

ADDENDUM NO. 2

Rochester City School District

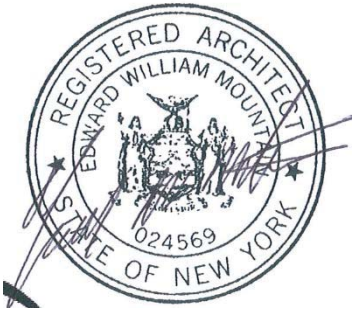
Dr. Walter Cooper, School #10

SED Control#: 26-16-00-01-0-037-021

SED DWT Control #: 26-16-00-01-7-999-020

SEI Project No.: 17-3016

February 28th, 2018



GENERAL INSTRUCTIONS:

- Include this Addendum as part of the Construction Documents. This Addendum supplements portions of the original Drawings and Specifications, the intent of which shall remain, except as revised herein.
- Work described in this Addendum shall be in accordance with the Specifications for like items in remainder of project and complete with all labor and materials included.

REVISIONS TO THE PROJECT MANUAL:

SECTION "06 40 23 - INTERIOR ARCHITECTURAL WOODWORK"

- Item AD2-1 **ADD** the following Articles to Paragraph 2.3 HARDWARE AND ACCESSORIES
"T. Partition End Post (library circulation desk)
1. Product/Manufacturer: Basis of design.
a. C.R. Laurence Co., Inc.; Contemporary Series Partition End Post
b. Model: PP45EBS

- c. Finish: Brushed Stainless Steel
- U. Partition End Post (library circulation desk)
 - 1. Product/Manufacturer: Basis of design.
 - a. C.R. Laurence Co., Inc.; Contemporary Series Partition Post 135 Degree Post
 - b. Model: PP45ABS
 - c. Finish: Brushed Stainless Steel

SECTION "06 40 23 - INTERIOR ARCHITECTURAL WOODWORK"

Item AD2-2 **DELETE** the following Articles from Paragraph 2.4 REFRIGERATOR/FREEZERS

~~C. Electric Washer and Dryer:~~

- ~~1. Basis of Design: GE Unitized Spacemaker.~~
- ~~2. Model #: GUD24ESSJWW.~~
- ~~3. Dimensions: 23 3/4" w x 74 1/2" h x 27 1/4" d.~~
- ~~4. Capacity: 2.0 cu. ft. (washer) and 4.4 cu. ft. (dryer)~~
- ~~5. Fuel Type: Electric~~
 - ~~a. 30 Amps~~
 - ~~b. 120/240 V~~
- ~~6. Control Type: Rotary-Mechanical~~
- ~~7. Washer:~~
 - ~~a. Wash Basket Type: Plastic~~
 - ~~b. Adaptive fill water levels~~
 - ~~c. Dispenser: Bleach and fabric softener~~
 - ~~d. Cycles: Twelve (12)~~
 - ~~e. Temperature: Six (6) levels~~
 - ~~8. Dryer~~
 - ~~a. Case Material: Steel~~
 - ~~b. Maximum Spin Speed: 750RPM~~
 - ~~c. Automatic Dry Control~~
 - ~~d. 3-way Exhaust (Rear; Left; Right)~~
 - ~~e. Cycles: Four (4)~~
 - ~~f. Temperature: Four (4) levels~~
- ~~9. Finish: White on White~~
- ~~10. Warranty: Five (5) year full parts and labor (Note: special warranty beyond manufacturer's standard one (1) year).~~

~~D. Laundry, Washer, Front Load~~

- ~~1. Basis of Design: Maytag, Model #MHW8200FW.~~
- ~~2. Capacity: 4.5 cu. Ft.~~
- ~~3. Electrical: 120v, 60Hz, 15A or 20A~~
- ~~4. ADA Compliant~~

~~E. Laundry, Dryer, Front Load~~

- ~~1. Basis of Design: Maytag, Model #MED8200FC~~
- ~~2. Capacity: 7.4 cu. Ft.~~
- ~~3. Electrical: 240v, 60Hz, 30A~~
- ~~4. ADA Compliant~~

Item AD2-3 **ADD** the following Paragraph to PART 2 - PRODUCTS:

"2.6 WASHER AND DRYER

- A. Laundry, Stacked Washer and Dryer:
 - 1. Basis of Design: GE Unitized Spacemaker.

2. Model #: GUD24ESSJWW.
 3. Dimensions: 23 3/4" w x 74 1/2" h x 27 1/4" d.
 4. Capacity: 2.0 cu. ft. (washer) and 4.4 cu. ft. (dryer)
 5. Fuel Type: Electric
 - a. 30 Amps
 - b. 120/240 V
 6. Control Type: Rotary-Mechanical
 7. Washer:
 - a. Wash Basket Type: Plastic
 - b. Adaptive fill water levels
 - c. Dispenser: Bleach and fabric softener
 - d. Cycles: Twelve (12)
 - e. Temperature: Six (6) levels
 8. Dryer
 - a. Case Material: Steel
 - b. Maximum Spin Speed: 750RPM
 - c. Automatic Dry Control
 - d. 3-way Exhaust (Rear;Left;Right)
 - e. Cycles: Four (4)
 - f. Temperature: Four (4) levels
 9. Finish: White on White
 10. Warranty: Five (5) year full parts and labor (Note: special warranty beyond manufacturer's standard one (1) year).
- B. Laundry, Washer, Front Load
1. Basis of Design: GE, Model # GFW48OSSKWW
 2. Capacity: 4.9 cu. Ft.
 3. Electrical: 120V/60Hz, 15A or 20A
 4. ADA Compliant
 5. Finish: White
 6. Warranty: Five (5) year full parts and labor and ten (10) year motor (Note: special warranty beyond manufacturer's standard one (1) year parts and labor).
- C. Laundry, Dryer, Front Load
1. Basis of Design: GE, Model # GFDL110EHWW
 2. Capacity: 7.0 cu. Ft.
 3. Electrical: 120V/240V, 5600W, 24A, 60Hz
 4. Long vent capability: 200 ft
 5. ADA Compliant
 6. Finish: White
 7. Warranty: Five (5) year full parts and labor and ten (10) year motor (Note: special warranty beyond manufacturer's standard one (1) year parts and labor)."

SECTION "11 40 00 - FOOD SERVICE EQUIPMENT"

Item AD2-4 **REPLACE** Article AM, Paragraph 2.7 LIST OF EQUIPMENT in its entirety with the following text:

AM. Item No. 1.044 Stacked Washer / Dryer
Quantity One (1)
Manufacturer General Electric
Model No. GTUP27OEM electric operated dryer
Size 23.75" x 27.325" x 74.5" high

Construction	Unitized space maker 2.2 DOE Cu. Ft Washer and 4.4 Cu. Ft. Dryer
Accessories	Installation per manufacturer requirements Flexible water disconnect per specific conditions
Services	(by respective trades) 120v/208v/1ph, 30 amp time delay fuse ½" CW, ½" HW 1-1/2" Indirect Waste

SECTION "23 64 26.20 - AIR COOLED ROTARY SCREW CHILLER"

Item AD2-5 **DELETE** this specification section in its entirety.

SECTION "23 64 26.20 - AIR COOLED PACKAGED CHILLER"

Item AD2-6 **CLARIFICATION**, this specification section to remain in the project.

SECTION "27 21 00 - LOCAL AREA NETWORK SYSTEM"

Item AD2-7 **DELETE** Article 1.1, Paragraph D.

Item AD2-8 **REVISE** Article 1.5, Paragraph A to read as follows:

- "A. Provide a complete and fully operational state of the art Category 6, Gigabit Ethernet (1000BaseT) Local Area Network (LAN) with connectivity to Owner's Wide Area Network (WAN). Include any and all interface equipment to supply a complete network with complete equipment connections necessary to form a complete "turnkey" network system as outlined in these specifications."

SECTION "27 41 02 - CLASSROOM AMPLIFICATION SYSTEM"

Item AD2-9 **ADD** Article 1.1, Paragraph C to read as follows:

- "C. The sound field systems specified herein, equipment only, shall be furnished by the DWT Contractor. The installation and labor, system branch circuiting and power branch circuiting shall remain in the Electrical Contract. The EC shall coordinate the wiring requirements, location requirements and installation requirements with the DWT Contractor, and provide the work required for a complete and operating system for the specific system being furnished."

REVISIONS TO THE DRAWINGS:

DRAWING "C1002 - EXISTING CONDITIONS PLAN"

Item AD2-10 **REPLACE** drawing in its entirety with attached "C1002 - EXISTING CONDITIONS PLAN." Revises existing sewer pipe size and material.

DRAWING "C1004 - DEMOLITION PLAN"

Item AD2-11 **REPLACE** drawing in its entirety with attached "C1004 - DEMOLITION PLAN." Include pipe abandonment in ROW in lieu of pipe removal. Reduce pavement removal associated with abandoned utilities.

DRAWING “C1101 – SITE MATERIALS PLAN”

Item AD2-12 **REPLACE** drawing in its entirety with attached “C1101 – SITE MATERIALS PLAN.” Remove pavement and curb restoration where existing utilities will be abandoned in the ROW.

DRAWING “C1102 – SITE LAYOUT PLAN”

Item AD2-13 **REPLACE** drawing in its entirety with attached “C1102 – SITE LAYOUT PLAN.” Remove pavement and curb restoration where existing utilities will be abandoned in the ROW.

DRAWING “C1301 – UTILITY PLAN”

Item AD2-14 **REPLACE** drawing in its entirety with attached “C1301 – UTILITY PLAN.” Various edits per Monroe County Pure Waters review.

DRAWING “C1607 – DETAILS”

Item AD2-15 **REPLACE** drawing in its entirety with attached “C1607 – DETAILS.” Add Monroe County Pure Waters required details.

DRAWING “HM1002 – SECOND FLOOR ABATEMENT PLAN”

Item AD2-16 **REMOVE** the following text from Abatement Keynote A8:

~~“ADD ALTERNATE:~~

~~THE AC SHALL PROVIDE AN ADD ALTERNATE (INCLUDE IN ADD ALTERNATE #HM-01) FOR THE FOLLOWING: PRIOR TO APPLYING (2) COATS OF PRIMER, THE AC SHALL MAKE (1) PASS WITH A PNEUMATIC DUSTLESS NEEDLE-GUN SCALER W/ HEPA VAC (ASSUME A +/- 1/16” LAYER) ON ALL EXPOSED CMU SURFACES WHERE TAR HAS BEEN REMOVED TO REMOVE ANY/ALL REMAINING TAR THAT MAY HAVE BEEN ABSORBED INTO THE CMU.”~~

Item AD2-17 **REMOVE** the following text from Abatement Keynote A9:

~~“ADD ALTERNATE:~~

~~THE AC SHALL PROVIDE AN ADD ALTERNATE (INCLUDE IN ADD ALTERNATE #HM-02) FOR THE FOLLOWING: PRIOR TO APPLYING EXTRACTION SOLVENT & SEALANT, THE AC SHALL MAKE (1) PASS WITH A PNEUMATIC DUSTLESS NEEDLE-GUN SCALER W/ HEPA VAC (ASSUME A +/- 1/16” LAYER) ON ALL EXPOSED CMU SURFACES WHERE CAULK HAS BEEN REMOVED TO REMOVE ANY/ALL REMAINING CAULK THAT MAY HAVE BEEN ABSORBED INTO THE CMU.”~~

DRAWING “S2003 – PARTIAL FIRST FLOOR FRAMING PLAN”

Item AD2-18 **ADD** attached sketch “AD2-S001 – PARTIAL 1ST FLOOR FRAMING PLAN – EVENT LOBBY STAIR.” Revises locations of the stair stringers.

DRAWING “S2005 – PARTIAL SECOND FLOOR AND ROOF FRAMING PLANS”

Item AD2-19 **REPLACE** drawing in its entirety with attached “S2005 – PARTIAL SECOND FLOOR AND ROOF FRAMING PLAN.” Revised top of steel elevations for the cafeteria and storage area south of gym and west entrance canopy; revised steel beam sizes over the chase north of cafeteria; revised steel beam and steel joist sizes in the cafeteria; revised steel beams sizes of bay window over east canopy; revised framing and deck over chase south of east canopy; revised deck edge dimensions at the storage roof,

cafeteria, and second floor; revised deck opening dimensions at elevator shaft and chase next to west staircase; and revised dimensions to beam north of grid line 7.3.

DRAWING “S2006 – PARTIAL SECOND FLOOR AND ROOF FRAMING PLANS”

Item AD2-20 **REPLACE** drawing in its entirety with attached “S2006 – PARTIAL SECOND FLOOR AND ROOF FRAMING PLAN.” Revised deck edge dimensions at the second floor and showing the extent of the existing roof reinforcing.

DRAWING “S2008 – PARTIAL ROOF FRAMING PLAN”

Item AD2-21 **REPLACE** the note “ADD SHORING NOTE” with “PROVIDE TEMPORARY SHORING AT EXISTING GIRDER BEAM DEMOLITION. DO NOT REMOVE SHORING UNTIL PERMANENT SUPPORTS ARE IN PLACE AND FINAL CONNECTIONS ARE MADE.”

DRAWING “S5001 – TYPICAL FOUNDATION DETAILS”

Item AD2-22 **DELETE** the following note from detail number 4:

~~“4. OWNERS GEOTECHNICAL CONSULTANT WILL CONFIRM OR MODIFY BEARING ELEVATIONS DURING CONSTRUCTION. THE CONTRACT PRICE WILL BE ADJUSTED ACCORDING TO THE AMOUNT OF EXISTING FILL REMOVED AND REPLACED USING THE UNIT PRICES INDICATED ON THE BID FORM.”~~

DRAWING “A1101 – FLOOR PLAN – LOWER LEVEL AREA B”

Item AD2-23 **CLARIFICATION**, the areaway to the west of Generator Room 005 shall be constructed with concrete, refer to structure drawings for additional information.

DRAWING “A1230 DOOR SCHEDULE AND FRAME TYPES”

Item AD2-24 **REVISE** doors 102-1 and 115B-1 as indicated below:

DOOR NO.	DOOR LEAFS	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR TYPE	DOOR MATERIAL - FINISH	FRAME TYPE	FRAME MATERIAL -FINISH	FRAME JAMB DETAIL	FRAME HEAD DETAIL	RATING (IN MINUTES)	GLAZING TYPE	HARDWARE GROUP
102-1	1	3'-0"	7'-0"	0'-1 ¾"	NL	WD-ST	F1	HM-PT	J1	H1	20	LG-2	E29
115B-1	1	3'-0"	7'-0"	0'-1 ¾"	HL	HM-SW	F2	HM-PT	J2	H2	-	LG-1	20

DRAWING “QF1302 FIRST FLOOR – CONNECTION POINT PLANS”

Item AD2-25 **ADD** attached sketch “AD2-QF001 – FIRST FLOOR – CONNECTION POINT PLANS.” Add plumbing, mechanical and electrical connections for laundry washer and dryer.

Item AD2-26 **ADD** attached sketch “AD2-QF002 – FIRST FLOOR – CONNECTION POINT PLANS.” Add plumbing, mechanical and electrical connections for food service equipment.

DRAWING “P1101 PROPOSED PARTIAL LOWER LEVEL AREA B PLUMBING PLAN”

Item AD2-27 **ADD** attached sketch “AD2-PO02 – REVISION TO SANITARY.” Add piping for laundry washer.

DRAWING “P1103 PROPOSED PARTIAL FIRST FLOOR AREA B PLUMBING PLAN”

Item AD2-28 **ADD** attached sketch “AD2-PO01 – REVISION TO PLUMBING.” Add piping for laundry washer.

DRAWING “H1202 – PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK”

- Item AD2-29 **ADD** attached sketch “AD2-H001 – PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK.” Revised the kitchen hood exhaust ductwork to add round elbows and cleanout locations. Add dryer exhaust ductwork and accessories.
- Item AD2-30 **ADD** attached sketches “AD2-H002 – PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK.” Revised the gymnasium return duct, grille and fire damper location.
- Item AD2-31 **ADD** attached sketch “AD2-H003 – PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK.” Revised the routing of 8" supply and return air ductwork.
- Item AD2-32 **ADD** attached sketch “AD2-H005 – PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK.” Add a duct smoke detector (DSD) and fire damper (FD).

DRAWING “H1203 – PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK”

- Item AD2-33 **ADD** attached sketch “AD2-H004 – PARTIAL FLOOR PLANS – HVAC DUCTWORK.” Add dryer exhaust ductwork and accessories.

DRAWING “1205 – PARTIAL SECOND FLOOR PLAN – HVAC DUCTWORK”

- Item AD2-34 **ADD** attached sketch “AD2-H004 – PARTIAL FLOOR PLANS – HVAC DUCTWORK.” Add dryer exhaust ductwork and accessories.

DRAWING “1207 – PARTIAL ROOF PLAN – HVAC”

- Item AD2-35 **ADD** attached sketch “AD2-H004 – PARTIAL FLOOR PLANS – HVAC DUCTWORK.” Add dryer exhaust ductwork and accessories.

DRAWING “H1300 – PARTIAL LOWER LEVEL PLAN – HVAC PIPING”

- Item AD2-36 **REPLACE** drawing in its entirety with attached “H1300 – PARTIAL LOWER LEVEL PLAN – HVAC PIPING.” Add piping anchors, guides and expansion loop to heating water piping.

DRAWING “H1301 – PARTIAL LOWER LEVEL PLAN – HVAC PIPING”

- Item AD2-37 **REPLACE** drawing in its entirety with attached “H1301 – PARTIAL LOWER LEVEL PLAN – HVAC PIPING.” Add piping anchors, guides and expansion loop to heating water piping.

DRAWING “H1302 – PARTIAL FIRST FLOOR PLAN – HVAC PIPING”

- Item AD2-38 **REPLACE** drawing in its entirety with attached “H1302 – PARTIAL FIRST FLOOR PLAN – HVAC PIPING.” Add piping anchors, guides and expansion loop to heating water piping. Revise cafeteria fin tube as shown. Revise HWS/R piping routing in corridor C102.

DRAWING “H1303 – PARTIAL FIRST FLOOR PLAN – HVAC PIPING”

- Item AD2-39 **REPLACE** drawing in its entirety with attached “H1303 – PARTIAL FIRST FLOOR PLAN – HVAC PIPING.” Add piping anchors, guides and expansion loop to heating water piping. Revise HWS/R piping routing in corridor C102.

DRAWING “H1304 – PARTIAL SECOND FLOOR PLAN – HVAC PIPING”

Item AD2-40 **REPLACE** drawing in its entirety with attached "H1304 - PARTIAL SECOND FLOOR PLAN - HVAC PIPING." Add piping anchors, guides and expansion loop to heating water piping.

DRAWING "H1306 - PARTIAL LOWER LEVEL PLAN - HVAC PIPING ALTERNATE NO. 01"

Item AD2-41 **REPLACE** drawing in its entirety with attached "H1306 - PARTIAL LOWER LEVEL PLAN - HVAC PIPING ALTERNATE NO. 01." Add piping anchors, guides and expansion loop to heating water piping.

DRAWING "H1307 - PARTIAL LOWER LEVEL PLAN - HVAC PIPING ALTERNATE NO. 01"

Item AD2-42 **REPLACE** drawing in its entirety with attached "H1307 - PARTIAL LOWER LEVEL PLAN - HVAC PIPING ALTERNATE NO. 01." Add piping anchors, guides and expansion loop to heating water piping.

DRAWING "H1600 - SCHEDULES - HVAC"

Item AD2-43 **ADD** attached sketch "AD2-H006 - SCHEDULE - HVAC." Revise the Pump Schedule.

DRAWING "E1200 - PARTIAL LOWER LEVEL PLAN - POWER AND SS - AREA A"

Item AD2-44 **ADD** attached sketch "AD2-E001 - PARTIAL LOWER LEVEL PLAN - POWER AND SS," adding and revising motor locations and associated notes and controls.

Item AD2-45 **ADD** Drawing Note 4 to read as follows:
"PROVIDE AS PART OF BASE BID, DELETE AS PART OF ALTERNATE #2."

Item AD2-46 **ADD** Drawing Note 5 to read as follows:
"PROVIDE AS PART OF ALTERNATE #1."

DRAWING "E1201 - PARTIAL LOWER LEVEL PLAN - POWER AND SS - AREA B"

Item AD2-47 **ADD** attached sketch "AD2-E007 - PARTIAL LOWER LEVEL PLAN - POWER AND SS," showing the water service location for electric service grounding.

DRAWING "E1202 - PARTIAL FIRST FLOOR PLAN - POWER AND SS - AREA A"

Item AD2-48 **ADD** attached sketch "AD2-E014 - PARTIAL FIRST FLOOR PLAN - POWER AND SS," adding a smoke damper, duct smoke detector, and remote test station.

DRAWING "E1203 - PARTIAL FIRST FLOOR PLAN - POWER AND SS - AREA B"

Item AD2-49 **ADD** attached sketch "AD2-E008 - PARTIAL FIRST FLOOR PLAN - POWER AND SS," adding and removing receptacles and associated circuiting and notes.

Item AD2-50 **ADD** Drawing Note 12 to read as follows:
"PROVIDE NEMA 14-30R RECEPTACLE."

DRAWING "E1300 - PARTIAL LOWER LEVEL PLAN - LIGHTING - AREA A"

Item AD2-51 **REVISE** the Drawing Note 1 bubbles with leaders pointing at the dashed line around rooms ST01, CO02, 008, 009, 010, and 011 to be Drawing Note 3.

Item AD2-52 **REVISE** the Drawing Note 2 bubble with leader pointing at the dashed line around room 007 to be Drawing Note 4.

Item AD2-53 **REVISE** General Note B in its entirety to read as follows:

"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS ON THIS DRAWING TO PANELBOARD HVPLS, CIRCUIT #1, UNLESS NOTED OTHERWISE. PROVIDE BRANCH CIRCUIT USING 2#12, 1#12G, 3/4"C."

Item AD2-54 **ADD** General Note C to read as follows:

"UNLESS OTHERWISE NOTED, ALL LIGHTING CIRCUITS TO BE 20A, 277V."

DRAWING "E1301 - PARTIAL LOWER LEVEL PLAN - LIGHTING - AREA B"

Item AD2-55 **ADD** General Note D to read as follows:

"UNLESS OTHERWISE NOTED, ALL LIGHTING CIRCUITS TO BE 20A, 277V."

Item AD2-56 **REVISE** General Note B in its entirety to read as follows:

"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS ON THIS DRAWING TO PANELBOARD HVPLS, CIRCUIT #1, UNLESS NOTED OTHERWISE. PROVIDE BRANCH CIRCUIT USING 2#12, 1#12G, 3/4"C."

DRAWING "E1302 - PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA A"

Item AD2-57 **ADD** General Note E to read as follows:

"UNLESS OTHERWISE NOTED, ALL LIGHTING CIRCUITS TO BE 20A, 277V."

Item AD2-58 **REVISE** General Note B in its entirety to read as follows:

"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS ON THIS DRAWING TO PANELBOARD HVPLS, CIRCUIT #3, UNLESS NOTED OTHERWISE. PROVIDE BRANCH CIRCUIT USING 2#10, 1#10G, 3/4"C."

Item AD2-59 **REVISE** General Note C in its entirety to read as follows:

"ALL 277V EXTERIOR EMERGENCY POWER L7 AND L9 LUMINAIRES SHALL BE CONNECTED TO PANELBOARD HVPLS, CIRCUIT #9, AND CONTROLLED BY THE EXTERIOR LIGHTING CONTROL CONTACTOR. PROVIDE BRANCH CIRCUIT USING 2#10, 1#10G, 3/4"C."

Item AD2-60 **REVISE** General Note D in its entirety to read as follows:

"ALL 277V EXTERIOR NORMAL POWER L6, L7, L10, AND L11 LUMINAIRES SHALL BE CONNECTED TO PANELBOARD HVPBR, CIRCUIT #3, AND CONTROLLED BY THE EXTERIOR LIGHTING CONTROL CONTACTOR. PROVIDE BRANCH CIRCUIT USING 2#10, 1#10G, 3/4"C."

Item AD2-61 **REVISE** Drawing Note 12 in its entirety to read as follows:

"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS IN THIS AREA TO PANELBOARD HVPLS, CIRCUIT #1. PROVIDE BRANCH CIRCUIT USING 2#12, 1#12G, 3/4"C."

DRAWING "E1303 - PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA B"

Item AD2-62 **ADD** General Note D to read as follows:

"UNLESS OTHERWISE NOTED, ALL LIGHTING CIRCUITS TO BE 20A, 277V."

Item AD2-63 **REVISE** General Note B in its entirety to read as follows:

"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS ON THIS DRAWING TO PANELBOARD HVPLS, CIRCUIT #5, UNLESS NOTED OTHERWISE. PROVIDE BRANCH CIRCUIT USING 2#10, 1#10G, 3/4"C."

Item AD2-64 **REVISE** General Note C in its entirety to read as follows:

"ALL 277V EXTERIOR EMERGENCY POWER L9 AND L16 LUMINAIRES SHALL BE CONNECTED TO PANELBOARD HVPLS, CIRCUIT #9, AND CONTROLLED BY THE EXTERIOR LIGHTING CONTROL CONTACTOR. PROVIDE BRANCH CIRCUIT USING 2#10, 1#10G, 3/4"C."

Item AD2-65 **REVISE** Drawing Note 6 in its entirety to read as follows:

"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS IN THIS AREA TO PANELBOARD HVPLS, CIRCUIT #1. PROVIDE BRANCH CIRCUIT USING 2#12, 1#12G, 3/4"C."

DRAWING "E1304 - PARTIAL SECOND FLOOR PLAN - LIGHTING - AREA A"

- Item AD2-66 **ADD** General Note C to read as follows:
"UNLESS OTHERWISE NOTED, ALL LIGHTING CIRCUITS TO BE 20A, 277V."
- Item AD2-67 **REVISE** General Note B in its entirety to read as follows:
"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS ON THIS DRAWING TO PANELBOARD HVPLS, CIRCUIT #7, UNLESS NOTED OTHERWISE. PROVIDE BRANCH CIRCUIT USING 2#10, 1#10G, 3/4"C."
- Item AD2-68 **REVISE** Drawing Note 3 in its entirety to read as follows:
"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS IN THIS AREA TO PANELBOARD HVPLS, CIRCUIT #1. PROVIDE BRANCH CIRCUIT USING 2#12, 1#12G, 3/4"C."
- Item AD2-69 **ADD** Drawing Note 7 to read as follows:
"MOUNT FIXTURE 8' AFF."
- Item AD2-70 **ADD** attached sketch "AD2-E002 - PARTIAL SECOND FLOOR PLAN - LIGHTING," revising lighting and associated drawing notes in Stair ST01.

DRAWING "E1305 - PARTIAL SECOND FLOOR PLAN - LIGHTING - AREA B"

- Item AD2-71 **ADD** General Note C to read as follows:
"UNLESS OTHERWISE NOTED, ALL LIGHTING CIRCUITS TO BE 20A, 277V."
- Item AD2-72 **REVISE** General Note B in its entirety to read as follows:
"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS ON THIS DRAWING TO PANELBOARD HVPLS, CIRCUIT #7, UNLESS NOTED OTHERWISE. PROVIDE BRANCH CIRCUIT USING 2#10, 1#10G, 3/4"C."
- Item AD2-73 **REVISE** Drawing Note 5 in its entirety to read as follows:
"CONNECT ALL 277V EMERGENCY POWER LIGHTING, NIGHT LIGHTING, EXIT SIGNS, AND AREA OF REFUGE SIGNS IN THIS AREA TO PANELBOARD HVPLS, CIRCUIT #1. PROVIDE BRANCH CIRCUIT USING 2#12, 1#12G, 3/4"C."
- Item AD2-74 **ADD** Drawing Note 7 to read as follows:
"MOUNT FIXTURE 8' AFF."
- Item AD2-75 **ADD** attached sketch "AD2-E003 - PARTIAL SECOND FLOOR PLAN - LIGHTING," revising lighting and associated drawing notes in Stairs ST02, ST03, and ST04.

DRAWING "E1502 - SITE PLAN - ELECTRICAL"

- Item AD2-76 **ADD** attached sketch "AD2-E004 - PARTIAL SITE PLAN - ELECTRICAL," adding lighting and associated circuit routing.
- Item AD2-77 **REVISE** General Note B in its entirety to read as follows:
"ALL 277V NORMAL POWER SITE LIGHTING SHALL BE CONNECTED TO PANELBOARD HVPBR, 20A CIRCUIT #5, AND CONTROLLED BY THE EXTERIOR LIGHTING CONTROL CONTACTOR. PROVIDE BRANCH CIRCUIT USING 2#8, 1#8G, 1"C."
- Item AD2-78 **ADD** attached sketch "AD2-E009 - PARTIAL SITE PLAN - ELECTRICAL," adding the electrode ground grid location.

DRAWING "E1604 - DETAILS - ELECTRICAL"

Item AD2-79 **ADD** attached sketch "AD2-E010 - DETAILS - ELECTRICAL," adding the service entrance grounding detail.

DRAWING "E1700 - ELECTRICAL SCHEDULES"

Item AD2-80 **ADD** attached sketch "AD2-E005 - PANELBOARD SCHEDULE," revising the panelboard schedule.

DRAWING "E1701 - ELECTRICAL SCHEDULES"

Item AD2-81 **ADD** attached sketch "AD2-E006 - ELECTRIC EQUIPMENT AND CONTROL SCHEDULE," revising the electrical equipment schedule.

DRAWING "T1202 - PARTIAL FIRST FLOOR PLAN - DWT - AREA A"

Item AD2-82 **ADD** attached sketch "AD2-E011 - PARTIAL FIRST FLOOR PLAN - DWT," adding wireless access points.

Item AD2-83 **ADD** attached sketch "AD2-E012 - PARTIAL FIRST FLOOR PLAN - DWT," adding wireless access points.

Item AD2-84 **ADD** attached sketch "AD2-E013 - PARTIAL FIRST FLOOR PLAN - DWT," adding wireless access points.

ATTACHMENTS:

DRAWINGS:

CIVIL

C1002	EXISTING CONDITIONS PLAN
C1004	DEMOLITION PLAN
C1101	SITE MATERIALS PLAN
C1102	SITE LAYOUT PLAN
C1301	UTILITY PLAN
C1607	DETAILS

STRUCTURAL

S2005	PARTIAL SECOND FLOOR AND ROOF FRAMING PLAN
S2006	PARTIAL SECOND FLOOR AND ROOF FRAMING PLAN

MECHANICAL

H1300	PARTIAL LOWER LEVEL PLAN - HVAC PIPING
H1301	PARTIAL LOWER LEVEL PLAN - HVAC PIPING
H1302	PARTIAL FIRST FLOOR PLAN - HVAC PIPING
H1303	PARTIAL FIRST FLOOR PLAN - HVAC PIPING
H1304	PARTIAL SECOND FLOOR PLAN - HVAC PIPING
H1306	PARTIAL LOWER LEVEL PLAN - HVAC PIPING ALTERNATE NO. 01
H1307	PARTIAL LOWER LEVEL PLAN - HVAC PIPING ALTERNATE NO. 01

SKETCHES:

STRUCTURAL

AD2-S001 PARTIAL 1ST FLOOR FRAMING PLAN – EVENT LOBBY STAIR

FOOD SERVICE

AD2-QF001 FIRST FLOOR – CONNECTION POINT PLANS

AD2-QF002 FIRST FLOOR – CONNECTION POINT PLANS

PLUMBING

AD2-PO01 REVISION TO PLUMBING

AD2-PO02 REVISION TO SANITARY

MECHANICAL

AD2-H001 PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK

AD2-H002 PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK

AD2-H003 PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK

AD2-H004 PARTIAL FLOOR PLANS – HVAC DUCTWORK

AD2-H005 PARTIAL FIRST FLOOR PLAN – HVAC DUCTWORK

AD2-H006 SCHEDULE – HVAC

ELECTRICAL

AD2-E001 PARTIAL LOWER LEVEL PLAN - POWER AND SS

AD2-E002 PARTIAL SECOND FLOOR PLAN – LIGHTING

AD2-E003 PARTIAL SECOND FLOOR PLAN – LIGHTING

AD2-E004 PARTIAL SITE PLAN – ELECTRICAL

AD2-E005 PANELBOARD SCHEDULE

AD2-E006 ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

AD2-E007 PARTIAL LOWER LEVEL PLAN - POWER AND SS

AD2-E008 PARTIAL FIRST FLOOR PLAN - POWER AND SS

AD2-E009 PARTIAL SITE PLAN – ELECTRICAL

AD2-E010 DETAILS – ELECTRICAL

DISTRICT WIDE TECHNOLOGY

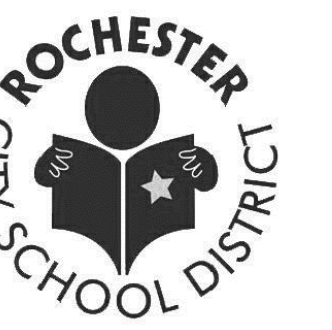
AD2-E011 PARTIAL FIRST FLOOR PLAN – DWT

AD2-E012 PARTIAL FIRST FLOOR PLAN – DWT

AD2-E013 PARTIAL FIRST FLOOR PLAN – DWT

AD2-E014 PARTIAL FIRST FLOOR PLAN – POWER AND SS

End of Addendum No. 2



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DR. WALTER COOPER, SCHOOL #10

SCHOOL 10
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ROCHESTER, NEW YORK 14619

SED Control No. 26-16-00-01-0-037-021

Key Plan



SEI
design group

585.442.7010 - 224 Mill St. - Rochester, NY 14614
518.435.2467 - 187 Well Rd. - Sutte 304 - Albany, NY 12205
607.304.4550 - 2 Court St., Suite 404 - Binghamton, NY 13901



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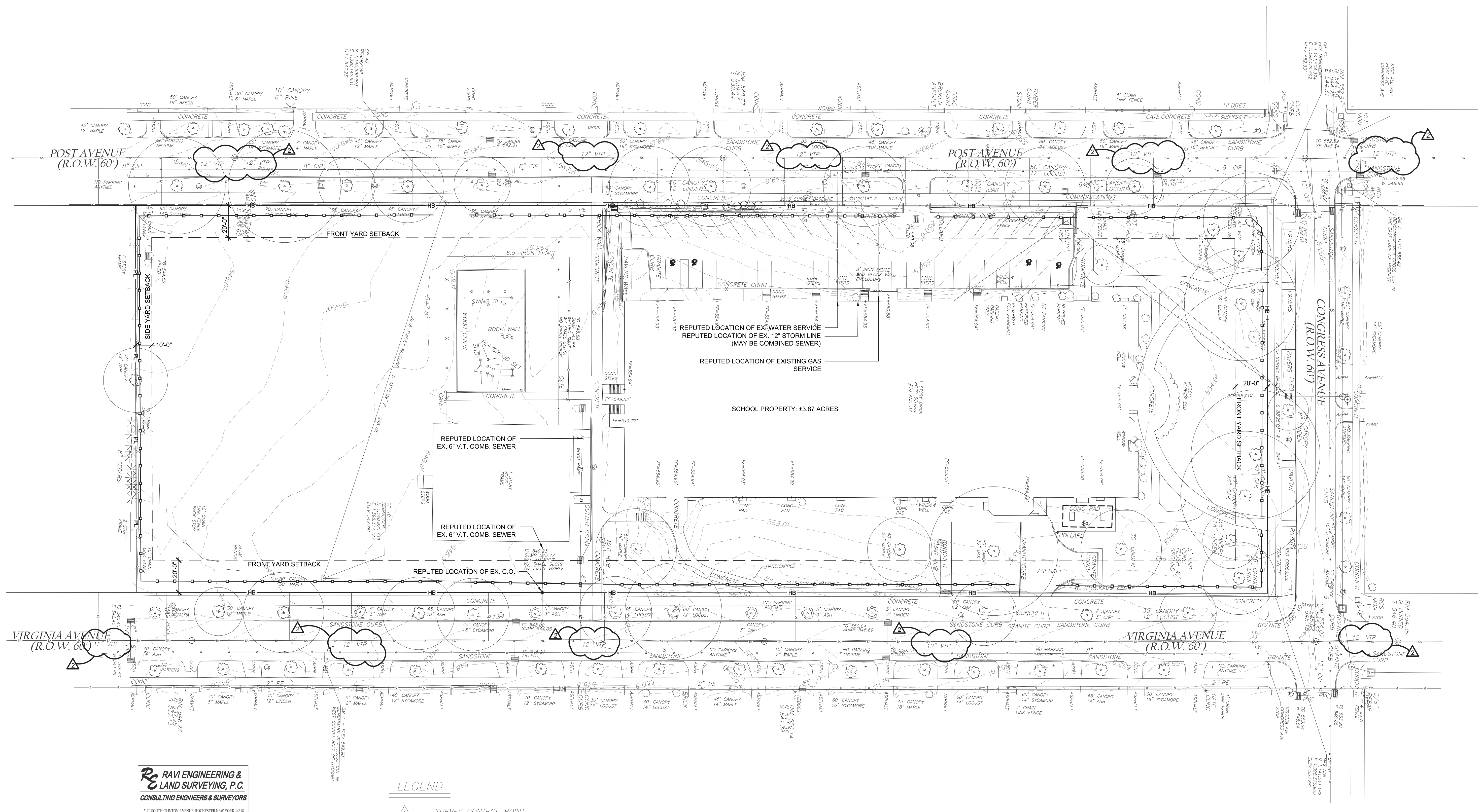
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BID DOCUMENTS

Date **02/05/2018** SEI Project No. **17-3016**
Revisions
02/28/2018 BID ADDENDUM #2

EXISTING CONDITIONS PLAN

C1002

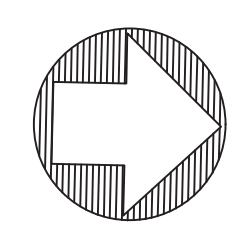
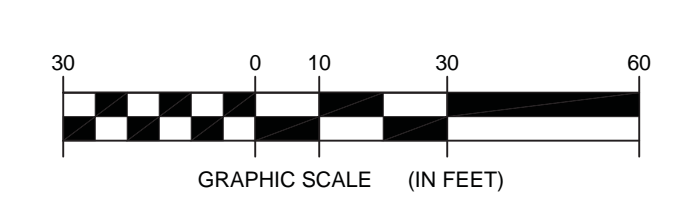


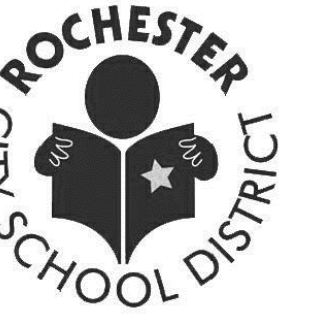
RAVI ENGINEERING & LAND SURVEYING, P.C.
CONSULTING ENGINEERS & SURVEYORS
210 NORTH GARDEN AVENUE, ROCHESTER, NEW YORK 14611
TEL: (585) 233-3660 FAX: (585) 490-1764

SURVEY NOTES:
UNITS OF MEASURE: US SURVEY FEET
HORIZONTAL COORDINATE SYSTEM: CITY OF ROCHESTER
VERTICAL COORDINATE SYSTEM: N.A.V.D. 88
SURVEY FIELD WORK COMPLETED ON 10/20/2015 BY RAVI ENGINEERING & LAND SURVEYING.
SUPPLEMENTAL SURVEY FIELDWORK COMPLETED ON 8/8/2017 BY RAVI ENGINEERING & LAND SURVEYING WITH CLEAR SITE CONDITIONS.
SURVEY REFERENCES:
-CITY OF ROCHESTER TAX MAP# 135.40
-ROCHESTER CITY SURVEY DISTRICT MAPS: DISTRICT 25 MAP 29 DISTRICT 25 MAP 30
UTILITY REFERENCES:
BUCKEYE PIPELINE COMPANY CLEAR
CITY OF ROCHESTER WATER DEPARTMENT PLOTTED
FIBER TECHNOLOGIES, LLC NO RESPONSE
FRONTIER TELEPHONE OF ROCHESTER NO RESPONSE
MONROE COUNTY PURE WATERS PLOTTED
ROCHESTER GAS AND ELECTRIC GENERAL ELECTRIC PLOTTED
ROCHESTER GAS AND ELECTRIC GENERAL GAS PLOTTED
TIME WARNER CABLE | ROCHESTER NO RESPONSE

LEGEND

- △ SURVEY CONTROL POINT
- SURVEY BENCHMARK
- UTILITY LIGHT POLE
- UTILITY POLE
- PEDESTRIAN LIGHT POLE
- POST
- FLAG POLE
- SIGN
- * CONFEROUS SHRUB
- TREE STUMP
- DECIDUOUS SHRUB
- DECIDUOUS TREE
- * CONFEROUS TREE
- UTILITY ELECTRIC METER
- UTILITY ELECTRIC MANHOLE
- UTILITY SANITARY MANHOLE
- UTILITY TELEPHONE MANHOLE
- UTILITY DRAINAGE MANHOLE
- UTILITY UNKNOWN MANHOLE
- UTILITY DRAINAGE CATCHBASIN
- UTILITY FIRE HYDRANT
- UTILITY WATER VALVE
- UTILITY UNKNOWN VALVE
- UTILITY VENT
- UTILITY PULLBOX
- LANDSCAPE BOULDER
- - - MAJOR CONTOUR
- - - MINOR CONTOUR





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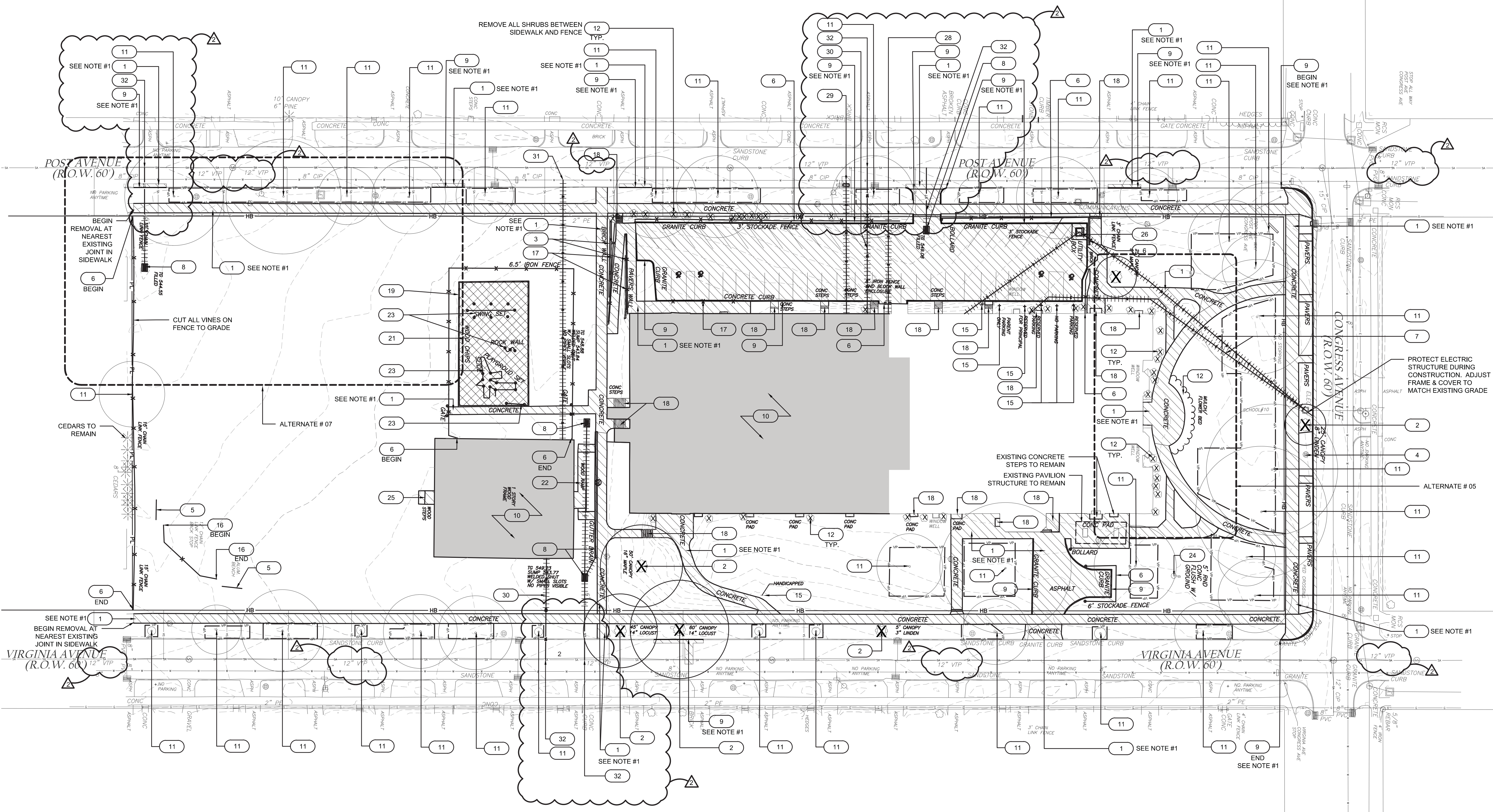
BID DOCUMENTS

Date 02/05/2018 SEI Project No. 17-3016

Revisions
02/28/2018 BID ADDENDUM #2

DEMOLITION PLAN

C1004



SITE DEMOLITION REFERENCE NOTES			
1	REMOVE PAVEMENT & AGGREGATE BASE	11	EXISTING TREE TO REMAIN
2	REMOVE TREE	12	REMOVE VEGETATION
3	REMOVE SITE WALL & FOOTINGS	13	NOT USED
4	SALVAGE SITE LIGHT FOR RE-USE ON SITE	14	NOT USED
5	REMOVE BENCH & CONCRETE FOOTINGS	15	SALVAGE SIGN FOR REUSE ON SITE. REMOVE POST & CONCRETE FOOTINGS.
6	REMOVE ALL FENCING AND GATES INCLUDING CONCRETE, MOW STRIP & FOOTINGS	16	REMOVE CHAINLINK BACKSTOP & CONCRETE FOOTINGS
7	REMOVE ELECTRIC LINE	17	REMOVE HANDRAIL & CONCRETE FOOTINGS
8	REMOVE STORM STRUCTURE & PIPE	18	REMOVE CONCRETE STEPS, HANDRAILS & CONCRETE FOOTINGS
9	REMOVE STONE CURB OR CONCRETE CURB	19	REMOVE TIMBER CURB AND METAL ANCHORING PINS
10	BUILDING DEMOLITION BY OTHERS SEE ARCH PLANS	20	NOT USED
		21	REMOVE WOOD CHIP SURFACE
		22	REMOVE WOOD RAMP & FOOTINGS
		23	REMOVE PLAYGROUND EQUIPMENT & CONCRETE FOOTINGS
		24	REMOVE FLAGPOLE & FOOTING
		25	REMOVE WOOD STEPS, DECK, & FOOTINGS
		26	REMOVE UTILITY BOX & BOLLARDS
		27	NOT USED
		28	REMOVE GAS SERVICE
		29	CUT AND REMOVE EXISTING TEE AND INSTALL INSERTION SLEEVE
		30	REMOVE SANITARY SEWER PIPE
		31	ROCHESTER WATER BUREAU WILL ABANDON EXISTING SANITARY LATERAL
		32	STORM & SANITARY LATERAL SHALL BE ABANDONED WITHIN THE R.O.W. PER MCPW DETAIL 5.01

ALTERNATES

ALTERNATE NO. 05, CONTRACT #1 - SITE PLANTINGS

BASE BID SCOPE: PROVIDE ALL SITE WORK SHOWN ON THE "C" SERIES DRAWINGS, EXCEPT DEMOLITION OF THE PLANTINGS IN PLANTING AREA NUMBER 2 (EXISTING PLANTING TO REMAIN).

ALTERNATE SCOPE: DEMOLITION ALL PLANTINGS INDICATED IN PLANTING AREA NUMBER 2 AND PROVIDE ALL NEW PLANTINGS SCHEDULED ON "C" SERIES DRAWINGS.

ALTERNATE NO. 06, CONTRACT #1 - SITE DECORATIVE FENCING

BASE BID SCOPE: PROVIDE CHAIN LINK FENCING AS INDICATED ON THE "C" SERIES DRAWINGS AND DECORATIVE METAL FENCING AND CONCRETE MOW STRIP WEST OF THE NORTH PARKING LOT, AND AROUND BOTH PLAYGROUND AREAS.

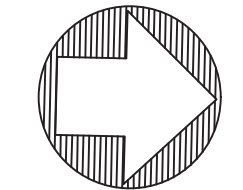
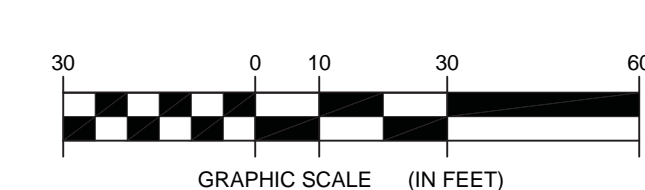
ALTERNATE SCOPE: PROVIDE DECORATIVE METAL FENCING AND CONCRETE MOW STRIP IN ADDITION TO BASE BID CHAIN LINK FENCE AND BASE BID DECORATIVE METAL FENCE. (PER "C" DRAWINGS)

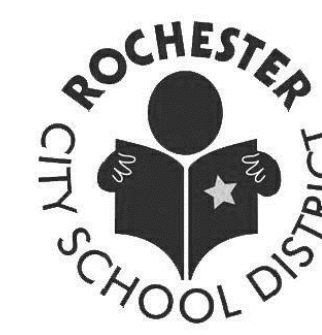
ALTERNATE NO. 07, CONTRACT #1 - SOUTH PARKING LOT

BASE BID SCOPE: PROVIDE STORM WATER INFRASTRUCTURE, TOPSOIL, GRADE AND SEED AREA SOUTH OF THE PLAYGROUND. (AT SCHEDULED SOUTH LOT)

ALTERNATE SCOPE: PROVIDE SOUTH PARKING LOT, INCLUDING BUT NOT LIMITED TO: DEMOLITION OF CURB TO PROVIDE NEW CURB CUT LOCATIONS, GRADING, ADJUSTING DRAINAGE STRUCTURE RIMS AS REQUIRED TO MEET FINISHED GRADE, CURBING, ASPHALT PAVEMENT AS DETAILED, ALL STRIPING, DECORATIVE METAL FENCING AND CONCRETE MOW STRIP WEST OF THE SOUTH PARKING LOT, CONCRETE WALK AS DETAILED AND SITE LIGHTS.

- NOTES:**
- COORDINATE CURB & SIDEWALK DEMOLITION LOCATIONS WITH PROPOSED SITE IMPROVEMENTS. SEE DRAWING C1102 - SITE LAYOUT PLAN.
 - PRIOR TO COMMENCEMENT OF ANY SITE WORK, THE CONTRACTOR SHALL CALL FOR UTILITY STAKE OUT OF ALL PUBLIC AND PRIVATE UTILITIES ON SITE AND OFF SITE WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL PROVIDE A DRAWING SHOWING THE CONFIRMED LOCATIONS OF ALL UTILITIES AND INCLUDE THE DATES OF ALL STAKEOUTS AND EXPLORATIONS.





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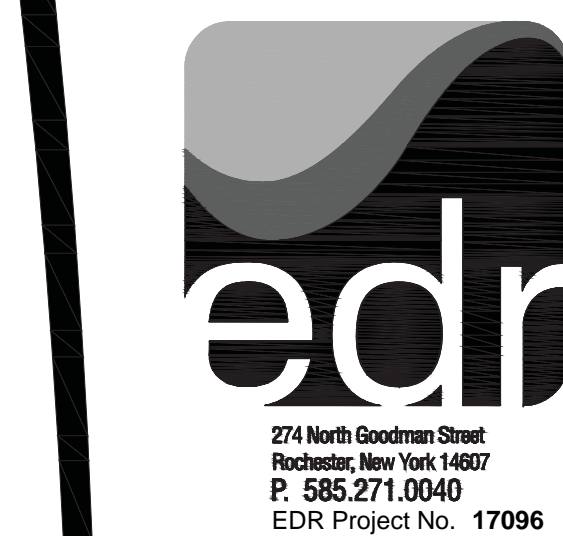
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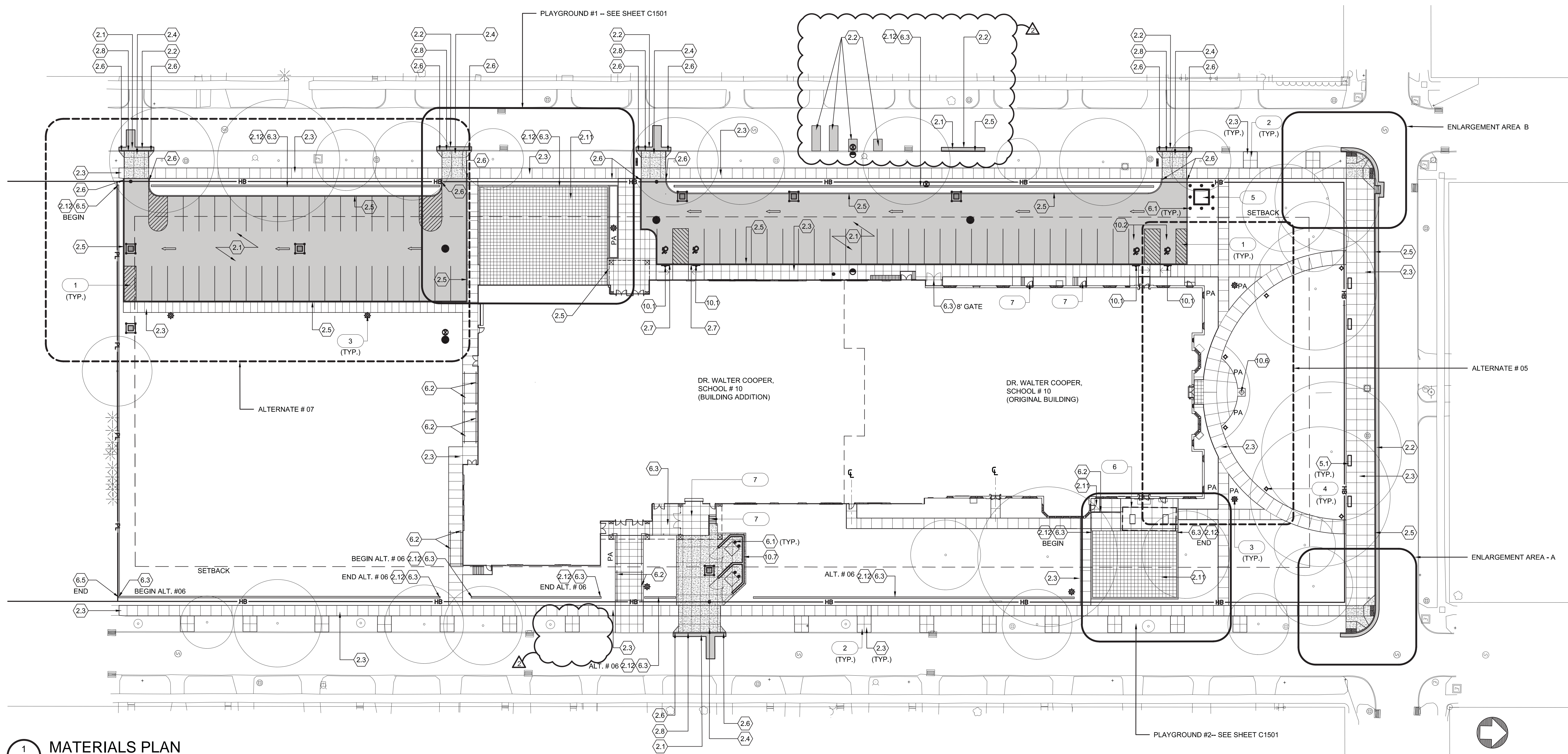


BID DOCUMENTS

Date **02/05/2018** SEI Project No. **17-3016**
Revisions
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SITE MATERIALS PLAN

C1101



1 MATERIALS PLAN
Scale: 1" = 30'

SITE DETAIL KEYNOTES:

2	PAVEMENTS, RAMPS, CURBS	DETAIL #	SHEET #	SPEC SECTION
2.1	Asphalt Pavement - Medium Duty	1	C1602	321216
2.2	Asphalt Pavement - Match Existing in ROW	1.2	C1602	321216
2.3	Concrete Sidewalk	3,4,5,6	C1602	321313
2.4	Concrete Driveway	3,4,5,6,9	C1602	321313
2.5	Stone Curb	8	C1602	321613
2.6	Stone Curb Transition - 3'	7.8	C1602	321613
2.7	Stone Curb Transition - 6'	7.8	C1602	321613
2.8	Stone Curb - Header	8	C1602	321613
2.9	Stone Curb - Flush	8	C1602	321400
2.10	Tactile Warning Surface	1.2	C1603	321726
2.11	Resilient Surface	10	C1602	321816
2.12	Concrete Mow Strip	11	C1602	321313
2.13	Bench Footing	12	C1602	033053

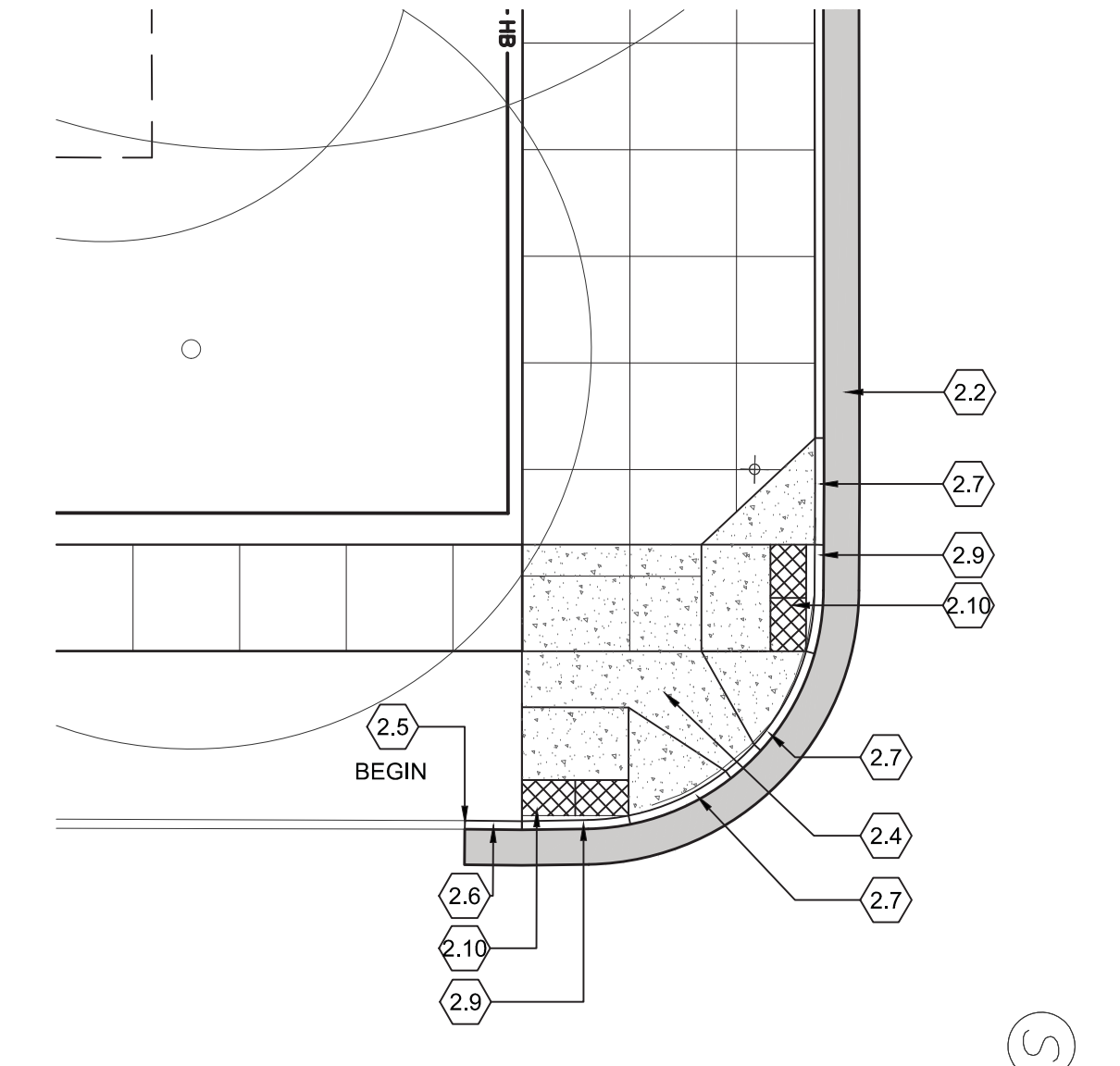
5	SITE FURNISHINGS	DETAIL #	SHEET #	SPEC SECTION
5.1	Bench	NA	NA	129300

6	RAILINGS, BARRIERS, AND FENCING	DETAIL #	SHEET #	SPEC SECTION
6.1	Steel Bollard	3	C1603	129300
6.2	Hand Rail	4.5	C1603	055213
6.3	4' Decorative Metal Fence / Gate	6	C1603	323119
6.4	8' Chain Link Fence / Gate	7	C1603	323113
6.5	Temporary 8' Chain Link Construction Fence / Gate	7	C1603	323113

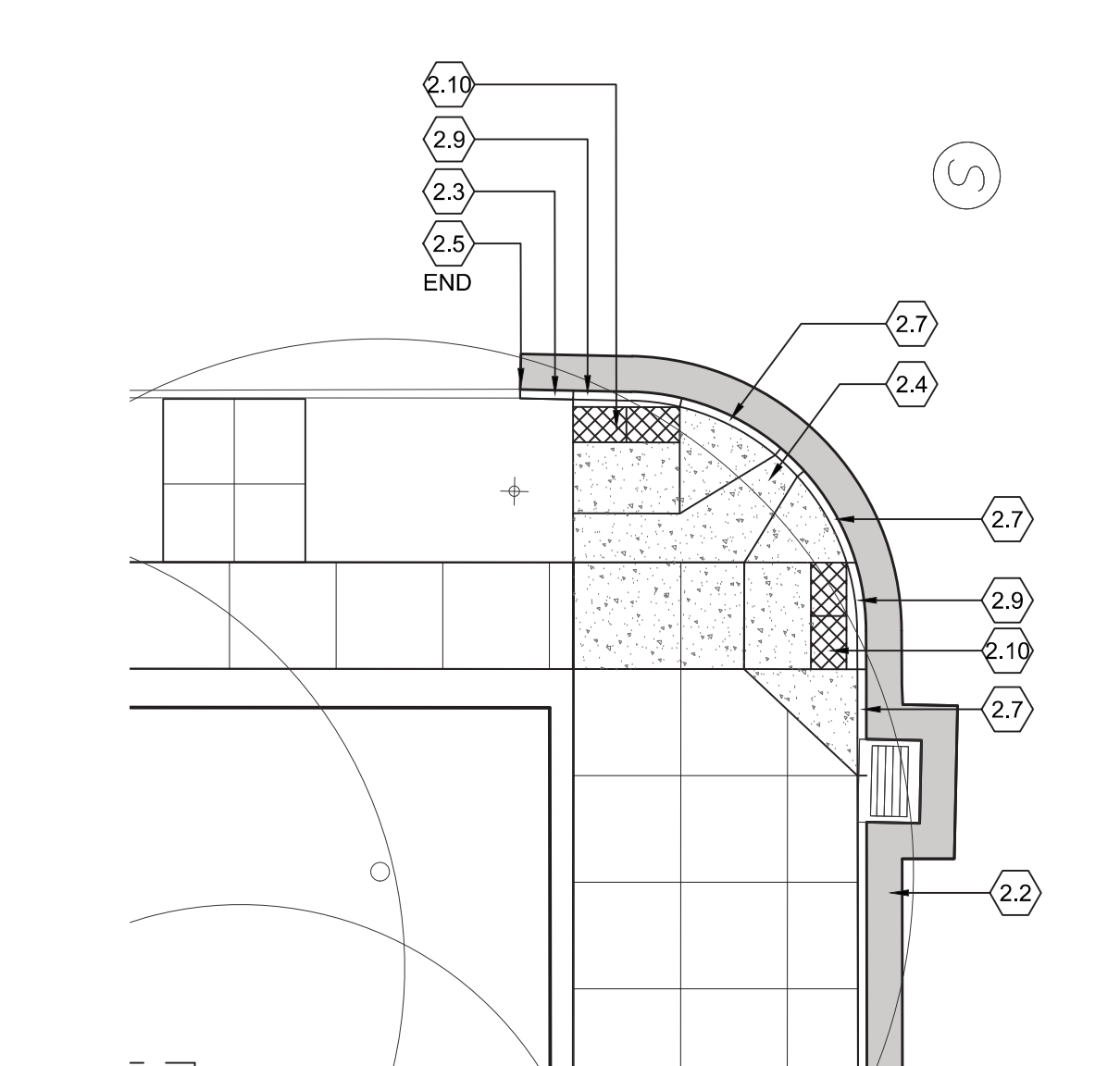
10	MISCELLANEOUS ELEMENTS	DETAIL #	SHEET #	SPEC SECTION
10.1	ADA Parking Signs	14	C1603	101453
10.2	ADA Parking Spaces	9	C1603	321723
10.3	One Way Sign	14	C1603	101453
10.4	Principal Parking	14	C1603	101453
10.5	Parent Parking	14	C1603	101453
10.6	Flagpole	10	C1603	107516
10.7	Dumpster Enclosure	11,12,13	C1603	323519

SITE MATERIAL REFERENCE NOTES:

- PA PLANTING AREA
- 1 NO PARKING ZONE STRIPING
- 2 BUS STOP LANDING PAD
- 3 AREA LIGHT -- SEE ELECTRICAL DRAWINGS
- 4 BOLLARD LIGHT -- SEE ELECTRICAL DRAWINGS
- 5 ELECTRIC TRANSFORMER -- SEE ELECTRICAL DRAWINGS
- 6 EXISTING PAVILION: TO REMAIN
- 7 LANDING & STAIRS - SEE ARCH. DRAWINGS



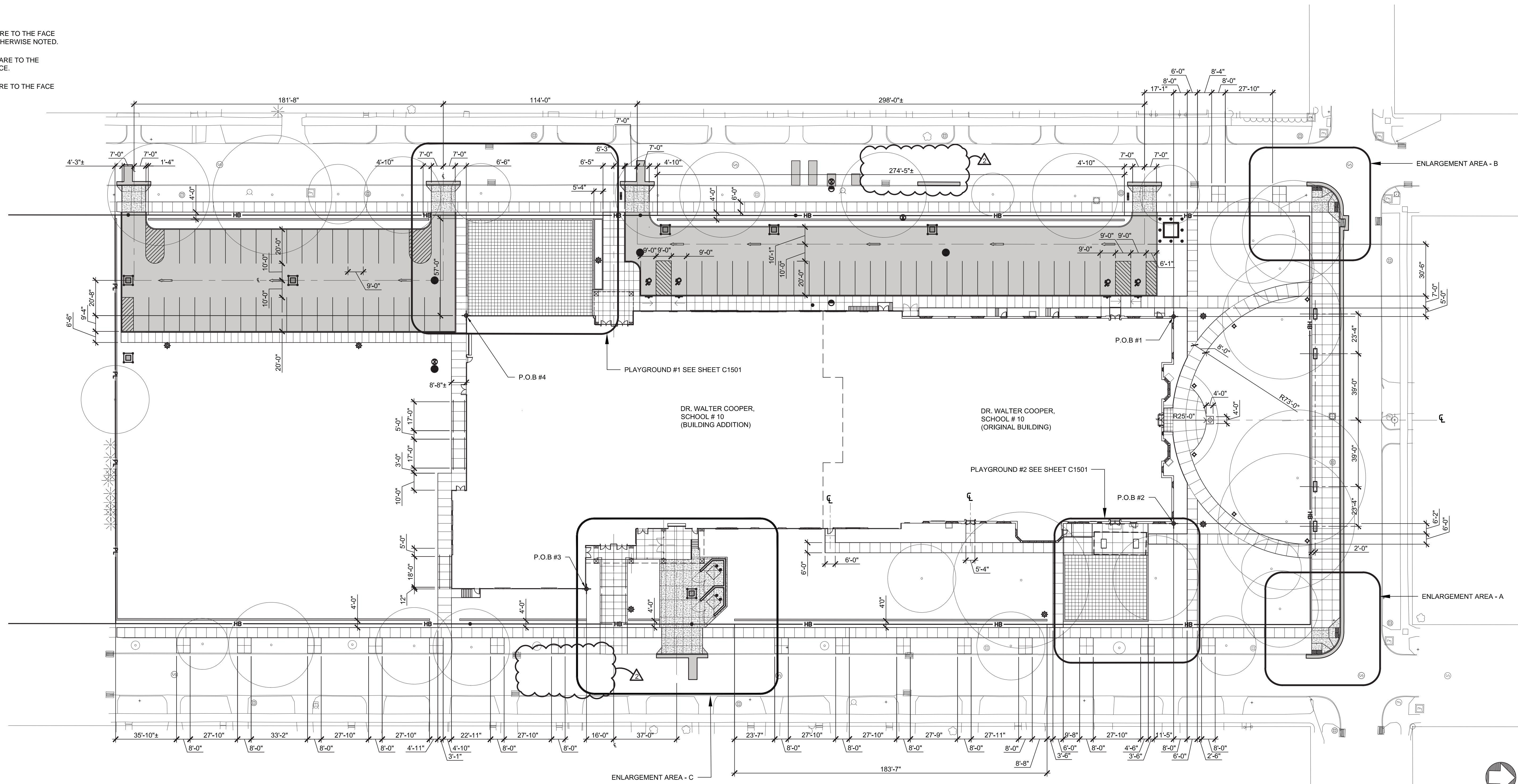
2 ENLARGEMENT AREA - A
Scale: 1" = 10'



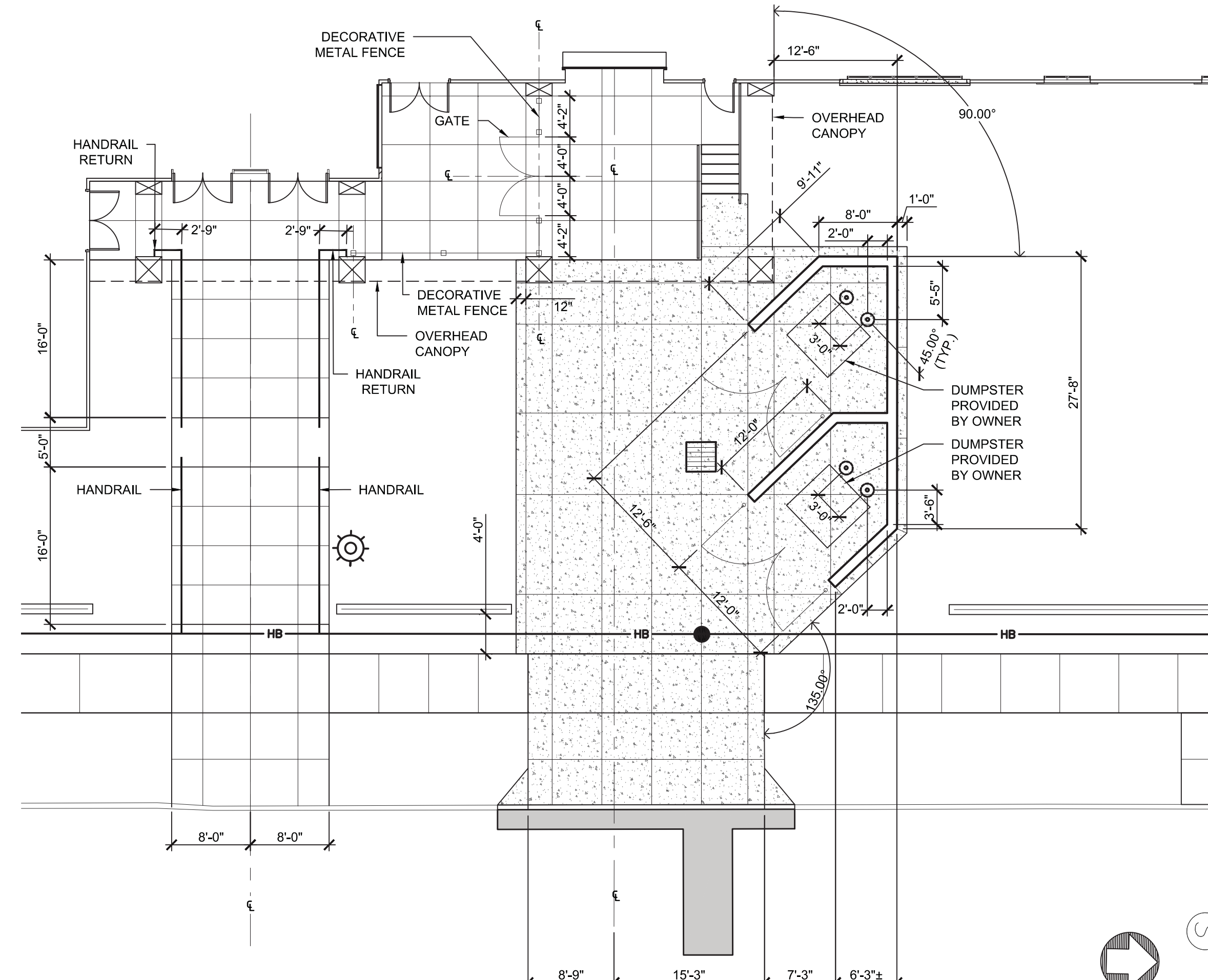
3 ENLARGEMENT AREA - B
Scale: 1" = 10'

GENERAL NOTES:

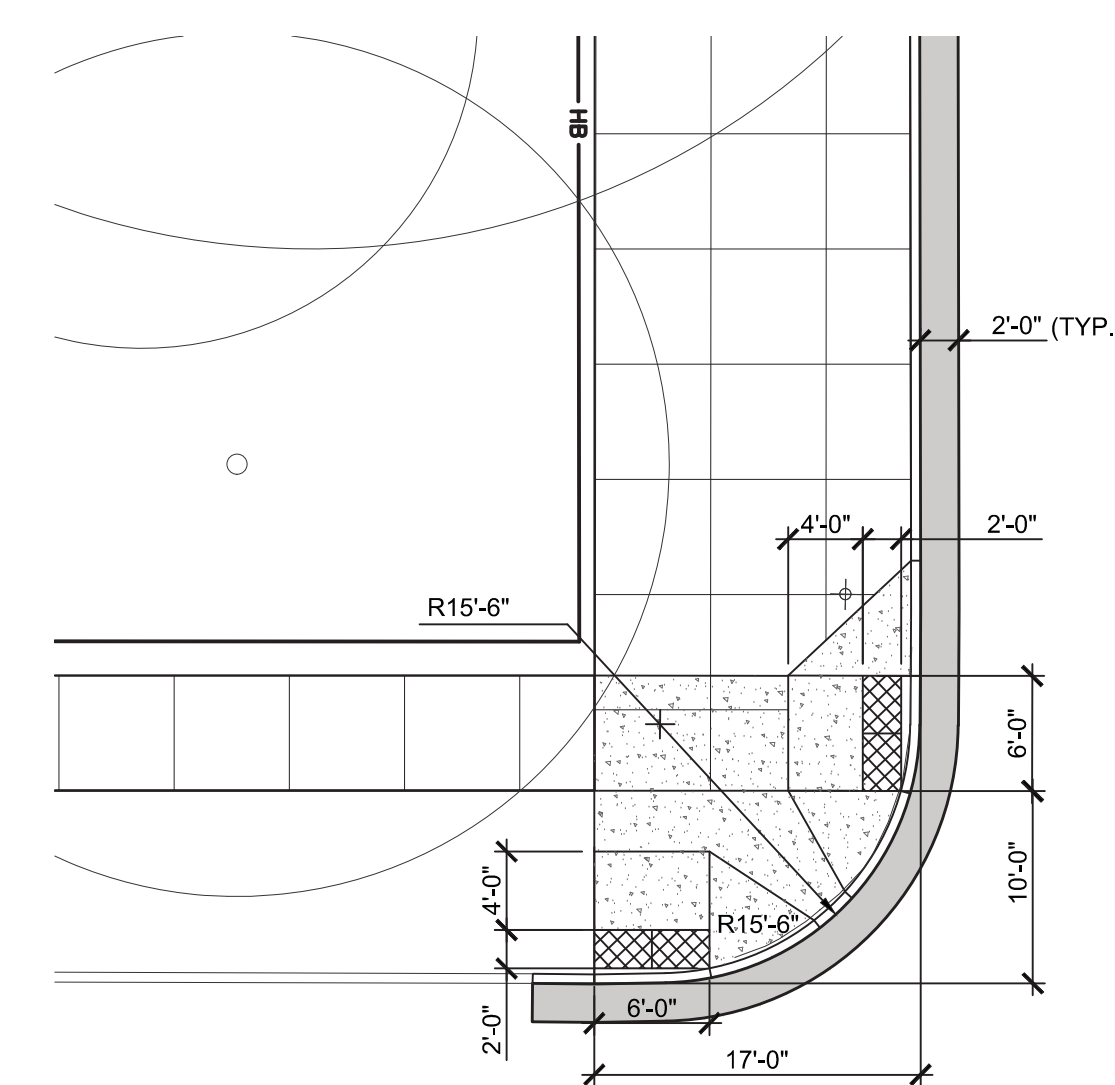
- 1 DIMENSIONS TO CURBS ARE TO THE FACE OF THE CURB UNLESS OTHERWISE NOTED.
- 2 DIMENSIONS TO FENCES ARE TO THE CENTERLINE OF THE FENCE.
- 3 DIMENSIONS TO WALLS ARE TO THE FACE OF THE WALL.



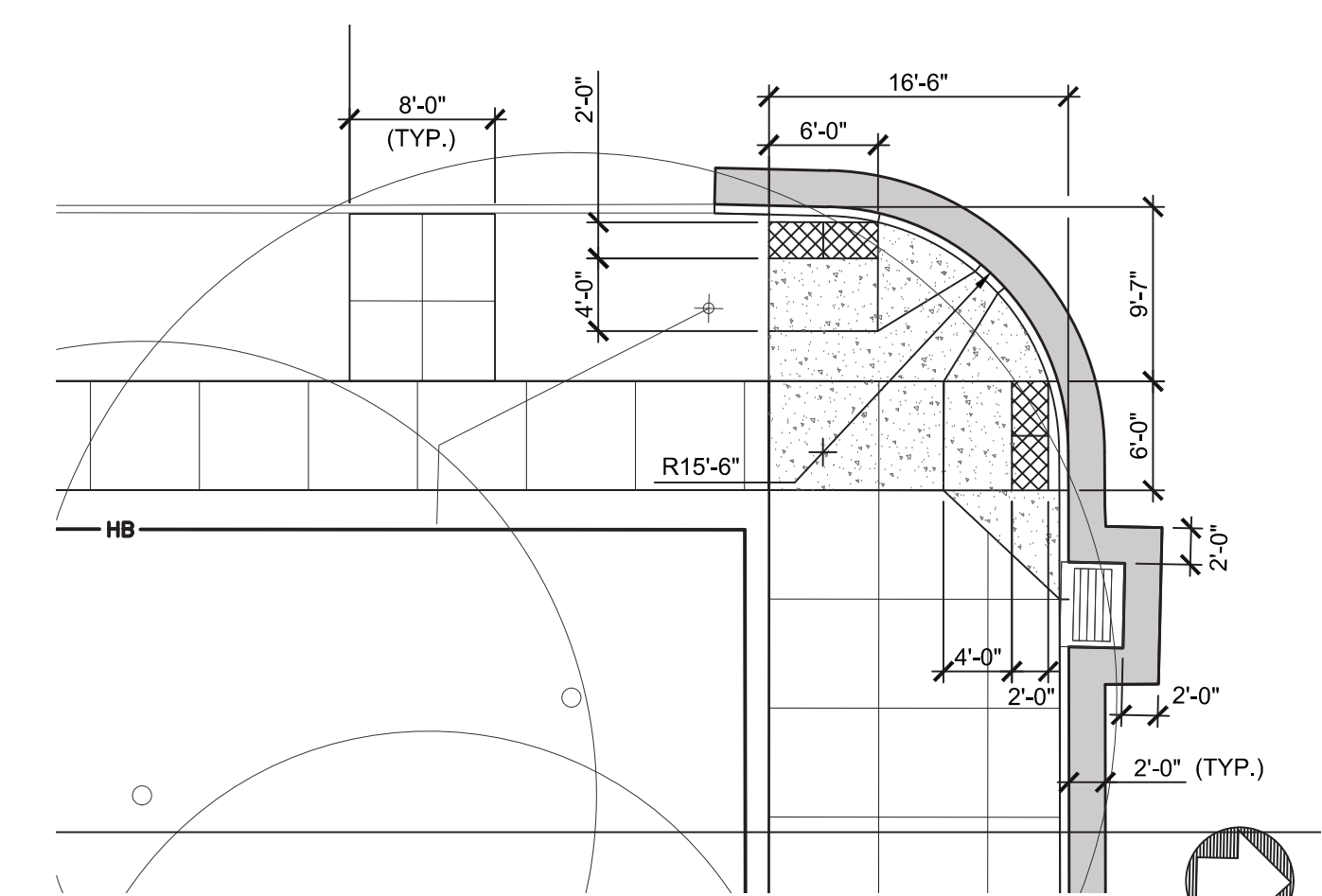
1 LAYOUT PLAN
 Scale: 1" = 30'



2 ENLARGEMENT AREA - C
 Scale: 1" = 10'-0"



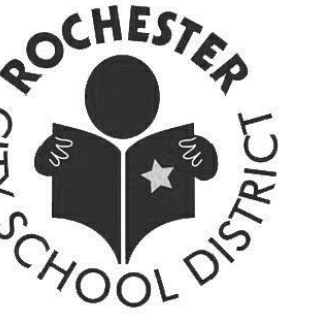
3 ENLARGEMENT AREA - A
 Scale: 1" = 10'

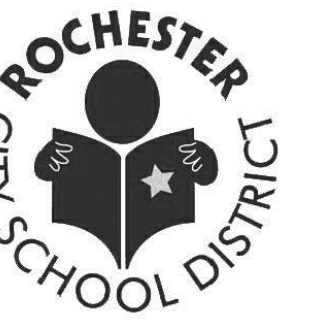


4 ENLARGEMENT AREA - B
 Scale: 1" = 10'

ALTERNATES

- ALTERNATE NO. 05, CONTRACT #1 - SITE PLANTINGS**
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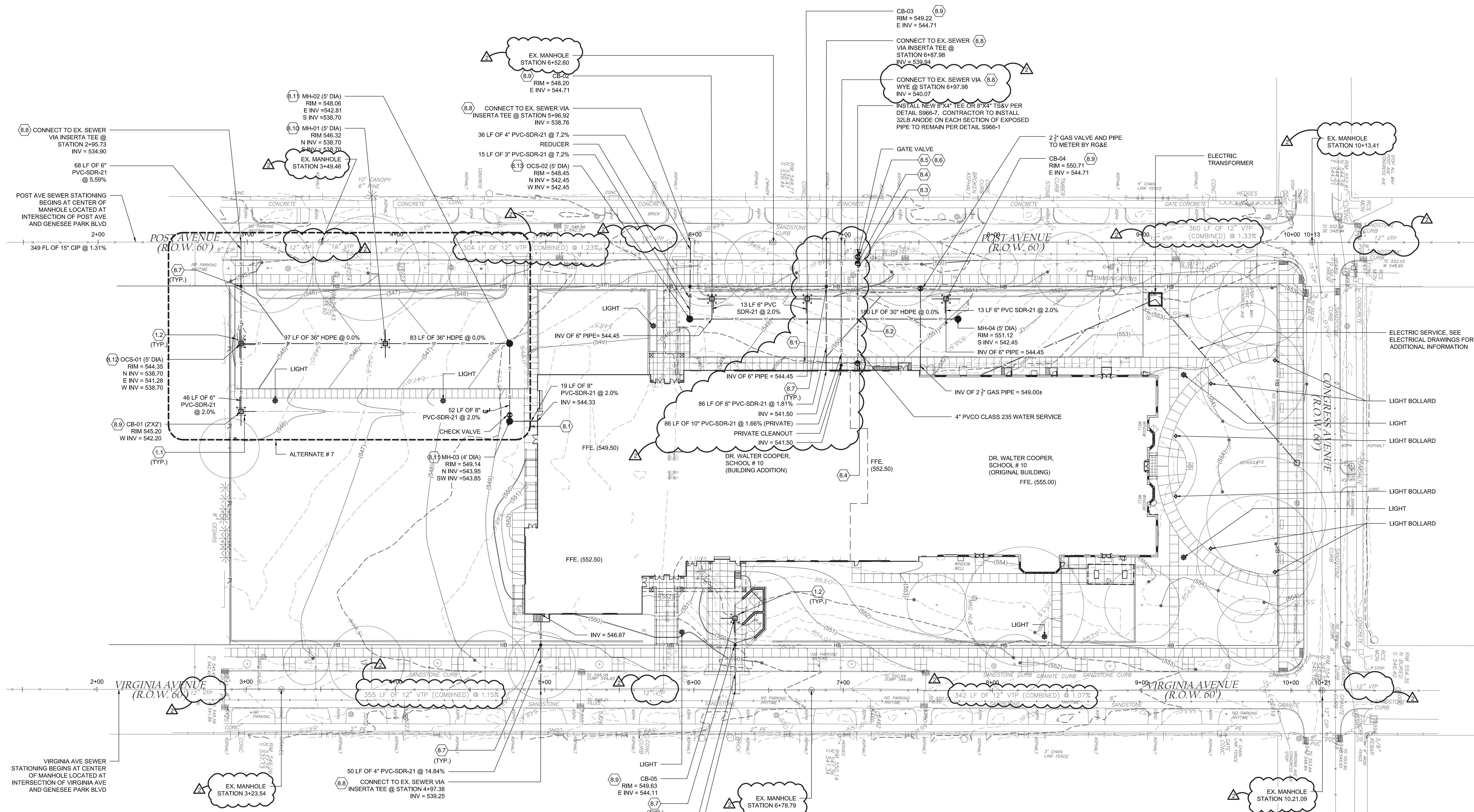
02/28/2018 BID ADDENDUM #2

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02/28/2018 BID ADDENDUM #2

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02/28/2018 BID ADDENDUM #2



UTILITY DETAIL KEYNOTES:

8	SITE UTILITIES	DETAIL #	SHEET #	SPEC SECTION
8.1	Limits of Utility Work at Building	1	C1604	331000
8.2	Water and Sewer Crossing	2	C1604	331000
8.3	Water Service	3,4	C1604	331000
8.4	Water Disinfection Sampling Tap	5	C1604	331000
8.5	Water Valve box	6	C1604	331000
8.6	Water Trench Pavement Rehabilitation	5	C1605	331000
8.7	CSO Cleanout	1	C1606	333000
8.8	CSO Connection to Existing Sewer	2	C1606	333000
8.9	Storm Catch Basin Type C	5	C1606	334000
8.10	Storm Manhole W/ Grate	6	C1606	334000
8.11	Storm Manhole W/ Solid Cover	7	C1606	334000
8.12	Storm Outlet Control Structure #1	1,2	C1607	334000
8.13	Storm Outlet Control Structure #2	3,4	C1607	334000

E&SC DETAIL KEYNOTES:

1	TEMPORARY SEDIMENT & EROSION CONTROL	DETAIL #	SHEET #	SPEC SECTION
1.1	Inlet Protection In Non-Paved Areas	2	C1601	312500
1.2	Inlet Protection In Pavement	4	C1601	312500

MCPW - ROCHESTER PURE WATERS DISTRICT SEWER NOTES:

- THIS PLAN REQUIRES APPROVAL AND ISSUANCE OF A PLUMBING PERMIT FROM THE CITY OF ROCHESTER PLUMBING DEPARTMENT.
- PRIOR TO CONSTRUCTION, A SEWER CONNECTION PERMIT MUST BE OBTAINED FROM THE MONROE COUNTY PURE WATERS (MCPW) PERMIT OFFICE AT 145 PAUL ROAD, BUILDING 11, ROCHESTER, NEW YORK 14624. PHONE # 753-7600 (OPT. 5).
- SEWER CONNECTION PERMIT(S) CAN ONLY BE ISSUED TO A PLUMBER LICENSED IN THE CITY OF ROCHESTER AND WHO IS FULLY INSURED AND BONDED IN THE ROCHESTER PURE WATERS DISTRICT (RPWD). PAYMENT (CHECK OR MONEY ORDER TO "RPWD") OF ALL APPLICABLE PERMIT FEES MUST BE PAID PRIOR TO PERMIT ISSUANCE.
- THE RPWD SHALL BE NOTIFIED FORTY-EIGHT HOURS IN ADVANCE OF A CONNECTION OR TAP. (753-7600 OPT. 5). THE CONTRACTOR SHALL MAKE ALL REQUIRED TAPS TO THE RPWD SEWERS. ALL TAPS AND CONNECTIONS TO DETAIL UTILITIES MUST BE WITNESSED BY A DISTRICT INSPECTOR.
- SANITARY/STORM/COMBINATION SEWER LATERAL(S) AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE ROCHESTER PURE WATERS DISTRICT.
- CLEANOUTS SHALL BE INSTALLED ON ALL 4" AND 6" DIAMETER SEWER LATERALS AT THE RIGHT-OF-WAY (ROW) LINE, OR THE SEWER EASEMENT LINE WHERE APPLICABLE. (THE SEWER EASEMENT, RIGHT-OF-WAY AND/OR PROPERTY LINE MUST BE STAKED OUT PRIOR TO INSTALLATION OF LOT LINE CLEANOUTS TO ENSURE PROPER LOCATION OF THE CLEANOUTS. REFER TO CLEANOUT DETAIL FOR PROPER INSTALLATION).
- IF AN EXISTING LATERAL IS TO BE UTILIZED, THE PLUMBER/CONTRACTOR MUST ENSURE THAT THE LATERAL IS IN GOOD CONDITION AND IS FREE OF DEBRIS (DIRT, MUD, STONE, ROOTS, ETC.) VIA A VIDEO TAPED INSPECTION PERFORMED BY THE PLUMBER/CONTRACTOR OR HIS/HER AGENT. PRIOR TO CONNECTION, THE VIDEO TAPED INSPECTION OF THE EXISTING LATERAL MUST BE PRESENTED TO THE DISTRICT FOR REVIEW AND APPROVAL TO UTILIZE AN EXISTING LATERAL. IT IS THE RESPONSIBILITY OF THE BUILDER OR THEIR AGENT TO CLEAN AND/OR REPLACE THE PIPE/LATERAL AS NEEDED.
- ANY NEW PORTION OF A SEWER LATERAL INSTALLED WITHIN THE PUBLIC RIGHT-OF-WAY AND SEWER EASEMENT MUST BE SDR-21 PVC.
- ANY EXISTING LATERALS NOT UTILIZED MUST BE ABANDONED TO MONROE COUNTY PURE WATERS (MCPW) STANDARDS AT THE PROPERTY LINE OR, WHERE APPLICABLE, THE SEWER EASEMENT LINE.
- FLOOR DRAINS IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY/COMBINATION SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAINS. NOTE: ALL DISCHARGES TO THE SANITARY/COMBINATION SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR MONROE COUNTY SEWER USE LAW.
- ANY PORTION OF A SEWER LATERAL WITH LESS THAN FOUR-FOOT (4') OF COVER WILL REQUIRE CONCRETE ENCASUREMENT. SEWERS/LATERALS WITH LESS THAN THREE-FEET (3') OF COVER ARE NOT ALLOWED.
- THE REQUIREMENTS OF THE HIGHWAY/PROPERTY OWNER SHALL BE ADHERED TO FOR ITEMS ABOVE THE PIPE BEDDING, INCLUDING, BUT NOT LIMITED TO, MAINTENANCE AND PROTECTION OF TRAFFIC, BACKFILL MATERIAL AND SURFACE RESTORATION.

MCDPH STANDARD WATER MAIN EXTENSION NOTES:

- THE WATER MAIN AND TEMPORARY BYPASS PIPE SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS, DESIGNATION C651, BY USING THE CONTINUOUS FEED FOLLOWING DISINFECTION. THE WATER MAIN AND BYPASS PIPE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE INTERIOR OF ALL WATER MAIN PIPE, VALVES, FITTINGS AND SERVICES FOUR (4) INCHES AND LARGER, INCLUDING NEW HYDRANT BRANCHES CONNECTED TO EXISTING WATER MAINS, NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SPRAY OR SWAB DISINFECTED WITH A MINIMUM 1% - 2% SOLUTION OF CHLORINE NO MORE THAN 30-MINUTES PRIOR TO INSTALLATION. ADDITIONALLY, THE EXTERIOR SURFACES OF EXISTING PIPE AND FITTINGS THAT NEW PIPE AND FITTINGS WILL BE CONNECTED TO MUST BE THOROUGHLY CLEANED AND DISINFECTED. THE MAXIMUM DISTANCE BETWEEN DISINFECTION/SAMPLING TAPS ON NEW WATER MAIN AND BYPASS PIPE SHALL BE 1000 FEET. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. THE CONTRACTOR SHALL CALL 685-7530507 TO ARRANGE FOR SAMPLING SERVICES AND IS RESPONSIBLE FOR PAYING ALL MCDPH SAMPLING FEES. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL, ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 2700(b) OF THE EDUCATION LAW CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. THE DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL COLIFORM, ESCHERICHIA COLI (E. COLI) AND TURBIDITY. THE WATER MAIN AND BYPASS PIPE SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH.
- UNLESS OTHERWISE NOTED OR SHOWN ON THE APPROVED PLANS, THE MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPE LINES SHALL BE 18-INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECTED FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. UNLESS OTHERWISE NOTED OR SHOWN ON THE APPROVED PLANS, THE MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10-FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
- WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.
- THE NEW WATER MAINS AND SERVICES 4-INCH AND GREATER SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF FOR CITY OF ROCHESTER WATER MAINS. PRESSURE/LEAKAGE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SUBSECTION 3.05 OF CITY OF ROCHESTER WATER BUREAU SPECIFICATION S900 GENERAL WATER PROVISIONS.

RWB WATER MAIN AND SERVICE NOTES:

- WATER MAINS AND APPURTENANCES TO BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND SPECIFICATIONS OF THE ROCHESTER WATER BUREAU. ALL PIPE PRODUCTS, FITTINGS AND ACCESSORIES SHALL CONFORM TO THE LATEST ROCHESTER WATER BUREAU (RWB) APPROVED PRODUCTS LIST WHICH CAN BE FOUND ON THE CITY WEB SITE: [HTTP://WWW.CITYOFROCHESTER.GOV/WATERDOCUMENTS/](http://www.cityofrochester.gov/waterdocuments/).
- ALL NEW WATER MAINS AND SERVICES SHALL BE INSTALLED WITH A MINIMUM COVER DEPTH FROM PROPOSED FINISHED GRADE OF 4.5 FEET FOR DOMESTIC MAINS AND 5.0 FEET FOR HOLLY MAINS.
- THE ROCHESTER WATER BUREAU REQUIRES THAT A HYDRANT USE PERMIT BE OBTAINED BY THE CONTRACTOR PRIOR TO USING ANY HYDRANT AS A SOURCE OF WATER SUPPLY. THE PERMIT REQUIRES THE USE OF A WATER METER AND A BACKFLOW PREVENTER. THE WATER BUREAU WILL SUPPLY A WATER METER AND BACKFLOW PREVENTER WITH THE PERMIT. THE PERMIT FEE INCLUDES A REFUNDABLE DEPOSIT FOR THE USE OF THE WATER METER AND BACKFLOW PREVENTER.
- THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR WATER MAINS WHICH ARE TO BE RETAINED. NO VIBRATORY EQUIPMENT IS TO BE USED OVER OR ADJACENT TO EXISTING WATER MAINS.
- TRACER WIRE IS REQUIRED ON ALL BURIED NON-METALLIC WATER MAINS AND WATER SERVICES.
- A PRECONSTRUCTION MEETING IS REQUIRED WITH THE ROCHESTER WATER BUREAU AFTER THE ISSUING OF A PERMIT, BUT BEFORE CONSTRUCTION OF THE WATER MAIN OR SERVICE BEGINS. CONTACT THE ROCHESTER WATER BUREAU AT (585) 428-7500 AND REQUEST TO SPEAK TO WATER ENGINEERING TO SCHEDULE THE MEETING.

ALTERNATES

- ALTERNATE NO. 06, CONTRACT #1 - SITE PLANTINGS
- BASE BID SCOPE: PROVIDE ALL SITE WORK SHOWN ON THE "C" SERIES DRAWINGS, EXCEPT DEMOLITION OF THE PLANTINGS IN PLANTING AREA NUMBER 2 (EXISTING PLANTING TO REMAIN).
- ALTERNATE SCOPE: DEMOLITION ALL PLANTINGS INDICATED IN PLANTING AREA NUMBER 2 AND PROVIDE ALL NEW PLANTINGS SCHEDULED ON "C" SERIES DRAWINGS.
- ALTERNATE NO. 06, CONTRACT #1 - SITE DECORATIVE FENCING
- BASE BID SCOPE: PROVIDE CHAIN LINK FENCING AS INDICATED ON THE "C" SERIES DRAWINGS AND DECORATIVE METAL FENCING AND CONCRETE MOW STRIP WEST OF THE NORTH PARKING LOT, AND AROUND BOTH PLAYGROUND AREAS.
- ALTERNATE SCOPE: PROVIDE DECORATIVE METAL FENCING AND CONCRETE MOW STRIP IN ADDITION TO BASE BID CHAIN LINK FENCE AND BASE BID DECORATIVE METAL FENCE. (PER "C" DRAWINGS)
- ALTERNATE NO. 07, CONTRACT #1 - SOUTH PARKING LOT
- BASE BID SCOPE: PROVIDE STORM WATER INFRASTRUCTURE, TOPSOIL, GRADE AND SEED AREA SOUTH OF THE PLAYGROUND. (AT SCHEDULED SOUTH LOT)
- ALTERNATE SCOPE: PROVIDE SOUTH PARKING LOT, INCLUDING BUT NOT LIMITED TO: DEMOLITION OF CURB TO PROVIDE NEW CURB CUT LOCATIONS, GRADING, ADJUSTING DRAINAGE STRUCTURE RIMS AS REQUIRED TO MEET FINISHED GRADE, CURBING, ASPHALT PAVEMENT AS DETAILED, ALL STRIPING, DECORATIVE METAL FENCING AND CONCRETE MOW STRIP WEST OF THE SOUTH PARKING LOT, CONCRETE WALK AS DETAILED AND SITE LIGHTS.

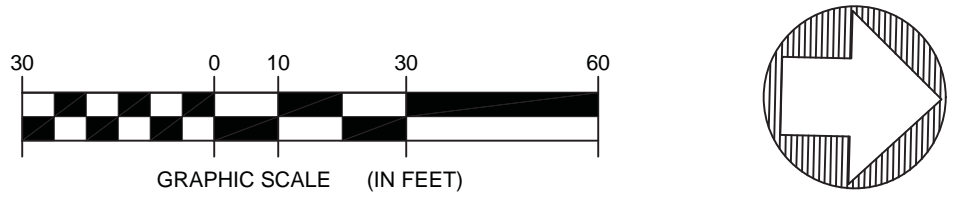
CITY OF ROCHESTER WATER BUREAU

APPROVED ONLY FOR WATER FACILITY WORK SHOWN WITHIN THE PUBLIC RIGHT-OF-WAY, UP TO AND INCLUDING THE CURB VALVE, AND INCLUDING THE WATER METER VAULT NEAR THE RIGHT-OF-WAY, IF APPLICABLE. THE OWNER, DEVELOPER OR THEIR PLUMBER IS RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS FROM THE CITY BEFORE BEGINNING ANY WORK.

IF A BACKFLOW PREVENTION DEVICE IS REQUIRED, THE WATER BUREAU WILL NOT ISSUE A WATER SERVICE PERMIT UNTIL THE PLANS FOR THE BACKFLOW PREVENTION DEVICE HAVE BEEN APPROVED BY THE MONROE COUNTY DEPARTMENT OF PUBLIC HEALTH.

BACKFLOW DEVICE REQUIRED BACKFLOW DEVICE NOT REQUIRED

SIGNATURE _____ TITLE _____ DATE _____

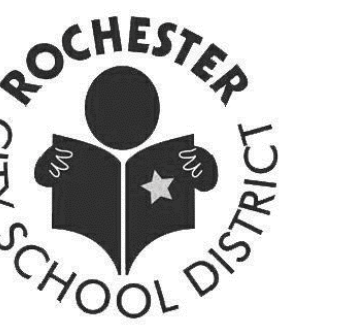


UTILITY PLAN

C1301

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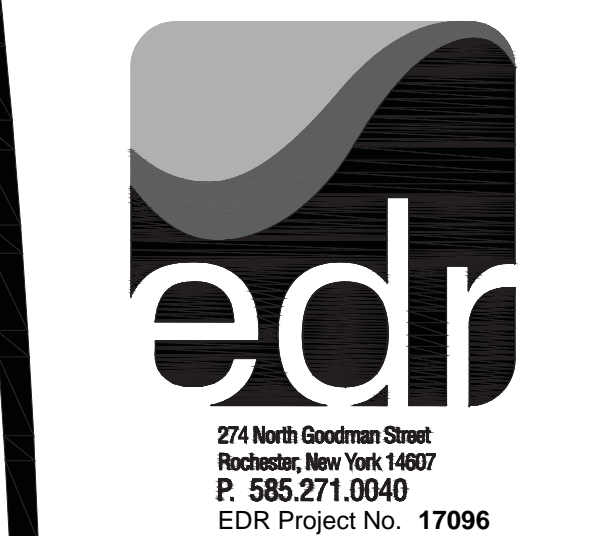
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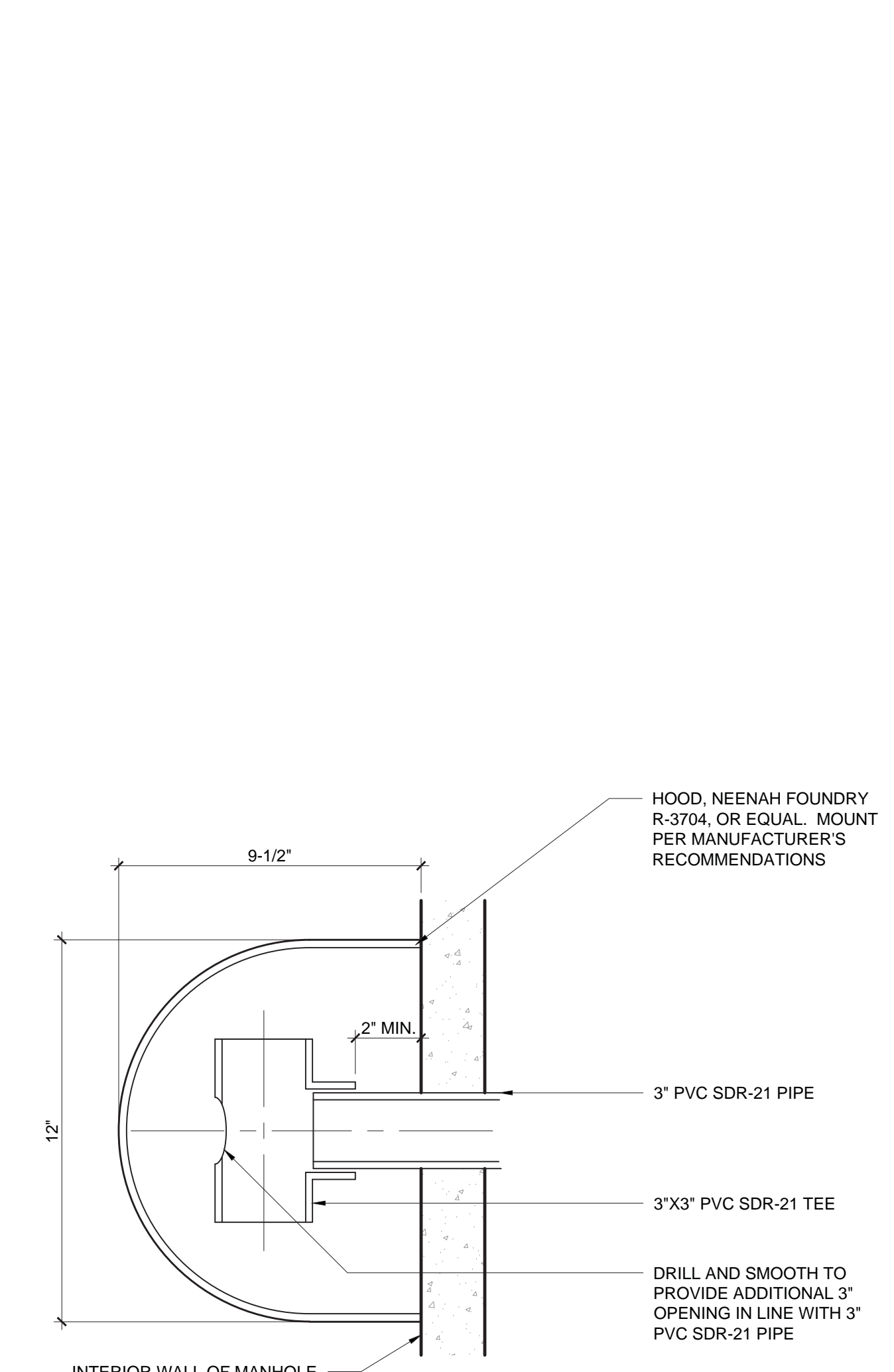
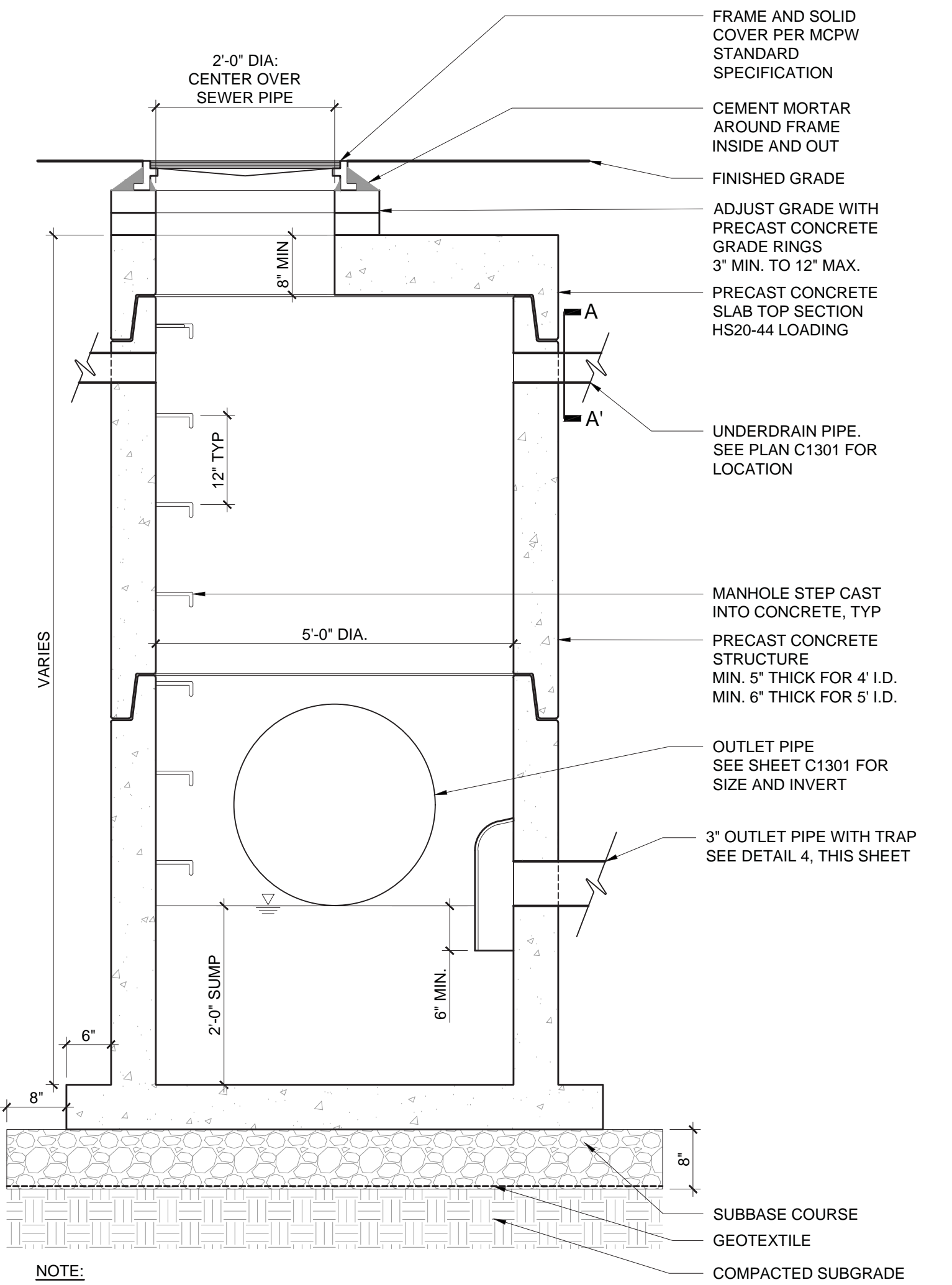
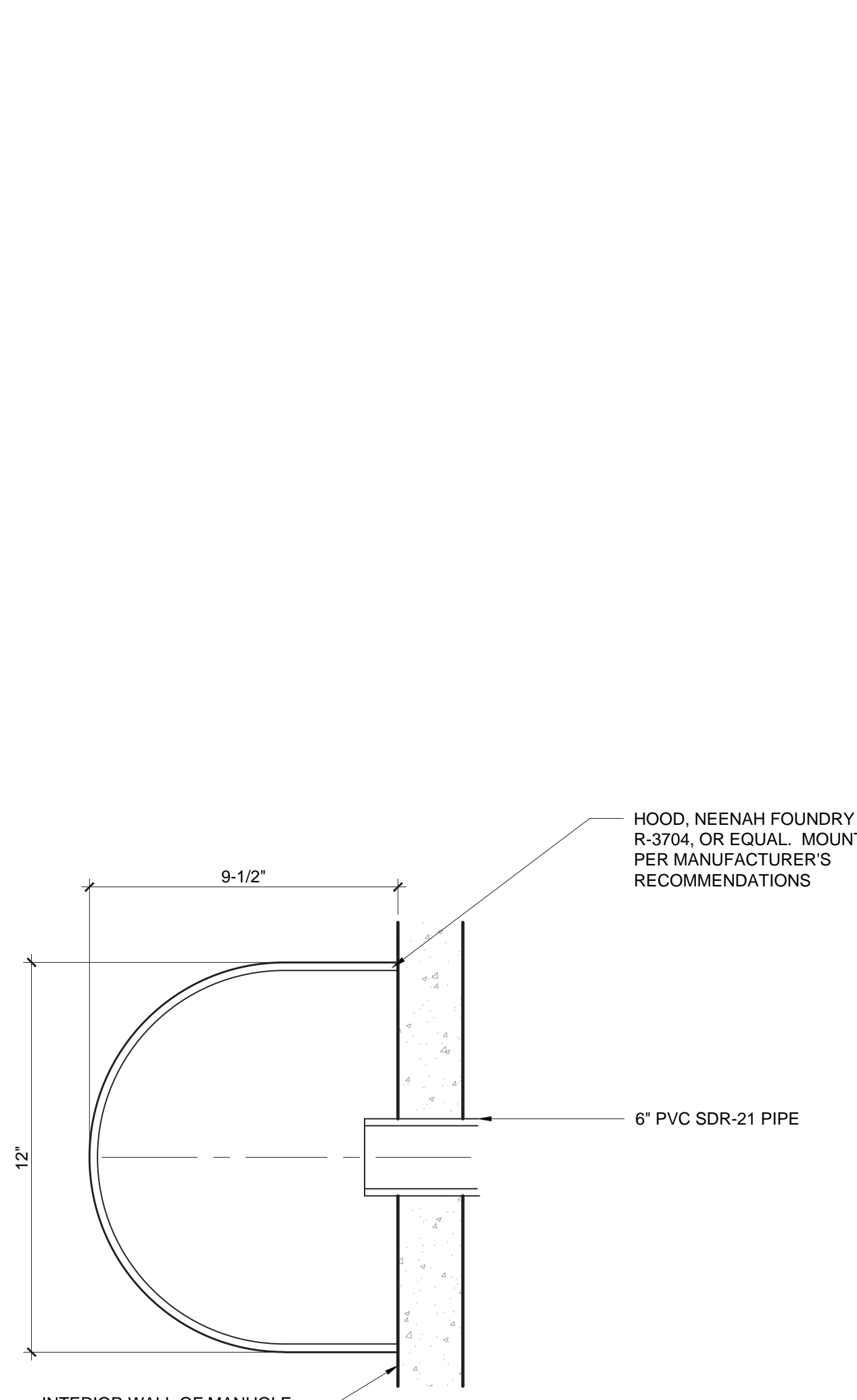
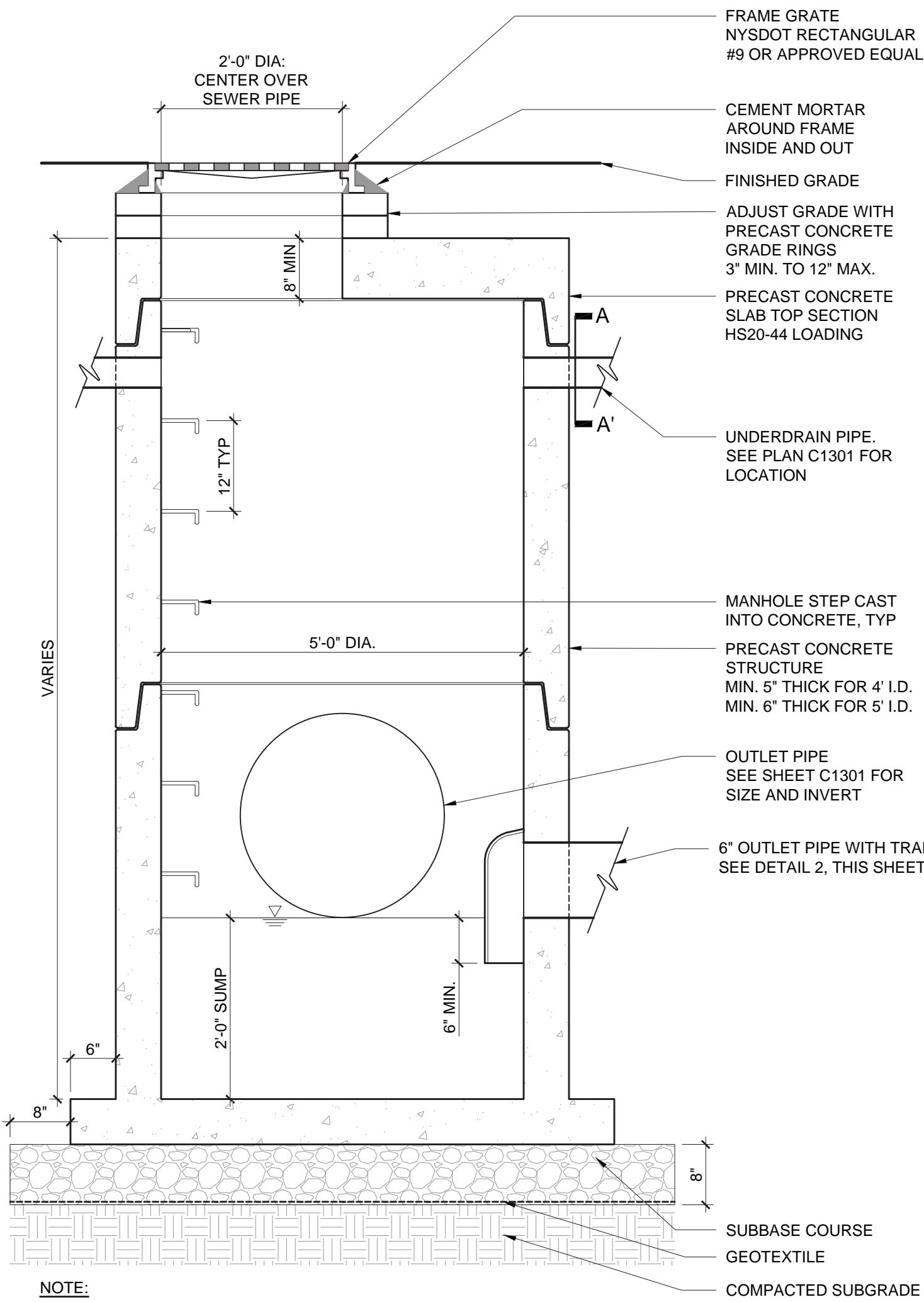
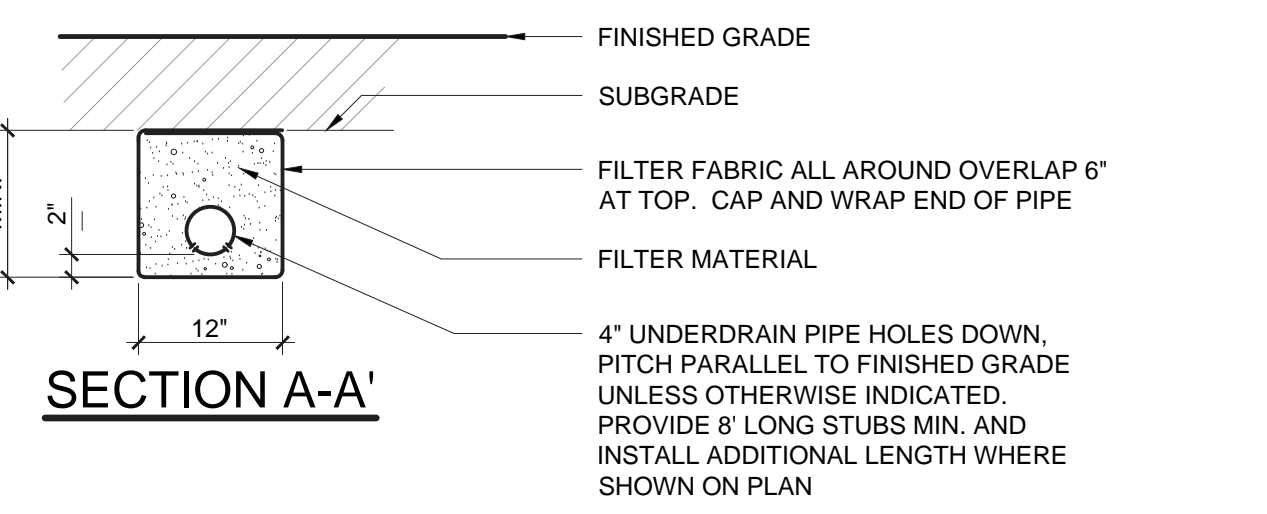
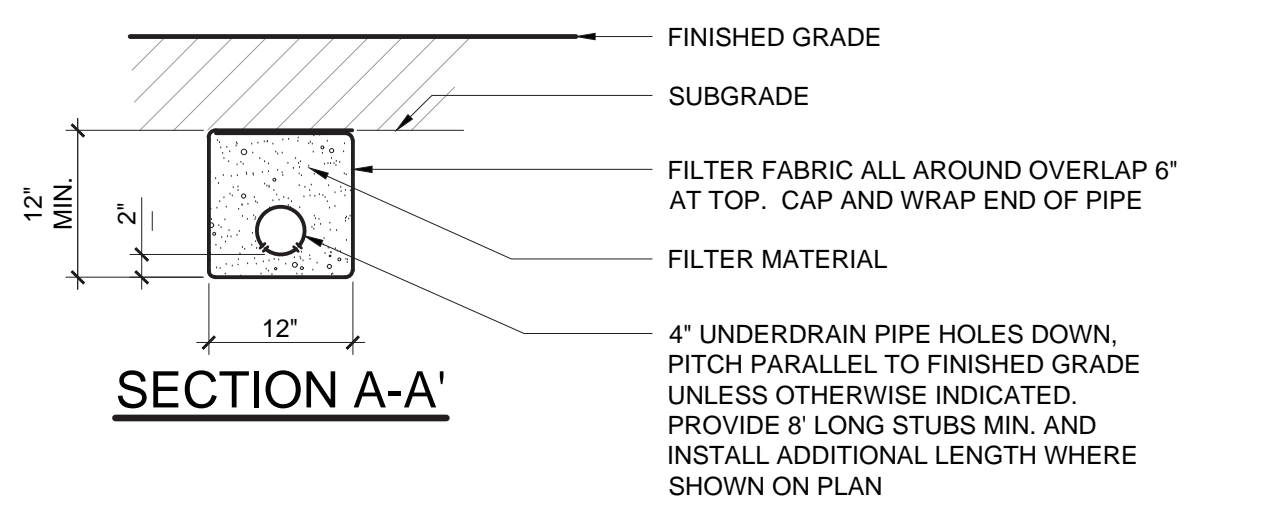


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BID DOCUMENTS

Date: 02/05/2018 SEI Project No. 17-3016

Revisions
02/28/2018 BID ADDENDUM #2

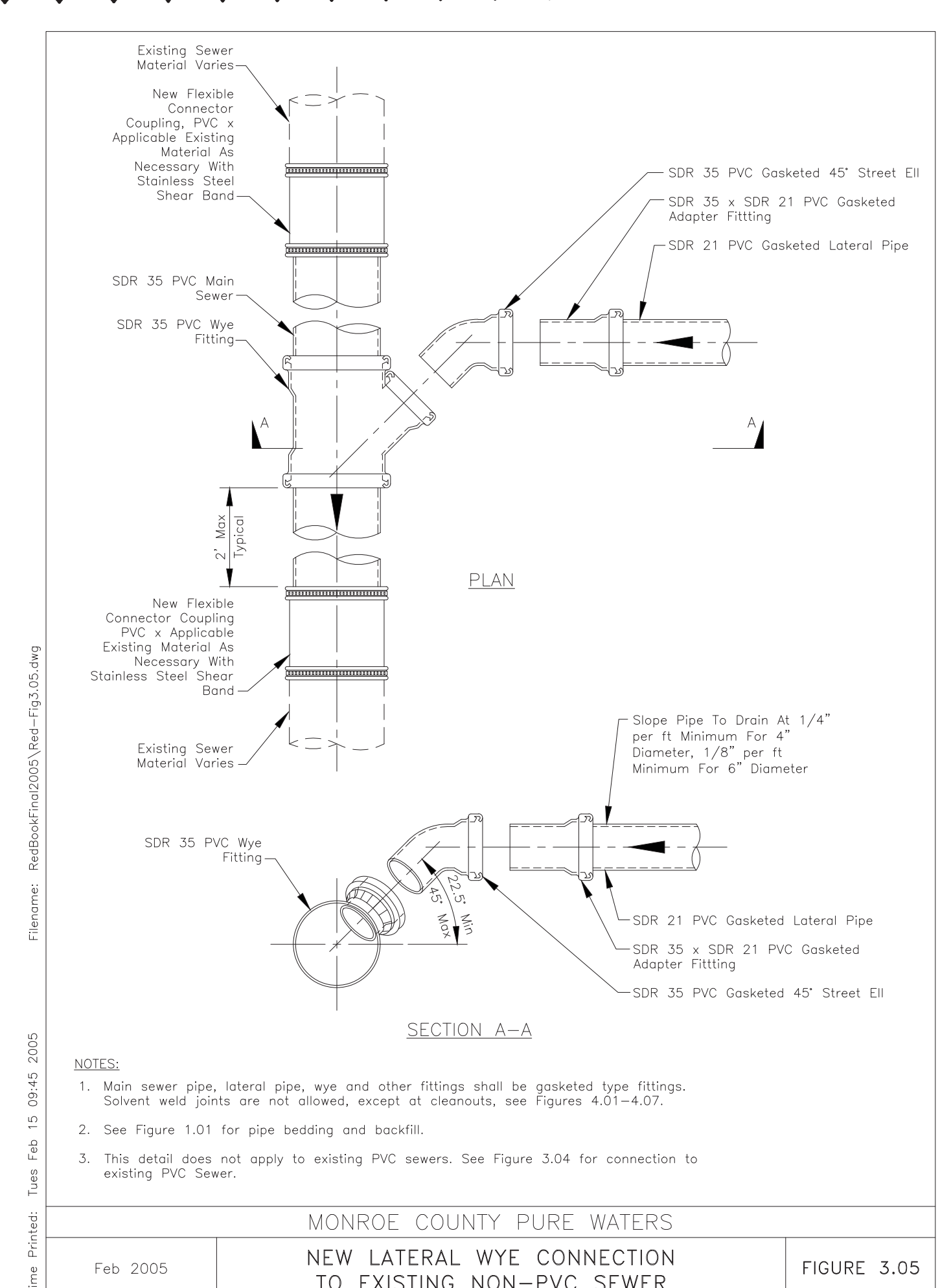


1. SEE PLAN FOR PIPE SIZES AND INVERT ELEVATIONS
1 OUTLET CONTROL STRUCTURE - #1
Scale: NTS

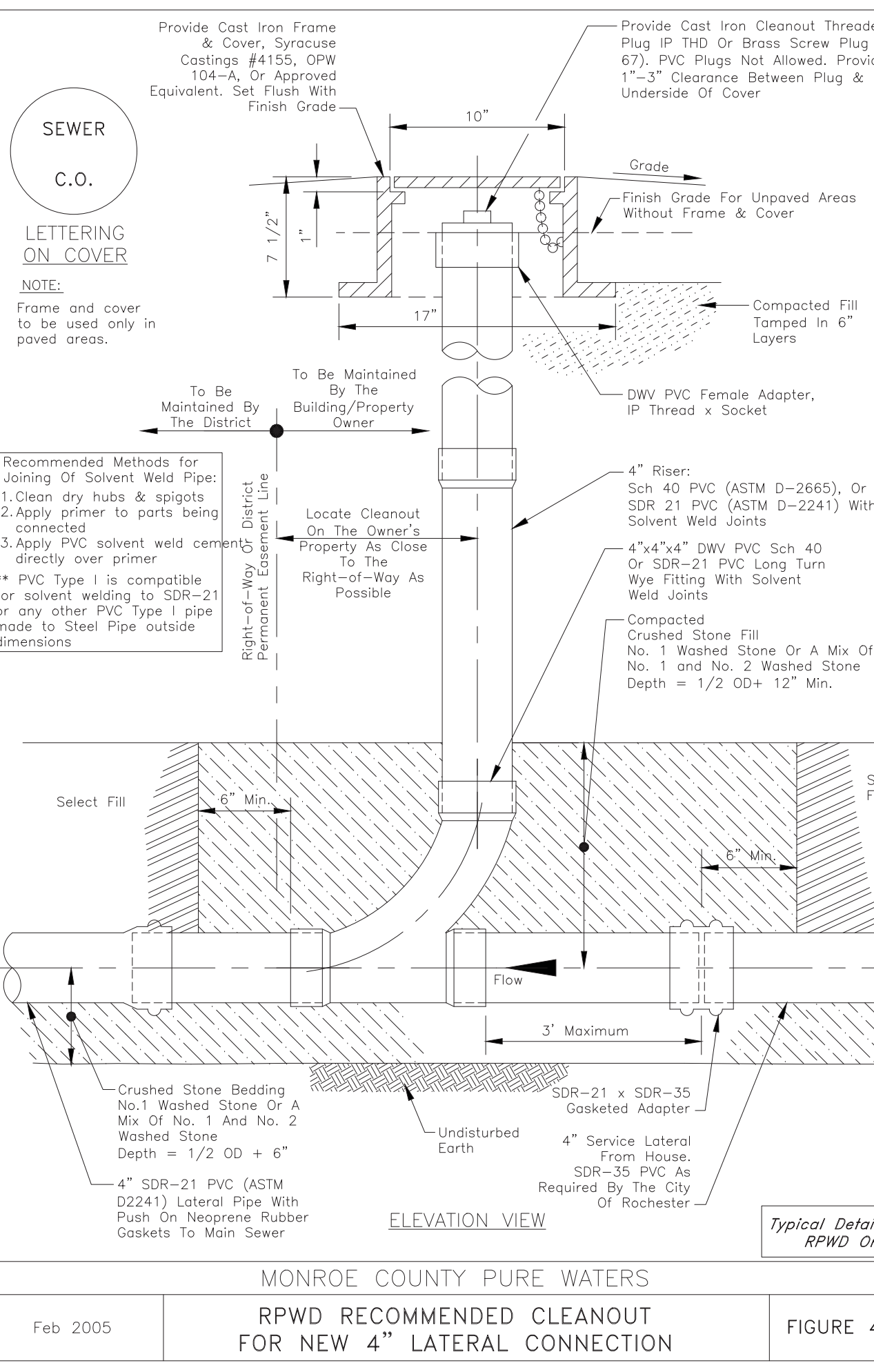
2. SEE PLAN FOR PIPE SIZES AND INVERT ELEVATIONS
2 OUTLET CONTROL STRUCTURE - #1 TRAP
Scale: NTS

3. SEE PLAN FOR PIPE SIZES AND INVERT ELEVATIONS
3 OUTLET CONTROL STRUCTURE - #2
Scale: NTS

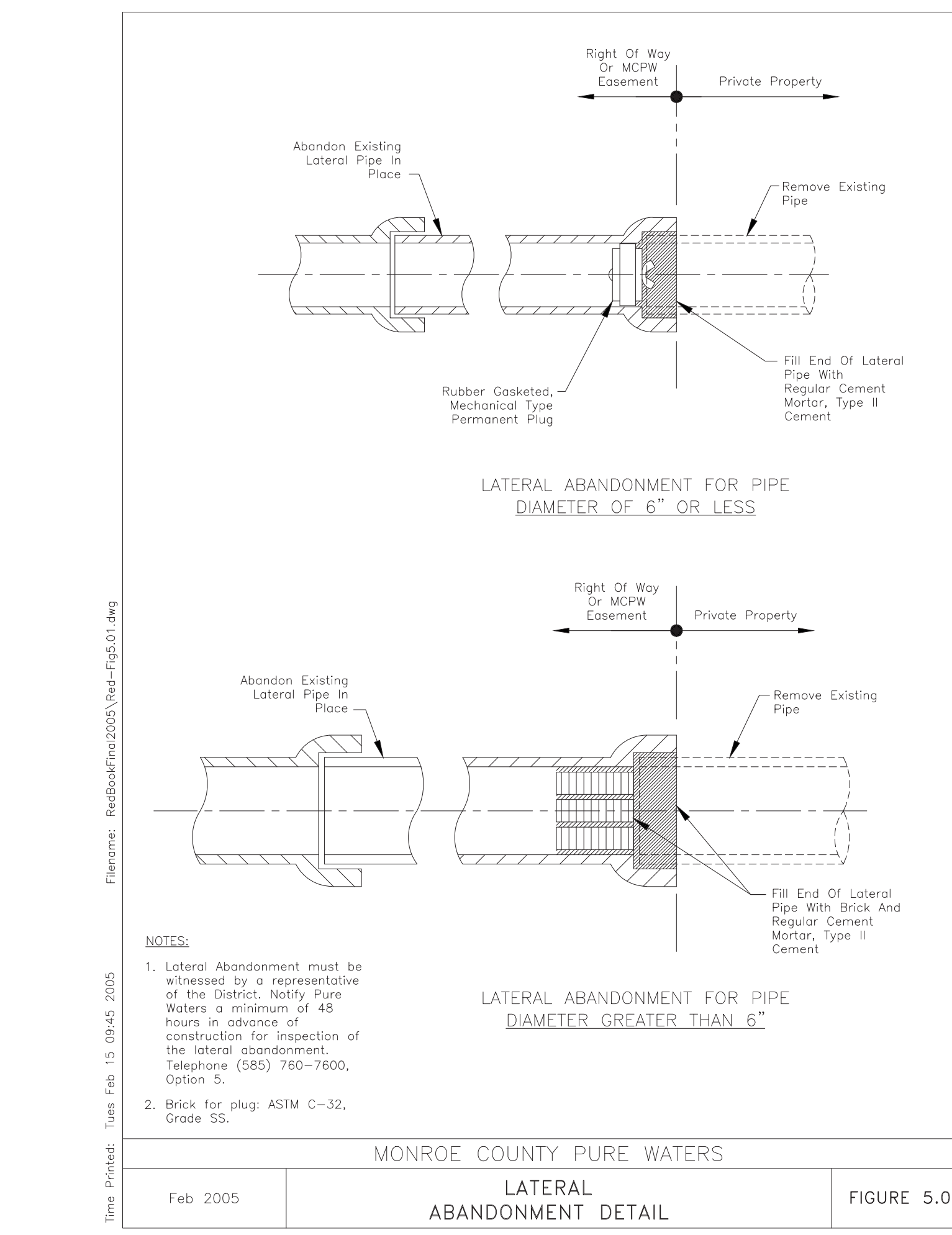
4. SEE PLAN FOR PIPE SIZES AND INVERT ELEVATIONS
4 OUTLET CONTROL STRUCTURE - #2 TRAP
Scale: NTS



5 LATERAL WYE CONNECTION
Scale: NTS



6 CLEANOUT
Scale: NTS



7 LATERAL ABANDONMENT
Scale: NTS

DETAILS

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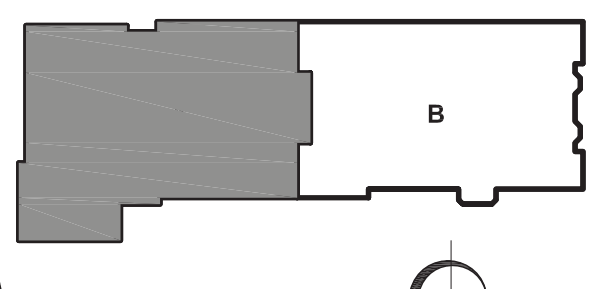
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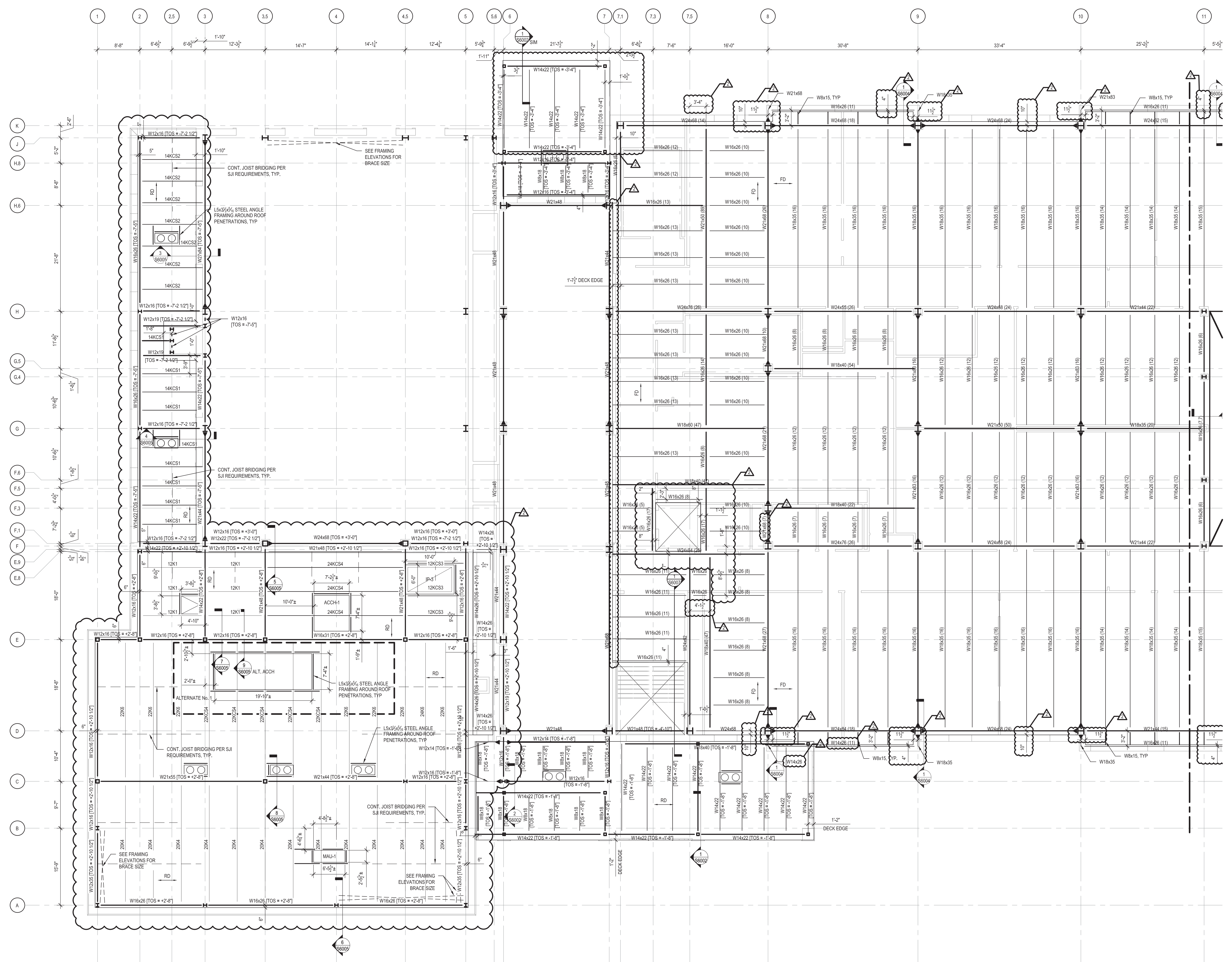


BID DOCUMENTS

Date 02/05/2018 SEI Project No. 17-3016
Revisions
2 2/28/18 BID ADDENDUM #2

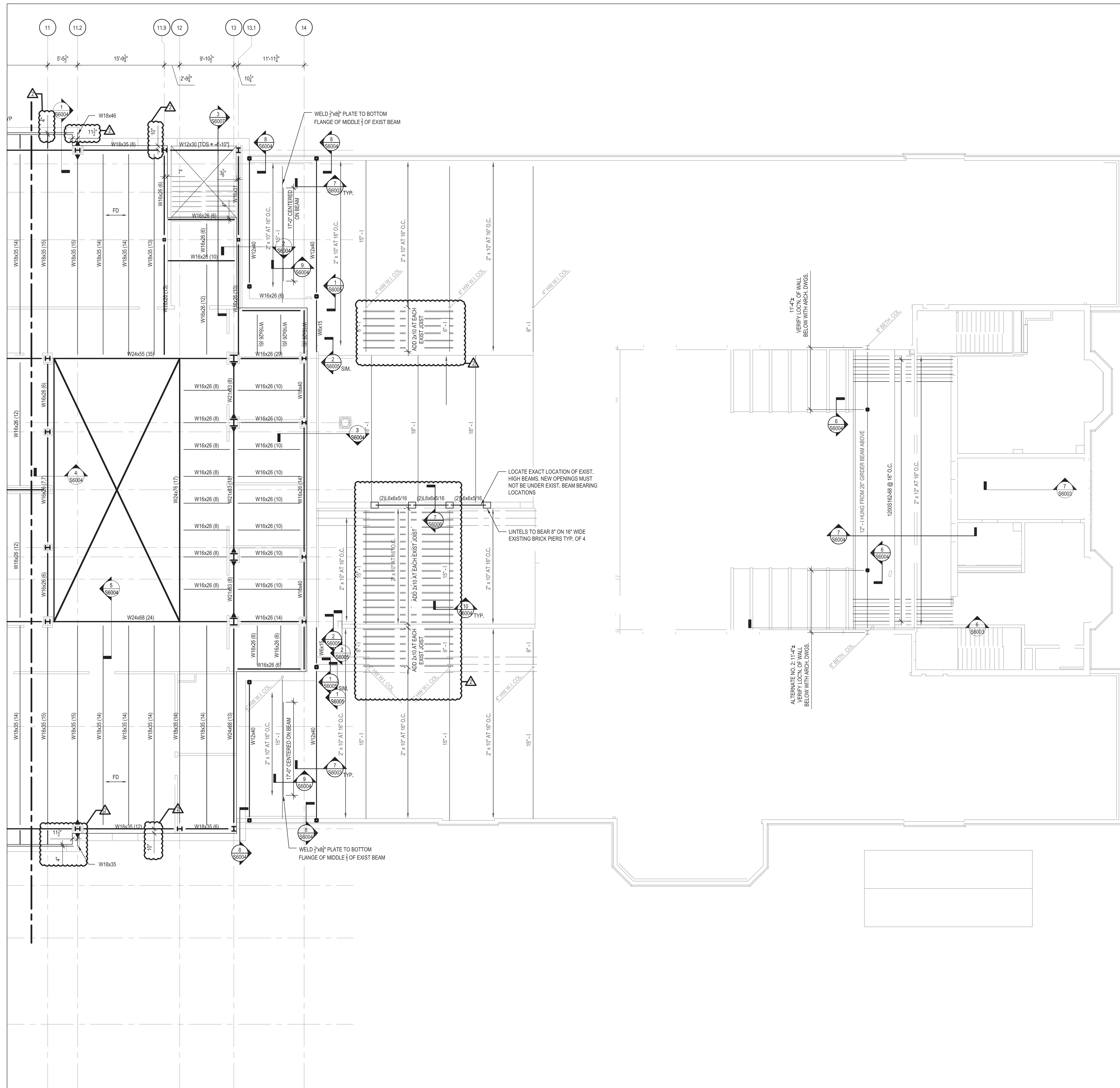
PARTIAL SECOND FLOOR AND ROOF FRAMING PLANS

S2005



1 PARTIAL SECOND FLOOR AND ROOF FRAMING PLANS
1/8" = 1'-0"

- SECOND FLOOR AND ROOF FRAMING PLAN NOTES:**
- TOP OF CLASSROOM ADDITION SLAB ELEVATION = +11'-6" FROM EXISTING FINISH FIRST FLOOR ELEVATION 0'-0".
 - TYPICAL TOP OF STEEL ELEVATION SHALL BE -6" FROM FINISH FLOOR ELEVATION UNLESS NOTED OTHERWISE AS (A) FROM TOP OF CLASSROOM ADDITION SLAB.
 - TYPICAL ROOF CONSTRUCTION TO BE 1 1/2" x 20 GAUGE TYPE B G60 GALV. STEEL ROOF DECK SPANNING PERPENDICULARLY TO JOISTS / BEAMS.
 - ROOF CONSTRUCTION AT CAFETERIA TO BE 1 1/2" x 20 GAUGE TYPE BA G60 GALV. STEEL ROOF DECK SPANNING PERPENDICULARLY TO JOISTS / BEAMS.
 - TYPICAL FLOOR CONSTRUCTION TO BE 2 1/2" x 20 GAUGE G60 GALV. COMPOSITE STEEL DECK WITH 3/4" LIGHTWEIGHT CONCRETE AND (1) LAYER WWF 6x6-W2-W2.9 REINFORCING.
 - (XX) NEXT TO BEAM MARK INDICATES NUMBER OF 3/4" DIA. X 3/4" LONG EQUALLY SPACED WELDED SHEAR CONNECTORS.
 - WHERE SHEAR CONNECTOR SPACING EXCEEDS 18" O.C. WELD COMPOSITE DECK TO FRAMING AT INTERMEDIATE POINTS AT 18" O.C. MAXIMUM.
 - INSTALL JOISTS AND BRIDGING PER SJI REQUIREMENTS. INCLUDE TENSION CHAIRS BASED ON UPRF NET UPLIFT.
 - REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL ROOF OPENINGS, PENETRATIONS, DRAINS, AND EQUIPMENT.
 - REFER TO DRAWING S2001 FOR GENERAL NOTES, DRAWING S2002 & S2003 FOR SCHEDULES, AND DRAWINGS S5002-S5003 FOR TYPICAL DETAILS.



1 PARTIAL SECOND FLOOR AND ROOF FRAMING PLANS
1/8" = 1'-0"



- SECOND FLOOR FRAMING PLAN NOTES:**
1. TYPICAL TOP OF SLAB ELEVATION TO BE +11'-4" FROM EXISTING FINISH FIRST FLOOR ELEVATION 0'-0".
 2. TYPICAL TOP OF STEEL ELEVATION SHALL BE -5'2" FROM FINISH FLOOR ELEVATIONS.
 3. TYPICAL TOP OF STEEL AT EXISTING ROOF SHALL BE +11'-4" FROM EXISTING FINISH FIRST FLOOR ELEVATION 0'-0".
 4. TYPICAL FLOOR CONSTRUCTION TO BE 2.0" GAUGE G90 GALV. COMPOSITE STEEL DECK WITH 3/2" LIGHTWEIGHT CONCRETE AND (1) LAYER WWF 6x6-W2.9xW2.9 REINFORCING.
 5. (XX) NEXT TO BEAM MARK INDICATES NUMBER OF 3/2" DIA. X 3/2" LONG EQUALLY SPACED WELDED SHEAR CONNECTORS.
 6. WHERE SHEAR CONNECTOR SPACING EXCEEDS 18" O.C. WELD COMPOSITE DECK TO FRAMING AT INTERMEDIATE POINTS AT 18" O.C. MAXIMUM.
 7. REFER TO DRAWING S2001 FOR GENERAL NOTES, DRAWING S2002 & S2003 FOR SCHEDULES, AND DRAWINGS S2002-S2003 FOR TYPICAL DETAILS.

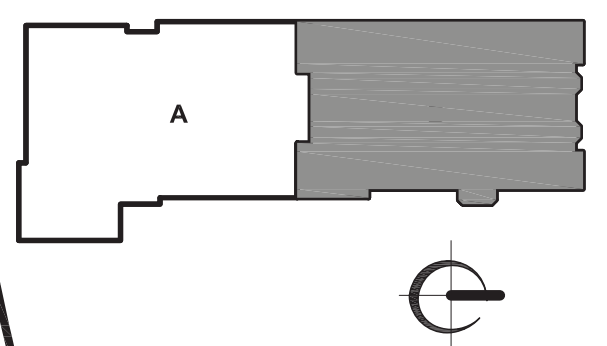


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BID DOCUMENTS

Date	02/05/2018	SEI Project No.	17-3016
Revisions	2	2/28/18	BID ADDENDUM #2

PARTIAL SECOND FLOOR AND ROOF FRAMING PLANS

S2006



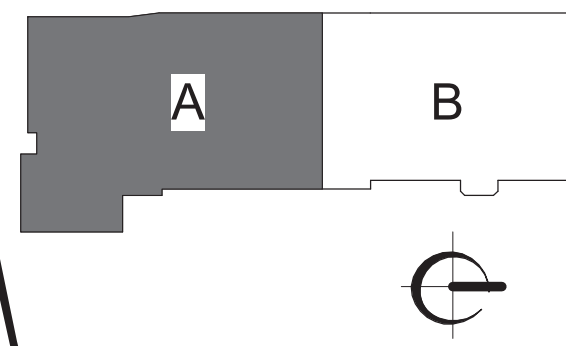
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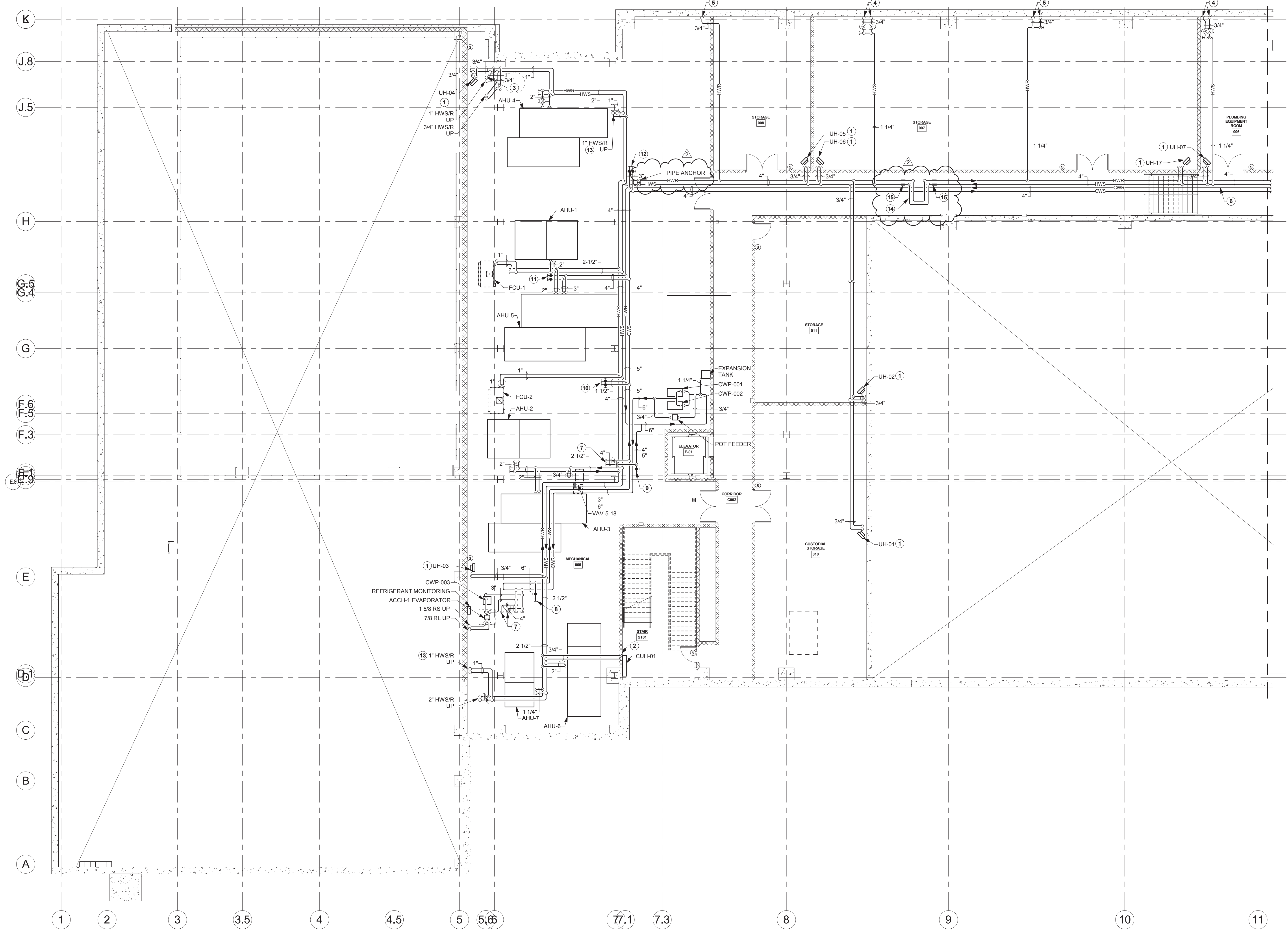
BID DOCUMENTS

Date 02/05/2018 SEI Project No. 17-3016

Revisions
2 02/28/20 BID ADDENDUM # 2

H1300 DRAWING NOTES

- 1 SUPPORT UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 2 ROUTE 3/4" HWS/R PIPING DOWN IN WALL TO CABINET UNIT HEATER.
- 3 ROUTE 3/4" HWS/R PIPING UP TO CABINET UNIT HEATER.
- 4 ROUTE 3/4" HWS PIPING UP TO FIN TUBE RADIATION.
- 5 ROUTE 3/4" HWR PIPING UP TO FIN TUBE RADIATION.
- 6 ROUTE HWS/R AND CHWS/R PIPING AS HIGH AS POSSIBLE.
- 7 VALVE AND CAP 4" CWS/R FOR FUTURE.
- 8 VALVE AND CAP 2 1/2" CWS/R FOR FUTURE.
- 9 VALVE AND CAP 2 1/2" CWR FOR FUTURE.
- 10 VALVE AND CAP 1 1/2" CWS/R FOR FUTURE.
- 11 VALVE AND CAP 2 1/2" CWS/R FOR FUTURE.
- 12 VALVE AND CAP 3" CWS/R FOR FUTURE.
- 13 ROUTE 1" HWS/R PIPING UP THROUGH FLOOR TO CABINET UNIT HEATER.
- 14 FLEXIBLE EXPANSION LOOP SIMILAR TO METRAPLEX.
- 15 PROVIDE GUIDE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.



1 PARTIAL LOWER LEVEL PLAN - HVAC PIPING
1/8" = 1'-0"

PARTIAL LOWER LEVEL PLAN
- HVAC PIPING

H1300

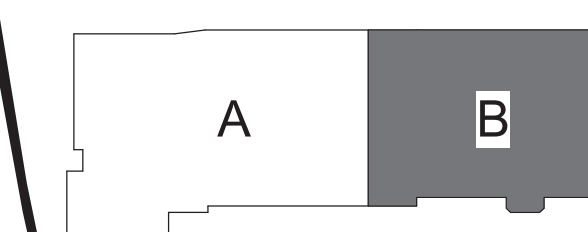


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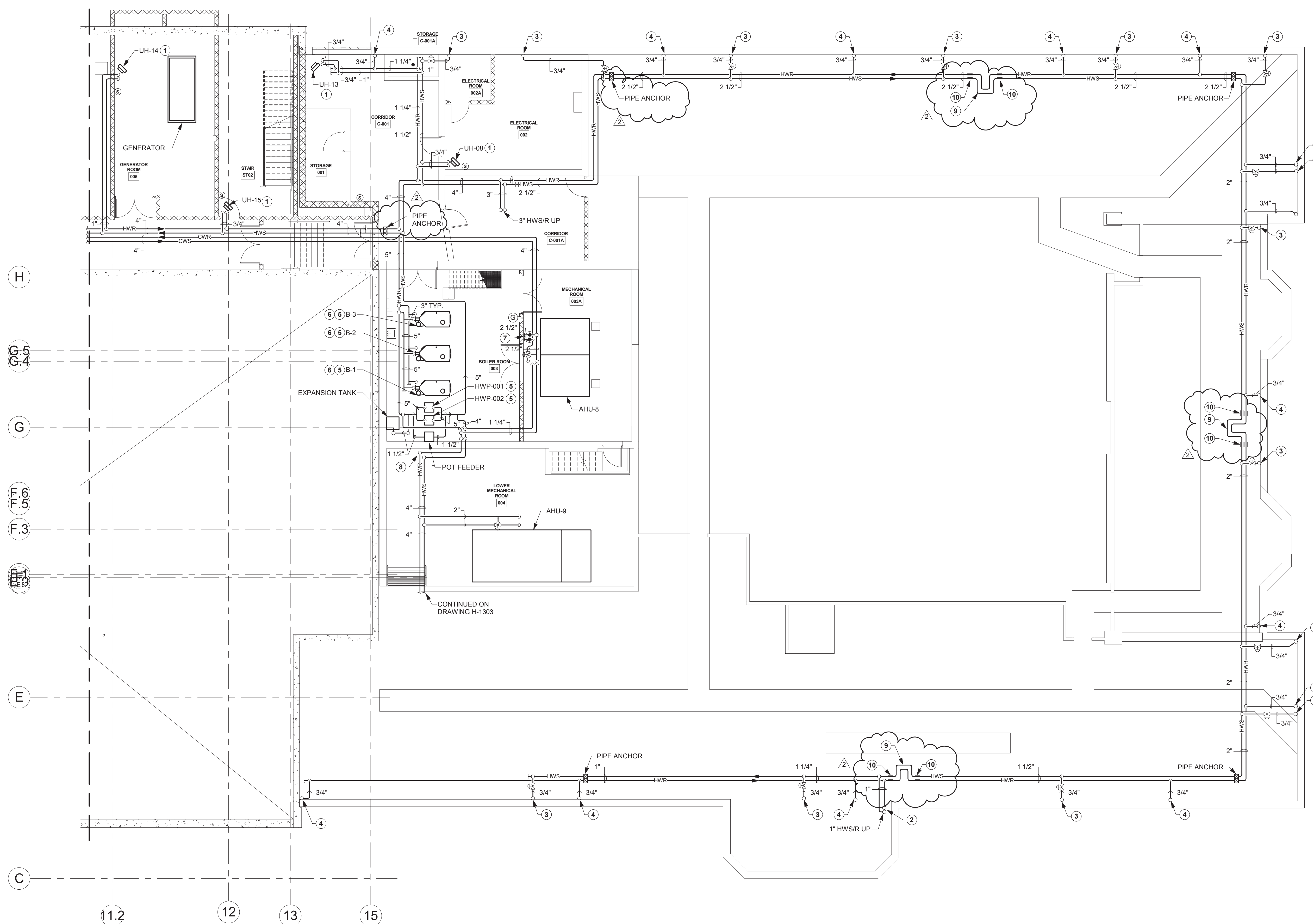
18

PARTIAL LOWER LEVEL PLAN
- HVAC PIPING

H1301

H1301 DRAWING NOTES

- 1 SUPPORT UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 2 ROUTE 3/4" HWS/R PIPING UP THROUGH FLOOR TO CABINET UNIT HEATER.
- 3 ROUTE 3/4" HWS PIPING UP THROUGH FLOOR TO FIN TUBE RADIATION.
- 4 PROVIDE 4" HIGH CONCRETE EQUIPMENT PAD. EQUIPMENT PAD SHALL EXTEND 6" BEYOND THE FOOTPRINT OF THE UNIT ON ALL SIDES.
- 5 INSTALL BOILER IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. MAINTAIN RECOMMENDED MAINTENANCE CLEARANCES.
- 6 VALVE AND CAP 2 1/2" CWS/R FOR FUTURE.
- 7 ROUTE 4" HWS/R PIPING UP TO HEIGHT SUITABLE FOR CORRIDOR ENTRY.
- 8 FLEXIBLE EXPANSION LOOP, SIMILAR TO METRAFLEX.
- 9 PROVIDE GUIDE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- 10



1 PARTIAL LOWER LEVEL PLAN - HVAC PIPING
1/8" = 1'-0"

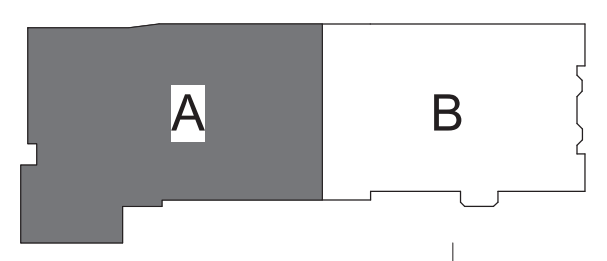


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BID DOCUMENTS

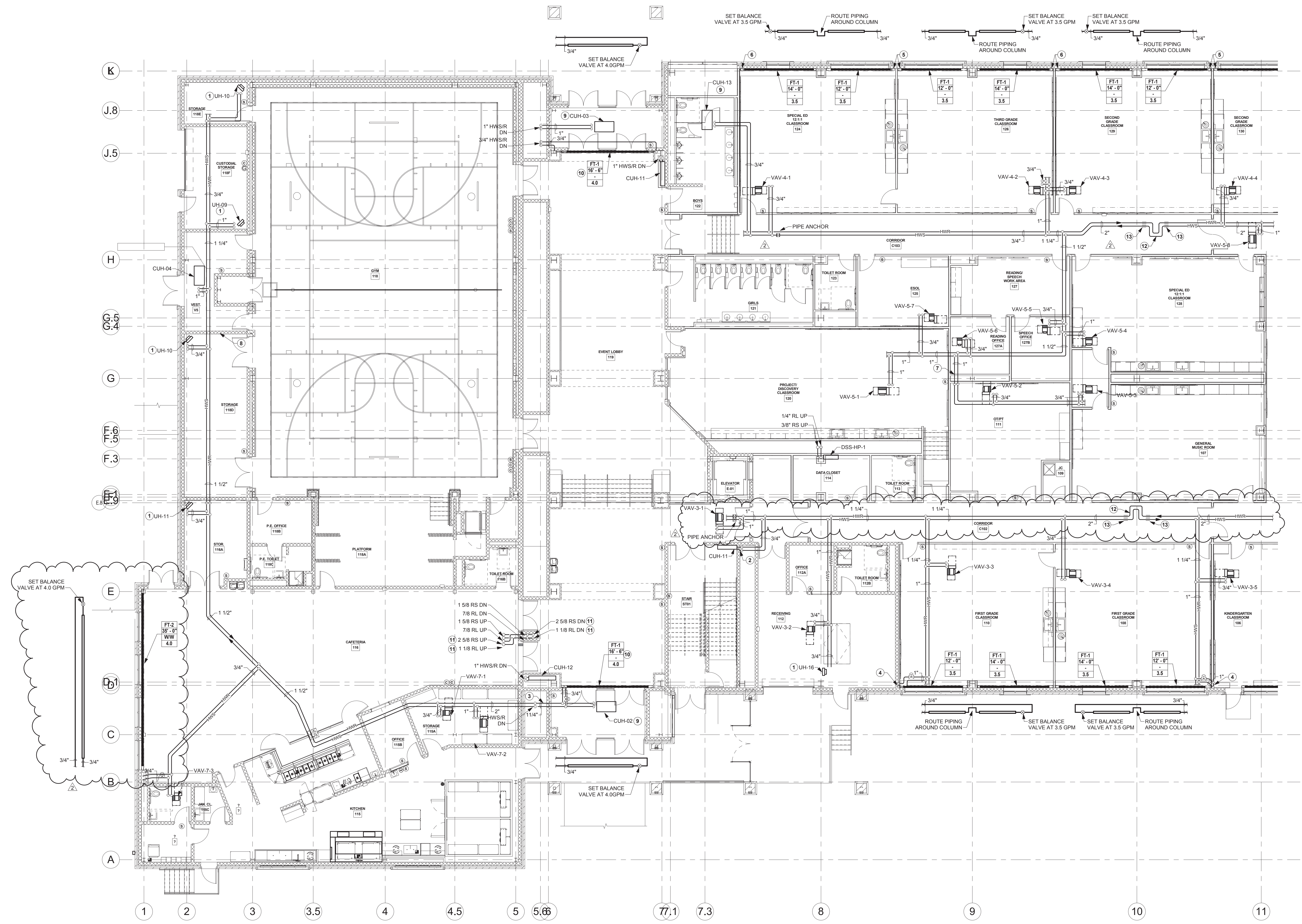
Date	02/05/2018	SEI Project No.	17-3016
Revisions	2	02/28/20	BID ADDENDUM # 2

PARTIAL FIRST FLOOR PLAN - HVAC PIPING

H1302

H1302 DRAWING NOTES

- 1 SUPPORT UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 2 ROUTE 3/4" HWS/R PIPING DOWN TO HEIGHT SUITABLE FOR CONNECTION TO CABINET UNIT HEATER.
- 3 CONNECT 1" HWS/R PIPING TO 2" HWS/R RISER AT HEIGHT SUITABLE FOR CONNECTION TO CABINET UNIT HEATER.
- 4 ROUTE 3/4" HWS/R PIPING DOWN IN WALL TO FIN TUBE RADIATION.
- 5 ROUTE 3/4" HWS/R PIPING DOWN TO FLOOR BELOW.
- 6 ROUTE 3/4" HWS/R PIPING DOWN TO FLOOR BELOW.
- 7 ROUTE 1" HWS/R PIPING UP INTO BEAM POCKET OVER SUPPLY AIR DUCTWORK.
- 8 ROUTE 1" HWS/R PIPING DOWN IN WALL TO CABINET UNIT HEATER.
- 9 SUPPORT CABINET UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 10 MOUNT FIN TUBE RADIATION ABOVE ENTRANCE DOORS.
- 11 REFRIGERANT PIPING ASSOCIATED WITH ALTERNATE NO. 01.
- 12 FLEXIBLE EXPANSION LOOP, SIMILAR TO METRAFLEX.
- 13 PROVIDE GUIDE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.



1 PARTIAL FIRST FLOOR PLAN - HVAC PIPING
1/8" = 1'-0"



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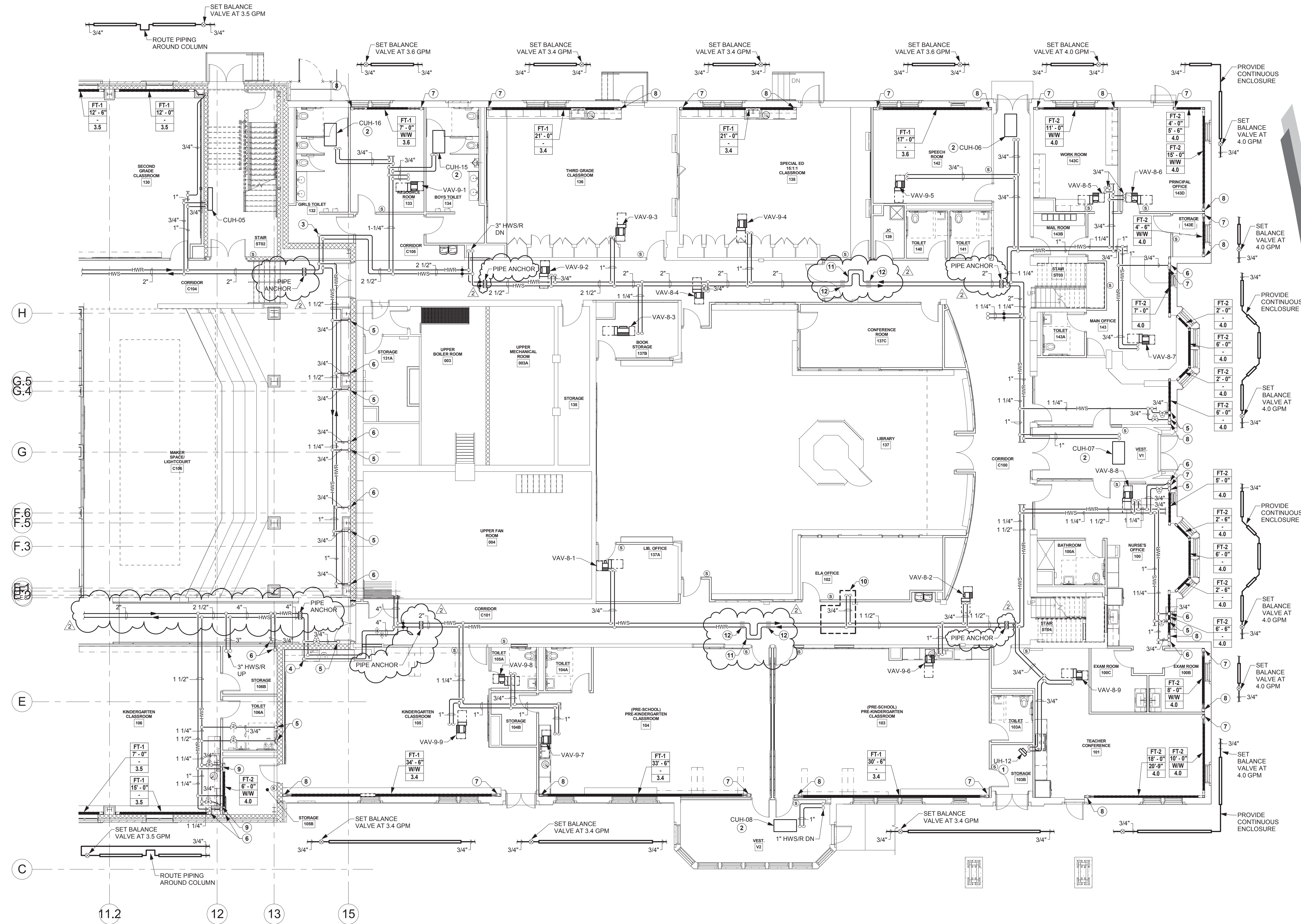
Revisions
2 02/28/20 BID ADDENDUM #2

PARTIAL FIRST FLOOR PLAN
- HVAC PIPING

H1303

H1303 DRAWING NOTES

- 1 SUPPORT UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 2 SUPPORT CABINET UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 3 ROUTE 2 1/2" HWS/R PIPING DOWN BELOW STRUCTURE AND THROUGH WALL.
- 4 ROUTE 4" HWS/R PIPING DOWN BELOW STRUCTURE AND THROUGH WALL.
- 5 ROUTE 3/4" HWS PIPING UP THROUGH FLOOR TO FIN TUBE RADIATION.
- 6 ROUTE 3/4" HWR PIPING UP THROUGH FLOOR TO FIN TUBE RADIATION.
- 7 ROUTE 3/4" HWS PIPING DOWN THROUGH FLOOR TO CRAWL SPACE BELOW.
- 8 ROUTE 3/4" HWR PIPING DOWN THROUGH FLOOR TO CRAWL SPACE BELOW.
- 9 ROUTE 3/4" HWS/R PIPING DOWN IN WALL TO FIN TUBE RADIATION.
- 10 PROVIDE 3/4" JAVS/R PIPING TO VAV-8-2 IN THIS LOCATION IF ALTERNATE NO. 02 IS ACCEPTED.
- 11 FLEXIBLE EXPANSION LOOP, SIMILAR TO METRAFLEX.
- 12 PROVIDE GUIDE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.



1 PARTIAL FIRST FLOOR PLAN - HVAC PIPING
1/8" = 1'-0"

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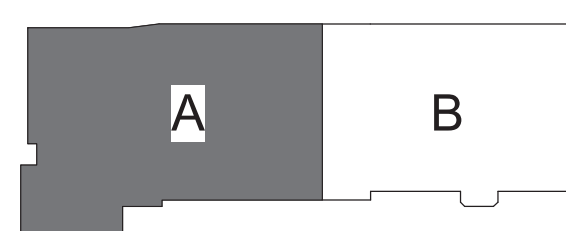
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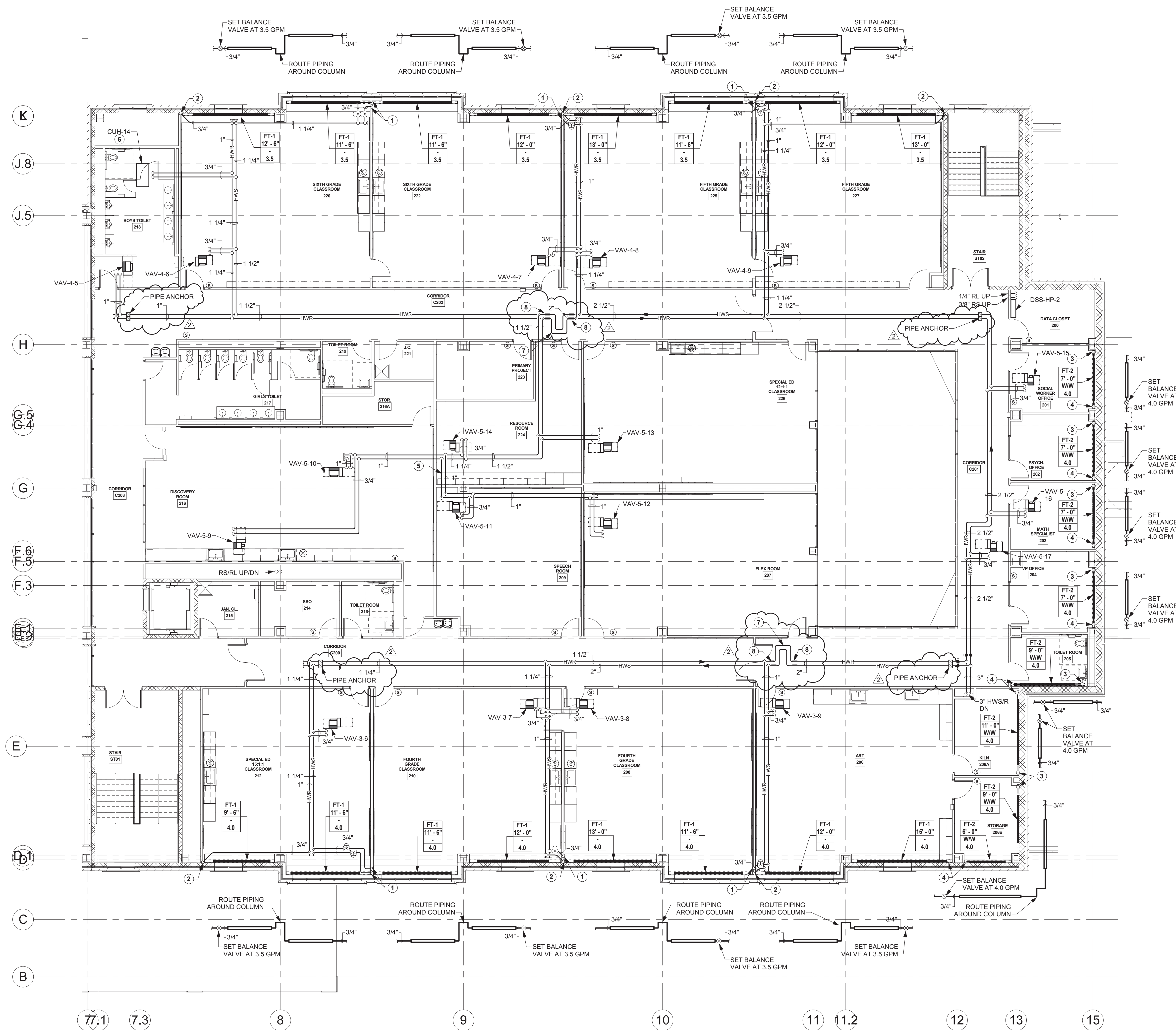
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Key Plan



H1304 DRAWING NOTES

- 1 ROUTE 3/4" HWS DOWN IN WALL TO FIN TUBE RADIATION.
- 2 ROUTE 3/4" HWR DOWN IN WALL TO FIN TUBE RADIATION.
- 3 ROUTE 3/4" HWS DOWN THROUGH FLOOR TO CEILING SPACE BELOW.
- 4 ROUTE 3/4" HWR DOWN THROUGH FLOOR TO CEILING SPACE BELOW.
- 5 ROUTE 1" HWS/R PIPING UP INTO BEAM POCKET OVER SUPPLY AIR DUCTWORK.
- 6 SUPPORT CABINET UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 7 FLEXIBLE EXPANSION LOOP, SIMILAR TO METRAFLEX.
- 8 PROVIDE GUIDE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.



1 PARTIAL SECOND FLOOR PLAN - HVAC PIPING
1/8" = 1'-0"



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PARTIAL SECOND FLOOR PLAN - HVAC PIPING

H1304

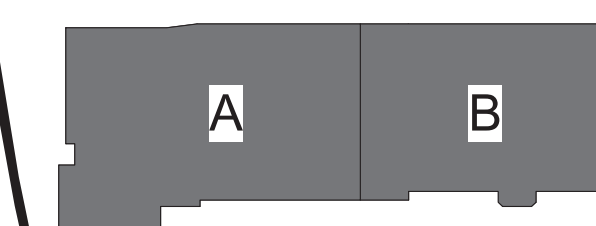


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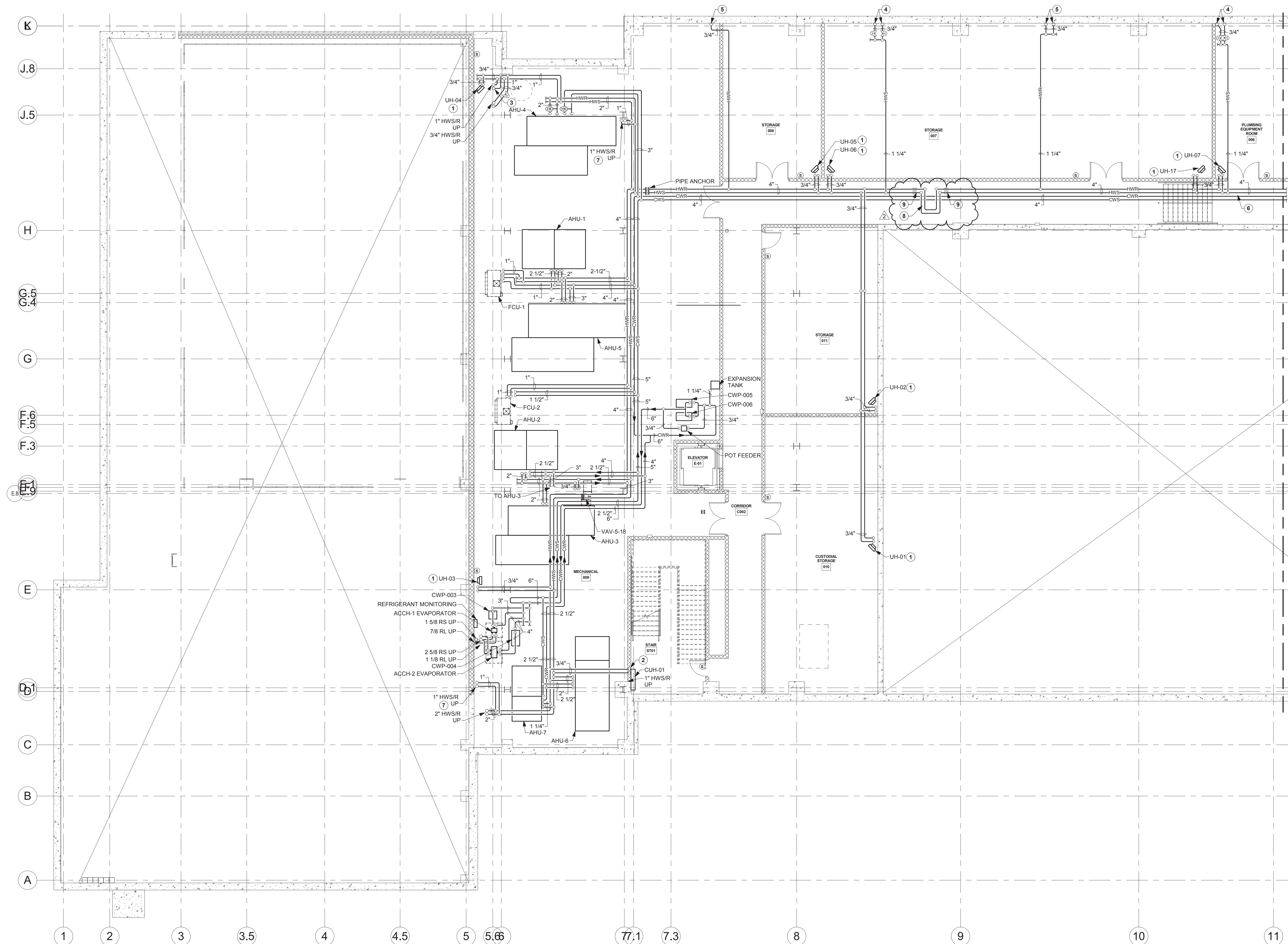
Revisions
2 02/28/20 BID ADDENDUM # 2

**PARTIAL LOWER LEVEL PLAN
- HVAC PIPING ALTERNATE
NO. 01**

H1306

H1306 DRAWING NOTES

- 1 SUPPORT UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 2 ROUTE 3/4" HWS/R PIPING DOWN IN WALL TO CABINET UNIT HEATER.
- 3 ROUTE 3/4" HWS/R PIPING UP TO CABINET UNIT HEATER.
- 4 ROUTE 3/4" HWS PIPING UP TO FIN TUBE RADIATION.
- 5 ROUTE 3/4" HWR PIPING UP TO FIN TUBE RADIATION.
- 6 ROUTE HWS/R AND CHWS/R PIPING AS HIGH AS POSSIBLE.
- 7 ROUTE 1" HWS/R PIPING UP THROUGH FLOOR TO CABINET UNIT HEATER.
- 8 FLEXIBLE EXPANSION LOOP, SIMILAR TO METRAFLEX.
- 9 PROVIDE GUIDE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.



1 PARTIAL LOWER LEVEL PLAN - HVAC PIPING
1/8" = 1'-0"

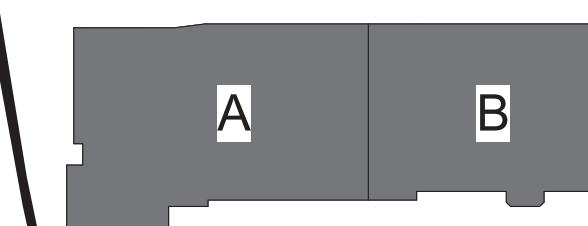


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2 02/28/20 BID ADDENDUM # 2

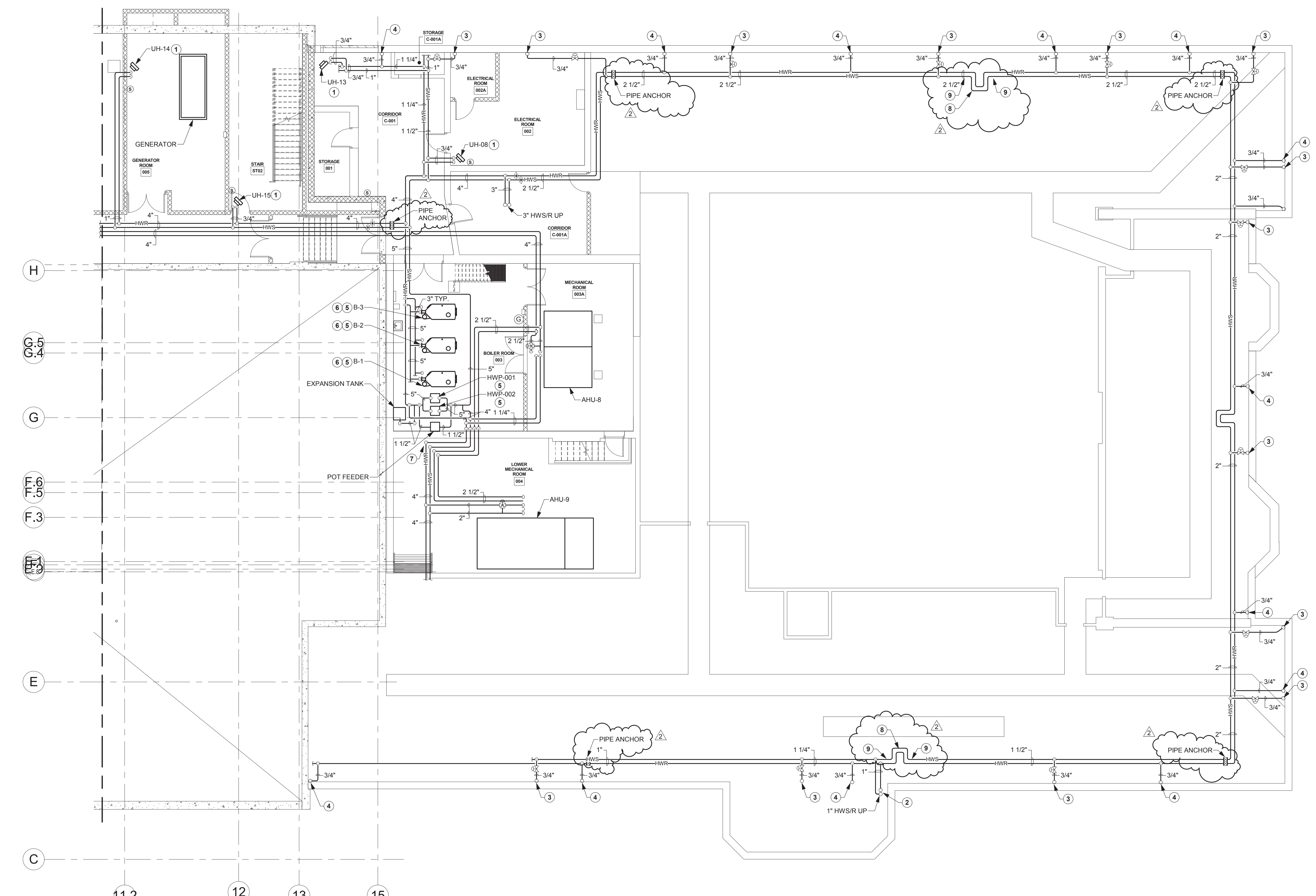
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PARTIAL LOWER LEVEL PLAN - HVAC PIPING ALTERNATE NO. 01

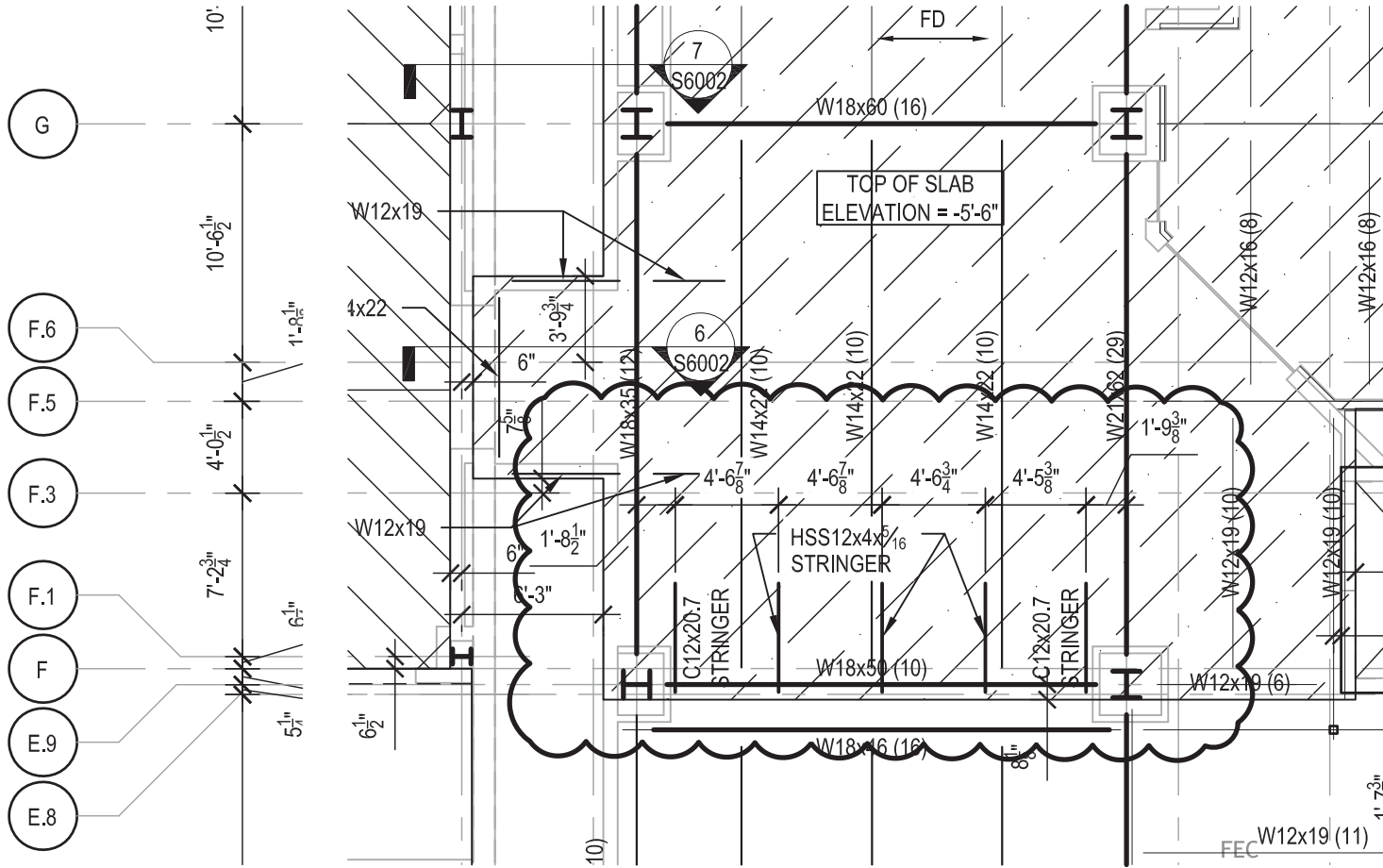
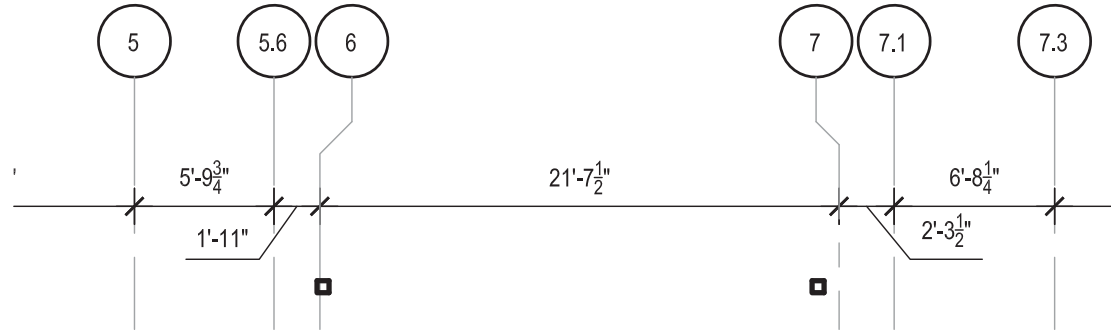
H1307

H1307 DRAWING NOTES

- 1 SUPPORT UNIT HEATER FROM STRUCTURE WITH THREADED ROD. PROVIDE VIBRATION ISOLATORS.
- 2 ROUTE 3/4" HWS/R PIPING UP THROUGH FLOOR TO CABINET UNIT HEATER.
- 3 ROUTE 3/4" HWR PIPING UP THROUGH FLOOR TO FIN TUBE RADIATION.
- 4 PROVIDE 4" HIGH CONCRETE EQUIPMENT PAD. EQUIPMENT PAD SHALL EXTEND 6" BEYOND THE FOOTPRINT OF THE UNIT ON ALL SIDES.
- 5 INSTALL BOILER IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. MAINTAIN RECOMMENDED MAINTENANCE CLEARANCES.
- 6 ROUTE 4" HWS/R PIPING UP TO HEIGHT SUITABLE FOR CORRIDOR ENTRY.
- 7 FLEXIBLE EXPANSION LOOP, SIMILAR TO METRAFLEX.
- 8 PROVIDE GUIDE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- 9



1 PARTIAL LOWER LEVEL PLAN - HVAC PIPING
1/8" = 1'-0"



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PARTIAL 1ST FLOOR FRAMING PLAN - EVENT LOBBY STAIR

AD2-S001



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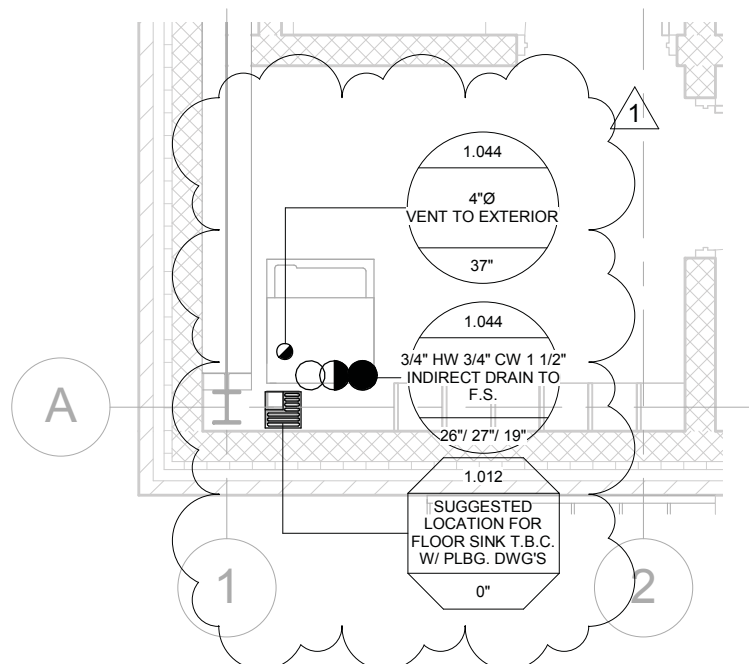
Revisions

1 2/28/18 BID
ADDENDUM #2

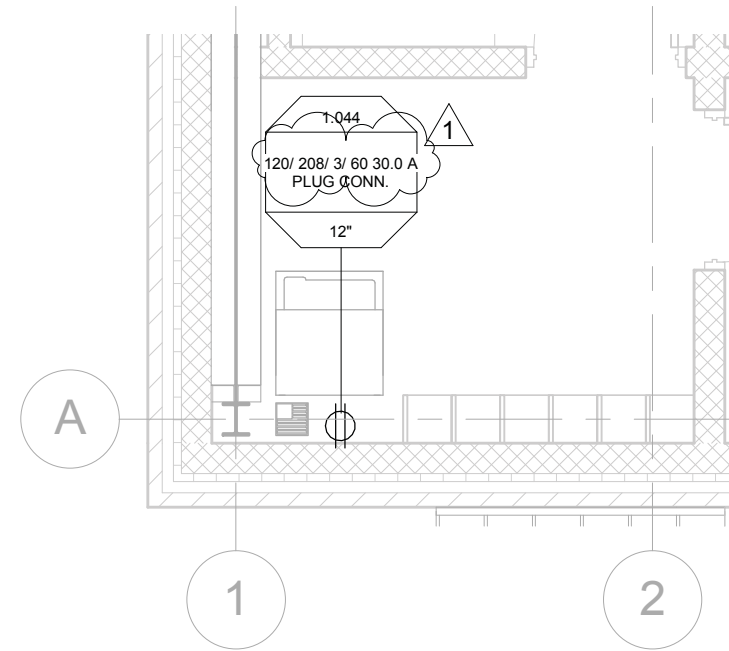
**FIRST FLOOR - CONNECTION
POINT PLANS**

AD2-QF001

Reference DWG.



1 1st FLR-CLR ADDITION - MECH. & PLBG. CONN. POINTS
1/4" = 1'-0"



2 1st FLR-CLR ADDITION - ELEC. CONN. POINTS
1/4" = 1'-0"





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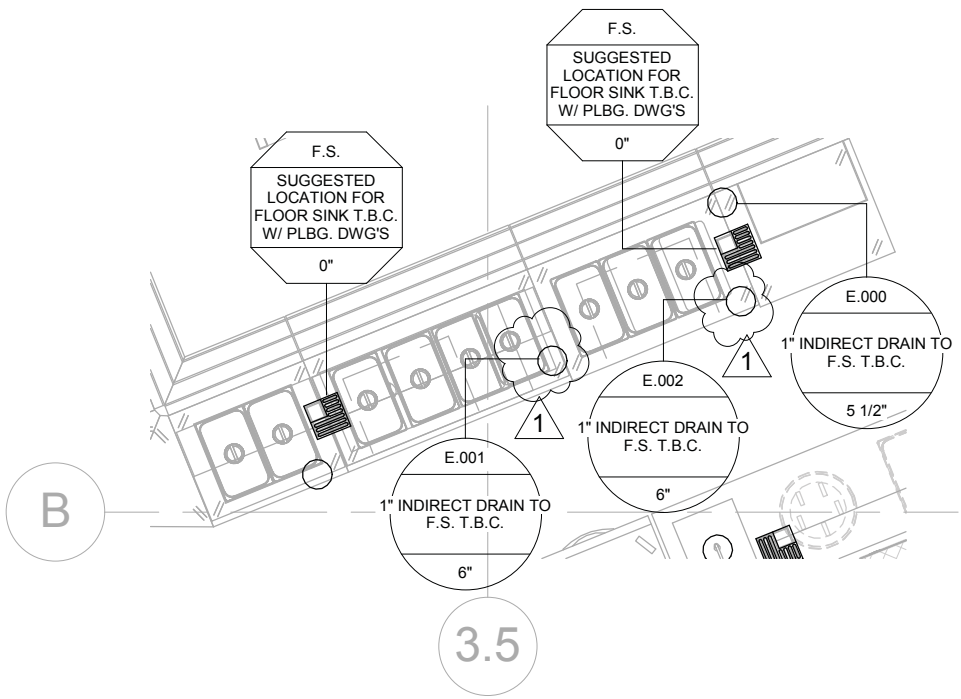
Revisions

1 2/28/18 BID
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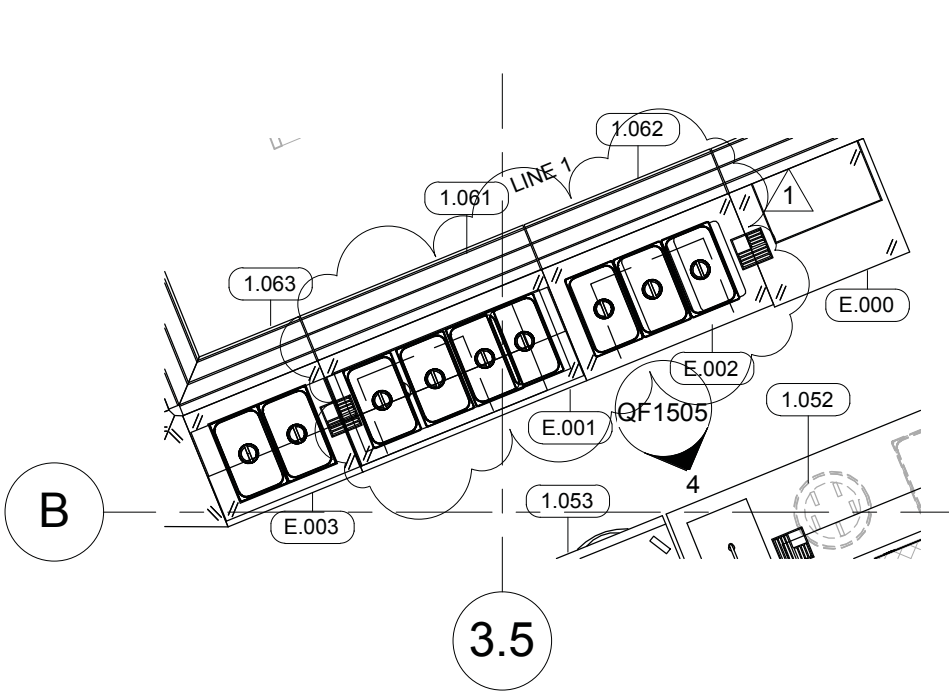
**FIRST FLOOR - FLOOR &
CONNECTION POINT PLANS**

AD2-QF002

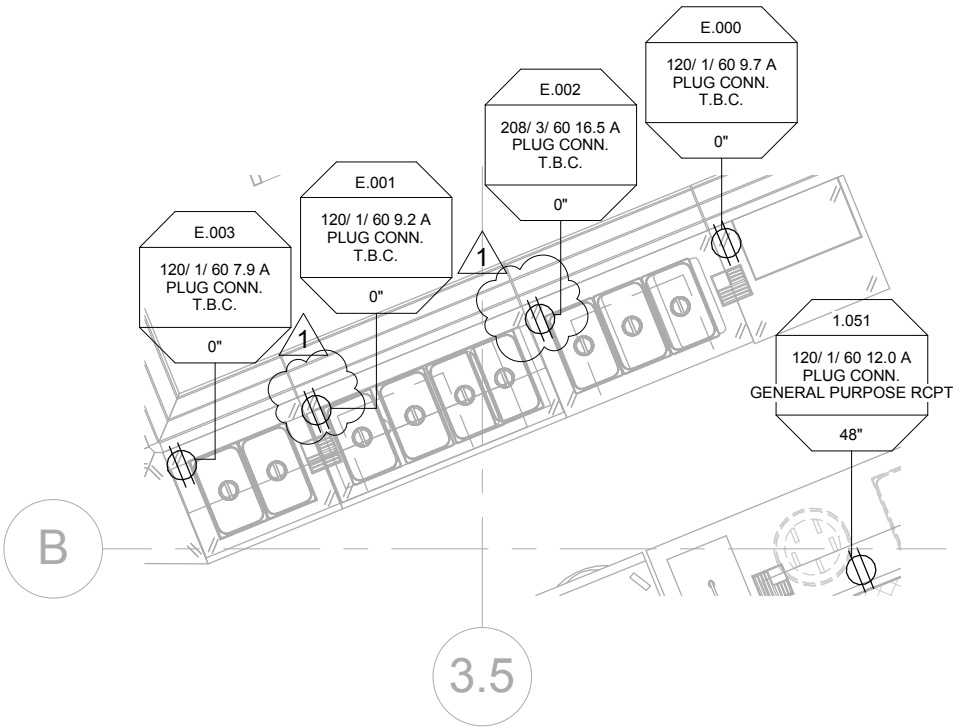
Reference DWG.



2 1st FLR-CLR ADDITION - MECH. & PLBG. CONN. POINTS
1/4" = 1'-0"

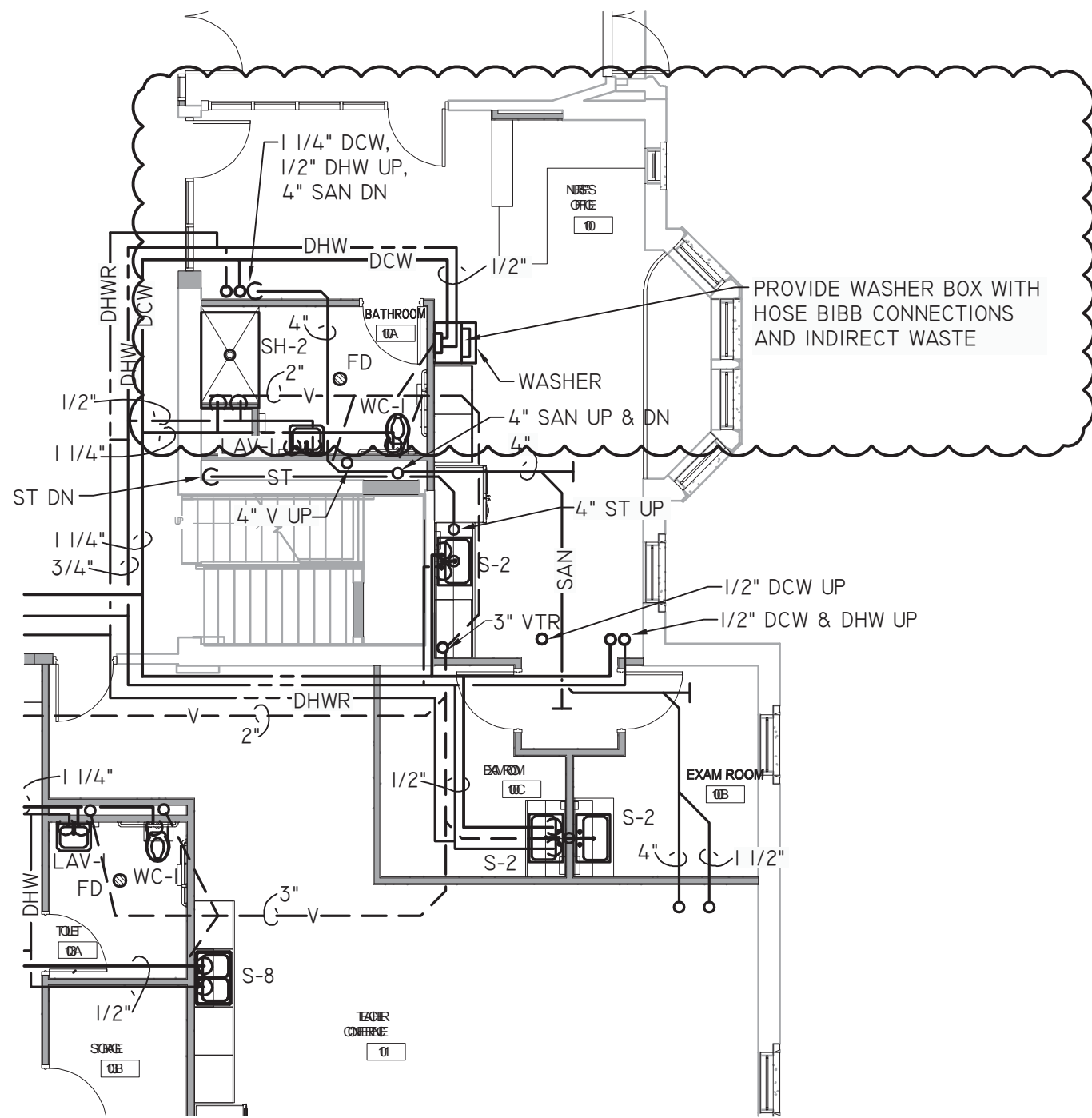


1 1st FLR-CLR ADDITION - ENLARGED PLAN
1/4" = 1'-0"



3 1st FLR-CLR ADDITION - ELEC. CONN. POINTS
1/4" = 1'-0"

2018-02-26 2:26:31 PM



PROPOSED PARTIAL FIRST FLOOR AREA B PLUMBING PLAN

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



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2 2/28/18 BID ADDENDUM #2

REVISION TO PLUMBING

AD2-P001

Reference DWG
P1103

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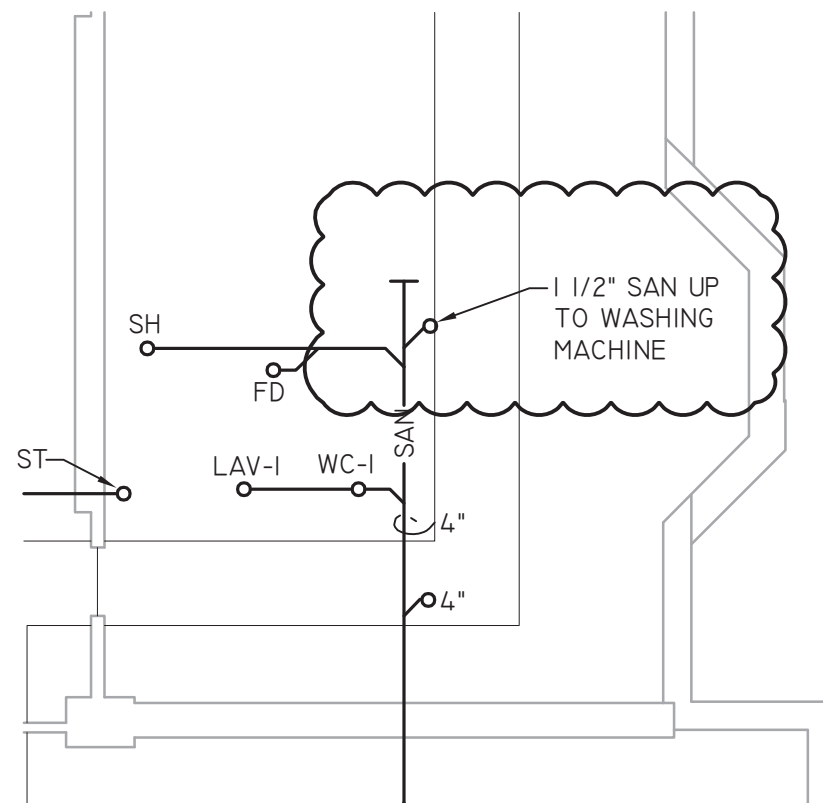
Revisions

2 2/28/18 BID ADDENDUM #2

REVISION TO SANITARY

AD2-P002

Reference DWG
P1101



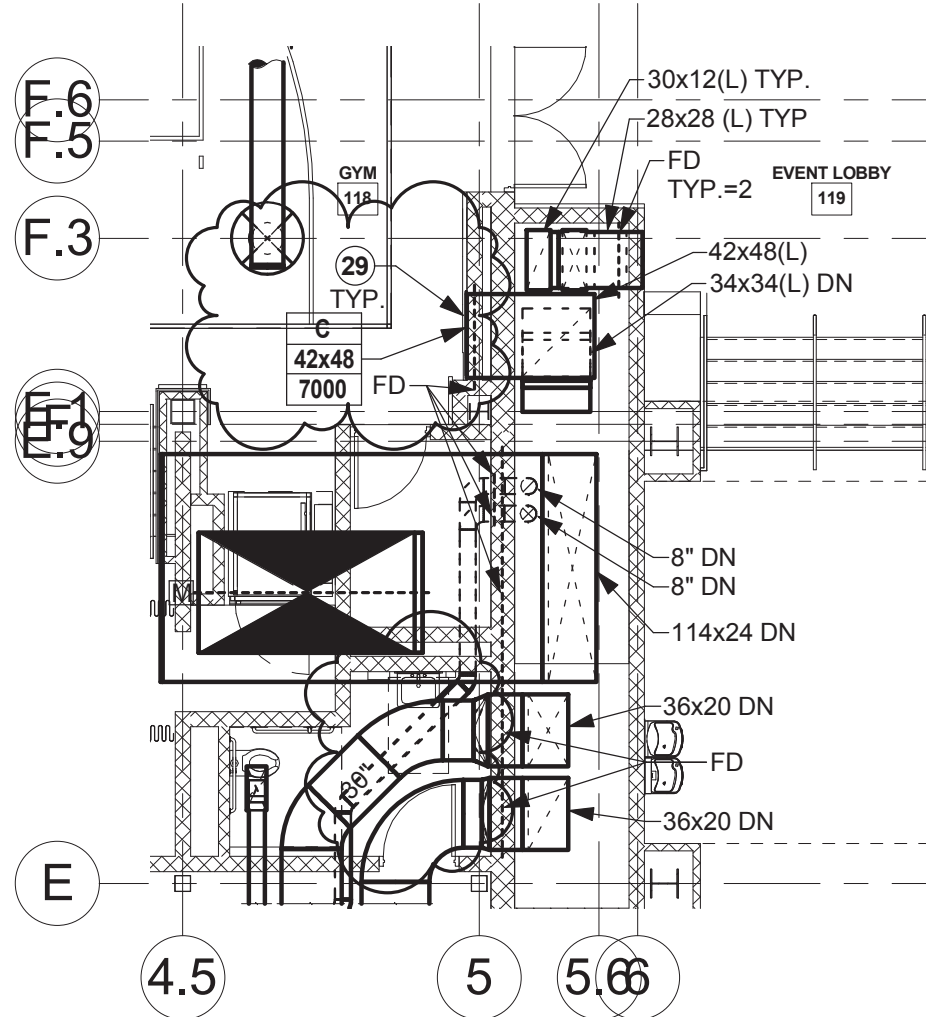
PROPOSED PARTIAL LOWER LEVEL AREA B PLUMBING PLAN

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

AD2-H002 DRAWING NOTES

29

BOTTOM OF RETURN GRILLE SHALL BE 3' ABOVE FINISHED FLOOR.



1 PARTIAL FIRST FLOOR PLAN - HVAC DUCTWORK
1/8" = 1'-0"



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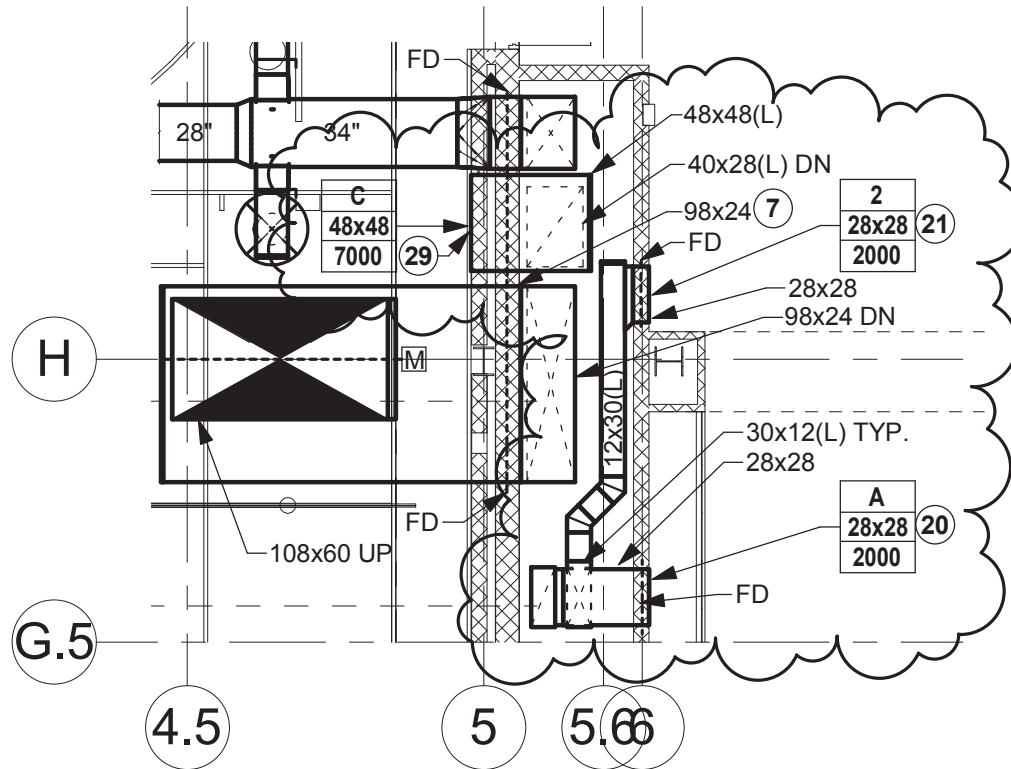
**PARTIAL FIRST FLOOR PLAN -
HVAC DUCTWORK**

AD2-H002

Reference DWG. H1202

AD2-H003 DRAWING NOTES

- 7 PITCH OUTSIDE AIR DUCTWORK DOWN TOWARD CHASE MINIMUM 1/16" PER FOOT. ALL JOINTS AND SEAMS TO BE FULLY WELDED. PROVIDE PAINTABLE INSULATION.
- 20 BOTTOM OF RETURN GRILLE SHALL BE 25' ABOVE FINISHED FLOOR.
- 21 BOTTOM OF SUPPLY GRILLE SHALL BE 2' ABOVE FINISHED FLOOR.
- 29 BOTTOM OF RETURN GRILLE SHALL BE 3' ABOVE FINISHED FLOOR.



1 PARTIAL FIRST FLOOR PLAN - HVAC DUCTWORK
1/8" = 1'-0"



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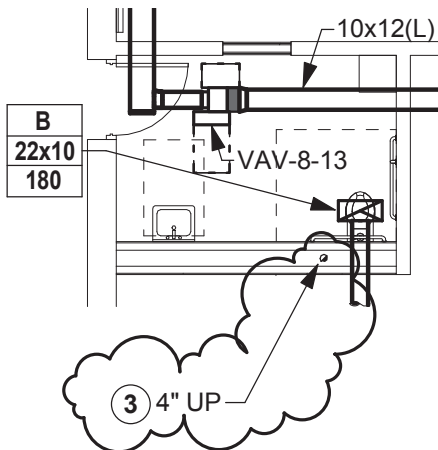
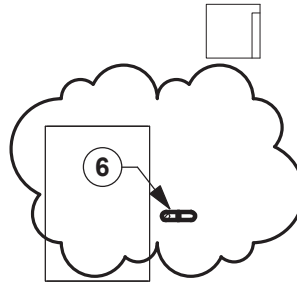
**PARTIAL FIRST FLOOR PLAN -
HVAC DUCTWORK**

AD2-H003

Reference DWG. H1202

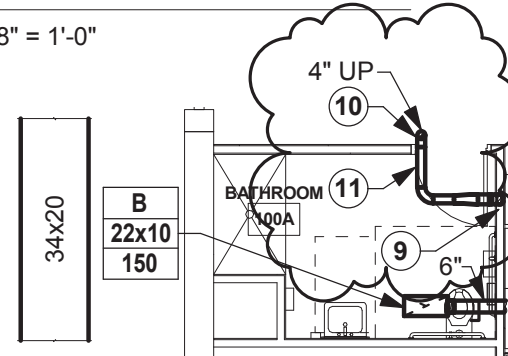
AD2-H004 DRAWING NOTES

- 3 4" DRYER EXHAUST UP TO GOOSENECK ON ROOF. EXHAUST DUCTWORK SHALL BE INSULATED 15 FEET FROM ROOF PENETRATION.
- 6 PROVIDE DRYER EXHAUST GOOSENECK. TERMINATION SHALL BE 24" ABOVE FINISHED ROOF.
- 9 PROVIDE 4" FLAT OVAL DUCTWORK DOWN TO DRYER BOX. COORDINATE THE HEIGHT OF THE DRYER BOX WITH PROVIDED DRYER. DRYER BOX SHALL BE MODEL DB-350 OR EQUAL.
- 10 4" DRYER EXHAUST UP TO GOOSENECK ON THE ROOF. COORDINATE THE LOCATION OF THE DUCT WITH PLUMBING IN THE CHASE ABOVE.
- 11 PROVIDE A CLEANOUT IN THE 4" DRYER EXHAUST DUCTWORK.



2 PARTIAL SECOND FLOOR PLAN - HVAC DUCTWORK
1/8" = 1'-0"

3 PARTIAL ROOF PLAN PART B AD2-H004
1/8" = 1'-0"



1 PARTIAL FIRST FLOOR PLAN - HVAC DUCTWORK
1/8" = 1'-0"



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PARTIAL FLOOR PLANS - HVAC DUCTWORK

AD2-H004

Reference DWG. H1203/H1205/H1207



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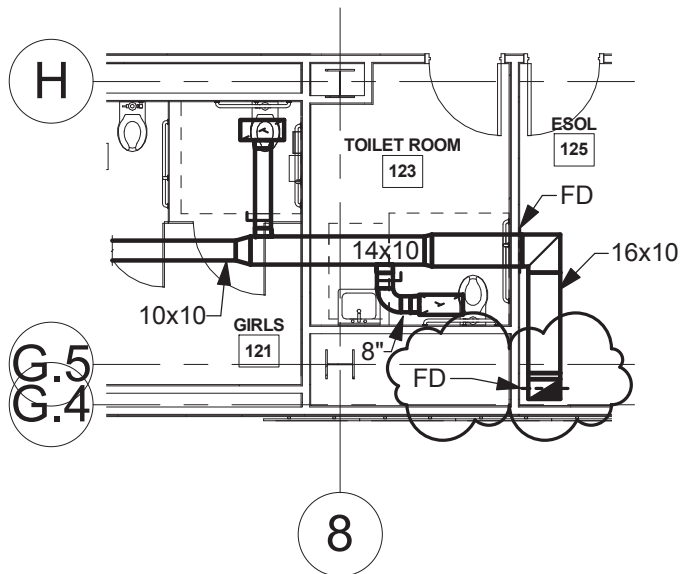
Date **02/28/18** SEI Project No. **17-3016**

Revisions

**PARTIAL FIRST FLOOR PLAN -
HVAC DUCTWORK**

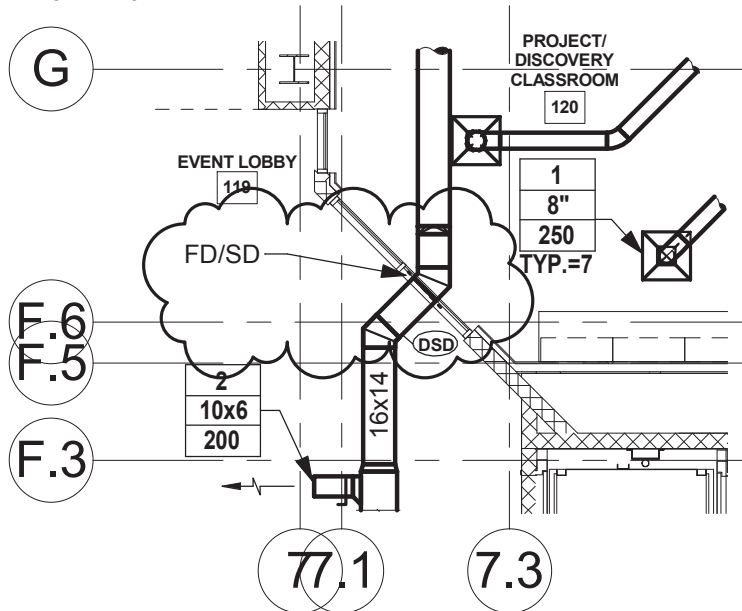
AD2-H005

Reference DWG. H1202



2 PARTIAL FIRST FLOOR PLAN - HVAC DUCTWORK

1/8" = 1'-0"



1 PARTIAL FIRST FLOOR PLAN - HVAC DUCTWORK

1/8" = 1'-0"



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SCHEDULE-HVAC

AD2-H006

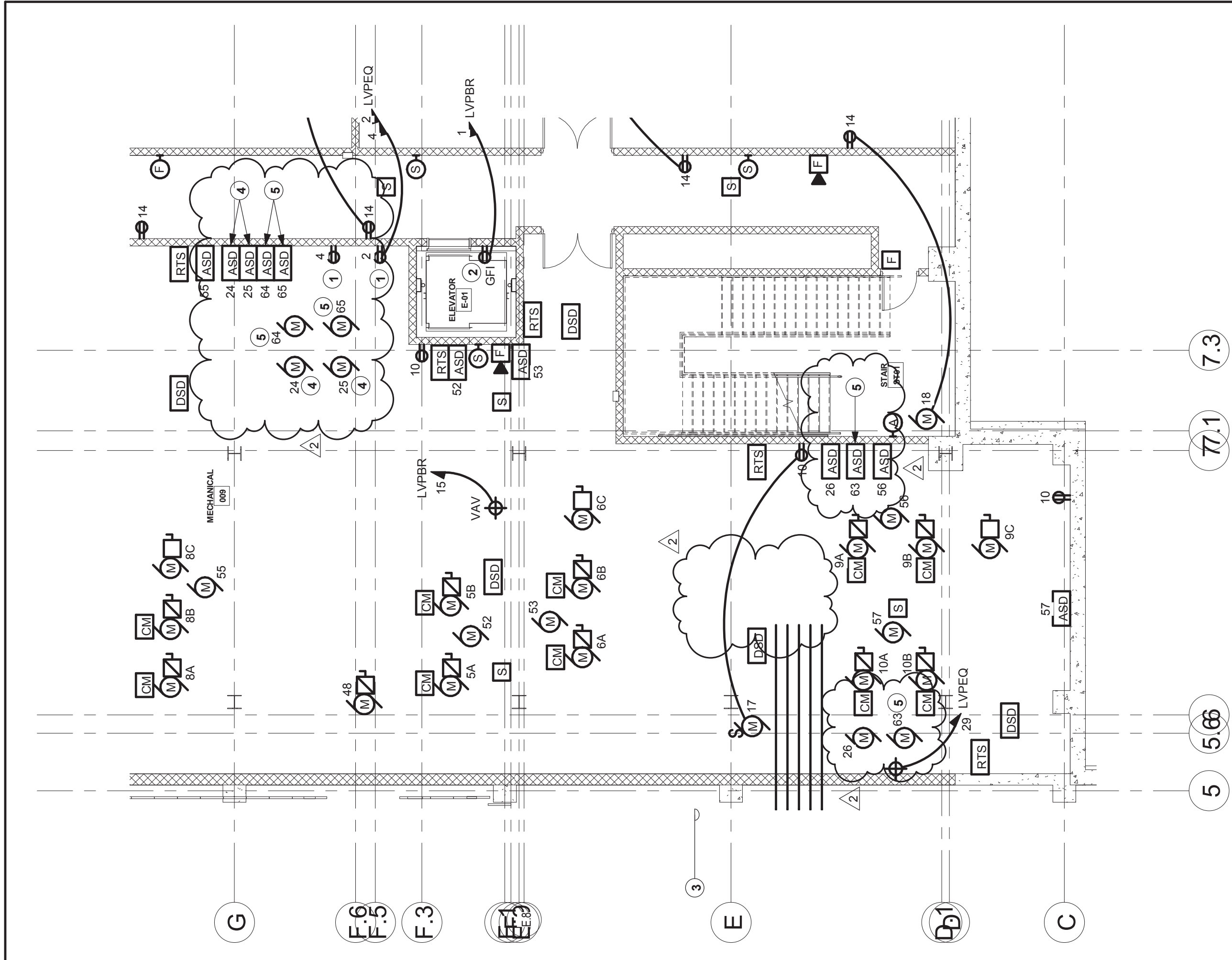
Reference DWG. H1600

PUMP SCHEDULE

PUMP NO.	LOCATION	SERVICE	UNIT TYPE & DESCRIPTION	PUMP CAPACITY			MOTOR CHARACTERISTICS					IMPELLER SIZE (DIA. In.)	FLUID TEMP. (°F)	MIN. PUMP EFF. (%)	MAX. BHP
				FLOW (GPM)	TOTAL HEAD IN FEET	MAX WWP	RPM	HP	VOLTS	PHASE	STARTER				
BP-001	MECH ROOM	B-001	INLINE PUMP	72	25	-	1750	1	208	3	VFD BY DIV 26	5.4"	180	65	.83
BP-002	MECH ROOM	B-002	INLINE PUMP	72	25	-	1750	1	208	3	VFD BY DIV 26	5.4"	180	65	.83
BP-003	MECH ROOM	B-003	INLINE PUMP	72	25	-	1750	1	208	3	VFD BY DIV 26	5.4"	180	65	.83
HWP-001	MECH ROOM	HW LOOP	BASE MTD	430	80	-	1750	15	208	3	VFD BY DIV 26	9.8"	180	76	13.07
HWP-002	MECH ROOM	HW LOOP	BASE MTD	430	80	-	1750	15	208	3	VFD BY DIV 26	9.8"	180	76	13.07
HWCP-1	MECH ROOM	AHU-1	INLINE	23	20	-	3450	1/3	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-2	MECH ROOM	AHU-2	INLINE	29	20	-	3450	1/3	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-3	MECH ROOM	AHU-3	INLINE	29	20	-	3450	1/3	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-4	MECH ROOM	AHU-4	INLINE	29	20	-	3450	1/3	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-5	MECH ROOM	AHU-5	INLINE	19	20	-	3450	1/6	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-6	MECH ROOM	AHU-6	INLINE	26	20	-	3450	1/3	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-7	MECH ROOM	AHU-7	INLINE	10	20	-	3250	1/6	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-8	MECH ROOM	AHU-8	INLINE	7	20	-	3250	1/8	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
HWCP-9	MECH ROOM	AHU-9	INLINE	22	20	-	3450	1/3	115	1	VFD BY DIV 26	N/A	180	N/A	N/A
CWP-001	MECH ROOM	CW LOOP	BASE MTD	170	70	-	1750	7.5	208	3	VFD BY DIV 26	8.5"	44	69	6.25
CWP-002	MECH ROOM	CW LOOP	BASE MTD	170	70	-	1750	7.5	208	3	VFD BY DIV 26	8.5"	44	69	6.25
CWP-003	MECH ROOM	CHILLER PUMP	BASE MTD	115	35	-	1750	2	208	3	VFD BY DIV 26	6.7"	44	65	1.78
CWP-004	MECH ROOM	CHILLER ALT.	BASE MTD	326	35	-	1750	5	208	3	VFD BY DIV 26	6.4"	44	76	4.36
CWP-005	MECH ROOM	CW LOOP ALT.	BASE MTD	592	90	-	1750	20	208	3	VFD BY DIV 26	9.8"	44	80	20.73
CWP-006	MECH ROOM	CW LOOP ALT.	BASE MTD	592	90	-	1750	20	208	3	VFD BY DIV 26	9.8"	44	80	20.73

SUCTION & DISCHARGE SIZES	TRIPLE DUTY VALVE SIZE	SUCTION DIFFUSER SIZE	MANUFACTURER & MODEL No.	REMARKS
2"x 2"	N/A	N/A	TACO 1935	
2"x 2"	N/A	N/A	TACO 1935	
2"x 2"	N/A	N/A	TACO 1935	
4"x 3"	5"	5"x 4"	TACO FI3011	
4"x 3"	5"	5"x 4"	TACO FI3011	
1-1/2"	N/A	N/A	TACO 2400-45	
1-1/2"	N/A	N/A	TACO 2400-45	
1-1/2"	N/A	N/A	TACO 2400-45	
1-1/2"	N/A	N/A	TACO 2400-45	
1-1/2"	N/A	N/A	TACO 2400-30	
1-1/2"	N/A	N/A	TACO 2400-45	
1-1/2"	N/A	N/A	TACO 0013-F3	
1-1/2"	N/A	N/A	TACO 0011-F4	
1-1/2"	N/A	N/A	TACO 2400-30	
2-1/2"x 2"	6"	4"x 2-1/2"	TACO FI2009C	BASE BID
2-1/2"x 2"	6"	4"x 2-1/2"	TACO FI2009C	BASE BID
2-1/2"x 1-1/2"	3"	3"x 2-1/2"	TACO FI1507	BASE BID
4"x 3"	5"	5"x 4"	TACO FI3007	COOLING ALTERNATE No. 1
5"x 4"	6"	6"x 5"	TACO FI4011C	COOLING ALTERNATE No. 1
5"x 4"	6"	6"x 5"	TACO FI4011C	COOLING ALTERNATE No. 1

2/27/2018 9:57:17 AM



1 PARTIAL LOWER LEVEL PLAN - POWER AND SS
1/8" = 1'-0"



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Revisions

PARTIAL LOWER LEVEL PLAN - POWER AND SS

AD2-E001

Reference DWG. E1200



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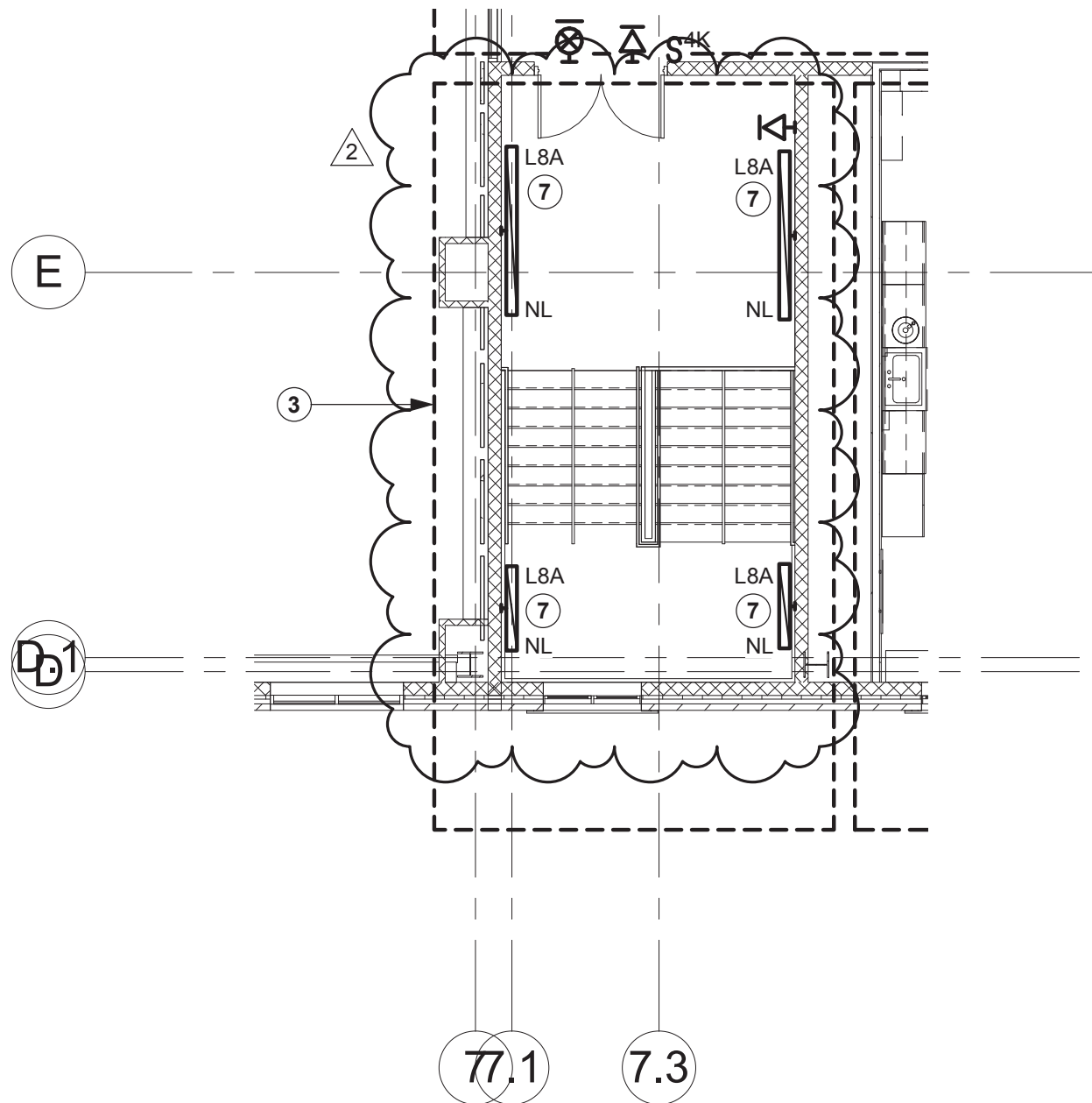
Date **02/28/18** SEI Project No. **17-3016**

Revisions

**PARTIAL SECOND FLOOR PLAN
- LIGHTING**

AD2-E002

Reference DWG. E1304



1 PARTIAL SECOND FLOOR PLAN - LIGHTING
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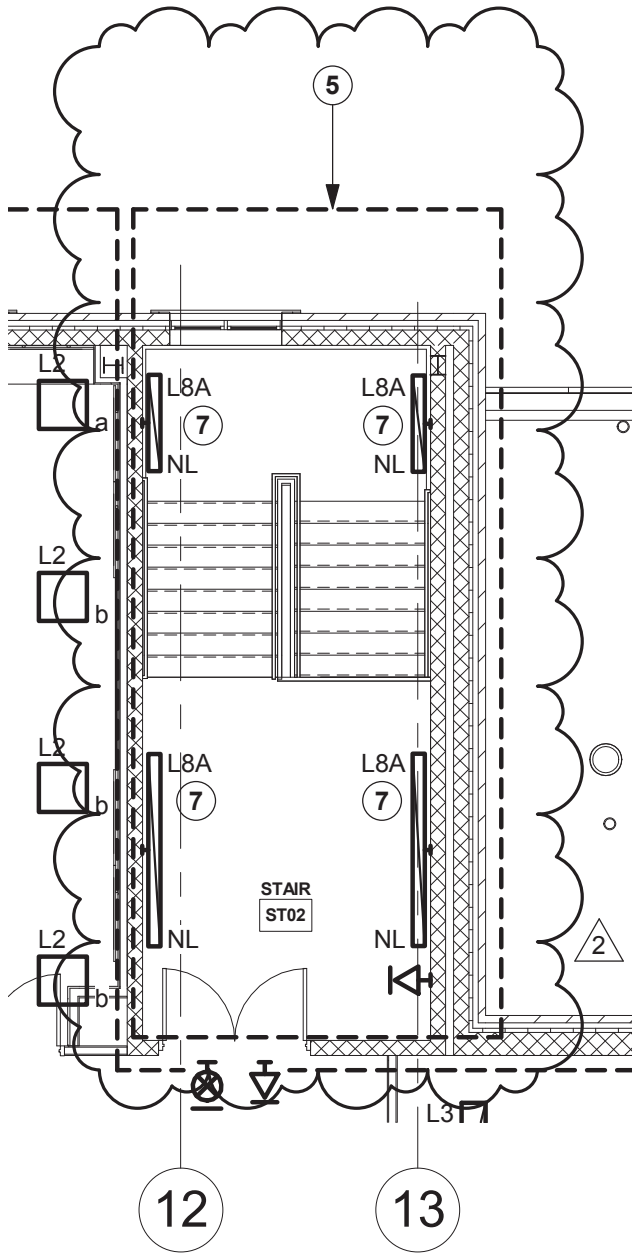
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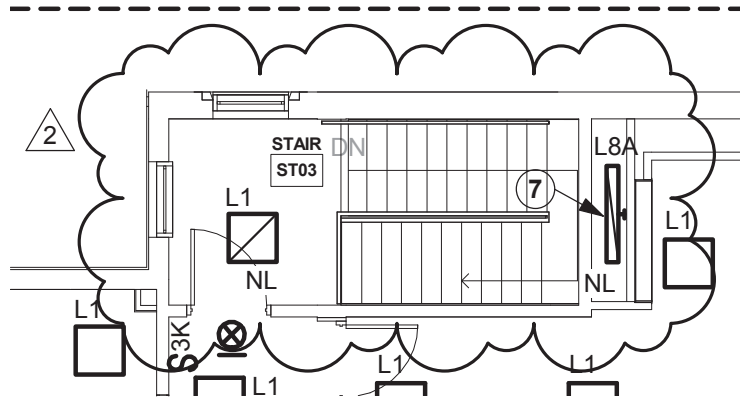
**PARTIAL SECOND FLOOR PLAN
- LIGHTING**

AD2-E003

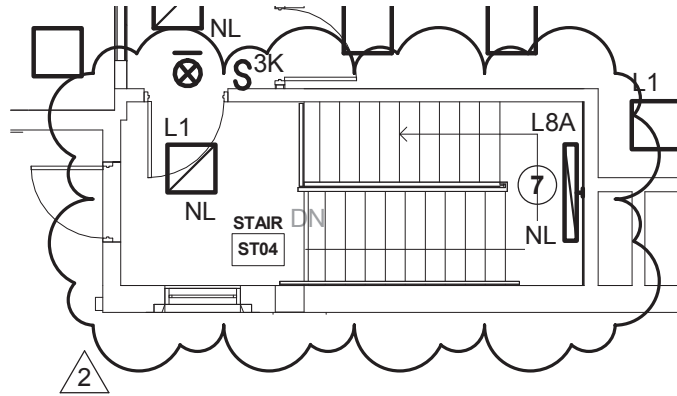
Reference DWG. E1305



1 PARTIAL SECOND FLOOR PLAN - LIGHTING
1/8" = 1'-0"



2 PARTIAL SECOND FLOOR PLAN - LIGHTING
1/8" = 1'-0"



3 PARTIAL SECOND FLOOR PLAN - LIGHTING
1/8" = 1'-0"

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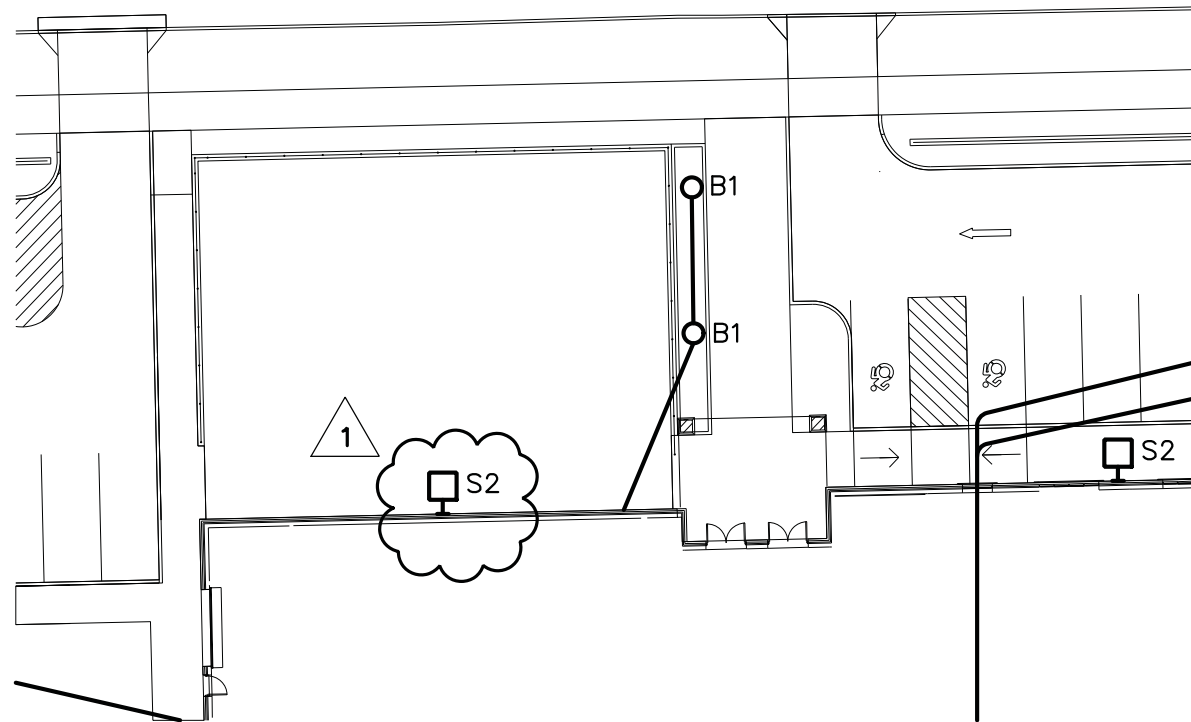
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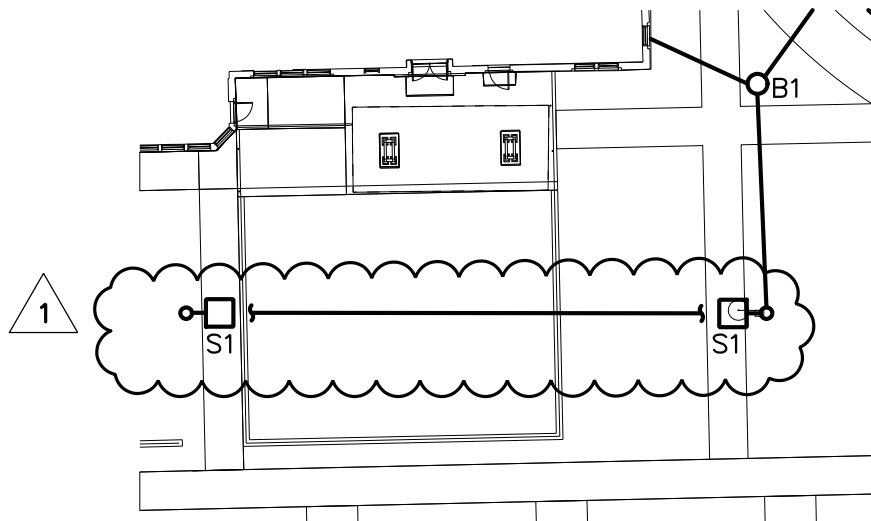
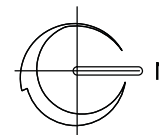
**PARTIAL SITE PLAN -
ELECTRICAL**

AD2-E004

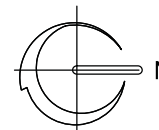
Reference DWG. E1502



1 PARTIAL SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"



2 PARTIAL SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"



PANELBOARD SCHEDULE

PANEL INFORMATION		TYPE		VOLTAGE RATING			MAIN AMPERE RATING		KAIC (RMS SYM)	MOUNT		BRANCH CIRCUIT DEVICES					TOTAL NO. OF CIRCUITS	NOTES
		DIST.	BRANCH CIR.									QUANTITY			FRAME / SWITCH SIZE	TRIP / FUSE SIZE-FU		
NAME			VOLT	PHASE	WIRE	MLO	MCB	F	S	ACTIVE	SPARE	SPACE						
MDPA (BASE) 1			480/277	3	4		1000A		65k		X	3	1		100A	3	72	PROVIDE SWITCHBOARD SEE NOTE 1
	2	1										8		225A	3			
	2											5	400A	400A	3			
	1													150A	3			
	1													60A	3			
HVPS (BASE) 1	X		480/277	3	4	400		65k		X	1			30A	3	42	SEE NOTE 2 1	
	1												35A	3				
	2												40A	3				
	1												50A	3				
	2												100A	3				
	1												125A	3				
	5										10		20A	1				
	1												20A	3				
	3	1											100A	3				
	2	1									9		225A	3				
MDPA (ALT)			480/277	3	4		1000A		65k		X	3	1		100A	3	72	PROVIDE SWITCHBOARD SEE NOTE 1
	2	1										9		225A	3			
	3											4	400A	400A	3			
	1													60A	3			
	1																	
HVPS (ALT)	X		480/277	3	4	400		65k		X	1			70A	3	42	SEE NOTE 2	
	1												35A	3				
	2												40A	3				
	1												50A	3				
	2												100A	3				
	1												125A	3				
	5										7		20A	1				
	2												20A	3				
LVP1		X	208/120	3	4	225		22k		X	1	36	20	26	20A	1	84	20" WIDE PANEL 1
	1													30A	2			

PANELBOARD SCHEDULE NOTES:

- PROVIDE MDPA (BASE) AS PART OF BASE BID, DELETE AS PART OF ALTERNATE #1. PROVIDE MDPA (ALT) AS PART OF ALTERNATE #1.
- PROVIDE HVPS (BASE) AS PART OF BASE BID, DELETE AS PART OF ALTERNATE #1. PROVIDE HVPS (ALT) AS PART OF ALTERNATE #1.



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PANELBOARD SCHEDULE

AD2-E005

Reference DWG. E1700

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

EQUIPMENT							POWER SOURCE, PROTECTION & WIRING									ITEM ID
ITEM ID	NAME	ROOM LOCATION	HP	PHASE	SYSTEM VOLTS	MCA or SYSTEM AMPS	PANEL or CONTROL CENTER	CIRCUIT BREAKER or "FU" FOR FUSE	POWER WIRING FROM PANEL TO CONTROL UNIT			POWER WIRING FROM CONTROL UNIT TO EQUIPMENT				
									PHASE	GROUND	CONDUIT	PHASE	GROUND	CONDUIT		
13A	AHU-9 SUPPLY	004	20	3	480	27.0	HVPBR-8,10,12	100/3	3*2	1*8	1 1/4"C	3*8	1*8	3/4"C	13A	
24	CWP-1	009	7 1/2	3	480		HVPS-20,22,24	30/3	3*10	1*10	3.4"C	3*10	1*10	3/4"C	24	
25	CWP-2	009	7 1/2	3	480		HVPS-20,22,24	30/3	3*10	1*10	3.4"C	3*10	1*10	3/4"C	25	
63	CWP-4	009	5	3	480		HVPS-32,34,36	20/3	3*12	1*12	3/4"C	3*12	1*12	3/4"C	63	
64	CWP-5	009	20	3	480		HVPS-38,40,42	20/3	3*8	1*8	3/4"C	3*8	1*8	3/4"C	64	
65	CWP-6	009	20	3	480		HVPS-38,40,42	20/3	3*8	1*8	3/4"C	3*8	1*8	3/4"C	65	

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

ITEM ID	NEMA DEVICE, TYPE AND CONTROLS					SAFETY SWITCH				ITEM ID	
	ADJUSTABLE SPEED DRIVE	ADJUSTABLE SPEED DRIVE WITH BYPASS	PACKAGED CONTROL UNIT FURNISHED BY OTHERS	FIRE ALARM FAN SHUTDOWN REQUIRED	CONTROL DEVICE LOCATION	SWITCH AMPS	FUSE SIZE	LOC.	WEATHER PROOF		REF. NOTES
13A			X	X	AU	60	50	AU			13A
24	X				009					G	24
25	X				009					G	25
63		X			009					F	63
64		X			009					F	64
65		X			009					F	65

REFERENCE NOTES:

F. ALL WORK ASSOCIATED WITH THIS ITEM IS PART OF ALTERNATE #1.

G. PROVIDE WORK ASSOCIATED WITH THIS ITEM AS PART OF BASE BID, DELETE AS PART OF ALTERNATE #1.



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ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

AD2-E006



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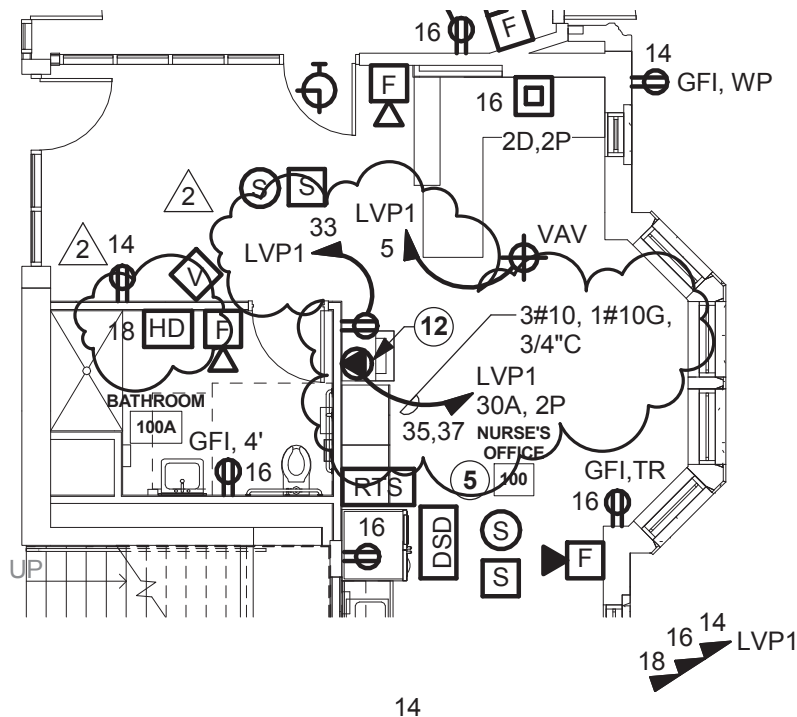
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**PARTIAL FIRST FLOOR PLAN -
POWER AND SS**

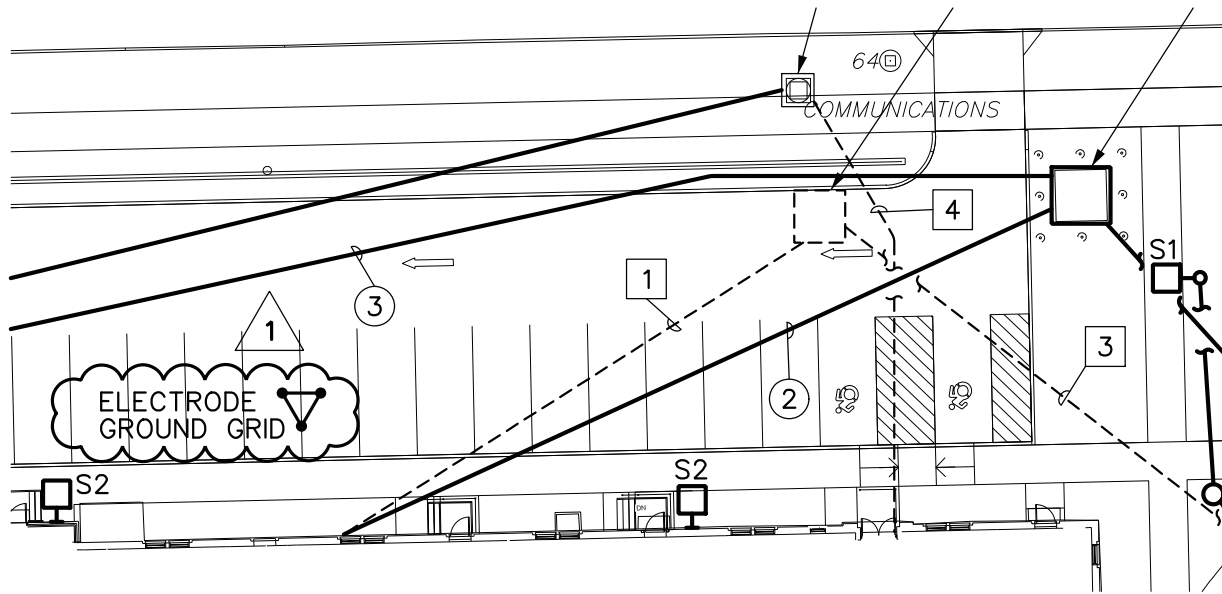
AD2-E008

Reference DWG. E1203

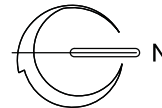


1 PARTIAL FIRST FLOOR PLAN - POWER AND SS
1/8" = 1'-0"

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1 PARTIAL SITE PLAN - ELECTRICAL
 SCALE: 1" = 30'-0"



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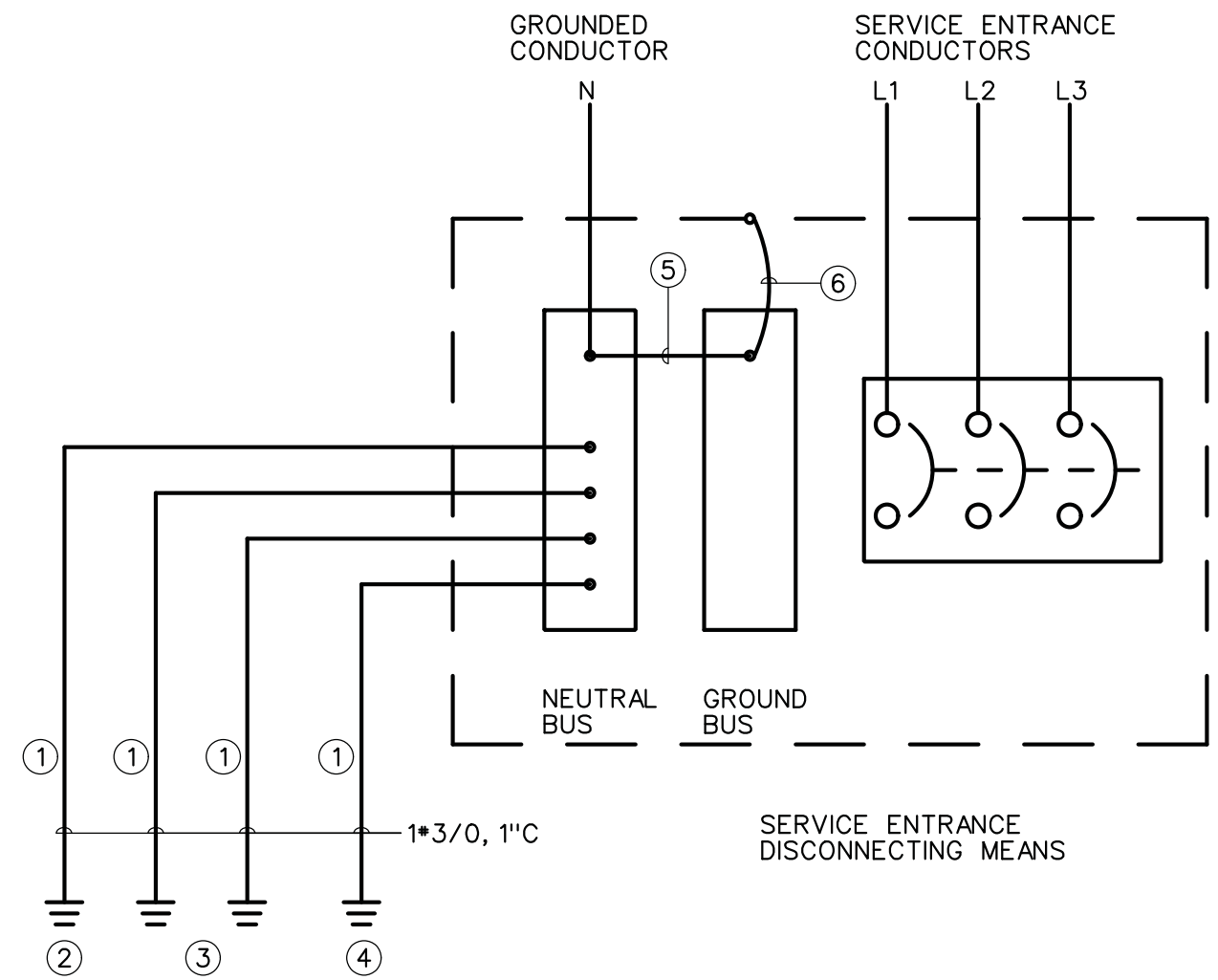
Revisions

**PARTIAL SITE PLAN -
 ELECTRICAL**

AD2-E009

Reference DWG. E1502

1



DETAIL NOTES:

- ① GROUNDING ELECTRODE CONDUCTOR. PROVIDE INSULATED COPPER CONDUCTOR PER SPECIFICATIONS. IF NO SIZE IS SPECIFIED, PROVIDE INSULATED COPPER CONDUCTOR SIZED PER N.E.C., TABLE 250-66. INSTALL IN RIGID, SCHEDULE 80, PVC RACEWAY.
- ② METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR 10 FEET OR MORE. SHALL BE SUPPLEMENTED BY ITEMS 3 & 4.
- ③ BUILDING STRUCTURAL STEEL.
- ④ MADE GROUNDING ELECTRODE. REFER TO MADE GROUNDING ELECTRODE-GROUND GRID" DETAIL & SPECIFICATIONS.
- ⑤ MAIN BONDING JUMPER. PROVIDE INSULATED COPPER CONDUCTOR PER N.E.C. ARTICLE 250-28.
- ⑥ BOND GROUND BUS TO EQUIPMENT ENCLOSURE WITH BARE COPPER BONDING JUMPER PER N.E.C ARTICLE 250-28.

7 SERVICE ENTRANCE GROUNDING
SCALE: NONE



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DETAILS - ELECTRICAL

AD2-E010

Reference DWG. E1604



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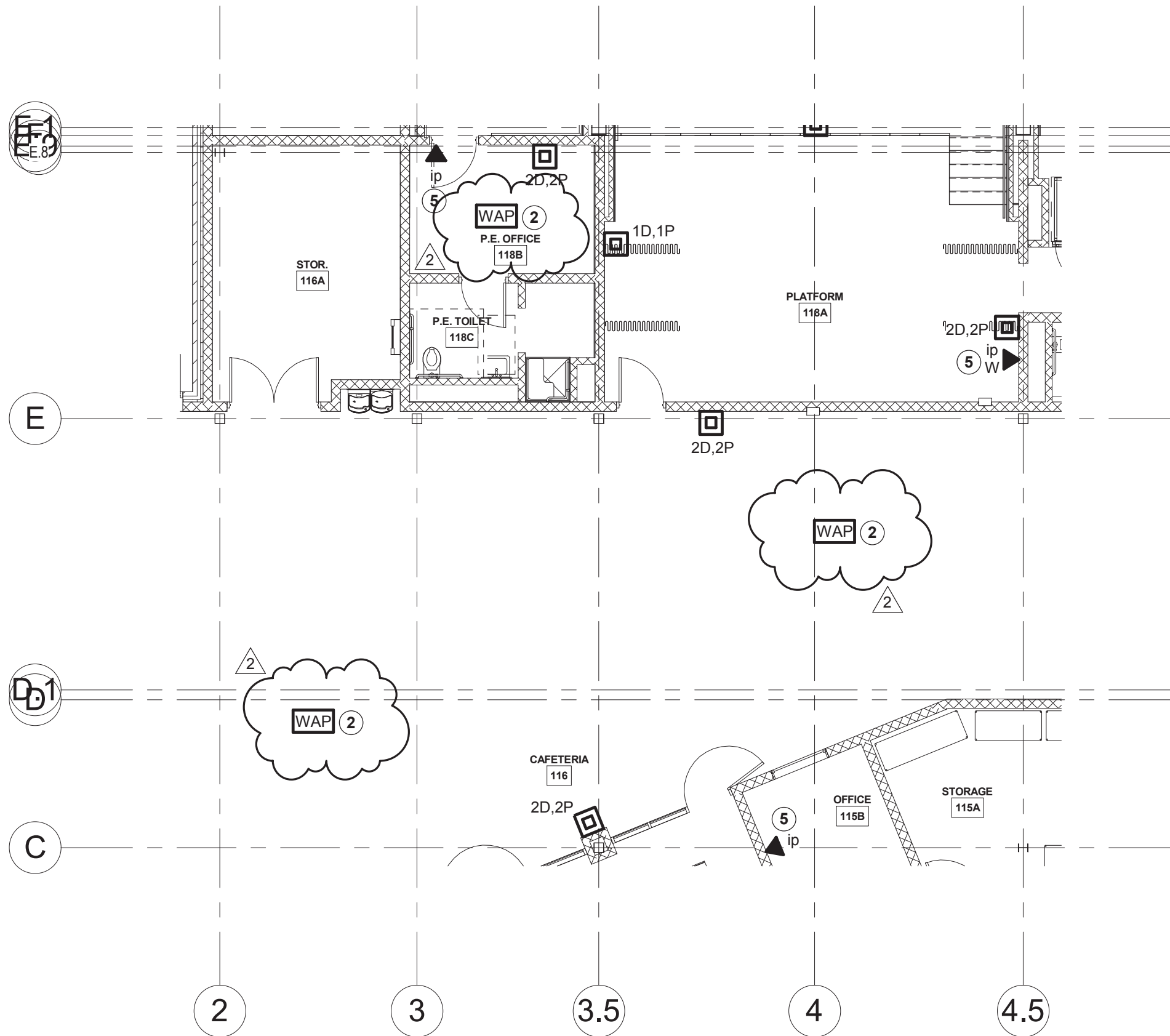
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**PARTIAL FIRST FLOOR PLAN -
DWT**

AD2-E011

Reference DWG. T1202



1 PARTIAL FIRST FLOOR PLAN - DWT
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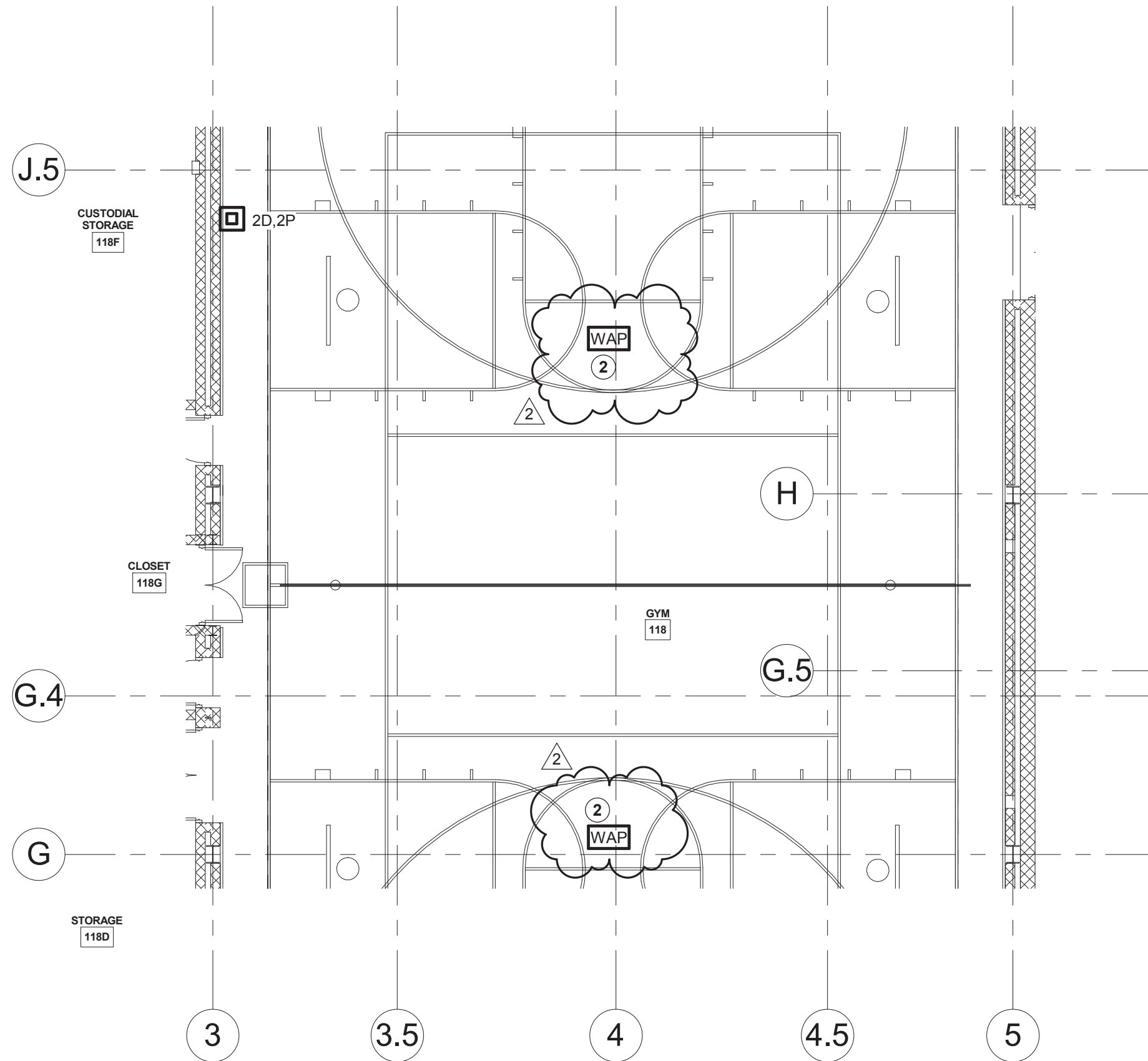
Date **02/28/18** SEI Project No. **17-3016**

Revisions

**PARTIAL FIRST FLOOR PLAN -
DWT**

AD2-E012

Reference DWG. T1202



1 PARTIAL FIRST FLOOR PLAN - DWT
1/8" = 1'-0"

2/27/2018 9:57:18 AM



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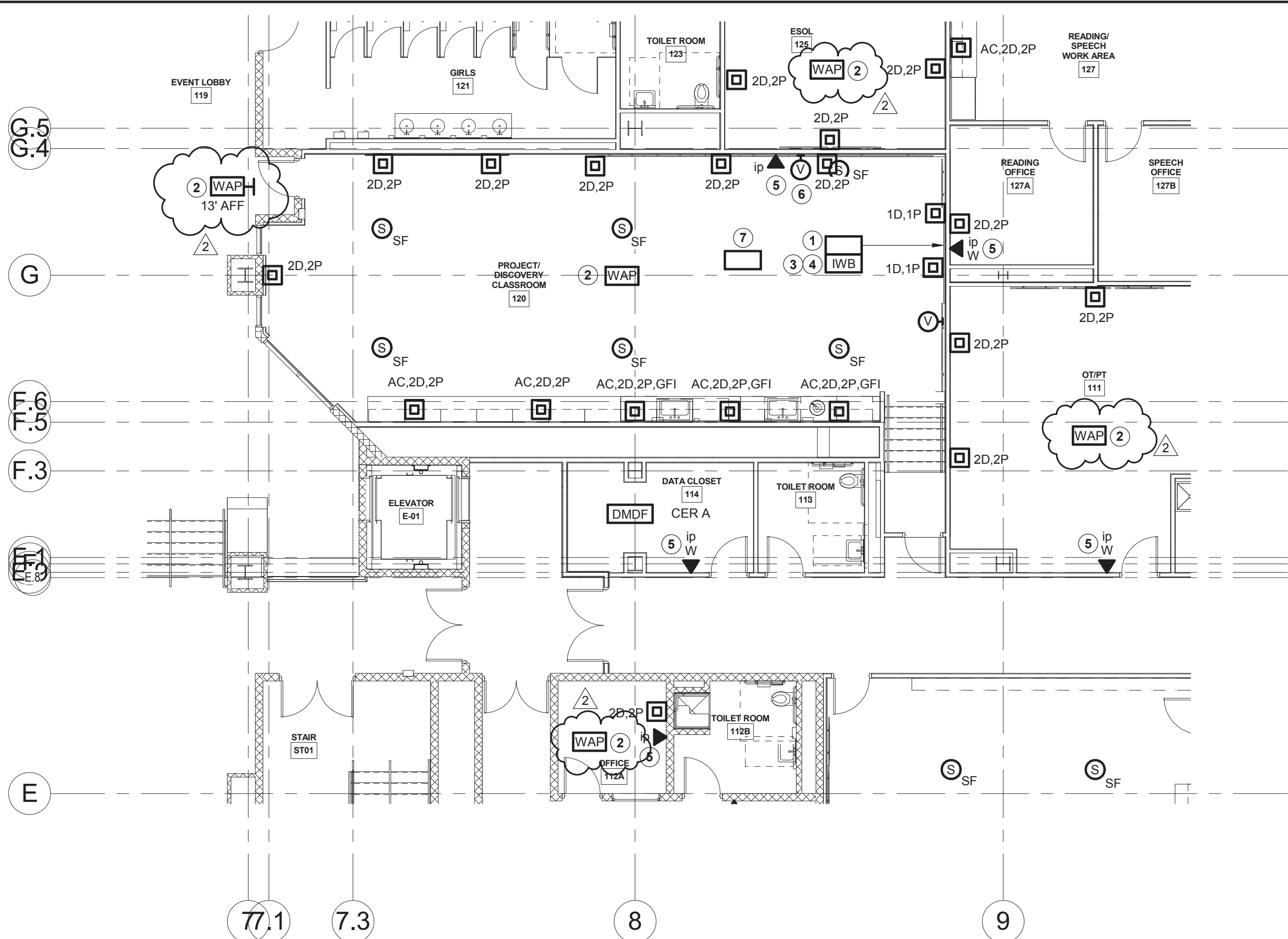
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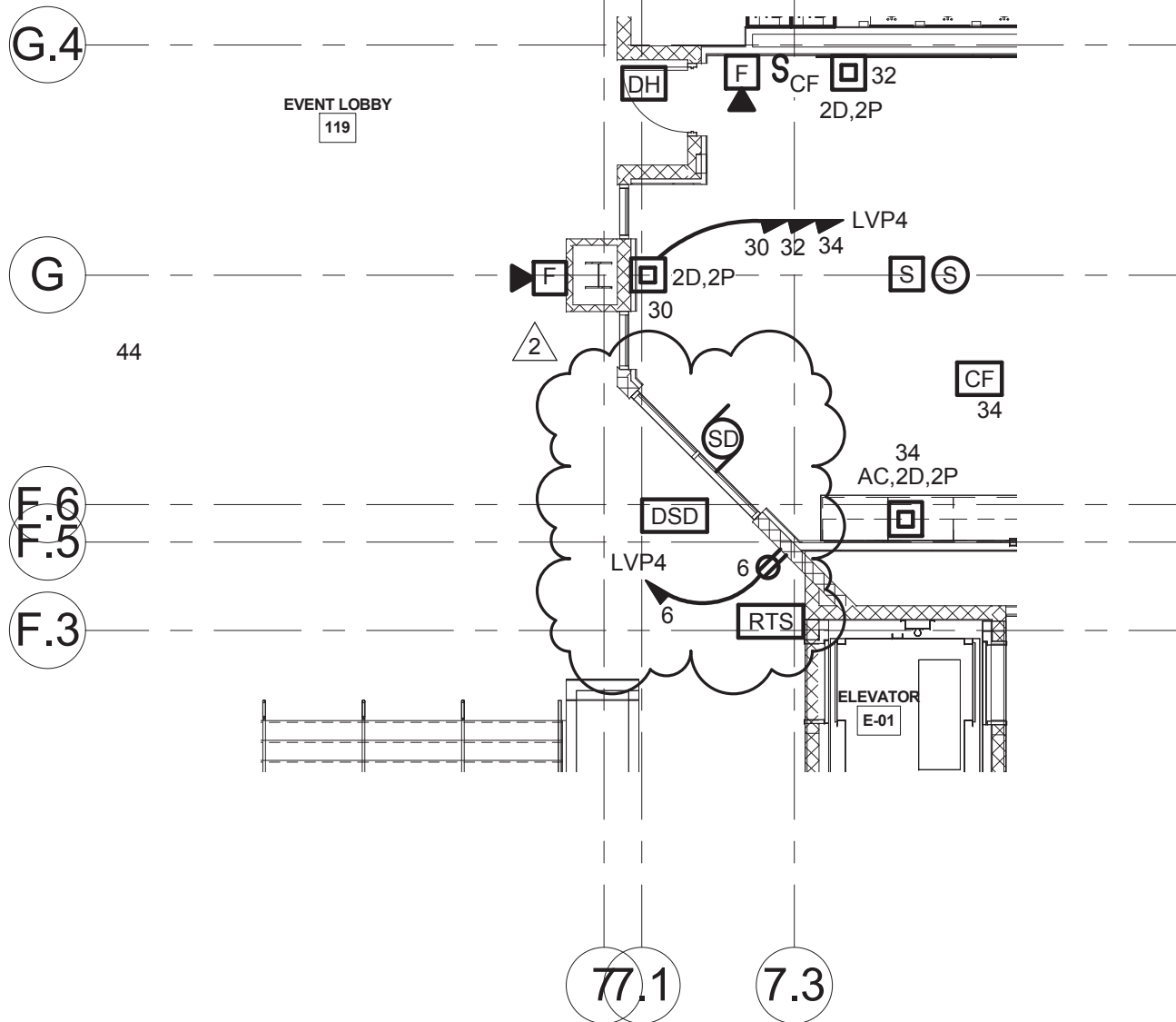
Date **02/28/18** SEI Project No. **17-3016**

Revisions

**PARTIAL FIRST FLOOR PLAN -
POWER AND SS**

AD2-E014

Reference DWG. E1202



1 PARTIAL FIRST FLOOR PLAN - POWER AND SS

1/8" = 1'-0"

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