 Scale 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By SLF	Approved By JEK
CAD No. 0532-P-DD-SECOND FLR DEMO	Project No. BR-RF-843	Drawing No. PD1.07	



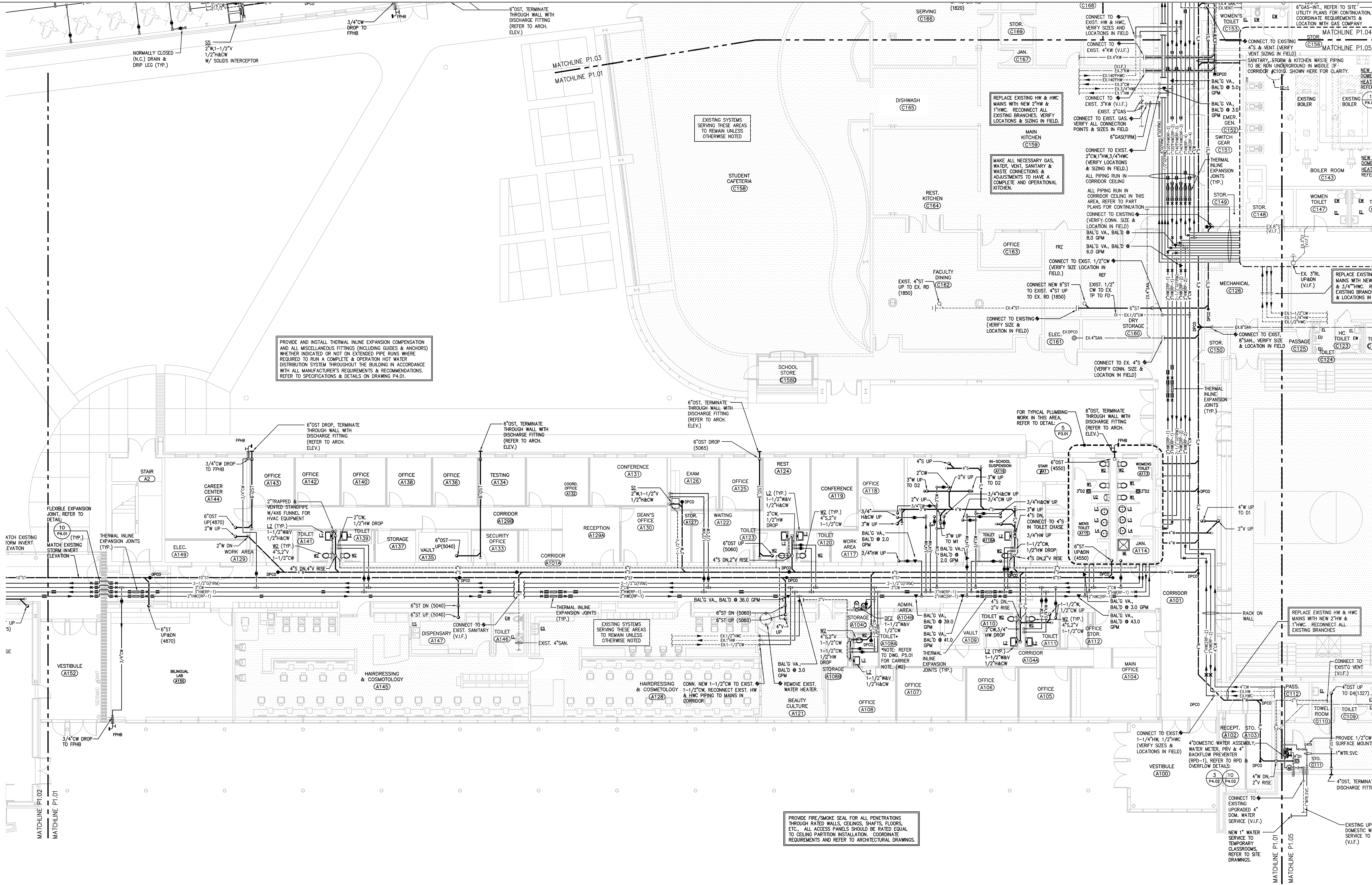
1 SECOND FLOOR DEMOLITION PLAN - AREA "A"
 PD1.08 SCALE: 1/8"=1'-0"

- ### GENERAL DEMOLITION NOTES
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 8. COORDINATE PLUMBING SERVICES SHUT DOWNS (H&W, GAS, WASTE, VENT & STORM SYSTEMS) WITH THE BUILDING MANAGER AND UTILITY COMPANY.

Drawing Title SECOND FLOOR DEMOLITION PLAN - AREA "A" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	Date	Drawing Prepared By	Date
△	REVISED: 09/09/2011	Ia Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011 Scale 1/8"=1'-0"
Project	H.C. Wilcox Technical High School	Meriden, CT	Drawn By SLF Approved By JEK Drawing No. PD1.08
CAD No. 05.32 P-DD-SECOND FLR DEMO	Project No. BR-RF-843		



MATCHLINE PD1.07
MATCHLINE PD1.10



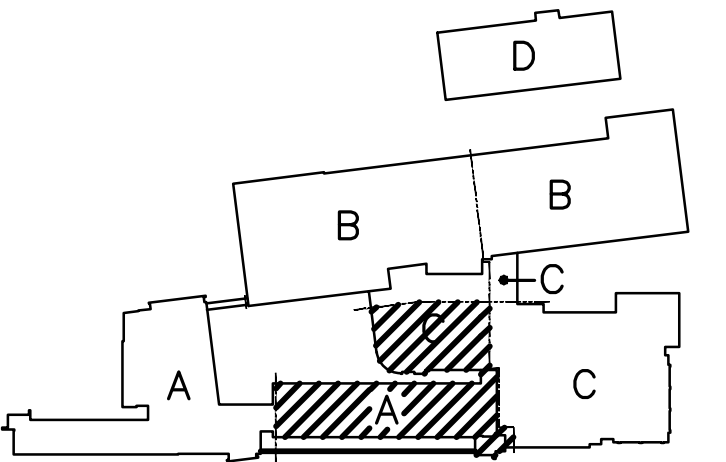
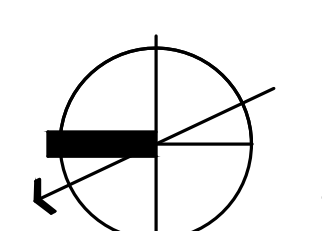
PROVIDE AND INSTALL THERMAL INLINE EXPANSION COMPENSATION AND ALL MISCELLANEOUS FITTINGS (INCLUDING GUIDES & ANCHORS) WHETHER INDICATED OR NOT ON EXTENDED PIPE RUNS WHERE REQUIRED TO RUN A COMPLETE & OPERATION HOT WATER DISTRIBUTION SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH ALL MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS. REFER TO SPECIFICATIONS & DETAILS ON DRAWING P4.01.

EXISTING SYSTEMS SERVING THESE AREAS TO REMAIN UNLESS OTHERWISE NOTED

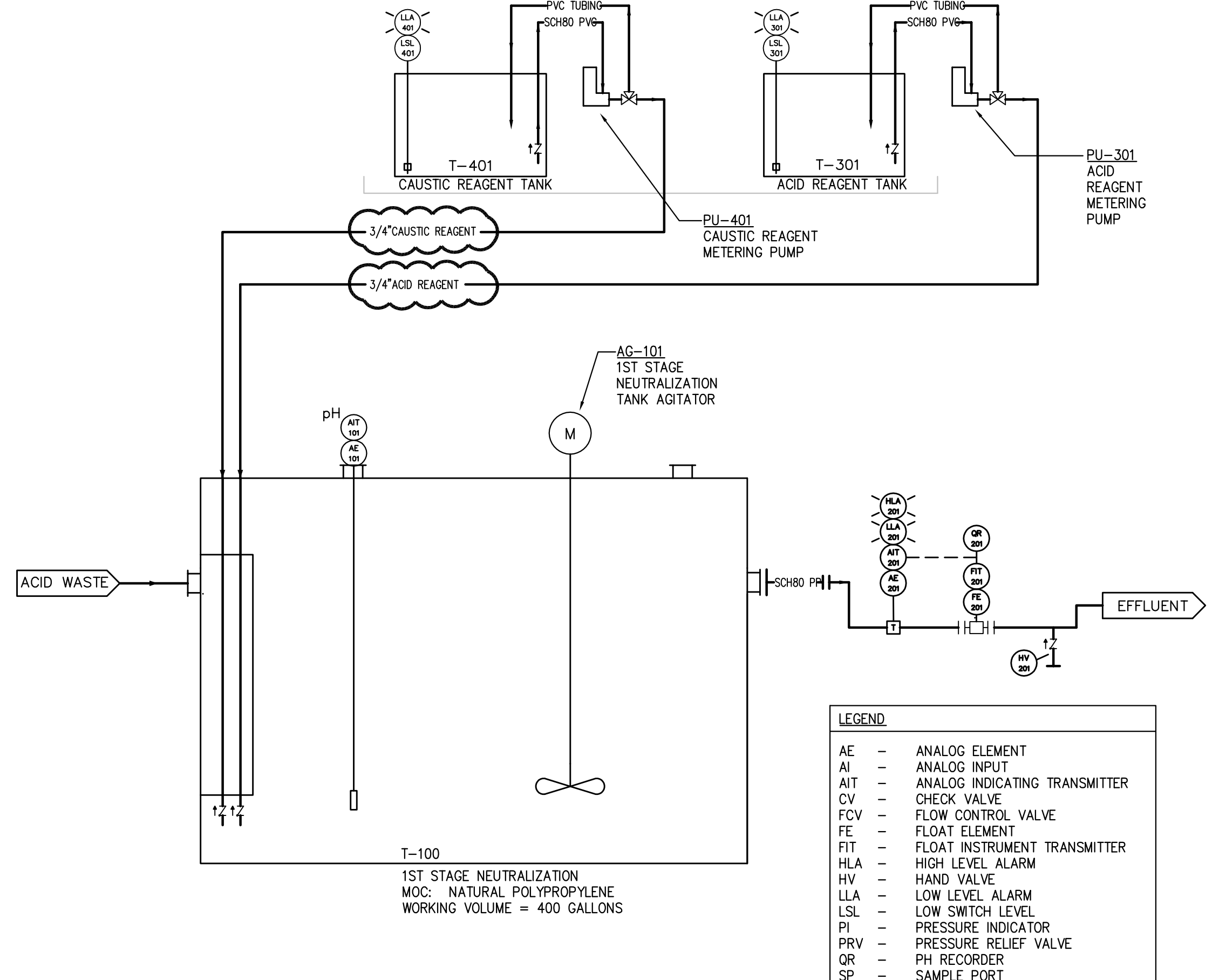
EXISTING SYSTEMS SERVING THESE AREAS TO REMAIN UNLESS OTHERWISE NOTED

PROVIDE FIRE/SMOKE SEAL FOR ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, SHAFTS, FLOORS, ETC. ALL ACCESS PANELS SHOULD BE RATED EQUAL TO CEILING PARTITION INSTALLATION. COORDINATE REQUIREMENTS AND REFER TO ARCHITECTURAL DRAWINGS.

1 FIRST FLOOR PLAN - AREA "A" & "C"
P1.01 SCALE: 1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PLAN - AREA "A" & "C" - PLUMBING		REVISIONS	
Mark		Drawing Prepared By Tol Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLE Approved By JEK Drawing No. P1.01
CAD No. 0532 P-DD-FIRST FLOOR NEW		Project No. BI-RT-843	



PROVIDE FIRE/SMOKE SEAL FOR ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, SHAFTS, FLOORS ETC. ALL ACCESS PANELS SHOULD BE RATED EQUAL TO CEILING PARTITION INSTALLATION. COORDINATE REQUIREMENTS AND REFER TO ARCHITECTURAL DRAWINGS.

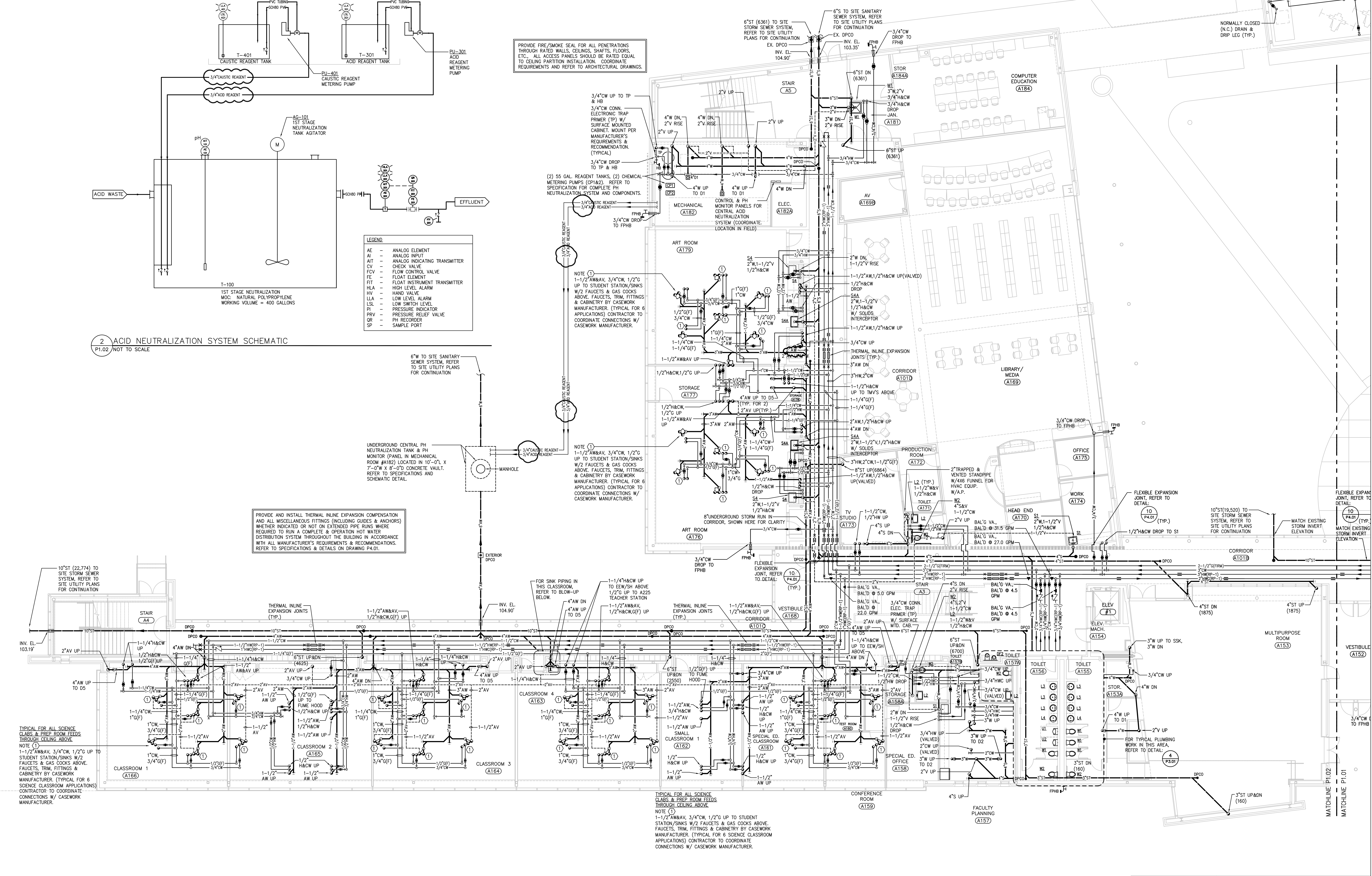
(2) 55 GAL. REAGENT TANKS, (2) CHEMICAL-METERING PUMPS (CP1A2). REFER TO SPECIFICATION FOR COMPLETE PH NEUTRALIZATION SYSTEM AND COMPONENTS.

NOTE (1)
1-1/2"AW&AV, 3/4"CW, 1/2"G UP TO STUDENT STATION/SINKS ABOVE FAUCETS, TRIM, FITTINGS & CABINETS BY CASEWORK MANUFACTURER. (TYPICAL FOR 6 APPLICATIONS) CONTRACTOR TO COORDINATE CONNECTIONS W/ CASEWORK MANUFACTURER.

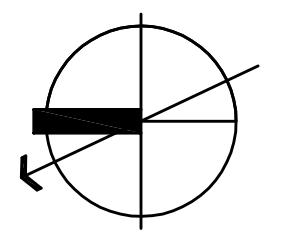
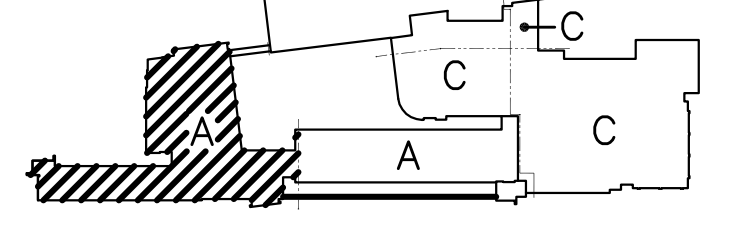
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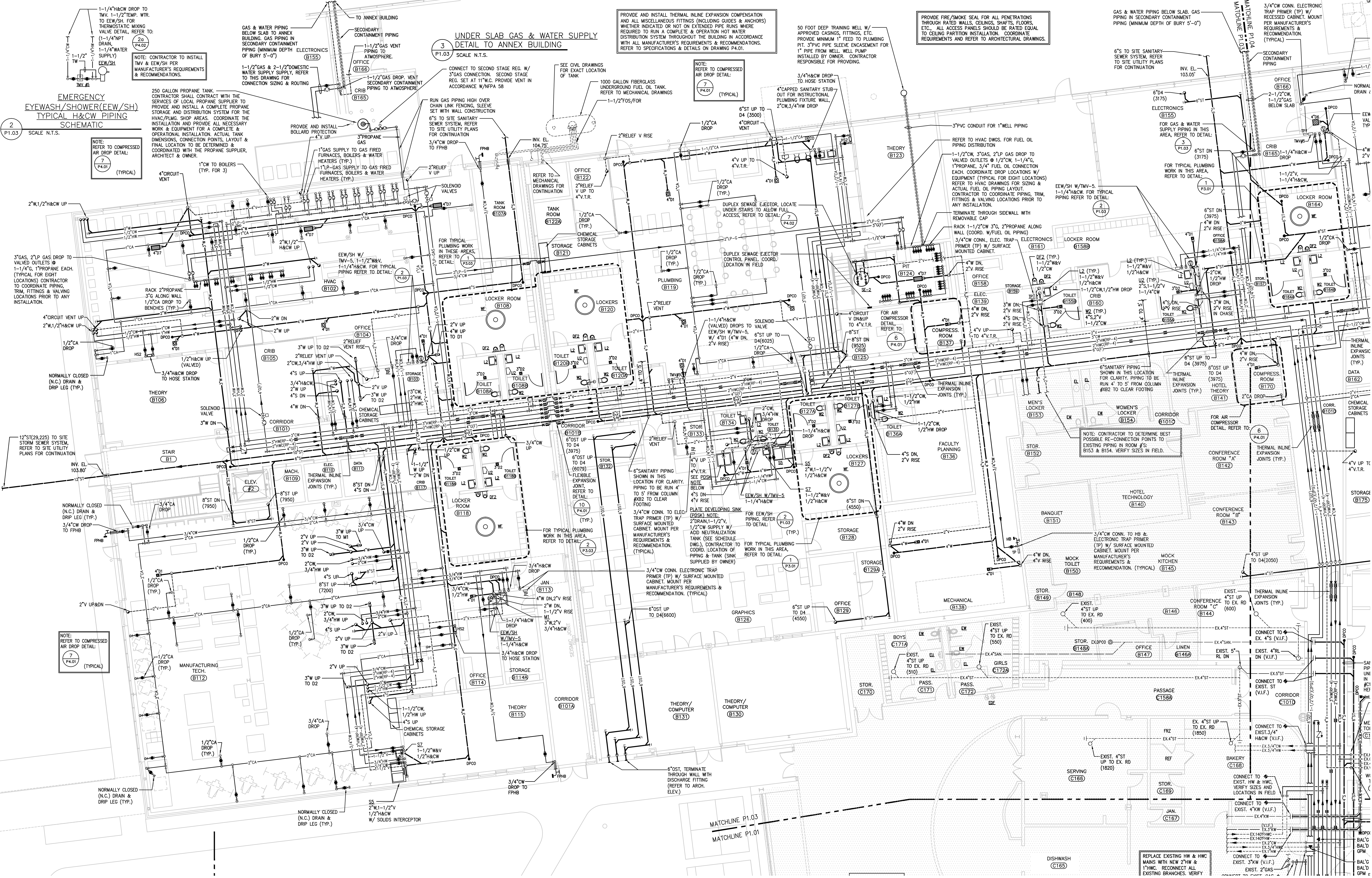
PROVIDE AND INSTALL THERMAL INLINE EXPANSION COMPENSATION AND ALL MISCELLANEOUS FITTINGS (INCLUDING GUIDES & ANCHORS) WHETHER INDICATED OR NOT ON EXTENDED PIPE RUNS WHERE REQUIRED TO RUN A COMPLETE & OPERATION HOT WATER DISTRIBUTION SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH ALL MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS. REFER TO SPECIFICATIONS & DETAILS ON DRAWING P4.01.

1 FIRST FLOOR PLAN - AREA "A"
P1.02 SCALE: 1/8"=1'-0"



Drawing Title FIRST FLOOR PLAN - AREA "A" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Ta Soe Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark	REVISIONS	Date: 1/28/2011	Scale: 1/8"=1'-0"
△	REVISED: 09/09/2011	Drawn By: SLF	Approved By: JEK
Project: H.C. Wilcox Technical High School		Drawing No. P1.02	
Meriden, CT		Project No. 05.32 P-DO-FIRST FLR NEW	
CADD No. 05.32 P-DO-FIRST FLR NEW		Bl-RT-843	

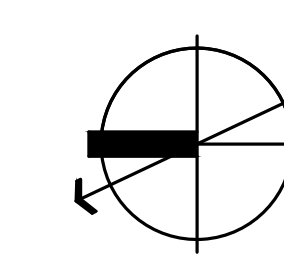
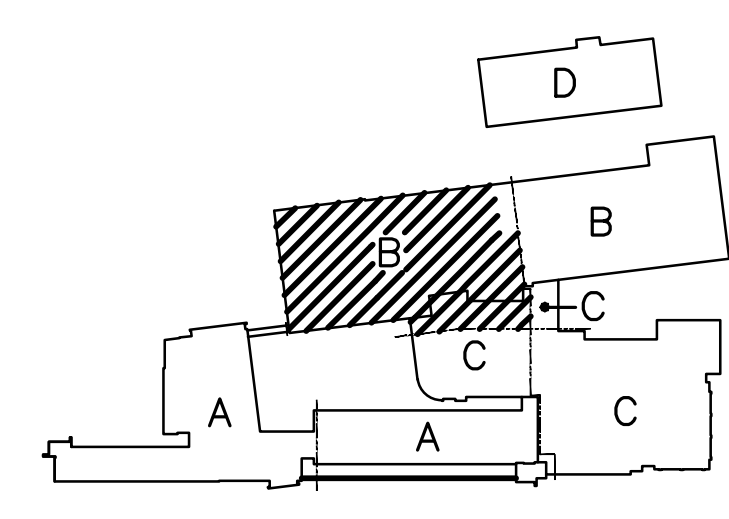


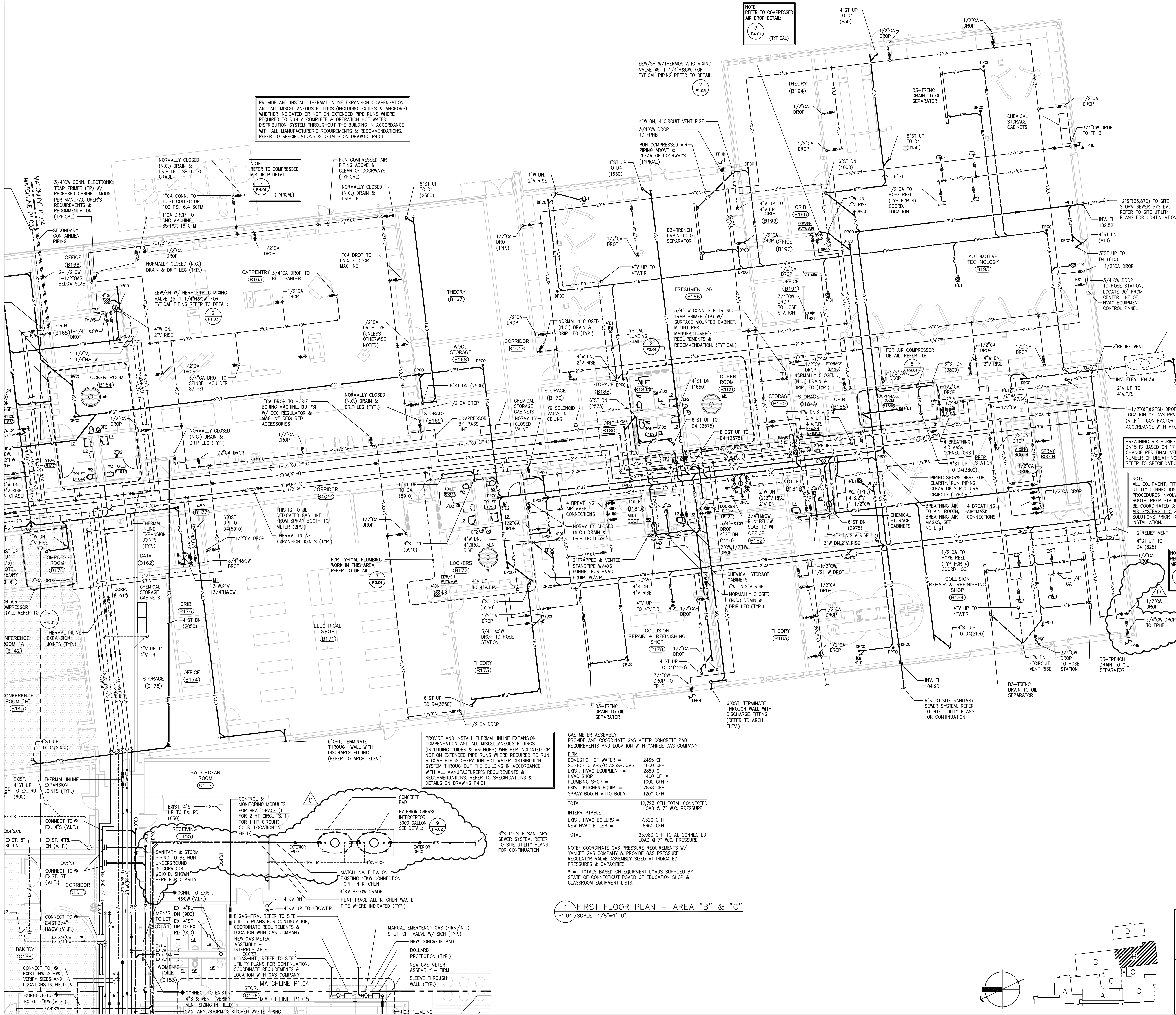


1 FIRST FLOOR PLAN - AREA "B" & "C"
 P1.03 SCALE: 1/8"=1'-0"

REPLACE EXISTING HW & HWC MAINS WITH NEW 2" HW & 1" HWC. RECONNECT ALL EXISTING BRANCHES. VERIFY

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "B" & "C" - PLUMBING		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	Description	Drawn By	Date
		Tai Sao Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011
		H.C. Wilcox Technical High School Meriden, CT	1/8"=1'-0"
		Project No. 0532 P-DD-FIRST FLR NEW	Bl-RT-843
		Drawing No. P1.03	





PROVIDE AND INSTALL THERMAL INLINE EXPANSION COMPENSATION AND ALL MISCELLANEOUS FITTINGS (INCLUDING GUIDES & ANCHORS) WHETHER INDICATED OR NOT ON EXTENDED PIPE RUNS WHERE REQUIRED TO RUN A COMPLETE & OPERATION HOT WATER DISTRIBUTION SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH ALL MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS. REFER TO SPECIFICATIONS & DETAILS ON DRAWING P4.01.

NOTE: REFER TO COMPRESSED AIR DROP DETAIL: (7) P4.01 (TYPICAL)

NOTE: REFER TO COMPRESSED AIR DROP DETAIL: (7) P4.01 (TYPICAL)

EWW/SH W/THERMOSTATIC MIXING VALVE #5. 1-1/4" H&CW FOR TYPICAL PIPING REFER TO DETAIL: (2) P4.03

NOTE: REFER TO COMPRESSED AIR DROP DETAIL: (7) P4.01 (TYPICAL)

BREATHING AIR PURIFIER, DELTECH MODEL DM15 IS BASED ON 17 CFM. THIS MAY CHANGE PER FINAL VERIFICATION OF NUMBER OF BREATHING MASKS REQUIRED. REFER TO SPECIFICATIONS.

NOTE: ALL EQUIPMENT, FITTINGS, TRIM, VALVING, UTILITY CONNECTIONS & INSTALLATION PROCEDURES INVOLVED WITH THE SPRAY BOOTH, PREP STATION & MINI BOOTH, MUST BE COORDINATED & APPROVED BY MANAGED AIR SYSTEMS, LLC & GLOBAL FINISHING SOLUTIONS PRIOR TO INITIATING ANY INSTALLATION.

NOTE: REFER TO COMPRESSED AIR DROP DETAIL: (7) P4.01 (TYPICAL)

PROVIDE AND INSTALL THERMAL INLINE EXPANSION COMPENSATION AND ALL MISCELLANEOUS FITTINGS (INCLUDING GUIDES & ANCHORS) WHETHER INDICATED OR NOT ON EXTENDED PIPE RUNS WHERE REQUIRED TO RUN A COMPLETE & OPERATION HOT WATER DISTRIBUTION SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH ALL MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS. REFER TO SPECIFICATIONS & DETAILS ON DRAWING P4.01.

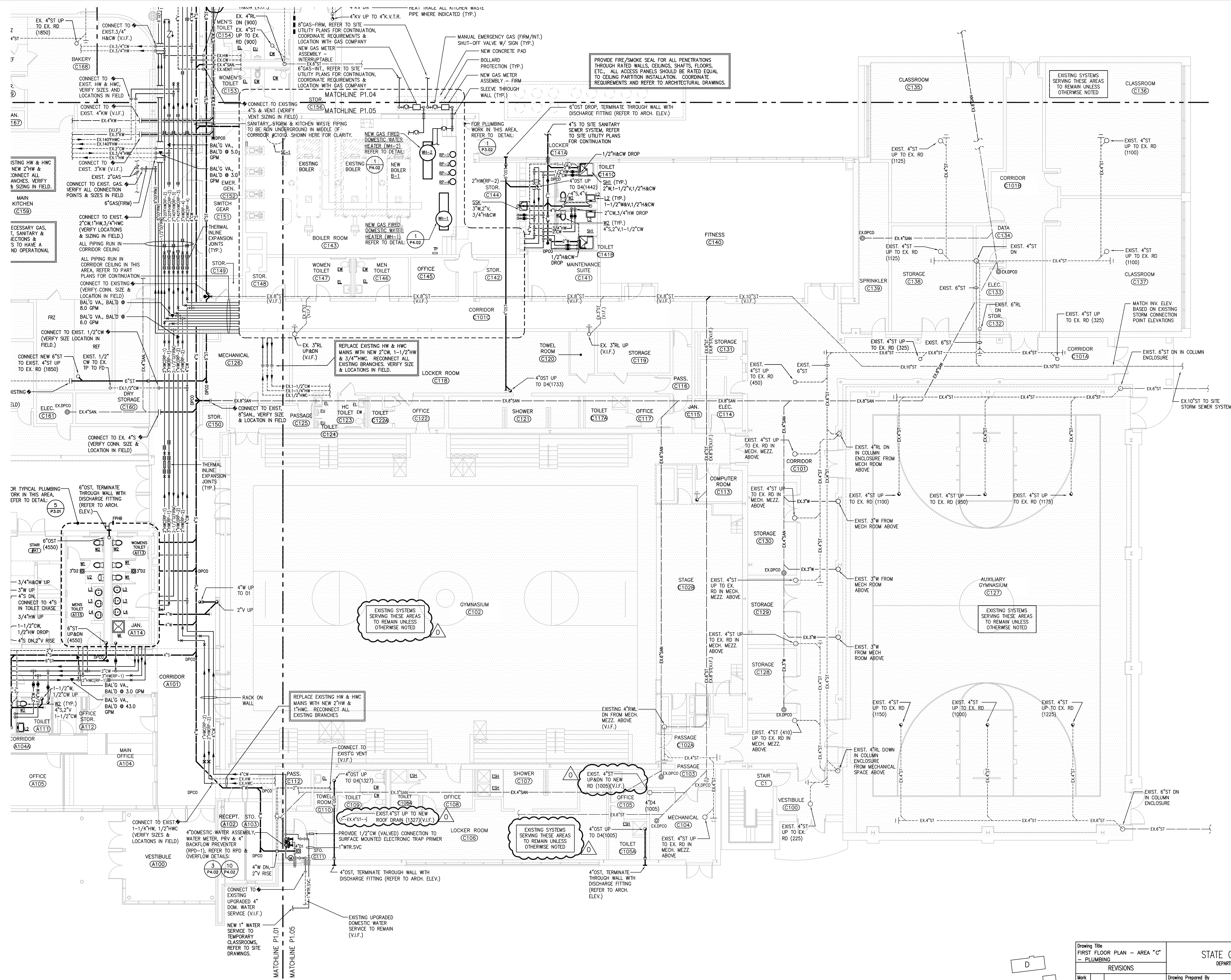
GAS METER ASSEMBLY:
 PROVIDE AND COORDINATE GAS METER CONCRETE PAD REQUIREMENTS AND LOCATION WITH YANKEE GAS COMPANY.

FIRM	
DOMESTIC HOT WATER	2465 CFH
SCIENCE CLABS/CLASSROOMS	1000 CFH
EXIST. HVAC EQUIPMENT	2860 CFH
HVAC SHOP	1400 CFH *
PLUMBING SHOP	1000 CFH *
EXIST. KITCHEN EQUIP.	2868 CFH
SPRAY BOOTH AUTO BODY	1200 CFH
TOTAL	12,793 CFH TOTAL CONNECTED LOAD @ 7" W.C. PRESSURE
INTERMITTABLE	
EXIST. HVAC BOILERS	17,320 CFH
NEW HVAC BOILER	8660 CFH
TOTAL	25,980 CFH TOTAL CONNECTED LOAD @ 7" W.C. PRESSURE

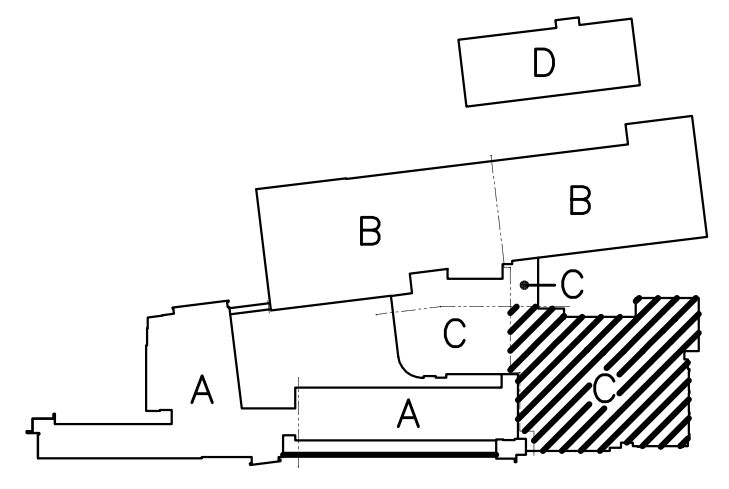
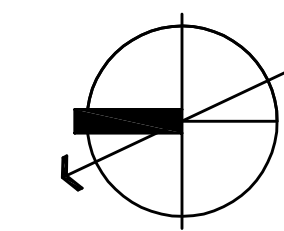
NOTE: COORDINATE GAS PRESSURE REQUIREMENTS W/ YANKEE GAS COMPANY & PROVIDE GAS PRESSURE REGULATOR VALVE ASSEMBLY SIZED AT INDICATED PRESSURES & CAPACITIES.
 * = TOTALS BASED ON EQUIPMENT LOADS SUPPLIED BY STATE OF CONNECTICUT BOARD OF EDUCATION SHOP & CLASSROOM EQUIPMENT LISTS.

1 FIRST FLOOR PLAN - AREA "B" & "C"
 P1.04 SCALE: 1/8"=1'-0"

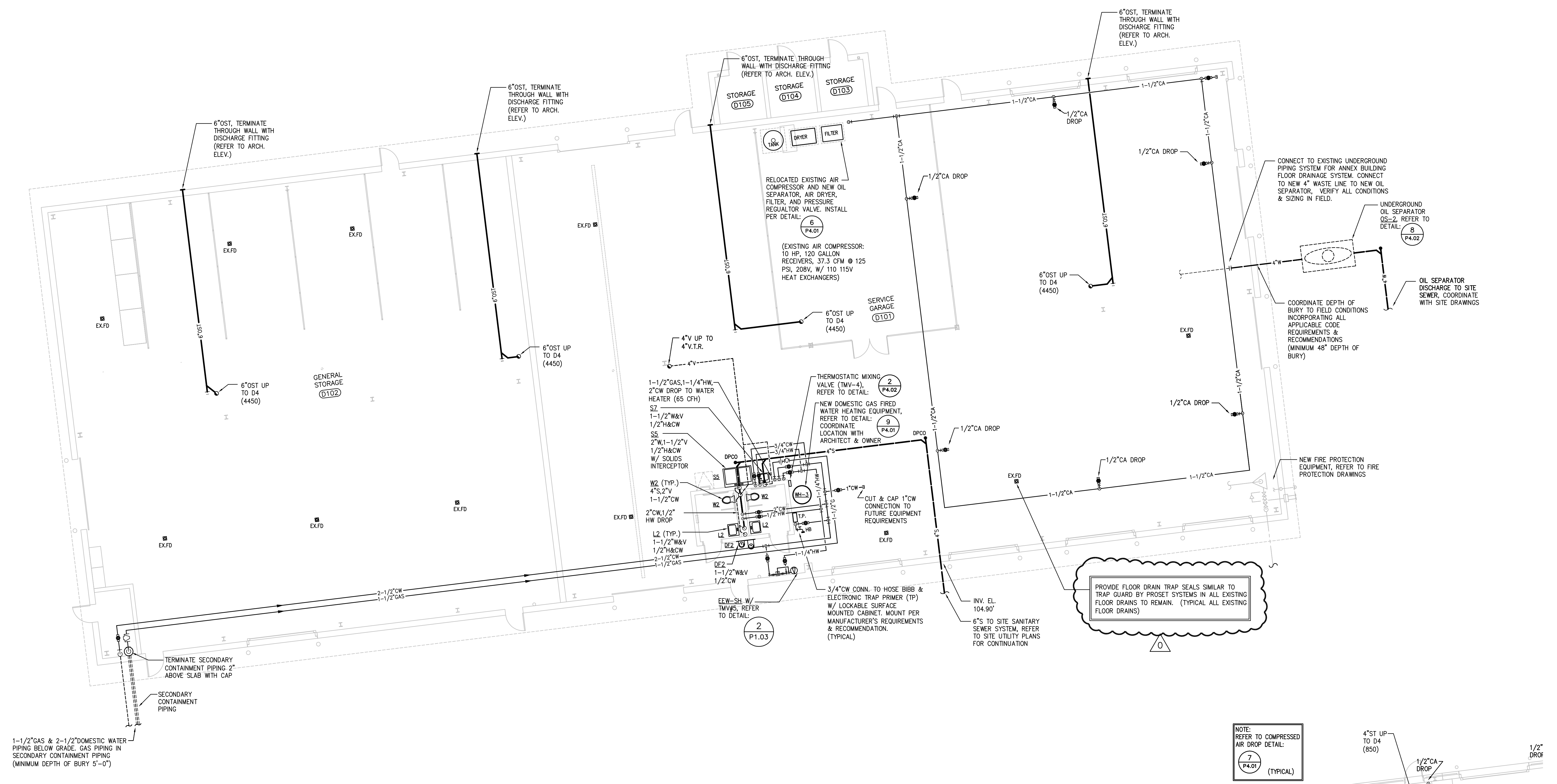
Drawing Title FIRST FLOOR PLAN - AREA "B" & "C" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISD: 09/09/2011	Drawing Prepared By Ta Soo Kim Partners, LLC Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JFK Drawing No. P1.04
CAD No. 05.32 P-D--FIRST FLR NEW		Project No. B1-RF-843	



1 FIRST FLOOR PLAN - AREA "C"
 P1.05 SCALE: 1/8"=1'-0"

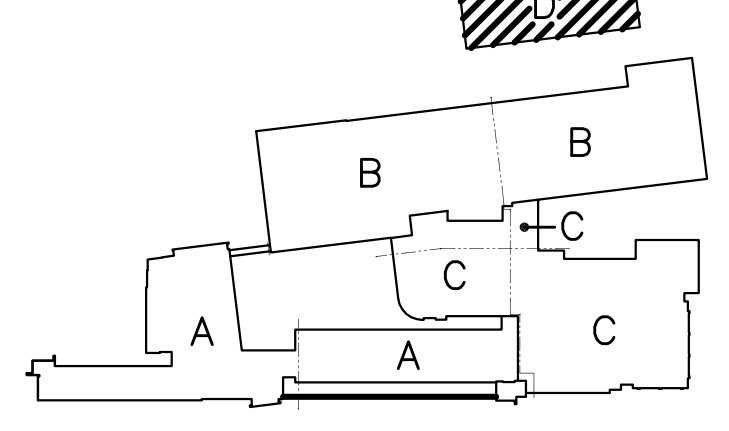
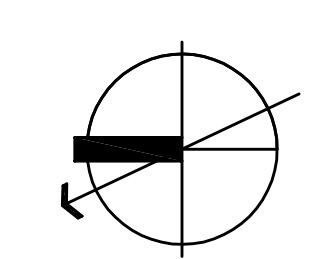
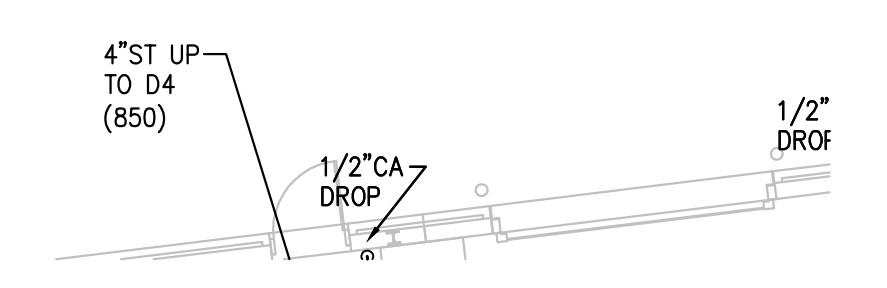


Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "C"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date
△	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011 Scale: 1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	SLF
		Meriden, CT	Approved By
			JFK
			Drawing No.
			P1.05
CAD No.		Project No.	
05.32 P-DO-FIRST FLR NEW		BR-RF-843	

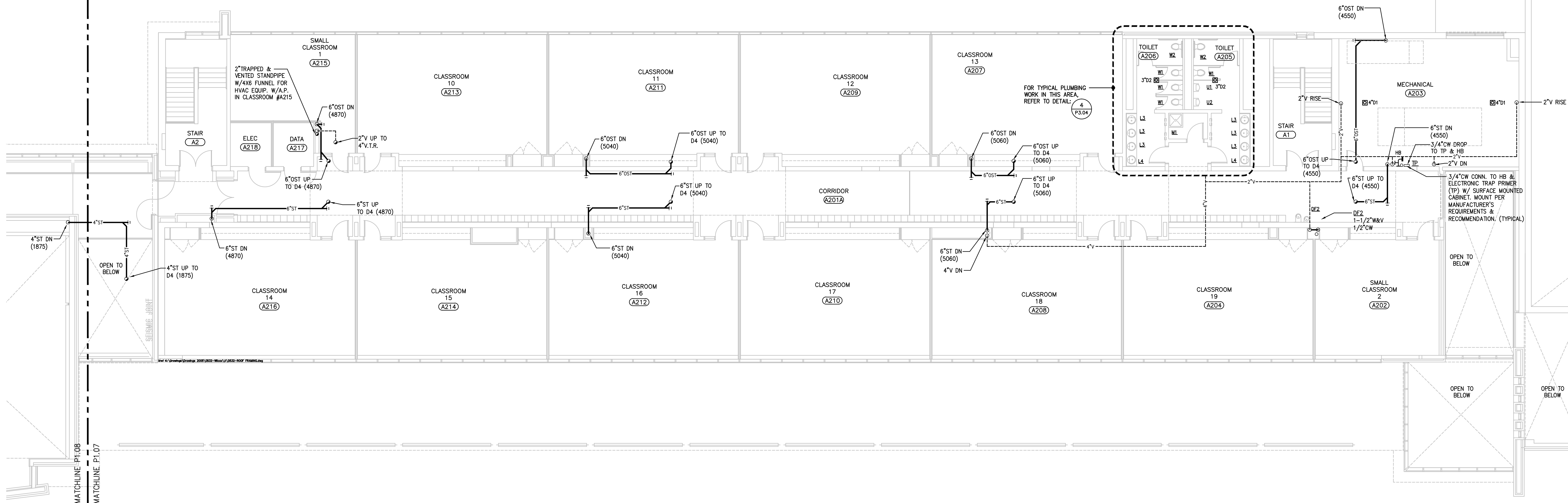


1 FIRST FLOOR PLAN - AREA "D"
 P1.06 / SCALE: 1/8"=1'-0"

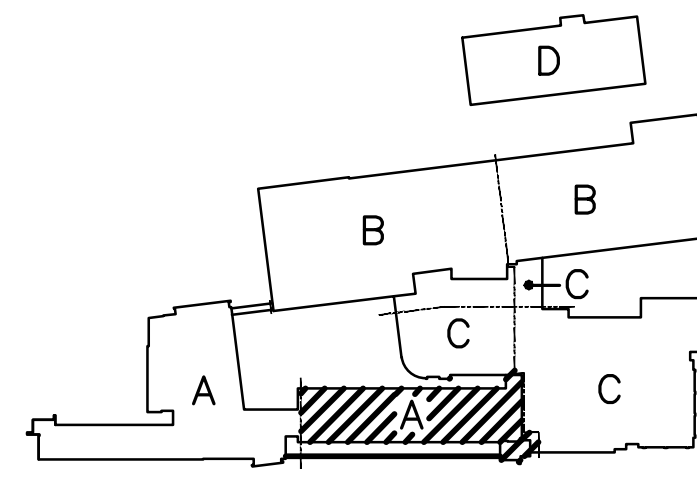
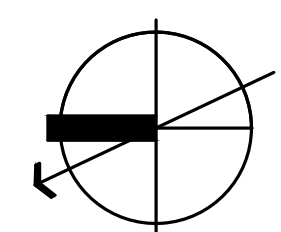
NOTE:
 REFER TO COMPRESSED
 AIR DROP DETAIL:
 (7) P4.01 (TYPICAL)



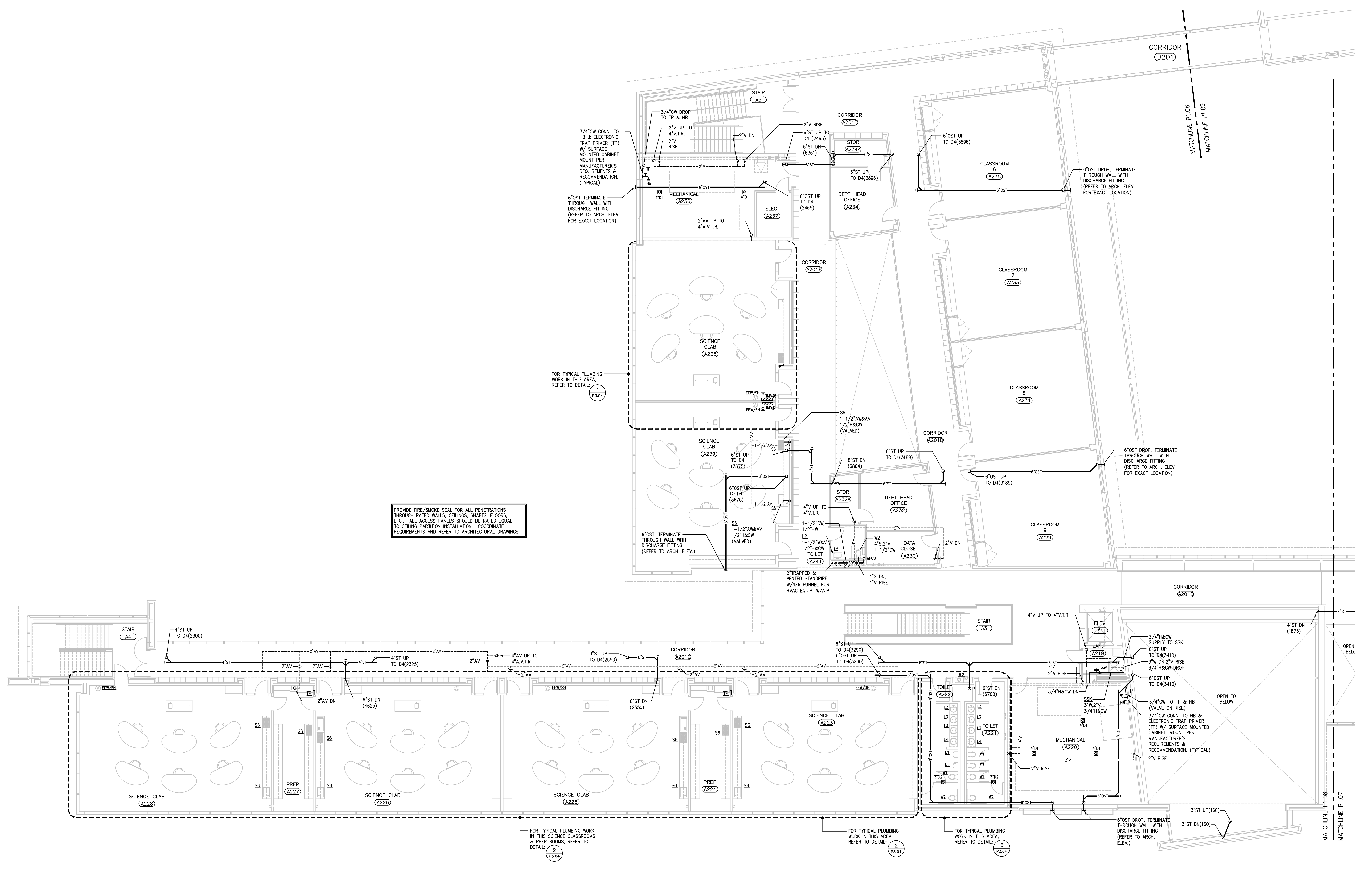
Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PLAN - AREA "D" - PLUMBING		REVISIONS	
Mark		Drawing Prepared By	Date:
△	REVISED: 09/09/2011	Ta Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011 Scale: 1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	SLF
		Meriden, CT	Approved By
			JEK
CAD No.	Project No.	Drawing No.	
05.32 P-DD-FIRST FLR NEW	Br-RF-843	P1.06	



1 SECOND FLOOR PLAN - AREA "A"
 P1.07 SCALE: 1/8"=1'-0"



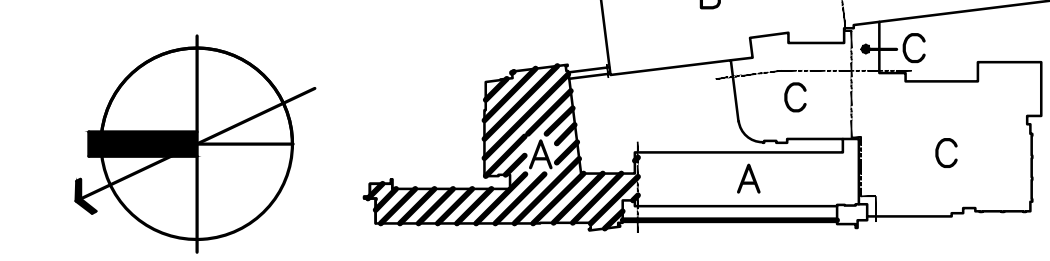
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PLAN - AREA "A" - PLUMBING		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Wyllys St, Suite 1-203		Scale	
Hartford, CT 06106		1/8"=1'-0"	
Project		Drawn By	
H.C. Wilcox Technical High School		SLE	
Meriden, CT		Approved By	
		JEK	
		Drawing No.	
		P1.07	
CAD No.		Project No.	
0532 P-DD SECOND FLR NEW		BI-RT-843	



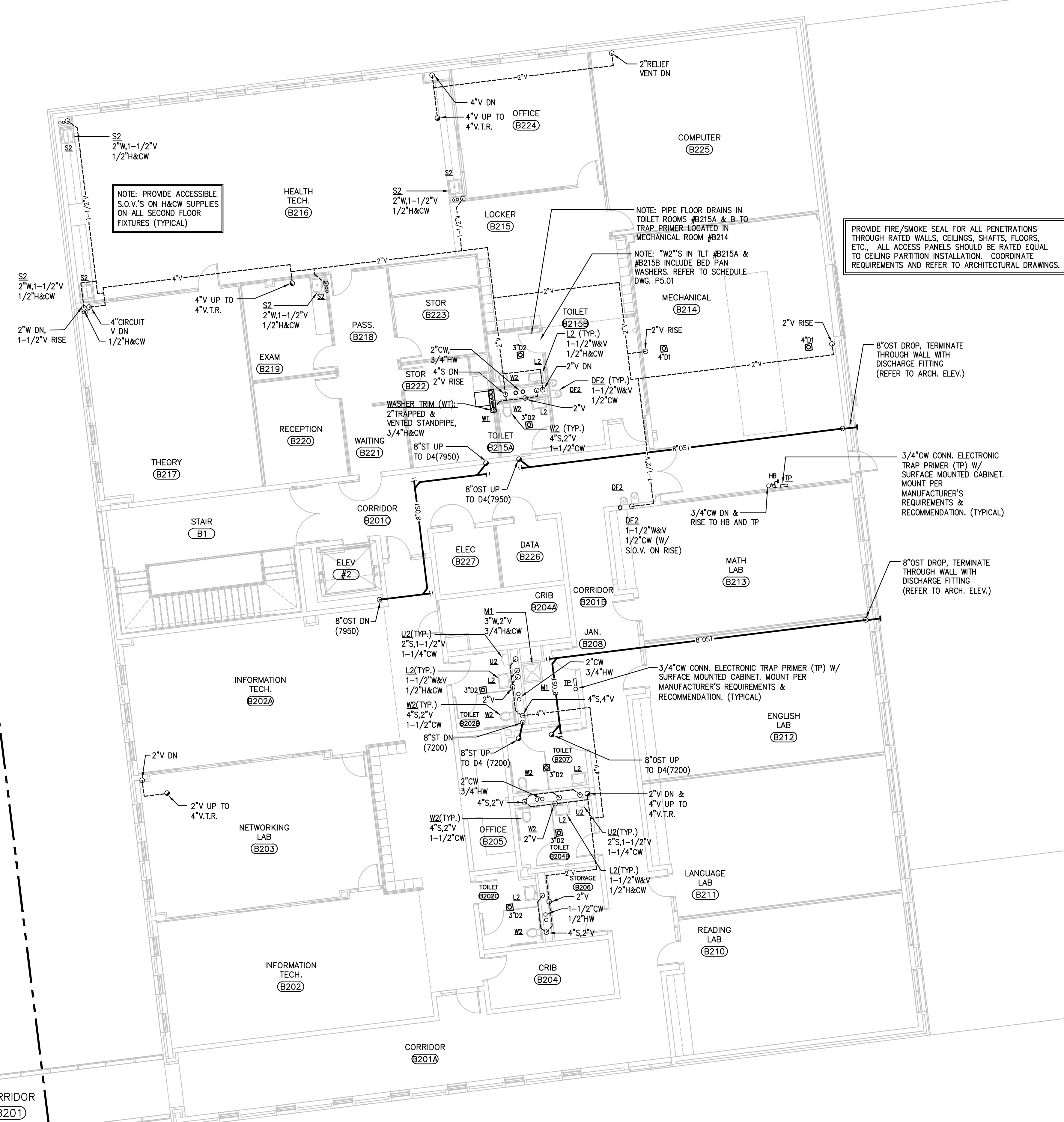
PROVIDE FIRE/SMOKE SEAL FOR ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, SHAFTS, FLOORS, ETC. ALL ACCESS PANELS SHOULD BE RATED EQUAL TO CEILING PARTITION INSTALLATION. COORDINATE REQUIREMENTS AND REFER TO ARCHITECTURAL DRAWINGS.

1 SECOND FLOOR PLAN - AREA "A"
P1.08 / SCALE: 1/8"=1'-0"

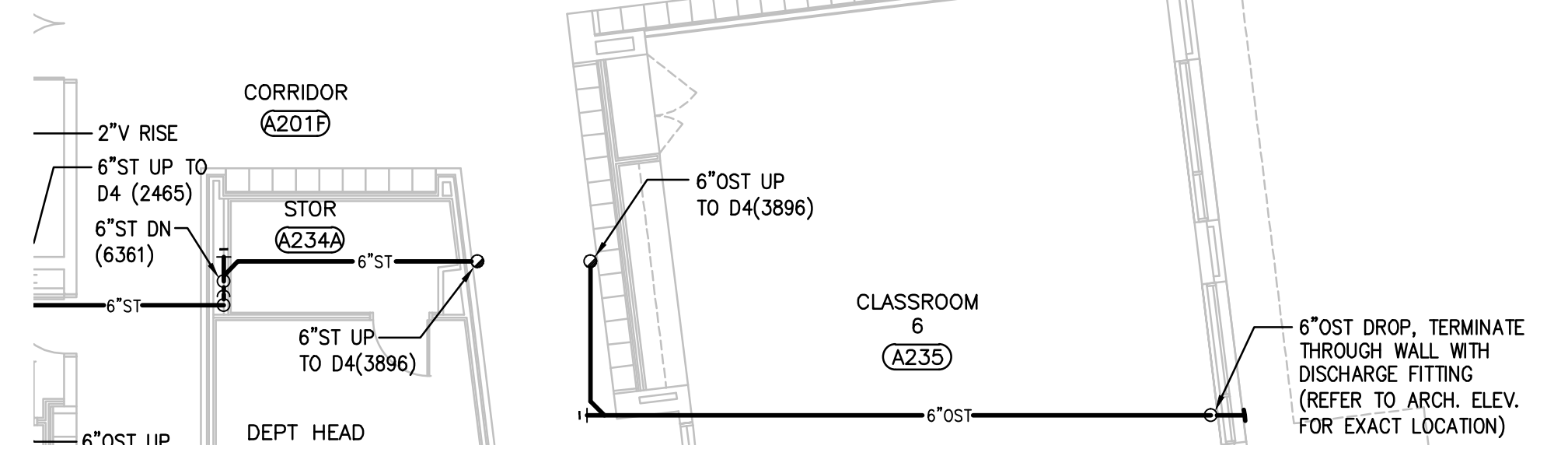
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PLAN - AREA "A" - PLUMBING		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLE Approved By JEK Drawing No. P1.08
CAD No.	0532 P-DD-SECOND FLR NEW	Project No.	BI-RT-843



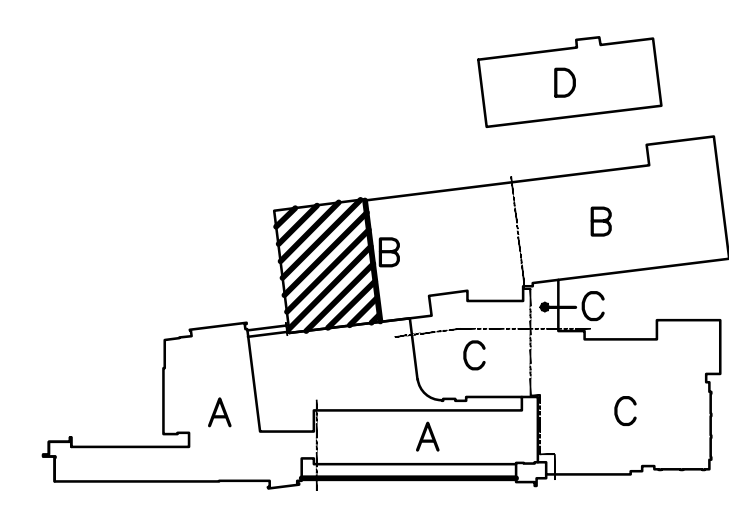
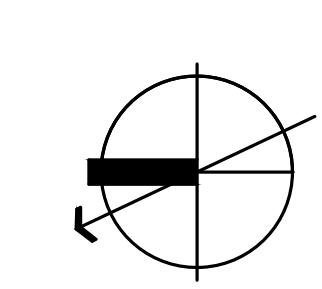
MATCHLINE P1.08
MATCHLINE P1.09



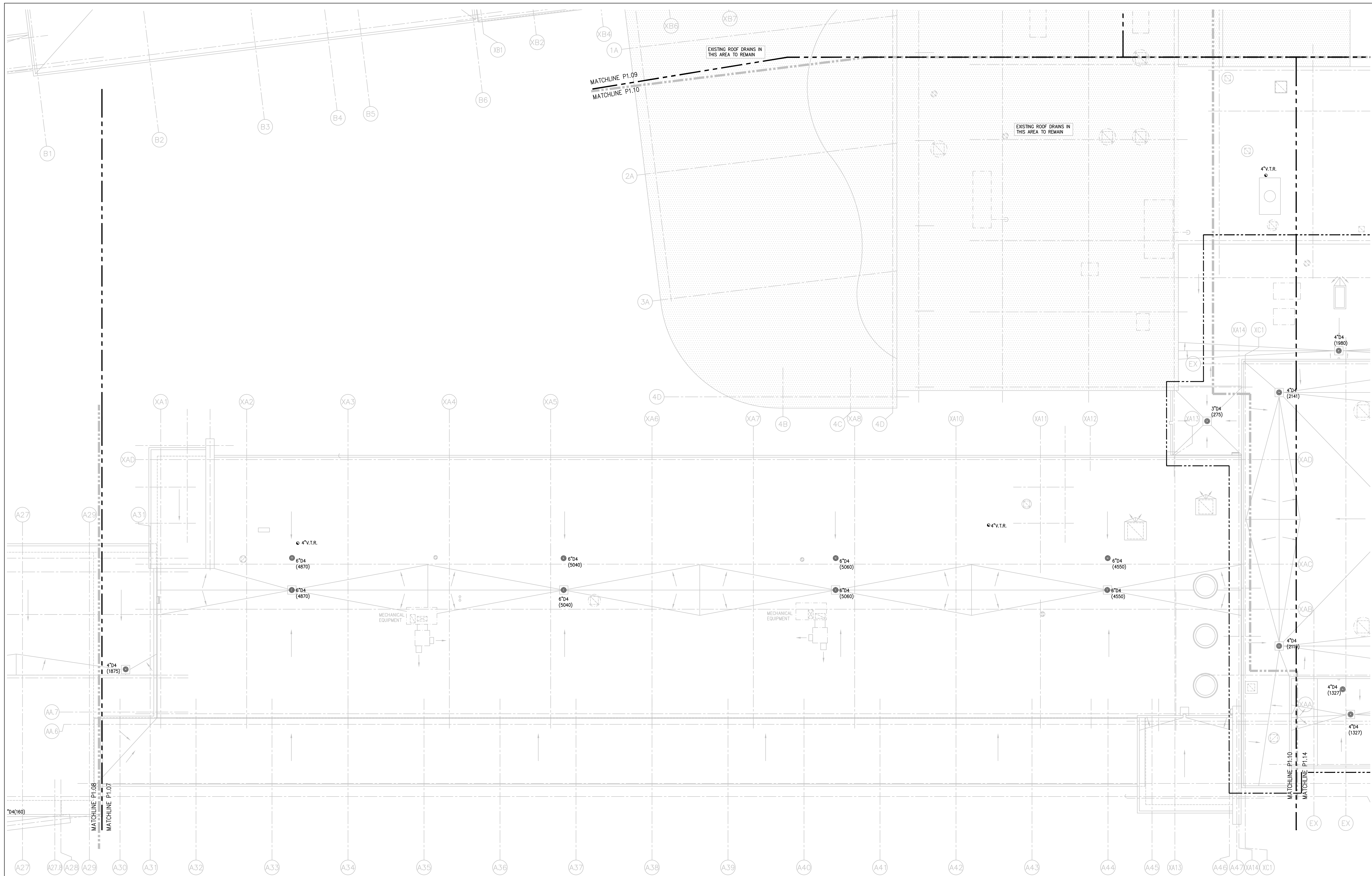
MATCHLINE P1.09
MATCHLINE P1.10



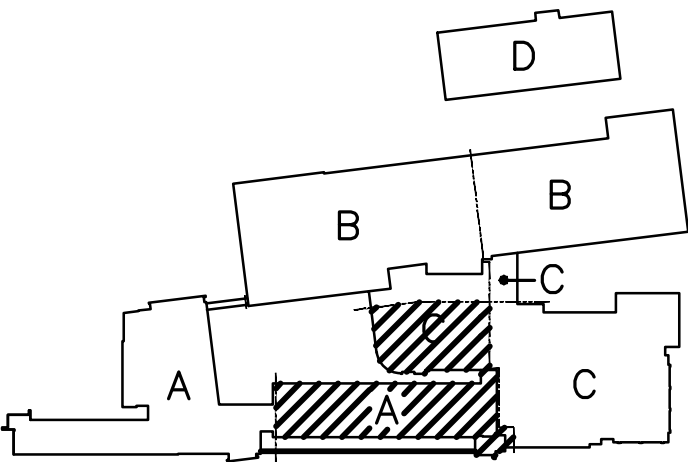
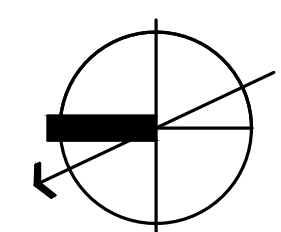
1 SECOND FLOOR PLAN - AREA "B"
P1.09 SCALE: 1/8"=1'-0"



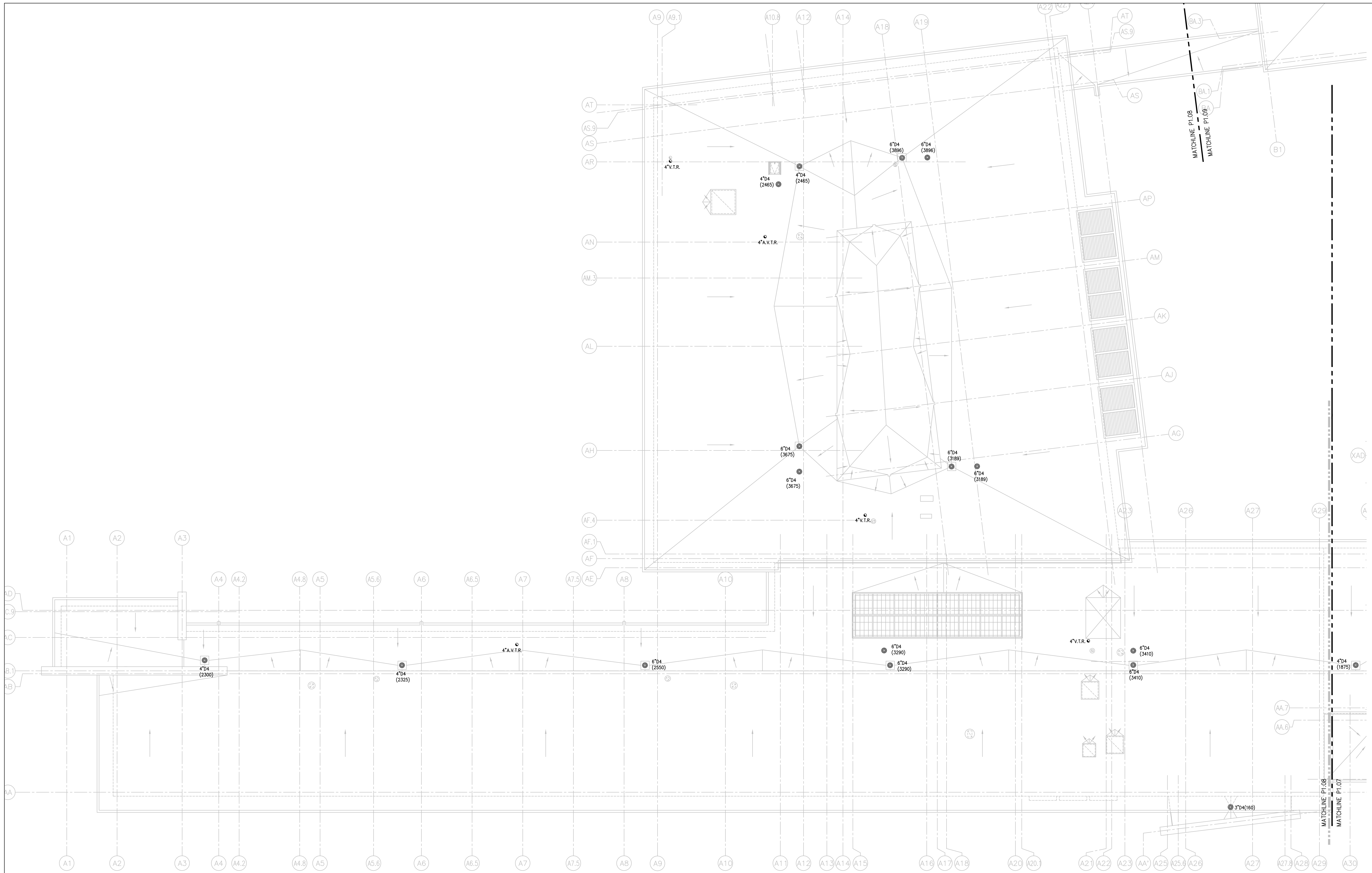
Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
SECOND FLOOR PLAN - AREA "B" - PLUMBING		REVISIONS	
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011 Scale: 1/8"=1'-0"	
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By SLF Approved By JEK Drawing No. P1.09	
CAD No. 0532 P-DD-SECOND NEW		Project No. BI-RT-843	



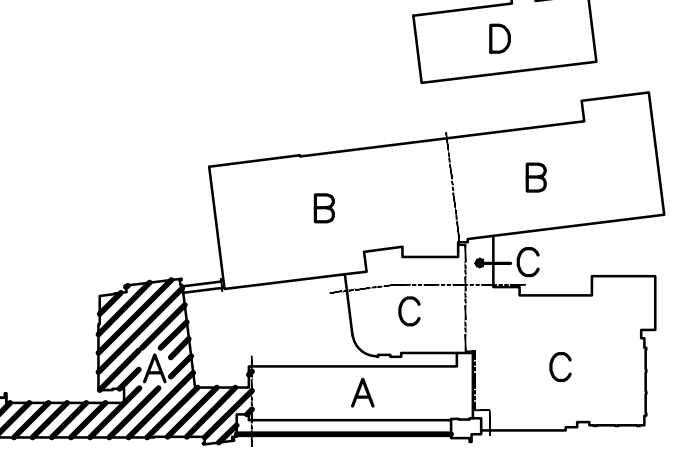
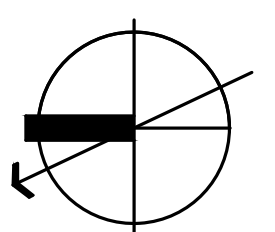
1 ROOF PLAN - AREA "A" & "C"
 P1.10 SCALE: 1/8"=1'-0"



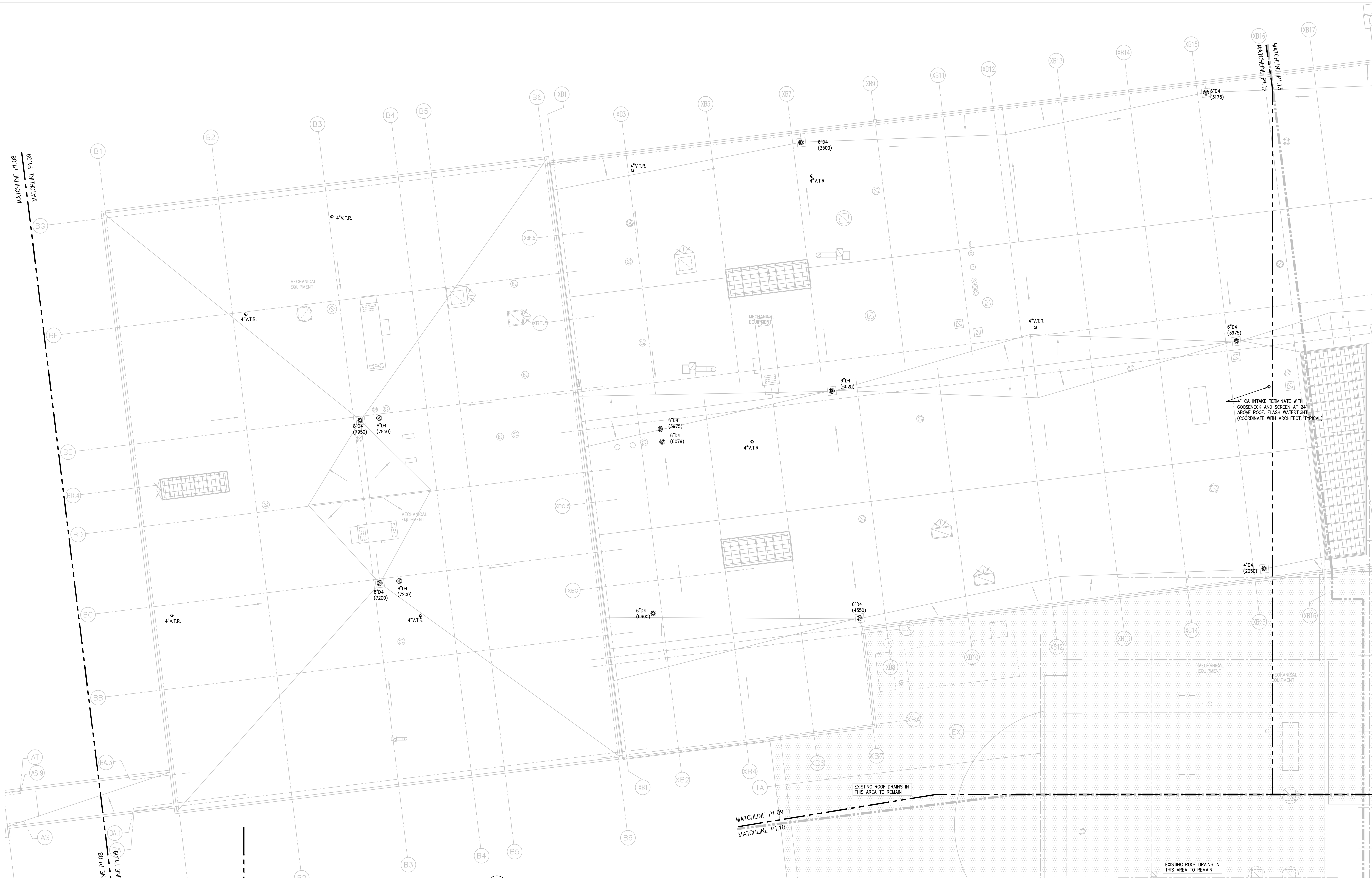
Drawing Title ROOF PLAN - AREA "A" & "C" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JJEK Drawing No. P1.10
CAD No. 0532 P-DD-ROOF NEW		Project No. BI-RT-843	



1 ROOF PLAN -- AREA "A"
 P1.11 / SCALE: 1/8"=1'-0"



Drawing Title ROOF PLAN -- AREA "A" -- PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011 Scale: 1/8"=1'-0"	
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By SLE Approved By JEK Drawing No. P1.11	
CAD No. 0532 P-DD-ROOF NEW		Project No. BI-RT-843	



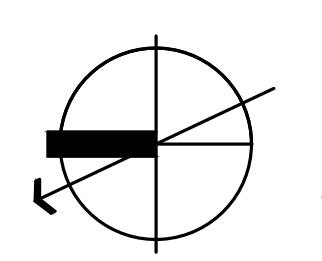
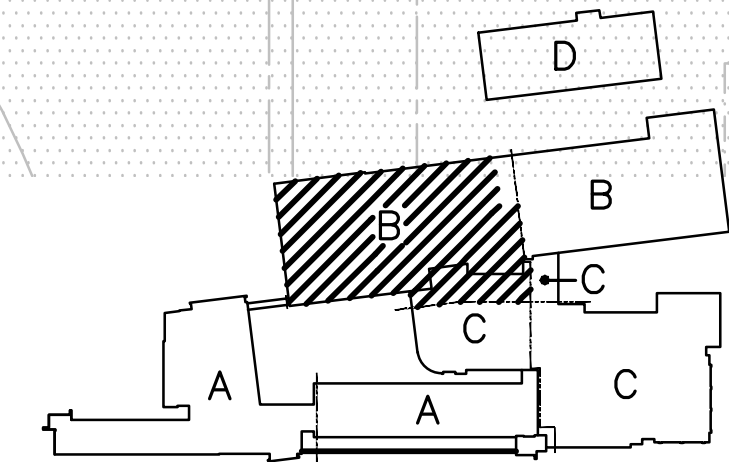
1 ROOF PLAN - AREA "B" & "C"
 P1.12 SCALE: 1/8"=1'-0"

4" CA INTAKE TERMINATE WITH GOOSENECK AND SCREEN AT 24" ABOVE ROOF. FLASH WATER TIGHT (COORDINATE WITH ARCHITECT, TYPICAL)

EXISTING ROOF DRAINS IN THIS AREA TO REMAIN

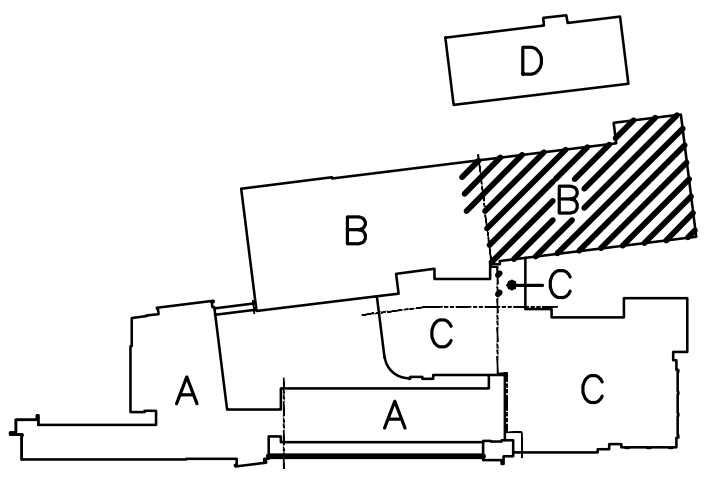
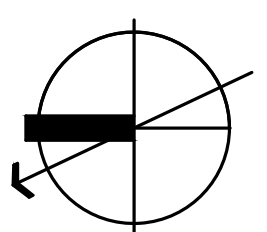
EXISTING ROOF DRAINS IN THIS AREA TO REMAIN

Drawing Title ROOF PLAN - AREA "B" & "C" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011 Scale: 1/8"=1'-0" Drawn By: SLF Approved By: JEK Drawing No.: P1.12	
Project: H.C. Wilcox Technical High School Meriden, CT		Project No.: BI-RT-843	
CAD No.: 0532 P-DD-ROOF NEW		Project No.: BI-RT-843	

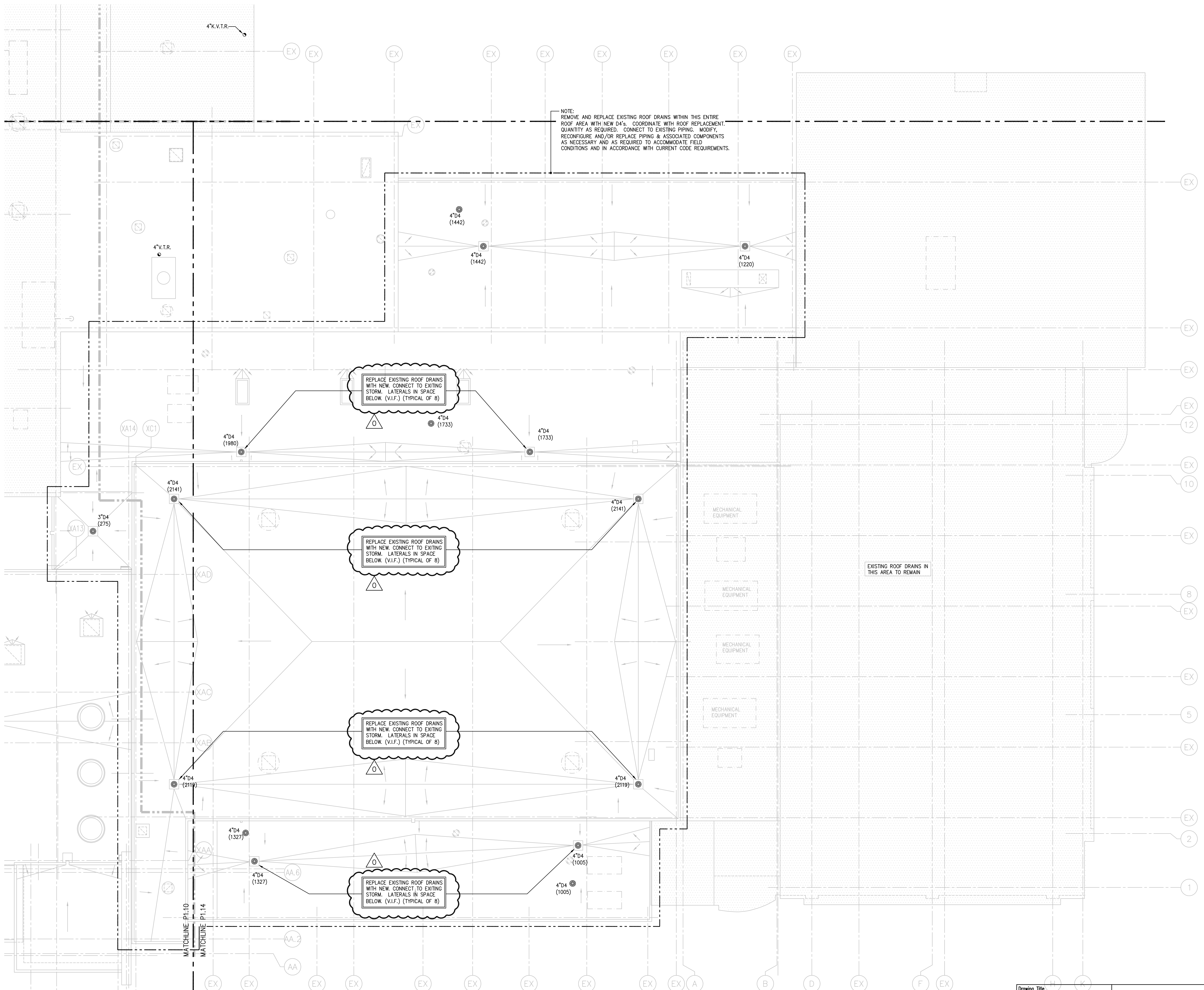




1 ROOF PLAN -- AREA "B" & "C"
 P1.13 SCALE: 1/8"=1'-0"

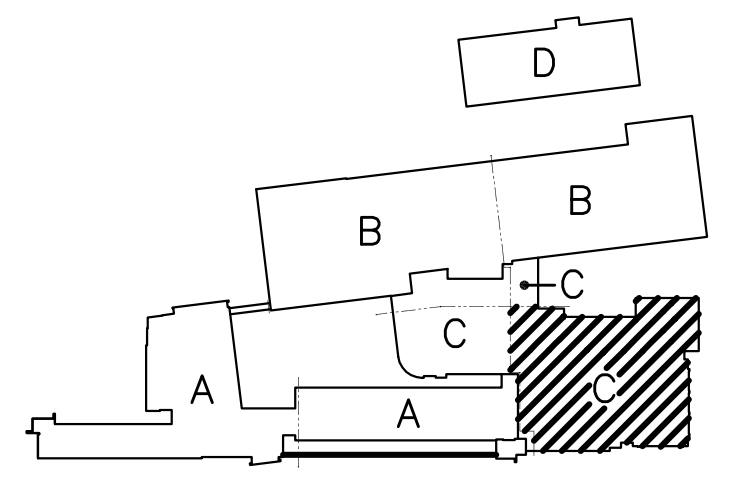
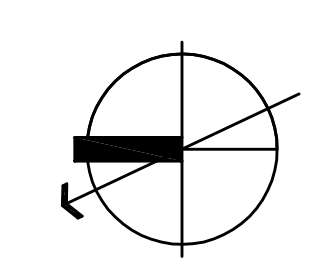


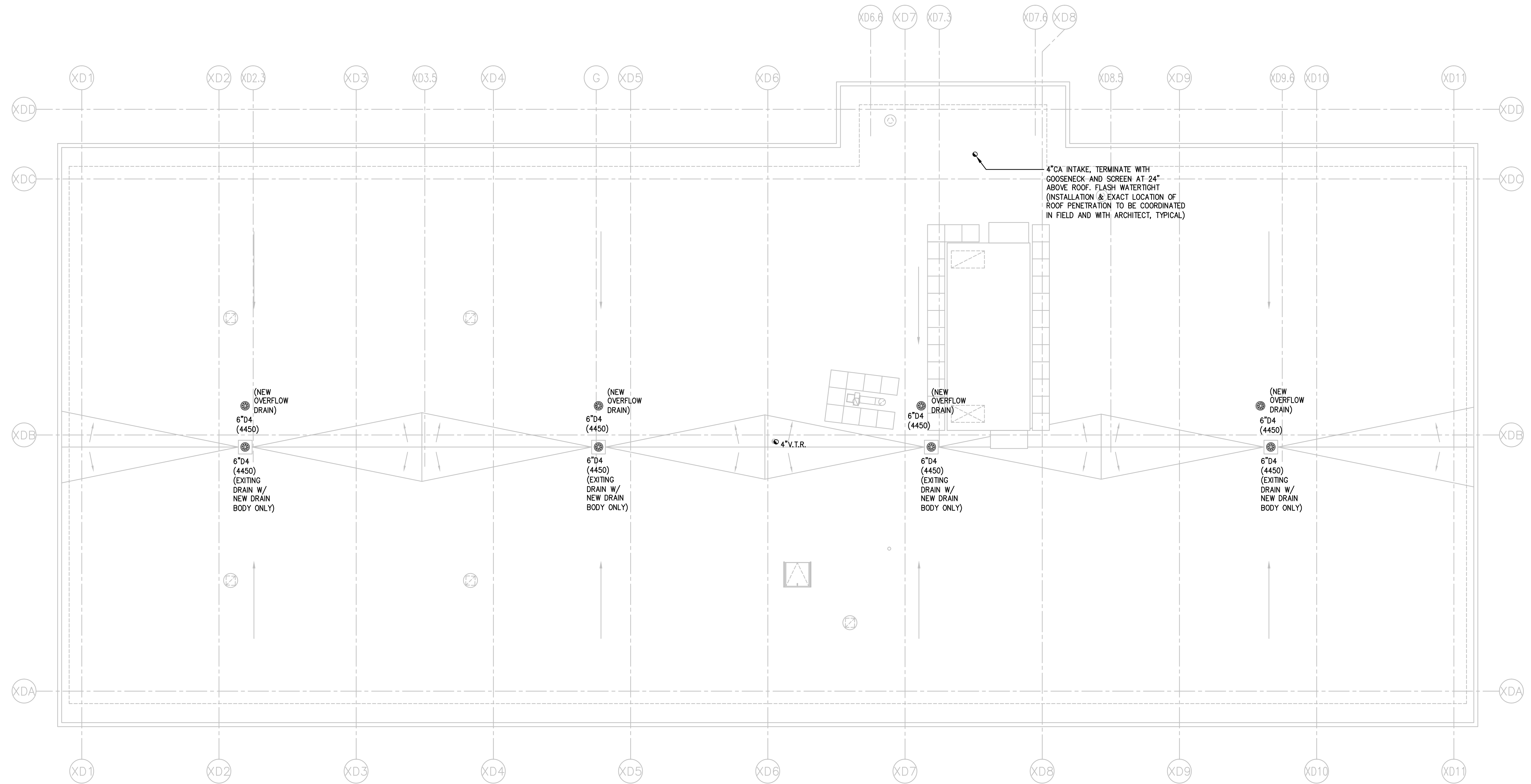
Drawing Title ROOF PLAN -- AREA "B" & "C" -- PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLE Approved By JEK Drawing No. P1.1.3
CAD No. 0532 P-DD-ROOF NEW		Project No. BI-RT-843	



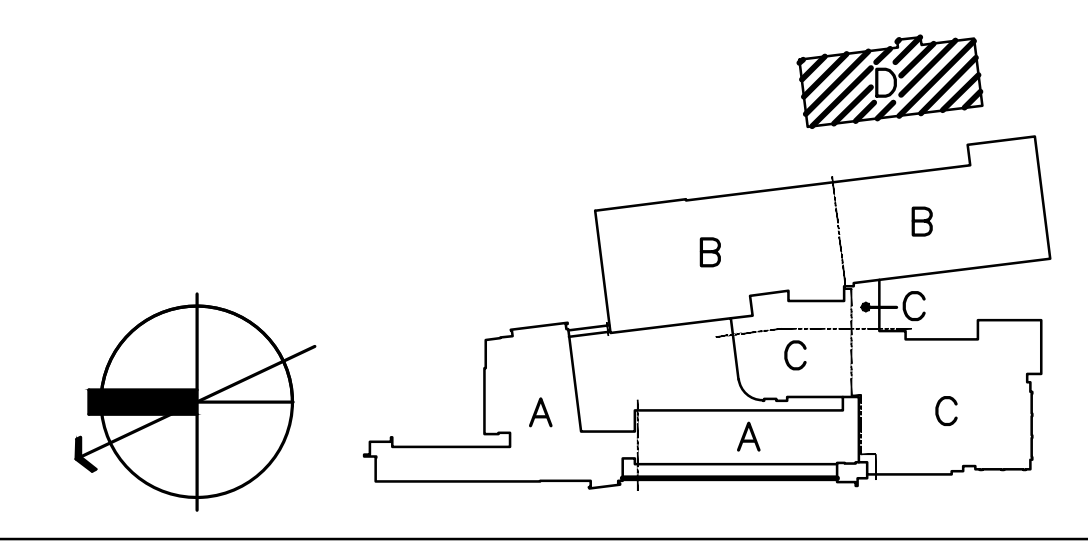
1 ROOF PLAN - AREA "C"
P1.14 / SCALE: 1/8"=1'-0"

Drawing Title ROOF PLAN - AREA "C" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Ta Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JEK Drawing No. P1.14
GD No. 05.32	P-DD-ROOF NEW	Project No. BR-RF-843	

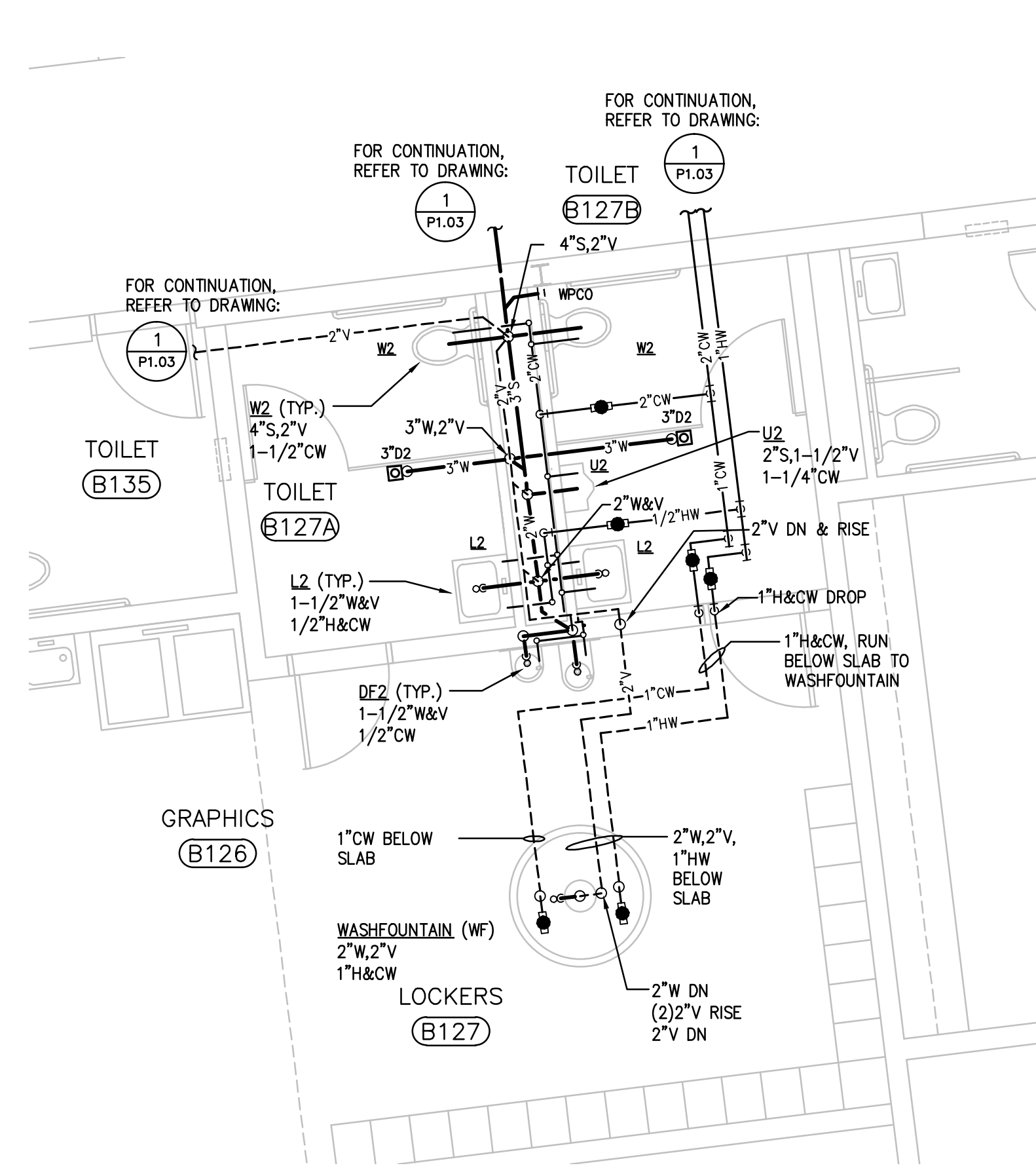




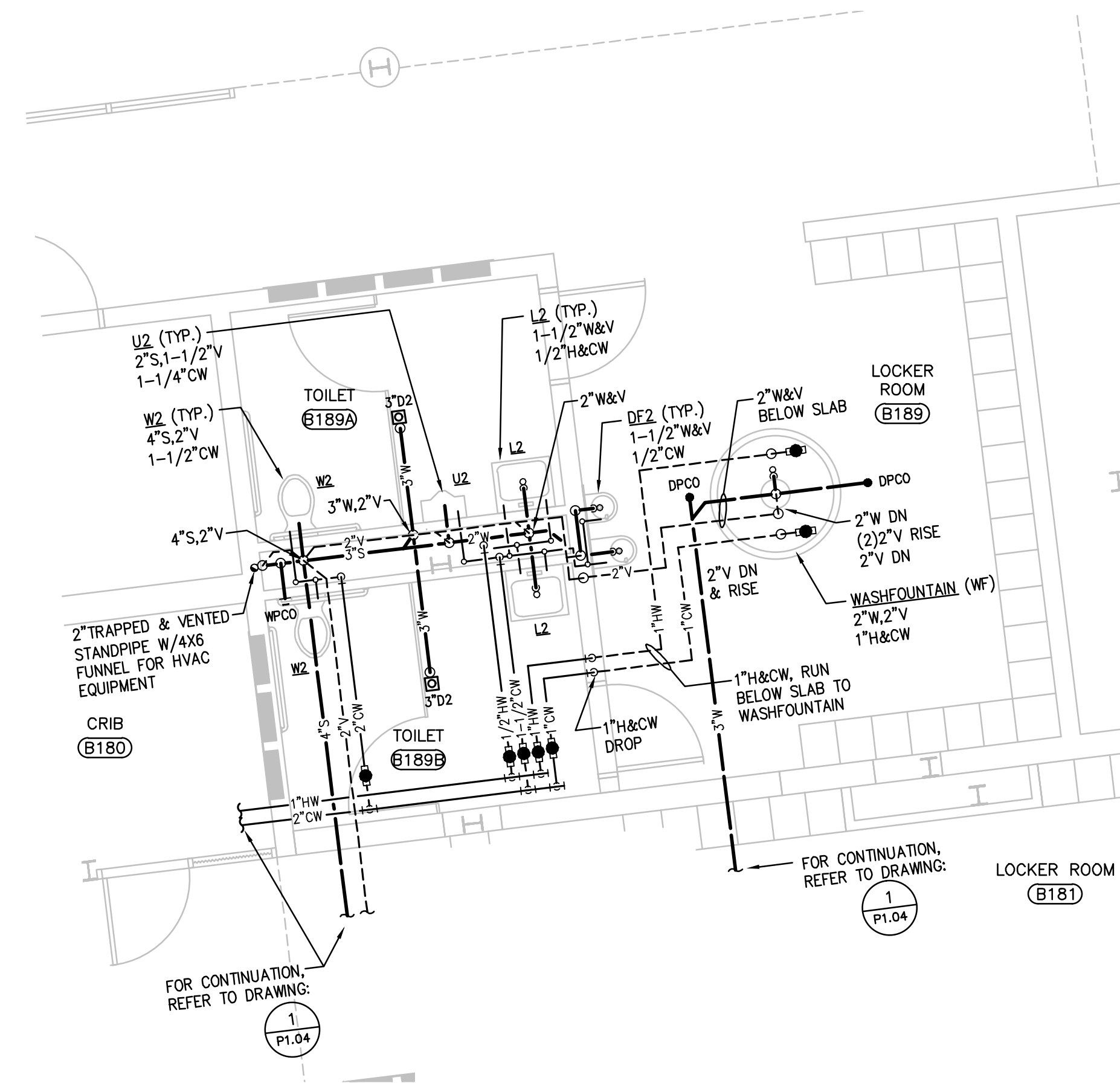
1 ANNEX BUILDING ROOF PLAN - AREA "D"
 P1.15 / SCALE: 1/8"=1'-0"



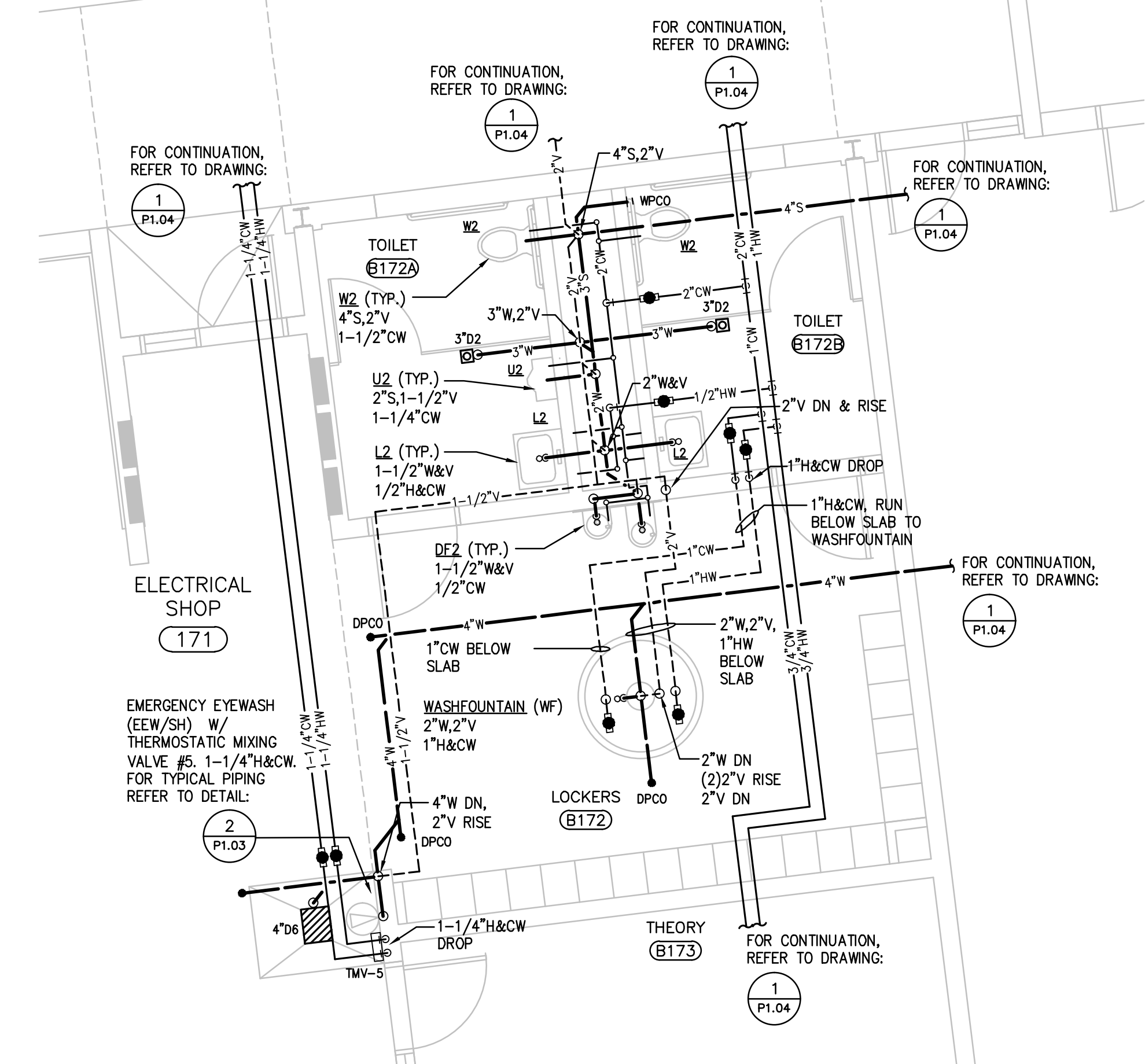
Drawing Title ROOF PLAN - AREA "D" - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark	Description	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JEK Drawing No. P1.15
CAD No. 0532 P-DD-ROOF NEW		Project No. BI-RT-843	P1.15



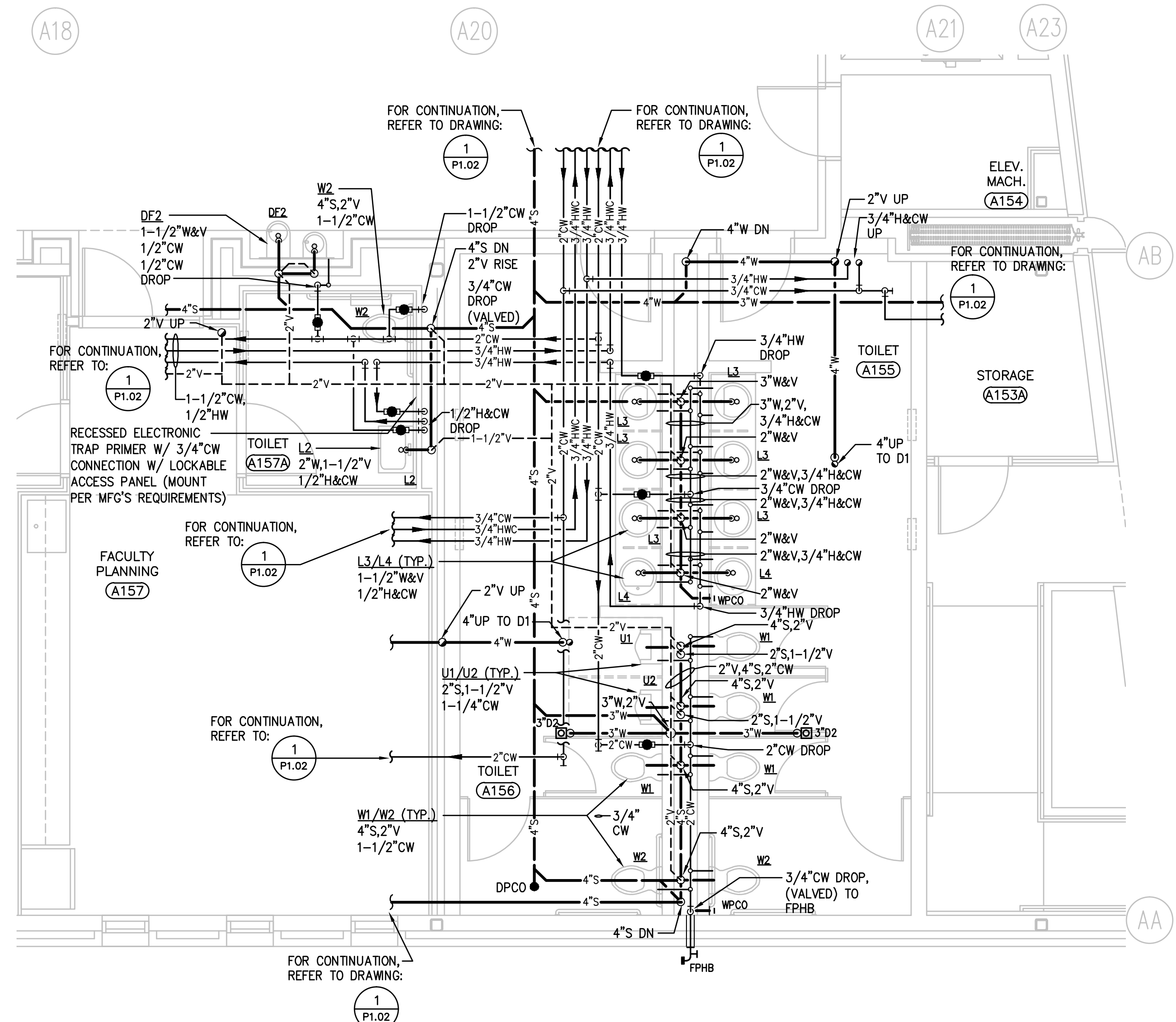
1 LOCKER/TOILET ROOMS - PART PLAN - AREA "B" - GRAPHICS
P.3.01 SCALE: 1/4"=1'-0"



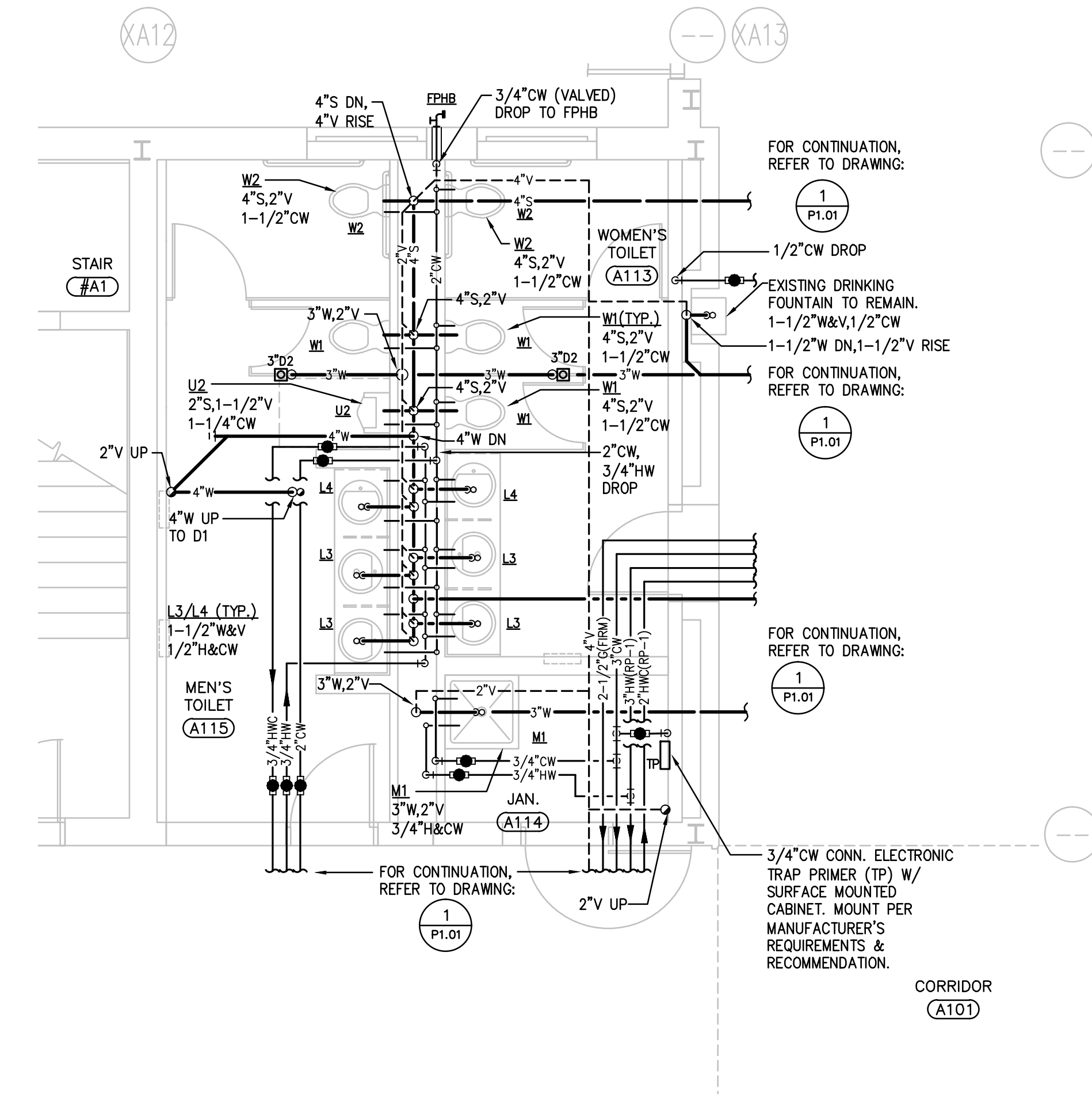
2 LOCKER/TOILET ROOMS - PART PLAN - AREA "B" - FRESHMAN LAB
P.3.01 SCALE: 1/4"=1'-0"



3 LOCKER/TOILET ROOMS - PART PLAN - AREA "B" - ELECTRICAL SHOP
P.3.01 SCALE: 1/4"=1'-0"

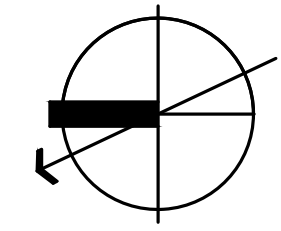


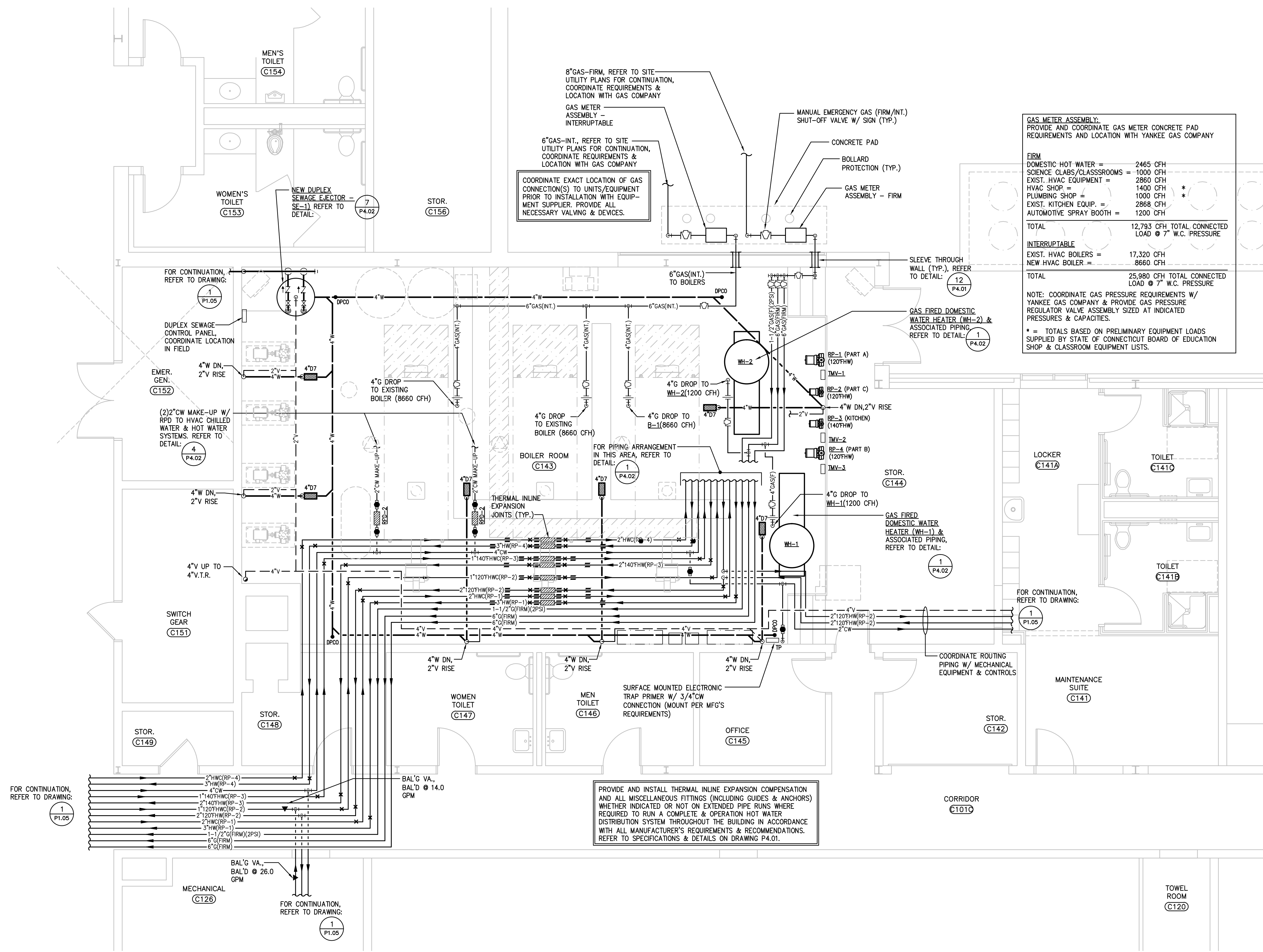
4 TOILET ROOM #A155, #A156 & A157A PART PLANS - AREA "A"
P.3.01 SCALE: 1/4"=1'-0"



5 MENS TOILET #A115 & WOMENS TOILET #A113
PART PLAN - AREA "A"
P.3.01 SCALE: 1/4"=1'-0"

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PART PLANS - PLUMBING		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	Description	Drawn By	Date
		Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale 1/4"=1'-0"
		Hartford, CT 06106	Project
		H.C. Wilcox Technical High School	Drawn By SLE
		Meriden, CT	Approved By JEK
			Drawing No. P.3.01
CAD No. 0532 P-DD-FIRST FLR PART		Project No. BI-RT-843	





1 BOILER ROOM PART PLAN - AREA "C"
 P3.02 SCALE: 1/4"=1'-0"

8" GAS-FIRM, REFER TO SITE UTILITY PLANS FOR CONTINUATION, COORDINATE REQUIREMENTS & LOCATION WITH GAS COMPANY.
 GAS METER ASSEMBLY - INTERRUPTIBLE

6" GAS-INT, REFER TO SITE UTILITY PLANS FOR CONTINUATION, COORDINATE REQUIREMENTS & LOCATION WITH GAS COMPANY.

COORDINATE EXACT LOCATION OF GAS CONNECTION(S) TO UNITS/EQUIPMENT PRIOR TO INSTALLATION WITH EQUIPMENT SUPPLIER. PROVIDE ALL NECESSARY VALVING & DEVICES.

MANUAL EMERGENCY GAS (FIRM/INT) SHUT-OFF VALVE W/ SIGN (TYP.)

CONCRETE PAD

BOLLARD PROTECTION (TYP.)

GAS METER ASSEMBLY - FIRM

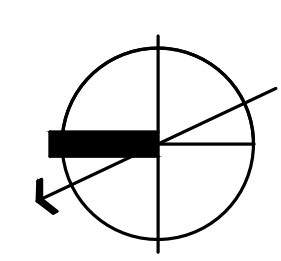
GAS METER ASSEMBLY:
 PROVIDE AND COORDINATE GAS METER CONCRETE PAD REQUIREMENTS AND LOCATION WITH YANKEE GAS COMPANY

DEM	
DOMESTIC HOT WATER =	2465 CFH
SCIENCE CLABS/CLASSROOMS =	1000 CFH
EXIST. HVAC EQUIPMENT =	2860 CFH
HVAC SHOP =	1400 CFH *
PLUMBING SHOP =	1000 CFH *
EXIST. KITCHEN EQUIP. =	2868 CFH
AUTOMOTIVE SPRAY BOOTH =	1200 CFH
TOTAL	12,793 CFH TOTAL CONNECTED LOAD @ 7" W.C. PRESSURE
INTERRUPTIBLE	
EXIST. HVAC BOILERS =	17,320 CFH
NEW HVAC BOILER =	8660 CFH
TOTAL	25,980 CFH TOTAL CONNECTED LOAD @ 7" W.C. PRESSURE

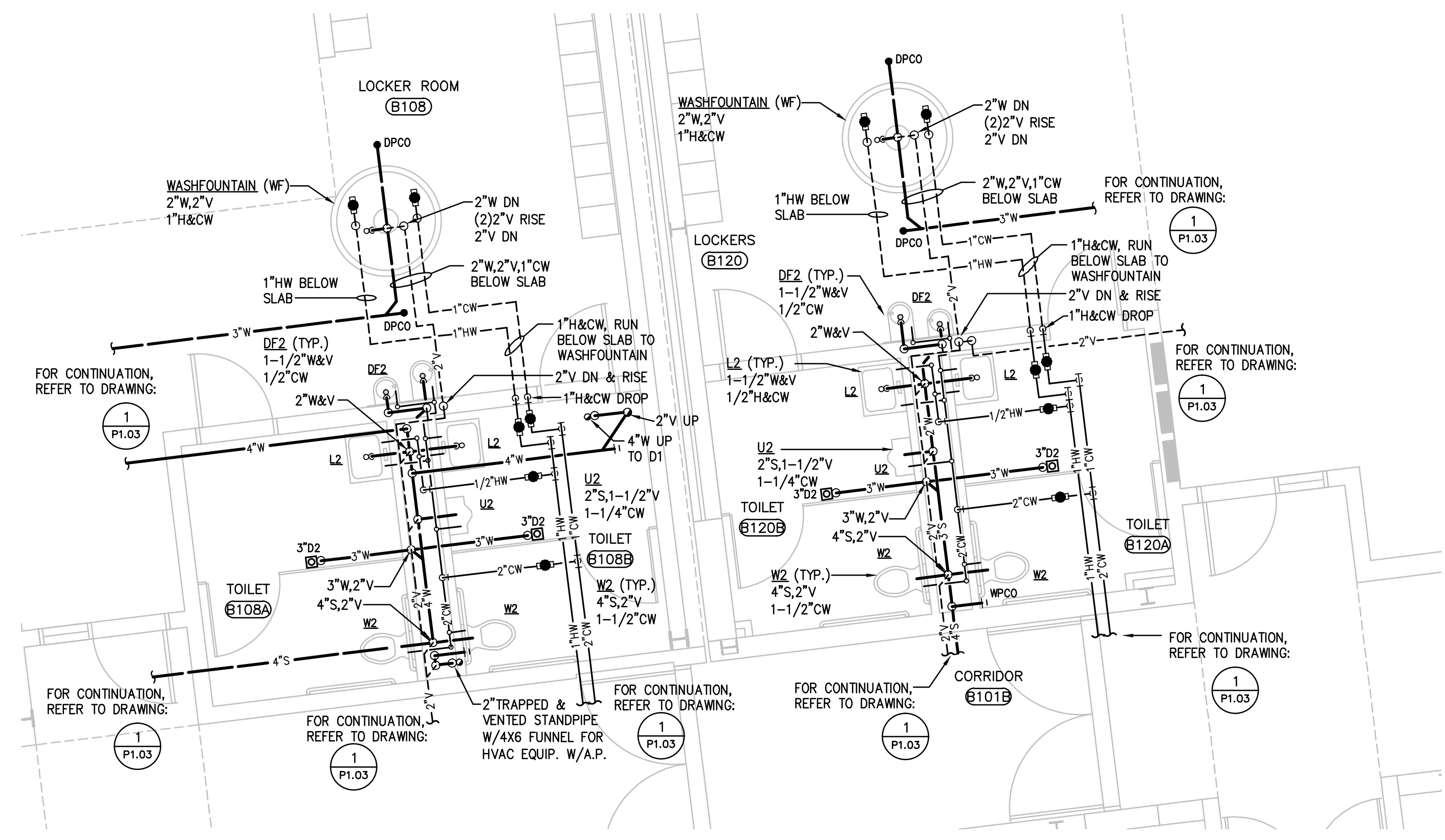
NOTE: COORDINATE GAS PRESSURE REQUIREMENTS W/ YANKEE GAS COMPANY & PROVIDE GAS PRESSURE REGULATOR VALVE ASSEMBLY SIZED AT INDICATED PRESSURES & CAPACITIES.

* = TOTALS BASED ON PRELIMINARY EQUIPMENT LOADS SUPPLIED BY STATE OF CONNECTICUT BOARD OF EDUCATION SHOP & CLASSROOM EQUIPMENT LISTS.

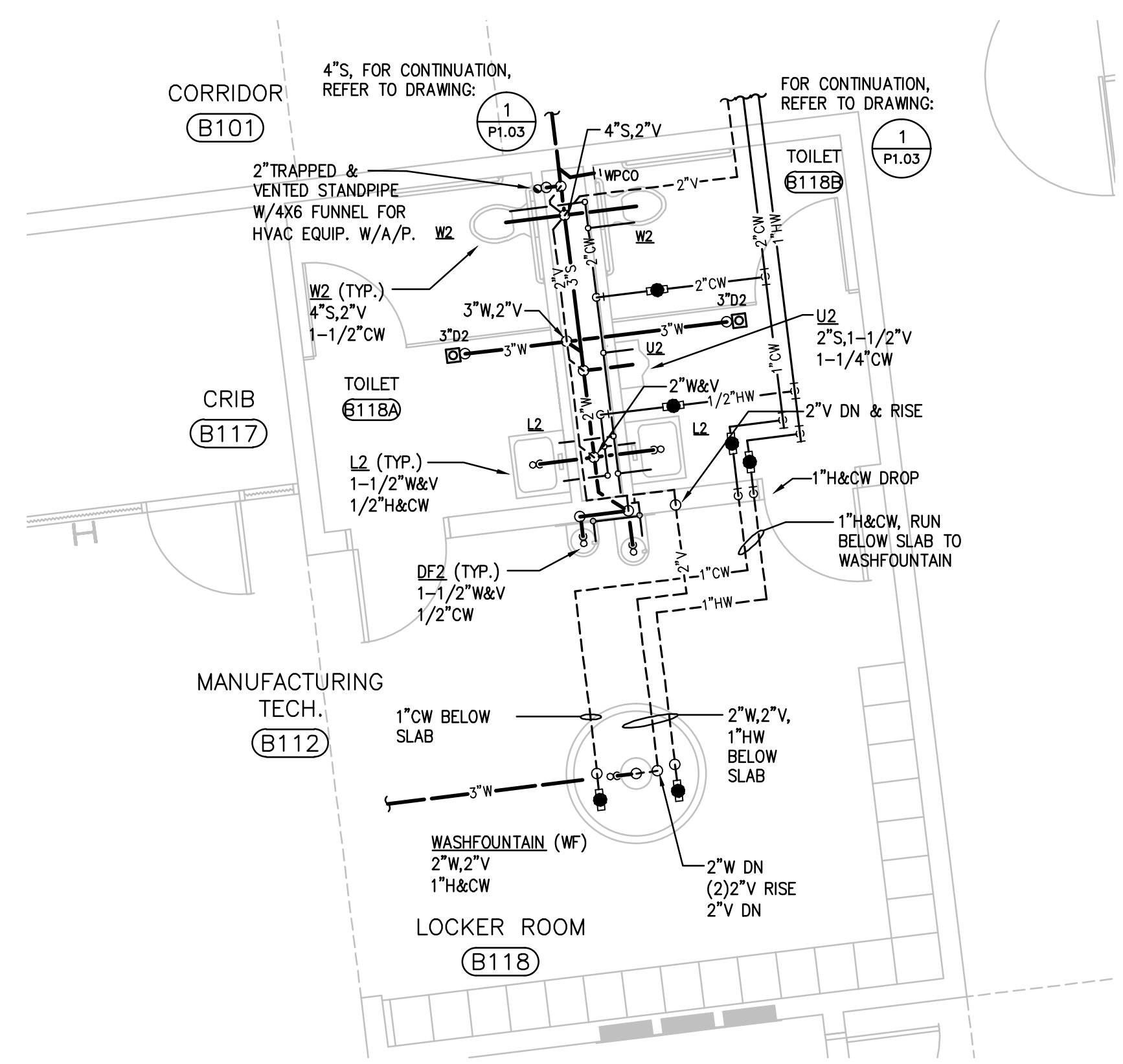
PROVIDE AND INSTALL THERMAL INLINE EXPANSION COMPENSATION AND ALL MISCELLANEOUS FITTINGS (INCLUDING GUIDES & ANCHORS) WHETHER INDICATED OR NOT ON EXTENDED PIPE RUNS WHERE REQUIRED TO RUN A COMPLETE & OPERATION HOT WATER DISTRIBUTION SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH ALL MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS. REFER TO SPECIFICATIONS & DETAILS ON DRAWING P4.01.



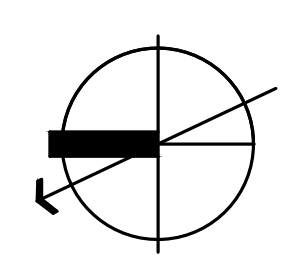
Drawing Title FIRST FLOOR PART PLANS - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/4"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLF Approved By JEK Drawing No.
CAD No. 0532 P-DD-FIRST FLR PART		Project No. BI-RT-843	P3.02



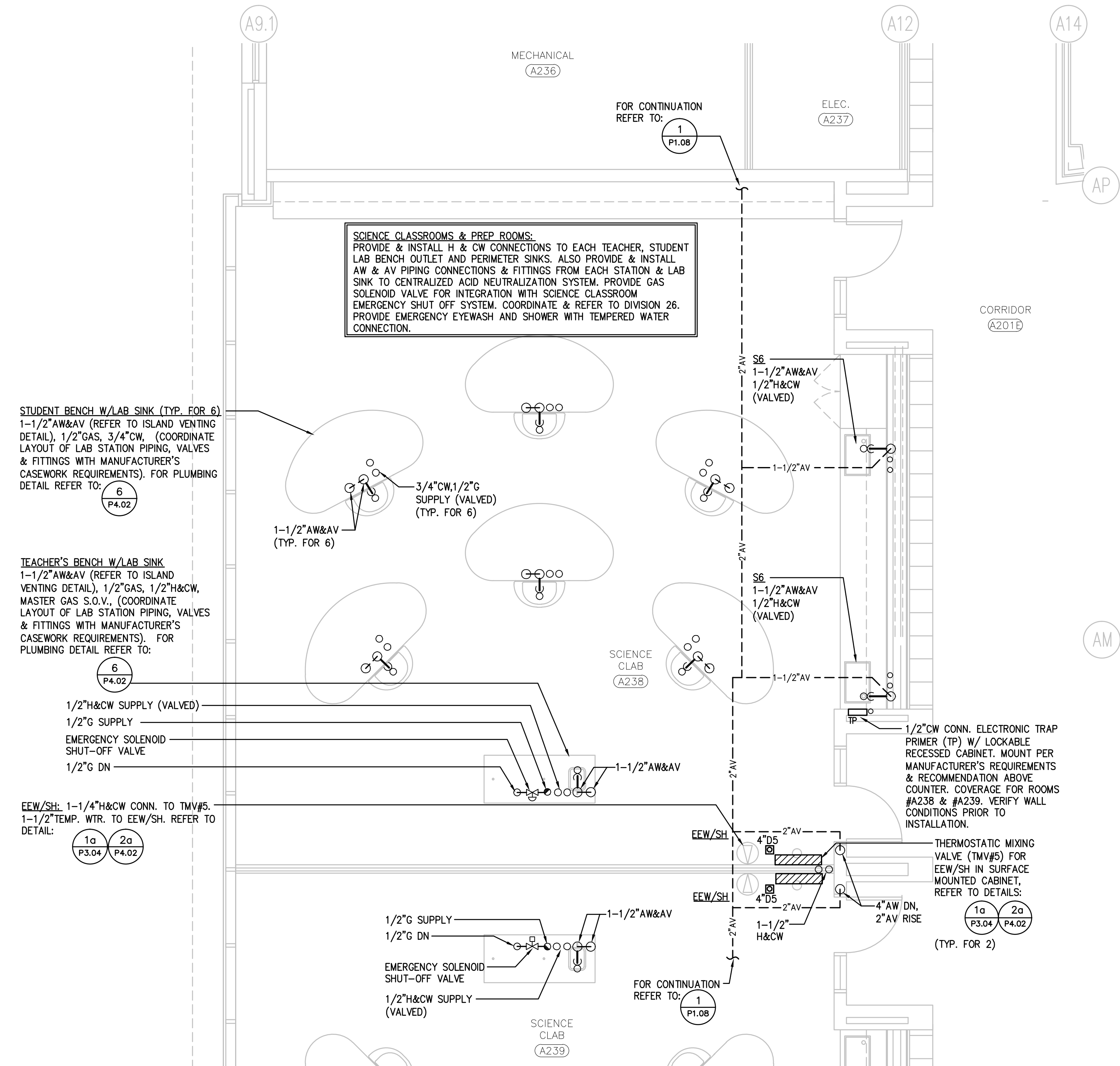
1 LOCKER/TOILET ROOMS - PART PLAN - AREA "B" - HVAC & PLUMBING
 P.3.03 / SCALE: 1/4"=1'-0"



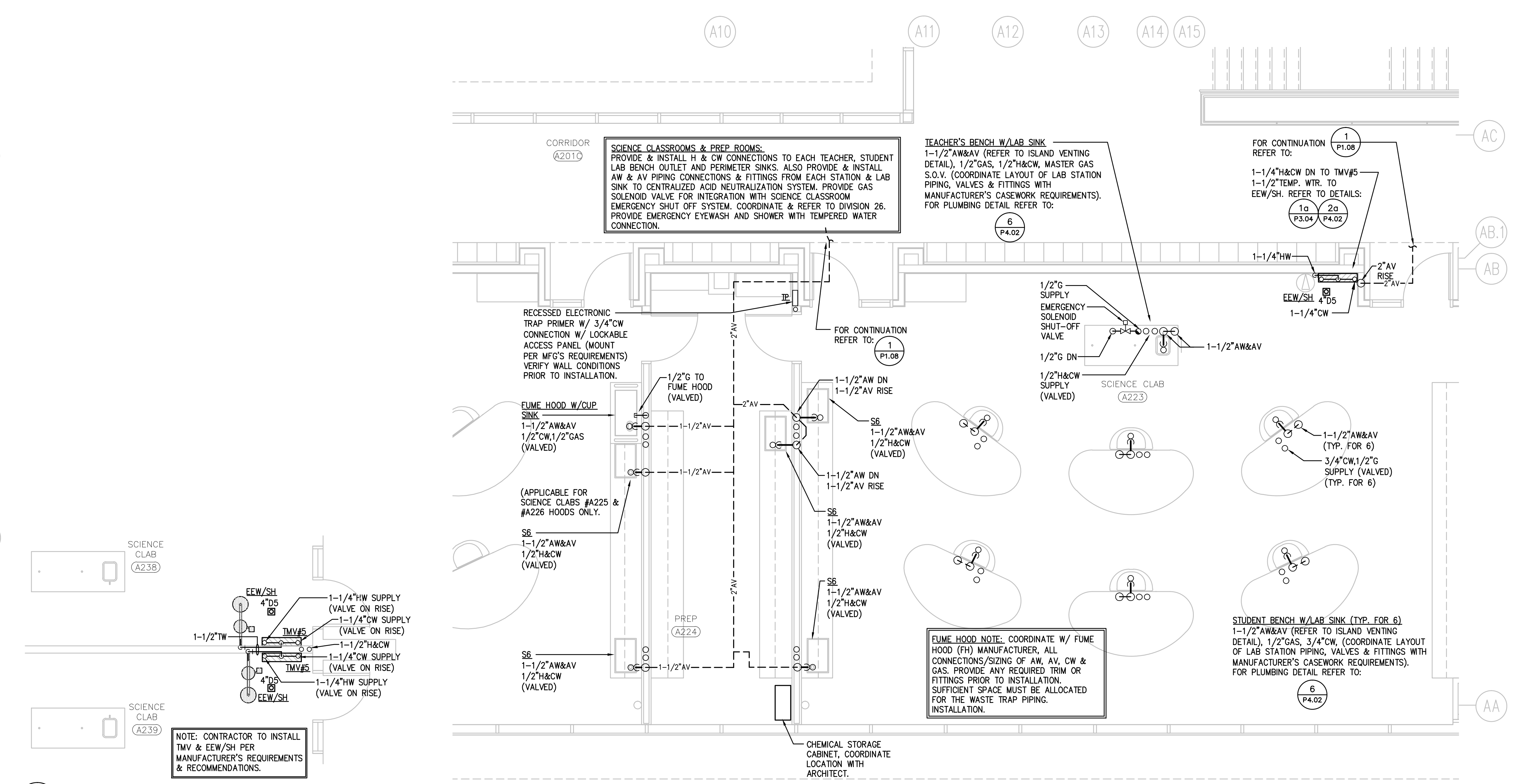
2 LOCKER/TOILET ROOMS - PART PLAN - AREA "B" - MANUFACTURING TECHNOLOGY
 P.3.03 / SCALE: 1/4"=1'-0"



Drawing Title FIRST FLOOR PART PLANS - PLUMBING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/4"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLE Approved By JEK Drawing No.
CAD No.	0532 P-DD-FIRST FLR PART	Project No.	BI-RT-843
			P.3.03



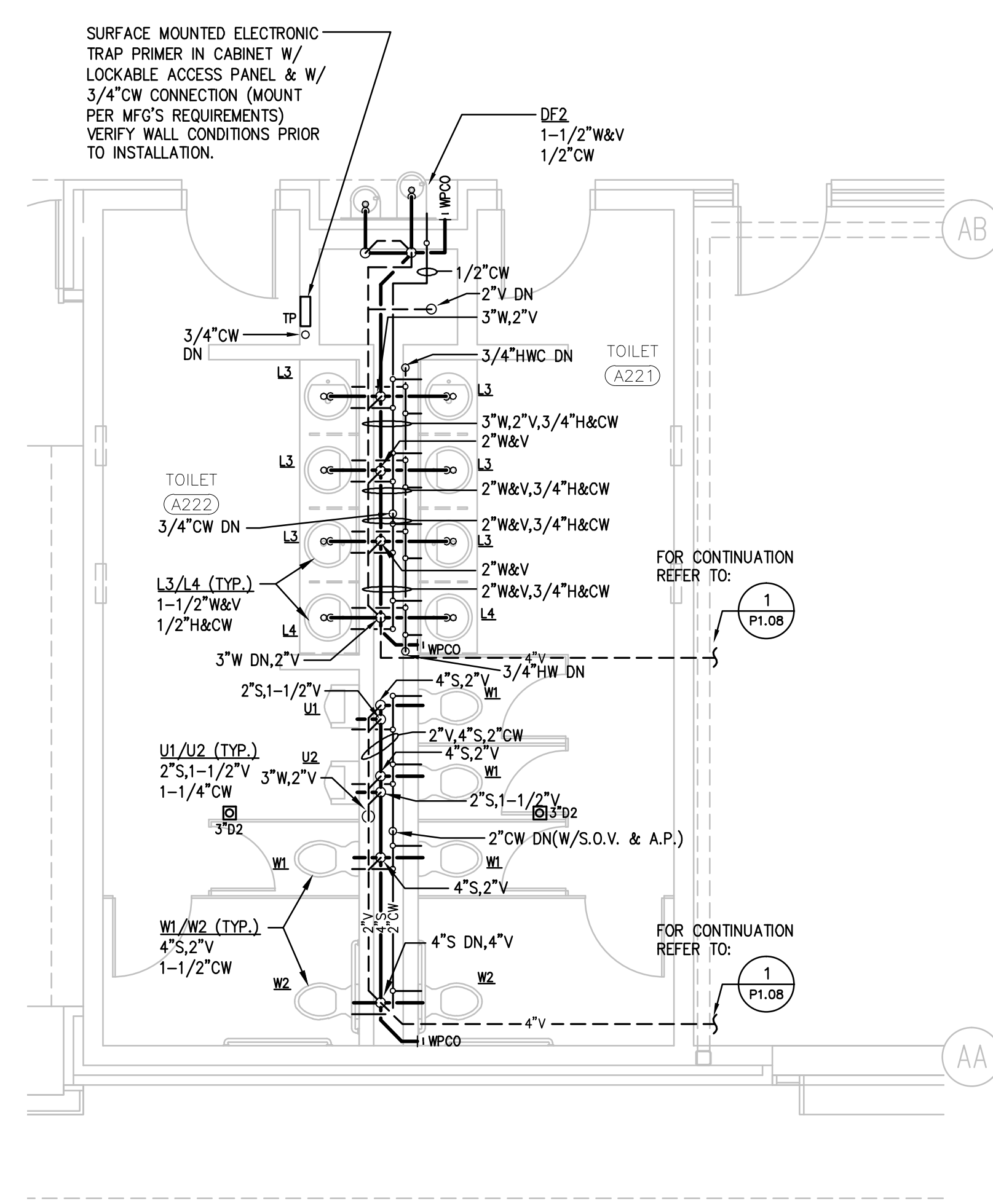
1 SCIENCE CLASSROOM #A238
 P3.04 SCALE: 1/4"=1'-0"
 NOTE: SIMILAR MIRRORED LAYOUT IN SCIENCE ROOM #A239



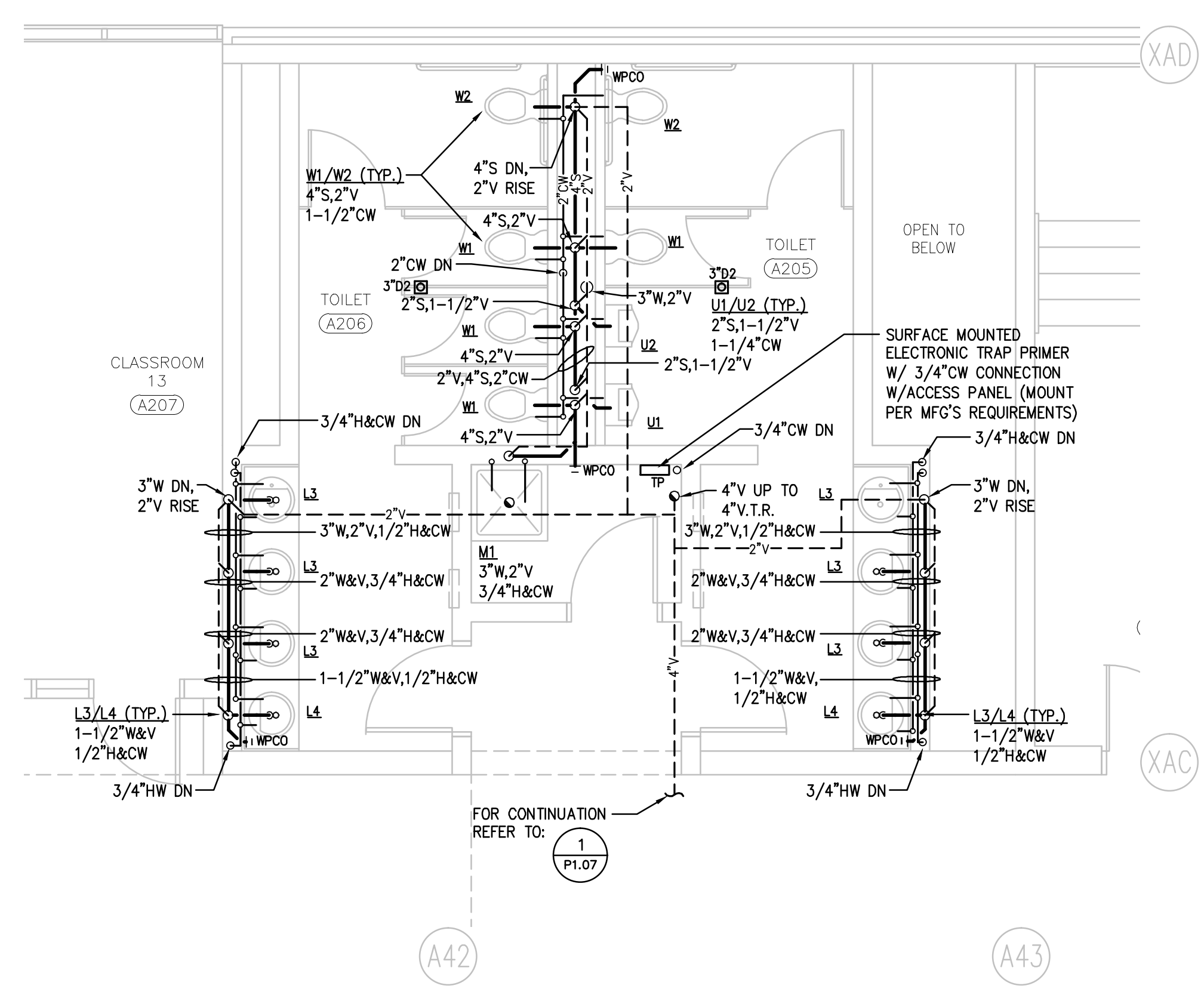
1a EEW/SH W/TMV H&CW PIPING SCHEMATIC
 SCALE: NONE

SIMILAR SINGULAR APPLICATION IN SCIENCE CLASSROOMS: #A225, #A226 & #A228. REFER TO DETAIL #2, DWG. P3.03.

2 TYPICAL SCIENCE CLASSROOM & PREP ROOM
 P3.04 SCALE: 1/4"=1'-0"
 NOTE: SIMILAR OR MIRRORED LAYOUT IN SCIENCE ROOM #A225, #A226, #228 AND PREP ROOM #A227

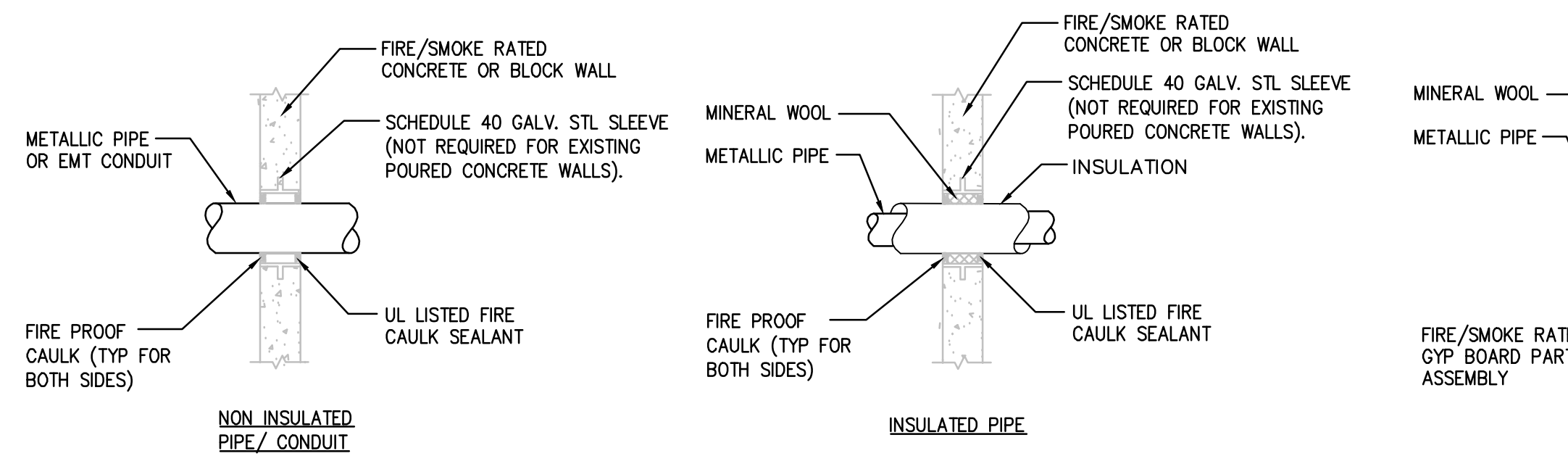


3 TOILET ROOM #A222 & #A221
 P3.04 SCALE: 1/4"=1'-0"

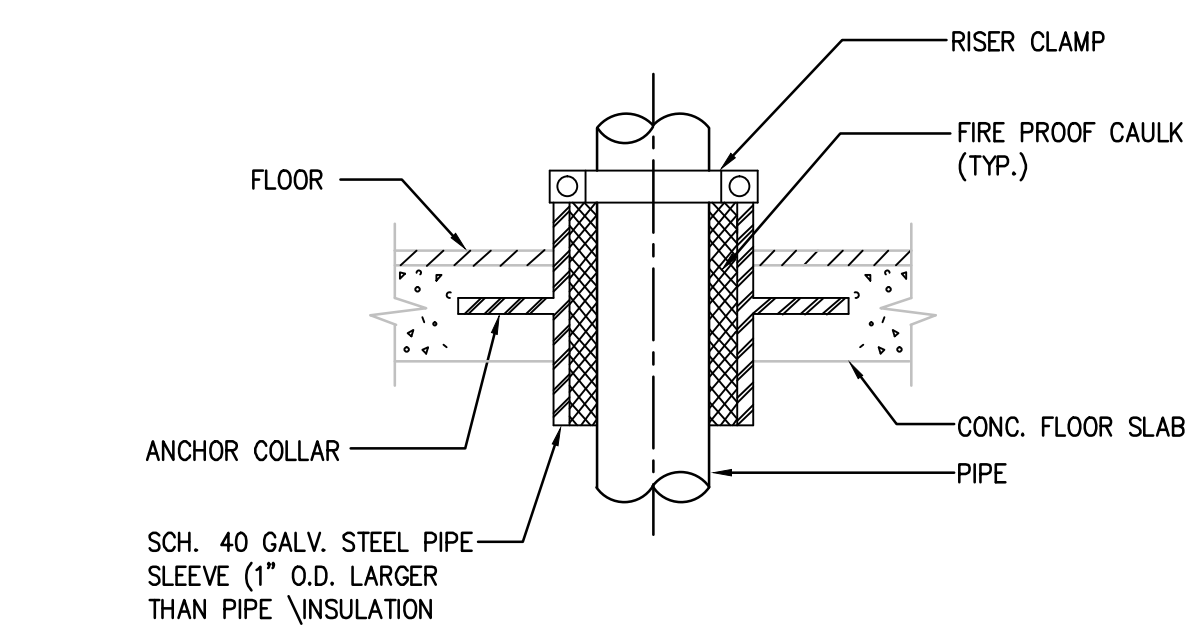


4 TOILET ROOM #A205 & #A206
 P3.04 SCALE: 1/4"=1'-0"

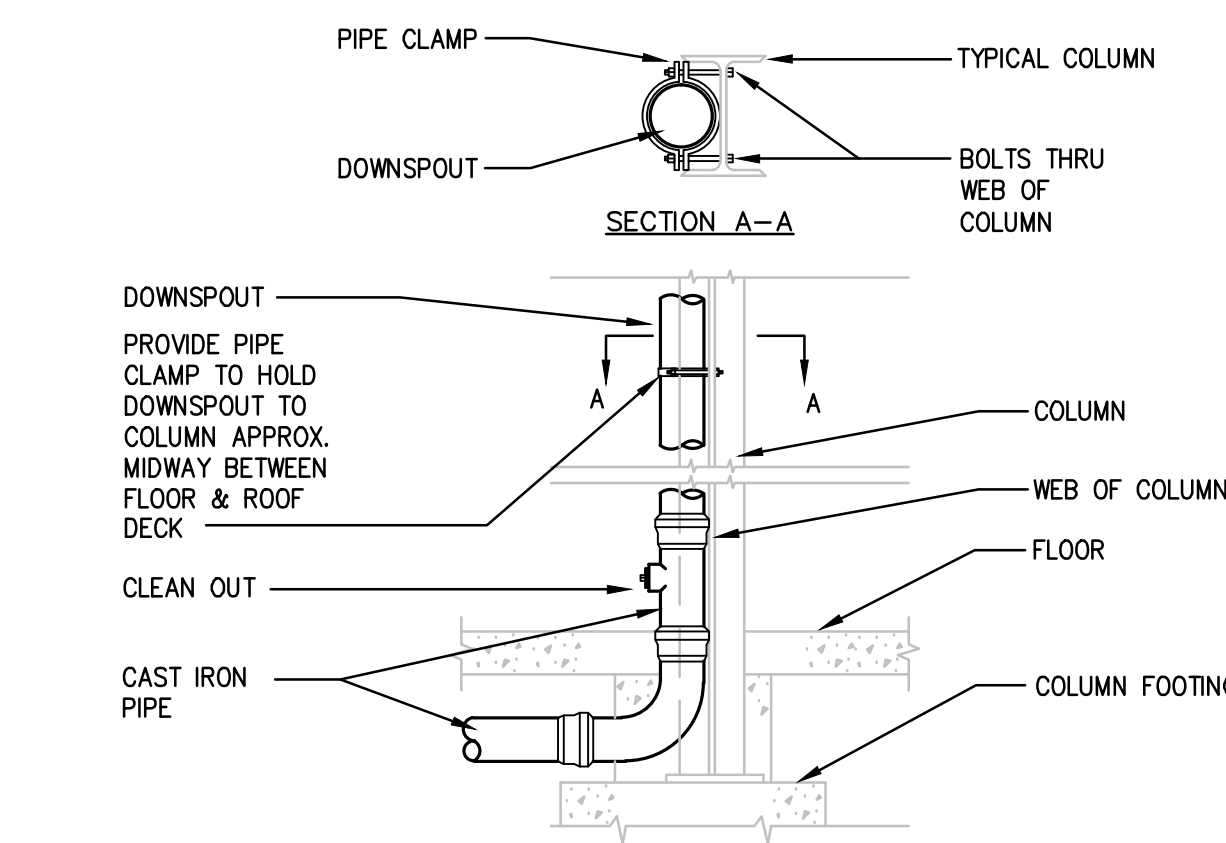
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PART		DEPARTMENT OF PUBLIC WORKS	
PLANS - PLUMBING		REVISIONS	
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/4"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLE Approved By JK Drawing No.
CAD No.	0532 P-DD-2ND FLR PART	Project No.	BI-RT-843
			P3.04



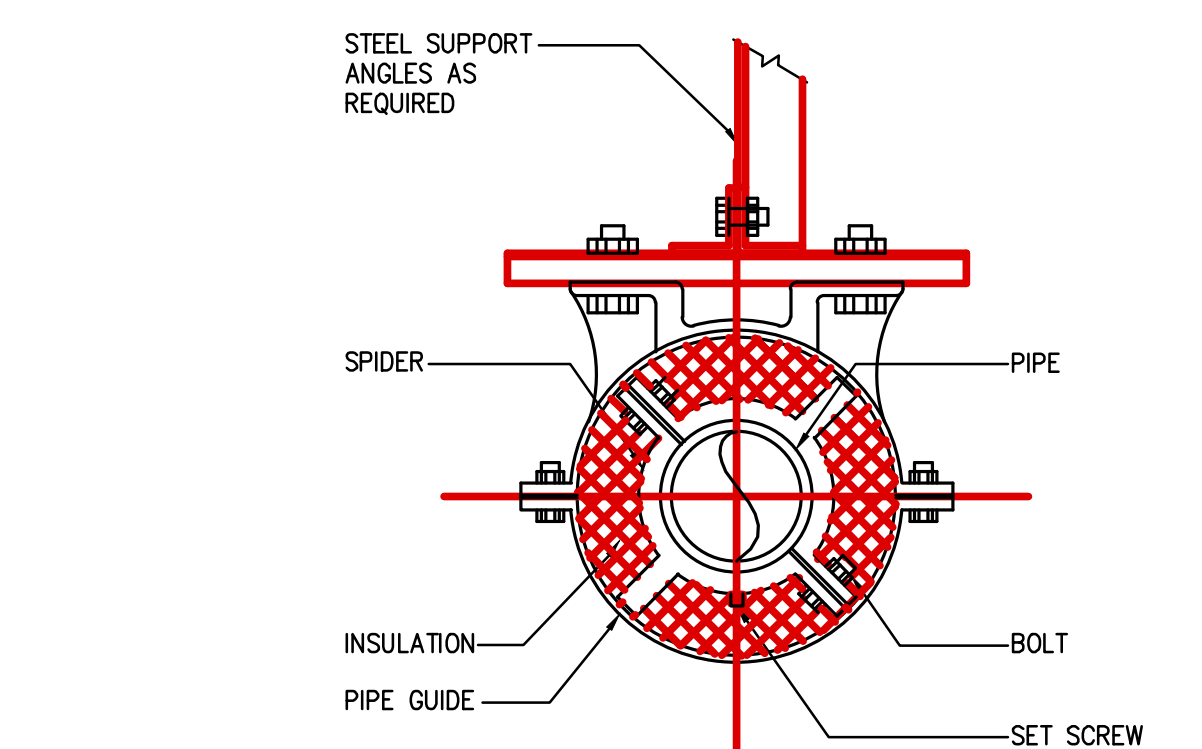
1 PIPE PENETRATION WITH FIRE/SMOKE SEAL
P4.01 SCALE: N.T.S.



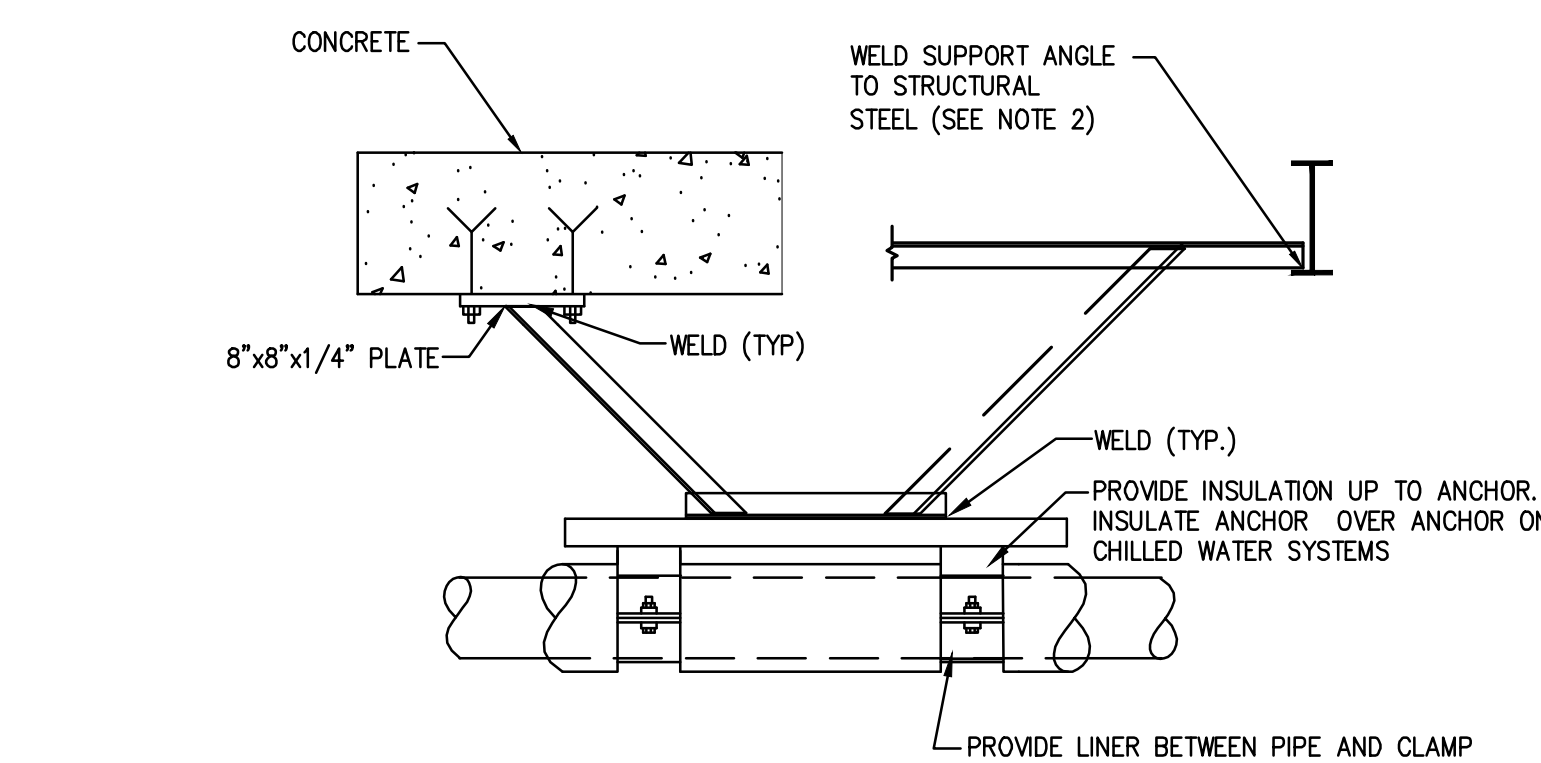
2 INTERIOR PIPE PENETRATION WITH SLEEVE
P4.01 SCALE: N.T.S.



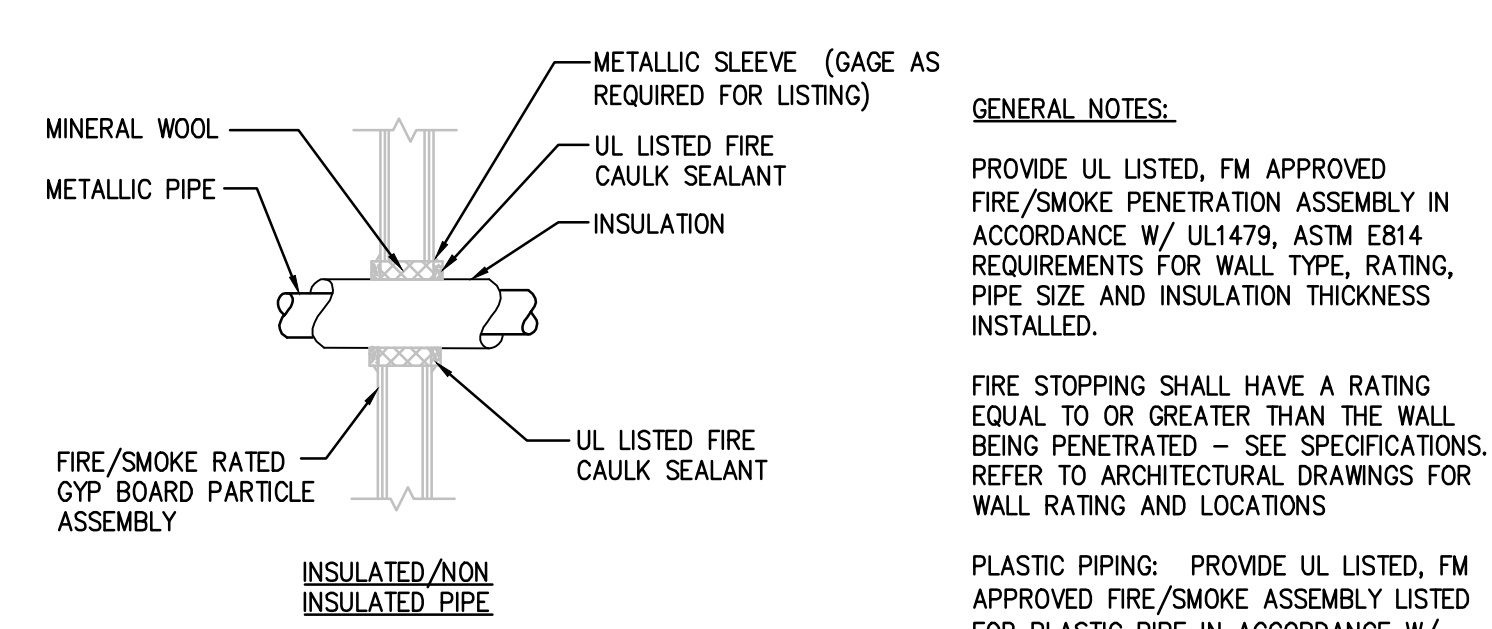
4 LEADER/STACK BASE DETAIL
P4.01 NOT TO SCALE



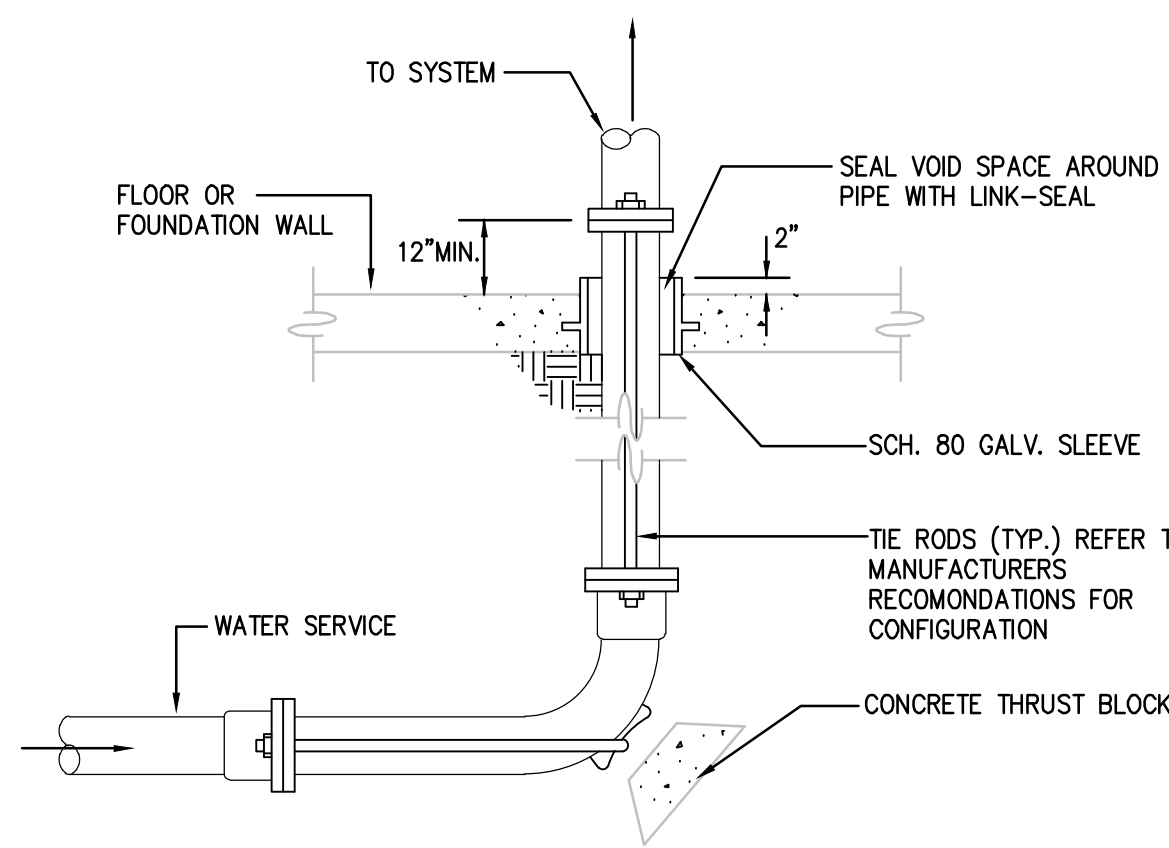
13 PIPE GUIDE INSTALLATION DETAIL
P4.01 NOT TO SCALE



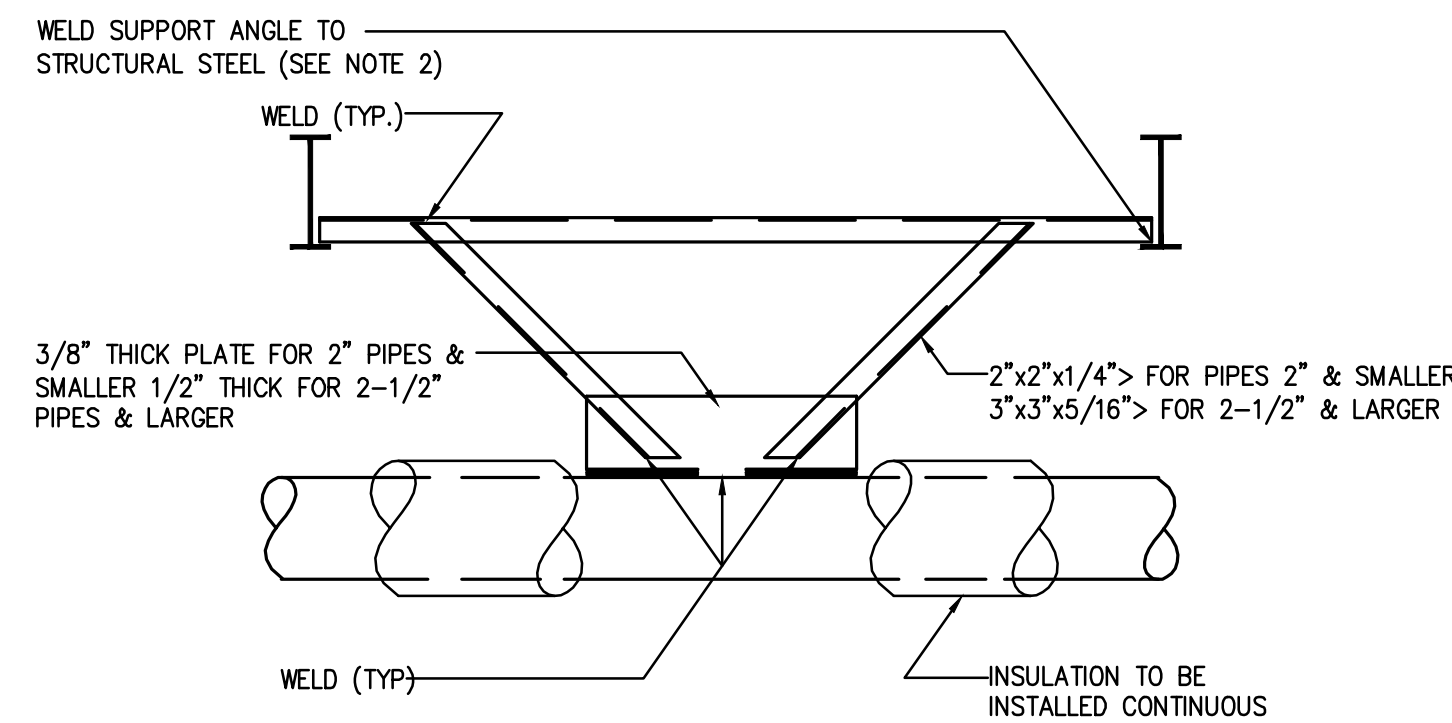
14 PIPE GUIDE INSTALLATION DETAIL
P4.01 NOT TO SCALE



3 WATER SERVICE ENTRY DETAIL
P4.01 SCALE: N.T.S.



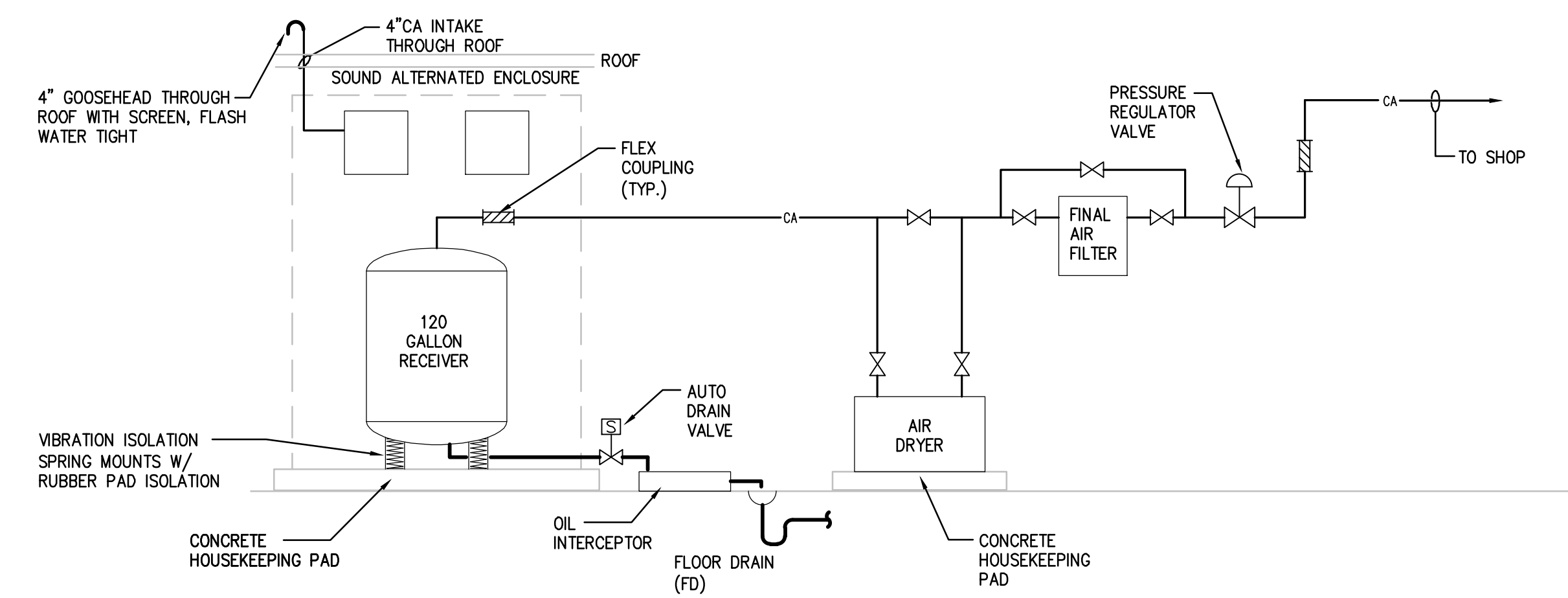
5 NOT USED
P4.01 SCALE: ---



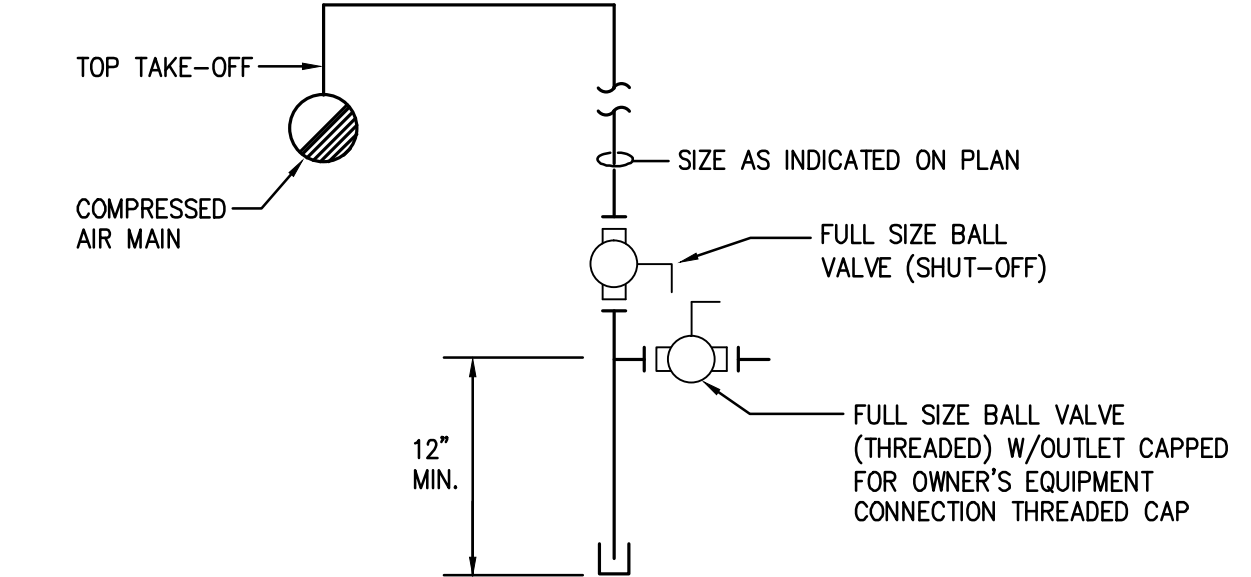
12 EXTERIOR PIPE PENETRATION W/SLEEVE DETAIL
P4.01 SCALE: N.T.S.

15 PIPE ANCHOR DETAIL STEEL PIPE
P4.01 NOT TO SCALE

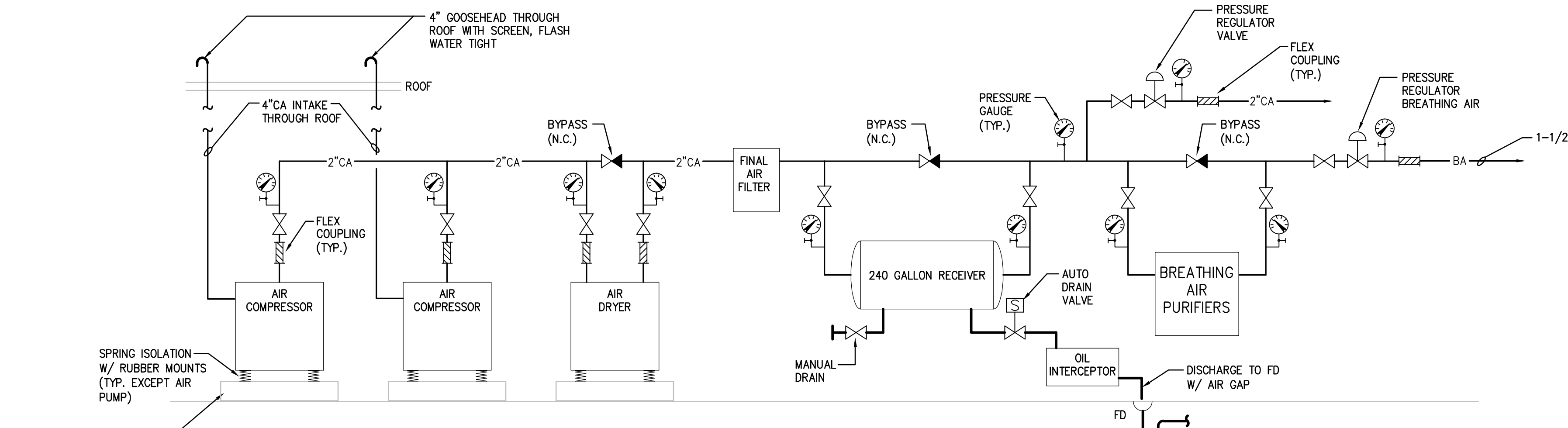
GENERAL NOTES:
PROVIDE UL LISTED, FM APPROVED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/ UL1479, ASTM E814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE AND INSULATION THICKNESS INSTALLED.
FIRE STOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED - SEE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATING AND LOCATIONS.
PLASTIC PIPING: PROVIDE UL LISTED, FM APPROVED FIRE/SMOKE ASSEMBLY LISTED FOR PLASTIC PIPE IN ACCORDANCE W/ MANUFACTURER'S REQUIREMENTS.



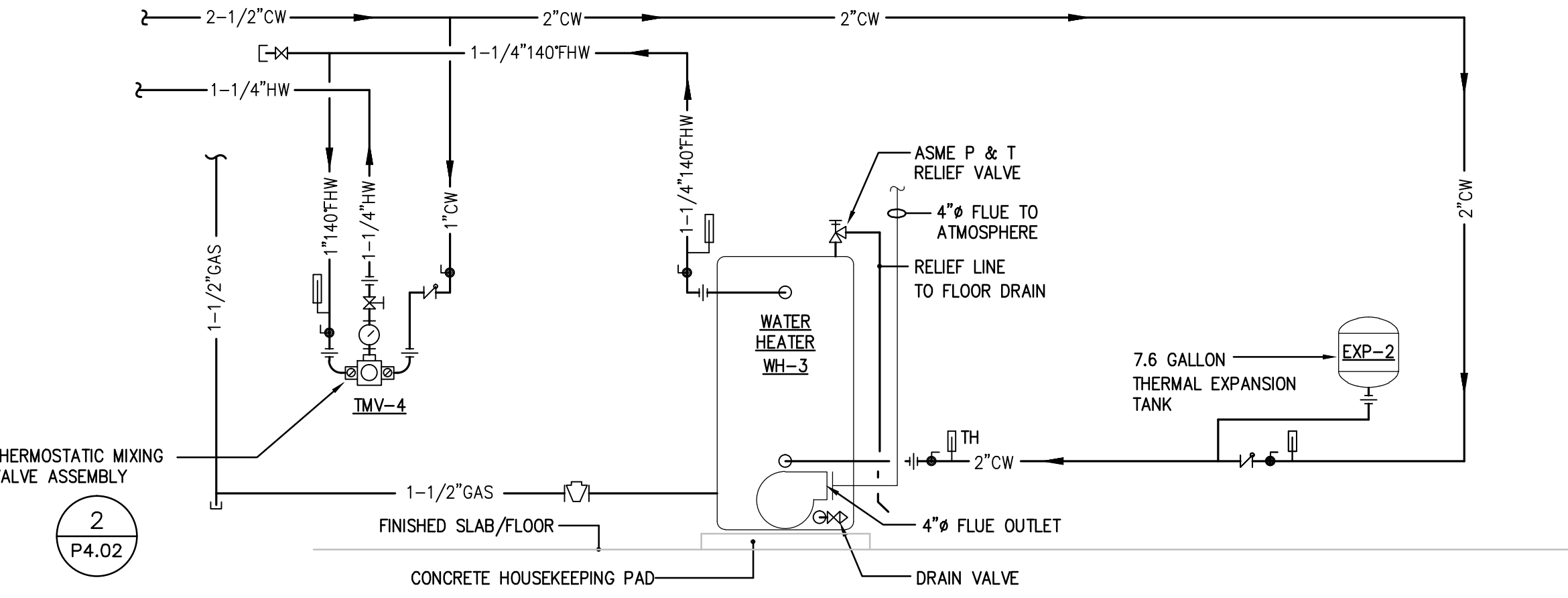
6 TYPICAL SHOP COMPRESSED AIR SYSTEM SCHEMATIC
P4.01 SCALE: N.T.S.



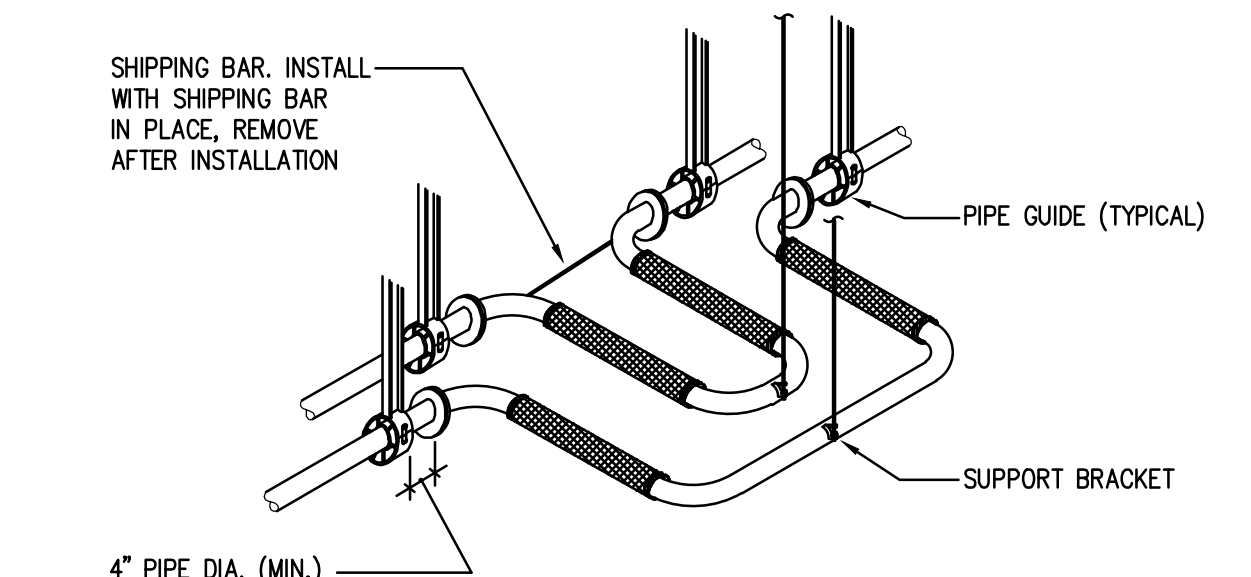
7 DETAIL OF COMPRESSED AIR DROP (CA)
P4.01 SCALE: N.T.S.



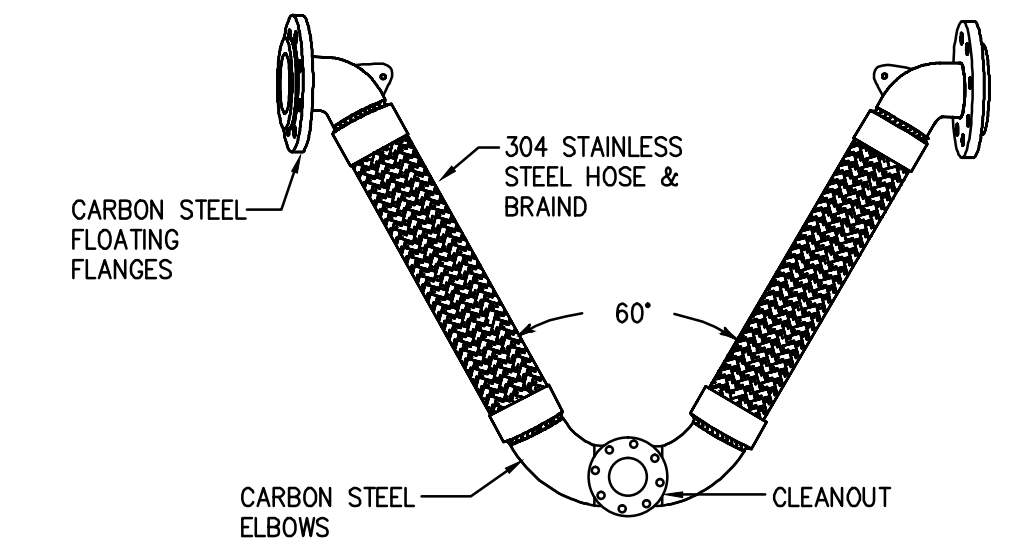
8 AUTOMOTIVE TECHNOLOGY / COLLISION REPAIR & REFINISHING SHOP MECHANICAL COMPRESSED AIR SYSTEM SCHEMATIC
P4.01 SCALE: N.T.S.



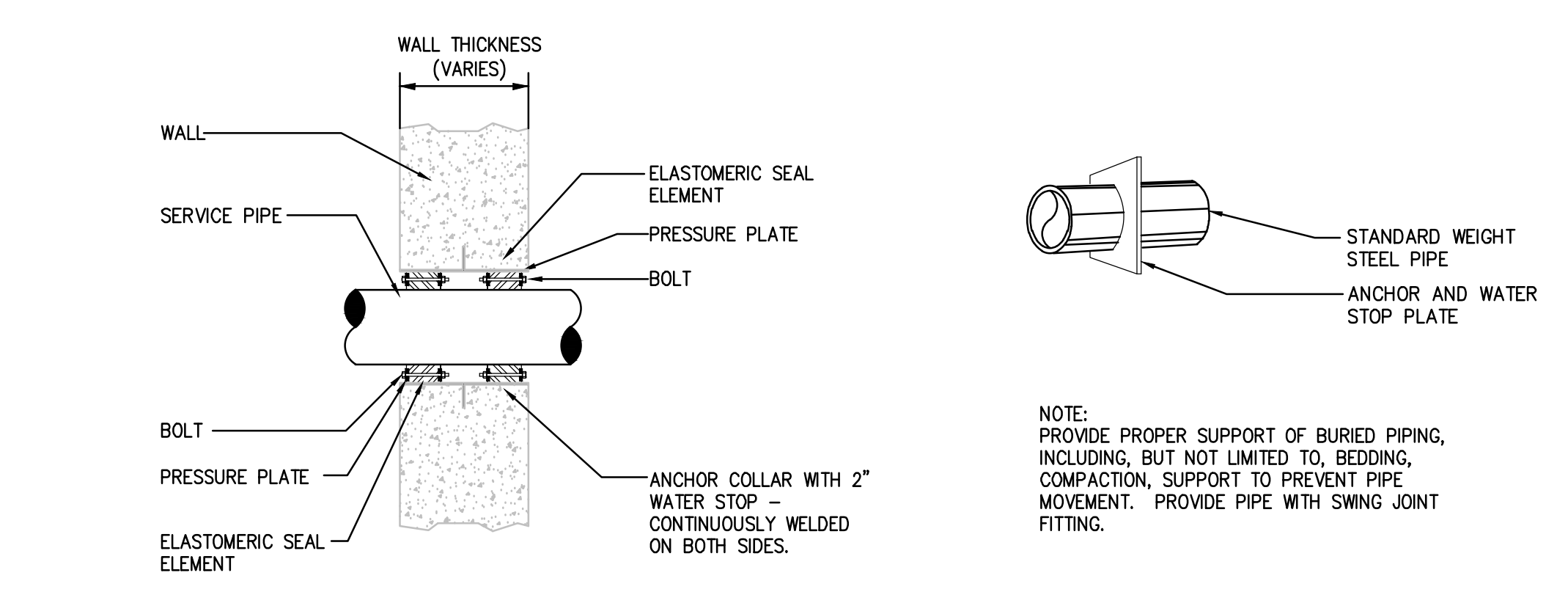
9 WATER HEATER PIPING DIAGRAM - ANNEX BUILDING
P4.01 SCALE: NOT TO SCALE



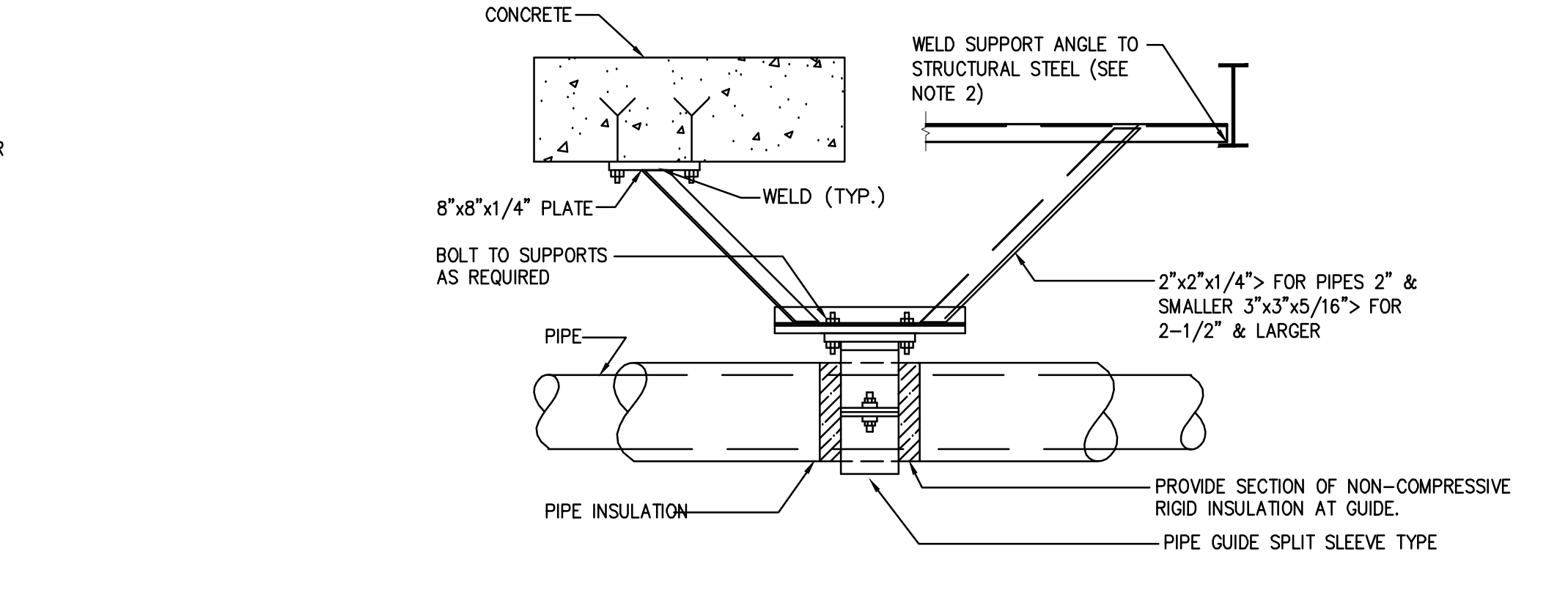
10 FLEXIBLE EXPANSION JOINT DETAIL
P4.01 SCALE: NOT TO SCALE



11 FLEXIBLE EXPANSION JOINT DETAIL FOR STORM, SANITARY & SEWER PIPING
P4.01 SCALE: N.T.S.

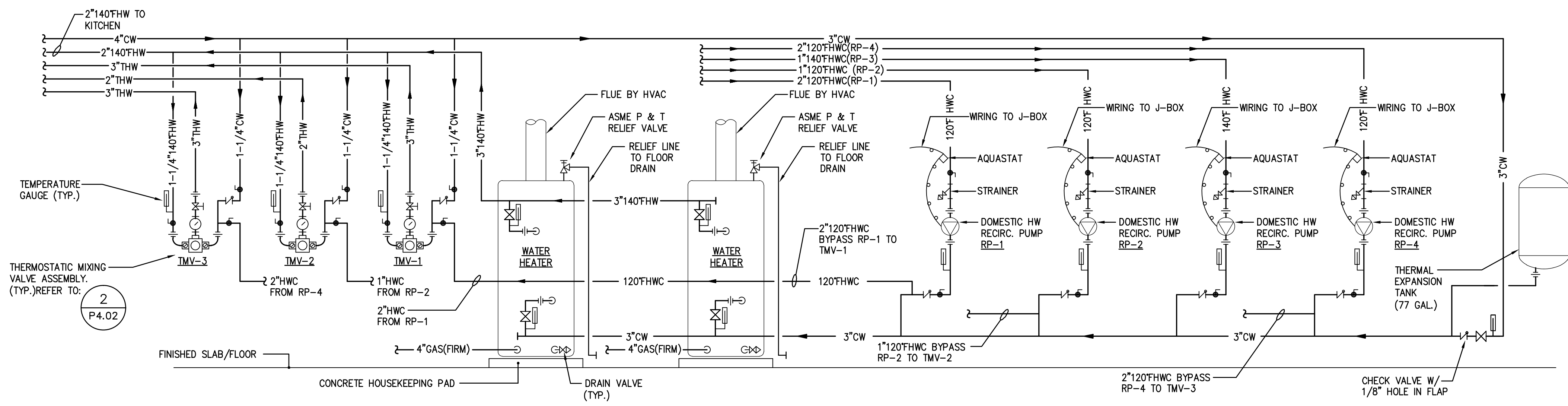


15 PIPE ANCHOR DETAIL STEEL PIPE
P4.01 NOT TO SCALE

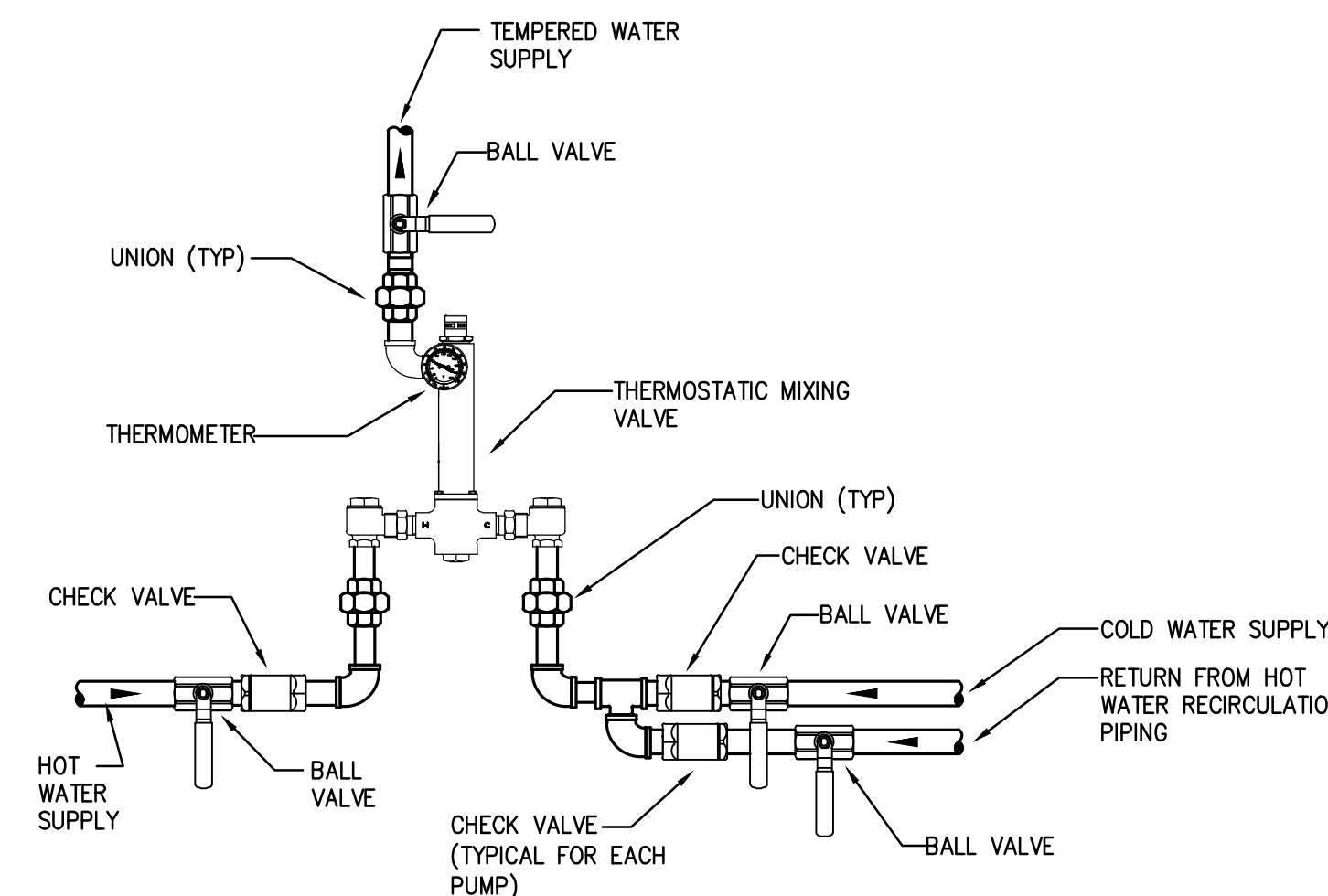


16 PIPE GUIDE DETAIL
P4.01 NOT TO SCALE

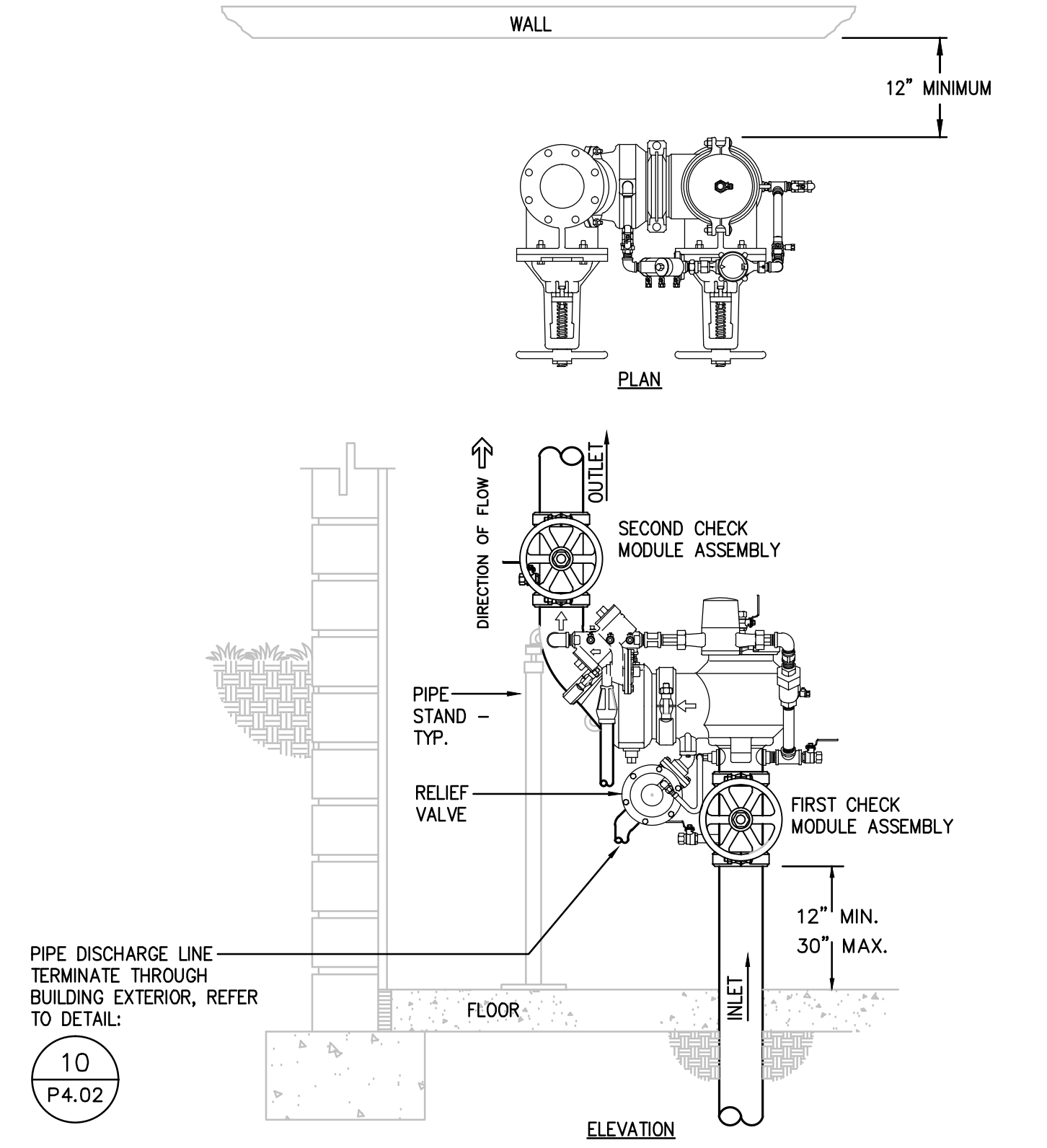
Drawing Title		STATE OF CONNECTICUT	
PLUMBING		DEPARTMENT OF PUBLIC WORKS	
Mark	REVISIONS	Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLE Approved By J.E.K. Drawing No.
CAD No.	0532-PDETAILS	Project No. BI-RT-843	P4.01



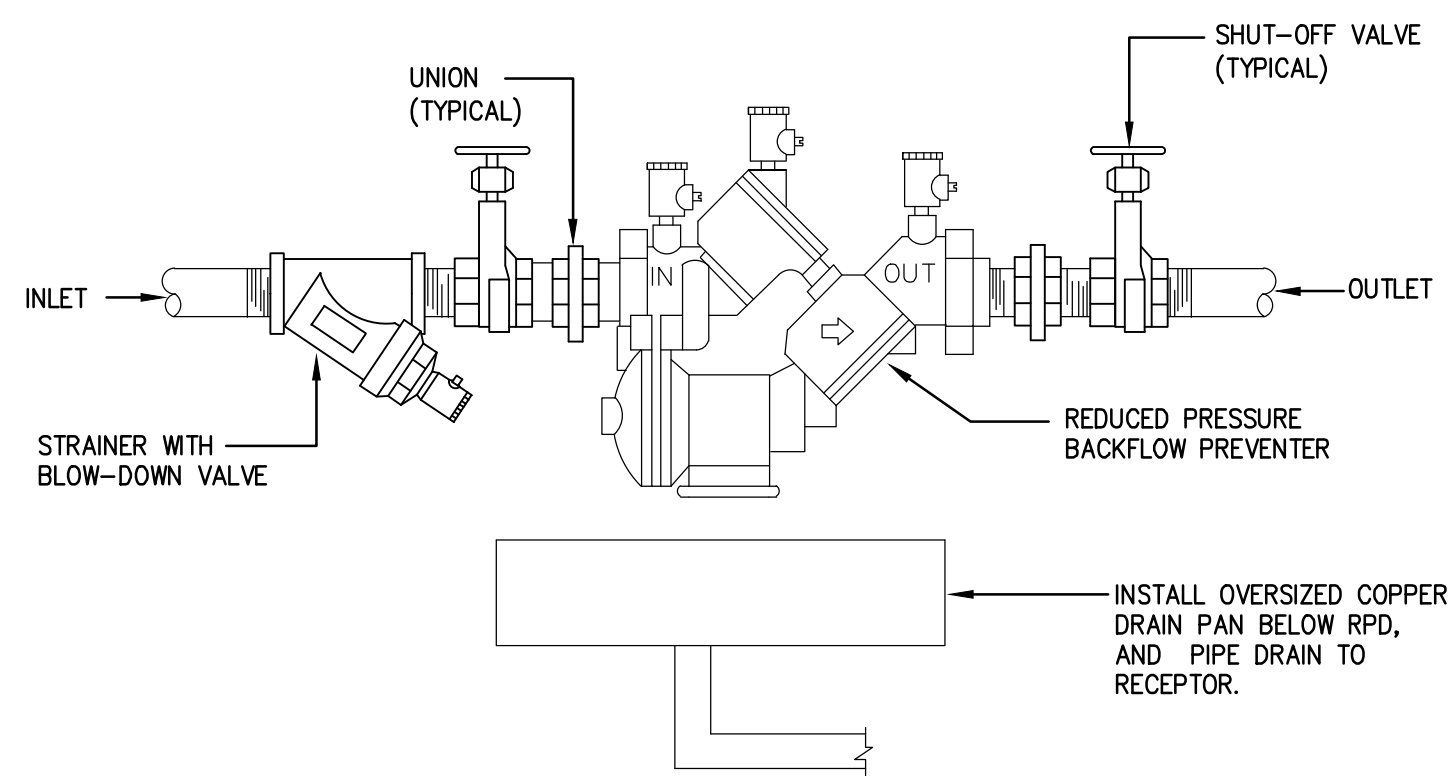
1 GAS FIRED DOMESTIC WATER HEATER SCHEMATIC PIPING DIAGRAM
P4.02 NOT TO SCALE



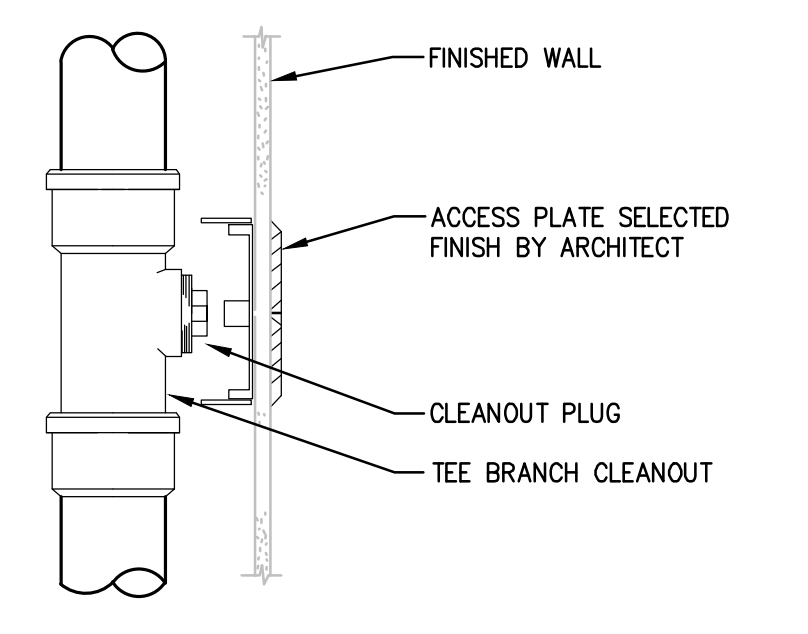
2 MASTER THERMOSTATIC MIXING VALVE SCHEMATIC (TMV - 1,2,3&4)
P4.02 NOT TO SCALE



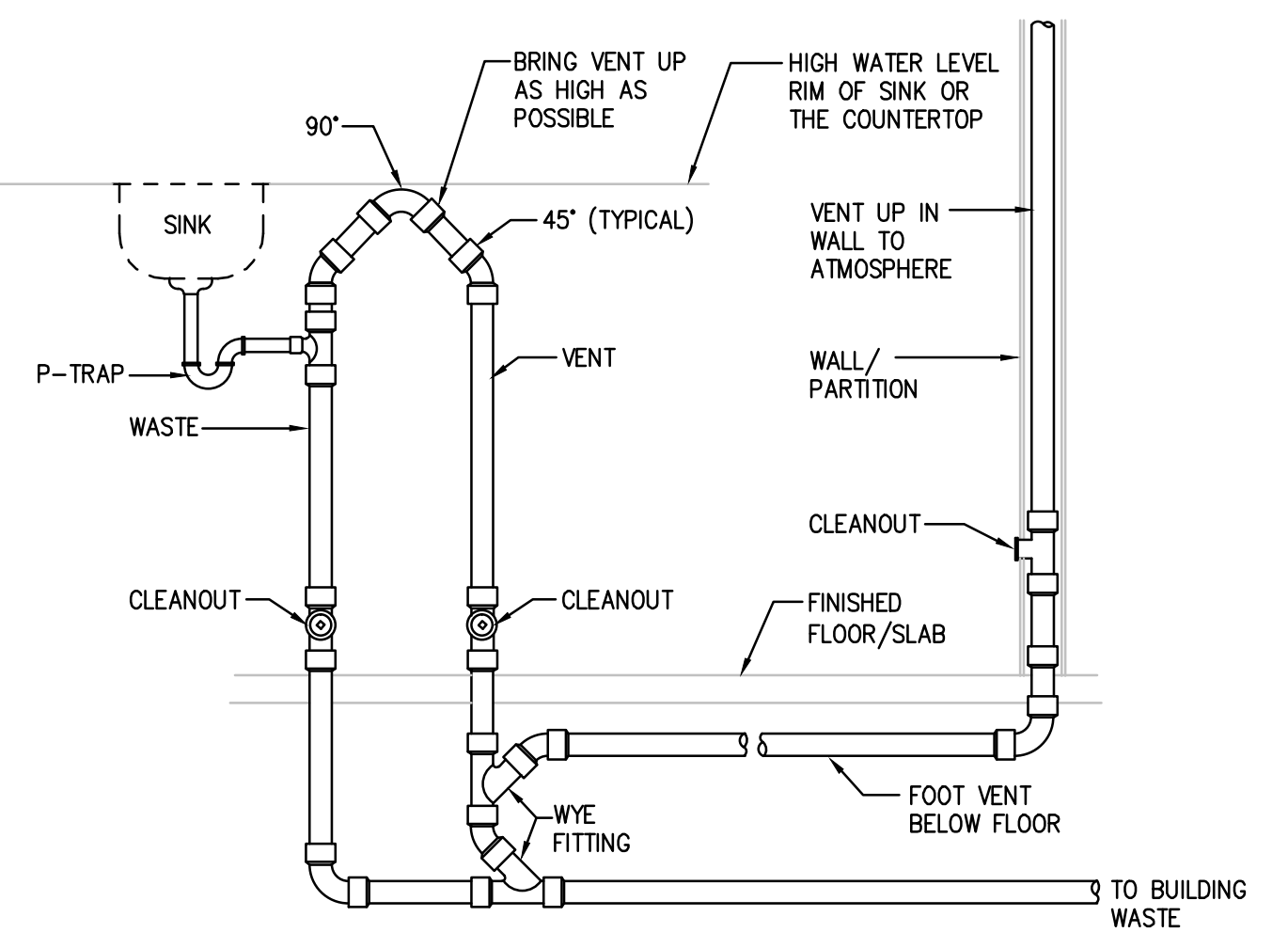
3 4" DOMESTIC WATER SERVICE BACKFLOW PREVENTER DETAIL
P4.02 NOT TO SCALE



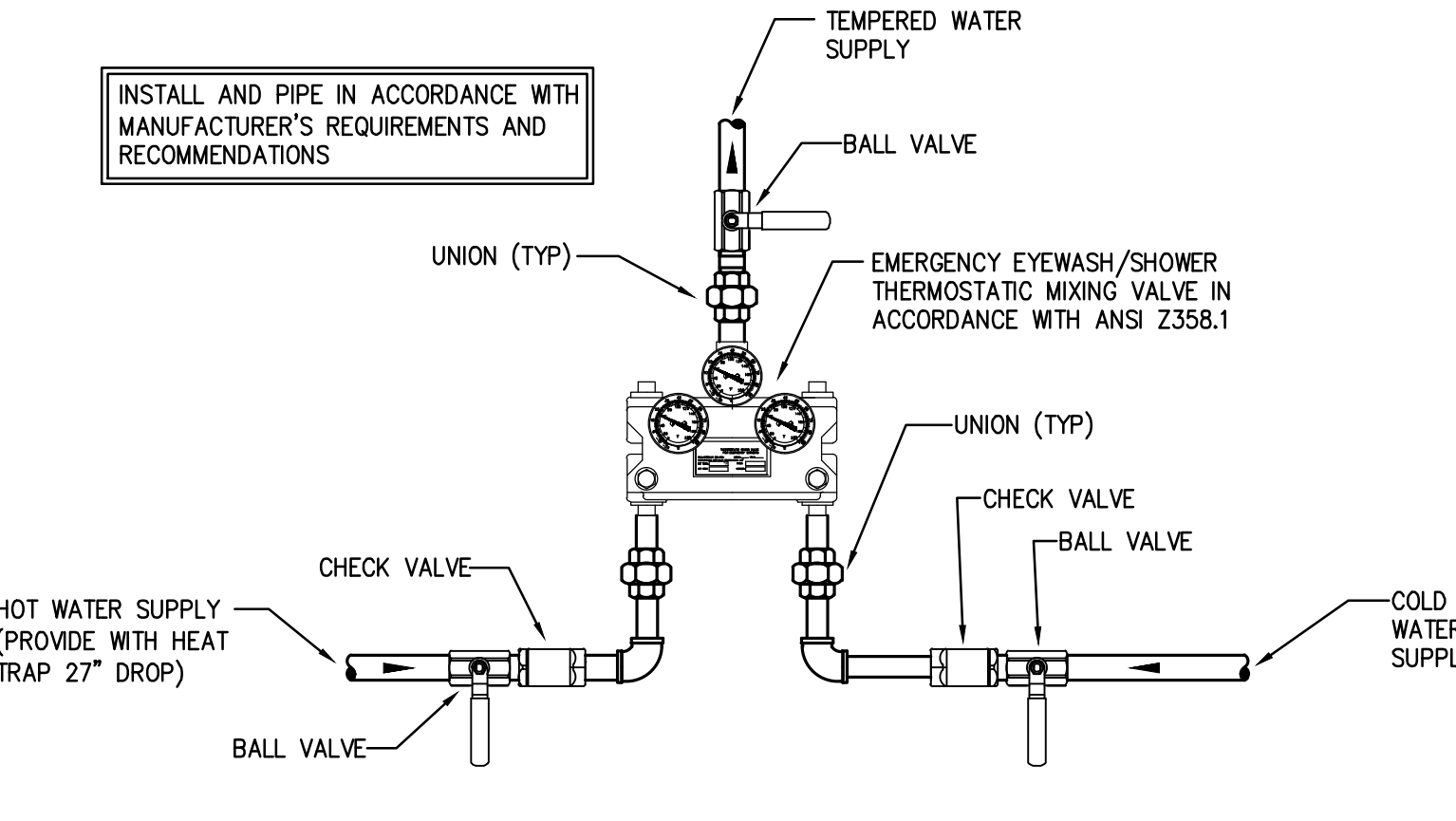
4 BACKFLOW PREVENTER DETAIL (2" AND SMALLER)
P4.02 NOT TO SCALE



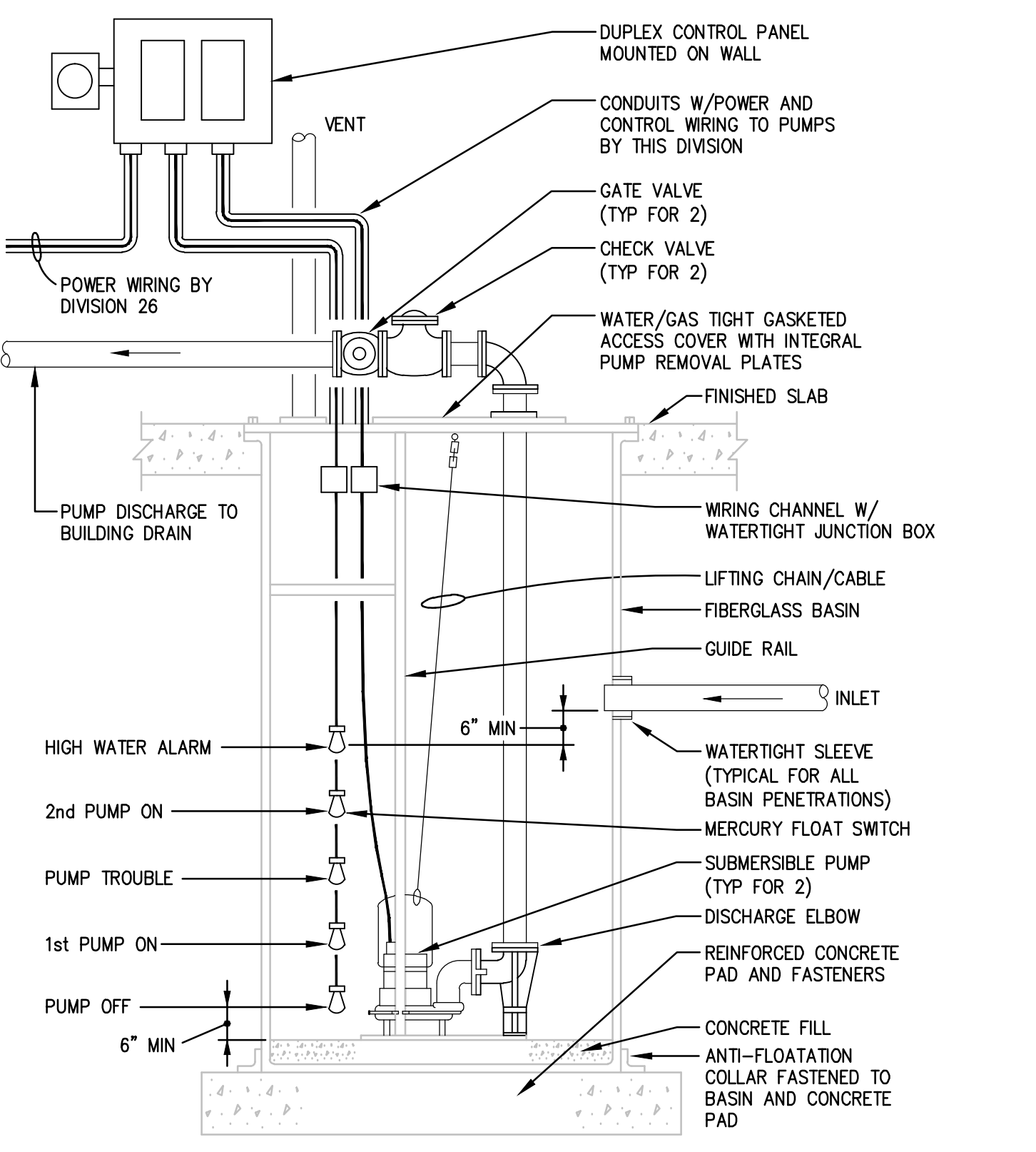
5 WALL CLEANOUT DETAIL
P4.02 NOT TO SCALE



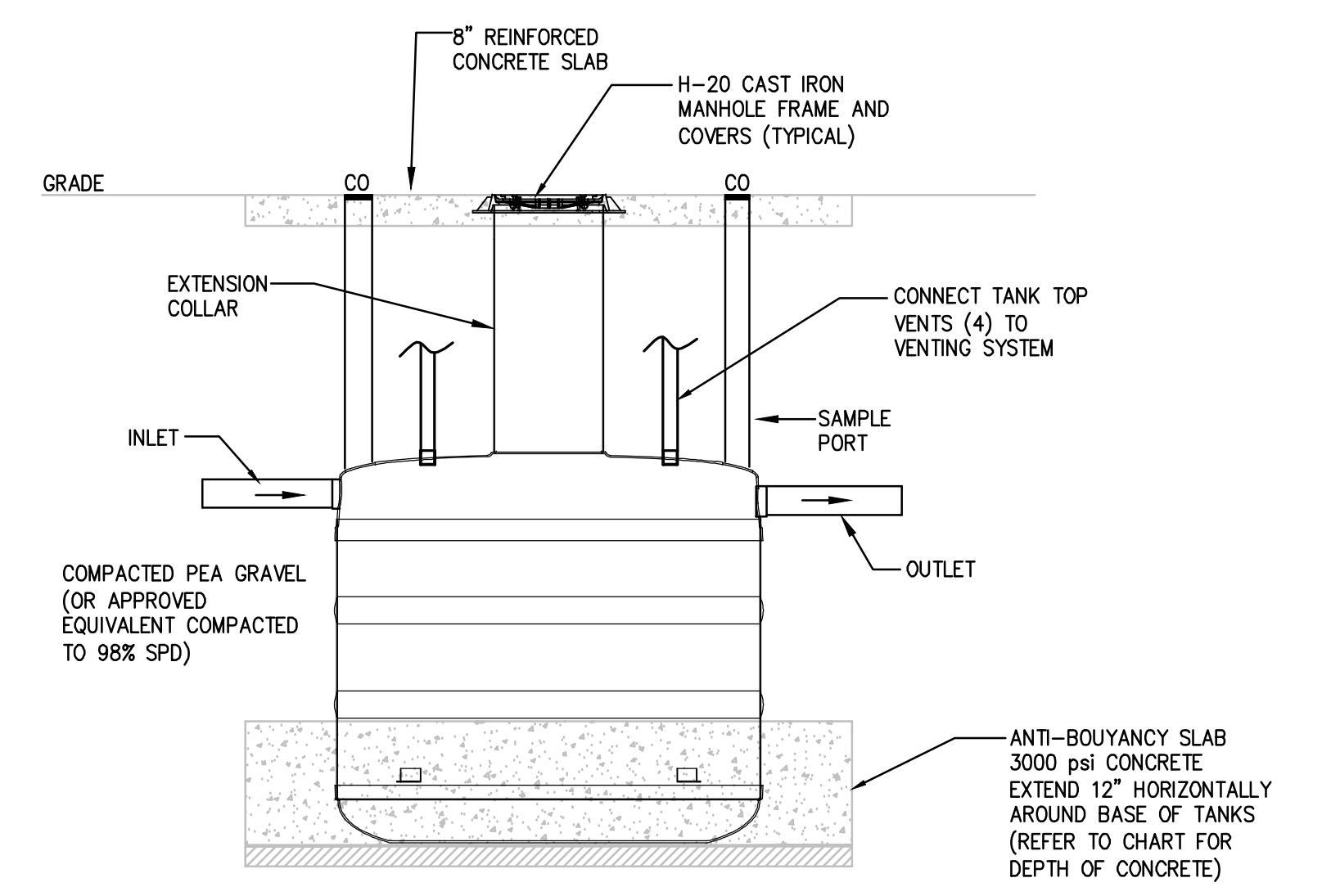
6 ISLAND VENT DETAIL
P4.02 SCALE: N.T.S.



2a EMERGENCY EYEWASH/SHOWER THERMOSTATIC MIXING VALVE
P4.02 SCALE: N.T.S.

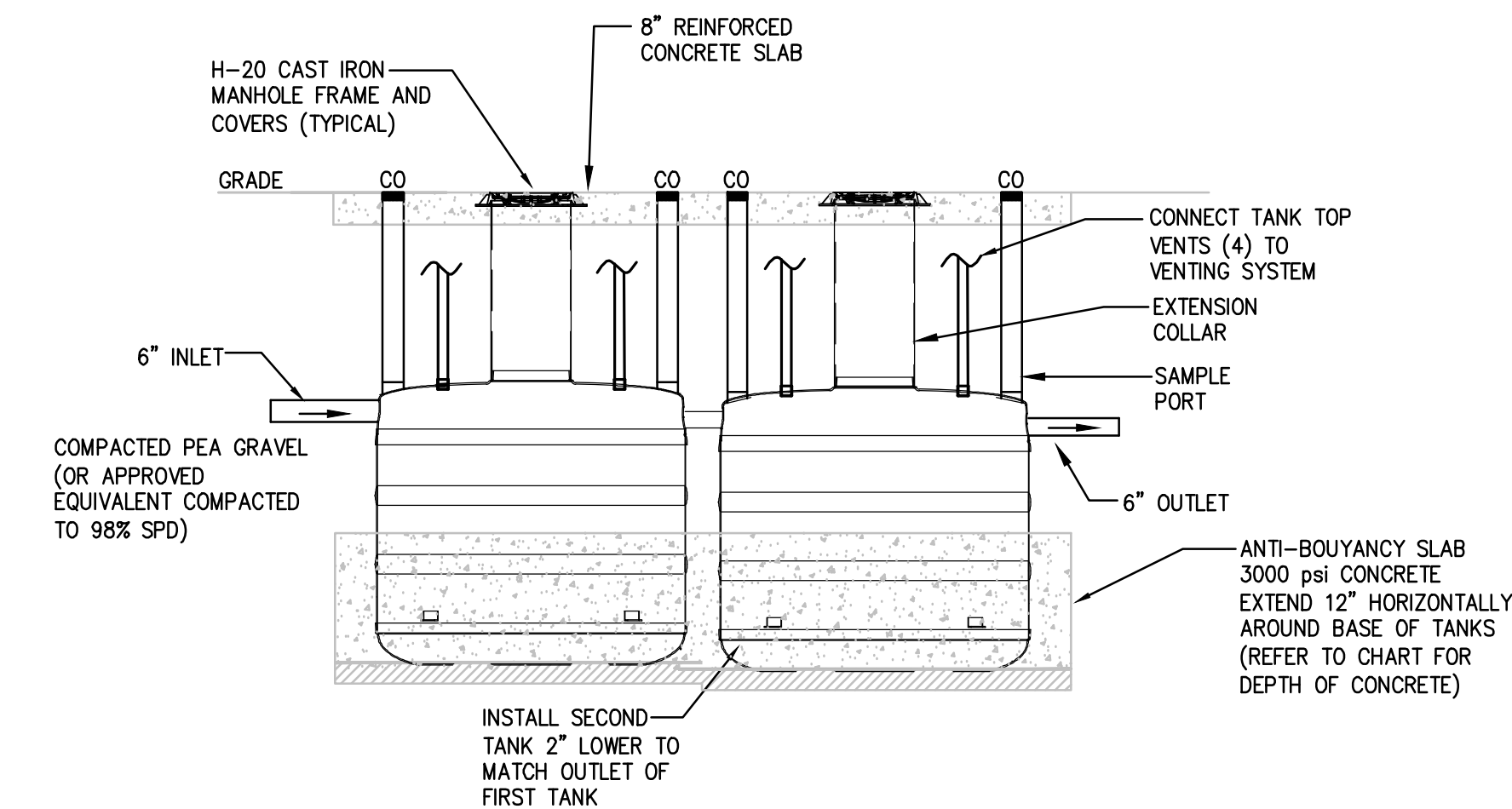


7 DUPLEX SEWAGE EJECTOR
P4.02 SCALE: N.T.S.



PROCEPTOR MODEL	INLET INVERT TO TANK BOTTOM (H) Inches	HEIGHT OF ANTI-BUOYANCY SLAB Inches	WEIGHT OF SINGLE TANK (Lbs)
OMC 200 (OS-3)	36	14	205
OMC 1000 (OS-2)	59	26	650
OMC 1500(1) (OS-1)	85	41	805

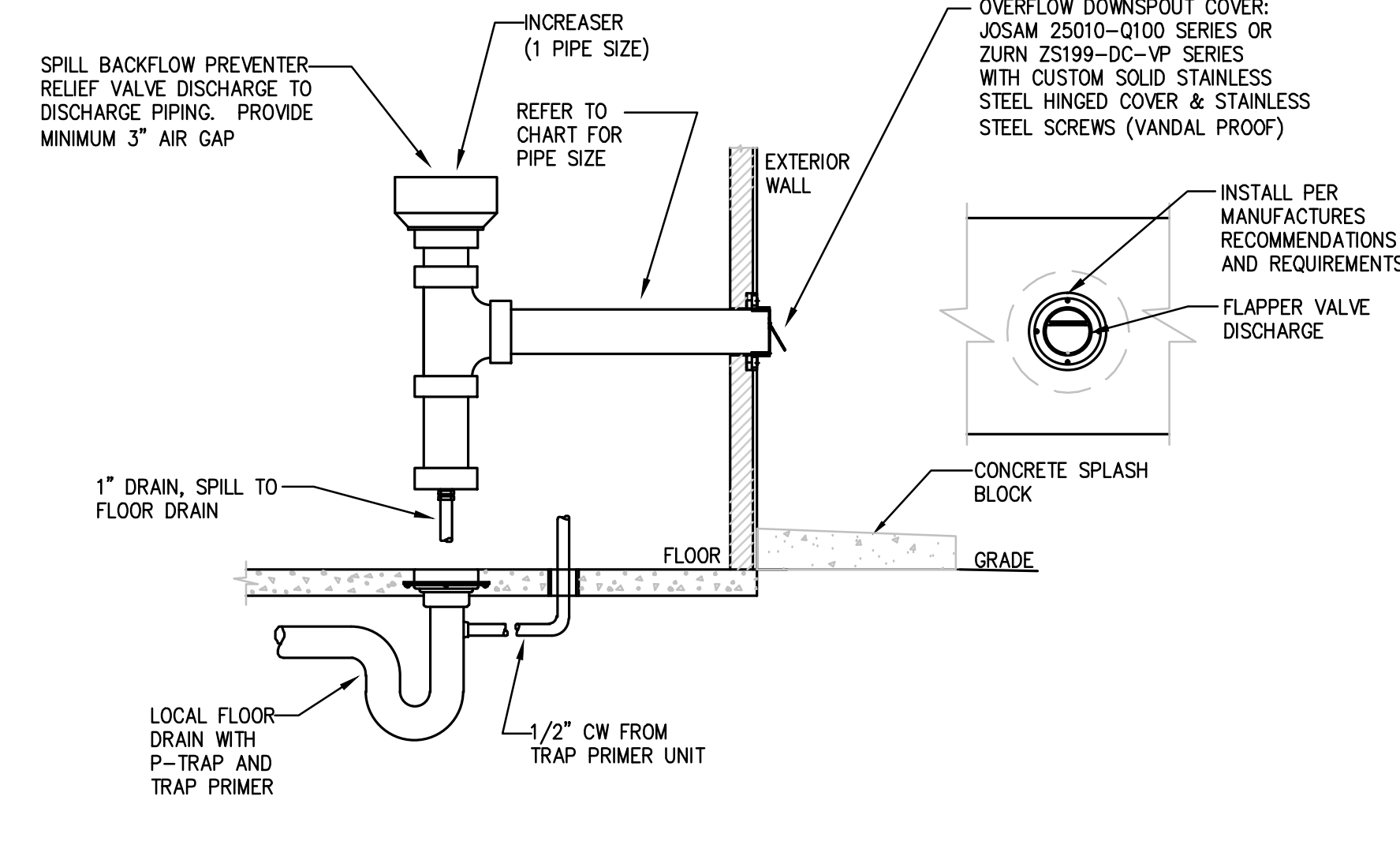
8 EXTERIOR OIL INTERCEPTOR DETAIL (200, 1000, & 1500(1) GALLONS)
P4.02 NOT TO SCALE



PROCEPTOR MODEL	INLET INVERT TO TANK BOTTOM (H) Inches	HEIGHT OF ANTI-BUOYANCY SLAB Inches	WEIGHT OF SINGLE TANK (Lbs)
OMC 3000	85	41	1610

9 EXTERIOR GREASE INTERCEPTOR DETAIL (3000 GALLONS)
P4.02 NOT TO SCALE

BACKFLOW PREVENTER SIZE	MAXIMUM RELIEF VALVE DISCHARGE RATE	DRAIN SIZE
1/4", 3/8", 1/2"	35 GPM	3"
3/4", 1"	140 GPM	6"
1-1/4", 1-1/2", 2"	350 GPM	8"
2-1/2", 3"	500 GPM	8"
4", 6", 8", 10"	800 GPM	10"



10 BACKFLOW PREVENTER OVERFLOW PIPING DETAIL
P4.02 NOT TO SCALE

EXTERIOR OIL INTERCEPTOR NOTES

- FOR GRAVITY APPLICATIONS ONLY.
- FIBERGLASS REINFORCED PLASTICS; PHYSICAL CHARACTERISTICS:
POLYESTER RESIN AND E GLASS.
MAXIMUM BURIAL DEPTH = 6 FT. GRADE TO INVERT OF INLET
FOR DEEPER INSTALLATIONS CALL GREEN TURTLE FOR CUSTOM REINFORCEMENT.
- ALL PROCEPTOR UNITS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTION.
- STANDARD PIPE STUBS ARE SOCKET SDR 35 PVC SEWER MATERIAL (SCHEDULE 40 ADAPTORS ADDED FOR ALL PROJECTS IN USA).
- GMC/OMC 500 - 1500(1) UNITS COME STANDARD WITH 6" INLET AND OUTLET (OTHER CUSTOM SIZES AVAILABLE AT EXTRA CHARGE).
- ADVISE GREEN TURTLE OF INVERT DEPTH, DEEP INSTALLATIONS MAY REQUIRE CUSTOM REINFORCEMENT.
- EXTENSION COLLAR TO BE ORDERED TO MEET FINISHED GRADE, CUT ON SITE FOR FINAL ADJUSTMENT AND CAULK WITH SIKAFLEX BY CONTRACTOR IF WATERTIGHT SEAL REQUIRED.
- COVERS TO BE H20 TRAFFIC LOADING.
- 30 YEAR WARRANTY AGAINST LEAKS, AND STRUCTURAL FAILURE.

EXTERIOR GREASE INTERCEPTOR NOTES

- FOR GRAVITY APPLICATIONS ONLY.
- FIBERGLASS REINFORCED PLASTICS; PHYSICAL CHARACTERISTICS:
POLYESTER RESIN AND E GLASS.
MAXIMUM BURIAL DEPTH = 6 FT. (GRADE TO INVERT OF INLET)
FOR DEEPER INSTALLATIONS CALL GREEN TURTLE FOR CUSTOM REINFORCEMENT.
- ALL PROCEPTOR UNITS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTION.
- STANDARD PIPE STUBS ARE SOCKET SDR 35 PVC SEWER MATERIAL (SCHEDULE 40 ADAPTORS ADDED FOR ALL PROJECTS IN USA).
- GMC/OMC 1,000 - 3,000 UNITS COME STANDARD WITH 6" INLET AND OUTLET (OTHER CUSTOM SIZES AVAILABLE AT EXTRA CHARGE).
- ADVISE GREEN TURTLE OF INVERT DEPTH, DEEP INSTALLATIONS MAY REQUIRE CUSTOM REINFORCEMENT.
- EXTENSION COLLAR TO BE ORDERED TO MEET FINISHED GRADE, CUT ON SITE FOR FINAL ADJUSTMENT AND CAULK WITH SIKAFLEX BY CONTRACTOR IF WATERTIGHT SEAL REQUIRED.
- COVERS TO BE H20 TRAFFIC LOADING.
- 30 YEAR WARRANTY AGAINST LEAKS, AND STRUCTURAL FAILURE.

REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SLE Approved By JEK Drawing No.
CAD No. 0532-PDETAILS		Project No. BI-RT-843	P4.02

GENERAL NOTES

WIRING & RACEWAY:

- 1. THE DRAWINGS SHOW THE GENERAL LAYOUT AND TYPICAL DETAILS. PROVIDE COMPLETE SYSTEMS, DRAWINGS ARE BASED ON THE SPECIFIED EQUIPMENT, RACEWAY LAYOUTS, BOXES, AND WIRING OF THE SYSTEMS ARE SUBJECT TO APPROVED SHOP DRAWINGS.
2. ENSURE THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE. MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND PROVIDE SUCH SIZES AND SHAPES OF EQUIPMENT THAT FINAL INSTALLATION SHALL SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
3. LOCATIONS OF OUTLETS, SWITCHES, APPLIANCES, ETC. AS SHOWN ON ELECTRICAL PLANS ARE APPROXIMATE. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS AND DETAILS, AND WITH JOB CONDITIONS. INSTALL SWITCHES WITH "OFF" POSITION DOWN. INSTALL RECEPTACLES WITH GROUNDING POLE IN THE UP POSITION FOR VERTICAL MOUNTING AND AT RIGHT FOR HORIZONTAL MOUNTING.
4. LOCATE AND INSTALL ELECTRICAL EQUIPMENT, JUNCTION AND PULL BOXES, PANELBOARDS, SWITCHES, CONTROLS, AND OTHER APPARATUS REQUIRING MAINTENANCE, INSPECTION, AND OPERATION SO AS TO BE READILY ACCESSIBLE.

RACEWAY INSTALLATION:

- 1. IN ALL ARCHITECTURALLY FINISHED SPACES, CONDUITS AND CABLES SHALL BE RUN CONCEALED IN HUNG OR FURRED CEILINGS, SLABS, MASONRY, AND PARTITIONS UNLESS OTHERWISE INDICATED. SAW CUTTING AND FINISHED PATCHING SHALL BE REQUIRED IN EXISTING SLABS AND MASONRY WALLS. IN UNFINISHED SPACES, RACEWAYS MAY BE RUN EXPOSED.
2. UNLESS OTHERWISE INDICATED, EXACT ROUTING OF RACEWAYS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT PROJECT REQUIREMENTS AND FIELD CONDITIONS.
3. PROVIDE SEPARATE RACEWAYS, JUNCTION BOXES, PULL BOXES AND WIREWAYS FOR ALL EMERGENCY SYSTEM WIRING.

WIRING INSTALLATION:

- 1. DO NOT USE WIRE SMALLER THAN NO. 12 AWG FOR ANY POWER OR LIGHTING CIRCUIT. USE LARGER SIZES WHERE INDICATED, AS REQUIRED BY CODES, AND AS FOLLOWS:
30 AMPERE CIRCUIT: NO. 10
40 AMPERE CIRCUIT: NO. 8
50 AMPERE CIRCUIT: NO. 6
60 AMPERE CIRCUIT: NO. 4
A. MINIMUM HOMERUN AND BRANCH CIRCUIT WIRING SIZES AND MAXIMUM HOMERUN CONDUIT FILL FOR 120 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

Table with columns: LENGTH, CIRCUIT WIRE SIZE, HOME RUN WIRE SIZE, CONDUIT SIZE (8 WIRES/CONDUIT). Rows for lengths: 0' to 50', 51' to 100', 101' to 200'.

- GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT.
NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN CONDUIT.
B. HOME RUNS AND BRANCH CIRCUIT WIRING FOR 277 VOLT, 20 AMPERE CIRCUITS SHALL BE AS FOLLOWS:

Table with columns: LENGTH, CIRCUIT WIRE SIZE, HOME RUN WIRE SIZE, CONDUIT SIZE (8 WIRES/CONDUIT). Rows for lengths: 0' to 100', 100' to 200'.

- GREATER THAN 200' - REQUEST DIRECTION FROM ARCHITECT.
NOTE: PROVIDE DERATING PER CODE WHEN INSTALLING MORE THAN 3 CURRENT CARRYING CONDUCTORS IN CONDUIT.
2. DO NOT USE WIRE SMALLER THAN NO. 14 AWG FOR CONTROL CIRCUITS UNLESS OTHERWISE RECOMMENDED BY THE EQUIPMENT OR SYSTEM MANUFACTURER ON WIRING SHOP DRAWINGS, AND SO APPROVED BY THE ARCHITECT.
3. WHERE GREATER THAN THREE (3) CURRENT-CARRYING CONDUCTORS ARE INSTALLED IN ANY ONE CONDUIT OR CABLE, CONDUCTORS MUST BE DERATED AND SIZES INCREASED, IF NEEDED, TO ACCOMMODATE CONDUCTOR DERATING AS REQUIRED BY NEC ARTICLE 310, NOTE 8(A) OF AMPACITY TABLES FOR 0-2000 VOLT CONDUCTORS.
4. CONDUCTORS SHALL BE COMPLETELY INSTALLED AND CONNECTED, PROVIDE ALL TERMINALS, LUGS, AND CONNECTORS TO SUIT THE APPLICATION, AND IN COMPLIANCE WITH EQUIPMENT MANUFACTURERS' RECOMMENDATIONS.
5. BRANCH CIRCUIT WIRING FOR LIGHTING AND OTHER SINGLE PHASE APPLICATIONS SHALL BE MULTI-WIRE, UTILIZING COMMON NEUTRALS, EXCEPT COMPUTER AND WORKSTATION CIRCUITS AND DIMMER CIRCUITS SHALL HAVE SEPARATE NEUTRALS, AND AS OTHERWISE INDICATED.

- 6. UNDER NO CIRCUMSTANCES SHALL ANY SWITCH OR CIRCUIT BREAKER BREAK A NEUTRAL CONDUCTOR.
7. THE CIRCUIT NUMBERS INDICATED ON THE DRAWINGS ARE INTENDED AS A GUIDE FOR PROPER CONNECTION OF CIRCUITS AT PANELS. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE FINAL CIRCUITING WORK FULFILLS THE FOLLOWING CONDITIONS:
8. ALL BRANCH CIRCUIT WIRING FOR "EMERGENCY" POWER/LIGHTING SHALL BE RUN INDEPENDENT FROM ALL "NORMAL" POWER/LIGHTING BRANCH WIRING.
A. LOADS ON PANEL BUSES SHALL BE PHASE-BALANCED AS EVENLY AS POSSIBLE.

GROUNDING INSTALLATION:

- 1. EQUIPMENT GROUNDING
A. INSTALL AN INSULATED GROUND CONDUCTOR, RUN IN THE RACEWAY WITH THE PHASE CONDUCTORS, FOR EACH FEEDER SERVING: PANELBOARDS, LIGHTING DIMMER BOARDS, MOTOR CONTROL CENTERS, MOTORS, EQUIPMENT AND APPLIANCES UNLESS OTHERWISE NOTED.
B. INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL CONDUIT RUNS CONTAINING SECTIONS OF FLEXIBLE CONDUIT UNLESS OTHERWISE NOTED.
C. INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL BRANCH CIRCUIT RACEWAYS OR CABLES UNLESS OTHERWISE NOTED.
2. TELECOMMUNICATIONS CLOSET GROUNDING
A. PROVIDE A #4 AWG GROUND CONDUCTOR RISER IN 1" EMT CONDUIT TO EACH TELECOMMUNICATIONS CLOSET GROUNDING BUSBAR (TGB) FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB), AND TO MAIN SERVICE GROUNDING ELECTRODE SYSTEM.
B. CONNECT THE GROUND RISER TO TMGB AND TGB'S PER TIA/EIA STANDARD 607 - 1994.
C. PROVIDE ADDITIONAL #4 AWG GROUND CABLE CONNECTIONS FROM EACH TMGB AND TGB TO THE CLOSEST BUILDING STEEL AND TO THE GROUND BUS IN THE ELECTRIC PANEL FEEDING THE OUTLETS AND EQUIPMENT IN THE ASSOCIATED TELECOMMUNICATIONS ROOM/CLOSET.
3. GROUND EACH TELECOMMUNICATIONS, FIRE ALARM, SECURITY, AND BMS SYSTEM EQUIPMENT AND CONTROL PANEL WITHIN EACH TELECOMMUNICATIONS ROOM/CLOSET TO THE ASSOCIATED CLOSET TMGB OR TGB WITH A #4 AWG CONDUCTOR PER TIA/EIA STANDARD 607 - 1994.

THE DRAWINGS AND SPECIFICATIONS ARE DIVIDED INTO SECTIONS TO MEET THE NEEDS OF THE ARCHITECT, THE ENGINEERS, AND THE DESIGN CONSULTANTS. THEY ARE NOT PREPARED AS INSTRUCTIONS TO THE CONTRACTOR FOR HOW TO BUY OUT OR SUBCONTRACT THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS, REGARDLESS OF WHERE IT IS SHOWN. FOR EXAMPLE, ELECTRICAL WORK IS SHOWN ON FP DRAWINGS AS WELL AS ON M DRAWINGS AND E DRAWINGS. MISCELLANEOUS METALS AND STRUCTURAL STEEL ARE SHOWN ON A DRAWINGS AS WELL AS ON S DRAWINGS. STRUCTURAL SUPPORTS ARE REQUIRED BY THE FP DRAWINGS, TO AVOID OMITTING ANY COMPONENT OF THE PROJECT, REFER TO ALL THE CONTRACT DOCUMENTS IN THEIR ENTIRETY.

ELECTRICAL SYMBOLS

Table of electrical symbols with columns: Symbol, Description. Includes symbols for fluorescent light fixtures, ceiling mounted lighting, emergency generator system components, fire alarm systems, etc.

ABBREVIATIONS

Table of abbreviations with columns: Abbreviation, Description. Includes WP (Weather Proof), U.O.N. (Unless Otherwise Noted), AFF (Above Finished Floor), etc.

ELECTRICAL DRAWING LIST

Table of electrical drawing list with columns: Drawing Number, Drawing Description, Drawing Number, Drawing Description. Lists drawings from E0.01 to E1.15, including floor plans, riser diagrams, and details.

GENERAL NOTES

- 1. CONTRACTOR SHALL INSTALL ALL SPEAKER/STROBES AND STROBE ONLY DEVICES SO THAT THE ENTIRE STROBE IS MOUNTED BETWEEN 80"-96" AFF.
2. CONTRACTOR SHALL PROVIDE INFRASTRUCTURE FOR ALL SECURITY DEVICES INDICATED INCLUDING BUT NOT LIMITED TO: BACK BOXES, CONDUIT TO ACCESSIBLE CORRIDOR CEILINGS AND PULL STRINGS. ALL WORK SHALL BE COORDINATED WITH ADT AND HARDWARE VENDOR.
3. CONTRACTOR SHALL FIRE SEAL ALL EXISTING PENETRATIONS IN AREAS THAT ARE TO REMAIN OR AFFECTED BY THE RENOVATIONS. VERIFY THE EXTENT IN FIELD.

GENERAL PHASING NOTES

- 1. PRIOR TO THE DISCONNECTION AND REMOVAL OR RELOCATION OF ANY SYSTEM OR SUBSYSTEM, CONTRACTOR SHALL REVIEW AND VERIFY AREAS SERVED BY THE RESPECTIVE SYSTEM TO DETERMINE IF OTHER PARTS OF AREAS TO REMAIN OR TO BE CONSTRUCTED AT DIFFERENT PHASES SHALL NOT BE COMPROMISED. THE INTEGRITY OF THE SYSTEM AND AREA SHALL BE MAINTAINED THROUGHOUT AND AT THE COMPLETION OF THE PROJECT.
2. CONTRACTOR SHALL VERIFY THAT EXISTING EQUIPMENT IS IN PROPER WORKING ORDER PRIOR TO REMOVAL, RELOCATION OR REUSE. CONTRACTOR SHALL SUBMIT ANY DEFECTS NOTED TO CONSTRUCTION MANAGER. OTHERWISE IT IS ASSUMED THAT ALL EQUIPMENT TO BE REUSED IS IN COMPLETE WORKING ORDER AND NO CLAIMS FOR REPAIR AFTER REUSE OR REINSTALLATION WILL BE ACCEPTED.

Project metadata table including Drawing Title (NOTES & SYMBOLS - ELECTRICAL), Revisions (REVISD: 09/09/2011), Drawing Prepared By (Tao Soo Kim Partners, LLC), Date (1/28/2011), Project (H.C. Wilcox Technical High School), and Drawing No. (E0.01).

LIGHT FIXTURE NOTES

- 1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES.
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING TYPES AND/OR COORDINATE ALL FIXTURE TRIMS PRIOR TO PURCHASE OF FIXTURES.
3. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE AND SUITABLE FOR LAMPS SERVED. ALL FIXTURES SHALL BE PROVIDED WITH ONE BALLAST UNLESS OTHERWISE INDICATED.
4. ALL COMPACT FLUORESCENT FIXTURE SHALL BE PROVIDED WITH HIGH POWER FACTOR BALLASTS.
5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING HARDWARE AND LAMPS.
6. ALL NEW LIGHT FIXTURES SHALL MATCH THE APPEARANCE, VOLTAGE, LAMP TYPE AND COLOR OF THE EXISTING FIXTURES.
7. ALL METAL HALIDE LAMPS SHALL BE PULSE START TYPE WITH A MATCHING ELECTRONIC BALLAST

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, LAMP, VOLTAGE, MOUNTING, DESCRIPTION, TYPE, LAMP, VOLTAGE, MOUNTING, DESCRIPTION. Contains schedule items A through H5 with detailed fixture specifications.

09/23/11

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS. Drawing Title: LIGHT FIXTURE SCHEDULE - ELECTRICAL. REVISIONS table and project information including drawing number 0532-EO.00 (COVER SHEET).

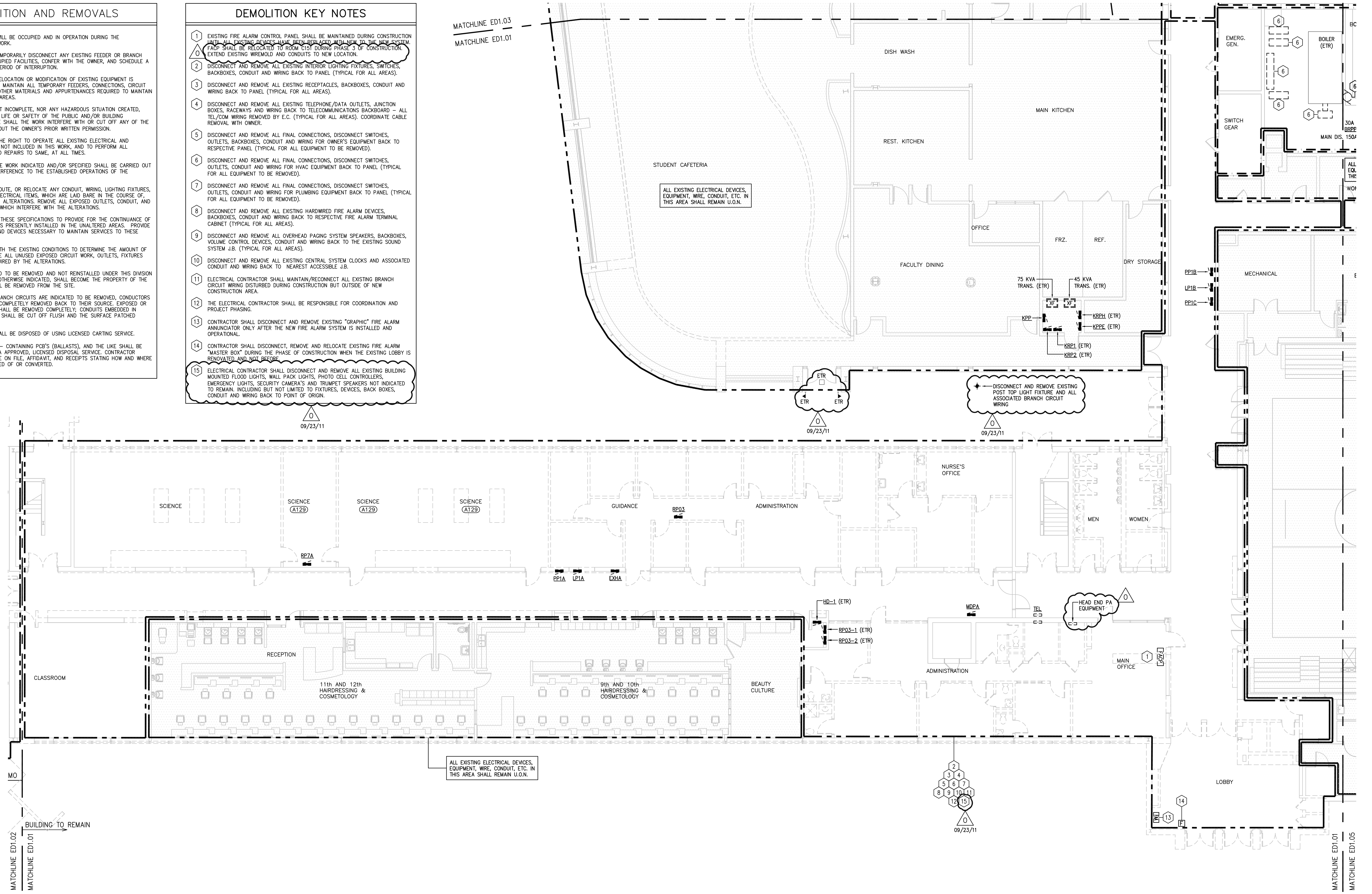
DEMOLITION AND REMOVALS

- THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
- WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
- WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
- NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
- THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
- IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
- REMOVE, ABANDON, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
- IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
- COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
- ALL MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF THE WORK, UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.
- WHERE FEEDERS AND BRANCH CIRCUITS ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY; CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
- REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE.
- HAZARDOUS MATERIALS - CONTAINING PCB'S (BALLASTS), AND THE LIKE SHALL BE DISPOSED OF BY AN EPA APPROVED, LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.

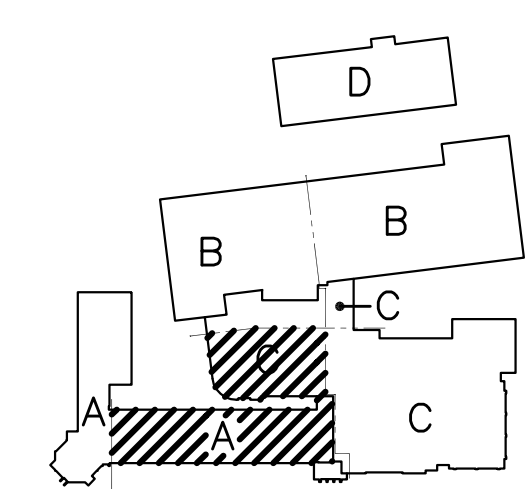
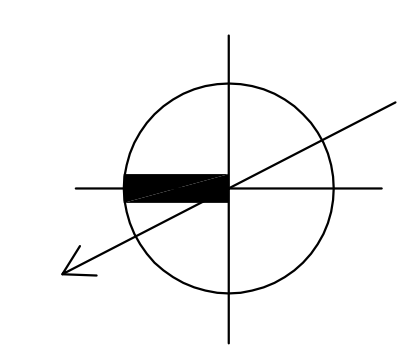
DEMOLITION KEY NOTES

- EXISTING FIRE ALARM CONTROL PANEL SHALL BE MAINTAINED DURING CONSTRUCTION AND ALL EXISTING DEVICES SHALL BE RELOCATED AND WIRING TO THE NEW SYSTEM. FACE SHALL BE RELOCATED TO ROOM C151 DURING PHASE 3 OF CONSTRUCTION. EXTEND EXISTING WIREMOLD AND CONDUITS TO NEW LOCATION.
- DISCONNECT AND REMOVE ALL EXISTING INTERIOR LIGHTING FIXTURES, SWITCHES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
- DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
- DISCONNECT AND REMOVE ALL EXISTING TELEPHONE/DATA OUTLETS, JUNCTION BOXES, RACEWAYS AND WIRING BACK TO TELECOMMUNICATIONS BACKBOARD - ALL TEL/COM WIRING REMOVED BY E.C. (TYPICAL FOR ALL AREAS). COORDINATE CABLE REMOVAL WITH OWNER.
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- ELECTRICAL CONTRACTOR SHALL MAINTAIN/RECONNECT ALL EXISTING BRANCH CIRCUIT WIRING DISTURBED DURING CONSTRUCTION BUT OUTSIDE OF NEW CONSTRUCTION AREA.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROJECT PHASING.
- CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING "GRAPHIC" FIRE ALARM ANNUNCIATOR ONLY AFTER THE NEW FIRE ALARM SYSTEM IS INSTALLED AND OPERATIONAL.
- CONTRACTOR SHALL DISCONNECT, REMOVE AND RELOCATE EXISTING FIRE ALARM "MASTER BOX" DURING THE PHASE OF CONSTRUCTION WHEN THE EXISTING LOBBY IS RENOVATED AND NOT BEFORE.
- ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING BUILDING MOUNTED FLOOD LIGHTS, WALL PACK LIGHTS, PHOTO CELL CONTROLLERS, EMERGENCY LIGHTS, SECURITY CAMERA'S AND TRUMPET SPEAKERS NOT INDICATED TO REMAIN, INCLUDING BUT NOT LIMITED TO FIXTURES, DEVICES, BACK BOXES, CONDUIT AND WIRING BACK TO POINT OF ORIGIN.

MATCHLINE ED1.03
MATCHLINE ED1.01

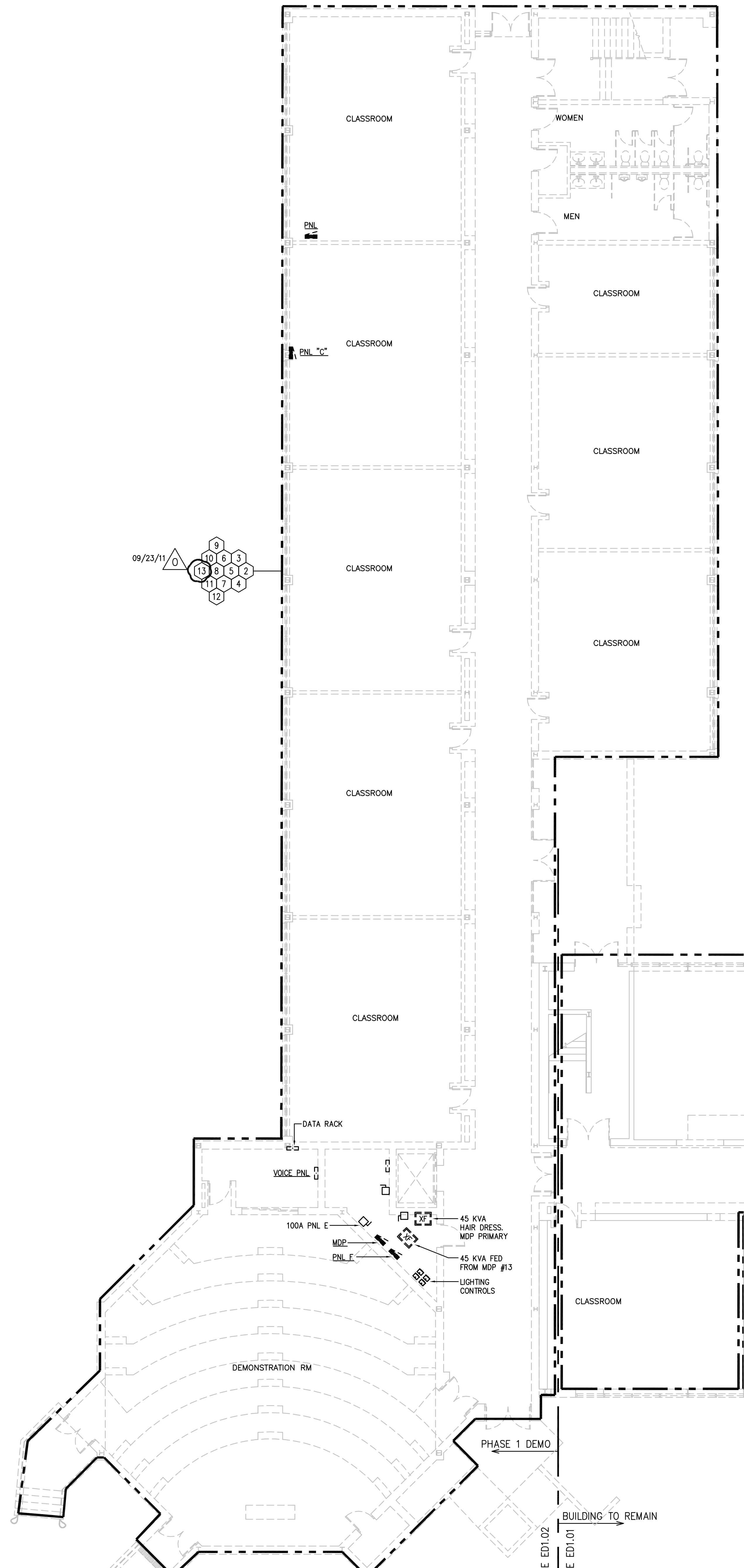


1 FIRST FLOOR DEMOLITION PLAN - AREA "A" & "C"
ED1.01 1/8"=1'-0"



REFER TO DRAWING ED.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "A" & "C" - ELECTRICAL			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
△	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011
		Project	Scale
		H.C. Wilcox Technical High School	1/8"=1'-0"
		Meriden, CT	Drawn By
			CMV
			Approved By
			RR
			Drawing No.
			ED1.01
CAD No.		Project No.	
0532-E-PLAN-DEMO-1		81-RT-843	



1 FIRST FLOOR DEMOLITION PLAN - AREA "A"
ED1.02/1/8"=1'-0"

DEMOLITION AND REMOVALS

1. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
3. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
4. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
5. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
6. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
7. REMOVE, ABANDON, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
8. IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
9. COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
10. ALL MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF THE WORK UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.
11. WHERE FEEDERS AND BRANCH CIRCUITS ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY; CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
12. REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE.
13. HAZARDOUS MATERIALS - CONTAINING PCB'S (BALLASTS), AND THE LIKE SHALL BE DISPOSED OF BY AN EPA APPROVED, LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.
14. E.C. SHALL EMPTY ANY DEENERGIZED BRANCH CIRCUITS IN AREA 1ST FLOOR AS A RESULT OF DEENERGIZING MDP. E.C. SHALL TEMPORARILY RECONNECT THESE CIRCUITS TO 2ND FLOOR BRANCH CIRCUIT PANELBOARDS LP07 OR RP07 AS APPLICABLE.

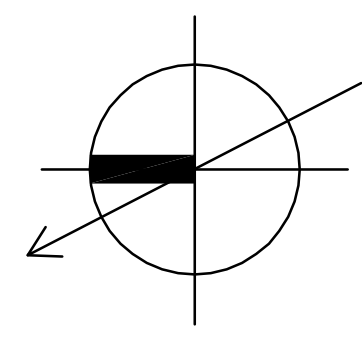
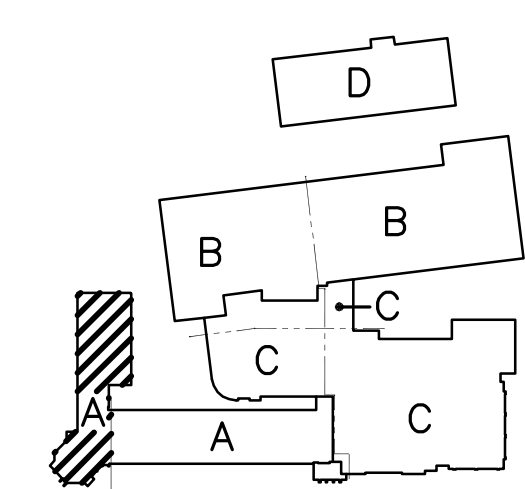
DEMOLITION KEY NOTES

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09/23/11

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN AREA "A" - ELECTRICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011
		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Drawn By CMV	Approved By RR
		Project No. B-RT-843	Drawing No. ED1.02
CAD No. 0532-E-PLAN-DEMO-1			



DEMOLITION AND REMOVALS

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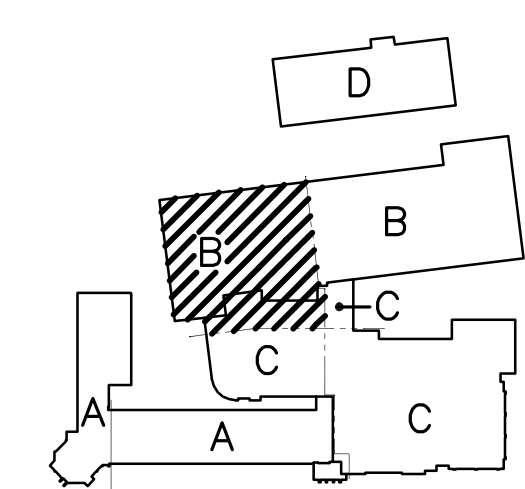
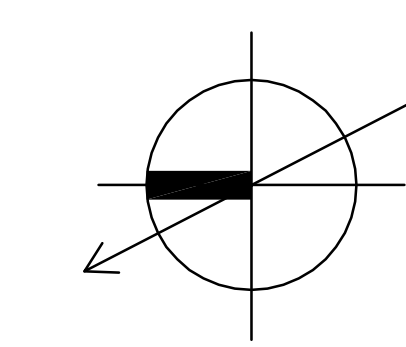
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1 FIRST FLOOR DEMOLITION PLAN - AREA "B" & "C"
ED1.03 1/8"=1'-0"

REFER TO DRAWING ED.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "B" & "C" - ELECTRICAL			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	CMV
		Meriden, CT	Approved By
			RR
			Drawing No.
			ED1.03
CAD No.	Project No.		
0532-E-PLAN-DEMO-1	BI-RT-843		



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1 FIRST FLOOR DEMOLITION PLAN - AREA "B" & "C"
ED1.04 1/8"=1'-0"

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

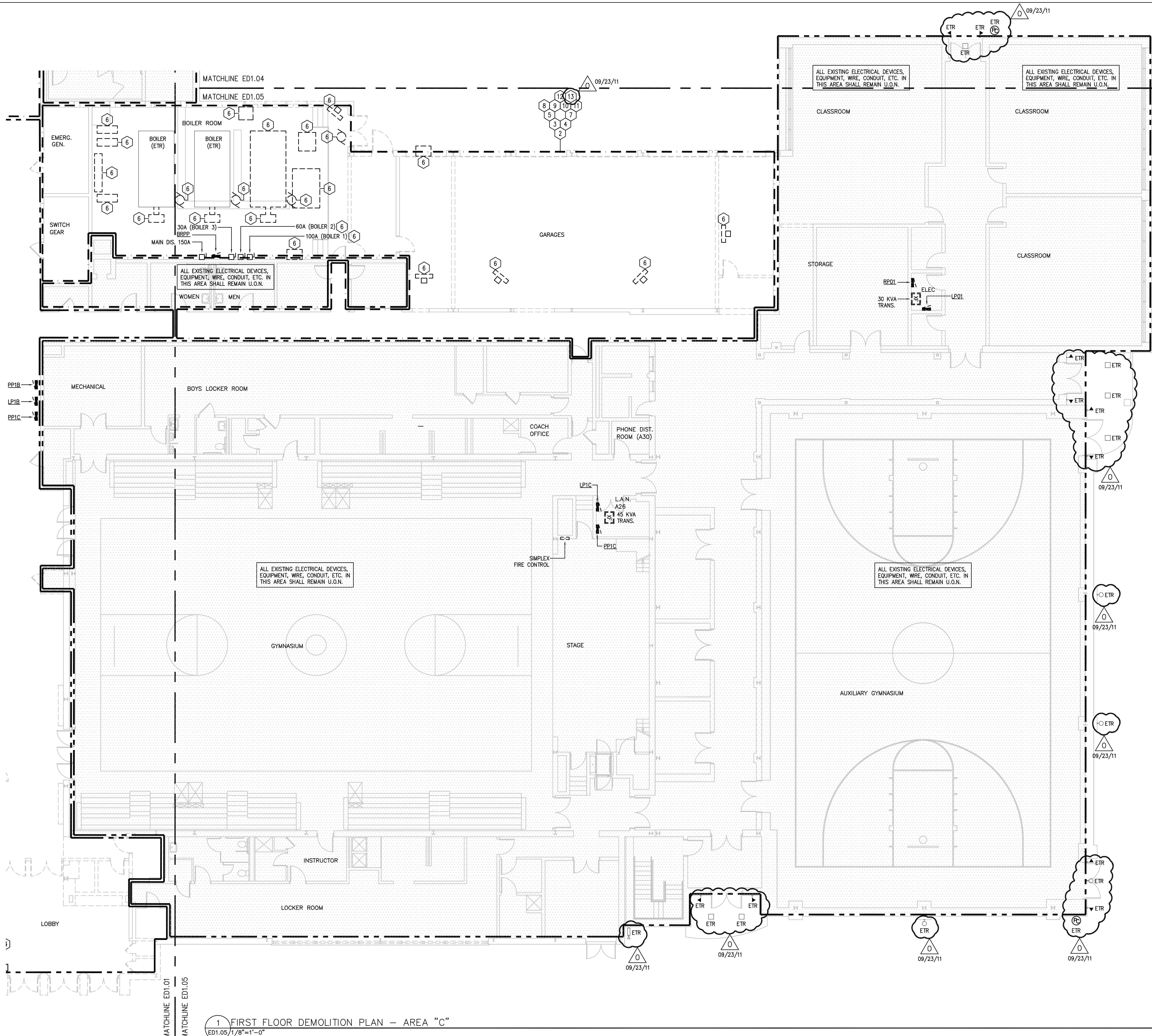
Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tol Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By CMV Approved By RRR Drawing No. ED1.04
CAD No. 0532-E-PLAN-DEMO-1	Project No. B-RT-843		

DEMOLITION AND REMOVALS

1. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
3. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
4. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
5. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
6. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
7. REMOVE, ABANDON, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
8. IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
9. COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
10. ALL MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF THE WORK, UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.
11. WHERE FEEDERS AND BRANCH CIRCUITS ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY. CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
12. REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE.
13. HAZARDOUS MATERIALS - CONTAINING PCB'S (BALLASTS), AND THE LIKE SHALL BE DISPOSED OF BY AN EPA APPROVED LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.

DEMOLITION KEY NOTES

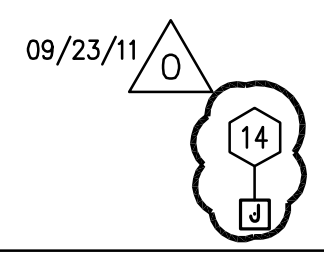
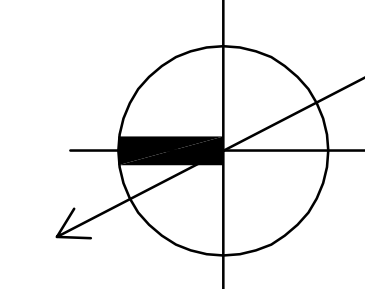
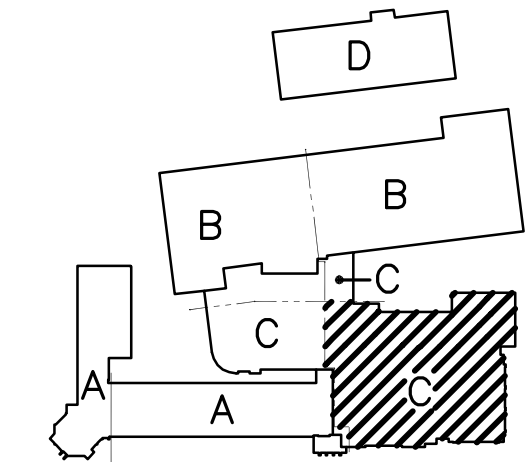
1. EXISTING FIRE ALARM CONTROL PANEL SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL ALL EXISTING AND NEW DEVICES HAVE BEEN MOVED TO NEW PANEL.
2. DISCONNECT AND REMOVE ALL EXISTING INTERIOR LIGHTING FIXTURES, SWITCHES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
3. DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
4. DISCONNECT AND REMOVE ALL EXISTING TELEPHONE/DATA OUTLETS, JUNCTION BOXES, RACEWAYS AND WIRING BACK TO TELECOMMUNICATIONS BACKBOARD - ALL TEL/COM WIRING REMOVED BY E.C. (TYPICAL FOR ALL AREAS). COORDINATE CABLE REMOVAL WITH OWNER.
5. DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, BACKBOXES, CONDUIT AND WIRING FOR OWNER'S EQUIPMENT BACK TO RESPECTIVE PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
6. DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR HVAC EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
7. DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR PLUMBING EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
8. DISCONNECT AND REMOVE ALL EXISTING HARDWIRED FIRE ALARM DEVICES, BACKBOXES, CONDUIT AND WIRING BACK TO RESPECTIVE FIRE ALARM TERMINAL CABINET (TYPICAL FOR ALL AREAS).
9. DISCONNECT AND REMOVE ALL OVERHEAD PAGING SYSTEM SPEAKERS, BACKBOXES, VOLUME CONTROL DEVICES, CONDUIT AND WIRING BACK TO THE EXISTING SOUND SYSTEM J.B. (TYPICAL FOR ALL AREAS).
10. DISCONNECT AND REMOVE ALL EXISTING CENTRAL SYSTEM CLOCKS AND ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST ACCESSIBLE J.B.
11. ELECTRICAL CONTRACTOR SHALL MAINTAIN/RECONNECT ALL EXISTING BRANCH CIRCUIT WIRING DISTURBED DURING CONSTRUCTION BUT OUTSIDE OF NEW CONSTRUCTION AREA.
12. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROJECT PHASING.
13. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING BUILDING MOUNTED FLOOD LIGHTS, WALL PACK LIGHTS, PHOTO CELL CONTROLLERS, EMERGENCY LIGHTS, SECURITY CAMERA'S AND TRUMPET SPEAKERS NOT INDICATED TO REMAIN, INCLUDING BUT NOT LIMITED TO FIXTURES, DEVICES, BACK BOXES, CONDUIT AND WIRING BACK TO POINT OF ORIGIN.
14. DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION TO ILLUMINATED SIGN ADJACENT TO FLAG POLE, INCLUDING BUT NOT LIMITED TO PULL/JUNCTION BOXES, CONDUIT AND WIRING BACK TO POINT OF ORIGIN.



1 FIRST FLOOR DEMOLITION PLAN - AREA "C"
ED1.05/1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR DEMOLITION PLAN		DEPARTMENT OF PUBLIC WORKS	
AREA "C" - ELECTRICAL			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	CMV
		Meriden, CT	Approved By
			RR
			Drawing No.
			ED1.05
CAD No.		Project No.	
0532-E-PLAN-DEMO-1		BI-RT-843	



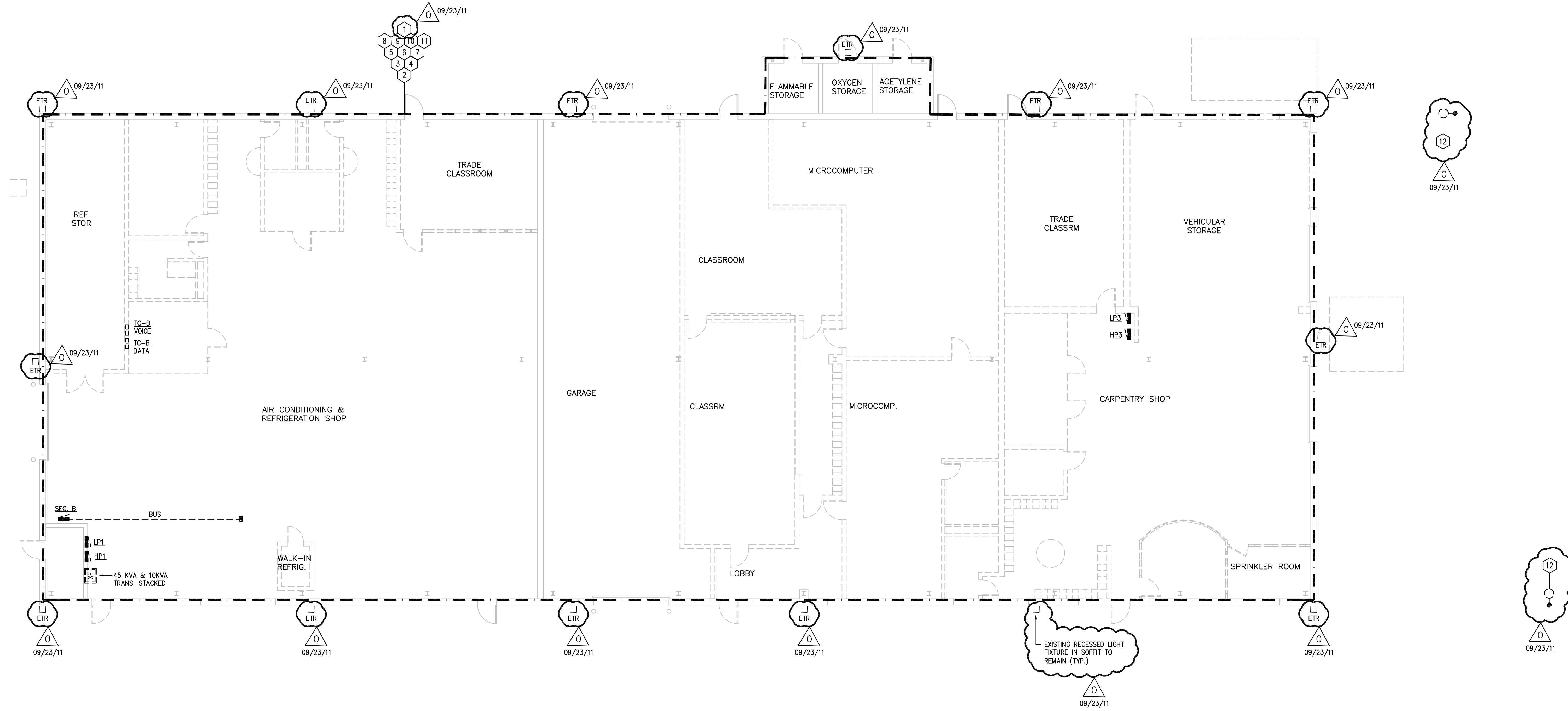
DEMOLITION AND REMOVALS

1. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
3. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
4. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
5. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
6. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
7. REMOVE, ABANDON, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
8. IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
9. COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
10. ALL MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF THE WORK, UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.
11. WHERE FEEDERS AND BRANCH CIRCUITS ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY. CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
12. REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE.
13. HAZARDOUS MATERIALS - CONTAINING POB'S (BALLASTS), AND THE LIKE SHALL BE DISPOSED OF BY AN EPA APPROVED, LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.

DEMOLITION KEY NOTES

- 1 DISCONNECT AND REMOVE ALL EXISTING INTERIOR LIGHTING FIXTURES, SWITCHES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
- 2 DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
- 3 DISCONNECT AND REMOVE ALL EXISTING TELEPHONE/DATA OUTLETS, JUNCTION BOXES, RACEWAYS AND WIRING BACK TO TELECOMMUNICATIONS BACKBOARD - ALL TEL/COM WIRING REMOVED BY E.C. (TYPICAL FOR ALL AREAS). COORDINATE CABLE REMOVAL WITH OWNER.
- 4 DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, BACKBOXES, CONDUIT AND WIRING FOR OWNER'S EQUIPMENT BACK TO RESPECTIVE PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
- 5 DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR HVAC EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
- 6 DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR PLUMBING EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
- 7 DISCONNECT AND REMOVE ALL EXISTING HARDWIRED FIRE ALARM DEVICES, BACKBOXES, CONDUIT AND WIRING BACK TO RESPECTIVE FIRE ALARM TERMINAL CABINET (TYPICAL FOR ALL AREAS).
- 8 DISCONNECT AND REMOVE ALL OVERHEAD PAGING SYSTEM SPEAKERS, BACKBOXES, VOLUME CONTROL DEVICES, CONDUIT AND WIRING BACK TO THE EXISTING SOUND SYSTEM J.B. (TYPICAL FOR ALL AREAS).
- 9 DISCONNECT AND REMOVE ALL EXISTING CENTRAL SYSTEM CLOCKS AND ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST ACCESSIBLE J.B.
- 10 ELECTRICAL CONTRACTOR SHALL MAINTAIN/RECONNECT ALL EXISTING BRANCH CIRCUIT WIRING DISTURBED DURING CONSTRUCTION BUT OUTSIDE OF NEW CONSTRUCTION AREA.
- 11 THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROJECT PHASING.
- 12 DISCONNECT AND REMOVE EXISTING EXTERIOR POLE MOUNTED LIGHT FIXTURES, POLE BASES AND ALL ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRING BACK TO POINT OF ORIGIN.

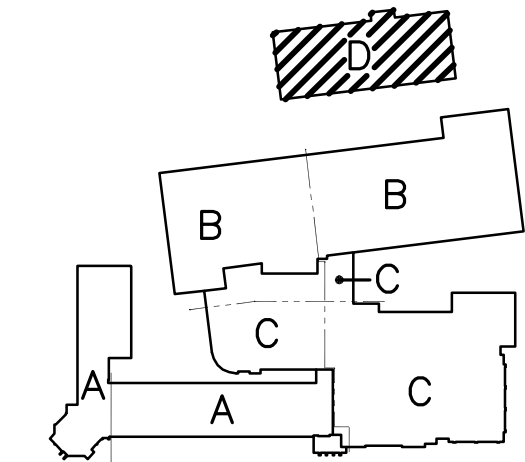
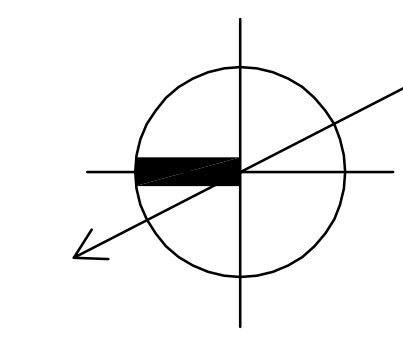
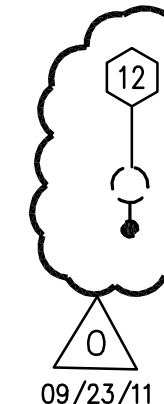
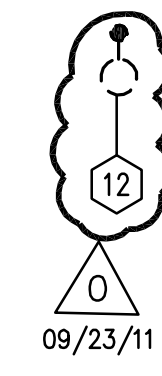
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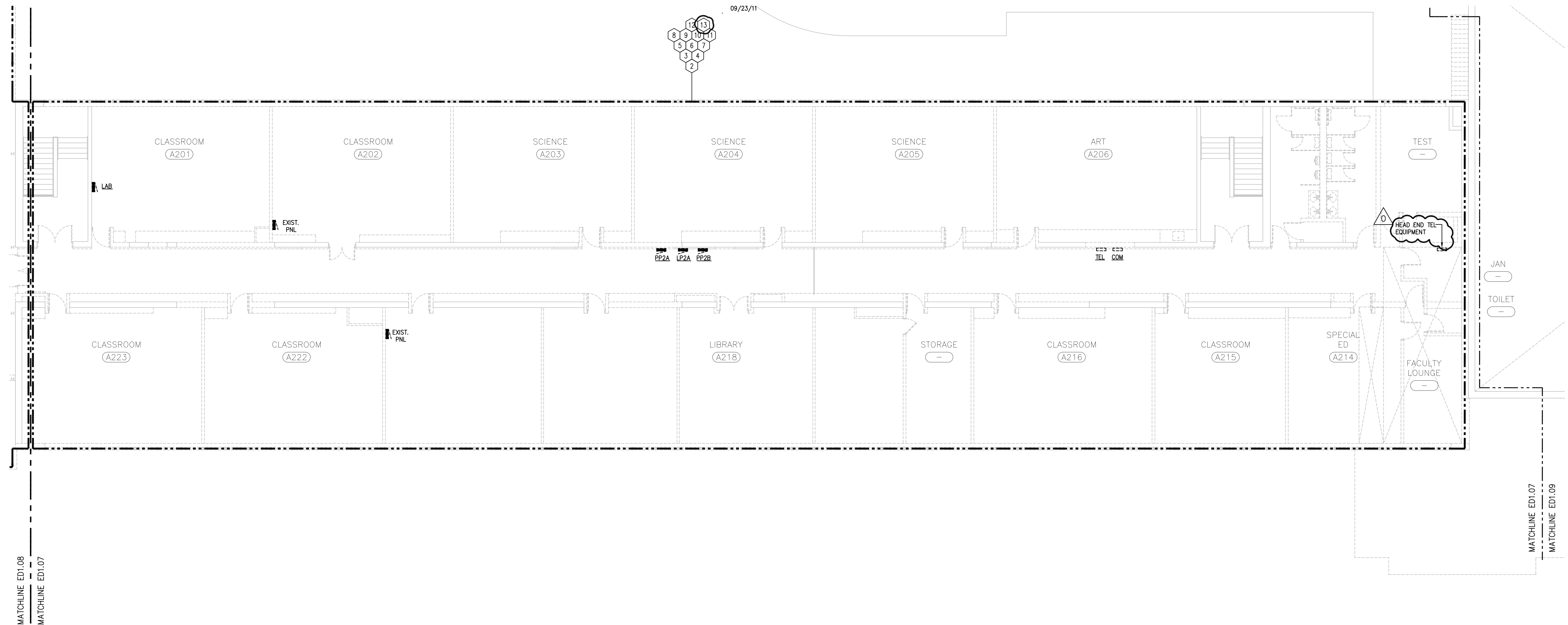


1 FIRST FLOOR DEMOLITION PLAN - AREA "D"
ED1.06 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "D" - ELECTRICAL			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	CMV
		Meriden, CT	Approved By
			RR
			Drawing No.
			ED1.06
CAD No.	Project No.		
0532-E-PLAN-DEMO-1	BI-RT-843		





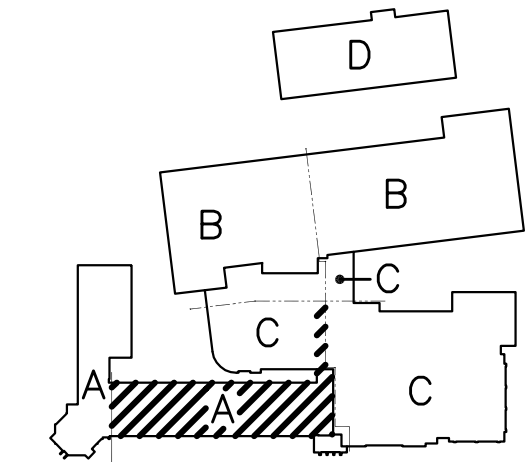
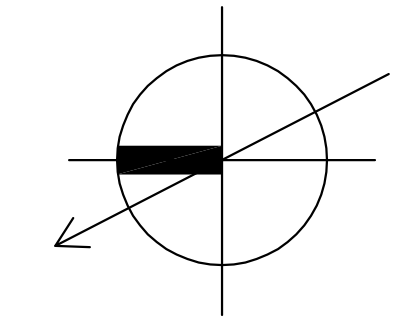
1 SECOND FLOOR PLAN - AREA "A"
ED1.07 1/8"=1'-0"

DEMOLITION AND REMOVALS	
1.	THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
2.	WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
3.	WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
4.	NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
5.	THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
6.	IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
7.	REMOVE, ABANDON, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
8.	IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
9.	COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
10.	ALL MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF THE WORK, UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.
11.	WHERE FEEDERS AND BRANCH CIRCUITS ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY. CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
12.	REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE.
13.	HAZARDOUS MATERIALS - CONTAINING PCB'S (BALLASTS), AND THE LIKE SHALL BE DISPOSED OF BY AN EPA APPROVED, LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.

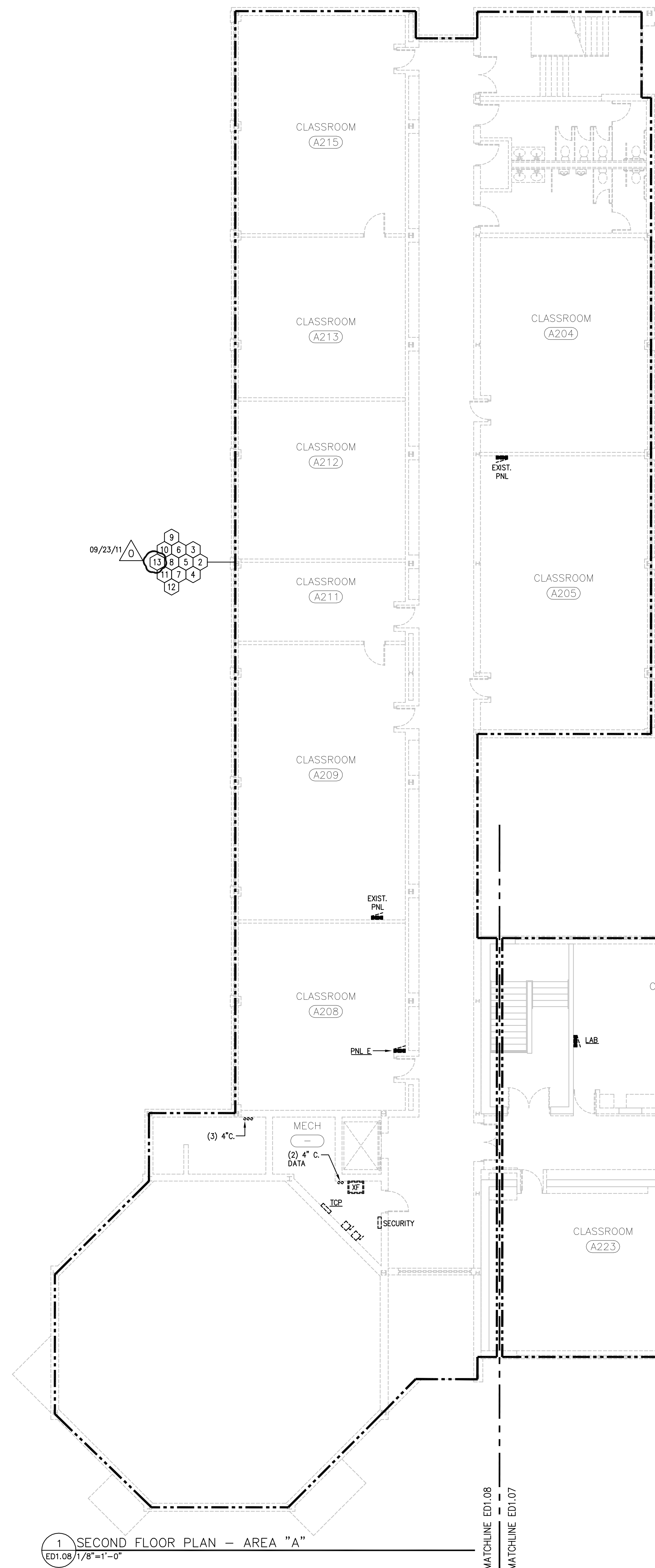
DEMOLITION KEY NOTES	
1	EXISTING FIRE ALARM CONTROL PANEL SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL ALL EXISTING AND NEW DEVICES HAVE BEEN MOVED TO NEW PANEL.
2	DISCONNECT AND REMOVE ALL EXISTING INTERIOR LIGHTING FIXTURES, SWITCHES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
3	DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
4	DISCONNECT AND REMOVE ALL EXISTING TELEPHONE/DATA OUTLETS, JUNCTION BOXES, RACEWAYS AND WIRING BACK TO TELECOMMUNICATIONS BACKBOARD - ALL TEL/COM WIRING REMOVED BY E.C. (TYPICAL FOR ALL AREAS). COORDINATE CABLE REMOVAL WITH OWNER.
5	DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, BACKBOXES, CONDUIT AND WIRING FOR OWNER'S EQUIPMENT BACK TO RESPECTIVE PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
6	DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR HVAC EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
7	DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR PLUMBING EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
8	DISCONNECT AND REMOVE ALL EXISTING HARDWIRED FIRE ALARM DEVICES, BACKBOXES, CONDUIT AND WIRING BACK TO RESPECTIVE FIRE ALARM TERMINAL CABINET (TYPICAL FOR ALL AREAS).
9	DISCONNECT AND REMOVE ALL OVERHEAD PAGING SYSTEM SPEAKERS, BACKBOXES, VOLUME CONTROL DEVICES, CONDUIT AND WIRING BACK TO THE EXISTING SOUND SYSTEM J.B. (TYPICAL FOR ALL AREAS).
10	DISCONNECT AND REMOVE ALL EXISTING CENTRAL SYSTEM CLOCKS AND ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST ACCESSIBLE J.B.
11	ELECTRICAL CONTRACTOR SHALL MAINTAIN/RECONNECT ALL EXISTING BRANCH CIRCUIT WIRING DISTURBED DURING CONSTRUCTION BUT OUTSIDE OF NEW CONSTRUCTION AREA.
12	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROJECT PHASING.
13	ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING BUILDING MOUNTED FLOOD LIGHTS, WALL PACK LIGHTS, PHOTO CELL CONTROLLERS, EMERGENCY LIGHTS, SECURITY CAMERAS AND TRUMPET SPEAKERS NOT INDICATED TO REMAIN, INCLUDING BUT NOT LIMITED TO FIXTURES, DEVICES, BACK BOXES, CONDUIT AND WIRING BACK TO POINT OF ORIGIN.

09/23/11

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
SECOND FLOOR PLAN AREA "A" ELECTRICAL DEMOLITION		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
REVISIONS		Date: 1/28/2011	Scale: 1/8"=1'-0"
Mark	REVISIONS	Drawn By SEC	Approved By RSR
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawing No. ED1.07
CAD No. 0532-E-PLAN-DEMO-2		Project No. B-RT-843	



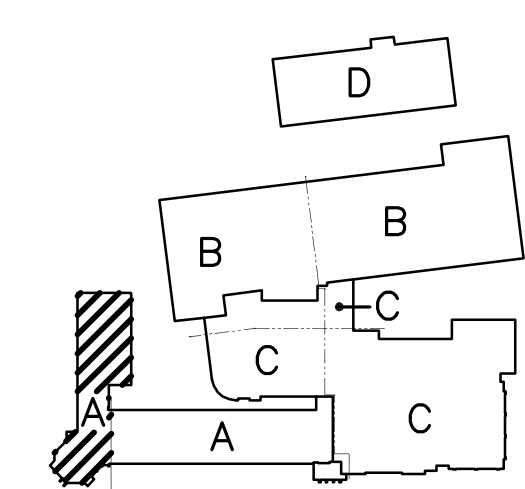
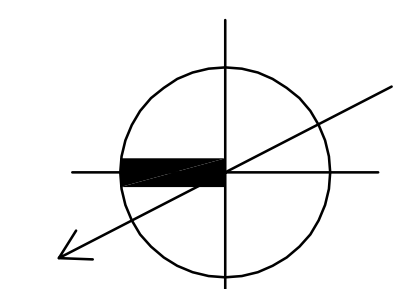
1 SECOND FLOOR PLAN - AREA "A"
ED1.08 1/8"=1'-0"

MATCHLINE ED1.08
MATCHLINE ED1.07

DEMOLITION KEY NOTES	
1	EXISTING FIRE ALARM CONTROL PANEL SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL ALL EXISTING AND NEW DEVICES HAVE BEEN MOVED TO NEW PANEL.
2	DISCONNECT AND REMOVE ALL EXISTING INTERIOR LIGHTING FIXTURES, SWITCHES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
3	DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
4	DISCONNECT AND REMOVE ALL EXISTING TELEPHONE/DATA OUTLETS, JUNCTION BOXES, RACEWAYS AND WIRING BACK TO TELECOMMUNICATIONS BACKBOARD - ALL TEL/COM WIRING REMOVED BY E.C. (TYPICAL FOR ALL AREAS). COORDINATE CABLE REMOVAL WITH OWNER.
5	DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, BACKBOXES, CONDUIT AND WIRING FOR OWNER'S EQUIPMENT BACK TO RESPECTIVE PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
6	DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR HVAC EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
7	DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, CONDUIT AND WIRING FOR PLUMBING EQUIPMENT BACK TO PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
8	DISCONNECT AND REMOVE ALL EXISTING HARDWIRED FIRE ALARM DEVICES, BACKBOXES, CONDUIT AND WIRING BACK TO RESPECTIVE FIRE ALARM TERMINAL CABINET (TYPICAL FOR ALL AREAS).
9	DISCONNECT AND REMOVE ALL OVERHEAD PAGING SYSTEM SPEAKERS, BACKBOXES, VOLUME CONTROL DEVICES, CONDUIT AND WIRING BACK TO THE EXISTING SOUND SYSTEM J.B. (TYPICAL FOR ALL AREAS).
10	DISCONNECT AND REMOVE ALL EXISTING CENTRAL SYSTEM CLOCKS AND ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST ACCESSIBLE J.B.
11	ELECTRICAL CONTRACTOR SHALL MAINTAIN/RECONNECT ALL EXISTING BRANCH CIRCUIT WIRING DISTURBED DURING CONSTRUCTION BUT OUTSIDE OF NEW CONSTRUCTION AREA.
12	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROJECT PHASING.
13	ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING BUILDING MOUNTED FLOOD LIGHTS, WALL PACK LIGHTS, PHOTO CELL CONTROLLERS, EMERGENCY LIGHTS, SECURITY CAMERA'S AND TRUMPET SPEAKERS NOT INDICATED TO REMAIN, INCLUDING BUT NOT LIMITED TO FIXTURES, DEVICES, BACK BOXES, CONDUIT AND WIRING BACK TO POINT OF ORIGIN.

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09/23/11

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title SECOND FLOOR PLAN AREA "A" ELECTRICAL DEMOLITION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
0	REVISD: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RSR Drawing No.
CAD No. 0532-E-PLAN-DEMO-2		Project No. BI-RT-843	ED1.08

DEMOLITION AND REMOVALS

1. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, COOPER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
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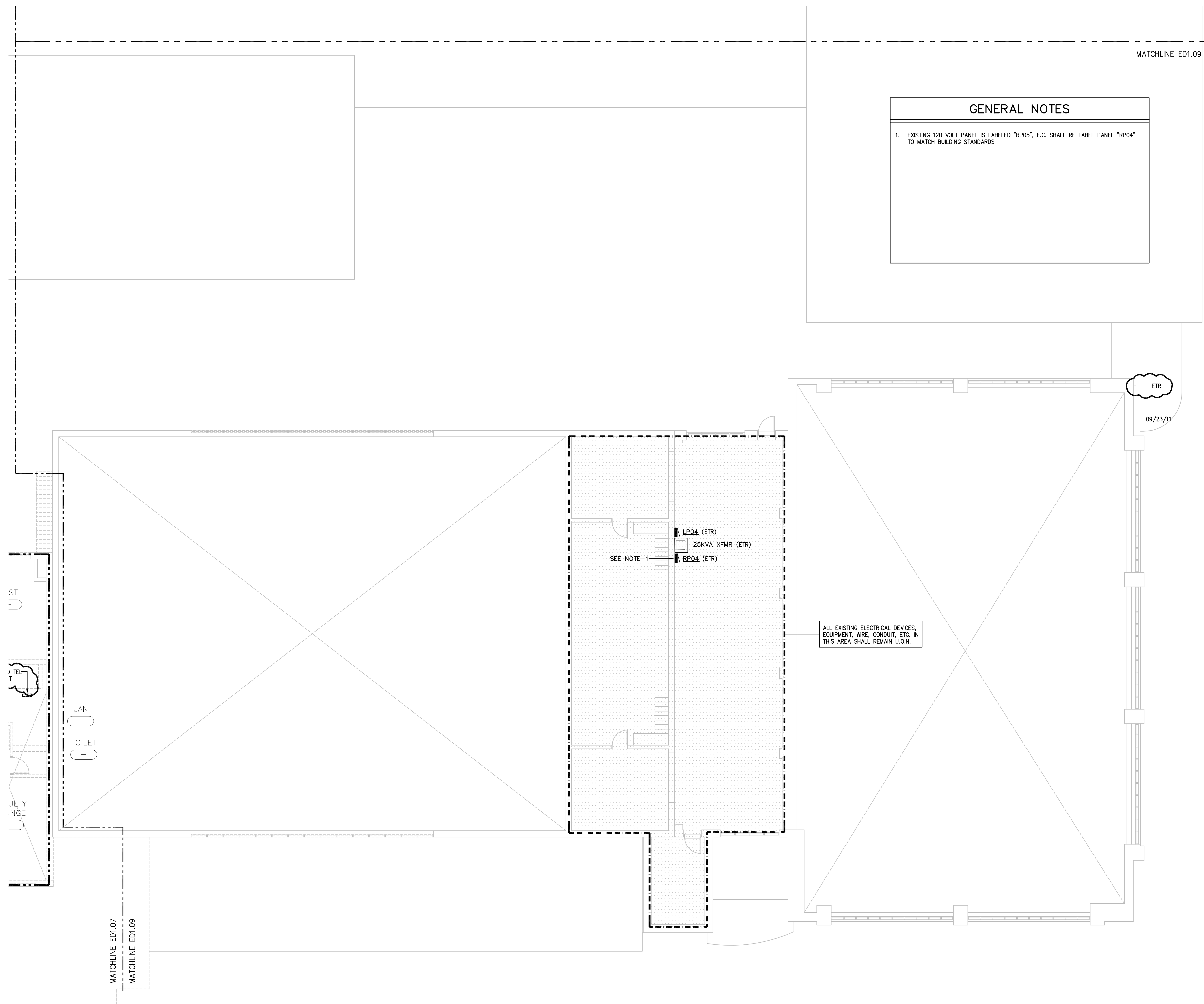
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MATCHLINE ED1.09

GENERAL NOTES

1. EXISTING 120 VOLT PANEL IS LABELED "RP05", E.C. SHALL RE LABEL PANEL "RP04" TO MATCH BUILDING STANDARDS

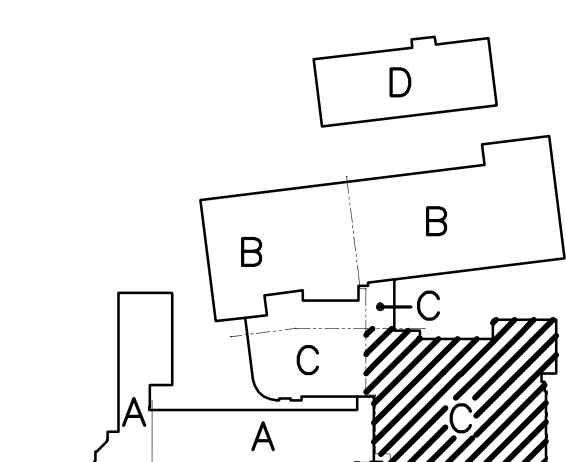
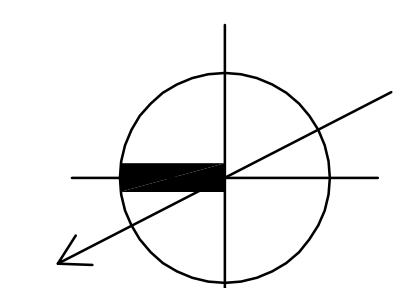


ETR
09/23/11

1 SECOND FLOOR PLAN - AREA "C"
ED1.09 1/8"=1'-0"

REFER TO DRAWING ED.01 FOR SYMBOLS AND ABBREVIATIONS

REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISD: 09/09/2011	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RSR Drawing No. ED1.09
CAD No. 0532-E-PLAN-DEMO-2		Project No. BI-RT-843	

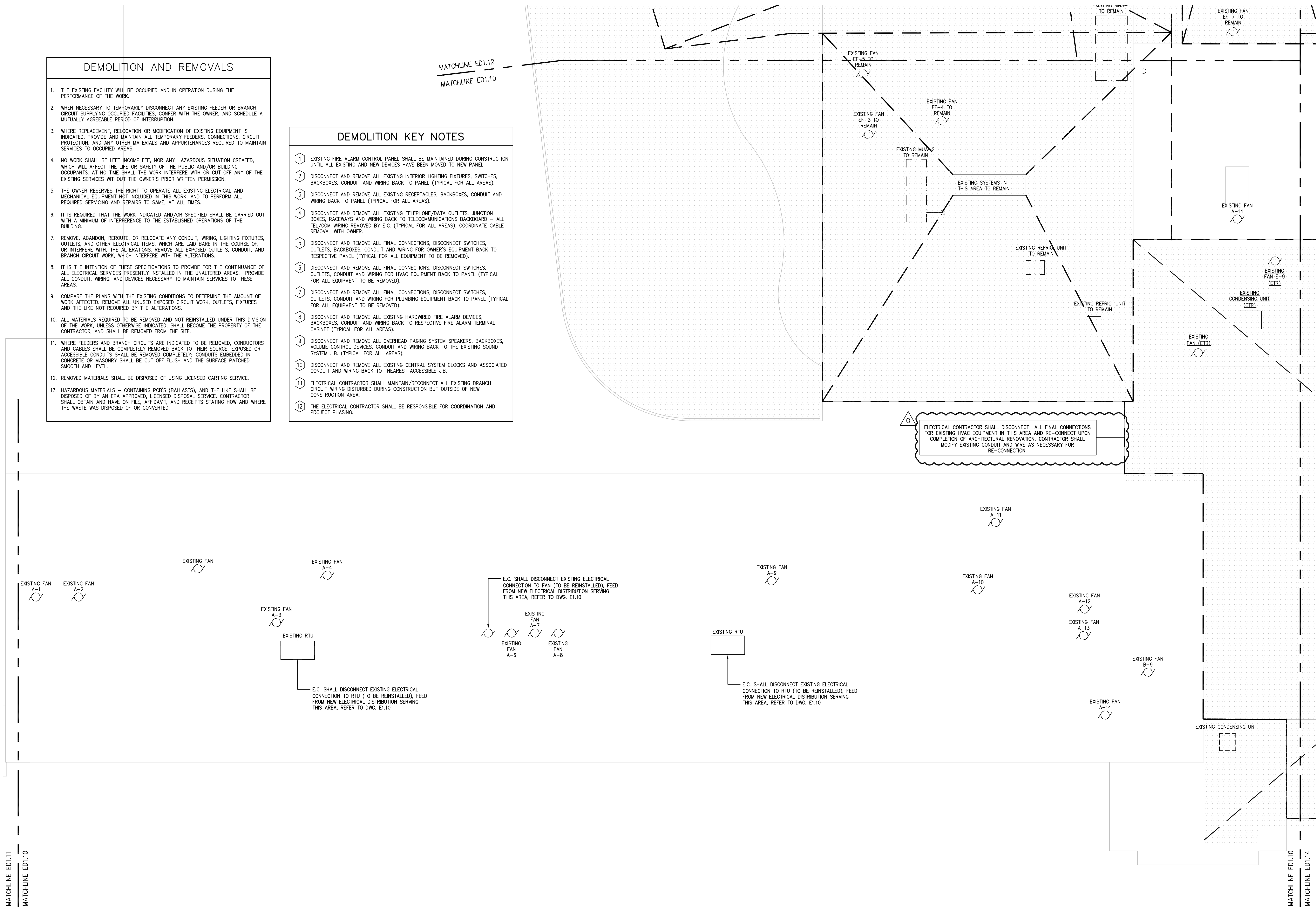


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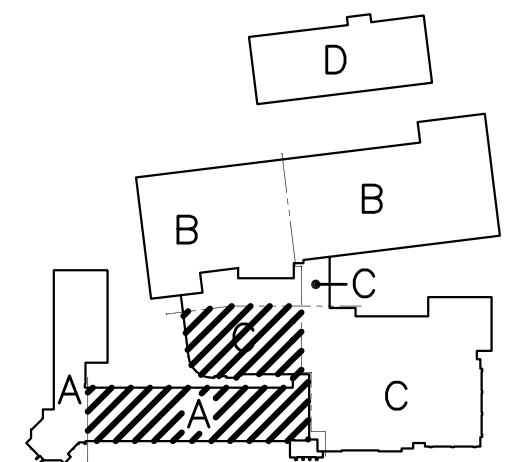
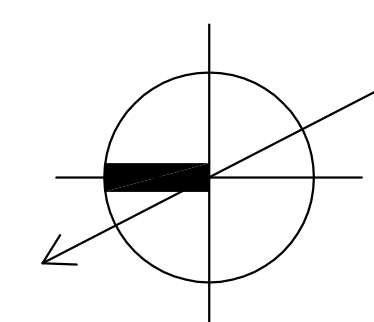
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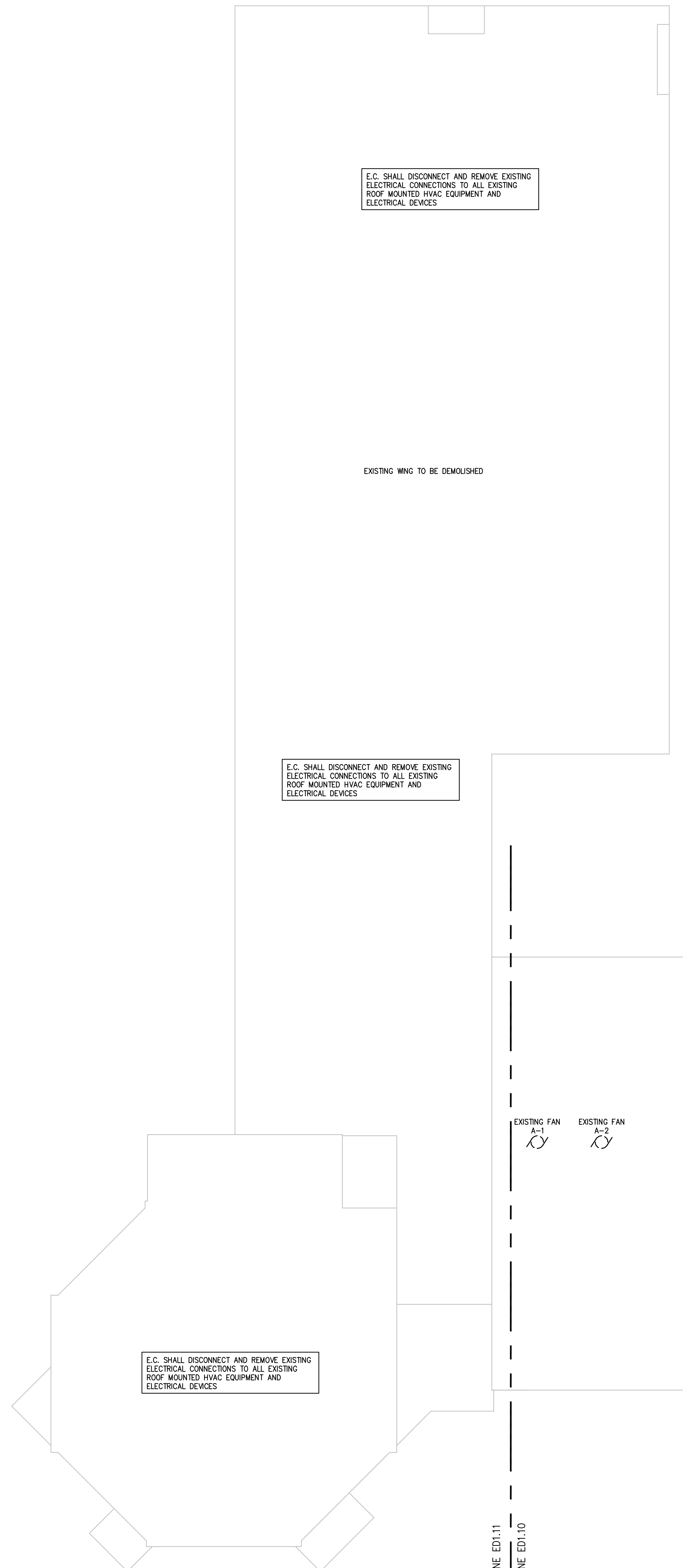


1 ROOF DEMOLITION PLAN - AREA "A" & "C"
ED1.10 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF DEMOLITION PLAN AREA "A" & "C" - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISD: 09/09/2011	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By G19/SEC Approved By R/R Drawing No. ED1.10
CAD No. 0532-E-PLAN-DEMO-1		Project No. B-RT-843	



E.C. SHALL DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTIONS TO ALL EXISTING ROOF MOUNTED HVAC EQUIPMENT AND ELECTRICAL DEVICES

EXISTING WING TO BE DEMOLISHED

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EXISTING FAN A-1
EXISTING FAN A-2

MATCHLINE ED1.11
MATCHLINE ED1.10

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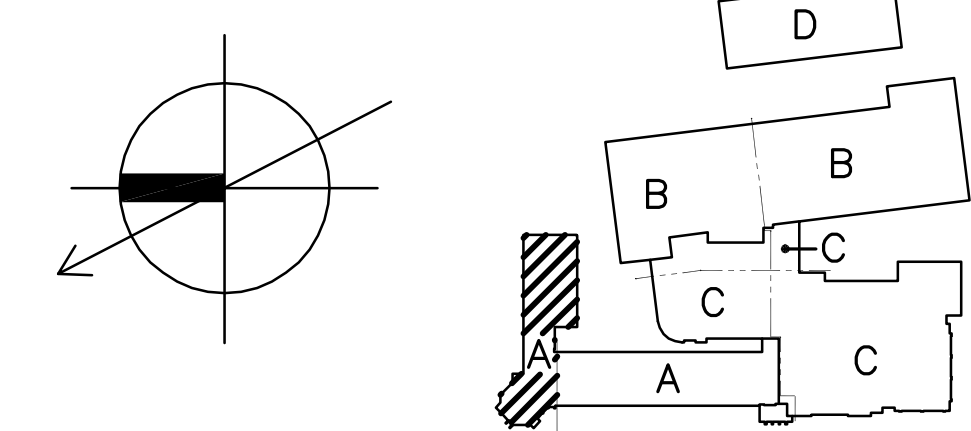
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REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

1 ROOF DEMOLITION PLAN - AREA "A"
ED1.11 1/8"=1'-0"

Drawing Title ROOF DEMOLITION PLAN AREA "A" - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEG/GTG Approved By RR Drawing No. ED1.11
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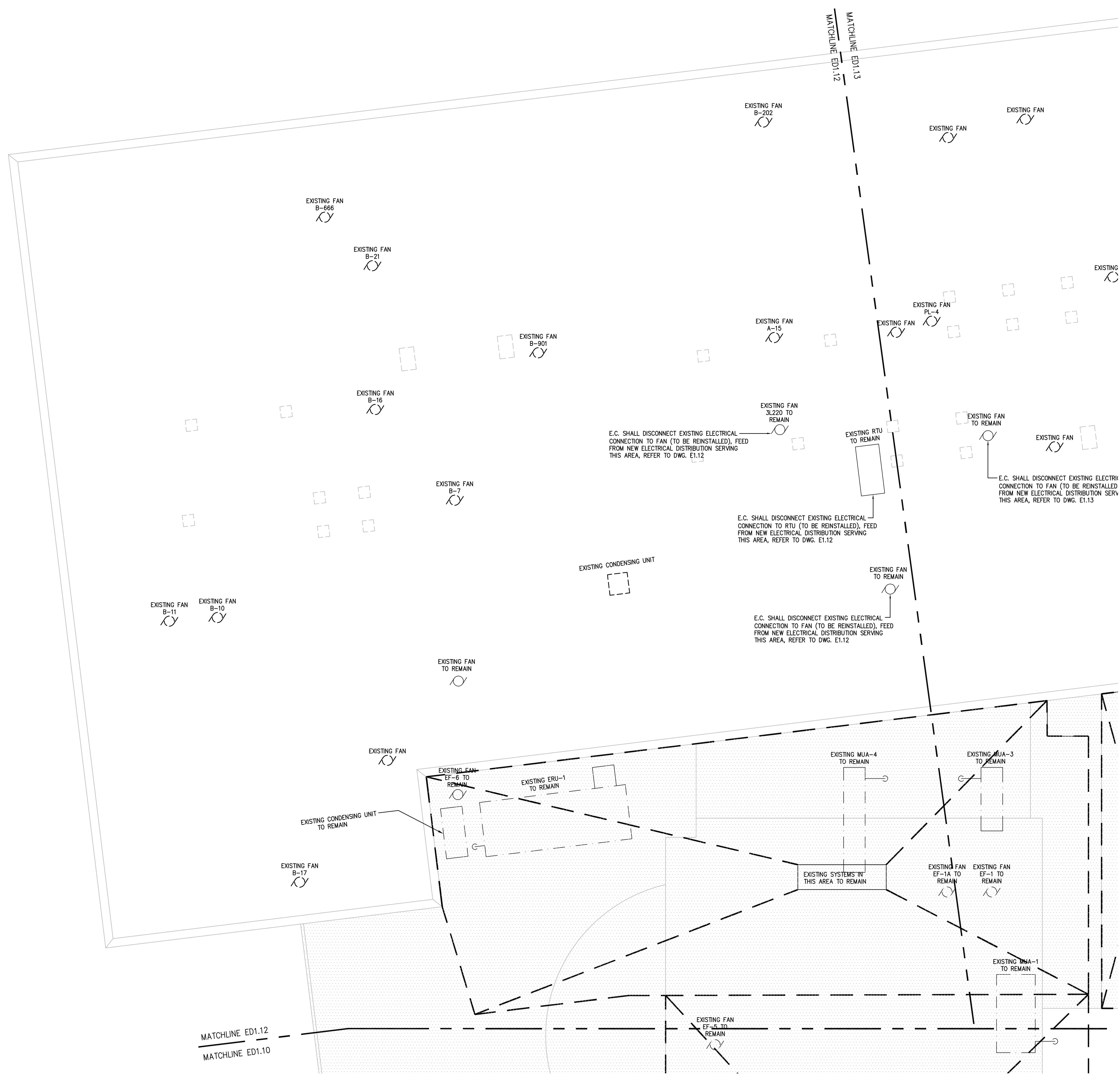


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- 10 DISCONNECT AND REMOVE ALL EXISTING CENTRAL SYSTEM CLOCKS AND ASSOCIATED CONDUIT AND WIRING BACK TO NEAREST ACCESSIBLE J.B.
- 11 ELECTRICAL CONTRACTOR SHALL MAINTAIN/RECONNECT ALL EXISTING BRANCH CIRCUIT WIRING DISTURBED DURING CONSTRUCTION BUT OUTSIDE OF NEW CONSTRUCTION AREA.
- 12 THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROJECT PHASING.



E.C. SHALL DISCONNECT EXISTING ELECTRICAL CONNECTION TO FAN (TO BE REINSTALLED), FEED FROM NEW ELECTRICAL DISTRIBUTION SERVING THIS AREA, REFER TO DWG. E1.12

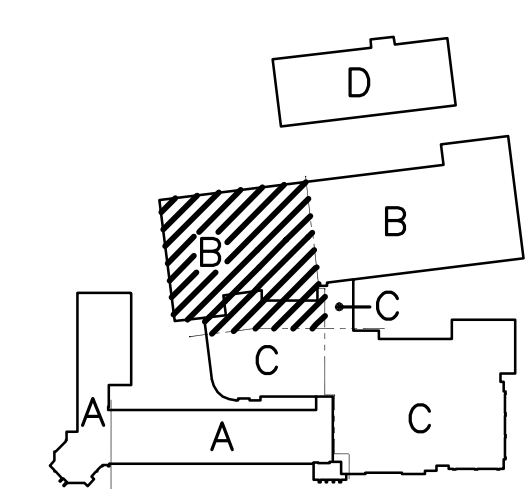
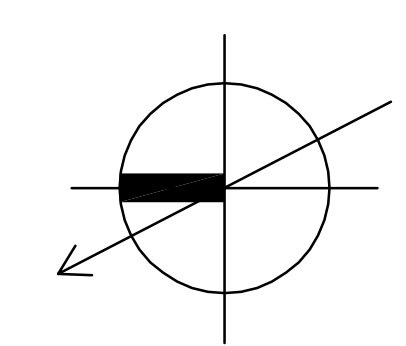
E.C. SHALL DISCONNECT EXISTING ELECTRICAL CONNECTION TO RTU (TO BE REINSTALLED), FEED FROM NEW ELECTRICAL DISTRIBUTION SERVING THIS AREA, REFER TO DWG. E1.12

E.C. SHALL DISCONNECT EXISTING ELECTRICAL CONNECTION TO FAN (TO BE REINSTALLED), FEED FROM NEW ELECTRICAL DISTRIBUTION SERVING THIS AREA, REFER TO DWG. E1.13

E.C. SHALL DISCONNECT EXISTING ELECTRICAL CONNECTION TO FAN (TO BE REINSTALLED), FEED FROM NEW ELECTRICAL DISTRIBUTION SERVING THIS AREA, REFER TO DWG. E1.12

1 ROOF DEMOLITION PLAN - AREA "B" & "C"
ED1.12 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF DEMOLITION PLAN AREA "B" & "C" - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Approved By RR	Drawn By SEG/GTG
			Approved By RR
			Drawing No. ED1.12
CAD No. 0532-E-PLAN-DEMO-1		Project No. B-RT-843	

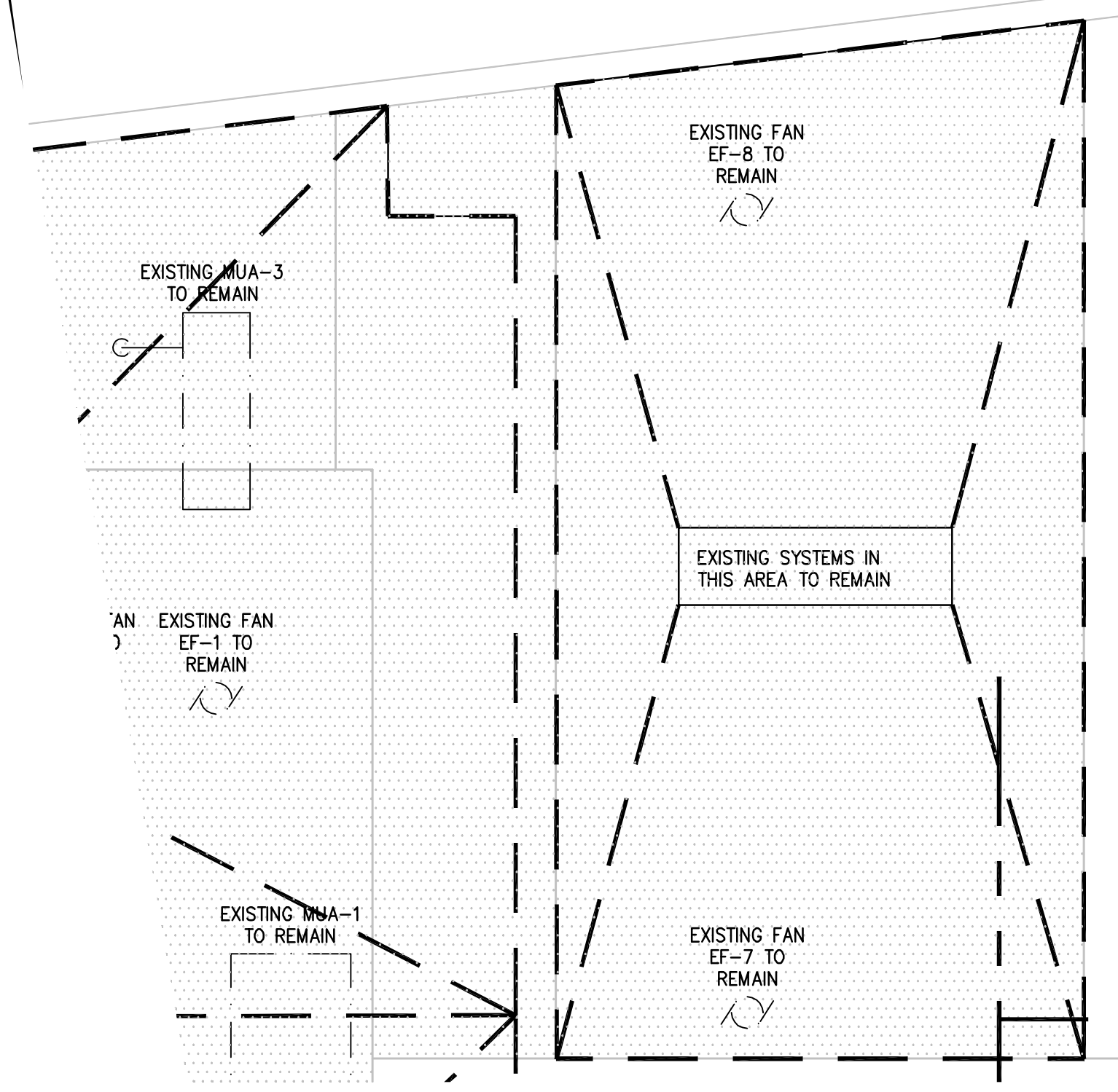
MATCHLINE ED1.13
MATCHLINE ED1.12

DEMOLITION AND REMOVALS

1. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
3. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
4. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
5. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT NOT INCLUDED IN THIS WORK, AND TO PERFORM ALL REQUIRED SERVICING AND REPAIRS TO SAME, AT ALL TIMES.
6. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
7. REMOVE, ABANDON, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
8. IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
9. COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
10. ALL MATERIALS REQUIRED TO BE REMOVED AND NOT REINSTALLED UNDER THIS DIVISION OF THE WORK, UNLESS OTHERWISE INDICATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE.
11. WHERE FEEDERS AND BRANCH CIRCUITS ARE INDICATED TO BE REMOVED, CONDUCTORS AND CABLES SHALL BE COMPLETELY REMOVED BACK TO THEIR SOURCE. EXPOSED OR ACCESSIBLE CONDUITS SHALL BE REMOVED COMPLETELY. CONDUITS EMBEDDED IN CONCRETE OR MASONRY SHALL BE CUT OFF FLUSH AND THE SURFACE PATCHED SMOOTH AND LEVEL.
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13. HAZARDOUS MATERIALS - CONTAINING PCB'S (BALLASTS), AND THE LIKE SHALL BE DISPOSED OF BY AN EPA APPROVED, LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.

DEMOLITION KEY NOTES

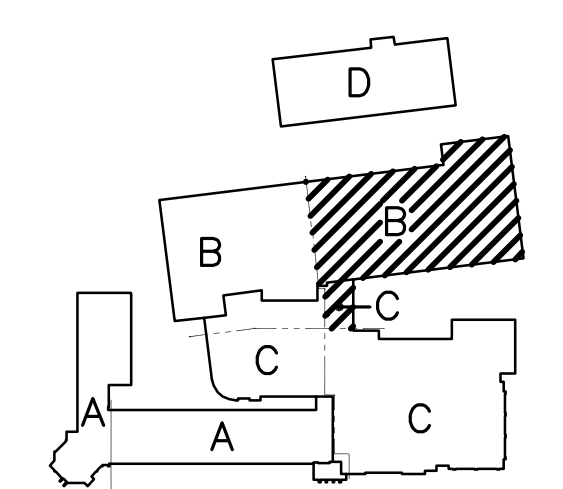
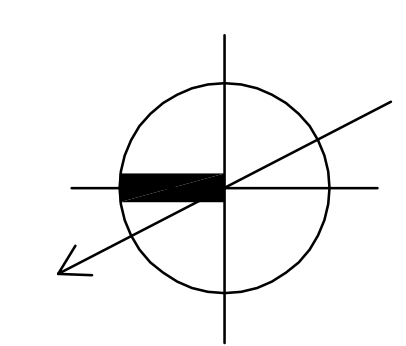
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2. DISCONNECT AND REMOVE ALL EXISTING INTERIOR LIGHTING FIXTURES, SWITCHES, BACKBOXES, CONDUIT AND WIRING BACK TO PANEL (TYPICAL FOR ALL AREAS).
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4. DISCONNECT AND REMOVE ALL EXISTING TELEPHONE/DATA OUTLETS, JUNCTION BOXES, RACEWAYS AND WIRING BACK TO TELECOMMUNICATIONS BACKBOARD - ALL TEL/COM WIRING REMOVED BY E.C. (TYPICAL FOR ALL AREAS). COORDINATE CABLE REMOVAL WITH OWNER.
5. DISCONNECT AND REMOVE ALL FINAL CONNECTIONS, DISCONNECT SWITCHES, OUTLETS, BACKBOXES, CONDUIT AND WIRING FOR OWNER'S EQUIPMENT BACK TO RESPECTIVE PANEL (TYPICAL FOR ALL EQUIPMENT TO BE REMOVED).
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1 ROOF DEMOLITION PLAN - AREA "B" & "C"
ED1.13/1/8"=1'-0"

MATCHLINE ED1.13
MATCHLINE ED1.14

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



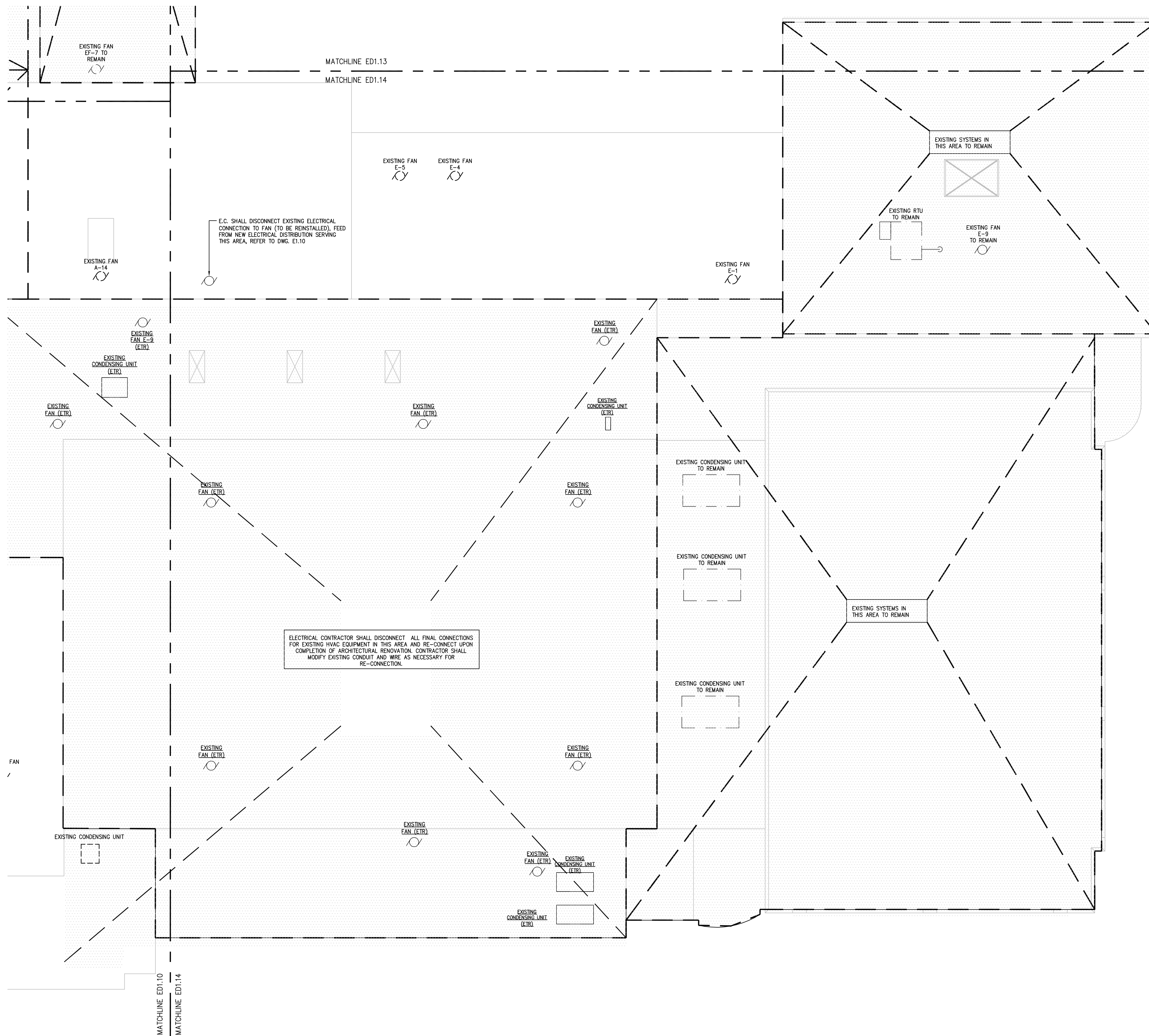
Drawing Title ROOF DEMOLITION PLAN AREA "B" & "C" - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC/GTG Approved By RR
CAD No. 0532-E-PLAN-DEMO-1		Project No. B-RT-843	Drawing No. ED1.13

DEMOLITION AND REMOVALS

1. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
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9. COMPARE THE PLANS WITH THE EXISTING CONDITIONS TO DETERMINE THE AMOUNT OF WORK AFFECTED. REMOVE ALL UNUSED EXPOSED CIRCUIT WORK, OUTLETS, FIXTURES AND THE LIKE NOT REQUIRED BY THE ALTERATIONS.
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12. REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE.
13. HAZARDOUS MATERIALS - CONTAINING POP'S (BALLASTS), AND THE LIKE SHALL BE DISPOSED OF BY AN EPA APPROVED, LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.

DEMOLITION KEY NOTES

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12. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROJECT PHASING.

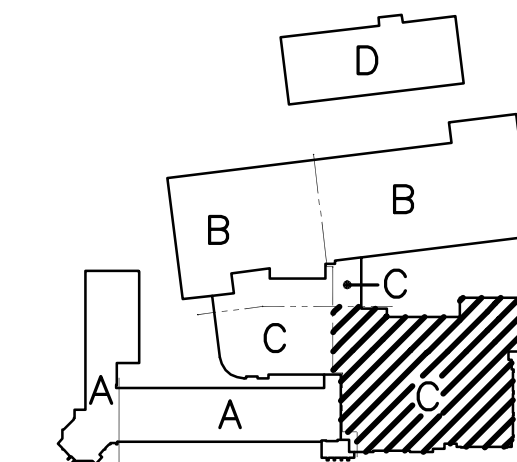
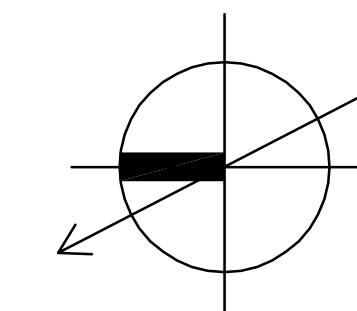


E.C. SHALL DISCONNECT EXISTING ELECTRICAL CONNECTION TO FAN (TO BE REINSTALLED). FEED FROM NEW ELECTRICAL DISTRIBUTION SERVING THIS AREA. REFER TO DWG. E1.10

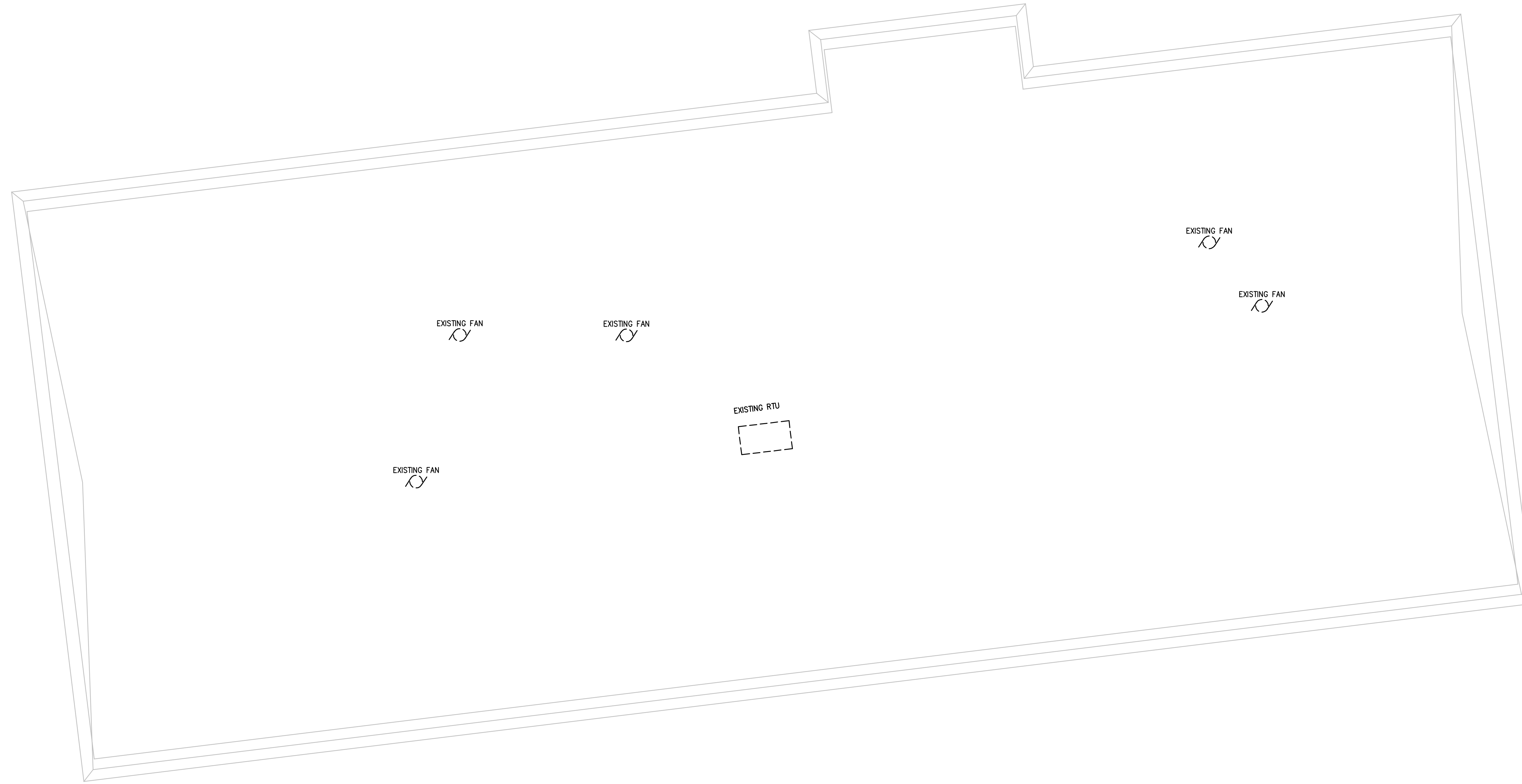
ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL FINAL CONNECTIONS FOR EXISTING HVAC EQUIPMENT IN THIS AREA AND RE-CONNECT UPON COMPLETION OF ARCHITECTURAL RENOVATION. CONTRACTOR SHALL MODIFY EXISTING CONDUIT AND WIRE AS NECESSARY FOR RE-CONNECTION.

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

1 ROOF DEMOLITION PLAN - AREA "C"
ED1.14 1/8"=1'-0"



Drawing Title ROOF DEMOLITION PLAN AREA "C" - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Approved By RR	Drawn By SEG/GTG
			Approved By RR
			Drawing No. ED1.14
CAD No. 0532-E-PLAN-DEMO-1		Project No. B-RT-843	

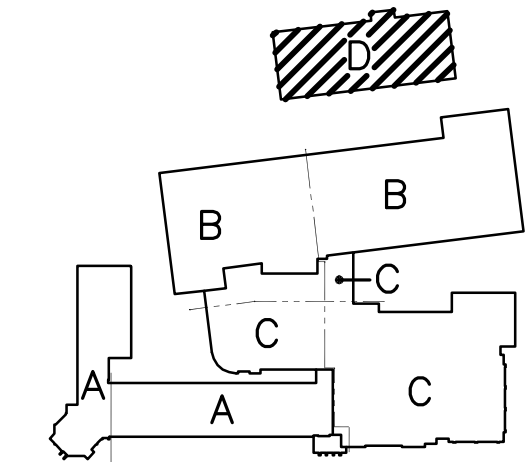
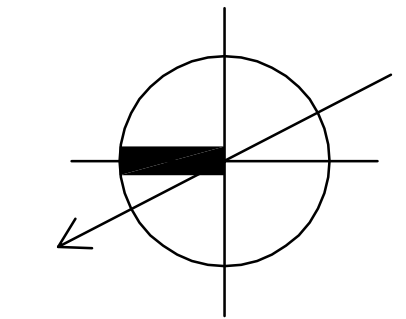


1 ROOF DEMOLITION PLAN - AREA "D"
ED1.15 1/8"=1'-0"

DEMOLITION AND REMOVALS	
1.	THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
2.	WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING FEEDER OR BRANCH CIRCUIT SUPPLYING OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
3.	WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY FEEDERS, CONNECTIONS, CIRCUIT PROTECTION, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
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7.	REMOVE, ABANDON, REROUTE, OR RELOCATE ANY CONDUIT, WIRING, LIGHTING FIXTURES, OUTLETS, AND OTHER ELECTRICAL ITEMS, WHICH ARE LAID BARE IN THE COURSE OF, OR INTERFERE WITH, THE ALTERATIONS. REMOVE ALL EXPOSED OUTLETS, CONDUIT, AND BRANCH CIRCUIT WORK, WHICH INTERFERE WITH THE ALTERATIONS.
8.	IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE FOR THE CONTINUANCE OF ALL ELECTRICAL SERVICES PRESENTLY INSTALLED IN THE UNALTERED AREAS. PROVIDE ALL CONDUIT, WIRING, AND DEVICES NECESSARY TO MAINTAIN SERVICES TO THESE AREAS.
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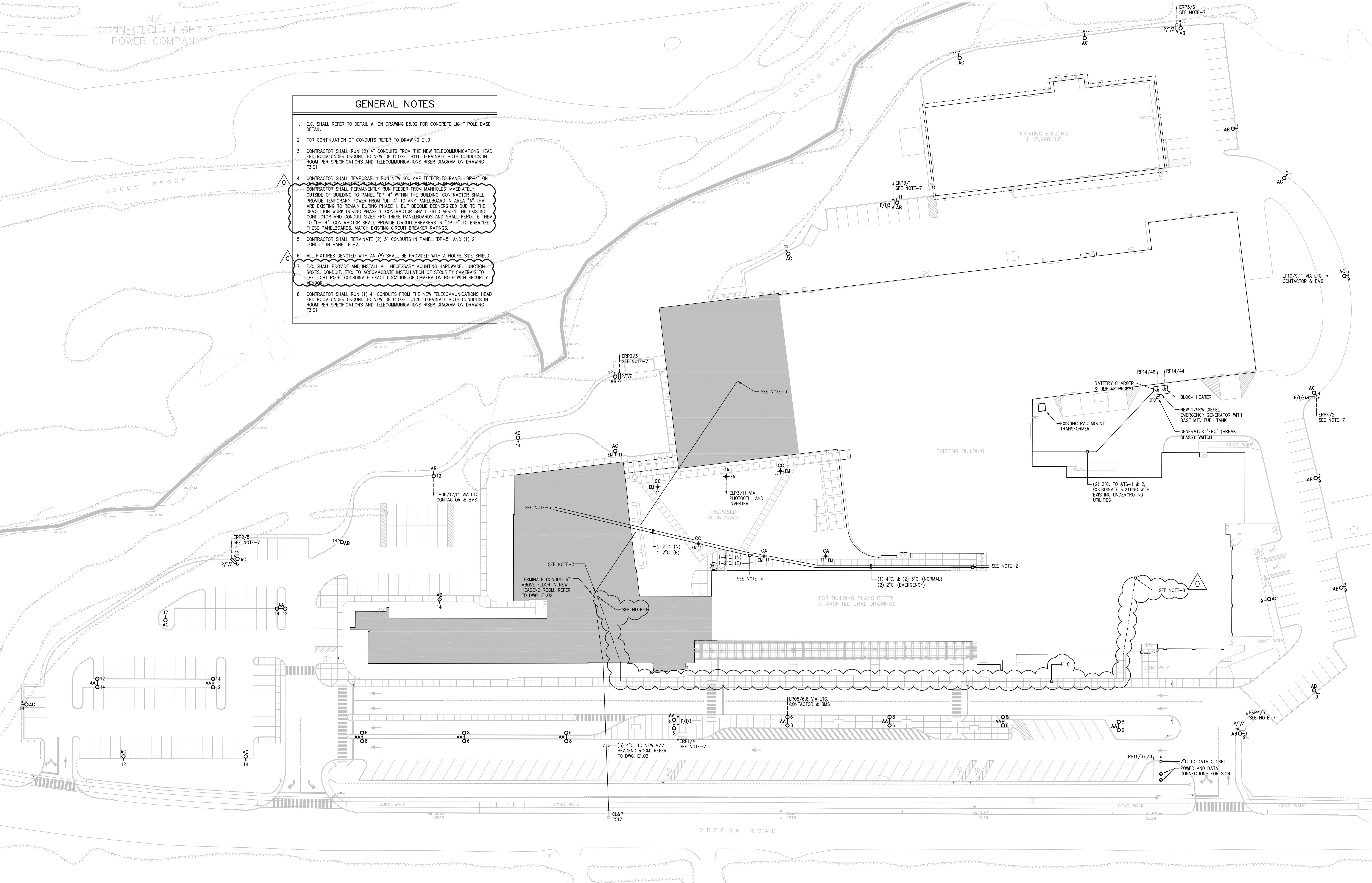
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF DEMOLITION PLAN AREA "D" - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEG/GTG Approved By RR Drawing No. ED1.15
CAD No. 0532-E-PLAN-DEMO-1		Project No. BI-RT-843	

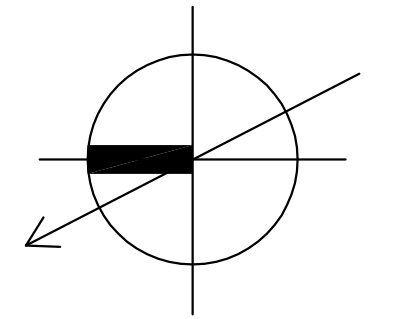
GENERAL NOTES

- E.C. SHALL REFER TO DETAIL #1 ON DRAWING E5.02 FOR CONCRETE LIGHT POLE BASE DETAIL.
- FOR CONTINUATION OF CONDUITS REFER TO DRAWING E1.01.
- CONTRACTOR SHALL RUN (2) 4" CONDUITS FROM THE NEW TELECOMMUNICATIONS HEAD END ROOM UNDER GROUND TO NEW IDF CLOSET B111. TERMINATE BOTH CONDUITS IN ROOM PER SPECIFICATIONS AND TELECOMMUNICATIONS RISER DIAGRAM ON DRAWING T3.01.
- CONTRACTOR SHALL TEMPORARILY RUN NEW 400 AMP FEEDER TO PANEL "DP-4" ON SECOND FLOOR ELECTRIC CLOSET "218" WITHIN PHASE 1. IN PHASE 1, THE CONTRACTOR SHALL PERMANENTLY RUN FEEDER FROM MANHOLES IMMEDIATELY OUTSIDE OF BUILDING TO PANEL "DP-4" WITHIN THE BUILDING. CONTRACTOR SHALL PROVIDE TEMPORARY POWER FROM "DP-4" TO ANY PANELBOARD IN AREA "A" THAT ARE EXISTING TO REMAIN DURING PHASE 1, BUT BECOME DEENERGIZED DUE TO THE DEMOLITION WORK DURING PHASE 1. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDUCTOR AND CONDUIT SIZES FOR THESE PANELBOARDS AND SHALL REROUTE THEM TO "DP-4". CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS IN "DP-4" TO ENERGIZE THESE PANELBOARDS. MATCH EXISTING CIRCUIT BREAKER RATINGS.
- CONTRACTOR SHALL TERMINATE (2) 3" CONDUITS IN PANEL "DP-5" AND (1) 2" CONDUIT IN PANEL ELP2.
- ALL FIXTURES DENOTED WITH AN (*) SHALL BE PROVIDED WITH A HOUSE SIDE SHIELD.
- E.C. SHALL PROVIDE AND INSTALL ALL NECESSARY MOUNTING HARDWARE, JUNCTION BOXES, CONDUIT, ETC. TO ACCOMMODATE INSTALLATION OF SECURITY CAMERAS TO THE LIGHT POLE. COORDINATE EXACT LOCATION OF CAMERA ON POLE WITH SECURITY VENDOR.
- CONTRACTOR SHALL RUN (1) 4" CONDUITS FROM THE NEW TELECOMMUNICATIONS HEAD END ROOM UNDER GROUND TO NEW IDF CLOSET C128. TERMINATE BOTH CONDUITS IN ROOM PER SPECIFICATIONS AND TELECOMMUNICATIONS RISER DIAGRAM ON DRAWING T3.01.



1 SITE PLAN
E1.00 1" = 30'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

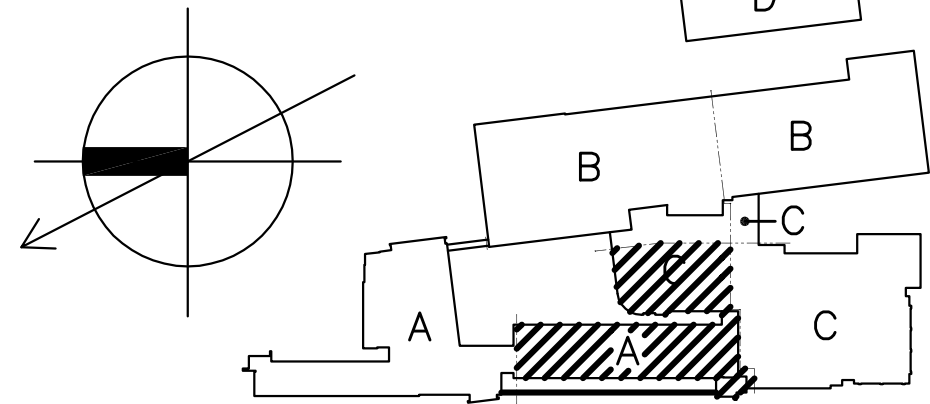


Drawing Title SITE PLAN - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale AS NOTED
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RSR Drawing No. E1.00
CAD No. 0532-E1.00(Site).dwg		Project No. B-RT-843	



1 FIRST FLOOR PLAN - AREA "A" & "C"
E1.01 1/8"=1'-0"

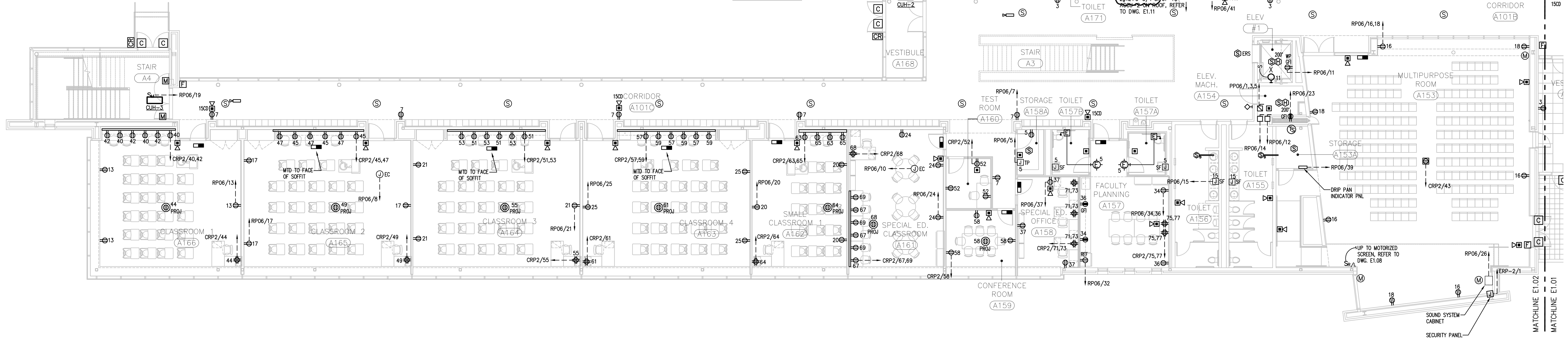
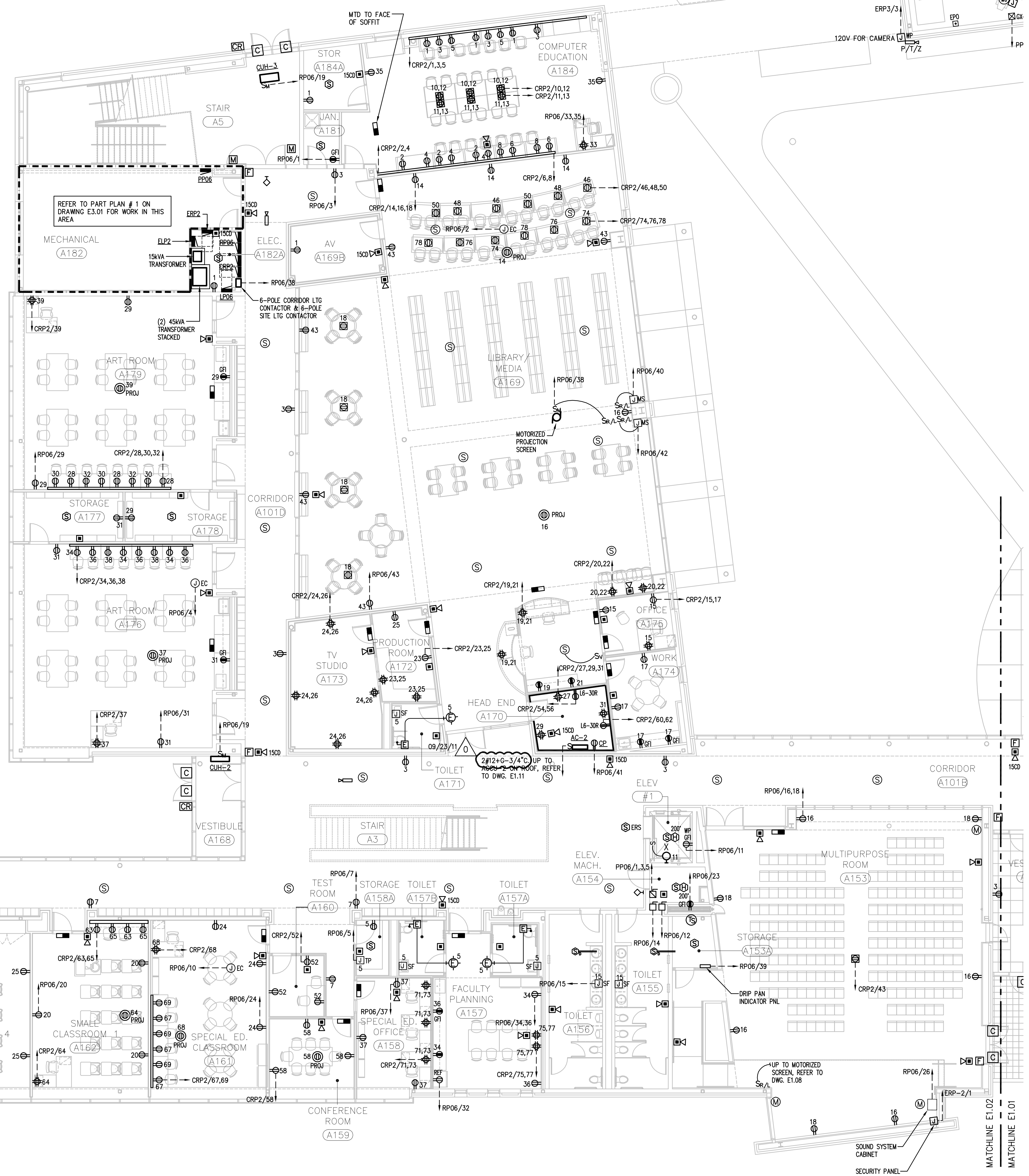
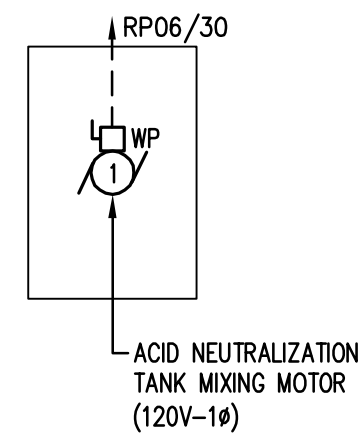
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title FIRST FLOOR PLAN - AREA "A" & "C" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No. E1.01
CAD No. 0532-E-PLAN-1	Project No. B-RT-843	Approved By RR	Drawing No. E1.01

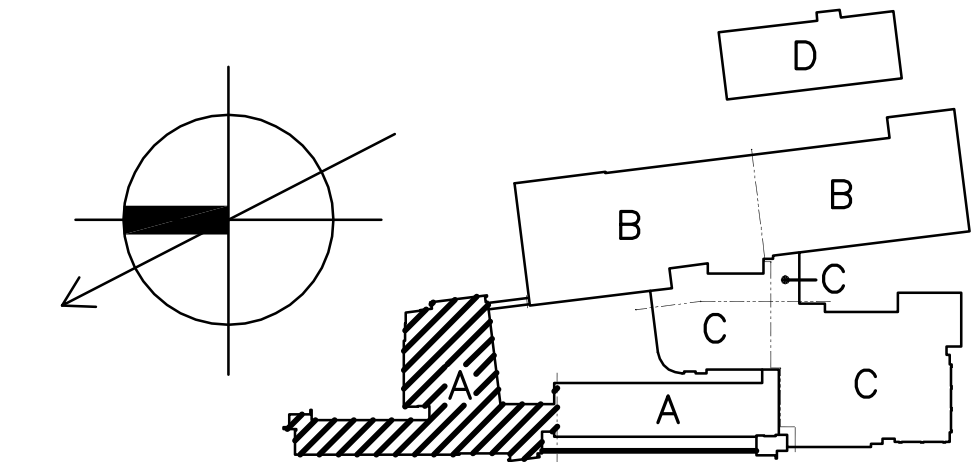


2 TEMPORARY ADMIN PART PLAN - AREA "A"
E1.02 SCALE: 1/8"=1'-0"

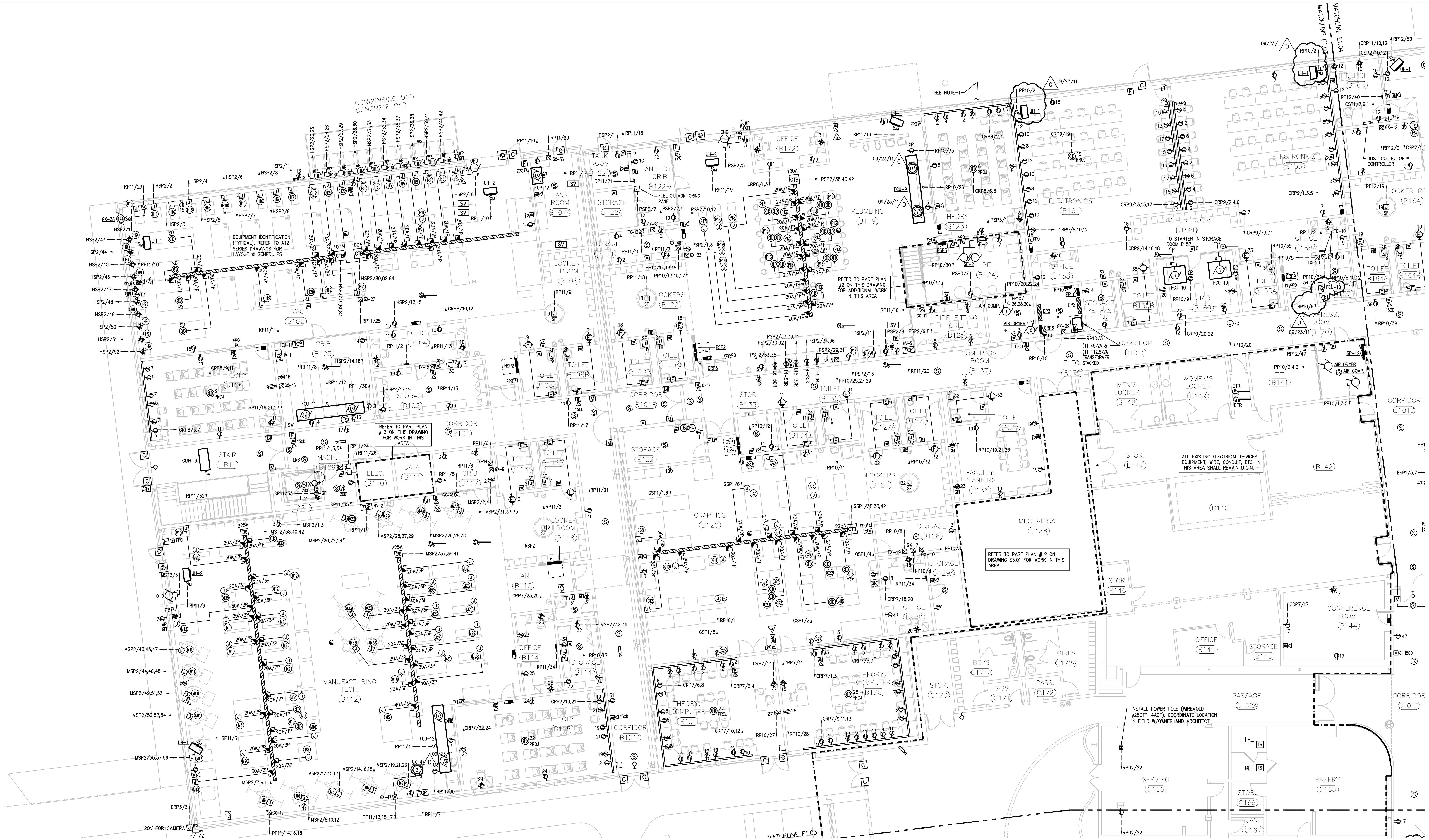


1 FIRST FLOOR PLAN - AREA "A"
E1.02 SCALE: 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



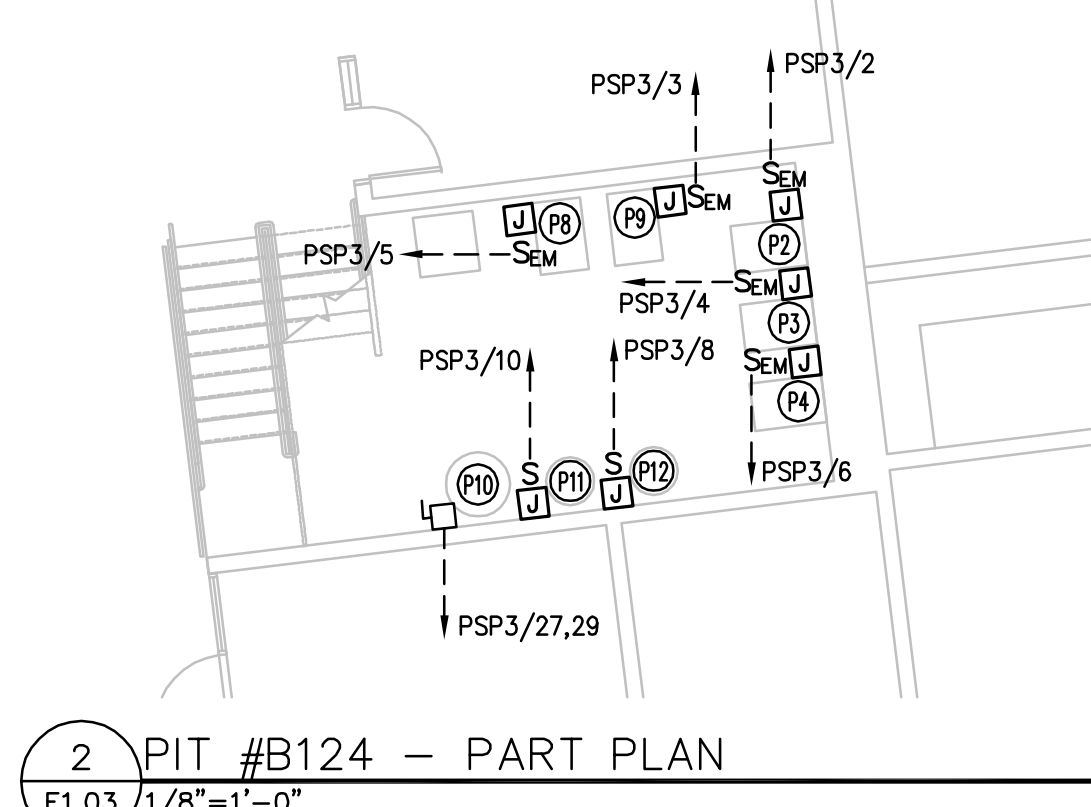
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "A"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	SEC
		Meriden, CT	Approved By
			RR
			Drawing No.
			E1.02
CAD No.		Project No.	
0532-E-PLAN-1		BR-RT-843	



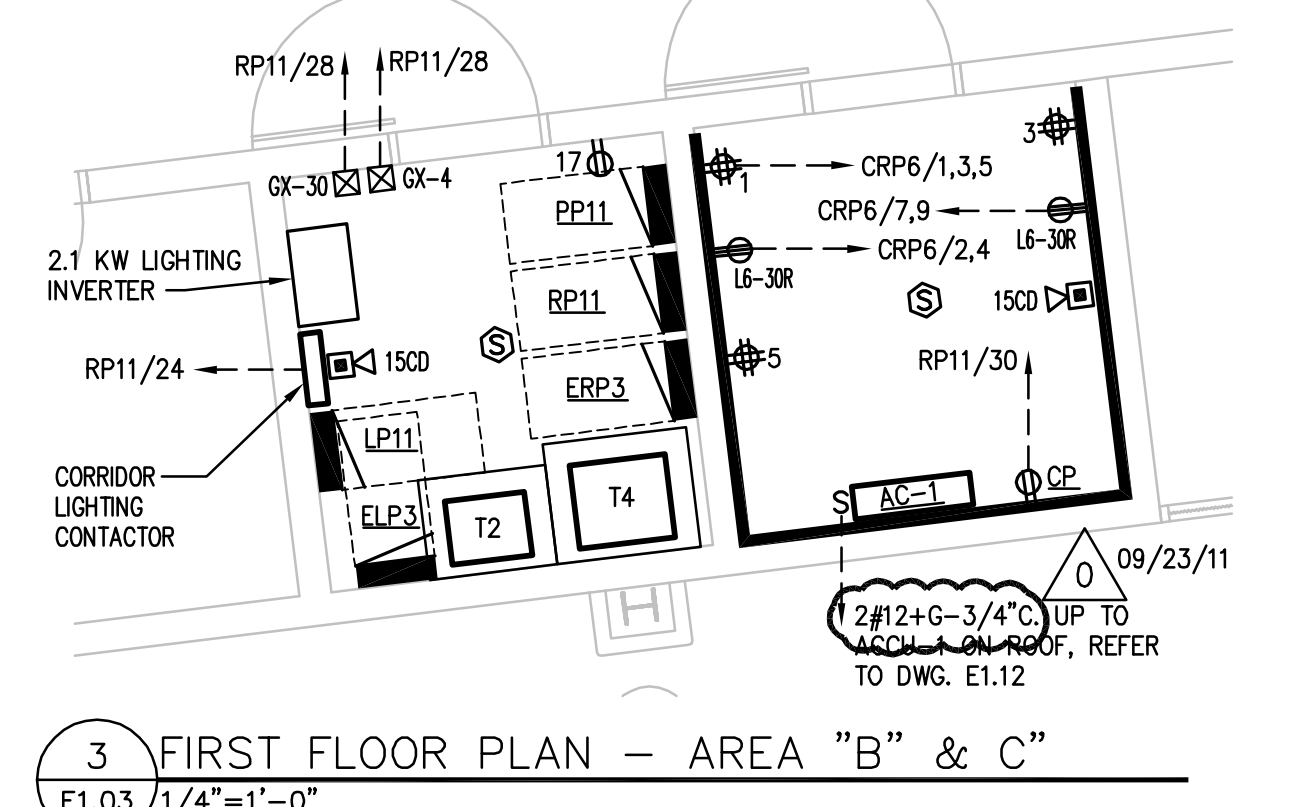
1 FIRST FLOOR PLAN - AREA "B" & "C"
E1.03 1/8"=1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL INSTALL AN EMPTY 1" CONDUIT FROM THE WELL TO PIT #B124, COORDINATE TERMINATION LOCATION WITH ARCHITECT.

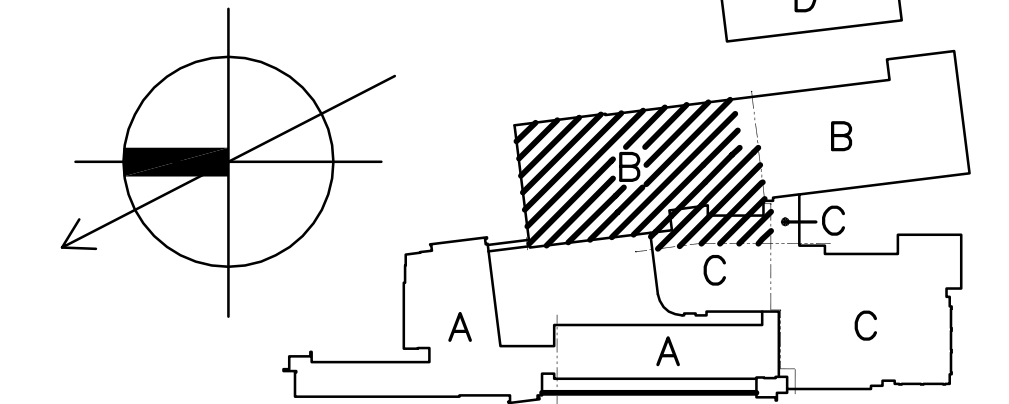


2 PIT #B124 - PART PLAN
E1.03 1/8"=1'-0"



3 FIRST FLOOR PLAN - AREA "B" & "C"
E1.03 1/4"=1'-0"

REFER TO DRAWING E3.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "B" & "C"		DEPARTMENT OF PUBLIC WORKS	
ELECTRICAL			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	SEC
		Approved By	RR
		Meriden, CT	Drawing No.
		Project No.	E1.03
		B-RT-843	
CAD No.		0532-E-PLAN-1	

3 COMPRESSOR ROOM PART PLAN
E1.04 1/4"=1'-0"

2 DATA CLOSET PART PLAN
E1.04 1/4"=1'-0"

1 FIRST FLOOR PLAN - AREA "B" & "C"
E1.04 1/8"=1'-0"



EXISTING 3000 AMP SWITCHBOARD TO REMAIN

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

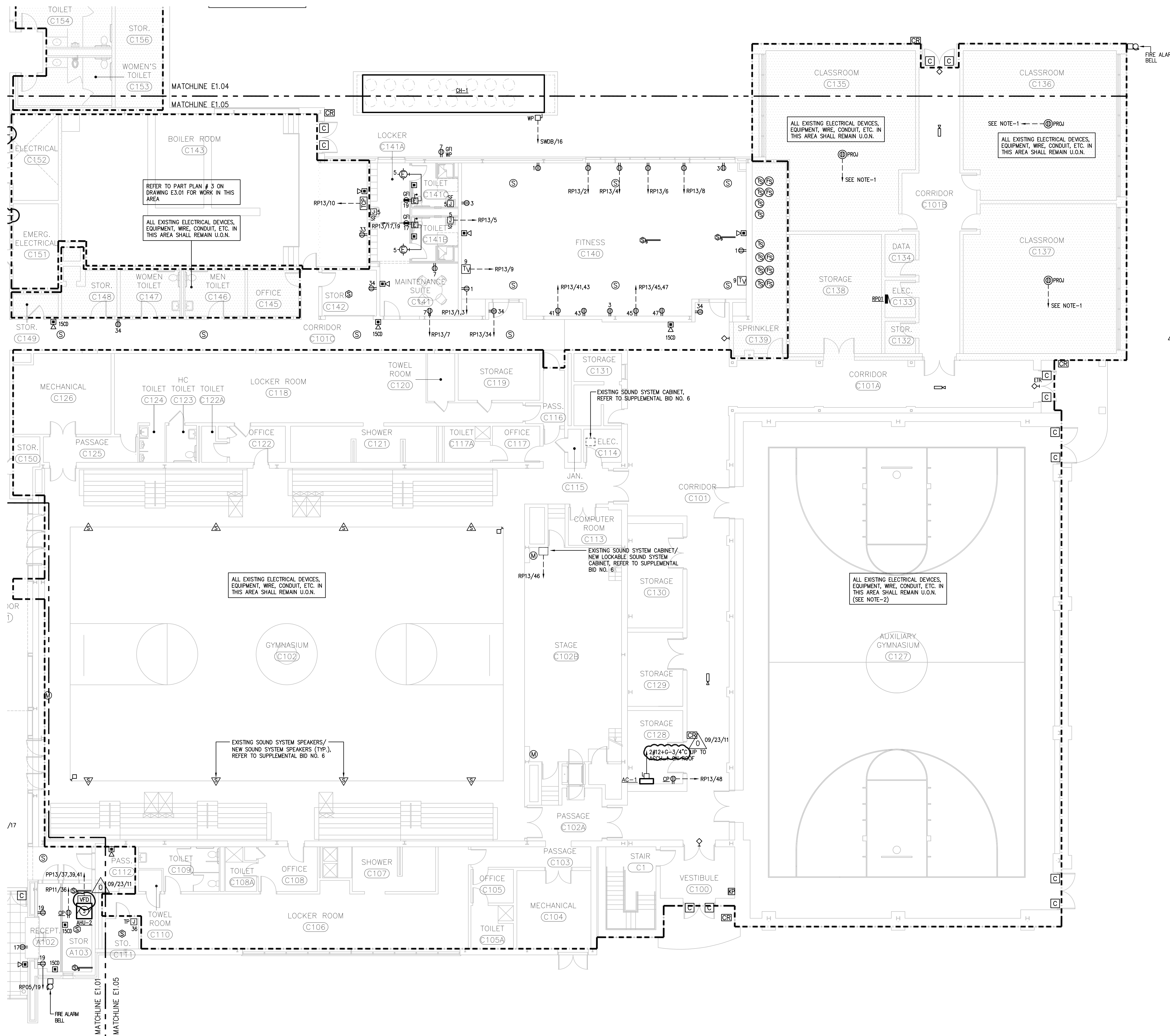
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

E.C. SHALL PROVIDE (2) 20A-1P 120V CIRCUITS DOWN INTO THE MIXING ROOM FOR POWER TO GUN CLEANER AND RECYCLER. COORDINATE EXACT LOCATION AND TERMINATION WITH OWNER

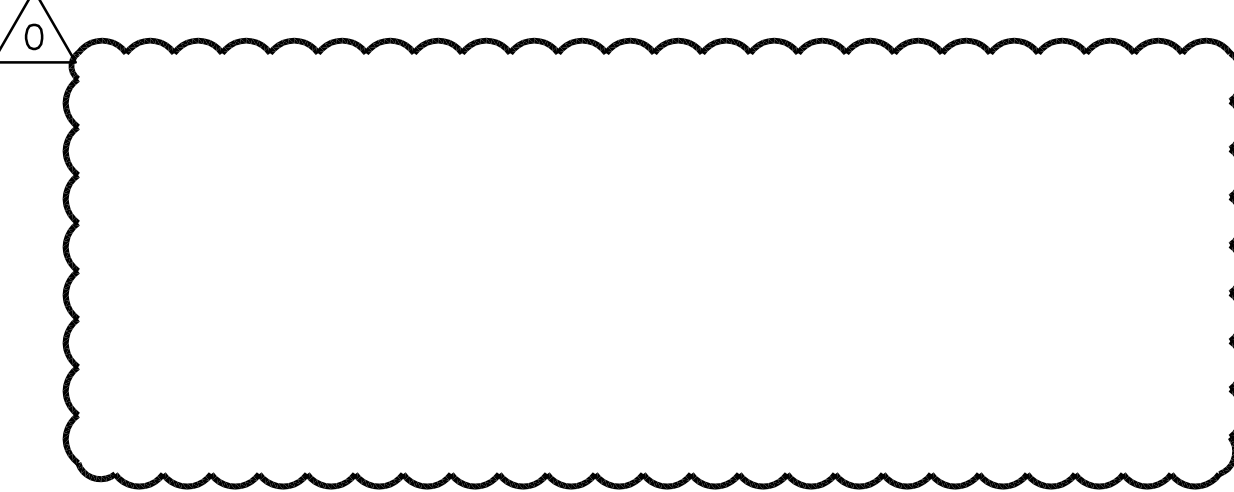
ALL ELECTRICAL DEVICES, BOXES, CONDUIT, ETC. IN THIS AREA UP TO 10'-0" ABOVE FLOOR SHALL BE RATED FOR CLASS I, DIV. II

REFER TO PART PLAN # 3 ON THIS SHEET FOR ADDITIONAL WORK IN THIS AREA

REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0" Drawn By SEC Approved By RRR Drawing No.
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Project No. B-RT-843 E1.04
CAD No.	0532-E-PLAN-1		

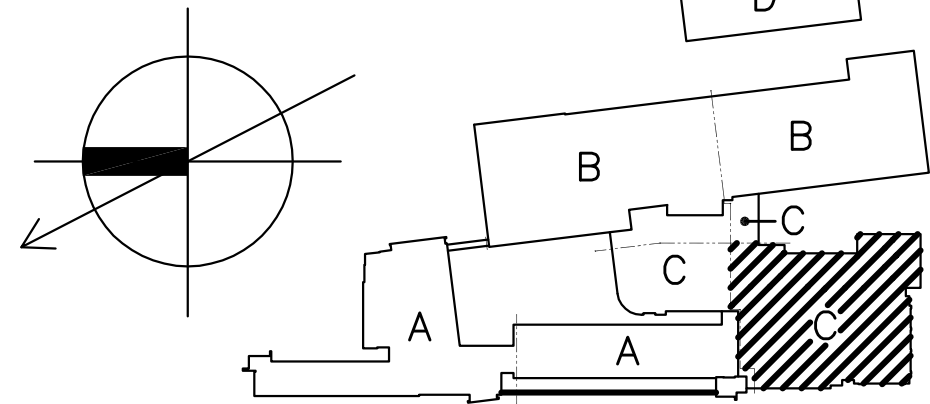


- ### GENERAL NOTES
- CONTRACTOR SHALL FIELD VERIFY WHETHER A DUPLEX RECEPTACLE WAS INSTALLED ABOVE THE CEILING IN CLASSROOM'S #135, 136 & 137 FROM THE 2001 ADDITION. IF THEY ARE INSTALLED EXTEND TO NEW PROJECTOR MOUNTING BRACKET. IF THEY ARE NOT INSTALLED, CONTRACTOR SHALL INSTALL A NEW DUPLEX RECEPTACLE IN NEW PROJECTOR MOUNT TO A SPARE 20 AMP 1 POLE CIRCUIT BREAKER IN PANEL "RPO1" FOR EACH CLASSROOM.
 - CONTRACTOR SHALL ROTATE ALL THE EXISTING SPEAKERS IN THE AUXILIARY GYMNASIUM 90 DEGREES, SO THEY DON'T FACE THE WALLS. COORDINATE EXACT DIRECTION OF SPEAKERS WITH G.F. WRUCK, INSTRUCTOR (H.C. WILCOX).

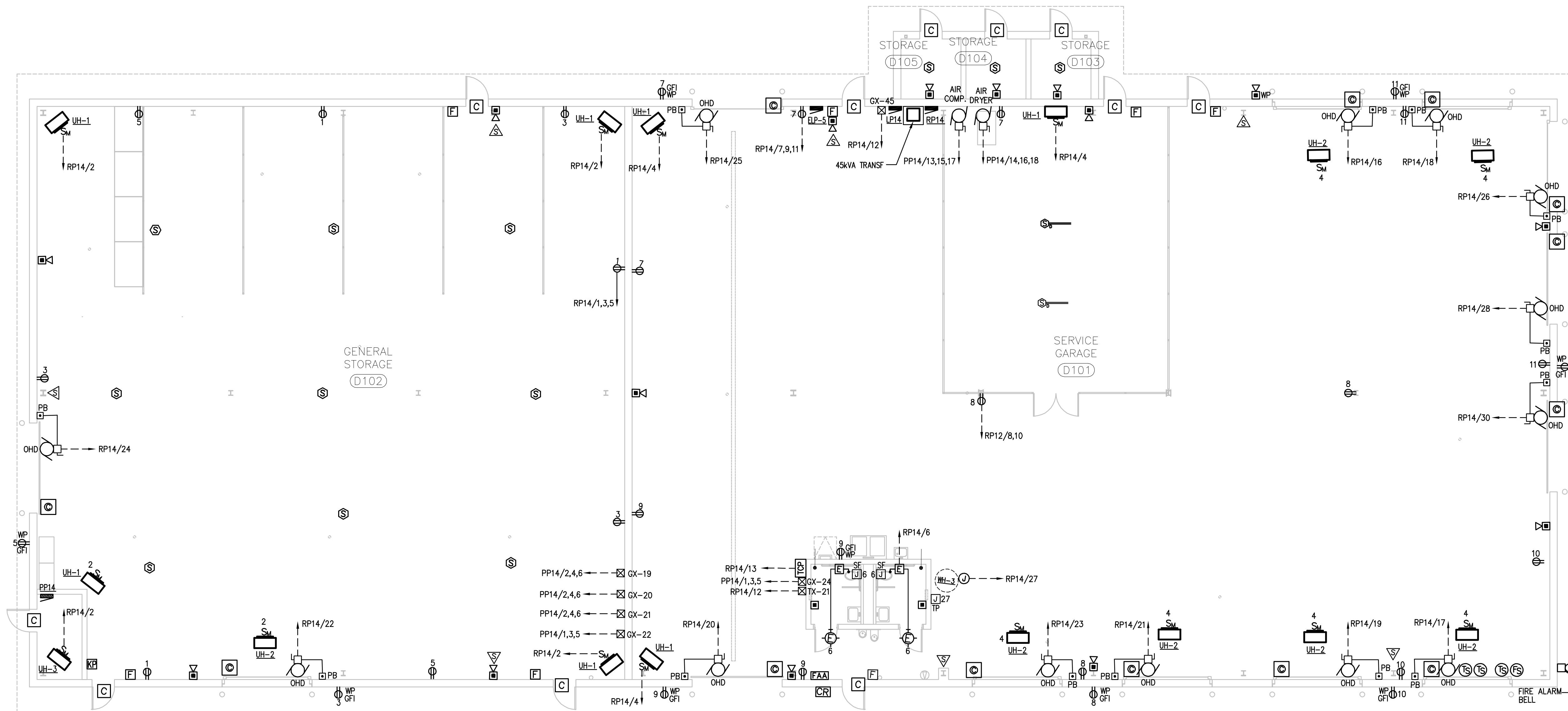


1 FIRST FLOOR PLAN - AREA "C"
E1.05 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

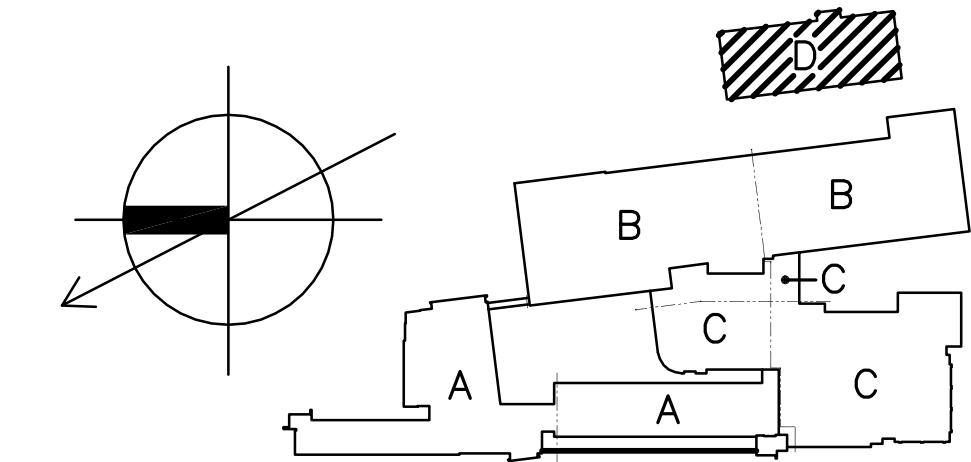


Drawing Title FIRST FLOOR PLAN - AREA "C" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Mark	REVISD: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Approved By RR	Drawn By SEC
		Project No. B-RT-843	Approved By RR
CAD No. 0532-E-PLAN-1			Drawing No. E1.05



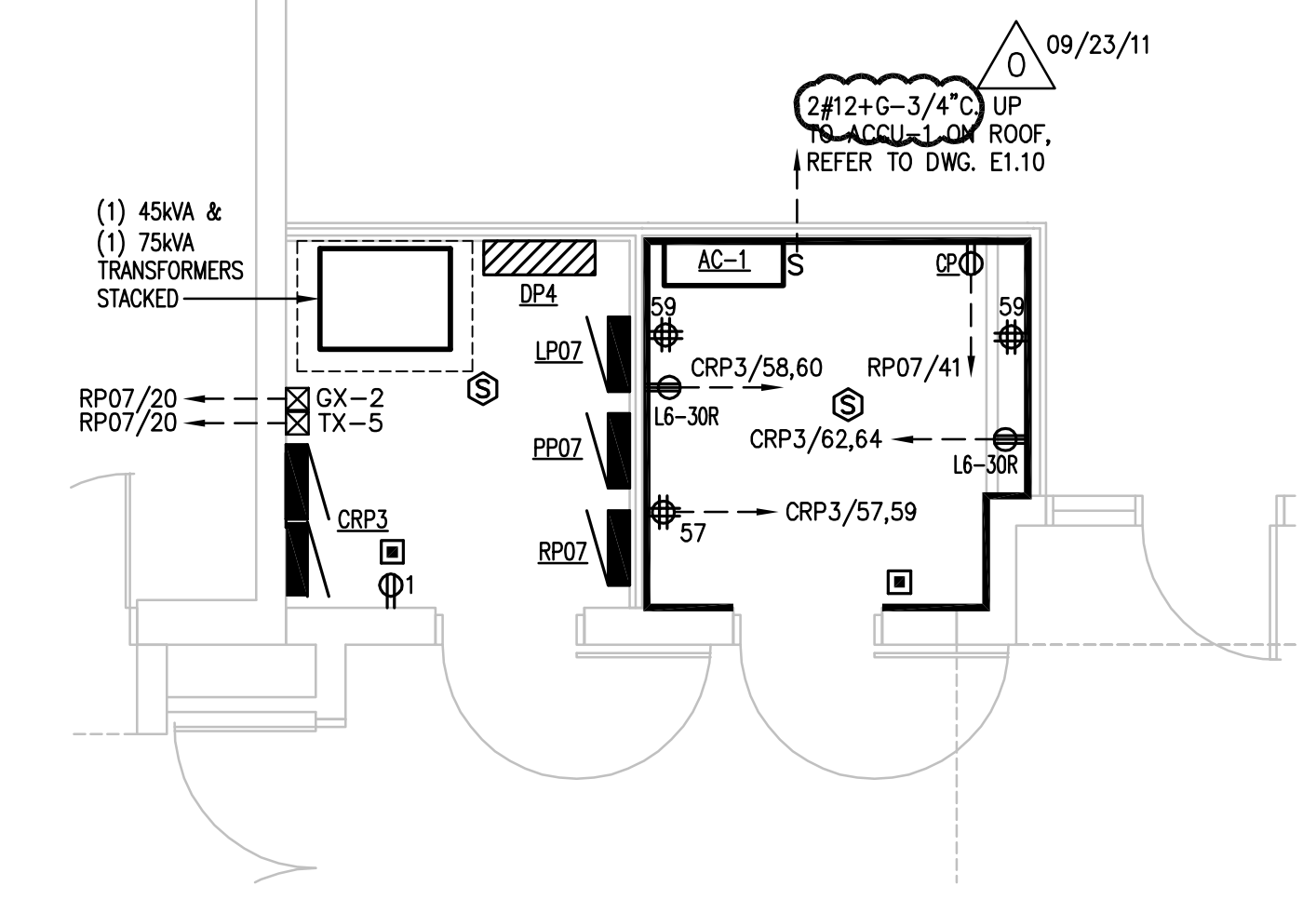
1 FIRST FLOOR PLAN - AREA "D"
E1.06 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

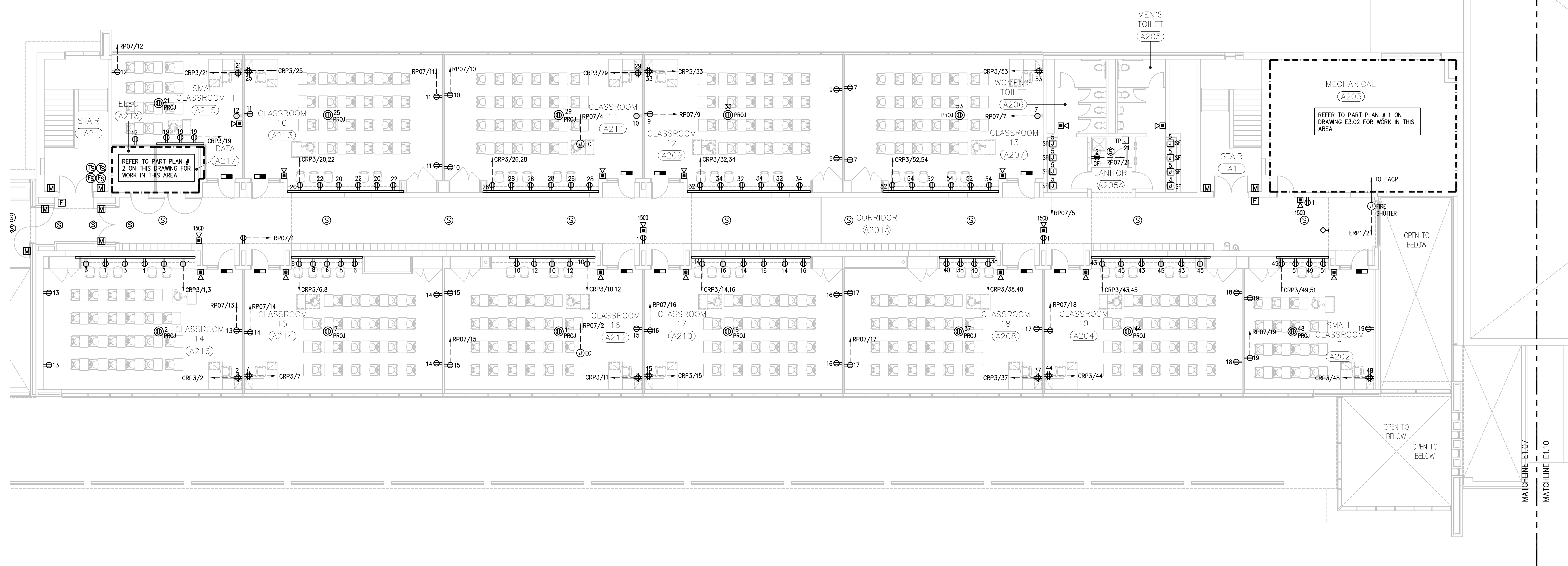


Drawing Title FIRST FLOOR PLAN - AREA "D" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No.
CAD No. 0532-E-PLAN-1		Project No. B-RT-843	E1.06

MATCHLINE E1.09
MATCHLINE E1.07

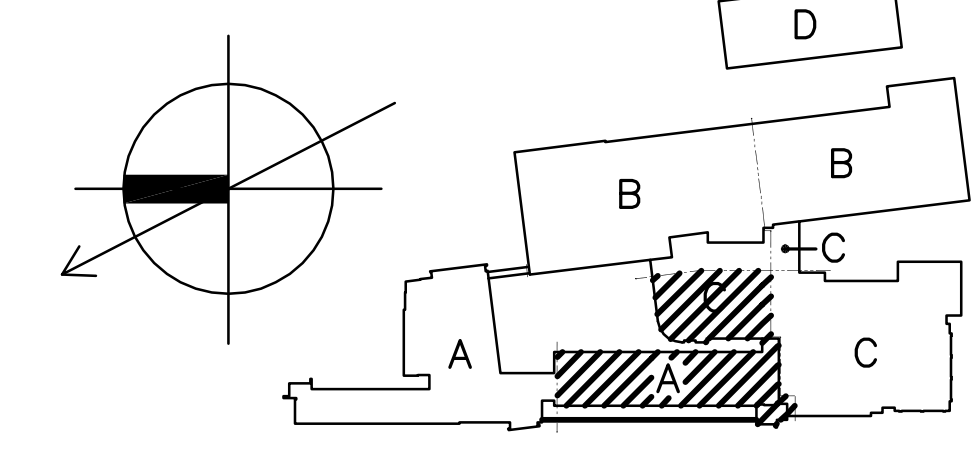


2 DATA CLOSET/ELECTRIC RM. PART PLAN
E1.07 1/4" = 1'-0"

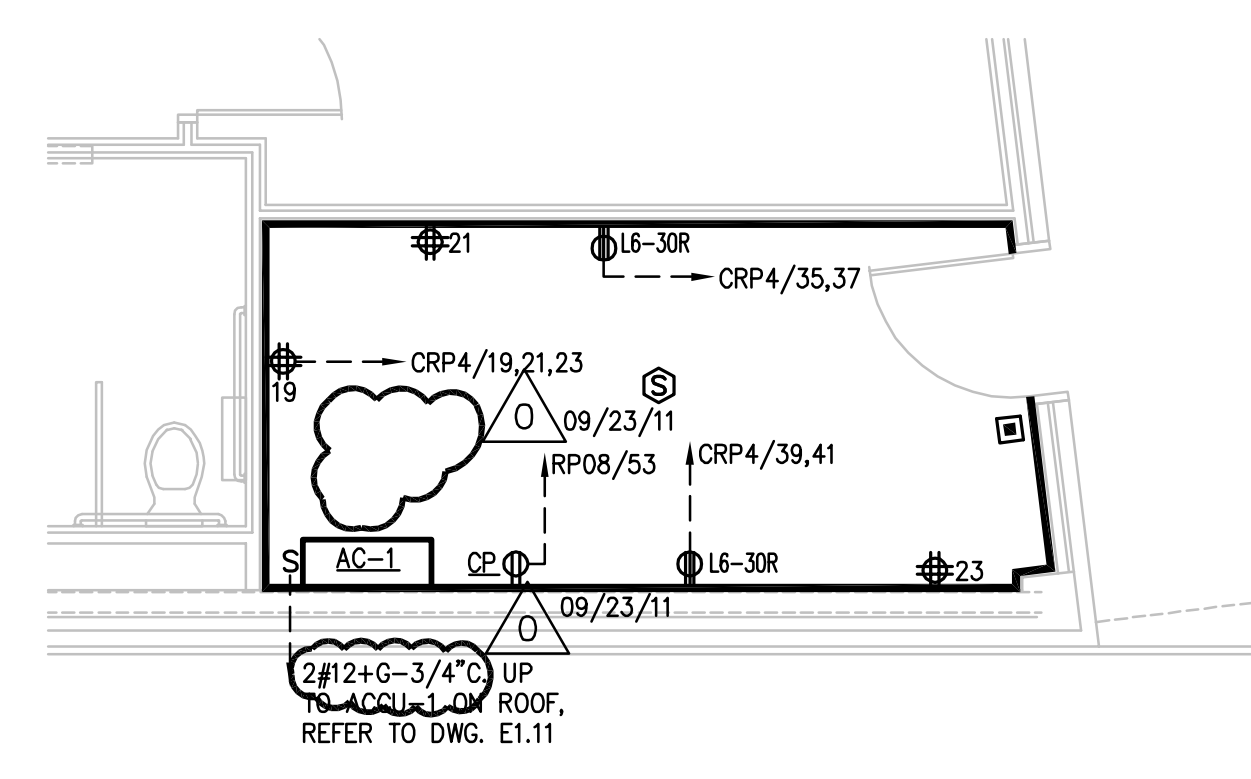


1 SECOND FLOOR PLAN - AREA "A" & "C"
E1.07 1/8" = 1'-0"

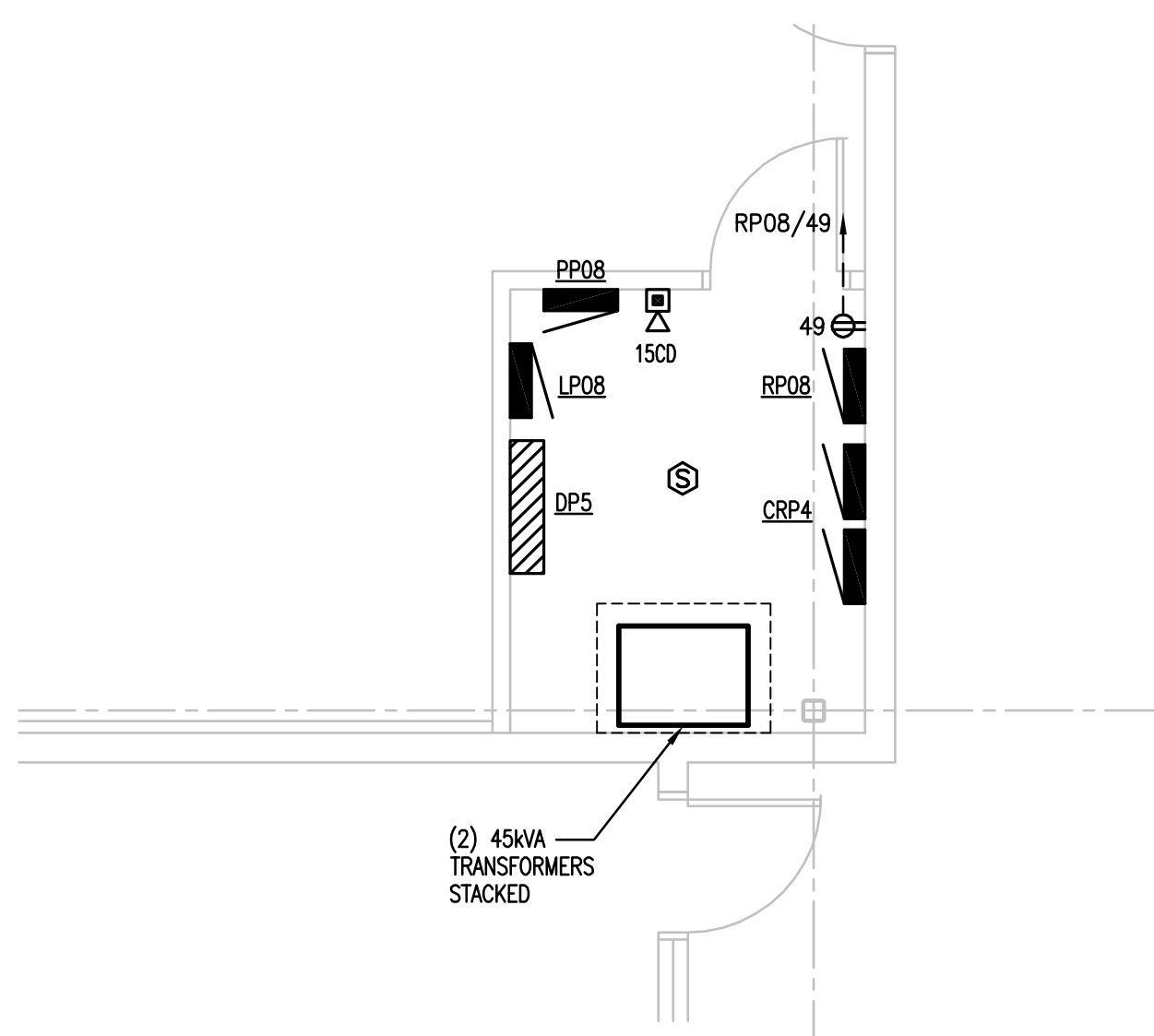
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



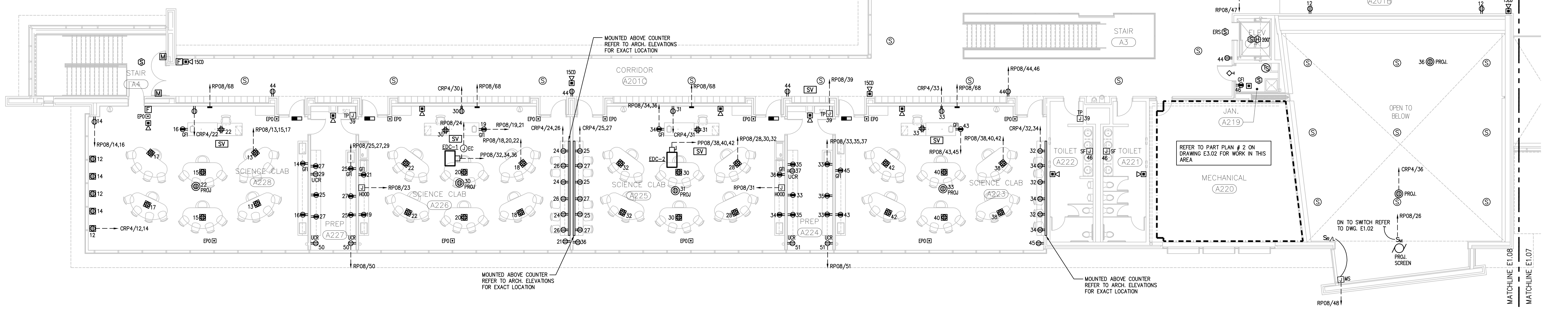
REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISOR	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No. E1.07
CAD No. 0532-E-PLAN-2		Project No. BI-RT-843	



2 DATA CLOSET A230 PART PLAN
E1.08 1/4" = 1'-0"

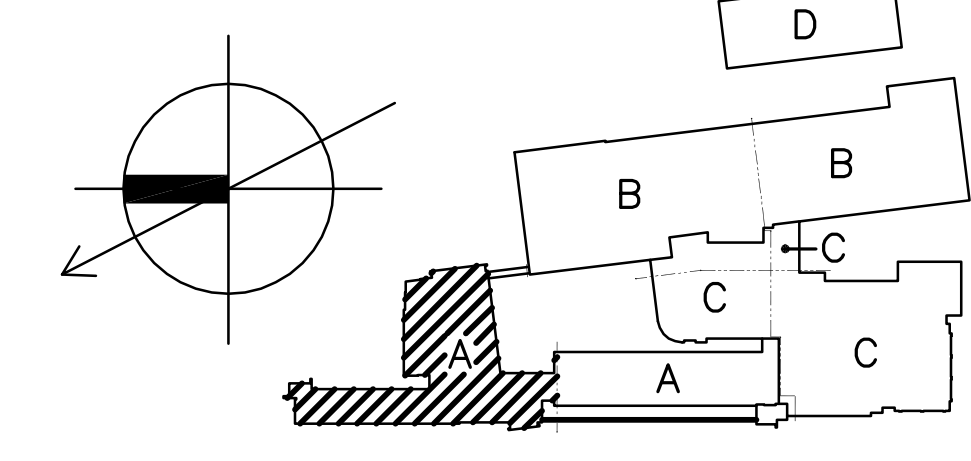


3 ELEC. CLOSET A237 PART PLAN
E1.08 1/4" = 1'-0"

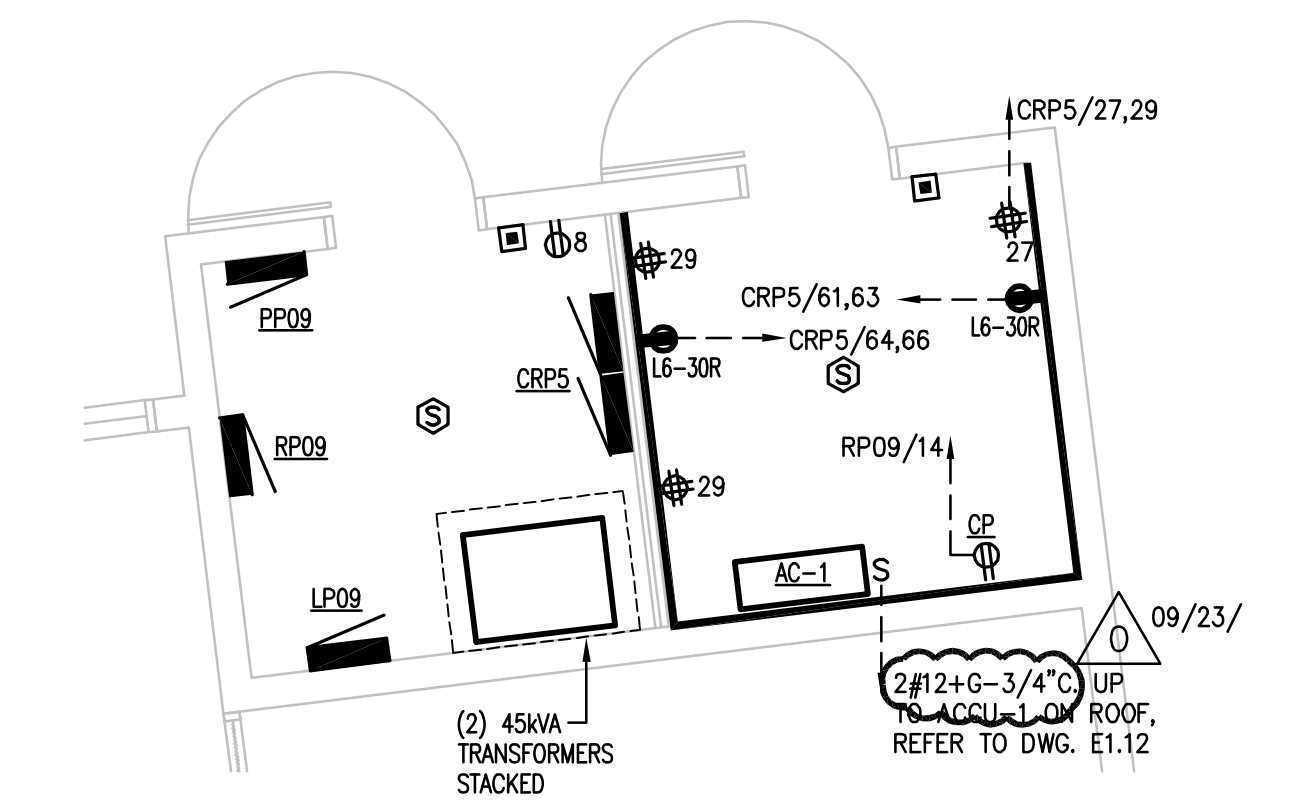
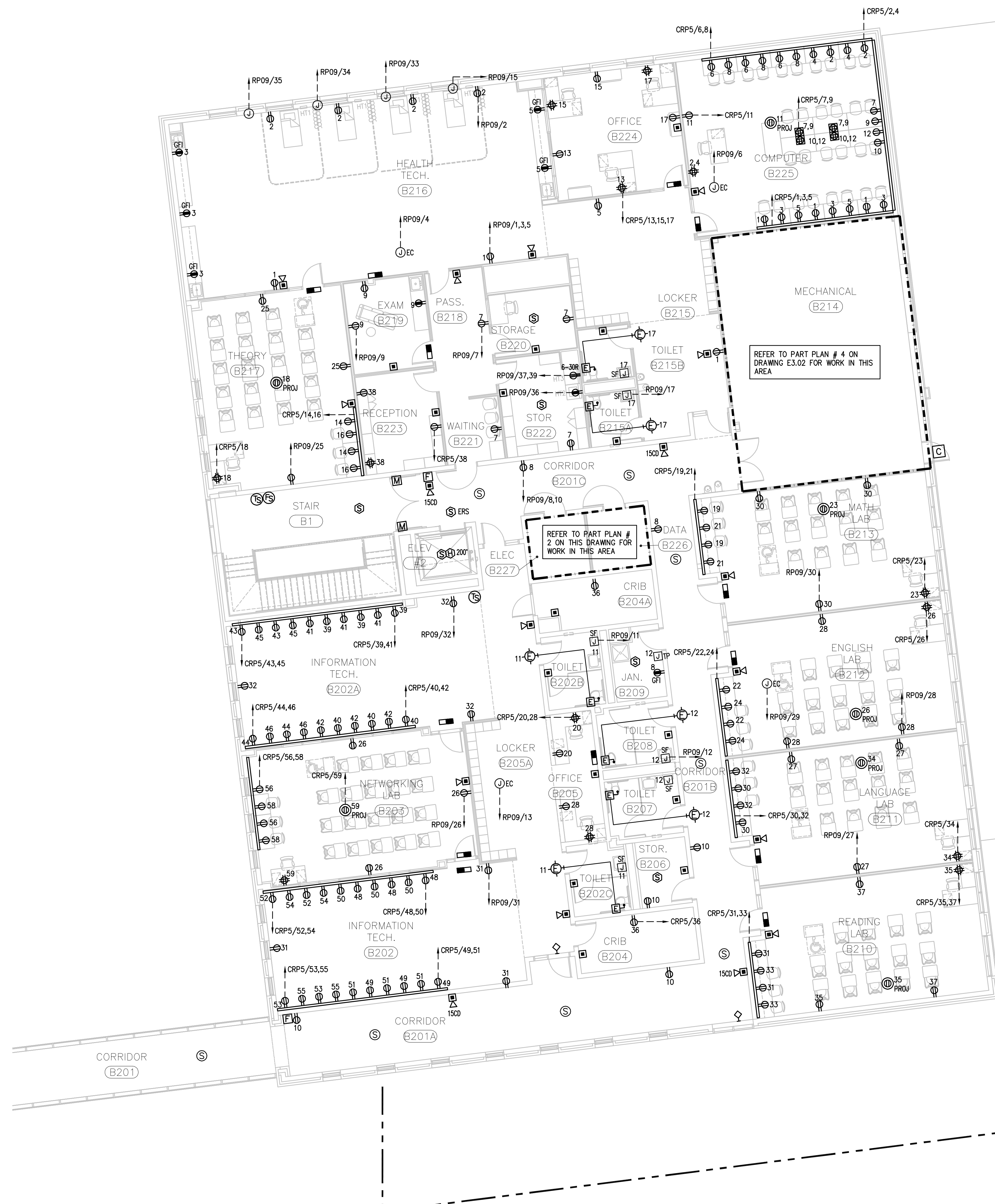


1 SECOND FLOOR PLAN - AREA "A"
E1.08 1/8" = 1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Δ	REVISED: 06/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RRR Drawing No. E1.08
CAD No. 0532-E-PLAN-2		Project No. BI-RT-843	

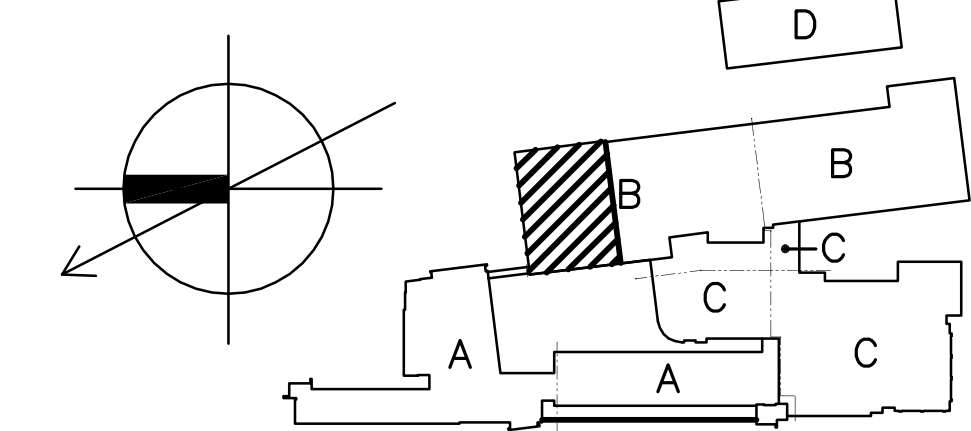


2 SECOND FLOOR DATA CLOSET PART PLAN
E1.09 1/4" = 1'-0"

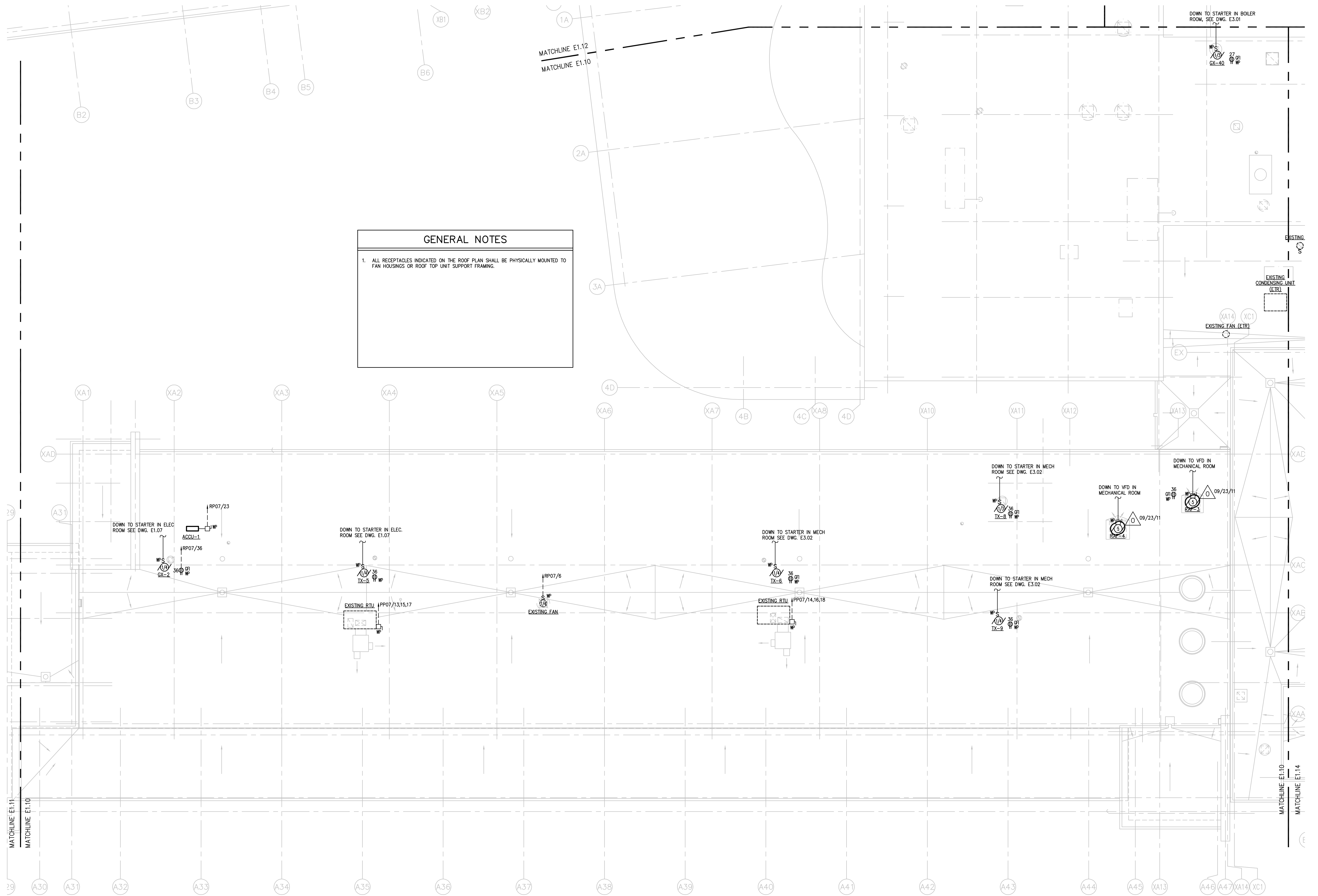
1 SECOND FLOOR PLAN - AREA "B"
E1.09 1/8" = 1'-0"

MATCHLINE E1.09
MATCHLINE E1.07

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title SECOND FLOOR PLAN - AREA "B" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tol Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark	REVISIONS	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No. E1.09
Δ	REVISED: 09/09/2011	Project No. B-RT-843	
CAD No. 0532-E-PLAN-2			

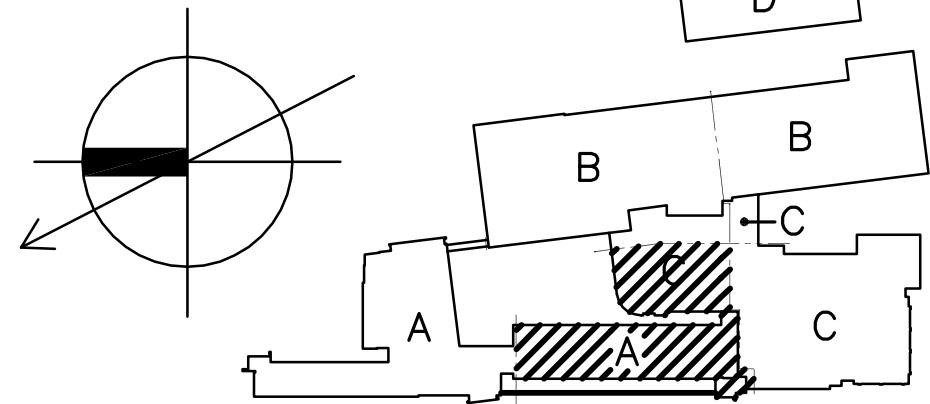


GENERAL NOTES

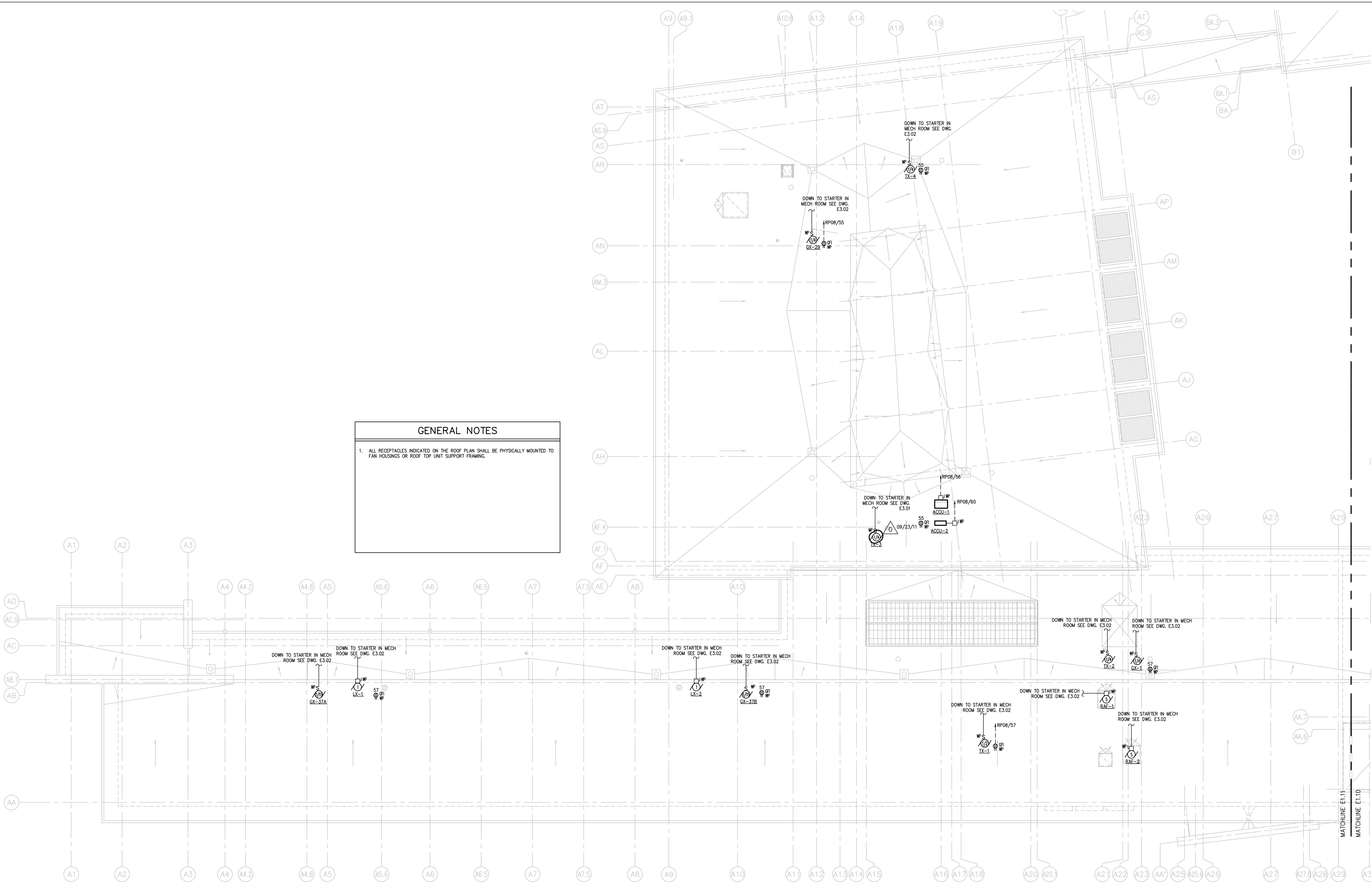
1. ALL RECEPTACLES INDICATED ON THE ROOF PLAN SHALL BE PHYSICALLY MOUNTED TO FAN HOUSINGS OR ROOF TOP UNIT SUPPORT FRAMING.

1 ROOF PLAN - AREA "A" & "C"
E1.10 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF PLAN - AREA "A" & "C" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark	REVISD: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC/GTC Approved By RR Drawing No. E1.10
CAD No. XXXXX		Project No. BI-RT-843	

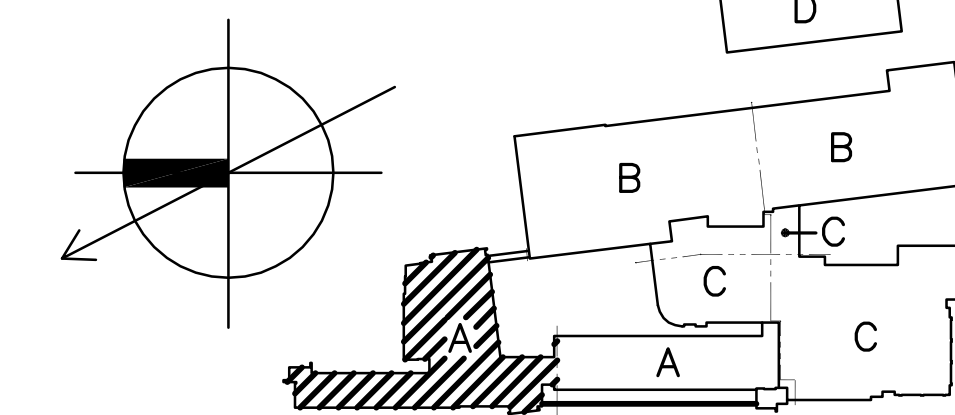


GENERAL NOTES

1. ALL RECEPTACLES INDICATED ON THE ROOF PLAN SHALL BE PHYSICALLY MOUNTED TO FAN HOUSINGS OR ROOF TOP UNIT SUPPORT FRAMING.

1 ROOF PLAN — AREA "A"
E1.11 1/8"=1'-0"

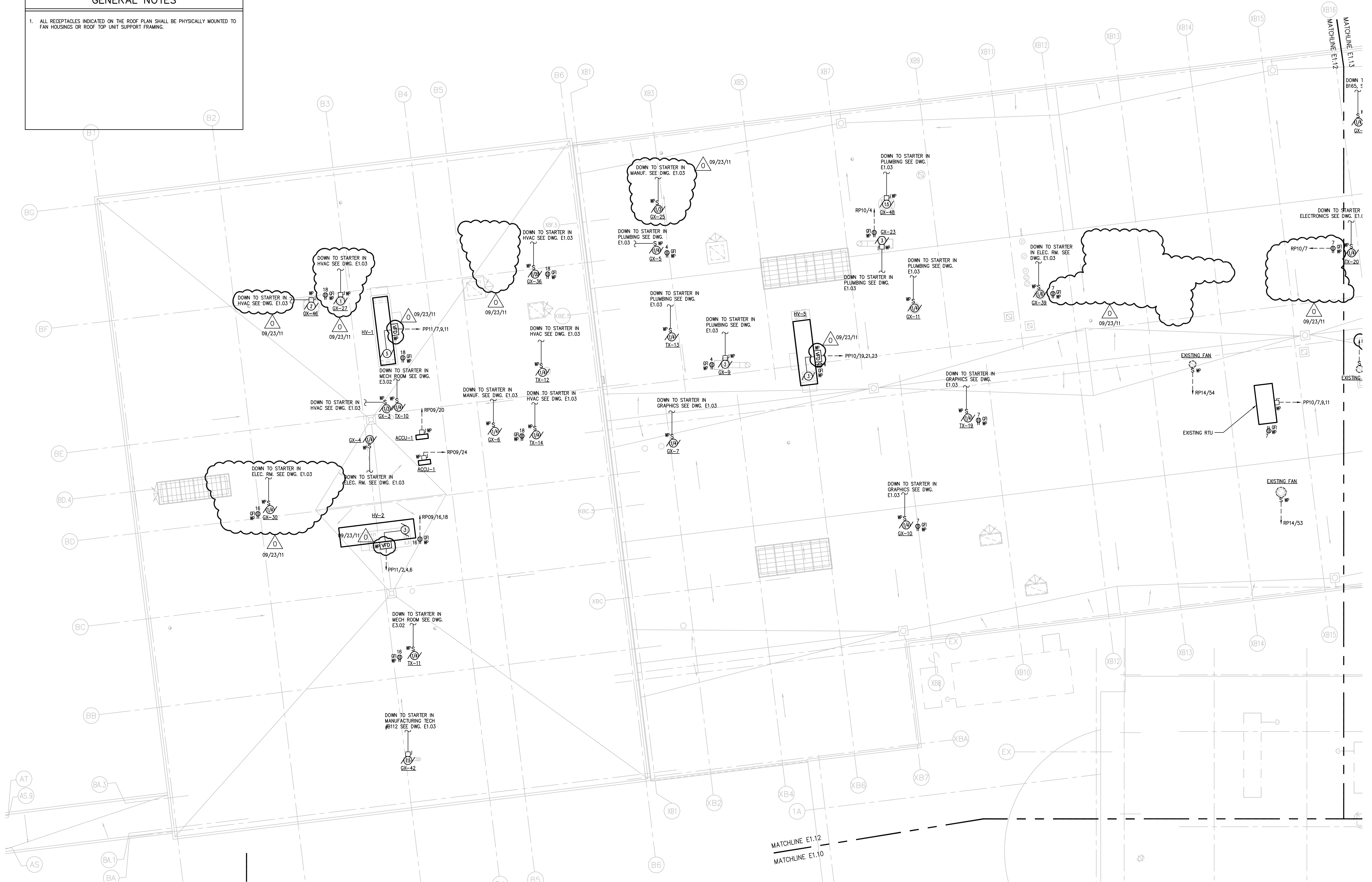
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF PLAN — AREA "A" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark	REVISIONS	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC/GTG Approved By RR
Δ	REVISED: 09/09/2011	Project No. B1-RT-843	Drawing No. E1.11
CAD No. 0532-E-PLAN-1			

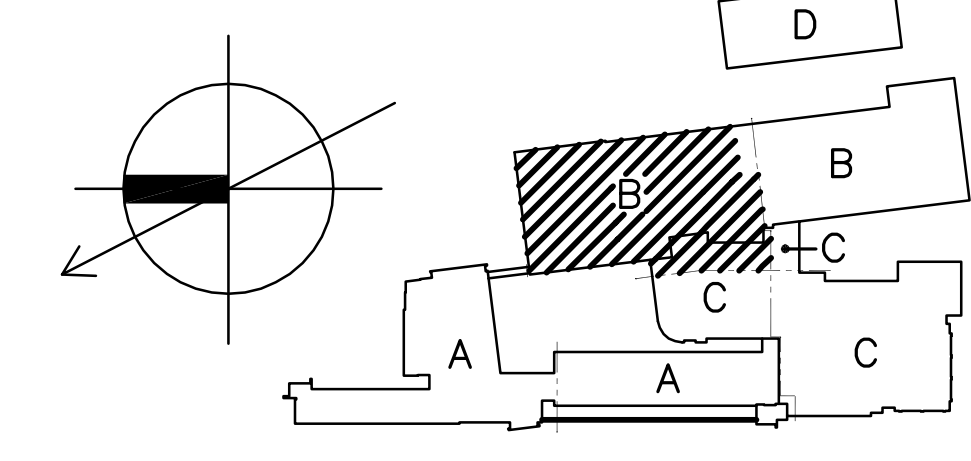
GENERAL NOTES

1. ALL RECEPTACLES INDICATED ON THE ROOF PLAN SHALL BE PHYSICALLY MOUNTED TO FAN HOUSINGS OR ROOF TOP UNIT SUPPORT FRAMING.



1 ROOF PLAN - AREA "B" & "C"
E1.12 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF PLAN - AREA "B" & "C" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By S.E.G./G.T.C. Approved By R.R.
CAD No. 0532-E-PLAN-1		Project No. BI-RT-843	Drawing No. E1.12

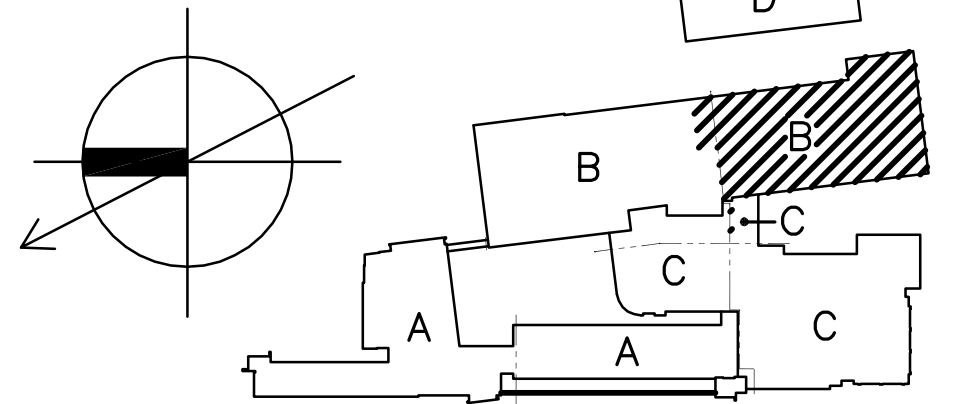
GENERAL NOTES

1. ALL RECEPTACLES INDICATED ON THE ROOF PLAN SHALL BE PHYSICALLY MOUNTED TO FAN HOUSINGS OR ROOF TOP UNIT SUPPORT FRAMING.

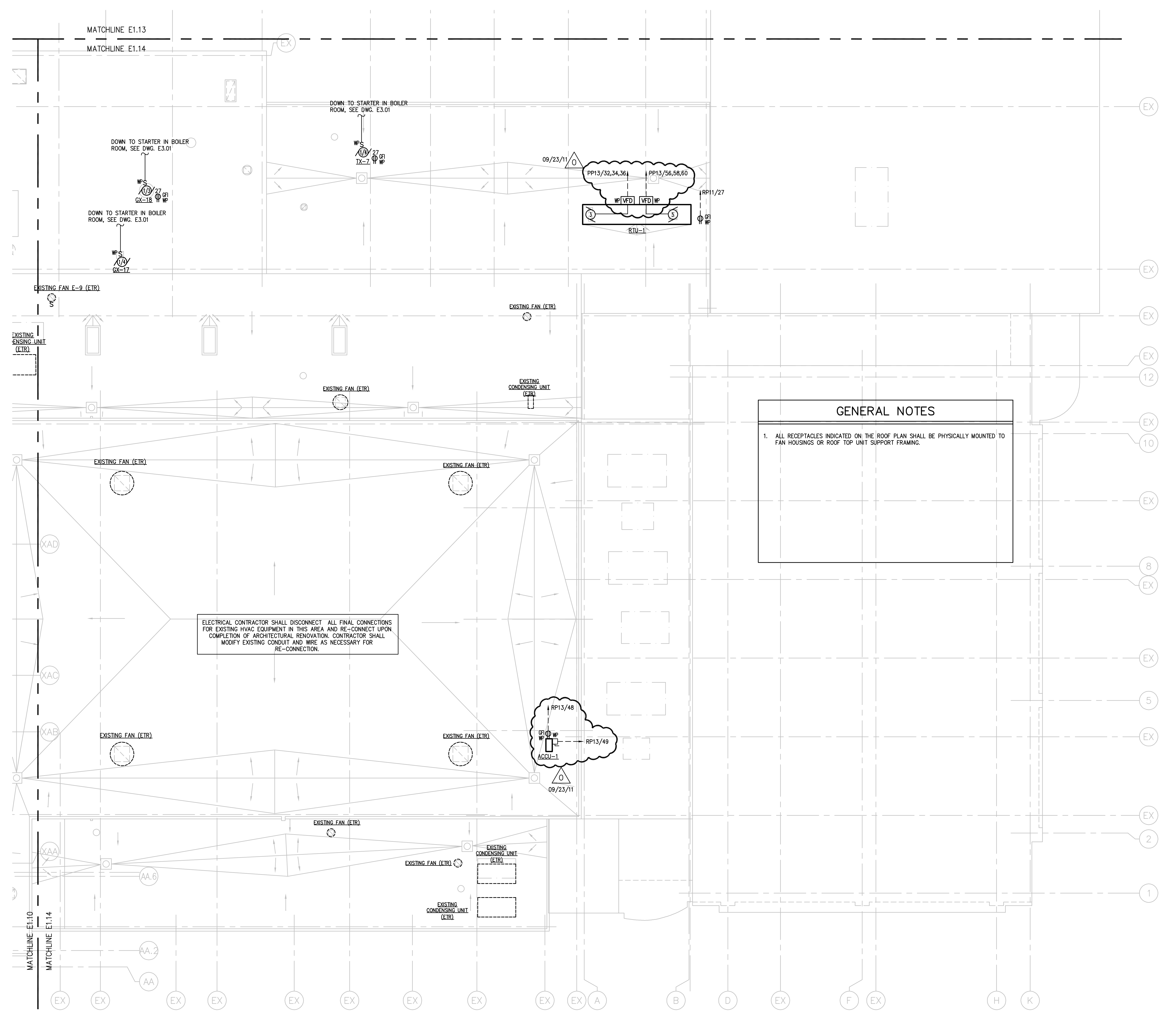


1 ROOF PLAN - AREA "B" & "C"
E1.13 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF PLAN - AREA "B" & "C" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark	REVISIONS	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC/GTC Approved By RR
Δ	REVISED: 09/09/2011	Project No. BI-RT-843	Drawing No. E1.1.3
CAD No. 0532-E-PLAN-1			



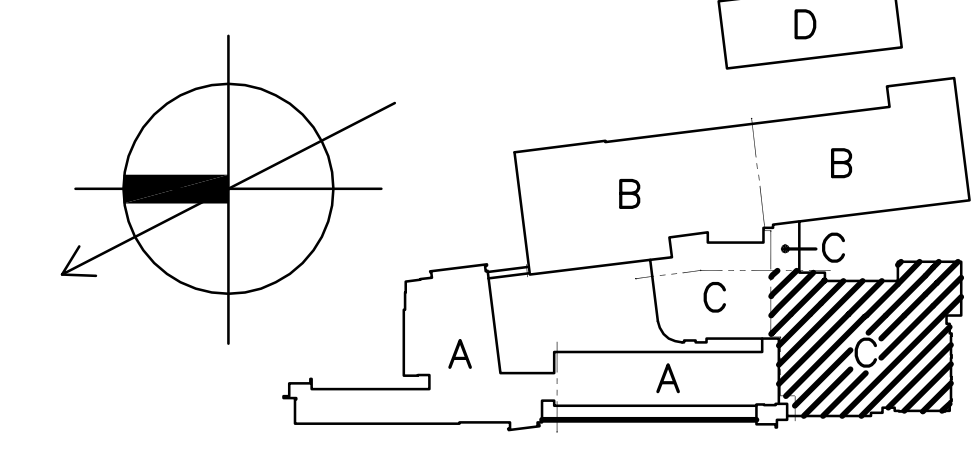
GENERAL NOTES

1. ALL RECEPTACLES INDICATED ON THE ROOF PLAN SHALL BE PHYSICALLY MOUNTED TO FAN HOUSINGS OR ROOF TOP UNIT SUPPORT FRAMING.

ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL FINAL CONNECTIONS FOR EXISTING HVAC EQUIPMENT IN THIS AREA AND RE-CONNECT UPON COMPLETION OF ARCHITECTURAL RENOVATION. CONTRACTOR SHALL MODIFY EXISTING CONDUIT AND WIRE AS NECESSARY FOR RE-CONNECTION.

1 ROOF PLAN -- AREA "C"
E1.14 1/8"=1'-0"

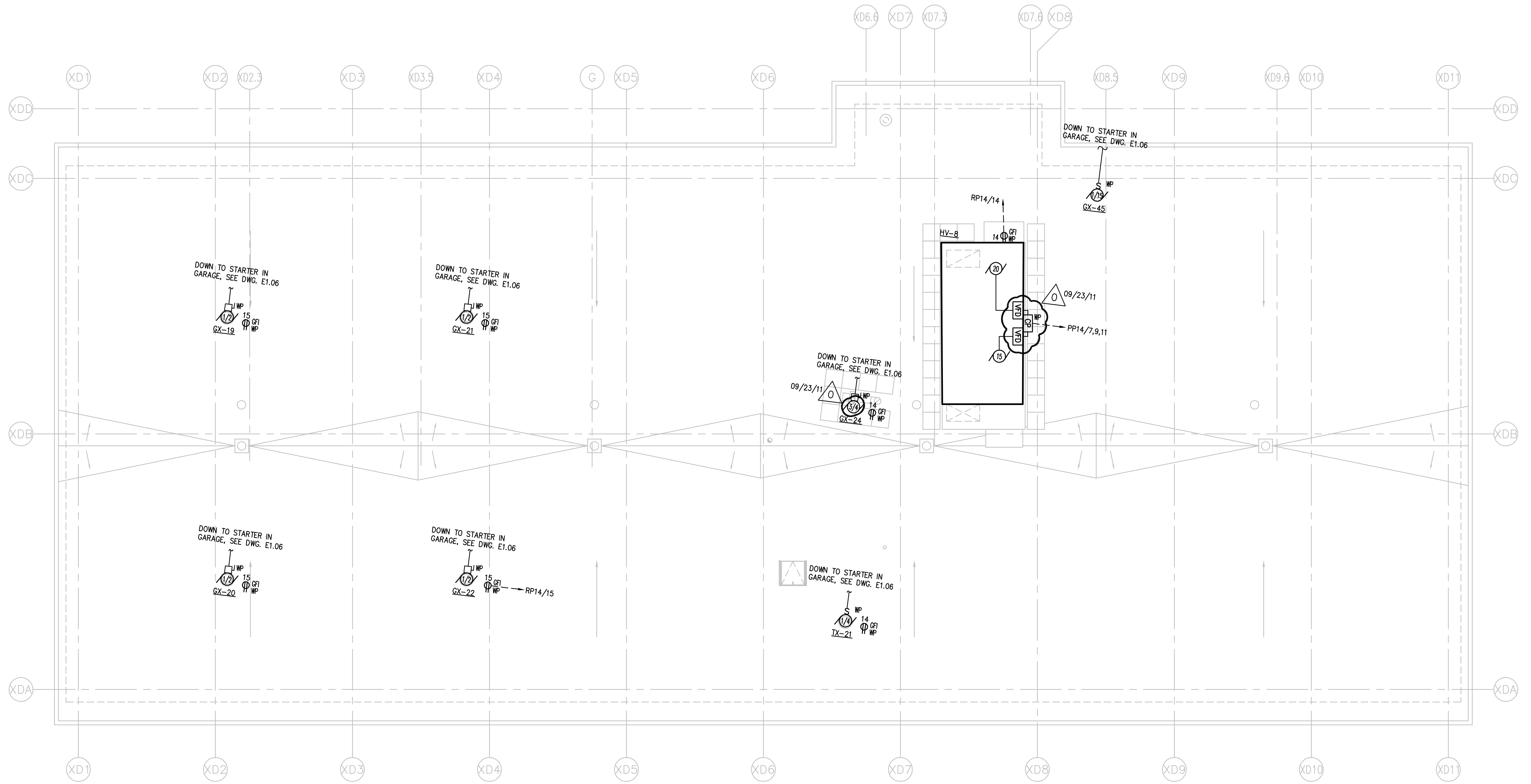
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF PLAN -- AREA "C" ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark	REVISD: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC/GTG Approved By RR Drawing No. E1.14
CAD No. 0532-E-PLAN-1		Project No. BI-RT-843	

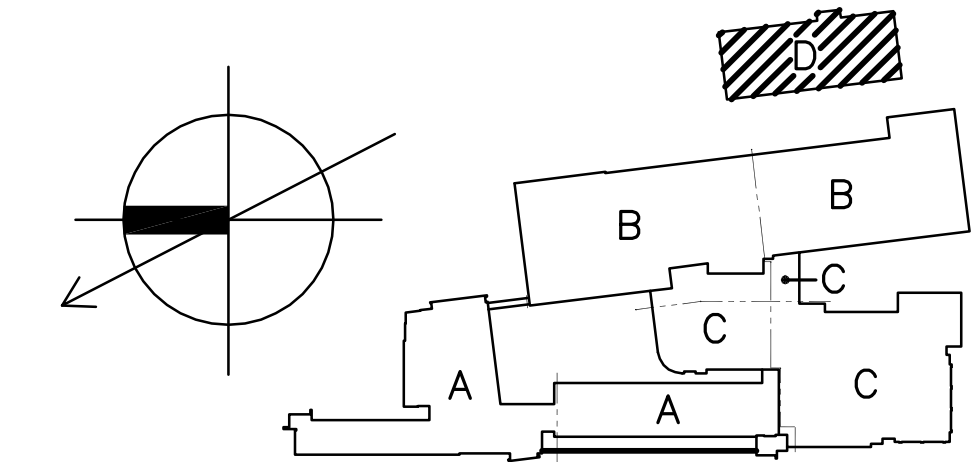
GENERAL NOTES

1. ALL RECEPTACLES INDICATED ON THE ROOF PLAN SHALL BE PHYSICALLY MOUNTED TO FAN HOUSINGS OR ROOF TOP UNIT SUPPORT FRAMING.

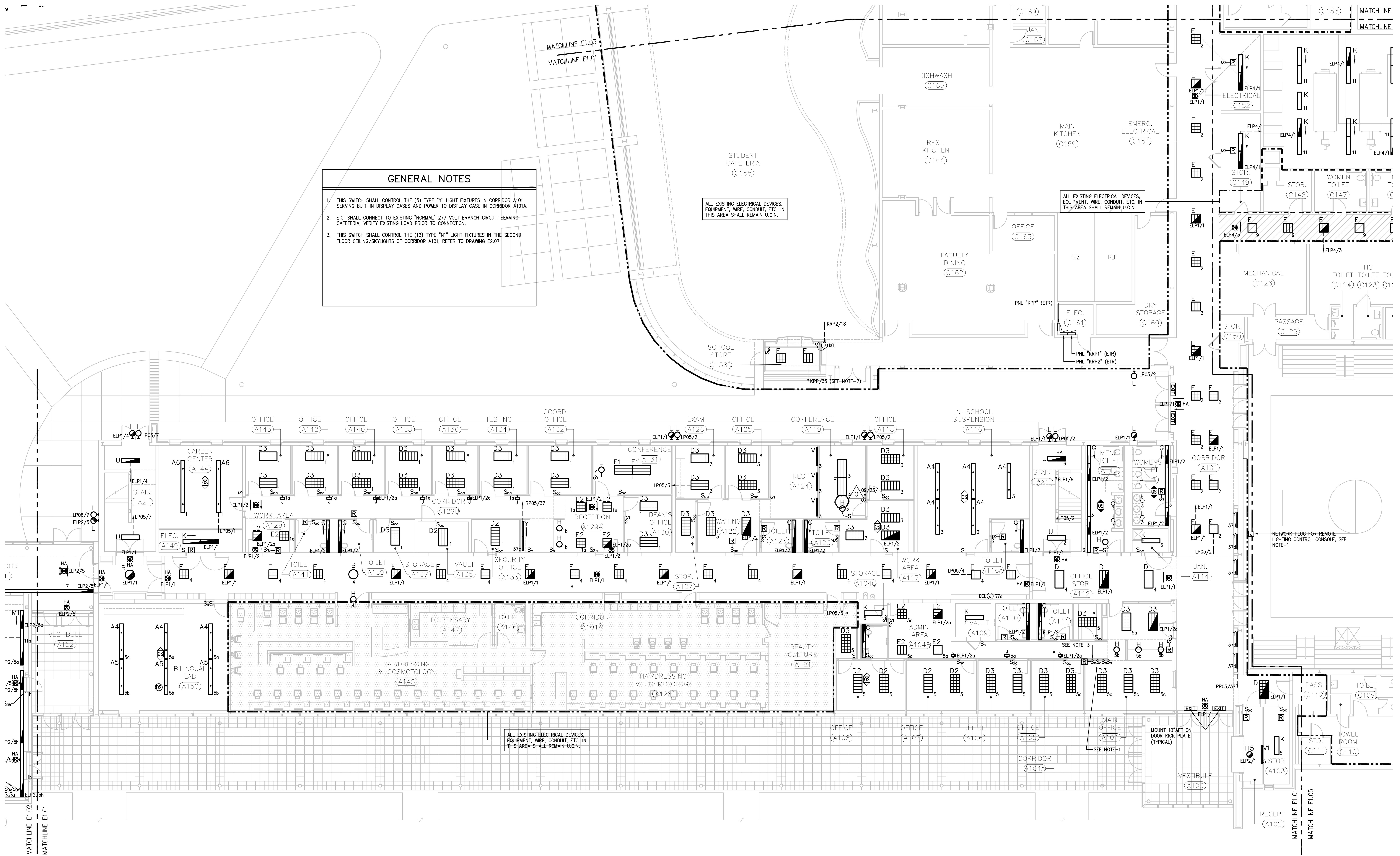


1 ROOF PLAN — AREA "D"
E1.15 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title ROOF PLAN AREA "D" — ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEG/GTG Approved By RR Drawing No. E1.15
CAD No. 0532-E-PLAN-1		Project No. BI-RT-843	



GENERAL NOTES

1. THIS SWITCH SHALL CONTROL THE (5) TYPE "Y" LIGHT FIXTURES IN CORRIDOR A101 SERVING BUT-IN DISPLAY CASES AND POWER TO DISPLAY CASE IN CORRIDOR A101A.
2. E.C. SHALL CONNECT TO EXISTING "NORMAL" 277 VOLT BRANCH CIRCUIT SERVING CAFETERIA. VERIFY EXISTING LOAD PRIOR TO CONNECTION.
3. THIS SWITCH SHALL CONTROL THE (12) TYPE "M" LIGHT FIXTURES IN THE SECOND FLOOR CEILING/SKYLIGHTS OF CORRIDOR A101. REFER TO DRAWING E2.07.

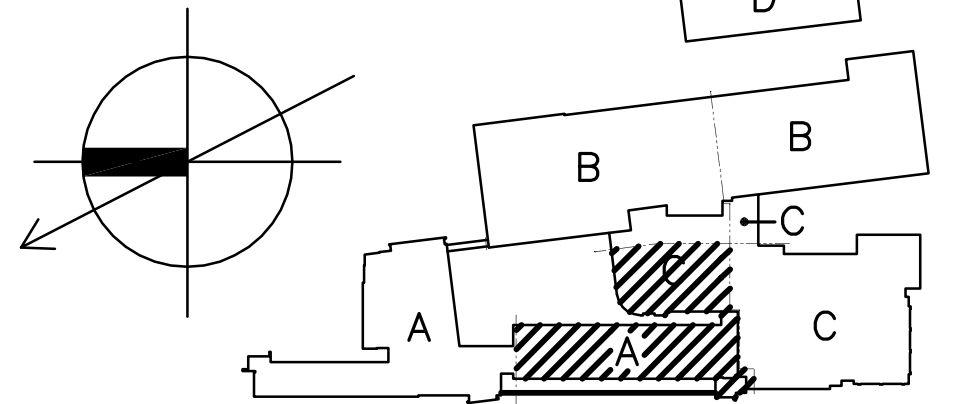
ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

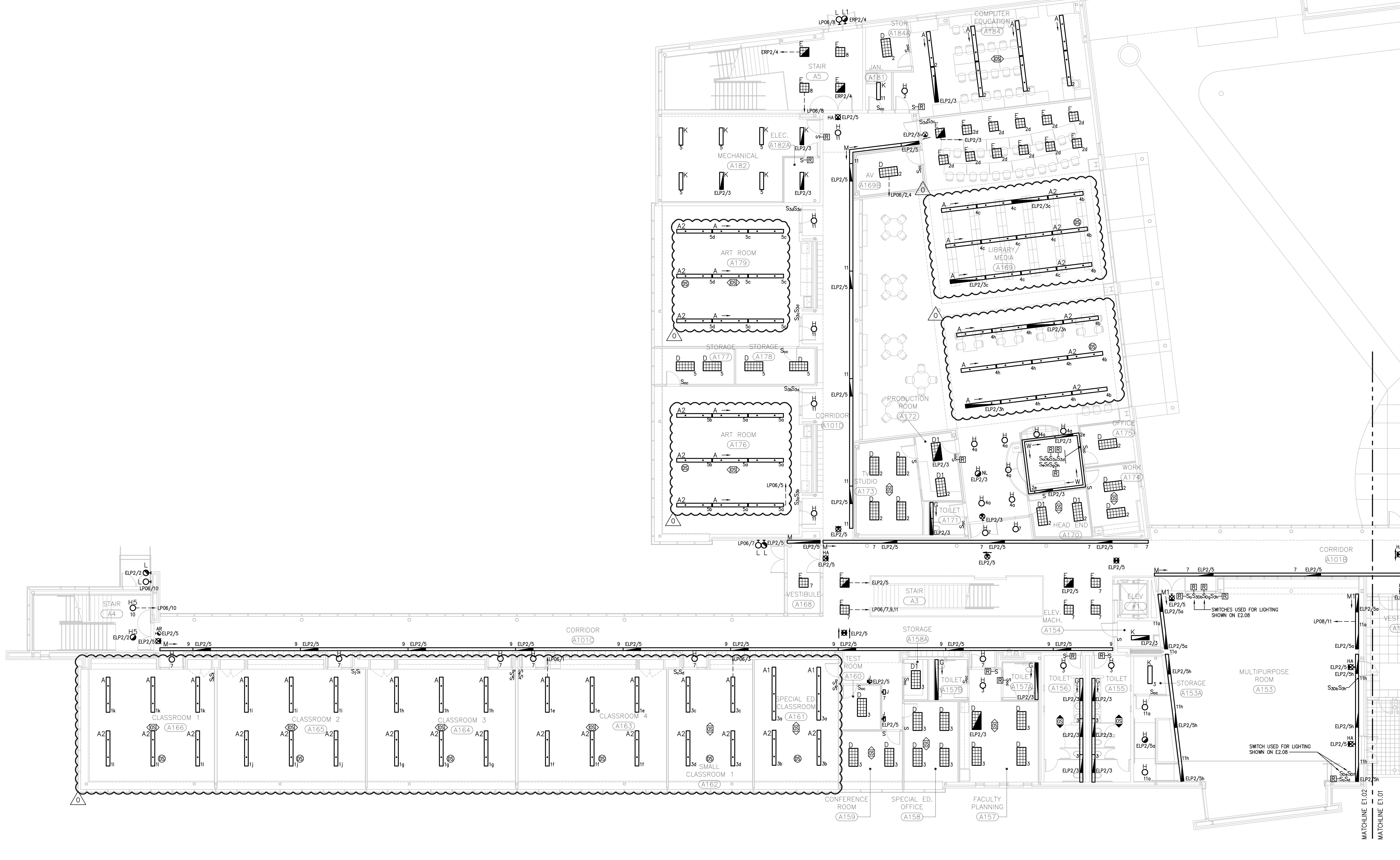
ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

1 FIRST FLOOR PLAN - AREA "A" & "C"
E2.01 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

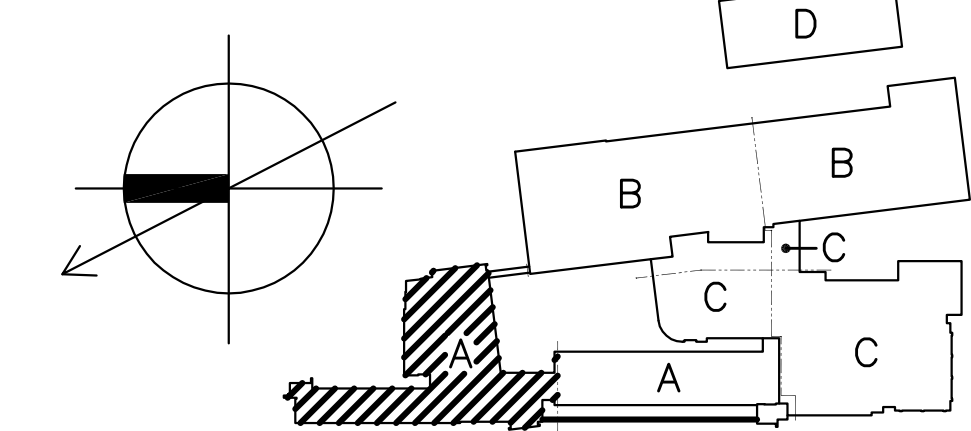


Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "A" & "C" LIGHTING		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	SEC
		Meriden, CT	Approved By
			RR
			Drawing No.
			E2.01
CAD No. 0532-E-PLAN-1		Project No. BI-RT-843	



1 FIRST FLOOR PLAN - AREA "A"
 E2.02 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



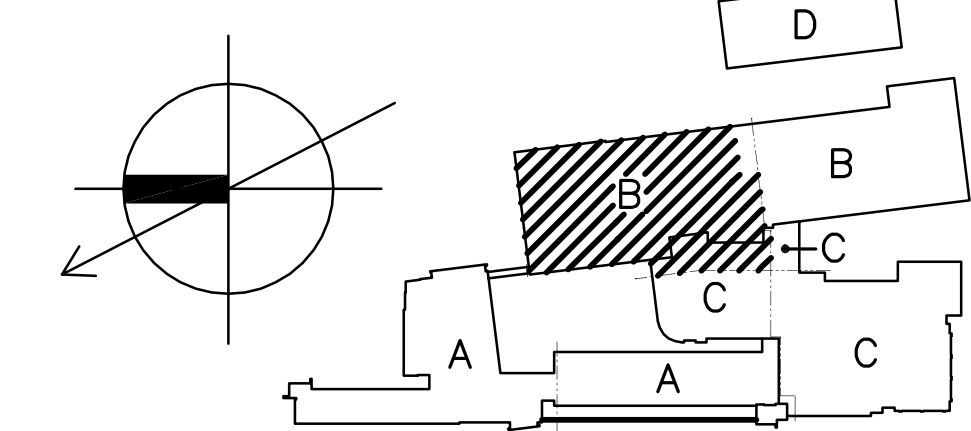
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "A"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	SEC
		Meriden, CT	Approved By
			RR
		Project No.	Drawing No.
		B-RT-843	E2.02
CAD No.			
0532-E-PLAN-1			

2 PLUMBING PIT - PART PLAN
E2.03 1/8"=1'-0"

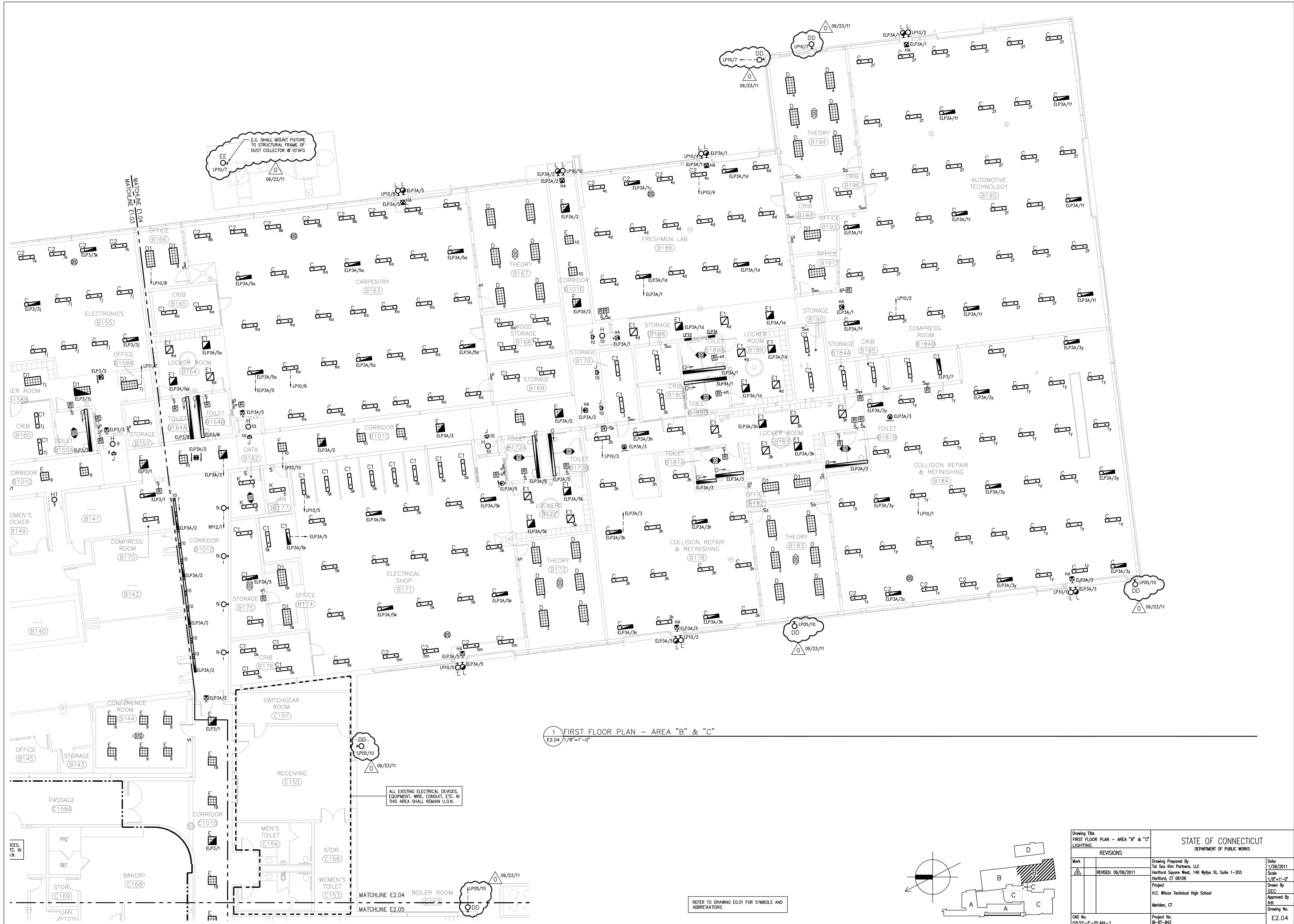


1 FIRST FLOOR PLAN - AREA "B" & "C"
E2.03 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



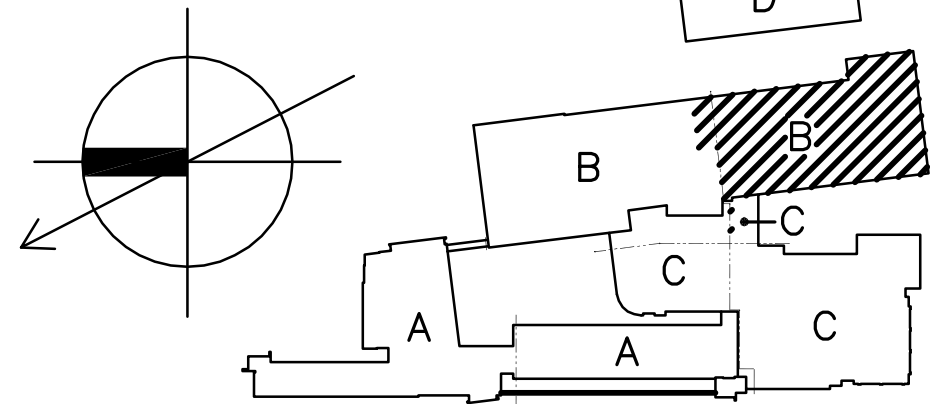
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "B" & "C"		DEPARTMENT OF PUBLIC WORKS	
LIGHTING		REVISIONS	
Mark			
Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011 Scale: 1/8"=1'-0"	
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By SEC Approved By RR Drawing No. E2.03	
CAD No. 0532-E-PLAN-1		Project No. B-R-843	



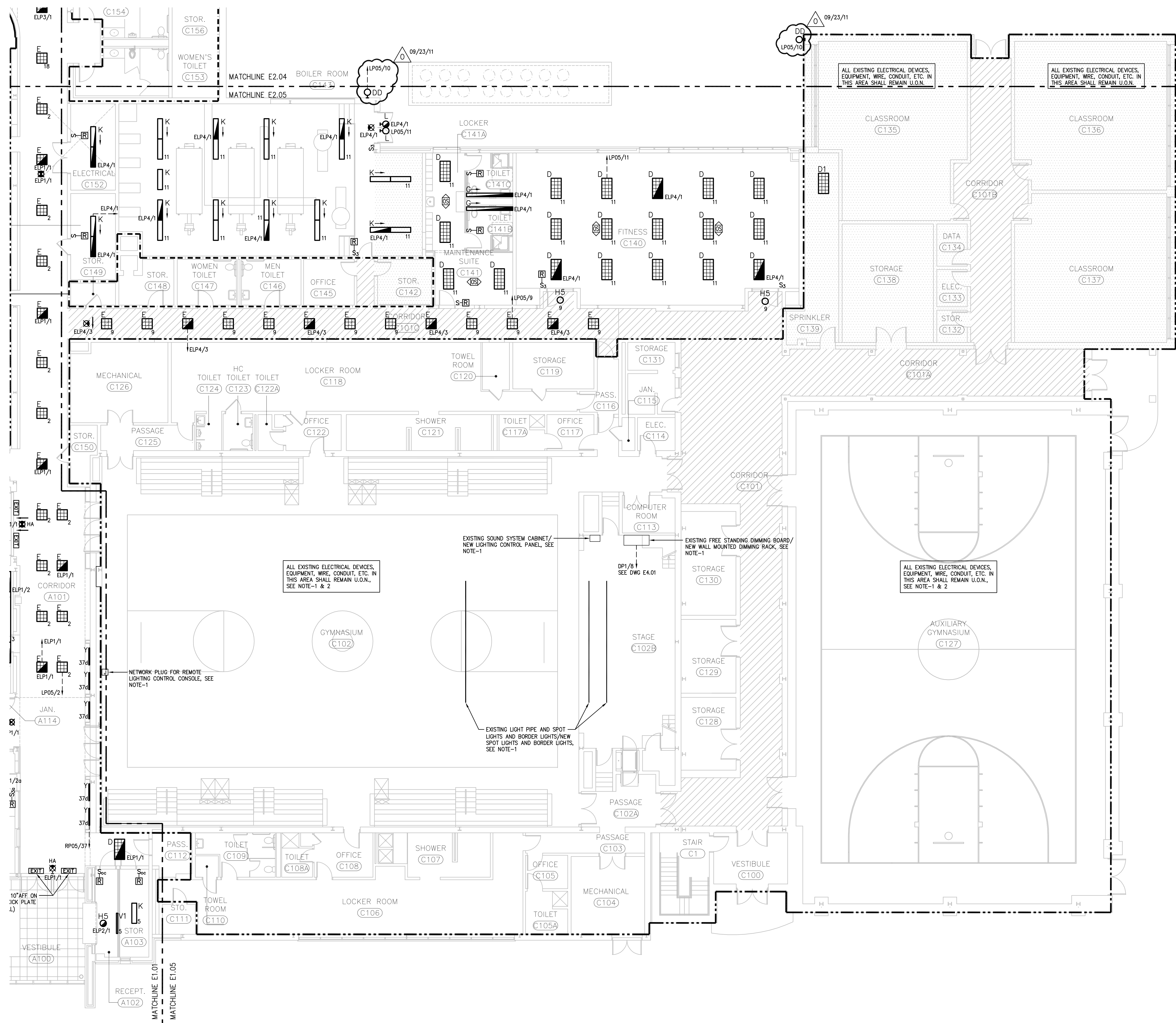
1 FIRST FLOOR PLAN - AREA "B" & "C"
E2.04 1/8"=1'-0"

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



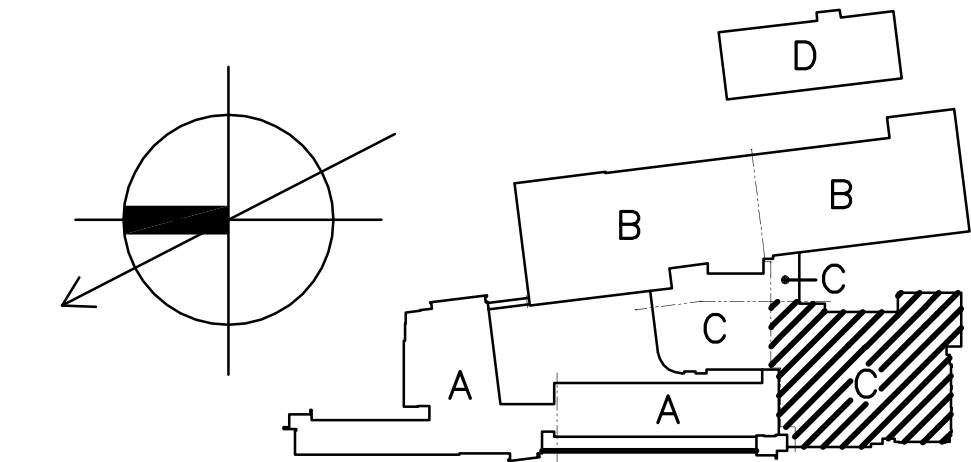
REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISIONS	Drawing Prepared By Tol Seo Kim Partners, LLC Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RRR Drawing No. E2.04
CAD No. 0532-E-PLAN-1		Project No. BI-RT-843	



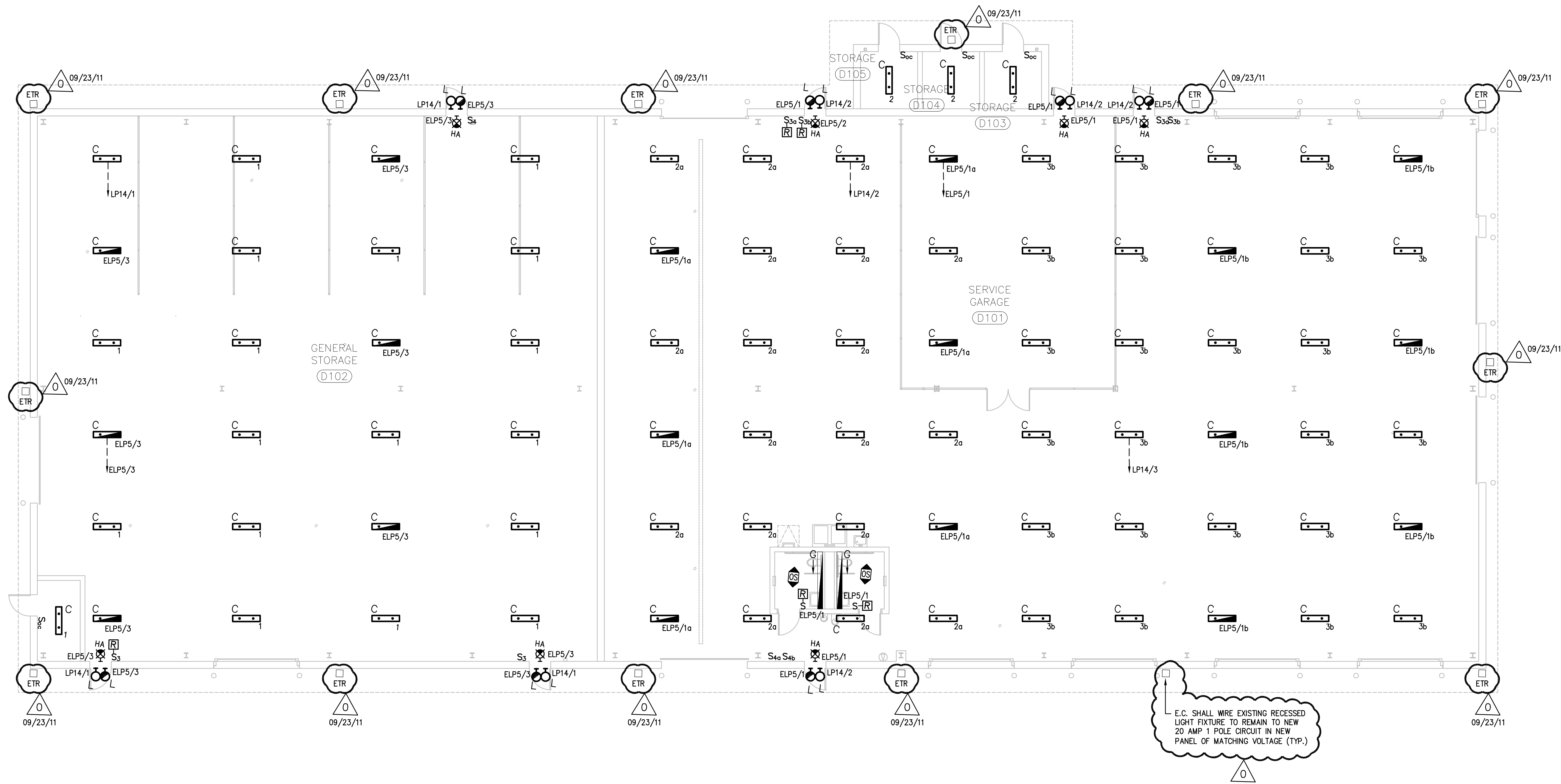
- GENERAL NOTES**
1. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING STAGE LIGHTING SYSTEM, INCLUDING CONTROL BOARD, (2) ROWS OF BORDER LIGHTS AND ASSOCIATED POWER RAILS AND THE SPOT LIGHTS AND POWER RAIL LOCATED IN FRONT OF THE STAGE. PROVIDE A NEW STAGE LIGHTING SYSTEM AS DESCRIBED BELOW. EXISTING LIGHTING APPEARS TO HAVE ASBESTOS WRAPPED CABLES AND SHOULD BE PROPERLY DISPOSED OF.
 - A. PROVIDE (2) ROWS OF LED SPOT LIGHTS, 5 FIXTURES PER ROW (ETC SELADOR # SELW11 OR EQUAL) ON THE STAGE ALONG WITH (4) SPOT LIGHTS (ETC #42550J OR EQUAL) AND NEW POWER RAIL.
 - B. PROVIDE (8) SPOT LIGHTS (ETC #42550J OR EQUAL) ON NEW PIPE IN FRONT OF STAGE ALONG WITH NEW POWER RAIL.
 - C. PROVIDE 12 DIMMER RACK WITH WALL MOUNTED TOUCH SCREEN CONTROL AND JACK FOR REMOTE CONSOLE CONTROL LOCATED AT BACK OF STAGE.
- REFER TO DETAIL #5 ON DRAWING E2.02 AND SPECIFICATION SECTION #265561 "THEATRICAL LIGHTING" FOR ADDITIONAL WORK ASSOCIATED WITH THIS SUPPLEMENTAL BID.
2. CONTRACTOR SHALL REPAIR EXISTING LIGHTING CONTROL FOR BOTH THE GYMNASIUM AND AUXILIARY GYMNASIUM LIGHTING SYSTEM. WORK SHALL INCLUDE BUT NOT BE LIMITED TO REPLACING LAMPS, BALLAST, CONTROL STATIONS AND ASSOCIATED WIRING TO PROVIDE A COMPLETE OPERABLE DIMMABLE LIGHTING SYSTEM.

1 FIRST FLOOR PLAN - AREA "C"
E2.05 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

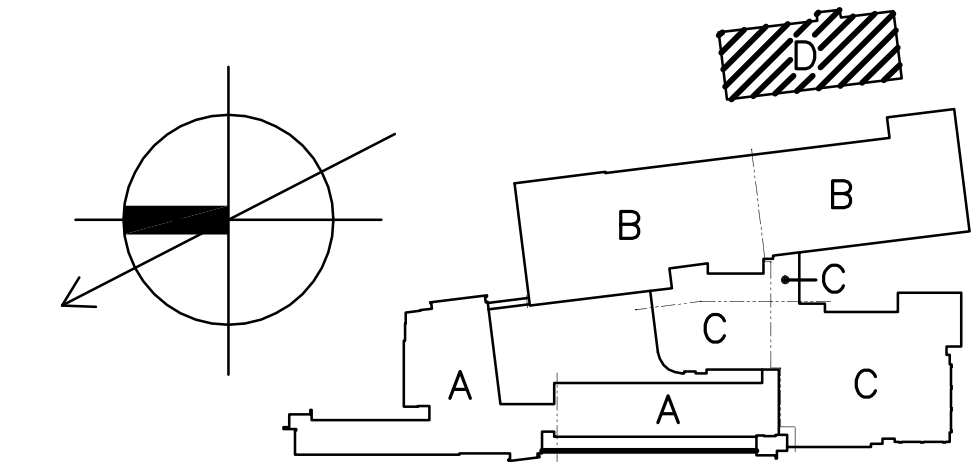


Drawing Title FIRST FLOOR PLAN - AREA "C" LIGHTING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No.
CAD No. 0532-E-PLAN-1		Project No. B-RT-843	E2.05

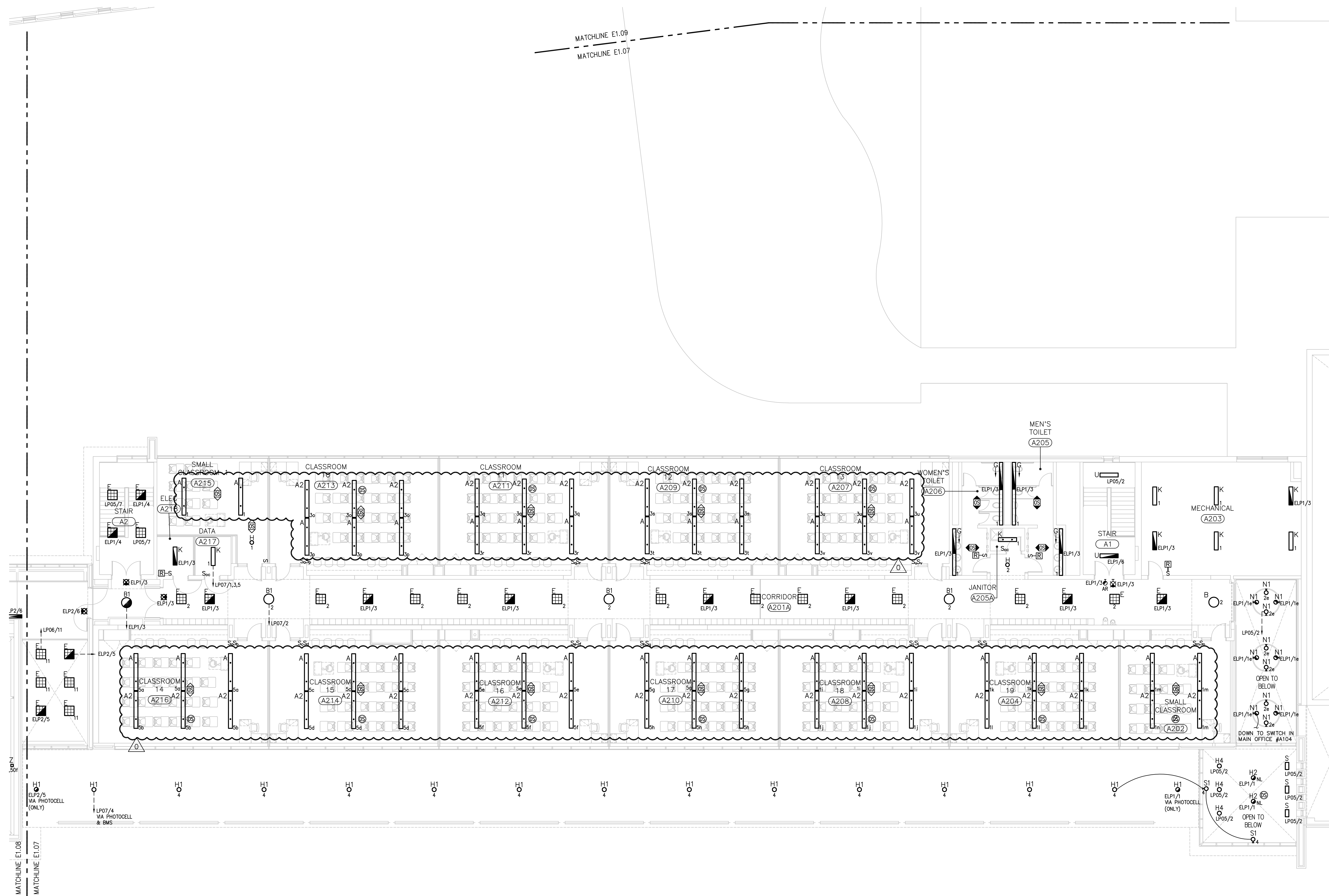


1 FIRST FLOOR PLAN - AREA "D"
E2.06 1/8"=1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

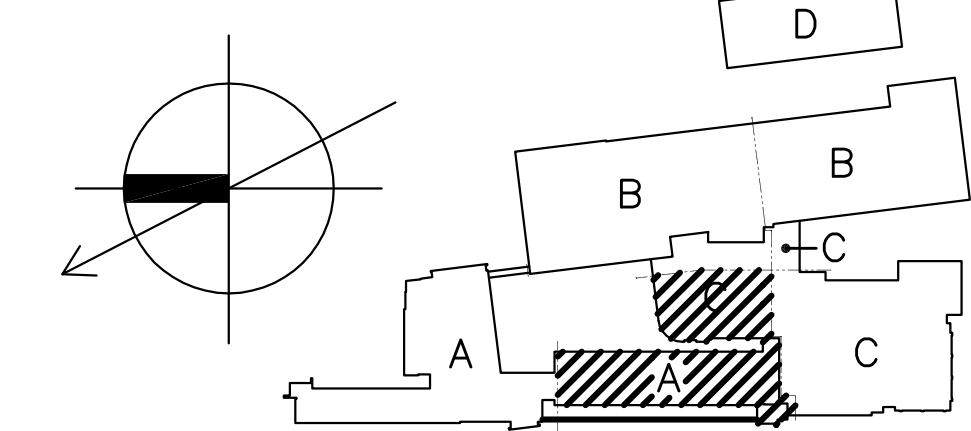


Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PLAN AREA "D" - LIGHTING			
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No.
CAD No.	0532-E-PLAN-1	Project No. BI-RT-843	E2.06

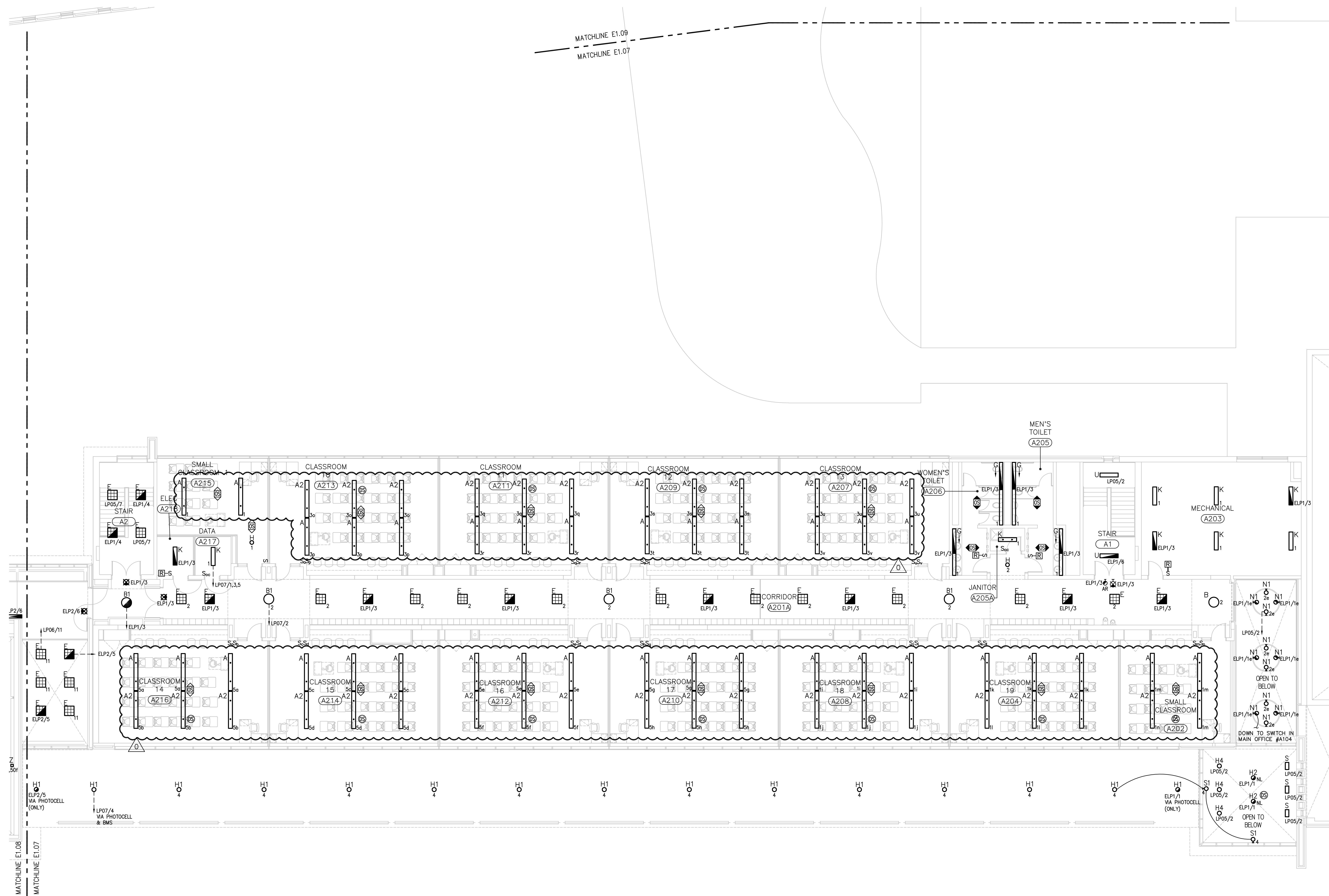


1 SECOND FLOOR PLAN - AREA "A" & "C"
E2.07 1/8" = 1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

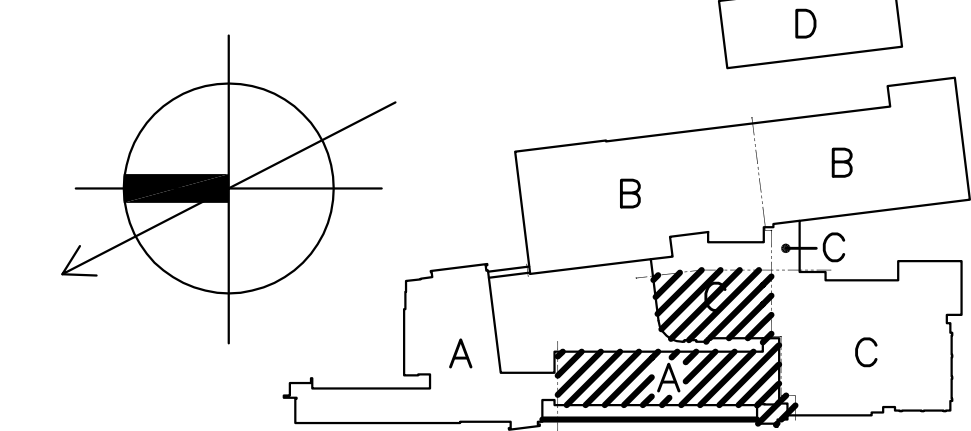


Drawing Title SECOND FLOOR PLAN - AREA "A" & "C" LIGHTING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark Δ	REVISIONS REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Date: 1/28/2011 Scale 1/8"=1'-0" Drawn By SEC Approved By RR Drawing No. E2.07
CAD No. 0532-E-PLAN-2		Project No. B-RT-843	E2.07



1 SECOND FLOOR PLAN - AREA "A" & "C"
E2.07 1/8" = 1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



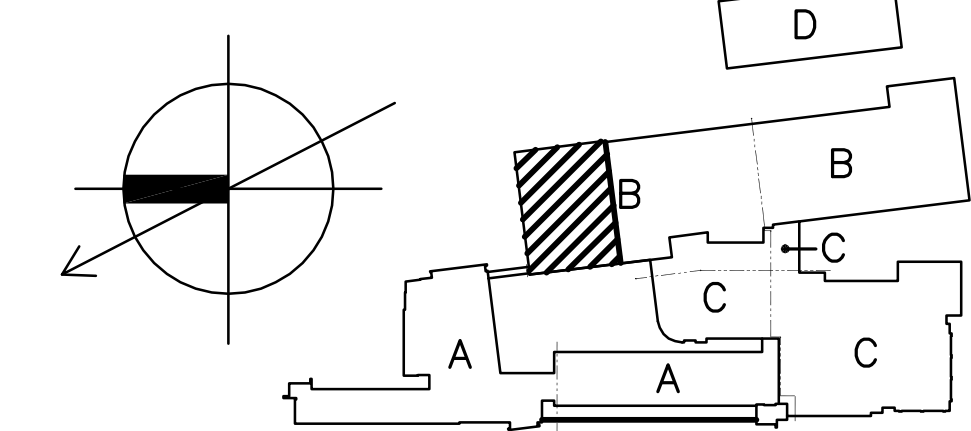
Drawing Title SECOND FLOOR PLAN - AREA "A" & "C" LIGHTING		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark Δ	REVISIONS REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Date: 1/28/2011 Scale 1/8"=1'-0" Drawn By SEC Approved By RR Drawing No. E2.07
CAD No. 0532-E-PLAN-2		Project No. B-RT-843	E2.07



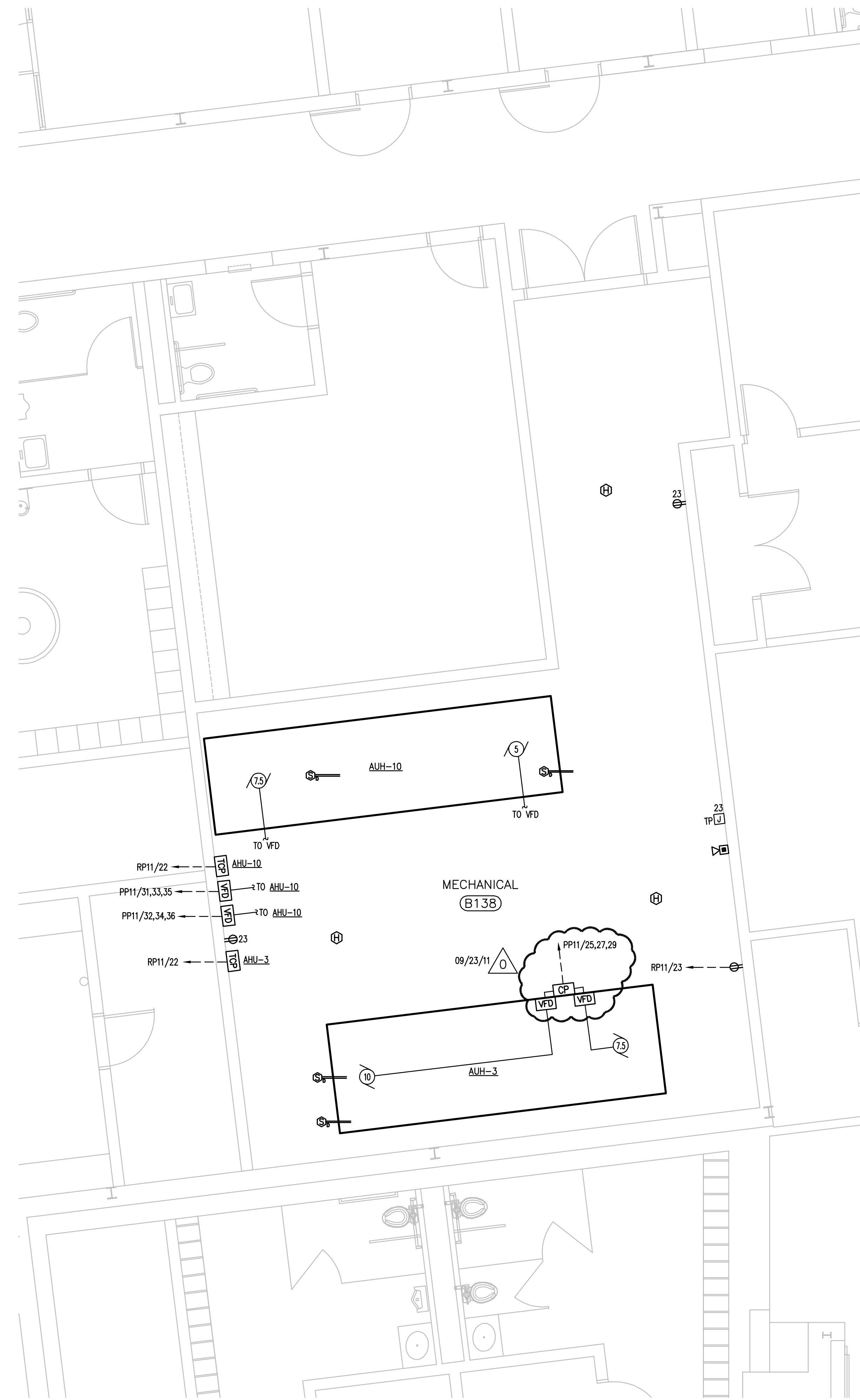
1 SECOND FLOOR PLAN - AREA "B"
E2.09 1/8" = 1'-0"

MATCHLINE E1.09
MATCHLINE E1.07

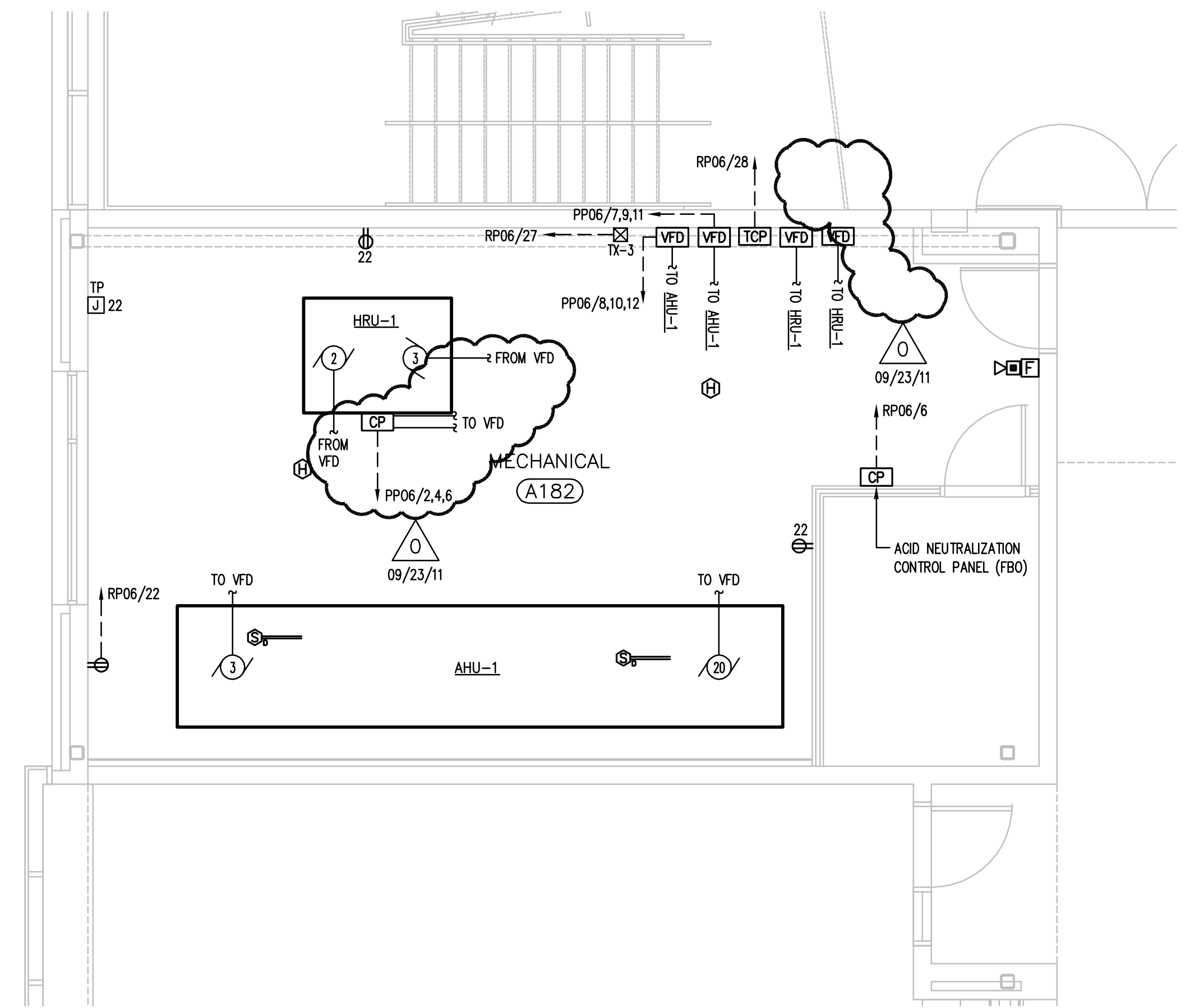
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



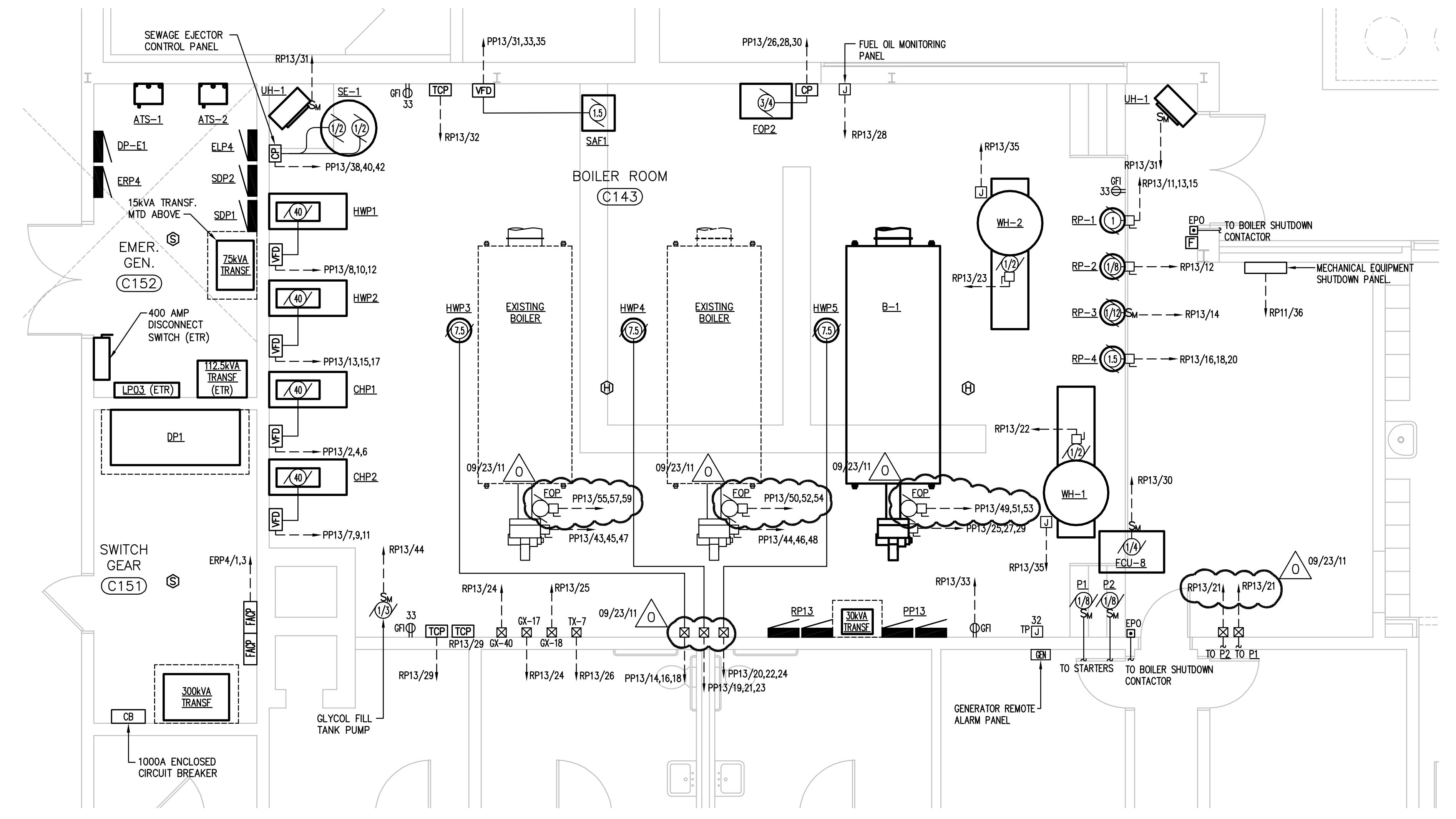
Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PLAN - AREA "B"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By	
Mark		Tai Seo Kim Partners, LLC	Date: 1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale: 1/8"=1'-0"
		Hartford, CT 06106	Project
		H.C. Wilcox Technical High School	Drawn By: SEC
		Meriden, CT	Approved By: RRR
			Drawing No. E2.09
CAD No. 0532-E-PLAN-2		Project No. BI-RT-843	



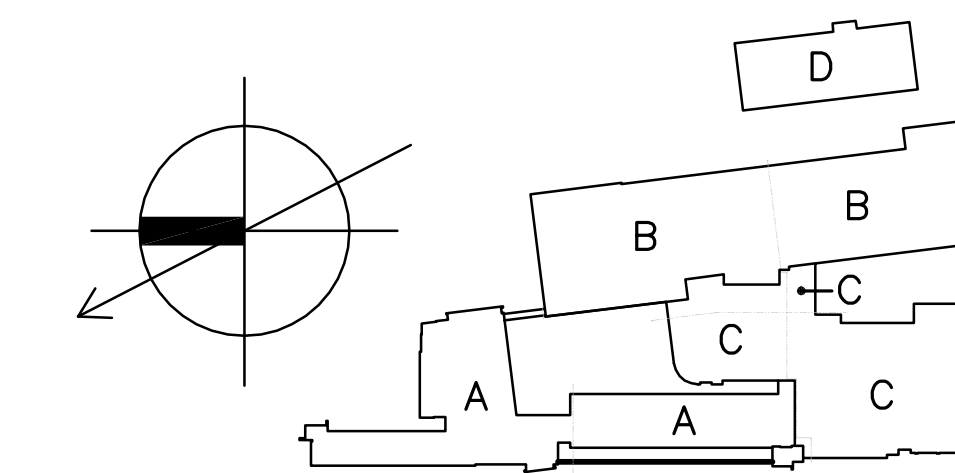
2 FIRST FLOOR PART PLAN - AREA "B"
E3.01 1/4" = 1'-0"



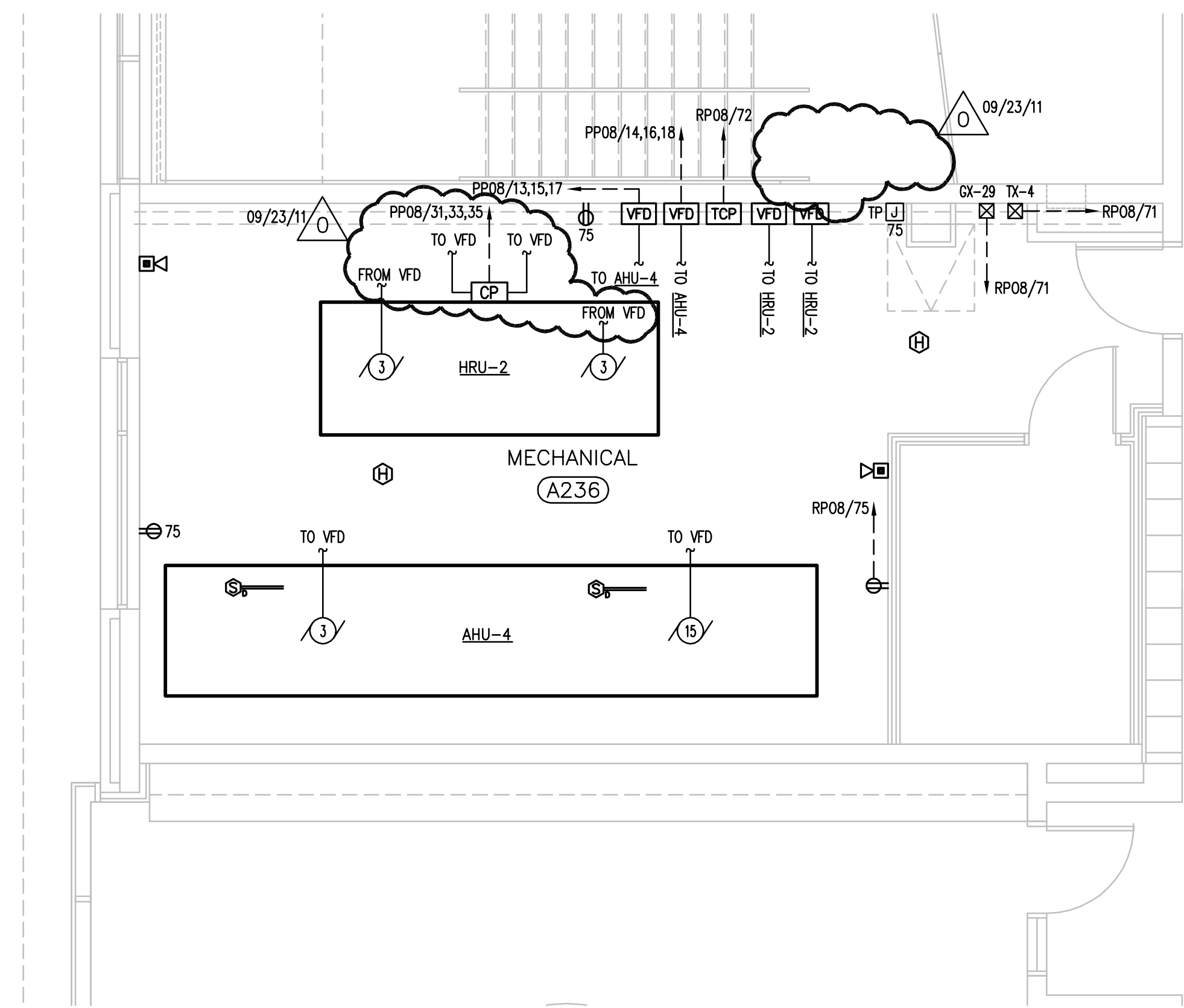
1 FIRST FLOOR PART PLAN - AREA "A"
E3.01 1/4" = 1'-0"



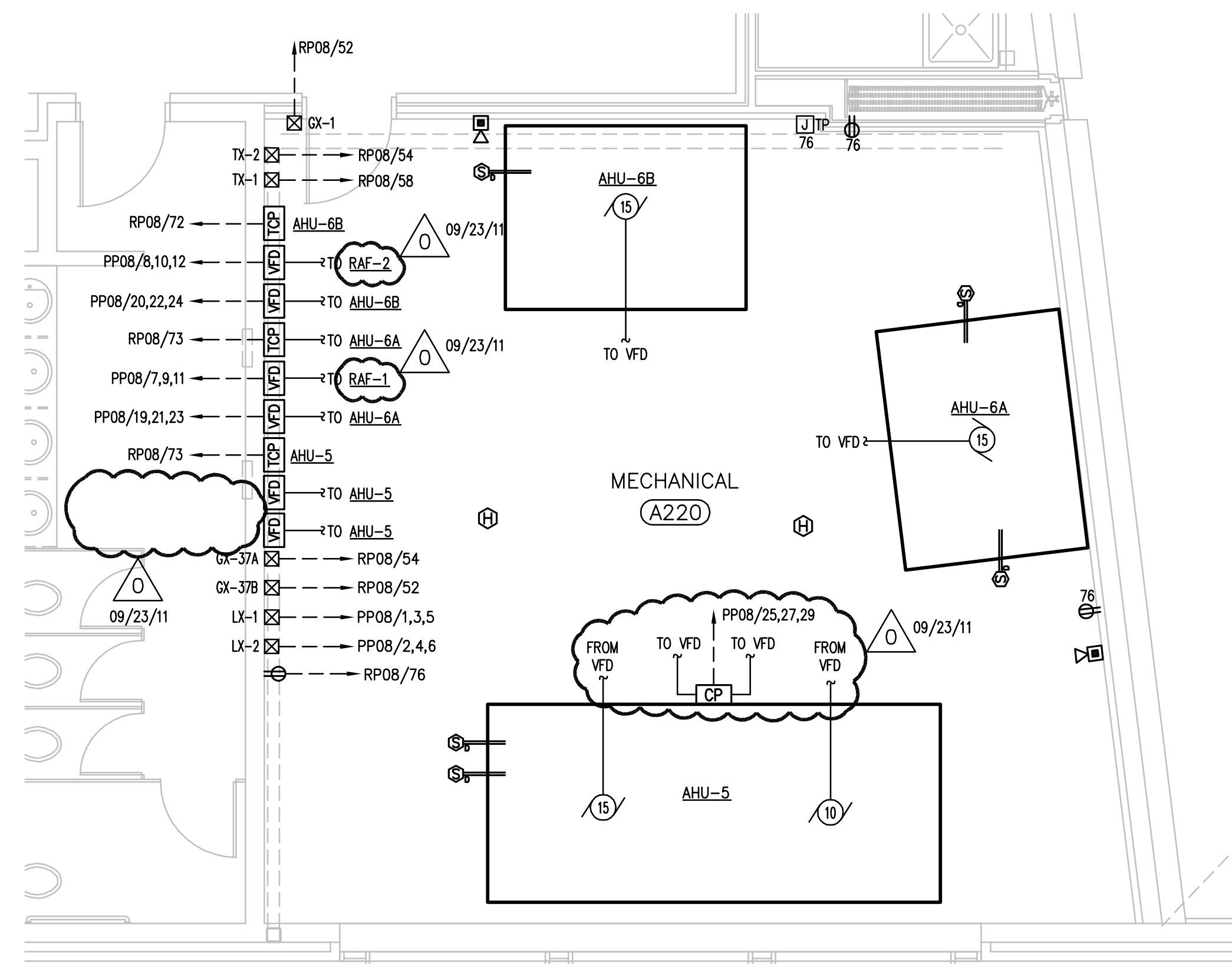
3 FIRST FLOOR PART PLAN - AREA "C"
E3.01 1/4" = 1'-0"



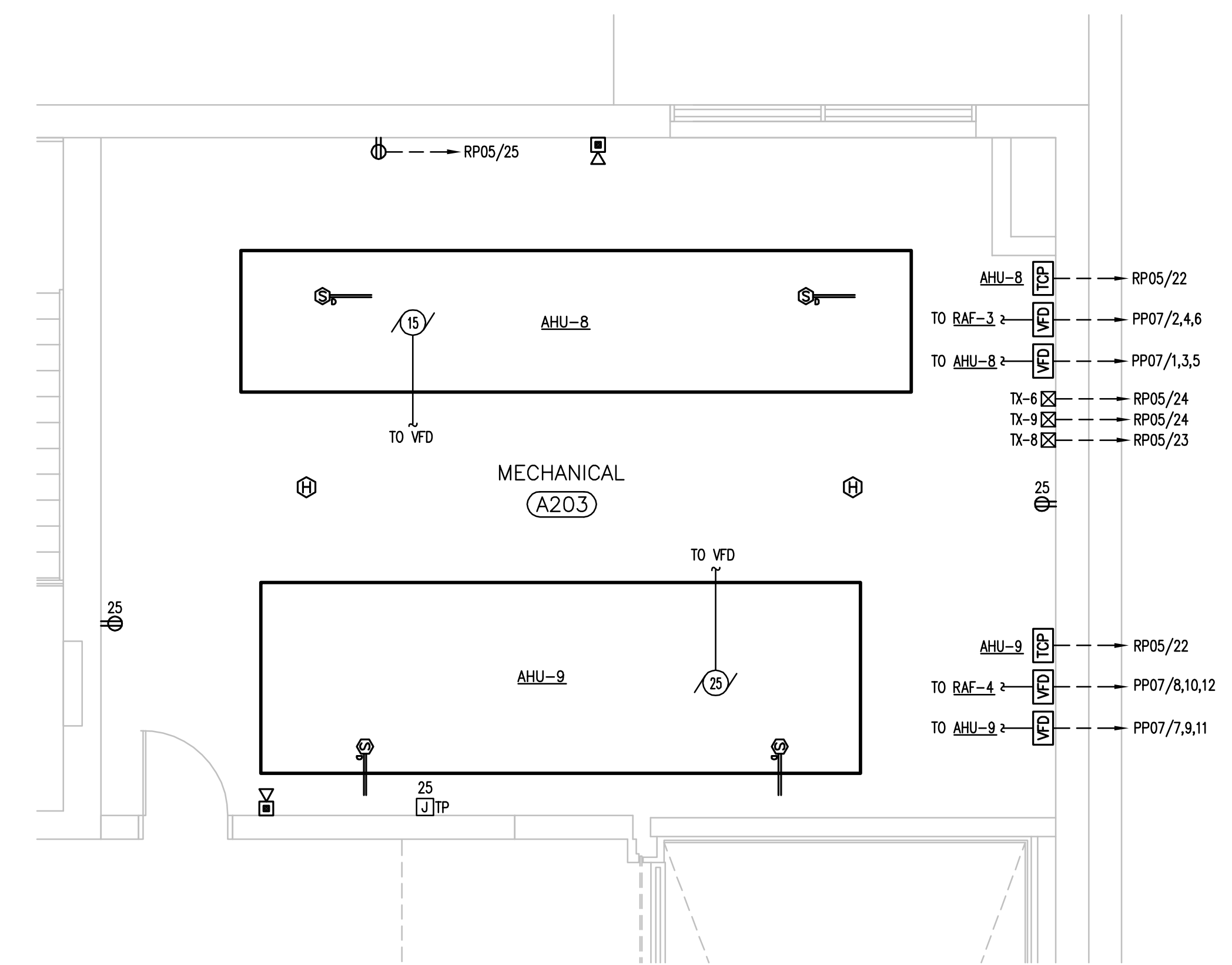
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR MECHANICAL ROOM PART PLANS - ELECTRICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISD: 09/09/2011	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/4"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By GTC Approved By RSR Drawing No.
CAD No. XXX		Project No. BI-RT-843	E3.01



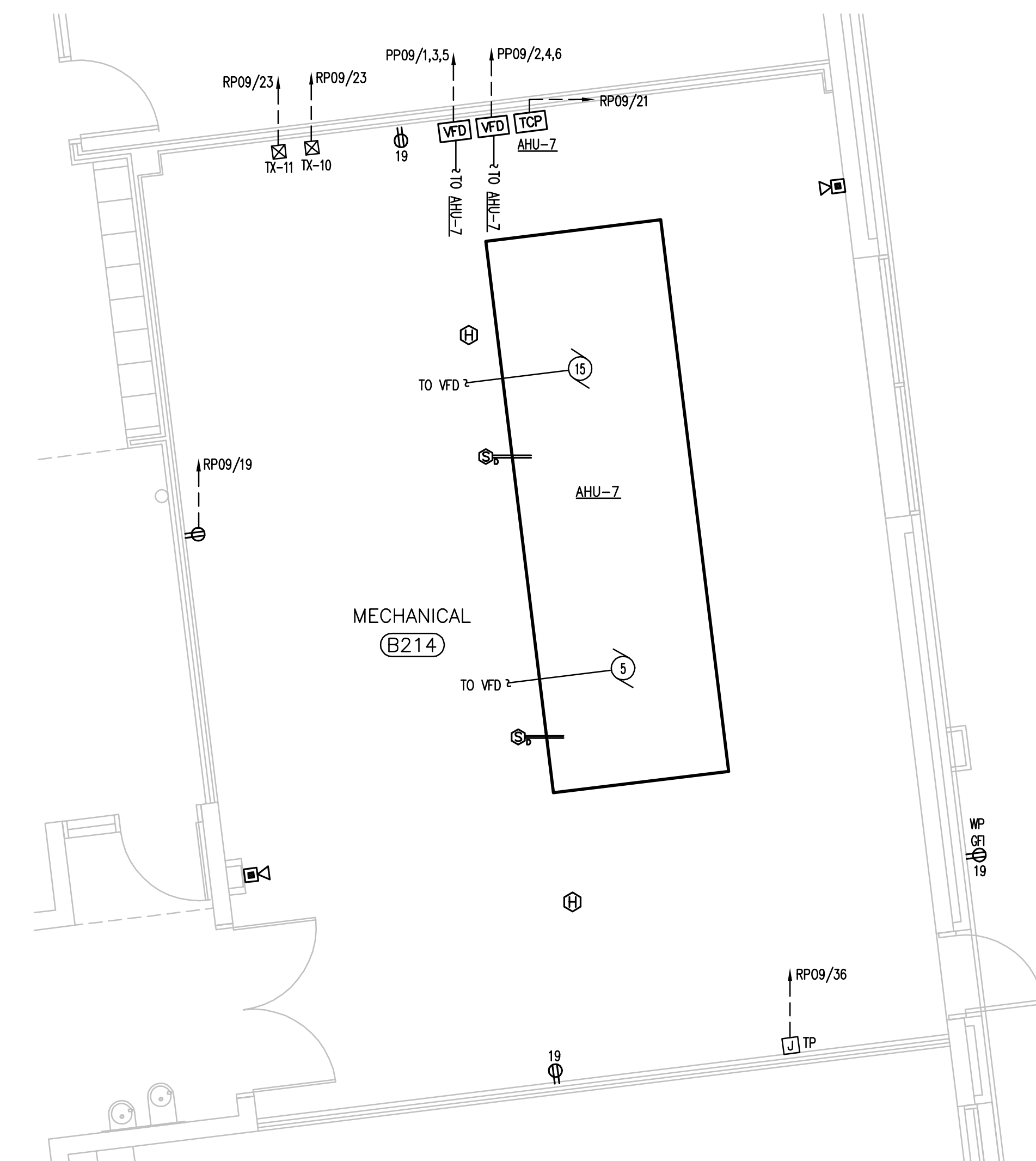
3 SECOND FLOOR PART PLAN - AREA "A"
E3.02 1/4" = 1'-0"



2 SECOND FLOOR PART PLAN - AREA "A"
E3.02 1/4" = 1'-0"

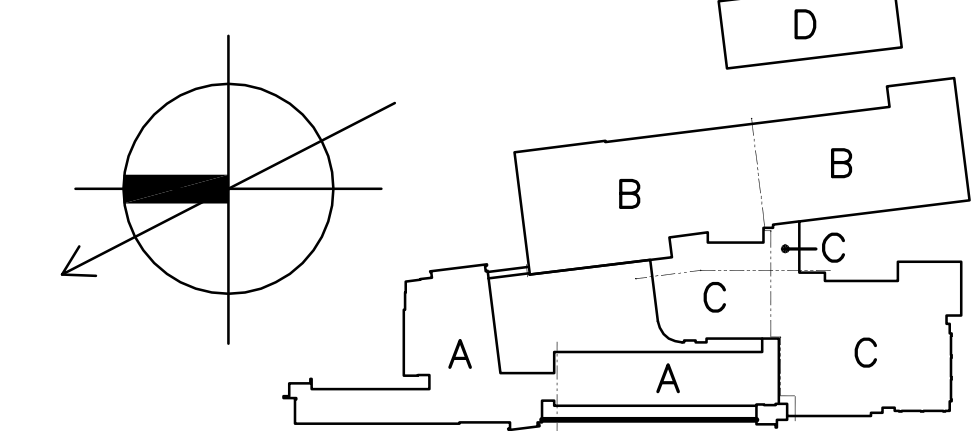


1 SECOND FLOOR PART PLAN - AREA "A"
E3.02 1/4" = 1'-0"



4 SECOND FLOOR PART PLAN - AREA "B"
E3.02 1/4" = 1'-0"

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR MECHANICAL ROOM PART PLANS - ELECTRICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
Δ	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/4"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	GTC
		Meriden, CT	Approved By
			RSR
		Project No.	Drawing No.
		BI-RT-843	E3.02
CAD No.			
XXX			

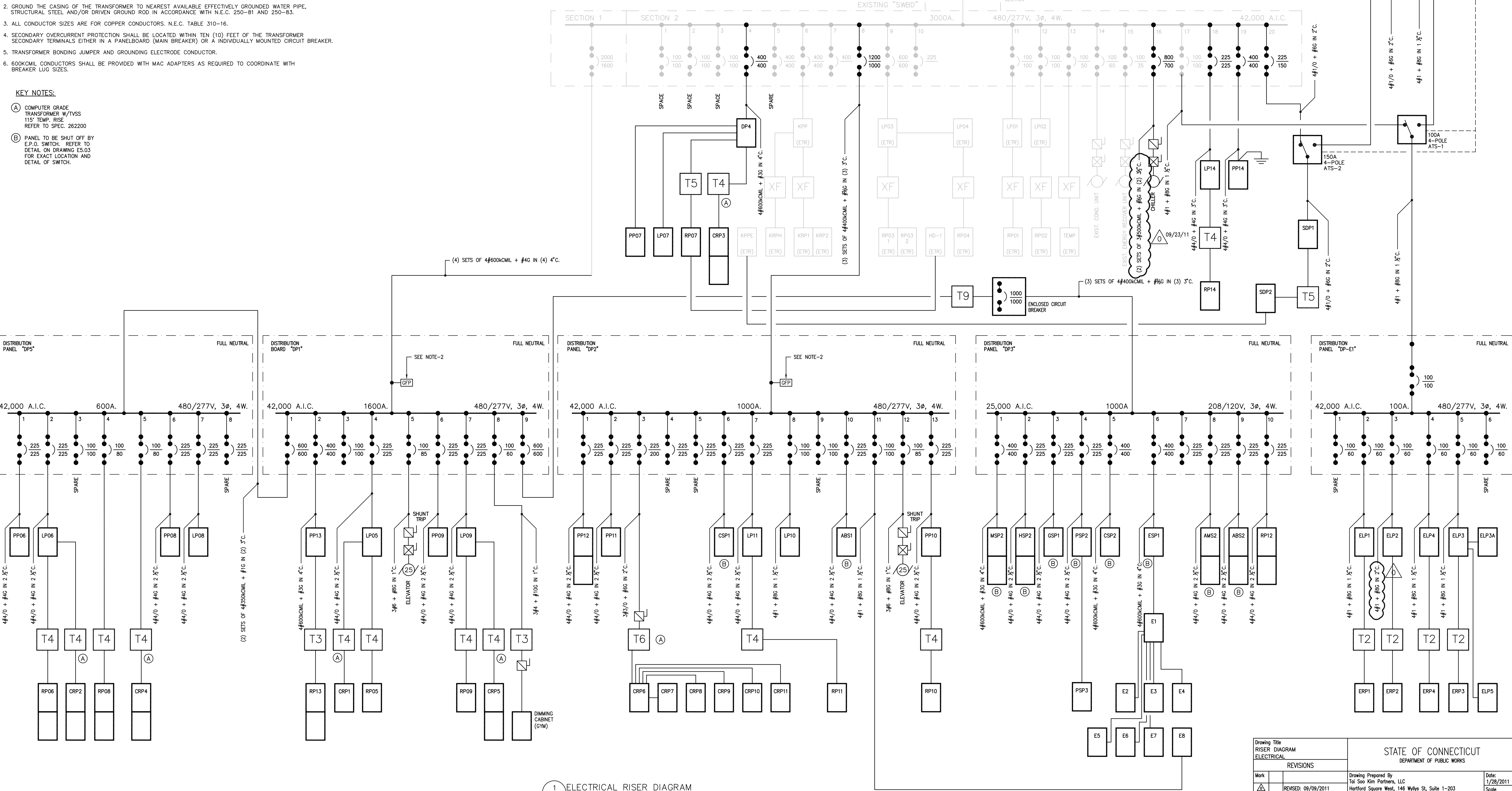
DRY TYPE TRANSFORMER SCHEDULE								
SIZE	KVA	PRIMARY AMPS	SECONDARY AMPS	480 VOLT OVERCURRENT	208 VOLT (4) OVERCURRENT	480V FEEDER	120/208V FEEDER	GROUNDING SEE NOTE #5
T1	9	11	25	20A, 3P	30A, 3P	3#12 & 1#12G - 3/4"C.	3#10 & 1#10G - 3/4"C.	1#6 - 3/4"C.
T2	15	18	42	30A, 3P	50A, 3P	3#10 & 1#10G - 3/4"C.	4#6 & 1#10G - 1"C.	1#6 - 3/4"C.
T3	30	36	83	60A, 3P	100A, 3P	3#4 & 1#10G - 1"C.	4#1 & 1#6G - 1 1/2"C.	1#6 - 3/4"C.
T4	45	54	125	80A, 3P	150A, 3P	3#3 & 1#8G - 1 1/4"C.	4#1/0 & 1#6G - 2"C.	1#6 - 3/4"C.
T5	75	90	208	150A, 3P	250A, 3P	3#1/0 & 1#6G - 1 1/2"C.	4#250 KCMIL & 1#4G - 3"C.	1#2 - 3/4"C.
T6	112.5	135	313	200A, 3P	400A, 3P	3#3/0 & 1#6G - 2"C.	4#500 KCMIL & 1#3G - 4"C.	1#1/0 - 3/4"C.
T7	150	181	417	300A, 3P	500A, 3P	3#350 KCMIL & 1#4G - 3"C.	8#250 KCMIL & 2#2G - 3"C.	1#1/0 - 3/4"C.
T8	225	270	625	400A, 3P	800A, 3P	3#500 KCMIL & 1#3G - 3 1/2"C.	8#500 KCMIL & 2#1/0G - 4"C.	1#3/0 - 3/4"C.
T9	300	361	834	600A, 3P	1000A, 3P	6#350 KCMIL & 2#1G - 3 1/2"C.	12#400 KCMIL & 3#2/0G - 3"C.	1#3/0 - 3/4"C.
T10	500	600	1400	900A, 3P	1600A, 3P	9#350 KCMIL & 3#2/0G - 3 1/2"C.	16#600 KCMIL & 4#4/0G - 4"C.	1#300KCMIL-1"C.

- TRANSFORMER NOTES:**
- BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE, WITH BONDING JUMPER.
 - GROUND THE CASING OF THE TRANSFORMER TO NEAREST AVAILABLE EFFECTIVELY GROUNDED WATER PIPE, STRUCTURAL STEEL AND/OR DRIVEN GROUND ROD IN ACCORDANCE WITH N.E.C. 250-81 AND 250-83.
 - ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS. N.E.C. TABLE 310-16.
 - SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR A INDIVIDUALLY MOUNTED CIRCUIT BREAKER.
 - TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR.
 - 600KCMIL CONDUCTORS SHALL BE PROVIDED WITH MAC ADAPTERS AS REQUIRED TO COORDINATE WITH BREAKER LUG SIZES.

KEY NOTES:

- (A) COMPUTER GRADE TRANSFORMER W/TVSS 115' TEMP. RISE REFER TO SPEC. 262200
- (B) PANEL TO BE SHUT OFF BY E.P.O. SWITCH. REFER TO DETAIL ON DRAWING E5.03 FOR EXACT LOCATION AND DETAIL OF SWITCH.

GENERAL NOTES
1. CONTRACTOR SHALL COORDINATE ELEVATOR FUSE SIZE WITH ELEVATOR MANUFACTURER.
2. CONTRACTOR SHALL PROVIDE A PRIMARY INJECTION TEST FOR ALL BREAKERS INDICATED WITH "GROUND FAULT PROTECTION" (GFP) AS PER NEC SECTION 230.95
3. WHEN A GROUNDING ELECTRODE CONDUCTOR IS INSTALLED IN RACEWAY IT SHALL BE BONDED TO THE RACEWAY AS PER NEC 250.64



1 ELECTRICAL RISER DIAGRAM
E4.01 NONE

REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Mark	REVISOR	Drawing Prepared By	Date:
Δ	09/09/2011	Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	NONE
		Project	Drawn By
		H.C. Wilcox Technical High School	SEC
		Meriden, CT	Approved By
			RR
CAD No.	Project No.		Drawing No.
0532-E4.01	BI-RT-843		E4.01

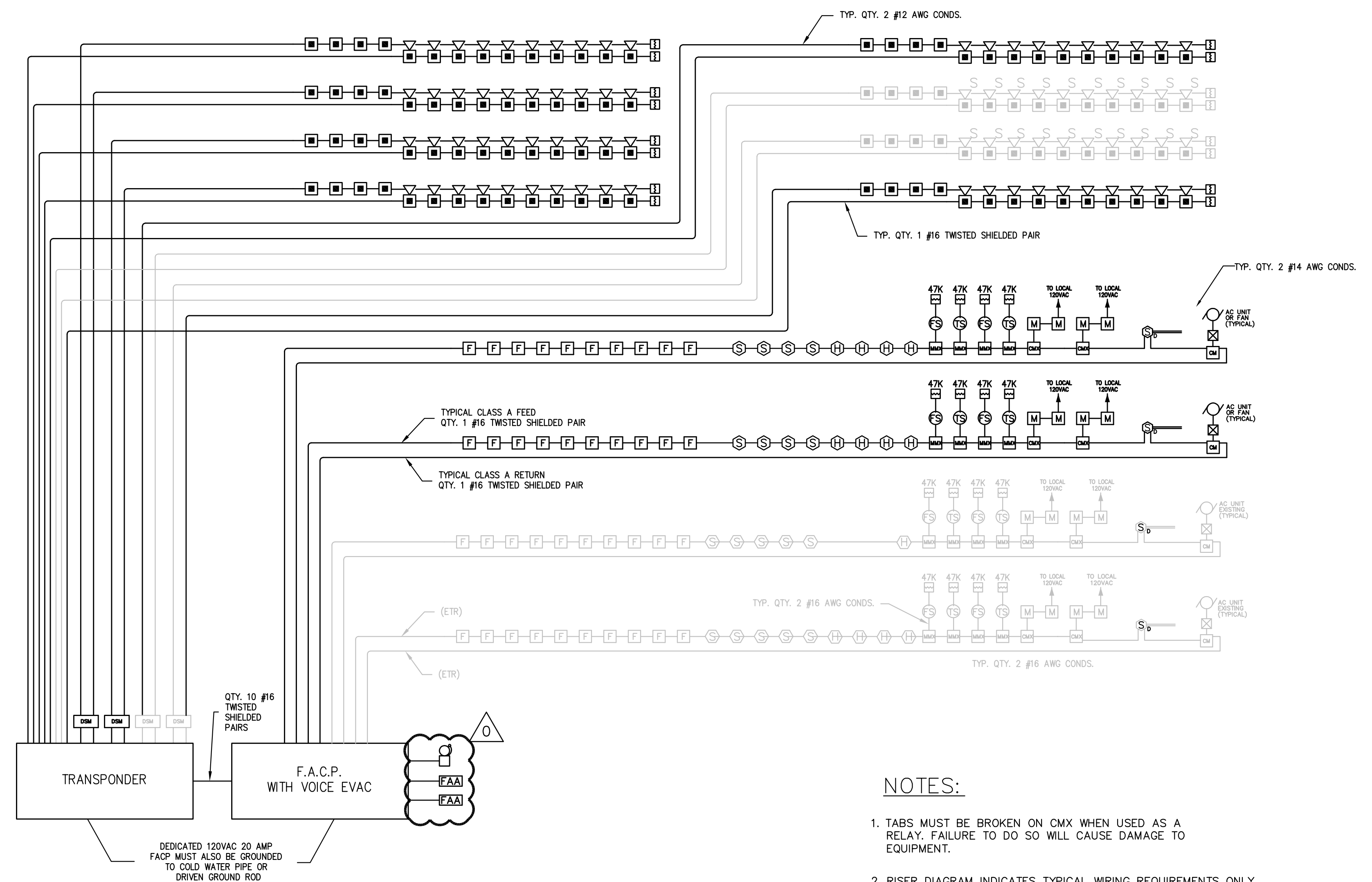
REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

SEQUENCE OF OPERATION:

- A. THE SYSTEM ALARM OPERATION SUBSEQUENT TO THE ALARM ACTIVATION OF ANY MANUAL STATION, AUTOMATIC DETECTION DEVICE, OR SPRINKLER FLOW SWITCH IS TO BE AS FOLLOWS:
1. ALL AUDIBLE ALARM INDICATING APPLIANCES SHALL SOUND A DIGITIZED TONE AND VOICE MESSAGE UNTIL SILENCED BY THE ALARM SILENCE SWITCH AT THE CONTROL PANEL.
 2. ALL VISUAL ALARM INDICATING APPLIANCES (XENON STROBES) SHALL DISPLAY A CONTINUOUS PATTERN UNTIL EXTINGUISHED BY THE ALARM SILENCE SWITCH.
 3. ALL DOORS NORMALLY HELD OPEN BY DOOR CONTROL DEVICES SHALL RELEASE.
 4. A SUPERVISED SIGNAL TO NOTIFY AN APPROVED CENTRAL STATION SHALL BE ACTIVATED.
 5. ALL AIR HANDLING SYSTEMS WITH DUCT MOUNTED SMOKE DETECTION SHALL BE AUTOMATICALLY SHUTDOWN.
 6. FIRE ALARM SYSTEM SHALL PROVIDE GENERAL ALARM SIGNAL TO BMS SYSTEM WITH INDICATION THRU THE FACP OF THE STATUS OF EACH DAMPER.
 7. UPON RESTORATION OF THE FIRE ALARM SYSTEM FOLLOWING AN ALARM THE SYSTEM SHALL PROVIDE A SIGNAL TO THE BMS FOR SYSTEM RESET.
 8. ALARMS SHALL BE DISPLAYED ON THE PANEL DISPLAY. THE ALARM LED SHALL FLASH ON THE CONTROL PANEL UNTIL THE ALARM HAS BEEN ACKNOWLEDGED AT THE CONTROL PANEL. ONCE ACKNOWLEDGED, THIS SAME LED SHALL LATCH ON. A SUBSEQUENT ALARM RECEIVED FROM ANOTHER ZONE AFTER ACKNOWLEDGED SHALL FLASH THE ALARM LED ON THE CONTROL PANEL AND THE PANEL DISPLAY SHALL SHOW THE NEW ALARM INFORMATION. A PULSING ALARM TONE SHALL OCCUR WITHIN THE CONTROL PANEL AND THE REMOTE ANNUNCIATOR UNTIL ACKNOWLEDGED.
- B. THE ALARM ACTIVATION OF ANY ELEVATOR LOBBY, HOIST WAY, OR MACHINE ROOM SMOKE OR HEAT DETECTOR SHALL, IN ADDITION TO THE OPERATIONS LISTED ABOVE, CAUSE THE ELEVATOR CABS TO BE RECALLED ACCORDING TO THE FOLLOWING SEQUENCE:
1. IF THE ALARMED DETECTOR IS ON ANY FLOOR OTHER THAN THE MAIN LEVEL OF EGRESS, THE ELEVATOR CABS SHALL BE RECALLED TO THE MAIN LEVEL OF EGRESS.
 2. IF THE ALARMED DETECTOR IS ON THE MAIN EGRESS LEVEL, THE ELEVATOR CABS SHALL BE RECALLED TO THE PREDETERMINED ALTERNATE RECALL LEVEL AS DETERMINED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
 3. THE ACTIVATION OF ANY HEAT DETECTOR IN AN ELEVATOR HOIST WAY OR MACHINE ROOM SHALL AUTOMATICALLY DISCONNECT POWER TO THE ELEVATOR MOTOR VIA BASE-MOUNTED CONTACTS ACTIVATING THE ELEVATOR FEEDER SHUNT-TRIP CIRCUIT BREAKER (REFER TO DRAWINGS). POWER TO SHUNT TRIP UNIT SHALL BE FROM LOCAL AGENCY PANEL.
- C. THE CONTROL PANEL SHALL HAVE A DEDICATED SUPERVISORY SERVICE LED AND A DEDICATED SUPERVISORY SERVICE ACKNOWLEDGE SWITCH.
- D. THE ACTIVATION OF ANY STANDPIPE OR SPRINKLER VALVE TAMPER SWITCH SHALL ACTIVATE THE SYSTEM SUPERVISORY SERVICE AUDIBLE SIGNAL AND ILLUMINATE THE LED AT THE CONTROL PANEL.
1. ACTIVATING THE SUPERVISORY SERVICE ACKNOWLEDGE SWITCH WILL SILENCE THE SUPERVISORY AUDIBLE SIGNAL WHILE MAINTAINING THE SUPERVISORY SERVICE LED ON INDICATING THE TAMPER CONTACT IS STILL IN THE OFF-NORMAL STATE.
 2. RESTORING THE VALVE TO THE NORMAL POSITION SHALL CAUSE THE SUPERVISORY SERVICE LED TO EXTINGUISH THUS INDICATING RESTORATION TO NORMAL POSITION.
- E. ALARM AND TROUBLE CONDITIONS SHALL BE IMMEDIATELY DISPLAYED ON THE CONTROL PANEL FRONT ALPHANUMERIC DISPLAY. IF MORE ALARMS OR TROUBLES ARE IN THE SYSTEM THE OPERATOR MAY SCROLL TO DISPLAY NEW ALARMS.
- F. THE SYSTEM SHALL HAVE AN ALARM LIST KEY THAT WILL ALLOW THE OPERATOR TO DISPLAY ALL ALARMS, TROUBLES, AND SUPERVISORY SERVICE CONDITIONS WITH THE TIME OF OCCURRENCE.

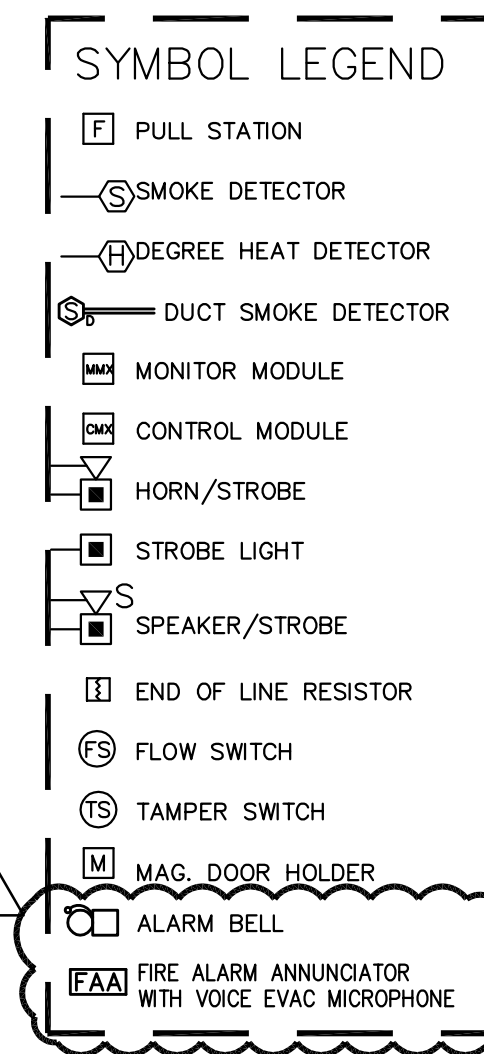
FIRE ALARM NOTES:

1. FIRE SPEAKERS AND STROBES SHALL BE WIRED VIA VOICE EVACUATION LOOPS AS SCHEDULED ON THIS DRAWING.
2. REFER TO 283100 FOR SPEAKER TAP SETTINGS AND AMPLIFIER SPARE CAPACITY.
3. VOICE COMMUNICATIONS SPEAKERS SHALL BE WIRED ALTERNATELY, WITH EVERY OTHER SPEAKER ON THE SAME CIRCUIT, SO THAT THE FAILURE OF ONE CIRCUIT WILL NOT LEAVE AN ENTIRE AREA WITHOUT COMMUNICATIONS.
4. EXISTING KITCHEN HOOD EXTINGUISHING SYSTEM ALARM AND TROUBLE SIGNALS SHALL BE INCLUDED ON NEW FIRE ALARM SYSTEM, PROVIDE ANY REQUIRED INTERFACE DEVICES, VERIFY QUANTITY AND LOCATION IN FIELD.
5. ALL FIRE ALARM DEVICES SHALL BE WIRED VIA ADDRESSABLE LOOPS FROM THE FIRE ALARM DGP'S PER MANUFACTURER'S RECOMMENDATIONS. LEAVE SPACE FOR THE ADDITION OF 10 FUTURE DEVICES PER LOOP MINIMUM.
6. ALL WIRING FOR FIRE ALARM SYSTEM DEVICES SHALL BE RUN IN EMT CONDUIT THROUGHOUT BUILDING OR FIRE ALARM CABLE AS APPROVED BY STATE FIRE MARSHAL.
7. 200' HEAT DETECTORS IN ELEVATOR MACHINE ROOMS, SHALL BE WIRED TO SHUNT-TRIP UNITS ON ASSOCIATED ELEVATOR CIRCUIT BREAKER IN STANDBY DISTRIBUTION BOARD. DETECTORS SHALL BE MOUNTED WITHIN 2 FEET OF ASSOCIATED SPRINKLER HEADS. CIRCUIT TO LOCAL EMERGENCY PANEL.
8. ALL DOORS ON MAGNETIC HOLD-OPENS SHALL BE RELEASED AUTOMATICALLY UPON ANY FIRE ALARM CONDITION.
9. CONTRACTOR SHALL NOTIFY STATE FIRE MARSHALS OFFICE (3) WORKING DAYS PRIOR TO ANY INTERRUPTIONS TO THE EXISTING FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE "FIRE WATCH" DURING ALL SYSTEM INTERRUPTIONS.
10. FIRE ALARM SYSTEM SHALL MONITOR 120V POWER TO SHUNT TRIP UNITS AND PROVIDE TROUBLE SIGNAL UPON LOSS OF POWER.
11. CONTRACTOR SHALL COORDINATE WITH FIRE ALARM VENDOR FOR CAPACITY OF EXISTING FACP AND PROVIDE ALL REQUIRED MODIFICATIONS AND UPGRADES INCLUDING HARDWARE, SOFTWARE AND PROGRAMMING REQUIRED FOR A FULLY OPERATIONAL SYSTEM.



NOTES:

1. TABS MUST BE BROKEN ON CMX WHEN USED AS A RELAY. FAILURE TO DO SO WILL CAUSE DAMAGE TO EQUIPMENT.
2. RISER DIAGRAM INDICATES TYPICAL WIRING REQUIREMENTS ONLY. REFER TO SPECIFICATIONS AND MANUFACTURERS INSTALLATION REQUIREMENTS FOR EXACT REQUIREMENTS.
3. REFER TO PLANS AND SPECIFICATIONS FOR QUANTITIES AND LOCATIONS OF DEVICES.
4. CONTRACTOR SHALL PROVIDE POWER TO ALL DEVICES FROM LOCAL PANEL.



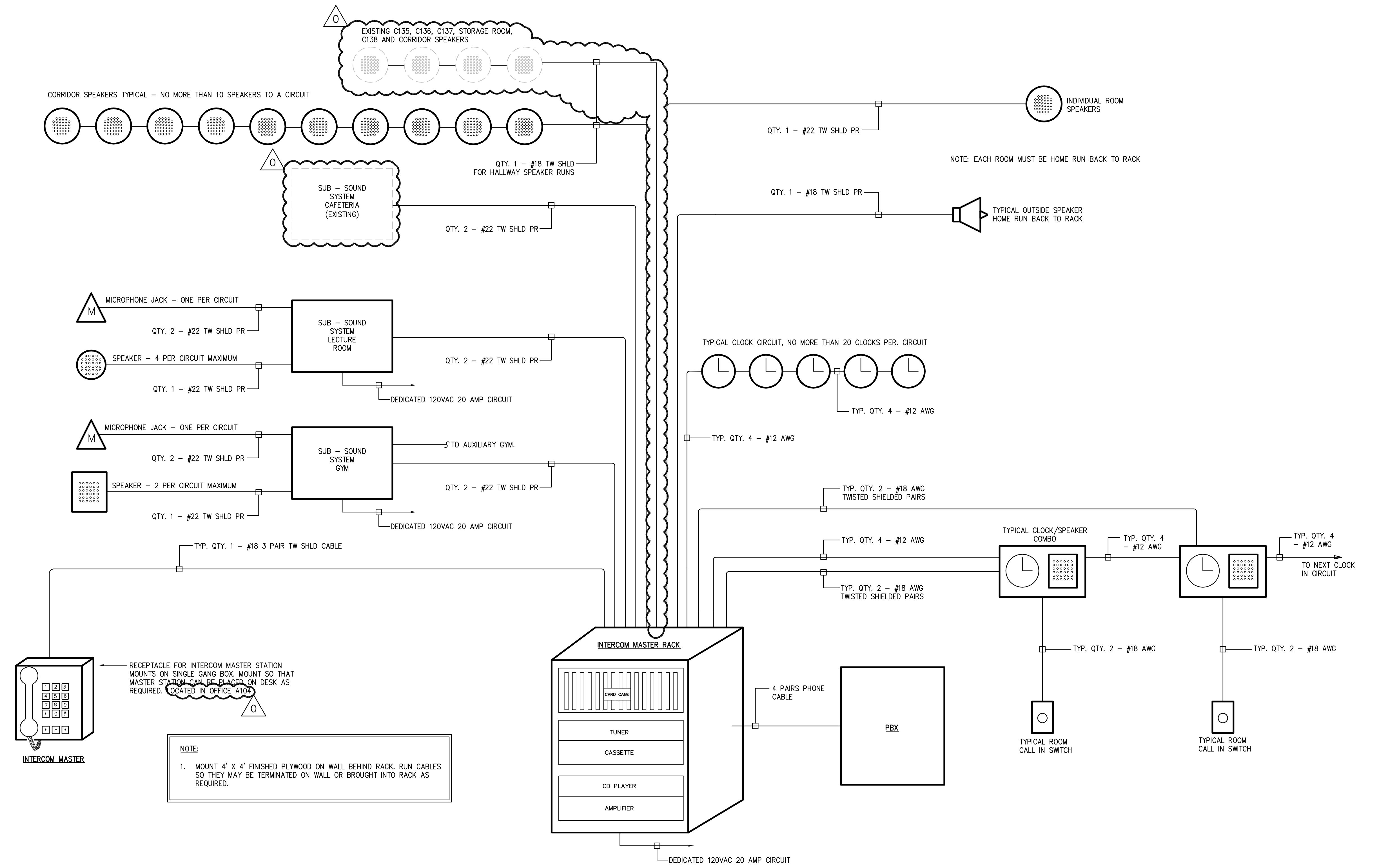
1 FIRE ALARM RISER DIAGRAM
E4.02 NONE

VOICE EVACUATION ZONES

ZONE #	DESCRIPTION
1	CAFETERIA (ETR)
2	GYMNASIUM (ETR)
3	AUXILIARY GYMNASIUM (ETR)
4	WING A
5	WING B
6	WING C
7	WING D

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title RISER DIAGRAM FIRE ALARM		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
△	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Scale NONE
		Approved By RR	Drawn By SEC
		Approved By RR	Approved By RR
		Project No. B-RT-843	Drawing No. E4.02
CAD No. 0532-E4.01			



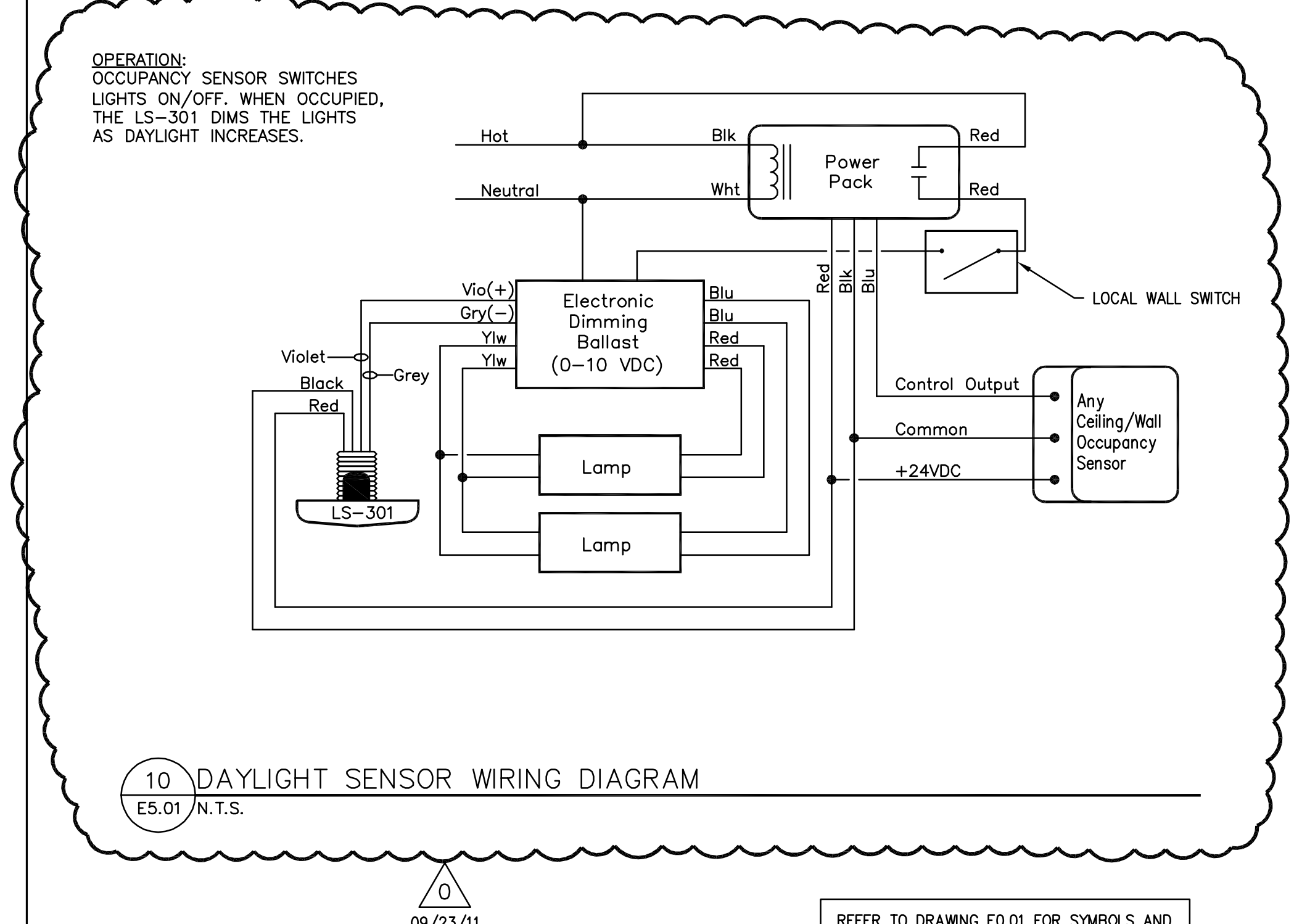
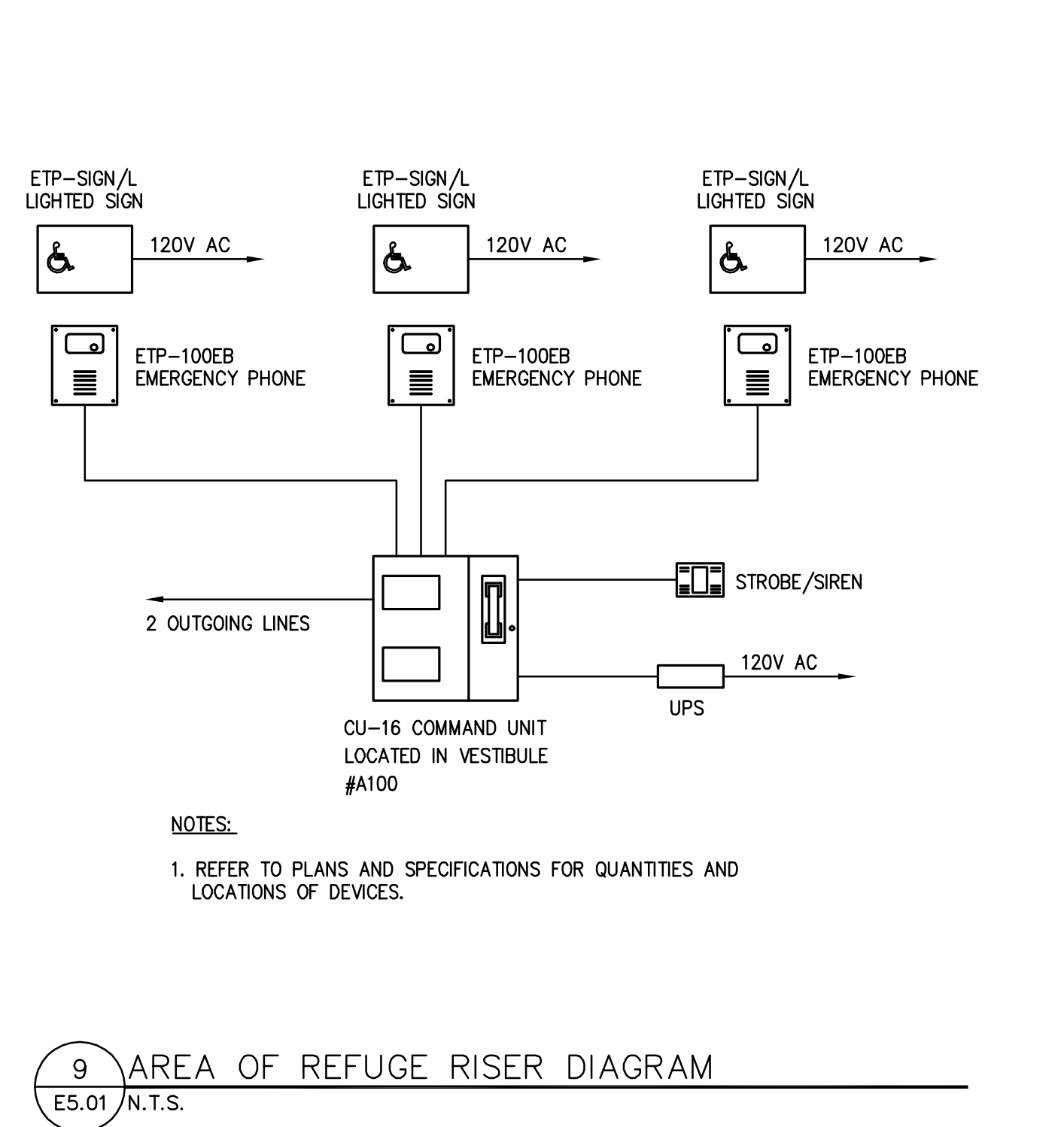
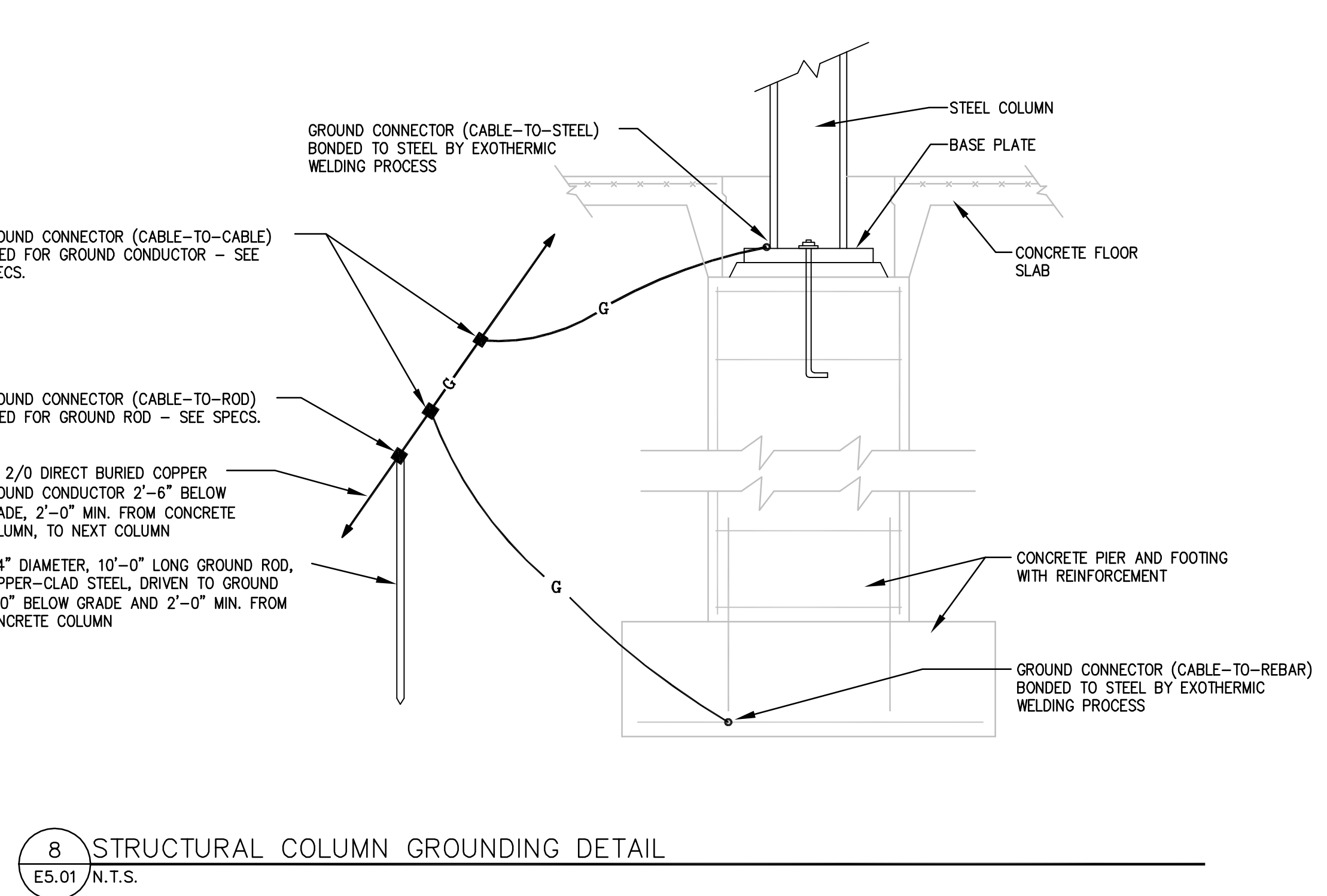
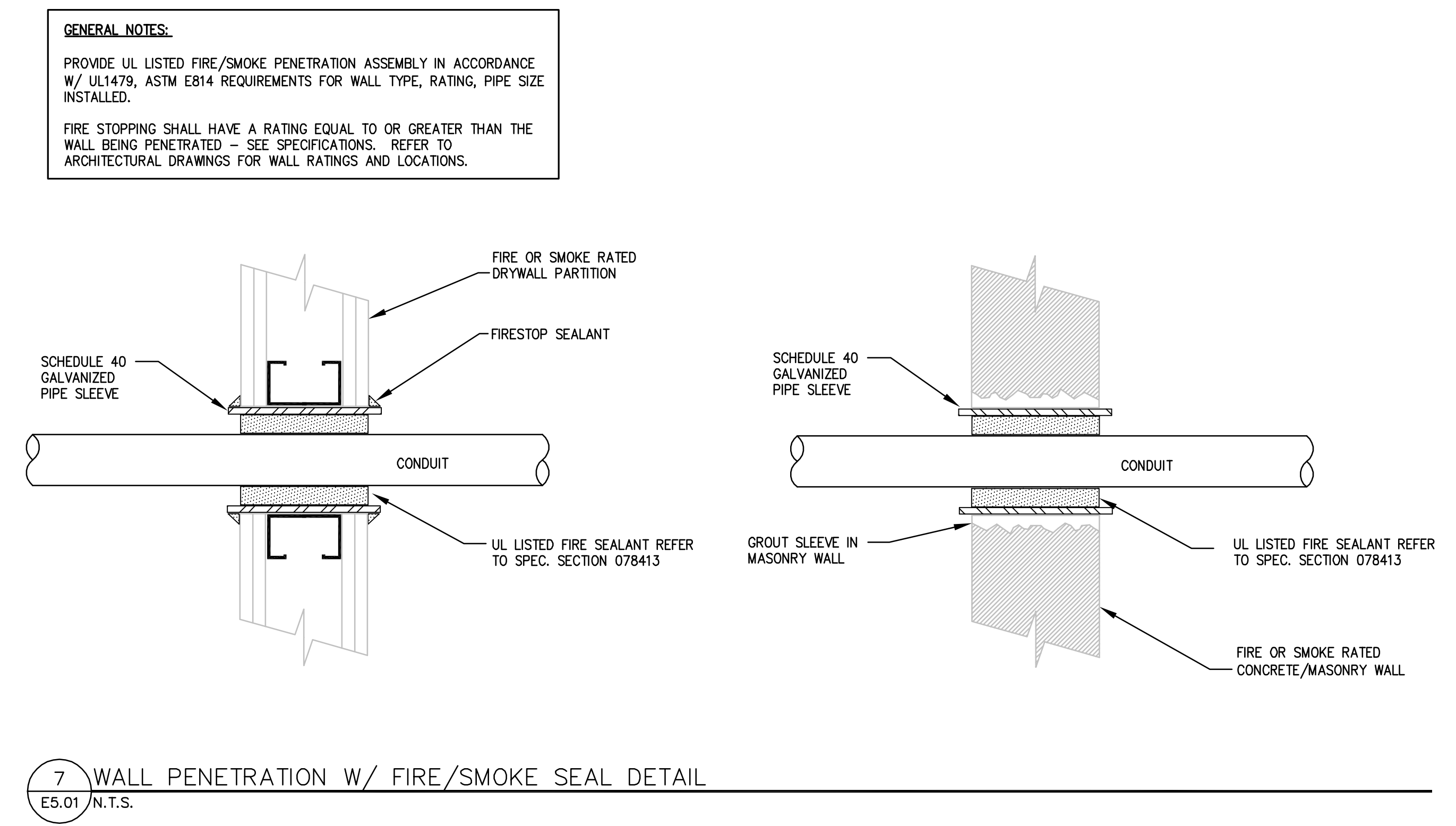
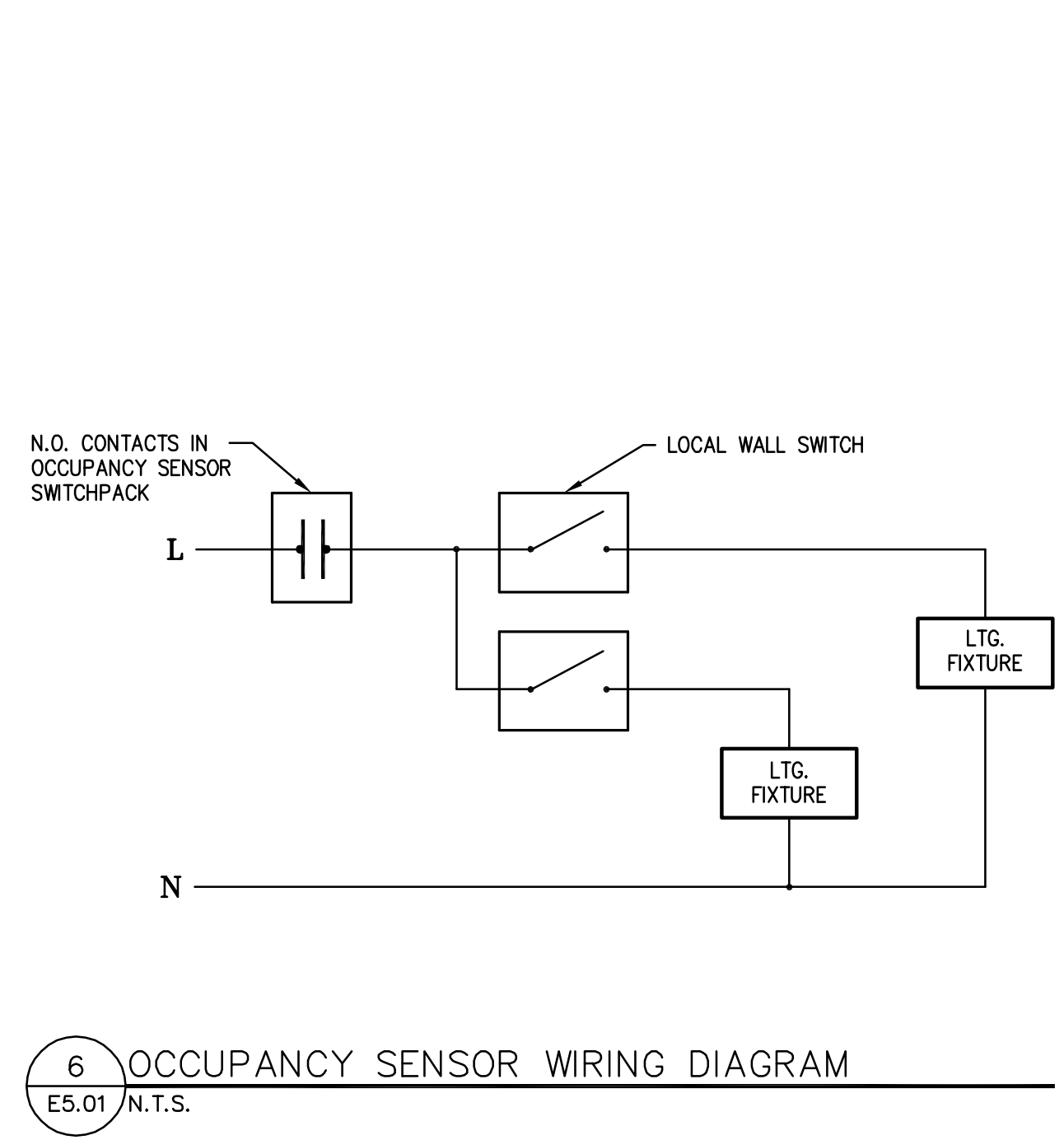
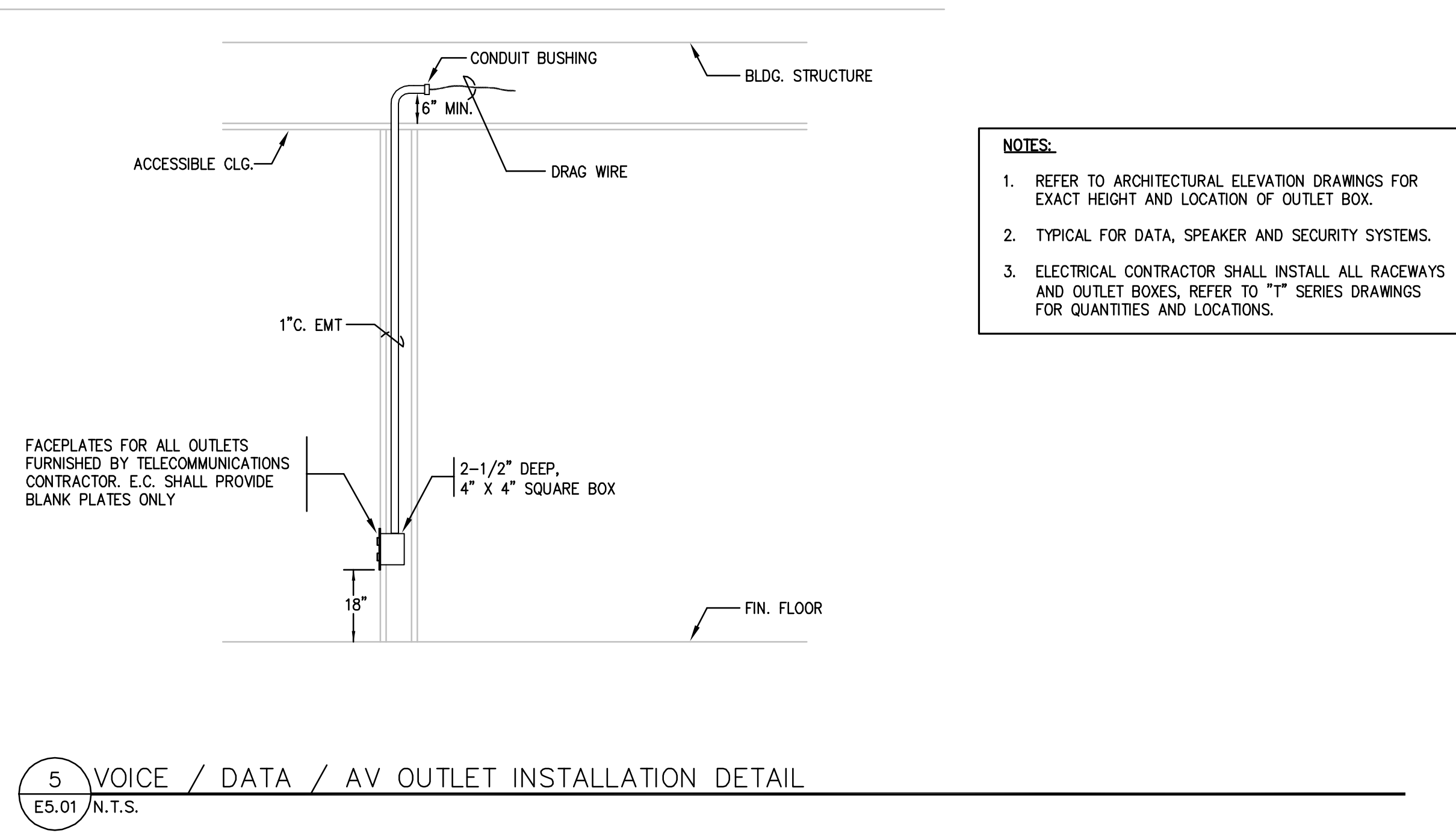
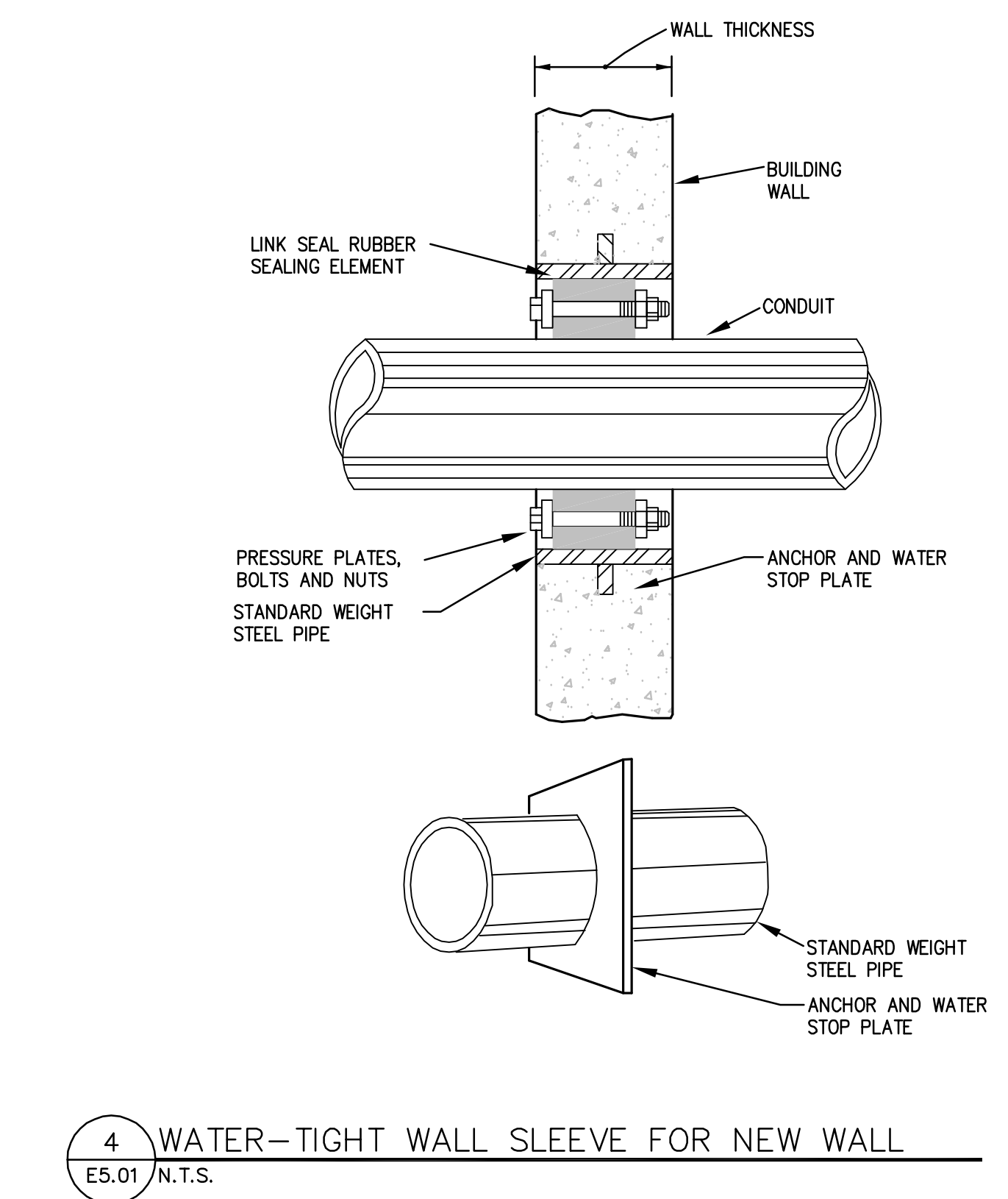
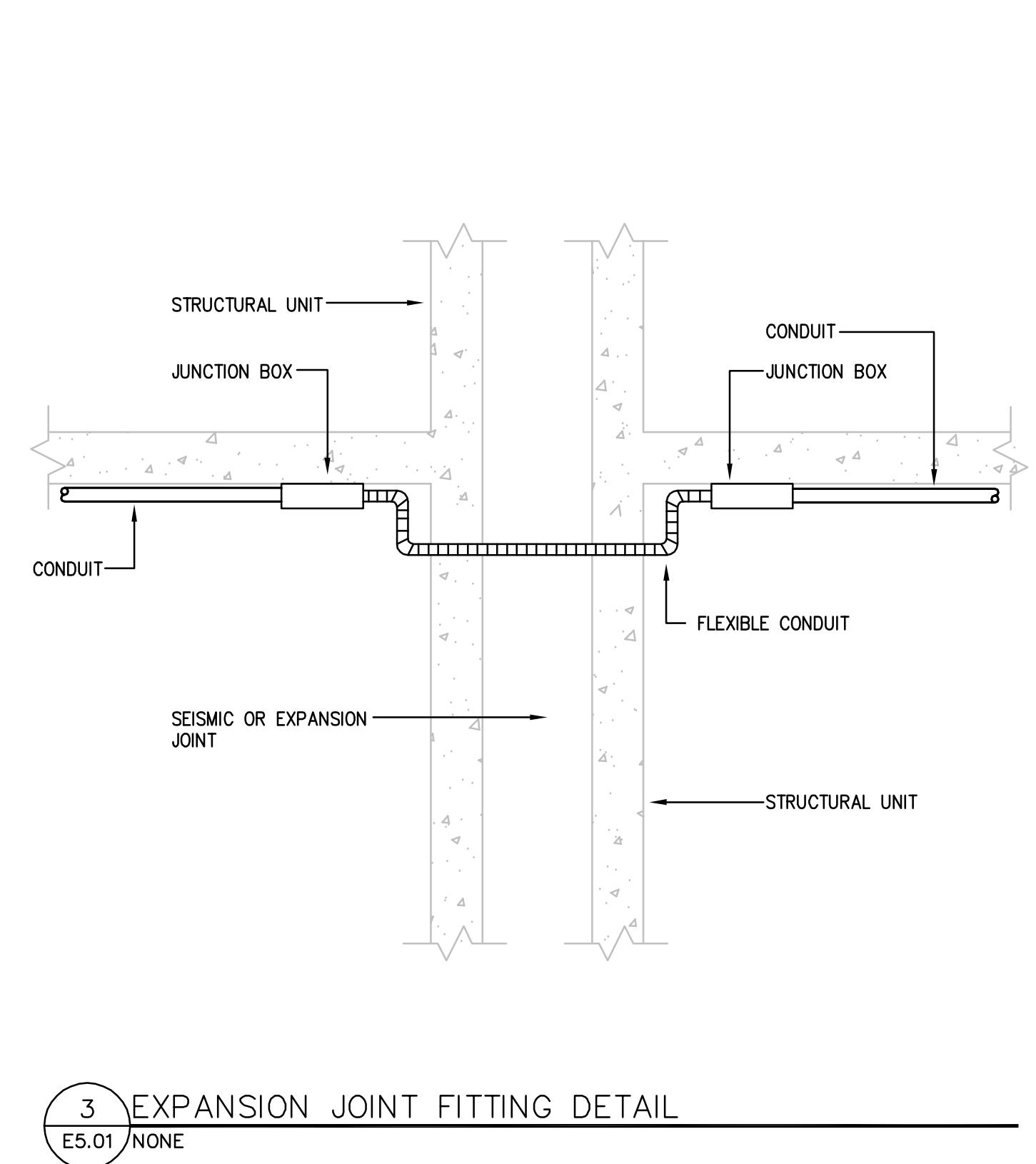
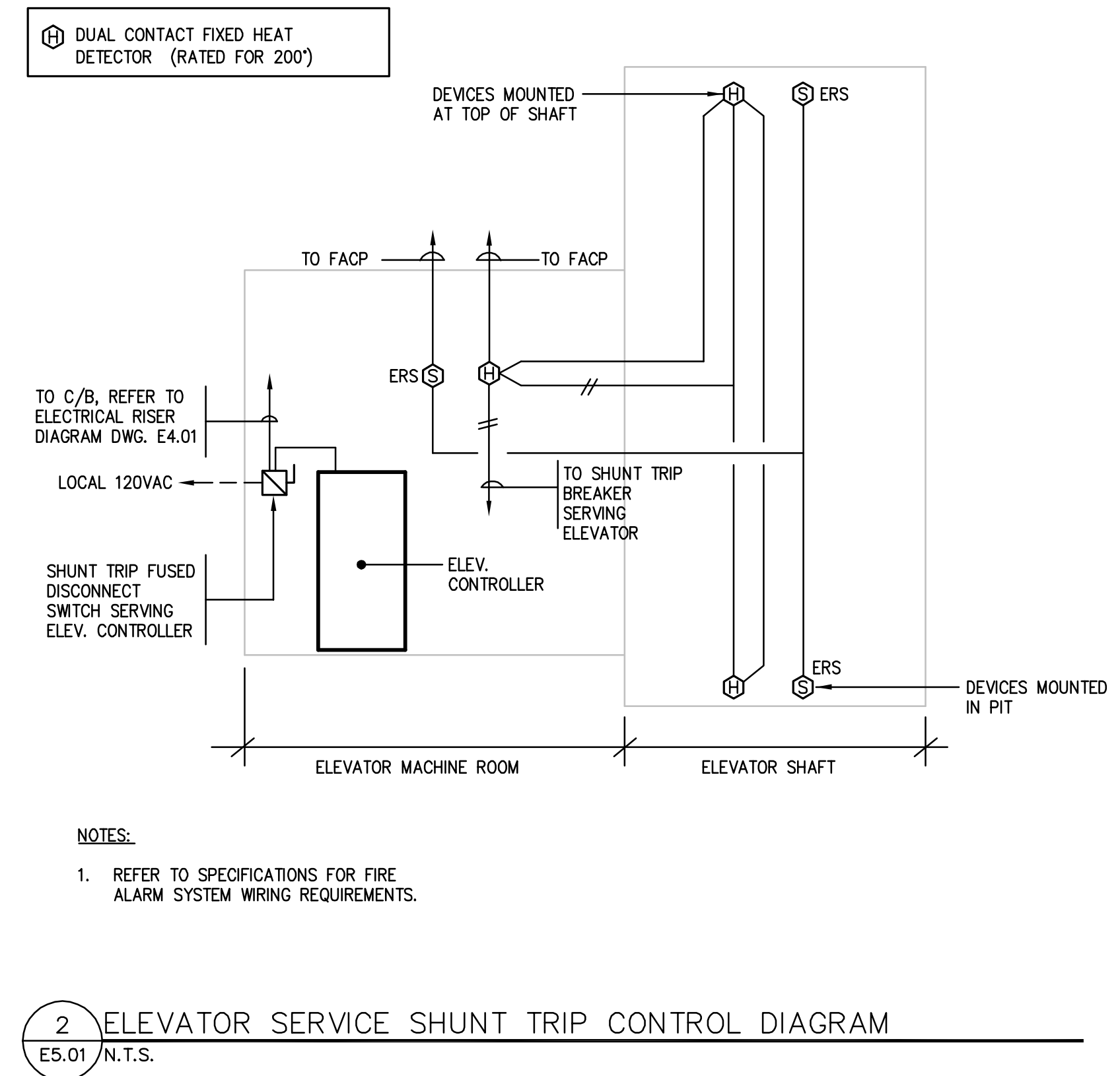
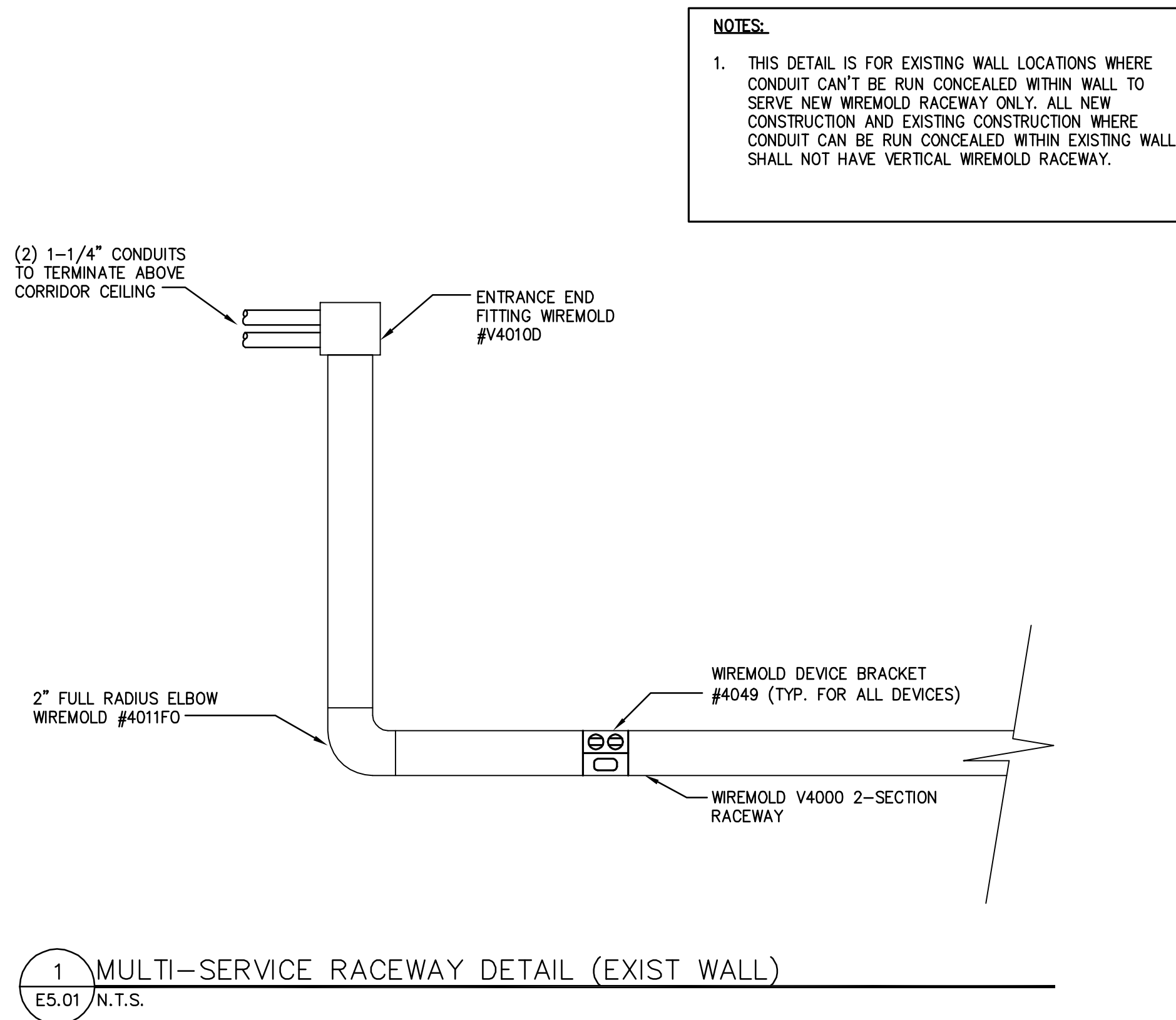
1 PUBLIC ADDRESS/CLOCK RISER DIAGRAM
E4.03 NONE

GENERAL NOTES

- CONTRACTOR SHALL PROVIDE ALL MODIFICATIONS AND ADDITIONS TO THE EXISTING CAFETERIA SOUND SYSTEM TO ALLOW FULL OPERATION INCLUDING ZONE AND ALL PAGING.
- CONTRACTOR SHALL PROVIDE COMPLETE STAND ALONE SUB SYSTEM IN OLD GYM AND LECTURE HALL COMPLETE WITH SPEAKERS, MICROPHONES, AM/FM-CD PLAYER, AMPLIFIER AND ALL REQUIRED ACCESSORIES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE WITH PA VENDOR FOR CAPACITY OF EXISTING FACP AND PROVIDE ALL REQUIRED MODIFICATIONS AND UPGRADES INCLUDING HARDWARE, SOFTWARE AND PROGRAMMING REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- CONTRACTOR SHALL PROVIDE COST OF REPLACING EXISTING CLOCKS THAT ARE NOT COMPATIBLE WITH NEW CLOCK SYSTEM.

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

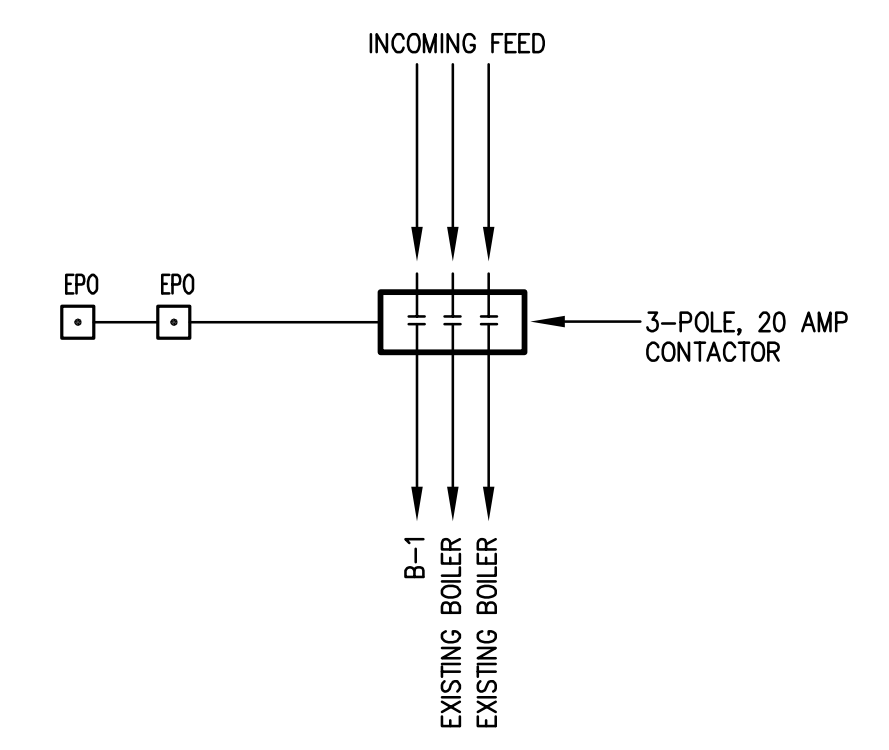
Drawing Title		STATE OF CONNECTICUT	
RISER DIAGRAM		DEPARTMENT OF PUBLIC WORKS	
PUBLIC ADDRESS/CLOCK			
REVISIONS			
Mark		Drawing Prepared By	Date:
△	REVISED: 09/09/2011	Tai Seo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	NONE
		Project	Drawn By
		H.C. Wilcox Technical High School	SEC
		Meriden, CT	Approved By
			RR
			Drawing No.
			E4.03
CAD No.	Project No.		
0532-E4.01	B-RT-843		



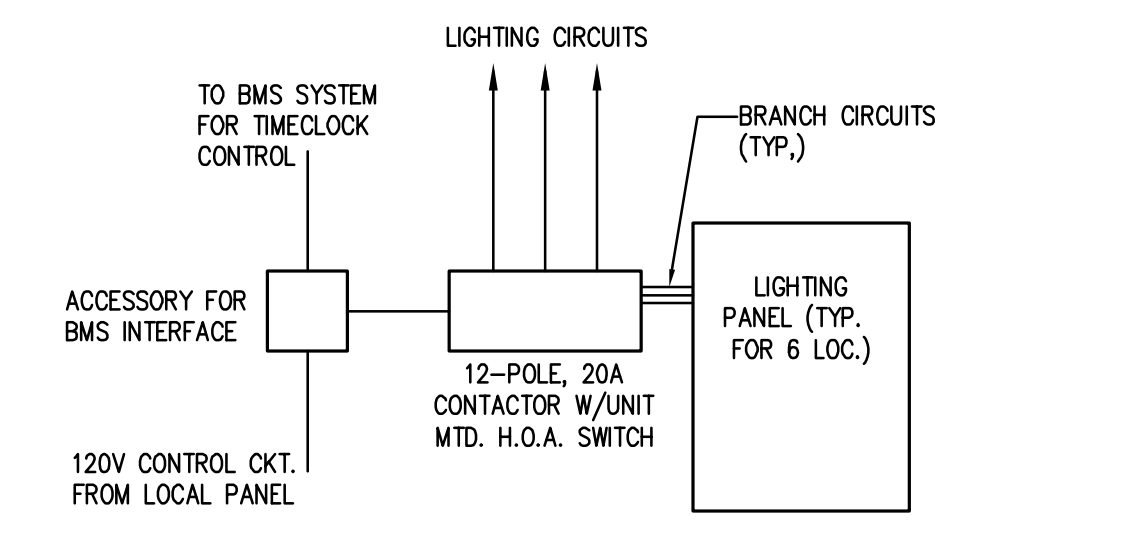
Drawing Title DETAILS - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Drawn By GTC Approved By Initials Drawing No. E5.01
CAD No. 0532-E5.01		Project No. BI-RT-843	

E.P.O. NOTES

- ACTIVATION OF EITHER "EMERGENCY POWER OFF" (EPO) SWITCH WILL OPEN THE CONTACTOR AND KILL POWER TO ALL BOILERS.



1 BOILER RM. C143 EPO WIRING DETAIL
E5.02 / N.T.S.

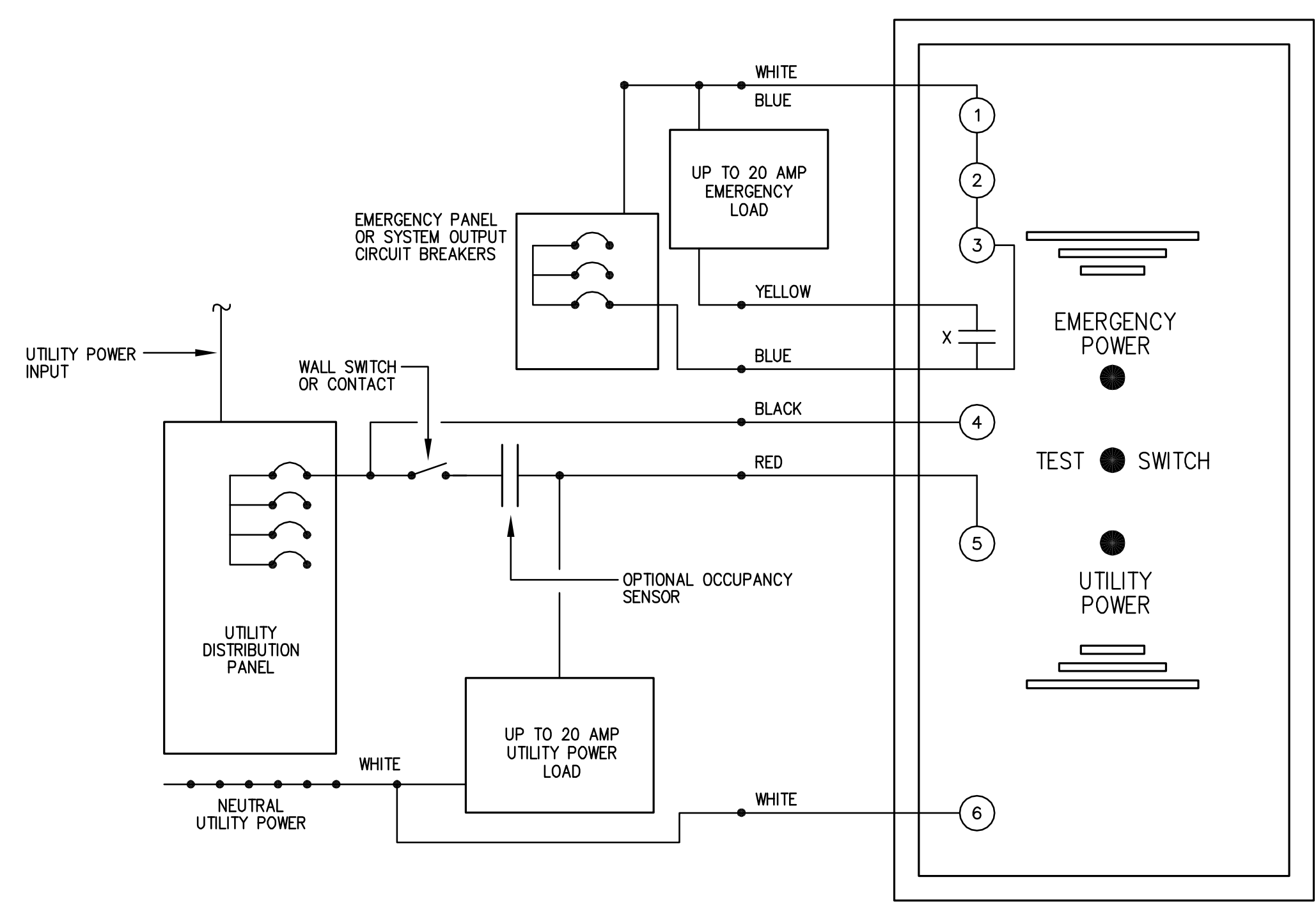


- NOTES:
- LIGHTING SHALL BE CIRCUITED VIA CONTACTOR AS INDICATED. EACH LIGHTING PANEL HAVE AN ASSOCIATED LIGHTING CONTACTOR AND BMS INTERFACE FOR SCHEDULED CONTROL OF BUILDING LIGHTING VIA THE BMS SYSTEM, COORDINATE WITH DIVISION 26 FOR INTERFACE REQUIREMENTS.

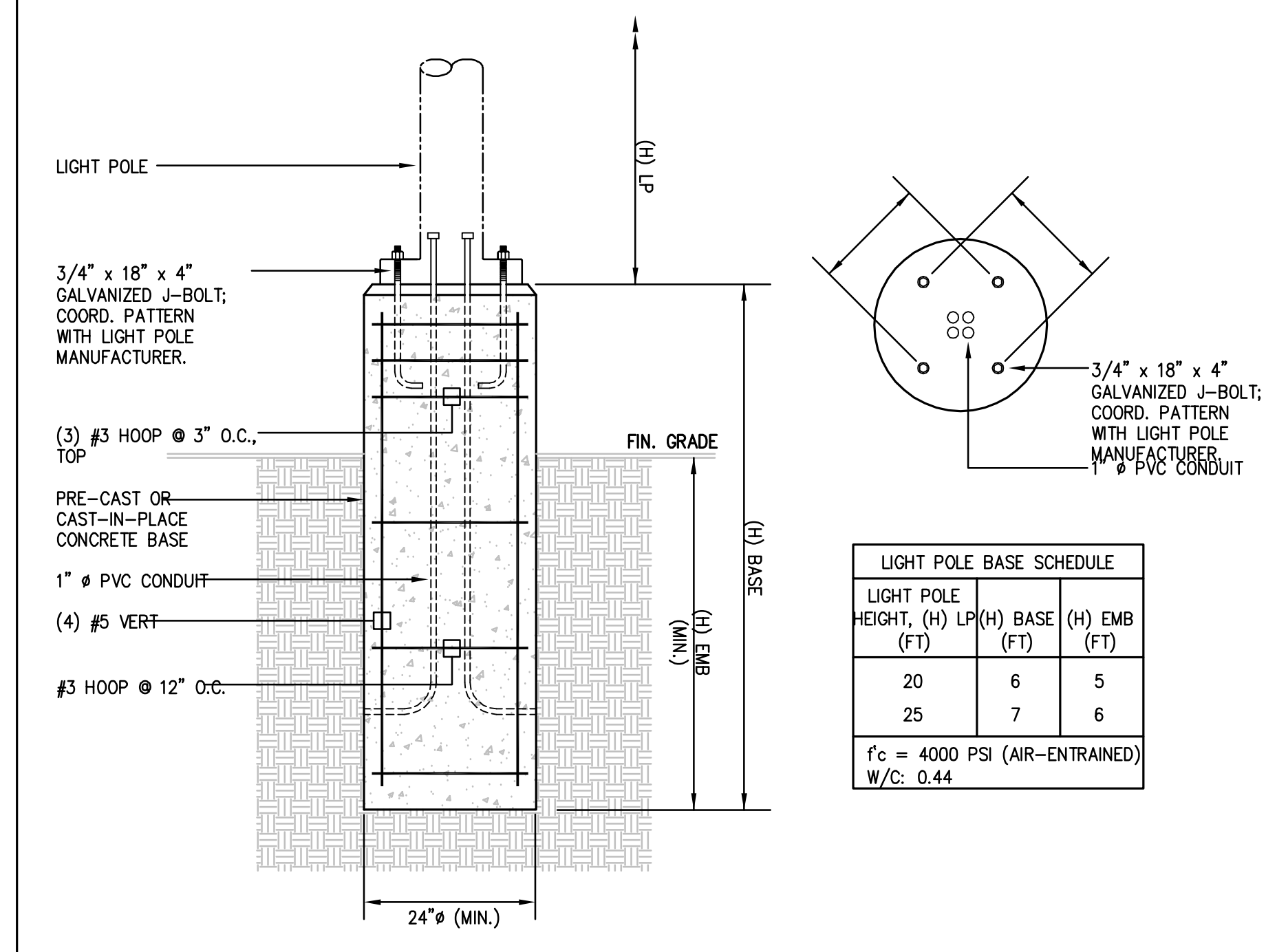
2 TYPICAL CORR. LIGHTING CONTROL WIRING DIAGRAM
E5.02 / NONE

BY-PASS RELAY NOTES

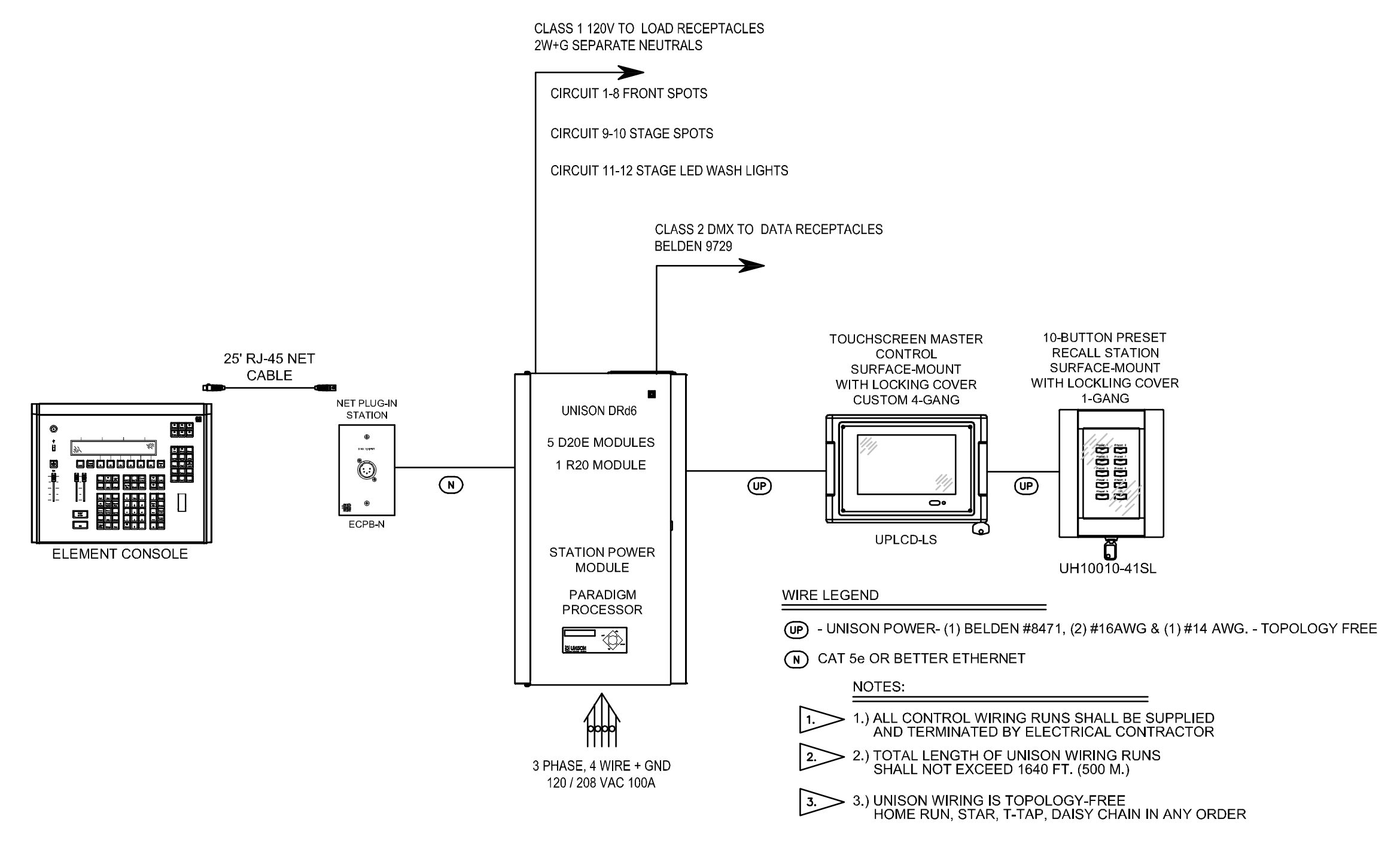
- CIRCUIT # 1 MONITOR THE 24 HOUR EMERGENCY PANEL POWER, ANY INTERRUPTION OF THE EMERGENCY POWER WILL GENERATE AN AUDIBLE ALARM AT THE HEPC DEVICE.
- CIRCUIT # 2 MONITORS UTILITY POWER AND PROVIDES POWER TO THE AUDIBLE DEVICE. ANY INTERRUPTION WILL CLOSE CONTACT X.
- CIRCUIT # 3 SENSES WHEN ROOM SWITCH IS ON AND THEN CLOSES CONTACT X, PROVIDING POWER TO THE EMERGENCY LOAD.



3 BY-PASS RELAY WIRING DIAGRAM
E5.02 / NONE

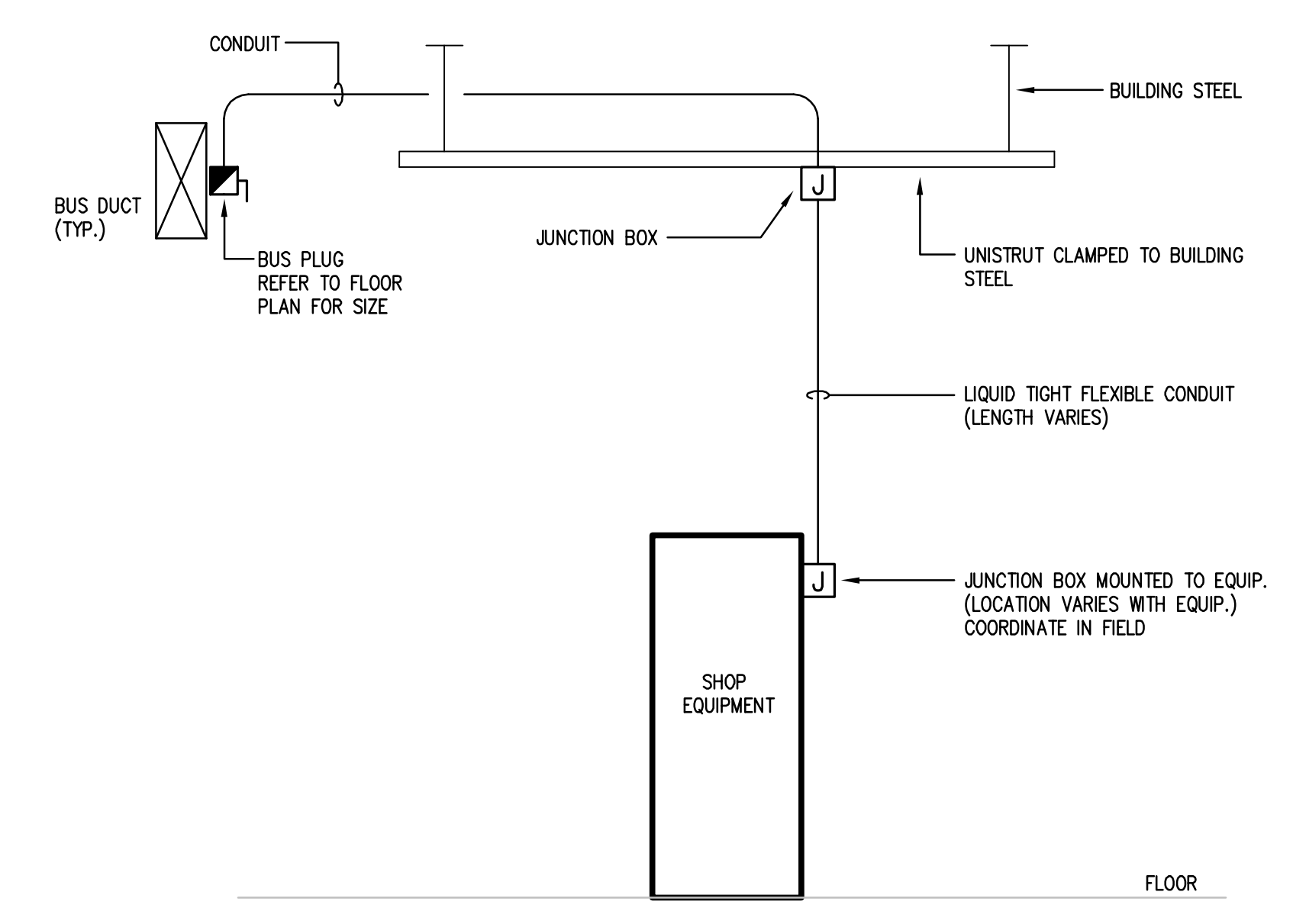


4 LIGHTING STANDARD (FOUNDATION) DETAIL
E5.02 / N.T.S.

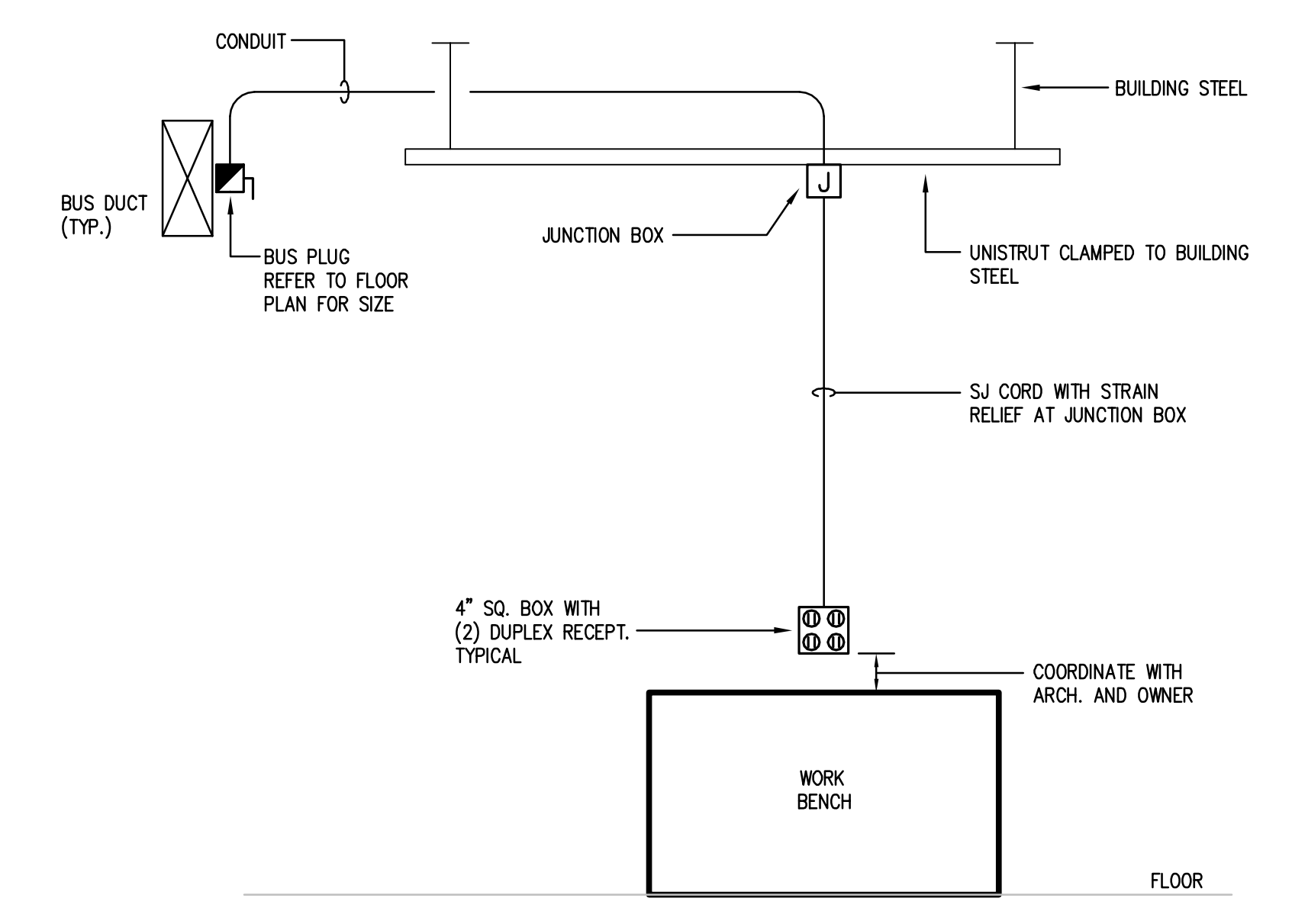


- WIRE LEGEND
- ① - UNISON POWER- (1) BELDEN #8471, (2) #16AWG & (1) #14 AWG. - TOPOLOGY FREE
 - ② - CAT 5e OR BETTER ETHERNET
- NOTES:
- ALL CONTROL WIRING RUNS SHALL BE SUPPLIED AND TERMINATED BY ELECTRICAL CONTRACTOR
 - TOTAL LENGTH OF UNISON WIRING RUNS SHALL NOT EXCEED 1640 FT. (500 M.)
 - UNISON WIRING IS TOPOLOGY-FREE HOME RUN, STAR, T-TAP, DAISY CHAIN IN ANY ORDER

5 STAGE LIGHTING CONTROL WIRING DIAGRAM
E5.02 / N.T.S.



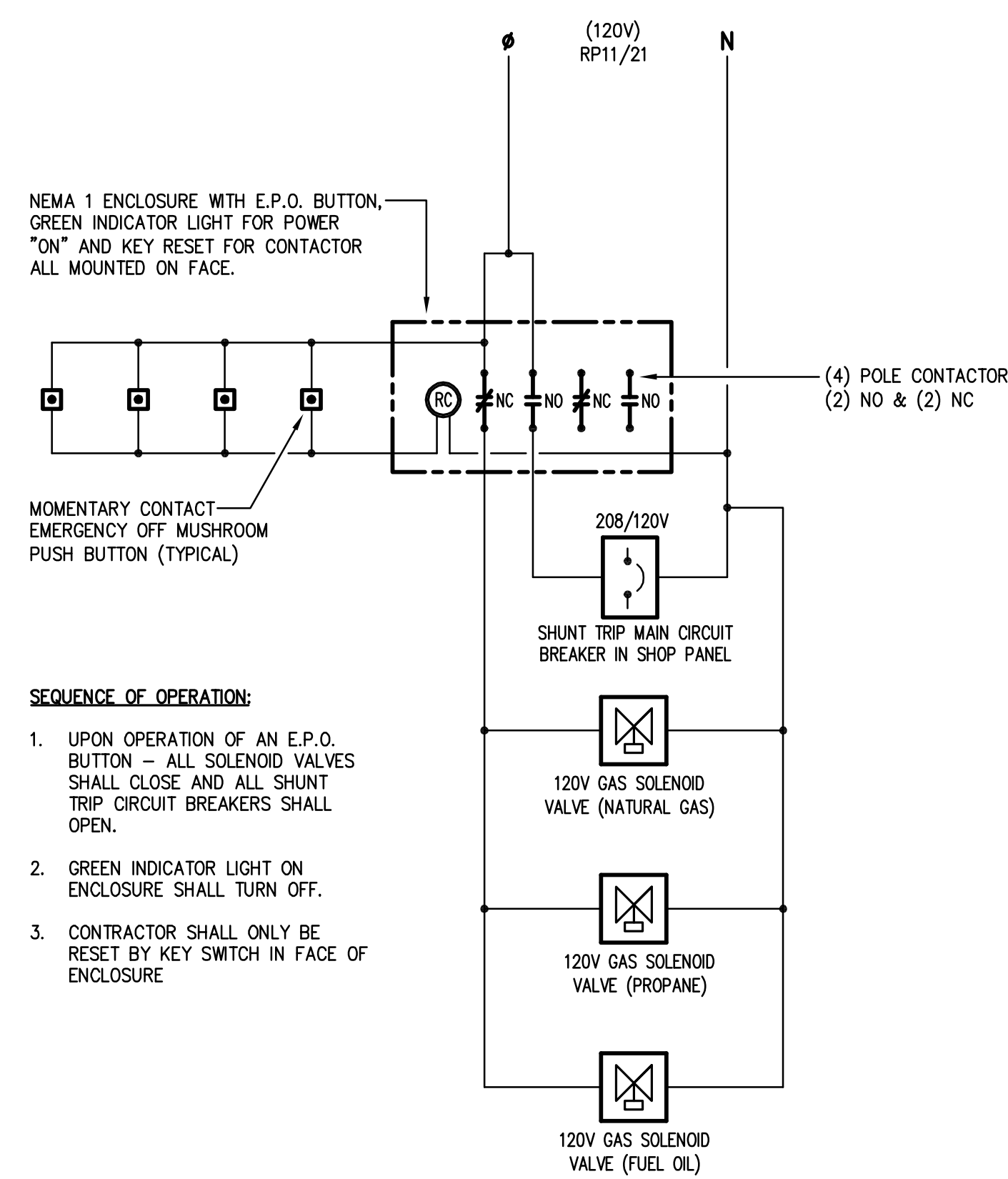
6 TYPICAL POWER DROP DETAIL TO SHOP EQUIPMENT
E5.02 / N.T.S.



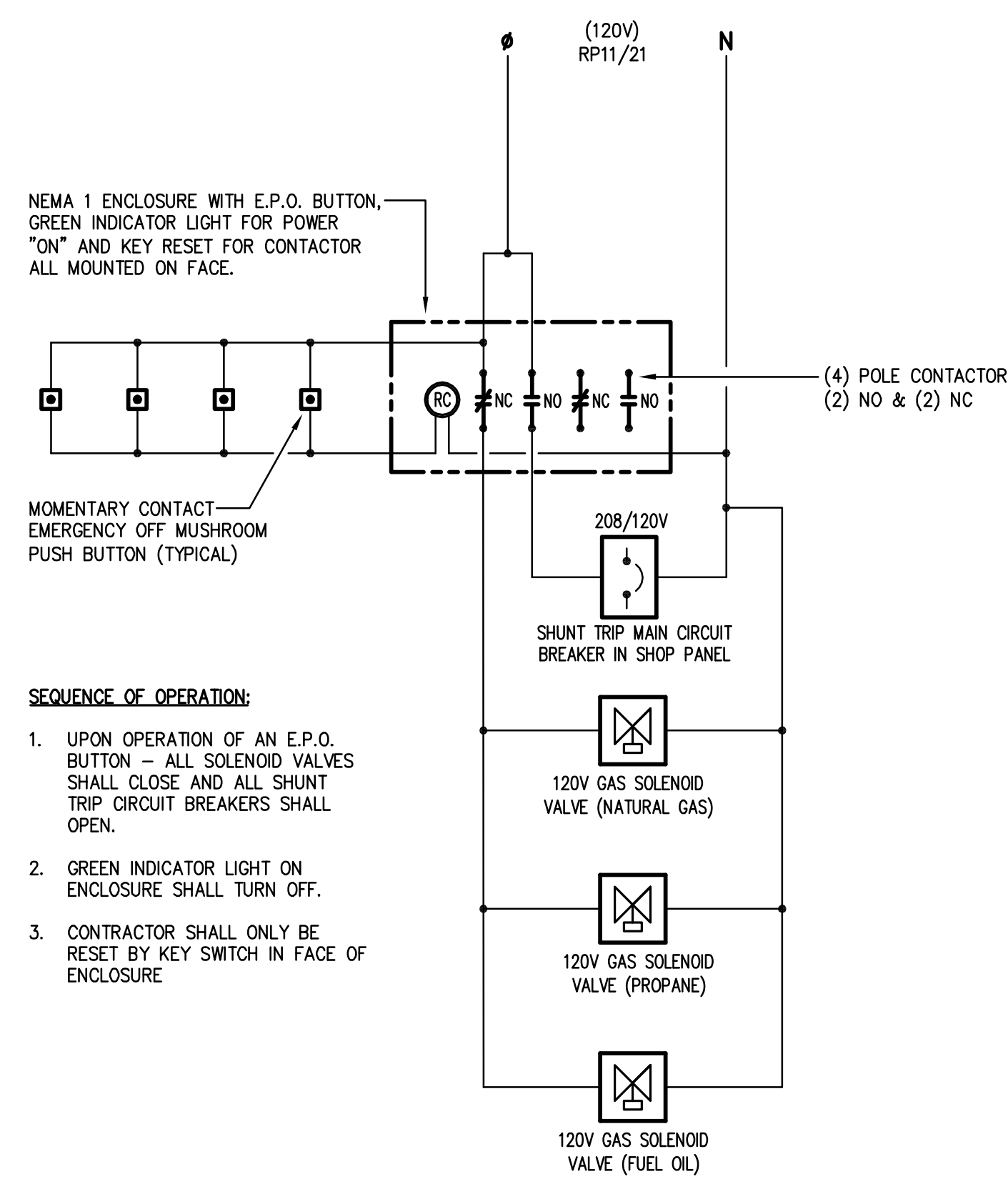
7 TYPICAL POWER DROP DETAIL TO SHOP BENCHES
E5.02 / N.T.S.

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title		STATE OF CONNECTICUT	
DETAILS - ELECTRICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By GTC Approved By Initials Drawing No.
		CAD No. 0532-E5.02	Project No. BI-RT-843 E5.02



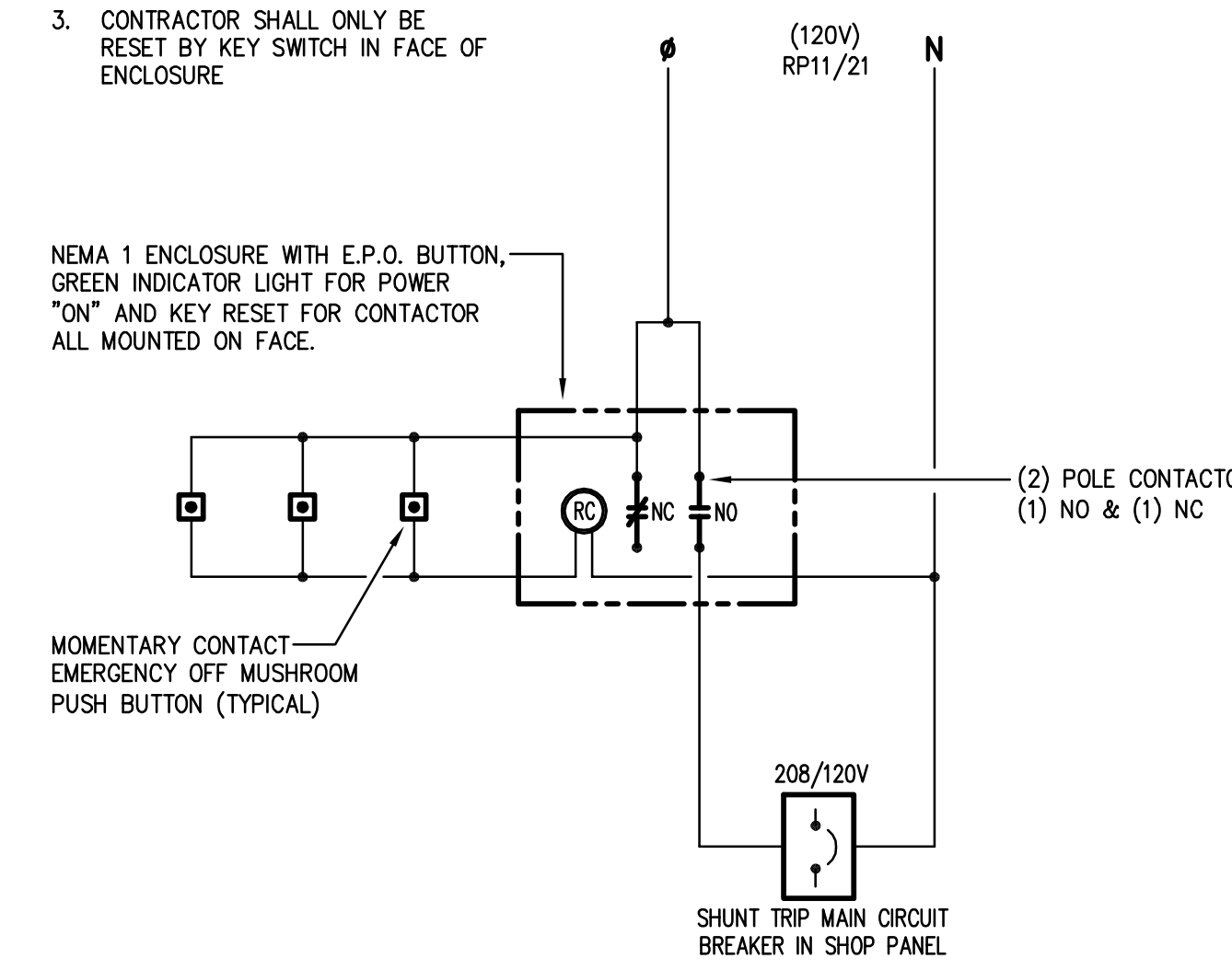
1 HVAC SHOP B102 – EPO WIRING DIAGRAM
E5.03 /NONE



2 PLUMBING SHOP B119 – EPO WIRING DIAGRAM
E5.03 /NONE

SEQUENCE OF OPERATION:

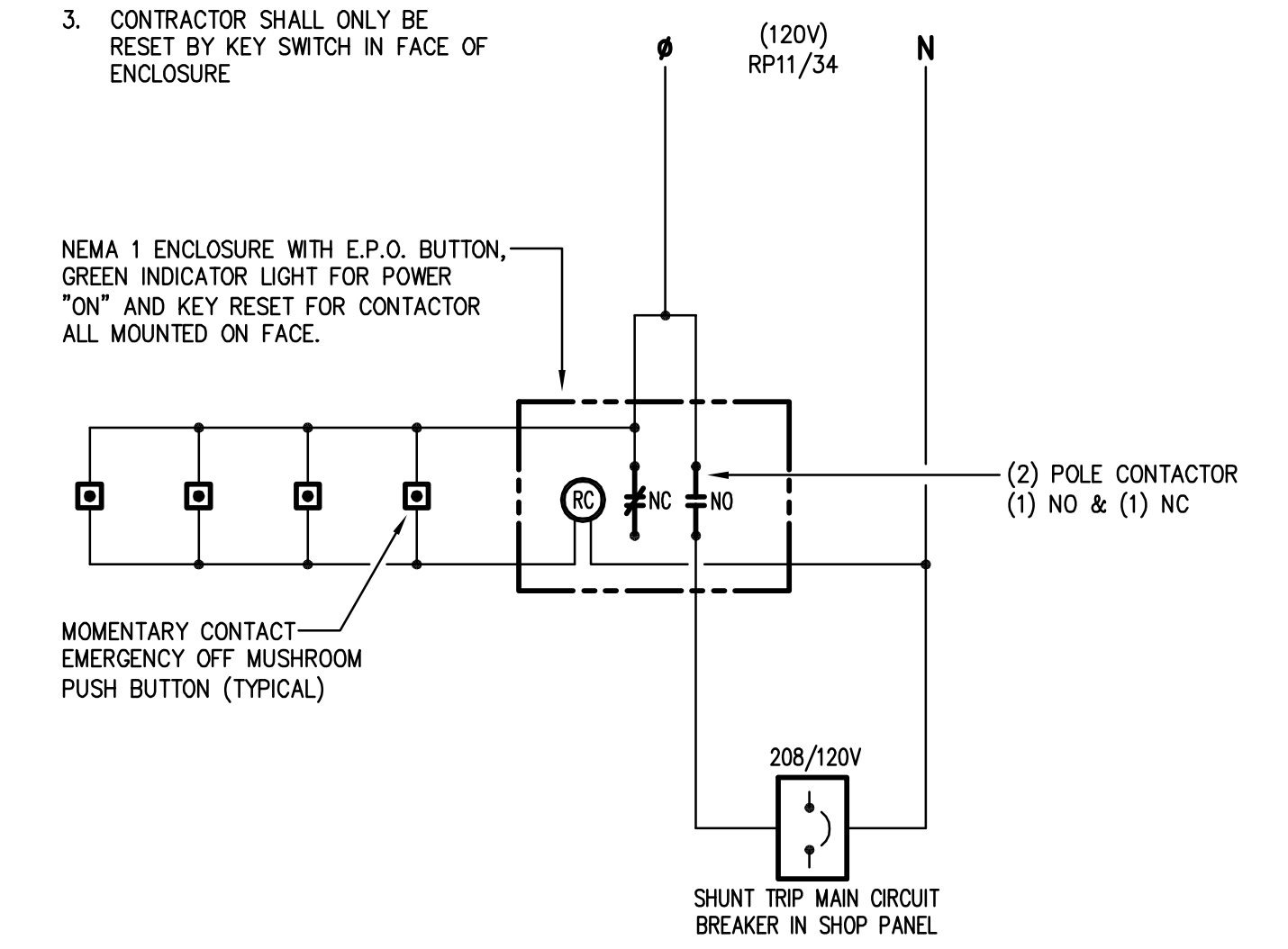
- UPON OPERATION OF AN E.P.O. BUTTON – ALL SHUNT TRIP CIRCUIT BREAKERS SHALL OPEN.
- GREEN INDICATOR LIGHT ON ENCLOSURE SHALL TURN OFF.
- CONTRACTOR SHALL ONLY BE RESET BY KEY SWITCH IN FACE OF ENCLOSURE.



3 ELECTRONICS SHOP B155 – EPO WIRING DIAGRAM
E5.03 /NONE

SEQUENCE OF OPERATION:

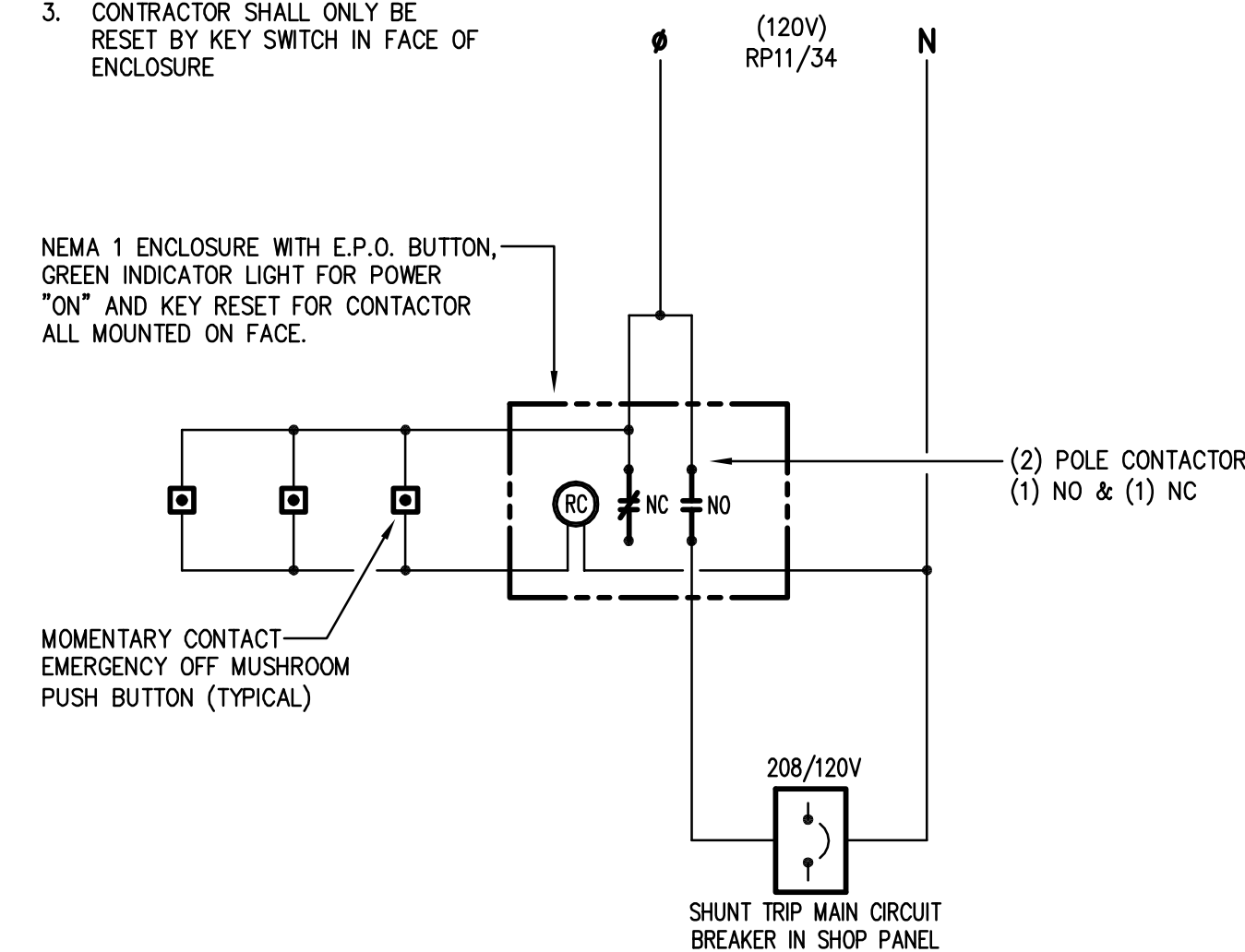
- UPON OPERATION OF AN E.P.O. BUTTON – ALL SHUNT TRIP CIRCUIT BREAKERS SHALL OPEN.
- GREEN INDICATOR LIGHT ON ENCLOSURE SHALL TURN OFF.
- CONTRACTOR SHALL ONLY BE RESET BY KEY SWITCH IN FACE OF ENCLOSURE.



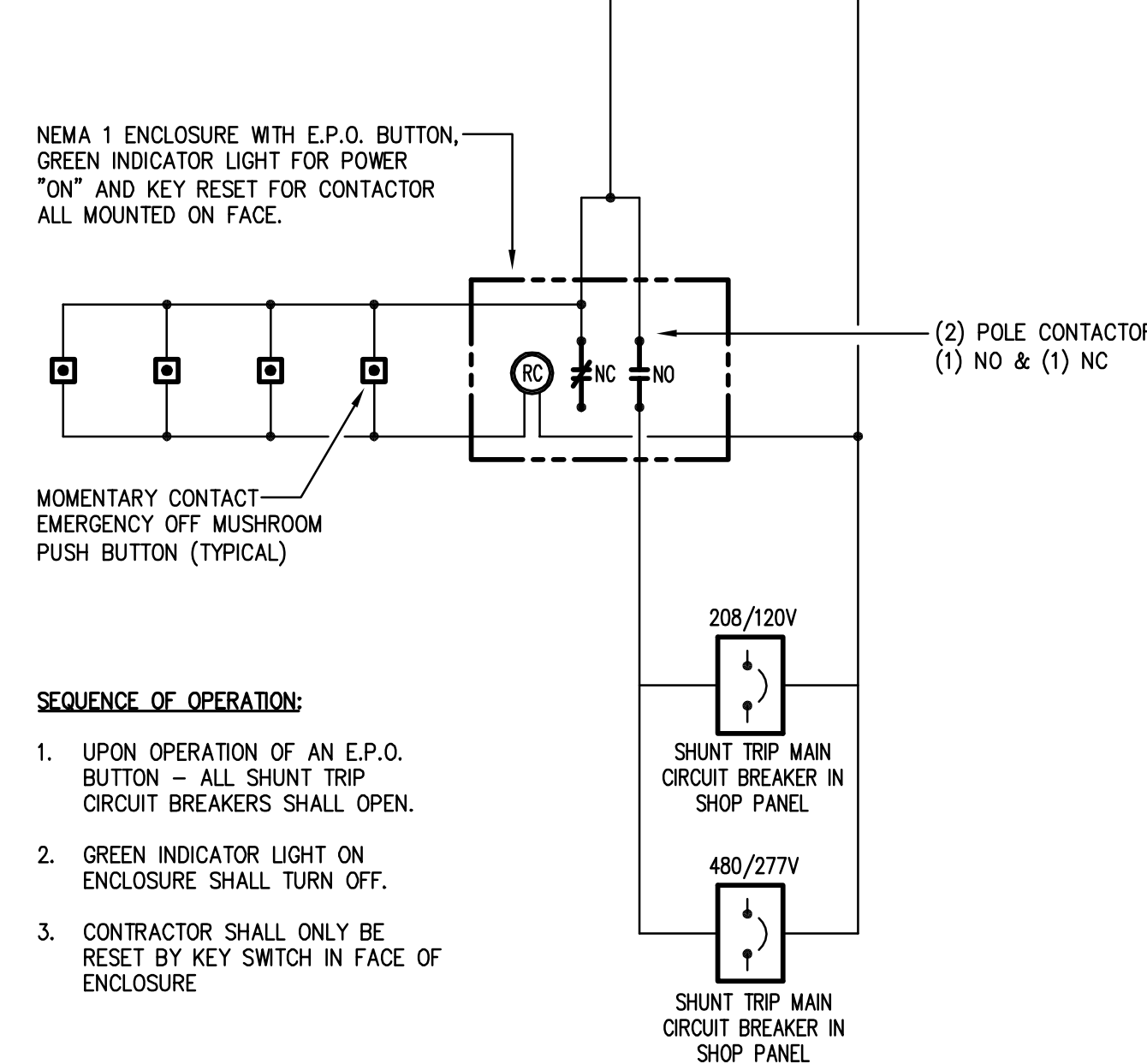
4 MANUFACTURING SHOP B112 – EPO WIRING DIAGRAM
E5.03 /NONE

SEQUENCE OF OPERATION:

- UPON OPERATION OF AN E.P.O. BUTTON – ALL SHUNT TRIP CIRCUIT BREAKERS SHALL OPEN.
- GREEN INDICATOR LIGHT ON ENCLOSURE SHALL TURN OFF.
- CONTRACTOR SHALL ONLY BE RESET BY KEY SWITCH IN FACE OF ENCLOSURE.



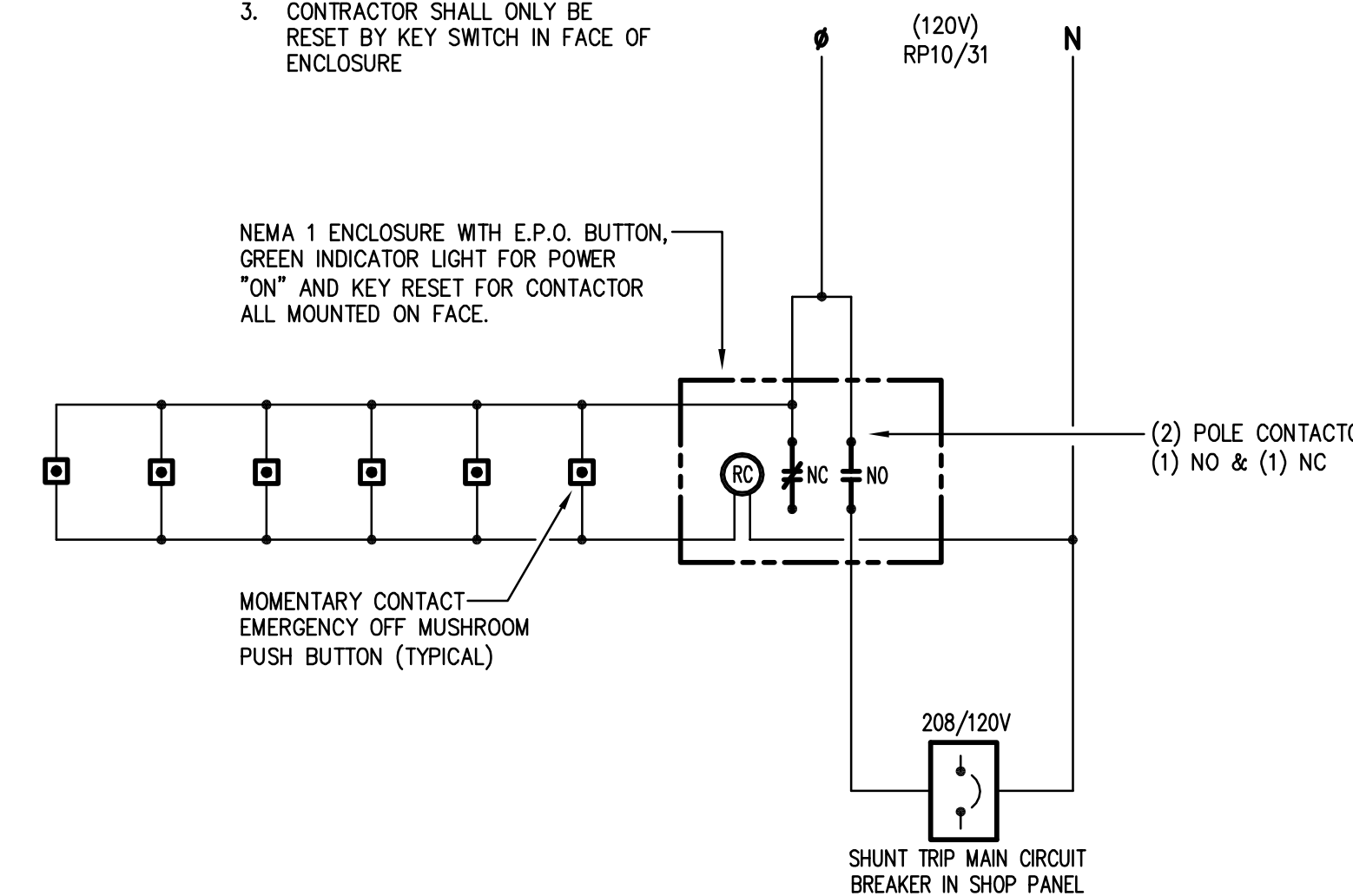
5 GRAPHICS SHOP B126 – EPO WIRING DIAGRAM
E5.03 /NONE



6 CARPENTRY SHOP B163 – EPO WIRING DIAGRAM
E5.03 /NONE

SEQUENCE OF OPERATION:

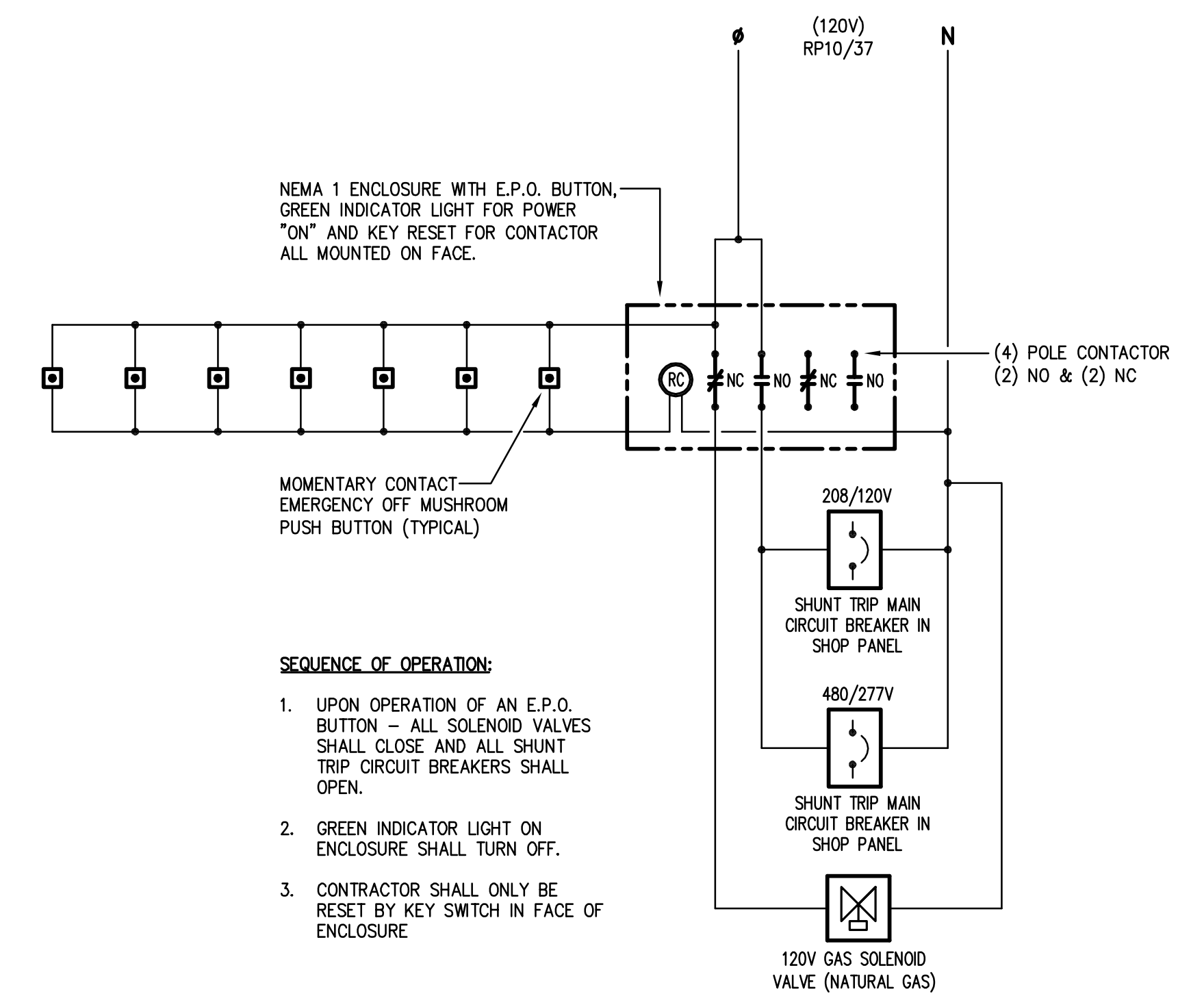
- UPON OPERATION OF AN E.P.O. BUTTON – ALL SHUNT TRIP CIRCUIT BREAKERS SHALL OPEN.
- GREEN INDICATOR LIGHT ON ENCLOSURE SHALL TURN OFF.
- CONTRACTOR SHALL ONLY BE RESET BY KEY SWITCH IN FACE OF ENCLOSURE.



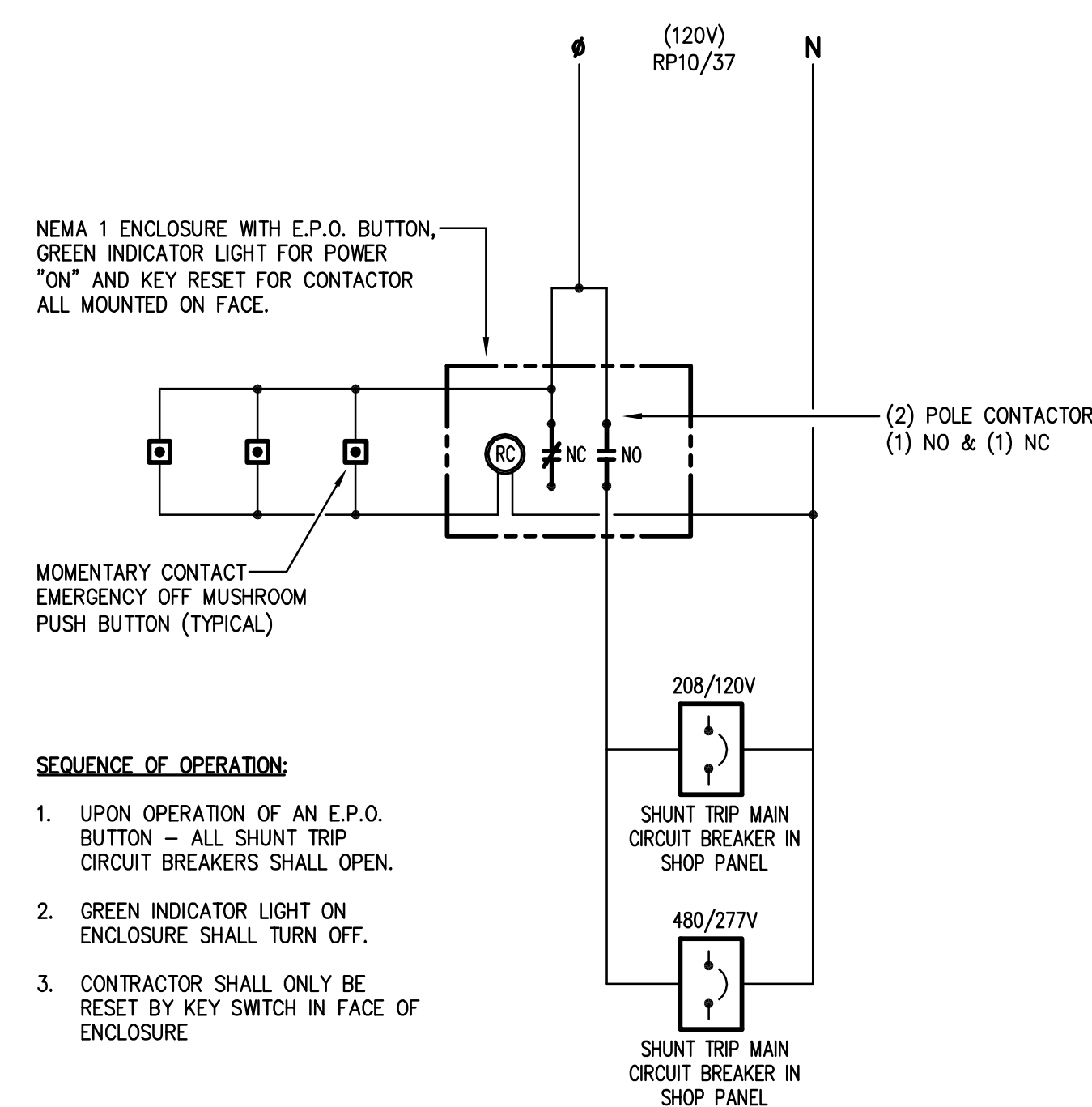
7 AUTOMOTIVE SHOP B195 & B186 – EPO WIRING DIAGRAM
E5.03 /NONE

SEQUENCE OF OPERATION:

- UPON OPERATION OF AN E.P.O. BUTTON – ALL SOLENOID VALVES SHALL CLOSE AND ALL SHUNT TRIP CIRCUIT BREAKERS SHALL OPEN.
- GREEN INDICATOR LIGHT ON ENCLOSURE SHALL TURN OFF.
- CONTRACTOR SHALL ONLY BE RESET BY KEY SWITCH IN FACE OF ENCLOSURE.



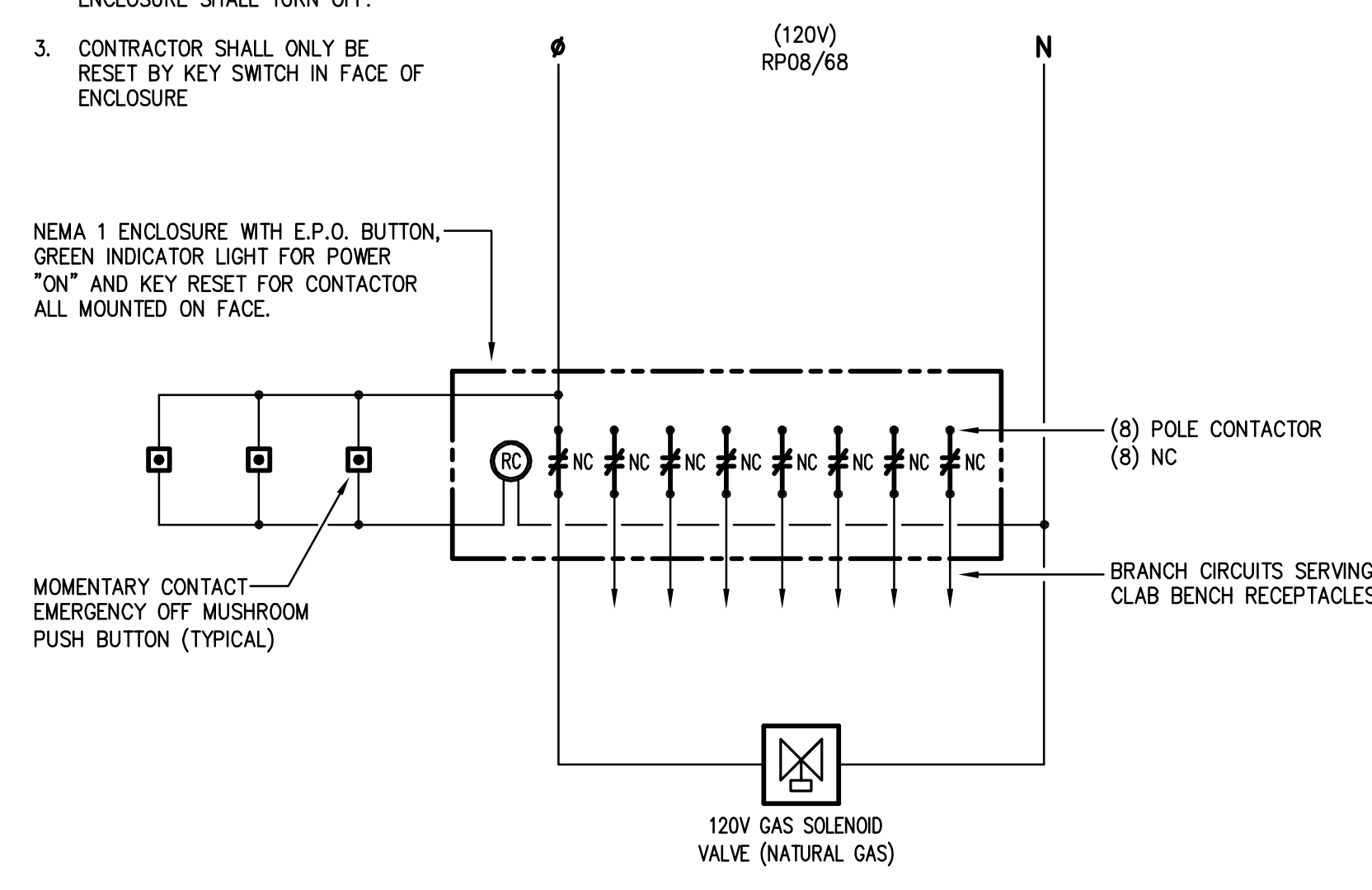
8 AUTO BODY SHOP B178 & B184 – EPO WIRING DIAGRAM
E5.03 /NONE



9 ELECTRICAL SHOP B171 – EPO WIRING DIAGRAM
E5.03 /NONE

SEQUENCE OF OPERATION:

- UPON OPERATION OF AN E.P.O. BUTTON – ALL SOLENOID VALVES SHALL CLOSE AND CONTACTS SHALL OPEN.
- GREEN INDICATOR LIGHT ON ENCLOSURE SHALL TURN OFF.
- CONTRACTOR SHALL ONLY BE RESET BY KEY SWITCH IN FACE OF ENCLOSURE.



10 TYPICAL SCIENCE CLAB – EPO WIRING DIAGRAM
E5.03 /NONE

REFER TO DRAWING E0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title		STATE OF CONNECTICUT	
DETAILS – ELECTRICAL		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale NONE
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By GTC	Approved By Initials
Drawing No. E5.03		Project No. B-RT-843	
CAD No. 0532-E5.01			

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C. LP05 225A MLO 225A BUS

LOAD SERVED	WIRE & CONDUIT	PHASE	POLE	LOAD IN WATTS			POLE	PHASE	WIRE & CONDUIT	LOAD SERVED	POLE	
				aA	aB	aC						
1 LIGHTS #A144	2 #12+G -3/4"C	20	1	2800			1	20	2 #12+G -3/4"C	LIGHTS #A101	2	
3 LIGHTS #A126	2 #12+G -3/4"C	20	1		2205	1420	1	20	2 #12+G -3/4"C	CORRIDOR LTG	4	
5 LIGHTS #A150	2 #12+G -3/4"C	20	1			2610	1800	1	20	2 #8+ #8G -1"C	SITE LTG	6
7 STAIR LIGHTS #A2	2 #12+G -3/4"C	20	1		1350			1	20	2 #8+ #8G -1"C	SITE LTG	8
9 LIGHTS #C101	2 #12+G -3/4"C	20	1		2100	1125		1	20	2 #12+G -3/4"C	EXTERIOR BLDG LIGHTS	10
11 LIGHTS #C101	2 #12+G -3/4"C	20	1			1500		1	20	2 #8+ #8G -1"C	SITE LTG	12
13		20	1					1	20			14
15		20	1					1	20			16
17		20	1					1	20			18
19		20	1					1	20			20
21		20	1					1	20			22
23		20	1					1	20			24
25		20	1					1	20			26
27		20	1					1	20			28
29		20	1					1	20			30
31		20	1					1	20			32
33		20	1					1	20			34
35		20	1					1	20			36
37												38
39 PNL "CRP1" VIA TX	4 #3 + #8G -1 1/2"C	80	3					3	80	4 #3 + #8G -1 1/2"C	PNL "RP05" VIA TX	40
41												42
LOAD PER PHASE				5950	8875	11310						
(SURFACE MTD) TOTAL =				26,135								

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C. LP06 225A MLO 225A BUS

LOAD SERVED	WIRE & CONDUIT	PHASE	POLE	LOAD IN WATTS			POLE	PHASE	WIRE & CONDUIT	LOAD SERVED	POLE	
				aA	aB	aC						
1 LIGHTS #A163	2 #12+G -3/4"C	20	1	3360	3210		1	20	2 #12+G -3/4"C	LIGHTS #A169B	2	
3 LIGHTS #A163	2 #12+G -3/4"C	20	1		2905	3875		1	20	2 #12+G -3/4"C	LIGHTS #A169B	4
5 LIGHTS #A163	2 #12+G -3/4"C	20	1			3185		1	20	2 #12+G -3/4"C		6
7 LIGHTS #A163	2 #12+G -3/4"C	20	1		2500			1	20	2 #12+G -3/4"C	STAIR LIGHTS #A5	8
9 LIGHTS #A163	2 #12+G -3/4"C	20	1		3220			1	20	2 #12+G -3/4"C	STAIR LIGHTS # A4	10
11 LIGHTS #A163	2 #12+G -3/4"C	20	1			1715		1	20	2 #8+ #8G -1"C	SITE LTG	12
13		20	1					1	20			14
15		20	1					1	20			16
17		20	1					1	20			18
19		20	1					1	20			20
21		20	1					1	20			22
23		20	1					1	20			24
25		20	1					1	20			26
27		20	1					1	20			28
29		20	1					1	20			30
31		20	1					1	20			32
33		20	1					1	20			34
35		20	1					1	20			36
37												38
39 PNL "CRP2" VIA TX	4 #3 + #8G -1 1/2"C	80	3					3	80	4 #3 + #8G -1 1/2"C	PNL "RP06" VIA TX	40
41												42
LOAD PER PHASE				9090	9100	4900						
(SURFACE MTD) TOTAL =				23,090								

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C. LP07 100A MLO 100A BUS

LOAD SERVED	WIRE & CONDUIT	PHASE	POLE	LOAD IN WATTS			POLE	PHASE	WIRE & CONDUIT	LOAD SERVED	POLE	
				aA	aB	aC						
1 LIGHTS #A217	2 #12+G -3/4"C	20	1	3500	1580		1	20	2 #12+G -3/4"C	LIGHTS #A201A	2	
3 LIGHTS #A217	2 #12+G -3/4"C	20	1		3360	1170		1	20	2 #12+G -3/4"C	CANOPY LIGHTS	4
5 LIGHTS #A217	2 #12+G -3/4"C	20	1			3360		1	20			6
7		20	1					1	20			8
9		20	1					1	20			10
11		20	1					1	20			12
13		20	1					1	20			14
15		20	1					1	20			16
17		20	1					1	20			18
19		20	1					1	20			20
21		20	1					1	20			22
23		20	1					1	20			24
25		20	1					1	20			26
27		20	1					1	20			28
29		20	1					1	20			30
31		20	1					1	20			32
33		20	1					1	20			34
35		20	1					1	20			36
37												38
39												40
41												42
LOAD PER PHASE				5080	4530	3360						
(SURFACE MTD) TOTAL =				12,970								

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C. LP08 225A MLO 225A BUS

LOAD SERVED	WIRE & CONDUIT	PHASE	POLE	LOAD IN WATTS			POLE	PHASE	WIRE & CONDUIT	LOAD SERVED	POLE	
				aA	aB	aC						
1 LIGHTS #A238	2 #12+G -3/4"C	20	1	3360	2310		1	20	2 #12+G -3/4"C	LIGHTS #A236	2	
3 LIGHTS #A235	2 #12+G -3/4"C	20	1		3360	3010		1	20	2 #12+G -3/4"C	CORR. LTS #A201C	4
5 LIGHTS #A223	2 #12+G -3/4"C	20	1			3360	3395	1	20	2 #12+G -3/4"C	CORR. LTS #A201C	6
7 CORR. LTS #A201F	2 #12+G -3/4"C	20	1		3670			1	20			8
9 LIGHTS #A153	2 #12+G -3/4"C	20	1		3450			1	20			10
11 LIGHTS #A153	2 #12+G -3/4"C	20	1			1540		1	20			12
13		20	1					1	20			14
15		20	1					1	20			16
17		20	1					1	20			18
19		20	1					1	20			20
21		20	1					1	20			22
23		20	1					1	20			24
25		20	1					1	20			26
27		20	1					1	20			28
29		20	1					1	20			30
31		20	1					1	20			32
33		20	1					1	20			34
35		20	1					1	20			36
37												38
39 PNL "CRP4" VIA TX	4 #3 + #8G -1 1/2"C	80	3					3	150	4 #3 + #8G -1 1/2"C	PNL "RP08" VIA TX	40
41												42
LOAD PER PHASE				9340	6370	6755						
(SURFACE MTD) TOTAL =				22,465								

480/277V 42,000 A.I.C. LP09 225A MLO 225A BUS

LOAD SERVED	WIRE & CONDUIT	PHASE	POLE	LOAD IN WATTS			POLE	PHASE	WIRE & CONDUIT	LOAD SERVED	POLE	
				aA	aB	aC						
1		20	1				1	20			2	
3		20	1				1	20			4	
5		20	1				1	20			6	
7		20	1				1	20			8	
9		20	1				1	20			10	
11		20	1				1	20			12	
13		20	1				1	20			14	
15		20	1				1	20			16	
17		20	1				1	20			18	
19 LIGHTS #B171	2 #12+G -3/4"C	20	1	3200	1195		1	20	2 #12+G -3/4"C	LIGHTS #STAIR B1	8	
21 LIGHTS #B178	2 #12+G -3/4"C	20	1		3220	2410		1	20	2 #12+G -3/4"C	LIGHTS #B195	20
23	SPARE					1350	1270	1	20		SPARE	24
25					6480	8796						26
27 PNL "CRP5" VIA TX	3 #3+G -1-1/4"C	80	3		6660	5786		3	80	3 #3+G -1-1/4"C	PNL "RP05" VIA TX	28
29						6480	6512					30
LOAD PER PHASE				19671	18076	16882						
(SURFACE MTD) TOTAL =				54,629								

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C. LP10 100A MLO 100A BUS

LOAD SERVED	WIRE & CONDUIT	PHASE	POLE	LOAD IN WATTS			POLE	PHASE	WIRE & CONDUIT	LOAD SERVED	POLE	
				aA	aB	aC						
1 LIGHTS #B184	2 #12+G -3/4"C	20	1	3680	3565		1	20	2 #12+G -3/4"C	LIGHTS #B195	2	
3 LIGHTS #B178	2 #12+G -3/4"C	20	1		3450	2875		1	20	2 #12+G -3/4"C	LIGHTS #B186	4
5 LIGHTS #B171	2 #12+G -3/4"C	20	1			3535	2975	1	20	2 #12+G -3/4"C	LIGHTS #B163	6
7 EXTERIOR BLDG LIGHTS	2 #12+G -3/4"C	20	1		775	1820		1	20	2 #12+G -3/4"C	LIGHTS #B166	8
9 SPARE		20	1					1	20	2 #12+G -3/4"C	LIGHTS #B101C	10
11		20	1					1	20		SPARE	12
13		20	1					1	20		SPARE	14
15		20	1					1	20		SPARE	16
17		20	1					1	20		SPARE	18
19		20	1					1	20			20
21		20	1					1	20			22
23		20	1					1	20			24
25		20	1					1	20			26
27		20	1					1	20			28
29		20	1					1	20			30
LOAD PER PHASE				9065	6325	6510						
(SURFACE MTD) TOTAL =				21,900								

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C. LP11 225A MLO 225A BUS

LOAD SERVED	WIRE & CONDUIT	PHASE	POLE	LOAD IN WATTS			POLE	PHASE	WIRE & CONDUIT	LOAD SERVED	POLE	
				aA	aB	aC						
1 LIGHTS #B104	2 #12+G -3/4"C	20	1	3280	3910		1	20	2 #12+G -3/4"C	LIGHTS #B112	2	
3 LIGHTS #B103	2 #12+G -3/4"C	20	1		2205	2520		1	20	2 #12+G -3/4"C	LIGHTS #B115	4
5 LIGHTS #B119	2 #12+G -3/4"C	20	1			3150	2470	1	20	2 #12+G -3/4"C	LIGHTS #B126	6
7 LIGHTS #B158A	2 #12+G -3/4"C	20	1		2945	2880		1	20	2 #12+G -3/4"C	LIGHTS #B163	8
9 LIGHTS #B101	2 #12+G -3/4"C	20	1		2825			1	20		SPARE	10
11		20	1					1	20		SPARE	12
13		20	1					1	20		SPARE	14
15		20	1					1	20		SPARE	

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C.											225A MLO 225A BUS	
SHUNT TRIP	LOAD SERVED	WIRE & CONDUIT	TRIP	LOAD IN WATTS			POLE	TRIP	WIRE & CONDUIT	LOAD SERVED		
				aA	bB	cC						
1	ELEVATOR #1	3 #1 + #8G - 1 1/2" C	100	3	9418 1329		3	20	3 #12+G -3/4"C	HRU-1	2	
3					9418 1329		3	20			4	
5						9418 1329	3	20			6	
7	AHU-1	3 #6+G -1"C	50	3	7479 5817		3	20	3 #12+G -3/4"C	AHU-1	8	
9					7479 5817		3	20			10	
11						7479 5817	3	20			12	
13							1	20			14	
15							1	20			16	
17							1	20			18	
19							1	20			20	
21							1	20			22	
23							1	20			24	
25							1	20			26	
27							1	20			28	
29							1	20			30	
31							1	20			32	
33							1	20			34	
35							1	20			36	
37							1	20			38	
39							1	20			40	
41							1	20			42	
LOAD PER PHASE					14625	14625						
(SURFACE MTD) TOTAL =					43,875							

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C.											225A MLO 225A BUS	
SHUNT TRIP	LOAD SERVED	WIRE & CONDUIT	TRIP	LOAD IN WATTS			POLE	TRIP	WIRE & CONDUIT	LOAD SERVED		
				aA	bB	cC						
1	AHU-8	3 #6+10G-1"C	50	3	5817 2105		3	20	3 #12-3/4"C	RAF-3	2	
3					5817 2105		3	20			4	
5						5817 2105	3	20			6	
7	AHU-9	3 #4+8G-1"C	60	3	9418 2105		3	20	3 #12-3/4"C	RAF-4	8	
9					9418 2105		3	20			10	
11						9418 2105	3	20			12	
13	EXISTING RTU	3 #10+G -3/4"C	30	3	4986 4986		3	30	3 #10+G -3/4"C	EXISTING RTU	14	
15					4986 4986		3	30			16	
17						4986 4986	3	30			18	
19							1	20			20	
21							1	20			22	
23							1	20			24	
25							1	20			26	
27							1	20			28	
29							1	20			30	
31							1	20			32	
33							1	20			34	
35							1	20			36	
37							1	20			38	
39							1	20			40	
41							1	20			42	
LOAD PER PHASE					13296	13296						
(SURFACE MTD) TOTAL =					39,888							

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C.											225A MLO 225A BUS	
SHUNT TRIP	LOAD SERVED	WIRE & CONDUIT	TRIP	LOAD IN WATTS			POLE	TRIP	WIRE & CONDUIT	LOAD SERVED		
				aA	bB	cC						
1	LX-1	3 #12 + G - 3/4"C	20	3	581 581		3	20	3 #12 + G - 3/4"C	LX-2	2	
3					581 581		3	20			4	
5						581 581	3	20			6	
7	RF-1	3 #12+G -3/4"C	20	3	2105 2105		3	20	3 #12 + G - 3/4"C	RF-2	8	
9					2105 2105		3	20			10	
11						2105 2105	3	20			12	
13	AHU-4 (SUPPLY)	3 #8+10G -3/4"C	40	3	5817 831		3	20	3 #12+G -3/4"C	AHU-4 (RETURN)	14	
15					5817 831		3	20			16	
17						5817 831	3	20			18	
19	AHU-6A	3 #8+10G -3/4"C	40	3	5817 5817		3	40	3 #8+10G -3/4"C	AHU-6B	20	
21					5817 5817		3	40			22	
23						5817 5817	3	40			24	
25	AHU-5	3 #4+10G-1"C	60	3	9695 -		3	-	-	-	26	
27					9695 -		3	-	-	-	28	
29						9695 -	3	-	-	-	30	
31	HRU-2	3 #12+G -3/4"C	30	3	1329 3000		3	20	3 #12+G -3/4"C	EDC-1	34	
33					1329 3000		3	20			36	
35						1329 3000	3	20			38	
37						3000 -	3	20	3 #12+G -3/4"C	EDC-2	40	
39						- 3000	3	20			42	
LOAD PER PHASE					41121	41121						
(SURFACE MTD) TOTAL =					123,363							

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C.											400A MLO 400A BUS	
SHUNT TRIP	LOAD SERVED	WIRE & CONDUIT	TRIP	LOAD IN WATTS			POLE	TRIP	WIRE & CONDUIT	LOAD SERVED		
				aA	bB	cC						
1	LP07	4 #1 + #8G - 1 1/2" C	100	3	4323 13296		3	150	4 #6 + #6G - 2" C	PP07	2	
3					4323 13296		3	150			4	
5						4323 13296	3	150			6	
7	PNL "RP07" VIA TX	3 #6 + #6G - 1 1/2" C	150	3	5576 8260		3	80	4 #3 + #8G - 1 1/2" C	PNL "CRP3" VIA TX	8	
9					5576 8260		3	80			10	
11						5576 8260	3	80			12	
13							3	-			14	
15							3	-			16	
17							3	-			18	
19							3	-			20	
21							3	-			22	
23							3	-			24	
25							3	-			26	
27							3	-			28	
29							3	-			30	
31							3	-			32	
33							3	-			34	
35							3	-			36	
37							3	-			38	
39							3	-			40	
41							3	-			42	
LOAD PER PHASE					31,455	31,455						
(SURFACE MTD) TOTAL =					94,365							

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C.											225A MLO 225A BUS	
SHUNT TRIP	LOAD SERVED	WIRE & CONDUIT	TRIP	LOAD IN WATTS			POLE	TRIP	WIRE & CONDUIT	LOAD SERVED		
				aA	bB	cC						
1	AHU-7	3 #8+10G-3/4"C	40	3	5817 2105		3	20	3 #12+G-3/4"C	AHU-7	2	
3					5817 2105		3	20			4	
5						5817 2105	3	20			6	
7							1	20			8	
9							1	20			10	
11							1	20			12	
13							1	20			14	
15							1	20			16	
17							1	20			18	
19							1	20			20	
21							1	20			22	
23							1	20			24	
25							1	20			26	
27							1	20			28	
29							1	20			30	
31							1	20			32	
33							1	20			34	
35							1	20			36	
37							1	20			38	
39							1	20			40	
41							1	20			42	
LOAD PER PHASE					7,922	7,922						
(SURFACE MTD) TOTAL =					23,766							

480/277V, 3 PHASE, 4 WIRE 42,000 A.I.C.											225A MLO 225A BUS	
SHUNT TRIP	LOAD SERVED	WIRE & CONDUIT	TRIP	LOAD IN WATTS			POLE	TRIP	WIRE & CONDUIT	LOAD SERVED		
				aA	bB	cC						
1	AIR COMP. #B165	3 #10 + G - 3/4"C	30	3	3878 200		3	20	3 #12 + G - 3/4"C	AIR DRYER #B165	2	
3					3878 200		3	20			4	
5						3878 200	3	20			6	
7	EXISTING RTU	3 #8 + #10G - 3/4"C	40	3	9113 499		3	20	3 #12 + G - 3/4"C	FC-10	8	
9					9113 499		3	20			10	
11						9113 499	3	20			12	
13	GX-23	3 #12 + G - 3/4"C	20	3	1330 831		3	20	3 #12 + G - 3/4"C	GX-48	14	
15					1330 831		3	20			16	
17						1330 831	3					

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C. CRP1												150A MCB 225A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	P.O.L.	LOAD IN WATTS			P.O.L.	TRIP	WIRE & CONDUIT	LOAD SERVED	P.O.L.	TRIP	
				a	b	c							
1 WIREMOLD #A150	2 #12+G -3/4"	20	1	540	540		1	20	2 #12+G -3/4"	WIREMOLD #A141	2		
3 WIREMOLD #A150	2 #12+G -3/4"	20	1		540	540	1	20	2 #12+G -3/4"	WIREMOLD #A141	4		
5 RECEPTACLES #A150	2 #12+G -3/4"	20	1			360	360	1	20	2 #12+G -3/4"	WIREMOLD #A141	6	
7 RECEPTACLES #A121	2 #12+G -3/4"	20	1	180	360			1	20	2 #12+G -3/4"	WIREMOLD #A141	8	
9 SPARE	-	20	1			720		1	20	2 #12+G -3/4"	RECEPTACLES #A143	10	
11 SPARE	-	20	1				720	1	20	2 #12+G -3/4"	RECEPTACLES #A142	12	
13 RECEPTACLES #A134	2 #12+G -3/4"	20	1	540	720			1	20	2 #12+G -3/4"	RECEPTACLES #A140	14	
15 RECEPTACLES #A136	2 #12+G -3/4"	20	1			720	720	1	20	2 #12+G -3/4"	RECEPTACLES #A130	16	
17 RECEPTACLES #A138	2 #12+G -3/4"	20	1			720	720	1	20	2 #12+G -3/4"	RECEPTACLES #A131	18	
19 RECEPTACLES #A125	2 #12+G -3/4"	20	1	720	720			1	20	2 #12+G -3/4"	RECEPTACLES #A132	20	
21 RECEPTACLES #A119	2 #12+G -3/4"	20	1		540	360		1	20	2 #12+G -3/4"	RECEPT. RECEPTION	22	
23 RECEPTACLES #A117	2 #12+G -3/4"	20	1			720	720	1	20	2 #12+G -3/4"	RECEPTACLES #A133	24	
25 RECEPTACLES #A116	2 #12+G -3/4"	20	1			720	720	1	20	2 #12+G -3/4"	RECEPTACLES #A108	26	
27 RECEPTACLES #A116	2 #12+G -3/4"	20	1		360	720		1	20	2 #12+G -3/4"	RECEPTACLES #A107	28	
29 RECEPTACLES #A116	2 #12+G -3/4"	20	1		360	720		1	20	2 #12+G -3/4"	RECEPTACLES #A106	30	
31 RECEPTACLES #A105	2 #12+G -3/4"	20	1	720				1	20	-	SPARE	32	
33 RECEPTACLES #A104	2 #12+G -3/4"	20	1		360			1	20	-	SPARE	34	
35 RECEPTACLES #A104	2 #12+G -3/4"	20	1			540		1	20	-	SPARE	36	
37 SPARE	-	20	1					1	20	-	SPARE	38	
39 SPARE	-	20	1					1	20	-	SPARE	40	
41 SPARE	-	20	1					1	20	-	SPARE	42	
LOAD PER PHASE				6840	5580	6120							
(SURFACE MTD) TOTAL =				18,360									

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C. CRP2												150A MCB 225A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	P.O.L.	LOAD IN WATTS			P.O.L.	TRIP	WIRE & CONDUIT	LOAD SERVED	P.O.L.	TRIP	
				a	b	c							
1 WIREMOLD #A184	2 #12+G -3/4"	20	1	540	540		1	20	2 #12+G -3/4"	WIREMOLD #A184	2		
3 WIREMOLD #A184	2 #12+G -3/4"	20	1		540	540	1	20	2 #12+G -3/4"	WIREMOLD #A184	4		
5 WIREMOLD #A184	2 #12+G -3/4"	20	1			360	360	1	20	2 #12+G -3/4"	WIREMOLD #A184	6	
7 -	-	20	1			360		1	20	2 #12+G -3/4"	WIREMOLD #A184	8	
9 -	-	20	1			540		1	20	2 #12+G -3/4"	WIREMOLD #A184	10	
11 RECEPTACLES #A184	2 #12+G -3/4"	20	1			540	540	1	20	2 #12+G -3/4"	WIREMOLD #A184	12	
13 RECEPTACLES #A184	2 #12+G -3/4"	20	1	540	720			1	20	2 #12+G -3/4"	RECEPTACLES #A169	14	
15 RECEPTACLES #A175	2 #12+G -3/4"	20	1			720	540	1	20	2 #12+G -3/4"	RECEPTACLES #A169	16	
17 RECEPTACLES #A174	2 #12+G -3/4"	20	1			720	540	1	20	2 #12+G -3/4"	RECEPTACLES #A169	18	
19 RECEPTACLES #A169	2 #12+G -3/4"	20	1	540	360			1	20	2 #12+G -3/4"	RECEPTACLES #A169	20	
21 RECEPTACLES #A169	2 #12+G -3/4"	20	1		540	360		1	20	2 #12+G -3/4"	RECEPTACLES #A169	22	
23 RECEPTACLES #A172	2 #12+G -3/4"	20	1			540	720	1	20	2 #12+G -3/4"	RECEPTACLES #A173	24	
25 RECEPTACLES #A172	2 #12+G -3/4"	20	1			540	720	1	20	2 #12+G -3/4"	RECEPTACLES #A173	26	
27 RECEPTACLES #A170	2 #12+G -3/4"	20	1		360	540		1	20	2 #12+G -3/4"	WIREMOLD #A179	28	
29 RECEPTACLES #A170	2 #12+G -3/4"	20	1		360	540		1	20	2 #12+G -3/4"	WIREMOLD #A179	30	
31 RECEPTACLES #A170	2 #12+G -3/4"	20	1	360	360			1	20	2 #12+G -3/4"	WIREMOLD #A179	32	
33 SPARE	-	20	1			540		1	20	2 #12+G -3/4"	WIREMOLD #A176	34	
35 SPARE	-	20	1				540	1	20	2 #12+G -3/4"	WIREMOLD #A176	36	
37 RECEPTACLES #A184	2 #12+G -3/4"	20	1	360	360			1	20	2 #12+G -3/4"	WIREMOLD #A176	38	
39 RECEPTACLES #A184	2 #12+G -3/4"	20	1		360	540		1	20	2 #12+G -3/4"	WIREMOLD #A166	40	
41 SPARE	-	20	1				540	1	20	2 #12+G -3/4"	WIREMOLD #A166	42	
LOAD PER PHASE				6120	6840	6120							
(SURFACE MTD) TOTAL =				19,080									

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C. CRP2												225A MLO 225A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	P.O.L.	LOAD IN WATTS			P.O.L.	TRIP	WIRE & CONDUIT	LOAD SERVED	P.O.L.	TRIP	
				a	b	c							
43 FLR RECEPT. #A153	2 #12+G -3/4"	20	1	180	360			1	20	2 #12+G -3/4"	RECEPTACLES #A166	44	
45 WIREMOLD #A165	2 #12+G -3/4"	20	1		540	360		1	20	2 #12+G -3/4"	FLR RECEPT. #A169	46	
47 WIREMOLD #A165	2 #12+G -3/4"	20	1			360	360	1	20	2 #12+G -3/4"	FLR RECEPT. #A169	48	
49 WIREMOLD #A165	2 #12+G -3/4"	20	1		360	360		1	20	2 #12+G -3/4"	FLR RECEPT. #A169	50	
51 WIREMOLD #A164	2 #12+G -3/4"	20	1		540	540		1	20	2 #12+G -3/4"	RECEPTACLES #A160	52	
53 WIREMOLD #A164	2 #12+G -3/4"	20	1			540		1	20	2 #12+G -3/4"	RECEPTACLES #A160	54	
55 WIREMOLD #A164	2 #12+G -3/4"	20	1	360				2	30	#10+10G-3/4"	220 V RECEPT. #A170	56	
57 WIREMOLD #A163	2 #12+G -3/4"	20	1		540	640		1	20	2 #12+G -3/4"	RECEPTACLES #A159	58	
59 WIREMOLD #A163	2 #12+G -3/4"	20	1			540		2	30	#10+10G-3/4"	220 V RECEPT. #A170	60	
61 WIREMOLD #A163	2 #12+G -3/4"	20	1	360				1	20	2 #12+G -3/4"	RECEPTACLES #A162	62	
63 WIREMOLD #A162	2 #12+G -3/4"	20	1		360	360		1	20	2 #12+G -3/4"	RECEPTACLES #A162	64	
65 WIREMOLD #A162	2 #12+G -3/4"	20	1			360		1	20	-	SPARE	66	
67 WIREMOLD #A161	2 #12+G -3/4"	20	1		540	360		1	20	2 #12+G -3/4"	RECEPTACLES #A161	68	
69 WIREMOLD #A161	2 #12+G -3/4"	20	1		540	360		1	20	2 #12+G -3/4"	RECEPTACLES #A161	70	
71 RECEPTACLES #A158	2 #12+G -3/4"	20	1			540	540	1	20	2 #12+G -3/4"	RECEPTACLES #A161	72	
73 RECEPTACLES #A158	2 #12+G -3/4"	20	1	540	360			1	20	2 #12+G -3/4"	FLR RECEPT. #A169	74	
75 SPARE	-	20	1			360		1	20	2 #12+G -3/4"	FLR RECEPT. #A169	76	
77 SPARE	-	20	1				360	1	20	2 #12+G -3/4"	FLR RECEPT. #A169	78	
79 SPARE	-	20	1					1	20	-	SPARE	80	
81 SPARE	-	20	1					1	20	-	SPARE	82	
83 SPARE	-	20	1					1	20	-	SPARE	84	
LOAD PER PHASE				3420	5140	3960							
(SURFACE MTD) TOTAL =				12,520									

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C. CRP8												100A MLO 100A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	P.O.L.	LOAD IN WATTS			P.O.L.	TRIP	WIRE & CONDUIT	LOAD SERVED	P.O.L.	TRIP	
				a	b	c							
1 RECEPT. #B122	2 #12+G -3/4"	20	1	540	540			1	20	2 #12+G -3/4"	WIREMOLD #B123	2	
3 RECEPT. #B122	2 #12+G -3/4"	20	1		540	540		1	20	2 #12+G -3/4"	WIREMOLD #B123	4	
5 WIREMOLD #B106	2 #12+G -3/4"	20	1			540	360	1	20	2 #12+G -3/4"	RECEPT. #B123	6	
7 WIREMOLD #B106	2 #12+G -3/4"	20	1	540	720			1	20	2 #12+G -3/4"	RECEPT. #B123	8	
9 RECEPT. #B106	2 #12+G -3/4"	20	1			360	540	1	20	2 #12+G -3/4"	RECEPT. #B104	10	
11 RECEPT. #B106	2 #12+G -3/4"	20	1			720	540	1	20	2 #12+G -3/4"	RECEPT. #B104	12	
13 -	-	20	1					1	20	-	-	14	
15 -	-	20	1					1	20	-	-	16	
17 -	-	20	1					1	20	-	-	18	
19 -	-	20	1					1	20	-	-	20	
21 -	-	20	1					1	20	-	-	22	
23 -	-	20	1					1	20	-	-	24	
25 -	-	20	1					1	20	-	-	26	
27 -	-	20	1					1	20	-	-	28	
29 -	-	20	1					1	20	-	-	30	
31 -	-	20	1					1	20	-	-	32	
33 -	-	20	1					1	20	-	-	34	
35 -	-	20	1					1	20	-	-	36	
37 -	-	20	1					1	20	-	-	38	
39 -	-	20	1					1	20	-	-	40	
41 -	-	20	1					1	20	-	-	42	
LOAD PER PHASE				2340	1980	2160							
(RECESSED MTD) TOTAL =				6,480									

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C. CRP4												150A MCB 225A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	P.O.L.	LOAD IN WATTS			P.O.L.	TRIP	WIRE & CONDUIT	LOAD SERVED	P.O.L.	TRIP	
				a	b	c							
1 WIREMOLD #A235	2 #12+G -3/4"	20	1	540	720			1	20	2 #12+G -3/4"	RECEPT. #A235	2	
3 WIREMOLD #A235	2 #12+G -3/4"	20	1			360	360	1	20	2 #12+G -3/4"	RECEPT. #A239	4	
5 WIREMOLD #A233	2 #12+G -3/4"	20	1			540	720	1	20	2 #12+G -3/4"	RECEPT. #A233	6	
7 WIREMOLD #A233	2 #12+G -3/4"	20	1	540				1	20	-	-	8	
9 WIREMOLD #A231	2 #12+G -3/4"	20	1		540	720		1	20	2 #12+G -3/4"	RECEPT. #A231	10	
11 WIREMOLD #A231	2 #12+G -3/4"	20	1			540		1	20	-	-	12	
13 WIREMOLD #A229	2 #12+G -3/4"	20	1	360	720			1	20	2 #12+G -3/4"	RECEPT. #A229	14	
15 WIREMOLD #A229	2 #12+G -3/4"	20	1			360		1	20	-	-	16	
17 RECEPT. #A234	2 #12+G -3/4"	20	1			720	720	1	20	2 #12+G -3/4"	RECEPT. #A232	18	
19 RECEPT. #A230	2 #12+G -3/4"	20	1	360	360			1	20	2 #12+G -3/4"	RECEPT. #A238	20	
21 RECEPT. #A230	2 #12+G -3/4"	20	1			360	360	1	20	2 #12+G -3/4"	RECEPT. #A228	22	
23 RECEPT. #A230	2 #12+G -3/4"	20	1			360	540	1	20	2 #12+G -3/4"	WIREMOLD #A226	24	
25 WIREMOLD #A225	2 #12+G -3/4"	20	1	540	540			1	20	2 #12+G -3/4"	WIREMOLD #A226	26	
27 WIREMOLD #A225	2 #12+G -3/4"	20	1		540	360		1	20	2 #12+G -3/4"	WIREMOLD #A226	28	
29 WIREMOLD #A225	2 #12+G -3/4"	20	1			360	360	1	20	2 #12+G -3/4"	RECEPT. #A226	30	
31 RECEPT. #A225	2 #12+G -3/4"	20	1	360	540			1	20	2 #12+G -3/4"	WIRE		

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C.		CRP9										100A MLO 100A BUS	
LOAD SERVED	WIRE & CONDUIT	Ø	PDU	LOAD IN WATTS			PDU	Ø	WIRE & CONDUIT	LOAD SERVED			
				φA	φB	φC							
1 WIREMOLD #B155	2 #12+G -3/4"C	20	1	540	540		1	20	2 #12+G -3/4"C	WIREMOLD #B155	2		
3 WIREMOLD #B155	2 #12+G -3/4"C	20	1		540	540	1	20	2 #12+G -3/4"C	WIREMOLD #B155	4		
5 WIREMOLD #B155	2 #12+G -3/4"C	20	1			540 360	1	20	2 #12+G -3/4"C	WIREMOLD #B155	6		
7 RECEPT. #B158A	2 #12+G -3/4"C	20	1	540	540		1	20	2 #12+G -3/4"C	WIREMOLD #B161	8		
9 RECEPT. #B158A	2 #12+G -3/4"C	20	1		540	540	1	20	2 #12+G -3/4"C	WIREMOLD #B161	10		
11 RECEPT. #B157	2 #12+G -3/4"C	20	1			360 540	1	20	2 #12+G -3/4"C	WIREMOLD #B161	12		
13 RECEPT. #B161	2 #12+G -3/4"C	20	1	540	360		1	20	2 #12+G -3/4"C	RECEPT. #B158	14		
15 WIREMOLD #B161	2 #12+G -3/4"C	20	1		540	540	1	20	2 #12+G -3/4"C	RECEPT. #B158	16		
17 WIREMOLD #B161	2 #12+G -3/4"C	20	1			360 540	1	20	2 #12+G -3/4"C	RECEPT. #B158	18		
19 RECEPT. #B156	2 #12+G -3/4"C	20	1	360	360		1	20	2 #12+G -3/4"C	RECEPT. #B160	20		
21 RECEPT. #B156	2 #12+G -3/4"C	20	1		720	360	1	20	2 #12+G -3/4"C	RECEPT. #B160	22		
23 SPARE		20	1				1	20		SPARE	24		
25 SPARE		20	1				1	20		SPARE	26		
27 SPARE		20	1				1	20		SPARE	28		
29 SPARE		20	1				1	20		SPARE	30		
31 SPARE		20	1				1	20		SPARE	32		
33 SPARE		20	1				1	20		SPARE	34		
35 SPARE		20	1				1	20		SPARE	36		
37 --		--	--				1	--		--	38		
39 --		--	--				1	--		--	40		
41 --		--	--				1	--		--	42		
LOAD PER PHASE				3780	4320	2700							
(RECESSED MTD) TOTAL =				10,800									

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C.		CRP10										100A MLO 100A BUS	
LOAD SERVED	WIRE & CONDUIT	Ø	PDU	LOAD IN WATTS			PDU	Ø	WIRE & CONDUIT	LOAD SERVED			
				φA	φB	φC							
1 WIREMOLD #B173	2 #12+G -3/4"C	20	1	540	360		1	20	2 #12+G -3/4"C	RECEPT. #B173	2		
3 WIREMOLD #B173	2 #12+G -3/4"C	20	1		540		1	20		--	4		
5 RECEPT. #B174	2 #12+G -3/4"C	20	1			540 540	1	20	2 #12+G -3/4"C	RECEPT. #B183	6		
7 RECEPT. #B174	2 #12+G -3/4"C	20	1	540	540		1	20	2 #12+G -3/4"C	RECEPT. #B183	8		
9 WIREMOLD #B183	2 #12+G -3/4"C	20	1		540	540	1	20	2 #12+G -3/4"C	RECEPT. #B182	10		
11 WIREMOLD #B183	2 #12+G -3/4"C	20	1			540 540	1	20	2 #12+G -3/4"C	RECEPT. #B182	12		
13 RECEPT. #B162	2 #12+G -3/4"C	20	1	360	1200		2	30	3#10+10G-3/4"C	RECEPT. DATA CLOSET	14		
15 RECEPT. #B162	2 #12+G -3/4"C	20	1		360	1200	2	30	3#10+10G-3/4"C	RECEPT. DATA CLOSET	16		
17 RECEPT. #B162	2 #12+G -3/4"C	20	1			360 1200	2	30	3#10+10G-3/4"C	RECEPT. DATA CLOSET	18		
19 SPARE		20	1		1200		2	30		SPARE	20		
21 SPARE		20	1				1	20		SPARE	22		
23 SPARE		20	1				1	20		SPARE	24		
25 SPARE		20	1				1	20		SPARE	26		
27 SPARE		20	1				1	20		SPARE	28		
29 SPARE		20	1				1	20		SPARE	30		
31 --		--	--				1	--		--	32		
33 --		--	--				1	--		--	34		
35 --		--	--				1	--		--	36		
37 --		--	--				1	--		--	38		
39 --		--	--				1	--		--	40		
41 --		--	--				1	--		--	42		
LOAD PER PHASE				4200	3180	3900							
(RECESSED MTD) TOTAL =				11,280									

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C.		CRP11										100A MLO 100A BUS	
LOAD SERVED	WIRE & CONDUIT	Ø	PDU	LOAD IN WATTS			PDU	Ø	WIRE & CONDUIT	LOAD SERVED			
				φA	φB	φC							
1 WIREMOLD #B194	2 #12+G -3/4"C	20	1	540	360		1	20	2 #12+G -3/4"C	RECEPT. #B194	2		
3 WIREMOLD #B194	2 #12+G -3/4"C	20	1		540	720	1	20	2 #12+G -3/4"C	RECEPT. #B194	4		
5 RECEPT. #B191	2 #12+G -3/4"C	20	1			720 540	1	20	2 #12+G -3/4"C	WIREMOLD #B168	6		
7 RECEPT. #B191	2 #12+G -3/4"C	20	1	720	540		1	20	2 #12+G -3/4"C	WIREMOLD #B168	8		
9 RECEPT. #B168	2 #12+G -3/4"C	20	1		360	540	1	20	2 #12+G -3/4"C	RECEPT. #B167	10		
11 RECEPT. #B168	2 #12+G -3/4"C	20	1			720 540	1	20	2 #12+G -3/4"C	RECEPT. #B167	12		
13 SPARE		20	1				1	20		SPARE	14		
15 SPARE		20	1				1	20		SPARE	16		
17 SPARE		20	1				1	20		SPARE	18		
19 SPARE		20	1				1	20		SPARE	20		
21 SPARE		20	1				1	20		SPARE	22		
23 SPARE		20	1				1	20		SPARE	24		
25 --		--	--				1	--		--	26		
27 --		--	--				1	--		--	28		
29 --		--	--				1	--		--	30		
31 --		--	--				1	--		--	32		
33 --		--	--				1	--		--	34		
35 --		--	--				1	--		--	36		
37 --		--	--				1	--		--	38		
39 --		--	--				1	--		--	40		
41 --		--	--				1	--		--	42		
LOAD PER PHASE				2160	2160	2520							
(RECESSED MTD) TOTAL =				6,840									

Drawing Title SCHEDULES - ELECTRICAL		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tol Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark		Date: 1/28/2011	Scale NONE
		Drawn By GTC	Approved By RSR
		Project H.C. Wilcox Technical High School Meriden, CT	Drawing No. E6.04
OAD No. 0532-E3.03		Project No. BI-RT-843	

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C.												150A MCB 225A BUS			
RP05															
LOAD SERVED	WIRE & CONDUIT	RIB	POLE	LOAD IN WATTS			POLE	RIB	WIRE & CONDUIT	LOAD SERVED	RIB	POLE	LOAD IN WATTS		
				aA	aB	aC							aA	aB	aC
1 RECEPT. #216	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	RECEPT. #216	2	20			
3 RECEPT. #216	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	J.B.(EC) #216	4	20			
5 RECEPT. #216	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	J.B.(EC) #2225	8	20			
7 RECEPT. #216	2 #12+G -3/4"C	20	1	760	720		1	20	2 #12+G -3/4"C	RECEPT. #2010	6	20			
9 RECEPT. #219	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	RECEPT. #2010	6	20			
11 CALL FOR AID #B202B	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	CALL FOR AID #B201B	12	20			
13 J.B.(EC) #205A	2 #12+G -3/4"C	20	1	300	324		1	20	2 #12+G -3/4"C	AC-1 & RPT.	14	20			
15 MODULAR HEADWALL	2 #12+G -3/4"C	20	1	1080	720		1	20	2 #12+G -3/4"C	RECEPT. (ROOF)	16	20			
17 CALL FOR AID #B215A	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. (ROOF)	18	20			
19 J.B.(EC) #B210	2 #12+G -3/4"C	20	1	720	1680		1	20	2 #12+G -3/4"C	ACCU-1	20	20			
21 TOP #B214	2 #12+G -3/4"C	20	1	250	380		1	20	2 #12+G -3/4"C	LIGHTS #STAIR B1	22	20			
23 TX-10, TX-11	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	ACCU-1	24	20			
25 RECEPT. #B217	2 #12+G -3/4"C	20	1	720	540		1	20	2 #12+G -3/4"C	RECEPT. #B203	26	20			
27 RECEPT. #B211	2 #12+G -3/4"C	20	1	720	540		1	20	2 #12+G -3/4"C	RECEPT. #B212	28	20			
29 J.B.(EC) #B212	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. #B213	30	20			
31 RECEPT. #B202	2 #12+G -3/4"C	20	1	540	540		1	20	2 #12+G -3/4"C	RECEPT. #B202A	32	20			
33 MODULAR HEADWALL	2 #12+G -3/4"C	20	1	1080	1080		1	20	2 #12+G -3/4"C	MODULAR HEADWALL	34	20			
35 MODULAR HEADWALL	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. & TP #B214	36	20			
37 DRYER #B222	2 #10+G -3/4"C	30	2	2400			1	20			38	20			
39							1	20			40	20			
41							1	20			42	20			
LOAD PER PHASE				4694	4954	6688									
(SURFACE MTD)				TOTAL =			16,336								

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C.												150A MCB 225A BUS			
RP09															
LOAD SERVED	WIRE & CONDUIT	RIB	POLE	LOAD IN WATTS			POLE	RIB	WIRE & CONDUIT	LOAD SERVED	RIB	POLE	LOAD IN WATTS		
				aA	aB	aC							aA	aB	aC
1 RECEPT. #B216	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	RECEPT. #B216	2	20			
3 RECEPT. #B216	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	J.B.(EC) #B216	4	20			
5 RECEPT. #B216	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	J.B.(EC) #B225	8	20			
7 RECEPT. #B216	2 #12+G -3/4"C	20	1	760	720		1	20	2 #12+G -3/4"C	RECEPT. #B2010	6	20			
9 RECEPT. #B219	2 #12+G -3/4"C	20	1	540	720		1	20	2 #12+G -3/4"C	RECEPT. #B2010	6	20			
11 CALL FOR AID #B202B	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	CALL FOR AID #B201B	12	20			
13 J.B.(EC) #B205A	2 #12+G -3/4"C	20	1	300	324		1	20	2 #12+G -3/4"C	AC-1 & RPT.	14	20			
15 MODULAR HEADWALL	2 #12+G -3/4"C	20	1	1080	720		1	20	2 #12+G -3/4"C	RECEPT. (ROOF)	16	20			
17 CALL FOR AID #B215A	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. (ROOF)	18	20			
19 J.B.(EC) #B210	2 #12+G -3/4"C	20	1	720	1680		1	20	2 #12+G -3/4"C	ACCU-1	20	20			
21 TOP #B214	2 #12+G -3/4"C	20	1	250	380		1	20	2 #12+G -3/4"C	LIGHTS #STAIR B1	22	20			
23 TX-10, TX-11	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	ACCU-1	24	20			
25 RECEPT. #B217	2 #12+G -3/4"C	20	1	720	540		1	20	2 #12+G -3/4"C	RECEPT. #B203	26	20			
27 RECEPT. #B211	2 #12+G -3/4"C	20	1	720	540		1	20	2 #12+G -3/4"C	RECEPT. #B212	28	20			
29 J.B.(EC) #B212	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. #B213	30	20			
31 RECEPT. #B202	2 #12+G -3/4"C	20	1	540	540		1	20	2 #12+G -3/4"C	RECEPT. #B202A	32	20			
33 MODULAR HEADWALL	2 #12+G -3/4"C	20	1	1080	1080		1	20	2 #12+G -3/4"C	MODULAR HEADWALL	34	20			
35 MODULAR HEADWALL	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. & TP #B214	36	20			
37 DRYER #B222	2 #10+G -3/4"C	30	2	2400			1	20			38	20			
39							1	20			40	20			
41							1	20			42	20			
LOAD PER PHASE				10504	10350	9536									
(SURFACE MTD)				TOTAL =			30,390								

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C.												150A MCB 225A BUS			
RP06															
LOAD SERVED	WIRE & CONDUIT	RIB	POLE	LOAD IN WATTS			POLE	RIB	WIRE & CONDUIT	LOAD SERVED	RIB	POLE	LOAD IN WATTS		
				aA	aB	aC							aA	aB	aC
1 RECEPT. A181	2 #12+G -3/4"C	20	1	360	300		1	20	2 #12+G -3/4"C	J.B.(EC) A169	2	20			
3 RECEPT. A101D	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	J.B.(EC) A176	4	20			
5 CALL FOR AID A157	2 #12+G -3/4"C	20	1				1	30	2 #10+G -3/4"C	ACID NEUT. CNTL. PNL	6	30			
7 RECEPT. A101C	2 #12+G -3/4"C	20	1	900	300		1	20	2 #12+G -3/4"C	J.B.(EC) A165	8	20			
9 CALL FOR AID A156	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	J.B.(EC) A161	10	20			
11 ELEV. PIT LITS & RECEPT	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	ELEVATOR MECH. RM.	12	20			
13 RECEPT. A166	2 #12+G -3/4"C	20	1	360	1200		1	20	2 #12+G -3/4"C	ELEVATOR MECH. RM.	14	20			
15 SENSOR FAUCETS A156	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. A153	16	20			
17 RECEPT. A165	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. A153	18	20			
19 CUH'S	2 #12+G -3/4"C	20	1	300	540		1	20	2 #12+G -3/4"C	RECEPT. A162	20	20			
21 RECEPT. A164	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. A162	22	20			
23 ELEV. RM. LITS & RECEPT	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RECEPT. A161	24	20			
25 RECEPT. A163	2 #12+G -3/4"C	20	1	540			1	20	2 #12+G -3/4"C	SOUND SYS. #A153	26	20			
27 TX-3	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	TOP'S A182	28	20			
29 RECEPT. A179	2 #12+G -3/4"C	20	1				1	40	2 #8+G -1"C	ACID NEUT. TANK MTR	30	40			
LOAD PER PHASE				4800	5676	7010									
(SURFACE MTD)				TOTAL =			17,486								

120/208V, 3 PHASE, 4 WIRE 22,000 A.I.C.												150A MCB 225A BUS			
RP13															
LOAD SERVED	WIRE & CONDUIT	RIB	POLE	LOAD IN WATTS			POLE	RIB	WIRE & CONDUIT	LOAD SERVED	RIB	POLE	LOAD IN WATTS		
				aA	aB	aC							aA	aB	aC
1 RECEPT. #C140	2 #12+G -3/4"C	20	1	720	1000		1	20	2 #12+G -3/4"C	RPT.(TRML) #C140	2	20			
3 RECEPT. #C140	2 #12+G -3/4"C	20	1	720	1000		1	20	2 #12+G -3/4"C	RPT.(TRML) #C140	4	20			
5 J.B.(SF) #C141B	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	RPT.(ELIPT) #C140	6	20			
7 RECEPT. #C141	2 #12+G -3/4"C	20	1	540	1000		1	20	2 #12+G -3/4"C	RPT.(ELIPT) #C140	8	20			
9 RECEPT.(TV) #C140	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	TOP FOR RTU-1	10	20			
11							1	20	2 #12+G -3/4"C	RP-2	12	20			
13 RP-1	3 #12+G -3/4"C	30	3	319	100		1	20	2 #12+G -3/4"C	RP-3	14	20			
15							1	20	2 #12+G -3/4"C	RP-3	16	20			
17 RECEPT. C141A	2 #12+G -3/4"C	20	1				3	20	3 #12+G -3/4"C	RP-4	18	20			
19 RECEPT. C141A	2 #12+G -3/4"C	20	1	100	458		1	20	2 #12+G -3/4"C		20	20			
21 P1 & P2	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	WH-1	22	20			
23 WH-2	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	GX-40, GX-17	24	20			
25 GX-18	2 #12+G -3/4"C	20	1	864	1176		1	20	2 #12+G -3/4"C	TX-7, GX-8	26	20			
27 ROOF RECEPT. A165	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	FUEL OIL CNTL. PNL	28	20			
29 TOP'S #C143	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	FCU-8	30	20			
LOAD PER PHASE				6277	5109	5349									
(SURFACE MTD)				TOTAL =			16,735								

(SURFACE MTD) TOTAL = 16,735 (FEED THROUGH LUGS)

208/120V, 3 PHASE, 4 WIRE 22,000 A.I.C.												MSP2						400A MLO 400A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	POLE	LOAD IN WATTS			TRIP	POLE	WIRE & CONDUIT	LOAD SERVED	TRIP	POLE							
				aA	aB	aC													
1 RECEPTABLES #B112	2 #12+G -3/4"C	20	1	720	360		1	20	2 #12+G -3/4"C	RECEPTABLES #B117	2	2							
3 RECEPTABLES #B112	2 #12+G -3/4"C	20	1	720	360		1	20	2 #12+G -3/4"C	RECEPTABLES #B117	4	4							
5 OHD	2 #12+G -3/4"C	20	1			1176		1	20			6							
7 CNC MILL (M6) #B112	3 #12+G -3/4"C	20	3	1020	1020		3	20	3 #12+G -3/4"C	CNC MILL (M6) #B112	10	10							
11						1020		3	20			12							
13 CNC MILL (M6) #B112	3 #12+G -3/4"C	20	3	1020	1020		3	20	3 #12+G -3/4"C	CNC MILL (M6) #B112	14	14							
15						1020		3	20			16							
17						1020		3	20			18							
19 CNC MILL (M6) #B112	3 #12+G -3/4"C	20	3	1020	780		3	20	3 #12+G -3/4"C	MANUAL MILL	20	20							
21						1020		3	20			22							
23						1020		3	20			24							
25						780		3	20			26							
27						780		3	20			28							
29						780	780	3	20			30							
31						780	360	1	20	2 #12+G -3/4"	RECEPT. B114A	32							
33						780	360	1	20	2 #12+G -3/4"	RECEPT. B114A	34							
35						780		1	20			36							
37								3	225	4 #6 + #4G -2 1/2"C	BUS DUCT	38							
39								3	225	4 #6 + #4G -2 1/2"C	BUS DUCT	40							
41								3	225	4 #6 + #4G -2 1/2"C	BUS DUCT	42							
LOAD PER PHASE								(SHUNT-TRIP MAIN BKR) (FEED THROUGH LUGS)											
(RECESSED MTD) TOTAL =				-	-	-		PANEL TOTAL =											

208/120V, 3 PHASE, 4 WIRE 22,000 A.I.C.												MSP2						400A MLO 400A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	POLE	LOAD IN WATTS			TRIP	POLE	WIRE & CONDUIT	LOAD SERVED	TRIP	POLE							
				aA	aB	aC													
43 GRINDER (M11) #B112	3 #12+G -3/4"C	40	3				3	40	3 #12+G -3/4"C	GRINDER (M11) #B112	44	44							
45							3	40	3 #12+G -3/4"C			46							
47							3	40	3 #12+G -3/4"C			48							
49							3	40	3 #12+G -3/4"C			50							
51 GRINDER (M11) #B112	3 #12+G -3/4"C	40	3				3	40	3 #12+G -3/4"C	GRINDER (M11) #B112	52	52							
53							3	40	3 #12+G -3/4"C			54							
55							1	20				56							
57 JIG GRINDER (M17) #B112	3 #12+G -3/4"C	20	3	756			1	20				58							
59							1	20				60							
61							1	20				62							
63							1	20				64							
65							1	20				66							
67							1	20				68							
69							1	20				70							
71							1	20				72							
73							3	30				74							
75							3	30				76							
77							3	30				78							
79							3	40				80							
81							3	40				82							
83							3	40				84							
LOAD PER PHASE								(SHUNT-TRIP MAIN BKR) (FEED THROUGH LUGS)											
(RECESSED MTD) TOTAL =				-	-	-		PANEL TOTAL =											

208/120V, 3 PHASE, 4 WIRE 22,000 A.I.C.												HSP2						225A MLO 225A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	POLE	LOAD IN WATTS			TRIP	POLE	WIRE & CONDUIT	LOAD SERVED	TRIP	POLE							
				aA	aB	aC													
1 J.B.(FURNACE) #B102	2 #12+G -3/4"C	20	1	500	500		1	20	2 #12+G -3/4"C	J.B.(FURNACE) #B102	2	2							
3 J.B.(FURNACE) #B102	2 #12+G -3/4"C	20	1	500	500		1	20	2 #12+G -3/4"C	J.B.(FURNACE) #B102	4	4							
5 J.B.(FURNACE) #B102	2 #12+G -3/4"C	20	1	500	500		1	20	2 #12+G -3/4"C	J.B.(FURNACE) #B102	6	6							
7 J.B.(FURNACE) #B102	2 #12+G -3/4"C	20	1	500	500		1	20	2 #12+G -3/4"C	J.B.(FURNACE) #B102	8	8							
9 J.B.(FURNACE) #B102	2 #12+G -3/4"C	20	1	500			1	20		SPARE	10	10							
11 J.B.(FURNACE) #B102	2 #12+G -3/4"C	20	1	500			1	20		SPARE	12	12							
13 RECEPT. #B102	2 #12+G -3/4"C	20	1	720	360		1	20	2 #12+G -3/4"C	RECEPT. #B105	14	14							
15 RECEPT. #B102	2 #12+G -3/4"C	20	1	720	360		1	20	2 #12+G -3/4"C	RECEPT. #B105	16	16							
17 RECEPT. #B103	2 #12+G -3/4"C	20	1	360	1176		1	20		OHD	18	18							
19 RECEPT. #B103	2 #12+G -3/4"C	20	1	360			1	20			20	20							
21							1	20				22							
23							2	30				24							
25							2	30				26							
27							2	30				28							
29							2	30				30							
31							2	30				32							
33							2	30				34							
35							2	30				36							
37							2	30				38							
39							2	30				40							
41							2	30				42							
LOAD PER PHASE				15,048	15,048	15,048		(SHUNT-TRIP MAIN BKR) (FEED THROUGH LUGS)											
(RECESSED MTD) TOTAL =				47,760				PANEL TOTAL =											

208/120V, 3 PHASE, 4 WIRE 22,000 A.I.C.												HSP2						225A MLO 225A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	POLE	LOAD IN WATTS			TRIP	POLE	WIRE & CONDUIT	LOAD SERVED	TRIP	POLE							
				aA	aB	aC													
43 NOCTI TRAINER	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	NOCTI TRAINER	44	44							
45 NOCTI TRAINER	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	NOCTI TRAINER	46	46							
47 NOCTI TRAINER	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	NOCTI TRAINER	48	48							
49 NOCTI TRAINER	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	NOCTI TRAINER	50	50							
51 NOCTI TRAINER	2 #12+G -3/4"C	20	1				1	20	2 #12+G -3/4"C	NOCTI TRAINER	52	52							
53							1	20				54							
55							1	20				56							
57							1	20				58							
59							1	20				60							
61							1	20				62							
63							1	20				64							
65							1	20				66							
67							1	20				68							
69							1	20				70							
71							1	20				72							
73							1	20				74							
75							1	20				76							
77							1	20				78							
79							3	100				80							
81							3	100				82							
83							3	100				84							
LOAD PER PHASE								(SHUNT-TRIP MAIN BKR) (FEED THROUGH LUGS)											
(RECESSED MTD) TOTAL =				-	-	-		PANEL TOTAL =											

208/120V, 3 PHASE, 4 WIRE 22,000 A.I.C.												PSP2						225A MCB 225A BUS	
LOAD SERVED	WIRE & CONDUIT	TRIP	POLE	LOAD IN WATTS			TRIP	POLE	WIRE & CONDUIT	LOAD SERVED	TRIP	POLE							
				aA	aB	aC													
1 RECEPT. #B119	2 #12+G -3/4"C	20	1	720	360		1	20	2 #12+G -3/4"C	RECEPT. #B121	2	2							
3 RECEPT. #B119	2 #12+G -3/4"C	20	1	720	360		1	20	2 #12+G -3/4"C	RECEPT. #B121	4	4							
5 OHD	2 #12+G -3/4"C	20	1			1175	360	1	20			6							
7 FUEL OIL MON. PNL.	2 #12+G -3/4"C	20	1	250	360		1	20	2 #12+G -3/4"C	RECEPT. #B125	8	8							
9 DRILL PRESS (P16) #B119	2 #12+G -3/4"C	20	1	1032	360		1	20	2 #12+G -3/4"C	RECEPT. #B122B	10	10							
11 GRINDER (P15) #B119	2 #12+G -3/4"C	20	1	600	360		1	20	2 #12+G -3/4"C	RECEPT. #B122B	12	12							
13 WORK BENCH (P13) #B119	2 #12+G -3/4"C	20	1	360			1	20				14							
15							1	20				16							
17							1	20				18							
19							1	20				20							
21							1	20				22							
23							1	20				24							
25							1	20				26							
27							1	20				28							
29							2	50				30							
31							2	50				32							
33							2	50				34							
35							2	50				36							
37							3	100				38							
39							3	100				40							
41																			

GENERAL NOTES

WIRING & RACEWAY:

- THE DRAWINGS SHOW THE GENERAL LAYOUT AND TYPICAL DETAILS. PROVIDE COMPLETE SYSTEMS. DRAWINGS ARE BASED ON THE SPECIFIED EQUIPMENT, RACEWAY LAYOUTS, BOXES, AND WIRING OF THE SYSTEMS ARE SUBJECT TO APPROVED SHOP DRAWINGS.
- ENSURE THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE. MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND PROVIDE SUCH SIZES AND SHAPES OF EQUIPMENT THAT FINAL INSTALLATION SHALL SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- LOCATIONS OF OUTLETS, SWITCHES, APPLIANCES, ETC. AS SHOWN ON TELECOMMUNICATIONS PLANS ARE APPROXIMATE; COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS AND DETAILS, AND WITH JOB CONDITIONS.
- LOCATE AND INSTALL TELECOMMUNICATIONS EQUIPMENT, JUNCTION AND PULL BOXES, CONTROLS, AND OTHER APPARATUS REQUIRING MAINTENANCE, INSPECTION, AND OPERATION SO AS TO BE READILY ACCESSIBLE.

RACEWAY INSTALLATION:

- IN ALL ARCHITECTURALLY FINISHED SPACES, CONDUITS AND CABLES SHALL BE RUN CONCEALED IN HUNG OR FURRED CEILINGS, SLABS, MASONRY, AND PARTITIONS UNLESS OTHERWISE INDICATED. SAW CUTTING AND FINISHED PATCHING SHALL BE REQUIRED IN EXISTING SLABS AND MASONRY WALLS. IN UNFINISHED SPACES, RACEWAYS MAY BE RUN EXPOSED.
- UNLESS OTHERWISE INDICATED, EXACT ROUTING OF RACEWAYS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT PROJECT REQUIREMENTS AND FIELD CONDITIONS.
- PROVIDE SEPARATE RACEWAYS, JUNCTION BOXES, PULL BOXES AND WIREWAYS FOR ALL EMERGENCY SYSTEM WIRING.

GROUNDING INSTALLATION:

- EQUIPMENT GROUNDING
 - INSTALL AN INSULATED GROUND CONDUCTOR, RUN IN THE RACEWAY WITH THE PHASE CONDUCTORS, FOR EACH FEEDER SERVING PANELBOARDS, LIGHTING DIMMER BOARDS, MOTOR CONTROL CENTERS, MOTORS, EQUIPMENT AND APPLIANCES UNLESS OTHERWISE NOTED.
 - INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL CONDUIT RUNS CONTAINING SECTIONS OF FLEXIBLE CONDUIT UNLESS OTHERWISE NOTED.
 - INCLUDE AN INSULATED GROUND CONDUCTOR IN ALL BRANCH CIRCUIT RACEWAYS OR CABLES UNLESS OTHERWISE NOTED.
- TELECOMMUNICATIONS CLOSET GROUNDING
 - PROVIDE A #4 AWG GROUND CONDUCTOR RISER IN 1" EMT CONDUIT TO EACH TELECOMMUNICATIONS CLOSET GROUNDING BUSBAR (TGB) FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB), AND TO MAIN SERVICE GROUNDING ELECTRODE SYSTEM.
 - CONNECT THE GROUND RISER TO TMGB AND TGB'S PER TIA/EIA STANDARD 607 - 1994.
 - PROVIDE ADDITIONAL #4 AWG GROUND CABLE CONNECTIONS FROM EACH TMGB AND TGB TO THE CLOSEST BUILDING STEEL AND TO THE GROUND BUS IN THE ELECTRIC PANEL FEEDING THE OUTLETS AND EQUIPMENT IN THE ASSOCIATED TELECOMMUNICATIONS ROOM/CLOSET.
- GROUND EACH TELECOMMUNICATIONS, FIRE ALARM, SECURITY, AND BMS SYSTEM EQUIPMENT AND CONTROL PANEL WITHIN EACH TELECOMMUNICATIONS ROOM/CLOSET TO THE ASSOCIATED CLOSET TMGB OR TGB WITH A #4 AWG CONDUCTOR PER TIA/EIA STANDARD 607 - 1994.

RACEWAYS FOR TELECOMMUNICATION SYSTEMS:

- PROVIDE EMPTY CONDUIT SYSTEMS FOR TELECOMMUNICATION WORK, COMPLETE WITH PULL BOXES, OUTLET BOXES, AND CONDUIT AS INDICATED ON THE DRAWINGS. REFER TO SECTION 16740 FOR TELECOMMUNICATIONS SYSTEM WIRING, OUTLETS, AND COVERPLATES.
- PROVIDE MINIMUM INSIDE BENDING RADIUS OF 10 TIMES CONDUIT INSIDE DIAMETER FOR TELECOMMUNICATIONS RACEWAYS.
- WHEN COMPLETED THE CONDUIT SYSTEMS SHALL BE READY FOR THE INSTALLATION OF WIRING AND EQUIPMENT.
- FROM EACH OUTLET PROVIDE A 1" EMPTY EMT CONDUIT ROUTED INTO THE CEILING CAVITY OR TO THE CLOSEST TELECOMMUNICATIONS CLOSET. PROVIDE A DRAG LINE IN EACH RUN AND TERMINATE IN A BUSHED ELBOW.
- ALL TELECOMMUNICATIONS OUTLETS SHALL BE INSTALLED IN A SINGLE GANG BOX UNLESS OTHERWISE NOTED.
- E.C. SHALL LOCATE OVERHEAD PROJECTOR OUTLET/CABLE APPROXIMATELY 14'-0" BACK FROM THE CENTER OF THE TEACHING WALL.

ELEVATOR EQUIPMENT WIRING:

- WORK INCLUDED
 - ELEVATOR EQUIPMENT WIRING INCLUDES TELEPHONE SERVICE CONNECTIONS.
 - ELEVATOR CONTROL WIRING AND INTERLOCK CONTROLS ARE NOT INCLUDED.
- COMPONENTS
 - PROVIDE CONDUIT FOR ELEVATOR COMMUNICATION SYSTEMS.
- COORDINATION
 - COORDINATE ENTIRE INSTALLATION WITH ELEVATOR SYSTEM SUPPLIER PRIOR TO COMMENCEMENT OF WORK.

COORDINATION DRAWINGS

- DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.
 - SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVIEWED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.
 - AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISOR PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE OTHERS TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK:
 - MECHANICAL SHEET METAL
 - PLUMBING CONTRACTOR
 - ELECTRICAL WORK
 - MECHANICAL PIPING
 - SPRINKLER PIPING
 - TELECOMMUNICATIONS WORK
 - AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWING IS RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.
 - THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY. COORDINATION DRAWINGS ARE NOT TO BE CONSIDERED PIPING OR DUCT SHOP DRAWINGS. THE CONTRACTOR IS REQUIRED TO SUBMIT INDIVIDUAL PIPING AND DUCTWORK SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. PIPING AND DUCTWORK SHOP DRAWINGS SHALL FOLLOW THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
 - SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY. SPECIFIC INSTALLATION REQUIREMENTS WILL BE REVIEWED ONLY IN INDIVIDUAL TRADE SHOP DRAWINGS.
 - ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS.
 - EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE FOR THE COORDINATION OF HIS SUB-CONTRACTORS.
 - THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

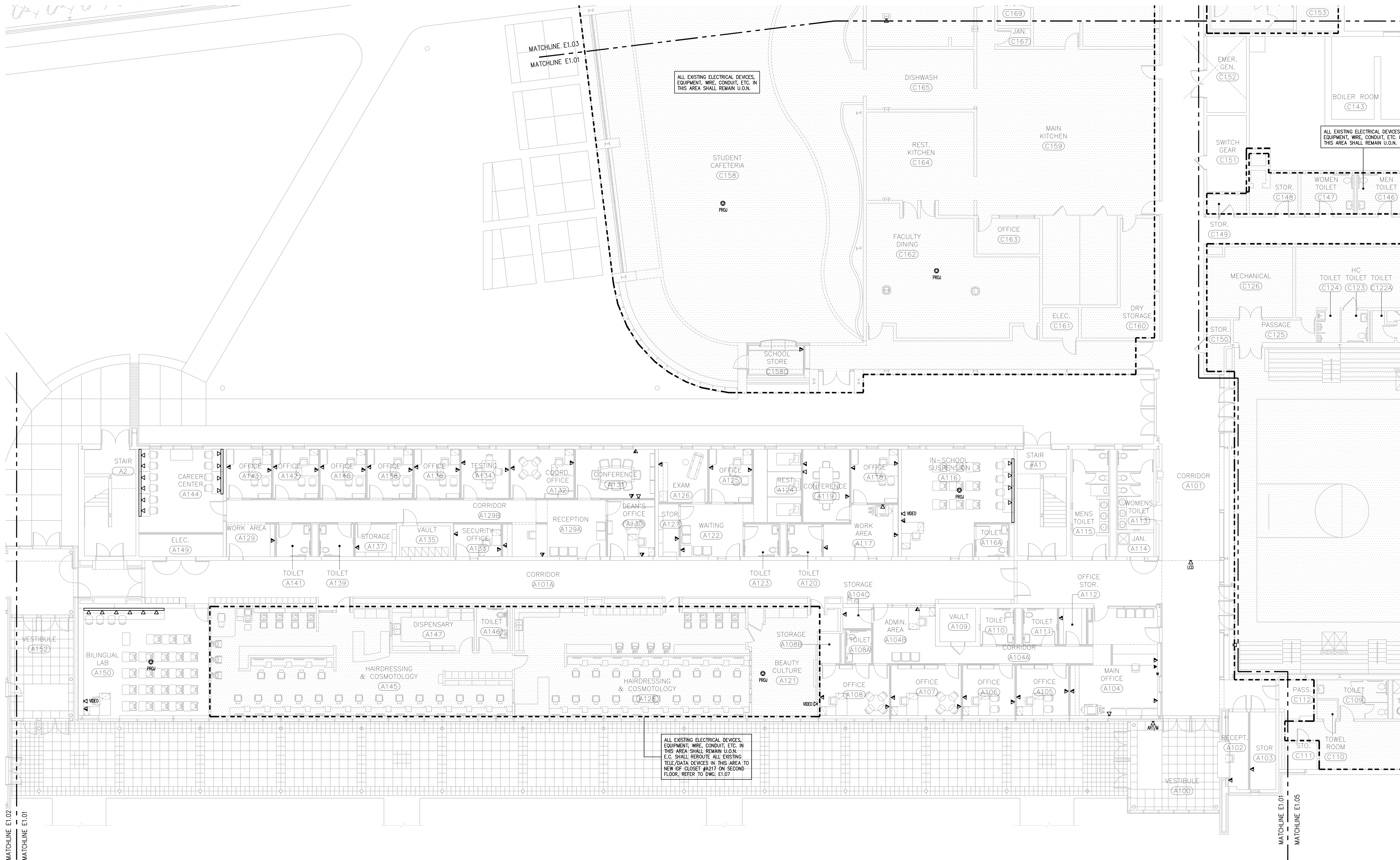
TELE/COMM. LEGEND

▽	COMBINATION TELEPHONE/DATA OUTLET - 18" AFF U.O.N.
⊙ PROJ	DENOTES A DATA CONNECTION TO OVERHEAD PROJECTOR, CABLE ONLY NO JUNCTION BOX OR CONDUIT REQUIRED
▼	TELEPHONE OUTLET - 54" AFF U.O.N.
▽	DATA OUTLET - 18" AFF U.O.N.
▽ RT	AREA OF REFUGE TELEPHONE (LOCAL)
▽ RT/M	AREA OF REFUGE TELEPHONE (MASTER)
⊠	FLUSH FLOOR MOUNTED DATA OUTLET WITH BRASS COVER PLATE (WIREMOLD #880CS1-1/817B OR EQUAL)
VIDEO ▽	VIDEO OUTLET - 18" AFF U.O.N.
▽ ▽	DENOTES DATA OUTLETS MOUNTED IN WIREMOLD RACEWAY, COORDINATE EXACT LOCATION OF DEVICES IN FIELD
⊠	TWO GANG OUTLET BOX WITH TELEVISION ANTENNA OUTLET AND ADJACENT DUPLEX RECEPT. RUN 3/4"C. FROM OUTLET BOX TO ABOVE NEAREST ACCESSIBLE CORRIDOR CEILING FOR ANTENNA CABLING.

TELECOMMUNICATIONS DRAWING LIST

DRAWING NUMBER	DRAWING DESCRIPTION
T0.01	NOTES & SYMBOLS - TELECOMMUNICATIONS
T1.01	FIRST FLOOR PLAN AREA "A" & "C" - TELECOMMUNICATIONS
T1.02	FIRST FLOOR PLAN AREA "A" - TELECOMMUNICATIONS
T1.03	FIRST FLOOR PLAN AREA "B" & "C" - TELECOMMUNICATIONS
T1.04	FIRST FLOOR PLAN AREA "B" & "C" - TELECOMMUNICATIONS
T1.05	FIRST FLOOR PLAN AREA "C" - TELECOMMUNICATIONS
T1.06	FIRST FLOOR PLAN AREA "D" - TELECOMMUNICATIONS
T1.07	SECOND FLOOR PLAN AREA "A" & "C" - TELECOMMUNICATIONS
T1.08	SECOND FLOOR PLAN AREA "A" - TELECOMMUNICATIONS
T1.09	SECOND FLOOR PLAN AREA "B" - TELECOMMUNICATIONS
T3.01	ONE LINE DIAGRAM - TELECOMMUNICATIONS
T4.01	DETAILS - TELECOMMUNICATIONS

Drawing Title NOTES & SYMBOLS - TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No.
CAD No. 0532-E-PLAN-1		Project No. B-RT-843	TO.01



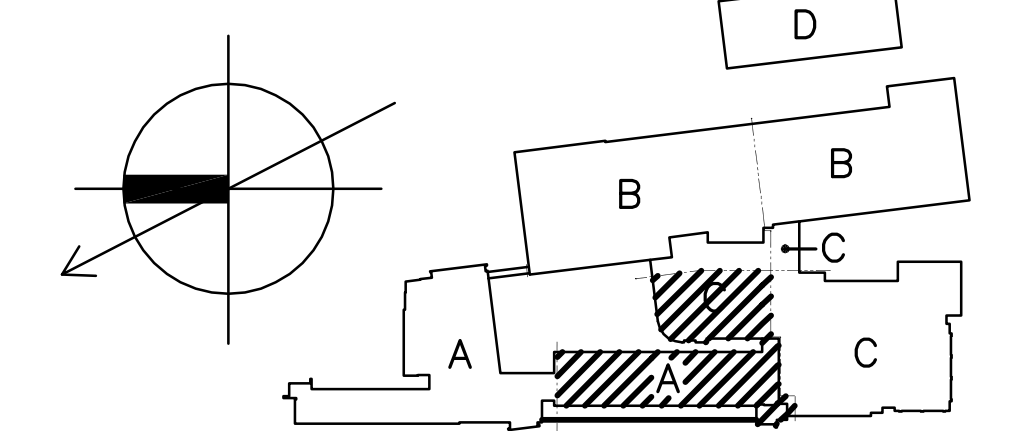
1 FIRST FLOOR PLAN - AREA "A" & "C"
T1.01 1/8"=1'-0"

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N. E.C. SHALL REROUTE ALL EXISTING TELE/DATA DEVICES IN THIS AREA TO NEW IDF CLOSET #A217 ON SECOND FLOOR. REFER TO DWG. E1.07

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

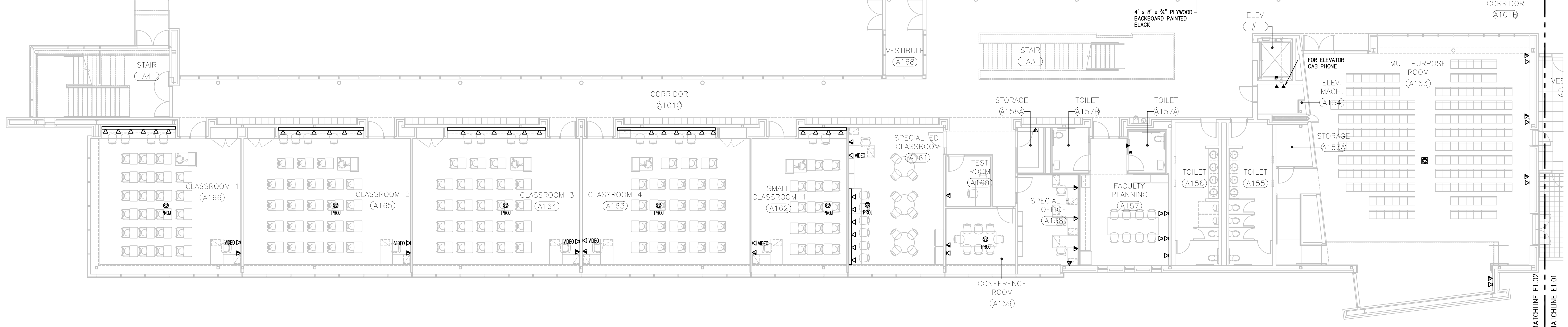
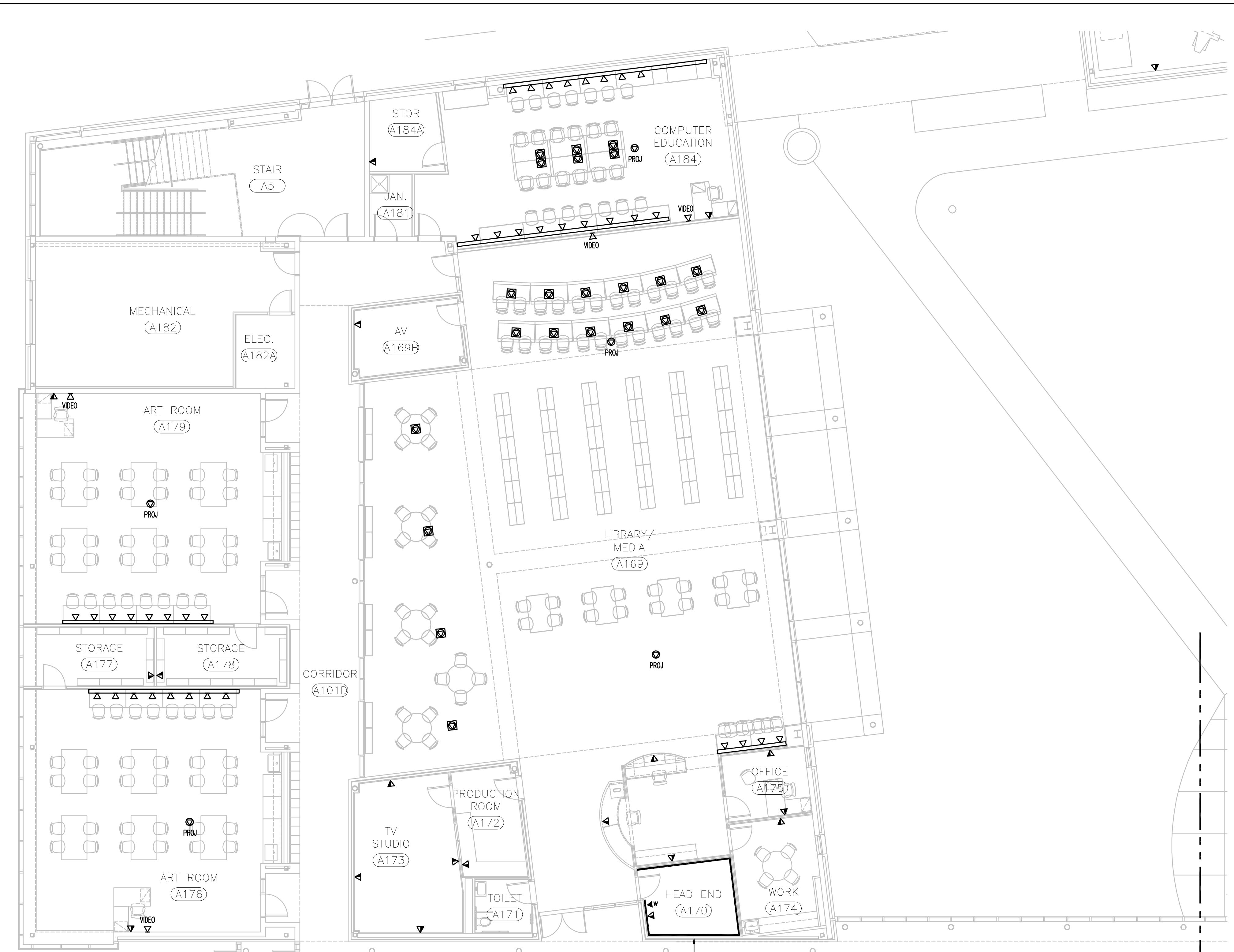
REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN - AREA "A" & "C"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	
Project H.C. Wilcox Technical High School Meriden, CT		Scale 1/8"=1'-0"	
Approved By RR		Drawn By SEC	
Drawing No. T1.01		Project No. BI-RT-843	
CAD No. 0532-E-PLAN-1			

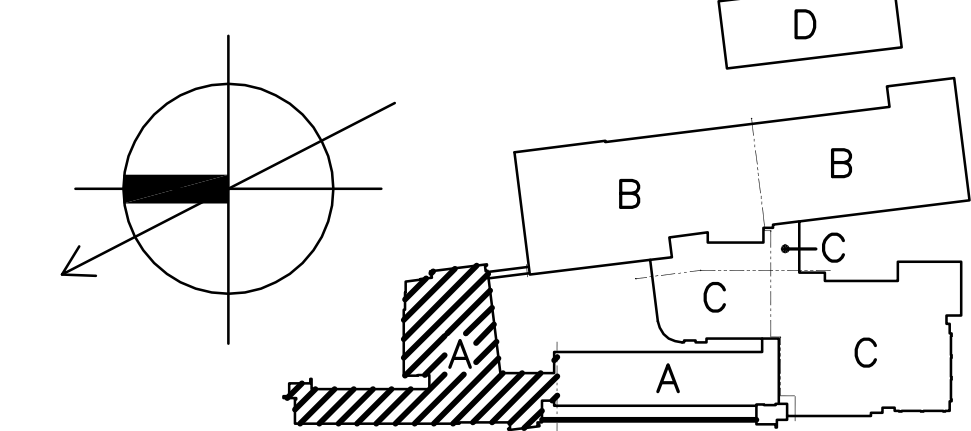


2 TEMPORARY ADMIN PART PLAN — AREA "A"
T1.02 SCALE: 1/8"=1'-0"



1 FIRST FLOOR PLAN — AREA "A"
T1.02 1/8"=1'-0"

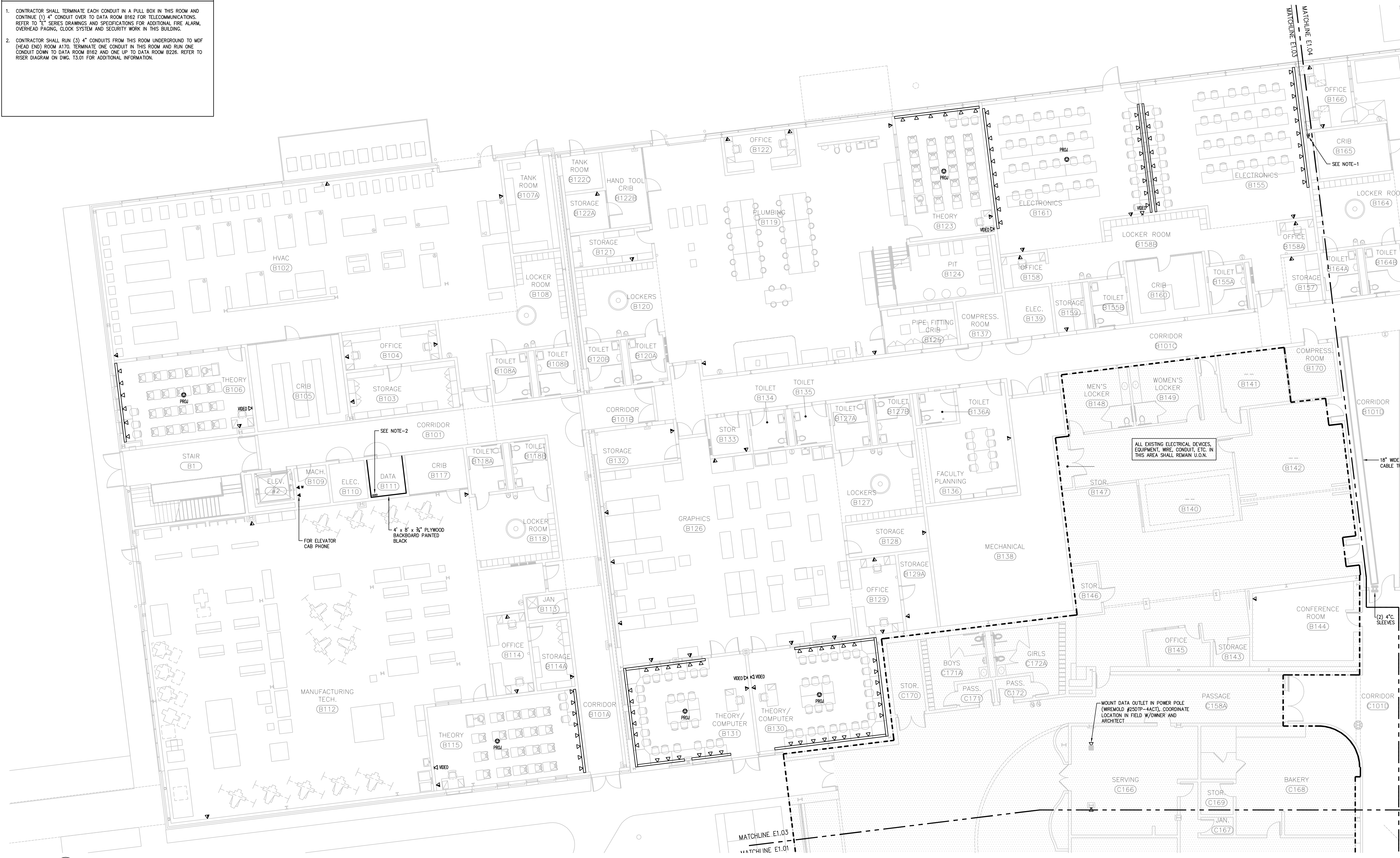
REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN — AREA "A"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School	Drawn By SEC
		Approved By RR	Approved By RR
		Project No. B-RT-843	Drawing No. T1.02
CAD No. 0532-E-PLAN-1			

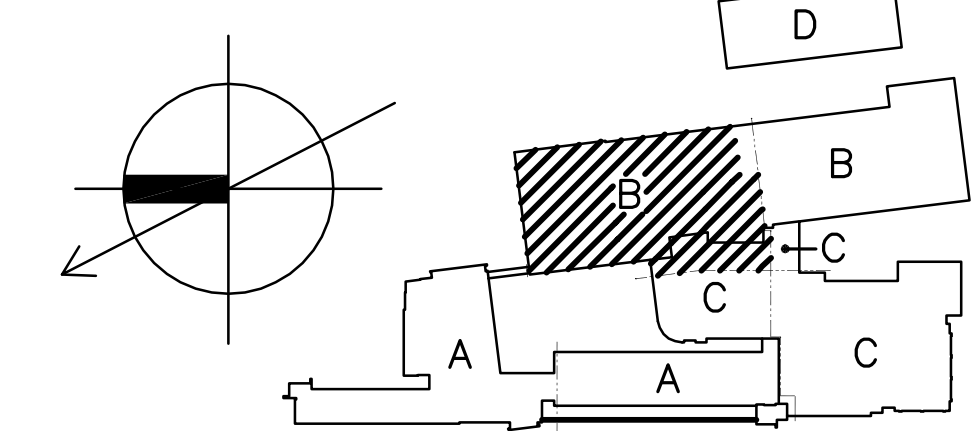
GENERAL NOTES

1. CONTRACTOR SHALL TERMINATE EACH CONDUIT IN A PULL BOX IN THIS ROOM AND CONTINUE (1) 4" CONDUIT OVER TO DATA ROOM B162 FOR TELECOMMUNICATIONS. REFER TO "E" SERIES DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL FIRE ALARM, OVERHEAD PAGING, CLOCK SYSTEM AND SECURITY WORK IN THIS BUILDING.
2. CONTRACTOR SHALL RUN (3) 4" CONDUITS FROM THIS ROOM UNDERGROUND TO MDF (HEAD END) ROOM A170. TERMINATE ONE CONDUIT IN THIS ROOM AND RUN ONE CONDUIT DOWN TO DATA ROOM B162 AND ONE UP TO DATA ROOM B226. REFER TO RISER DIAGRAM ON DWG. 13.01 FOR ADDITIONAL INFORMATION.



1 FIRST FLOOR PLAN - AREA "B" & "C"
T1.03 1/8"=1'-0"

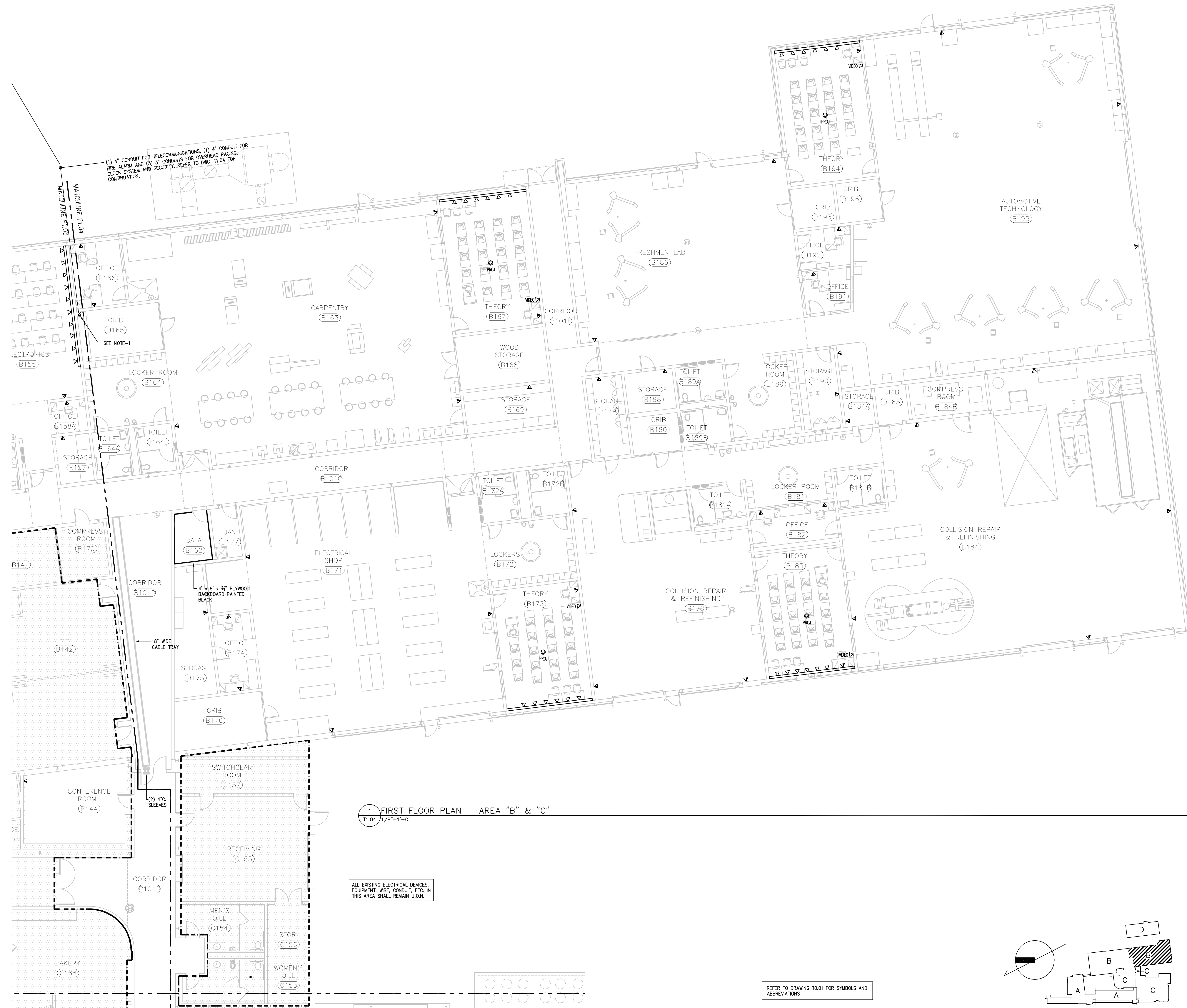
REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title FIRST FLOOR PLAN - AREA "B" & "C" TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Date: 1/28/2011 Scale 1/8"=1'-0" Drawn By SEC Approved By RR Drawing No. T1.03
CAD No. 0532-E-PLAN-1		Project No. B-RT-843	

GENERAL NOTES

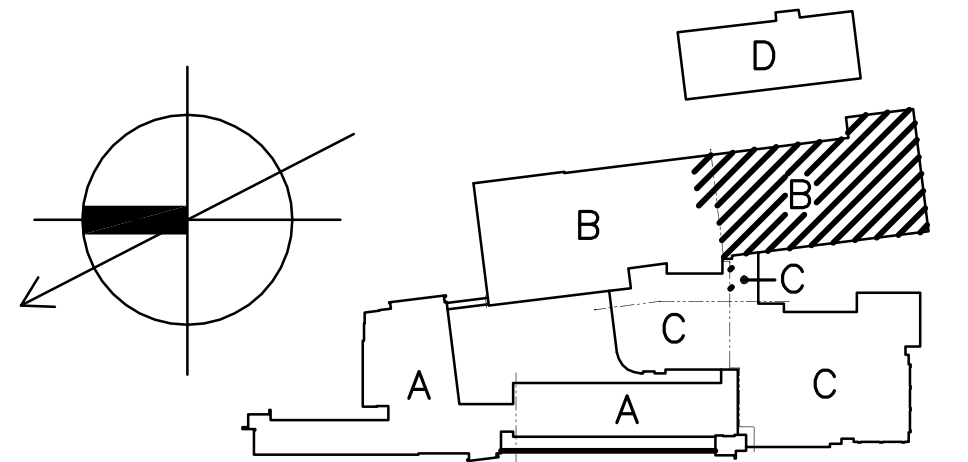
- CONTRACTOR SHALL TERMINATE EACH CONDUIT IN A PULL BOX IN THIS ROOM AND CONTINUE (1) 4" CONDUIT OVER TO DATA ROOM B162 FOR TELECOMMUNICATIONS. REFER TO "E" SERIES DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL FIRE ALARM, OVERHEAD PAGING, CLOCK SYSTEM AND SECURITY WORK IN THIS BUILDING.



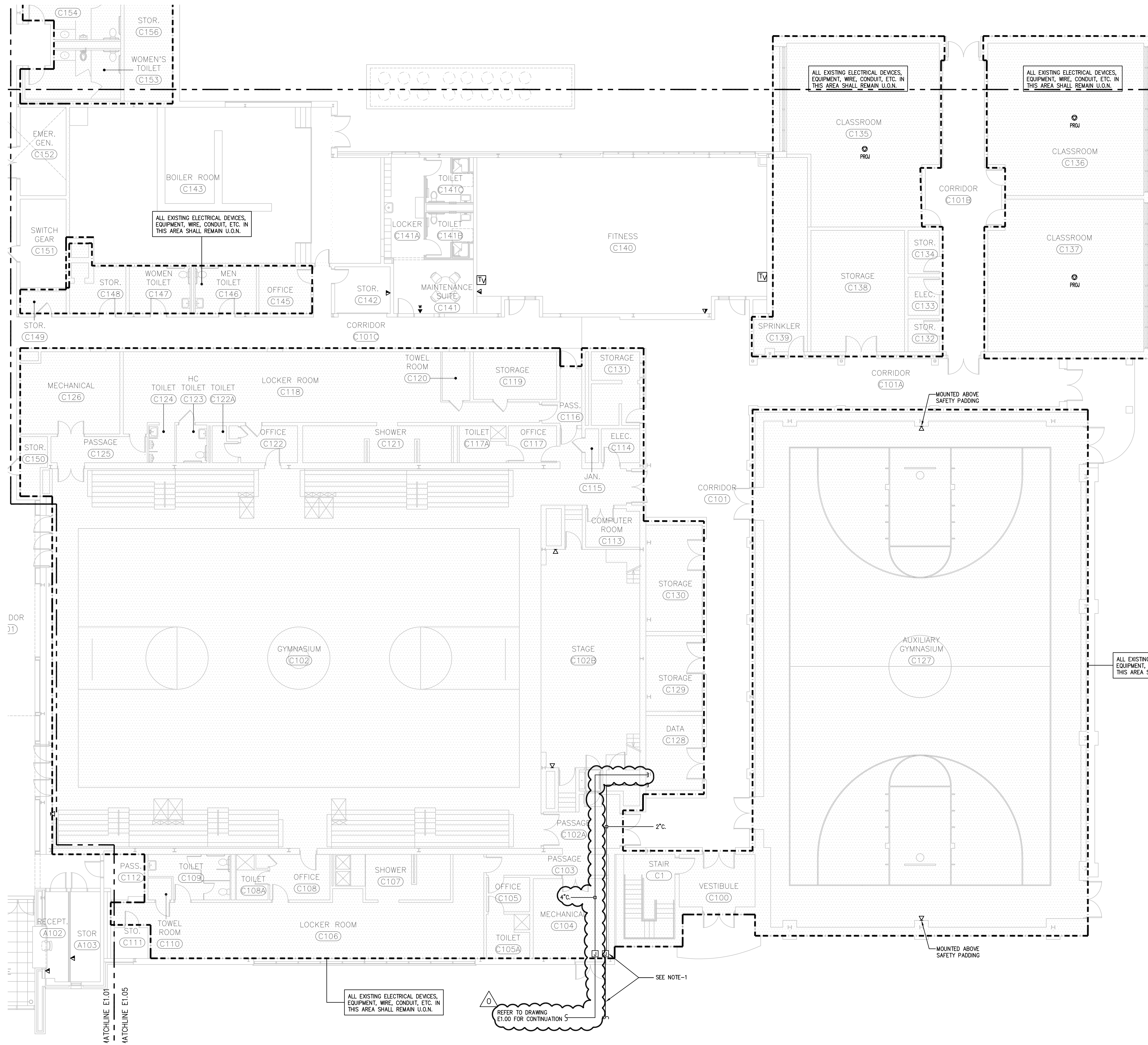
1 FIRST FLOOR PLAN - AREA "B" & "C"
T1.04 1/8"=1'-0"

ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, WIRE, CONDUIT, ETC. IN THIS AREA SHALL REMAIN U.O.N.

REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



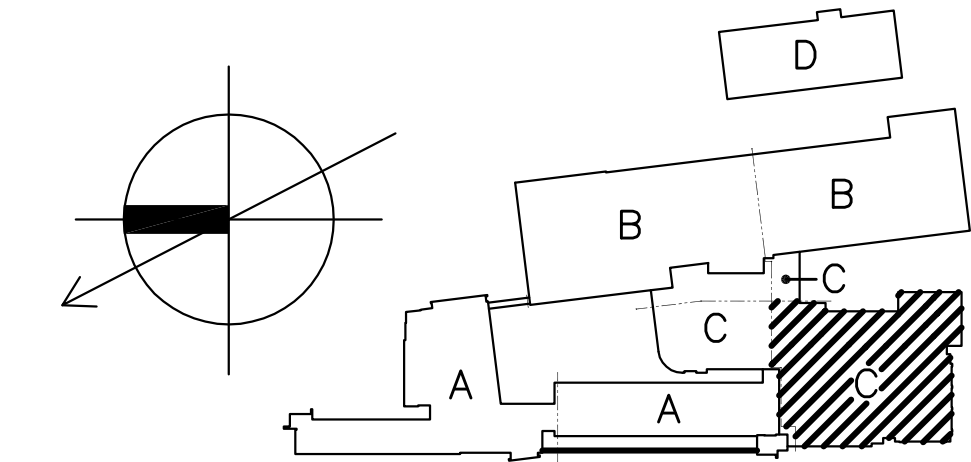
Drawing Title FIRST FLOOR PLAN - AREA "B" & "C" TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tol Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No.
CAD No. 0532-E-PLAN-1		Project No. B-RT-843	T1.04



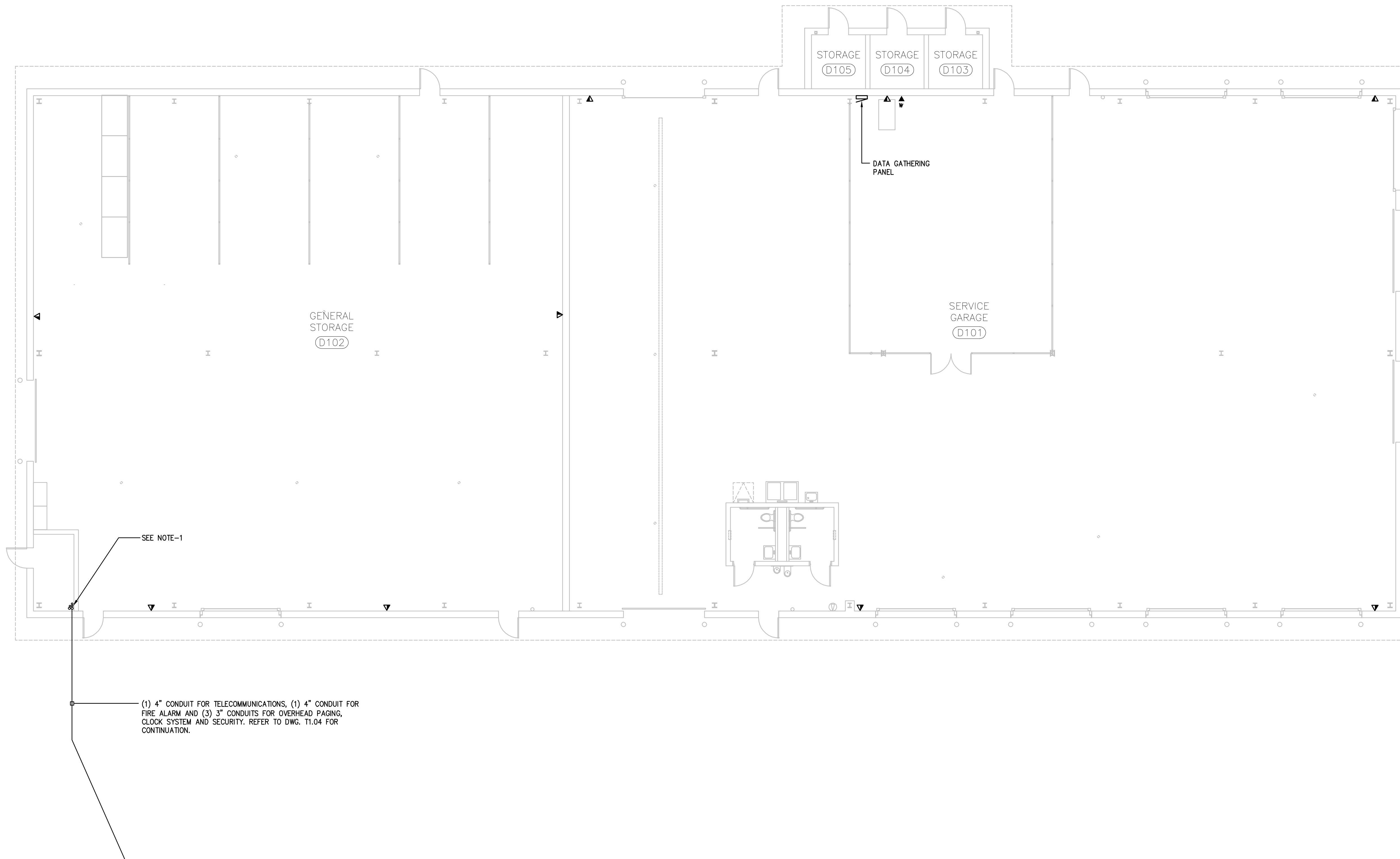
- GENERAL NOTES**
- CONTRACTOR SHALL INSTALL A PULL BOX IN THIS ROOM AND CONTINUE 2" CONDUIT OUT TO NEW ELECTRONIC SCHOOL SIGN. REFER TO DRAWING E1.00 FOR EXACT LOCATION OF SIGN. CONTRACTOR SHALL COORDINATE PENETRATION THROUGH EXISTING EXTERIOR WALL/FLOOR WITH EXISTING EQUIPMENT, PIPING AND DUCT WORK IN THIS ROOM. ALSO THE CONTRACTOR SHALL TEMPORARILY RUN (3) 4" CONDUITS FROM DATA ROOM C125 OUT TO THE PORTABLE CLASSROOM TRAILERS LOCATED OUT FRONT OF THE BUILDING DURING THE PROJECT. REFER TO PHASING PLANS FOR LOCATION OF TRAILERS.
 - CONTRACTOR SHALL INSTALL A 4" CONDUIT FROM EXISTING IDF ROOM C128 TO NEW MDF ROOM A170. REFER TO DRAWING E1.00 FOR ROUTING OF THE EXTERIOR UNDERGROUND CONDUIT. CONTRACTOR SHALL COORDINATE PENETRATION THROUGH EXISTING EXTERIOR WALL.

1 FIRST FLOOR PLAN - AREA "C"
T1.05 1/8"=1'-0"

REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title FIRST FLOOR PLAN - AREA "C" TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Approved By RR	Drawn By SEC
		Project No. B-RT-843	Approved By RR
		CAD No. 0532-E-PLAN-1	Drawing No. T1.05



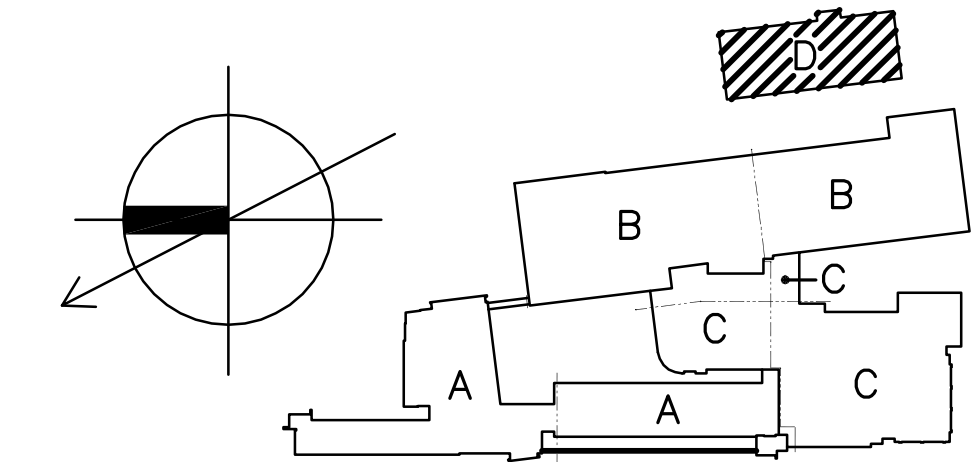
(1) 4" CONDUIT FOR TELECOMMUNICATIONS, (1) 4" CONDUIT FOR FIRE ALARM AND (3) 3" CONDUITS FOR OVERHEAD PAGING, CLOCK SYSTEM AND SECURITY. REFER TO DWG. T1.04 FOR CONTINUATION.

GENERAL NOTES

1. CONTRACTOR SHALL TERMINATE EACH CONDUIT IN A PULL BOX IN THIS UTILITY ROOM AND CONTINUE (1) 4" CONDUIT OVER TO NEW DATA GATHER PANEL. REFER TO "E" SERIES DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL FIRE ALARM, OVERHEAD PAGING, CLOCK SYSTEM AND SECURITY WORK IN THIS BUILDING.

1 FIRST FLOOR PLAN — AREA "D"
T1.06 1/8"=1'-0"

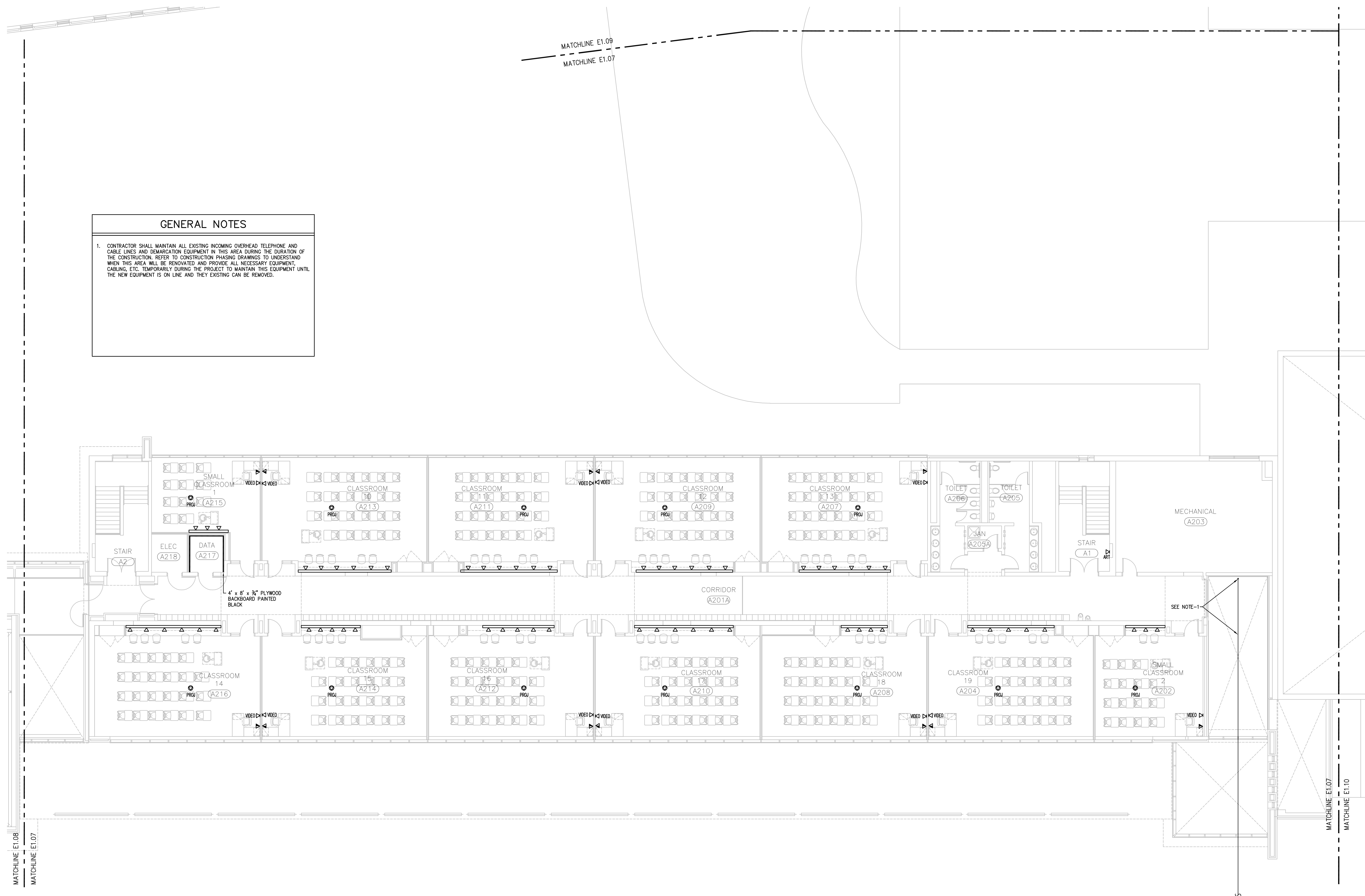
REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title FIRST FLOOR PLAN AREA "D" — TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No.
CAD No. 0532-E-PLAN-1		Project No. BI-RT-843	T1.06

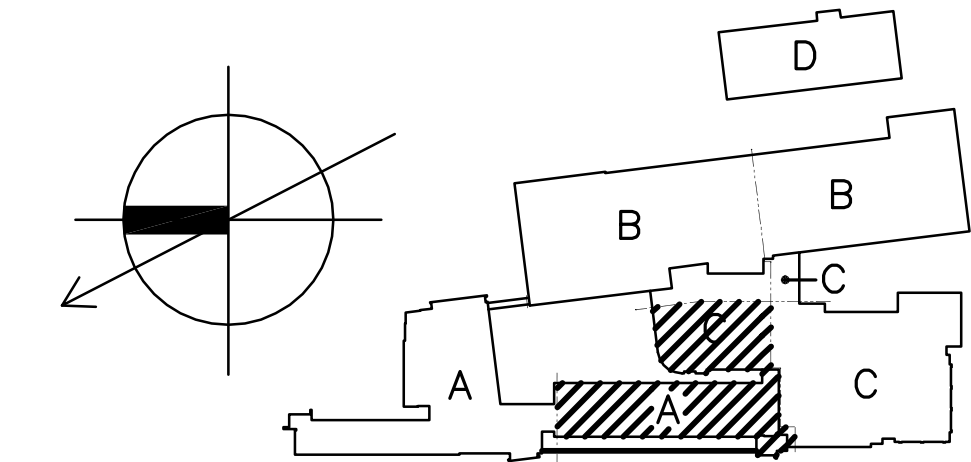
GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ALL EXISTING INCOMING OVERHEAD TELEPHONE AND CABLE LINES AND DEMARICATION EQUIPMENT IN THIS AREA DURING THE DURATION OF THE CONSTRUCTION. REFER TO CONSTRUCTION PHASING DRAWINGS TO UNDERSTAND WHEN THIS AREA WILL BE RENOVATED AND PROVIDE ALL NECESSARY EQUIPMENT, CABLING, ETC. TEMPORARILY DURING THE PROJECT TO MAINTAIN THIS EQUIPMENT UNTIL THE NEW EQUIPMENT IS ON LINE AND THE EXISTING CAN BE REMOVED.

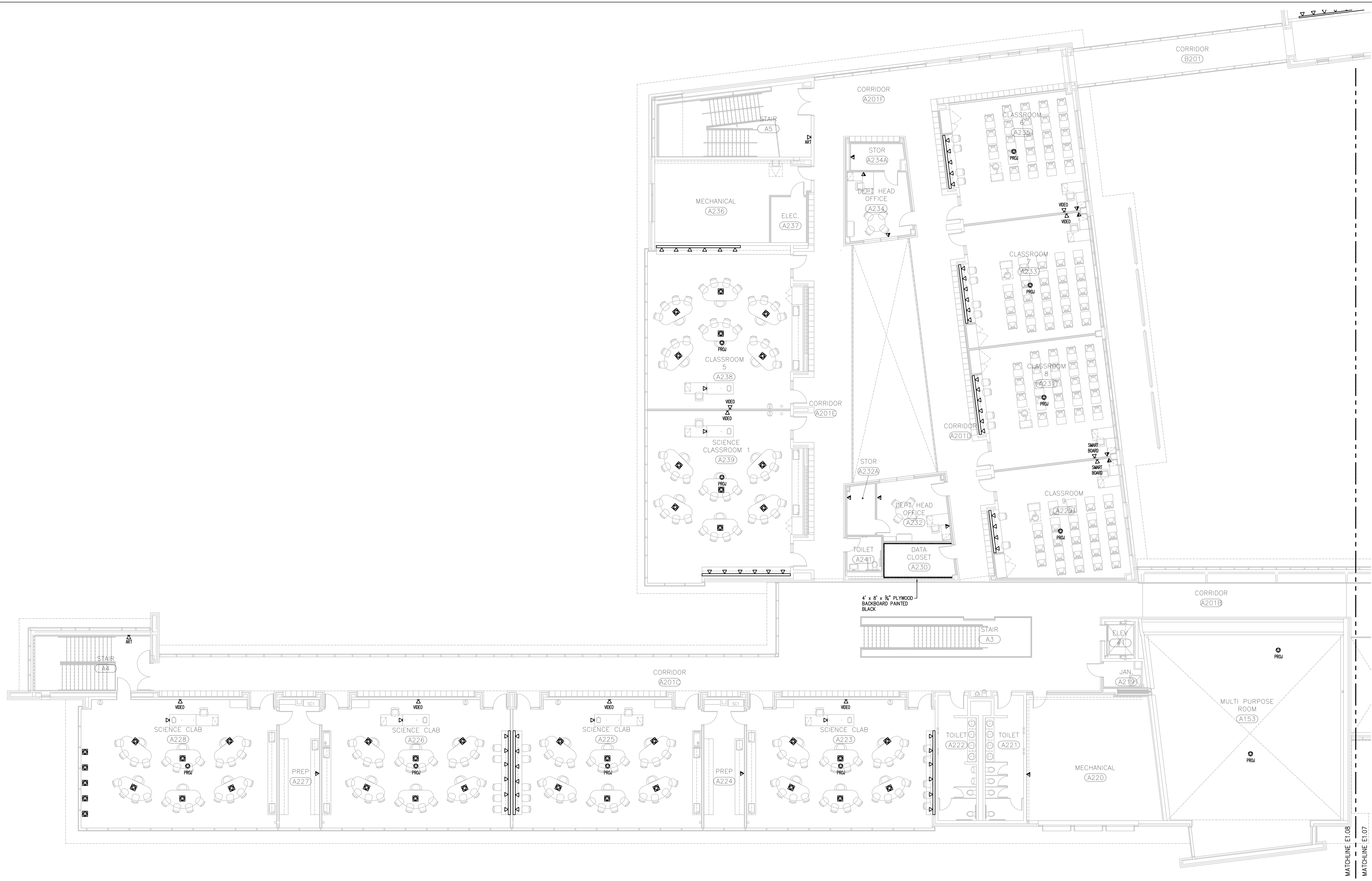


1 SECOND FLOOR PLAN - AREA "A" & "C"
T1.07 1/8" = 1'-0"

REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS

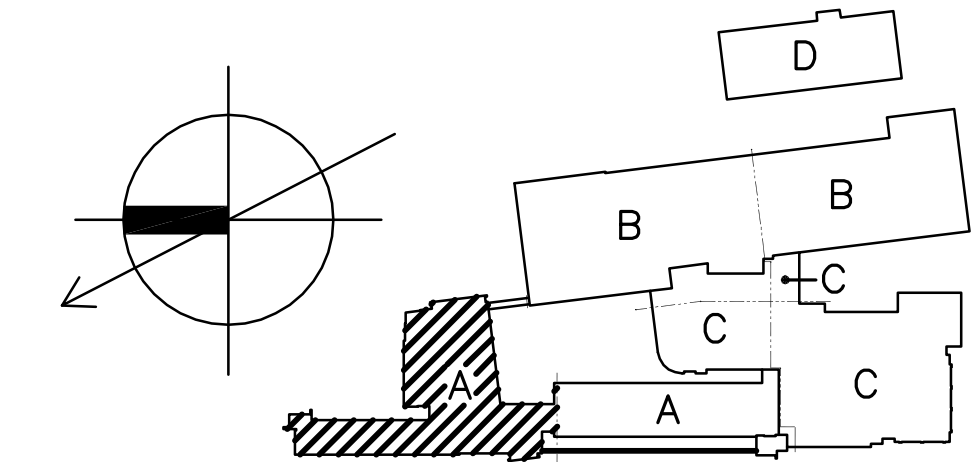


Drawing Title SECOND FLOOR PLAN - AREA "A" & "C" TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No. T1.07
CAD No. 0532-E-PLAN-2		Project No. BI-RT-843	



1 SECOND FLOOR PLAN - AREA "A"
 T1.08 1/8" = 1'-0"

REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



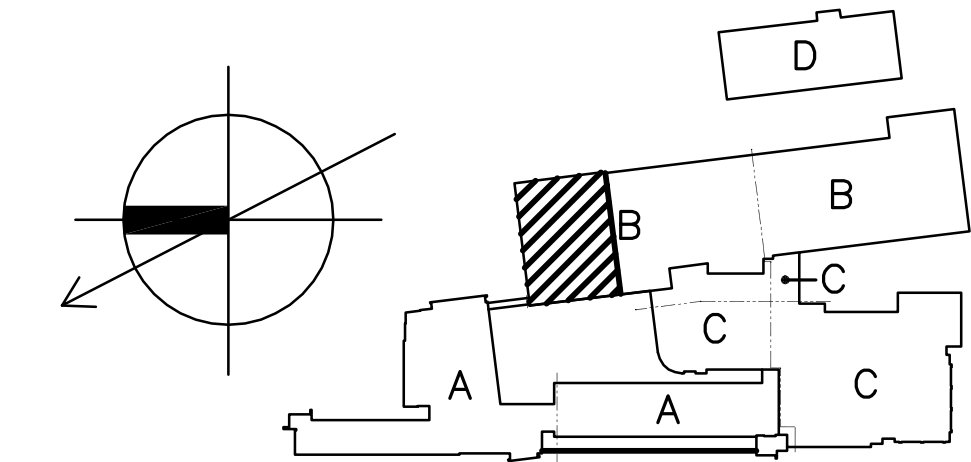
Drawing Title SECOND FLOOR PLAN - AREA "A" TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark	Date: 1/28/2011	Project H.C. Wilcox Technical High School Meriden, CT	
CAD No. 0532-E-PLAN-2	Scale 1/8"=1'-0"	Drawn By SEC	
		Approved By RR	
		Drawing No. T1.08	



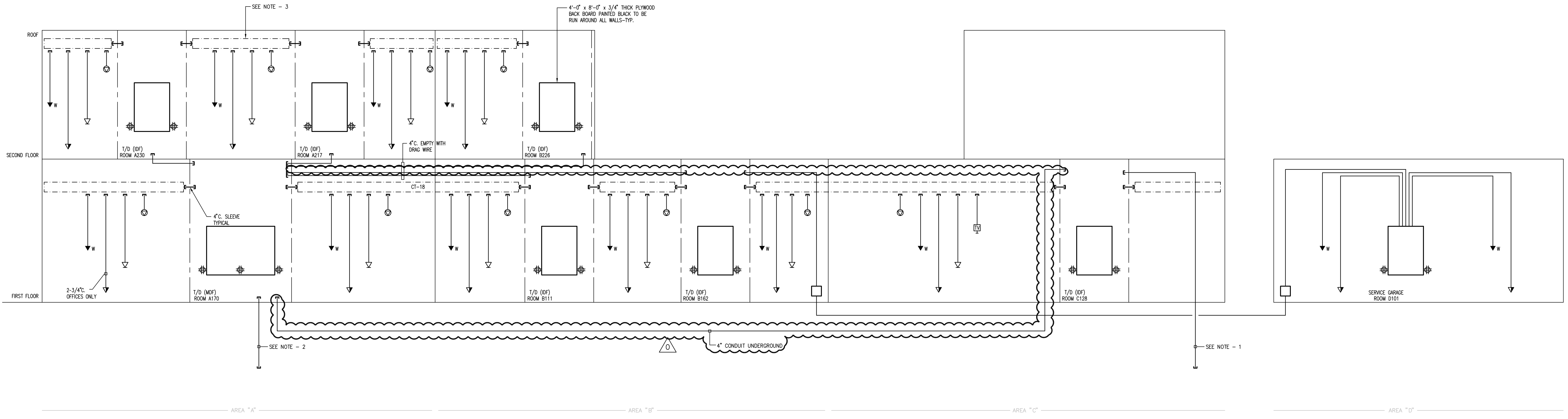
MATCHLINE E1.09
MATCHLINE E1.07

1 SECOND FLOOR PLAN - AREA "B"
T1.09 1/8" = 1'-0"

REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS



Drawing Title SECOND FLOOR PLAN - AREA "B" TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No.
CAD No. 0532-E-PLAN-2		Project No. B-RT-843	T1.09



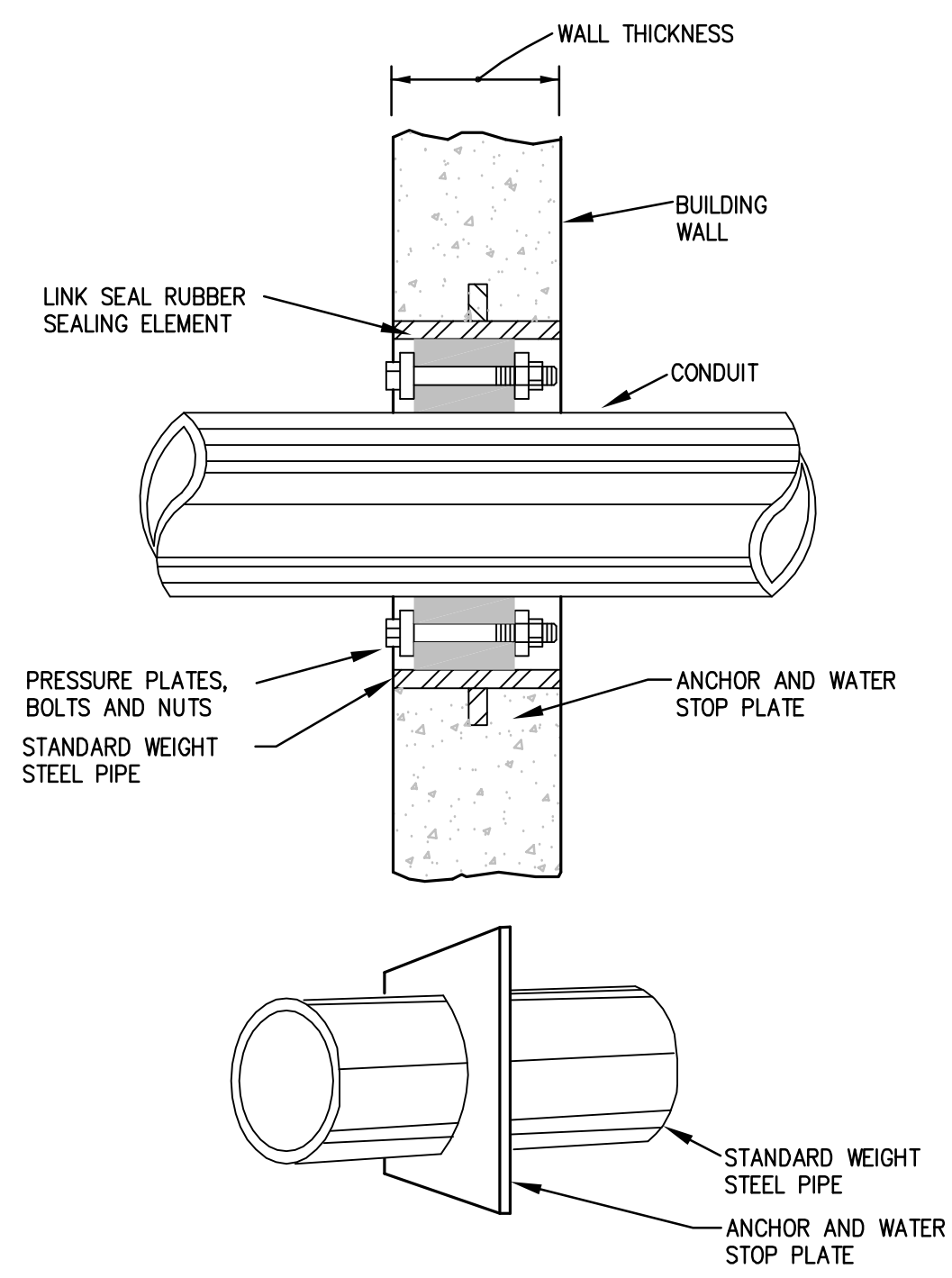
1 TELECOMMUNICATIONS RISER DIAGRAM
T3.01 N.T.S.

- ### TELECOMMUNICATIONS NOTES
- RISER DIAGRAM IS PARTIAL IN CONTENT AND IS NOT INTENDED TO SHOW THE ENTIRE SYSTEM. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF ALL DEVICES.
 - ALL 4" CONDUIT SLEEVES SHALL BE TERMINATED AT A MINIMUM OF 4" ABOVE THE FINISHED FLOOR (THREADED AND CAPPED). REFER TO SPECIFICATIONS FOR FIRE PROOFING REQUIREMENTS.
 - TERMINATE ALL CONDUITS A MAXIMUM OF 6" FROM EDGE OF CABLE RING SYSTEM WITH INSULATING BUSHING, TYPICAL FOR ALL SYSTEMS, AT ALL LEVELS, UTILIZING CABLE RINGS.
 - REFER TO TELECOMMUNICATIONS SECTION OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE APPROPRIATE CONDUIT FITTINGS FOR ALL RACEWAYS PASSING THRU SEISMIC JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.

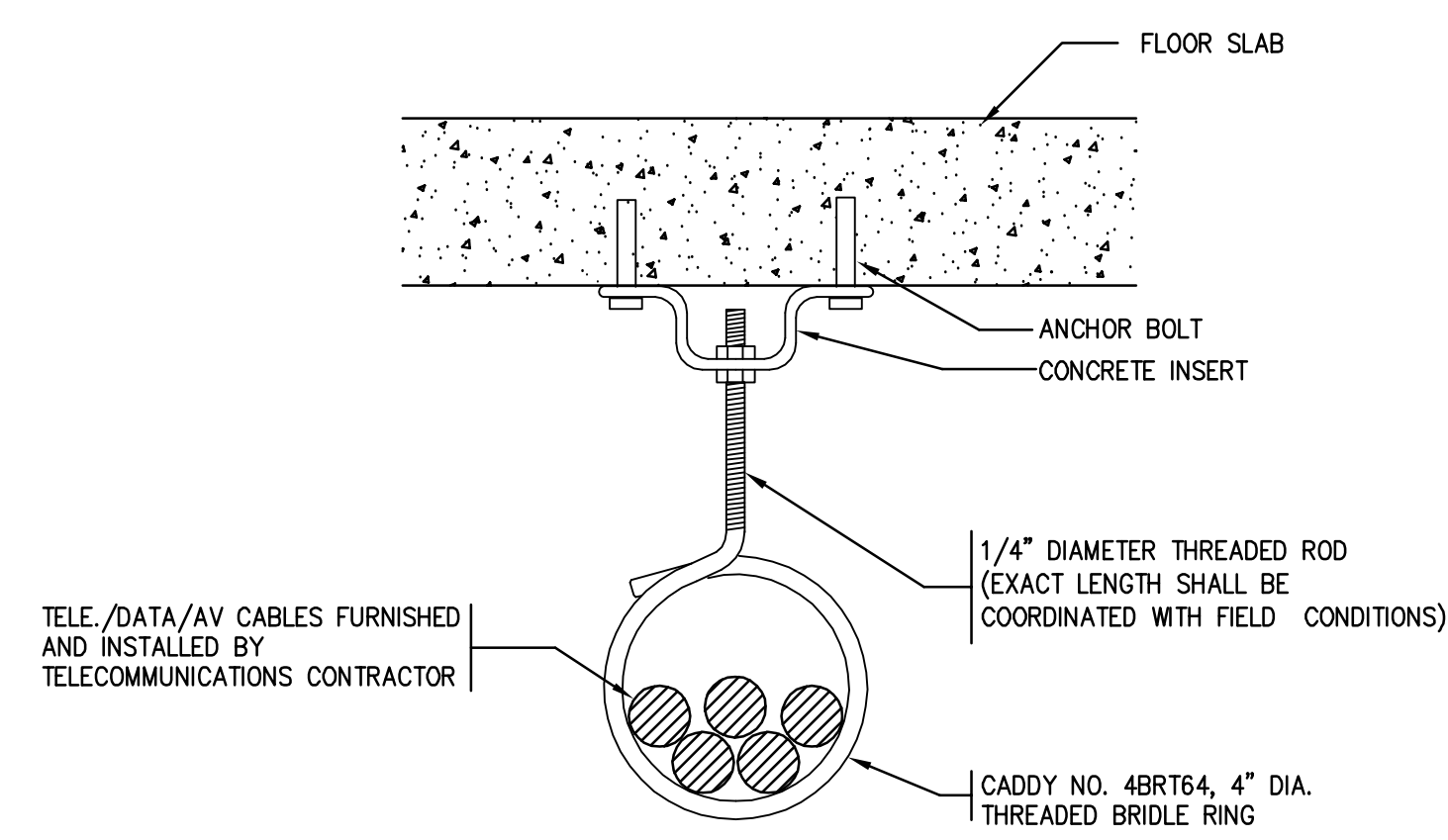
- ### GENERAL NOTES
- E.C. SHALL INSTALL (2) 4" CONDUITS FROM EXISTING IDF CLOSET #C128 OUT TO THE TEMPORARY CLASSROOM TRAILERS. COORDINATE EXACT LOCATION WITH ARCHITECT AND CIVIL ENGINEER. ONE CONDUIT IS FOR TELECOMMUNICATIONS, CLOCKS AND PAGING AND THE SECOND CONDUIT IS FOR FIRE ALARM AND SECURITY. ALSO RUN A 2" CONDUIT FROM NEW SCHOOL SIGN BACK TO IDF CLOSET #C128, COORDINATE EXACT LOCATION WITH DWG. E1.00 AND CIVIL ENGINEER.
 - E.C. SHALL RUN (3) 4" CONDUITS FROM EXISTING CL&P UTILITY POLE #2517 OUT AT OREGON ROAD TO NEW MDF ROOM. COORDINATE EXACT LOCATION WITH DWG. E1.00 AND CIVIL ENGINEER.
 - E.C. SHALL RUN "J-HOOKS" OUT IN ALL THE CORRIDORS BETWEEN IDF CLOSETS AND THE MDF ROOM FOR HORIZONTAL DISTRIBUTION. COORDINATE EXACT LOCATION WITH ALL OTHER TRADES.

REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title ONE-LINE DIAGRAM - TELECOMMUNICATIONS		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Mark	REVISD: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Scale NONE
		Approved By RR	Drawn By SEC
		Approved By RR	Drawn By RR
		Project No. B-R-843	Drawing No. T3.01
CAD No. 0148-T300			



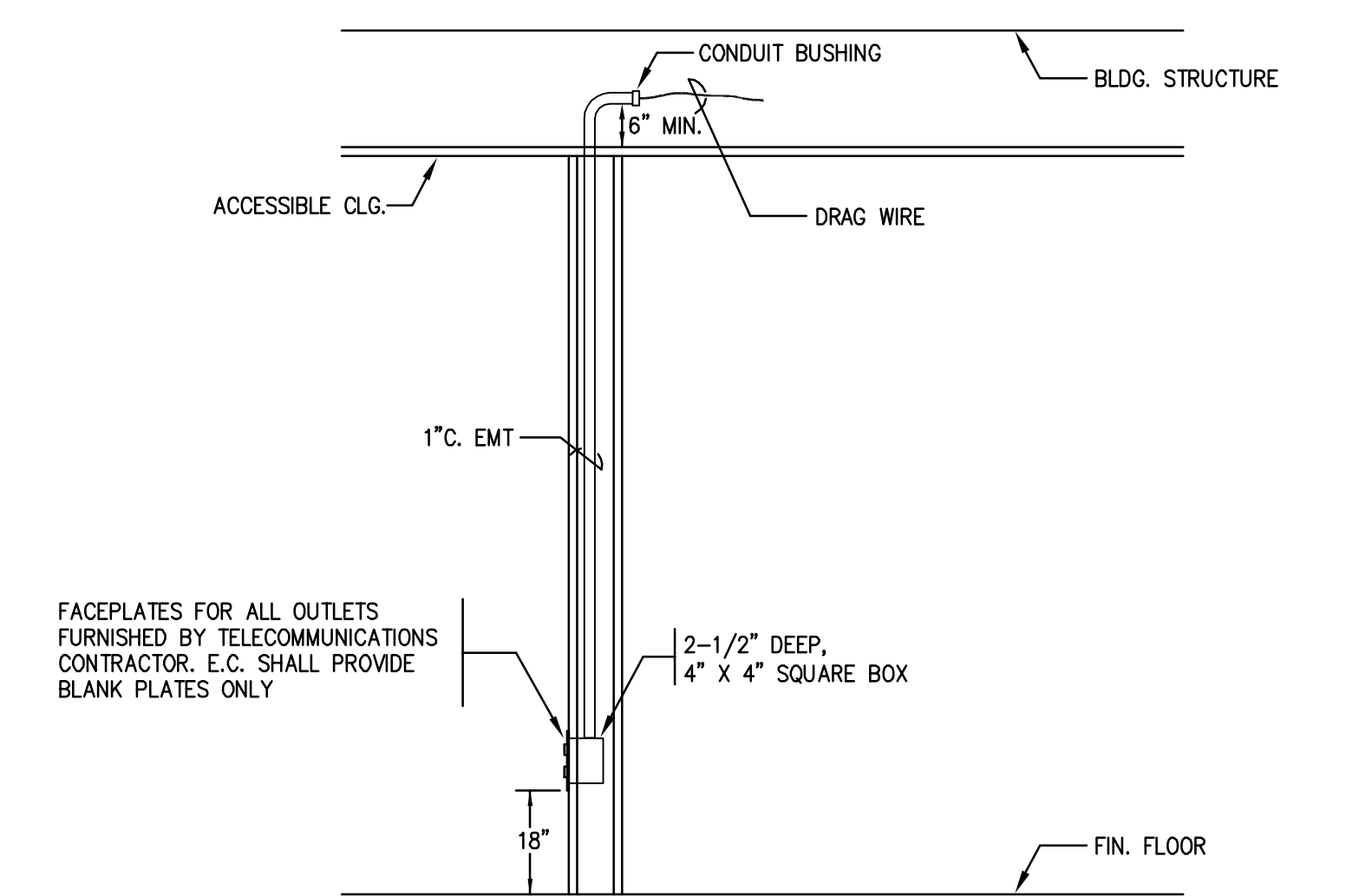
1 WATER-TIGHT WALL SLEEVE FOR NEW WALL
T4.01 N.T.S.



2 CABLE RING DETAIL
T4.01 N.T.S.

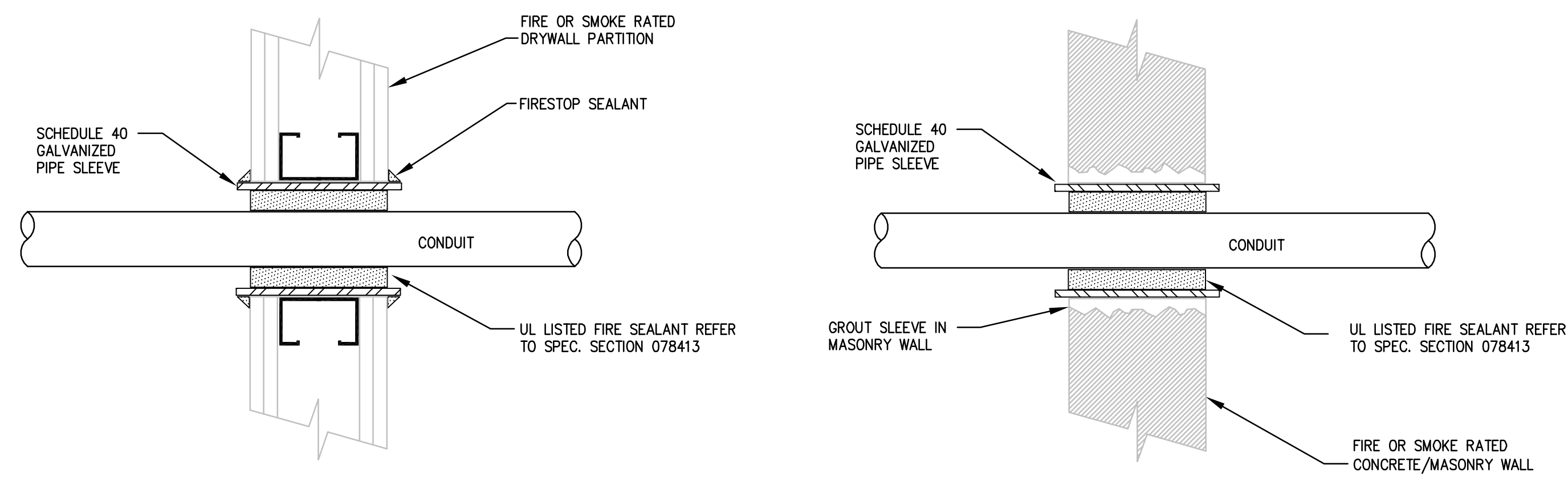
3
T4.01 N.T.S.

NOTES:
1. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT HEIGHT AND LOCATION OF OUTLET BOX.
2. TYPICAL FOR DATA, SPEAKER AND SECURITY SYSTEMS.



4 VOICE / DATA / AV OUTLET INSTALLATION DETAIL
T4.01 N.T.S.

GENERAL NOTES:
PROVIDE UL LISTED FIRE/SMOKE PENETRATION ASSEMBLY IN ACCORDANCE W/ UL1479, ASTM E814 REQUIREMENTS FOR WALL TYPE, RATING, PIPE SIZE INSTALLED.
FIRE STOPPING SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE WALL BEING PENETRATED - SEE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL RATINGS AND LOCATIONS.



5 WALL PENETRATION W/ FIRE/SMOKE SEAL DETAIL
T4.01 N.T.S.

REFER TO DRAWING T0.01 FOR SYMBOLS AND ABBREVIATIONS

Drawing Title		STATE OF CONNECTICUT	
DETAILS - TELECOMMUNICATIONS		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
		Drawing Prepared By Tai Seo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale NONE
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By CIC Approved By Initials Drawing No.
		CAD No. 0532-T5.01	Project No. BI-RT-843 T4.01

FIRE PROTECTION NOTES	
<p>NOTIFY PROPER AUTHORITIES (INCLUDING BUT NOT LIMITED TO: THE OWNER, STATE FIRE MARSHAL, INSURANCE COMPANY, ETC.) OF ANY FIRE PROTECTION "SHUT DOWNS". SCHEDULE ALL WORK TO MINIMIZE THE LENGTH OF TIME THAT THE FIRE PROTECTION SYSTEM(S) WILL BE OUT OF SERVICE. RETURN THE SPRINKLER SYSTEM BACK IN SERVICE AT THE END OF EACH WORKING DAY.</p> <p>THE CONTRACTOR SHALL PROVIDE A FIRE WATCH IF REQUIRED THE FIRE WATCH SCHEDULING AND PERSONNEL SHALL BE COORDINATED WITH THE OWNER, STATE FIRE MARSHAL AND INSURANCE COMPANY.</p> <p>REMOVE AND PROPERLY DISPOSE OF ALL EXISTING SPRINKLER BRANCH PIPING, SPRINKLER HEADS, ETC. WITHIN PROJECT LIMIT LINE (AS INDICATED ON DRAWINGS). RECONNECT ANY EXISTING SPRINKLERS / PIPING WHICH ARE OUT OF THE CONTRACT AREA AND NEED TO REMAIN IN SERVICE, TO NEW SPRINKLER PIPING, CAP ALL UNUSED OUTLETS.</p> <p>THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL & PROPER DISPOSAL OF ALL INDICATED PIPING AND EQUIPMENT, CAP ANY/ALL UNUSED OUTLETS.</p> <p>PIPING AND SPRINKLERS SHOWN DO NOT NECESSARILY REFLECT EXACT FIELD CONDITIONS. VERIFY EXTENT AND LOCATION OF WORK TO BE REMOVED.</p> <p>GENERAL DESCRIPTION: FIRE PROTECTION WORK INCLUDES BUT NOT LIMITED TO: REMOVAL OF: EXISTING SPRINKLER BRANCH PIPING, FITTINGS, HEADS, ETC., AND INSTALLATION OF NEW RISER CHECK VALVE ASSEMBLIES SUPPLYING NEW AND EXISTING SPRINKLERS THROUGHOUT THE ENTIRE BUILDING(S). SPRINKLER CONTROL ASSEMBLIES (CONTROL VALVE, TAMPER SWITCHES, FLOW SWITCHES, ETC.) SHALL BE PROVIDED IN ORDER TO MAKE SPRINKLER ZONES MORE MANAGEABLE. WORK SHALL ALSO INCLUDE THE INSTALLATION OF NEW 2 1/2" FIRE DEPARTMENT VALVES WITHIN EACH STAIRWELL ON EACH LEVEL AS REQUIRED AND/OR INDICATED. ALL DRAIN PIPING SHALL BE PIPED TO THE EXTERIOR.</p> <p>THE DESIGN OF ALL FIRE SUPPRESSION SYSTEMS WILL BE IN ACCORDANCE WITH THE 2003 IBC & IFC INCLUDING THE 2005 CT STATE BUILDING & FIRE CODE (INCLUDING AMENDMENTS), LOCAL CODE AND THE OWNER'S INSURANCE COMPANY REQUIREMENTS (FM GLOBAL). USE ONLY UL/FM APPROVED SPRINKLERS, MATERIALS AND DEVICES, UNO.</p> <p>SYSTEM PRESSURE IS SUPPLIED BY THE EXISTING STREET MAIN</p> <p>REMOVE & REPLACE ANY EXISTING SPRINKLER PIPING WHICH DOES NOT PASS THE REQUIRED HYDROSTATIC PRESSURE TEST. CONDUCT VISUAL INTERNAL INSPECTIONS ON AT LEAST 5% OF ANY EXISTING PIPING TO REMAIN.</p> <p>NO EXISTING PIPE MAY BE CUT OR DAMAGED WHEN ENCOUNTERED ALONG THE ROUTE DESIGNED FOR NEW SERVICE. ANY EXISTING PIPING SEVERED OR DAMAGED SHALL BE REPLACED INCLUDING DAMAGED AREAS AT NO ADDITIONAL COST.</p> <p>INSTALL SPRINKLERS BELOW DUCTS, AND/OR COMBINATIONS OF DUCTS/EQUIPMENT MORE THAN 4 FEET WIDE AND IN ACCORDANCE WITH THE OBSTRUCTION REQUIREMENTS OF NFPA 13.</p> <p>ANY UNUSED OUTLETS SHALL BE PROPERLY CAPPED. THE CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND SHALL VERIFY ALL CONDITIONS IN THE FIELD. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AT THE TIME OF BID, TO EXAMINE CONDITIONS AND BECOME FAMILIAR WITH THE JOB, NOTING DEGREE OF DIFFICULTY IN GETTING EQUIPMENT (INCLUDING LIFTS AND SCAFFOLDS) IN AND OUT OF THE BUILDING. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER (IN WRITING) PRIOR TO SUBMITTING A BID.</p> <p>PIPING SHOWN ON DRAWINGS IS DIAGRAMMATIC, AND INDICATES A GENERAL ARRANGEMENT OF WORK. PROVIDE ANY ADDITIONAL PIPING, SPRINKLERS, MATERIALS, LABOR, ENGINEERING OR COMPONENTS REQUIRED FOR A COMPLETE CODE COMPLIANT FIRE PROTECTION SYSTEM AT NO EXTRA COST. THESE SPRINKLER HEADS ARE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. IF THERE ARE ANY DISCREPANCIES, PLEASE REVIEW THEM WITH THE ARCHITECT BEFORE PROCEEDING WITH WORK.</p> <p>REFER TO ADDITIONAL NOTES ON ARCHITECTURAL DRAWINGS</p> <p>THE CONTRACTOR SHALL COORDINATE ALL PIPING WITH ALL OTHER TRADES AND STRUCTURES. THE CONTRACTOR SHALL SEAL AROUND ALL NEW PIPE PENETRATIONS THROUGHOUT THE BUILDING WITH SEALANT OF FIRE RETARDANT TYPE EQUAL IN FIRE RATING TO THE STRUCTURE BEING PENETRATED. SEALANT SHALL BE AN UL LISTED ASSEMBLY.</p> <p>ARRANGE PIPING TO FACILITATE FLUSHING. PROVIDE READILY ACCESSIBLE DRAIN AND FLUSHING CONNECTIONS AS REQUIRED BY NFPA 13. PROVIDE AND INSTALL AUXILIARY DRAINS WITH PROVISIONS FOR COMPLETE DRAINAGE PIPE ALL DRAINS TO AN APPROVED LOCATION. FITCH ALL DRY PIPING IN ACCORDANCE WITH NFPA 13, 2002 EDITION.</p> <p>PROVIDE MAKES AND MODELS OF ALL DEVICES AND MATERIALS ON ALL SHOP DRAWINGS. ALL SYSTEM COMPONENTS SHALL BE CAPABLE OF WITHSTANDING A MINIMUM WORKING PRESSURE OF 175 PSI.</p> <p>SUPPORT SPRINKLER PIPING IN A SUBSTANTIAL MANNER FROM BUILDING STRUCTURE, AND INDEPENDENT OF THE CEILING SYSTEM. PROVIDE EARTHQUAKE/SEISMIC BRACING IN ACCORDANCE WITH NFPA 13 AND THE LOCAL CODE. DO NOT USE SPRINKLER PIPING OR HANGERS TO SUPPORT NON-SYSTEM COMPONENTS.</p> <p>INSPECTOR'S TEST CONNECTIONS, DRAIN VALVES AND CONTROL VALVES SHALL BE READILY ACCESSIBLE AND INSTALLED NOT OVER 4'-7" ABOVE THE FINISHED FLOOR. PROVIDE ALL VALVES WITH IDENTIFICATION SIGNS. SUPERVISORY SWITCHES SHALL BE ON ALL CONTROL VALVES.</p> <p>DO NOT SCALE DRAWINGS FOR DIMENSIONS NOT INDICATED. REFER TO ARCHITECT FOR RESOLUTION FOR ANY DIMENSIONS NOT INDICATED.</p> <p>PROVIDE A HEAD GUARD ON SPRINKLERS IN AREAS SUBJECT TO MECHANICAL DAMAGE (I.E. SPRINKLERS IN: MECHANICAL ROOMS, ETC.)</p> <p>CONTRACTOR SHALL SECURE AND PAY COSTS OF PERMITS, CERTIFICATES, LICENSES, INSPECTIONS AND APPROVALS.</p> <p>ALL DRAIN DRY PIPING AND PIPING SUBJECT TO ALTERNATE WETTING AND DRYING (I.E. FIRE DEPARTMENT CONNECTION) SHALL BE GALVANIZED. ALL DRAIN PIPING SHALL BE ROUTED TO THE EXTERIOR WITH SPLASH BLOCK.</p> <p>SIMILAR SERVICES PRIOR TO DEMOLITION.</p> <p>CONTRACTOR SHALL FIRE SEAL ALL EXISTING PENETRATIONS IN AREAS THAT ARE TO REMAIN OR AFFECTED BY THE RENOVATIONS. VERIFY THE EXTENT IN THE FIELD.</p>	<p>DESIGN CRITERIA:</p> <p>1. THE WATER SERVICE SHALL BE CONNECTED TO A NEW SPRINKLER STANDPIPE FIRE MAIN. THE FIRE PROTECTION CONTRACTOR SHALL CONDUCT A CURRENT FLOW TEST (LESS THAN 1 YEARS OLD) FOR USE IN THE HYDRAULIC CALCULATIONS AND DOCUMENT THE RESULTS. USE THE FOLLOWING FOR BID:</p> <p>DATE: 2001 STATIC: 140 PSI RESIDUAL: 120 PSI FLOW: 1450 GPM</p> <p>DATE: DECEMBER 1, 2009 STATIC: 145 PSI RESIDUAL: 140 PSI FLOW: 1229 GPM</p> <p>2. SPRINKLER SYSTEMS SHALL BE HYDRAULICALLY CALCULATED BASED ON THE FOLLOWING CRITERIA: INCLUDE ANY/ALL FIRE MARSHAL, FM GLOBAL AND DPW COMMENTS.</p> <p>LIGHT HAZARD AREAS: SEMINAR ROOMS, OFFICES, STUDIOS, KITCHENS, CAFETERIAS, LIBRARIES, AND COMMON AREAS: MINIMUM DENSITY OF 0.10 GPM/SQ.FT. OVER THE MOST REMOTE 1500 SQ.FT. PLUS 250 GPM FOR HOSE DEMAND. MAXIMUM COVERAGE PER SPRINKLER HEAD IS 196 SQ.FT.</p> <p>MECHANICAL EQUIPMENT ROOMS: TELEPHONE ROOMS, SCIENCE CLASSROOM LABS, ETC. MINIMUM DENSITY OF 0.15 GPM/SQ.FT. OVER THE MOST REMOTE 2500 SQ.FT. PLUS 250 GPM FOR HOSE DEMAND. MAXIMUM COVERAGE PER SPRINKLER HEAD IS 130 SQ.FT.</p> <p>ELEVATOR MACHINE ROOMS: MINIMUM DENSITY OF 0.25 GPM/SQ.FT. OVER THE MOST REMOTE 4000 SQ.FT. PLUS 500 GPM FOR HOSE DEMAND. UTILIZE 212° F SPRINKLERS</p> <p>ORDINARY HAZARD (GROUP II) AREAS: STORAGE ROOMS, LIBRARY STACK AREAS, SHOP AREAS, ETC. MINIMUM DENSITY OF 0.20 GPM/SQ.FT. OVER THE MOST REMOTE 2000 SQ.FT. PLUS 250 GPM FOR HOSE DEMAND. MAXIMUM COVERAGE PER SPRINKLER HEAD IS 130 SQ.FT. SPRINKLERS SHALL HAVE A "K" FACTOR OF 8.0.</p> <p>AUTOMOTIVE BODY SHOP/PAINT SPRAYING AREAS: MINIMUM DENSITY OF 0.30 GPM/SQ.FT. OVER THE MOST REMOTE 3000 SQ.FT. PLUS 500 GPM FOR HOSE DEMAND. MAXIMUM COVERAGE PER SPRINKLER HEAD IS 130 SQ.FT. SPRINKLERS SHALL HAVE A 280° F TEMPERATURE RATING.</p> <p>PAINT BOOTH, MINI-PAINT BOOTH, PREP STATION, PAINT MIXING BOOTH AND EXHAUST DUCTS: SPRINKLERS SHALL HAVE A 165° F TEMPERATURE RATING.</p> <p>3. CONTRACTOR SHALL SUBMIT CALCULATIONS FOR ALL SPRINKLER AND STANDPIPE SYSTEMS, INCLUDING ALL HAZARD AREAS (I.E. WET, DRY, LIGHT HAZARD, ORDINARY HAZARD, ETC.)</p> <p>4. THE CONTRACTOR SHALL PROVIDE SPRINKLER COVERAGE OF ALL SPACES FORMED OF CONCEALED COMBUSTIBLE CONSTRUCTION.</p> <p>5. THE CONTRACTOR SHALL COMPLY WITH THE OWNERS INSURANCE INSTALLATION DETAILS, DESIGN CRITERIA, AND PLAN APPROVAL SUBMISSION (INCLUDING COMMENTS). ANY DEVIATIONS AS A RESULT OF THE OWNERS INSURANCE COMPANIES REQUIREMENTS SHALL BE PROVIDED AT NO ADDITIONAL COST.</p> <p>6. ALL HYDRAULIC CALCULATIONS SHALL INCLUDE A MINIMUM "CUSHION" (GAP) OF 10 PSI BETWEEN REQUIRED AND AVAILABLE WATER SUPPLY.</p> <p>7. AREA OF SPRINKLER OPERATION SELECTED FOR HYDRAULIC CALCULATION SHALL BE MOST DEMANDING. ALL SPRINKLERS IN REMOTE AREA MUST OPERATE, INCLUDING "SMALL ROOMS AND CLOSETS".</p> <p>8. FOR AREAS HAVING UNSPRINKLERED COMBUSTIBLE CONCEALED SPACES (AS DESCRIBED IN NFPA 13, 2002) THE MINIMUM AREA OF SPRINKLER PROTECTION SHALL BE 3000 SQ.FT.</p> <p>9. IF ROLLED GROOVED PIPING IS USED, ADDITIONAL PRESSURE LOSS IN COUPLINGS AND FITTINGS, DUE TO REDUCED CROSS SECTION AT GROOVES, SHALL BE REFLECTED IN HYDRAULIC CALCULATIONS.</p> <p>10. IN EACH SYSTEM CALCULATION, TOTAL SPRINKLER DEMAND SHALL BE BROUGHT BACK TO THE FIRE SERVICE CONNECTION AT THE WATER MAIN. RESULTS OF EACH CALCULATION SHALL BE PLOTTED ON N (1.85) GRAPH, ALONG WITH WATER SUPPLY INFORMATION.</p> <p>11. HYDRAULIC SUMMARY DATA SHALL BE INCLUDED ON SHOP DRAWINGS, INCLUDING PSI & GPM REQUIRED AND PSI & GPM AVAILABLE.</p> <p>12. USE OF LINE SPACING OFF WALL IN EXCESS OF 7"-6", REDUCTION OF HYDRAULIC REMOTE AREA, ETC (AS NOTED IN NFPA 13) IS NOT PERMITTED.</p> <p>13. CONTRACTOR TO SUBMIT UNIT COST PER SPRINKLER HEAD INSTALLED AND OPERATIONAL WITH BID IN ACCORDANCE WITH THE GENERAL CONDITIONS (INCLUDING: PIPING, FITTINGS, HANGERS, SPRINKLER HEAD, LABOR, ETC.).</p> <p>14. NO HANGERS ARE TO BE PLACED OFF OF THE DECK. ALL HANGERS, CLAMPS ETC. SHALL BE ATTACHED TO STRUCTURAL MEMBERS. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL STRUCTURAL SUPPORTS AS REQUIRED.</p> <p>COMMON FM GLOBAL NOTES:</p> <p>THE FM GLOBAL CUSTOMER SERVICE DESK AT 888-606-4570 SHOULD BE NOTIFIED WHEN ANY AUTOMATIC SPRINKLER CONTROL VALVE IS SHUT, NO MATTER WHAT THE DURATION IS. THE FM GLOBAL RED TAG PERMIT SYSTEM SHOULD ALSO BE USED BY FIRE PROTECTION INSTALLATION PERSONNEL DURING ALL VALVE CLOSURES, WHICH IMPAIR EXISTING FIRE PROTECTION</p> <p>ALL DRAWINGS, SPECIFICATIONS, EQUIPMENT, ETC. SHALL BE SUBMITTED AND REVIEWED BY FM GLOBAL PRIOR TO INSTALLATION. CONTRACTOR SHALL INCORPORATE ALL COMMENTS INTO PROJECT AT NO ADDITIONAL COST</p> <p>THE CONTRACTOR SHALL OBTAIN AND DOCUMENT NEW WATERFLOW DATA FOR SHOP DRAWING SUBMISSION/INSTALLATION AND SUBMIT RESULTS IN WRITING. WATERFLOW TEST SHALL BE LESS THEN 1 YEAR OLD. NOTIFY THE FM GLOBAL CUSTOMER SERVICE DESK AT LEAST TWO WEEKS IN ADVANCE OF THE TEST.</p> <p>ALL FIRE PROTECTION EQUIPMENT SHALL BE FM APPROVED AND UL LISTED. EQUIPMENT SHALL CONFORM TO THE CORRESPONDING FM GLOBAL DATA SHEETS</p>

FIRE PROTECTION ZONE SCHEDULE				
RCVA	SCA#	ZONE #	FLOOR	DESCRIPTION
1		3	1ST	WET SPRINKLERS
2	SCA	1	1ST	WET SPRINKLERS
2	SCA	2	1ST	WET SPRINKLERS
2	SCA	7A	2ND	WET SPRINKLERS
2	SCA	7B	2ND	WET SPRINKLERS
2	FDV'S	STAIR-A1A2A4A5	1ST & 2ND	WET STANDPIPES
3		4	1ST	WET SYSTEM
4	SCA	5	1ST	WET SPRINKLERS
4	SCA	8	2ND	WET SPRINKLERS
4	FDV'S	STAIR-B1	1ST & 2ND	WET STANDPIPES
5		6	1ST	WET SYSTEM

THE DRAWINGS AND SPECIFICATIONS ARE DIVIDED INTO SECTIONS TO MEET THE NEEDS OF THE ARCHITECT, THE ENGINEERS, AND THE DESIGN CONSULTANTS. THEY ARE NOT PREPARED AS INSTRUCTIONS TO THE CONTRACTOR FOR HOW TO BUY OUT OR SUBCONTRACT THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS, REGARDLESS OF WHERE IT IS SHOWN. FOR EXAMPLE, ELECTRICAL WORK IS SHOWN ON FP DRAWINGS AS WELL AS ON M DRAWINGS AND E DRAWINGS. MISCELLANEOUS METALS AND STRUCTURAL STEEL ARE SHOWN ON A DRAWINGS AS WELL AS ON S DRAWINGS. STRUCTURAL SUPPORTS ARE REQUIRED BY THE FP DRAWINGS. TO AVOID OMITTING ANY COMPONENT OF THE PROJECT, REFER TO ALL THE CONTRACT DOCUMENTS IN THEIR ENTIRETY

PHASING NOTES

- REFER TO PHASING DRAWINGS FOR IDENTIFICATION OF PROJECT PHASING
- THIS PROJECT CONSISTS OF MULTIPLE PHASES OF CONSTRUCTION OVER A SPECIFIED TIME PERIOD. PROVIDE ALL WORK NECESSARY TO KEEP EXISTING SYSTEMS IN SAFE OPERATION. PROVIDE ISOLATION (SHUTOFF) VALVES AT ALL CONNECTION POINTS TO EXISTING SYSTEMS.
- PRIOR TO THE DISCONNECTION AND REMOVAL OR RELOCATION OF ANY SYSTEM OR SUBSYSTEM, CONTRACTOR SHALL REVIEW AND VERIFY AREAS SERVED BY THE RESPECTIVE SYSTEM TO DETERMINE IF OTHER PARTS OF AREAS TO REMAIN OR TO BE CONSTRUCTED AT DIFFERENT PHASES SHALL NOT BE COMPROMISED. THE INTEGRITY OF THE SYSTEM AND AREA SHALL BE MAINTAINED THROUGHOUT AND AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL VERIFY THAT EXISTING EQUIPMENT IS IN PROPER WORKING ORDER PRIOR TO REMOVAL, RELOCATION OR REUSE. CONTRACTOR SHALL SUBMIT ANY DEFICIENCIES NOTED TO CONSTRUCTION MANAGER. OTHERWISE IT IS ASSUMED THAT ALL EQUIPMENT TO BE REUSED IS IN COMPLETE WORKING ORDER AND NO CLAIMS FOR REPAIR AFTER REUSE OR REINSTALLATION WILL BE ACCEPTED.

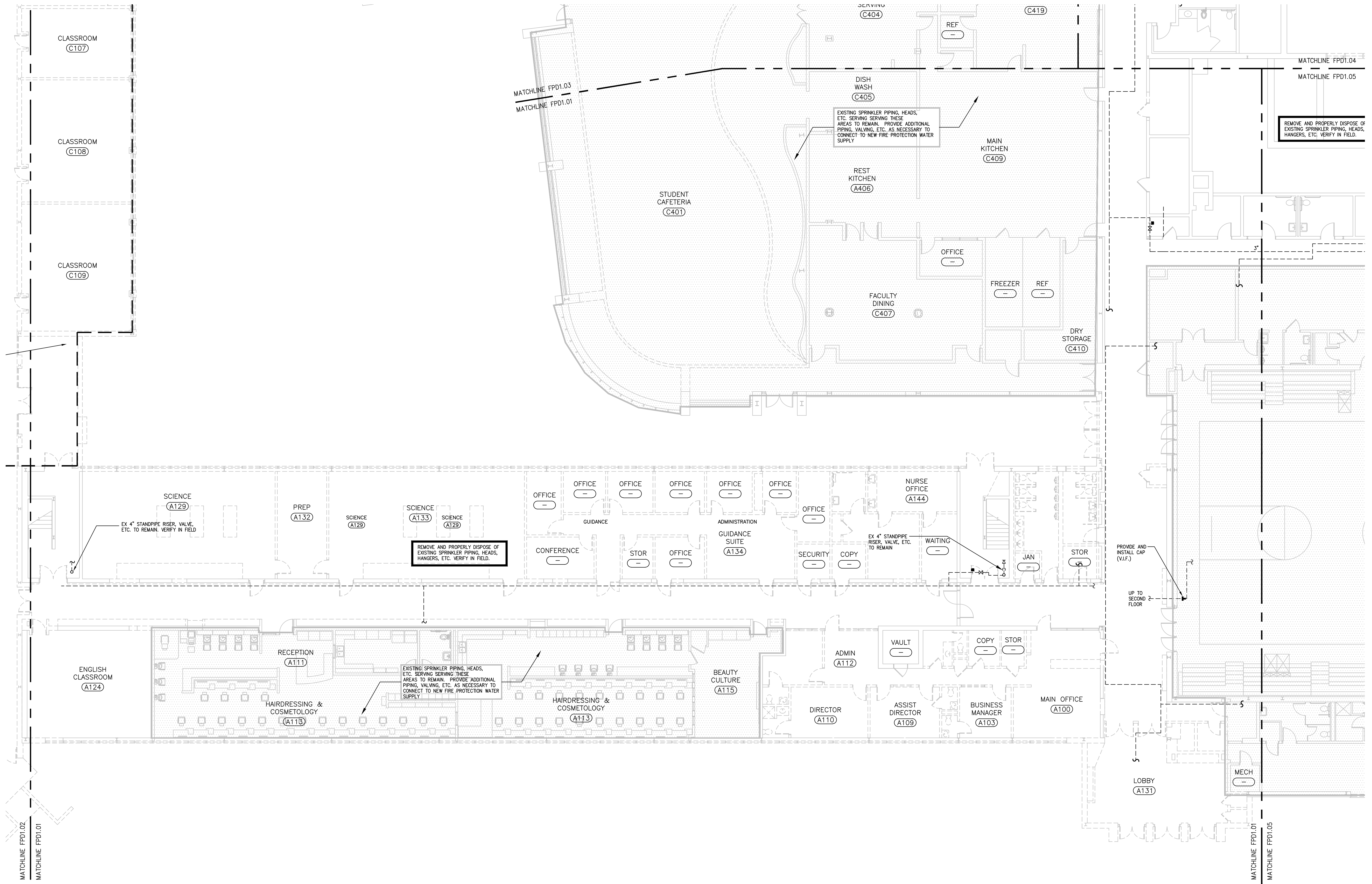
SYMBOLS AND ABBREVIATIONS	
SYMBOL	DESCRIPTION
⊙	EXISTING SPRINKLER HEAD
⊗	EXISTING SPRINKLER HEAD TO BE REMOVED
⊙	NEW CONCEALED PENDENT SPRINKLER HEAD
⊙	NEW EXPOSED UPRIGHT SPRINKLER HEAD
----	EXISTING SPRINKLER PIPING
⊗ ⊗ ⊗	EXISTING SPRINKLER PIPING TO BE REMOVED (V.I.F.)
----	NEW SPRINKLER PIPING
----	TEMPORARY SPRINKLER SUPPLY MAIN
⊖	ELBOW UP OR DOWN
⊖	PIPING / RISER UP
⊖	BOTTOM TAP
⊖	TOP TAP
⊖	CONTROL VALVE WITH TAMPER SWITCH
⊖	CHECK VALVE
AFF	ABOVE FINISHED FLOOR
UNO	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
⊗	CONNECT TO EXISTING AT THIS POINT
DETAIL NUMBER	DETAIL DESIGNATION SYMBOL

FIRE PROTECTION DRAWING LIST	
DRAWING NUMBER	DRAWING DESCRIPTION
FP0.00	NOTES AND SYMBOLS - FIRE PROTECTION
FPD1.01	FIRST FLOOR DEMOLITION PLAN AREA "A" & "C" - FIRE PROTECTION
FPD1.02	FIRST FLOOR DEMOLITION PLAN AREA "A" - FIRE PROTECTION
FPD1.03	FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - FIRE PROTECTION
FPD1.04	FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - FIRE PROTECTION
FPD1.05	FIRST FLOOR DEMOLITION PLAN AREA "C" - FIRE PROTECTION
FPD1.06	FIRST FLOOR DEMOLITION PLAN AREA "D" - FIRE PROTECTION
FPD1.07	SECOND FLOOR DEMOLITION PLAN AREA "A" & "C" - FIRE PROTECTION
FPD1.08	SECOND FLOOR DEMOLITION PLAN AREA "A" - FIRE PROTECTION
FPD1.09	SECOND FLOOR DEMOLITION PLAN AREA "B" & "C" - FIRE PROTECTION
FP1.01	FIRST FLOOR PLAN AREA "A" & "C" - FIRE PROTECTION
FP1.02	FIRST FLOOR PLAN AREA "A" - FIRE PROTECTION
FP1.03	FIRST FLOOR PLAN AREA "B" & "C" - FIRE PROTECTION
FP1.04	FIRST FLOOR PLAN AREA "B" & "C" - FIRE PROTECTION
FP1.05	FIRST FLOOR PLAN AREA "C" - FIRE PROTECTION
FP1.06	FIRST FLOOR PLAN AREA "D" - FIRE PROTECTION
FP1.07	SECOND FLOOR PLAN AREA "A" & "C" - FIRE PROTECTION
FP1.08	SECOND FLOOR PLAN AREA "A" - FIRE PROTECTION
FP1.09	SECOND FLOOR PLAN AREA "B" & "C" - FIRE PROTECTION
FP1.10	SECOND FLOOR PLAN AREA "C" - FIRE PROTECTION
FP2.00	RISER DIAGRAM - FIRE PROTECTION
FP3.00	DETAILS - FIRE PROTECTION

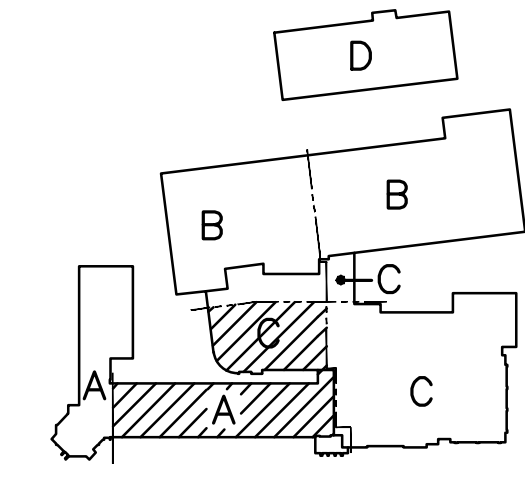
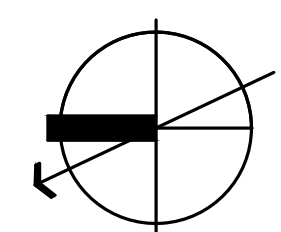
SPRINKLER HEAD SCHEDULE											
SYMBOL	TYPE	STYLE	RESPONSE	COVERAGE	COLOR	DISCHARGE COEFFICIENT (K)	ORIFICE	TEMPERATURE	MANUFACTURER		REMARKS
									MODEL	SIN	
⊙	PENDENT	CONCEALED	QUICK	STANDARD	WHITE	5.6 K	1/2"	155 F°	V38	VCTAULIC V3802	
⊙	UPRIGHT	EXPOSED	QUICK	STANDARD	BRASS PLATED	5.6 K	1/2"	155 F°	V27	VCTAULIC V2704	
◄	SIDEWALL	EXPOSED	QUICK	STANDARD	BRASS PLATED	5.6 K	1/2"	155 F°	V27	VCTAULIC V2704	
◄	DRY SIDEWALL	EXPOSED	QUICK	STANDARD	BRASS PLATED	5.6 K	1/2"	155 F°	V27	VCTAULIC V2704	



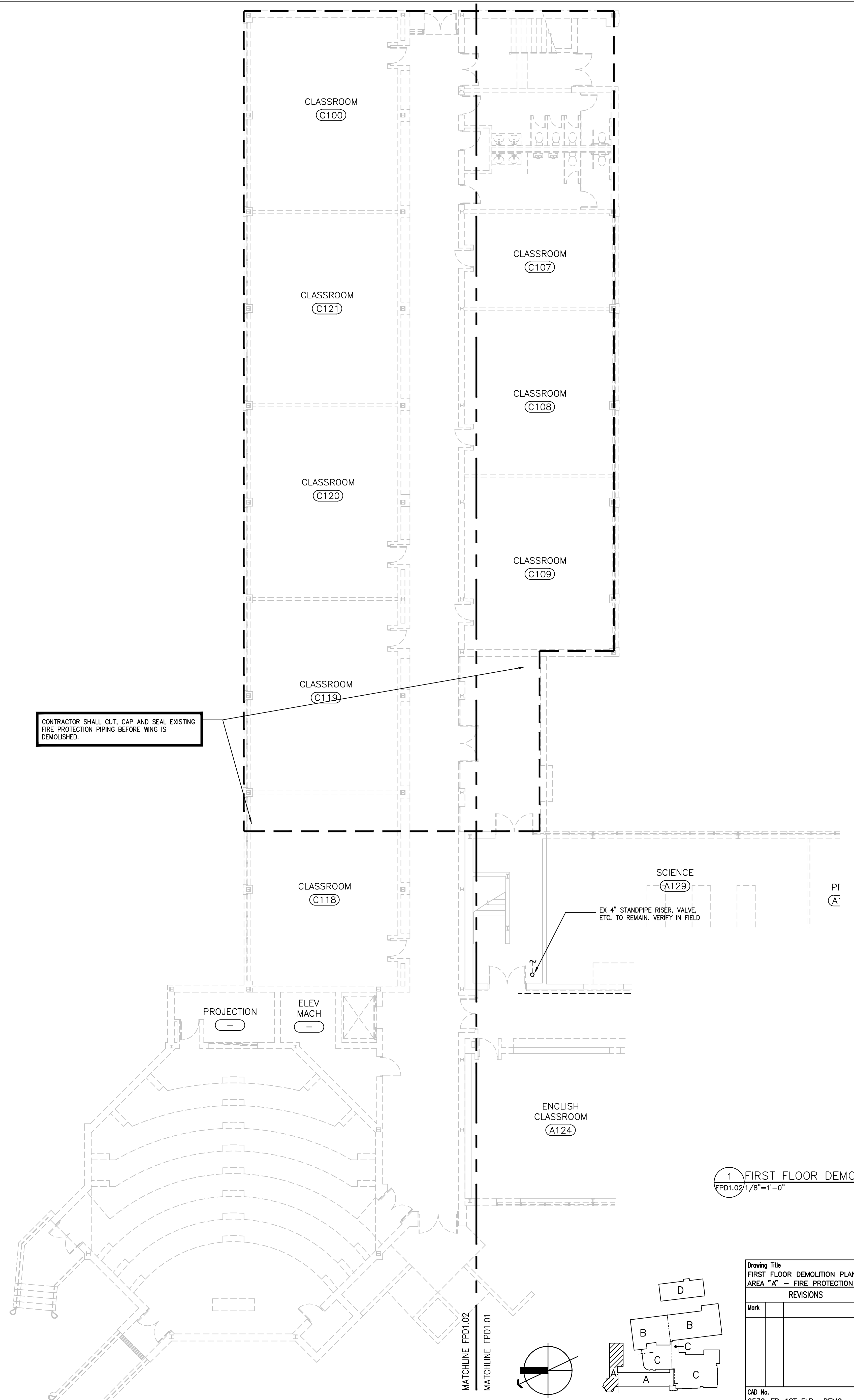
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REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011
Δ	REVISED: 09/09/2011	Project H.C. Wilcox Technical High School Meriden, CT	Scale AS NOTED
		Approved By JK	Drawn By KCS
		Project No. B-RT-843	Approved By JK
			Drawing No. FP0.00
CAD No. 0532-FP-NOTES			



1 FIRST FLOOR DEMOLITION PLAN - AREA "A" & "C"
 FPD1.01/1/8"=1'-0"

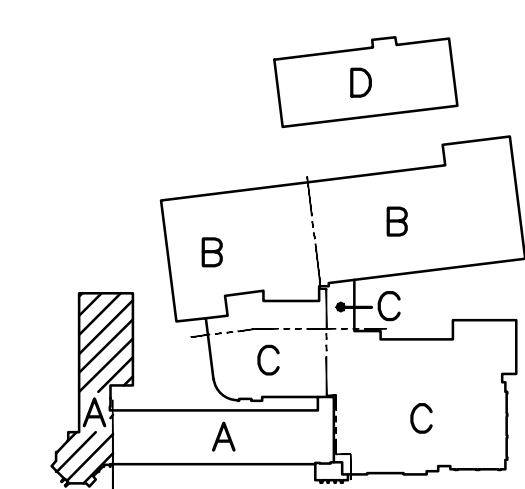


Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "A" & "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By JKS Approved By JK Drawing No. FPD1.01
CAD No.	0532-FP-1ST FLR -DEMO	Project No.	BI-RT-843



1 FIRST FLOOR DEMOLITION PLAN - AREA "A"
 FPD1.02 1/8"=1'-0"

Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "A" - FIRE PROTECTION			
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By JK Approved By JK Drawing No.
CAD No. 0532-FP-1ST FLR -DEMO		Project No. BI-RT-843	FPD1.02



MATCHLINE FPD1.02
 MATCHLINE FPD1.01



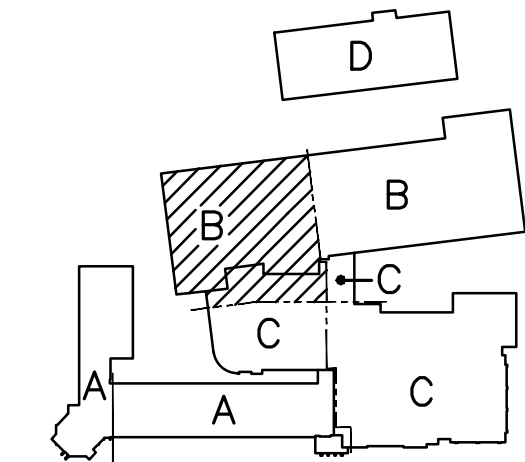
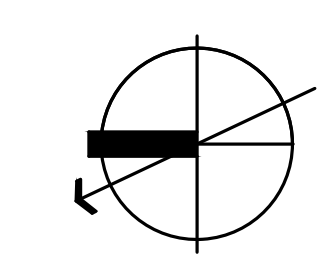
REMOVE AND PROPERLY DISPOSE OF EXISTING SPRINKLER PIPING, HEADS, HANGERS, ETC. VERIFY IN FIELD.

EXISTING SPRINKLER SYSTEM TO REMAIN COMPLETELY ACTIVE DURING DEMOLITION PHASE. EXISTING SPRINKLERS, PIPING, ETC. IN RENOVATED AREAS TO THEN BE REMOVED AND PROPERLY DISPOSED OF AS NECESSARY TO ACCOMMODATE ARCHITECTURAL RENOVATIONS. PROVIDE TEMPORARY FIRE PROTECTION MAIN, VALVING FROM NEW FIRE PROTECTION WATER SERVICE ROOM AS REQUIRED TO KEEP SYSTEM "ACTIVE". CONTRACTOR TO LIMIT TIME SPRINKLER SYSTEM IS DOWN AND NOTIFY PROPER AUTHORITIES EACH AND EVERY TIME.

EXISTING SPRINKLER PIPING, HEADS, ETC. SERVING THESE AREAS TO REMAIN. PROVIDE ADDITIONAL PIPING, VALVING, ETC. AS NECESSARY TO CONNECT TO NEW FIRE PROTECTION WATER SUPPLY.

REMOVE AND PROPERLY DISPOSE OF EXISTING SPRINKLER PIPING, HEADS, HANGERS, ETC. VERIFY IN FIELD.

1 FIRST FLOOR DEMOLITION PLAN - AREA "B" & "C"
 FPD1.03 1/8"=1'-0"



Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By JKS Approved By JJK Drawing No. FPD1.03
CAD No.	0532-FP-1ST FLR -DEMO	Project No.	BI-RT-843



EXISTING FIRE PROTECTION WATER SUPPLY, RISER CHECK VALVE ASSEMBLY, FIRE DEPARTMENT CONNECTION, ETC. TO BE REMOVED AND PROPERLY DISPOSED OF. CAP ANY/ALL UNUSED OUTLETS IN ACCORDANCE WITH STATE FIRE MARSHAL REQUIREMENTS

EXISTING SPRINKLER SYSTEM TO REMAIN COMPLETELY ACTIVE DURING DEMOLITION PHASE. EXISTING SPRINKLERS, PIPING, ETC. IN RENOVATED AREAS TO THEN BE REMOVED AND PROPERLY DISPOSED OF AS NECESSARY TO ACCOMMODATE ARCHITECTURAL RENOVATIONS. PROVIDE TEMPORARY FIRE PROTECTION MAIN, VALVING FROM NEW FIRE PROTECTION WATER SERVICE ROOM AS REQUIRED TO KEEP SYSTEM "ACTIVE". CONTRACTOR TO LIMIT TIME SPRINKLER SYSTEM IS DOWN AND NOTIFY PROPER AUTHORITIES EACH AND EVERY TIME.

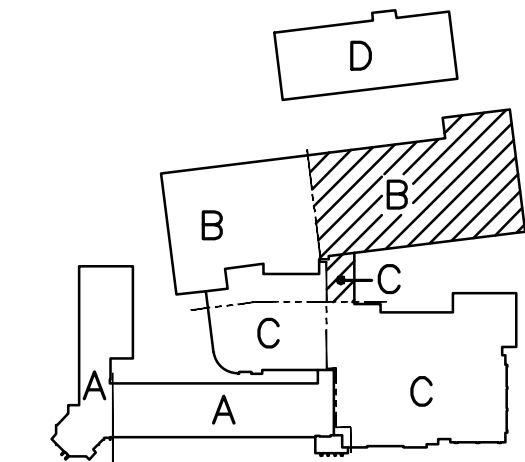
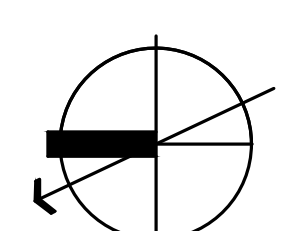
REMOVE AND PROPERLY DISPOSE OF EXISTING SPRINKLER PIPING, HEADS, HANGERS, ETC. VERIFY IN FIELD.

REMOVE AND PROPERLY DISPOSE OF EXISTING SPRINKLER PIPING, HEADS, HANGERS, ETC. VERIFY IN FIELD.

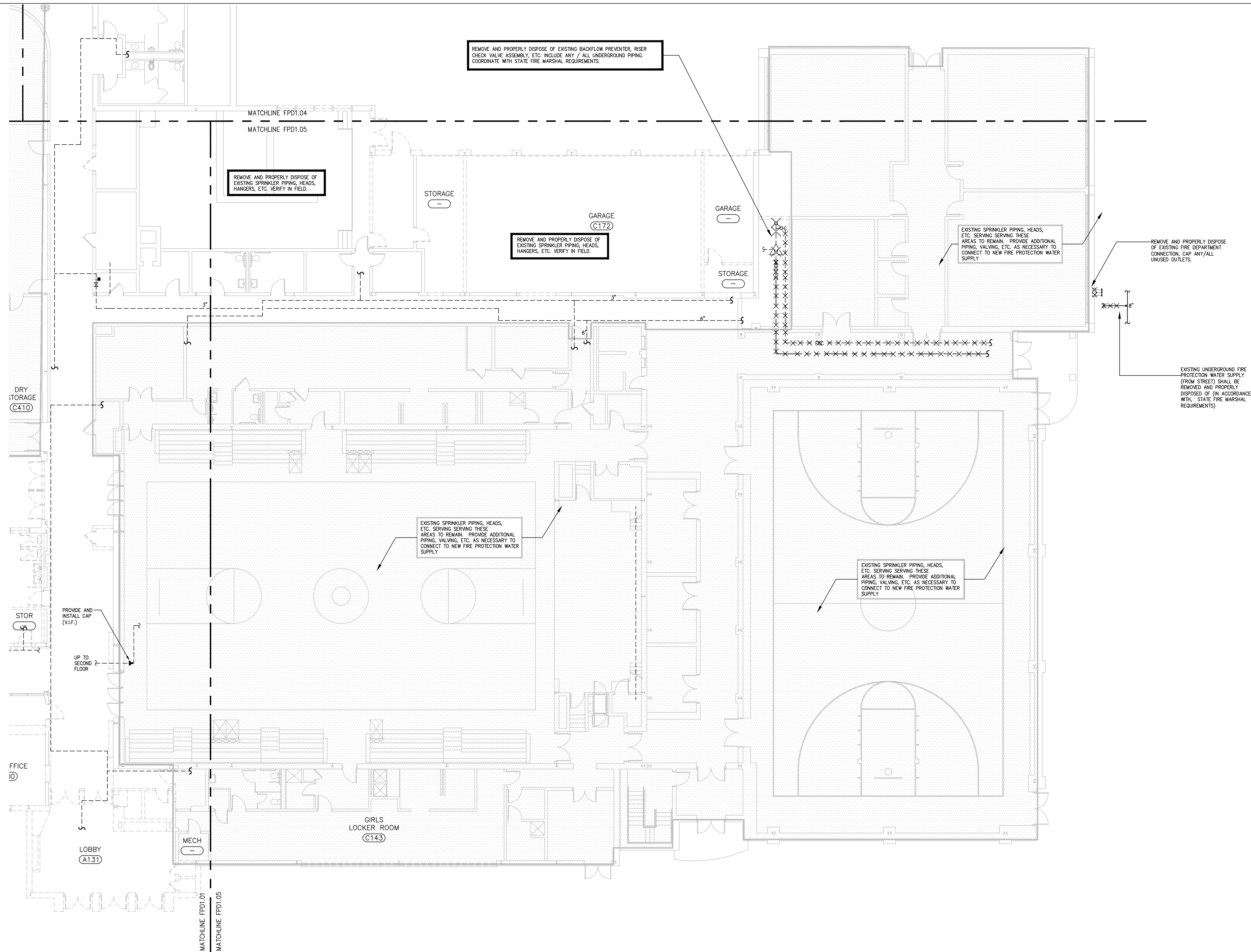
REMOVE AND PROPERLY DISPOSE OF EXISTING SPRINKLER PIPING, HEADS, HANGERS, ETC. VERIFY IN FIELD.

SPRINKLER PIPING, HEADS, AND SERVING THESE TO REMAIN. PROVIDE ADDITIONAL VALVING, ETC. AS NECESSARY TO TO NEW FIRE PROTECTION WATER.

1 FIRST FLOOR DEMOLITION PLAN -- AREA "B" & "C"
FPD1.04 1/8"=1'-0"

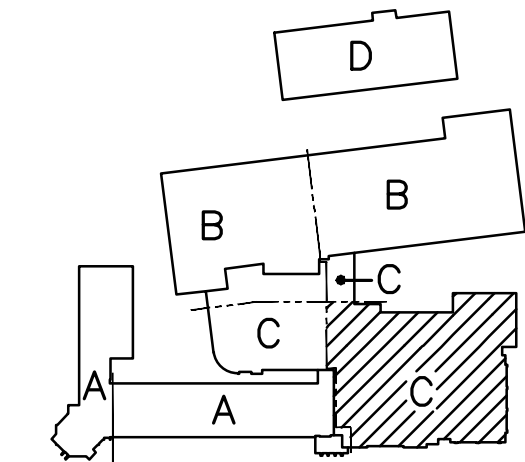
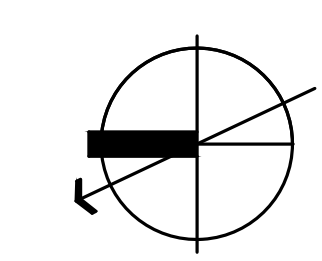


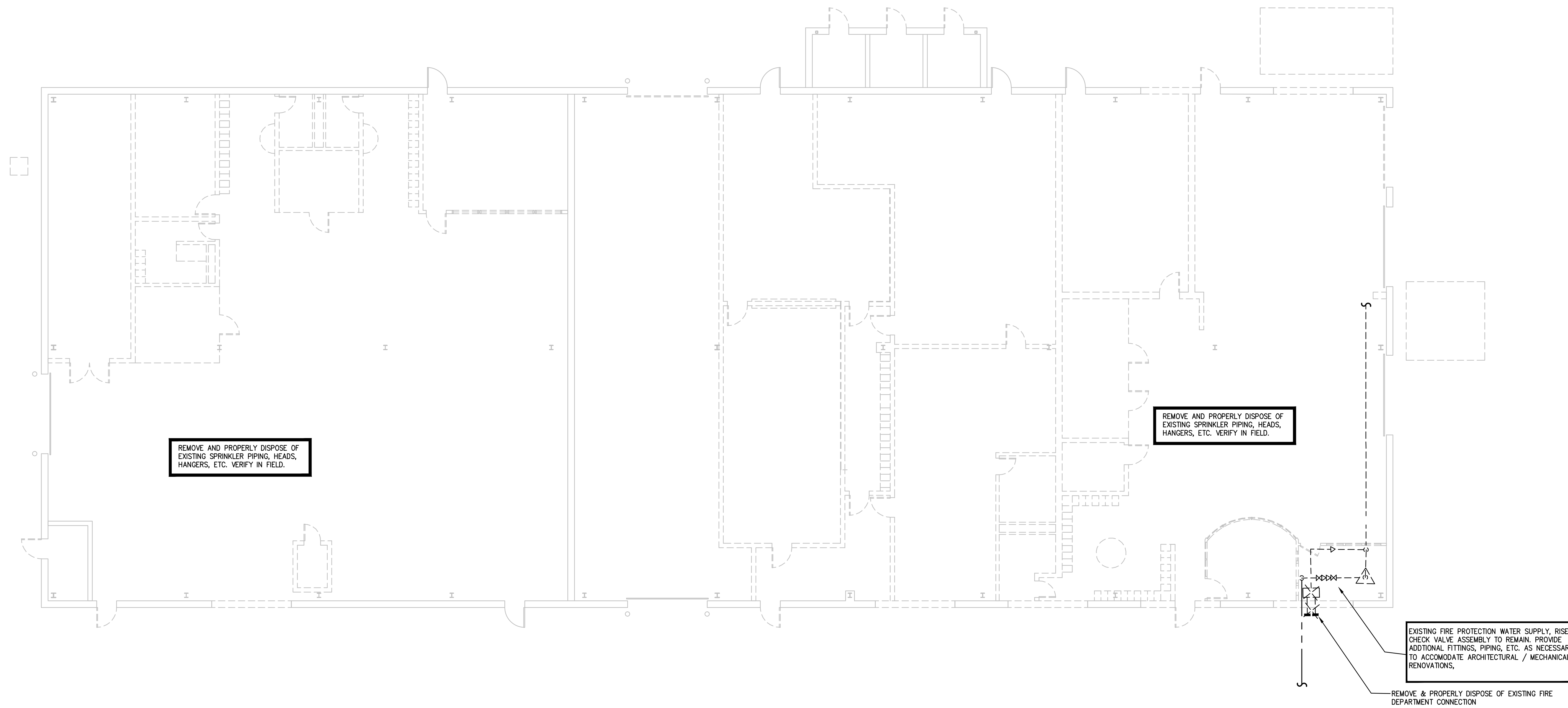
Drawing Title FIRST FLOOR DEMOLITION PLAN AREA "B" & "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011 Scale: 1/8"=1'-0"	
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By JKS Approved By JJK Drawing No. FPD1.04	
CAD No. 0532-FP-1ST FLR -DEMO		Project No. BI-RT-843	



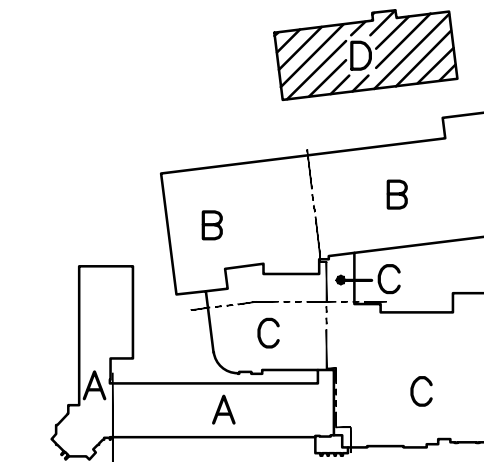
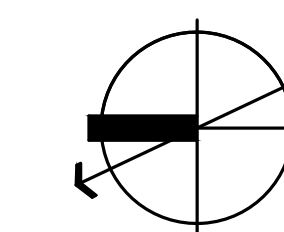
1 FIRST FLOOR DEMOLITION PLAN - AREA "C"
 FPD1.09 1/8"=1'-0"

Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "C" - FIRE PROTECTION			
REVISIONS			
Mark			
		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By JK Approved By JK Drawing No. FPD1.05
		CAD No. 0532-FP-1ST FLR -DEMO	Project No. BI-RT-843

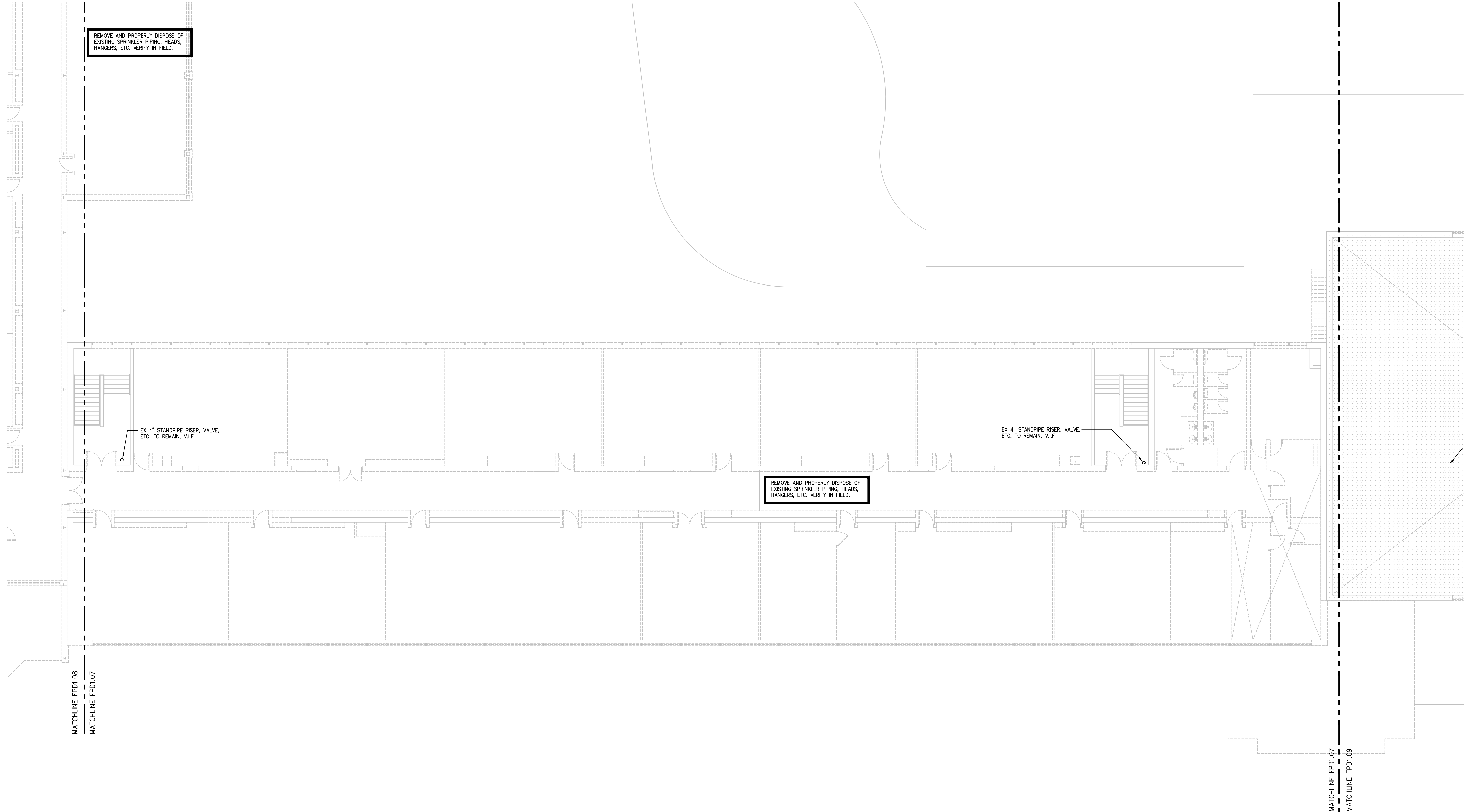




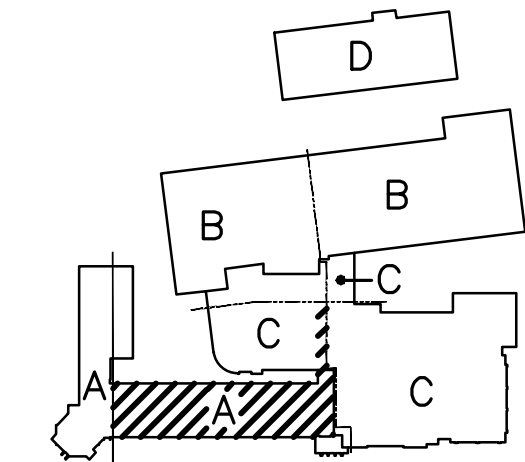
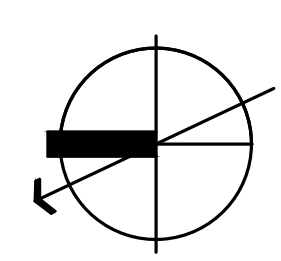
1 FIRST FLOOR DEMOLITION PLAN - AREA "D"
 FPD1.06 1/8"=1'-0"



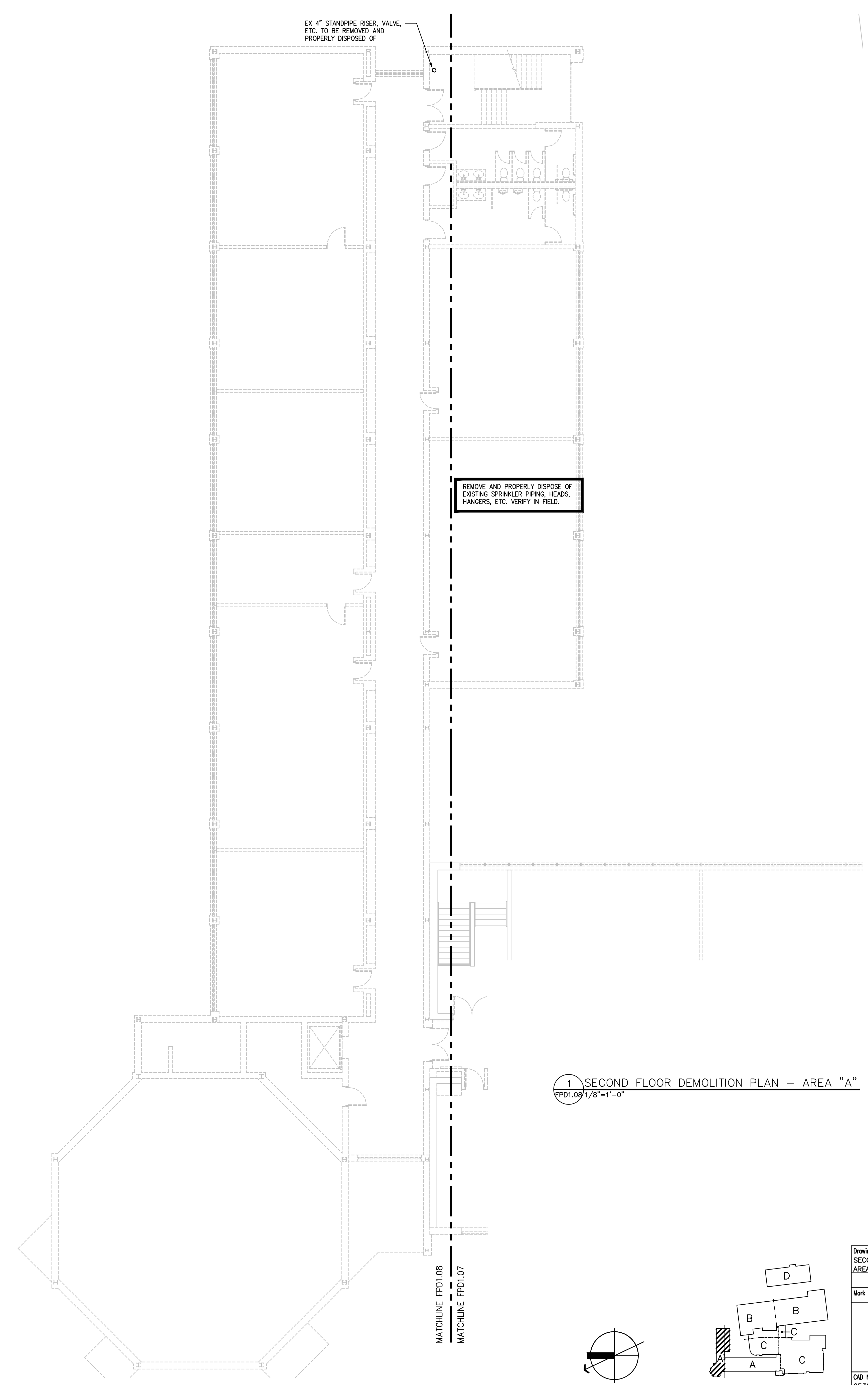
Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR DEMOLITION PLAN AREA "D" - FIRE PROTECTION			
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By JK	Approved By JK
CAD No. 0532-FP-1ST FLR -DEMO		Project No. BI-RT-843	Drawing No. FPD1.06



1 SECOND FLOOR DEMOLITION PLAN - AREA "A" & "C"
 FPD1.07/1/8"=1'-0"



Drawing Title SECOND FLOOR DEMOLITION PLAN AREA "A" & "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By JKS Approved By JJK Drawing No. FPD1.07
CAD No. 0532-FP-2ND FLR -DEMO		Project No. BI-RT-843	

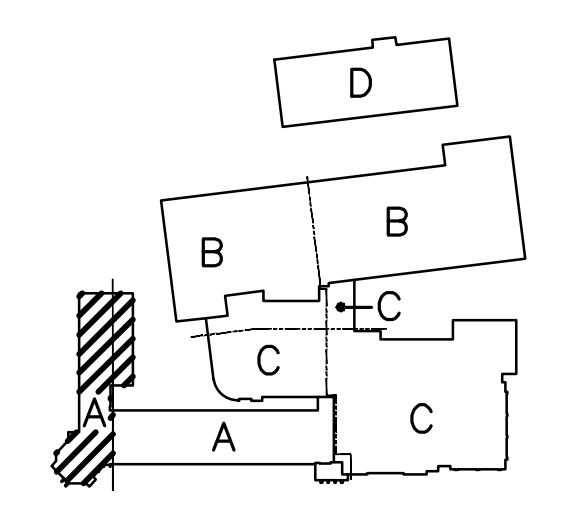
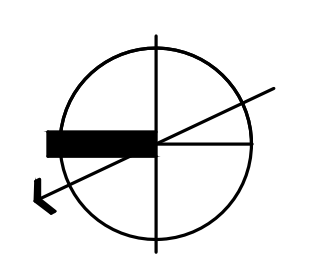


EX 4" STANDPIPE RISER, VALVE, ETC. TO BE REMOVED AND PROPERLY DISPOSED OF

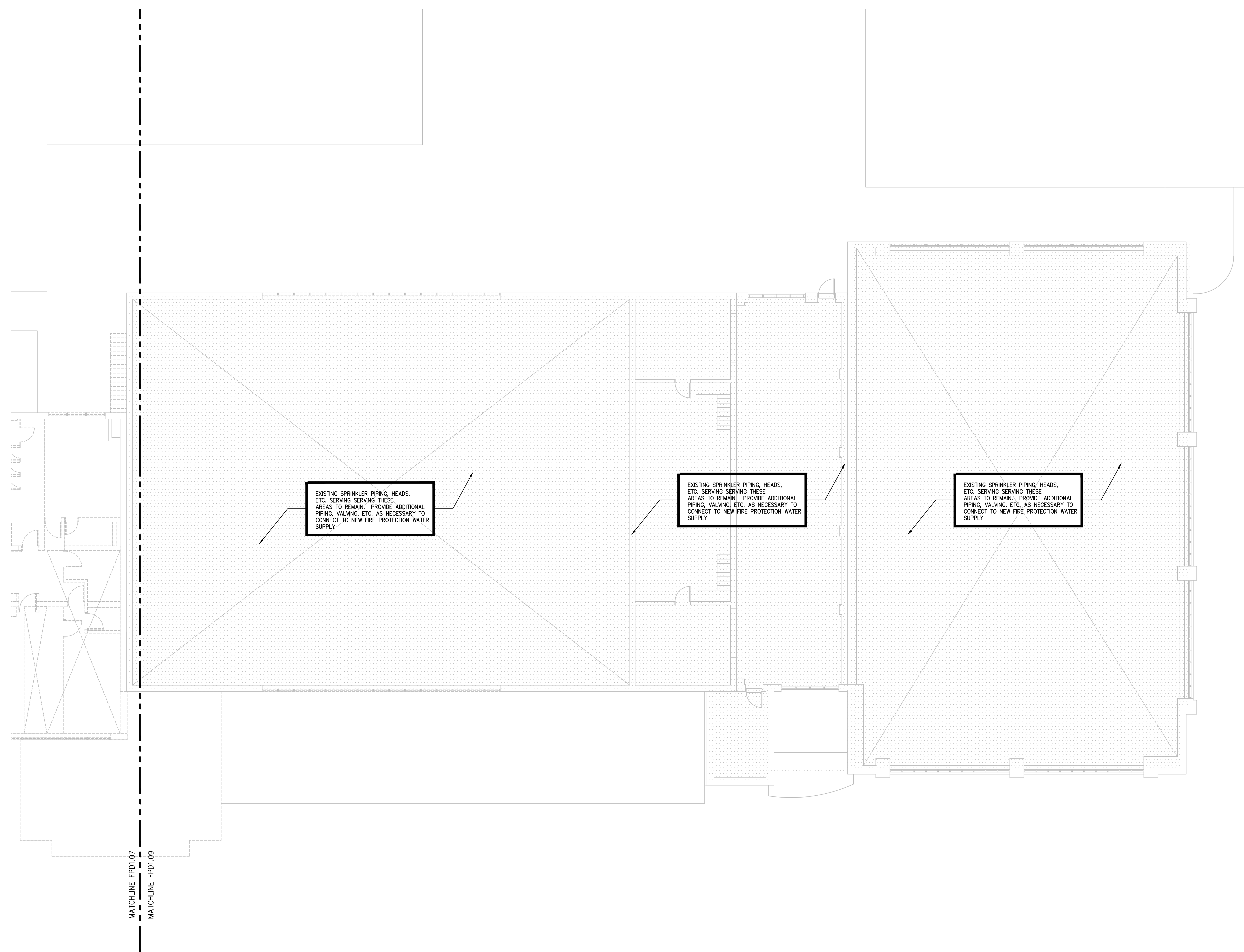
REMOVE AND PROPERLY DISPOSE OF EXISTING SPRINKLER PIPING, HEADS, HANGERS, ETC. VERIFY IN FIELD.

1 SECOND FLOOR DEMOLITION PLAN - AREA "A"
 FPD1.08/1/8"=1'-0"

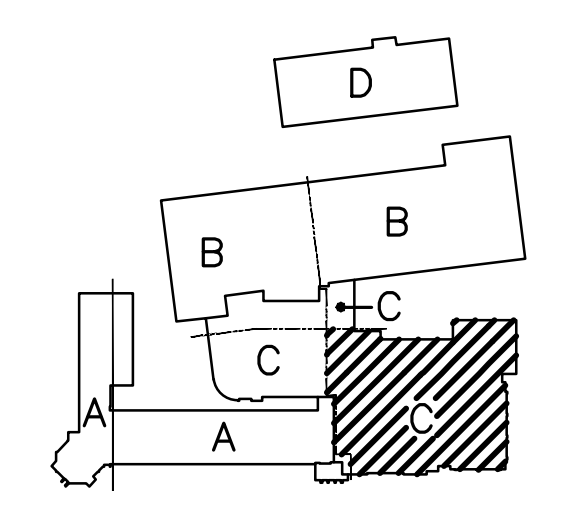
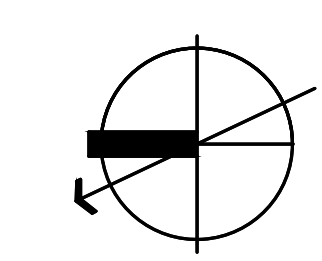
MATCHLINE FPD1.08
 MATCHLINE FPD1.07



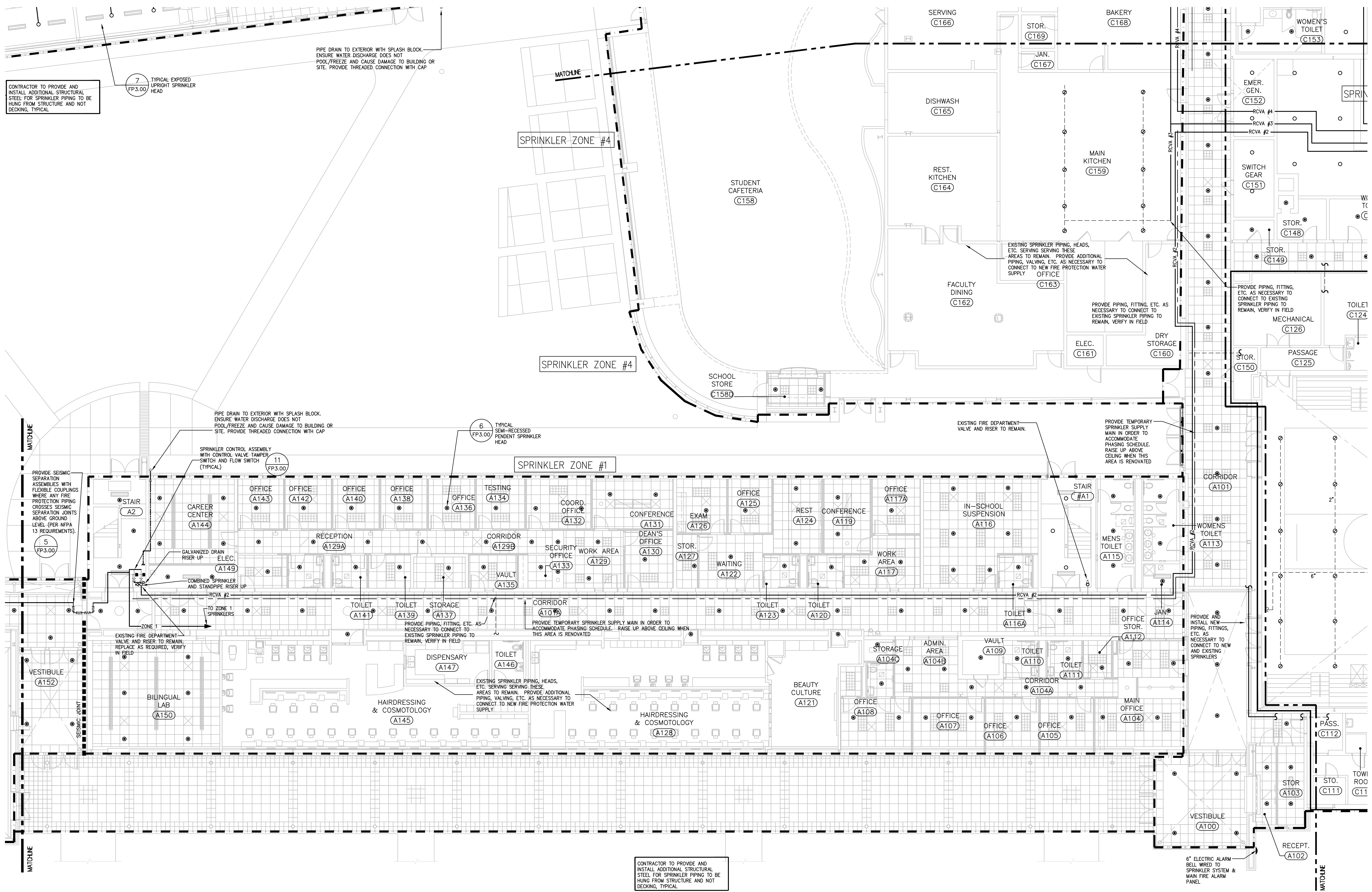
Drawing Title SECOND FLOOR DEMOLITION PLAN AREA "A" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By JK Approved By JK Drawing No. FPD1.08
CAD No. 0532-FP-2ND FLR -DEMO		Project No. BI-RT-843	



1 SECOND FLOOR DEMOLITION PLAN - AREA "B" & "C"
 FPD1.09 1/8"=1'-0"



Drawing Title SECOND FLOOR DEMOLITION PLAN AREA "B" & "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By JKC Approved By JKC Drawing No. FPD1.09
CAD No. 0532-FP-2ND FLR -DEMO		Project No. BI-RT-843	



CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL.

7 TYPICAL EXPOSED UPRIGHT SPRINKLER HEAD
FP.3.00

PIPE DRAIN TO EXTERIOR WITH SPLASH BLOCK. ENSURE WATER DISCHARGE DOES NOT POOL/FREEZE AND CAUSE DAMAGE TO BUILDING OR SITE. PROVIDE THREADED CONNECTION WITH CAP.

6 TYPICAL SEMI-RECESSED PENDENT SPRINKLER HEAD
FP.3.00

SPRINKLER CONTROL ASSEMBLY WITH CONTROL VALVE, TAMPER SWITCH AND FLOW SWITCH (TYPICAL)
11 FP.3.00

5 PROVIDE SEISMIC SEPARATION ASSEMBLIES WITH FLEXIBLE COUPLINGS WHERE ANY FIRE PROTECTION PIPING CROSSES SEISMIC SEPARATION JOINTS ABOVE GROUND LEVEL (PER NFPA 13 REQUIREMENTS).
FP.3.00

EXISTING FIRE DEPARTMENT VALVE AND RISER TO REMAIN. REPLACE AS REQUIRED, VERIFY IN FIELD.

PROVIDE PIPING, FITTING, ETC. AS NECESSARY TO CONNECT TO EXISTING SPRINKLER PIPING TO REMAIN, VERIFY IN FIELD.

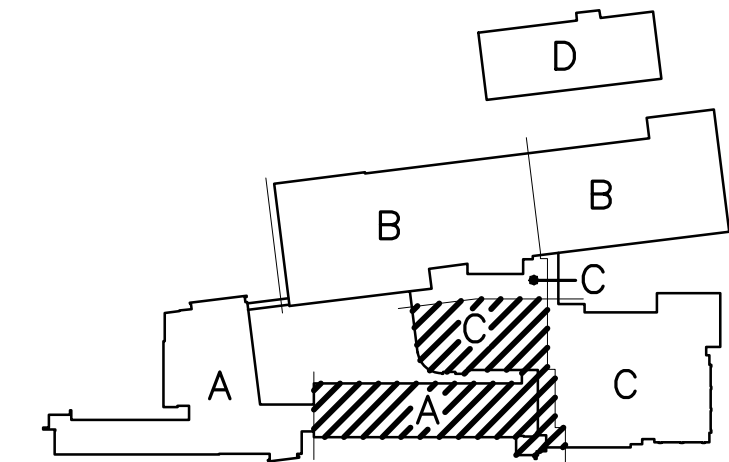
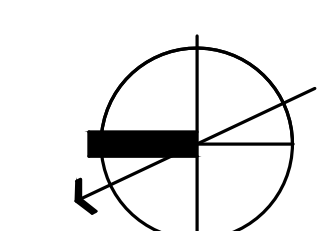
PROVIDE TEMPORARY SPRINKLER SUPPLY MAIN IN ORDER TO ACCOMMODATE PHASING SCHEDULE. RAISE UP ABOVE CEILING WHEN THIS AREA IS RENOVATED.

EXISTING SPRINKLER PIPING, HEADS, ETC. SERVING THESE AREAS TO REMAIN. PROVIDE ADDITIONAL PIPING, VALVING, ETC. AS NECESSARY TO CONNECT TO NEW FIRE PROTECTION WATER SUPPLY.

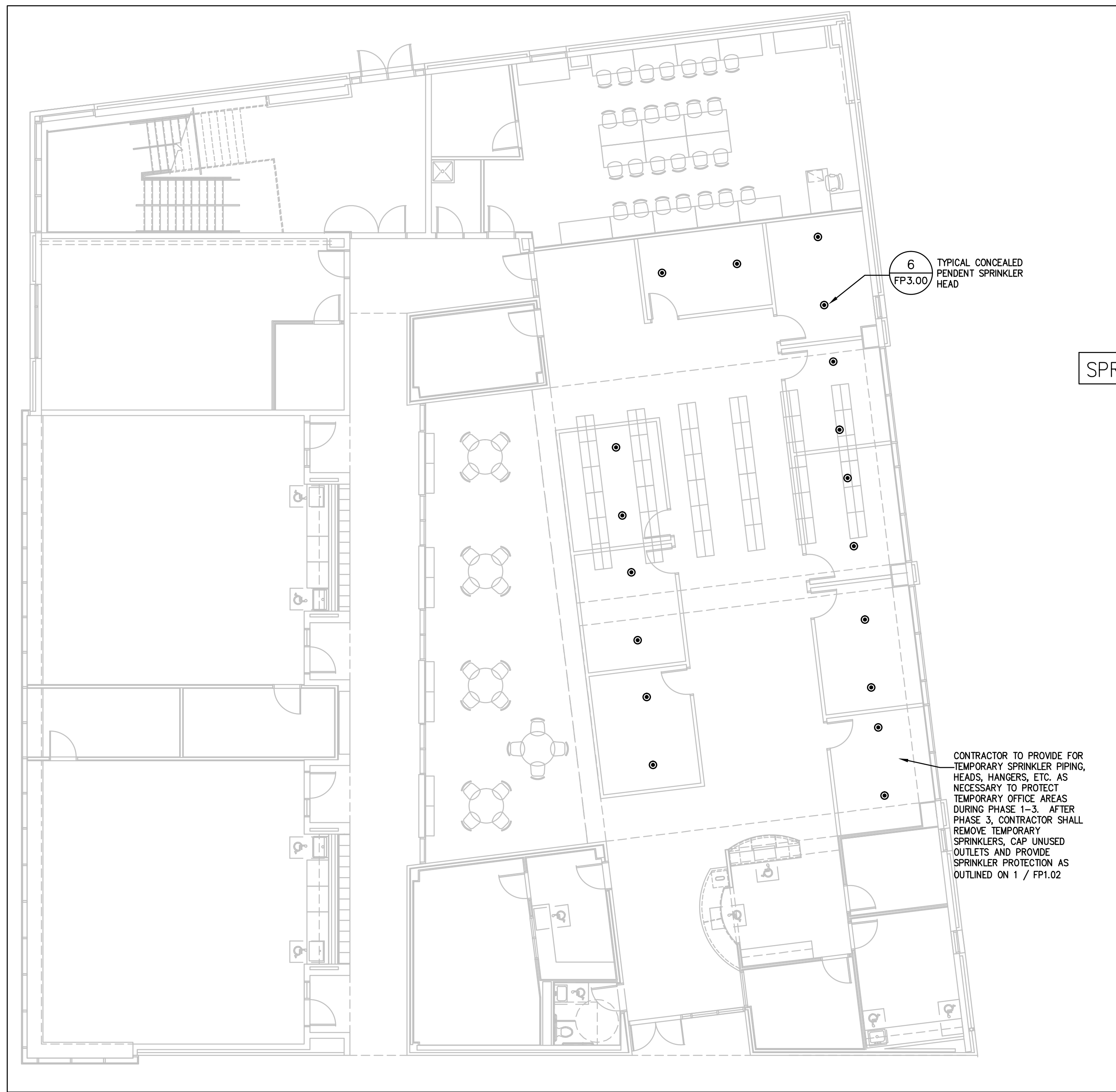
CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL.

PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS.

1 FIRST FLOOR PLAN - AREA "A" & "C"
FP.1.01/1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN AREA "A" & "C" - FIRE PROTECTION		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By MB Approved By KC Drawing No. FP1.01
CAD No. 0532-FP-1ST FLR -NEW		Project No. BI-RT-843	



2 ADMIN PART PLAN - AREA "A"
FP1.02/SCALE: 1/8"=1'-0"



1 FIRST FLOOR PLAN - AREA "A"
FP1.02/1/8"=1'-0"

SPRINKLER ZONE #2

SPRINKLER ZONE #2

6 TYPICAL CONCEALED PENDENT SPRINKLER HEAD
FP3.00

CONTRACTOR TO PROVIDE FOR TEMPORARY SPRINKLER PIPING, HEADS, HANGERS, ETC. AS NECESSARY TO PROTECT TEMPORARY OFFICE AREAS DURING PHASE 1-3. AFTER PHASE 3, CONTRACTOR SHALL REMOVE TEMPORARY SPRINKLERS, CAP UNUSED OUTLETS AND PROVIDE SPRINKLER PROTECTION AS OUTLINED ON 1 / FP1.02

10 TYPICAL 2 1/2" FIRE DEPARTMENT VALVE
FP3.00

6 TYPICAL CONCEALED PENDENT SPRINKLER HEAD
FP3.00

CONTRACTOR TO PROVIDE FOR TEMPORARY SPRINKLER PIPING, HEADS, HANGERS, ETC. AS NECESSARY TO PROTECT TEMPORARY OFFICE AREAS DURING PHASE 1-3. REFER TO 2/FP1.02

13 TYPICAL SPRINKLER IN CEILING GRID
FP3.00

5 PROVIDE SEISMIC SEPARATION ASSEMBLIES WITH FLEXIBLE COUPLINGS WHERE ANY FIRE PROTECTION PIPING CROSSES SEISMIC SEPARATION JOINTS ABOVE GROUND LEVEL (PER NFPA 13 REQUIREMENTS).
FP3.00

PROVIDE SEISMIC SEPARATION ASSEMBLIES WITH FLEXIBLE COUPLINGS WHERE ANY FIRE PROTECTION PIPING CROSSES SEISMIC SEPARATION JOINTS ABOVE GROUND LEVEL (PER NFPA 13 REQUIREMENTS).

5 TYPICAL SPRINKLER IN CEILING GRID
FP3.00

PROVIDE CLOSELY SPACED SPRINKLERS 6'-0" O.C., 6"-12" FROM 18" DEEP DRAFT STOP, SUPPLIED FROM SPRINKLER ZONE SERVING THIS AREA. WATER DEMAND SHALL BE 3 GPM/ LINEAL FT IN ACCORDANCE WITH NFPA 13, 2002. PROVIDE BAFFLES AS REQUIRED.

CEILING OPEN TO ABOVE, REFER TO FP1.08 FOR SPRINKLER HEAD LAYOUT FOR THIS AREA

PROVIDE EXPOSED UPRIGHT SPRINKLER HEAD WITH HEAD GUARD IN SPACE ABOVE THE PARTITION STORAGE

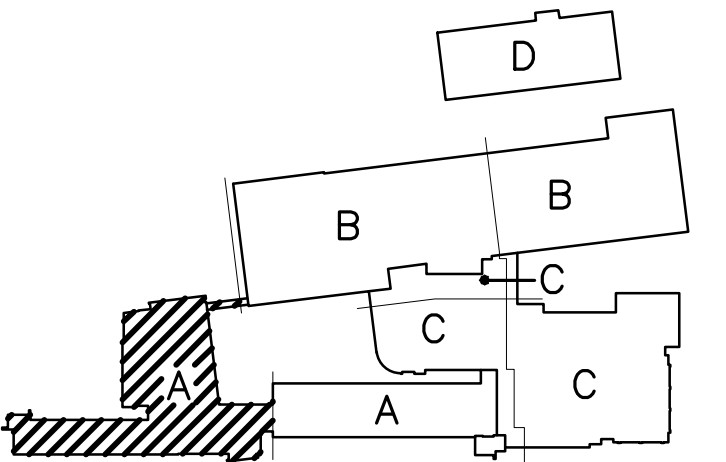
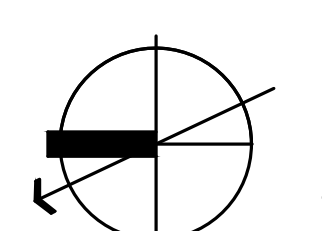
1 1/4" CONTROL VALVE WITH TAMPER SWITCH TO SIDEWALL SPRINKLER AT BOTTOM OF ELEVATOR SHAFT AND IN ELEVATOR MACHINE ROOM (MAX. 7'-0" AFF)

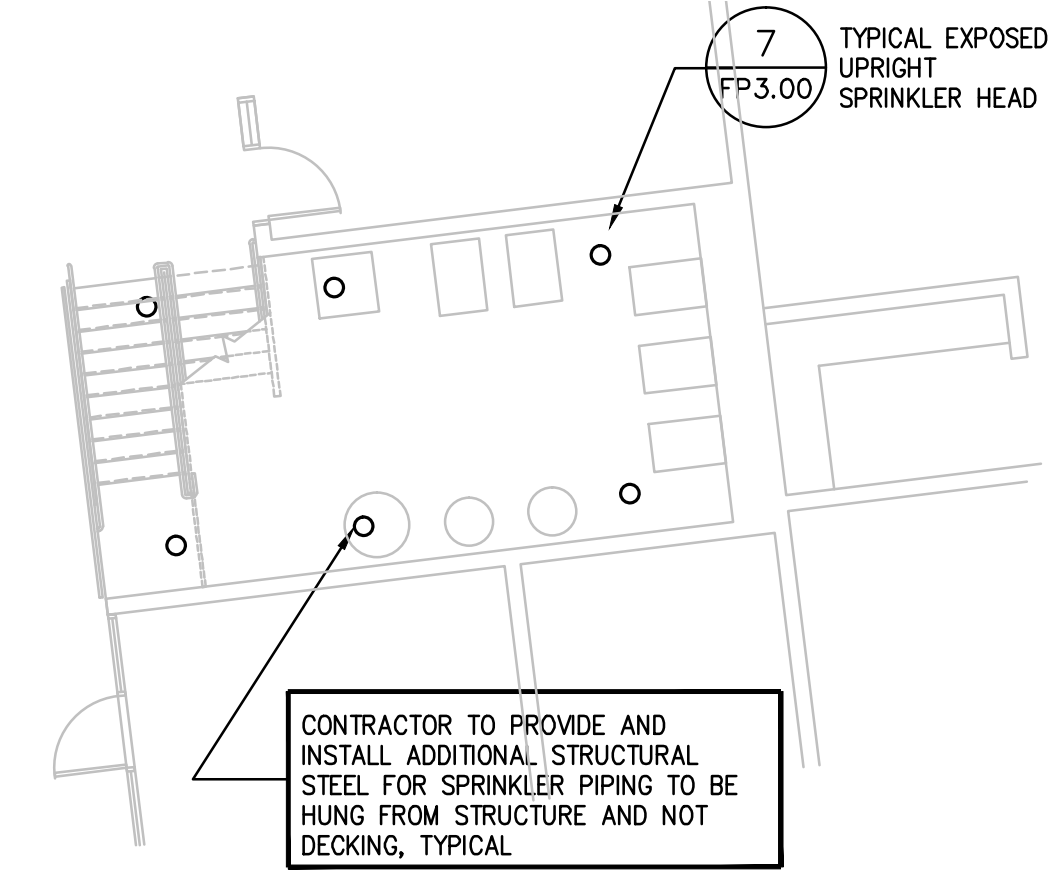
PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS

CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO HANG FROM STRUCTURE AND NOT DECKING, TYPICAL

Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN AREA "A" - FIRE PROTECTION		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	Description	Date	By

Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR
CAD No. 0532-FP-1ST FLR -NEW	Project No. BI-RT-843 Drawing No. FP1.02





2 FIRST FLOOR PLAN - MEZZANINE
FP1.03 1/8"=1'-0"



1 FIRST FLOOR PLAN - AREA "B" & "C"
FP1.03 1/8"=1'-0"



1 FIRST FLOOR PLAN - AREA "B" & "C"
FP1.03 1/8"=1'-0"

PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS

CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL

PROVIDE SEISMIC SEPARATION ASSEMBLIES WITH FLEXIBLE COUPLINGS WHERE ANY FIRE PROTECTION PIPING CROSSES SEISMIC SEPARATION JOINTS ABOVE GROUND LEVEL (PER NFPA 13 REQUIREMENTS).

CONTRACTOR TO PROVIDE TEMPORARY SPRINKLER PROTECTION INCLUDING SPRINKLER HEADS, PIPING, HANGERS, ETC. AS NECESSARY TO PROTECT CORRIDOR

PROVIDE SPRINKLERS, PIPING, FITTINGS, HANGERS, ETC. AS NECESSARY TO PROTECT MEZZANINE AREA

PROVIDE TEMPORARY SPRINKLER SUPPLY MAIN IN ORDER TO ACCOMMODATE PHASING SCHEDULE. RAISE UP ABOVE CEILING WHEN THIS AREA IS RENOVATED

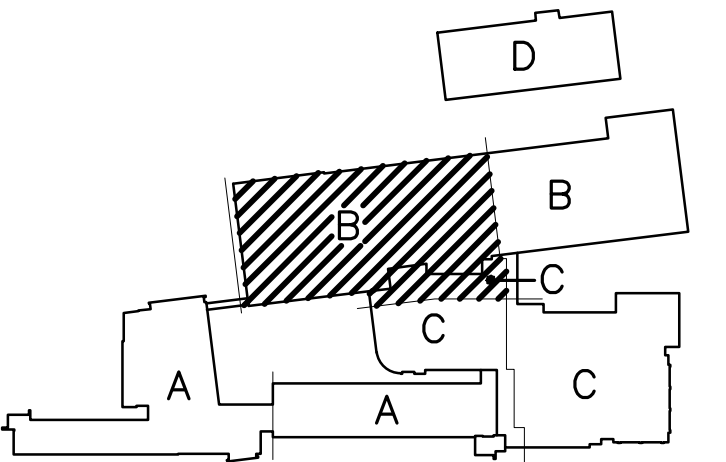
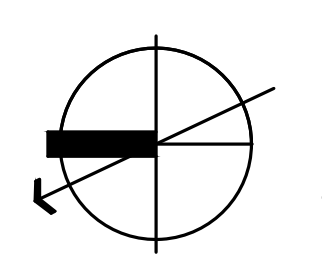
EXISTING SPRINKLER PIPING, HEADS, ETC. SERVING THESE AREAS TO REMAIN. PROVIDE ADDITIONAL PIPING, VALVING, ETC. AS NECESSARY TO CONNECT TO NEW FIRE PROTECTION WATER SUPPLY

PROVIDE PIPING, FITTING, ETC. AS NECESSARY TO CONNECT TO EXISTING SPRINKLER PIPING TO REMAIN, VERIFY IN FIELD

PROVIDE PIPING, FITTING, ETC. AS NECESSARY TO CONNECT TO EXISTING SPRINKLER PIPING TO REMAIN, VERIFY IN FIELD

PIPE DRAIN TO EXTERIOR WITH SPLASH BLOCK. ENSURE WATER DISCHARGE DOES NOT POOL, FREEZE AND CAUSE DAMAGE TO BUILDING OR SITE. PROVIDE THREADED CONNECTION WITH CAP

1 FIRST FLOOR PLAN - AREA "B" & "C"
FP1.03 1/8"=1'-0"



Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PLAN AREA "B" & "C" - FIRE PROTECTION		REVISIONS	
Mark		Drawing Prepared By Tol Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No. FP1.03
CAD No. 0532-FP-1ST FLR -NEW		Project No. B1-R1-843	



CONTRACTOR SHALL PROVIDE CONCEALED PENDENT SPRINKLERS WITHIN "FINISHED" AREAS AND EXPOSED UPRIGHT / PENDENT SPRINKLERS WITH EXPOSED CEILING. CONTRACTOR TO VERIFY WITH ARCHITECT.

GALVANIZED PIPING TO DUST COLLECTOR SPRINKLERS

CONTRACTOR SHALL PROVIDE COMPLETE SPRINKLER PROTECTION WITHIN EXPOSED CEILING AREAS. PROVIDE ADDITIONAL SPRINKLER HEADS, PIPING AND STRUCTURAL SUPPORT / HANGERS AS REQUIRED.

SPRINKLER ZONE #6

CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL IN ORDER TO SUPPORT SPRINKLER PIPING, TYPICAL

PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS WITHIN SKYLIGHT AREAS (TYP.)

SPRINKLER ZONE #6

11 SPRINKLER CONTROL ASSEMBLY WITH CONTROL VALVE TAMPER SWITCH AND FLOW SWITCH (TYPICAL)

PROVIDE SPRINKLER PROTECTION WITH SEPARATE CONTROL VALVE, TAMPER SWITCH, ETC. WITHIN DUCTWORK IN "SPRAY BOOTH AREAS" IN ACCORDANCE WITH NFPA 33. SPRINKLER PROTECTION SHALL EXTEND BELOW AND INTO THE PAINT SPRAY BOOTH AND BEHIND THE FILTERS IN THE EXHAUST. OVERSPRAY PROTECTION SHOULD BE PROVIDED FOR THESE SPRINKLERS WITH THE USE OF DOUBLE WRAPPED PAPER BAGS SECURELY AFFIXED.

PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS WITHIN SKYLIGHT AREAS (TYP.)

CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL

SPRINKLER ZONE #6

PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILING AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILING

1 FIRST FLOOR PLAN - AREA "B" & "C"
FP1.04/1/8"=1'-0"

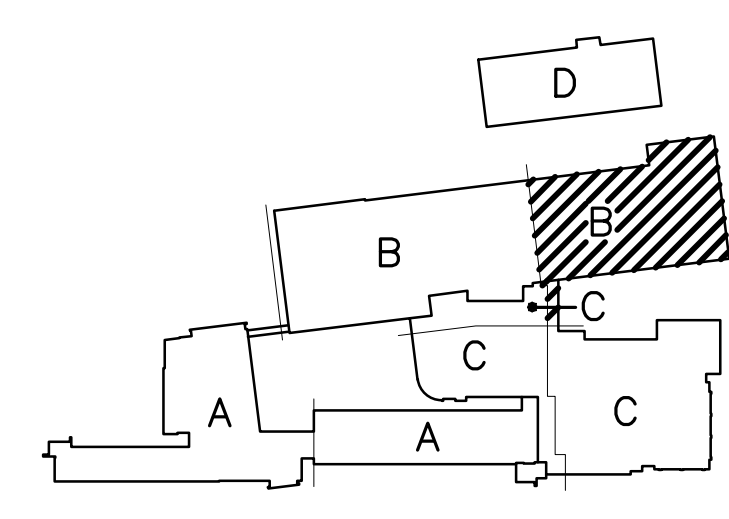
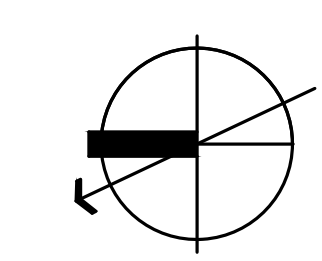
SPRINKLER ZONE #4

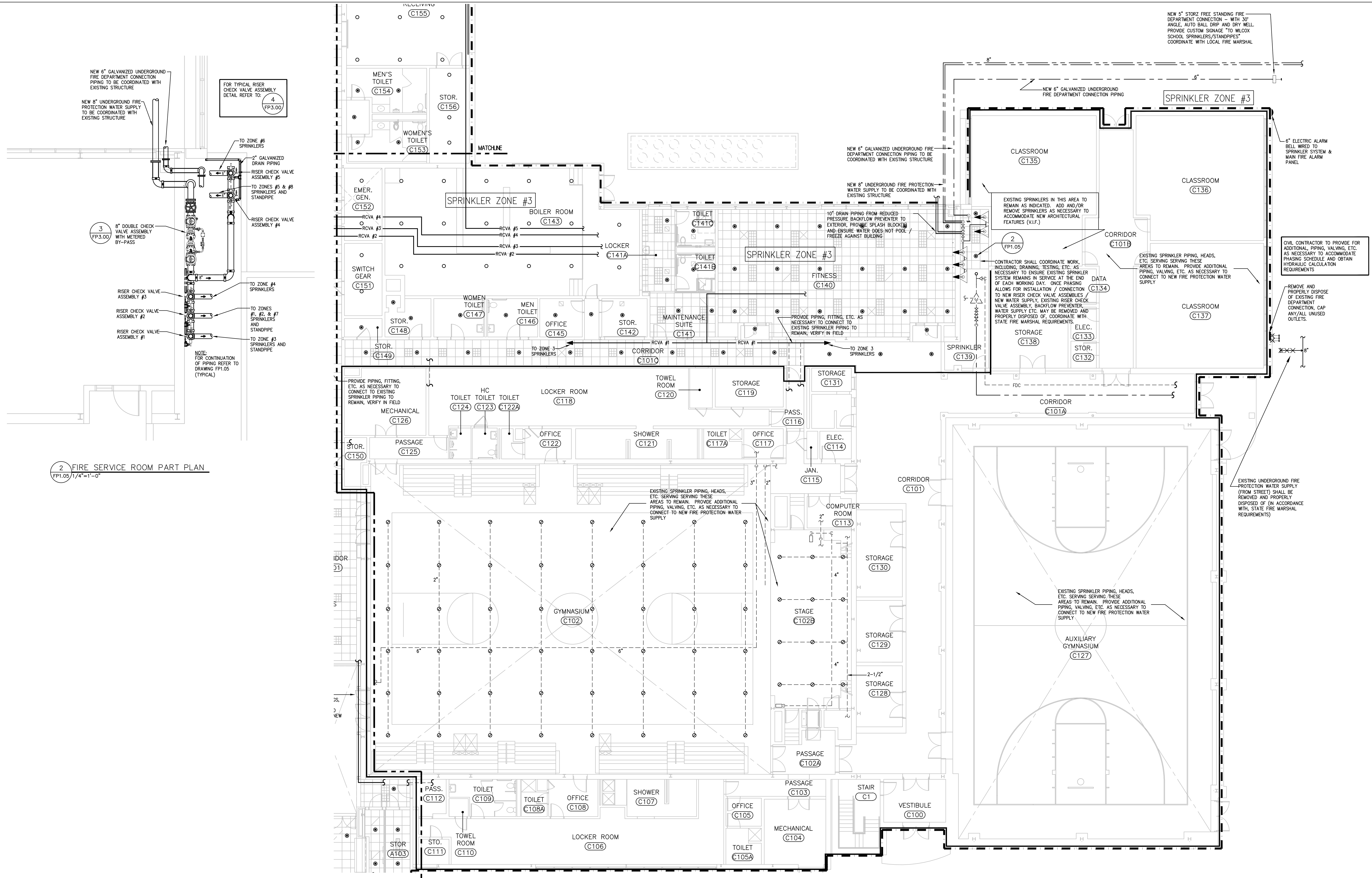
PROVIDE PIPING, FITTING, ETC. AS NECESSARY TO CONNECT TO EXISTING SPRINKLER PIPING TO REMAIN. VERIFY IN FIELD

PROVIDE PIPING, FITTING, ETC. AS NECESSARY TO CONNECT TO EXISTING SPRINKLER PIPING TO REMAIN. VERIFY IN FIELD

PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS WITHIN SKYLIGHT AREAS (TYP.)

Drawing Title FIRST FLOOR PLAN AREA "B" & "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
Revisions		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
Mark		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No. FP1.04
CAD No. 0532-FP-1ST FLR -NEW		Project No. BI-RT-843	Drawing No. FP1.04



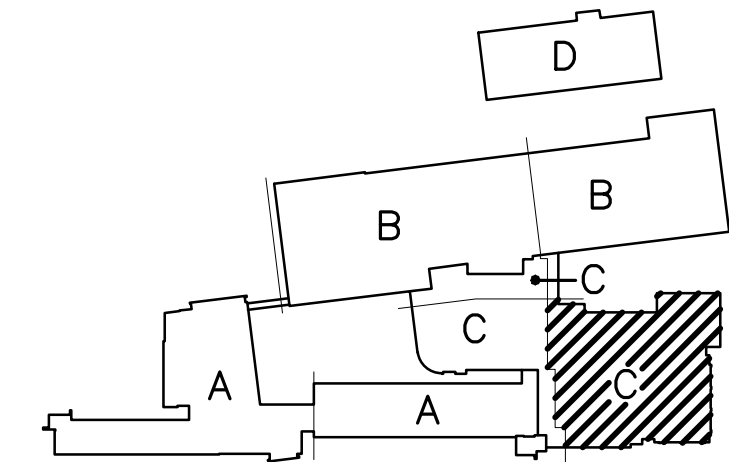


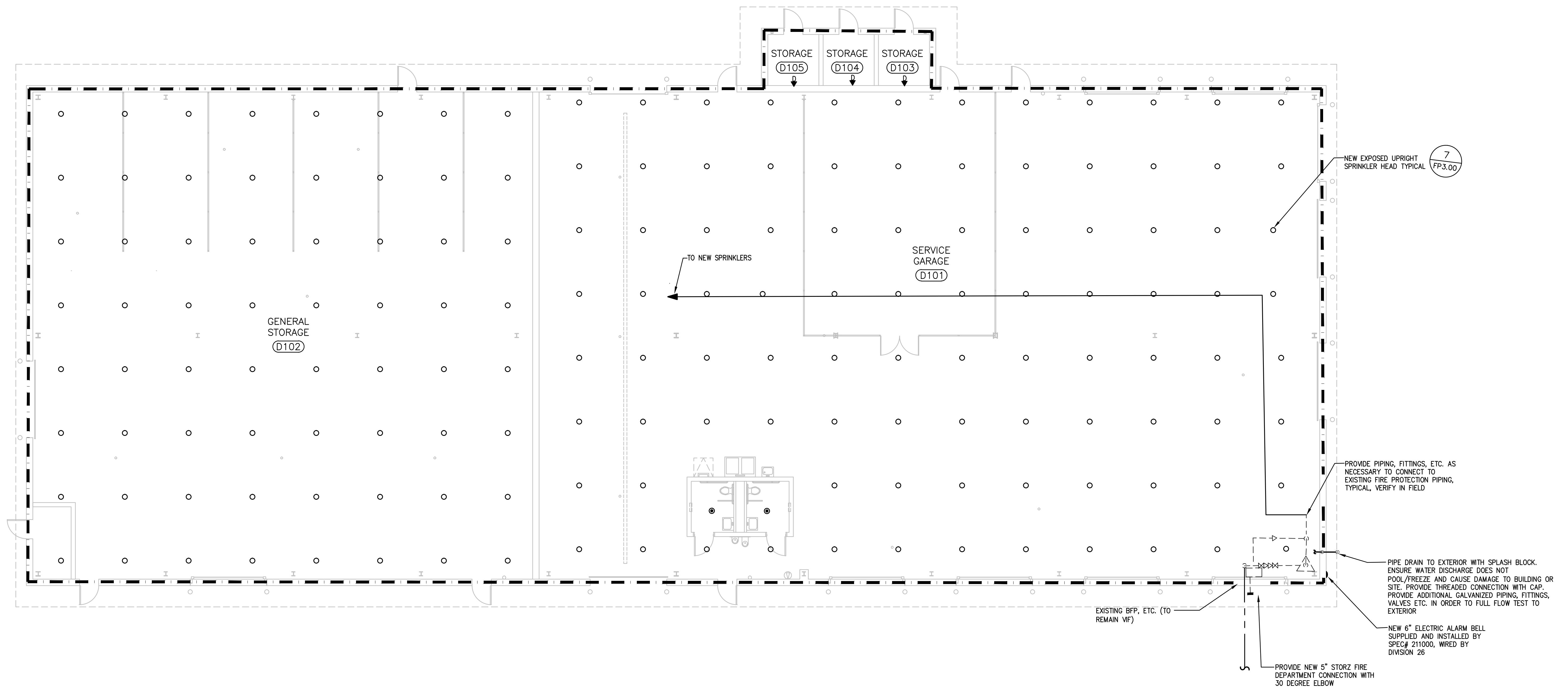
2 FIRE SERVICE ROOM PART PLAN
FP1.05 1/4"=1'-0"

1 FIRST FLOOR PLAN - AREA "C"
FP1.05 1/8"=1'-0"

PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS

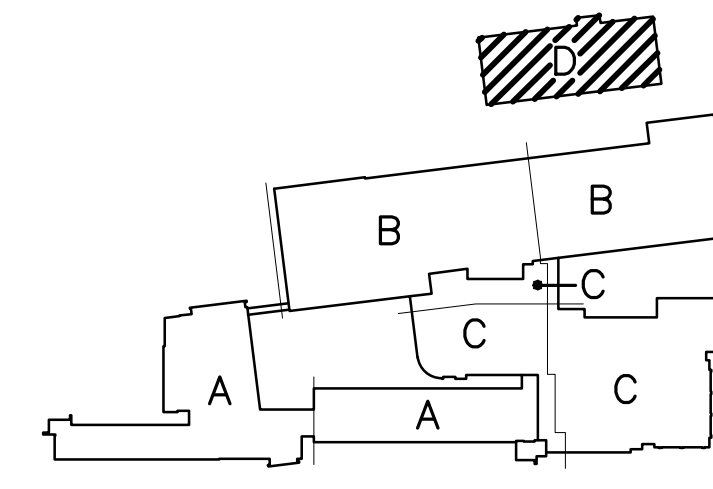
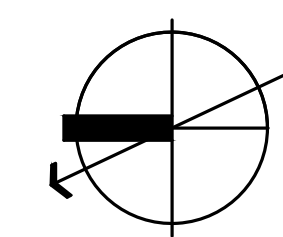
Drawing Title		STATE OF CONNECTICUT	
FIRST FLOOR PLAN AREA "C"		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By		Date:	
Tai Soo Kim Partners, LLC		1/28/2011	
Hartford Square West, 146 Willys St, Suite 1-203		Scale	
Hartford, CT 06106		1/8"=1'-0"	
Project		Approved By	
H.C. Wilcox Technical High School		RR	
Meriden, CT		Drawing No.	
Project No.		FP1.05	
0532-FP-1ST FLR -NEW		Bl-RT-843	



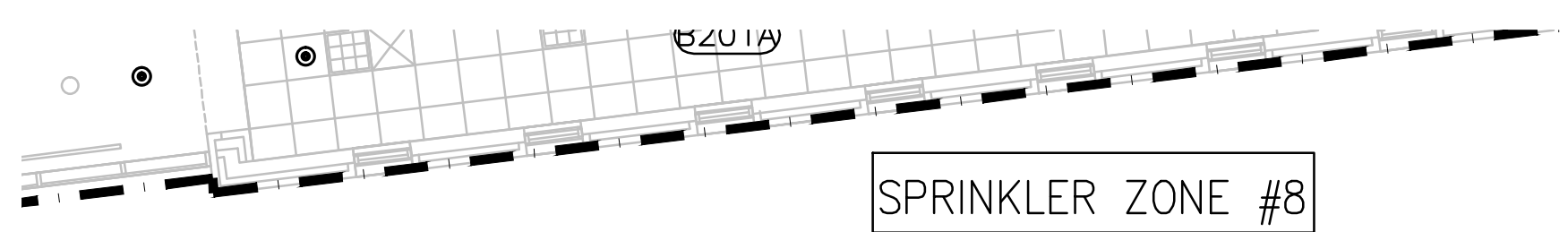


1 FIRST FLOOR PLAN - AREA "D"
FP1.06 1/8"=1'-0"

PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS



Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
FIRST FLOOR PLAN AREA "D" - FIRE PROTECTION		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
REVISIONS		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RR Drawing No. FP1.06
CAD No. 0532-FP-1ST FLR -NEW		Project No. BI-RT-843	



CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL

MATCHLINE FP1.07

SPRINKLER ZONE #8

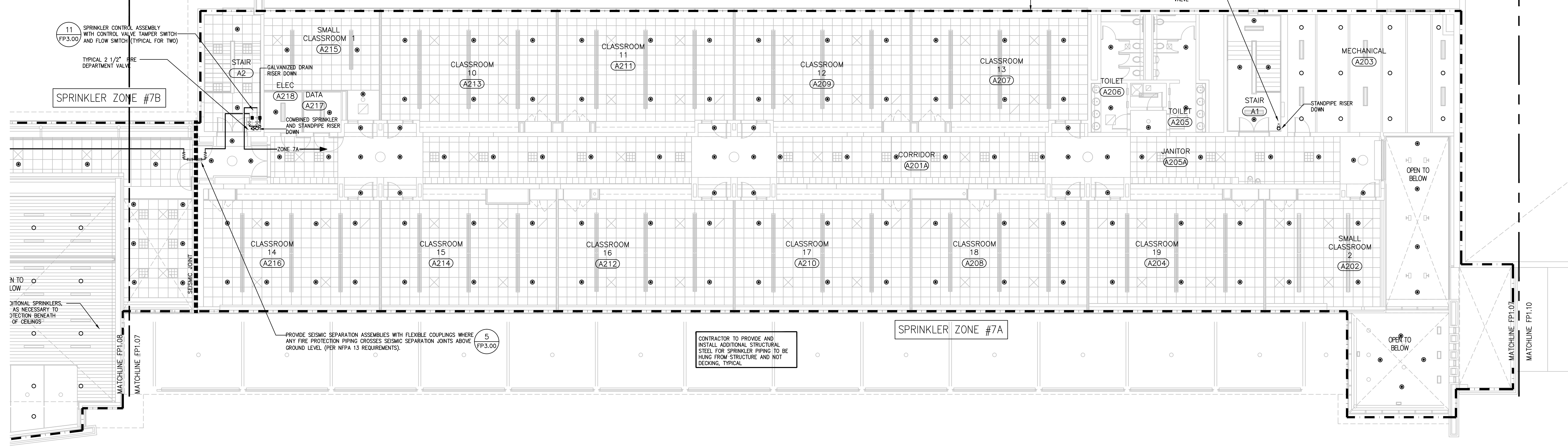
PROVIDE FIRE/SMOKE SEAL FOR ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, SHAFTS, FLOORS, ETC. ALL ACCESS PANELS SHOULD BE RATED EQUAL TO CEILING PARTITION INSTALLATION. COORDINATE REQUIREMENTS AND REFER TO ARCHITECTURAL DRAWINGS.

SPRINKLER ZONE #7A

TYPICAL 2 1/2" FIRE DEPARTMENT VALVE

11 SPRINKLER CONTROL ASSEMBLY WITH CONTROL VALVE TAMPER SWITCH AND FLOW SWITCH (TYPICAL FOR TWO) FP3.00

SPRINKLER ZONE #7B



ADDITIONAL SPRINKLERS, AS NECESSARY TO DETECTION BENEATH OF CEILINGS

PROVIDE SEISMIC SEPARATION ASSEMBLIES WITH FLEXIBLE COUPLINGS WHERE ANY FIRE PROTECTION PIPING CROSSES SEISMIC SEPARATION JOINTS ABOVE GROUND LEVEL (PER NFPA 13 REQUIREMENTS).

5 FP3.00

CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL

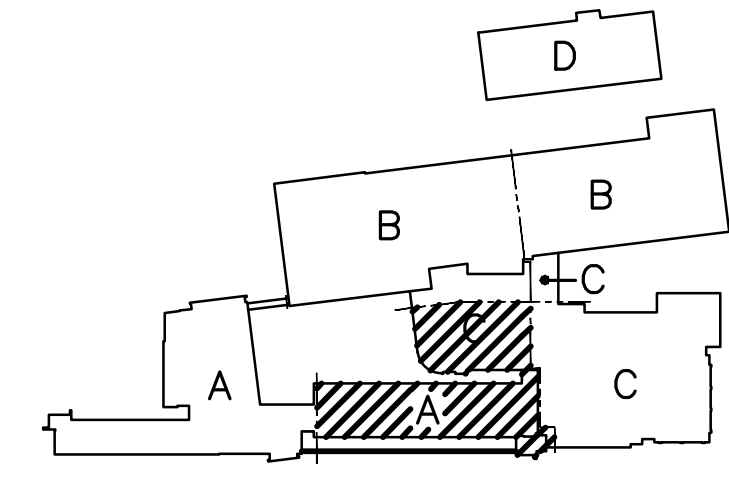
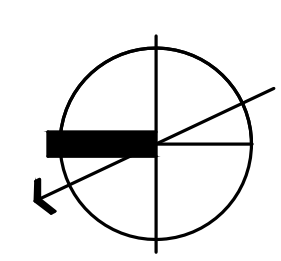
SPRINKLER ZONE #7A

OPEN TO BELOW

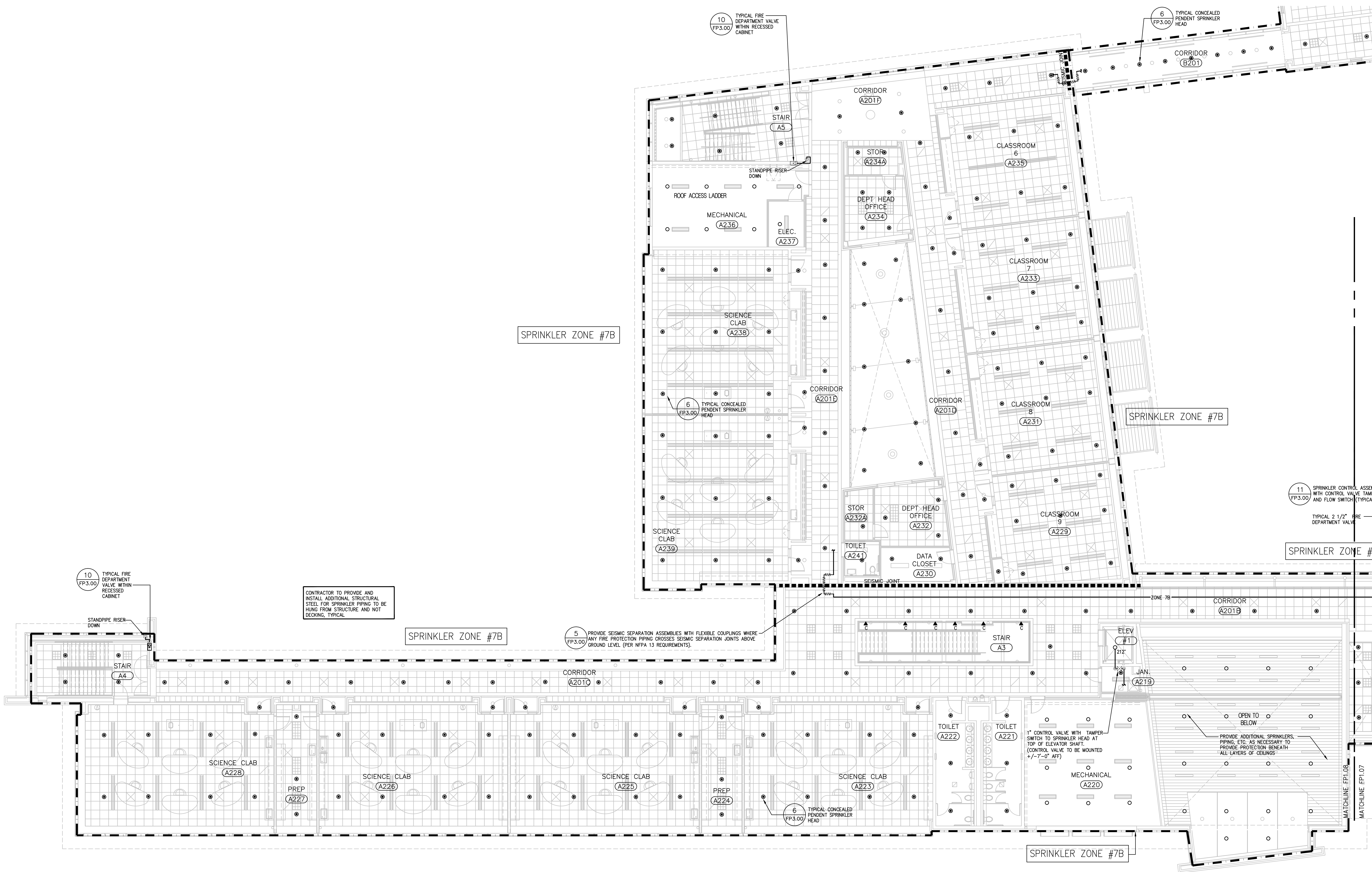
OPEN TO BELOW

1 SECOND FLOOR PLAN - AREA "A" & "C" FP1.07 1/8" = 1'-0"

PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDANT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS



Drawing Title SECOND FLOOR PLAN AREA "A" & "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	
Mark	Description	Project H.C. Wilcox Technical High School Meriden, CT	Date: 1/28/2011 Scale: 1/8" = 1'-0" Drawn By SEC Approved By RRR Drawing No. FP1.07
CAD No. 0532-FP-2ND FLR -NEW		Project No. BI-RT-843	



SPRINKLER ZONE #7B

SPRINKLER ZONE #7B

SPRINKLER ZONE #7B

SPRINKLER ZONE #7B

SPRINKLER ZONE #7B

1 SECOND FLOOR PLAN - AREA "A"
 FP1.08/1/8" = 1'-0"

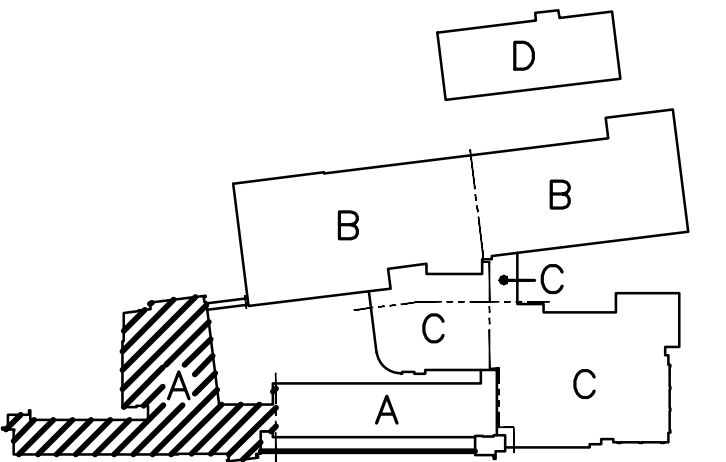
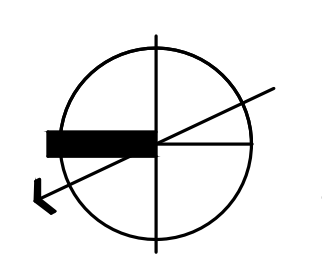
PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS

CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL.

5 PROVIDE SEISMIC SEPARATION ASSEMBLIES WITH FLEXIBLE COUPLINGS WHERE ANY FIRE PROTECTION PIPING CROSSES SEISMIC SEPARATION JOINTS ABOVE GROUND LEVEL (PER NFPA 13 REQUIREMENTS).

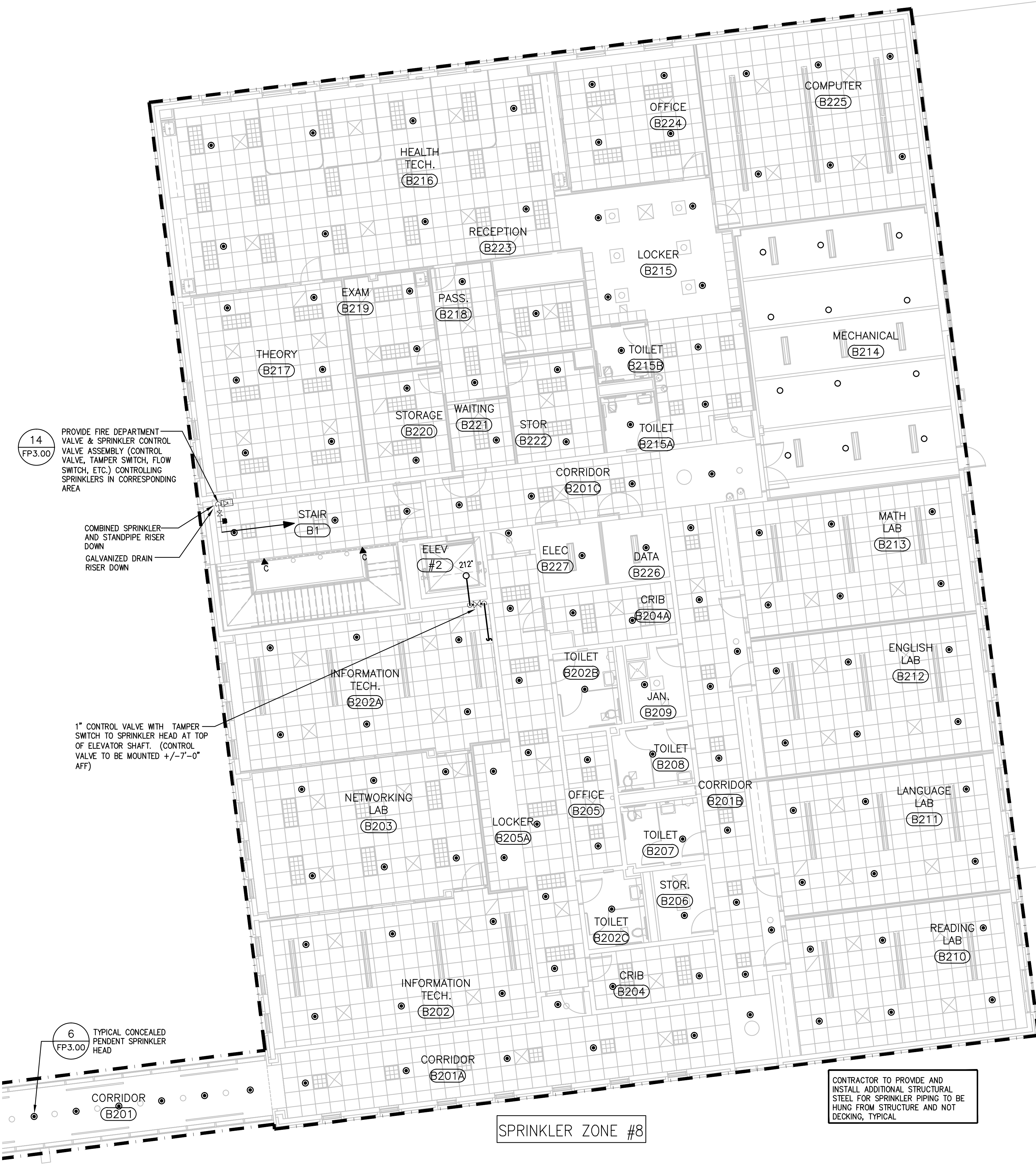
1" CONTROL VALVE WITH TAMPER SWITCH TO SPRINKLER HEAD AT TOP OF ELEVATOR SHAFT (CONTROL VALVE TO BE MOUNTED +/- 7'-0" AFF)

PROVIDE ADDITIONAL SPRINKLERS, PIPING, ETC. AS NECESSARY TO PROVIDE PROTECTION BENEATH ALL LAYERS OF CEILINGS



Drawing Title		STATE OF CONNECTICUT	
SECOND FLOOR PLAN AREA "A" - FIRE PROTECTION		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
		Tai Soo Kim Partners, LLC	1/28/2011
		Hartford Square West, 146 Wyllys St, Suite 1-203	Scale
		Hartford, CT 06106	1/8"=1'-0"
		Project	Drawn By
		H.C. Wilcox Technical High School	K.S.
		Meriden, CT	Approved By
			RR
			Drawing No.
			FP1.08
CAD No.		Project No.	
08086FP-2ND FLR -NEW		BI-RT-843	

SPRINKLER ZONE #8



14
FP3.00
PROVIDE FIRE DEPARTMENT VALVE & SPRINKLER CONTROL VALVE ASSEMBLY (CONTROL VALVE, TAMPER SWITCH, FLOW SWITCH, ETC.) CONTROLLING SPRINKLERS IN CORRESPONDING AREA

COMBINED SPRINKLER AND STANDPIPE RISER DOWN GALVANIZED DRAIN RISER DOWN

1" CONTROL VALVE WITH TAMPER SWITCH TO SPRINKLER HEAD AT TOP OF ELEVATOR SHAFT. (CONTROL VALVE TO BE MOUNTED +/- 7'-0" AFF)

6
FP3.00
TYPICAL CONCEALED PENDENT SPRINKLER HEAD

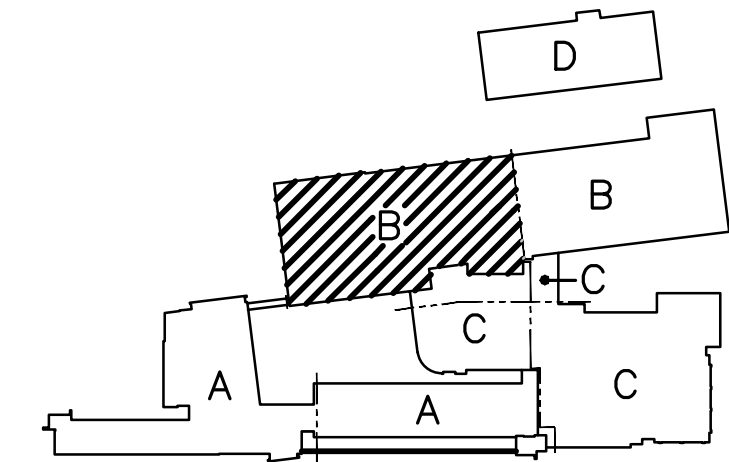
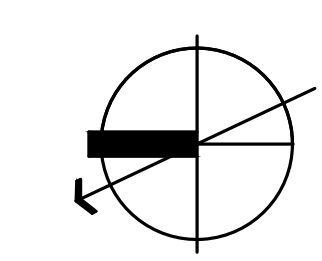
CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL STRUCTURAL STEEL FOR SPRINKLER PIPING TO BE HUNG FROM STRUCTURE AND NOT DECKING, TYPICAL

MATCHLINE FP1.09
MATCHLINE FP1.07

SPRINKLER ZONE #8

PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILING AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILING

1 SECOND FLOOR PLAN - AREA "B" & "C"
FP1.09/1/8" = 1'-0"

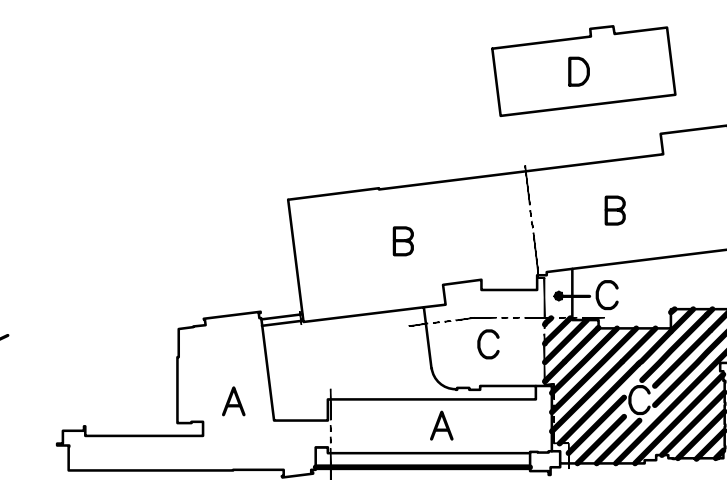
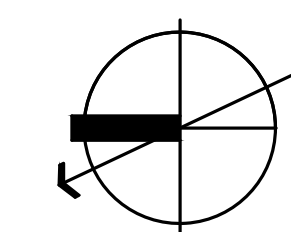


Drawing Title		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
SECOND FLOOR PLAN AREA "B" & "C" - FIRE PROTECTION			
REVISIONS			
Mark	REVISIONS	Drawing Prepared By	Date:
		Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	1/28/2011
		H.C. Wilcox Technical High School Meriden, CT	Scale 1/8"=1'-0"
		Project No. BI-RT-843	Drawn By SEC
		CAD No. 0532-FP-2ND FLR -NEW	Approved By RR
			Drawing No. FP1.09

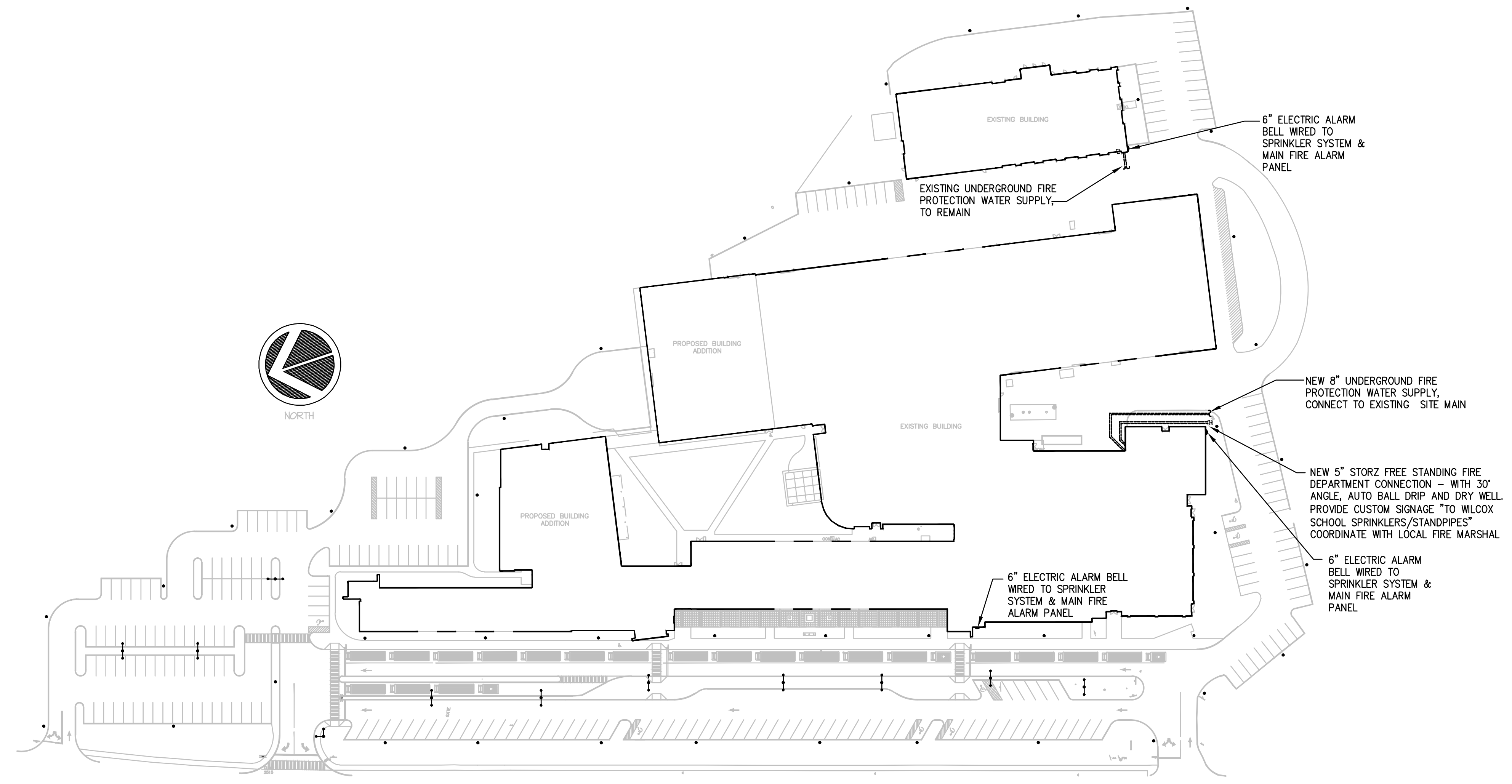


1 SECOND FLOOR PLAN - AREA "C"
 FP1.10 1/8" = 1'-0"

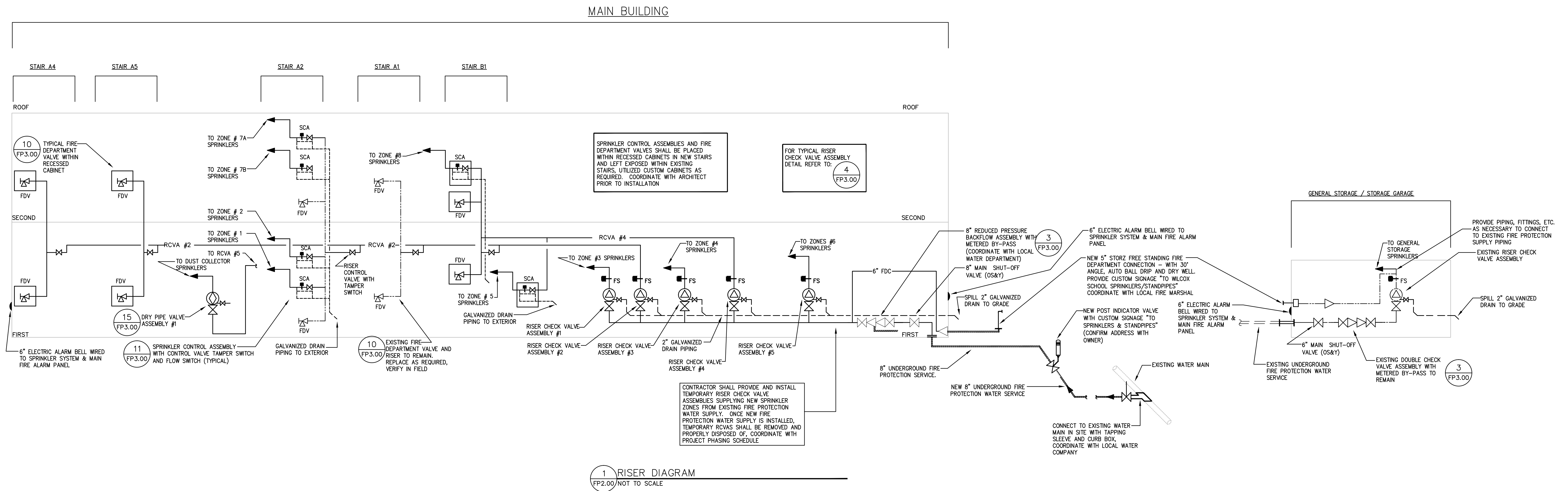
PROVIDE COMPLETE SPRINKLER PROTECTION THROUGHOUT NEW AND EXISTING AREAS. UTILIZE CONCEALED PENDENT SPRINKLERS AND PIPING IN AREAS WITH FINISHED CEILINGS AND INSTALL EXPOSED PIPING & UPRIGHT SPRINKLERS IN AREAS WITHOUT CEILINGS



Drawing Title SECOND FLOOR PLAN AREA "C" - FIRE PROTECTION		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale: 1/8"=1'-0"
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By SEC Approved By RRR Drawing No. FP1.10
CAD No. 0532-FP-2ND FLR -NEW		Project No. BI-RT-843	

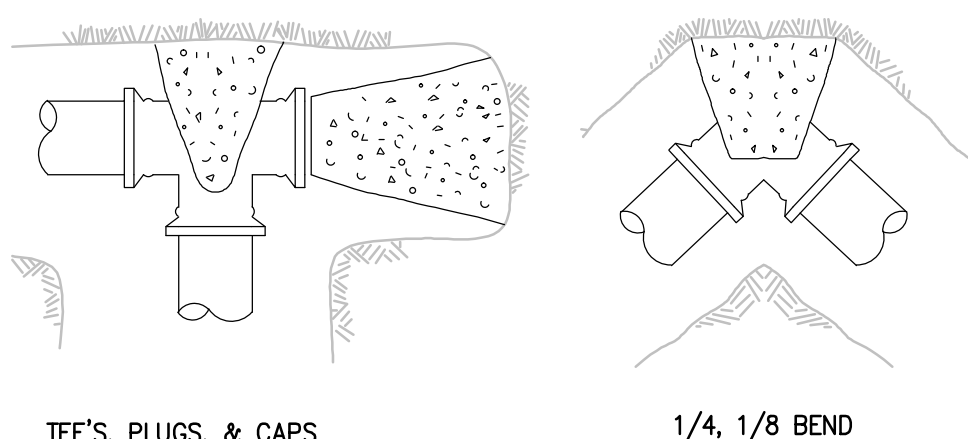


2 FIRE PROTECTION SITE PLAN
FP2.00 NOT TO SCALE



1 RISER DIAGRAM
FP2.00 NOT TO SCALE

Drawing Title		STATE OF CONNECTICUT	
RISER DIAGRAM - FIRE PROTECTION		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark			
Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106		Date: 1/28/2011	Scale: AS NOTED
Project H.C. Wilcox Technical High School Meriden, CT		Drawn By ME	Approved By KC
CAD No. 0532-FP-RISER		Project No. BI-RT-843	Drawing No. FP2.00



AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS

PIPE SIZE INCHES	1/4 BEND SQ. FT.	1/8 BEND SQ. FT.	TEES, PLUGS, CAPS SQUARE FEET
4	2	2	2
6	3	3	4
8	5	5	6
10	7	7	9
12	10	10	13

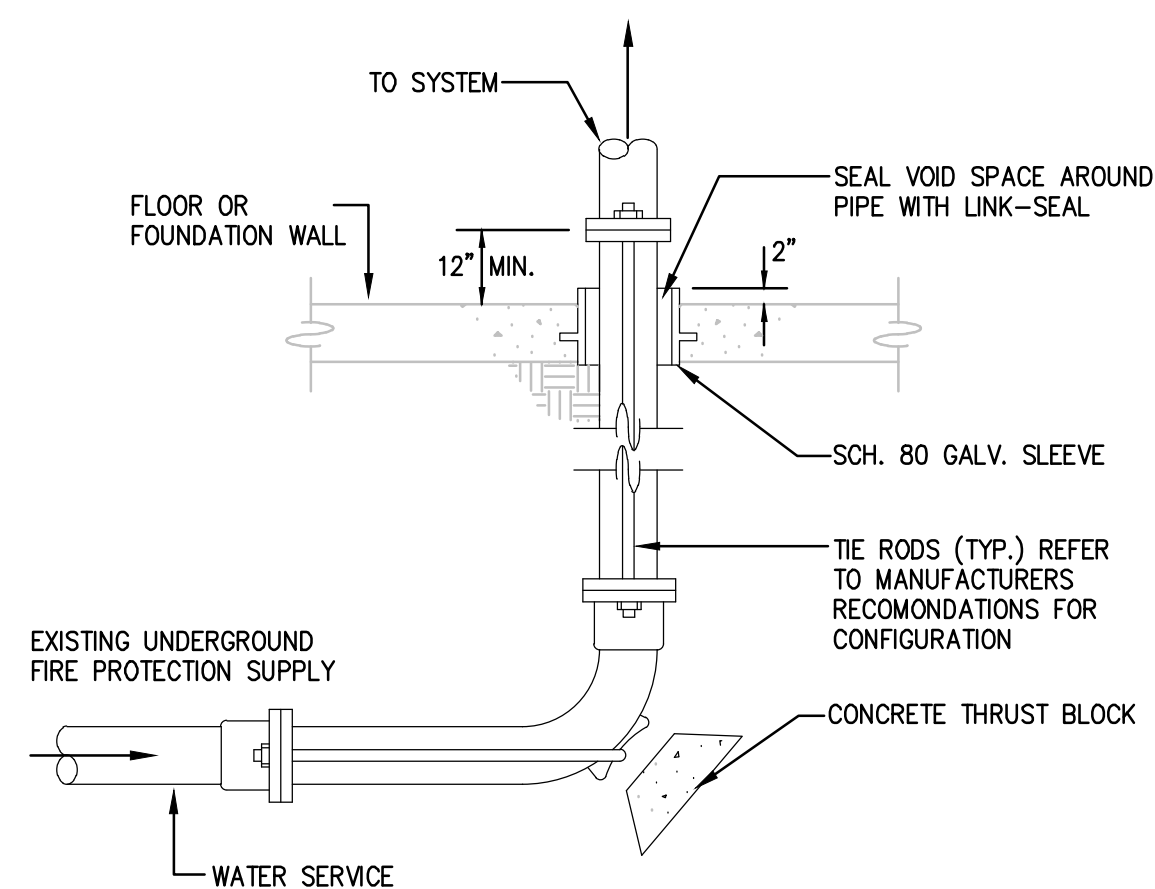
AREAS IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 225 POUNDS PER SQUARE INCH AND A SOIL RESISTANCE OF 2000 POUNDS PER SQUARE FOOT.

MULTIPLY BEARING AREAS FOR DIFFERENT SOILS BY FOLLOWING FACTORS:

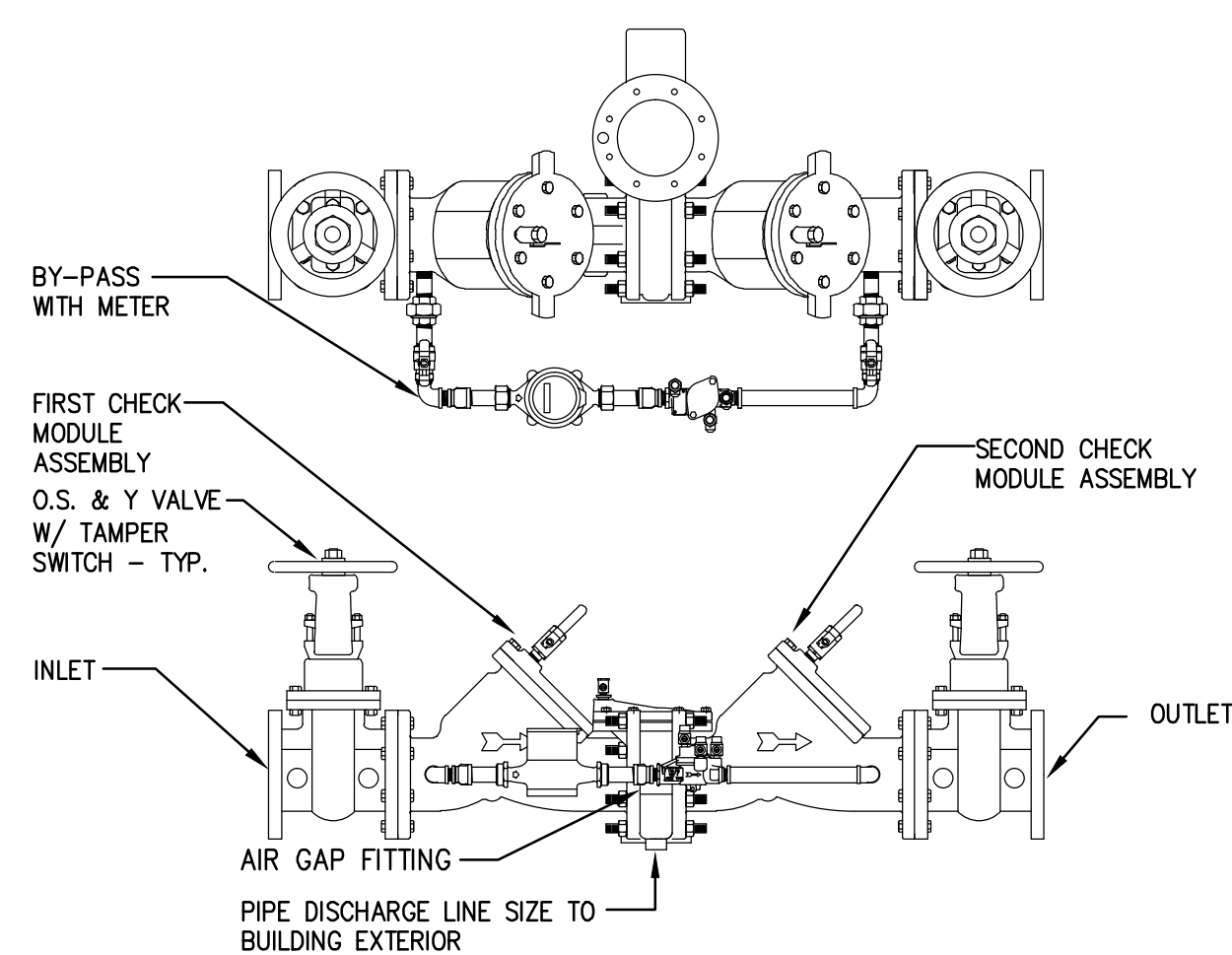
SAND AND GRAVEL	1.33
SAND	2
SOFT CLAY	4
SHALE	0.4

NOTE: REFER TO NFPA 24 FOR COMPLETE DATA.

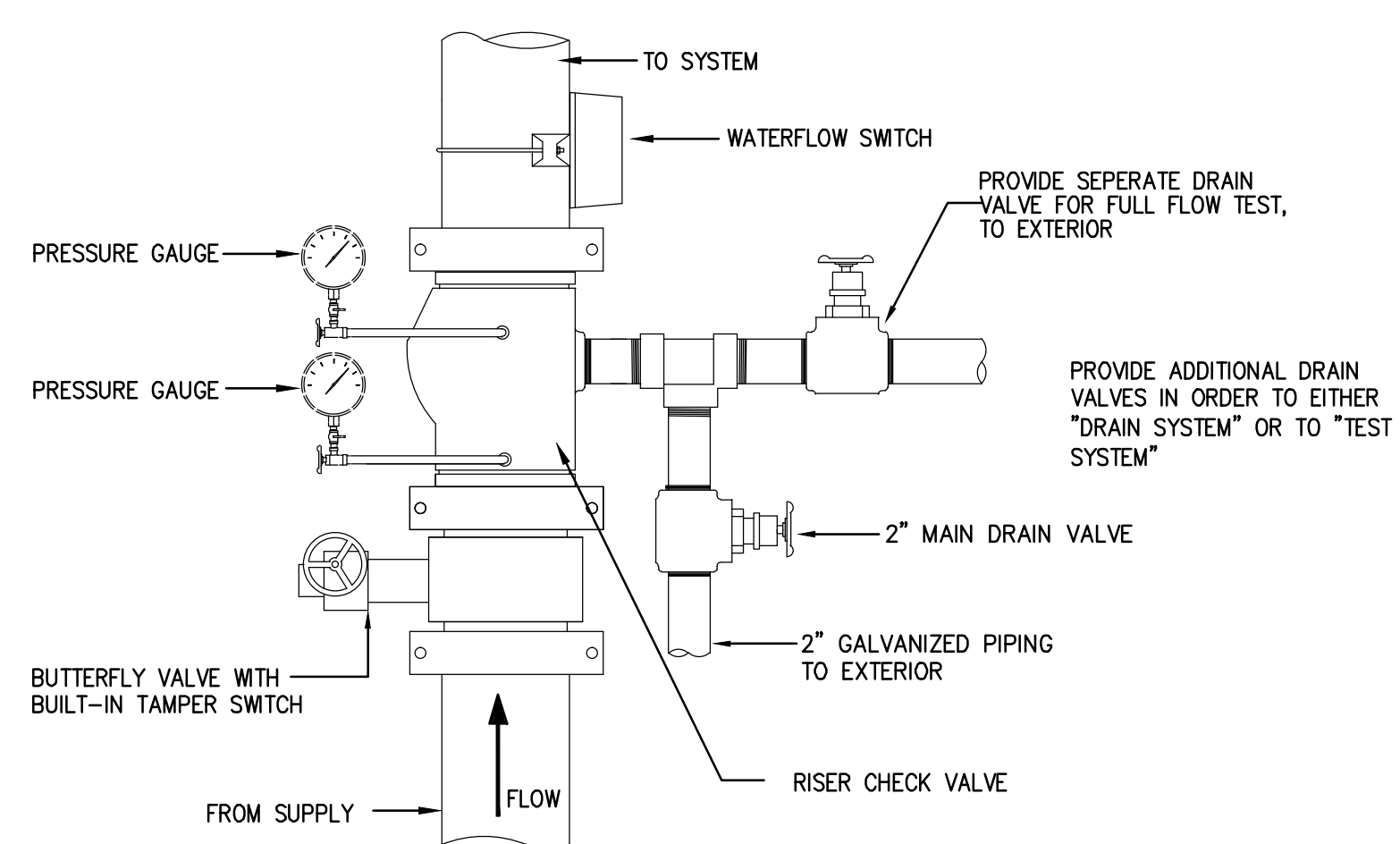
1 THRUST BLOCK DETAIL
FP3.00/NOT TO SCALE



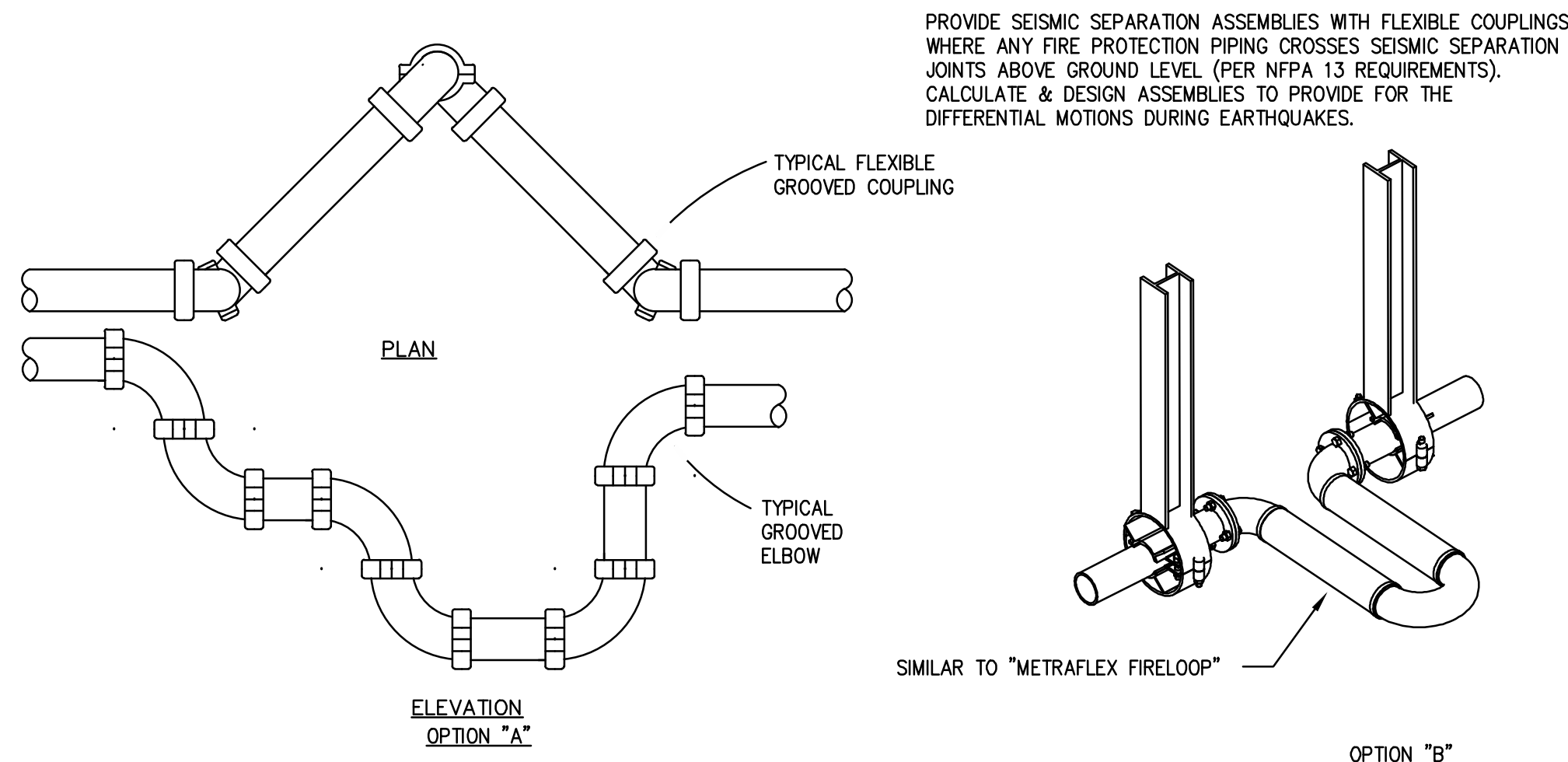
2 FIRE PROTECTION WATER SERVICE ENTRY DETAIL
FP3.00/NOT TO SCALE



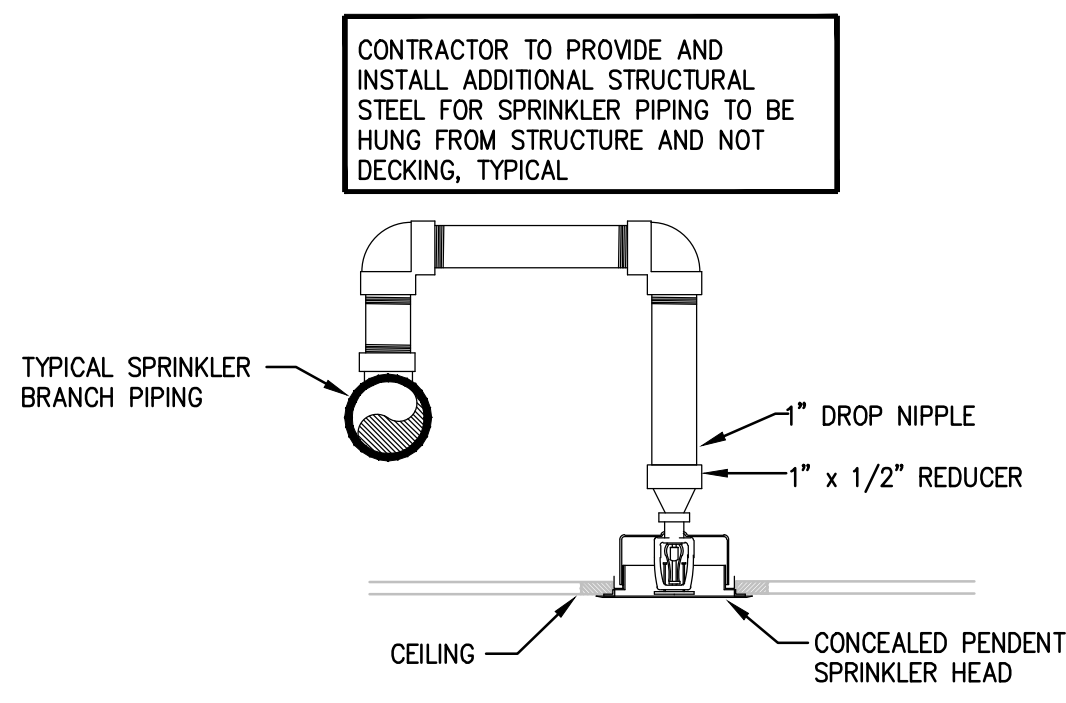
3 HORIZONTAL REDUCED PRESSURE BACKFLOW ASSEMBLY
FP3.00/NOT TO SCALE



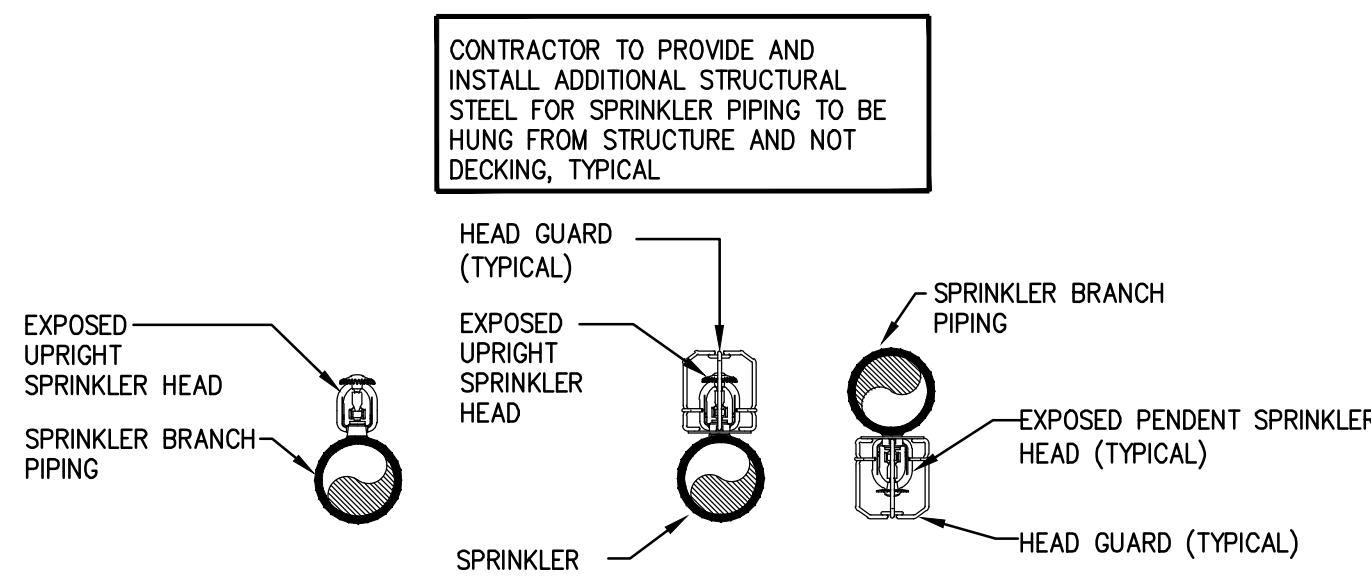
4 RISER CHECK VALVE ASSEMBLY
FP3.00/NOT TO SCALE



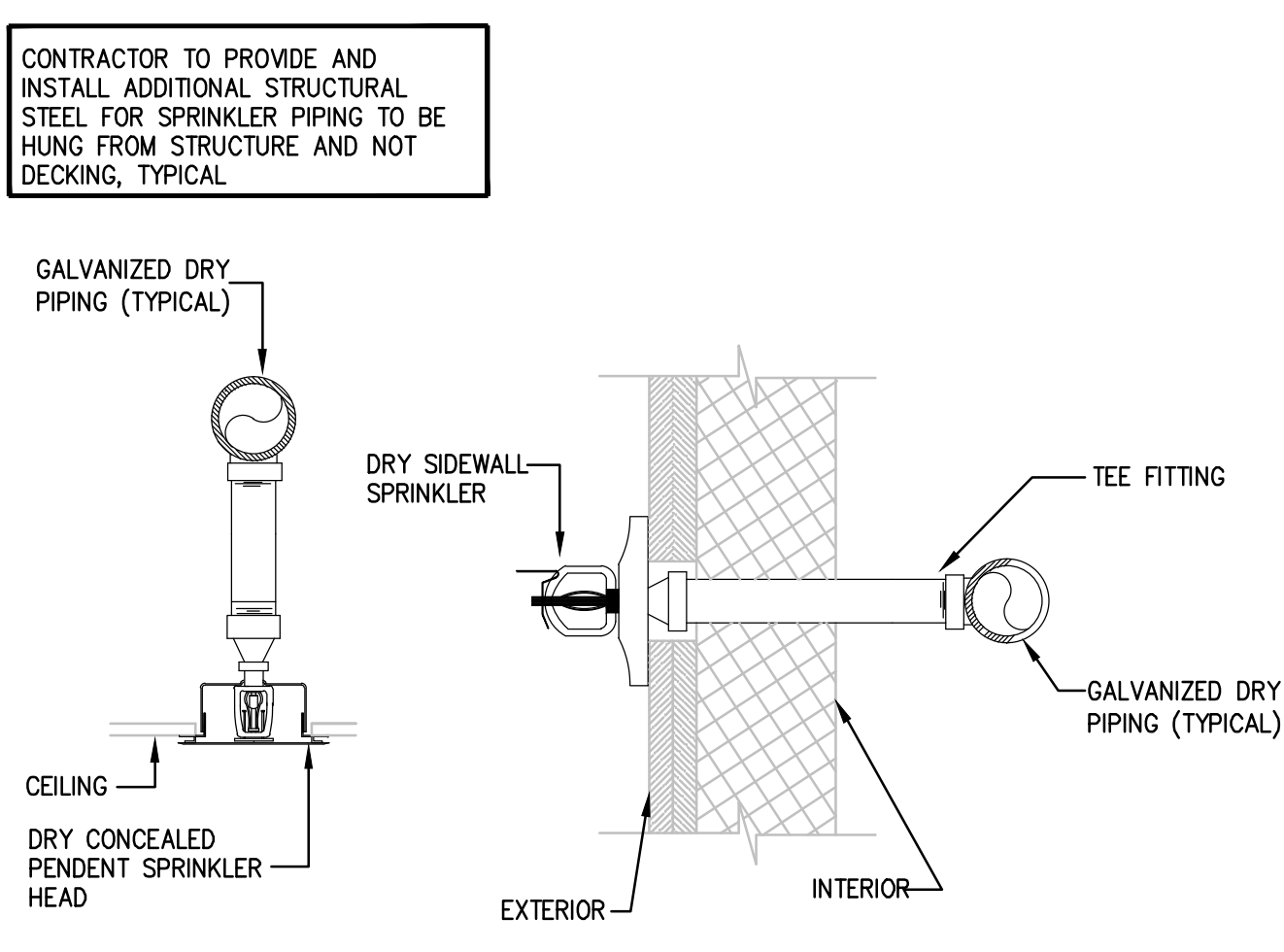
5 GROOVED SEISMIC SEPARATION ASSEMBLY
FP3.00/SCALE: NONE



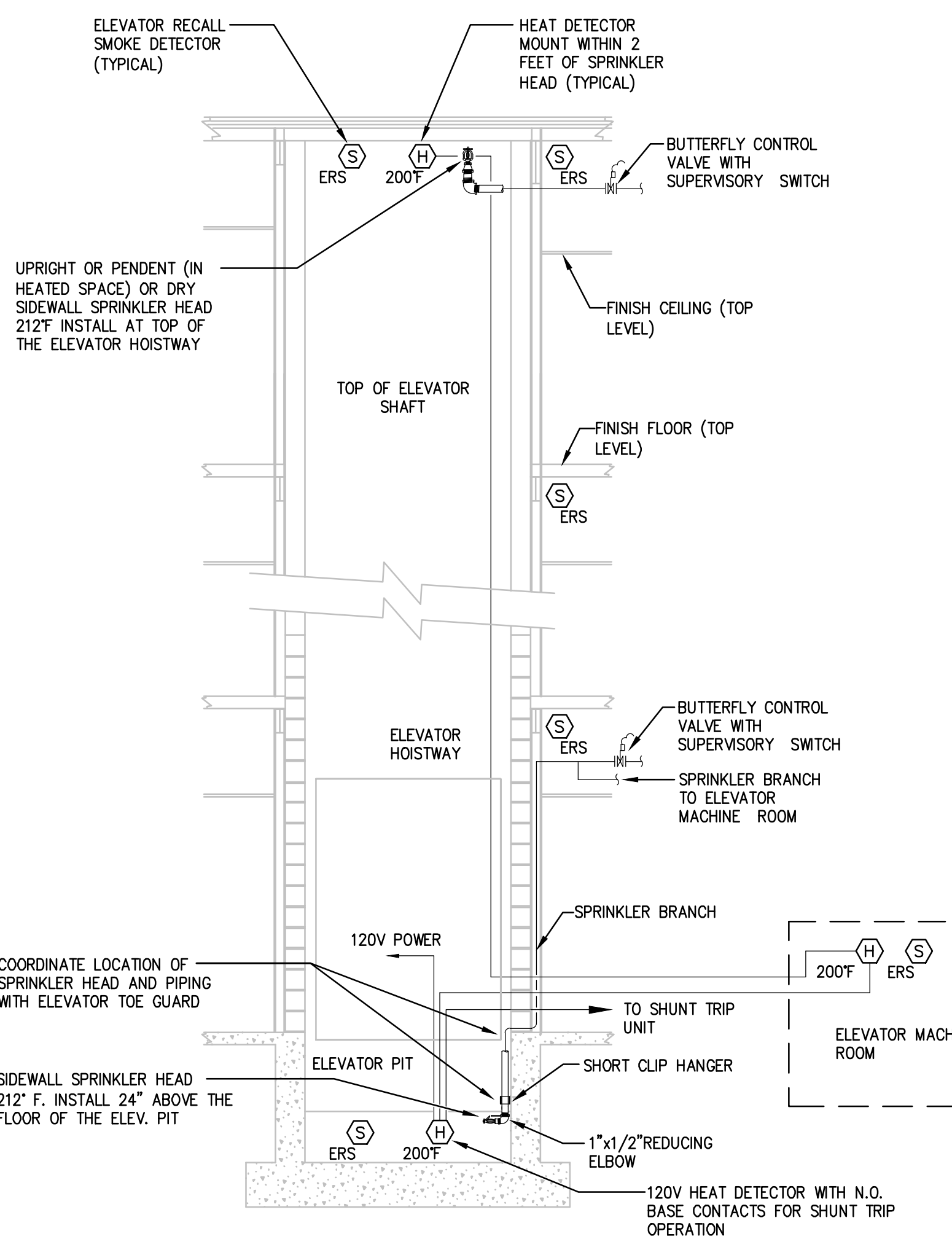
6 TYPICAL CONCEALED PENDENT SPRINKLER HEAD ON RETURN BEND
FP3.00/NOT TO SCALE



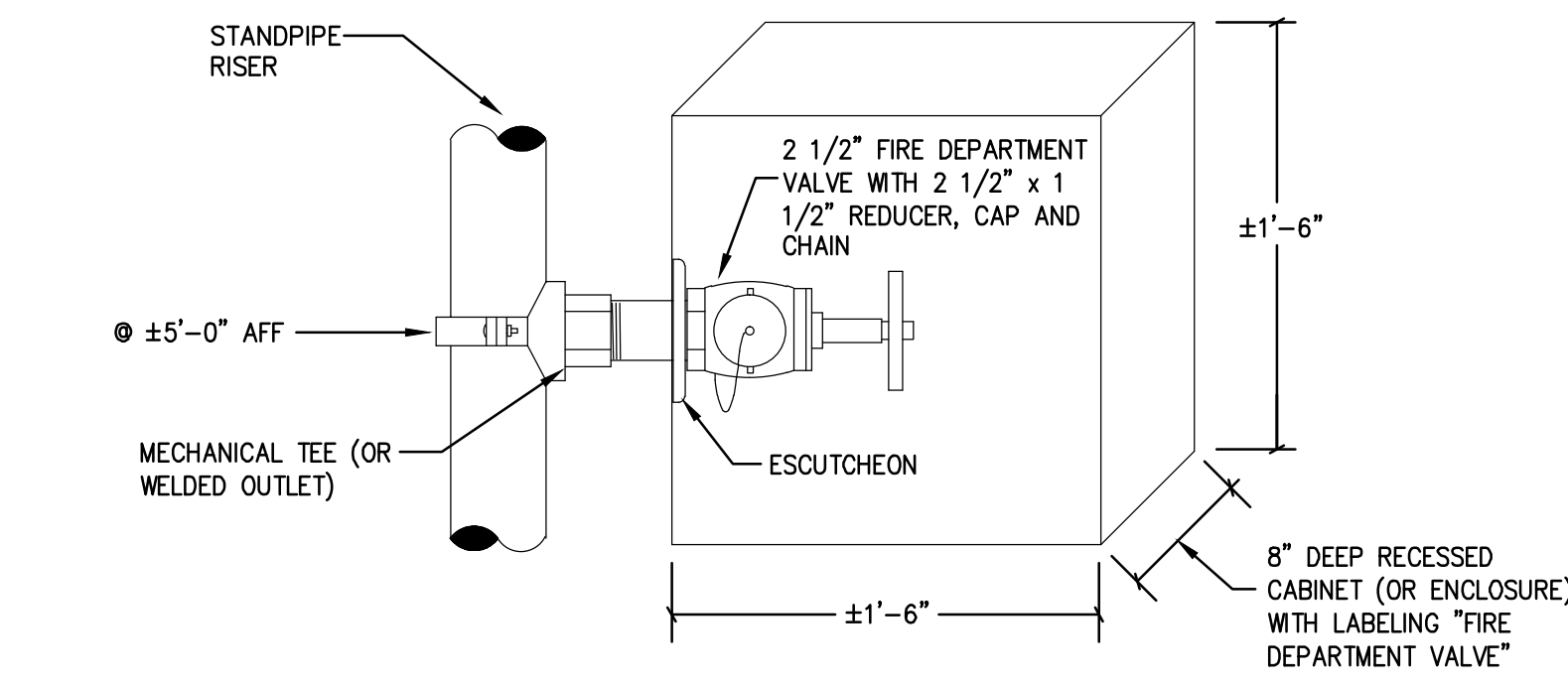
7 TYPICAL EXPOSED SPRINKLER HEADS
FP3.00/NOT TO SCALE



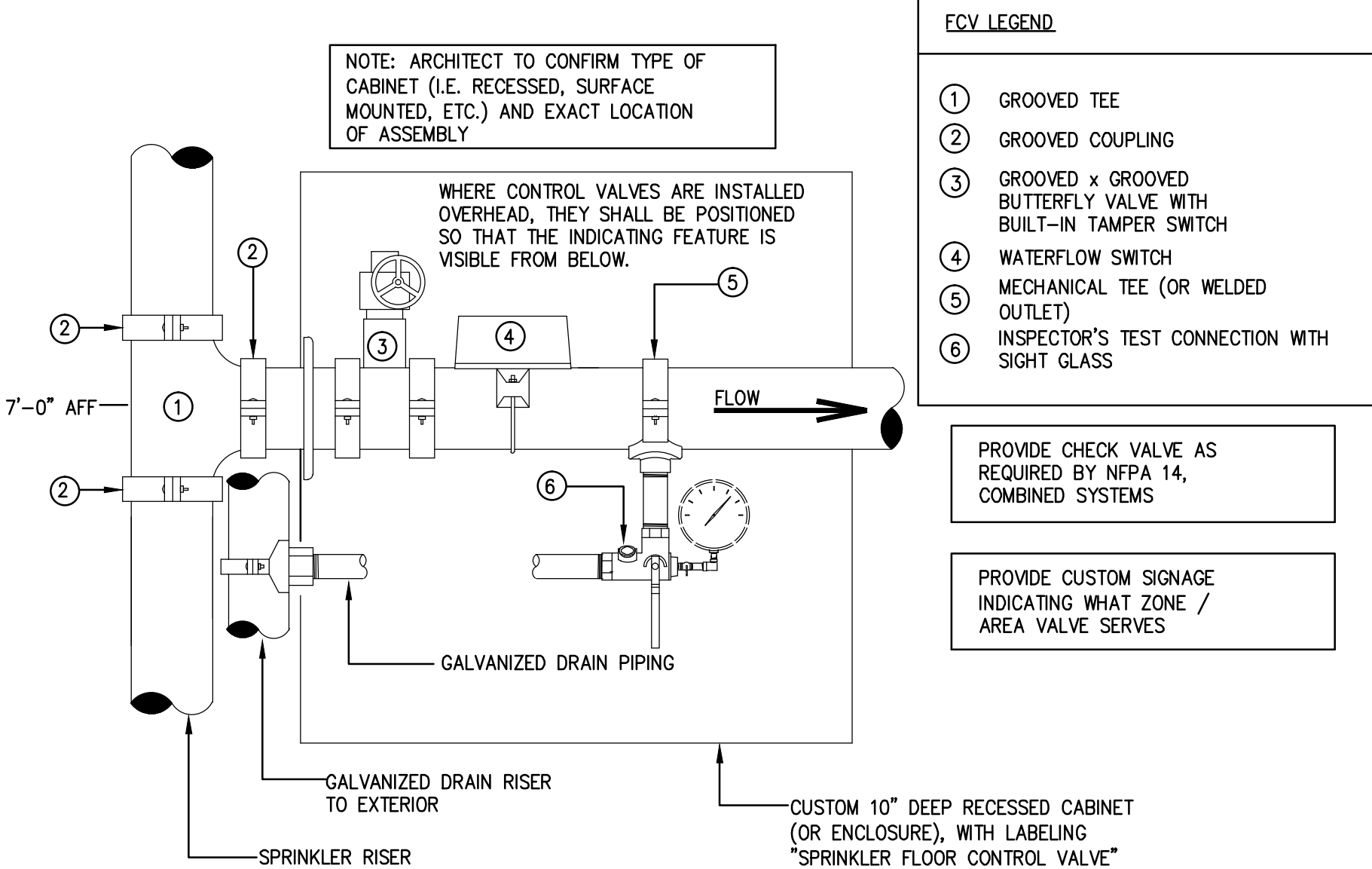
8 TYPICAL DRY SPRINKLER HEAD DETAIL
FP3.00/NOT TO SCALE



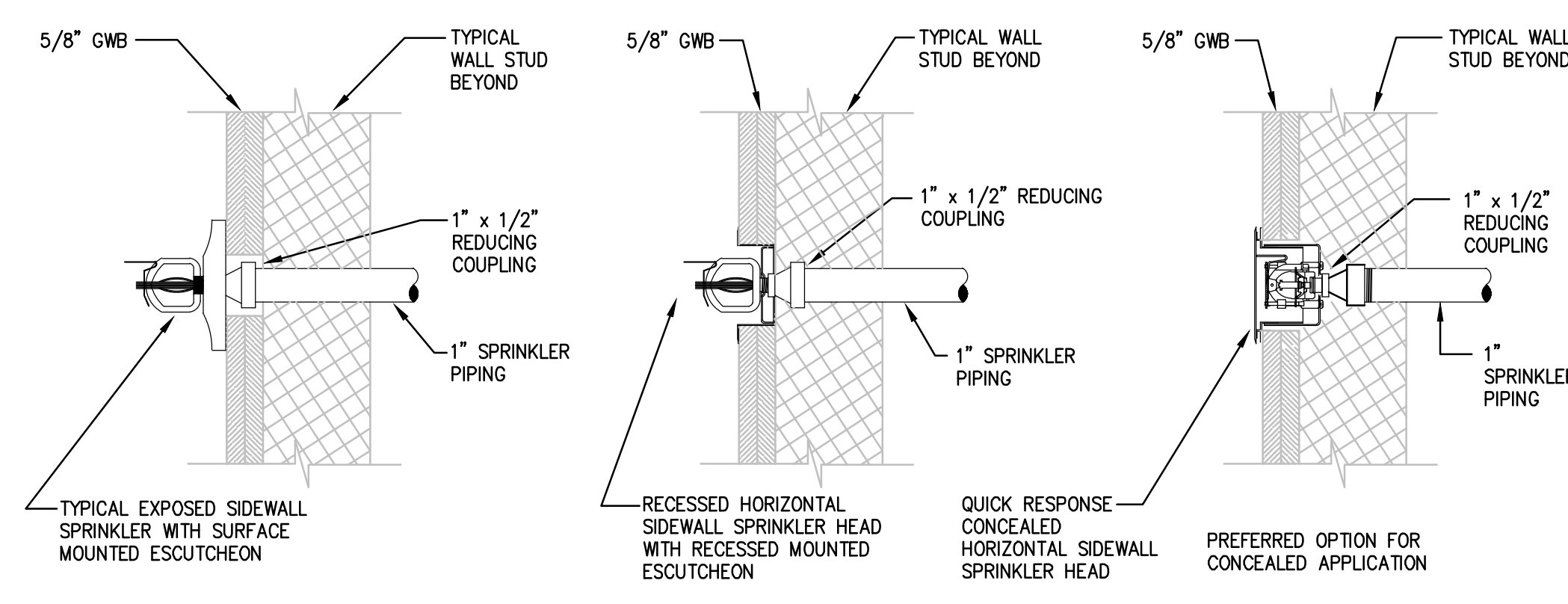
9 ELEVATOR SPRINKLER DETAIL
FP3.00/NOT TO SCALE



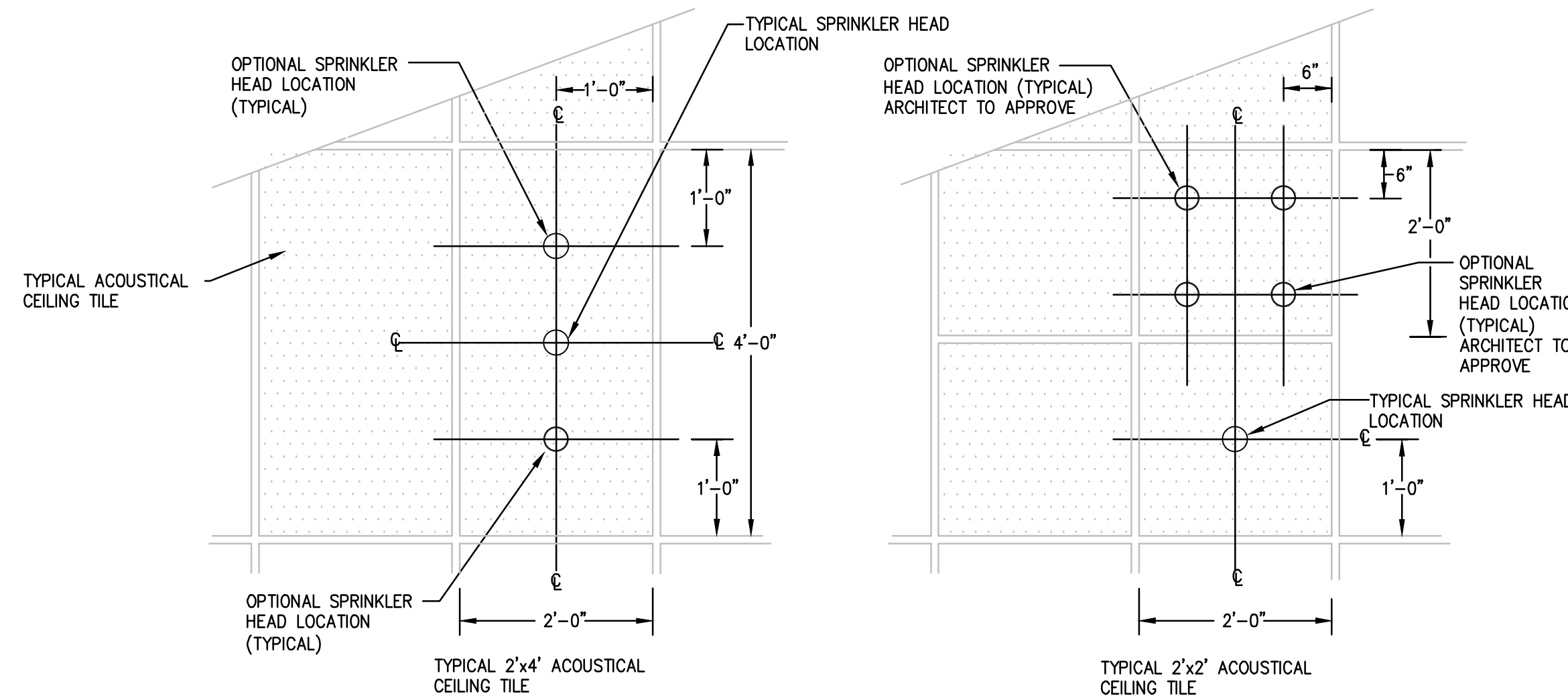
10 TYPICAL 2-1/2" (FDV) FIRE DEPARTMENT VALVE
FP3.00/NOT TO SCALE



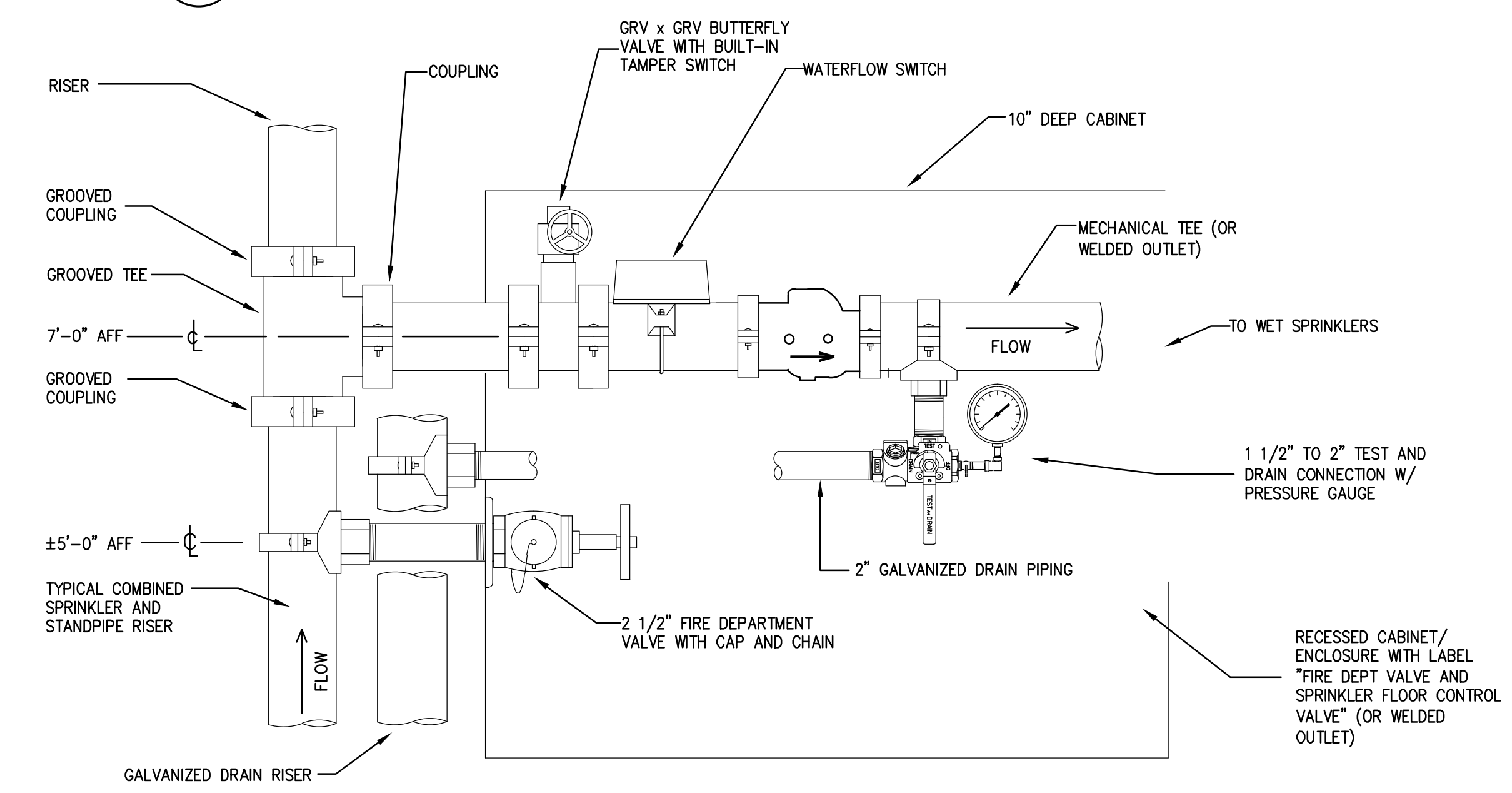
11 FLOOR CONTROL VALVE ASSEMBLY
FP3.00/NOT TO SCALE



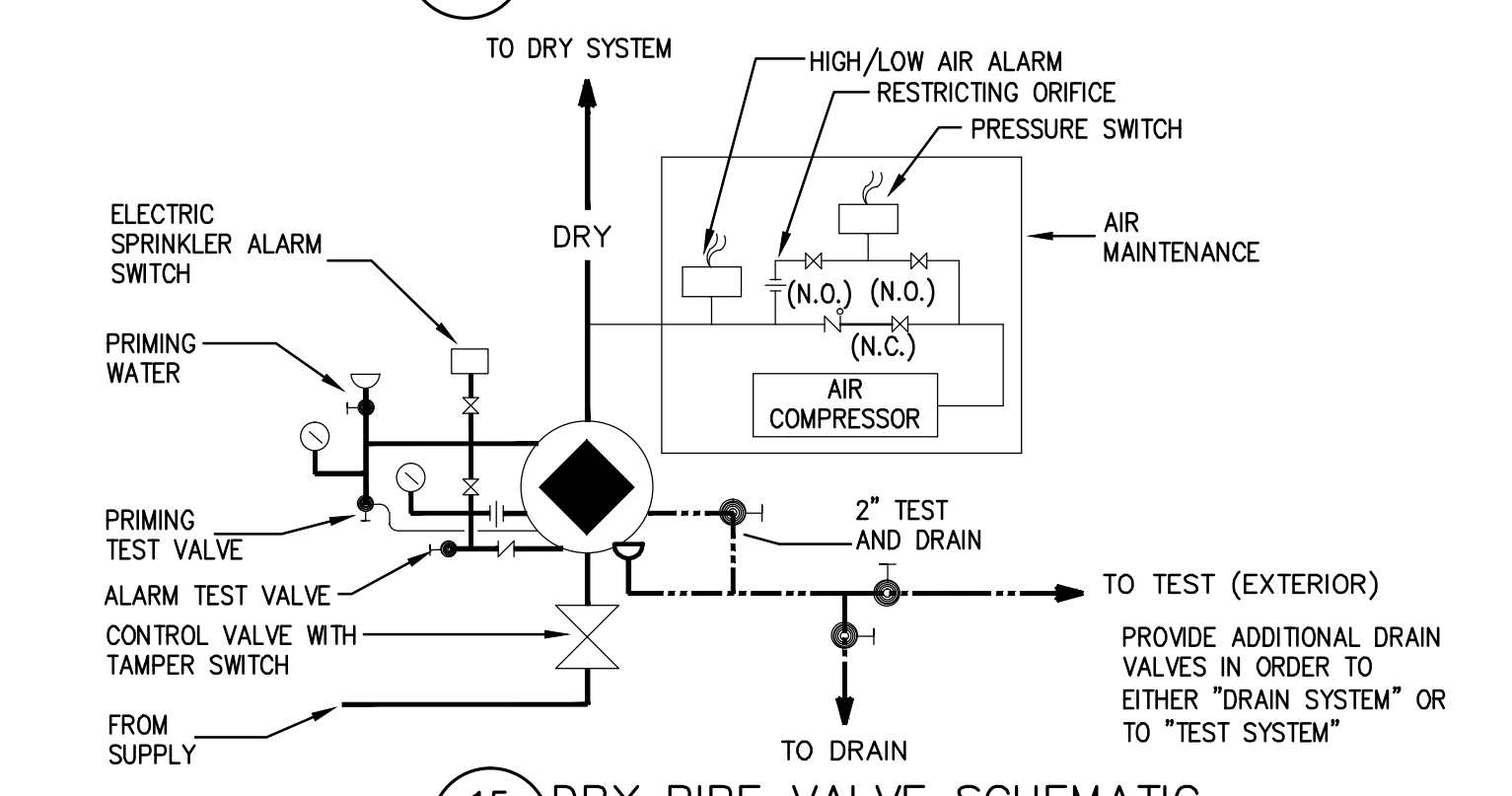
12 TYPICAL SIDEWALL SPRINKLER HEAD
FP3.00/NOT TO SCALE



13 TYPICAL ACOUSTICAL TILE SPRINKLER HEAD LOCATION
FP3.00/NOT TO SCALE



14 TYPICAL (SCA) SPRINKLER CONTROL & (FDV) FIRE DEPT. VALVE
FP3.00/SCALE: 1-1/2" = 1'-0"



15 DRY PIPE VALVE SCHEMATIC
FP3.00/NOT TO SCALE

Drawing Title		STATE OF CONNECTICUT	
DETAILS - FIRE PROTECTION		DEPARTMENT OF PUBLIC WORKS	
REVISIONS			
Mark		Drawing Prepared By Tai Soo Kim Partners, LLC Hartford Square West, 146 Wyllys St, Suite 1-203 Hartford, CT 06106	Date: 1/28/2011 Scale AS NOTED
		Project H.C. Wilcox Technical High School Meriden, CT	Drawn By MB Approved By KC Drawing No.
CAD No.	0532-FP-DETAILS	Project No. 8I-RT-843	FP3.00