



















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3/16" = 1'-0"

FOODSERVICE ELECTRICAL SCHEDULE - BASEMENT												
ITEM NO	QTY	DESCRIPTION	AMPS	WATTS	HP	VOLTS	PHASE	CYCLE	CONN TYPE	NEMA	ELEC AFF	ELECTRICAL REMARKS
10.1	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"	
10.2	2	EVAPORATOR COIL, FREEZER	3.40			208	1	60	DIRECT		120"	
10.3	1	CONDENSING UNIT, COOLER	26.40		1	208	3	60	DIRECT		18"	
10.4	1	LIGHT AND DOOR HEAT, FREEZER	10.00			120	1	60	DIRECT		102"	
10.5	1	EVAPORATOR COIL, FREEZER	2.40			208	1	60	DIRECT		120"	
10.6	1	CONDENSING UNIT, FREEZER	32.60			208	3	60	DIRECT		18"	
17	1	SLICER	7.00		1/2	120	1	60	CORD & PLUG	5-15P	48"	
20	1	CUTTER, VEGETABLE	12.00			120	1	60	CORD & PLUG	5-15P	18"	

ELECTRICAL LEGEND	
	DUPLEX OUTLET - WALL
	DUPLEX OUTLET - COUNTER
	DUPLEX OUTLET - FLOOR
	DUPLEX OUTLET - CEILING
	JUNCTION BOX - WALL
	JUNCTION BOX - COUNTER
	JUNCTION BOX - FLOOR
	JUNCTION BOX - CEILING
	SPECIAL OUTLET - WALL
	SPECIAL OUTLET - COUNTER
	SPECIAL OUTLET - FLOOR
	SPECIAL OUTLET - CEILING
	CONVENIENCE OUTLET
	SWITCH
	TELEPHONE CONNECTION
	DATA CONNECTION
	DISTRIBUTION POINT - FLOOR
	DISTRIBUTION POINT - WALL

REMOTE REFRIGERATION WIRING SHOWN FOR INFORMATIONAL PURPOSES ONLY. ACTUAL WIRING TO BE DETERMINED BY COMPRESSOR LOCATION AND BUILDING STRUCTURE IN KEEPING WITH ALL REQUIREMENTS OF SPECIFICATIONS.

FOODSERVICE EQUIPMENT CONTRACTOR TO
PROVIDE HEATER TAPE FOR WALK-IN
FREEZER CONDENSATE DRAIN LINE WITH
INSTALLATION BY ELECTRICAL CONTRACTOR.

UTILITY REQUIREMENTS FOR NEW AND EXISTING EQUIPMENT TO BE FIELD VERIFIED AND ROUGH-IN LOCATIONS COORDINATED WITH EXISTING UTILITY SERVICE. RE-USE OR EXTEND TO EXISTING UTILITY ROUGH-INS WHERE APPLICABLE.

FOODSERVICE ELECTRICAL NOTES

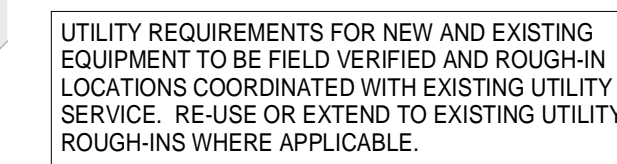
- THIS ELECTRICAL PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES AND ELECTRICAL EQUIPMENT REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN ALL FOODSERVICE EQUIPMENT THAT IS SCHEDULED FOR RE-USE. THIS ELECTRICAL PLAN IS INTENDED TO SHOW ELECTRICAL REQUIREMENTS AND APPROXIMATE ROUGH-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGH-IN. FOR FINAL ROUGH-IN, THE FIELD DIMENSIONS OF THE APPLIANCES SPECIFIED IN THE EQUIPMENT SCHEDULE, CONTRACTOR UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ELECTRICAL CONFLICTS ARE TO BE ALLOWED. THE CONTRACTOR SHALL VERIFY ALL KITCHEN EQUIPMENT CONTRACTOR, PRIOR TO EQUIPMENT INSTALLATION, SHALL CHECK ALL UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY AND ALL DISCREPANCIES BETWEEN THE UTILITY AND FOODSERVICE PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD.
- ELECTRICAL LOADS ARE BASED ON MANUFACTURER'S INFORMATION. MINIMUM CIRCUIT IMPACT AND OVERCURRENT PROTECTION TO BE DETERMINED BY CODE.
- DISCREPANCIES AND/OR CONFLICTS BETWEEN THE UTILITY AND FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER IN ORDER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS AND CEILING AREA, 1 TO 2 INCHES OFF WALLS AND MINIMUM 6" OFF FLOORS.
- ALL ELECTRICAL WORK, LABOR AND MATERIAL, REQUIRED TO CONNECT THIS EQUIPMENT TO BE FURNISHED BY THE CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN FOODSERVICE DOCUMENTS. ELECTRICAL CONTRACTOR IS TO INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO VARIOUS PHASES OF EQUIPMENT REQUIRING SUCH AS: REFRIGERATION, AND THE CONNECTION OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED.
- FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR, INCLUDING ALL REQUIRED MATERIALS SUCH AS: LINE AND DISCONNECT, CONDUIT, FITTINGS, CONDUITS AND CONNECTIONS. ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER, ARE TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. STARTING SWITCHES PROVIDED BY THE MANUFACTURER OF THE EQUIPMENT ARE TO BE INSTALLED AS REQUIRED BY THE EQUIPMENT MANUFACTURERS' (OTHER THAN CUSTOM FABRICATED ITEMS) ARE TO BE MOUNTED AND WIRED COMPLETE UNDER ELECTRICAL CONTRACTOR.
- ELECTRICAL ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING ELECTRICAL PENETRATION OF THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION.
- ELECTRICAL ENGINEER TO LOCATE RECEPTACLES IN STORAGE AREA AS REQUIRED BY LOCAL BUILDING CODE.
- ALL ELECTRICAL COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF THE ITEMS OF FOODSERVICE EQUIPMENT.

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:

- * ELECTRICAL ROUGH-IN.
- * ALL ELECTRIC BUILDING SERVICES INCLUDING BUT NOT LIMITED TO: CONDUIT, WIRING, LINE AND DISCONNECT SWITCHES, SAFETY CUT OFFS AND FITTINGS, CONTROL PANELS, TRANSFORMERS AND FITTINGS, AND ALL OTHERS. COMPLETE INSTALLATION, EXPERT INTERPRETATION OF BLUEPRINTS, AND ALL NECESSARY PERMITS.
- * INTERNAL WIRING AS SPECIFIED, UNLESS INDICATED OTHERWISE ON DRAWINGS.
- * FINAL CONNECTIONS, INCLUDING MOUNTING AND WIRING OF STARTERS AND SWITCHES FURNISHED AS PART OF THE FOODSERVICE EQUIPMENT, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- * ALL ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLETS, JUNCTION BOXES, COVER PLATES, ETC. IN FOODSERVICE ARE MUST BE MOISTURE PROOF.
- * ALL PLUGS AND CORDS SHALL BE N.E.M.A. RATED AND UL APPROVED FOR THE EQUIPMENT AND MANUFACTURED EQUIPMENT.
- * SHUNT-TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE SUPPRESSION SYSTEM SHUT-OFF OR FOOD SERVICE EQUIPMENT BENEATH VENTILATORS AS REQUIRED BY N.E.P.A. 46E AND LOCAL, STATE AND NATIONAL CODES.
- * G.F.I. RECEPTACLES AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. DISCONNECTS OR OTHER DEVICES AS MAY BE REQUIRED BY LOCAL, STATE, AND NATIONAL CODES.
- * RECEPTACLES IN STORAGE AREA AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES.

WHEN APPLICABLE, THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR) AND INTERWIRE BETWEEN THE FOLLOWING:

- EXHAUST HOODS FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH LIGHT FIXTURES, EMPTY CUPBOARD TO J-BOX AND PRE-WIRE PACKAGE. ELECTRICAL CONTRACTOR TO INTERCONNECT TO SWITCHES AND MAKE ALL FINAL CONNECTIONS.
- DISMACHINE SUPPLY UNIT TO BE FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH RECEPTABLES MOUNTED AND CORD & PLUG SETS LOOSE. ELECTRICAL CONTRACTOR TO EXTEND WIRING TO EACH RECEPTABLE ON UTILITY CHASE AND MAKE FINAL CONNECTIONS. ELECTRICAL CONTRACTOR TO CONNECT ALL CORD & PLUG SETS TO DISMACHINE.
- FIRE CONTROL SYSTEM FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH MECHANICAL GAS SHUT-OFF FEATURE. FOODSERVICE EQUIPMENT CONTRACTOR TO INTERCONNECT TO GAS SOLENOID VALVE. SO AS TO SHUT OFF GAS SUPPLY TO DISMACHINE.
- FIRE CONTROL SYSTEM FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH APPLIANCE SHUT-OFF FEATURE. ELECTRICAL CONTRACTOR TO INTERCONNECT TO SHUNT TRIPS PER MANUFACTURERS DIAGRAM. SO AS TO SHUT OFF ALL EQUIPMENT SUPPLY TO DISMACHINE.
- DISMACHINE WILL BE SUPPLIED WITH 120V/208V/240V/3PH/4W/60HZ SERVICE POWER TO ALL ELECTRICALLY OPERATED COOKING EQUIPMENT UNDER HOODS TO BE FROM PANEL, WHERE MAIN BREAKER IS INTERWIRED WITH THE FIRE SUPPRESSION SYSTEM AND/OR FIRE TERMINAL BLOCK IN THE UTILITY DISTRIBUTION SYSTEM SO THAT THE SYSTEM SHUT OFF IS ACHIEVED UNDER ALL COOKING EQUIPMENT OPERATION.
- THE FIRE SUPPRESSION SYSTEM SHALL INTERWIRE BY ELECTRICAL CONTRACTOR, HOOD CONTROLS AND FIRE PROTECTION SYSTEMS EACH REQUIRE EMERGENCY (24 HOUR) SEPARATE CIRCUIT AND ELECTRICAL SERVICE.
- ELECTRICAL CONTRACTOR TO PROVIDE CIRCUITS ON RACK FOR EXHAUST/SUPPLY UNIT, DISMACHINE, REFRIGERATOR, UTILITY HOODS, AND DISMACHINE AND LOCATION OF UNITS WITH GENERAL CONTRACTOR, FINAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
- DISMACHINE SHALL BE FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR, PRE-INSTALLED TO INTEGRAL CONTROL PANEL AND READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
- DISMACHINE SHALL BE FURNISHED WITH EXHAUST FAN CONTROL SWITCH BY FOODSERVICE EQUIPMENT CONTRACTOR. ELECTRICAL CONTRACTOR TO INTERCONNECT TO EXHAUST FAN SO FAN OPERATES WHEN DISMACHINE IS TURNED ON.
- DISMACHINE SHALL BE FURNISHED WITH LIMIT SWITCH BY FOODSERVICE EQUIPMENT CONTRACTOR. ELECTRICAL CONTRACTOR TO INTERCONNECT AND MAKE FINAL CONNECTIONS.
- DISPOSERS SHALL BE FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH SOLENOID VALVE AND AUTO REVERSING CONTROL CENTER WITH MAGNETIC STARTER (S) AND START/STOP BUTTONS FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
- ABS CURTAIN FAN (W/F) FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR. PREWIRED AND READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. FOOD SERVICE EQUIPMENT CONTRACTOR TO FURNISH CORD AND PLUG SETS FOR INSTALLATION TO EQUIPMENT BY ELECTRICAL CONTRACTOR.
- ABS CURTAIN FAN (W/F) FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR. PREWIRED AND READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. FOOD SERVICE EQUIPMENT CONTRACTOR TO PROVIDE MASTER SWITCH AND MAKE FINAL CONNECTIONS.



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FOODSERVICE ELECTRICAL SCHEDULE - FIRST LEVEL

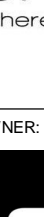



43.1	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"
43.2	1	EVAPORATOR COIL, COOLER	1.00			208	1	60	DIRECT		120"
43.3	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"
43.4	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"
43.5	1	EVAPORATOR COIL	1.40			208	1	60	DIRECT		120"
43.6	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"
43.7	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"
43.8	1	EVAPORATOR COIL, COOLER	1.00			208	1	60	DIRECT		120"
43.9	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"
46	1	MODULAR CUBELET ICE MACHINE - AIR-COOLED	15.20			120	1	60	DIRECT		60"
51	1	DISHWASHER, CONVEYOR TYPE	108.00		3.3	208	3	60			48"
60	1	MIXER, 20 QT	8.00			120	1	60	CORD & PLUG	5-15P	48"
65	1	30QT MIXER	2.80			208	3	60	DIRECT		18"
66	1	HOT HOLDING CABINET	16.70			120	1	60	CORD & PLUG	5-20P	48"
67	1	REFRIGERATOR, ROLL-IN	9.60			120	1	60	CORD & PLUG	5-15P	48"
68	1	GRIDDLE STAND, REFRIGERATOR	6.10			120	1	60	CORD & PLUG	5-15P	18"
72	1	TILT SKILLET, GAS	1.80			120	1	60	CORD & PLUG		18"
73	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"
74	1	HOT CABINET, ROLL-IN	14.50			120/208	1	60	DIRECT		90"
76	1	REFRIGERATOR, REACH-IN	6.50			120	1	60	CORD & PLUG	5-15P	48"
78	1	WORKTOP REFRIGERATOR	7.60		1/4	120	1	60	CORD & PLUG	5-15P	18"
82	2	REFRIGERATOR, WORKTOP	6.60			120	1	60	CORD & PLUG	5-15P	18"
83	3	FRYER	6.10			120	1	60	CORD & PLUG	5-15P	18"
84	1	FRYER DUMP STATION	6.30			120	1	60	CORD & PLUG	5-15P	18"
85	4	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"
87	1	36" OPEN-TOP BURNER RANGE - CONVECTION - OVEN BASE	5.90	708	1/2	120	1	60	CORD & PLUG	5-15P	18"
88	1	GRIDDLE STAND, REFRIGERATOR	7.50			120	1	60	CORD & PLUG	5-15P	18"
91	2	OVEN-STEAMER, COMBINATION, GAS, DOUBLE STACK	15.00	400		120	1	60	CORD & PLUG	5-15P	48"
91	2	OVEN-STEAMER, COMBINATION, GAS, DOUBLE STACK - 2ND CONN	15.00			120	1	60	CORD & PLUG	5-15P	48"
92	1	ROTISSERIE, VERTICAL, GAS	1.30			120	1	60	CORD & PLUG	5-15P	36"
93	1	REFRIGERATOR, UNDERCOUNTER	7.30			120	1	60	CORD & PLUG	5-15P	18"
94	1	REFRIGERATED SANDWICH UNIT	7.30		1/5	120	1	60	CORD & PLUG	5-15P	18"
95	1	CABINET, MOBILE, WARMING & HOLDING	7.50			120	1	60	CORD & PLUG	5-15P	18"
96	6	HEAT LAMP	5.00			120	1	60	DIRECT		18"
97	1	OMS SCREEN - WALL MOUNT	10.00			120	1	60	CORD & PLUG	5-15P	18"
111	3	REFRIGERATED CASE	15.02			120	1	60	CORD & PLUG	5-20P	18"
112	2	HEATED SHELF, DROP-IN	8.30			120	1	60	CORD & PLUG	5-15P	18"
113.1	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"
113.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
113.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
113.3	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
113.4	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"
113.4	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
121	1	FRYER, SPREADER CABINET	6.30			120	1	60	CORD & PLUG	5-15P	18"
123	1	GRIDDLE STAND, REFRIGERATOR	5.70			120	1	60	CORD & PLUG	5-15P	18"
126	2	OVEN-STEAMER, COMBINATION, GAS	15.00	400		120	1	60	CORD & PLUG	5-15P	48"
127	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"
128	1	FREEZER, REACH-IN	6.30		0.5	120	1	60	CORD & PLUG	5-15P	18"
128	1	REFRIGERATED CASE	14.58			120	1	60	CORD & PLUG	5-20P	18"
130	4	DROP-IN, HOT/COLD WELL	12.00		4	120/208	1	60	CORD & PLUG	14-20P	18"
131	1	DROP-IN, HOT/COLD/FREEZE WELL	9.60			120/208	60	60	CORD & PLUG	14-20P	18"
132	2	OMS SCREEN - WALL MOUNT	10.00			120	1	60	CORD & PLUG	5-15P	18"
133	1	DISPLAY CASE, SUSHI PREP	11.30			120/208	1	60	CORD & PLUG	L14-20P	18"
134.1	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"
134.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
134.2	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"
134.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
141	1	GROWING CABINET	4.40			120	1	60	CORD & PLUG	5-15P	48"
150	1	FREEZER, REACH-IN	6.30			120	1	60	CORD & PLUG	5-15P	48"
151	1	GRIDDLE STAND, REFRIGERATOR	6.10			120	1	60	CORD & PLUG	5-15P	18"
155	1	FRYER	6.10			120	1	60	CORD & PLUG	5-15P	24"
156	1	FRYER DUMP STATION	6.30			120	1	60	CORD & PLUG	5-15P	18"
157	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"
158	2	REFRIGERATED SELF-SERVICE CASE - 24"D	16.00			120	1	60	CORD & PLUG	5-20P	18"
159	4	SOUP WARMER/REHEATER	6.70			120	1	60	CORD & PLUG	5-15P	18"
160	3	SANDWICH UNIT, REFRIGERATED	7.60		1/4	120	1	60	CORD & PLUG	5-15P	18"
161.1	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"
161.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
161.4	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"
161.4	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
161.5	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"
161.5	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"
170	3	LCD SCREEN	10.00			120	1	60	CORD & PLUG	5-15P	72"
171	9	OSM SCREEN	10.00			120	1	60	CORD & PLUG	5-15P	72"
172	1	ICE MAKER & DISPENSER	8.50			120	1	60	DIRECT		48"
173	1	MULTI BEVERAGE DISPENSER	10.00			120	1	60	CORD & PLUG	5-15P	72"
174	6	MENU SCREEN	10.00			120	1	60	CORD & PLUG	5-15P	72"
180	1	REFRIGERATED DISPLAY CASE	5.70	656	1/3	120	1	60	CORD & PLUG	5-15P	18"
182	1	SANDWICH UNIT, REFRIGERATED	6.30			120	1	60	CORD & PLUG	5-15P	18"
183	2	UNDERCOUNTER REFRIGERATOR, GLASS DOOR	7.40		1/4	120	1	60	CORD & PLUG	5-15P	18"
184	2	SLICER	7.00		1/2	120	1	60	CORD & PLUG	5-15P	36"
185	2	SANDWICH PRESS	26.00			208	1	60	CORD & PLUG	6-30P	36"



FOODSERVICE ELECTRICAL SCHEDULE - FIRST LEVEL

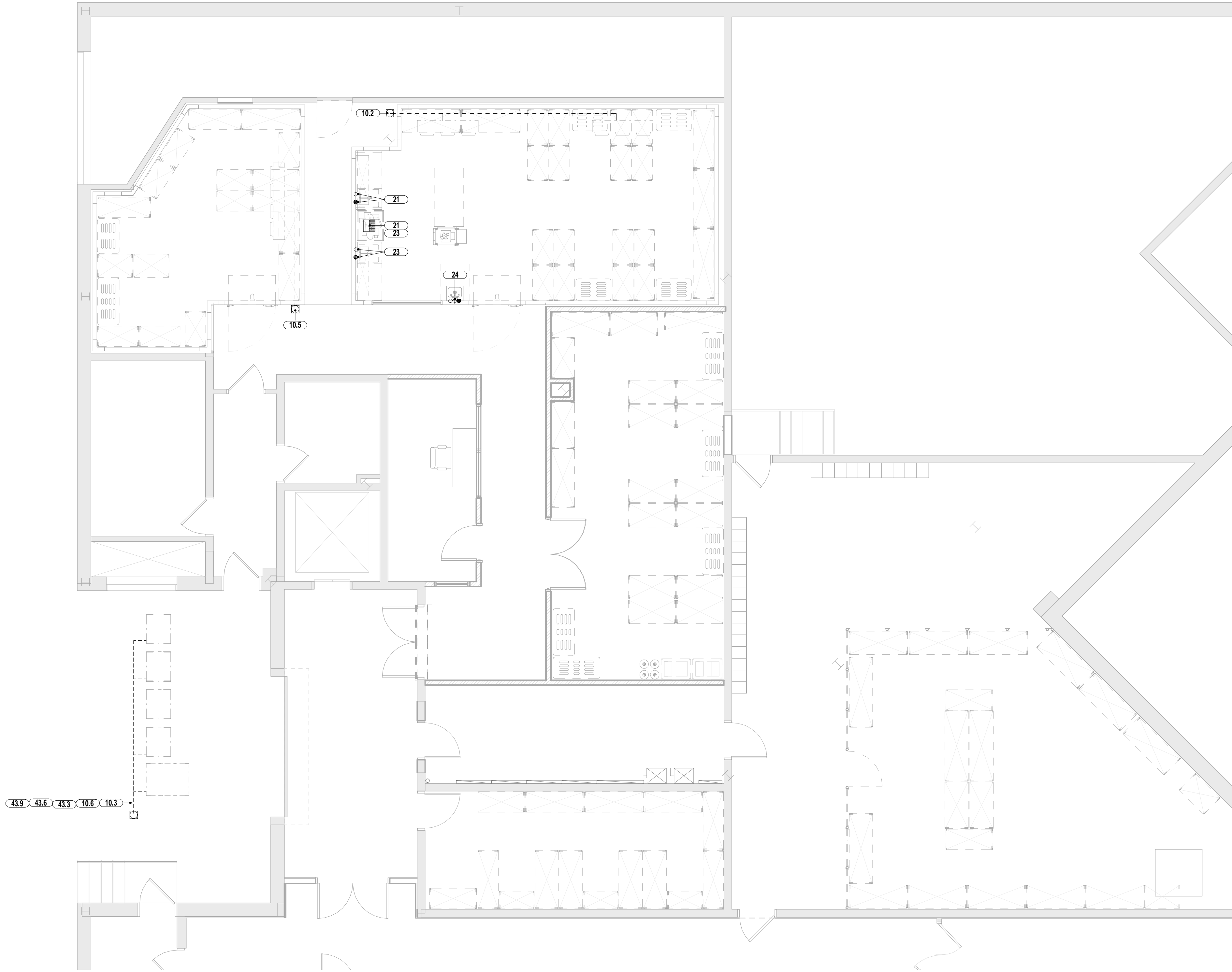
187.1	1	SNEEZE GUARD LIGHT	5.00		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
187.2	1	SNEEZE GUARD LIGHT	5.00		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
187.3	1	SNEEZE GUARD LIGHT	5.00		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
190	1	OVEN, HEARTH	1.10		120	1	60	DIRECT		36"		
192	2	HEATED SHELF, DROP-IN	6.50		120	1	60	CORD & PLUG	5-15P	18"		
193	1	HOT/COLD PAN, DROP-IN	25.00		120	1	60	DIRECT		18"		
194	1	REFRIGERATED CASE	11.70		120	1	60	CORD & PLUG	5-15P	18"		
195	1	REFRIGERATOR, REACH-IN	6.50		120	1	60	CORD & PLUG	5-15P	36"		
196	1	PIZZA PREP, REFRIGERATOR	14.40		120	1	60	CORD & PLUG	5-15P	18"		
197	1	REFRIGERATOR, ROLL-IN	9.60	3/4	120	1	60	CORD & PLUG	5-15P	36"		
200.1	1	SNEEZE GUARD LIGHT	5.00		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
200.2	1	HEAT LAMP	2.10		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
200.2	1	SNEEZE GUARD LIGHT	5.00		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
200.3	1	HEAT LAMP	2.10		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
200.3	1	SNEEZE GUARD LIGHT	5.00		120	1	60	DIRECT		18"	ESTIMATED UTILITIES - VERIFY WITH MANUFACTURER	
210.1	13	POS, SELF-CHECKOUT	10.00		120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION - ESTIMATED UTILITIES - FIELD VERIFY	
210.2	15	PRINTER, ORDER	5.00		120	1	60	CORD & PLUG	5-15P	18"	ESTIMATED UTILITIES - FIELD VERIFY	
212	1	AIR CURTAIN	10.20		120	1	60	DIRECT		108"		
213	4	SELF-SERVE SLIM LINE MERCHANDISER, REFRIGERATED	12.80	3/4	208	1	60	CORD & PLUG	6-20P	0"		
E05	1	FRYER, DEEP FAT, ELECTRIC	39.00		208	3	60	CORD & PLUG	5-15P	18"	VERIFY ELECTRICAL REQUIREMENTS	
E11	1	CONVECTION OVEN, ELECTRIC	50.00		208	1	60	DIRECT		36"	VERIFY ELECTRICAL REQUIREMENTS	
E12	1	FLAV-R-FAVOR, PORTABLE HOLDING CABINET	17.10		120	1	60	CORD & PLUG	5-20P	18"	VERIFY ELECTRICAL REQUIREMENTS	
E25	1	ELECTRIC KETTLE	70.80		208	1	60	DIRECT		18"	VERIFY ELECTRICAL REQUIREMENTS	
E26	1	TILT SKILLET	25.00		208	3	60	DIRECT		48"	VERIFY ELECTRICAL REQUIREMENTS	
E52	1	SILVER	7.00		1/2	120	1	60	CORD & PLUG	5-15P	48"	VERIFY ELECTRICAL REQUIREMENTS
E55	2	WORKTOP REFRIGERATOR	5.00	1/5	120	1	60	CORD & PLUG	5-15P	18"	VERIFY ELECTRICAL REQUIREMENTS	
E76	1	CAPPUCCINO DISPENSER		1800	120	1	60	CORD & PLUG	5-15P	48"	VERIFY ELECTRICAL REQUIREMENTS	
E78	2	COFFEE GRINDER	9.40		120	1	60	CORD & PLUG	5-15P	18"	VERIFY ELECTRICAL REQUIREMENTS	
E80	1	MILK DISPENSER	1.90		120	1	60	CORD & PLUG	5-15P	48"	VERIFY ELECTRICAL REQUIREMENTS	
E81	1	THERMAL, COFFEE BREWER, DOUBLE	12.00		208	1	60	DIRECT		48"	VERIFY ELECTRICAL REQUIREMENTS	
E82	2	POS, SELF-CHECKOUT	10.00		120	1	60	CORD & PLUG	5-15P	18"	DATA CONNECTION - ESTIMATED UTILITIES - FIELD VERIFY	
E91	1	OVEN	30.00	5990	208	1	60	CORD & PLUG	6-30P	48"	VERIFY ELECTRICAL REQUIREMENTS	
E128	1	HOT/COLD PAN, DROP-IN	25.00		120	1	60	DIRECT		18"	VERIFY ELECTRICAL REQUIREMENTS	
E129	1	HOT/COLD PAN, DROP-IN	21.00		120/240	1	60	DIRECT		18"	VERIFY ELECTRICAL REQUIREMENTS	

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REVISIONS		
NO.	DATE	DESCRIPTION
SEAL:		
ISSUED FOR: DD REVIEW		
ISSUED DATE: 1.19.2017		
DRAWN BY: R.Schneider		
CHECKED BY: KPF		
PROJECT NUMBER: CW-0205-4		
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DRAWING NAME:		
<div>ELECTRICAL CONNECTION SCHEDULE</div>		
DRAWING NO.		
Q212		

Dwg Filename: C:\Users\j_woodworth\Documents\DW-0205-NORTH CAMPUS_FS_2016CD_L_woodworth.rvt
Plot Date: 2/20/2018 5:11:36 PM

1 03 - BASEMENT LEVEL PLUMBING PLAN
3/16" = 1'-0"



PLUMBING LEGEND	
●	HOT WATER CONNECTION
○	COLD WATER CONNECTION
⊕	DIRECT WASTE
□	FLOOR DRAIN
□AFD	FLOOR DRAIN - AREA
⊗	FLOOR SINK - OPEN GRATE
⊗	FLOOR SINK - HALF GRATE
⊗	FLOOR SINK - FULL GRATE
⊕	GAS CONNECTION
—	REFRIGERANT PIPING
●	STEAM IN
○	STEAM OUT

UTILITY REQUIREMENTS FOR NEW AND EXISTING EQUIPMENT TO BE FIELD VERIFIED AND ROUGH-IN LOCATIONS COORDINATED WITH EXISTING UTILITY SERVICE. RE-USE OR EXTEND TO EXISTING UTILITY ROUGH-INS WHERE APPLICABLE.

FOODSERVICE PLUMBING/MECHANICAL NOTES:

- THIS PLUMBING PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES AND LOAD REQUIREMENTS FOR FOODSERVICE EQUIPMENT SPECIFIED AND FOODSERVICE EQUIPMENT THAT IS SCHEDULED FOR RE-USE. THIS PLUMBING PLAN IS INTENDED TO SHOW PLUMBING REQUIREMENTS AND APPROXIMATE ROUGHING-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS SEE DIMENSIONED PLANS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR. UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED.
- FOODSERVICE EQUIPMENT CONTRACTOR, PRIOR TO EQUIPMENT INSTALLATION, SHALL CHECK ALL UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY AND ALL DISCREPANCIES BETWEEN THE FOODSERVICE ROUGH-IN PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD.
- UTILITIES ARE BASED ON MANUFACTURER'S INFORMATION. ACTUAL ROUGHING-IN TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MAUFACTURER'S DIRECTIONS.
- SHOULD DISCREPANCIES OCCUR THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER IN ORDER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION.
- ALL EXPOSED UTILITY LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS AND CEILING AREA. 1 TO 2 INCHES OFF WALLS AND MINIMUM 6" OFF FLOORS.
- ALL PLUMBING WORK, LABOR AND MATERIAL, REQUIRED TO CONNECT THIS EQUIPMENT IS TO BE FURNISHED BY PLUMBING CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN FOODSERVICE DOCUMENTS. PLUMBING CONTRACTOR IS TO INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO VARIOUS PIECES OF EQUIPMENT REQUIRING SUCH CONNECTIONS, AND THE SUPPLYING OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED.
- FINAL PLUMBING CONNECTIONS TO ALL EQUIPMENT SHALL BE BY THE PLUMBING CONTRACTOR, INCLUDING ALL REQUIRED MATERIALS SUCH AS, PIPING OF SUPPLY AND WASTE LINES FROM BUILDING SERVICE TO ROUGH-IN (UNLESS SPECIFICALLY STATED OTHERWISE), TRAPS, GREASE INTERCEPTORS, LINE STRAINERS, TAILPIECES, VALVES, STOPS, SHUTOFFS, AND MISCELLANEOUS FITTINGS REQUIRED FOR COMPLETE INSTALLATION AND FINAL CONNECTION.
- ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER, ARE TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR. FAUCETS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR AND FURNISHED LOOSE AS STANDARD BY EQUIPMENT MANUFACTURERS ARE TO BE MOUNTED AND PLUMBED COMPLETE UNDER PLUMBING CONTRACT.
- PLUMBING ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING PENETRATIONS INTO THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION.
- PLUMBING ENGINEER TO LOCATE AREA DRAINS AND HOSE BIBBS AS REQUIRED FOR GENERAL CLEANING OF FACILITY.
- PLUMBING COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF THE ITEMS OF FOOD SERVICE EQUIPMENT.
- FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY THE PLUMBING CONTRACTOR, INCLUDING ALL REQUIRED MATERIALS SUCH AS STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING, ETC.
- GAS COOKING EQUIPMENT SHALL BE AGA APPROVED AND FURNISHED BY FOODSERVICE EQUIPMENT CONTRACTOR WITH GAS PRESSURE REGULATORS DESIGNED TO OPERATE WITH 14" W.C. INCOMING GAS PRESSURE OR LESS. PLUMBING CONTRACTOR TO PROVIDE GAS PIPING WITH INDIVIDUAL SHUT-OFF VALVES AND INTERMEDIATE REGULATORS AS REQUIRED TO REDUCE INCOMING BUILDING PRESSURE TO LEVEL SUITABLE FOR EQUIPMENT. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTIONS.
- FIRE CONTROL SYSTEM: FOODSERVICE EQUIPMENT CONTRACTOR TO FURNISH MECHANICAL GAS SOLENOID VALVE FOR PLUMBER TO INST. ALL IN GAS SUPPLY LINE, LOCATED SO AS TO SHUT OFF ALL GAS TO COOKING EQUIPMENT WHEN ACTUATED.

THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:

- ALL WATER, WASTE AND GAS SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF SERVICE LINE. FLOOR ROUGH-INS TO STUB UP 3" ABOVE FINISHED FLOOR OR CURBS. ALL FLOOR OPENINGS OR PENETRATIONS TO BE SEALED WATERTIGHT.
- PRESSURE REDUCING AND/OR REGULATING VALVES FOR DISHWASHERS, BOOSTER HEATERS, OR AS OTHERWISE NOTED IN ALL FOOD SERVICE AREAS.
- ALL FLOOR SINKS, COMPLETE WITH TOP GRATES (AS INDICATED) AND REMOVABLE SEDIMENT BUCKETS. ALL FIXTURES TO BE SET FLUSH WITH FINISHED FLOOR, EXCEPT AS OTHERWISE NOTED.
- ALL WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS OTHERWISE NOTED, MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION, AND SHALL BE PITCHED DOWNWARD, MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE (MINIMUM 6" CLEAR ABOVE FINISHED FLOOR) ABOVE FLOOR FOR SANITATION AND CLEANING. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS PER LOCAL CODES.
- ALL REQUIRED GREASE INTERCEPTORS, OUTSIDE THE BUILDING WHERE POSSIBLE, OTHERWISE BELOW OR SET FLUSH WITH THE FINISHED FLOOR. STRICT COORDINATION WITH EQUIPMENT AND LOCAL CODES REQUIRED IF GREASE INTERCEPTOR IS TO BE SET ABOVE THE FLOOR OR UNDER EQUIPMENT.
- INSTALL FIRE CONTROL GAS SHUT-OFF (SOLENOID, EITHER MANUAL OR ELECTRIC) VALVE AS SUPPLIED BY FIRE SUPPRESSION SYSTEM CONTRACTOR, (IF GAS COOKING EQUIPMENT IS USED)
- VACUUM BREAKERS AS REQUIRED BY LOCAL/STATE/NATIONAL CODES.
- INSULATION ON ALL HOT WATER AND CONDENSATE RETURN LINES WITHIN THE FOODSERVICE AREAS, ALL SUCH LINES ARE TO BE COLOR-CODED ACCORDING TO LOCAL CODES.
- CLEAN-OUT VALVES FOR STEAM AND CONDENSATE RETURN LINES.
- PLUMBING CONTRACTOR TO INTERCONNECT DISHMACHINE WITH BOOSTER HEATER/HEAT RECLAIMER AS PER MANUFACTURER'S INSTRUCTIONS, WHEN APPLICABLE AND NOTED.
- PLUMBING CONTRACTOR TO INTERCONNECT WATER-WASH VENTILATORS WITH CONTROL PANELS AS PER MANUFACTURER'S INSTRUCTIONS, WHEN APPLICABLE AND NOTED.
- WHERE POSSIBLE, UTILITIES SHALL BE CONCEALED WITHIN BUILDING WALLS OR COLUMN CHASES, NOT RUN ALONG WALL FACE. DO NOT STUB OUT OF FLOOR AND RUN ON THE FACE OF THE WALL.
- ANY AND ALL EXPOSED PIPING OR FITTINGS TO BE STAINLESS STEEL, CHROME PLATED OR ENCLOSED IN A CONCEALED, MOUNTED STAINLESS STEEL CHASE.
- ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION AND NOT LESS THAN 6" ABOVE FINISHED FLOOR SO AS TO PROVIDE CLEARANCE FOR CLEANING.
- ALL VENT PIPES TO BE CONCEALED IN WALLS OR COLUMN CHASES. USE LOOP VENTS FOR ISLAND FIXTURES, AS ALLOWED BY LOCAL CODES.
- ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH THE INTENDED USE OF, OR SERVICING OF THE EQUIPMENT.
- DRINKING FOUNTAINS ARE BY MECHANICAL TRADES. VERIFY UTILITY REQUIREMENTS WITH MECHANICAL ENGINEER.
- INDOOR GREASE TRAPS ARE TO RECESSED, FLUSH WITH TOP OF FINISHED FLOOR (UNLESS SPECIFIED OTHERWISE) AND REMOVAL OF COVER SHALL NOT INTERFERE WITH THE OPERATION OF EQUIPMENT ITEMS.
- FLOOR DRAINS, FUNNEL FLOOR DRAINS, FLOOR SINKS, ETC., LOCATED AT FOOD PREP SINKS, POT WASHING SINKS AND DISHMACHINES MUST HAVE REMOVABLE BASKETS TO CATCH FOOD PARTICLES. FLOOR TROUGH DRAINS MUST ALSO BE PROVIDED WITH REMOVABLE BASKETS, AND TO BE INSTALLED FLUSH WITH FINISHED FLOOR (NO RAISED FLOOR SINKS SHALL BE INSTALLED). ALL DRAINS IN FOOD SERVICE AREAS TO BE RUN THROUGH GREASE TRAP UNLESS OTHERWISE APPROVED BY LOCAL CODE.

FOODSERVICE PLUMBING SCHEDULE - BASEMENT														
ITEM NO	QTY	DESCRIPTION	CW SIZE	CW AFF	HW SIZE	HW AFF	DW SIZE	DW AFF	IW SIZE	IW TYPE	GAS SIZE	BTU/H	GAS AFF	PLUMBING REMARKS
10.2	2	EVAPORATOR COIL, FREEZER							3/4"	FD				
10.5	1	EVAPORATOR COIL, FREEZER							3/4"	FD				
21	1	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"								
21	1	SINK, 1-COMPARTMENT							1 1/2"	FS				LEVER WASTE
23	1	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"								
23	1	SINK, 1-COMPARTMENT							1 1/2"	FS				LEVER WASTE
24	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1 1/2"	12"						

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REVISIONS
NO. DATE DESCRIPTION

SEAL:

ISSUED FOR: DD REVIEW
ISSUED DATE: 1.19.2017

DRAWN BY: R.Schneider
CHECKED BY: KPF
PROJECT NUMBER: CW-0205-4
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DRAWING NAME:
BASEMENT PLUMBING CONNECTION LAYOUT

DRAWING NO:
Q300



UTILITY REQUIREMENTS FOR NEW AND EXISTING EQUIPMENT TO BE FIELD VERIFIED AND ROUGH-IN LOCATIONS COORDINATED WITH EXISTING UTILITY SERVICE. RE-USE OR EXTEND TO EXISTING UTILITY ROUGH-INS WHERE APPLICABLE.

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

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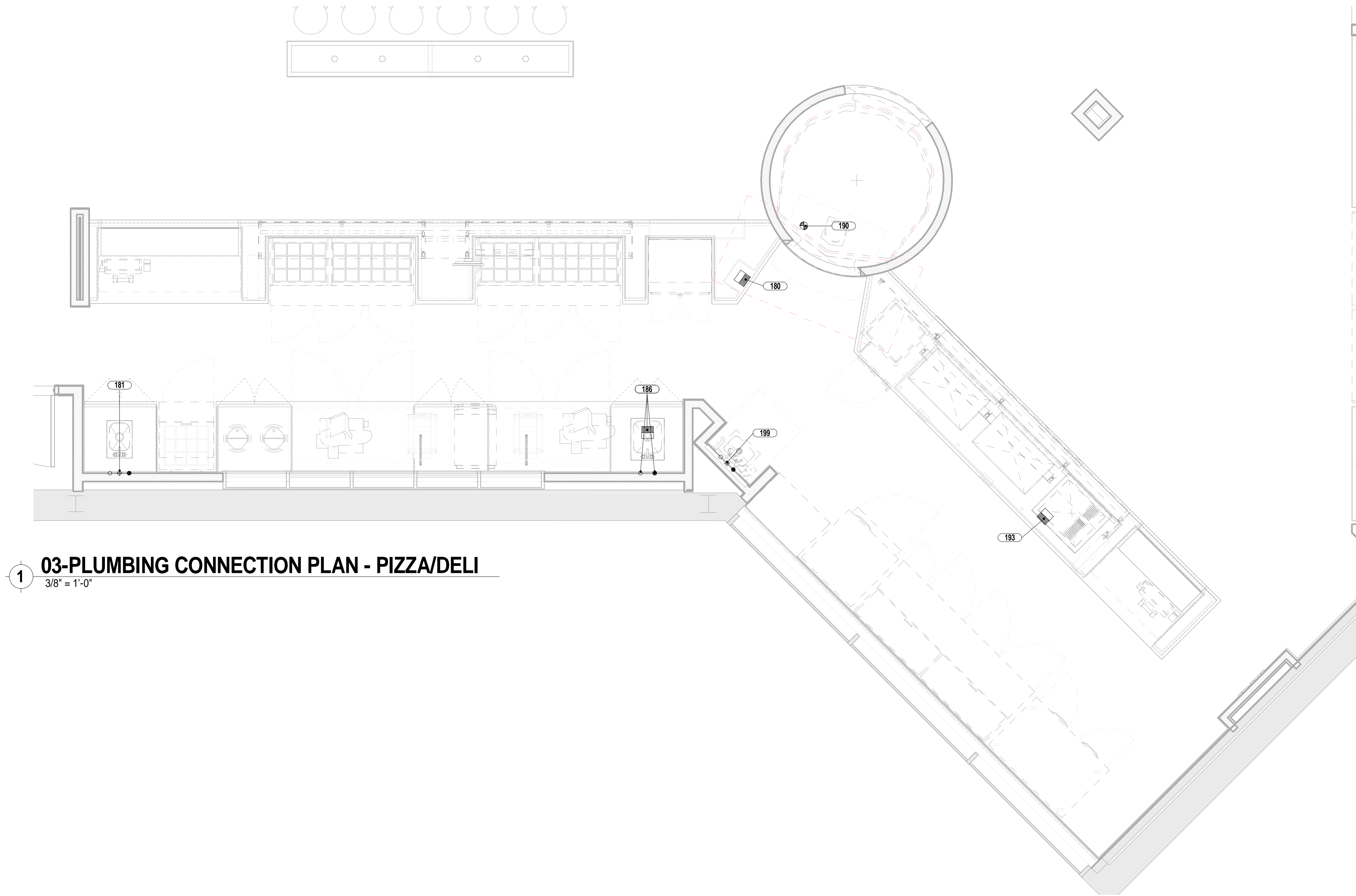
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DRAWN BY: R.Schneider
CHECKED BY: KPF
PROJECT NUMBER: CW-0205-4

PLUMBING
CONNECTION
ENLARGED

Q311

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1 03-PLUMBING CONNECTION PLAN - PIZZA/DELI
3/8" = 1'-0"

PLUMBING LEGEND	
●	HOT WATER CONNECTION
○	COLD WATER CONNECTION
⊕	DIRECT WASTE
□	FLOOR DRAIN
□AFD	FLOOR DRAIN - AREA
⊗	FLOOR SINK - OPEN GRATE
⊞	FLOOR SINK - HALF GRATE
⊠	FLOOR SINK - FULL GRATE
⚡	GAS CONNECTION
—	REFRIGERANT PIPING
●	STEAM IN
○	STEAM OUT

UTILITY REQUIREMENTS FOR NEW AND EXISTING EQUIPMENT TO BE FIELD VERIFIED AND ROUGH-IN LOCATIONS COORDINATED WITH EXISTING UTILITY SERVICE. RE-USE OR EXTEND TO EXISTING UTILITY ROUGH-INS WHERE APPLICABLE.

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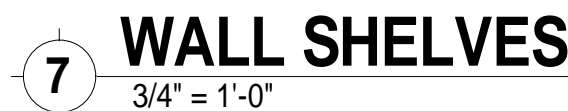
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PROJECT	REVISIONS	
	NO.	DATE DESCRIPTION
SEAL:		
ISSUED FOR: DD REVIEW		
ISSUED DATE: 1.19.2017		
DRAWN BY: R.Schneider		
CHECKED BY: KPF		
PROJECT NUMBER: CW-0205-4		
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DRAWING NAME:		
PLUMBING CONNECTION ENLARGED		
DRAWING NO.		
Q312		

FOODSERVICE PLUMBING SCHEDULE - FIRST LEVEL															
ITEM NO	QTY	DESCRIPTION	CW SIZE	CW AFF	HW SIZE	HW AFF	DW SIZE	DW AFF	IW SIZE	IW TYPE	GAS SIZE	BTU/H	GAS AFF	PLUMBING REMARKS	
43.2	1	EVAPORATOR COIL, COOLER							3/4"	FD					
43.5	1	EVAPORATOR COIL							3/4"	FD					
43.8	1	EVAPORATOR COIL, COOLER							3/4"	FD					
45	1	ICE BIN							3/4"	FS					
46	1	MODULAR CUBELET ICE MACHINE - AIR-COOLED	1/2"	14"					3/4"	FS					
47	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1 1/2"	12"							
49.1	1	WALL MOUNT PRE-RINSE FAUCET	1/2"	14"	1/2"	14"									
51	1	DISHWASHER, CONVEYOR TYPE							1 1/2"						
52	1	CLEAN DISHTABLE							3/4"	FS					
54	1	SINK, 3-COMPARTMENT							1 1/2"	FS				LEVER WASTE	
54.1	2	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"									
58	2	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1 1/2"	12"							
62	1	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"									
62	1	SINK, 1-COMPARTMENT							1 1/2"	FS				LEVER WASTE	
64	1	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"									
64	1	SINK, 1-COMPARTMENT							1 1/2"	FS				LEVER WASTE	
69	1	GRIDDLE, GAS, COUNTERTOP									3/4"	60000	24"	GAS QUICK DISCONNECT	
70	1	CHARBROILER, GAS, COUNTERTOP									3/4"	80000	24"	GAS QUICK DISCONNECT	
71	1	COUNTERTOP RANGE									3/4"	132000	24"	GAS QUICK DISCONNECT WITH REGULATOR AND RESTRAINING DEVICE	
72	1	TILT SKILLET, GAS	3/8"	14"	3/8"	14"					3/4"	91000	18"	DUAL PANTRY FILL FAUCET, GAS QUICK DISCONNECT	
72.1	1	FLOOR TROUGH					4"	-4"							
79	1	SINK, DROP-IN	1/2"	14"	1/2"	14"			1 1/2"	FS					
83	3	FRYER									3/4"	110000	24"	GAS QUICK DISCONNECT	
86	1	FLOOR TROUGH					4"	-4"							
87	1	36" OPEN-TOP BURNER RANGE - CONVECTION - OVEN BASE									1"	255000	24"	GAS QUICK DISCONNECT	
89	1	GRIDDLE, GAS, COUNTERTOP									3/4"	120000	24"	GAS QUICK DISCONNECT	
90	1	CHARBROILER, GAS, COUNTERTOP									3/4"	120000	24"	GAS QUICK DISCONNECT	
91	2	OVEN-STEAMER, COMBINATION, GAS, DOUBLE STACK	3/4"	14"					2"	FS	3/4"	49000	24"	WATER SUPPLY 25-85 PSI, 1ST WATER IS FOR STEAM GENERATOR, 2ND FOR CONDENSER. CONNECT DRAIN TO HIGH TEMP. PIPING. 8" WC NATURAL GAS; - GAS QUICK DISCONNECT & DRAIN WATER TEMPERING KIT	
92	1	ROTISSERIE, VERTICAL, GAS	1/4"	14"					1 1/2"	FS	3/4"	115000	24"	GAS QUICK DISCONNECT	
120	3	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1 1/2"	12"							
122	1	RANGE, WOK	1/2"	14"					2"	FS	3/4"	53000	18"	GAS QUICK DISCONNECT	
124	1	CHARBROILER, GAS, COUNTERTOP									3/4"	80000	18"	GAS QUICK DISCONNECT	
125	1	GRIDDLE, GAS, COUNTERTOP									3/4"	60000	18"	GAS QUICK DISCONNECT	
126	2	OVEN-STEAMER, COMBINATION, GAS	3/4"	14"					2"	FS	3/4"	170000		WATER SUPPLY 25-85 PSI, 1ST WATER IS FOR STEAM GENERATOR, 2ND FOR CONDENSER. CONNECT DRAIN TO HIGH TEMP. PIPING. 8" WC NATURAL GAS; - GAS QUICK DISCONNECT & DRAIN WATER TEMPERING KIT	
130	4	DROP-IN, HOT/COLD WELL							3/4"	FS					
131	1	DROP IN, HOT/COLD/FREEZE WELL	1/2"	14"					3/4"	FS					
140	1	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"									
140	1	SINK, 1-COMPARTMENT							1 1/2"	FS				LEVER WASTE	
152	1	COUNTERTOP RANGE									3/4"	132000	24"	GAS QUICK DISCONNECT WITH REGULATOR AND RESTRAINING DEVICE	
153	1	CHARBROILER, GAS, COUNTERTOP									3/4"	80000	24"	GAS QUICK DISCONNECT	
154	1	GRIDDLE, GAS, COUNTERTOP									3/4"	60000	24"	GAS QUICK DISCONNECT	
155	1	FRYER									3/4"	122000	24"	GAS QUICK DISCONNECT	
172	1	ICE MAKER & DISPENSER	1/2"	14"					3/4"	FS				WATER FILTRATION SYSTEM	
173	1	MULTI BEVERAGE DISPENSER	1/4"	14"					1"	FS					
180	1	REFRIGERATED DISPLAY CASE							1"	FS					
181	1	HAND SINK, DROP-IN	1/2"	14"	1/2"	14"	1 1/2"	12"							
186	1	UTILITY SINK, DROP-IN	1/2"	14"	1/2"	14"			1 1/2"	FS					
190	1	OVEN, HEARTH									3/4"	188000	24"	GAS QUICK DISCONNECT	
193	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE	
199	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1 1/2"	12"							
E13	1	SINK, DROP-IN	1/2"	14"	1/2"	14"			1 1/2"	FS					
E25	1	ELECTRIC KETTLE							2"	FT				ITEM #E25 TO DRAIN TO NEW FLOOR TROUGH ITEM #136	
E26	1	TILT SKILLET	1/2"	14"	1/2"	14"			2"	FT				ITEM #E26 TO DRAIN TO NEW FLOOR TROUGH ITEM #136	
E33	1	ICE BIN							1"	FS					
E72	2	WATER FILTER SYSTEM	3/8"	14"											
E75	1	CAPPUCCINO DISPENSER	1/4"	14"											
E81	1	THERMAL COFFEE BREWER, DOUBLE	1/4"	14"										ESTIMATED UTILITIES - FIELD VERIFY	
E128	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE	
E129	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE	



HOOD INFORMATION - Job#2882532

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)							TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.	
						WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.			END TO END	ROW
1	17.1 Left	6024 ND-2-PSP-F	8' 6"	600 Deg.	2338	10'	22'	4'		2338	1530	-0.837"	1870	304 SS Where Exposed	LEFT	FRONT
2	17.1 Right	6024 ND-2-PSP-F	8' 6"	600 Deg.	2125	10'	20'	4'		2125	1530	-0.737"	1700	304 SS Where Exposed	RIGHT	FRONT
3	18.2 Left	6024 ND-2-PSP-F	10' 0"	600 Deg.	3000	10'	28'	4'		3000	1543	-0.968"	2310	304 SS Where Exposed	LEFT	BACK
4	18.2 Right	6024 ND-2-PSP-F	8' 0"	600 Deg.	2000	10'	19'	4'		2000	1516	-0.675"	1700	304 SS Where Exposed	RIGHT	BACK
5		5424 ND-2-PSP-F	13' 5"	600 Deg.	3623	10'	17'	4'		1811	1534	-0.798"	2898	304 SS	ALONE	ALONE
						10'	17'	4'		1811	1534	-0.798"		Where Exposed		
6	206	6024 ND-2-PSP-F	15' 3"	600 Deg.	4118	10'	19'	4'		2059	1561	-0.824"	3336	304 SS	ALONE	ALONE
						10'	19'	4'		2059	1561	-0.824"		Where Exposed		
7	112	5424 ND-2-PSP-F	12' 0"	600 Deg.	3180	10'	30'	4'		3180	1526	-0.894"	2480	304 SS Where Exposed	ALONE	ALONE

HOOD INFORMATION

HOOD NO.	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)						FIRE SYSTEM PIPING	HOOD HANGING WGT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES		
												TYPE	SIZE	MODEL #	QUANTITY		
1	17.1 Left	Captrate Solo Filter	6	20"	16'	85% See Filter Spec.	3	12" x 12" LED	NO	Left	12"x60"x24"	Ansul R102	3.0/3.0/3.0/1.5	SC-011110FP	1 Light 1 Fan	YES	828 LBS
2	17.1 Right	Captrate Solo Filter	6	20"	16'	85% See Filter Spec.	3	12" x 12" LED	NO							YES	650 LBS
3	18.2 Left	Captrate Solo Filter	7	20"	16'	85% See Filter Spec.	3	12" x 12" LED	NO							YES	730 LBS
4	18.2 Right	Captrate Solo Filter	5	20"	16'	85% See Filter Spec.	2	12" x 12" LED	NO							YES	580 LBS
5		Captrate Solo Filter	10	20"	16'	85% See Filter Spec.	4	12" x 12" LED	NO							YES	915 LBS
6	206	Captrate Solo Filter	11	20"	16'	85% See Filter Spec.	4	12" x 12" LED	NO	Left	12"x60"x24"	Ansul R102	3.0/3.0			YES	1187 LBS
7	112	Captrate Solo Filter	9	20"	16'	85% See Filter Spec.	3	12" x 12" LED	NO							YES	816 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1	17.1 Left	FIELD WRAPPER 18.00' High Front, Left BACK STANDOFF (FLAT) 6' Wide 114' Long INSULATION FOR TOP OF HOOD NYC CONSTRUCTION
2	17.1 Right	FIELD WRAPPER 18.00' High Front, Right BACK STANDOFF (FLAT) 6' Wide 102' Long INSULATION FOR TOP OF HOOD NYC CONSTRUCTION
3	18.2 Left	FIELD WRAPPER 18.00' High Front, Left INSULATION FOR TOP OF HOOD NYC CONSTRUCTION
4	18.2 Right	FIELD WRAPPER 18.00' High Front, Right INSULATION FOR TOP OF HOOD NYC CONSTRUCTION
5		FIELD WRAPPER 18.00' High Front, Right BACKSPLASH 80.00' High X 161.00' Long 304 SS Vertical LEFT SIDESPLASH 80.00' High X 54.00' Long 304 SS Vertical BACKSPLASH - INSIDE CORNER 80.00' High X 2.00' Leg Length 304 SS Vertical INSULATION FOR TOP OF HOOD NYC CONSTRUCTION
6	206	FIELD WRAPPER 18.00' High Front, Left, Right BACKSPLASH 80.00' High X 195.00' Long 304 SS Vertical RIGHT QUARTER END PANEL 23' Top Width, 0' Bottom Width, 23' High 304 SS INSULATION FOR TOP OF HOOD NYC CONSTRUCTION
7	112	FIELD WRAPPER 18.00' High Front, Right BACKSPLASH 80.00' High X 144.00' Long 304 SS Vertical LEFT QUARTER END PANEL 23' Top Width, 0' Bottom Width, 23' High 304 SS RIGHT QUARTER END PANEL 23' Top Width, 0' Bottom Width, 23' High 304 SS INSULATION FOR TOP OF HOOD NYC CONSTRUCTION

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
1	17.1 Left	Front	114'	18'	6'	MUA 12" 24"	623	0.174"			
						MUA 12" 24"	623	0.174"			
						MUA 12" 24"	623	0.174"			
2	17.1 Right	Front	102'	18'	6'	MUA 12" 24"	566	0.145"			
						MUA 12" 24"	566	0.145"			
						MUA 12" 28"	770	0.222"			
3	18.2 Left	Front	120'	20'	6'	MUA 12" 28"	770	0.222"			
						MUA 12" 28"	770	0.222"			
4	18.2 Right	Front	96'	20'	6'	MUA 12" 24"	566	0.145"			
						MUA 12" 24"	566	0.145"			
						MUA 12" 28"	724	0.197"			
5		Front	161'	20'	6'	MUA 12" 28"	724	0.197"			
						MUA 12" 28"	724	0.197"			
						MUA 12" 28"	834	0.257"			
6	206	Front	195'	18'	6'	MUA 12" 28"	834	0.257"			
						MUA 12" 28"	834	0.257"			
						MUA 12" 28"	826	0.253"			
7	112	Front	144'	18'	6'	MUA 12" 28"	826	0.253"			
						MUA 12" 28"	826	0.253"			

PATENT NUMBERS

AC-PSP (United States) - US Patent 7963830 B2
AC-PSP Wall (Canada) - CA Patent 2820509
AC-PSP Island (Canada) - CA Patent 2520330

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER

THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

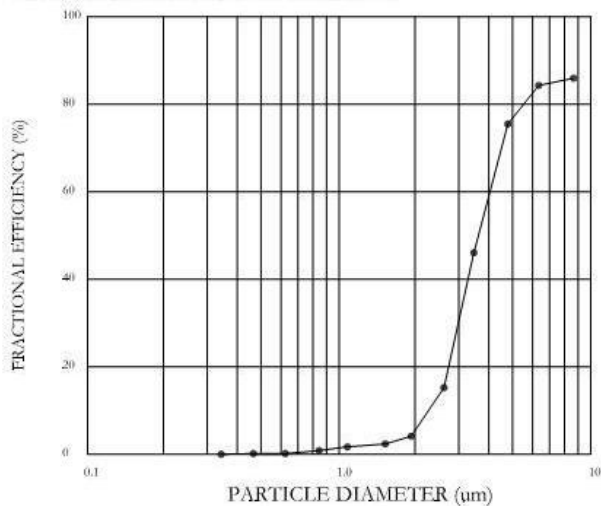
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

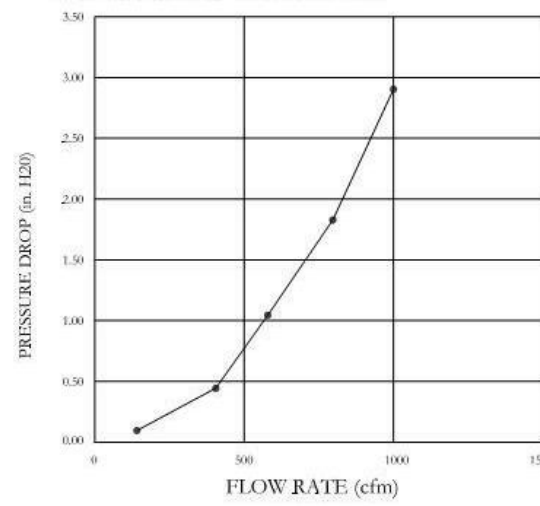
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2519-05.

EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



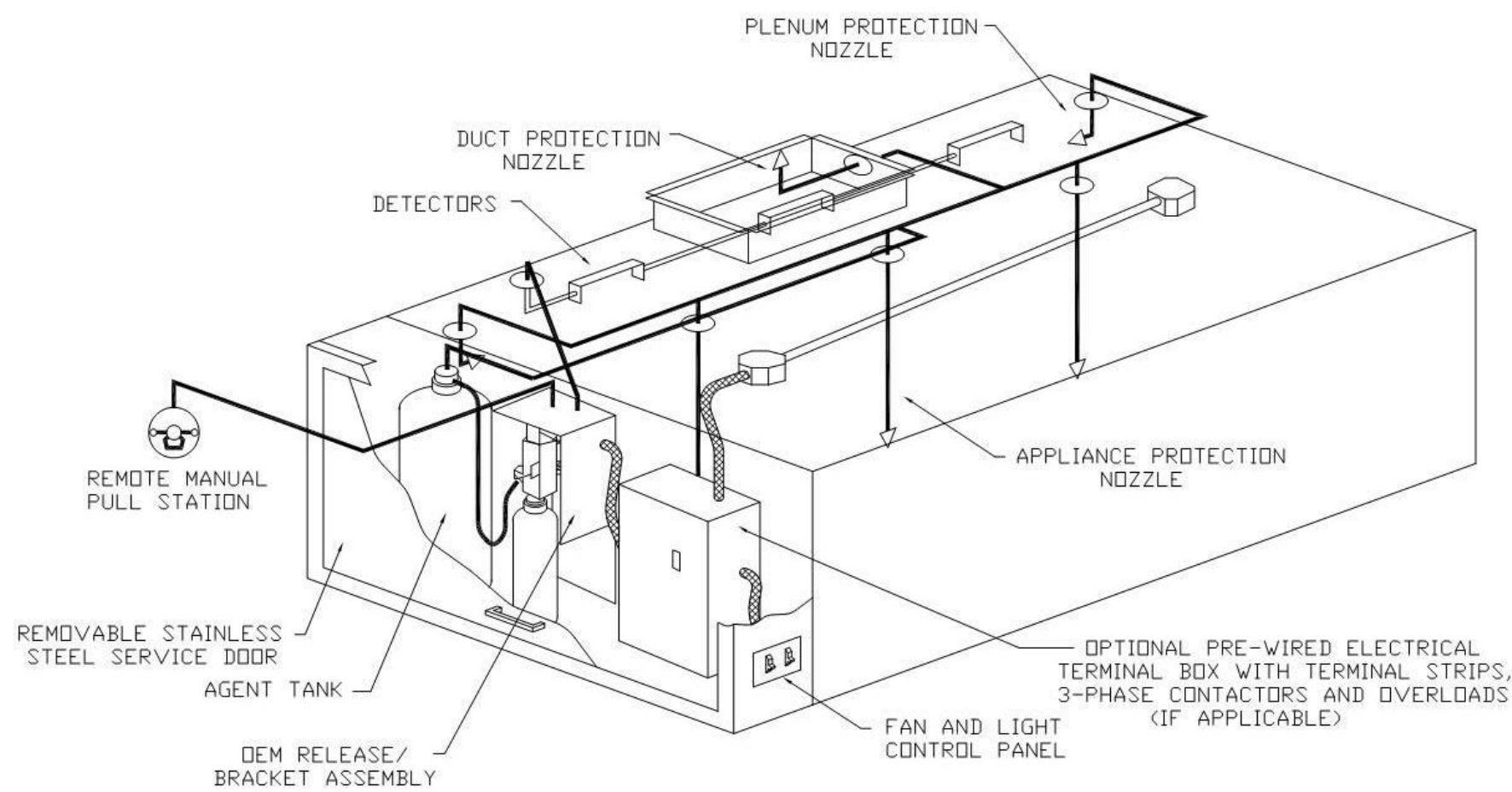
CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:

NFPA #96
NSF STANDARD #2
UL STANDARD #1046
INT. MECH. CODE (IMC)
ULC-S649



Fire System Information - Job#2882532

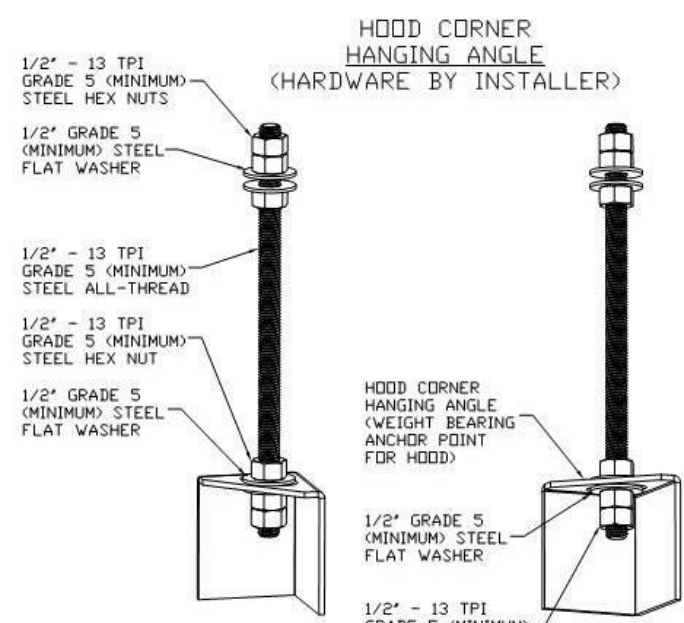
FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0/3.0/3.0/1.5	12	Fire Cabinet Left	Left
2		Ansul R102	3.0/1.5	4	Wall Mount Left	N/A
3		Ansul R102	3.0/3.0	6	Fire Cabinet Left	Left
4		Ansul R102	3.0/1.5	4	Wall Mount Left	N/A



TYPICAL ANSUL R-102 SYSTEM LAYOUT



FOR QUESTIONS, CALL THE
CHARLOTTE, NORTH CAROLINA
LOGAN HRISCHUK
PHONE: 919-719-7636, FAX: 919-227-5952
EMAIL: reg30@captiveaire.com



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

NOTE:
KITCHEN HOODS ARE TO BE PROVIDED AND INSTALLED AS PART OF CONTRACT BASE BID.

REVISIONS

DESCRIPTION	DATE

Piedmont Area Office
8303 Carmel Road, Suite #105, Charlotte, NC, 28226 PHONE: (704) 944-9088 FAX: (919) 227-5952 EMAIL: reg30@captiveaire.com

SUNY Purchase - North Campus HUB Dining

DATE: 12/11/2017

DWG.#: 2882532

DRAWN BY:

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 1

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www.phasezerodesign.com

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CCONSULTANT:

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SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

PROJECT

NO.	DATE	REVISIONS	DESCRIPTION

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ISSUED FOR: DD REVIEW

ISSUED DATE: 1.19.2017

DRAWN BY: R.Schneider

CHECKED BY: KPF

PROJECT NUMBER: CW-0205-4

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DRAWING NAME:

EXHAUST HOOD DETAILS

DRAWING NO.

Q500



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www.captivevalet.com

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CONSULTANT:

VB
VISIONBUILDERS
AND DESIGN

305 Foster Ave, Suite 100, Charlotte, NC 28203
t 704.485.5101 f 704.485.5160 www.visionbuildersusa.com

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CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

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ISSUED FOR: DD REVIEW

ISSUED DATE: 1.19.2017

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CHECKED BY: KPF

PROJECT NUMBER: CW-0205-4

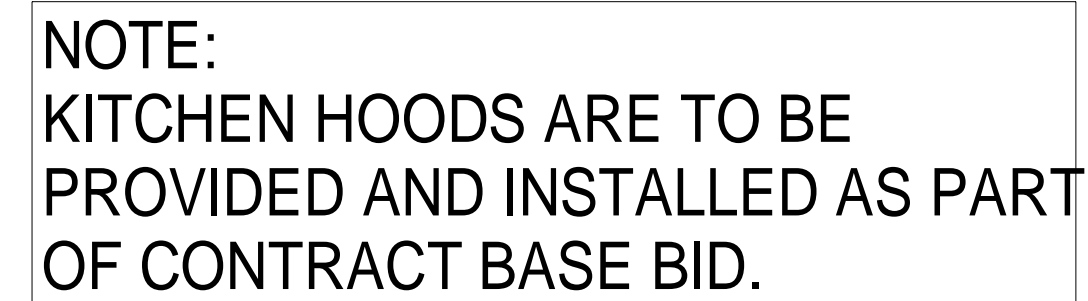
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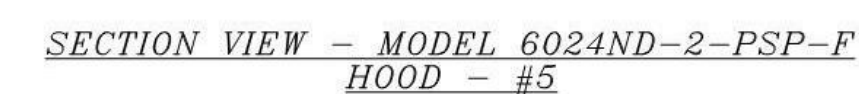
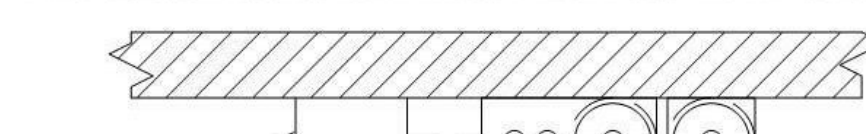
EXHAUST HOOD DETAILS

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Q501

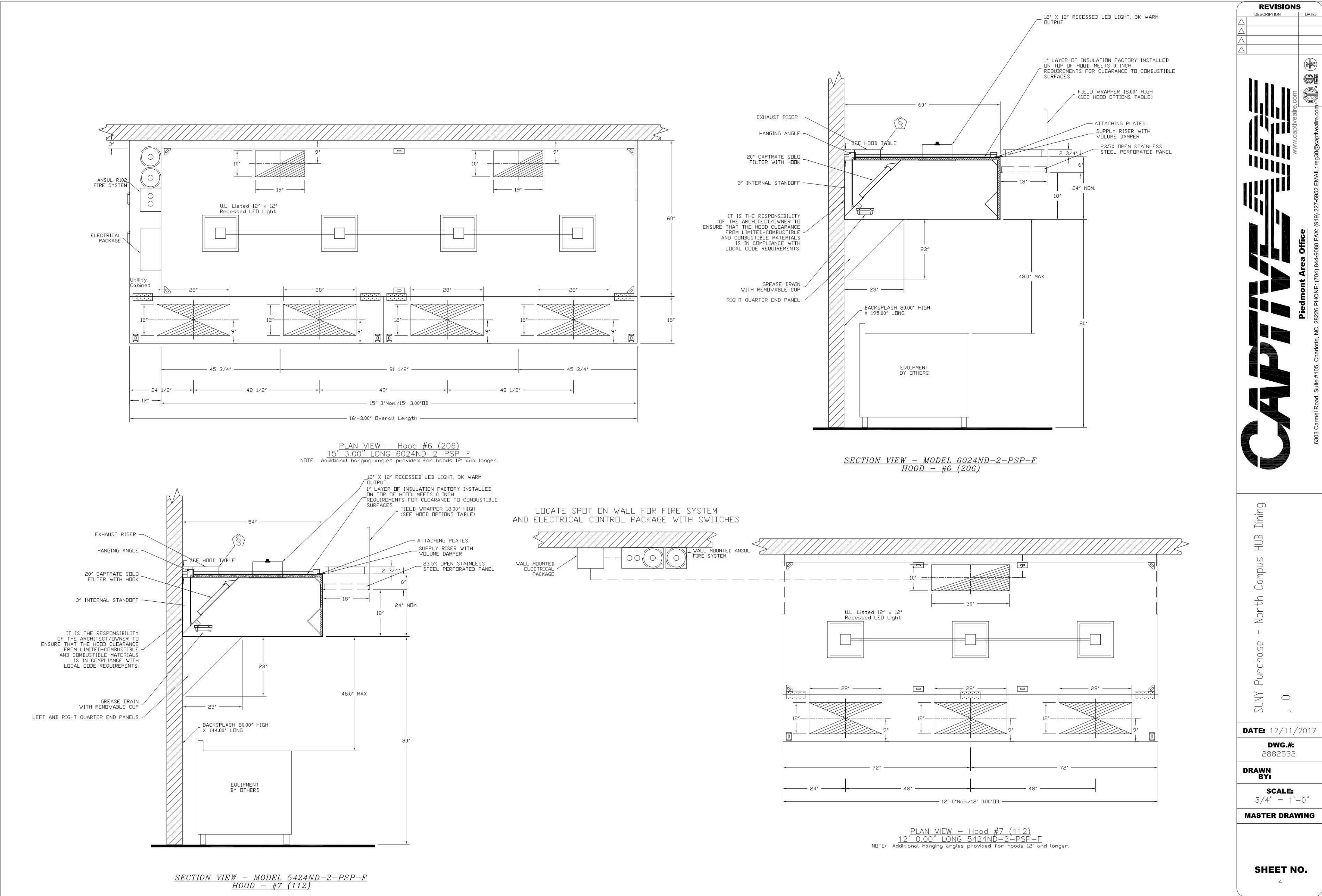


SECTION VIEW - MODEL 6024ND-2-PSP-F
HOOD - #2 (17.1 Left)



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NOTE:
KITCHEN HOODS ARE TO BE
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OF CONTRACT BASE BID.

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICUT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

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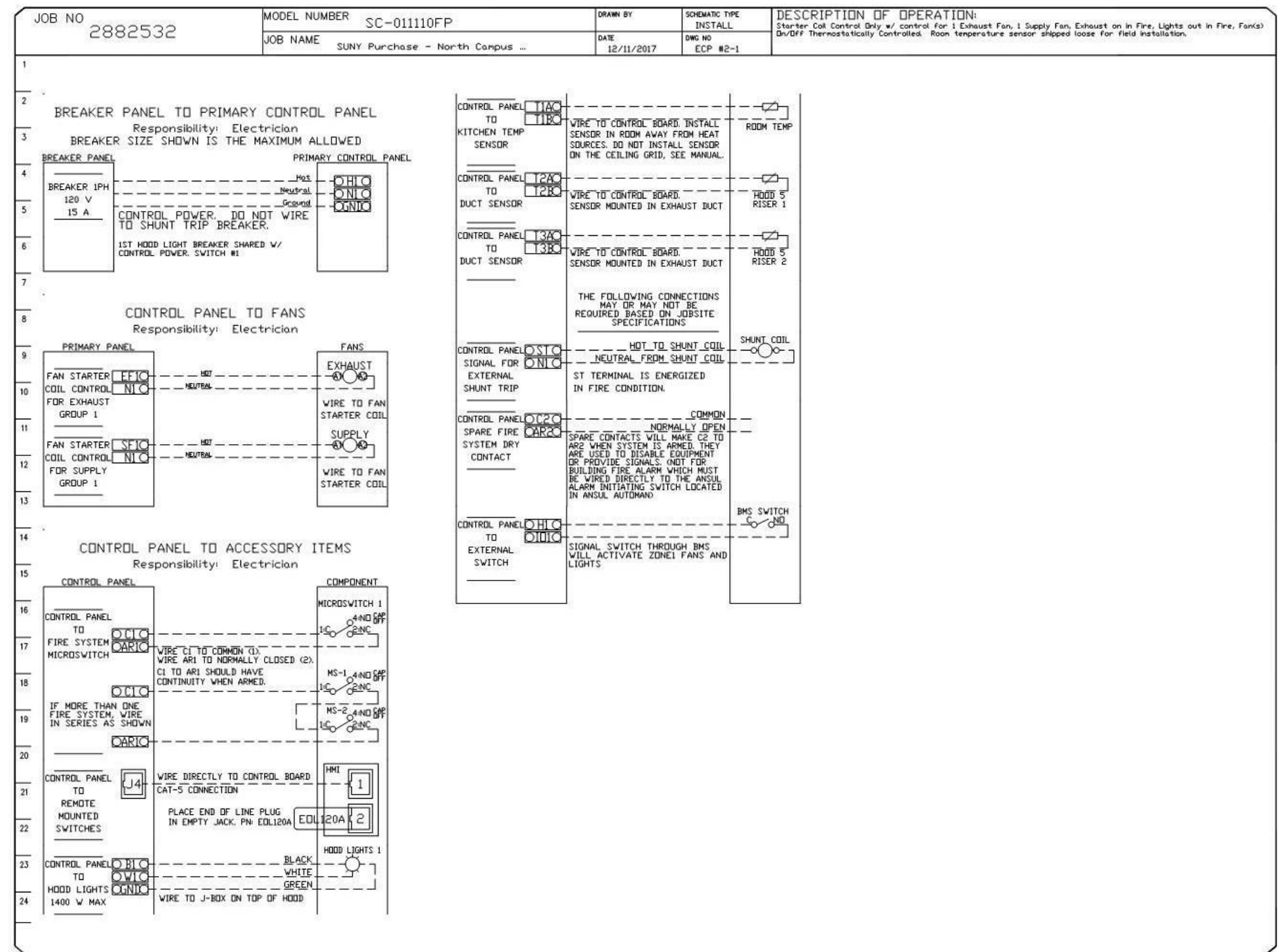
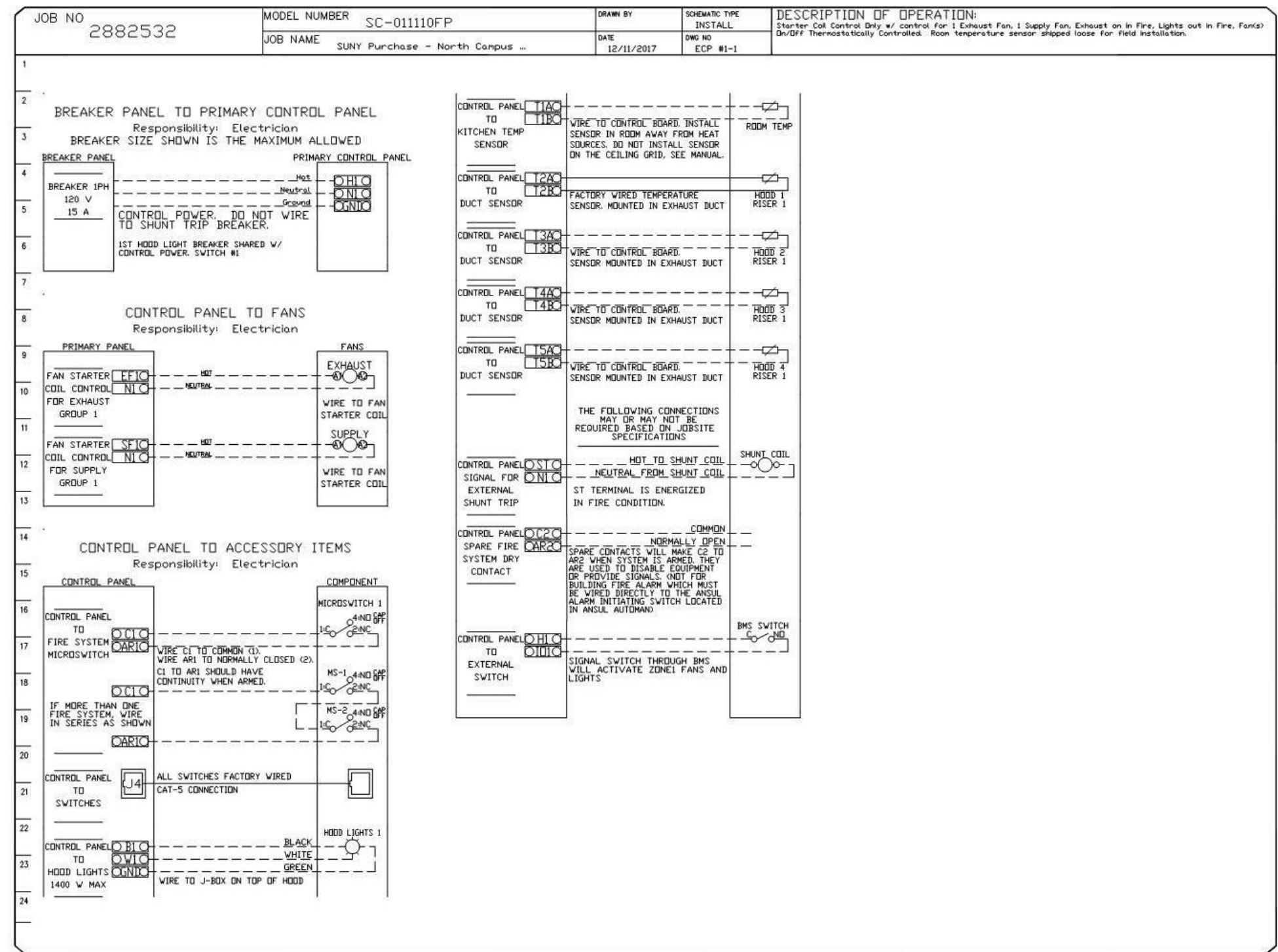
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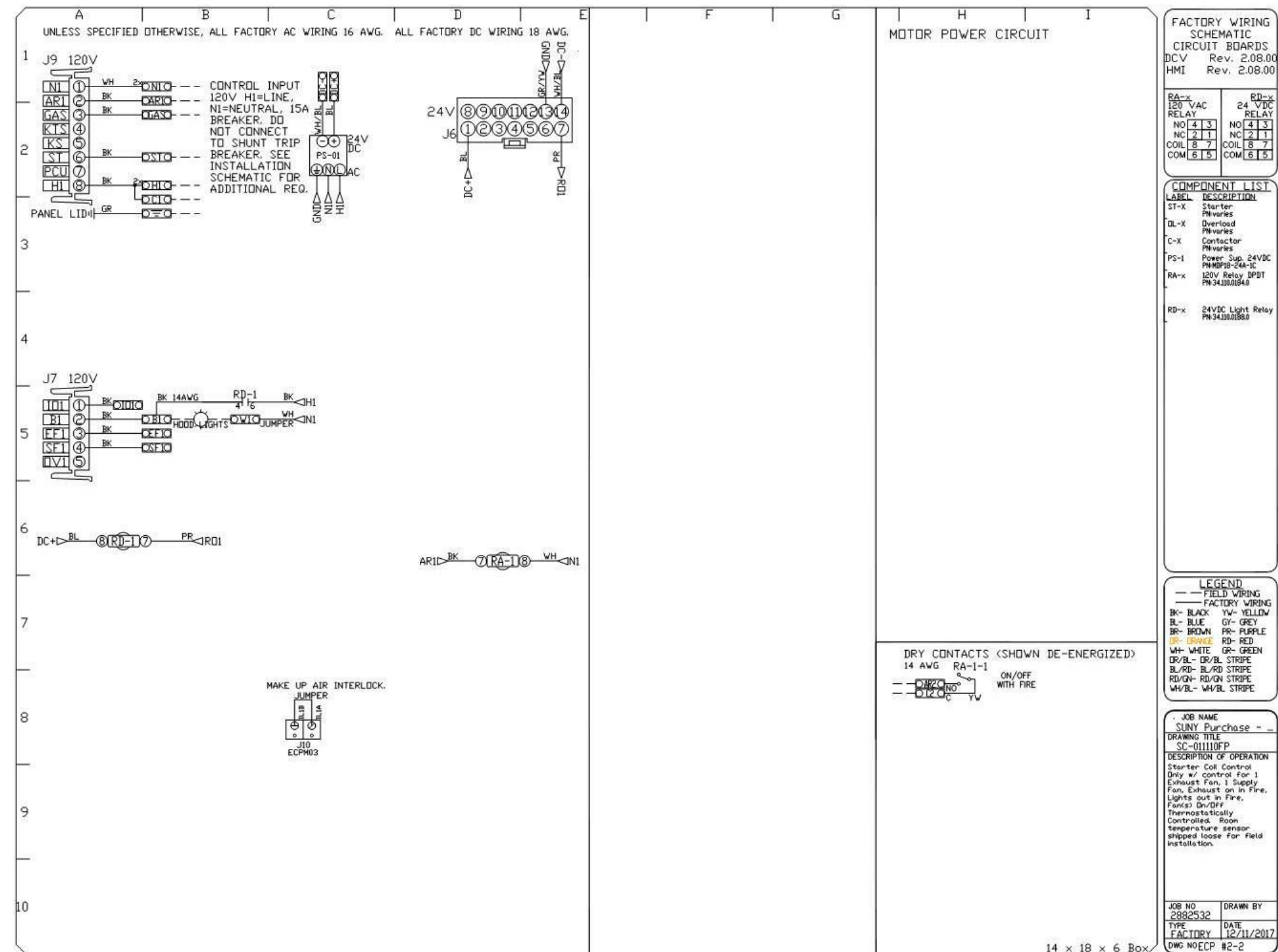
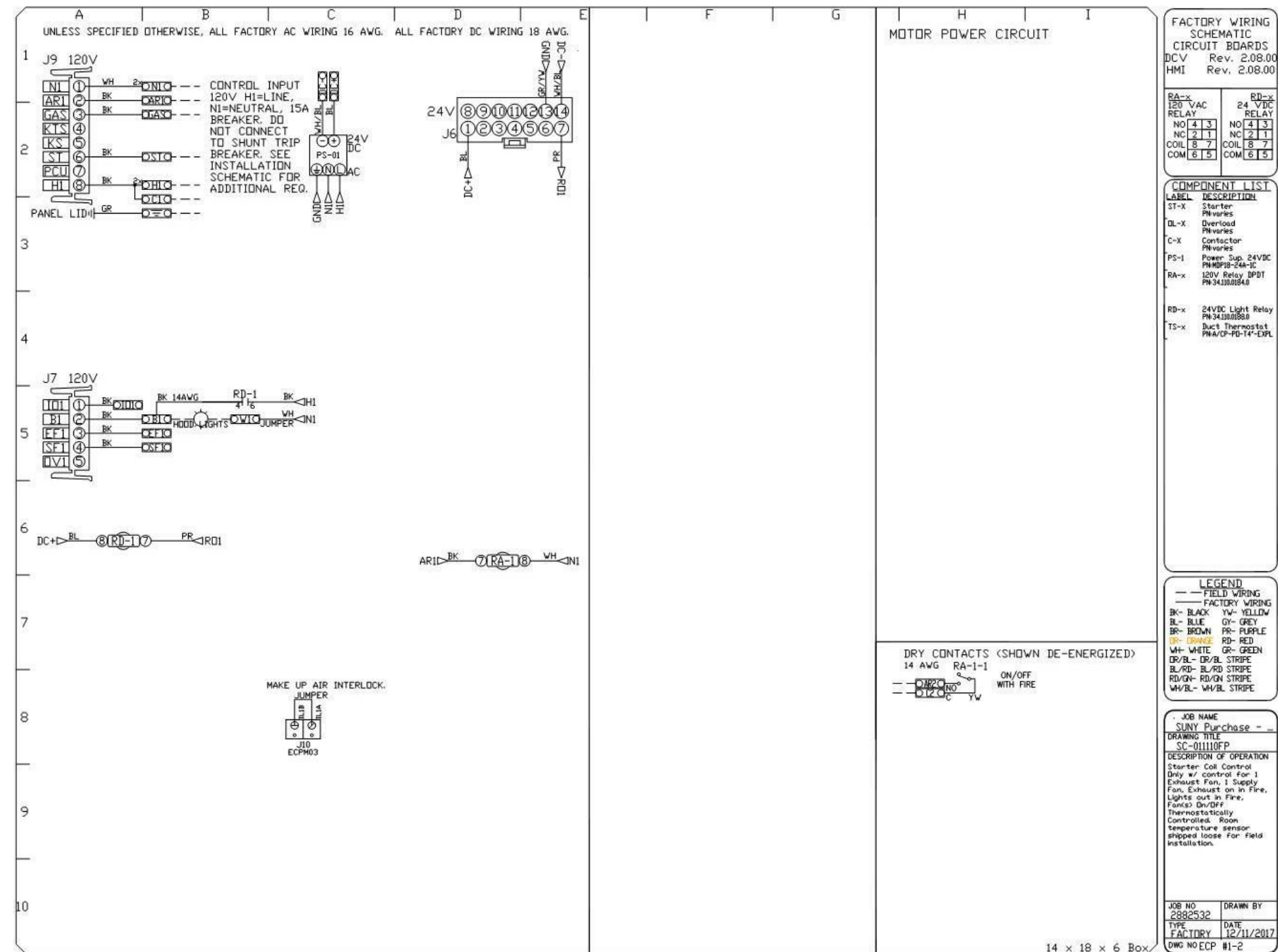
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PROJECT NUMBER: CW-0205-4
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EXHAUST HOOD DETAILS
DRAWING NO.
Q503

NOTE:
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NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED			
				LOCATION	QUANTITY					
							TYPE	#	HP.	VOLT
1		SC-01110FP	Utility Cabinet Left	03 - Utility Cabinet Left Hood # 1	1 Light 1 Fan	Smart Controls Thermostatic Control				
2		SC-01110FP	Wall Mount In SS Box	02 - Face Mount Right Side of Hood Hood # 1	1 Light 1 Fan		Smart Controls Thermostatic Control			
3		SC-011110FP	Wall Mount In SS Box	05 - SS Wall Mount Box	1 Light 1 Fan	Smart Controls Thermostatic Control				
4		SC-011110FP	Wall Mount In SS Box	01 - Face Mount Left Side of Hood Hood # 7	1 Light 1 Fan	Smart Controls Thermostatic Control				



HOOD PREWIRE PACKAGE WIRING INFORMATION
STARTER CONTROL ONLY - STARTERS FOR FANS BY OTHERS



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	DESCRIPTION	DATE:
△		
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www.capitveaire.com

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 8226 PHONE: (704) 844-0088 FAX: (919) 227-5852 EMAIL: reg

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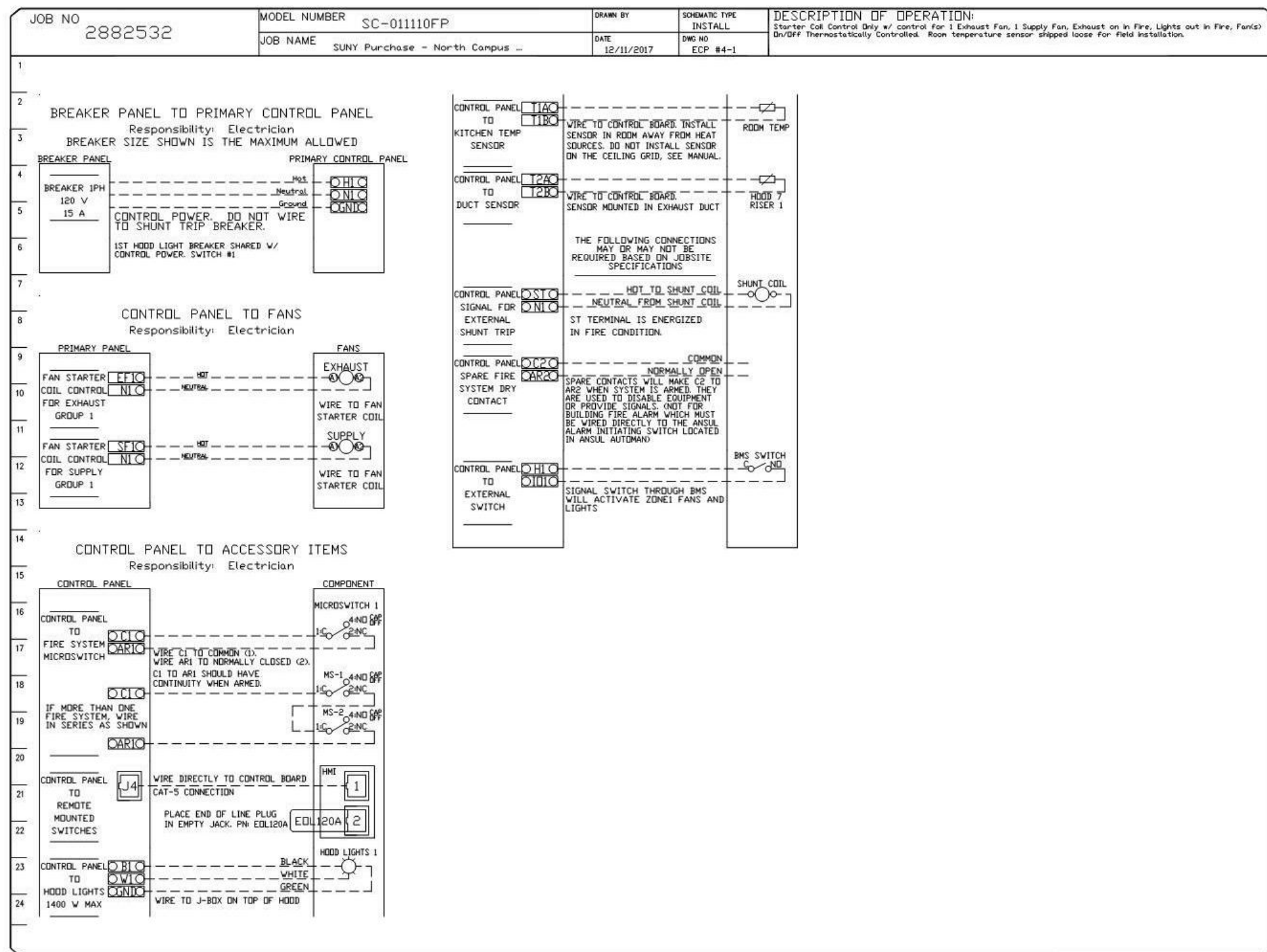
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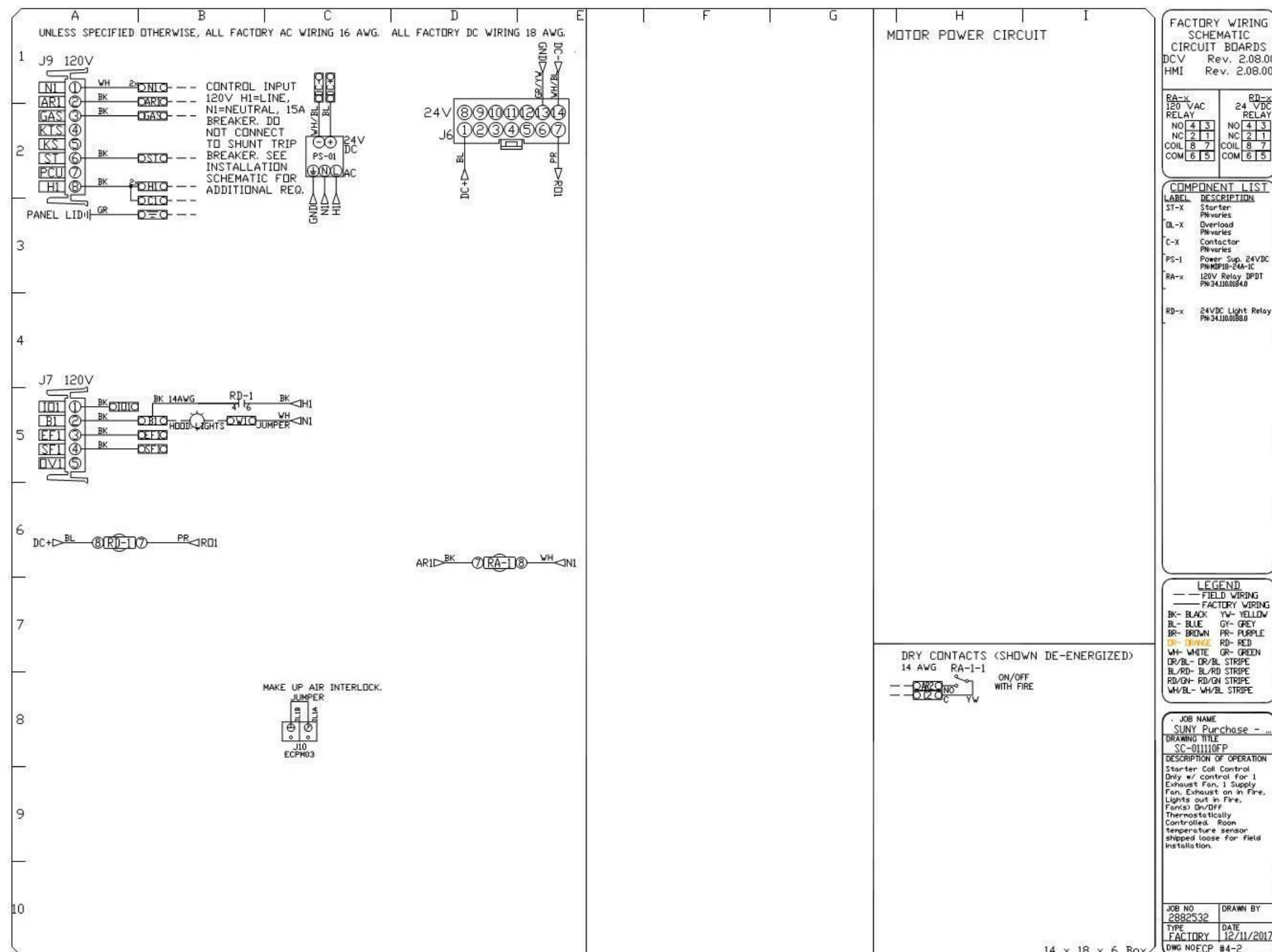
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NOTE:
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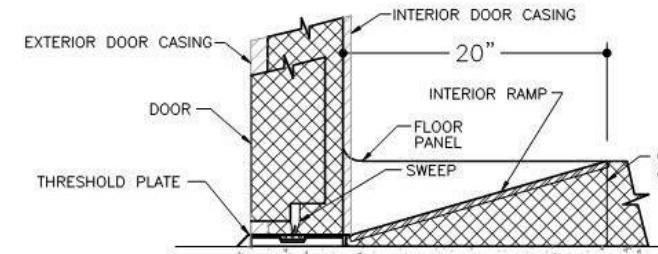
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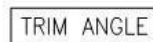
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6



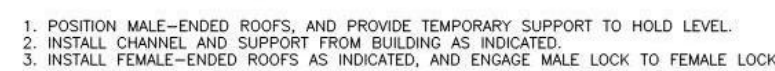
American Panel's walk-in floor panels with AmeriTuff structural support are designed to withstand uniformly distributed stationary loads of 15,000 lbs. per square foot. American Panel's warranty does not cover damage caused by pallet jacks, forklifts or any other form of heavy-duty rolling traffic. A concrete wearing floor must be installed on top of the AmeriTuff walk-in floor panels for those rolling applications.






<input type="checkbox"/> APPROVED	SIGNATURE _____
<input type="checkbox"/> APPROVED AS NOTED	PRINT NAME _____
<input type="checkbox"/> REVISE & RESUBMIT	DATE _____



VERIFY ALL DIMENSIONS



FOR RAISED CASING DOOR
WITH INTERIOR RAMP

 	<p align="center">ELECTRICAL DATA</p> <p align="center">  = POINT OF ELECTRICAL CONNECTIONS. </p> <p>FREEZER</p> <p>CONDENSING UNIT: 208-230V/60/3ø 33.5 UNIT AMPACITY EVAPORATOR: 208-230V/60/1ø 2.4/16.1 AMPS WALK-IN DOORS: 115V/1ø - 350w*</p> <p>POWER FOR EVAPORATOR CIRCUIT IS SUPPLIED FROM CONDENSING UNIT.</p>
--	--

*NOTE: ADD WATTAGE FOR EACH ADDITIONAL LIGHT FIXTURE IN ACCESSORIES

FREEZER DOOR	
DOOR FRAME KWHr/DAY	3.216

INSULATION R-VALUES		
PANEL TYPE	COOLER	FREEZER
4" WALLS, ROOFS & DOORS	R-29	R-32
5" WALLS, ROOFS & DOORS	R-36	R-40
FLOORS	R-25	R-28

CLIENT

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OWNER

www.purchase.edu

CONSUMERS

PROJECT:

35 ANDERSON HILL RD
PURCHASE, NY 10577

[illegible]

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ISSUED DATE: 1.19.2017

DRAWN BY: R.Schneider

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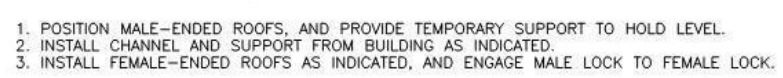
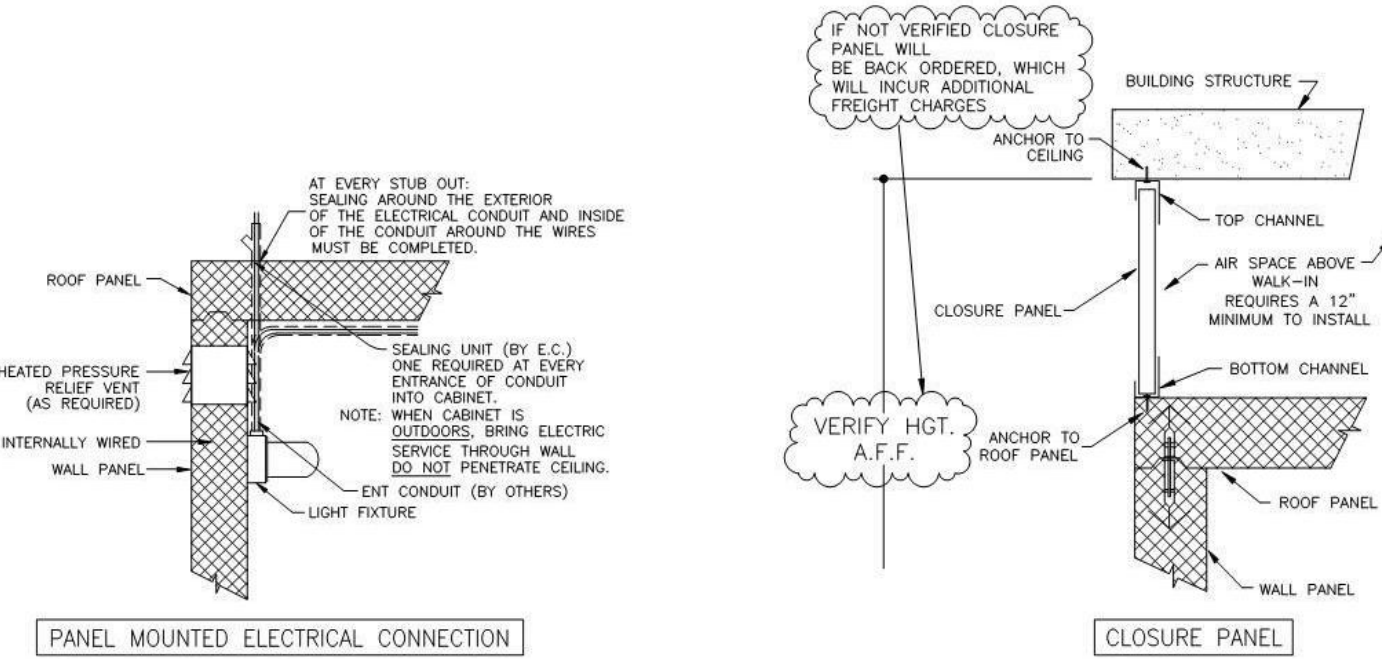
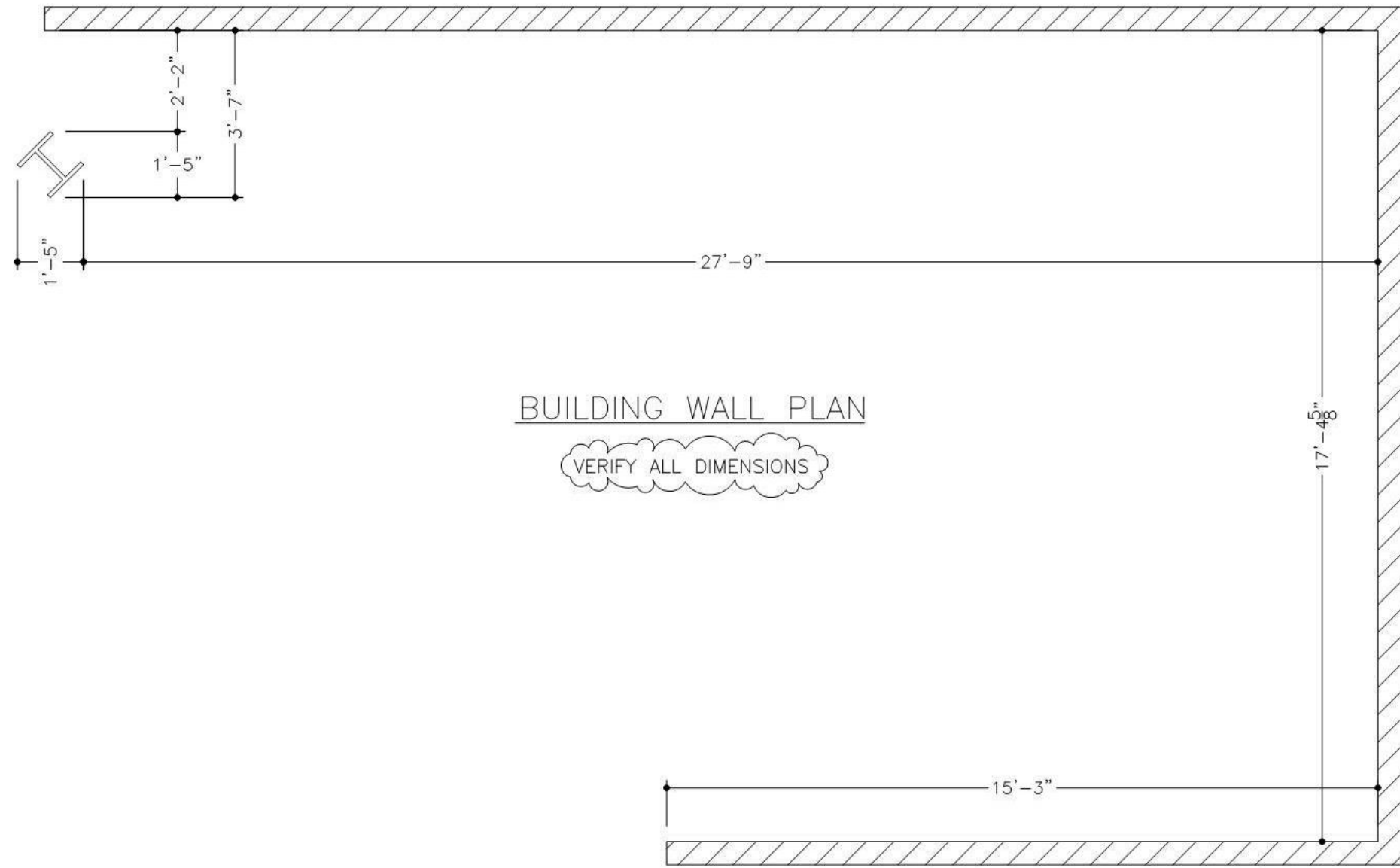
PROJECT NUMBER: CW-0205-4

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WALKIN BOX DETAILS

DRAWING NO.

Q506

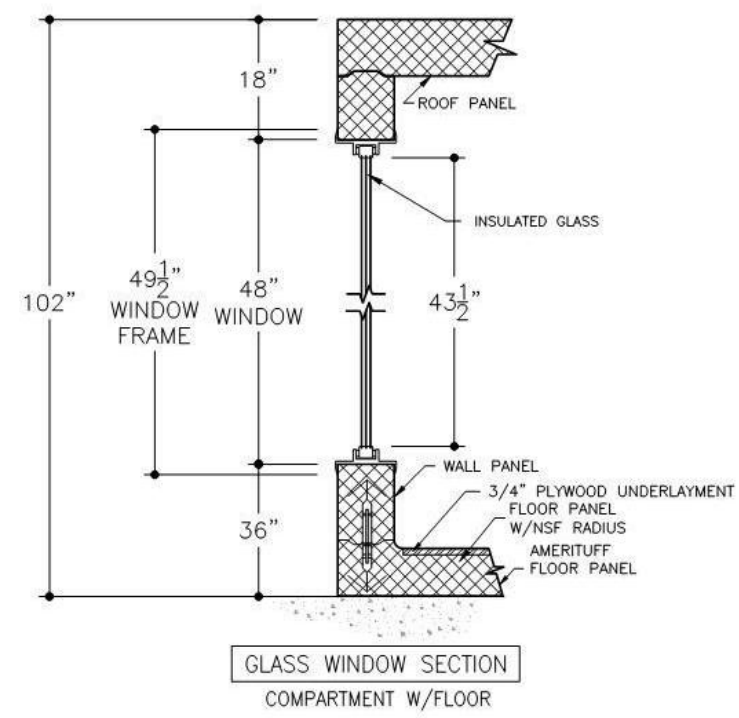


☐ APPROVED
☐ APPROVED AS NOTED
☐ REVISE & RESUBMIT
SIGNATURE _____
PRINT NAME _____
DATE _____

BOX HEIGHT: ~5'-6" (OVERALL 7'-10 1/4" INTERIOR)
CONSTRUCTION: FORMED IN PLACE
NET LISTED STANDARD NO. 7
INSULATION: 4" URETHANE, FINISHED PANEL
UL CLASSIFIED FIRE SPREAD 20
ONE SMOKE DEVELOPED PER HOUR
INSTALLATION: INDOOR
AMERITZ STRUCTURAL FLOOR/WINTER BASE
(1/8" INTEGRAL DIAMOND GRATING, 1/4" ALUMINUM TRAP PLATE,
3/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT)
DOOR HARDWARE & ACCESSORIES: HEAVY DUTY L-SHAPED WOOD BASED CASING DOOR
DECAIR HANDLE W/KEYED CYLINDER LOCK, PADLOCK
PROVISION & INDOOR RELEASE
FRAME: HEATER W/IF
KASON #1097 SPRING LOADED DOOR CLOSER
STRIP CURTAIN
MAGNETIC DOOR SWITCH
3 - KASON #1277 CAN RISE HINGES
HEATED VENT WINDOW (14" x 14")
1/8" DIAMOND GRATING TRAP PLATE NICKELPLATE @ 36" HIGH V/S 8/0 S
SLAM BRACKS
PANEL MOUNTED ACCESSORIES: 1 - AUDIO VISUAL TEMPERATURE ALARM (MODULAR #75LC) W/25" SPEAKERS
1 - KASON SCREW-IN VAPOR PROOF LIGHT FIXTURE
W/2" GUT GLASS AND 1/2" ALUMINUM BASE & GLOBE
SPECIAL WINDOW: 1 - 6'-0" x 4'-0" STYRENE 2200 PLUS FLEX GLASS WINDOW
W/ALUMINUM FRAMES @ 36" A.F.F.
ACCESSORIES: 2 - PCS. TRIM ANGLE
8 - 48" 1818ULED LIGHT FIXTURES @ 40W EACH
ROOF SUPPORT CHANNEL
CESSURE PLATE TO AN EXISTING CEILING (PER PLAN)
METAL FINISHES: INTERIOR WALLS & CEILING - WHITE 26 GA STUCCO GALVANIZED
EXPOSED EXTERIOR - WHITE 26 GA STUCCO GALVANIZED
UNEXPOSED EXTERIOR - WHITE 26 GA STUCCO ACRYLUME
INTERIOR FLOOR & CEILING - 26 GA STUCCO ACRYLUME
EXTERIOR FLOOR - AMERITZ STRUCTURAL FLOOR
(1/8" INTEGRAL DIAMOND GRATING, 1/4" ALUMINUM TRAP PLATE,
3/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT)
REFRIGERATION: U.S. LISTED, AIR COOLED, OUTDOOR
CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC
3.50 HP MOTOR, NO. AA952220T (R-448A)
DIAPHRAGM: 2 - MODEL NO. A0156 /WAVE MOTORS
REFRIGERANT ACCESSORIES: 1 - WINTERIZATION CONTROLS/ASA
1 - COMPRESSOR COVER
1 - COMPRESSOR MOUNTING STAND
1 - DEFROST TIMER

COOLER DOOR	
DOOR FRAME KWhr/DAY	1.584

INSULATION R-VALUES		
PANEL TYPE	COOLER	FREEZER
4" WALLS, ROOFS & DOORS	R-29	R-32
5" WALLS, ROOFS & DOORS	R-36	R-40
FLOORS	R-25	R-28




1) Please verify that door swing and location are correct.

2) If this walk-in is to be installed in a depression, or quarry tile is to be applied to the interior, depression depths or tile thickness must be specified to insure proper door height.

4) Electrical: 115-60-1 required above latch side of each door, through ceiling, to operate frame heater and light.

5) Special note to General Contractor and his Sub Contractor for quarry tile or concrete wearing floors: the sheet metal panel facings may be susceptible to staining due to excessive moisture created by hydration of concrete type materials. Therefore, it is absolutely necessary that each room be properly ventilated. Also note that special precautions must be taken when using muriatic acid due to effects hydrochloric acid fumes have on aluminum and stainless steel.

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	AMERICAN PANEL CORPORATION 5800 S.E. 78th St. Ocala, Florida 34472 Ph. (352) 245-7055 Fax (352) 245-0726		
	CUSTOMER: VISION BUILDERS		
PROJECT: SUNY PURCHASE - NEW YORK CITY, NY			
DATE:	DRAWN BY:	P.O.#:	
1/29/18	SS/PH		
SCALE:	PROPOSAL#:	JOB#:	SHEET
3/8"=1'-0"	28575D		2 of 3

PHASE ZERO
DESIGN

8 WILCOX STREET
SIMSBURY, CONNECTICUT 06070
PHONE: (860) 264-1624
FAX: (860) 264-1628
www.phasezerodesign.com

IENT:

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where hungry minds gather

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STATE UNIVERSITY OF NEW YORK
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INSUL

VB
VISIONBUILDERS
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395 Foster Ave., Suite 100, Charlotte, NC 28203
704.465.5101 704.465.3386 • VISIONBUILDERSUSA.COM

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

[illegible]

ISSUED FOR: DD REVIEW

ISSUED DATE: 1.19.2017

RAWN BY: R.Schneider

HECKED BY: KPF

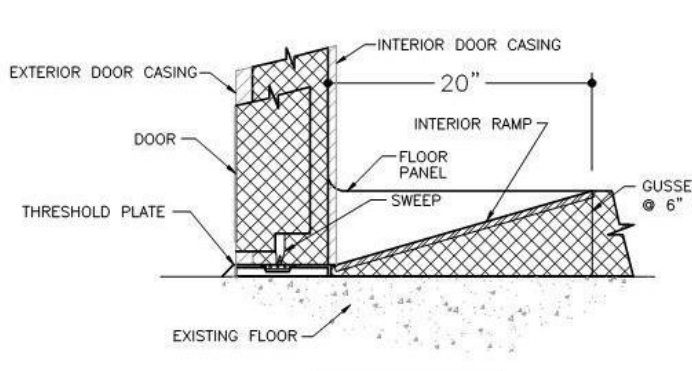
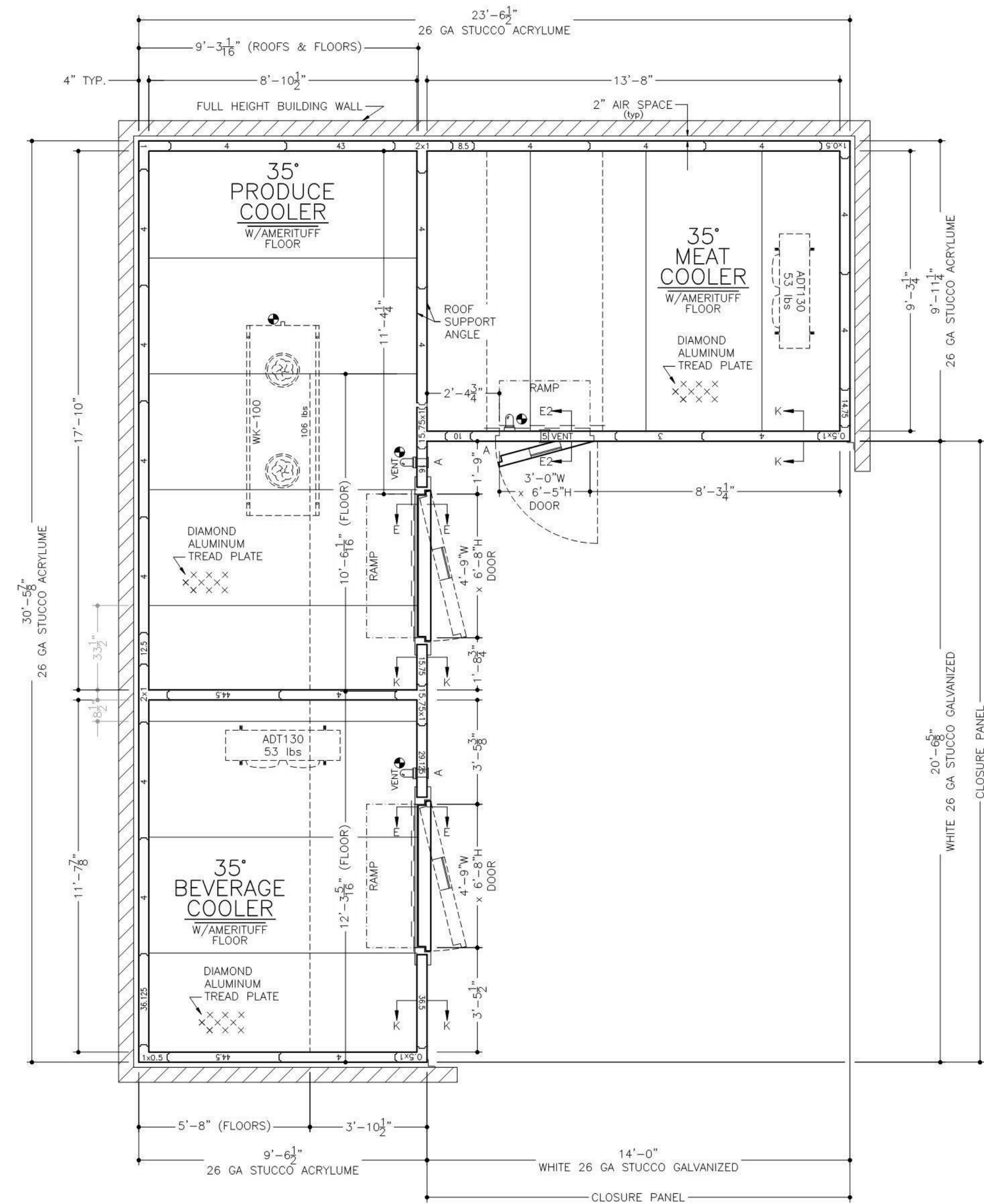
PROJECT NUMBER: CW-0205-4

DRAWING NAME:

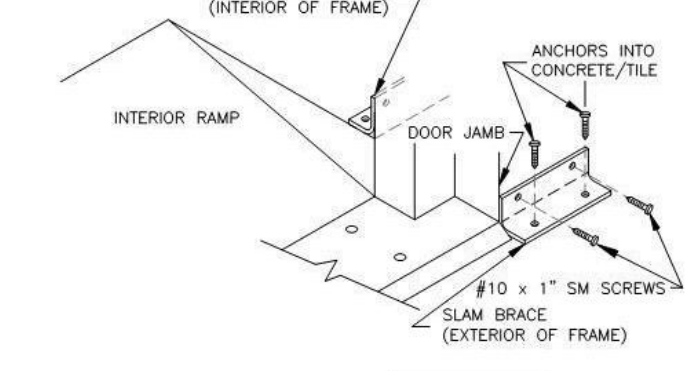
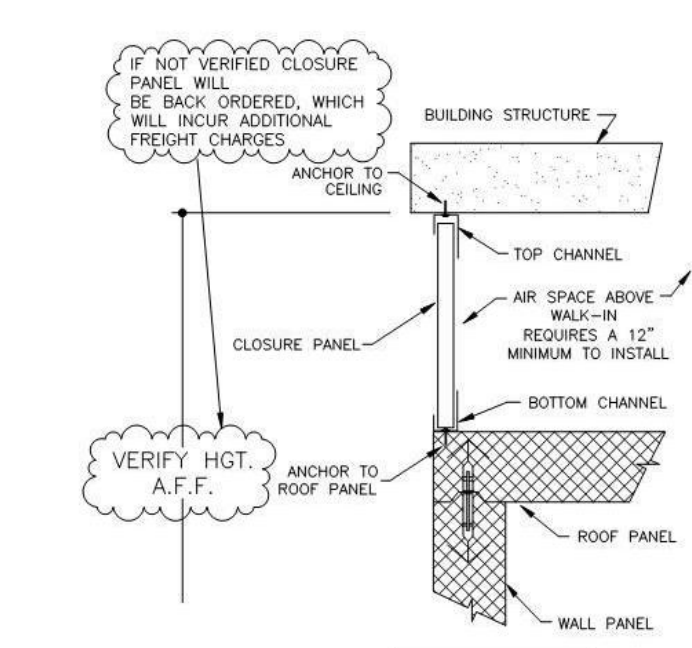
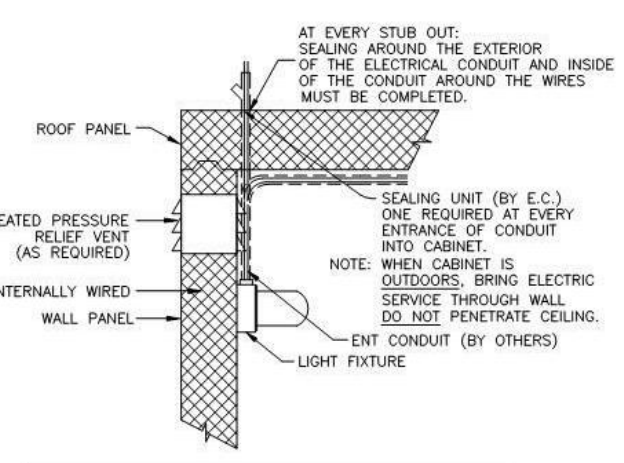
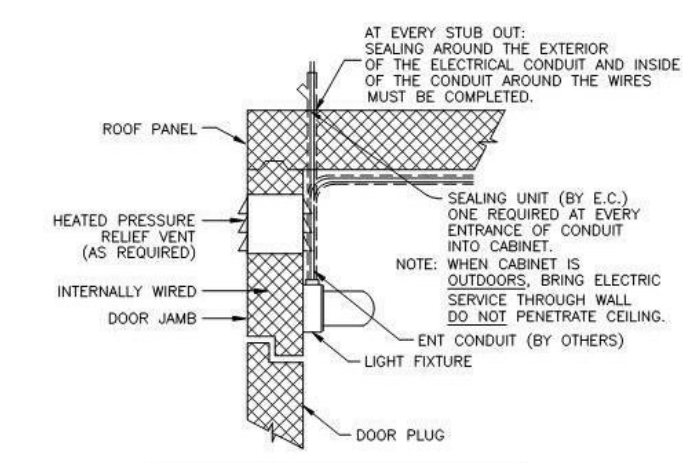
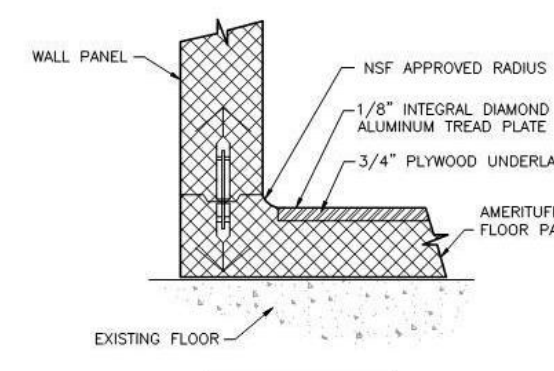
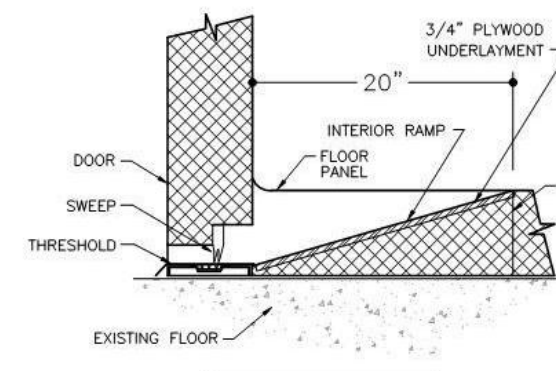
WALKIN BOX DETAILS

DRAWING NO.

Q507

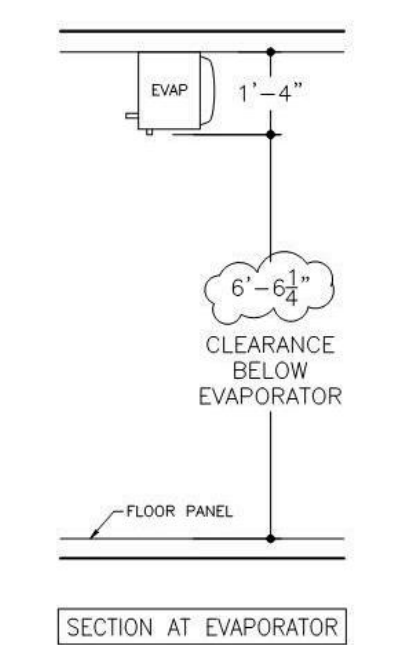
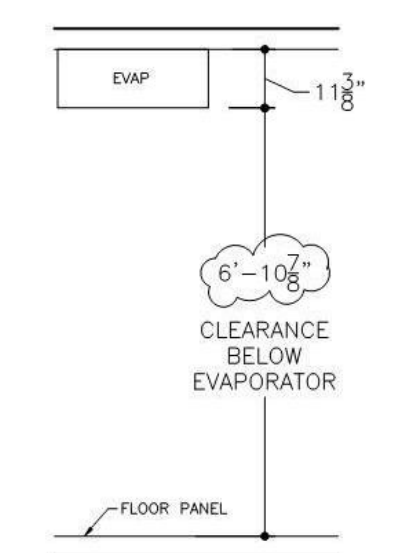
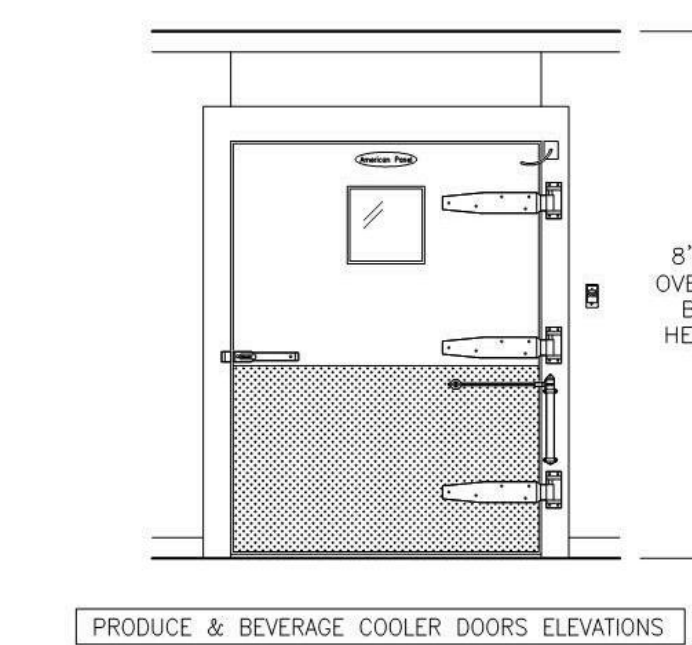
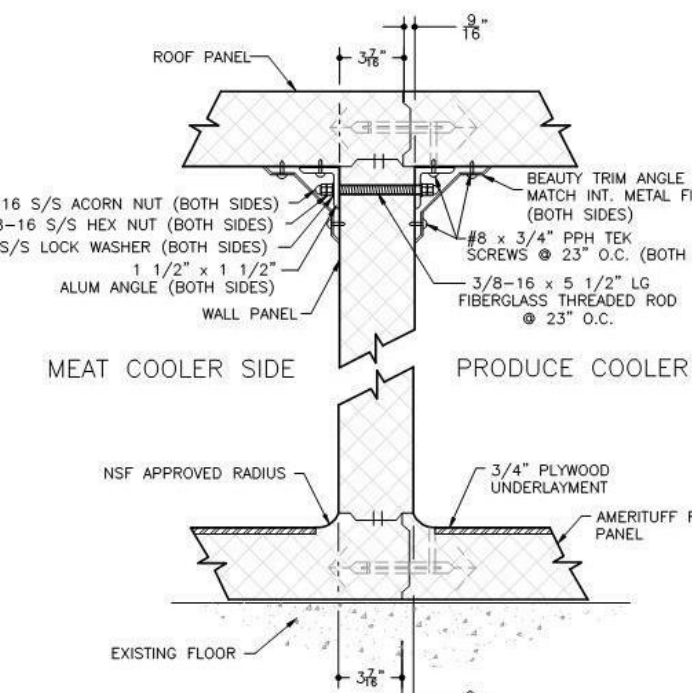
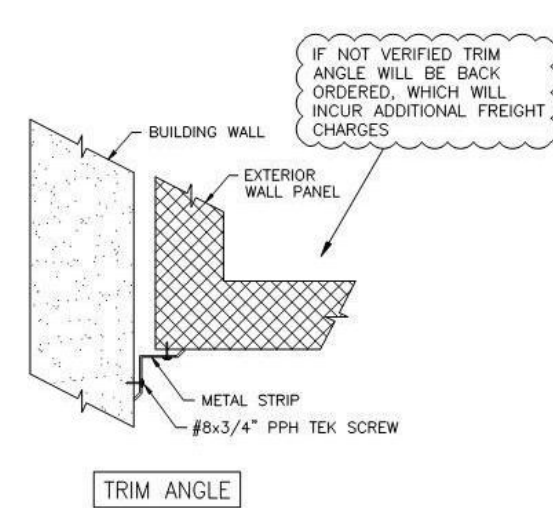
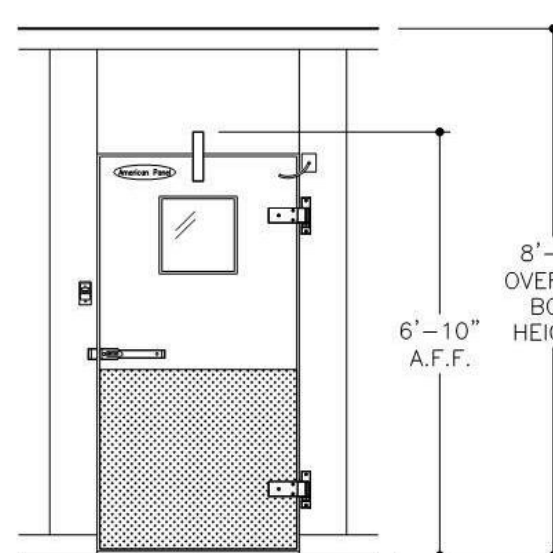


American Panel's walk-in floor panels with Amerituff structural support are designed to withstand uniformly distributed stationary loads of 15,000 lbs. per square foot. American Panel's warranty does not cover damage caused by pallet jacks, forklifts or any other form of heavy-duty rolling traffic. A concrete wearing floor must be installed on top of the Amerituff walk-in floor panels for those rolling applications.



AMERICAN PANEL CORPORATION	
1800 S.E. 78th St. Ocala, Florida 34472	
Ph. (352) 245-7055 Fax (352) 245-0724	
CUSTOMER: VISION BUILDERS	
PROJECT: SUNNY PURCHASE - NEW YORK CITY, NY	
DATE: 1/29/18	DRAWN BY: SS/PH
SCALE: 3/8"=1'-0"	PROPOSED: 285750
JOB#:	SHEET 3 of 3

<input type="checkbox"/> APPROVED	SIGNATURE
<input type="checkbox"/> APPROVED AS NOTED	PRINT NAME
<input type="checkbox"/> REVISE & RESUBMIT	DATE



~SPECIFICATIONS~

BOX HEIGHT: MEAT COOLER - 8'-6" OVERALL (7'-10 1/4" INTERIOR)
PRODUCE COOLER - 8'-6" OVERALL (7'-10 1/4" INTERIOR)
BEVERAGE COOLER - 8'-6" OVERALL (7'-10 1/4" INTERIOR)

CONSTRUCTION: FOAMED IN PLACE
INSULATION: NSF LISTED, STANDARD NO. 7
4" URETHANE FINISHED PANEL
UL CLASSIFIED FLAME SPREAD 20
CORE SMOKE DEVELOPED 350

INSTALLATION: INDOOR
FLOOR: MEAT COOLER - AMERITUFF STRUCTURAL FLOOR W/INTERIOR RAMP
(1/8" INTEGRAL DIAMOND ALUMINUM TREAD PLATE)
(1/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT)
PRODUCE COOLER - AMERITUFF STRUCTURAL FLOOR W/INTERIOR RAMP
(1/8" INTEGRAL DIAMOND ALUMINUM TREAD PLATE)
(1/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT)
BEVERAGE COOLER - AMERITUFF STRUCTURAL FLOOR W/INTERIOR RAMP
(1/8" INTEGRAL DIAMOND ALUMINUM TREAD PLATE)
(1/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT)

DOOR HARDWARE & ACCESSORIES: (EACH DOOR)
HEAVY DUTY L-SHAPED WOOD RAISED CASING DOOR (PRODUCE & BEVERAGE COOLER DOORS ONLY)
DEADBOLT HANDLE W/KEYED CYLINDER LOCK, PADLOCK
PROVISION & INSIDE RELEASE
FRAME HEATER WIRE
KASON #1107 SPRING LOADED DOOR CLOSER (PRODUCE & BEVERAGE COOLER DOORS ONLY)
HYDRAULIC DOOR CLOSER (MEAT COOLER DOOR ONLY)
STRIP CURTAIN
MAGNETIC DOOR SWITCH
3 - KASON #1277 CAM RISE HINGES (PRODUCE & BEVERAGE COOLER DOORS ONLY)
2 - STD. CAM RISE HINGES (MEAT COOLER DOOR ONLY)
HEATED VISION WINDOW (14" x 14")
1/8" DIAMOND ALUMINUM TREAD PLATE KICKPLATES @ 36" HIGH 1/8" & 0/5
SLAM BRACES (PRODUCE & BEVERAGE COOLER DOORS ONLY)
AUDIO VISUAL TEMPERATURE ALARM (MODULAR #75LC) W/25' PROBE (MEAT COOLER DOOR ONLY)
KASON SCREW-IN VAPOR PROOF LIGHT FIXTURE
W/5.5 WATT SILVANA LED BULBS & GLOBE (MEAT COOLER DOOR ONLY)
KASON #1825 PRESSURE RELIEF VENT (MEAT COOLER DOOR ONLY)

PANEL MOUNTED ACCESSORIES: 2 - AUDIO VISUAL TEMPERATURE ALARMS (MODULAR #75LC) W/25' PROBES
2 - KASON SCREW-IN VAPOR PROOF LIGHT FIXTURES
W/5.5 WATT SILVANA LED BULBS & GLOBE
2 - KASON #1825 PRESSURE RELIEF VENTS - FIELD INTERCONNECTION REQUIRED
(FOAMED IN PANEL - PER PLAN)

ACCESSORIES: (SHIPPED LOOSE)
2 - PCS. TRIM ANGLE
7 - 48" (1810LE) LED LIGHT FIXTURES @ 40w EACH
ROOF SUPPORT ANGLE W/BEAUTY TRIM
CLOSURE PANEL TO AN EXISTING CEILING (PER PLAN)

METAL FINISHES: INTERIOR WALLS & CEILING - WHITE 26 GA STUCCO GALVANIZED
EXPOSED EXTERIOR - WHITE 26 GA STUCCO GALVANIZED
UNEXPOSED EXTERIOR - 26 GA STUCCO ACRYLUME
EXTERIOR FLOOR & CEILING - 26 GA STUCCO ACRYLUME
INTERIOR FLOOR - AMERITUFF STRUCTURAL FLOOR
(1/8" INTEGRAL DIAMOND ALUMINUM TREAD PLATE)
(1/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT)

REFRIGERATION: U.L. LISTED, AIR COOLED, OUTDOORS
MEAT COOLER CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC-SCROLL
1.50 HP. MODEL NO. FFAP-0172 (R-449A)
EVAPORATOR: 1 - MODEL NO. ADT130 W/E.C. MOTORS
PRODUCE COOLER CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC-SCROLL
1.50 HP. MODEL NO. FFAP-0172 (R-449A)
EVAPORATOR: 1 - MODEL NO. WK130 W/E.C. MOTORS
BEVERAGE COOLER CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC-SCROLL
1.50 HP. MODEL NO. FFAP-0172 (R-449A)
EVAPORATOR: 1 - MODEL NO. ADT130 W/E.C. MOTORS

REFRIGERATION ACCESSORIES: 3 - WINTERIZATION CONTROLS/LASA
3 - COMPRESSOR COVERS
3 - COMPRESSOR MOUNTING STANDS
3 - DETROIT TIMERS

NOTE: THE LARGEST DOOR PANEL ON THIS JOB IS 70.75" x 87.5".
THE LARGEST CEILING/FLOOR PANEL ON THIS JOB IS 46" x 119.25".
CUSTOMER IS TO VERIFY THAT THIS PANEL SIZE
WILL NOT CONFLICT WITH ANY JOB SITE RESTRICTIONS.
NOTE: CUSTOMER IS TO VERIFY ALL DIMENSIONS,
SECTIONS, DETAILS AND SPECIFICATIONS.

ELECTRICAL DATA
* = POINT OF ELECTRICAL CONNECTIONS.
MEAT COOLER CONDENSING UNIT: 208-230V/60/3ø 14.4 UNIT AMPACITY
EVAPORATOR: 208-230V/60/1ø 1.0 AMPS
PRODUCE COOLER CONDENSING UNIT: 208-230V/60/3ø 14.4 UNIT AMPACITY
EVAPORATOR: 208-230V/60/1ø 1.0 AMPS
BEVERAGE COOLER CONDENSING UNIT: 208-230V/60/3ø 14.4 UNIT AMPACITY
EVAPORATOR: 208-230V/60/1ø 1.0 AMPS
WALK-IN DOORS: 115v/1ø - 350w*

*NOTE: ADD WATTAGE FOR EACH ADDITIONAL LIGHT FIXTURE IN ACCESSORIES.

PRODUCE & BEVERAGE COOLERS DOORS (EACH)	
DOOR FRAME KWH/DAY	1.584
MEAT COOLER DOOR	
DOOR FRAME KWH/DAY	1.584

INSULATION R-VALUES	
PANEL TYPE	COOLER FREEZER
4" WALLS, ROOFS & DOORS	R-29 R-32
5" WALLS, ROOFS & DOORS	R-36 R-40
FLOORS	R-25 R-28

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

REVISIONS	
NO.	DESCRIPTION

ISSUED FOR: DD REVIEW
ISSUED DATE: 1.19.2017
DRAWN BY: R.Schneider
CHECKED BY: KPF
PROJECT NUMBER: CW-0205-4
DRAWING NAME:

WALKIN BOX
DETAILS
Q508

Dwg Filename: C:\Users\l_woodworth\Documents\Q14-0205-4NORTH CAMPUS_FS_2018CD_L_woodworth.rvt
Plot Date: 2/20/2018 5:12:20 PM

FOODSERVICE EQUIPMENT SCHEDULE - NEW					
ITEM NO	QTY	DESCRIPTION	MANUFACTURER	MODEL	EQUIPMENT REMARKS
01	6	DUNNAGE RACK, 48"	METRO	HP2248PD	
02	14	SHELVING, WIRE	METRO	2448BR	4-TIER, 70" POST, CASTERS
03	2	SHELVING, WIRE	METRO	2460BR	4-TIER, 70" POST, CASTERS
04	1	SHELVING, WIRE	METRO	2442BR	4-TIER, 70" POST, CASTERS
05	1	SHELVING, WIRE	METRO	1860BR	4-TIER, 70" POST, CASTERS
06	2	SHELVING, WIRE	METRO	2148BR	4-TIER, 70" POST, CASTERS
07	6	SHELVING, WIRE	METRO	2160BR	4-TIER, 70" POST, CASTERS
08	3	SHELVING, WIRE	METRO	1836BR	4-TIER, 70" POST, CASTERS
09	4	SHELVING, WIRE	METRO	2460BR	4-TIER, 70" POST, CASTERS
10	1	COLD STORAGE ASSEMBLY	AMERICAN PANEL	CUSTOM	
10.1	1	COOLER LIGHT AND WINDOW HEATER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
10.2	2	EVAPORATOR COIL, FREEZER	CUSTOM	CUSTOM	
10.3	1	CONDENSING UNIT, COOLER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
10.4	1	LIGHT AND DOOR HEAT, FREEZER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
10.5	1	EVAPORATOR COIL, FREEZER	CUSTOM	CUSTOM	
10.6	1	CONDENSING UNIT, FREEZER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
11	16	SHELVING, WIRE	METRO	2136NK3	4-TIER, 70" POST, CASTERS
12	2	SHELVING, WIRE	METRO	2160NK3	4-TIER, 70" POST, CASTERS
13	1	SHELVING, WIRE	METRO	2172NK3	4-TIER, 70" POST, CASTERS
14	2	SHELVING, WIRE	METRO	2460NK3	4-TIER, 70" POST, CASTERS
15	1	S/S WORKTABLE W/ UNDERSHELF	EAGLE GROUP	T3060SE	
17	1	SLICER	GLOBE	3600N	
18	1	MOBILE SLICER TABLE	EAGLE GROUP	T3030SEM-ST-CAH	
19	1	UTILITY CART	ROBOT COUP	R199	
20	1	CUTTER, VEGETABLE	ROBOT COUP	CL50	
21	1	SINK, 1-COMPARTMENT	EAGLE GROUP	FN2018-1-36L14/3	LEVER WASTE
22	2	WALL MOUNT WIRE SHELVING	METRO	12WS52C	12WB1C BRACKET TO BE USED
23	1	SINK, 1-COMPARTMENT	EAGLE GROUP	FN2018-1-36L14/3	LEVER WASTE
24	1	SINK, HAND, WALL-MOUNT	EAGLE GROUP	HSA-10-F	
25	5	DUNNAGE RACK, 36"	METRO	HP2236PD	
27	3	SHELVING, WIRE	METRO	2148NK3	4-TIER, 70" POST, CASTERS
28	6	SHELVING, WIRE	METRO	2136NK3	4-TIER, 70" POST, CASTERS
29	2	SHELVING, WIRE	METRO	2154NK3	4-TIER, 70" POST, CASTERS
30	2	SHELVING, WIRE	METRO	2142NK3	4-TIER, 70" POST, CASTERS
31	2	SHELVING, WIRE	METRO	2436NK3	4-TIER, 70" POST, CASTERS
32	1	SHELVING, WIRE	METRO	2142NK3	4-TIER, 70" POST, CASTERS
33	1	SHELVING, WIRE	METRO	2160NK3	4-TIER, 70" POST, CASTERS
34	4	SHELVING, WIRE	METRO	2472BR	4-TIER, 70" POST, CASTERS
35	11	SHELVING, WIRE	METRO	2460BR	4-TIER, 70" POST, CASTERS
36	2	SHELVING, WIRE	METRO	2148BR	4-TIER, 70" POST, CASTERS
37	2	SHELVING, WIRE	METRO	2448BR	4-TIER, 70" POST, CASTERS
38	2	SHELVING, WIRE	METRO	2436BR	4-TIER, 70" POST, CASTERS
39	9	SHELVING, WIRE	METRO	2160BR	4-TIER, 70" POST, CASTERS
40	2	SHELVING, WIRE	METRO	2148BR	4-TIER, 70" POST, CASTERS
41	1	SHELVING, WIRE	METRO	2130BR	4-TIER, 70" POST, CASTERS
42	2	SHELVING, WIRE	METRO	2172BR	4-TIER, 70" POST, CASTERS
43	1	COLD STORAGE ASSEMBLY	AMERICAN PANEL	CUSTOM	
43.1	1	COOLER LIGHT AND WINDOW HEATER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
43.2	1	EVAPORATOR COIL, COOLER	CUSTOM	CUSTOM	
43.3	1	CONDENSING UNIT, COOLER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
43.4	1	COOLER LIGHT AND WINDOW HEATER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
43.5	1	EVAPORATOR COIL	CUSTOM	CUSTOM	
43.6	1	CONDENSING UNIT, COOLER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
43.7	1	COOLER LIGHT AND WINDOW HEATER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
43.8	1	EVAPORATOR COIL, COOLER	CUSTOM	CUSTOM	
43.9	1	CONDENSING UNIT, COOLER	CUSTOM	CUSTOM	REFER TO DETAIL SHEET Q506 - Q508
44.1	2	SHELVING, WIRE	METRO	1860NK3	4-TIER, 70" POST, CASTERS
44.2	1	SHELVING, WIRE	METRO	2142NK3	4-TIER, 70" POST, CASTERS
44.3	1	SHELVING, WIRE	METRO	2148NK3	4-TIER, 70" POST, CASTERS
44.4	2	SHELVING, WIRE	METRO	2160NK3	4-TIER, 70" POST, CASTERS
44.5	1	SHELVING, WIRE	METRO	1854NK3	4-TIER, 70" POST, CASTERS
44.6	4	SHELVING, WIRE	METRO	1448NK3	4-TIER, 70" POST, CASTERS
44.7	3	SHELVING, WIRE	METRO	2154NK3	4-TIER, 70" POST, CASTERS
44.8	2	SHELVING, WIRE	METRO	1848NK3	4-TIER, 70" POST, CASTERS
44.9	1	SHELVING, WIRE	METRO	2148NK3	4-TIER, 70" POST, CASTERS
44.10	4	SHELVING, WIRE	METRO	1836NK3	4-TIER, 70" POST, CASTERS
44.11	1	SHELVING, WIRE	METRO	1460NK3	4-TIER, 70" POST, CASTERS
45	1	ICE BIN	HOSHIZAKI	B-500SF	
46	1	MODULAR CUBELET ICE MACHINE - AIR-COOLED	HOSHIZAKI	PD-1001MAJ-C	
47	1	SINK, HAND, WALL-MOUNT	EAGLE GROUP	HSA-10-F	
48	2	CART, DISH & TRAY	CAMBRO	TDOR12-191	
49	1	SOILED DISHTABLE	EAGLE GROUP	SDTR-96-14/3	
49.1	1	WALL MOUNT PRE-RINSE FAUCET	T&S BRASS	B-0133-B	
50	1	SHELF, SORTING	EAGLE GROUP	605381	MOUNT AT 60" A.F.F.
51	1	DISHWASHER, CONVEYOR TYPE	CHAMPION	66DRPW	TALLER OPENING
52	1	CLEAN DISHTABLE	EAGLE GROUP	SDTL-60-14/3	
53	2	SHELVING, WIRE	METRO	2460BR	4-TIER, 70" POST, CASTERS
54	1	SINK, 3-COMPARTMENT	EAGLE GROUP	FN-CUSTOM	LEVER WASTE
55	4	WALL MOUNT WIRE SHELVING	METRO	12WS52C	12WB1C BRACKET TO BE USED
56	1	SHELVING, WIRE	METRO	2442BR	4-TIER, 70" POST, CASTERS
57	1	SHELVING, WIRE	METRO	2460BR	4-TIER, 70" POST, CASTERS
58	2	SINK, HAND, WALL-MOUNT	EAGLE GROUP	HSA-10-F	
59	1	STAND, EQUIPMENT	EAGLE GROUP	MMT3030S	CASTERS, PAN SLIDES
60	1	MIXER, 20 QT	HOBART	HL200-1STD	W/ BOWL, BEATER, WHIP
61	2	BIN, INGREDIENT	CAMBRO	IBS27148	

EXISTING TO BE RELOCATED		
ITEM NO	QTY	EQUIPMENT REMARKS
E05	1	FRYER, DEEP FAT, ELECTRIC
E06	1	PAN RACK, UNIVERSAL
E11	1	CONVECTION OVEN, ELECTRIC
E12	1	FLAV-R-SAVOR, PORTABLE HOLDING CABINET
E13	1	S/S WORKTABLE W/ UNDERSHELF & SINK
E17	4	COFFEE SHUTTLE
E25	1	ELECTRIC KETTLE
E26	1	TILT SKILLET
E43	1	DUNNAGE RACK, 36"
E44	2	DUNNAGE RACK, 60"
E52	1	SLICER
E55	2	WORKTOP REFRIGERATOR
E72	2	WATER FILTER SYSTEM
E74	1	TEA URN
E75	1	CAPPUCCINO DISPENSER
E77	1	BEVERAGE DISPENSER
E78	2	COFFEE GRINDER
E79	1	HOT WATER DISPENSER
E80	1	MILK DISPENSER
E81	1	THERMAL COFFEE BREWER, DOUBLE
E82	2	POS, SELF-CHECKOUT
E91	1	OVEN
E128	1	HOT/COLD PAN, DROP-IN
E129	1	HOT/COLD PAN, DROP-IN

FOODSERVICE EQUIPMENT SCHEDULE - NEW					
ITEM NO	QTY	DESCRIPTION	MANUFACTURER	MODEL	EQUIPMENT REMARKS
62	1	SINK, 1-COMPARTMENT	EAGLE GROUP	FN2018-1-36R14/3	LEVER WASTE
63	1	MAPLE TOP WORK TABLE	JOHN BOOS	HNS16	
64	1	SINK, 1-COMPARTMENT	EAGLE GROUP	FN2018-1-36L14/3	LEVER WASTE
65	1	300T MIXER	HOBART	HL300-1STD	
66	1	HOT HOLDING CABINET	METRO	C539-CDC-U	
67	1	REFRIGERATOR, ROLL-IN	CONTINENTAL	DL1RI	
68	1	GRIDDLE STAND, REFRIGERATOR	CONTINENTAL	DL72G	
69	1	GRIDDLE, GAS, COUNTERTOP	SOUTHBEND	HDG-24	
70	1	CHARBROILER, GAS, COUNTERTOP	SOUTHBEND	HDC-24	
71	1	COUNTERTOP RANGE	SOUTHBEND	HDO-24	W/SPLASH GUARDS
72	1	TILT SKILLET, GAS	CLEVELAND RANGE	SGL30TR	DOUBLE PANTRY FILL FAUCET, GAS QUICK DISCONNECT
72.1	1	FLOOR TROUGH	IMC TEDDY	FWR-48-SG	
73	1	EXHAUST HOOD	CAPTIVEAIRE	ND	REFER TO DETAIL SHEET Q500 - Q505
73.1	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	WET CHEMICAL
74	1	HOT CABINET, ROLL-IN	CONTINENTAL	DL2WI	
75	2	PAN RACK, UNIVERSAL	NEW AGE	1306	
76	1	REFRIGERATOR, REACH-IN	CONTINENTAL	2R	CASTERS
77	1	S/S WORKTABLE W/ UNDERSHELF	EAGLE GROUP	T3072SE	
78	1	WORKTOP REFRIGERATOR	CONTINENTAL	SW72	
79	1	S/S WORKTABLE W/ UNDERSHELF & SINK	EAGLE GROUP	T3096SE	
80	1	CEILING MOUNTED RACK	EAGLE GROUP	CM84PR	
81	1	POT & UTENSIL RACK, CEILING MOUNTED	EAGLE GROUP	CM108PR	
82	2	REFRIGERATOR, WORKTOP	CONTINENTAL	SW60	CASTERS
83	3	FRYER	PITCO	SG14S-1FD	CASTERS, GAS QUICK DISCONNECT
84	1	FRYER DUMP STATION	PITCO	BNB-SG14	
85	4	EXHAUST HOOD	CAPTIVEAIRE	ND	REFER TO DETAIL SHEET Q500 - Q505
85.1	2	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	WET CHEMICAL
86	1	FLOOR TROUGH	IMC TEDDY	FWR-84-SG	
87	1	36" OPEN-TOP BURNER RANGE - CONVECTION - OVEN BASE	SOUTHBEND	P36A-BBB	
88	1	GRIDDLE STAND, REFRIGERATOR	CONTINENTAL	DL84G	
89	1	GRIDDLE, GAS, COUNTERTOP	SOUTHBEND	HDG-48	
90	1	CHARBROILER, GAS, COUNTERTOP	SOUTHBEND	HDC-36	
91	2	OVEN-STEAMER, COMBINATION, GAS, DOUBLE STACK	RATIONAL USA	CMP 61 G / CMP 61 G	
92	1	ROTISSERIE, VERTICAL, GAS	WOODSTONE	WS-GVR-10	
93	1	REFRIGERATOR, UNDERCOUNTER	CONTINENTAL	UC48	
94	1	REFRIGERATED SANDWICH UNIT	CONTINENTAL	DL48-12	
95	1	CABINET, MOBILE, WARMING & HOLDING	CRES COR	H-339-X-128C	
96	1	DOUBLE OVERSHELF	EAGLE GROUP	CUSTOM	13'-8" x 1'-0", TABLE MOUNTED, DOUBLE OVERSHELF, w/HEAT LAMPS
97	1	OMS SCREEN - WALL MOUNT	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
110	5	CUP DISPENSER, DROP-IN	DISPENSE-RITE	ADJ-2	UNDERCOUNTER MOUNTING BRACKET
111	3	REFRIGERATED CASE	STRUCTURAL CONCEPTS	CO63R-UC	
112	2	HEATED SHELF, DROP-IN	HATCO	GRSBF-48-I	
113.1	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
113.2	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
113.3	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
113.4	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
120	3	SINK, HAND, WALL-MOUNT	EAGLE GROUP	HSA-10-F	
121	1	FRYER, SPREADER CABINET	FRYMASTER	15MC	
122	1	RANGE, WOK	MONTAGUE	CRM-2	
123	1	GRIDDLE STAND, REFRIGERATOR	CONTINENTAL	DL48G	
124	1	CHARBROILER, GAS, COUNTERTOP	SOUTHBEND	HDC-24	
125	1	GRIDDLE, GAS, COUNTERTOP	SOUTHBEND	HDG-24	
126	2	OVEN-STEAMER, COMBINATION, GAS	RATIONAL USA	CMP 61 G	
127	1	EXHAUST HOOD	CAPTIVEAIRE	ND	REFER TO DETAIL SHEET Q500 - Q505
127.1	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	WET CHEMICAL
128	1	FREEZER, REACH-IN	CONTINENTAL	1FES-GD	
129	1	REFRIGERATED CASE	STRUCTURAL CONCEPTS	CO53R	
130	4	DROP-IN, HOT/COLD WELL	LTI	QSCHP-3-T	
131	1	DROP IN, HOT/COLD/FREEZE WELL	LTI	QSCHP-2	
132	2	OMS SCREEN - WALL MOUNT	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
133	1	DISPLAY CASE, SUSHI PREP	STRUCTURAL CONCEPTS	GP441RR	STAINLESS STEEL EXTERIOR
134.1	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
134.2	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
140	1	SINK, 1-COMPARTMENT	EAGLE GROUP	FN2018-1-36L14/3	LEVER WASTE
141	1	GROWING CABINET	CARTER-HOFFMANN	GC42	
150	1	FREEZER, REACH-IN	CONTINENTAL	1F	
151	1	GRIDDLE STAND, REFRIGERATOR	CONTINENTAL	DL72G	
152	1	COUNTERTOP RANGE	SOUTHBEND	HDO-24	W/SPLASH GUARDS
153	1	CHARBROILER, GAS, COUNTERTOP	SOUTHBEND	HDC-24	
154	1	GRIDDLE, GAS, COUNTERTOP	SOUTHBEND	HDG-24	
155	1	FRYER	PITCO	SG14RS-1FD	
156	1	FRYER DUMP STATION	PITCO	BNB-SG14	
157	1	EXHAUST HOOD	CAPTIVEAIRE	ND	REFER TO DETAIL SHEET Q500 - Q505
157.1	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	WET CHEMICAL
158	2	REFRIGERATED SELF-SERVICE CASE - 24"D	STRUCTURAL CONCEPTS	B42	
159	4	SOUP WARMER/RETHMALIZER	VOLLRATH	74110110	
160	3	SANDWICH UNIT, REFRIGERATED	CONTINENTAL	SW72-30M-FB	w/REMOVABLE S/S NIGHT COVER
161.1	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
161.2	1	SNEEZE GUARD	VERSA-GARD	VP24	BRUSHED ALUMINUM FINISH, MEET NSF2 REQUIREMENTS
161.3	1	SNEEZE GUARD	VERSA-GARD	VP24	BRUSHED ALUMINUM FINISH, MEET NSF2 REQUIREMENTS
161.4	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
161.5	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
170	3	LCD SCREEN	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
171	9	OSM SCREEN	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
172	1	ICE MAKER & DISPENSER	HOSHIZAKI	DCM-270BAH	WATER FILTRATION SYSTEM
173	1	MULTI BEVERAGE DISPENSER	PEPSI CO	SPIRE 2.0	WATER FILTER
174	6	MENU SCREEN	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
180	1	REFRIGERATED DISPLAY CASE	RPI	VICD2-27-R-SQ-SC INS	
181	1	HAND SINK, DROP-IN	EAGLE GROUP	SR10-14-9.5-1	
182	1	SANDWICH UNIT, REFRIGERATED	CONTINENTAL	DL27-12M-FB	
183	2	UNDERCOUNTER REFRIGERATOR, GLASS DOOR	CONTINENTAL	UC60-GD	
184	2	SLICER	GLOBE	3600N	
185	2	SANDWICH PRESS	ELECTROLUX	603869	
186	1	UTILITY SINK, DROP-IN	EAGLE GROUP	SR14-16-9.5-1	
187.1	1	SNEEZE GUARD	VERSA-GARD	VP1	BRUSHED ALUMINUM FINSH, MEET NSF2 REQUIREMENTS
187.2	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
187.3	1	SNEEZE GUARD	VERSA-GARD	VP1	BRUSHED ALUMINUM FINSH, MEET NSF2 REQUIREMENTS
190	1	OVEN, HEARTH	WOODSTONE	WS-MS-6-RFG-IR	SMALL RADIUS FACADE, MEDIUM TOOL SET, GAS QUICK DISCONNECT
190.1	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	WET CHEMICAL
191	1	CUTTING BOARD	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
192	2	HEATED SHELF, DROP-IN	HATCO	GRSBF-36-I	
193	1	HOT/COLD PAN, DROP-IN	DELFIELD	N830	
194	1	REFRIGERATED CASE	STRUCTURAL CONCEPTS	CO43R-UC	
195	1	REFRIGERATOR, REACH-IN	CONTINENTAL	2R	
196	1	PIZZA PREP, REFRIGERATOR	CONTINENTAL	CPA93	
197	1	REFRIGERATOR, ROLL-IN	CONTINENTAL	DL1RI	
198	1	S/S WORKTABLE W/ UNDERSHELF	EAGLE GROUP	T2436SE	
199	1	SINK, HAND, WALL-MOUNT	EAGLE GROUP	HSA-10-F	
200.1	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
200.2	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
200.3	1	SNEEZE GUARD	VERSA-GARD	VG3-SK	
200.4	1	SNEEZE GUARD	VERSA-GARD	VP24	BRUSHED ALUMINUM FINISH, MEET NSF2 REQUIREMENTS
210.1	13	POS, SELF-CHECKOUT	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
210.2	15	PRINTER, ORDER	PROVIDED BY OPERATIONS	CONTACT OPERATIONS	
212	1	AIR CURTAIN	MARS AIR DOOR	STD278-2UA-SS	
213	4	SELF-SERVE SLIM LINE MERCHANDISER, REFRIGERATED	FEDERAL INDUSTRIES	RSSL-478SC	

GENERAL

1. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS. ALSO, SEE SPECIFICATIONS.

2. THE STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO TOTAL COMPLETION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. JOBSITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. LACK OF COMMENT BY THE ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE ASPECTS OF WORK.

B. DESIGN AND LOADING

ALLOWABLE UNIT STRESSES AND DESIGN CRITERIA ARE IN ACCORDANCE WITH THE FOLLOWING:

A) "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AISC 360-05.
B) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318
C) LATEST EDITION OF "NEW YORK STATE BUILDING CODE"

2. LIVE LOAD:

A) FLOOR LIVE LOAD 100 psf
B) ROOF LIVE LOAD - TYPICAL 20 psf

C) ROOF SNOW LOAD

-GROUND SNOW LOAD Pg=30 psf
-FLAT ROOF SNOW LOAD Pf=30 psf
-SHEDDING SNOW LOAD 90 psf (MAX)
-SNOW EXPOSURE FACTOR Ce=1.0
-THERMAL FACTOR Ct=1.0
-SNOW IMPORTANCE FACTOR I=1.2

3. LATERAL LOADS:

A) WIND LOADS -WIND VELOCITY (3 SECOND GUST) 130 mph
-RISK CATEGORY III
-WIND EXPOSURE B

B) SEISMIC LOADS -MAPPED ACCELERATION FOR SHORT PERIOD Ss=0.267
-MAPPED ACCELERATION FOR 1 SEC. PERIOD S=0.071
-SEISMIC DESIGN CATEGORY B
-SEISMIC IMPORTANCE FACTOR 1.5
-SITE CLASS DEFINITION C

4. ALLOWABLE PRESUMPTIVE SOIL BEARING PRESSURE: 2 TONS/SF

5. DESIGN STRESSES AND MATERIAL:

A) CONCRETE (28-DAY STRENGTH, NORMAL WEIGHT) 3,000 PSI
B) REINFORCED STEEL ASTM A-615 Fy=60 KSI
C) WELDED WIRE ASTM A-165 Fy=60 KSI
D) STRUCTURAL STEEL ASTM A-36 Fy=36 KSI
E) STRUCTURAL WIDE FLANGES ASTM A992 Fy=50 KSI
F) STRUCTURAL STEEL PIPES ASTM A-53 GRADE B Fy=36 KSI
G) STRUCTURAL STEEL TUBES ASTM A-500 GRADE B Fy=46 KSI
H) BOLTS: 3/4" INCH DIAMETER ASTM A-325
I) WELDING ELECTRODES E-70XX

C. FOUNDATION

1. ALL FOUNDATION EXCAVATIONS SHALL BE TO REQUIRED ELEVATION OR UNDISTURBED SOIL. ALL FOUNDATIONS EXCAVATIONS SHALL BE TO SOUND GROUND.

2. BOTTOM OF EXTERIOR FOOTING TO BE A MINIMUM 3'-6" BELOW FINISHED GRADE. ALL FOOTINGS SHALL A MINIMUM OF 1'-6" BELOW EXISTING GRADE, UNLESS ON STRUCTURAL FILL.

3. STRUCTURAL FILL SHALL BE APPROVED STRUCTURAL GRAVEL COMPACTION IN 8" LAYERS TO 95% OF MODIFIED OPTIMUM DENSITY.

4. ALL FOUNDATION EXCAVATIONS AND STRUCTURAL FILL SHALL BE TESTED AND INSPECTED TO ENSURE THE ALLOWABLE SOIL BEARING PRESSURE AND DENSITY OF FOUNDATION BEARING MATERIALS.

5. BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.

D. CONCRETE WORK AND REINFORCING

1. WALL FOOTING ARE TO BE 12 INCHES DEEP WITH 4-INCH PROJECTIONS, UNLESS OTHERWISE NOTED.

2. ALL FOUNDATION WALLS ARE TO BE KEYPED TO FOOTINGS.

3. SLABS ARE TO BE KEYPED TO SUPPORTING WALLS.

4. WHERE VERTICAL REINFORCING BARS ARE CALLED FOR IN WALLS, AT COLUMN LOCATIONS OR PIERS, SUCH BARS ARE TO BE DOVELED INTO FOOTINGS.

5. POCKET WALLS WHERE NECESSARY FOR COLUMNS AND SLABS.

6. PROVIDE MINIMUM OF 2 INCHES COVER AROUND COLUMN BASE PLATES.

7. REINFORCING TO BE LAPPED 36 BAR DIAMETERS AT ALL CORNERS, SPLICES, DOWELS, ETC.

8. PROVIDE TWO (2) #5 BARS ON ALL SIDES AND DIAGONALLY AT CORNERS PROVIDE OF OPENINGS THROUGH CONCRETE WALLS. BARS TO EXTEND 2'-0" BEYOND EDGE OF OPENING.

9. UNLESS OTHERWISE NOTED, ALL FOUNDATION WALLS ARE TO BE REINFORCED WITH TWO (2) #5 BARS, CONTINUOUS TOP AND BOTTOM.

10. HORIZONTAL WALL CONSTRUCTION JOINTS WILL NOT BE PERMITTED, EXCEPT WHERE SHOWN.

11. ALL JOINTS IN STRUCTURAL SLABS SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN OR APPROVED.

12. AIR-ENTRAIN ALL EXPOSED CONCRETE.

13. PADS ARE REQUIRED FOR ALL FLOOR STANDING EQUIPMENT. COORDINATE SIZE AND LOCATION OF EQUIPMENT WITH MECHANICAL AND ELECTRICAL CONTRACTORS.

14. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS, INCLUDING DIMENSIONS AND LOCATION OF ALL OPENINGS, EMBEDDED ITEMS, ETC., FOR MECHANICAL AND ELECTRICAL TRADES.

15. COVER FOR REINFORCING:

A) CONCRETE PLACED ON EARTH: 3"
B) FORMED CONCRETE EXPOSED TO GROUND OR WEATHER: 1-1/2"
C) FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER: 3/4"

1. ROOF DECK: 1-1/2-INCH DEEP, 22-GAUGE, WIDE RIB PAINTED, TYPE 'B' METAL DECK.

2. FLOOR DECK: 1-1/2-INCH DEEP, 20-GAUGE, GALV. COMPOSITE METAL DECK - U.O.N

3. WELD DECK AT SIX (6) INCHES ON CENTER WITH 5/8-INCH DIAMETER PUDDLE WELDS AT EVERY STEEL SUPPORT AND PERIMETER SUPPORT PARALLEL TO DECK SPAN.

4. SIDE LIPS SHALL BE FASTENED AT QUARTER POINTS, USING #10 SELF TAPPING SHEET METAL SCREWS.

F. STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

2. FABRICATE AND ERECT ALL BEAMS WITH MILL CAMBER UP.

3. PROVIDE WEB STIFFENER PLATES FOR BEAMS CONTINUOUS OVER COLUMNS OR BELOW SUPPORTED COLUMNS.

4. PROVIDE TWO L2 x 3/16" ADDITIONAL WEB MEMBERS FROM TOP CHORD TO BOTTOM CHORD PANEL POINTS OF JOIST WHERE CONCENTRATED LOADS FALL BETWEEN TOP CHORD PANEL POINTS.

5. WHENEVER WELDING IS EMPLOYED, EITHER IN FABRICATION OR ERECTION ALL SUCH WELDING SHALL BE COMPLETED BY QUALIFIED WELDERS IN COMPLETE ACCORD WITH THE "STRUCTURAL WELDING CODE - STEEL" OF THE AMERICAN WELDING CODE.

6. PROVIDE ANGLE FRAMES FOR ROOF DRAIN SUMP PANS AND ALL OTHER NEW FLOOR AND ROOF OPENINGS 12-INCHES OR GREATER. ANGLE FRAMES TO BE L5 x 1/2 x 11'-4" TYPICAL.

7. FURNISH LOOSE ANGLE LINTELS, UNLESS OTHER LINTELS ARE SPECIFICALLY INDICATED. FOR ALL OPENINGS IN MASONRY WALLS FOR DOORS, WINDOWS, DUCTS, PASS-THOUGHS, ETC. FOR EACH FOUR (4) INCHES OF MASONRY, FURNISH ONE ANGLE AS FOLLOWS:

SPAN	LINTEL
UP TO 4'-6"	L3-1/2 x 3-1/2 x 5/16
4'-6" TO 5'-6"	L4 x 3-1/2 x 5/16
5'-6" TO 6'-6"	L5 x 3-1/2 x 5/16
6'-6" TO 7'-6"	L6 x 3-1/2 x 3/8
7'-6" TO 11'-0"	WB21 x 3/8" PLATE

FOR SIX (6) INCH WALLS, USE TWO (2) ANGLES WITH 2-1/2 INCH LEGS OUTSTANDING. FOR FOUR (4) INCH WALLS, USE ST3 x 6.25, MINIMUM SIX (6) INCH LONG BEARING FOR ALL LINTELS.

8. PROVIDE SHOP COAT OF PAINT.

9. SUBMIT SHOP DRAWINGS, INCLUDING LINTEL SCHEDULE AND SHOP PAINT

G. FIELD MEASUREMENTS

1. CONTRACTOR SHALL VERIFY IN THE FIELD ALL MEASUREMENTS, CONDITIONS AND ELEVATIONS NECESSARY FOR HIS WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR ACCURACY.

1. ALL FOUNDATION EXCAVATIONS SHALL BE TO REQUIRED ELEVATION OR UNDISTURBED SOIL. ALL FOUNDATIONS EXCAVATIONS SHALL BE TO SOUND GROUND.
2. BOTTOM OF EXTERIOR FOOTING TO BE A MINIMUM 3'-6" BELOW FINISHED GRADE. ALL FOOTINGS SHALL A MINIMUM OF 1'-6" BELOW EXISTING GRADE, UNLESS ON STRUCTURAL FILL.
3. STRUCTURAL FILL SHALL BE APPROVED STRUCTURAL GRAVEL COMPACTED IN 8" LAYERS TO 95% OF MODIFIED OPTIMUM DENSITY.
4. ALL FOUNDATION EXCAVATIONS AND STRUCTURAL FILL SHALL BE TESTED AND INSPECTED TO ENSURE THE ALLOWABLE SOIL BEARING PRESSURE AND DENSITY OF FOUNDATION BEARING MATERIALS.
5. BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.

D. CONCRETE WORK AND REINFORCING

1. WALL FOOTING ARE TO BE 12 INCHES DEEP WITH 6-INCH PROJECTIONS, UNLESS OTHERWISE NOTED.
2. ALL FOUNDATION WALLS ARE TO BE KEYED TO FOOTINGS.
3. SLABS ARE TO BE KEYED TO SUPPORTING WALLS.
4. WHERE VERTICAL REINFORCING BARS ARE CALLED FOR IN WALLS, AT COLUMN LOCATIONS OR PIERS, SUCH BARS ARE TO BE DOWELED INTO FOOTINGS.
5. POCKET WALLS WHERE NECESSARY FOR COLUMNS AND SLABS.
6. PROVIDE MINIMUM OF 2 INCHES COVER AROUND COLUMN BASE PLATES.
7. REINFORCING TO BE LAPPED 36 BAR DIAMETERS AT ALL CORNERS, SPLICES, DOWELS, ETC.
8. PROVIDE TWO (2) #5 BARS ON ALL SIDES AND DIAGONALLY AT CORNERS PROVIDE OF OPENINGS THROUGH CONCRETE WALLS. BARS TO EXTEND 2'-0" BEYOND EDGE OF OPENING.
9. UNLESS OTHERWISE NOTED, ALL FOUNDATION WALLS ARE TO BE REINFORCED WITH TWO (2) #5 BARS, CONTINUOUS TOP AND BOTTOM.
10. HORIZONTAL WALL CONSTRUCTION JOINTS WILL NOT BE PERMITTED, EXCEPT WHERE SHOWN.
11. ALL JOINTS IN STRUCTURAL SLABS SHALL BE MADE AT CENTER OF SPAN WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN OR APPROVED.
12. AIR-ENTRAIN ALL EXPOSED CONCRETE.
13. PADS ARE REQUIRED FOR ALL FLOOR STANDING EQUIPMENT. COORDINATE SIZE AND LOCATION OF EQUIPMENT WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
14. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS, INCLUDING DIMENSIONS AND LOCATION OF ALL OPENINGS, EMBEDDED ITEMS, ETC. FOR MECHANICAL AND ELECTRICAL TRADES.
15. COVER FOR REINFORCING:
 - A) CONCRETE PLACED ON EARTH: 3"
 - B) FORMED CONCRETE EXPOSED TO GROUND OR WEATHER: 1-1/2"
 - C) FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER: 3/4"

1. WALL FOOTING ARE TO BE 12 INCHES DEEP WITH 6-INCH PROJECTIONS, UNLESS OTHERWISE NOTED.
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NY PURCHASE COLLEGE
CAFE ADDITION AND RENOVATION
735 ANDERSON HILL RD
PURCHASE, NY 10577

[illegible]

SEAL:

ISSUED FOR: BID
ISSUED DATE: 2/16/2018

DRAWN BY: JWZ
CHECKED BY: RMS
PROJECT NUMBER: 1416244

DRAWING NAME:

GENERAL NOTES AND TYPICAL DETAILS

DRAWING NO.

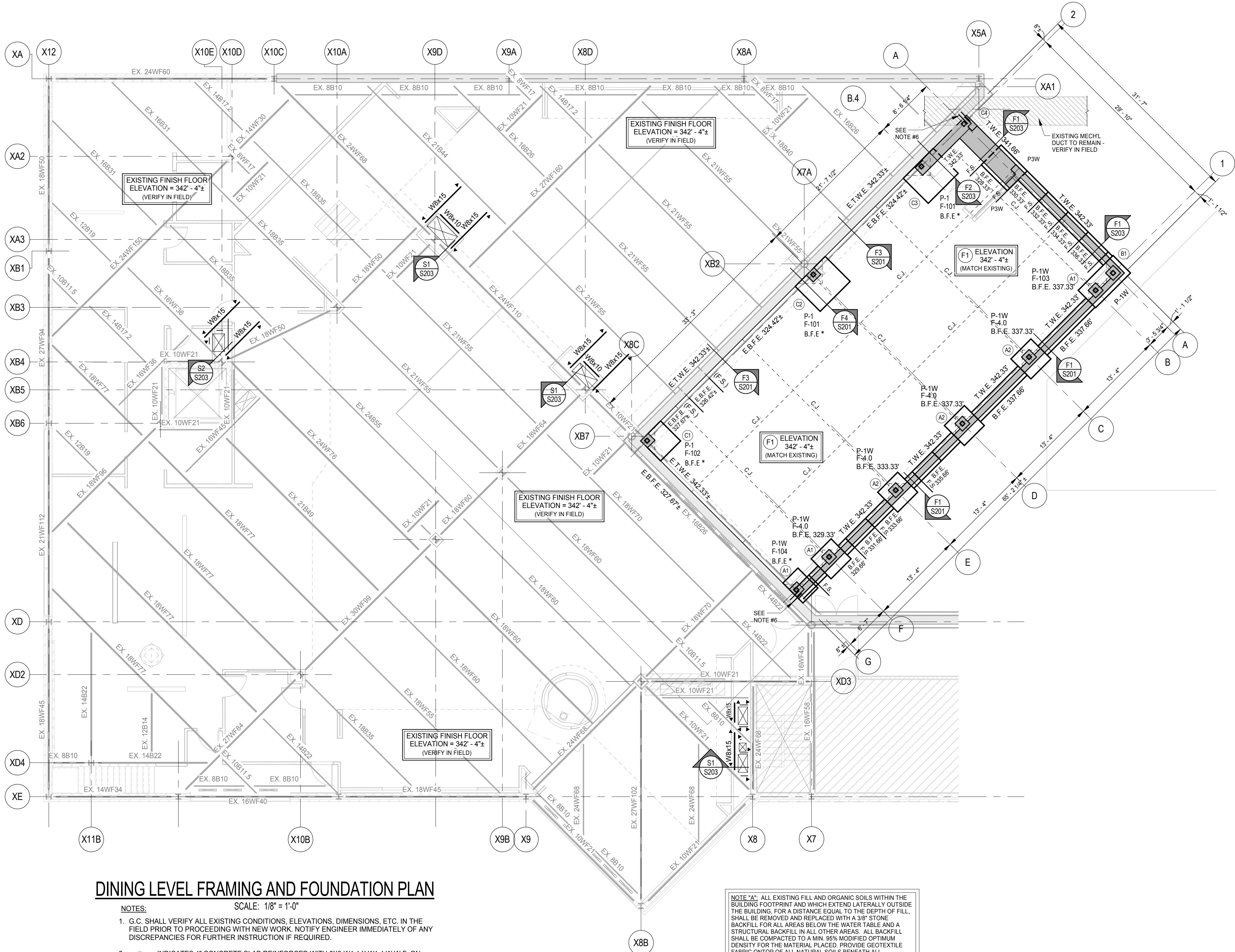
S001

PIER SCHEDULE				
DESIGNATION	SIZE	REINFORCING		REMARKS
		VERTICAL	HORIZONTAL	
P-1	16" x 20"	(6) - #6	(2) - #3 @12"	
P-2	16" x 16"	(4) - #6	(1) - #3 @12"	
P-3	12" x 16"	(4) - #6	(1) - #3 @12"	

NOTES:

- ALL VERTICAL PIER REINFORCING SHALL BE DOWELED INTO FOOTING.
- ALL PIER SIZES INDICATED ARE MINIMUM EFFECTIVE PIER SIZES REQUIRED. FOR ACTUAL PIER SIZE REQUIRED - SEE ARCHITECTURAL DRAWINGS.
- SUFFIX "...W" INDICATES THAT PIER SHALL BE PLACED MONOLITHIC WITH FOUNDATION WALL.
- PROVIDE FIVE ADDITIONAL PERIMETER TIE SETS SPACED AT 3' O.C. AT TOP OF ALL PIERS.

FOOTING SCHEDULE		
DESIGNATION	SIZE - W x L x D	REINFORCING (EACH WAY - BOTTOM)
F-3.5	3'-6" x 3'-6" x 1'-4"	4 - #6
F-4.0	4'-0" x 4'-0" x 1'-4"	4 - #6
F-101	5'-0" x 6'-0" x 1'-4"	#6@8"
F-102	4'-0" x 4'-0" x 1'-4"	#6@8"
F-103	3'-6" x 7'-0" x 1'-4"	#6@12"
F-104	3'-6" x 4'-0" x 1'-4"	#6@12"



DINING LEVEL FRAMING AND FOUNDATION PLAN

- NOTES:
- SCALE: 1/8" = 1'-0"
- G.C. SHALL VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, DIMENSIONS, ETC. IN THE FIELD PRIOR TO PROCEEDING WITH NEW WORK. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOR FURTHER INSTRUCTION IF REQUIRED.
 - (F1) INDICATES 4" CONCRETE SLAB REINFORCED WITH 6X6-W1.4 X W1.4 W.W.F. ON 15 MIL VAPOR RETARDER ON 4" MINIMUM LAYER OF 3/8" CRUSHED STONE ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.
 - (F2) INDICATE 6" CONCRETE SLAB REINFORCED WITH 6X6-W2.9 X W2.9 W.W.F. ON 12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.
 - T.W.E. INDICATES TOP OF WALL ELEVATION. DROP TOP OF WALL ELEVATION TO 8" BELOW FINISH FLOOR ELEVATION AT ALL DOOR OPENINGS - U.O.N.
 - B.F.E. INDICATES BOTTOM OF FOOTING ELEVATION. "B.F.E." INDICATES NEW BOTTOM OF FOOTING ELEVATION SHALL MATCH EXISTING ADJACENT FOOTING ELEVATION.
 - WHERE NEW FOUNDATION WALL ABUTTS EXISTING - DRILL & GROUT 2-#5 x 4'-0" TOP AND BOTTOM 8" MINIMUM INTO EXISTING WALL - TYPICAL.
 - C.J. INDICATES CONTROL JOINT IN CONCRETE SLAB - SEE TYPICAL DETAIL ON DRAWING S-001.
 - F.S. INDICATES FOOTING STEP - SEE TYPICAL DETAIL ON DRAWING S001.
 - WHERE UTILITY LINE (i.e. SANITARY, WATER, ETC.) PENETRATE FOUNDATION WALL DROP BOTTOM OF FOOTING ELEVATION AS REQUIRED TO ALLOW UTILITY LINE TO PASS THRU FOUNDATION WALL. COORDINATE LOCATIONS AND ELEVATIONS WITH MECHANICAL AND SITE REQUIREMENTS.
 - (*) INDICATES NEW STEEL SUPPORT COLUMN - SEE COLUMN SCHEDULE AND DETAILS ON DRAWING S-203 FOR ADDITIONAL REQUIREMENTS.

NOTE 1A: ALL EXISTING FILL AND ORGANIC SOILS WITHIN THE BUILDING FOOTPRINT AND WHICH EXTEND LATERALLY OUTSIDE THE BUILDING, FOR A DISTANCE EQUAL TO THE DEPTH OF FILL, SHALL BE REMOVED AND REPLACED WITH A 3/8" STONE BACKFILL FOR ALL AREAS BELOW THE WATER TABLE AND A STRUCTURAL BACKFILL IN ALL OTHER AREAS. ALL BACKFILL SHALL BE COMPACTED TO A MIN. 95% MODIFIED OPTIMUM DENSITY FOR THE MATERIAL PLACED. PROVIDE GEOTEXTILE FABRIC ON TOP OF ALL NATURAL SOILS BENEATH ALL CONTROLLED FILL AREAS - TYPICAL. PROVIDE AND MAINTAIN DEWATERING OPERATION AS REQUIRED TO REMOVE EXISTING FILL MATERIAL AND REPLACE WITH NEW BACKFILL. SEE GEOTECHNICAL REPORT AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS - TYPICAL.

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SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
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ISSUED DATE: 2/16/2018

DRAWN BY: JWZ

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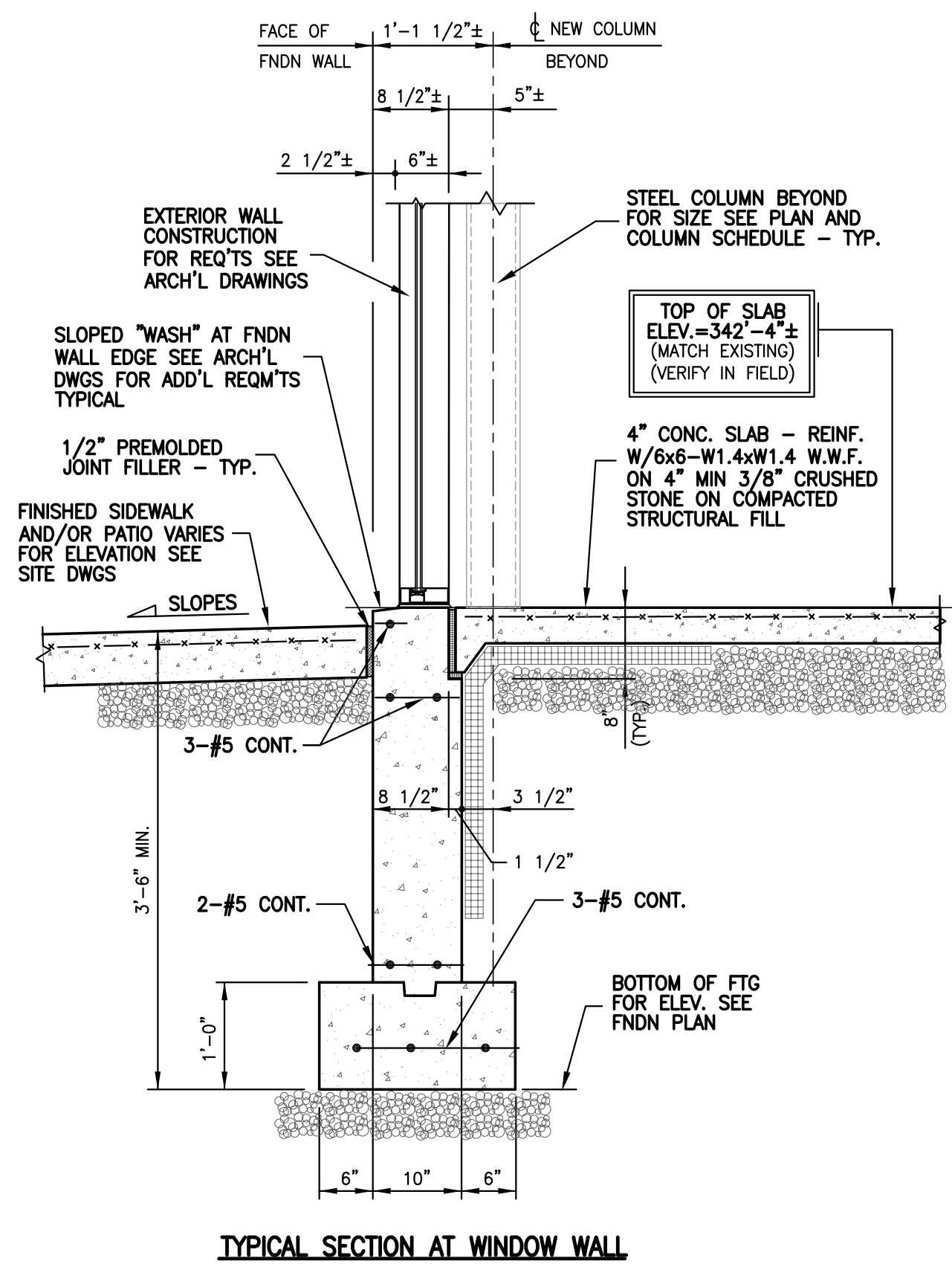
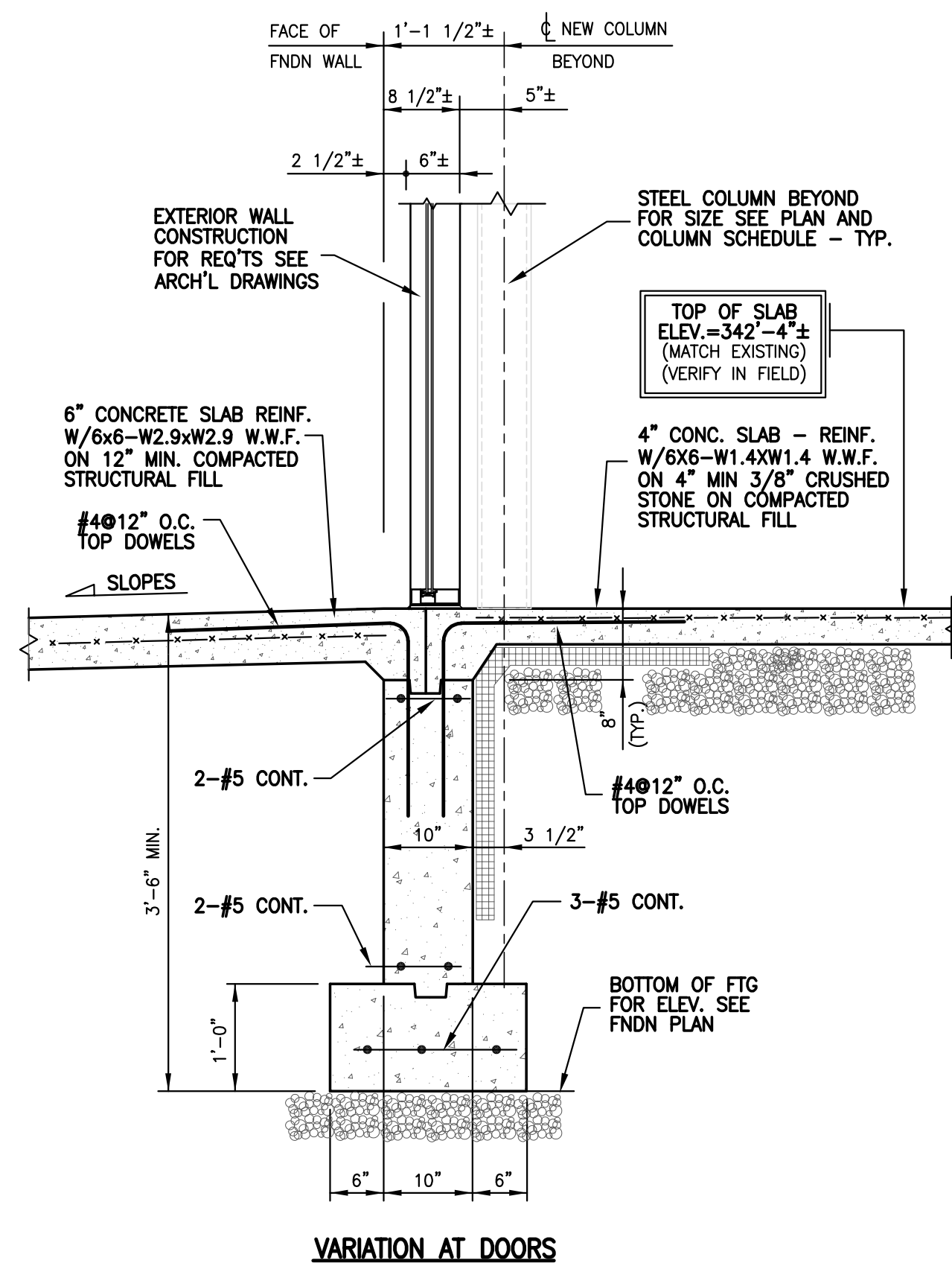
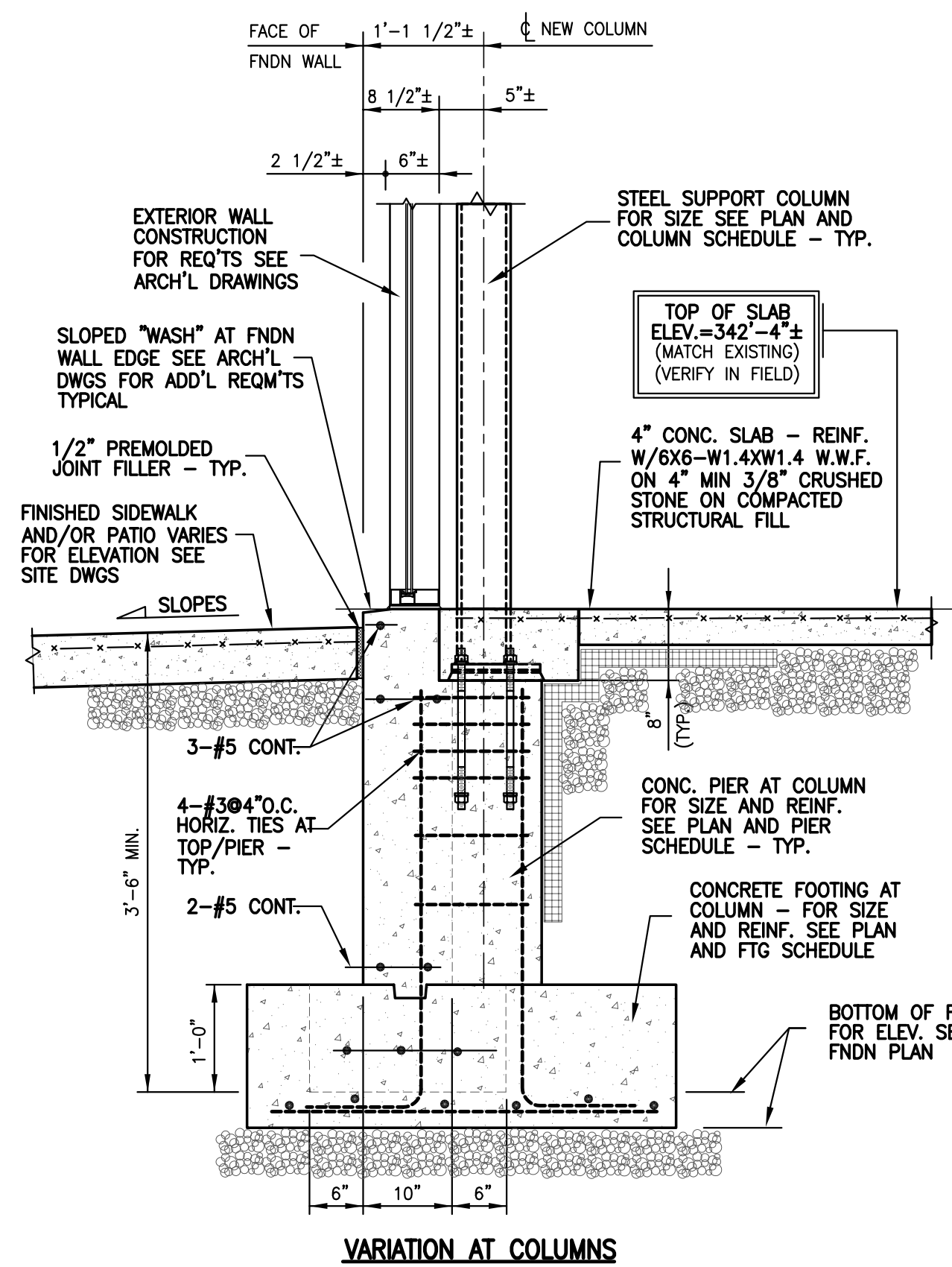
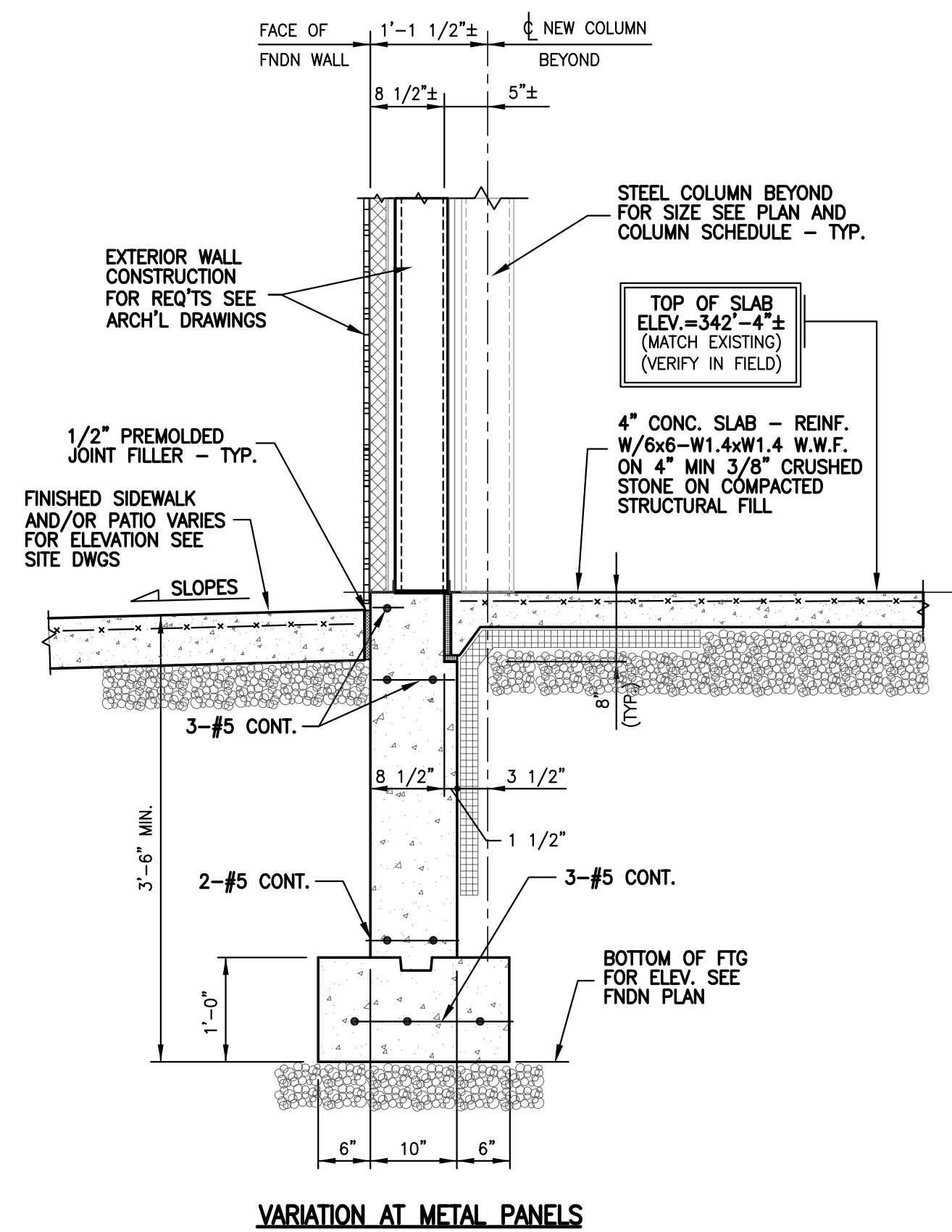
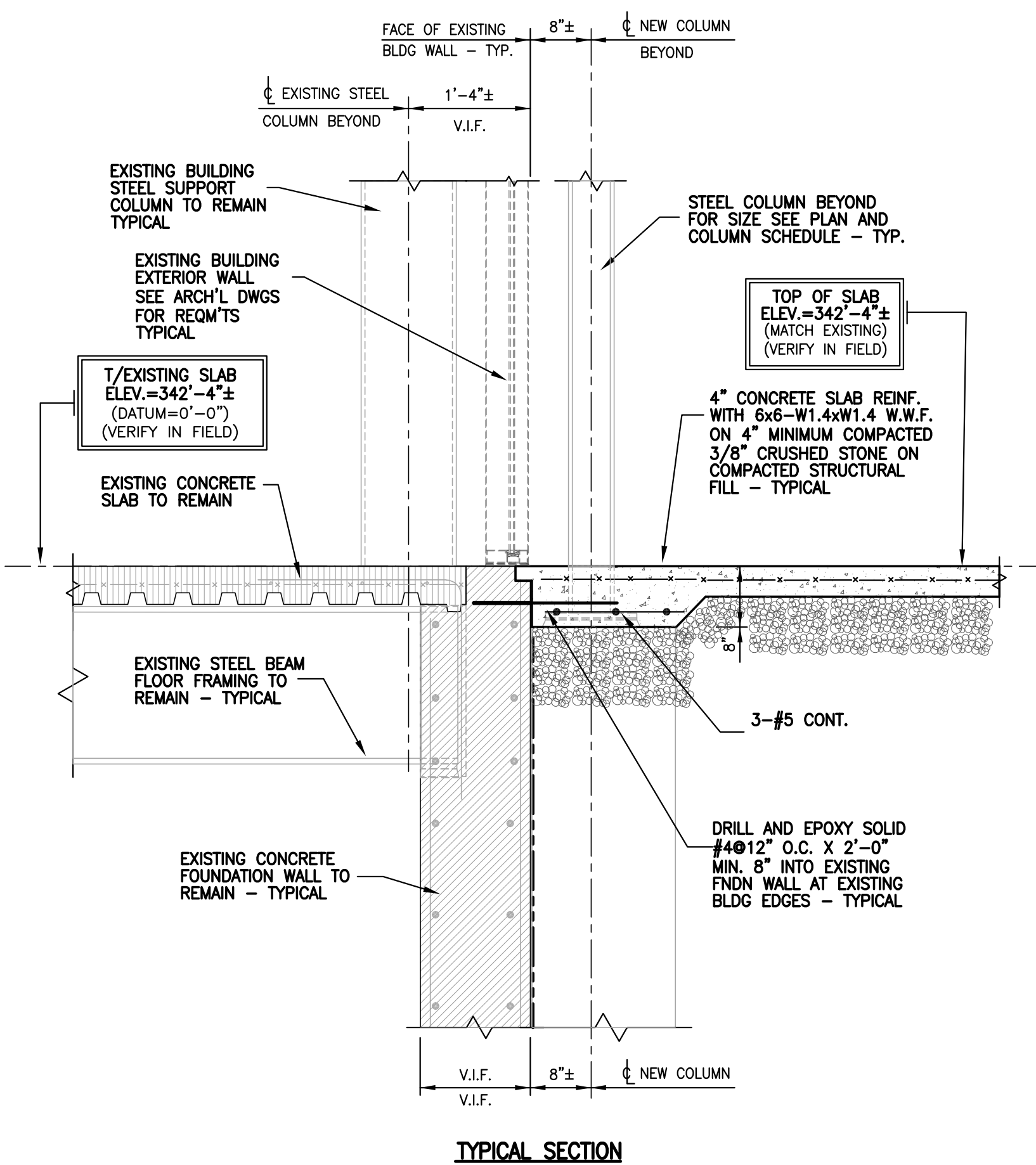
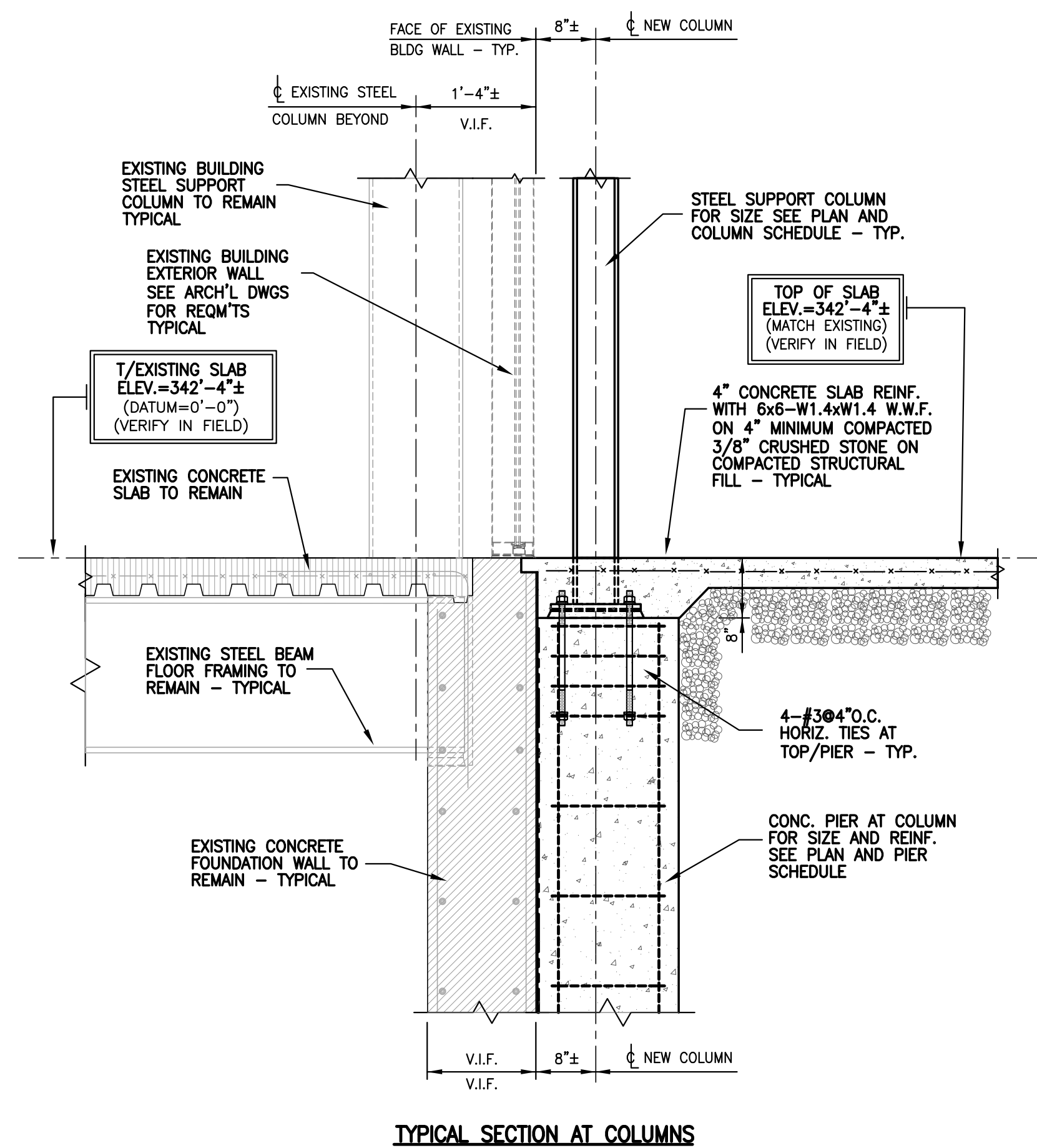
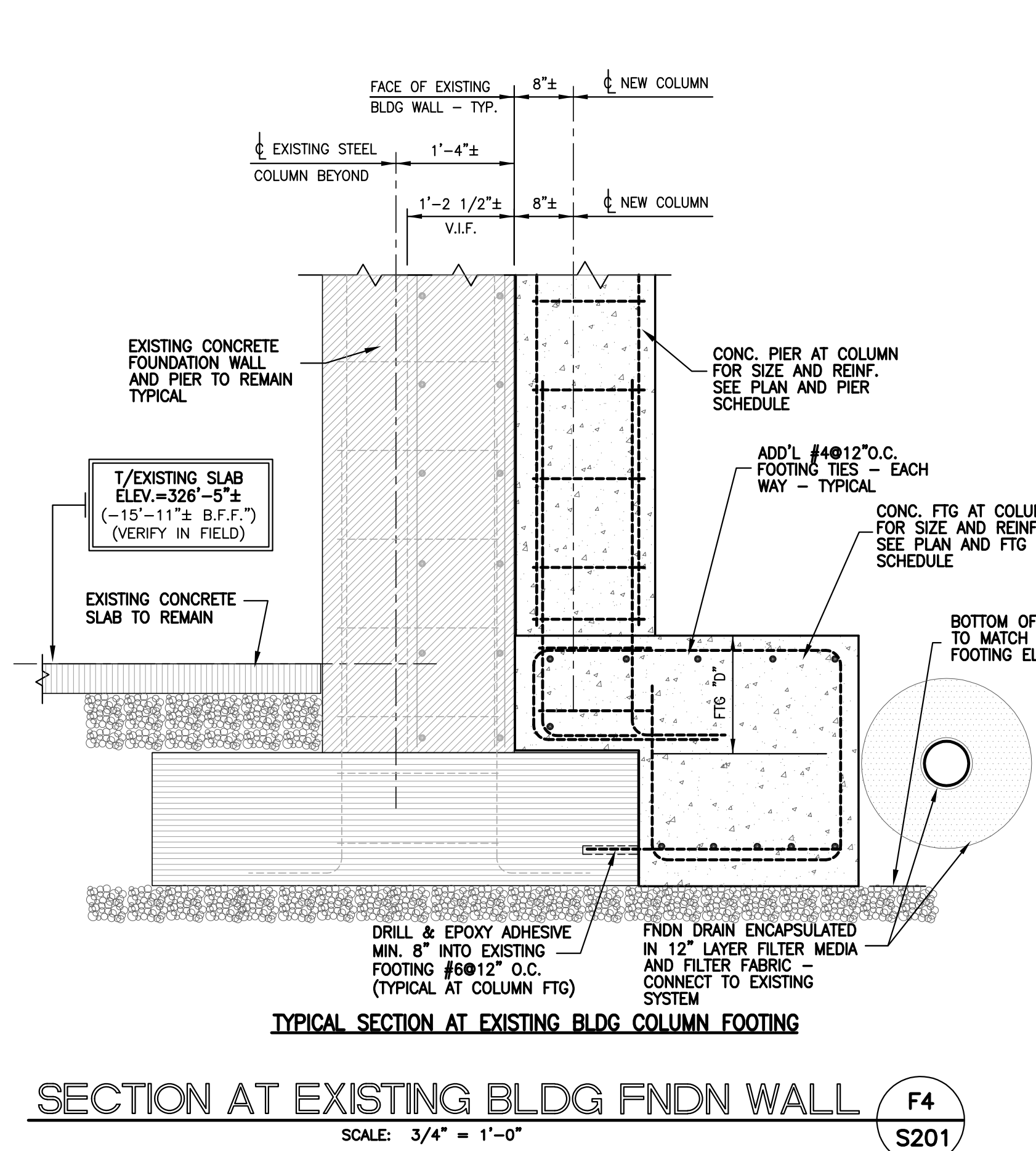
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DRAWING NAME:

DINING LEVEL FRAMING AND FOUNDATION PLAN

DRAWING NO.

S101



TYPICAL EXTERIOR FNDN WALL

SCALE: 3/4" = 1'-0"

F1
S201

TYPICAL EXTERIOR FNDN WALL

SCALE: 3/4" = 1'-0"

F1
S201

TYPICAL EXTERIOR FNDN WALL

SCALE: 3/4" = 1'-0"

F1
S201

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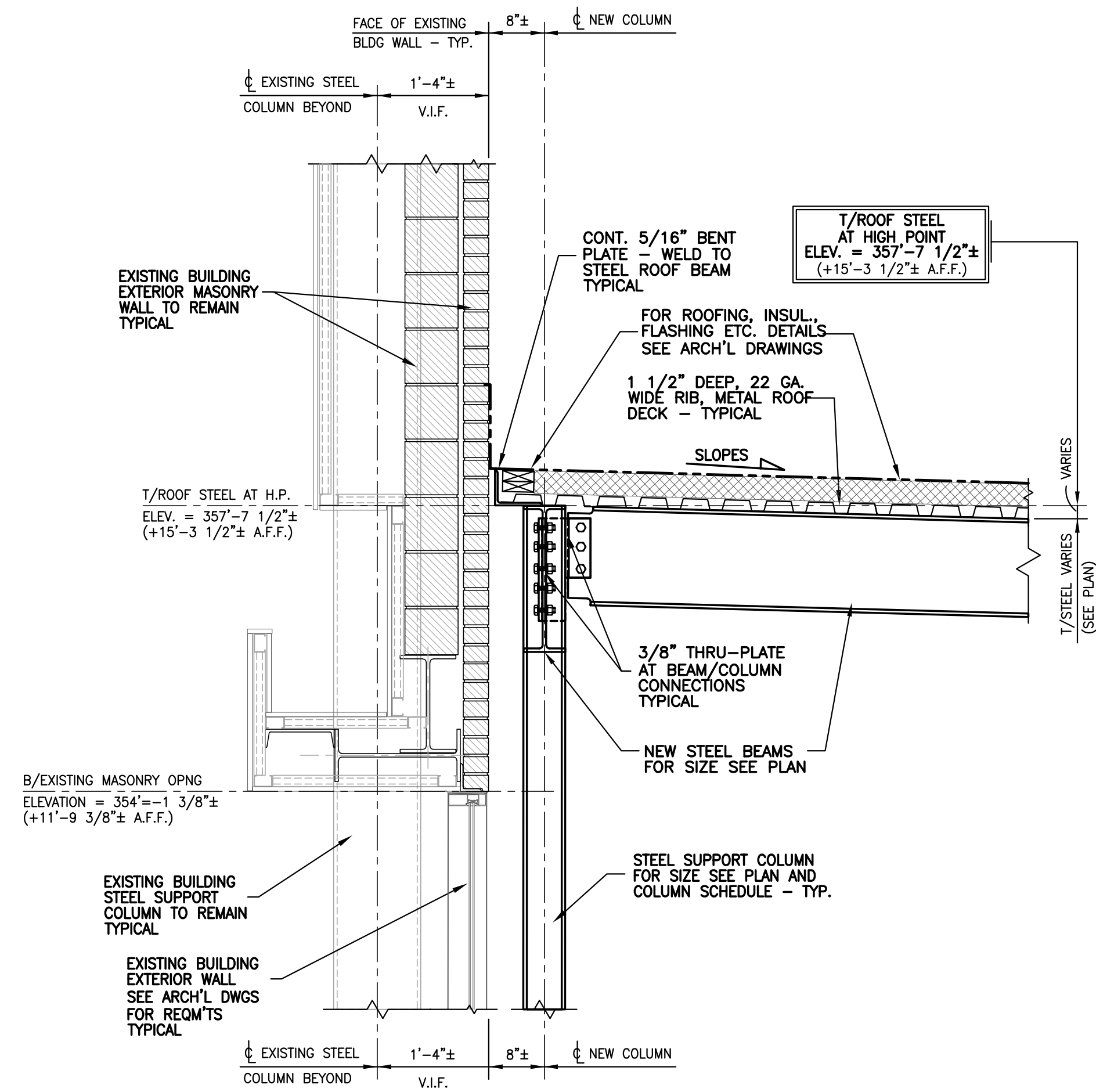
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FOUNDATION SECTIONS

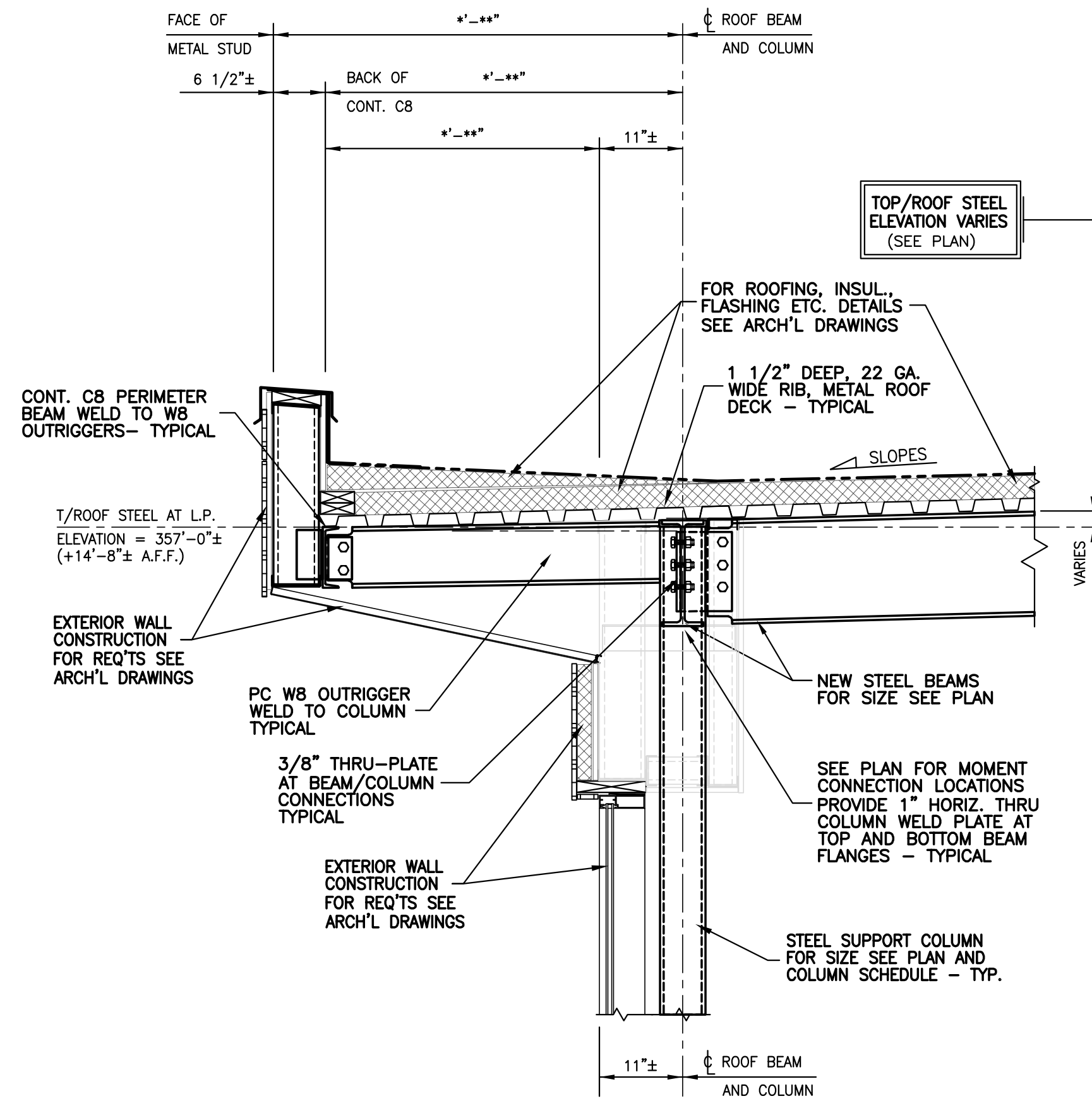
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S201

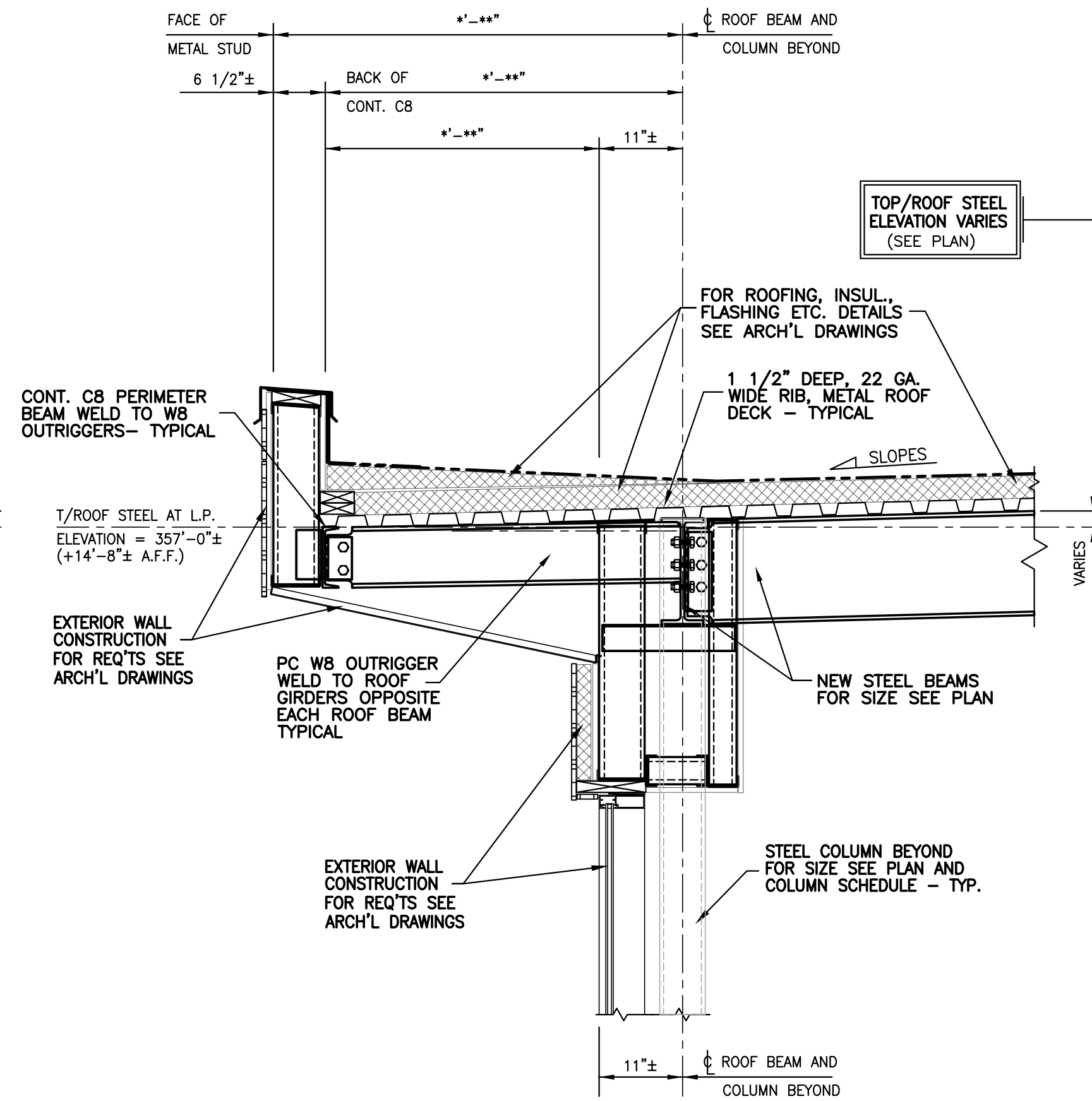
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VARIATION AT COLUMNS



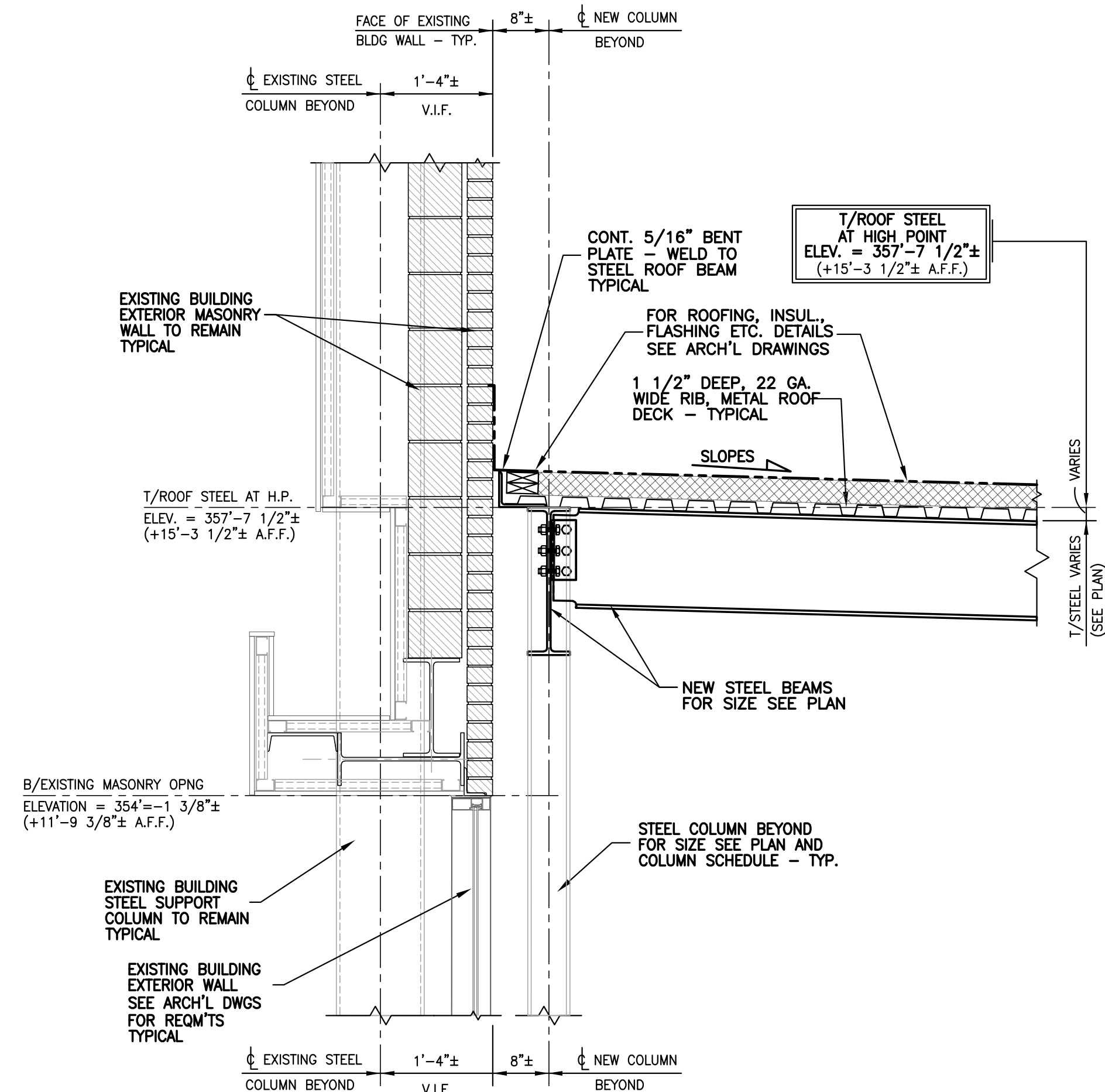
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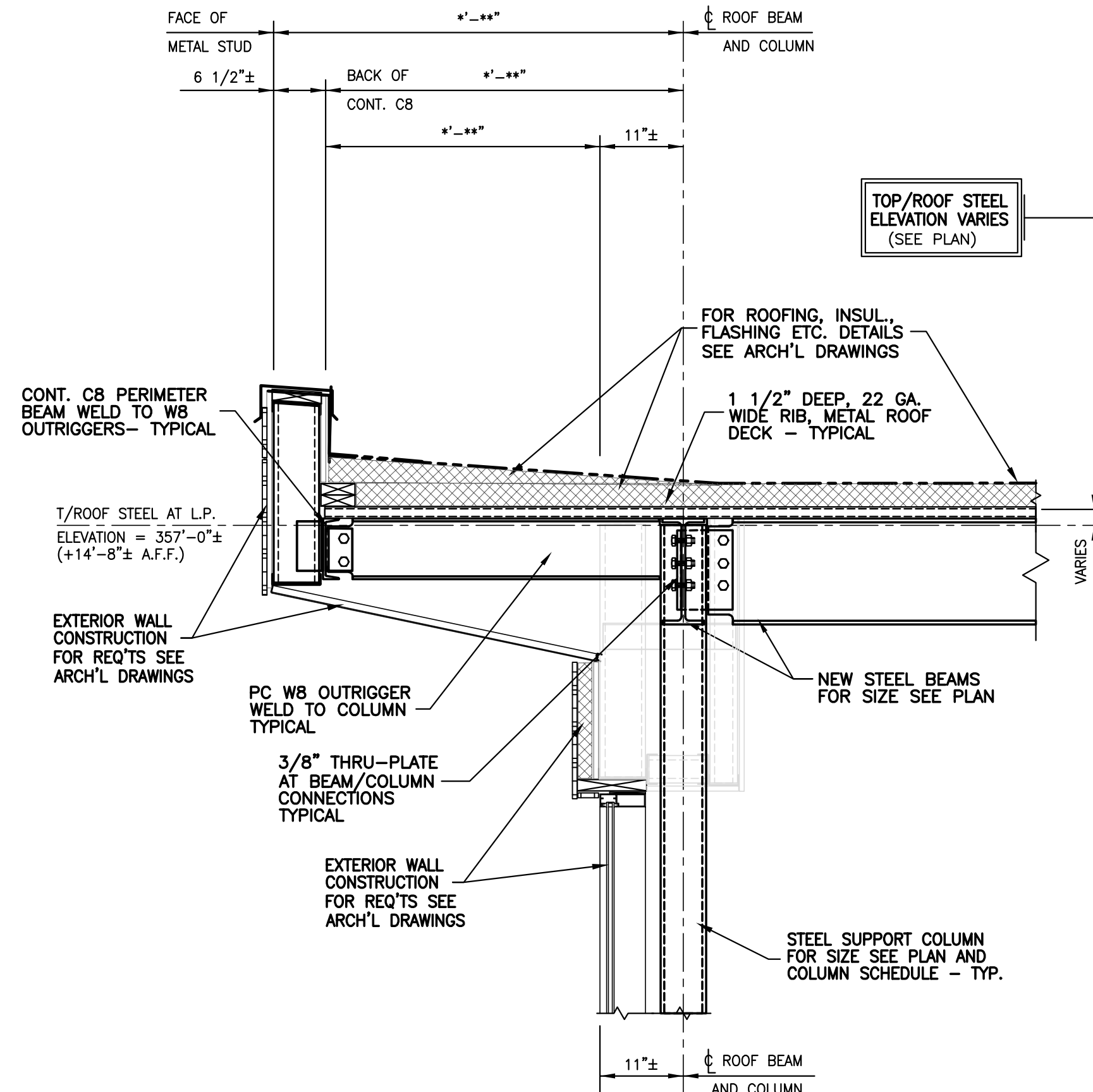
TYPICAL SECTION

TYPICAL NEW ADDITION ROOF EAVE R1

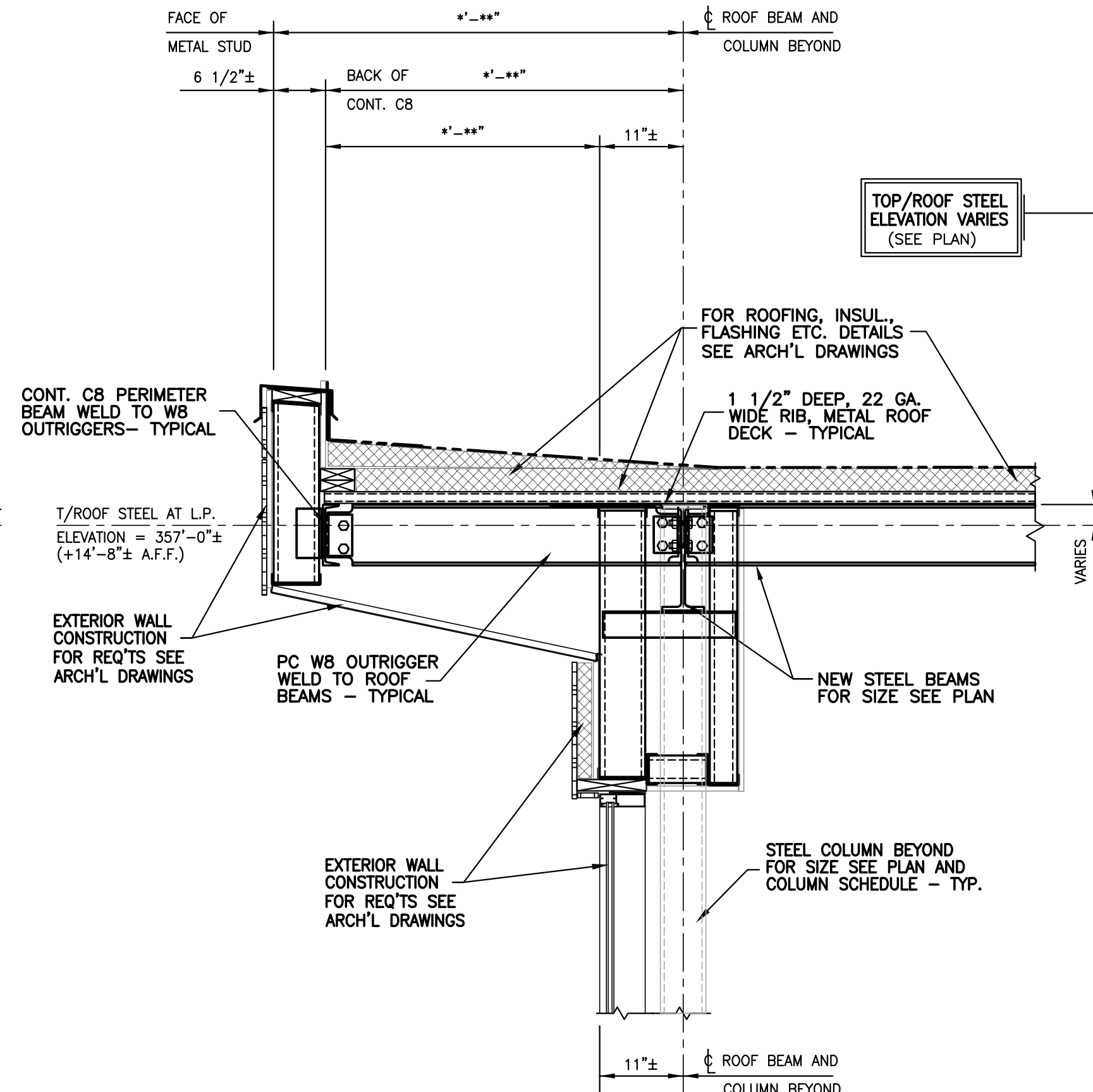
SCALE: 3/4" = 1'-0"
SLOPES



TYPICAL SECTION



VARIATION AT COLUMNS



TYPICAL SECTION

TYPICAL NEW ADDITION ROOF EAVE R2

SCALE: 3/4" = 1'-0"

TYPICAL NEW ROOF AT EXISTING BLDG R3

SCALE: 3/4" = 1'-0"

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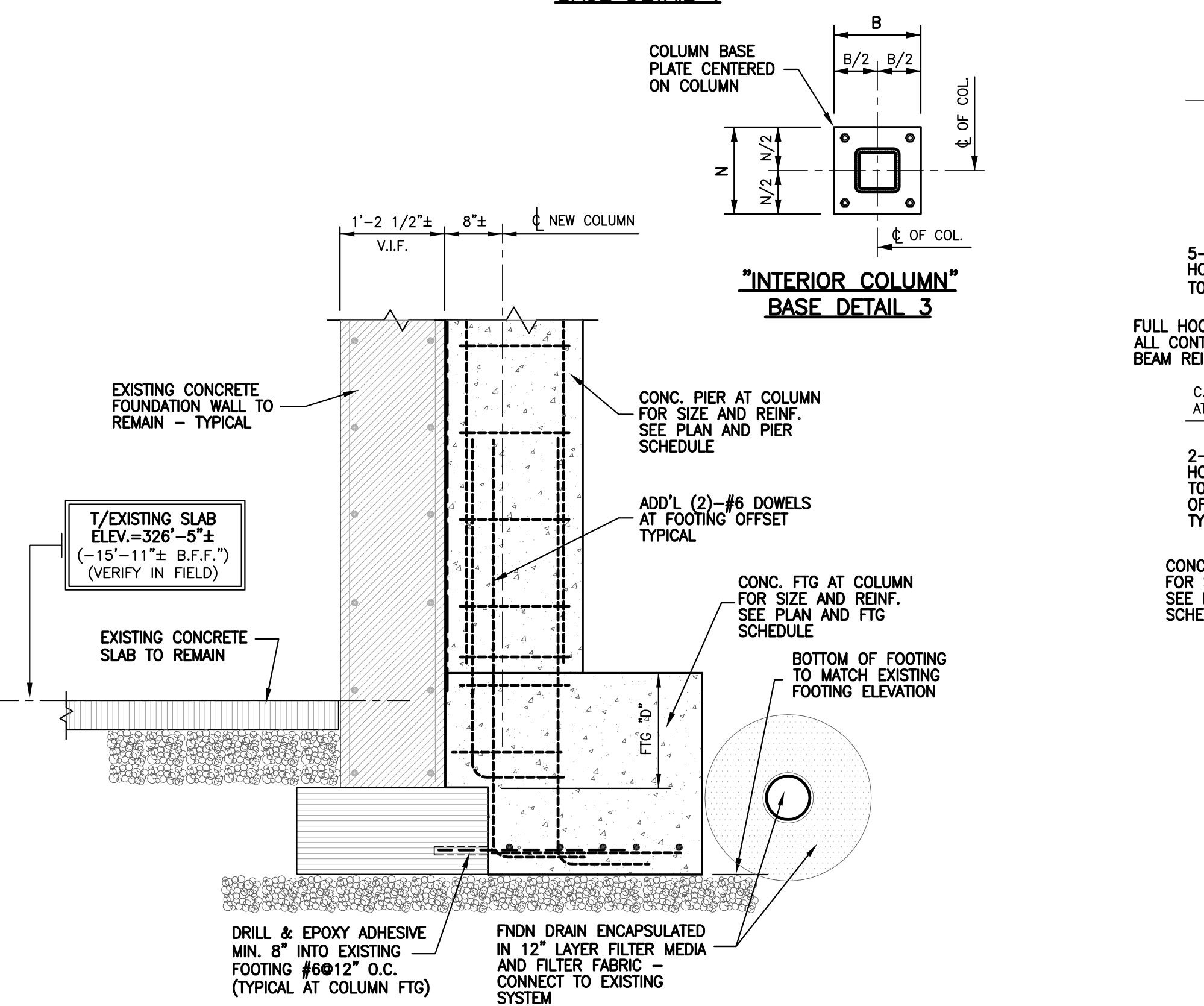
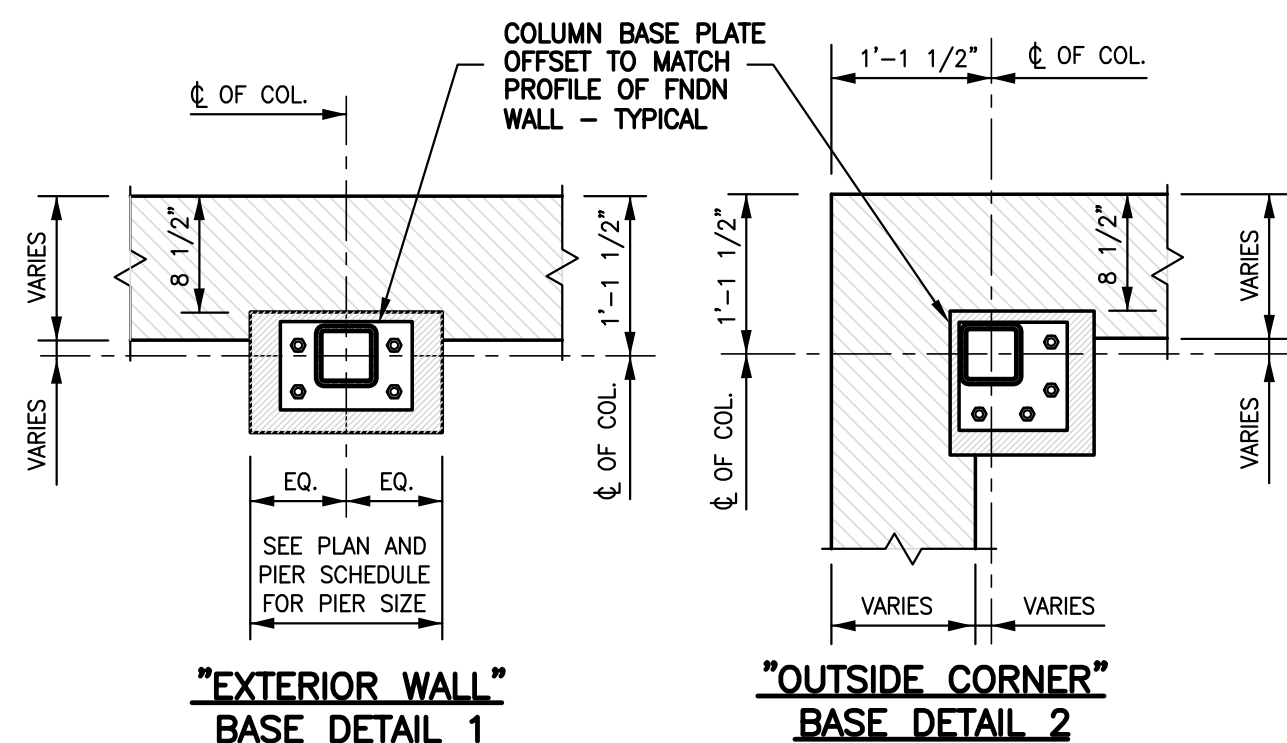
DRAWING NO.

S202

COLUMN SCHEDULE							
COLUMN NO.	(A1)	(A2)	(B1)	(C1)	(C2)	(C3)	(C4)
LEVEL							
TOP OF STEEL AT H.P. ELEVATION 357'-7 1/2"±	7 1/2"	7 1/2"	7 1/2"	0"	0"	1'-8 5/8"	0"
TOP OF SLAB ELEVATION 342'-4"±	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"	6 3/4"
CAP PLATE	M.C.	W.C.	M.C.	W.C.	M.C.	7"x3/4"x12"	M.C.
BASE PLATE	OFFSET 12"x1"x10"	OFFSET 12"x3/4"x10"	OFFSET 10"x1"x10"	12"x1"x12"	12"x1"x12"	12"x1"x12"	OFFSET 12"x1"x10"
BASE DETAIL	1	1	2	3	3	3	1

COLUMN SCHEDULE NOTES

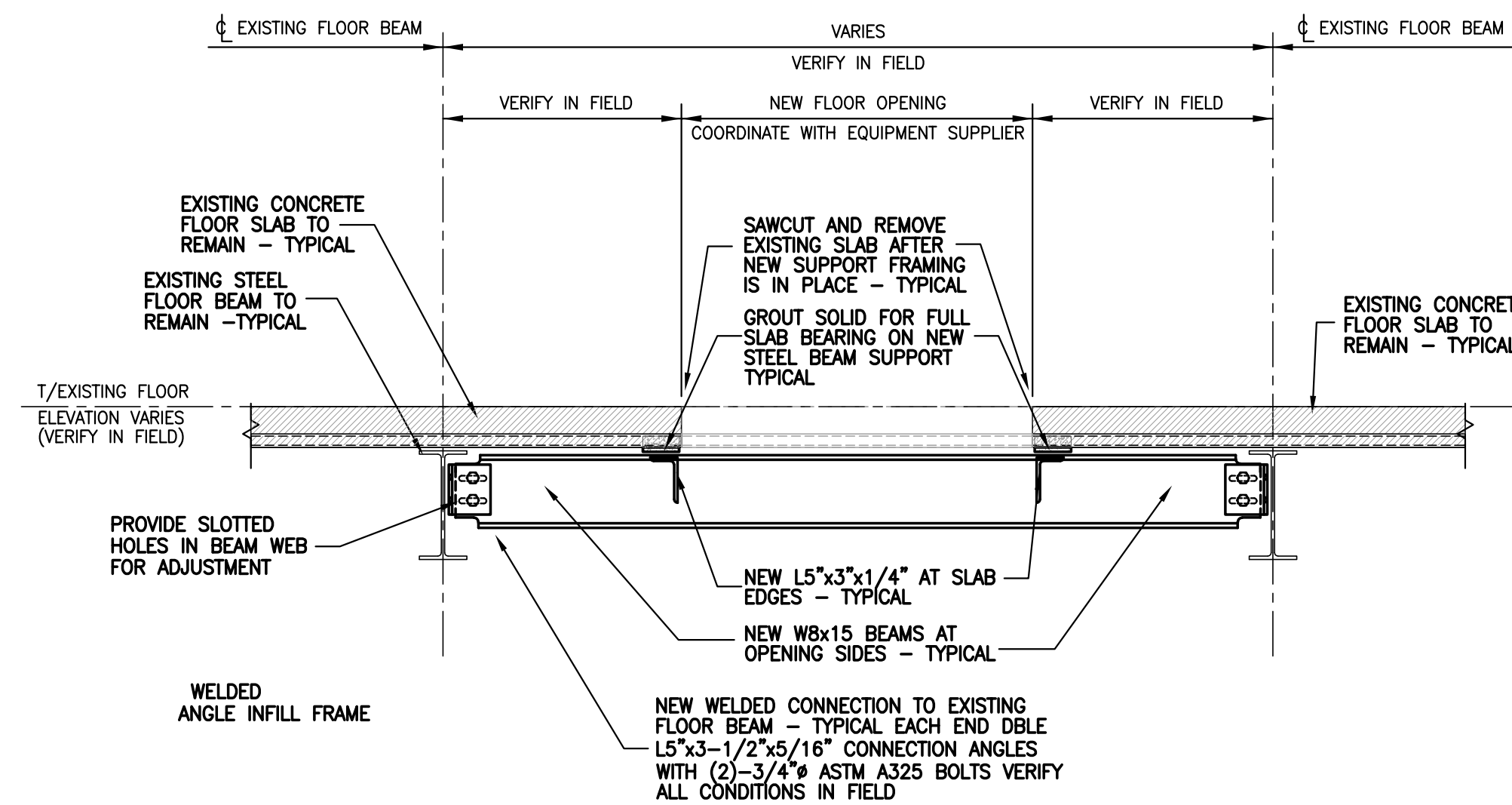
- AT EACH COLUMN PROVIDE A 1/4" THICK LEVELING PLATE (SAME SIZE AS BASE PLATE) ON MINIMUM OF 1" NON-SHRINKING GROUT & (4)-3/4"x1/4" ANCHOR BOLTS AND AN EMBEDDED HEAVY HEX (THREADED) NUT. LOCATE ALL ANCHOR BOLTS 1'-1/2" FROM OUTER PLATE EDGE - TYPICAL.
- ALL DIMENSIONS SHOWN ARE GIVEN TO TOP OF CAP PLATES AND TO BOTTOM OF BASE PLATES.
- W.C. INDICATES 1/4" THICK WEATHER CAP.
- WELD ALL COLUMNS TO BASE AND CAP PLATES WITH CONTINUOUS FULL PROFILE MIN. 1/4" FILLET WELD.
- M.C. INDICATES MOMENT CONNECTION AT "HSS" (TUBE COLUMNS) PROVIDE 7"x1"x7" MINIMUM HORIZONTAL THRU (WELD) PLATES AT BEAM TOP AND BOTTOM FLANGE LOCATIONS - TYPICAL.
- BEAM TO COLUMN SHEAR CONNECTIONS AT "HSS" (TUBE COLUMNS) SHALL BE MADE USING 3/8" MINIMUM THRU-PLATE - TYPICAL.



SECTION AT EXISTING BLDG FNDN WALL

SCALE: 3/4" = 1'-0"

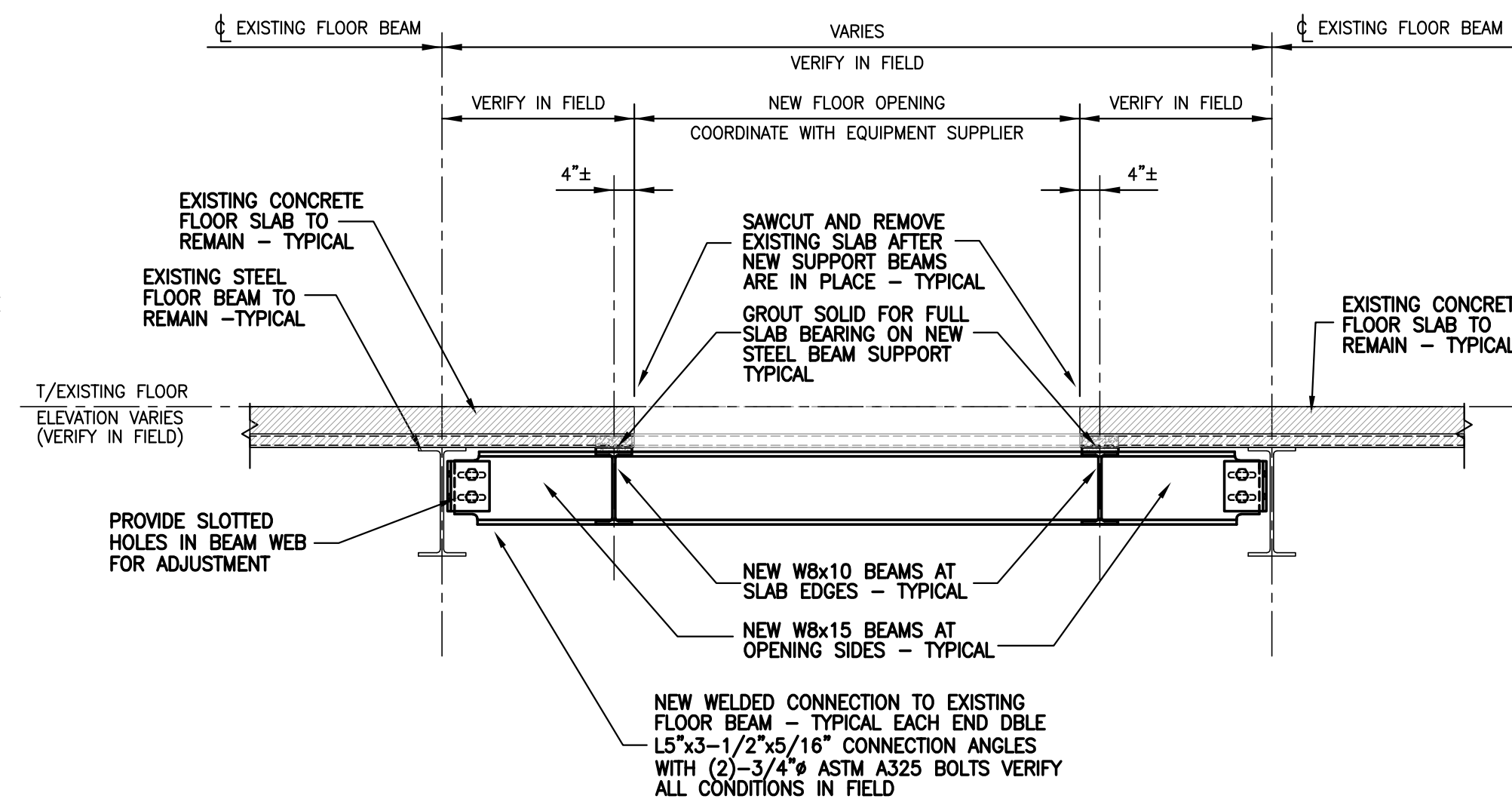
F2
S203



NEW FLOOR OPENING (F.O.F.) FRAME

SCALE: NONE

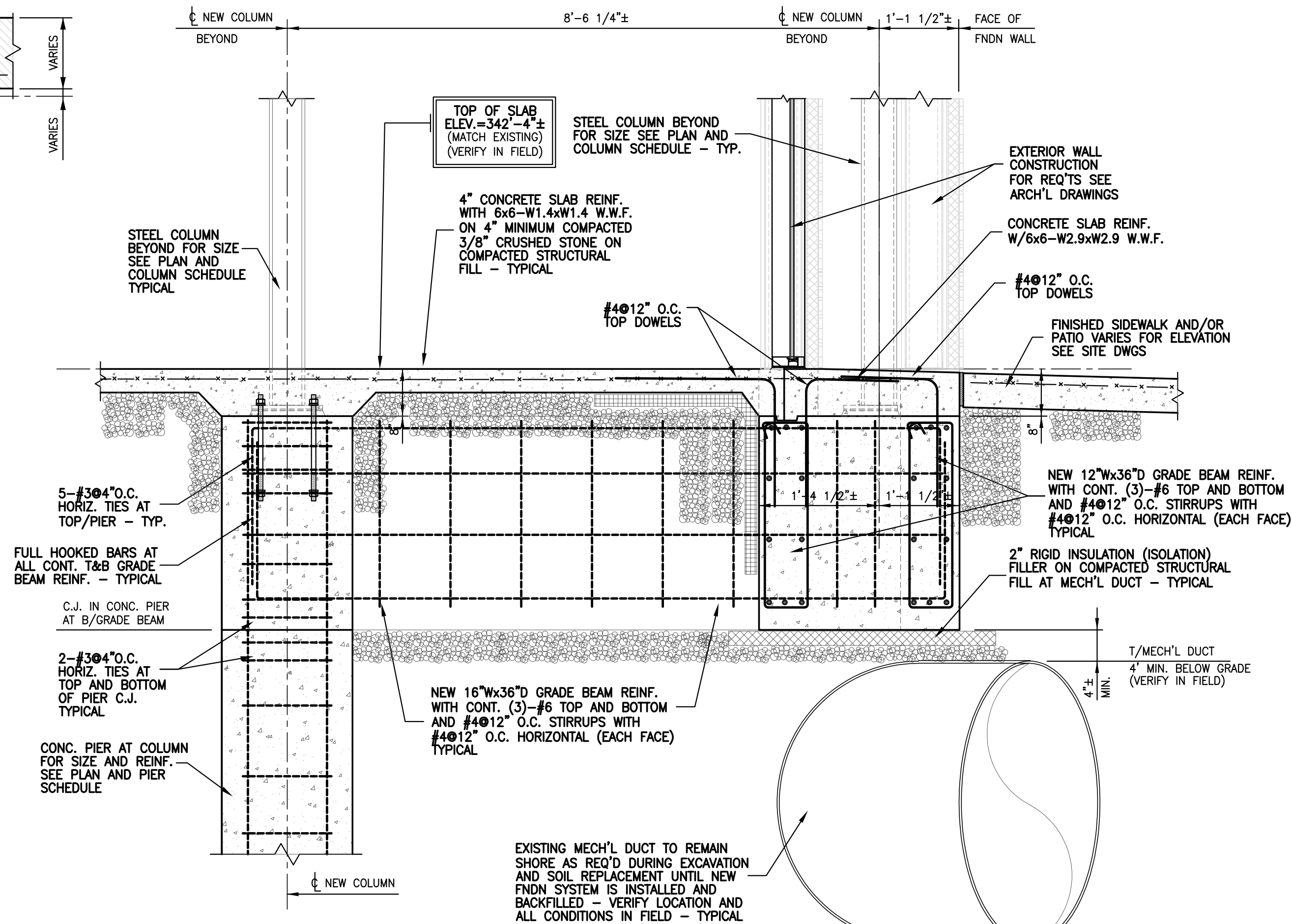
S2
S203



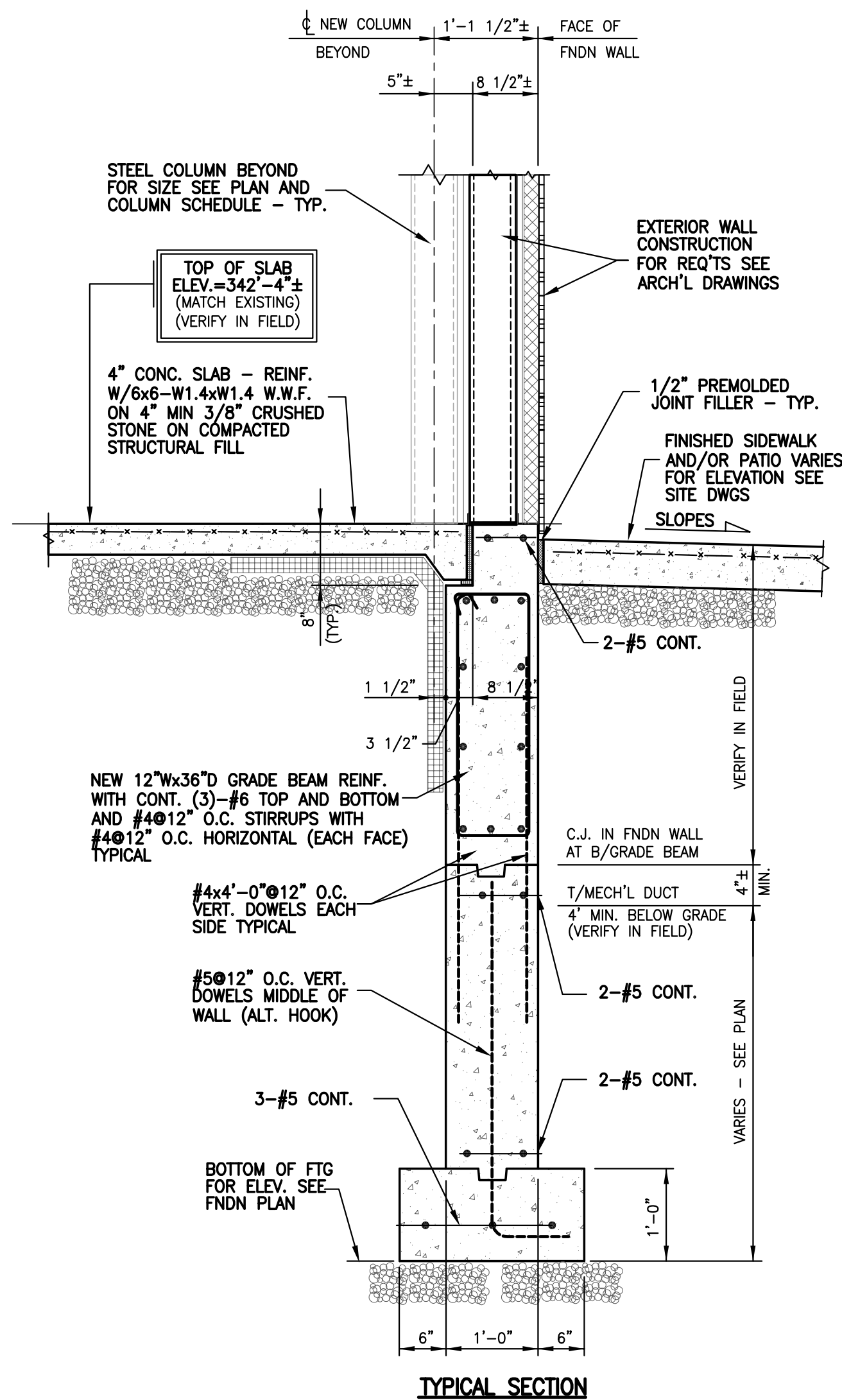
NEW FLOOR OPENING (F.O.F.) FRAME

SCALE: NONE

S1
S203



SECTION AT EXISTING MECH'L DUCT



TYPICAL EXTERIOR FNDN WALL

SCALE: 3/4" = 1'-0"

F1
S203

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FOUNDATION SECTIONS & COLUMN SCHEDULE

S203

SUNY PURCHASE COLLEGE

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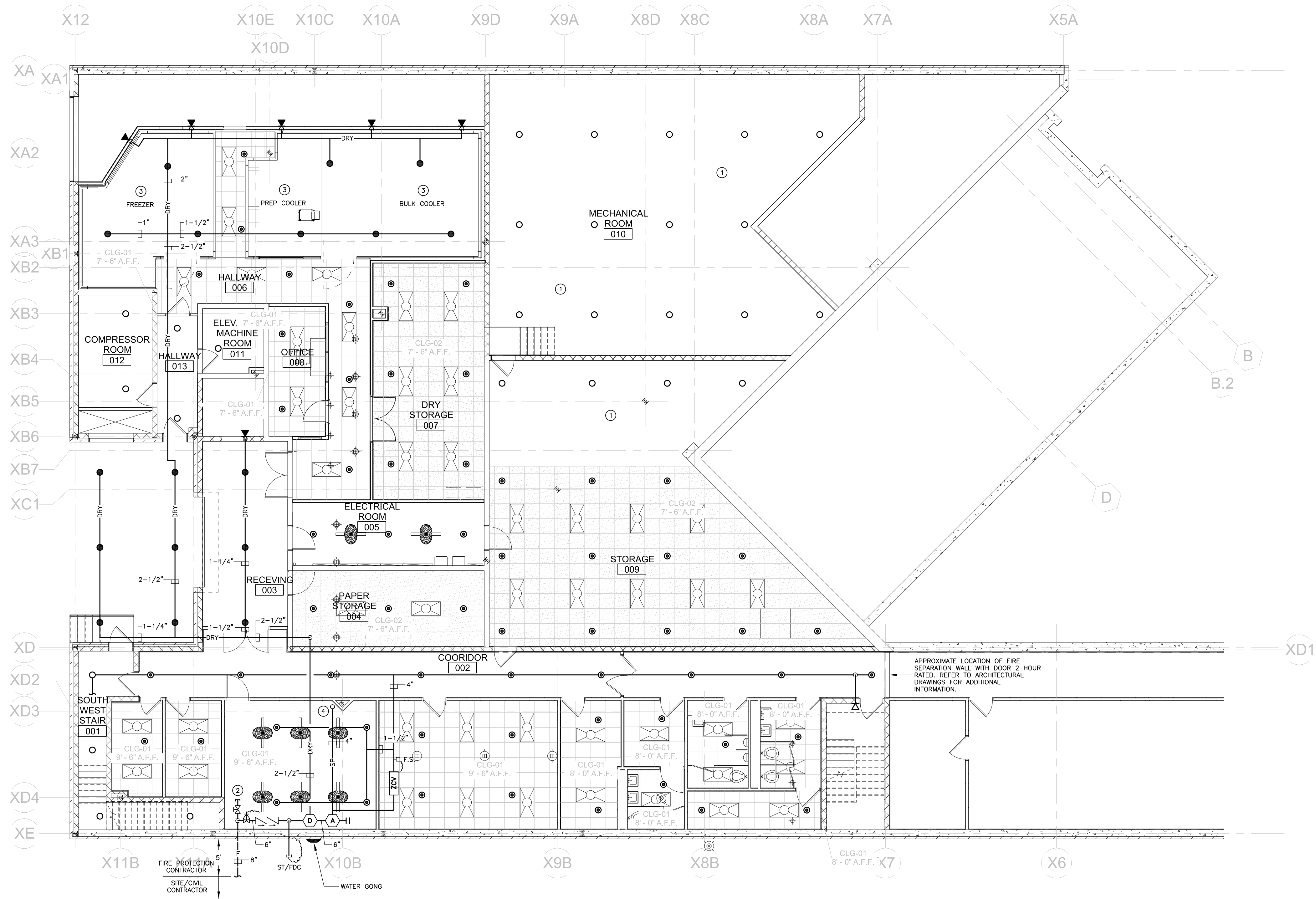
PROJECT NUMBER: 1416244

DRAWING NAME:

BASEMENT FIRE PROTECTION PLAN

DRAVING NO

FP100



BASEMENT FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"

FIRE PROTECTION DRAWING NOTES

- ① EXISTING H.V.A.C. EQUIPMENT ROOM, CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLERS IN THE SPACE AS PER REQUIRED BY NFPA 13 FOR EXISTING LARGE DUCTWORK, FIRE PROTECTION ABOVE AND BELOW DUCTWORK.
- ② CONTRACTOR SHALL PROVIDE 8" TEE, VALVE AND CAP FOR FUTURE FIRE PROTECTION CONNECTION.
- ③ CONTRACTOR SHALL PROVIDE STANDARD RESPONSE PENDANT SPRINKLERS IN FREEZERS AND REFRIGERATION COOLERS AS PER NFPA 13 REQUIREMENTS.
- ④ PROVIDE 4" WET SPRINKLER RISER UP TO FIRST FLOOR SYSTEM.

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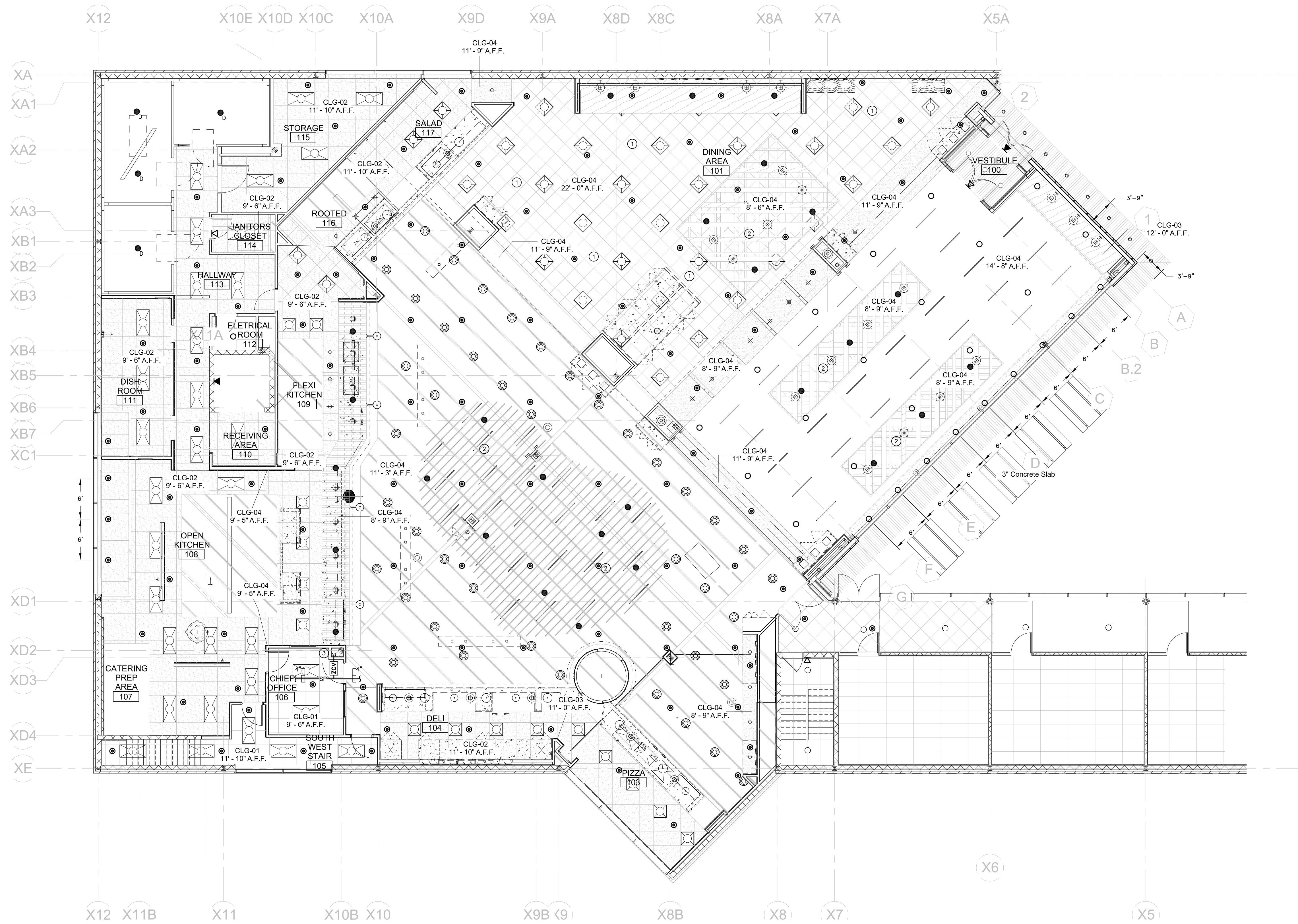
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ISSUED DATE: 02.16.2018
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PROJECT NUMBER: 14162

DRAWING NAME:

FIRST FLOOR FIRE PROTECTION PLAN

DRAVING NO.

FP101



FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0"

FIRE PROTECTION DRAWING NOTES

- ① CONTRACTOR SHALL PROVIDE ADD ALTERNATE PRICE FOR HEAT TRACE OF SPRINKLER PIPING IN THIS AREA.
- ② CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND COLOR OF SPRINKLER BRANCH PIPING RISER FROM LOWER CEILING TO UPPER FINISHED CEILING.
- ③ PROVIDE 4" SPRINKLER PIPE RISER FROM EQUIPMENT ROOM BELOW. PROVIDE ZONE CONTROL VALVE AND FLOW SWITCH FOR FIRST FLOOR AREA. REFER TO DRAWING FP100 FOR CONTINUATION OF PIPING IN BASEMENT.

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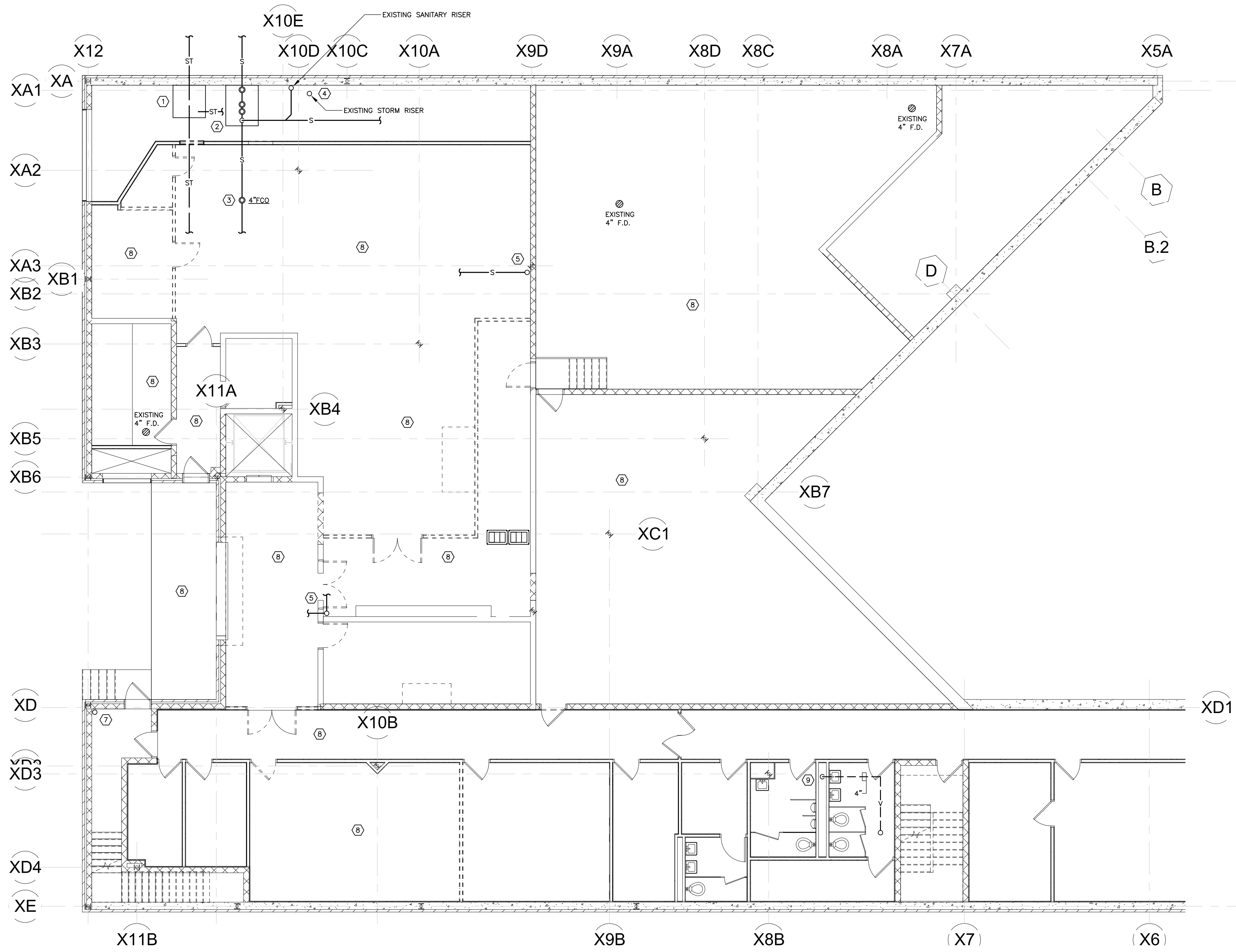
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DRAWING NAME:

BASEMENT PLUMBING DEMOLITION PLAN

DRAVING NO.

DP100



BASEMENT PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

PLUMBING DEMOLITION NOTES

- ① CONTRACTOR SHALL VERIFY EXISTING STORM WATER PIPING INTO PIT. NOTIFY ARCHITECT AND ENGINEER OF FINDINGS AND PROCEED TO INTERCONNECT ALL STORM PIPING IN PIT TO ONE STORM MAIN EXITING PIT.
- ② CONTRACTOR SHALL REMOVE EXISTING HOUSE TRAP AND CLEANOUT WYE IN KITCHEN AND REPLACE WITH NEW CONTINUOUS SANITARY PIPING EXISTING THE BUILDING.
- ③ CONTRACTOR SHALL PROVIDE NEW 4" FLOOR CLEANOUT AND CONNECT TO EXISTING SANITARY PIPING BELOW GRADE.
- ④ EXISTING SANITARY AND STORM RISERS IN AIR SHUT FOR REPAIR.
- ⑤ CONTRACTOR SHALL REMOVE ALL EXISTING SANITARY PIPING FROM RISER BACK TO THEIR FUTURE. CAP EXISTING RISER BELOW GRADE.
- ⑥ EXISTING HOT WATER, COLD WATER, AND HOT WATER RETURN MAINS SHALL REMAIN. PROVIDE NEW ISOLATION VALVES AND CAPS FOR FUTURE CONNECTIONS. REFER TO DRAWING P100 FOR CONTINUATION.
- ⑦ CONTRACTOR SHALL REMOVE ALL EXISTING SANITARY PIPING TO 4" RISER ABOVE CEILING. EXISTING SANITARY RISER SHALL REMAIN FOR FUTURE CONNECTION. REFER TO DRAWING P100 FOR CONTINUATION.
- ⑧ CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REMOVE FLOOR DRAINS, SANITARY, VENT, HOT WATER, AND COLD WATER PIPING SERVING THE FIRST FLOOR ABOVE. CONTRACTOR SHALL REMOVE ALL ABANDONED PIPING AND LEAKY CEILING. CONTRACTOR SHALL CAP OFF CONTRACTOR SHALL DOCUMENT ALL EXISTING PLUMBING MAINS TO REMAIN AND PROVIDE INFORMATION TO ARCHITECT AND ENGINEER. ALL STORM PIPING FROM ROOF CONNECTIONS SHALL REMAIN TO BE DOCUMENTED AND PROVIDED TO THE ARCHITECT AND ENGINEER.
- ⑨ CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PLUMBING SERVICES UP TO FIRST FLOOR ABOVE AND CAP AT MAINS ON BASEMENT LEVEL. CONTRACTOR SHALL REMOVE 4" VENT PIPING ON BASEMENT LEVEL UP TO FIRST FLOOR ABOVE.

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DP101

1. CONTRACTOR SHALL DISCONNECT EXISTING SINK, REMOVE SANITARY, VENT, HOT WATER AND COLD WATER PIPING BACK TO MAINS ABOVE CEILING AND BELOW FLOOR PROVIDE VALVES AND CAPS FOR FUTURE CONNECTIONS AT MAINS. REFER TO EXISTING FIXTURE AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION ON THIS DRAWING.
2. CONTRACTOR SHALL DISCONNECT EXISTING EQUIPMENT, REMOVE SANITARY, VENT, HOT WATER AND COLD WATER PIPING BACK TO MAINS ABOVE CEILING AND BELOW FLOOR. PROVIDE VALVES WITH CAPS FOR FUTURE CONNECTIONS AT MAINS. REFER TO EXISTING FIXTURE AND EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION ON THIS DRAWING.
3. CONTRACTOR SHALL REMOVE EXISTING FLOOR DRAIN, SANITARY PIPING, AND VENT PIPING BACK TO MAINS ABOVE CEILING AND BELOW FLOOR.
4. CONTRACTOR SHALL REMOVE EXISTING STAINLESS STEEL FLOOR SINK, SANITARY PIPING, AND VENT PIPING BACK TO MAINS AND CAP OFF.
5. CONTRACTOR SHALL REMOVE EXISTING SANITARY, VENT, HOT WATER AND COLD WATER PIPING IN WALL AND CAP OFF ABOVE CEILING AND BELOW FLOOR.
6. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WATER FILTER SYSTEM AND DOMESTIC WATER PIPING BACK TO MAINS, VALVE, AND CAP OFF FROM ICE MACHINES. REMOVE EXISTING HOSE BIBB IN WALL.
7. CONTRACTOR SHALL REMOVE EXISTING GREASE TRAP IN FLOOR AND REMOVE ALL EXISTING PIPING BACK TO MAINS AND CAP OFF ABOVE AND BELOW THE FLOOR.
8. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DOMESTIC HOT WATER HEATER AND ALL DOMESTIC WATER PIPING FROM IT, VALVE AND CAP PIPING BACK AT MAINS BELOW FLOOR.
9. CONTRACTOR SHALL CLEAN EXISTING FLOOR DRAIN AND PIPING. REPLACE EXISTING GRATE WITH NEW SECURED TYPE GRATE.
10. CONTRACTOR SHALL DISCONNECT EXISTING ICE MACHINE AND REMOVE DOMESTIC WATER PIPING AND INDIRECT DRAIN PIPING FROM EQUIPMENT.
11. CONTRACTOR SHALL REMOVE EXISTING MOP SINK, SANITARY, VENT, HOT WATER AND COLD WATER PIPING BACK TO MAINS ABOVE AND BELOW FLOOR AND CAP OFF PIPING AT MAINS.
12. CONTRACTOR SHALL DISCONNECT EXISTING COFFEE BREWER, REMOVE DOMESTIC WATER PIPING FROM EQUIPMENT AND REMOVE PLUMBING PIPING IN WALL AND CAP BELOW AT BASEMENT LEVEL.
13. CONTRACTOR SHALL DISCONNECT EXISTING PLUMBING PIPING TO EQUIPMENT AND REMOVE FROM CABINetry BACK TO SOURCE IN BASEMENT AND CAP OFF.
14. CONTRACTOR SHALL REMOVE EXISTING FLOOR SINK, SANITARY PIPING, AND VENT PIPING BACK TO MAINS BELOW FLOOR AND ABOVE CEILING, CAP OFF.
15. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT FOOD VENDOR ON DISCONNECTING AND REMOVAL OF EQUIPMENT WITH ACCESSORIES. REMOVE ALL PLUMBING SERVICES DOWN TO BASEMENT LEVEL AND VALVE AND CAP PLUMBING SERVICES BACK TO MAINS.
16. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING EXHAUST HOOD FOR FIRE PROTECTION SYSTEM.
17. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING SPOA DISPENSER SYSTEM AND EXISTING FIRE PROTECTION SYSTEM IN JANITOR'S CLOSET.
18. CONTRACTOR SHALL REMOVE EXISTING DOMESTIC WATER PIPE ON WALL AND VALVE AND CAP IT BACK AT MAIN.
19. CONTRACTOR SHALL REMOVE EXISTING VENT PIPING FROM FLOOR BELOW AND CAP AT MAIN VENT STACK THROUGH ROOF.
20. CONTRACTOR SHALL REMOVE EXISTING 4" VENT STACK FROM BASEMENT BATHROOM BELOW AND REROUTE PIPING TO NEW LOCATION. FIELD VERIFY EXISTING CONDITIONS.
21. PROVIDE NEW 4" VENT RISER AND 4" STORM DRAIN DOWN TO BASEMENT LEVEL.
22. CONTRACTOR SHALL REMOVE EXISTING 4" STORM DRAIN PIPING DOWN TO BASEMENT BELOW AND REROUTE PIPING TO NEW LOCATION. FIELD VERIFY EXISTING CONDITIONS.
23. CONTRACTOR SHALL REMOVE EXISTING VENT PIPING UP THROUGH ROOF. COORDINATE WITH ROOFING CONTRACTOR FOR PATCHING OF ROOF.
24. CONTRACTOR SHALL RELOCATE EXISTING ROOF DRAIN AS REQUIRED TO ACCOMMODATE FIRST FLOOR AND SECOND FLOOR. RELOCATE TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT OF THE FIRST FLOOR.

ITEM NO	QTY	DESCRIPTION	EQUIPMENT	REMARKS
E13	1	S/S WORKTABLE W/ UNDERSHELF & SINK	EXISTING	TO BE RELOCATED
E25	1	ELECTRIC KETTLE	EXISTING	TO BE RELOCATED
E26	1	TILT SKILLET	EXISTING	TO BE RELOCATED
E72	2	WATER FILTER SYSTEM	EXISTING	TO BE RELOCATED
E74	1	TEA URN	EXISTING	TO BE RELOCATED
E75	1	CAPPUCCINO DISPENSER	EXISTING	TO BE RELOCATED
E76	1	SODA DISPENSER	EXISTING	TO BE RELOCATED
E77	1	BEVERAGE DISPENSER	EXISTING	TO BE RELOCATED
E78	2	COFFEE GRINDER DISPENSER	EXISTING	TO BE RELOCATED
E79	1	HOT WATER DISPENSER	EXISTING	TO BE RELOCATED
E80	1	MILK DISPENSER	EXISTING	TO BE RELOCATED
E81	1	THERMAL COFFEE BREWER, DOUBLE	EXISTING	TO BE RELOCATED
E91	1	OVEN, ELECTRIC	EXISTING	TO BE RELOCATED

ITEM NO	QTY	DESCRIPTION	EQUIPMENT	REMARKS
E01	1	HAND SINK	EXISTING	TO BE DEMOLISHED
E04	1	FIRE SUPPRESSION SYSTEM	EXISTING	TO BE DEMOLISHED
E07	1	S/S WORKTABLE W/ UNDERSHELF	EXISTING	TO BE DEMOLISHED
E08	1	GRIDDLE RANGE	EXISTING	TO BE DEMOLISHED
E09	1	36" RANGE - FRENCH PLATE - STANDARD OVEN	EXISTING	TO BE DEMOLISHED
E10	1	CONVECTION OVEN - ELECTRIC - SINGLE DECK	EXISTING	TO BE DEMOLISHED
E19	1	FAUCET, WALL MOUNT	EXISTING	TO BE DEMOLISHED
E19	1	SINK, 2-COMPARTMENT	EXISTING	TO BE DEMOLISHED
E22	1	3-COMPARTMENT SINK	EXISTING	TO BE DEMOLISHED
E24	1	EXHAUST HOOD	EXISTING	TO BE DEMOLISHED
E27	1	ELECTRIC CONVECTION OVEN	EXISTING	TO BE DEMOLISHED
E32	1	S/S WORKTABLE W/ UNDERSHELF & SINK	EXISTING	TO BE DEMOLISHED
E34	1	ICE BIN	EXISTING	TO BE DEMOLISHED
E59	1	HAND SINK	EXISTING	TO BE DEMOLISHED
E60	2	HOT AND COLD PAN WARMERS	EXISTING	TO BE DEMOLISHED
E67	1	COLD PAN	EXISTING	TO BE DEMOLISHED
E67	1	COLD PAN, REFRIGERATED 9-3/4" FULL DEPTH SELF-CONTAINED	EXISTING	TO BE DEMOLISHED
E76	1	PEPSI SODA DISPENSER	EXISTING	TO BE DEMOLISHED

FIRST FLOOR PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

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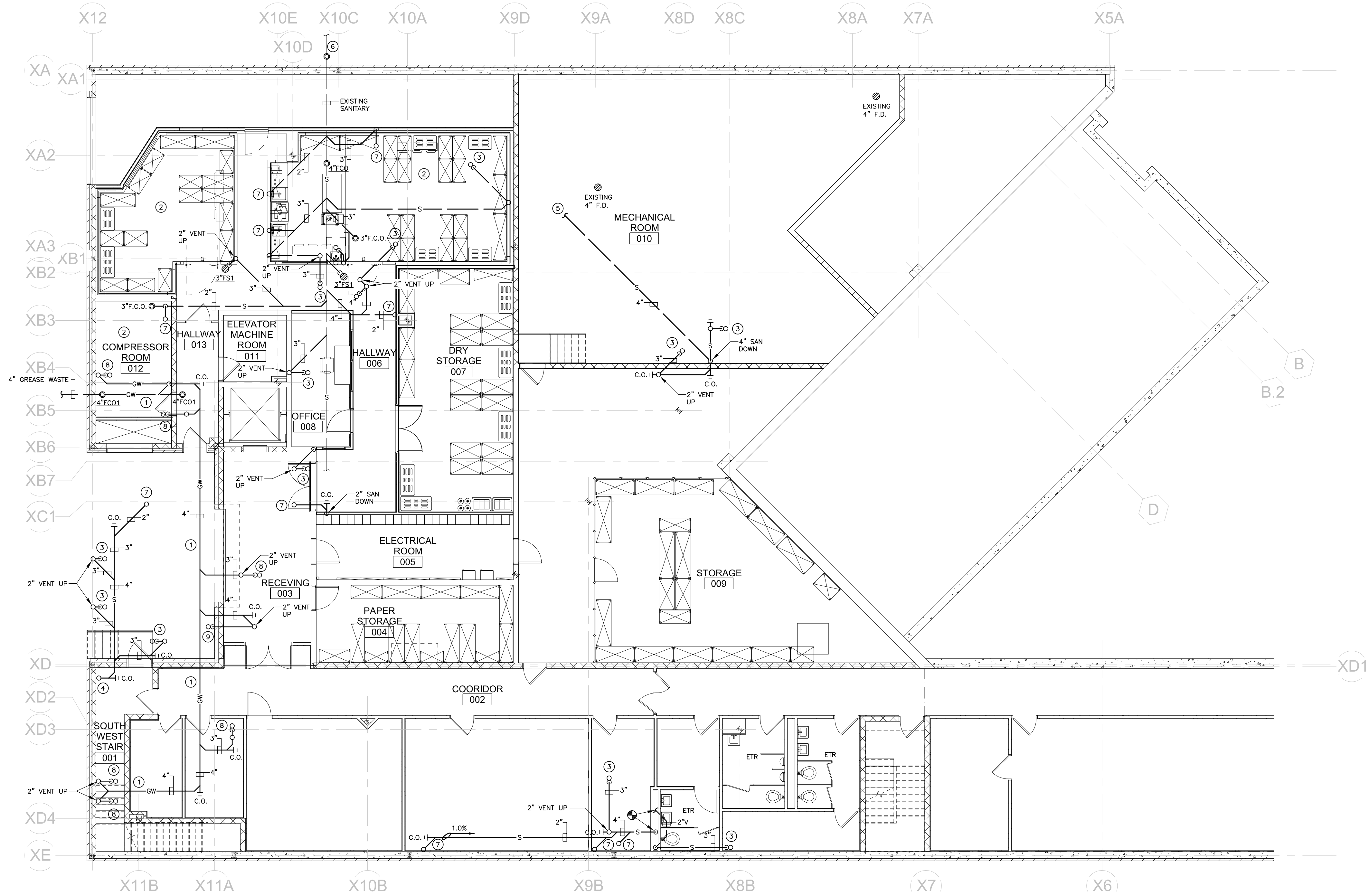
PROJECT NUMBER: 1416244

DRAWING NAME:

BASEMENT WASTE & STORM PLUMBING PLAN

DRAVING NO.

P100



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

PLUMBING DRAWING NOTES

- ① CONTRACTOR SHALL HEAT TRACE AND INSULATE ALL GREASE WASTE PIPING ABOVE GROUND. COORDINATE WITH ELECTRICAL CONTRACTOR.
- ② CONTRACTOR SHALL PROVIDE CONDENSATE DRAIN PIPING FROM REFRIGERATION EQUIPMENT TO INDIRECT CONNECTION AT FLOOR DRAIN. COORDINATE WITH EQUIPMENT VENDOR FOR SIZING AND LOCATION.
- ③ CONNECT 3" SANITARY TO FLOOR SINK ABOVE ON FIRST FLOOR.
- ④ CONNECT NEW 4" SANITARY TO EXISTING 4" SANITARY RISER.
- ⑤ CONTRACTOR SHALL CONNECT NEW 4" SANITARY TO EXISTING SANITARY BELOW SLAB. FIELD VERIFY AND MAKE CONNECTION.
- ⑥ CONTRACTOR SHALL PROVIDE NEW 4" GREASE ACCESS CLEANOUT TO EXISTING SANITARY BELOW GRADE.
- ⑦ PROVIDE 2" WASTE FROM SINK ABOVE.
- ⑧ PROVIDE GREASE WASTE PIPING FROM FLOOR SINK ABOVE.
- ⑨ PROVIDE 4" GREASE WASTE PIPING FROM FLOOR TRENCH DRAIN ABOVE.

PLUMBING DRAWING NOTES

- ① CONTRACTOR SHALL FIELD VERIFY AND CONNECT NEW HOT WATER, COLD WATER, AND HOT WATER RETURN PIPING TO EXISTING SERVICES IN HALLWAY.
- ② CONTRACTOR SHALL HEAT TRACE NEW DOMESTIC WATER PIPING AND COORDINATE WITH ELECTRICAL CONTRACTOR.
- ③ 1/2" HOT WATER AND 1/2" COLD WATER FROM FIXTURE ABOVE.
- ④ 1/2" COLD WATER FROM FIXTURE ABOVE.
- ⑤ CONNECT NEW HOT WATER, COLD WATER, AND HOT WATER RETURN TO EXISTING DOMESTIC WATER SERVICES. CONTRACTOR SHALL FIELD VERIFY EXISTING SERVICES.
- ⑥ CONTRACTOR SHALL FIELD VERIFY AND CONNECT 3/4" COLD WATER TO EXISTING MAIN IN HALLWAY.

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DRAWING NAME:

**BASEMENT
DOMESTIC WATER
PLUMBING PLAN**

DRAVING NO.

P100.1

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
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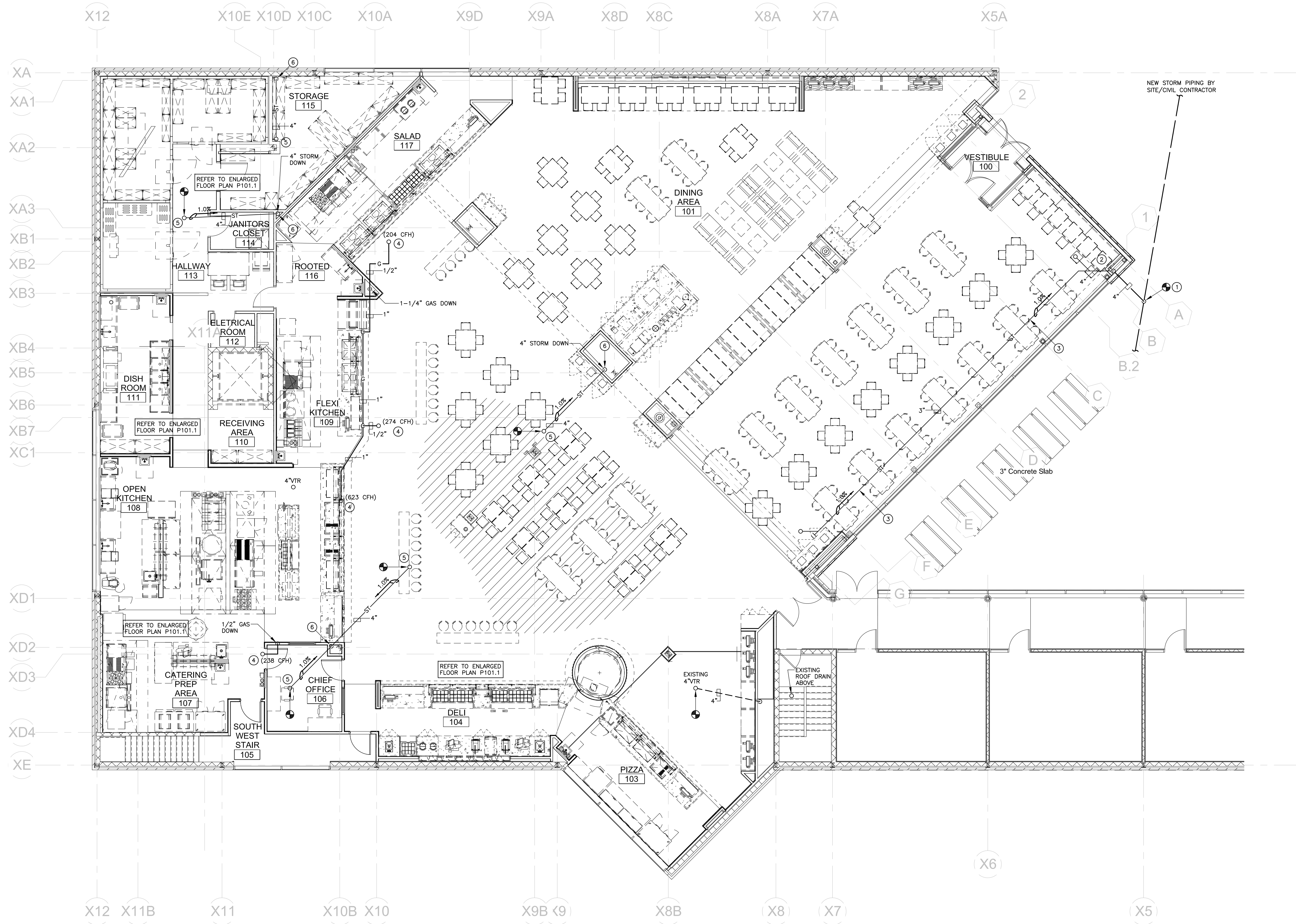
PROJECT NUMBER: 1416244

DRAWING NAME:

FIRST FLOOR PLUMBING PLAN

DRAVING NO.

P101



FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"

PLUMBING DRAWING NOTES

- ① PLUMBING CONTRACTOR SHALL COORDINATE WITH SITE/CIVIL CONTRACTOR AND CONNECT NEW 4" STORM PIPING FROM ROOF DRAINS OF NEW ADDITION.
- ② PROVIDE RECESSED 4" CLEANOUT WITH ACCESS DOOR.
- ③ PROVIDE STORM PIPING TIGHT TO BOTTOM OF STEEL.
- ④ PROVIDE NATURAL GAS UP THROUGH ROOF AND CONNECT TO H.V.A.C. EQUIPMENT.
- ⑤ CONNECT TO EXISTING 4" ROOF DRAIN ABOVE.
- ⑥ PROVIDE 4" STORM DRAIN PIPING DOWN TO BASEMENT LEVEL AND CONNECT TO EXISTING; CONTRACTOR SHALL FIELD VERIFY EXISTING CONNECTION LOCATIONS.

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DRAWING NAME:

DRAVING NO.

P101.1

CONTRACTOR SHALL REVIEW AND COORDINATE WITH KITCHEN EQUIPMENT VENDORS DRAWINGS FOR ALL PLUMBING REQUIREMENTS.

CONTRACTOR SHALL REFER TO DRAWING P101.2, DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION ON PLUMBING CONNECTIONS OF KITCHEN EQUIPMENT.



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FOODSERVICE PLUMBING SCHEDULE - FIRST LEVEL															
ITEM NO	QTY	DESCRIPTION	CW SIZE	CW AFF	HW SIZE	HW AFF	DW SIZE	DW AFF	IW SIZE	IW TYPE	GAS SIZE	BTU/H	CFH	GAS AFF	PLUMBING REMARKS
43.2	1	EVAPORATOR COIL, COOLER							3/4"	FD					PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM EQUIPMENT DOWN TO FLOOR SINK.
43.5	1	EVAPORATOR COIL							3/4"	FD					PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM EQUIPMENT DOWN TO FLOOR SINK.
43.8	1	EVAPORATOR COIL, COOLER							3/4"	FD					PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM EQUIPMENT DOWN TO FLOOR SINK.
45	1	ICE BIN							3/4"	FS					PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM ICE BIN DOWN TO FLOOR SINK.
46	1	MODULAR CUBELET ICE MACHINE — AIR-COOLED	1/2"	14"					3/4"	FS					PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM ICE BIN DOWN TO FLOOR SINK. PROVIDE DOMESTIC WATER REQUIREMENTS AND WATER FILTER ASSEMBLY.
47	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1-1/2"	12"							
49	1	SOILED DISH TABLE													
49.1	1	WALL MOUNT PRE-RINSE FAUCET	1/2"	14"	1/2"	14"									
51	1	DISHWASHER, CONVEYOR TYPE			1"				1-1/2"						PLUMBING CONTRACTOR SHALL PROVIDE 1" DOMESTIC HOT WATER CONNECTION AND 1-1/2" INDIRECT DRAIN PIPING TO FLOOR SINK.
52	1	CLEAN DISHTABLE													
54	1	SINK, 3-COMPARTMENT							2"	FS					LEVER WASTE, WITH INDIRECT DRAIN PIPING TO FLOOR SINK.
54.1	2	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"									
58	2	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1-1/2"	12"							
62	1	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"									
62	1	SINK, 1-COMPARTMENT	1/2"	14"	1/2"	14"			1-1/2"	FS					LEVER WASTE, WITH INDIRECT DRAIN PIPING TO FLOOR SINK.
64	1	FAUCET, WALL MOUNT													
64	1	SINK, 1-COMPARTMENT	1/2"	14"	1/2"	14"			1-1/2"	FS					LEVER WASTE, WITH INDIRECT DRAIN PIPING TO FLOOR SINK.
69	1	GRIDDLE, GAS, COUNTERTOP									3/4"	60000	60	24"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
70	1	CHARBROILER, GAS, COUNTERTOP									3/4"	80000	80	24"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
71	1	COUNTERTOP RANGE									3/4"	132000	132	24"	GAS QUICK DISCONNECT WITH REGULATOR AND RESTRAINING DEVICE, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV VALVE BEFORE CONNECTING TO EQUIPMENT.
72	1	TILT SKILLET, GAS	3/8"	14"	3/8"	14"					3/4"	91000	91	18"	DUAL PANTRY FILL FAUCET, GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
72.1	1	FLOOR TROUGH					4"	-4"							9" WIDE x 4'-0" LONG STAINLESS STEEL FLOOR TROUGH PROVIDED BY EQUIPMENT VENDOR AND INSTALLED BY PLUMBING CONTRACTOR.
79	1	SINK, DROP-IN	1/2"	14"	1/2"	14"			1-1/2"	FS					
83	3	FRYER									3/4"	110000	110	24"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
86	1	FLOOR TROUGH					4"	-4"							9" WIDE x 7'-0" LONG STAINLESS STEEL FLOOR TROUGH PROVIDED BY EQUIPMENT VENDOR AND INSTALLED BY PLUMBING CONTRACTOR.
87	1	36" OPEN-TOP BURNER RANGE-CONVECTION-OVEN BASE									1"	255000	255	24"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
89	1	GRIDDLE, GAS, COUNTERTOP									3/4"	120000	120	24"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
90	1	CHARBROILER, GAS, COUNTERTOP									3/4"	120000	120	24"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
91	2	OVEN-STEAMER, COMBINATION, GAS, DOUBLE STACK	3/4"	14"					2"	FS	3/4"	49000	49	24"	WATER SUPPLY 25-85 PSI. 1ST WATER IS FOR STEAM GENERATOR, 2ND FOR CONDENSER. CONNECT DRAIN TO HIGH TEMP. PIPING. 8" WC NATURAL GAS; — GAS QUICK DISCONNECT & DRAIN WATER TEMPERING KIT. 3/4" GAS CONNECTION HOSE AND INSTALLATION KIT PROVIDED WITH EQUIPMENT AND INSTALLED BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL 3/4" GAS VALVE, 3/4" CW PIPING TO 3/4" FILTER (PARTICLE AND CARBON FILTER) AND 2" INDIRECT DRAIN TO FLOOR SINK.
92	1	ROTISSERIE, VERTICAL, GAS	1/4"	14"					1-1/2"	FS	3/4"	115000	115	24"	PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL GAS QUICK DISCONNECT VALVE AND 3/4" FLEX HOSE, 1/2" CW CONNECTION TO EQUIPMENT AND 1" INDIRECT DRAIN TO FLOOR SINK. PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
120	3	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1-1/2"	12"							
122	1	RANGE, WOK	1/2"	14"					2"	FS	3/4"	53000	53	18"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
124	1	CHARBROILER, GAS, COUNTERTOP									3/4"	80000	80	18"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
125	1	GRIDDLE, GAS, COUNTERTOP									3/4"	60000	60	18"	GAS QUICK DISCONNECT, PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
126	2	OVEN-STEAMER, COMBINATION, GAS	3/4"	14"					2"	FS	3/4"	170000	170		WATER SUPPLY 25-85 PSI. 1ST WATER IS FOR STEAM GENERATOR, 2ND FOR CONDENSER. CONNECT DRAIN TO HIGH TEMP. PIPING. 8" WC NATURAL GAS; — GAS QUICK DISCONNECT & DRAIN WATER TEMPERING KIT
130	4	DROP-IN, HOT/COLD WELL							3/4"	FS					PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL 3/4" I.W. PIPING FROM EQUIPMENT TO FLOOR SINK.
131	1	DROP IN, HOT/COLD/FREEZE WELL							3/4"	FS					PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL 3/4" I.W. PIPING FROM EQUIPMENT TO FLOOR SINK.
140	1	FAUCET, WALL MOUNT	1/2"	14"	1/2"	14"									LEVER WASTE
140	1	SINK, 1-COMPARTMENT							1-1/2"	FS					1-COMPARTMENT SINK, SPLASH MOUNTED FAUCET AND TWIST HANDLE. 1-1/2" DRAIN PROVIDED WITH EQUIPMENT AND INSTALLED BY PLUMBER.
152	1	COUNTERTOP RANGE									3/4"	132000	132	24"	GAS QUICK DISCONNECT VALVE WITH REGULATOR AND RESTRAINING DEVICE AND FLEX HOSE PROVIDED WITH EQUIPMENT AND INSTALLED BY PLUMBER. PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
153	1	CHARBROILER, GAS, COUNTERTOP									3/4"	80000	80	24"	GAS QUICK DISCONNECT VALVE AND FLEX HOSE PROVIDED WITH EQUIPMENT AND INSTALLED BY PLUMBER. PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
154	1	GRIDDLE, GAS, COUNTERTOP									3/4"	60000	60	24"	GAS QUICK DISCONNECT VALVE AND FLEX HOSE PROVIDED WITH EQUIPMENT AND INSTALLED BY PLUMBER. PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
155	1	FRYER									3/4"	122000	122	24"	GAS QUICK DISCONNECT VALVE AND FLEX HOSE PROVIDED WITH EQUIPMENT AND INSTALLED BY PLUMBER. PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
172	1	ICE MAKER & DISPENSER	1/2"	14"					3/4"	FS					WATER FILTRATION SYSTEM PROVIDED BY KITCHEN EQUIPMENT VENDOR AND INSTALLED BY PLUMBER. PROVIDE INDIRECT DRAIN PIPING FROM ICE MAKER BIN TO FLOOR SINK.
173	1	MULTI BEVERAGE DISPENSER	1/4"	14"					1"	FS					PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM EQUIPMENT DOWN TO FLOOR SINK.
180	1	REFRIGERATED DISPLAY CASE							1"	FS					PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM EQUIPMENT DOWN TO FLOOR SINK.
181	1	HAND SINK, DROP-IN	1/2"	14"	1/2"	14"	1-1/2"	12"							
186	1	UTILITY SINK, DROP-IN	1/2"	14"	1/2"	14"			1-1/2"	FS					HAND SINK, FAUCET AND BASKET STRAINER PROVIDED BY VENDOR AND INSTALLED BY PLUMBER. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL TAILPIECE, P-TRAP, HW AND CW STOP VALVES WITH CONNECTION TUBES TO FAUCET.
190	1	OVEN, HEARTH									3/4"	188000	188	24"	GAS QUICK DISCONNECT VALVE AND FLEX HOSE PROVIDED WITH OVEN HEARTH AND INSTALLED BY PLUMBER. PLUMBING CONTRACTOR SHALL PROVIDE GAS PRV BEFORE CONNECTING TO EQUIPMENT.
193	1	HOT/COLD PAN, DROP-IN							1"	FS					DRAIN SHUT-OFF VALVE. PLUMBER SHALL PROVIDE 1" INDIRECT DRAIN PIPING TO FLOOR SINK.
199	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1-1/2"	12"							HAND SINK, FAUCET AND BASKET STRAINER PROVIDED BY VENDOR AND INSTALLED BY PLUMBER. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL TAILPIECE, P-TRAP, HW AND CW STOP VALVES WITH CONNECTION TUBES TO FAUCET.
E13	1	SINK, DROP-IN	1/2"	14"	1/2"	14"			1-1/2"	FS					
E25	1	ELECTRIC KETTLE							2"	FT					ITEM #E25 TO DRAIN TO NEW FLOOR TROUGH ITEM #86
E26	1	TILT SKILLET	1/2"	14"	1/2"	14"			2"	FT					ITEM #E26 TO DRAIN TO NEW FLOOR TROUGH ITEM #86
E72	2	WATER FILTER SYSTEM	3/8"	14"											REFER TO KITCHEN EQUIPMENT VENDOR DRAWINGS FOR LOCATION AND CONNECTIONS.
E75	1	CAPPUCCINO DISPENSER	1/4"	14"											
E79	1	HOT WATER DISPENSER	1/4"	14"											
E81	1	THERMAL COFFEE BREWER, DOUBLE	1/4"	14"											ESTIMATED UTILITIES — FIELD VERIFY
E128	1	HOT/COLD PAN, DROP-IN							1"	FS					DRAIN SHUT-OFF VALVE. PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM EQUIPMENT DOWN TO FLOOR DRAIN.
E129	1	HOT/COLD PAN, DROP-IN							1"	FS					DRAIN SHUT-OFF VALVE. PLUMBING CONTRACTOR SHALL PROVIDE INDIRECT DRAIN PIPING FROM EQUIPMENT DOWN TO FLOOR DRAIN.
													TOTAL 2077		

ARCHITECT:



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PROJECT:

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

SEAL:

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ISSUED DATE: 02.16.2018
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PLUMBING
SCHEDULE
DRAWING NO.
P101.2

PLUMBING DRAWING NOTES

- ① PROVIDE NEW 3" COMBINATION ROOF DRAIN AND OVERTFLOW DRAIN. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. COORDINATE WITH ROOFING CONTRACTOR FOR INSTALLATION.
- ② EXISTING ROOF DRAIN SHALL REMAIN. NO WORK REQUIRED.
- ③ CONTRACTOR SHALL COORDINATE WITH ROOFING CONTRACTOR AND REMOVE EXISTING VENT THROUGH ROOF.
- ④ PROVIDE NEW 2'-0" EXTENSION OF 4" VENT ABOVE ROOF LINE.
- ⑤ PROVIDE NATURAL GAS SERVICE TO H.V.A.C. EQUIPMENT AND CONNECT. COORDINATE WITH H.V.A.C. CONTRACTOR FOR FINAL LOCATIONS AND EQUIPMENT REQUIREMENTS.
- ⑥ CONTRACTOR SHALL REMOVE EXISTING 4" VENT AND PROVIDE NEW 4" VENT AT NEW LOCATION.

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

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ROOF PLUMBING PLAN

DRAVING NO.

P102

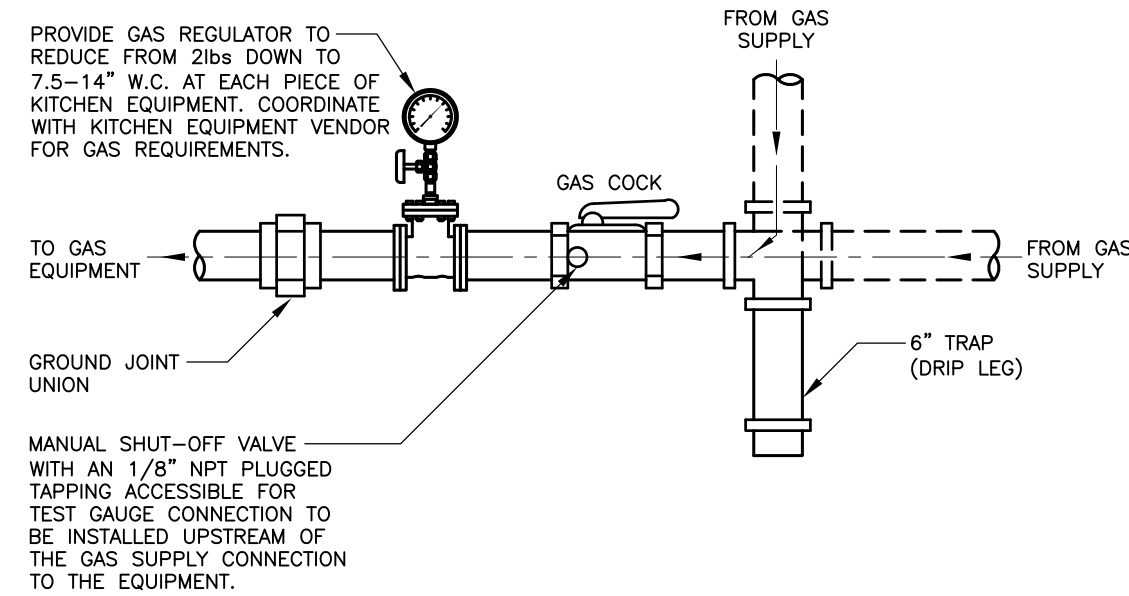
TYPICAL INDIRECT WASTE PIPE TO FLOOR SINK DETAIL
SCALE: N.T.S.

**TYPICAL FLOOR DRAIN & FLOOR SINK
SERVICE PIPING INSTALLATION DETAIL**
SCALE: N.T.S.

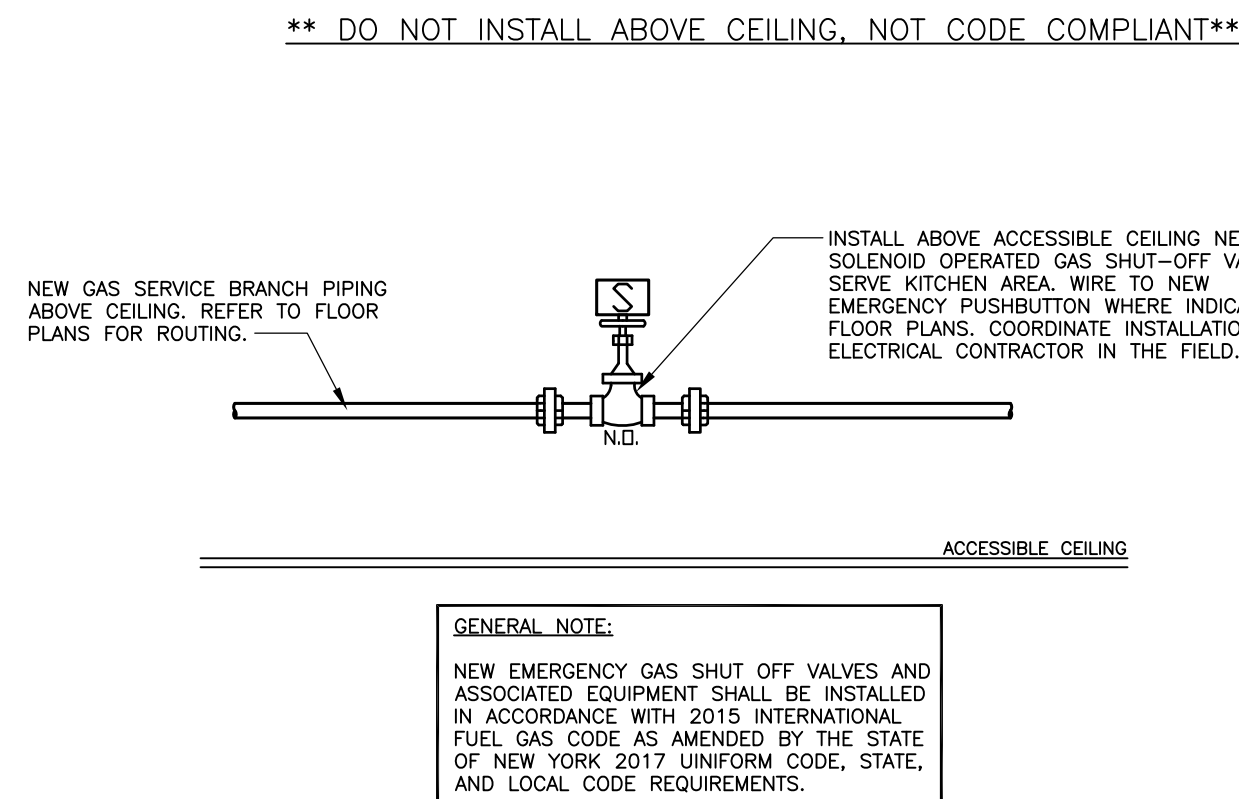
EMERGENCY SHUT OFF BUTTON DETAIL
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KITCHEN GAS VALVE CONTROL DIAGRAM

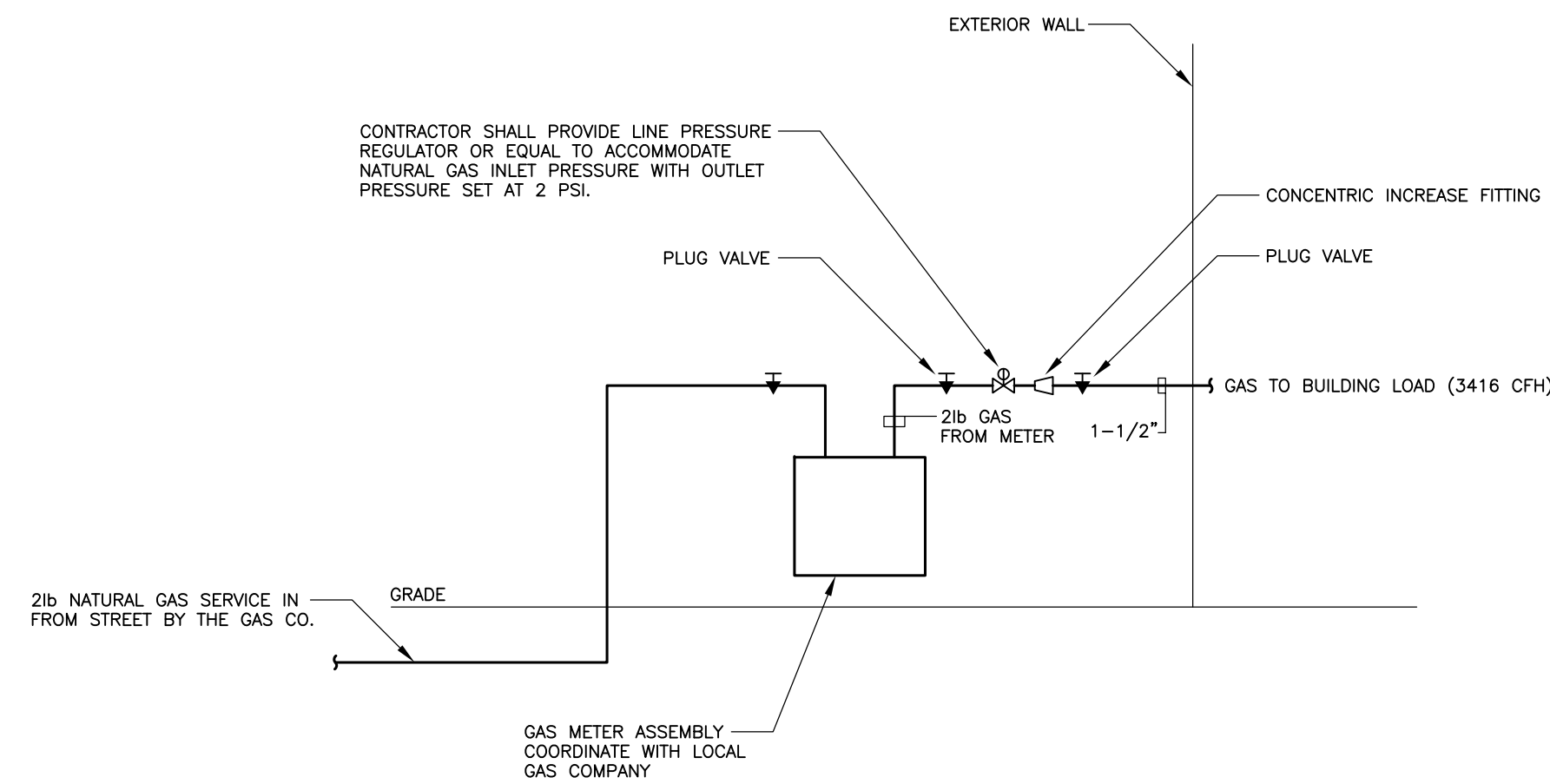
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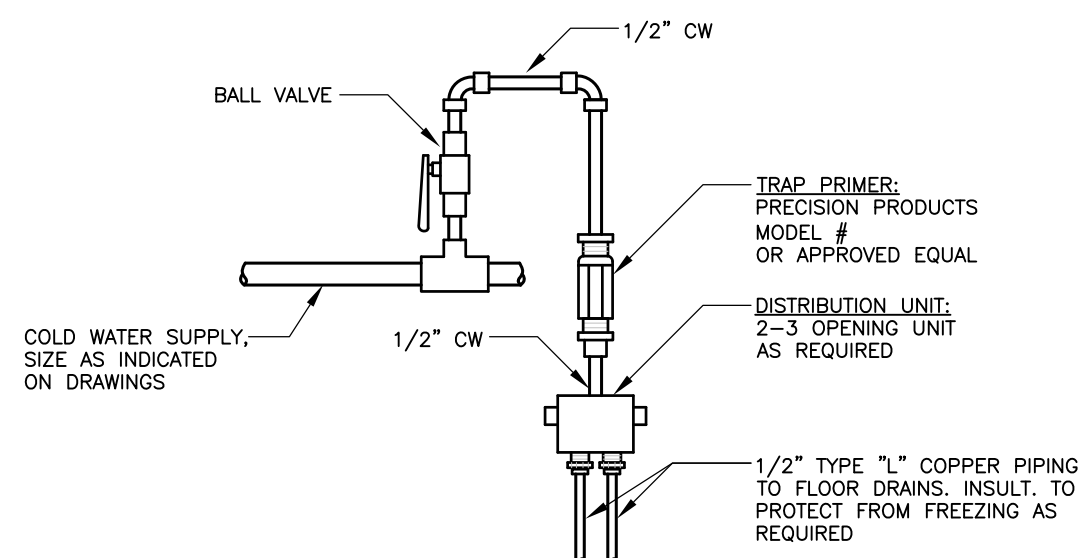
TYPICAL GAS CONNECTION TO EQUIPMENT DETAIL
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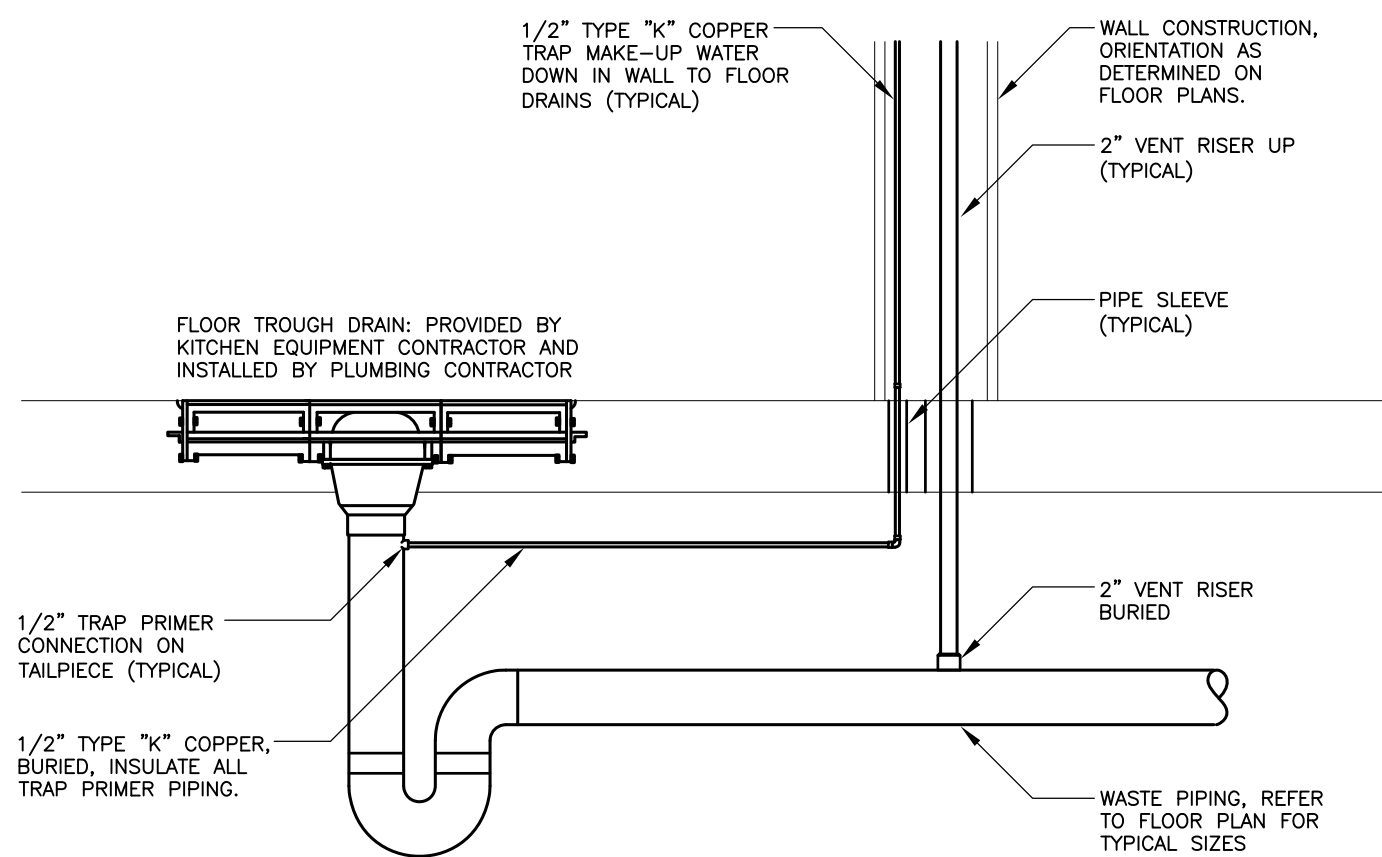
TYPICAL EMERGENCY GAS SHUT-OFF VALVE
INSTALLATION DETAIL (CEILING MOUNTED)
N.T.S.



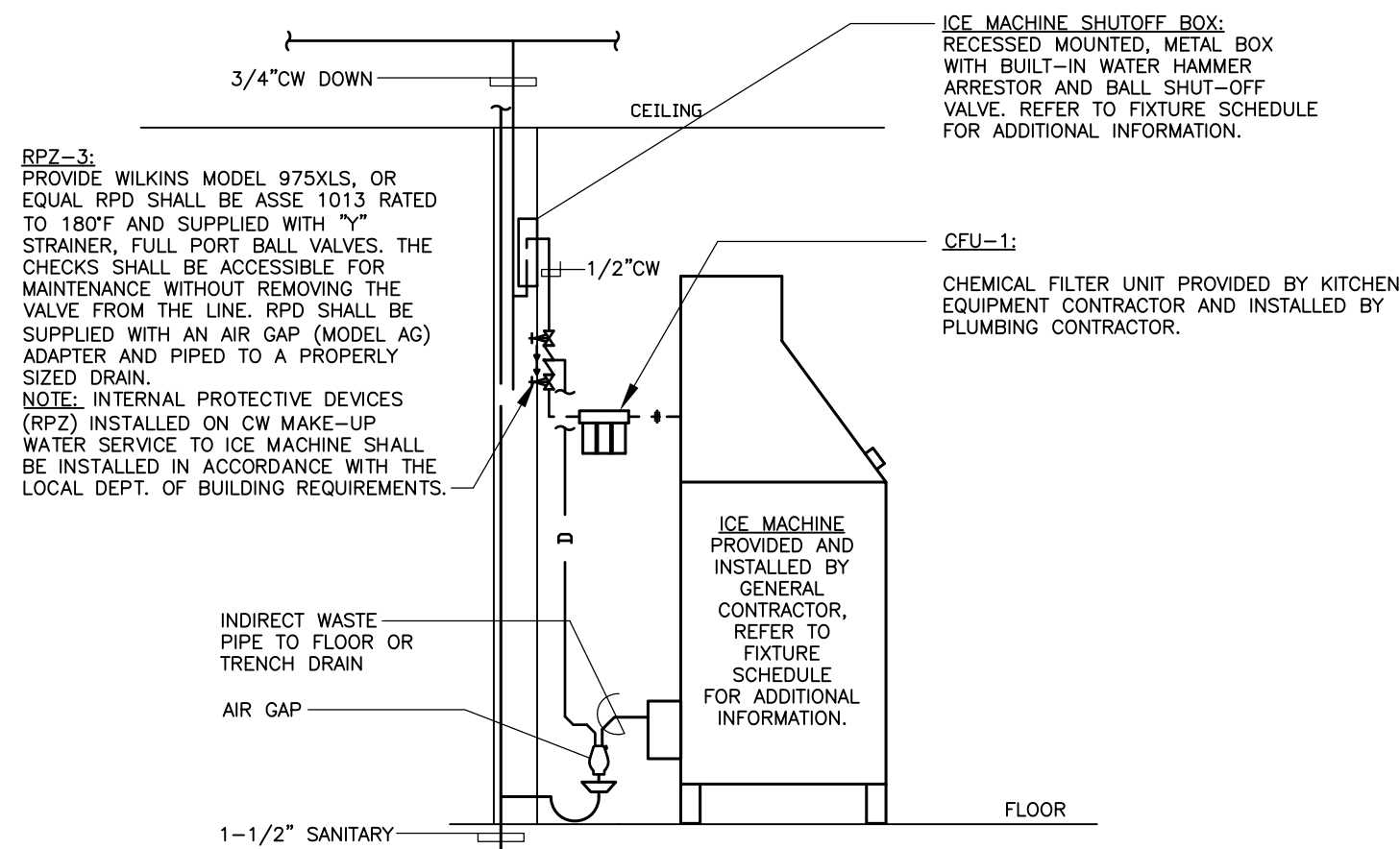
NATURAL GAS METER ASSEMBLY DETAIL
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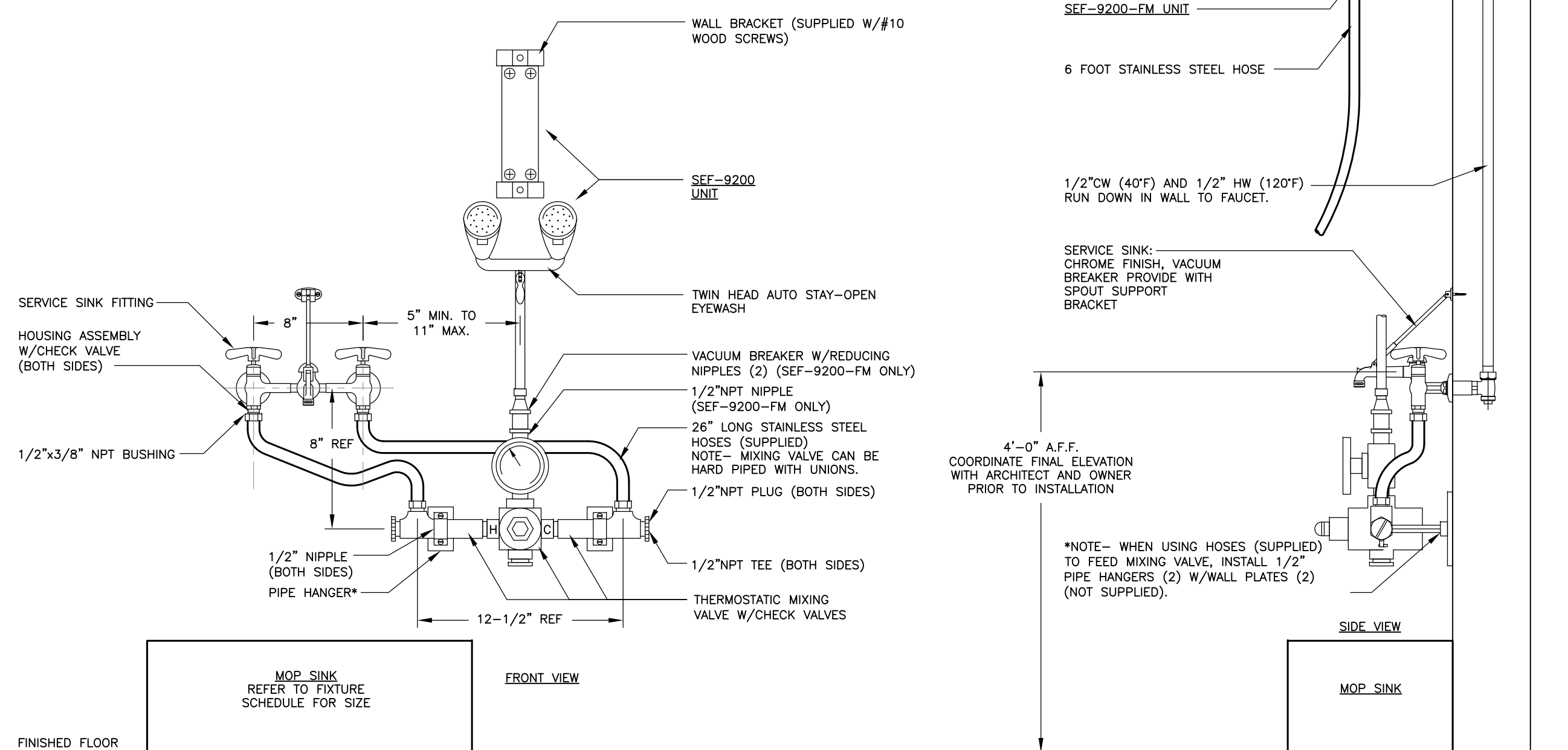
TYPICAL TRAP PRIMER INSTALLATION DETAIL
N.T.S.



TYPICAL FLOOR TROUGH (FT1)
SERVICE PIPING INSTALLATION DETAIL
SCALE: N.T.S.



ICE MACHINE WITH INDIRECT ABOVE FLOOR
N.T.S.



MOP SINK SERVICE FAUCET INSTALLATION DETAIL
SCALE: N.T.S.

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

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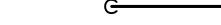
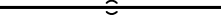
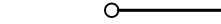

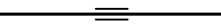


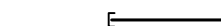
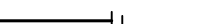


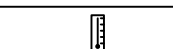


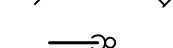
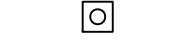
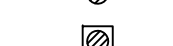

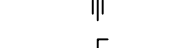







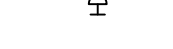





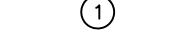


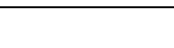







G:\IES Projects\2017 Projects\Term PJP\17163 SUNY Purchase The Hub\Contract Documents\17163-P203.dwg Plotted by ptoello on Feb 20, 2018 - 4:19pm

PLUMBING WATER SPECIALTIES SCHEDULE					
SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
B1	BALANCING VALVE	B&G CIRCUIT SETTER SERIES CB	BALANCING VALVE; LEAD FREE, CALIBRATED, STAINLESS STEEL BALL, INTERNAL INSERTS/CHECK VALVES	-	#1,2
RPBP1	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS MODEL # UP TO 1" LF909 1 1/2" TO 2" LF909M1 2 1/2" AND OVER LF909	REDUCED PRESSURE BACKFLOW PREVENTER; ASSE 1013, LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY, PRESSURE DIFFERENTIAL RELIEF VALVE BETWEEN TWO POSITIVE SEATING CHECK VALVES.	SHUT-OFF VALVES, AIR GAP FITTING, STRAINER, TEST COCKS.	#1,2
TP1	TRAP PRIMER	PPP MODEL # FP01-500	TRAP PRIMER; CORROSION RESISTANT BRASS.	DISTRIBUTION UNIT	#2,3
WHA	WATER HAMMER ARRESTOR	PPP MODEL # SC-500A	WATER HAMMER ARRESTOR; CORROSION RESISTANT BRASS	-	#4
REMARKS: 1. REFER TO FLOOR PLANS FOR SIZES. 2. PROVIDE ISOLATION VALVE ON WATER SUPPLY. 3. PROVIDE WITH DISTRIBUTION UNIT FOR SERVING MULTIPLE FLOOR DRAINS. 4. PROVIDE ON ALL QUICK CLOSING VALVES AND ON EQUIPMENT.					

COMMERCIAL PLUMBING FIXTURE SCHEDULE					
SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
P1	MOP BASIN	FIAT MODEL # MSBIDTG3630	FLOOR MOUNTED MOP BASIN, MOLDED STONE, 36"x36"x10" HIGH	STAINLESS STEEL GRID DRAIN, STAINLESS STEEL WALL GUARD, MOP HANGERS, WALL HUNG FAUCET WITH INTEGRAL VACUUM BREAKER FIAT MODEL # 8300A.	#1,2
P2 	COUNTERMOUNTED EYEWASH DRENCH HOSE UNIT	GARDIAN MODEL # G5022-DC-FSH-HG-VB	COUNTER MOUNTED EYEWASH, DRENCH SHOWER, TWO GS-PLUS SPRAY HEADS, SST HANDLE	UNDER COUNTER HOSE GUIDE BRACKET,MIXING VALVE LEONARD MODEL TA-300, ASSE 1071 CERTIFIED FOR EMERGENCY EYEWASH/SHOWER USE.	#1,2,3
REMARKS: 1. PROVIDE WITH WATER HAMMER ARRESTOR. 2. PROVIDE ISOLATION VALVE ON WATER SUPPLY. 3. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS.					

PLUMBING DRAIN SPECIALTIES SCHEDULE					
SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
EC01	FLOOR CLEANOUT	JOSAM MODEL # 55000-1-22-Z	FLOOR CLEANOUT; DUCO CAST IRON BODY WITH FLASHING CLAMP, ADJUSTABLE SCORATED SATIN NIKALOY BRONZE TOP, BRONZE PLUG.	-	# 1
FS1	FLOOR SINK	JOSAM MODEL # 49340A-NB-55-C-2	FLOOR SINK; 12" SQUARE, 8" DEEP FLOOR SINK, WELD CONNECTION, LOOSE SET HALF GRATE, DOME BOTTOM STRAINER, SEDIMENT BUCKET.	-	# 1,2
BD1	ROOF DRAIN	JOSAM MODEL # 21500-y-y-1-19-22	ROOF DRAIN; DUCO CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP AND SECURED CAST IRON DOME, NO HUB OUTLET, UNDERDECK CLAMP	-	# 1
REMARKS: 1. REFER TO FLOOR PLANS FOR SIZES. 2. PROVIDE WITH TRAP PRIMER TP1 UNLESS NOTED OTHERWISE.					

PLUMBING PIPING LEGEND	
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATION
	WASTE, SANITARY OR SOIL
	WASTE, SANITARY, SOIL BURIED
	GREASE WASTE
	GREASE WASTE, SOIL BURIED
	STORM
	STORM BURIED
	OVERFLOW STORM
	VENT
	INDIRECT WASTE
	GAS (NATURAL)
	GAS VENT
	DIRECTION OF FLOW
	EXISTING PIPING TO BE REMOVED
	PIPE DOWN
	PIPE DROP
	PIPE RISE
	PIPE ANCHOR
	PIPE GUIDE or SLEEVE
	PIPE EXPANSION FITTING (AT BLDG. EXP.JOINTS)
	VIBRATION ISOLATION FITTING
	PLUGGED OR CAPPED PIPE
	CLEANOUT
	FLOOR CLEANOUT

PLUMBING SYMBOL LEGEND	
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	WATER HAMMER ARRESTOR
	STRAINER - "Y" TYPE
	P-TRAP
	ROOF DRAIN
	FLOOR DRAIN
	FLOOR SINK
	TRAP PRIMER
	UNION
	PETCOCK
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	BACKFLOW PREVENTER ASSEMBLY (RPD W/ DRAIN PIPING)
	THERMOSTATIC MIXING VALVE
	SOLENOID VALVE
	GATE VALVE
	GAS VALVE (BALL OR PLUG)
	EMERGENCY GAS SHUT-OFF BUTTON
	VALVE IN PIPE DROP
	VALVE IN PIPE RISER
	WATER PRESSURE REDUCING VALVE (* = PSI SETTING)
	GAS PRESSURE REGULATOR
	DRAIN VALVE
	TEMPERATURE & PRESSURE RELIEF VALVE (T&P)
	GAS METER
	PLUMBING WORK ITEM NOTE
	PLUMBING FIXTURE DESIGNATION
	CONNECT TO EXISTING
	BALANCING ASSEMBLY

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER DEVICE
C, CW	COLD WATER
CO	CLEANOUT
CFH	CUBIC FEET PER HOUR
CTE	CONNECT TO EXISTING
FD	FLOOR DRAIN
FS	FLOOR SINK
GI	GREASE INTERCEPTOR
GW	GREASE WASTE
GV	GAS VENT
G	GAS
GPM	GALLONS PER MINUTE
GSV	GAS SOLENOID VALVE
H, HW	HOT WATER
HB	HOSE BIBB
HC	HANDICAP ACCESSIBLE
HWR	HOT WATER RECIRCULATION
IN	INDIRECT WASTE
INV. ELEV.	INVERT ELEVATION
MBH	THOUSAND B.T.U. PER HOUR
NC	NOT IN CONTRACT
OST	OVERFLOW STORM
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
CWO	OVERFLOW WALL OUTLET (STORM)
RD	ROOF DRAIN
RPD	REDUCED PRESSURE BACKFLOW PREVENTER
S	SOIL
SS	SOIL STACK
ST	STORM
SAN	SANITARY
T&P	TEMPERATURE & PRESSURE RELIEF VALVE
TD	TRENCH DRAIN
TP	TRAP PRIMER
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
V	VENT
VS	VENT STACK
VIF	VERIFY IN FIELD
W	WASTE
W	WASTE
WC	WATER CLOSET
WS	WASTE STACK
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR

PLUMBING DEMOLITION NOTES	
PLUMBING DEMOLITION NOTES:	
1.	THE PLUMBING CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURES, CARRIERS, TRIM, ACCESSORIES, EQUIPMENT, FLOOR DRAINS AND PIPING AS SHOWN OR INDICATED ON THE DRAWINGS.
2.	ALL PIPING TO BE REMOVED SHALL BE REMOVED COMPLETELY OR AS OTHERWISE SHOWN OR INDICATED ON DRAWINGS. ALL PIPE HANGERS, SLEEVES, RISER CLAMPS, ETC. SHALL BE REMOVED COMPLETELY WITH PIPING. NO EXISTING HANGER SYSTEMS SHALL BE REUSED FOR NEW PIPING.
3.	ALL PIPING TO BE REMOVED SHALL BE REMOVED TO BELOW FLOOR, ABOVE CEILING OR IN WALLS BACK TO MAINS OR SHUT OFF VALVES AT MAINS AND PROPERLY CAPPED PER CODE WITHOUT LEAVING DEAD ENDED PIPING.
4.	NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
5.	ALL EXISTING PIPING AND EQUIPMENT SHOWN HAS BEEN TAKEN FROM THE BEST AVAILABLE EXISTING INFORMATION. THE DRAWINGS ARE DIAGRAMMATIC AND ALL FIXTURES, PIPING, AND DEVICES MAY NOT BE SHOWN. THE INTENT OF THESE DRAWINGS IS THAT IN ALL AREAS OF RENOVATION THAT THEY ARE REMOVED, WHETHER OR NOT SHOWN.
6.	THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
7.	ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY PIPING CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
8.	THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE PLUMBING DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
9.	ANY FIXTURE OR EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
10.	THE PLUMBING CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
11.	ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
12.	THE PLUMBING CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

PLUMBING GENERAL NOTES	
PLUMBING GENERAL NOTES	
1.	THESE GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2.	DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3.	PLUMBING CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEMS.
4.	THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF FOOD SERVICE AND OR KITCHEN EQUIPMENT PLUMBING ACCESSORIES FURNISHED BY DIVISION 11, INCLUDING BUT NOT LIMITED TO: FAUCETS, VACUUM BREAKERS, SOLENOIDS, PRESSURE REDUCING VALVES, GAS SUPPLY HOSES, DRAINS, SINK TAILPIECES, AND OTHER TRIM SUPPLIED WITH EQUIPMENT. THE PLUMBING CONTRACTOR MUST REVIEW THE KITCHEN DESIGN DOCUMENTS AND SPECIFICATIONS AS PART OF THIS CONTRACT FOR ADDITIONAL WORK AND OR COORDINATION REQUIRED.
5.	THE PLUMBING CONTRACTOR SHALL PROVIDE PIPE EXPANSION JOINTS ON PIPING PASSING THRU ALL BUILDING EXPANSION JOINT LOCATIONS AS REQUIRED PER BUILDING CODES WHETHER OR NOT SHOWN ON DRAWINGS. REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT BUILDING EXPANSION JOINT LOCATIONS AND EXPANSION DIMENSIONS.
6.	THE PLUMBING CONTRACTOR SHALL INSTALL ALL PIPING EQUIPMENT AND ACCESSORIES IN ACCORDANCE WITH THE LATEST STATE BUILDING CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. COORDINATION BETWEEN TRADES IS REQUIRED TO INSURE COMPLIANCE WITH THE GOVERNING CODES.
7.	ALL PIPING, EQUIPMENT OR ACCESSORIES INSTALLED IN PLENUM RATED CEILINGS SHALL BE LISTED AND APPROVED FOR SUCH INSTALLATION.

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PROJECT:

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

SEAL:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

PROJECT NUMBER: 1416244

DRAWING NAME:

PLUMBING NOTES, LEGENDS, AND SCHEDULES

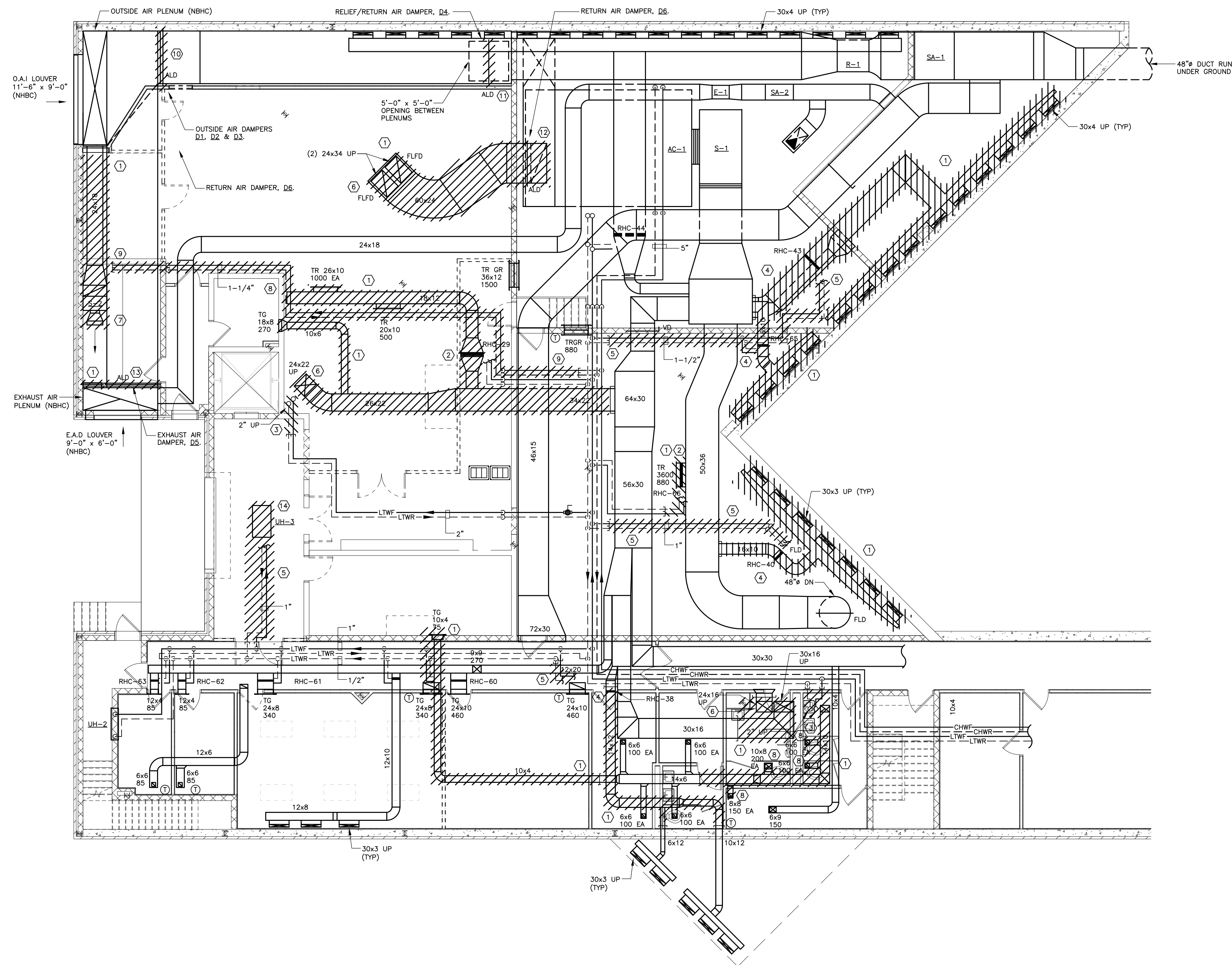
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P203

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577



BASEMENT MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION DRAWING NOTES

- ① REMOVE EXISTING DUCTWORK AND DUCTWORK ACCESSORIES AS SHOWN BY HATCH. CAP AS SHOWN.
- ② EXISTING REHEAT COIL TO BE RELOCATED. DISCONNECT FROM DUCTWORK AND HOT WATER PIPING. RETAIN EXISTING PNEUMATIC CONTROL VALVE. COIL SHALL BE CLEANED AND PREPARED FOR RE-USE.
- ③ REMOVE EXISTING HOT WATER PIPING AS SHOWN BY HATCH. EXISTING PIPING IS TO BE REMOVED UP TO FIRST FLOOR. CAP AS SHOWN. SEE DRAWING DM101 FOR CONTINUATION.
- ④ EXISTING REHEAT COIL AND ASSOCIATED ACCESSORIES TO BE REMOVED. REMOVE PIPING BACK TO MAIN AND CAP.
- ⑤ EXISTING HOT WATER PIPING TO BE REMOVED AS SHOWN HATCHED. CAP PIPING AS SHOWN.
- ⑥ EXISTING DUCT RISER TO BE REMOVED UP TO FIRST FLOOR. SEE DRAWING DM101 FOR CONTINUATION.
- ⑦ EXISTING FAN AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED.
- ⑧ EXISTING SUPPLY/EXHAUST GRILLE TO BE RELOCATED. DISCONNECT FROM DUCTWORK. CLEAN GRILLE AND PREPARE FOR RE-USE.
- ⑨ EXISTING CHILLED WATER PIPING AND ACCESSORIES TO BE REMOVED. DISCONNECT FROM EXISTING CHILLED WATER COIL. REMOVE PIPING BACK TO MAIN AND CAP AS SHOWN.
- ⑩ EXISTING PNEUMATIC OUTSIDE AIR DAMPERS, D1, D2 & D3, AND ASSOCIATED ACTUATORS TO BE REMOVED AS SHOWN HATCHED. PREPARE AREA FOR INSTALLATION OF NEW AUTOMATIC OUTSIDE AIR DAMPERS.
- ⑪ EXISTING PNEUMATIC RELIEF/RETURN AIR DAMPER, D4, AND ASSOCIATED ACTUATOR TO BE REMOVED AS SHOWN HATCHED. PREPARE AREA FOR INSTALLATION OF NEW AUTOMATIC RELIEF/RETURN AIR DAMPER.
- ⑫ EXISTING PNEUMATIC RETURN AIR DAMPER, D6, AND ASSOCIATED ACTUATOR TO BE REMOVED AS SHOWN HATCHED. PREPARE AREA FOR INSTALLATION OF NEW AUTOMATIC RETURN AIR DAMPER.
- ⑬ EXISTING PNEUMATIC EXHAUST AIR DAMPER, D6, AND ASSOCIATED ACTUATOR TO BE REMOVED AS SHOWN HATCHED. PREPARE AREA FOR INSTALLATION OF NEW AUTOMATIC EXHAUST AIR DAMPER.
- ⑭ EXISTING UNIT HEATER AND ASSOCIATED ACCESSORIES TO BE REMOVED. REMOVE PIPING BACK TO MAIN AND CAP.

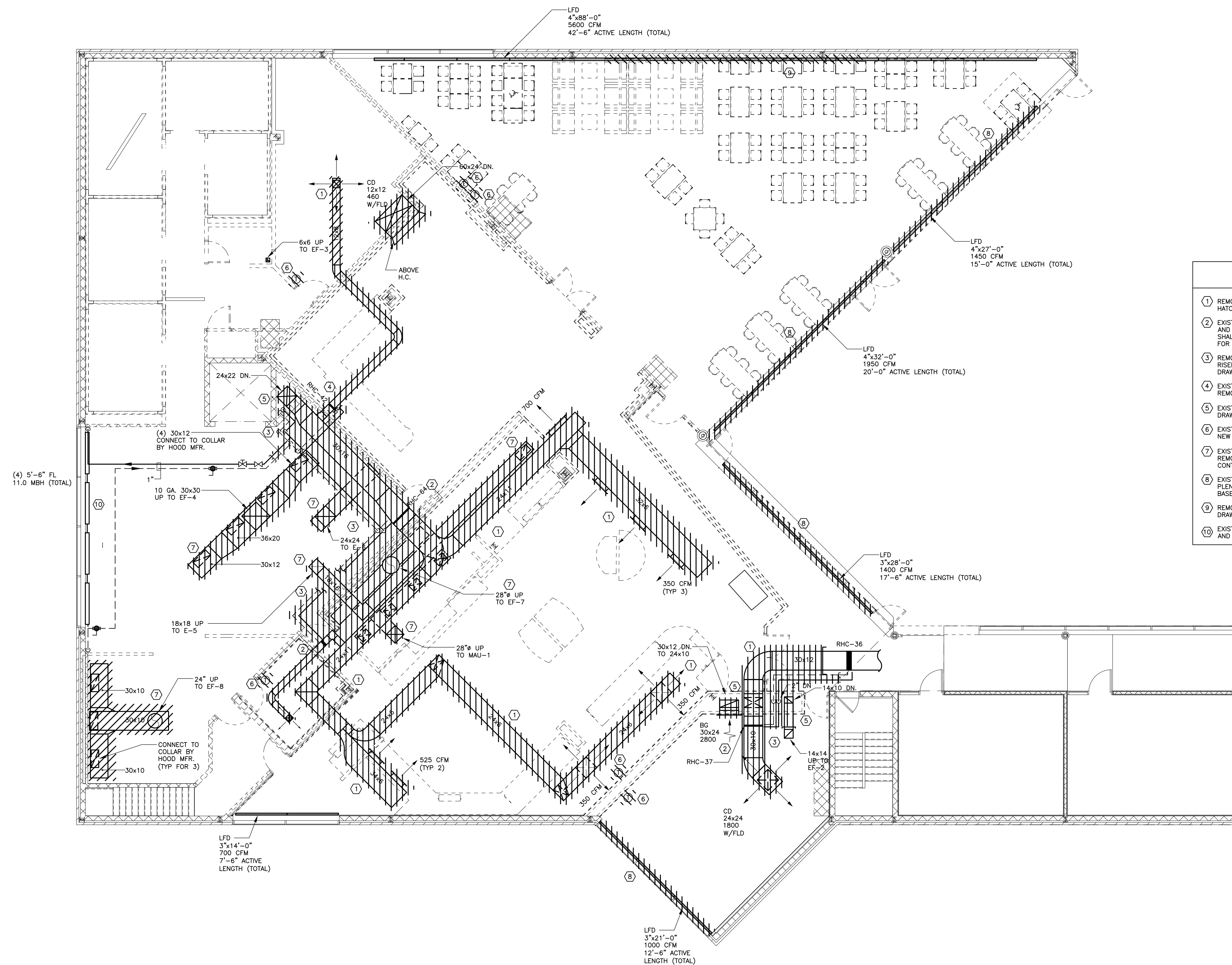
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BASEMENT MECHANICAL DEMOLITION PLAN

DRAWING NO.

DM100



FIRST FLOOR MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION DRAWING NOTES

- ① REMOVE EXISTING DUCTWORK AND DUCTWORK ACCESSORIES AS SHOWN BY HATCH. CAP AS SHOWN.
- ② EXISTING REHEAT COIL TO BE RELOCATED. DISCONNECT FROM DUCTWORK AND HOT WATER PIPING. RETAIN EXISTING PNEUMATIC CONTROL VALVE. COIL SHALL BE CLEANED AND PREPARED FOR RE-USE. SEE CONSTRUCTION PLAN FOR LOCATION.
- ③ REMOVE EXISTING HOT WATER PIPING AS SHOWN BY HATCH. EXISTING PIPING RISERS TO BE REMOVED DOWN TO BASEMENT. CAP AS SHOWN. SEE DRAWING DM100 FOR CONTINUATION.
- ④ EXISTING REHEAT COIL AND ASSOCIATED ACCESSORIES TO BE REMOVED. REMOVE PIPING BACK TO MAIN AND CAP.
- ⑤ EXISTING DUCT RISER(S) TO BE REMOVED DOWN TO BASEMENT. SEE DRAWING DM100 FOR CONTINUATION.
- ⑥ EXISTING THERMOSTAT TO BE RELOCATED. SEE CONSTRUCTION PLAN FOR NEW LOCATION.
- ⑦ EXISTING KITCHEN EXHAUST/MAKE-UP AIR DUCTWORK TO BE REMOVED. REMOVE DUCT RISERS UP TO ROOF. SEE DRAWING DM102 FOR CONTINUATION.
- ⑧ EXISTING LINEAR FLOOR DIFFUSER TO BE REMOVED. ALL ASSOCIATED PLenums AND DUCTWORK ACCESSORIES TO BE REMOVED DOWN TO BASEMENT. SEE DRAWING DM102 FOR CONTINUATION.
- ⑨ REMOVE SECTION OF LINEAR FLOOR DIFFUSER AS SHOWN HATCHED. SEE DRAWING M101 FOR CONTINUATION.
- ⑩ EXISTING PERIMETER RADIATION TO REMAIN. CLEAN EXISTING FINNED TUBE AND ENCLOSURE. ENCLOSURE TO BE RE-PAINTED. COLOR BY ARCHITECT.

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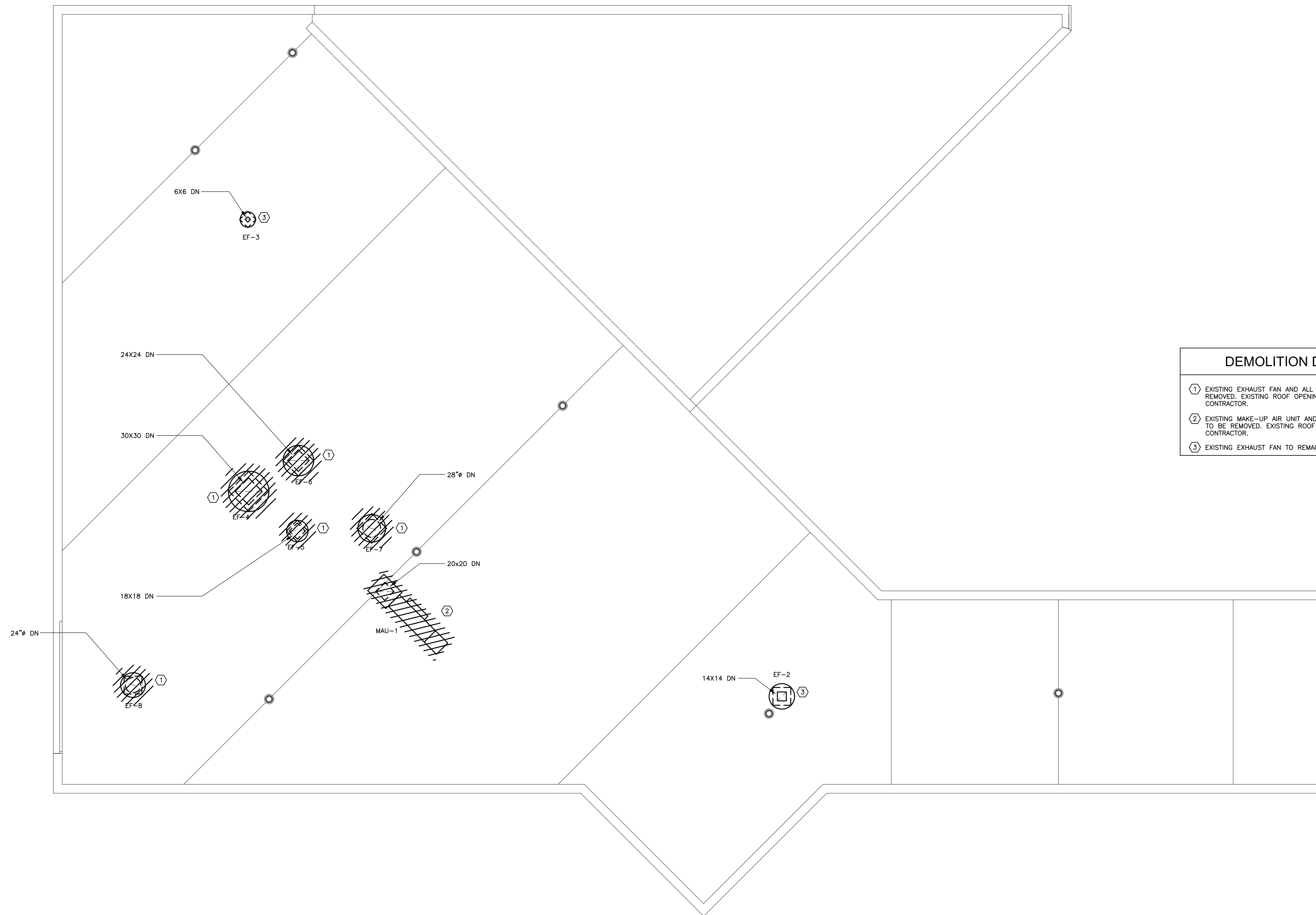
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DRAWING NAME:

FIRST FLOOR MECHANICAL DEMOLITION PLAN

DRAWING NO.

DM101



ROOF MECHANICAL DEMOLITION PLAN
SCALE: 1/8"= 1'-0"

DEMOLITION DRAWING NOTES

- ① EXISTING EXHAUST FAN AND ALL ASSOCIATED ACCESSORIES/UTILITIES TO BE REMOVED. EXISTING ROOF OPENING SHALL BE REPAIRED BY GENERAL CONTRACTOR.
- ② EXISTING MAKE-UP AIR UNIT AND ALL ASSOCIATED ACCESSORIES/UTILITIES TO BE REMOVED. EXISTING ROOF OPENING SHALL BE REPAIRED BY GENERAL CONTRACTOR.
- ③ EXISTING EXHAUST FAN TO REMAIN.

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CONSULTANT:



SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

PROJECT:

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PROJECT NUMBER: 1416244

DRAWING NAME:

ROOF MECHANICAL DEMOLITION PLAN

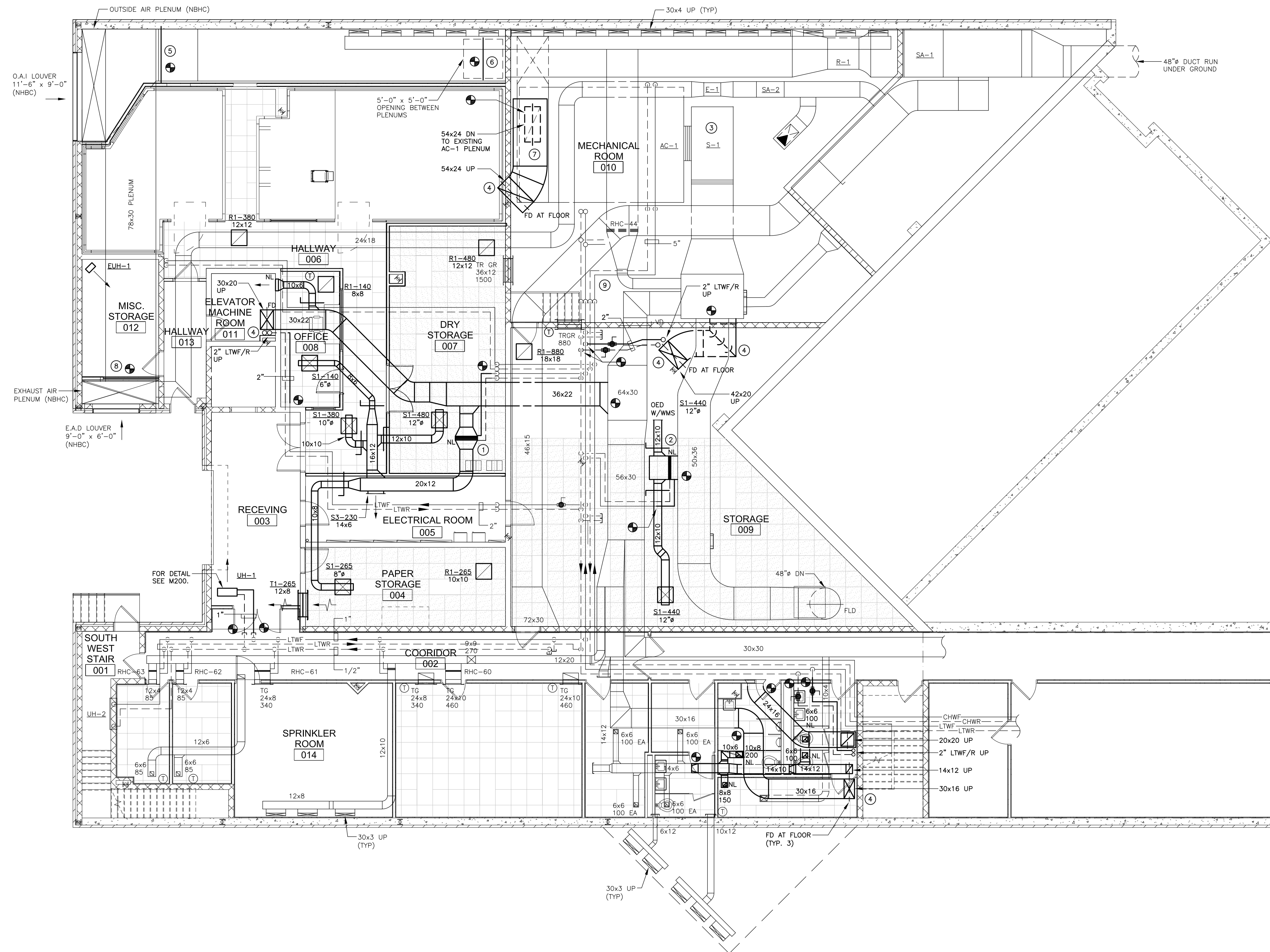
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DM102

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577



BASEMENT MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

MECHANICAL CONSTRUCTION NOTES

- 1 EXISTING REHEAT COIL, PHC-29, RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL SEE M-200.
- 2 EXISTING REHEAT COIL, PHC-66, RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL SEE M-200.
- 3 EXISTING AIR HANDLING UNIT SHALL BE RE-BALANCED TO 25% OUTSIDE AIR. CONTRACTOR TO COORDINATE OPERATION OF ALL REQUIRED AUTOMATIC AIR DAMPERS WITH EXISTING HVAC BUILDING MANAGEMENT SYSTEM AND CONTROLS.
- 4 CONTRACTOR SHALL PROVIDE, TUNING VANES FOR ALL 90 DEGREE DUCTWORK ELBOWS.
- 5 NEW OUTSIDE AIR DAMPERS, D1, D2 & D3, COMPLETE WITH PNEUMATIC ACTUATORS. CONTRACTOR TO COORDINATE WITH EXISTING BUILDING MANAGEMENT SYSTEM.
- 6 NEW RELIEF/RETURN AIR DAMPER, D4, COMPLETE WITH PNEUMATIC ACTUATOR. CONTRACTOR TO COORDINATE WITH EXISTING BUILDING MANAGEMENT SYSTEM.
- 7 NEW RETURN AIR DAMPER, D6, COMPLETE WITH PNEUMATIC ACTUATOR. CONTRACTOR TO COORDINATE WITH EXISTING BUILDING MANAGEMENT SYSTEM.
- 8 NEW EXHAUST AIR DAMPER, D5, COMPLETE WITH PNEUMATIC ACTUATOR. CONTRACTOR TO COORDINATE WITH EXISTING BUILDING MANAGEMENT SYSTEM.
- 9 ADD APPENDIX B1: PROVIDE NEW CHILLED WATER BOOSTER PUMP, CHWP-1, WITH REQUIRED SUPPORTS, ISOLATION, PIPING & PIPING SPECIALTIES, VFD, AND DIFFERENTIAL PRESSURE SENSOR. CONTRACTOR TO PROVIDE CHILLED WATER BOOSTER PUMP, CHWP-1, WITH TWO-WAY CHILLED WATER COIL CONTROL VALVE. EXISTING PRESSURE SENSOR SHALL BE INSTALLED IN SERIES WITH DISCHARGE PIPING. CONTRACTOR TO PROVIDE ALL REQUIRED ACCESSORIES TO ACHIEVE A COMPLETE WORKING SYSTEM. CHILLED WATER PUMP, VFD AND DIFFERENTIAL PRESSURE SENSOR SHALL ACT AS NEW STAND ALONE DDC SYSTEM. CONTRACTOR SHALL REMOVE AND RECONNECT TO EXISTING CHILLED WATER PIPING AS REQUIRED. SEE MECHANICAL SCHEDULE FOR PUMP SCHEDULE. FOR PUMP SCHEDULE, SEE INSTALLATION DETAIL, SEE DRAWING M201.

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PROJECT NUMBER: 1416244

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BASEMENT MECHANICAL PLAN

DRAFTING NO.

M100

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

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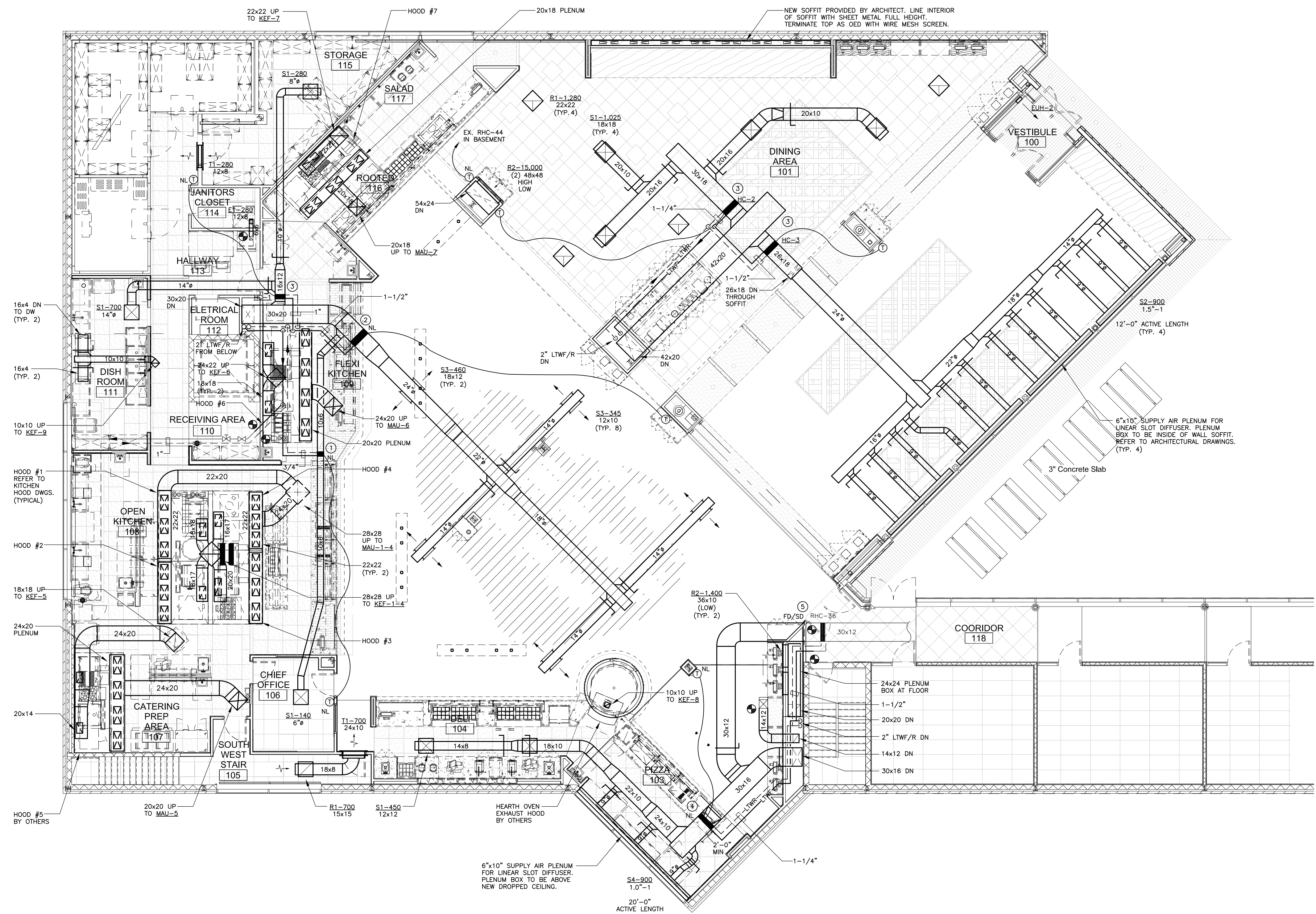
PROJECT NUMBER: 1416244

DRAWING NAME:

FIRST FLOOR MECHANICAL PLAN

DRAVING NO.

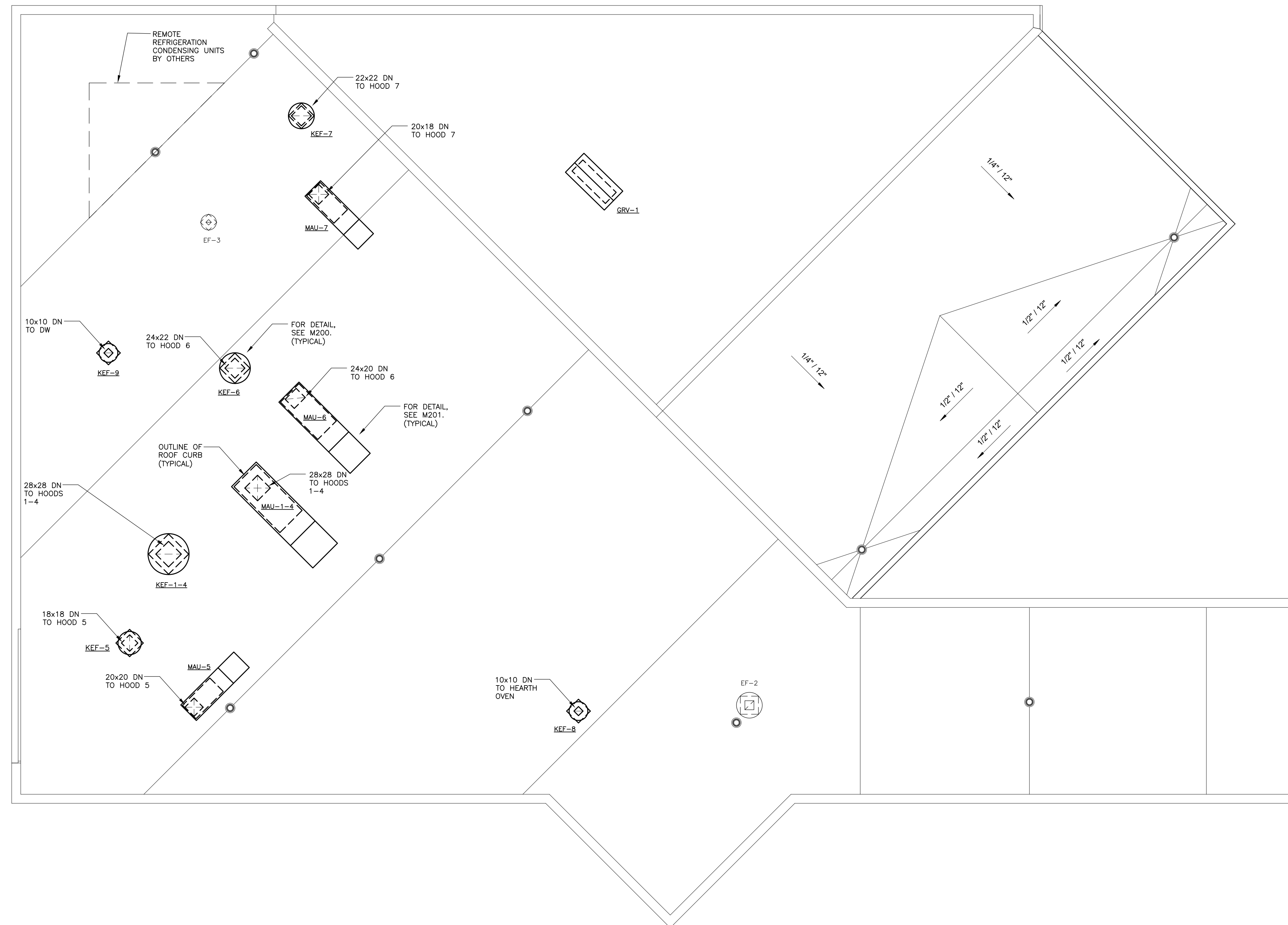
M101



FIRST FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

MECHANICAL CONSTRUCTION NOTES

- ① EXISTING REHEAT COIL, RHC-41 (1.5 GPM). RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M-200.
- ② EXISTING REHEAT COIL, RHC-64 (1.5 GPM). RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M-200.
- ③ NEW HOT WATER REHEAT COIL, SEE MECHANICAL SCHEDULES. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M-200.
- ④ EXISTING REHEAT COIL, RHC-37 (6 GPM). RECONNECT USING EXISTING PNEUMATIC CONTROL VALVE. CONTRACTOR TO FIELD VERIFY OPERATION OF EXISTING VALVE. REPLACE AS REQUIRED. FOR HOT WATER COIL INSTALLATION DETAIL, SEE M200.
- ⑤ PROVIDE NEW COMBINATION FIRE/SMOKE DAMPER IN EXISTING DUCT AT NEW FIRE SEPARATION. FOR DAMPER INSTALLATION DETAIL, SEE M201.



ROOF MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

[illegible]

SEAL:

ISSUED FOR: BID
ISSUED DATE: 02.16.2018

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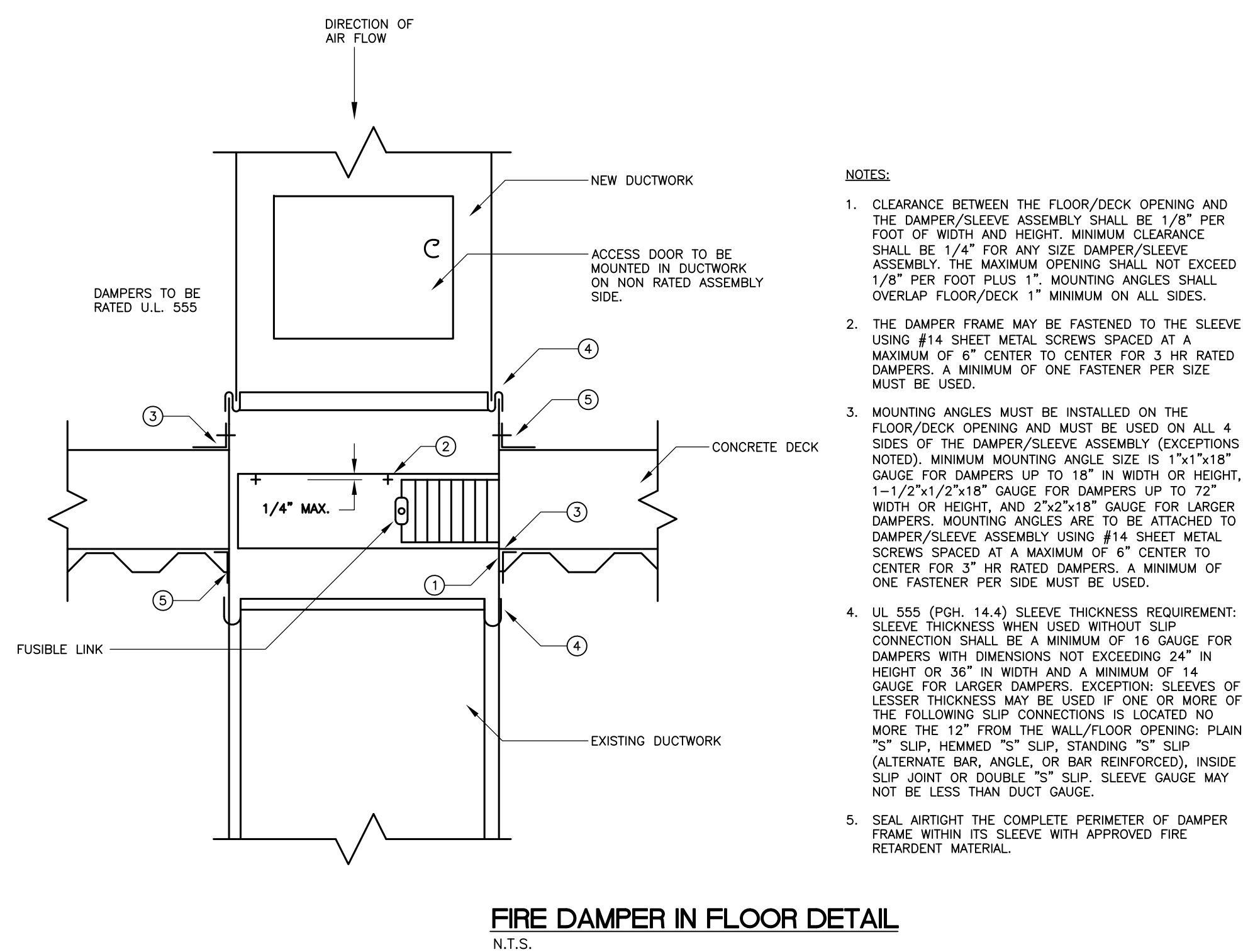
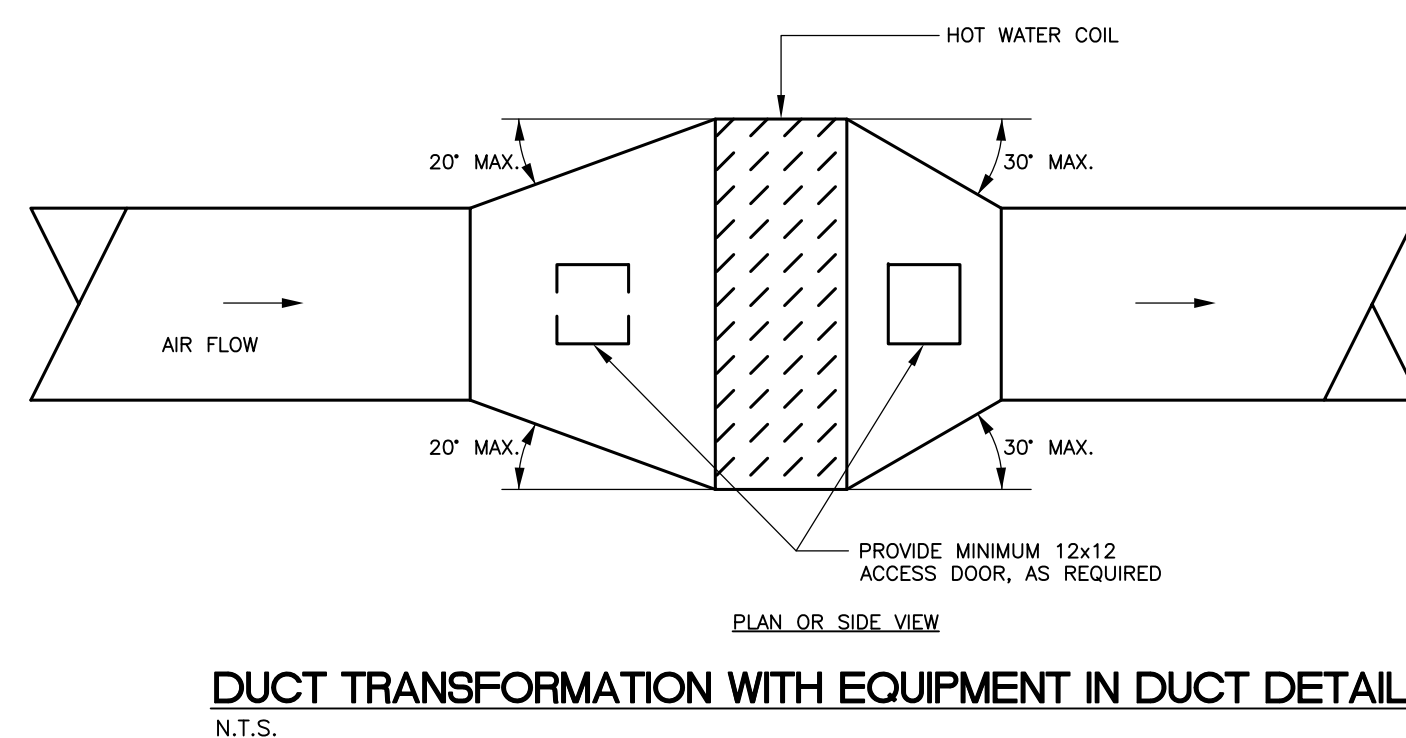
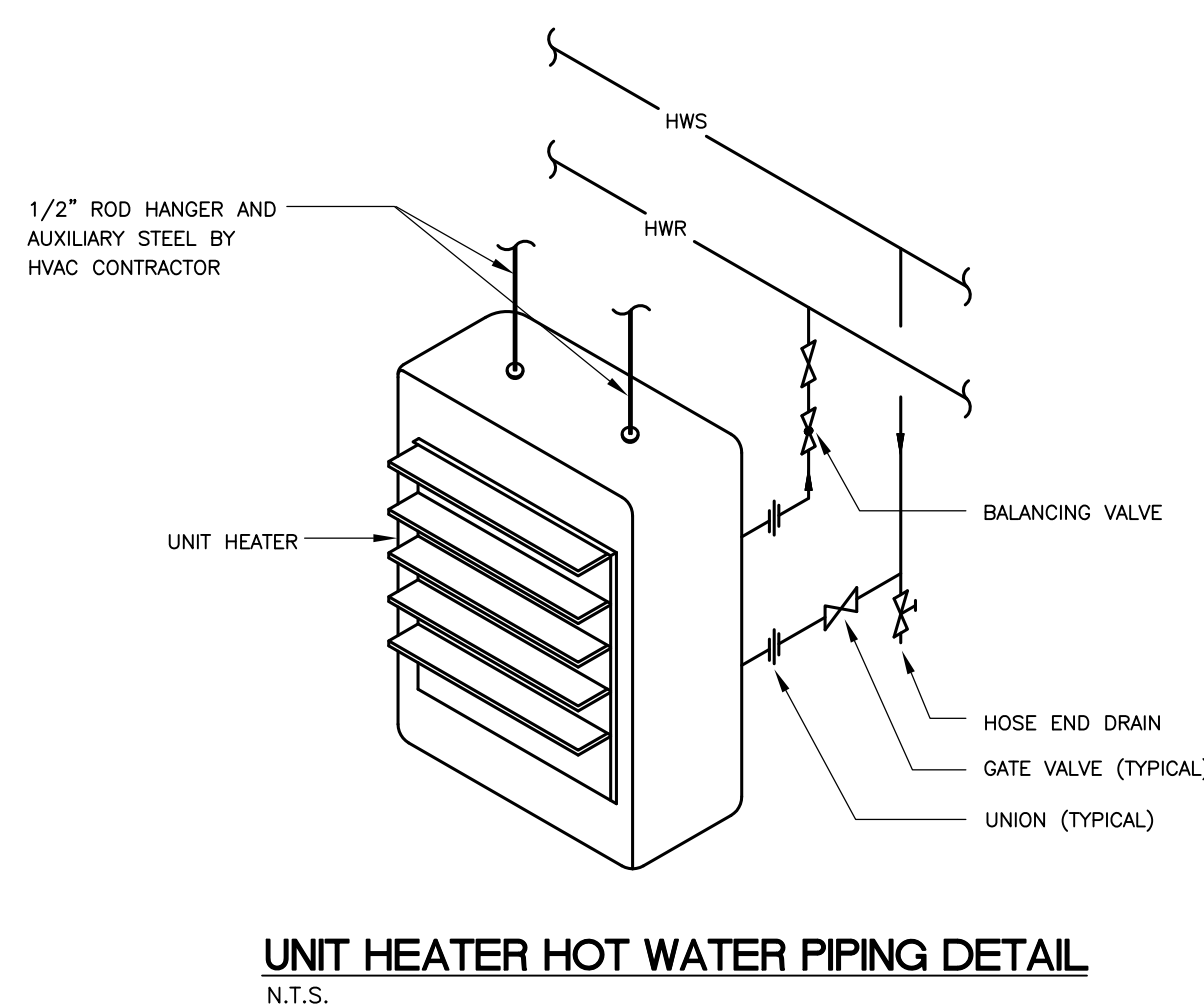
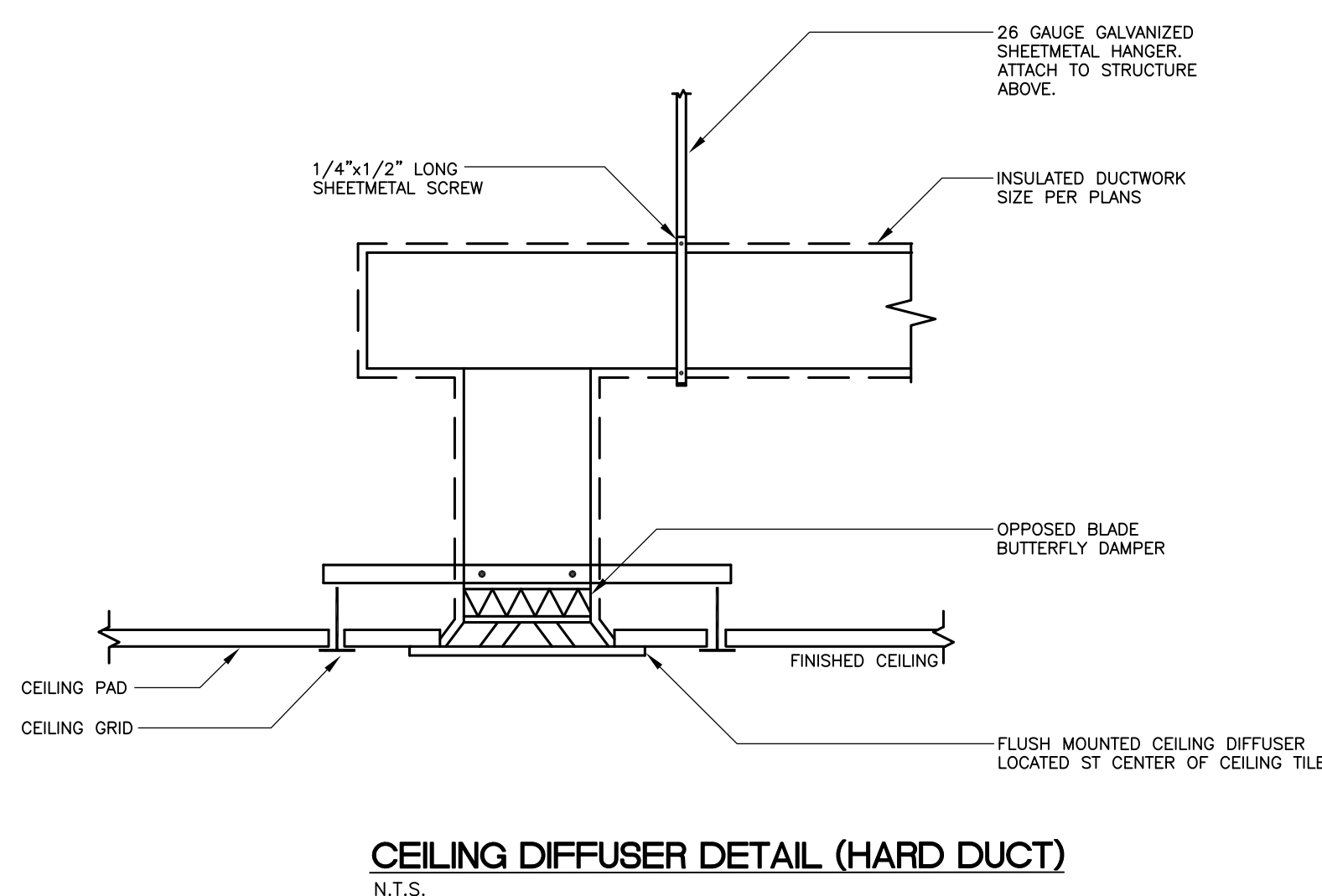
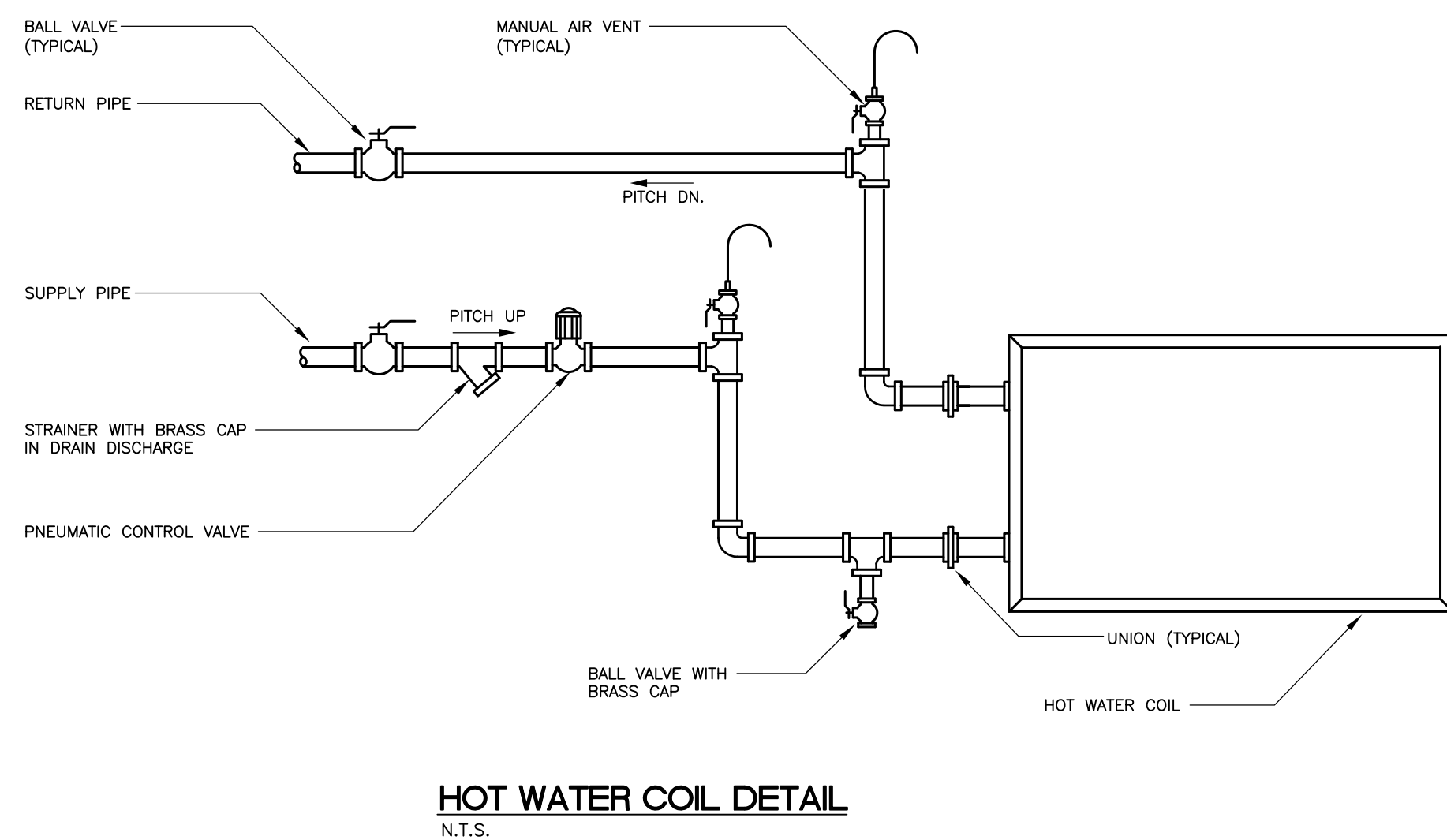
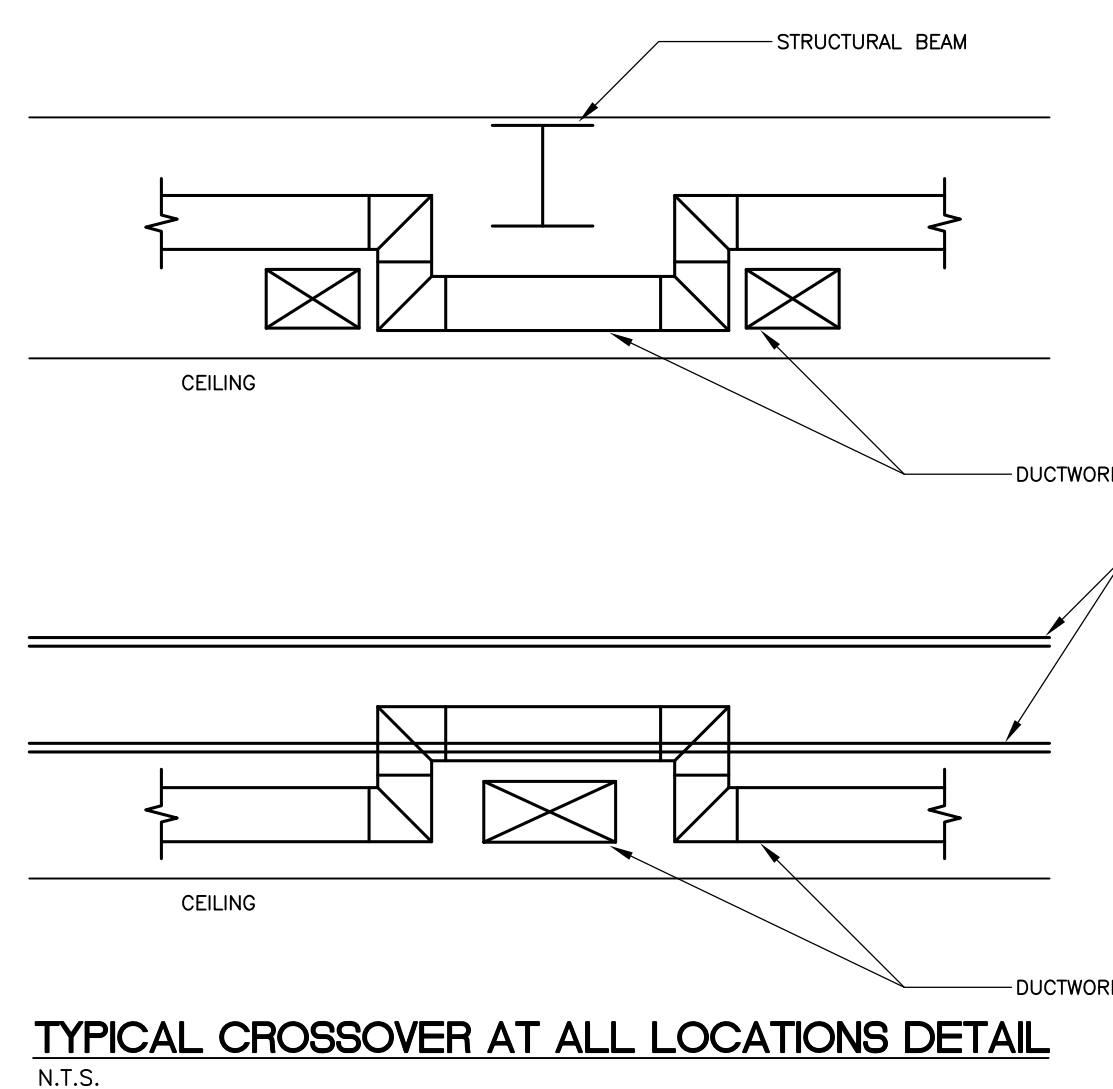
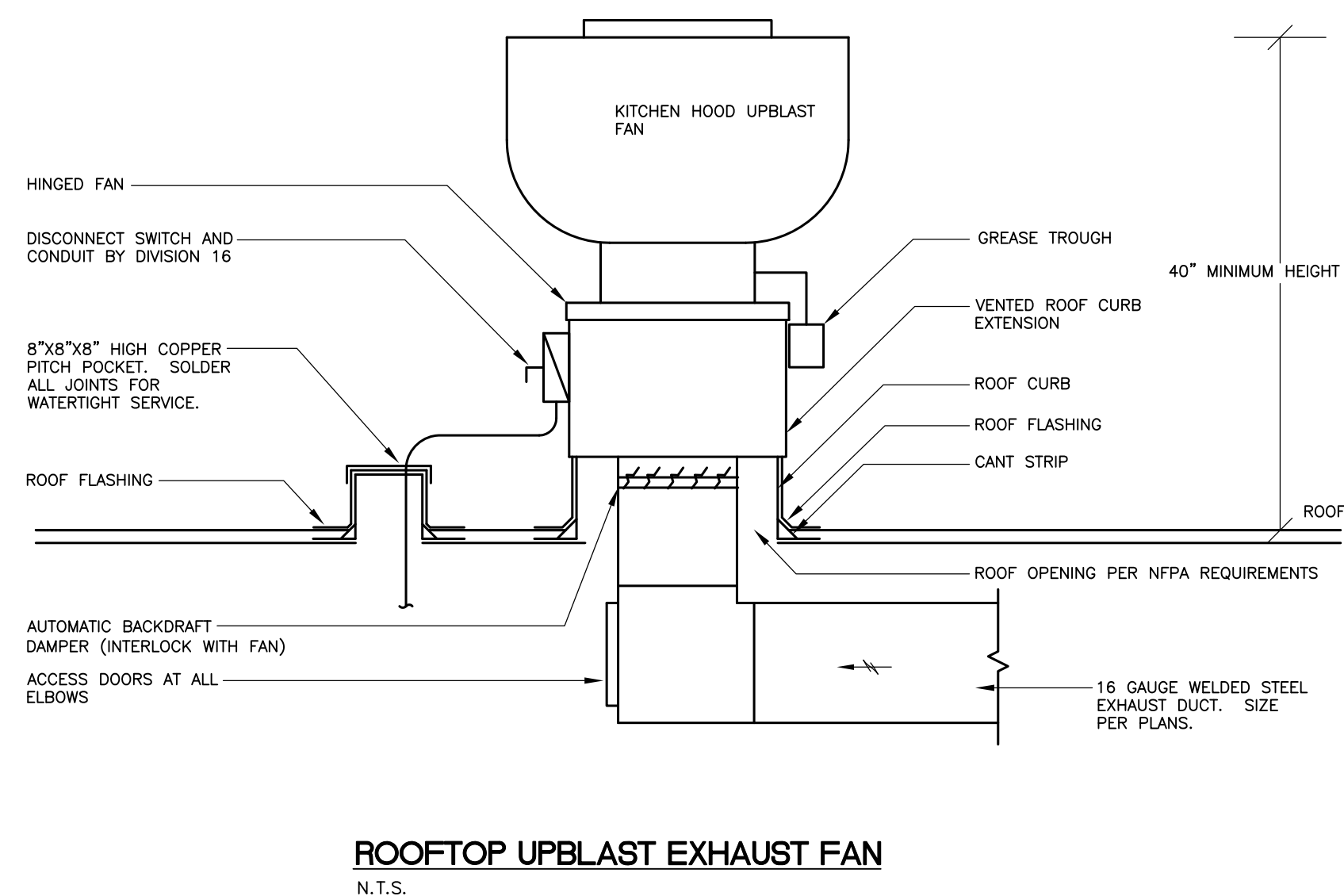
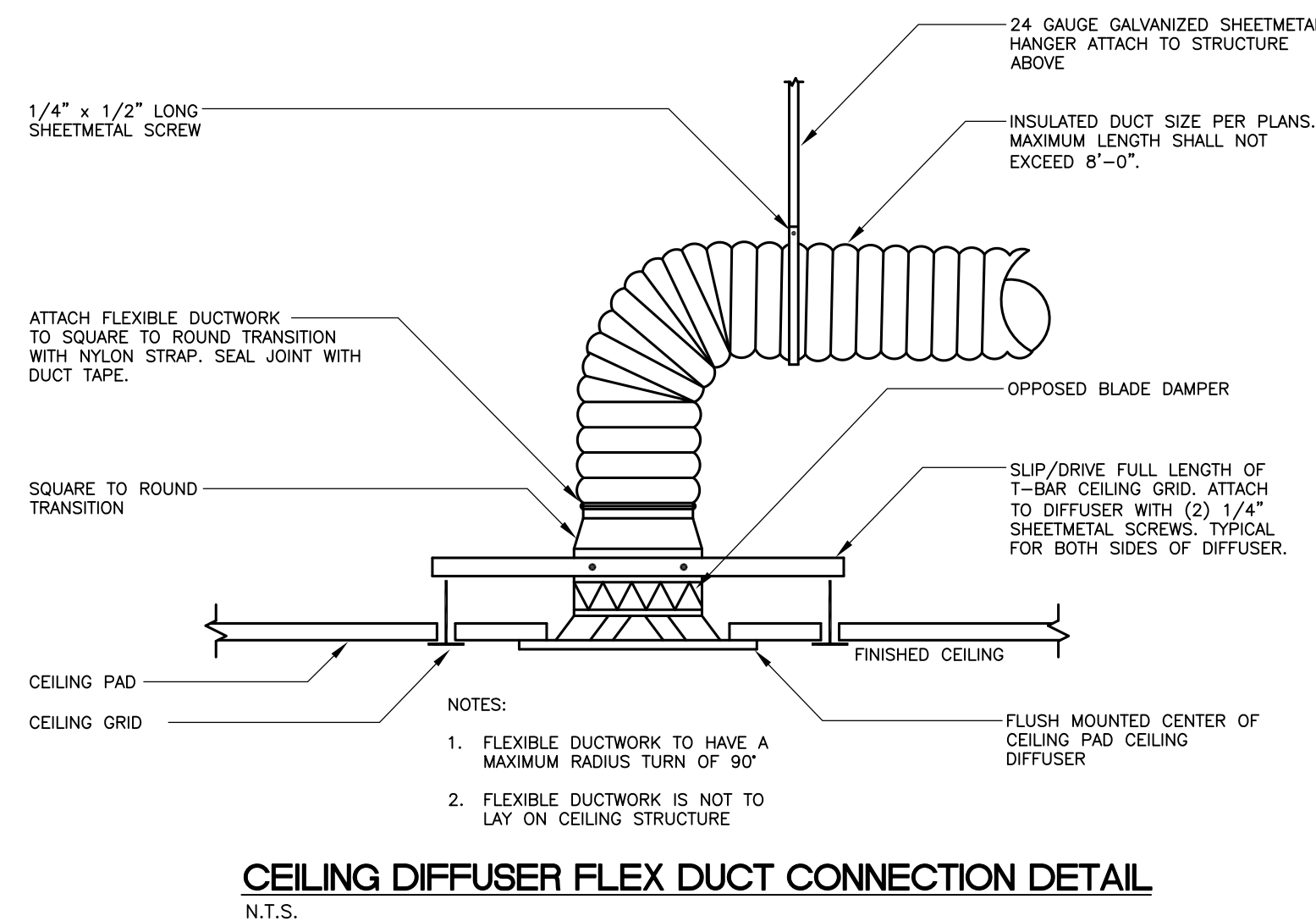
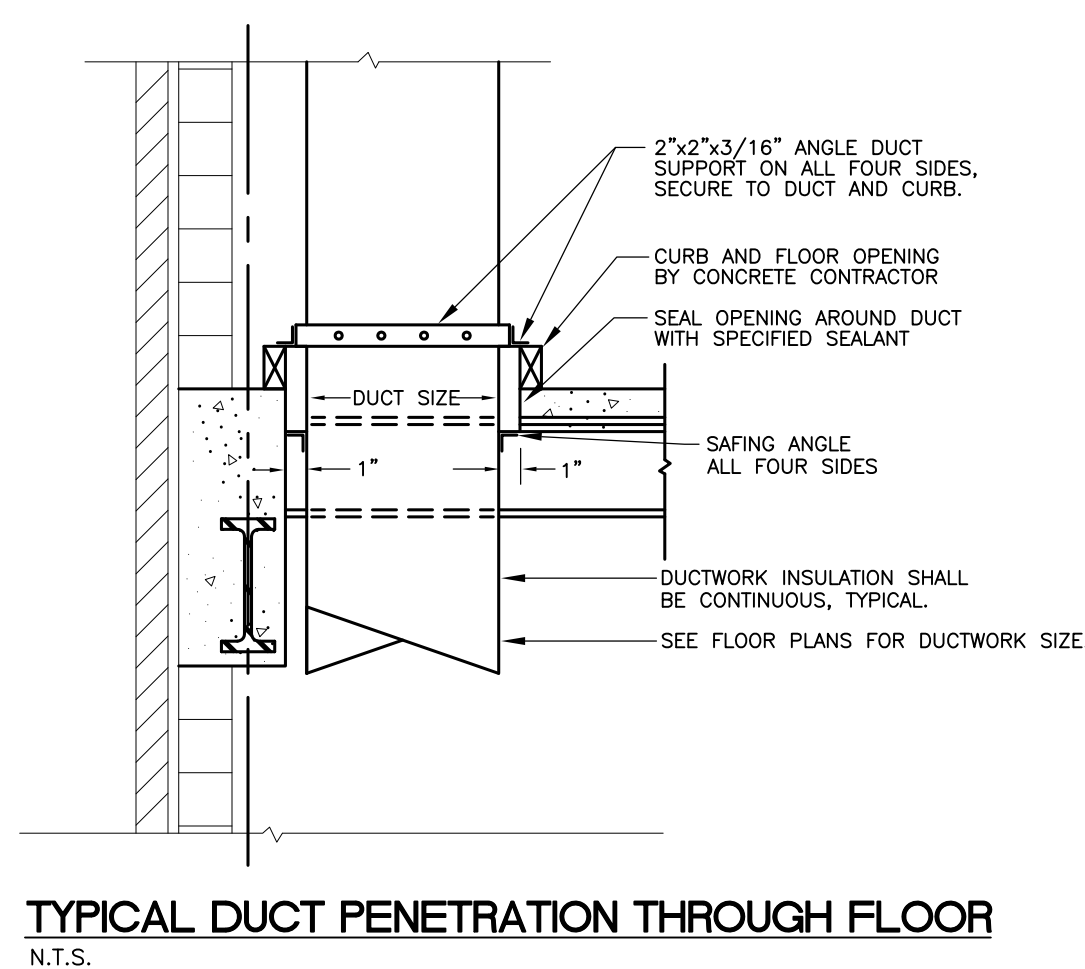
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PROJECT NUMBER: 1416244

DRAWING NAME: _____

ROOF MECHANICAL PLAN

M102



ARCHITECT



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SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

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SEAL

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PROJECT NUMBER: 1416244

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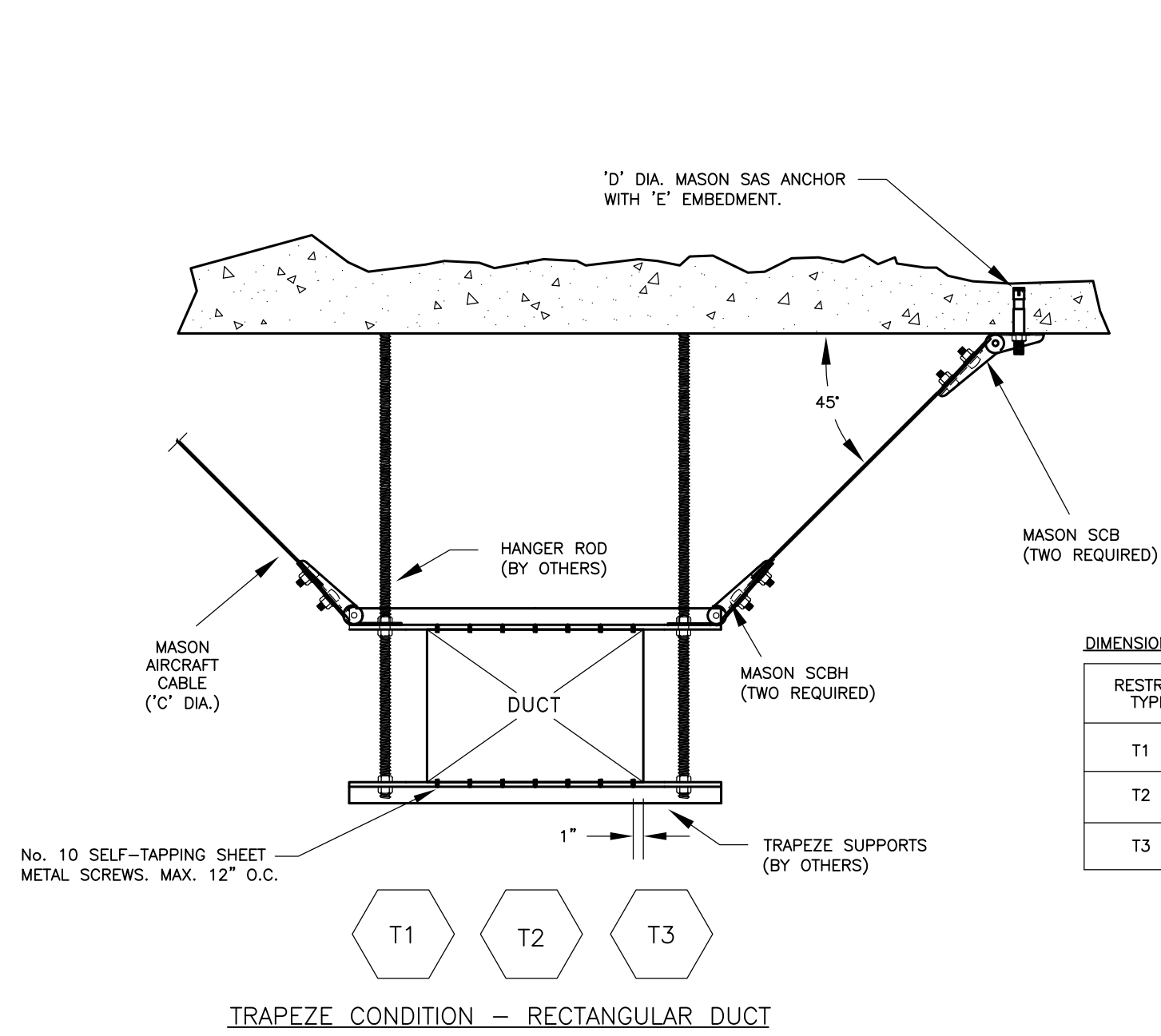
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MECHANICAL DETAILS

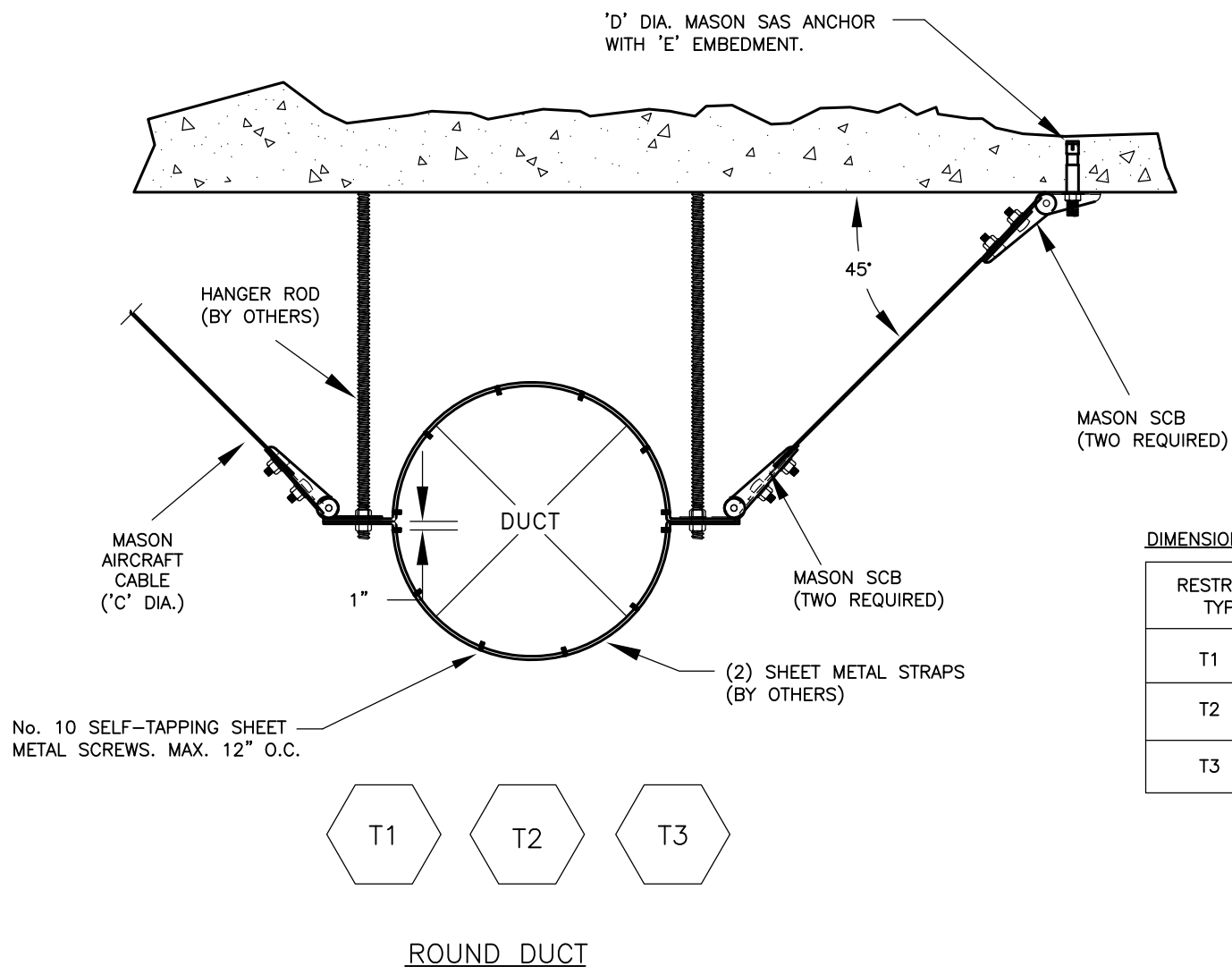
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M200

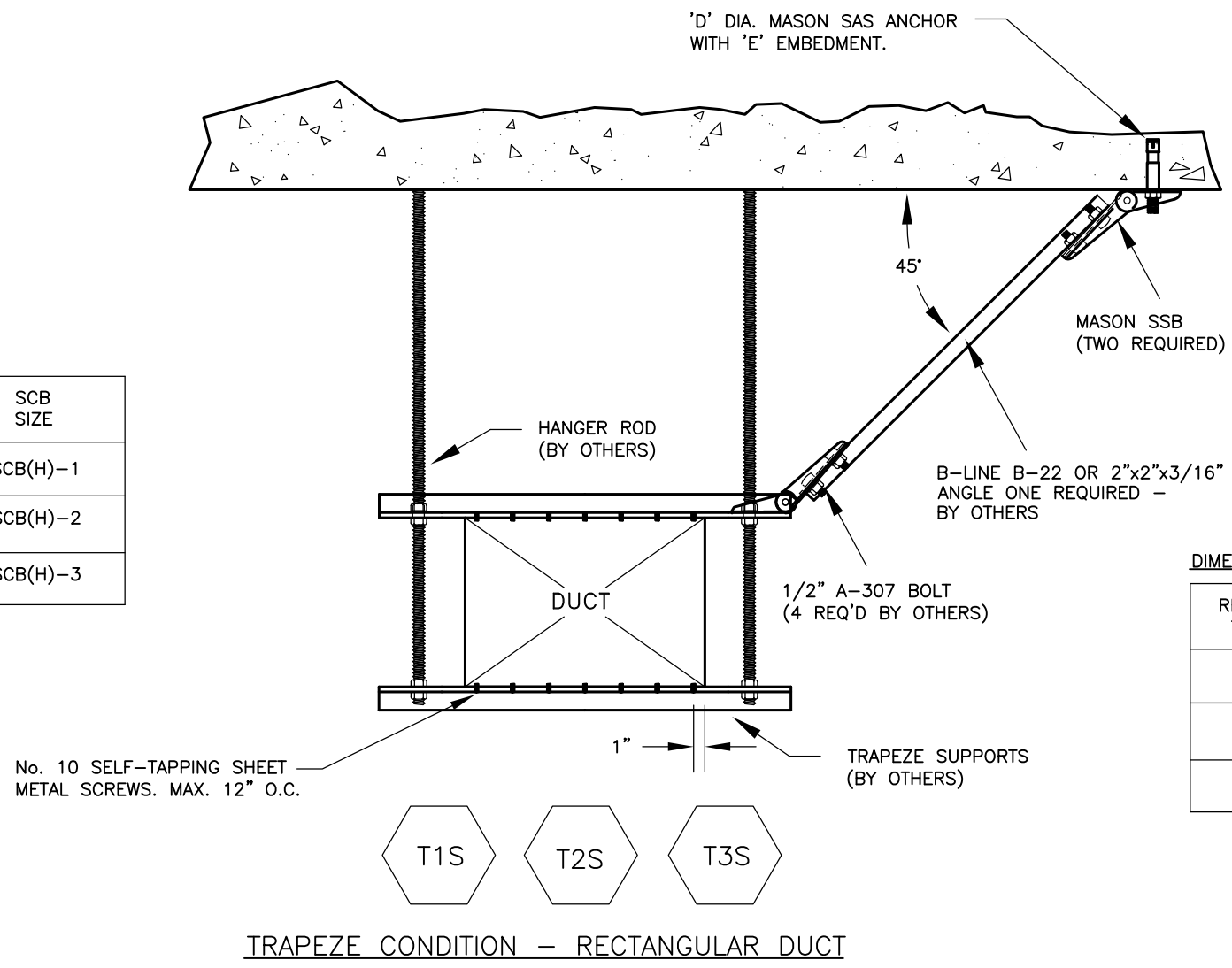
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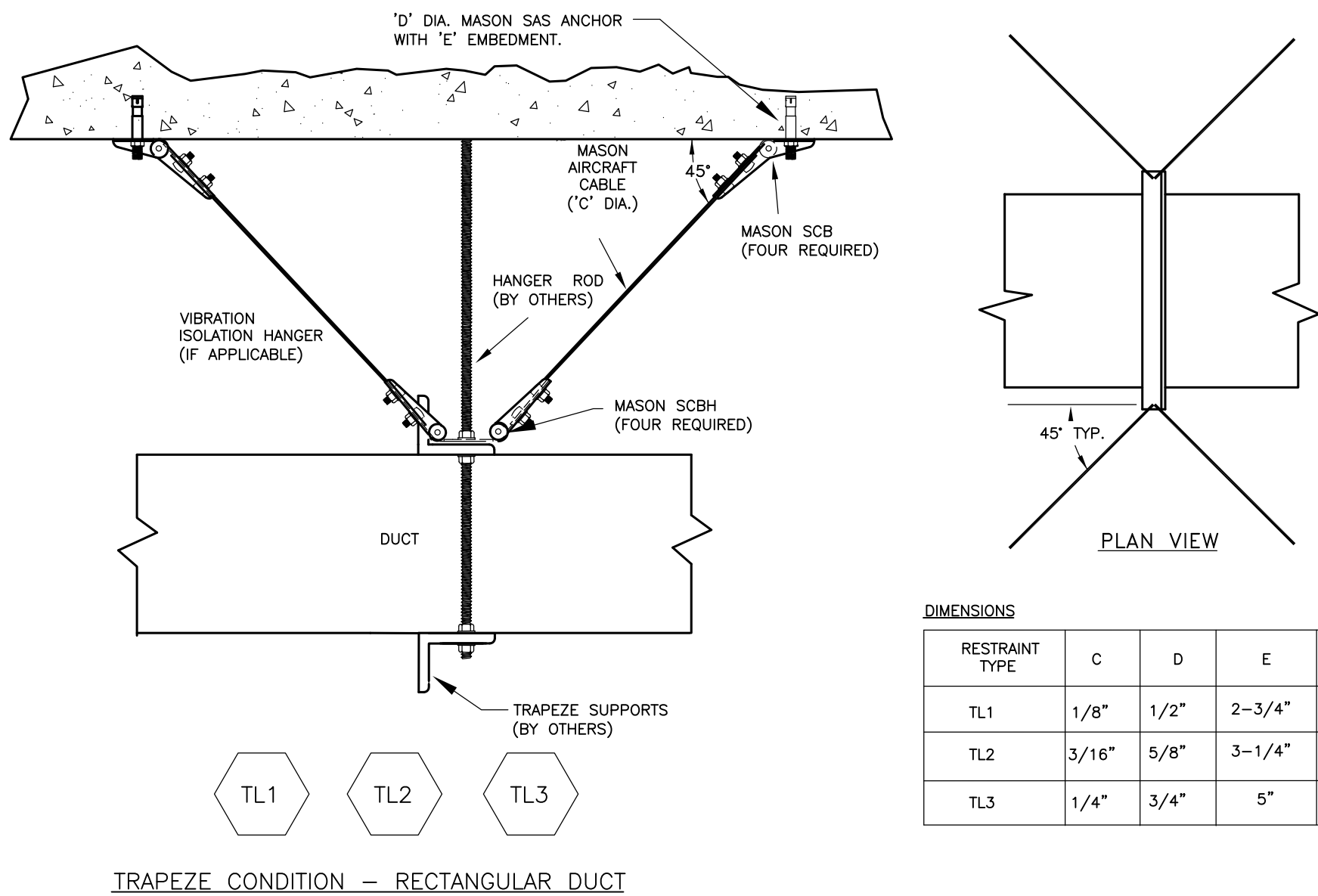
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T2	3/16"	5/8"	3-1/4"	SCB(H)-2
T3	1/4"	3/4"	5"	SCB(H)-3



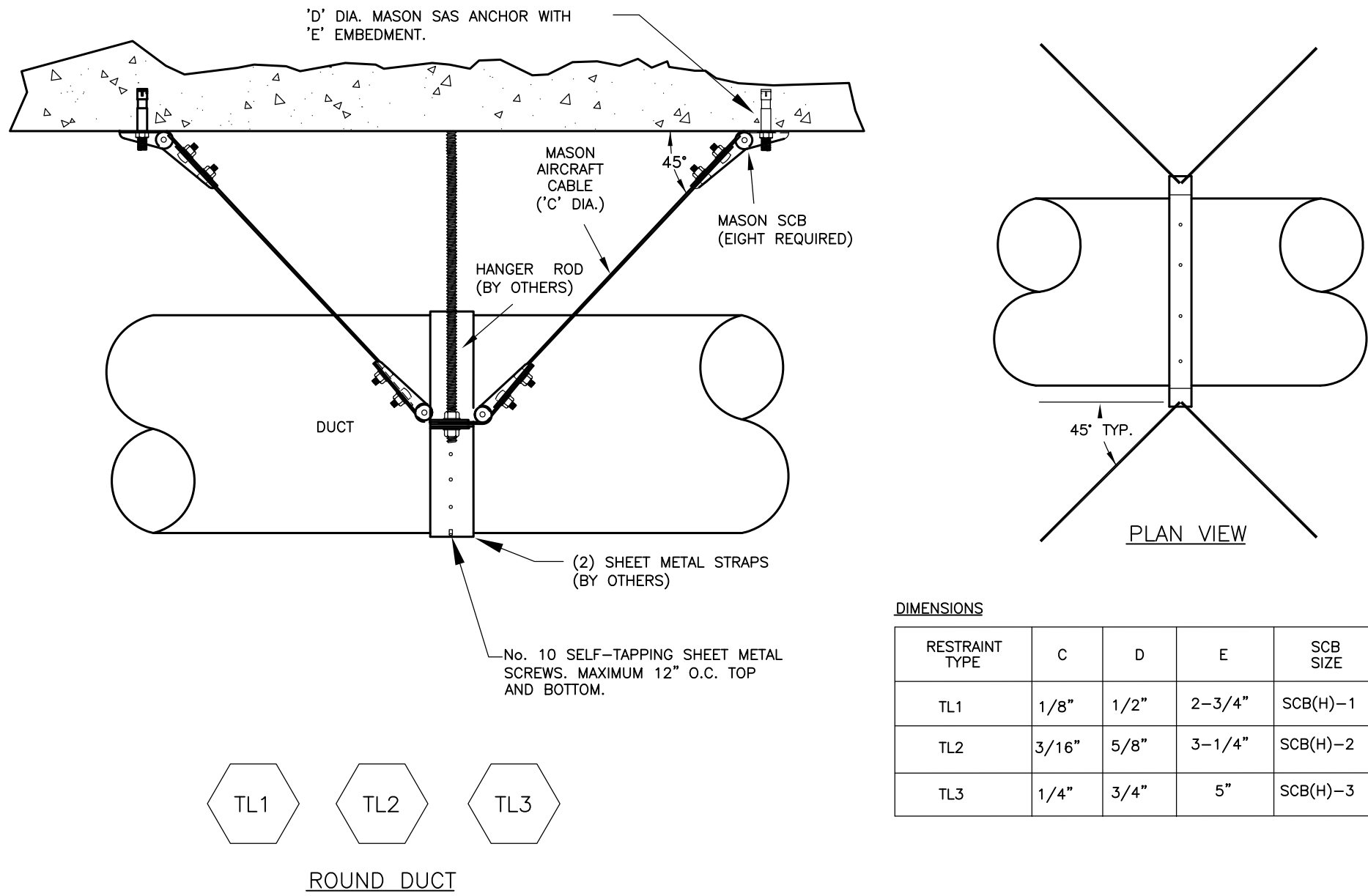
RESTRAINT TYPE	C	D	E	SCB SIZE
T1	1/8"	1/2"	2-3/4"	SCB(H)-1
T2	3/16"	5/8"	3-1/4"	SCB(H)-2
T3	1/4"	3/4"	5"	SCB(H)-3



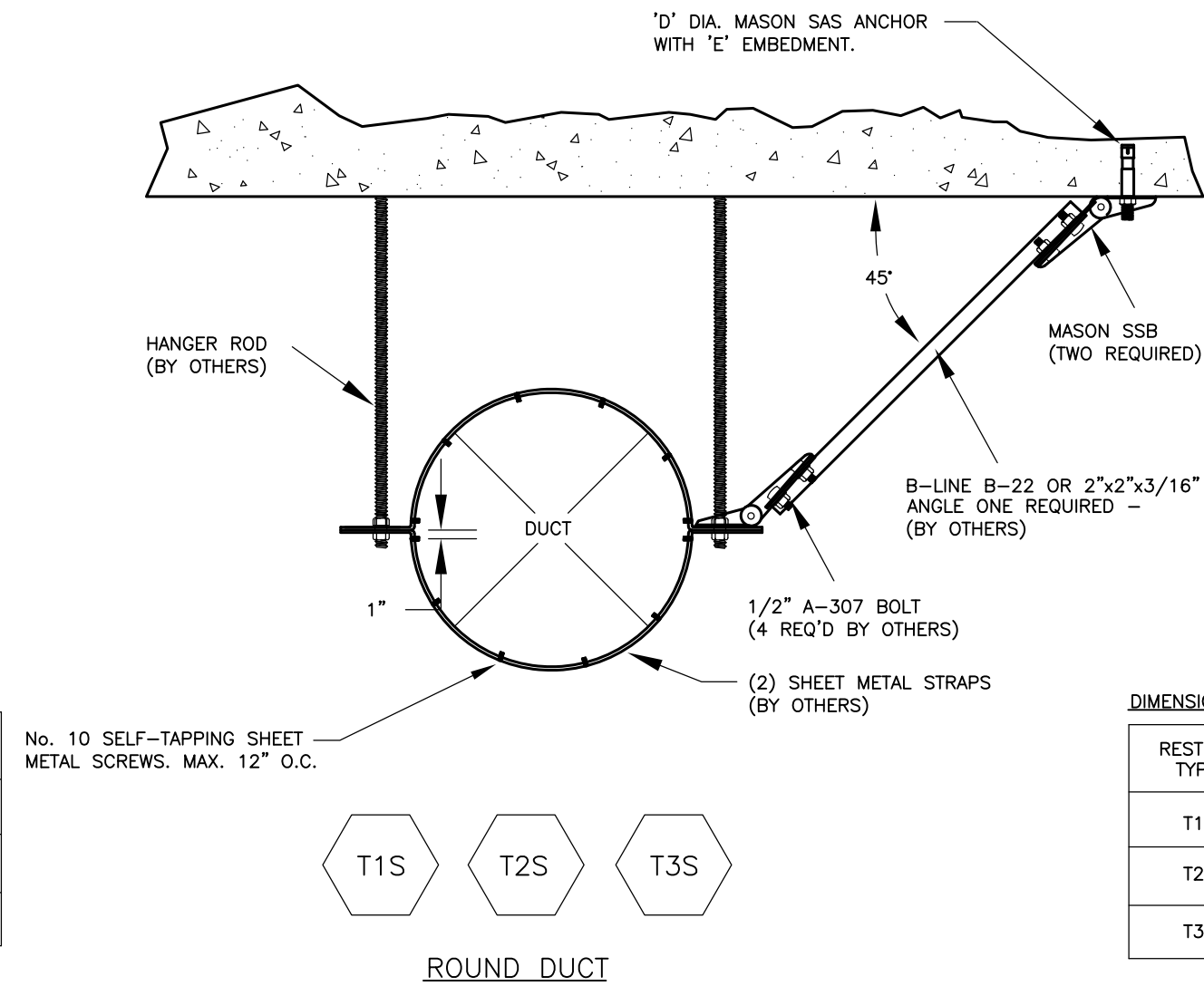
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T1S	1/2"	2-3/4"	SSB-1
T2S	5/8"	3-1/4"	SSB-2
T3S	3/4"	5"	SSB-3



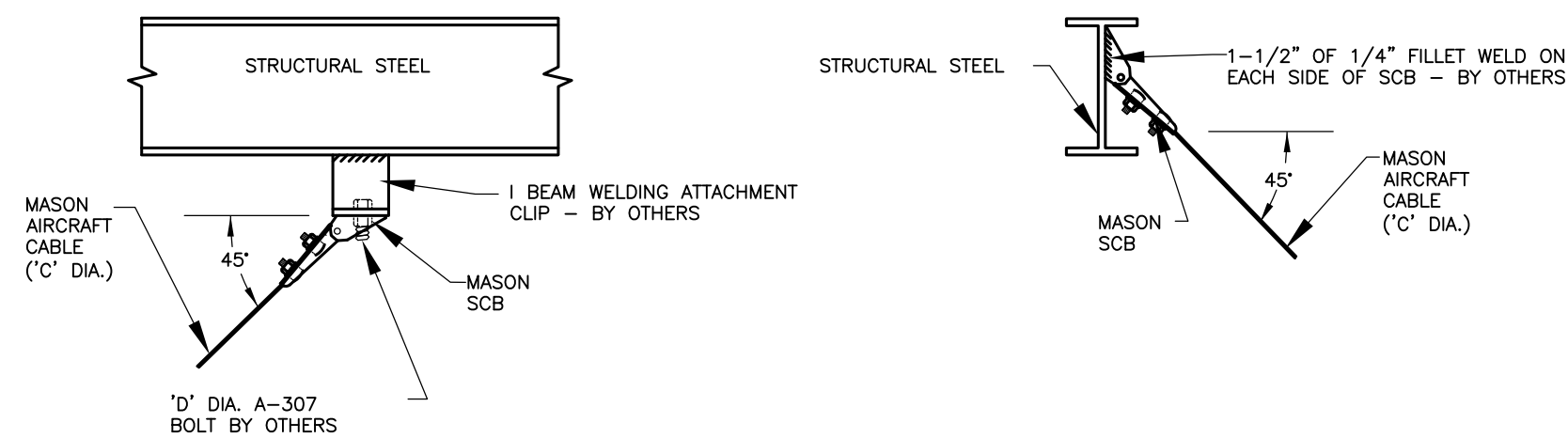
RESTRAINT TYPE	C	D	E	SCB SIZE
TL1	1/8"	1/2"	2-3/4"	SCB(H)-1
TL2	3/16"	5/8"	3-1/4"	SCB(H)-2
TL3	1/4"	3/4"	5"	SCB(H)-3



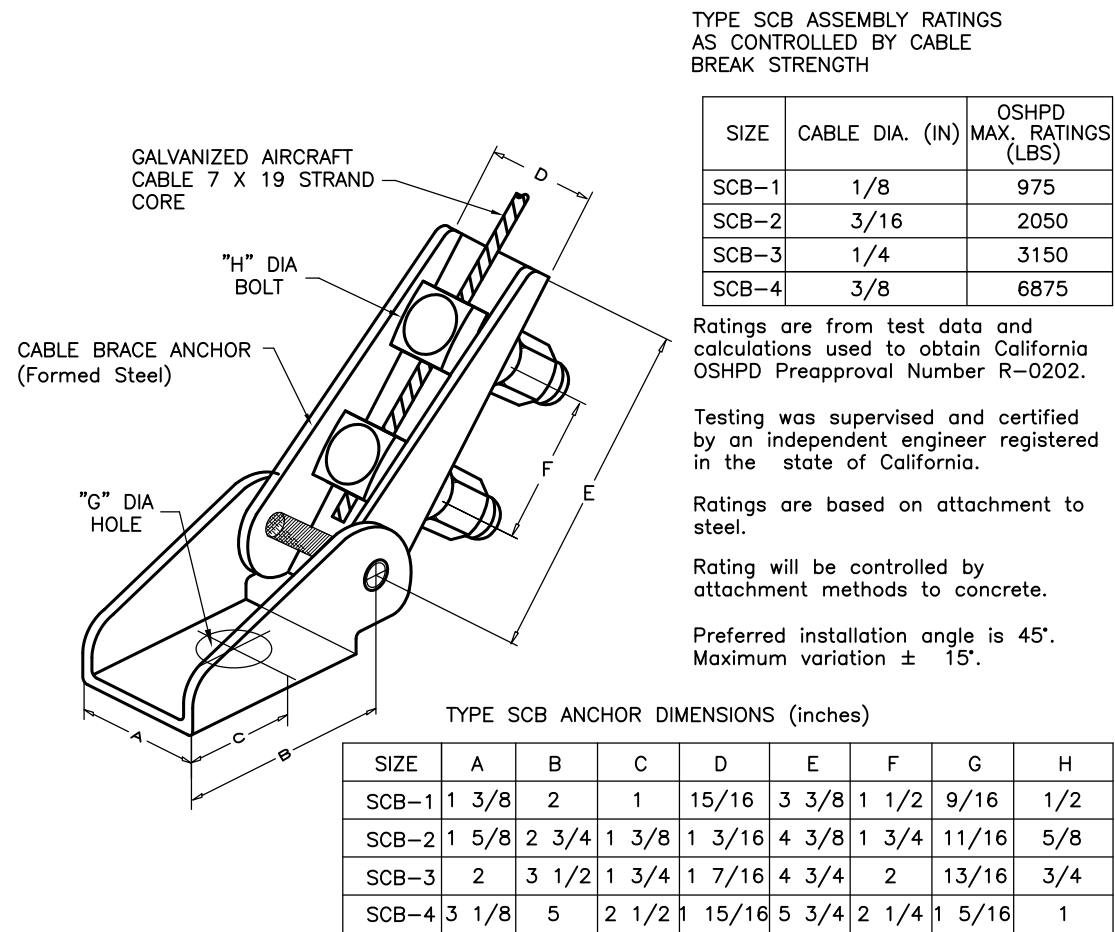
RESTRAINT TYPE	C	D	E	SCB SIZE
TL1	1/8"	1/2"	2-3/4"	SCB(H)-1
TL2	3/16"	5/8"	3-1/4"	SCB(H)-2
TL3	1/4"	3/4"	5"	SCB(H)-3



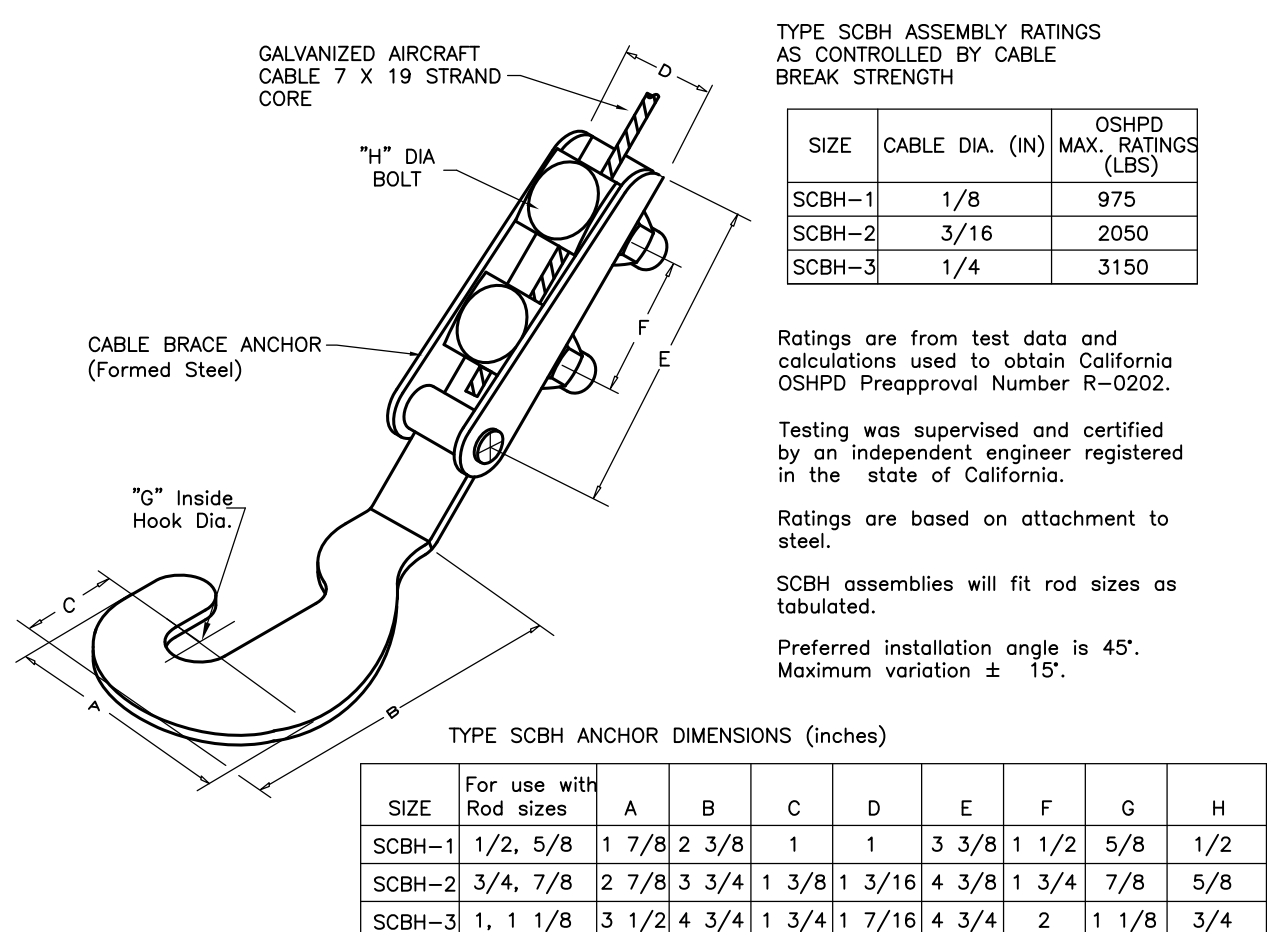
RESTRAINT TYPE	D	E	SSB SIZE
T1S	1/2"	2-3/4"	SSB-1
T2S	5/8"	3-1/4"	SSB-2
T3S	3/4"	5"	SSB-3



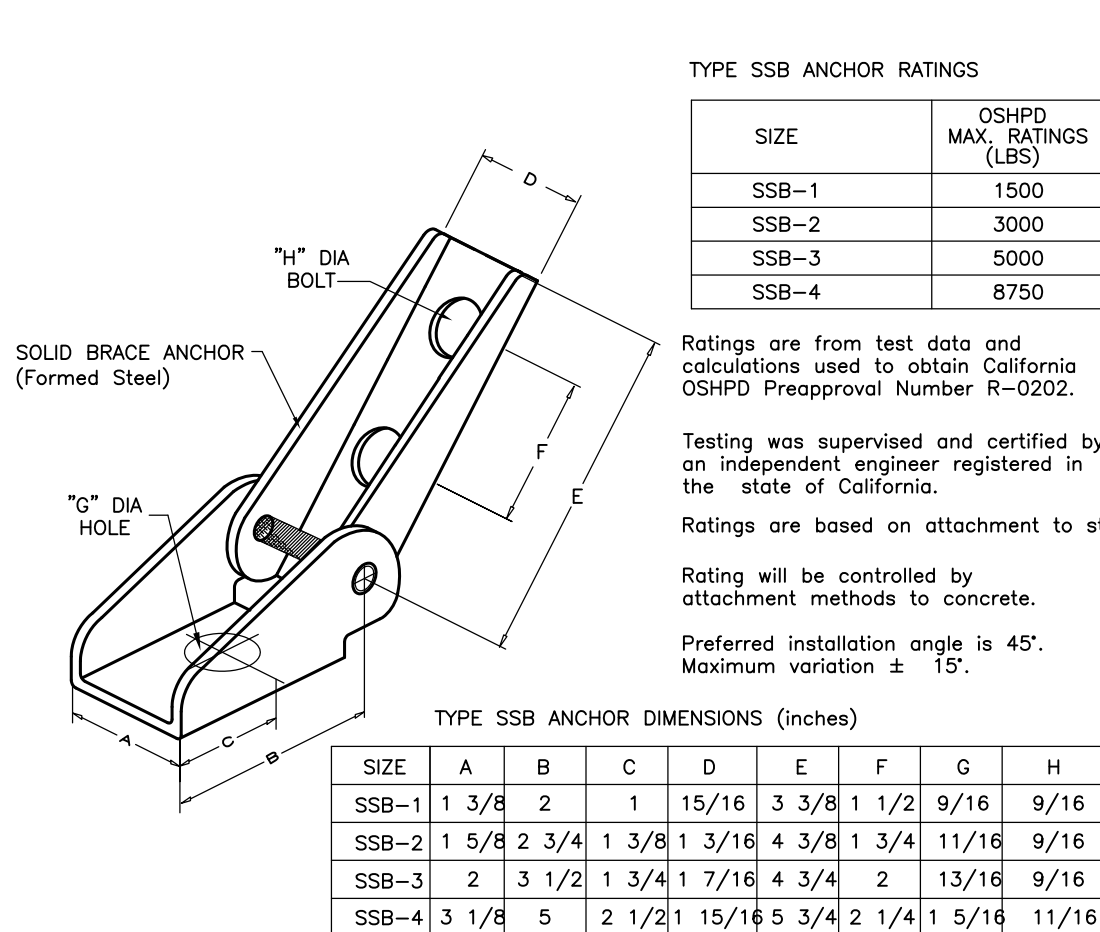
STEEL ATTACHMENT DETAILS



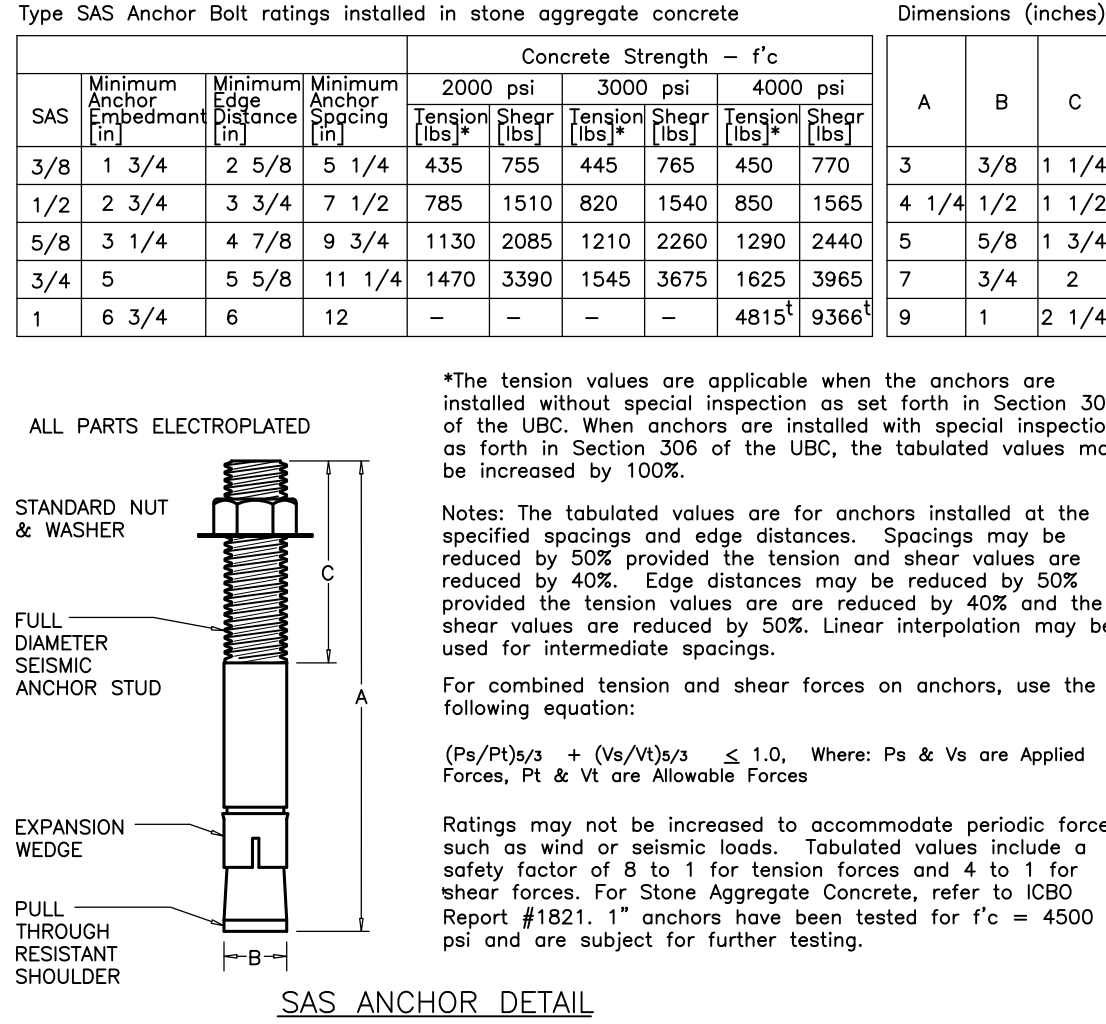
SCB DETAIL



SCBH DETAIL



SSB DETAIL



SAS ANCHOR DETAIL

Type SAS Anchor Bolt ratings installed in stone aggregate concrete										Dimensions (inches)		
SAS	Minimum Anchor Embedment (in)	Minimum edge distance (in)	Minimum Anchor Spacing (in)	Concrete Strength - f'c						A	B	C
				2000 psi		3000 psi		4000 psi				
				Tension (lbs)	Shear (lbs)	Tension (lbs)	Shear (lbs)	Tension (lbs)	Shear (lbs)			
3/8	1 3/4	2 5/8	5 1/4	435	755	445	765	450	770	3	3/8	1 1/4
1/2	2 3/4	3 3/4	7 1/2	785	1510	820	1540	850	1565	4 1/4	1/2	1 1/2
5/8	3 1/4	4 7/8	9 3/4	1130	2085	1210	2260	1290	2440	5	5/8	1 3/4
3/4	5	5 5/8	11 1/4	1470	3390	1545	3675	1625	3965	7	3/4	2
1	6 3/4	6	12	-	-	-	-	4815	9365	9	1	2 1/4

The tension values are applicable when the anchors are installed without special inspection as set forth in Section 306 of the UBC. When anchors are installed with special inspection as forth in Section 306 of the UBC, the tabulated values may be increased by 100%.


Notes: The tabulated values are for anchors installed at the specified spacings and edge distances. Spacings may be reduced by 50% provided the tension and shear values are reduced by 40%. Edge distances may be reduced by 50% provided the tension values are reduced by 40% and the shear values are reduced by 50%. Linear interpolation may be used for intermediate spacings.

For combined tension and shear forces on anchors, use the following equation:

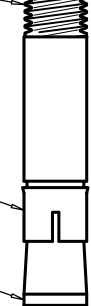
$$(P_u/P_t)^{2/3} + (V_u/V_t)^{2/3} \leq 1.0, \text{ Where: } P_u \text{ & } V_u \text{ are Applied Forces, } P_t \text{ & } V_t \text{ are Allowable Forces}$$

Ratings may not be increased to accommodate periodic forces such as wind or seismic loads. Tabulated values include a safety factor of 8 to 1 for tension forces and 4 to 1 for shear forces. For Stone Aggregate Concrete, refer to ICBO Report #1821. 1" anchors have been tested for f'c = 4500 psi and are subject for further testing.

STANDARD NUT & WASHER



FULL DIAMETER SEISMIC ANCHOR STUD




A

B

C

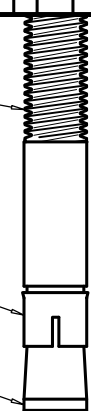
EXPANSION WEDGE



B

C

SAS ANCHOR DETAIL



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SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

PROJECT:

ISSUED FOR: BID

ISSUED DATE: 02.16.2018

DRAWN BY: IES

CHECKED BY: IES

PROJECT NUMBER: 1416244

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DRAWING NAME:

MECHANICAL DETAILS

DRAWING NO.

M202

ADD ALTERNATE #1 - PUMP SCHEDULE													
SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	SYSTEM SERVED	WATER/ GLYCOL	CAPACITY GPM	CAPACITY FT OF HEAD	WATER TEMP (°F)	FLANGE S/D	ELECTRICAL DATA	POWER HP/BHP	MOTOR SPEED	NOTES
CHWP-1	BELL & GOSSETT E-99 4x4x9.58	IL	MECHANICAL ROOM	CHILLED WATER	WATER	318	52	44	7.5/7.5	208/3/60	7.5/5.74	1800	1,2,3,4
<div>TYPES: IL = IN-LINE PUMP FM = FLOOR MOUNTED</div> <div>NOTES: 1. PROVIDE WITH VARIABLE FREQUENCY DRIVE (VFD). 2. PROVIDE WITH DIFFERENTIAL PRESSURE SENSOR. 3. PROVIDE WITH STRAINER, CHECK VALVE AND SHUT-OFF VALVES (SEE DETAIL ON M201). 4. PROVIDE WITH DISCONNECT SWITCH.</div>													

HOT WATER UNIT HEATER SCHEDULE												
SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	COIL CAPACITY MBH	COIL FLOW GPM	WATER P.D. FT	EWI (DEG F)	LWT (DEG F)	CFM	OUTLET VELOCITY (FPM)	ELECTRICAL DATA HP-VOLT-PH	NOTES
UH-1	DAIKIN UHH-86	H	LOADING DOCK	61,900	6.2	0.79	200	180	1,340	710	1/10-215-1	1,2,3
H = HORIZONTAL NOTES: 1. TOTALLY ENCLOSED MOTOR WITH BUILT-IN THERMAL OVERLOAD PROTECTION. 2. INTERMITTENT FAN OPERATION CONTROL VIA THERMOSTAT (60 DEG F, FIELD ADJUSTABLE). 3. PROVIDE WITH DISCONNECT SWITCH.												

SEQUENCE OF OPERATION

GENERAL

A. PROVIDE ALL CONTROLS, LOW VOLTAGE CONTROL WIRING AND ACCESSORIES NECESSARY TO ACCOMPLISH THE SEQUENCE OF OPERATION AS INDICATED BELOW. POWER WIRING SHALL BE PROVIDED BY DIVISION 16.

KEF-1-4, KEF-5, KEF-6, KEF-7

1. DURING KITCHEN HOOD OPERATION, KITCHEN EXHAUST FANS SHALL RUN CONTINUOUSLY AT DESIGN EXHAUST CFM. EACH FAN SHALL BE INTERLOCKED WITH ITS ASSOCIATED MAKE-UP AIR UNIT.

KEF-8, KEF-9

1. DURING OPERATION, DISHWASHER AND HEARTH OVEN EXHAUST FANS SHALL RUN CONTINUOUSLY AT DESIGN EXHAUST CFM.

MAU-1-4, MAU-5, MAU-6, MAU-7

1. DURING KITCHEN HOOD OPERATION, MAKE-UP AIR UNITS SHALL RUN CONTINUOUSLY AT DESIGN MAKE-UP AIR CFM. EACH MAU SHALL BE INTERLOCKED WITH ITS ASSOCIATED KITCHEN EXHAUST FAN.

EUH-1, EUH-2

1. ELECTRIC UNIT HEATERS SHALL MAINTAIN DESIRED SPACE TEMPERATURE SETTING VIA INTEGRAL THERMOSTATS.

HC-1, HC-2, HC-3

1. UPON CALL FOR HEATING, SPACE PNEUMATIC THERMOSTATS SHALL MODULATE HEATING COIL CONTROL VALVE TO MAINTAIN DESIRED SPACE TEMPERATURE.

UH-1

1. UPON CALL FOR HEATING, SPACE THERMOSTAT SHALL OPERATE UH-1 FAN UNTIL DESIRED SPACE TEMPERATURE IS REACHED. HOT WATER SHALL CONTINUOUSLY CIRCULATE THROUGH UH-1 HEATING COIL IN ORDER TO PREVENT FREEZING.

ADD ALTERNATE #1: CHWP-1

1. DURING COOLING SEASON, VARIABLE SPEED, CHILLED WATER BOOSTER PUMP SHALL MAINTAIN DIFFERENTIAL PRESSURE (FIELD DETERMINED) BETWEEN PUMP DISCHARGE AND COOLING COIL CONTROL VALVE.

EXISTING AIR HANDLING UNIT, AC-1

1. REFER TO EXISTING SEQUENCE OF OPERATION, RE-BALANCE MAXIMUM OUTDOOR AIR AS SPECIFIED IN PLANS.

GRILLE, DIFFUSER AND REGISTER SCHEDULE								
SYMBOL	MANUFACTURER MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION			NOTES
					OBJD	FRAME	BLADES	
S1	TITUS TDCA	SUPPLY	D.D.	TYPE 3 LAY-IN	ALUMINUM	ALUMINUM	ALUMINUM	1,2,4
S2	TITUS FL-15-JT	SUPPLY	L.S.	TYPE 22	ALUMINUM	ALUMINUM	ALUMINUM	2,5
S3	TITUS S300FL	SUPPLY	S.W.	RADIUS	ALUMINUM	ALUMINUM	ALUMINUM	2,3,4
S4	TITUS FL-10-JT	SUPPLY	L.S.	TYPE 22	ALUMINUM	ALUMINUM	ALUMINUM	2,5
R1	TITUS PAR	RETURN	P.F.	TYPE 3 LAY-IN	ALUMINUM	ALUMINUM	ALUMINUM	2,4
R2/T1/E1	TITUS 350FL	RETURN/ TRANSFER	L.F.	TYPE 1 SURFACE MOUNT	ALUMINUM	ALUMINUM	ALUMINUM	2,4


TYPES:
L.S. = LINEAR SLOT
D.B. = DIRECTIONAL DIFFUSER
L.F. = LOWVEURED FACE
S.C. = SIDE WALL
P.F. = PERFORATED FACE

NOTES:
1. OPPOSED BLADE DAMPER.
2. FACE VELOCITY 600 FPM MAX.
3. DOUBLE DEFLECTION (ADJUSTABLE).
4. NO LEVEL NOT TO EXCEED 25.
5. INSULATED PLENUM BOX.

DESIGNATIONS:

SYMBOL

NECK
SIZE




TYPICAL RDG

FLOW
(CFM)

S1-150
6"

SLOT
WIDTH



LINEAR SLOT

QTY. OF
SLOTS

S1-150
1.0"-4"

SYMBOL	MANUFACTURER MODEL NUMBER	LOCATION	SERVING	TYPE	AIR FLOW CFM	ESP IN. WS.	FAN RPM	DRIVE	CONTROL	BHP (W)	HP (W)	ELECTRICAL V-PH-RPM	SONES (LWA)	NOTES
KEF-1-4	CAPTIVEAIRE NCA36FA	ROOF	HOOD #1-4	UPBLAST	9,463	1.4	587	BELT	SWITCH	4.457	7.5	208-3-1750	22.0	1,2,3,4,5,6,7,8,9
KEF-5	CAPTIVEAIRE NCA16FA	ROOF	HOOD #5	UPBLAST	3,623	1.2	1241	BELT	SWITCH	1.436	2.0	208-3-1700	18.3	1,2,3,4,5,6,7,8,9
KEF-6	CAPTIVEAIRE NCA24FA	ROOF	HOOD #6	UPBLAST	4,118	1.2	800	BELT	SWITCH	1.766	3.0	208-3-1730	15.1	1,2,3,4,5,6,7,8,9
KEF-7	CAPTIVEAIRE NCA16FA	ROOF	HOOD #7	UPBLAST	3,180	1.2	1167	BELT	SWITCH	1.215	1.5	208-3-1710	14.6	1,2,3,4,5,6,7,8,9
KEF-8	GREENHECK USGF-140HP-4	ROOF	HEARTH OVEN	UPBLAST	685	1.0	1388	BELT	SWITCH	0.250	0.25	208-1-1725	13.1	1,2,3,4,5,6,7,8,10
KEF-9	GREENHECK USGF-140HP-4	ROOF	DISHWASHER	UPBLAST	600	0.6	1124	BELT	SWITCH	0.140	0.25	208-1-1725	8.0	1,2,3,4,5,6,7,8,11

NOTES:
1. PROVIDE WITH UNIT MOUNTED DISCONNECT SWITCH.
2. PROVIDE WITH NEMA PREMIUM EFFICIENCY MOTOR.
3. PROVIDE WITH CLEANOUT PORT.
4. PROVIDE WITH WIRING PIGTAIL.
5. PROVIDE WITH ROOF CURB.
6. PROVIDE FAN WITH HINGED CURB CAP.
7. PROVIDE GREASE TROUGH WITH DRAIN CONNECTION.
8. PROVIDE WITH THERMAL OVERLOAD PROTECTION.
9. INTERLOCK EXHAUST FAN WITH ASSOCIATED MAKE-UP AIR UNIT & EXISTING FIRE ALARM SYSTEM.
10. INTERLOCK EXHAUST FAN WITH HEARTH OVEN OPERATION & EXISTING FIRE ALARM SYSTEM.
11. INTERLOCK EXHAUST FAN WITH DISHWASHER OPERATION & EXISTING FIRE ALARM SYSTEM.

MAKE-UP AIR UNIT SCHEDULE															
SYMBOL	MANUFACTURER MODEL NUMBER	LOCATION	SERVING	CFM	MINIMUM CFM O.A.	ESP IN. WG	EAT DEG F°	LAT DEG F°	THERMAL EFFICIENCY %	HEATING SOURCE	HEATING CAPACITY MBH INPUT/OUTPUT	FILTER TYPE # / SIZE	OPERATING WEIGHT LBS.	ELECTRICAL DATA HP-VOLT-PH	NOTES
MAU-1-4	GREENHECK DOX-P120-H32	ROOF	HOODS #1-4	7,580	7,580	0.50	0°F	70°F	92.0	NATURAL GAS	622.9/573	10/20x25x2	1,515	7.5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13
MAU-5	GREENHECK DOX-P114-H12	ROOF	HOOD #5	2,898	2,898	0.75	0°F	70°F	92.0	NATURAL GAS	238.1/219.1	4/16x20x2	834	5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13
MAU-6	GREENHECK DOX-P114-H22	ROOF	HOOD #6	3,336	3,336	0.50	0°F	70°F	92.0	NATURAL GAS	274.1/252.2	6/20x20x2	1,148	5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13
MAU-7	GREENHECK DOX-P114-H12	ROOF	HOOD #7	2,480	2,480	0.50	0°F	70°F	92.0	NATURAL GAS	203.8/187.5	4/16x20x2	782	1.5-208-3	1,2,3,4,5,6,7,8,9, 10,11,12,13
NOTES: 1. PROVIDE WITH UNIT MOUNTED DISCONNECT SWITCH. 2. PROVIDE WITH NEMA PREMIUM EFFICIENCY MOTOR. 3. PROVIDE INTAKE END WEATHERHOOD WITH ALUMINUM MESH SCREEN. 4. PROVIDE WITH INLET DAMPER. 5. PROVIDE WITH SEISMIC ROOF CURB. 6. PROVIDE UNIT WITH DOUBLE WALL INSULATION. 7. PROVIDE UNIT WITH HINGED ACCESS. 8. PROVIDE UNIT WITH VFD CONTROL. 9. PROVIDE WITH DIRTY FILTER SWITCH. 10. PROVIDE WITH DISCHARGE AIR TEMPERATURE SENSOR. 11. PROVIDE WITH REMOTE KITCHEN CONTROL PANEL. 12. PROVIDE WITH MINIMUM MERV 13 AIR FILTERS. 13. INTERLOCK MAKE-UP AIR UNIT WITH ASSOCIATED KITCHEN EXHAUST FAN.															

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	AIR FLOW	BTUH	ELECTRIC DATA AMPS--V--PH	NOTES
EUH-1	QMARK MUH0321	S	BASEMENT NEW SPRINKLER ROOM	350	7,500	11.0-208-1	1,2
EUH-2	QMARK CWH11510SAF	R	VESTIBULE	65	5,120	12.5-120-1	1,2

UNIT HEATER TYPES:
 S - SUSPENDED
 R - RECESSED
 NOTES:
 1. PROVIDE WITH INTERNAL THERMOSTAT.
 2. PROVIDE WITH DISCONNECT SWITCH.

HOT WATER REHEAT COIL SCHEDULE												
SYMBOL	MANUFACTURER MODEL NUMBER	AREA SERVED	TYPE	AIR FLOW (CFM)	TOTAL CAPACITY MBH	EAT DEG F° DB	LAT DEG F° DB	WATER FLOW GPM	WATER P.D. FT. HD	EWI/LWT DEG F°	AIR P.D. IN. WG	NOTES
HC-1	MCQUAY BOOSTER COIL	STORAGE/ DISHWASHING	DM	980	29.7	57	85	3.0	0.50 MAXIMUM	160/140	0.40 MAXIMUM	1.2
HC-2	MCQUAY BOOSTER COIL	EXISTING DINING AREA	DM	4,100	124.5	57	85	12.5	0.50 MAXIMUM	160/140	0.40 MAXIMUM	1.2
HC-3	MCQUAY BOOSTER COIL	NEW ADDITION	DM	3,600	109.4	57	85	11.0	0.50 MAXIMUM	160/140	0.40 MAXIMUM	1.2

UNIT HEATER TYPES:
DM = DUCT MOUNTED

NOTES:
1. PROVIDE WITH PNEUMATIC CONTROL VALVE. CONNECT TO EXISTING BMS.
2. COIL FACE VELOCITY 750 FPM MAXIMUM.
3. PROVIDE WITH MANUAL AIR VENTS (SEE DETAIL ON M200)

ABBREVIATIONS	
AFI	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AMP	AMPERE (AMP, AMPS)
BAL	BALANCE
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CLG	COOLING
CU	CONDENSING UNIT
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EWI	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	DEGREES FAHRENHEIT
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FFM	FEET PER MINUTE
FEET	FEET
FTR	FIN TUBE RADIATION
GPM	GALLONS PER MINUTE
HWC	HOT WATER COIL
HSP	HORSE POWER
HTR	HEATING RETURN (HOT WATER)
HTS	HEATING SUPPLY (HOT WATER)
HTG	HEATING
HZ	FREQUENCY
IN	INCH
IN. WG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LW	LEAVING WATER TEMPERATURE
MBH	BTU PER HOUR (THOUSAND)
N.T.S.	NOT TO SCALE
OD	OUTSIDE AIR
OED	OPEN END DUCT
PD	PRESSURE DROP
PSI	PHASE
PSI	POUNDS PER SQUARE INCH
RDG	REGISTER DIFFUSER GRILLE
RET	RETURN
RPM	ROTATIONS PER MINUTE
SQ.FT.	SQUARE FEET
SUP	SUPPLY
TYP	TYPICAL
UH	UNIT HEATER
VD	VOLUME DAMPER
VIF	VERIFY IN FIELD
WB	WET BULB
WP	WORKING PRESSURE

MECHANICAL DEMOLITION NOTES





































1. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL MECHANICAL EQUIPMENT, ACCESSORIES, CONTROLS AND ASSOCIATED PIPING AS SHOWN OR INDICATED ON THE DRAWINGS.
2. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
3. THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
4. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE LEFT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
5. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND/OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORKS IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
6. ANY MECHANICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED IN THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
7. THE MECHANICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
9. THE MECHANICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

MECHANICAL GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL DRAWINGS.
2. DRAWINGS ARE DIAGRAMATIC AND SHOW GENERAL INTENT OF WORK. SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. MECHANICAL CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEMS.

PRE-CONSTRUCTION AIR FLOW TEST

CONTRACTOR SHALL PERFORM PRE-DEMOLITION AND CONSTRUCTION AIR FLOW & STATIC PRESSURE TESTS OF EXISTING AIR HANDLING UNIT AC-1, SUPPLY FAN, S-1, AND RETURN FAN, R-1. ASSOCIATED MAIN SUPPLY DUCTWORK IN EXISTING STORAGE AREA SHALL ALSO BE TESTED FOR AVAILABLE AIR FLOW. CONTRACTOR SHALL SUBMIT A FULL REPORT DOCUMENTING FINDINGS UPON COMPLETION OF TESTING.

MECHANICAL LEGEND	
	DIFFUSER/GRILLE - SUPPLY
	GRILLE/REGISTER - RETURN
	GRILLE/REGISTER - EXHAUST
	ROUND DUCT UP
	ROUND DUCT DN
	SIDEWALL GRILLE/REGISTER - SUPPLY/RETURN/EXHAUST
	LINEAR SLOT DIFFUSER/BAR GRILLE - SUPPLY
	AIR FLOW DIRECTION INDICATOR - SUPPLY
	AIR FLOW DIRECTION INDICATOR - RETURN
	DUCT RISER - SUPPLY/COMBUSTION AIR
	DUCT DROP - SUPPLY/COMBUSTION AIR
	DUCT RISER - RETURN/EXHAUST
	DUCT DROP - RETURN/EXHAUST
	THERMOSTAT
	VOLUME DAMPER
	MOTORIZED DAMPER
	REDUCER
	LOW TEMPERATURE HOT WATER SUPPLY - HEATING
	LOW TEMPERATURE HOT WATER RETURN - HEATING
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	DIRECTION OF FLOW
	PIPE DOWN
	PIPE DROP
	PIPE RISE
	PLUGGED OR CAPPED PIPE
	EXISTING TO BE REMOVED
	CONNECT TO EXISTING
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	STRAINER - 'Y' TYPE
	UNION
	BALANCING VALVE
	BALL VALVE
	CHECK VALVE
	SOLENOID VALVE

GRAVITY ROOF VENTILATOR SCHEDULE									
SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	AIR FLOW (CFM)	VELOCITY (FPM)	AIR PD (IN. WG)	THROAT SIZE WIDTHxLENGTH (IN)	DAMPER SIZE WIDTHxLENGTH (IN)	NOTES
GRV-1	GREENHECK FOR	BAROMETRIC RELIEF	ROOF	5,115	430	0.050	24x72	24x72	1,2,3

NOTES:

1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
2. PROVIDE WITH INSECT SCREEN.
3. PROVIDE WITH ALUMINUM BIRD SCREEN.

ARCHITECT:



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Purchase College
 STATE UNIVERSITY OF NEW YORK

www.purchase.edu

CONSULTANT:



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SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
 PURCHASE, NY 10577

REVISIONS		
NO.	DATE	DESCRIPTION

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 ISSUED DATE: 02.16.2018

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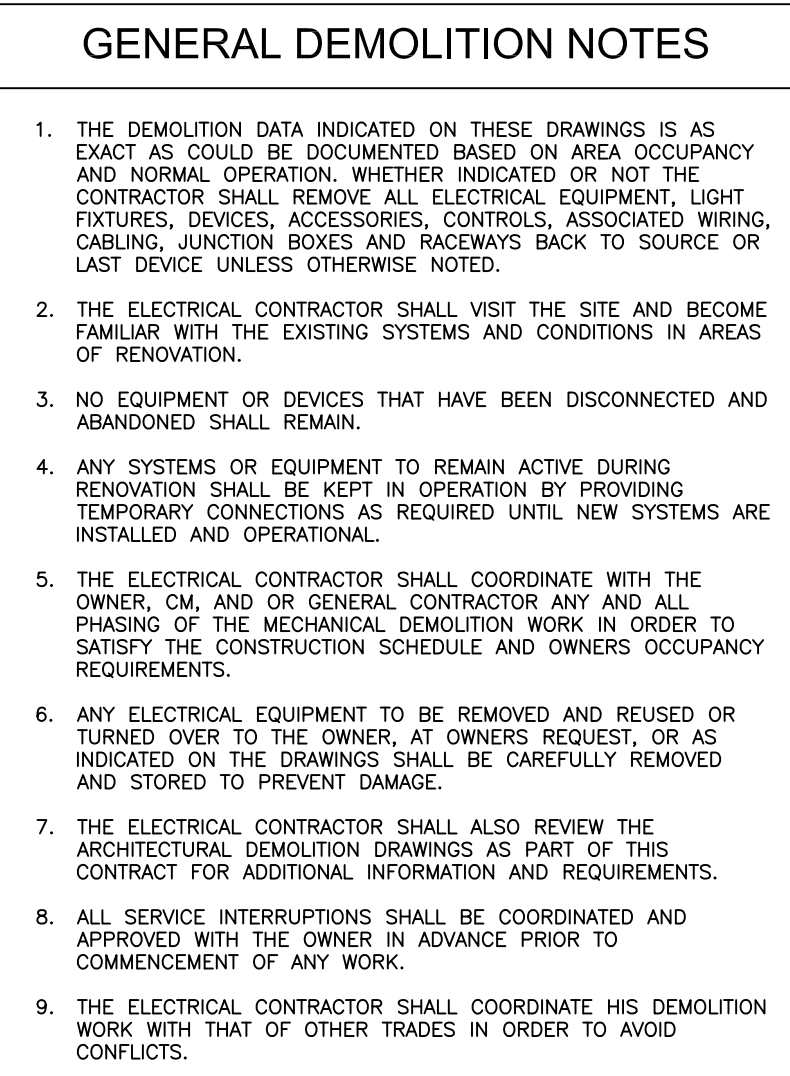
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 PROJECT NUMBER: 1416244

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 DRAWING NAME:

M204



ARCHITECT:		
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CAFE ADDITION AND RENOVATION		
735 ANDERSON HILL RD PURCHASE, NY 10577		
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CHECKED BY:	IES	
PROJECT NUMBER:	1416244	
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DRAWING NAME:		
BASEMENT ELECTRICAL DEMOLITION PLAN		
DRAWING NO.		
DE 100		

SUNY PURCHASE COLLEGE

CAFE ADDITION AND RENOVATION

735 ANDERSON HILL RD
PURCHASE, NY 10577

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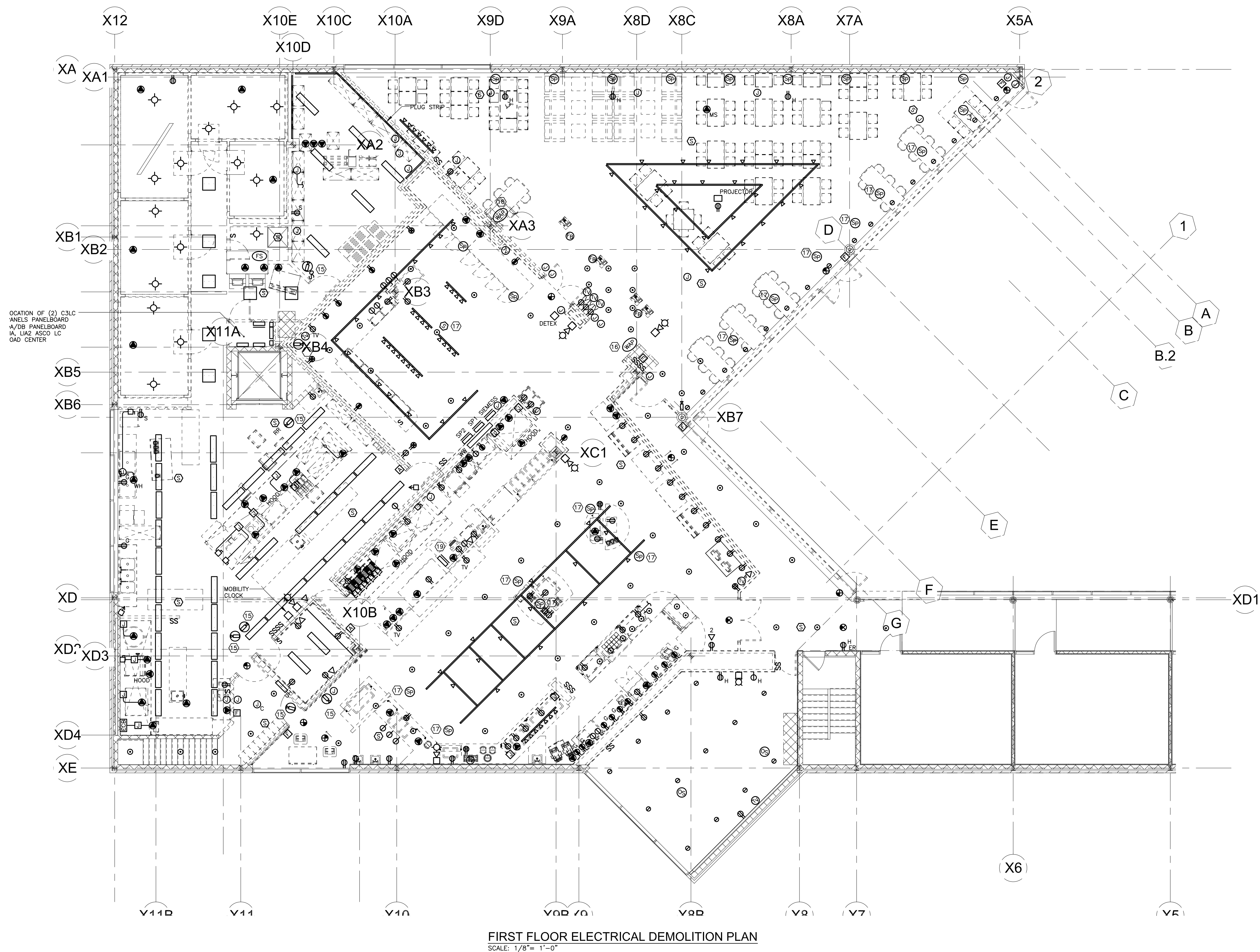
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DRAWING NAME:

FIRST FLOOR ELECTRICAL DEMOLITION PLAN

DRAVING NO.

DE101



ARCHITECT:	 <div data-bbox="2823 116 2942 143"> <h1>PHASE ZERO DESIGN</h1> </div> <p data-bbox="2823 153 2942 190"> 8 WILCOX STREET SIMSBURY, CONNECTICUT 06070 PHONE: (860) 264-1624 FAX: (860) 264-1628 www.phasezerodesign.com </p>
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CONSULTANT:	 <div data-bbox="2823 394 2942 455"> <h1>INNOVATIVE ENGINEERING SERVICES, LLC</h1> <p data-bbox="2823 455 2942 463">AN INTERIORS INCORPORATED DESIGN FIRM</p> <p data-bbox="2823 463 2942 470">3.3 N PLAINS INDUSTRIAL RD WALLINGFORD, CT 06495 TEL: (203) 947-9747 WEB: WWW.IES-CT.COM</p> </div>

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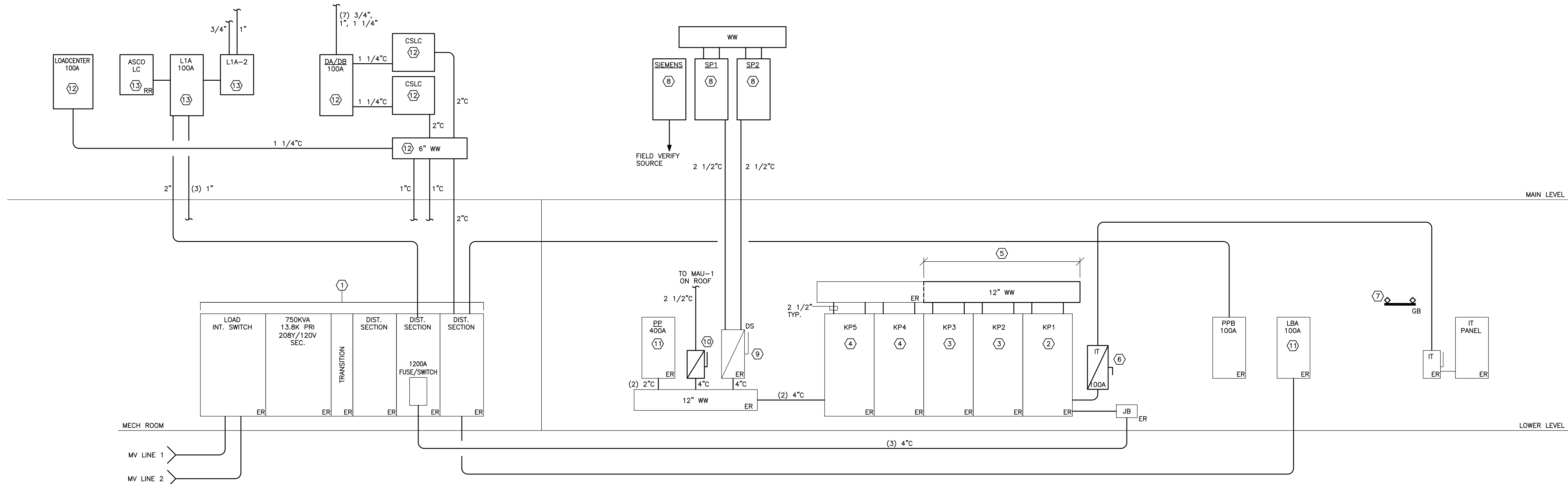
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PROJECT NUMBER: 1416244

DRAWING NAME:

ROOF ELECTRICAL
DEMOLITION PLAN

DRAWING NO.

DE102



DEMOLITION ONE-LINE RISER DIAGRAM
SCALE: N.T.S.

ARCHITECT:



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PROJECT NUMBER: 1416244

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DRAWING NAME

DEMOLITION
ONE-LINE RISER,
AND NOTES.

DRAVING NO

DE103

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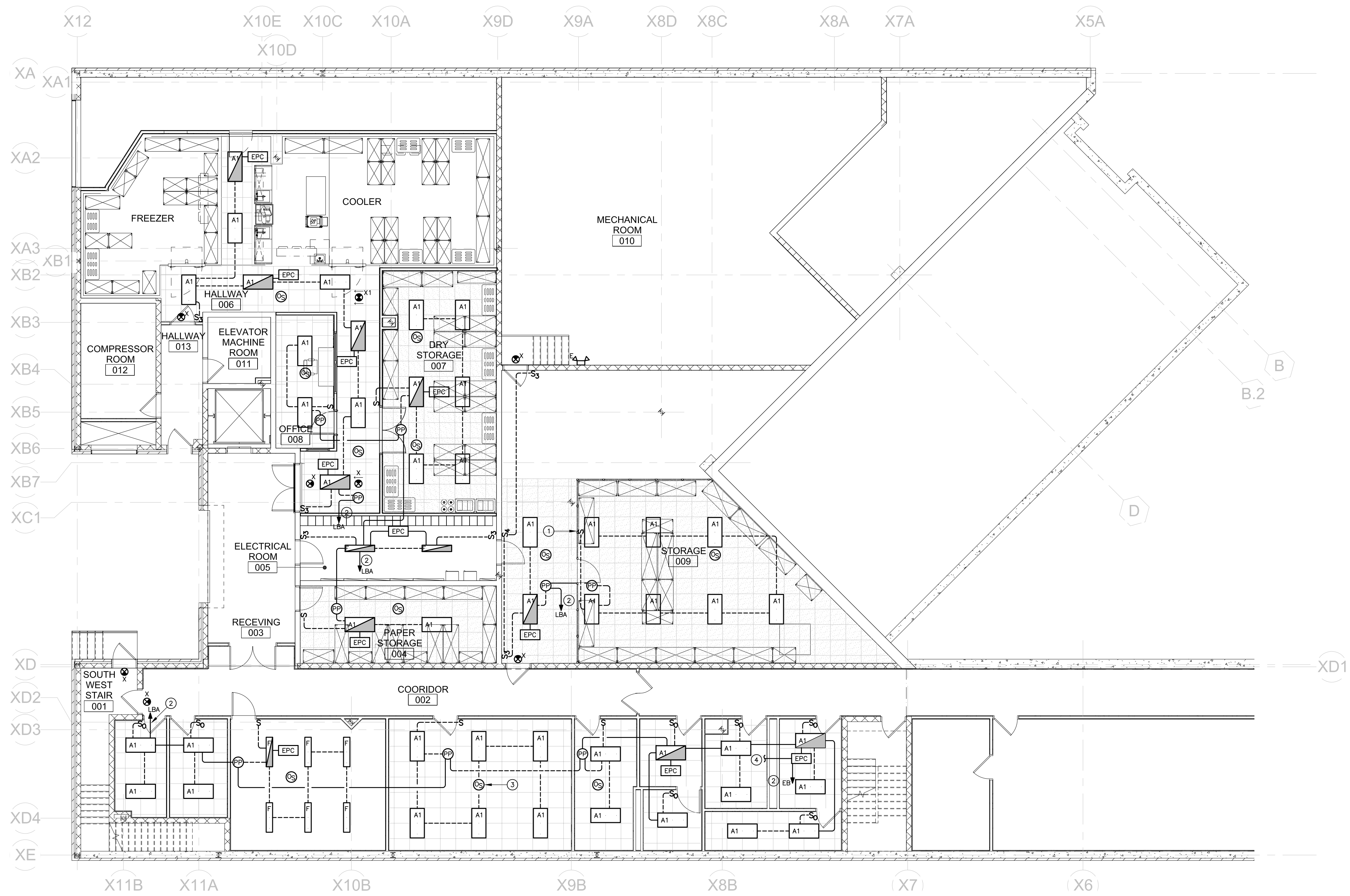
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PROJECT NUMBER: 1416

DRAWING NAME:

**BASEMENT
LIGHTING PLAN**

DRAVING NO.

E101



BASEMENT LIGHTING PLAN
SCALE: 1/8" = 1'-0"

DRAWING NOTES

- ① SWITCH MOUNTED TO CAGE AROUND STORAGE RACKS. EXACT LOCATION DETERMINED IN THE FIELD.
- ② 3/4" C, 2#12, #12G TO A 1P, 20A CIRCUIT BREAKER IN PANELBOARD INDICATED, TYPICAL.
- ③ SEE "TYPICAL LOW VOLTAGE SENSOR LIGHTING CONTROL SCHEMATIC".
- ④ 3/4" C, 2#12G TO LIFE SAFETY BRANCH CIRCUIT FEED THROUGH TO EACH EPC DEVICE.

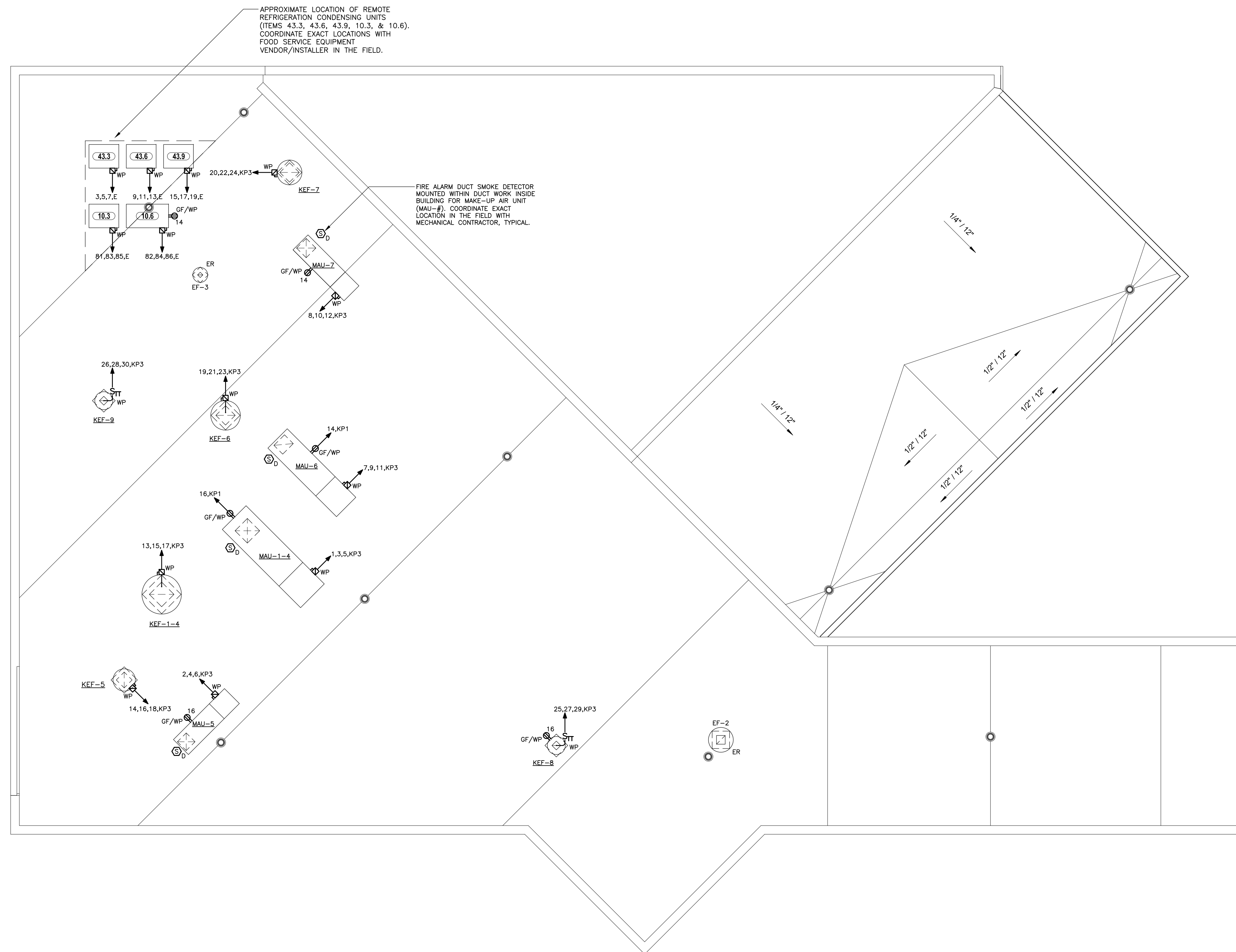
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FIRST FLOOR LIGHTING PLAN

E103



- ① TO "CAFÉ SWITCH BANK" FOR CONTROL.
- ② TO "KITCHEN SWITCH BANK" FOR CONTROL.
- ③ KITCHEN SWITCH BANK.
- ④ CAFÉ SWITCH BANK.
- ⑤ DOWN TO BASEMENT STAIRS.
- ⑥ WIRE TO EXISTING LIGHTING BRANCH CIRCUIT IN THE CORRIDOR.
- ⑦ WIRE TO EXISTING LIGHTING BRANCH CIRCUIT IN STAIRCASE.
- ⑧ 3/4"Ø, 2#12, #12G TO 1P, 20A CIRCUIT BREAKER IN PANELBOARD INDICATED ON TYPICAL.
- ⑨ 3/4"Ø, 2#12, #12G TO LIFE SAFETY BRANCH CIRCUIT FEED THROUGH TO EACH EPC DEVICE.



ROOF ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

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

ARCHITECT:



CLIENT:



OWNER:



CONSULTANT:



FT. **SUNY PURCHASE COLLEGE**

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ROOF ELECTRICAL PLAN

DRAVING NO.

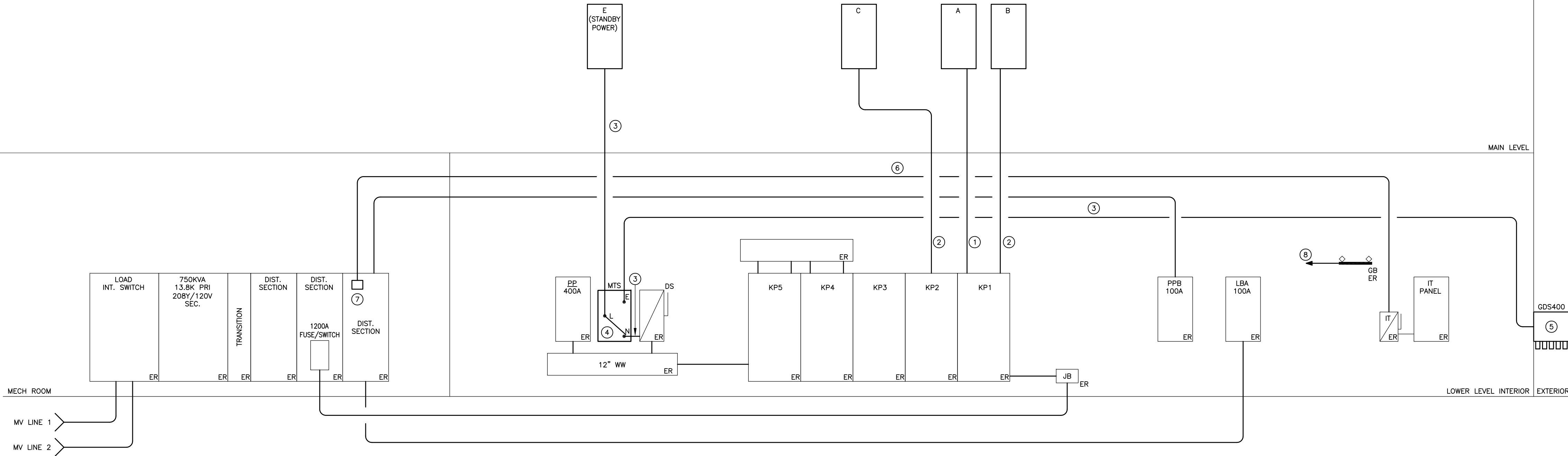
E104

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DRAWING NAME:

DRAWING NO.





ONE LINE RISER DIAGRAM NOTES

- ① 3" C, 4#4/0, #4G.
- ② 3" C, 4#350KCMIL, #4G.
- ③ 4" C, 4#500KCMIL, #3G.
- ④ 240V, 400 HZ, 3 POLE, DOUBLE-THROW NEMA TYPE 1 SWITCH WITH NEUTRAL AND GROUND ISOLATION.
- ⑤ ESI, POWER SYSTEM B16 GENERATOR DOCKING STATION (CDSB90) CUMULATIVE CONNECTION RATER FOR 208V, 400A, 3 PHASE, 4 WIRE, GROUND OPERATION IN NEMA TYPE 3R 3045S, EXTENDED DEPTH ENCLOSURE.
- ⑥ 1 1/2" C, #2, #6G.
- ⑦ CONNECT TO SPARE 3 POLE, 100A FUSE/TWCH. PROVIDE (3) 100A FUSES
- ⑧ #30 WITH GREEN INSULATION FROM IT GROUND BAR TO ELECTRICAL SERVICE ENTRANCE EQUIPMENT GROUND BUS.

MTS/GDS 400 ADD ALTERNATE

PROVIDE ADD ALTERNATE PRICE FOR MANUAL TRANSFER SWITCH (MTS), GENERATOR DOCKING STATION (GDS), AND FEEDER FROM MTS TO GDS. BASE BID IS PANELBOARD E CONNECTED TO DS.

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CHECKED BY: IES

PROJECT NUMBER: 1416244

DRAWING NAME:

ONE LINE RISER DIAGRAM

DRAVING NO

E200

PANEL 'E' (EMERGENCY PANEL)															LOCATION: FIRST FLOOR ELEC. ROOM		
SECTION 1															MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE		
INTERRUPTING RATING: 22KAC															TRIM: <input type="checkbox"/> SINGLE DOOR <input checked="" type="checkbox"/> DOOR-IN-DOOR		
CKT. NO.	CKT. BKR.	POLES	DESCRIPTION	WIRE & CONDUIT	KVA				KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR.	DESCRIPTION	CKT. NO.			
						TRIP AMPS	POLES	TRIP AMPS									
1	20	1	ITEM NO. 43.1	REFER TO SCHEDULE	0.6				0.1	REFER TO SCHEDULE	ITEM NO. 43.2	2	20				
3	30	3	ITEM NO. 43.3	REFER TO SCHEDULE	1.8				0.1	--	--	--	--	4			
5	--	--	--	--	1.8				0.6	REFER TO SCHEDULE	ITEM NO. 43.4	1	20	6			
7	--	--	--	--	1.8				0.2	REFER TO SCHEDULE	ITEM NO. 43.5	2	20	8			
9	30	3	ITEM NO. 43.6	REFER TO SCHEDULE	1.8				0.2	--	--	--	--	10			
11	--	--	--	--	1.8				0.6	REFER TO SCHEDULE	ITEM NO. 43.7	1	20	12			
13	--	--	--	--	1.8				0.1	REFER TO SCHEDULE	ITEM NO. 43.8	2	20	14			
15	30	3	ITEM NO. 43.9	REFER TO SCHEDULE	1.8				0.1	--	--	--	--	16			
17	--	--	--	--	1.8				1.8	REFER TO SCHEDULE	ITEM NO. 46	1	20	18			
19	--	--	--	--	1.8				1.2	REFER TO SCHEDULE	ITEM NO. 67	1	20	20			
21	20	1	ITEM NO. 68	REFER TO SCHEDULE	0.8				0.8	REFER TO SCHEDULE	ITEM NO. 76	1	20	22			
23	20	1	ITEM NO. 78	REFER TO SCHEDULE	0.9				0.8	REFER TO SCHEDULE	ITEM NO. 82	1	20	24			
25	20	1	ITEM NO. 88	REFER TO SCHEDULE	0.9				0.8	REFER TO SCHEDULE	ITEM NO. 82	1	20	26			
27	20	1	ITEM NO. 93	REFER TO SCHEDULE	0.9				0.9	REFER TO SCHEDULE	ITEM NO. 94	1	20	28			
29	20	1	ITEM NO. 111	REFER TO SCHEDULE	1.8				1.8	REFER TO SCHEDULE	ITEM NO. 111	1	20	30			
31	20	--	ITEM NO. 111	REFER TO SCHEDULE	1.8				1.8	REFER TO SCHEDULE	ITEM NO. 123	1	20	32			
33	20	1	ITEM NO. 128	REFER TO SCHEDULE	0.8				1.8	REFER TO SCHEDULE	ITEM NO. 129	1	20	34			
35	20	2	ITEM NO. 133	REFER TO SCHEDULE	1.2				0.8	REFER TO SCHEDULE	ITEM NO. 150	1	20	36			
37	--	--	--	--	1.2				0.8	REFER TO SCHEDULE	ITEM NO. 151	1	20	38			
39	20	1	ITEM NO. 158	REFER TO SCHEDULE	1.9				1.9	REFER TO SCHEDULE	ITEM NO. 158	1	20	40			
41	20	1	ITEM NO. 160	REFER TO SCHEDULE	0.9				0.9	REFER TO SCHEDULE	ITEM NO. 160	1	20	42			
43	20	1	ITEM NO. 160	REFER TO SCHEDULE	1.0				1.0	REFER TO SCHEDULE	ITEM NO. 172	1	20	44			
45	20	1	ITEM NO. 173	REFER TO SCHEDULE	0.7				0.7	REFER TO SCHEDULE	ITEM NO. 180	1	20	46			
47	20	1	ITEM NO. 182	REFER TO SCHEDULE	0.9				0.9	REFER TO SCHEDULE	ITEM NO. 183	1	20	48			
49	20	1	ITEM NO. 183	REFER TO SCHEDULE	1.4				1.4	REFER TO SCHEDULE	ITEM NO. 194	1	20	50			
51	20	1	ITEM NO. 195	REFER TO SCHEDULE	1.7				1.7	REFER TO SCHEDULE	ITEM NO. 196	1	20	52			
53	20	1	ITEM NO. 197	REFER TO SCHEDULE	1.2				1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	54			
55	20	1	ITEM NO. 210.2	REFER TO SCHEDULE	1.2				1.2	REFER TO SCHEDULE	ITEM NO. 210.2	1	20	56			
57	20	1	ITEM NO. 210.2	REFER TO SCHEDULE	1.8				1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	58			
59	20	1	ITEM NO. 210.1	REFER TO SCHEDULE	1.2				1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	60			
61	20	1	ITEM NO. 210.1	REFER TO SCHEDULE	1.2				1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	62			
63	20	1	ITEM NO. 210.1	REFER TO SCHEDULE	1.2				1.2	REFER TO SCHEDULE	ITEM NO. 210.1	1	20	64			
65	20	1	RECEPTACLES	3/4"C, 2#12, #12G	1.2				1.2	REFER TO SCHEDULE	ITEM NO. 211.1	1	20	66			
67	20	1	ITEM NO. 211.1	REFER TO SCHEDULE	1.2				0.6	REFER TO SCHEDULE	ITEM NO. E55	1	20	68			
69	20	1	ITEM NO. E55	REFER TO SCHEDULE	1.2				1.2	REFER TO SCHEDULE	ITEM NO. E82	1	20	70			
71	20	1	ITEM NO. E82	REFER TO SCHEDULE	1.2				1.2	3/4"C, 2#12, #12G	RECEPTACLES	1	20	72			
TOTALS PER PHASE						19.7	20.4	21.7									
TOTALS SECTION 1						61.8											
TOTAL SECTION 2						63.8											
GRAND TOTAL (2-SECT.)						125.16											

PANEL 'E' (EMERGENCY PANEL)															LOCATION: FIRST FLOOR ELEC. ROOM		
SECTION 2															MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE		
INTERRUPTING RATING: 22KAIC															TRIM: <input type="checkbox"/> SINGLE DOOR <input checked="" type="checkbox"/> DOOR-IN-DOOR		
CKT. NO.	CKT. BKR.	TRIP AMPS	POLES	DESCRIPTION	WIRE & CONDUIT	KVA				KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR.	TRIP AMPS	CKT. NO.		
							A	B	C								
73	20	1	ITEM NO. E127	REFER TO SCHEDULE	1.2				1.2	REFER TO SCHEDULE	ITEM NO. 67	1	20	74			
75	20	1	ITEM NO. 10.1	REFER TO SCHEDULE	0.6				1.2	REFER TO SCHEDULE	ITEM NO. 10.4	1	20	76			
77	20	2	ITEM NO. 10.2	REFER TO SCHEDULE	0.2				0.2	REFER TO SCHEDULE	ITEM NO. 10.5	2	20	78			
79	—	—	—	—	0.2				0.2	—	—	—	—	80			
81	50	3	ITEM NO. 10.3	REFER TO SCHEDULE	3.2				3.9	REFER TO SCHEDULE	ITEM NO. 10.6	3	60	82			
83	—	—	—	—	3.2				3.9	—	—	—	—	84			
85	—	—	—	—	3.2				3.9	—	—	—	—	86			
87	20	2	ITEM NO. 10.2	REFER TO SCHEDULE	0.2				0.3	REFER TO SCHEDULE	ITEM NO. E80	1	20	88			
89	—	—	—	—	0.2				1.3	REFER TO SCHEDULE	ITEM NO. 213	2	20	90			
91	20	2	ITEM NO. 213	REFER TO SCHEDULE	1.3				1.3	—	—	—	—	92			
93	—	—	—	—	1.3				1.8	REFER TO SCHEDULE	ITEM NO. 210.2	1	20	94			
95	20	2	ITEM NO. 213	REFER TO SCHEDULE	1.3				1.3	REFER TO SCHEDULE	ITEM NO. 213	2	20	96			
97	—	—	—	—	1.3				1.3	—	—	—	—	98			
99	20	1	ITEM NO. 210.2	REFER TO SCHEDULE	1.2				0.8	3/4" C, 2#12, #12G	LIGHTING	1	20	100			
101	20	1	SPARE	—	0.0				1.0	3/4" C, 2#12, #12G	LIGHTING	1	20	102			
103	20	1	LIGHTING	3/4" C, 2#12, #12G	1.3				1.3	3/4" C, 2#12, #12G	LIGHTING	1	20	104			
105	20	1	LIGHTING	3/4" C, 2#12, #12G	1.1				1.3	3/4" C, 2#12, #12G	LIGHTING	1	20	106			
107	20	1	LIGHTING	3/4" C, 2#12, #12G	1.4				0.4	3/4" C, 2#12, #12G	GAS EPO SYSTEM	1	20	108			
109	20	1	HEAT TRACE	3/4" C, 2#12, #12G	1.8				1.8	3/4" C, 2#12, #12G	HEAT TRACE	1	20	110			
111	20	1	HEAT TRACE	3/4" C, 2#12, #12G	1.8				1.8	3/4" C, 2#12, #12G	HEAT TRACE	1	20	112			
113	20	1	HEAT TRACE	3/4" C, 2#12, #12G	1.8				1.8	3/4" C, 2#12, #12G	HEAT TRACE	1	20	114			
115	20	1	HEAT TRACE	3/4" C, 2#12, #12G	1.8				1.8	3/4" C, 2#12, #12G	HEAT TRACE	1	20	116			
117	20	1	LIGHTING - EXTERIOR	3/4" C, 2#12, #12G	0.4				0.2	3/4" C, 2#12, #12G	LIGHTING - VEST.	1	20	118			
119	20	1	SPARE	—	0.0				0.0	—	SPARE	1	20	120			
121	20	1	SPARE	—	0.0				0.0	—	SPARE	1	20	122			
123	20	1	SPARE	—	0.0				0.0	—	SPARE	1	20	124			
125	20	1	SPARE	—	0.0				0.0	—	SPARE	1	20	126			
TOTALS PER PHASE						24.9	20.9	18.0									
GRAND TOTAL						63.8											

PANEL A															LOCATION: FIRST FLOOR		
SECTION 1															MOUNTING: <input checked="" type="checkbox"/> FLUSH <input type="checkbox"/> SURFACE		
TRIM: <input type="checkbox"/> SINGLE DOOR <input checked="" type="checkbox"/> DOOR-IN-DOOR																	
CKT. NO.	CKT. BKR.	DESCRIPTION	WIRE & CONDUIT	KVA				KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR.	DESCRIPTION	WIRE & CONDUIT	KVA			
TRIP AMPS	POLES				A	B	C				TRIP AMPS				A	B	C
1	20	1	SPARE	—	0.0			1.6	REFER TO SCHEDULE	ITEM NO. 159	1	20	2				
3	20	1	ITEM NO. 184	REFER TO SCHEDULE	0.9			1.2	REFER TO SCHEDULE	ITEM NO. 171	1	20	4				
5	30	2	ITEM NO. 185	REFER TO SCHEDULE	2.7			3.0	REFER TO SCHEDULE	ITEM NO. E91	2	50	6				
7	—	—	—	—	2.7			3.0	—	—	—	—	8				

G:\IES Projects\2017 Projects\Team PJP\17163-SUNY Purchase The Hub\Contract Documents\17163-E202.dwg Plotted by ptoello on Feb 20, 2018 - 4:22pm

PANEL KP1 (EXISTING)										LOCATION: BASEMENT ELECTRICAL ROOM MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE TRIM: <input checked="" type="checkbox"/> SINGLE DOOR <input type="checkbox"/> DOOR-IN-DOOR			
RATING: 208Y/120V, 3 PHASE, 4 WIRE MAIN BUS: <input checked="" type="checkbox"/> CU <input type="checkbox"/> AL 1200A MAIN BUS MAIN DEVICE: 1000A MCB INTERRUPTING RATING: FIELD VERIFY													
CKT. NO.	CKT. BKR.	POLES	DESCRIPTION	WIRE & CONDUIT	KVA	A	B	C	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR.	CKT. NO.
	TRIP AMPS											POLES	TRIP AMPS
1	150	3	ITEM NO. 51	REFER TO SCHEDULE	13.0	+			13.0	REFER TO SCHEDULE	ITEM NO. 51	3	150 2
3	-	-	-	-	13.0				13.0	-	-	-	4
5	-	-	-	-	13.0				13.0	-	-	-	6
7	100	2	ITEM NO. E25	REFER TO SCHEDULE	7.4	+			15.0	REFER TO RISER	PANEL A	3	225 8
9	-	-	-	-	7.4				12.8	-	-	-	10
11	<input checked="" type="checkbox"/>	1	SHUNT TRIP 120V	3/4" C, 2#12, #12G	0.0				16.7	-	-	-	12
13	300	3	PANEL B	REFER TO RISER	17.0	+			0.6	3/4" C, 2#12, #12G	RECEPTACLES - ROOF	1	20 14
15	-	-	-	-	21.1				1.0	3/4" C, 2#12, #12G	FRONT OUTSIDE LIGHTS	1	20 16
17	-	-	-	-	25.9				1.0	3/4" C, 2#12, #12G	OUTSIDE RECEPTACLES	1	20 18
19	20	1	FRONT OUTSIDE LIGHTS	3/4" C, 2#12, #12G	1.0	+			0.2	3/4" C, 2#12, #12G	UH-1	1	20 20
21	20	1	FRONT OUTSIDE LIGHTS	3/4" C, 2#12, #12G	1.0				0.0	-	-	1	20 22
23	20	1	FRONT OUTSIDE LIGHTS	3/4" C, 2#12, #12G	1.0				0.0	-	-	1	20 24
25	20	1	-	-	0.0	+			0.0	-	-	1	20 26
27	20	1	-	-	0.0				0.0	-	-	1	20 28
29	20	1	-	-	0.0				0.0	-	-	1	20 30
31	20	1	-	-	0.0	+			0.0	-	-	1	20 32
33	20	1	-	-	0.0				0.0	-	-	1	20 34
35	20	1	-	-	0.0				0.0	-	-	1	20 36
37	20	1	-	-	0.0	+			0.0	-	-	1	20 38
39	20	1	-	-	0.0				0.0	-	-	1	20 40
41	20	1	-	-	0.0				0.0	-	-	1	20 42
TOTALS PER PHASE						67.2	69.3	71.6					
GRAND TOTAL (CONNECTED)					208.1								

PANEL KP2 (EXISTING)										LOCATION: BASEMENT ELECTRICAL ROOM MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE TRIM: <input checked="" type="checkbox"/> SINGLE DOOR <input type="checkbox"/> DOOR-IN-DOOR				
RATING: 208Y/120V, 3 PHASE, 4 WIRE MAIN BUS: <input checked="" type="checkbox"/> CU <input type="checkbox"/> AL 1200A MAIN BUS MAIN DEVICE: MLO INTERRUPTING RATING: FIELD VERIFY														
CKT. NO.	CKT. BKR. TRIP AMPS	POLES	DESCRIPTION	WIRE & CONDUIT	KVA				KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. TRIP AMPS		CKT. NO.
						A	B	C				POLES	TRIP AMPS	
1	300	3	PANEL C	REFER TO RISER	24.1	+			0.0	REFER TO RISER	-	-	-	2
3	-	-	-	-	18.2				0.0	-	-	-	-	4
5	-	-	-	-	23.2			+	0.0	-	-	-	-	6
7	20	3	-	-	0.0	+			0.0	-	-	3	20	8
9	-	-	-	-	0.0			+	0.0	-	-	-	-	10
11	-	-	-	-	0.0				0.0	-	-	-	-	12
13	20	3	-	-	0.0	+			0.0	-	-	3	40	14
15	-	-	-	-	0.0			+	0.0	-	-	-	-	16
17	-	-	-	-	0.0			+	0.0	-	-	-	-	18
19	20	3	-	-	0.0	+			0.0	-	-	3	20	20
21	-	-	-	-	0.0			+	0.0	-	-	-	-	22
23	-	-	-	-	0.0			+	0.0	-	-	-	-	24
25	20	3	-	-	0.0	+			0.0	-	-	3	20	26
27	-	-	-	-	0.0			+	0.0	-	-	-	-	28
29	-	-	-	-	0.0			+	0.0	-	-	-	-	30
31	20	1	EUH-2	3/4"C, 2#12, #12G	1.5	+			0.0	-	-	3	20	32
33	20	1	-	-	0.0			+	0.0	-	-	-	-	34
35	20	1	-	-	0.0			+	0.0	-	-	-	-	36
37	20	3	-	-	0.0	+			0.0	-	-	SPACE	3	38
39	-	-	-	-	0.0			+	0.0	-	-	-	-	40
41	-	-	-	-	0.0			+	0.0	-	-	-	-	42
43	30	1	-	-	0.0	+			0.0	-	-	1	20	44
45	-	-	-	-	0.0			+	0.0	-	-	SPACE	1	46
TOTALS PER PHASE						25.6	18.2	23.2						
GRAND TOTAL (CONNECTED)					67.0									

PANEL KP3 (EXISTING)														
RATING: 208Y/120V, 3 PHASE, 4 WIRE MAIN BUS: <input checked="" type="checkbox"/> CU <input type="checkbox"/> AL 1200A MAIN BUS MAIN DEVICE: MLO INTERRUPTING RATING: FIELD VERIFY						LOCATION: BASEMENT ELECTRICAL ROOM MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE TRIM: <input checked="" type="checkbox"/> SINGLE DOOR <input type="checkbox"/> DOOR-IN-DOOR								
CKT. NO.	CKT. TRIP AMPS	BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA				KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR.		CKT. NO.
						A	B	C				POLES	TRIP AMPS	
1	50	3	MAU-1-4	1" C, 3#6, #10G	3.1	+			2.1	1" C, 3#8, #10G	MAU-5	3	35	2
3	-	-	-	-	3.1	-			2.1	-	-	-	-	4
5	-	-	-	-	3.1	-			2.1	-	-	-	-	6
7	35	3	MAU-6	1" C, 3#8, #10G	2.1	+			0.8	3/4" C, 2#12, #12G	MAU-7	3	15	8
9	-	-	-	-	2.1	-			0.8	-	-	-	-	10
11	-	-	-	-	2.1	-			0.8	-	-	-	-	12
13	50	3	KEF-1-4	1" C, 3#6, #10G	3.1	+			0.9	3/4" C, 2#12, #12G	KEF-5	3	15	14
15	-	-	-	-	3.1	-			0.9	-	-	-	-	16
17	-	-	-	-	3.1	-			0.9	-	-	-	-	18
19	20	3	KEF-6	1" C, 3#12, #12G	1.3	+			0.8	3/4" C, 2#12, #12G	KEF-7	3	15	20
21	-	-	-	-	1.3	-			0.8	-	-	-	-	22
23	-	-	-	-	1.3	-			0.8	-	-	-	-	24
25	15	3	KEF-8	3/4" C, 3#12, #12G	0.2	+			0.2	3/4" C, 2#12, #12G	KEF-9	3	15	26
27	-	-	-	-	0.2	-			0.2	-	-	-	-	28
29	-	-	-	-	0.2	-			0.2	-	-	-	-	30
31	20	2	EUH-1	3/4" C, 2#12, #12G	1.1	+			0.0	-	-	2	20	32
33	-	-	-	-	1.1	-			0.0	-	-	-	-	34
35	20	2	-	-	0.0	-			0.0	-	-	2	20	36
37	-	-	-	-	0.0	-			0.0	-	-	-	-	38
39	20	2	-	-	0.0	-			0.0	-	-	2	20	40
41	-	-	-	-	0.0	-			0.0	-	-	-	-	42
43	20	2	-	-	0.0	-			0.0	-	-	2	20	44
45	-	-	-	-	0.0	-			0.0	-	-	-	-	46
TOTALS PER PHASE						15.7	15.7	14.6						
GRAND TOTAL (CONNECTED)						46.0								

PANELBOARD NOTES:

- (A) REMOVE EXISTING CIRCUIT BREAKER(S) AND PROVIDE INDICATED CIRCUIT BREAKER, BUSSING AND MOUNTING HARDWARE AS REQUIRED.

FOODSERVICE ELECTRICAL SCHEDULE - FIRST LEVEL															
ITEM NO	QTY	DESCRIPTION	AMPS	WATTS	HP	VOLTS	PHASE	CYCLE	CONN TYPE	NEMA	ELEC AFF	CONDUIT AND WIRE			
43.1	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"	3/4"C, 2#12, #12G			
43.2	1	EVAPORATOR COIL, COOLER	1.00			208	1	60	DIRECT		120"	3/4"C, 2#12, #12G			
43.3	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"	3/4"C, 2#12, #12G			
43.4	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"	3/4"C, 2#12, #12G			
43.5	1	EVAPORATOR COIL	1.40			208	1	60	DIRECT		120"	3/4"C, 2#12, #12G			
43.6	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"	3/4"C, 3#10, #10G			
43.7	1	COOLER LIGHT AND WINDOW HEATER	5.00			120	1	60	DIRECT		102"	3/4"C, 2#12, #12G			
43.8	1	EVAPORATOR COIL, COOLER	1.00			208	1	60	DIRECT		120"	3/4"C, 2#12, #12G			
43.9	1	CONDENSING UNIT, COOLER	14.40		1	208	3	60	DIRECT		18"	3/4"C, 3#10, #10G			
46	1	MODULAR CUBELET ICE MACHINE – AIR–COOLED	15.20			120	1	60	DIRECT		60"	3/4"C, 2#12, #12G			
51	1	DISHWASHER, CONVEYOR TYPE	108.00		3.3	208	3	60			48"	2"C, 3#1/2, #60			
60	1	MIXER, 20 QT	8.00			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
65	1	3QOT MIXER	2.80			208	3	60	DIRECT		18"	3/4"C, 2#12, #12G			
66	1	HOT HOLDING CABINET	16.70			120	1	60	CORD & PLUG	5–20P	48"	3/4"C, 2#10, #10G			
67	2	REFRIGERATOR, ROLL–IN	9.60			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
68	1	GRIDDLE STAND, REFRIGERATOR	6.10			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
72	1	TILT SKILLET, GAS	1.80			120	1	60	CORD & PLUG		18"	3/4"C, 2#12, #12G			
73	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G			
74	1	HOT CABINET, ROLL–IN	14.50			120/208	1	60	DIRECT		90"	3/4"C, 2#12, #12G			
76	1	REFRIGERATOR, REACH–IN	6.50			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
78	1	WORKTOP REFRIGERATOR	7.60		1/4	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
82	2	REFRIGERATOR, WORKTOP	6.60			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
83	3	FRYER	6.10			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
84	1	FRYER DUMP STATION	6.30			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
85	4	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G			
87	1	36" OPEN–TOP BURNER RANGE – CONVECTION – OVEN BASE	5.90	708	1/2	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
88	1	GRIDDLE STAND, REFRIGERATOR	7.50			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
91	2	OVEN–STEAMER, COMBINATION, GAS, DOUBLE STACK	15.00			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
91	2	OVEN–STEAMER, COMBINATION, GAS, DOUBLE STACK – 2ND CONN	15.00			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
92	1	ROTISSERIE, VERTICAL, GAS	1.30			120	1	60	CORD & PLUG	5–15P	36"	3/4"C, 2#12, #12G			
93	1	REFRIGERATOR, UNDERCOUNTER	7.30			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
94	1	REFRIGERATED SANDWICH UNIT	7.30		1/5	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
95	1	CABINET, MOBILE, WARMING & HOLDING	7.50			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
96	6	HEAT LAMP	5.00			120	1	60	DIRECT		18"	3/4"C, 2#12, #12G			
97	1	OMS SCREEN – WALL MOUNT	10.00			120	1	60	CORD & PLUG	5–15P	18"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
111	3	REFRIGERATED CASE	15.02			120	1	60	CORD & PLUG	5–20P	18"	3/4"C, 2#12, #12G			
112	2	HEATED SHELF, DROP–IN	8.30			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
113.1	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
113.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
113.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
113.3	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
113.4	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
113.4	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
121	1	FRYER, SPREADER CABINET	6.30			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
123	1	GRIDDLE STAND, REFRIGERATOR	5.70			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
126	2	OVEN–STEAMER, COMBINATION, GAS	15.00			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
127	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G			
128	1	FREEZER, REACH–IN	6.30		0.5	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
129	1	REFRIGERATED CASE	14.58			120	1	60	CORD & PLUG	5–20P	18"	3/4"C, 2#12, #12G			
130	4	DROP–IN, HOT/COLD WELL	12.00			120/208	1	60	CORD & PLUG	5–20P	18"	3/4"C, 2#12, #12G			
131	1	DROP IN, HOT/COLD/FREEZE WELL	9.60			120/208	1	60	CORD & PLUG	5–20P	18"	3/4"C, 2#12, #12G			
132	2	OMS SCREEN – WALL MOUNT	10.00			120	1	60	CORD & PLUG	5–15P	18"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
133	1	DISPLAY CASE, SUSHI PREP	11.30			120/208	1	60	CORD & PLUG	L14–20P	18"	3/4"C, 2#12, #12G			
134.1	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
134.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
134.2	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
134.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
141	1	GROWING CABINET	4.40			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
150	1	FREEZER, REACH–IN	6.30			120	1	60	CORD & PLUG	5–15P	48"	3/4"C, 2#12, #12G			
151	1	GRIDDLE STAND, REFRIGERATOR	6.10			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
155	1	FRYER	6.10			120	1	60	CORD & PLUG	5–15P	24"	3/4"C, 2#12, #12G			
156	1	FRYER DUMP STATION	6.30			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
157	1	EXHAUST HOOD	15.00			120	1	60	DIRECT		104"	3/4"C, 2#12, #12G			
158	2	REFRIGERATED SELF–SERVICE CASE – 24"D	16.00			120	1	60	CORD & PLUG	5–20P	18"	3/4"C, 2#12, #12G			
159	4	SOUP WARMER/RETHERMALIZER	6.70			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
160	3	SANDWICH UNIT, REFRIGERATED	7.60		1/4	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
161.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
161.4	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
161.5	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
170	6	LCD SCREEN	10.00			120	1	60	CORD & PLUG	5–15P	72"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
171	6	OSM SCREEN	10.00			120	1	60	CORD & PLUG	5–15P	72"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
172	1	ICE MAKER & DISPENSER	8.50			120	1	60	DIRECT		48"	3/4"C, 2#12, #12G			
173	1	MULTI BEVERAGE DISPENSER	10.00			120	1	60	CORD & PLUG	5–15P	18"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
174	6	MENU SCREEN	10.00			120	1	60	CORD & PLUG	5–15P	72"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
180	1	REFRIGERATED DISPLAY CASE	5.70		1/3	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
182	1	SANDWICH UNIT, REFRIGERATED	6.30			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
183	2	UNDERCOUNTER REFRIGERATOR, GLASS DOOR	7.40		1/4	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
184	2	SLICER	7.00		1/2	120	1	60	CORD & PLUG	5–15P	36"	3/4"C, 2#12, #12G			
185	2	SANDWICH PRESS	26.00			208	1	60	CORD & PLUG	6–30P	36"	3/4"C, 2#12, #12G			
187.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
187.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
187.3	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
190	1	OVEN, HEARTH	1.10			120	1	60	DIRECT		36"	3/4"C, 2#12, #12G			
192	2	HEATED SHELF, DROP–IN	6.50			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
193	1	HOT/COLD PAN, DROP–IN	25.00			120	1	60	DIRECT		18"	1"C, 2#8, #10G			
194	1	REFRIGERATED CASE	11.70			120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
195	1	REFRIGERATOR, REACH–IN	6.50			120	1	60	CORD & PLUG	5–15P	36"	3/4"C, 2#12, #12G			
196	1	PIZZA PREP, REFRIGERATOR	14.40		3/4	120	1	60	CORD & PLUG	5–15P	18"	3/4"C, 2#12, #12G			
197	1	REFRIGERATOR, ROLL–IN	9.60			120	1	60	CORD & PLUG	5–15P	36"	3/4"C, 2#12, #12G			
200.1	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
200.2	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
200.2	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
200.3	1	HEAT LAMP	2.10			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
200.3	1	SNEEZE GUARD LIGHT	5.00			120	1	60	DIRECT		18"	ESTIMATED UTILITIES – VERIFY WITH MANUFACTURER			
210	4	POS, SELF–CHECKOUT	10.00			120	1	60	CORD & PLUG	5–15P	18"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
210.1	6	POS, SELF–CHECKOUT	10.00			120	1	60	CORD & PLUG	5–15P	18"	DATA CONNECTION – ESTIMATED UTILITIES – FIELD VERIFY			
210.2	15	PRINTER, ORDER	5.00			120	1	60	CORD & PLUG	5–15P	18"	ESTIMATED UTILITIES – FIELD VERIFY			
211	1	P.O.S.	10.00			120	1	60	CORD & PLUG	5–15P	18"	DATA CONNECTION – VERIFY ELECTRICAL REQUIREMENTS			
211.1	2	P.O.S.	10.00			120	1	60	CORD & PLUG	5–15P	18"	DATA CONNECTION – VERIFY ELECTRICAL REQUIREMENTS			
212	1</														

FIRE ALARM SYSTEM NOTES

FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, LABOR AND SERVICE REQUIRED TO EXTEND THE EXISTING FIRE ALARM SYSTEM. ALL NEW EQUIPMENT SHALL BE OF THE SAME MANUFACTURE AS THE PRESENT FIRE ALARM EQUIPMENT UNLESS OTHERWISE NOTED. THE EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF THE N.E.C. IN COMPLIANCE WITH THE N.F.P.A. PROVIDE ALL NECESSARY WIRING FOR PROPER WORKING ORDER. ALL WIRING SHALL BE U.L. APPROVED FOR THE APPLICATION AND MEET ALL NATIONAL, STATE AND LOCAL ELECTRICAL CODES, N.F.P.A.

INSTALLATION

FURNISH AND INSTALL THE SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, ALL APPLICABLE CODES AND THE MANUFACTURER'S RECOMMENDATIONS. ALL WIRING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH ALL THE PROVISIONS OF NEC - ARTICLE 760 A AND G, POWER-LIMITED FIRE PROTECTIVE SIGNALING CIRCUITS. UPON COMPLETION, THE CONTRACTOR SHALL SO CERTIFY IN WRITING TO THE OWNER AND GENERAL CONTRACTOR.

FIRE ALARM WIRING - CONCEALED FIRE ALARM WIRING ABOVE CEILING AND WITHIN WALLS SHALL BE IN CONDUIT WITH COPPER CONDUCTORS, 600 VOLTS, 105 DEG. C. INSULATION, COLOR CODED RED, FULLY LISTED AND LABELED BY U.L. FOR FIRE ALARM USE.

ADDRESSABLE INITIATING CIRCUITS - 2C #16 T/P
STROBE CIRCUITS - 2C #12
SPEAKERS - 2C #16 T/S

INITIATION AND NOTIFICATION DEVICE WIRING SHALL BE CONNECTED IN A CLASS 'A' CONFIGURATION.

ALL WIRING SHALL BE INSTALLED IN CONDUIT.

NO SPLICING OF CONDUCTORS IN JUNCTION BOXES OR STAR WIRING ALLOWED. FIRE ALARM CABLING SHALL BE ROUTED FOR DEVICE TO DEVICE UNSPLICED.

ALL JUNCTION BOXES SHALL BE SPRAYED RED AND LABELED 'FIRE ALARM'. WIRING COLOR CODE SHALL BE MAINTAINED THROUGHOUT THE INSTALLATION.

THE CONTRACTOR SHALL CLEAN ALL DIRT AND DEBRIS FROM THE INSIDE AND OUTSIDE OF THE FIRE ALARM EQUIPMENT AFTER COMPLETION OF THE INSTALLATION.

MONITOR MODULES AND CONTROL MODULES NOT SHOWN ON FLOOR PLANS FOR FACILITY ONLY. CONTRACTOR SHALL PROVIDE ALL REQUIRED MODULES.

THE FIRE ALARM MANUFACTURER'S AUTHORIZED REPRESENTATIVE IS: RED HAWK FIRE AND SECURITY (NICK DELFICO), 914-769-8900.

THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL PROVIDE ON-SITE SUPERVISION OF INSTALLATION AND ALL NECESSARY REPROGRAMMING (PROGRAMMING), GRAPHIC SOFTWARE MODIFICATIONS AND VALIDATION OF THE FIRE ALARM SYSTEM.

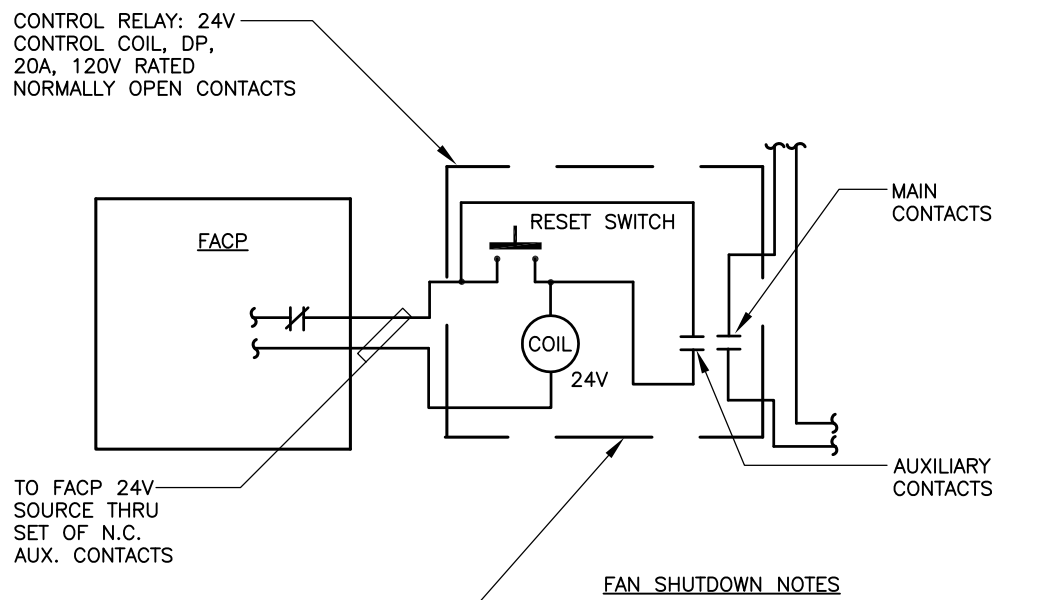
DUCT SMOKE DETECTION

FOR HVAC EQUIPMENT THE CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTOR(S) AND ASSOCIATED SAMPLING TUBE AND REMOTE TEST SWITCH FOR THE FOLLOWING:

1. DOWNSTREAM OF AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS IN AIR SUPPLY SYSTEM HAVING A CAPACITY GREATER THAN 2,000 CFM.

DIVISION 26 SHALL FURNISH AND WIRE ALL EQUIPMENT AND DEVICES. DIVISION 23 SHALL INSTALL DUCT DETECTOR(S) AND ASSOCIATED SAMPLING TUBE, DIVISION 26 SHALL INSTALL REMOTE TEST SWITCH; COORDINATE EXACT LOCATION WITH AHJ. COORDINATE EXACT SAMPLING TUBE REQUIREMENTS WITH DIVISION 23.

DIVISION 26 SHALL PROVIDE CONTROLS REQUIRED FOR AUTOMATIC FAN SHUTDOWN IN THE EVENT OF A FIRE ALARM CONDITION. SEE 'TYPICAL FAN RESET DETAIL'. COORDINATE EXACT REQUIREMENTS WITH DIVISION 23.



1. ELECTRICAL CONTRACTOR SHALL PROVIDE COMMON FAN SHUTDOWN CIRCUIT FROM FACP FOR FAN SHUTDOWN ON ANY ALARM CONDITION - PROVIDE WITH MOMENTARY CONTACT START BUTTON FOR MANUAL RESTART AFTER ALARM IS CLEARED - ALL RESTART BUTTONS SHALL BE MOUNTED IN COMMON FAN RESET PANEL LOCATED WITH FACP.

TYPICAL FAN RESET DETAIL

SCALE: N.T.S.
ABOVE DETAIL IS FOR INFORMATION PURPOSES ONLY AND MAY NEED TO BE ADJUSTED TO SUIT FIELD CONDITION.

ABBREVIATIONS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CL	MOUNTED IN CEILING
CT	CIRCUIT
DW	DISHWASHER
DWG	DRAWING
ELEC	ELECTRICAL
EM	EMERGENCY POWER CIRCUIT
ER	EXISTING TO REMAIN
FL	FLOOR
G	GROUND
GF	GROUND FAULT CIRCUIT INTERRUPTER
JB	JUNCTION BOX
L	LIGHTING
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OD	OUTDOOR
OHD	OVERHEAD DOOR
P	POLE
PH	PHASE
R	REFRIGERATOR
RE	RELOCATED EXISTING
RR	REMOVE AND RELOCATE
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT
WP	WEATHERPROOF

LIGHTING SPECIFICATIONS

LIGHTING FIXTURE TYPE A	
MANUFACTURER	LITHONIA
CATALOG NO.	26TL-4-30L-FW-A19-MVOLT-EZ1-LP835
FIXTURE DESCRIPTION	2'x4'-ABC
VOLTAGE	120
LAMP & DESIGNATION	LED 27W, 3000L, 3500K
DRIVER	LED
MOUNTING	RECESSED GRID
HOUSING	STEEL
LENS/LOUVER	FLUSH ALUMINUM WHITE
REMARKS	DOOR FRAME GASKETING

LIGHTING FIXTURE TYPE A1	
MANUFACTURER	LITHONIA
CATALOG NO.	26TL-4-30L-FW-A19-MVOLT-EZ1-LP835
FIXTURE DESCRIPTION	2'x4'-ABC
VOLTAGE	120
LAMP & DESIGNATION	LED 27W, 3000L, 3500K
DRIVER	LED
MOUNTING	RECESSED GRID
HOUSING	STEEL
LENS/LOUVER	FLUSH ALUMINUM WHITE
REMARKS	

LIGHTING FIXTURE TYPE A2	
MANUFACTURER	LITHONIA
CATALOG NO.	26TL-2-20L-FW-A19-MVOLT-EZ1-LP835
FIXTURE DESCRIPTION	2'x2'
VOLTAGE	120
LAMP & DESIGNATION	LED 17W, 2000L, 3500K
DRIVER	LED
MOUNTING	10V DIMMING
HOUSING	STEEL
LENS/LOUVER	FLUSH ALUMINUM WHITE
REMARKS	DOOR FRAME GASKETING

LIGHTING FIXTURE TYPE B	
MANUFACTURER	BETA CALCO
CATALOG NO.	20-1291-35
FIXTURE DESCRIPTION	16" PENDANT
VOLTAGE	120/277V
LAMP & DESIGNATION	LED 57W, 6187L, 3500K
DRIVER	D-10V DIMMING
MOUNTING	STEEL/ALUMINUM
LENS/LOUVER	CLEAR PRISMATIC ACRYLIC
REMARKS	

LIGHTING FIXTURE TYPE C	
MANUFACTURER	LITE CONTROL
CATALOG NO.	3-P-40-04-SOF-C3-35K-DOXXX--
FIXTURE DESCRIPTION	D01-1C-UNV-FAX
VOLTAGE	120
LAMP & DESIGNATION	LED 57W, 6187L, 3500K
DRIVER	N/A
MOUNTING	AIRCRAFT SUSPENSION KIT X" TBD
LENS/LOUVER	SOFT DIFFUSER ACRYLIC LENS
REMARKS	

LIGHTING FIXTURE TYPE D	
MANUFACTURER	TBD
CATALOG NO.	TBD
FIXTURE DESCRIPTION	TBD
VOLTAGE	120
LAMP & DESIGNATION	LED
DRIVER	LED
MOUNTING	SURFACE
HOUSING	STEEL
LENS/LOUVER	N/A
REMARKS	

LIGHTING FIXTURE TYPE E	
MANUFACTURER	LITHONIA LIGHTING
CATALOG NO.	ELM2 LED 50
FIXTURE DESCRIPTION	EMERGENCY LIGHTING UNIT
VOLTAGE	120
LAMP & DESIGNATION	(2) 1.5W/3.6V LED
DRIVER	N/A
MOUNTING	SURFACE
HOUSING	THERMOPLASTIC, WHITE
LENS/LOUVER	N/A
REMARKS	MAINTENANCE-FREE NICKLE CADMIUM BATTERY AND CHARGER, 90 MINUTES RUN-TIME, SELF-DIAGNOSTICS, WIRE TO UNSWITCHED PORTION OF LIGHTING BRANCH CIRCUIT SERVING AREA BEING ILLUMINATED.

LIGHTING FIXTURE TYPE F	
MANUFACTURER	MERCURY LIGHTING
CATALOG NO.	LM4-4-3800-35K-HTA-SXX-UNI
FIXTURE DESCRIPTION	4 LINEAR LUMINAIRE
VOLTAGE	120
LAMP & DESIGNATION	LED 29W, 3300 LUMENS, 3500K
DRIVER	RECESSED
MOUNTING	GREEN LETTERS
HOUSING	CONNECT TO LIFE SAFETY CIRCUIT, TYPE 'X1' SAME AS TYPE 'X' EXCEPT DOUBLE FACE WITH MIRROR BACKGROUND, MODEL # 903E-U-LB-RM-BA
LENS/LOUVER	PRISMATIC
REMARKS	

LIGHTING FIXTURE TYPE G	
MANUFACTURER	LITHONIA LIGHTING
CATALOG NO.	2AL2-33L-EZ1-LP835
FIXTURE DESCRIPTION	2'x2' VOLUMETRIC LUMINAIRE
VOLTAGE	120
LAMP & DESIGNATION	LED 29W, 3300 LUMENS, 3500K
DRIVER	RECESSED
MOUNTING	ARCHITECTURAL PLANS
HOUSING	CONNECT TO LIFE SAFETY CIRCUIT, TYPE 'X1' SAME AS TYPE 'X' EXCEPT DOUBLE FACE WITH MIRROR BACKGROUND, MODEL # 903E-U-LB-RM-BA
LENS/LOUVER	DIFFUSER/REFRACTOR
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	NORA LIGHTING
CATALOG NO.	NTS-7330L / NHR-150
FIXTURE DESCRIPTION	7" DOWNLIGHT
VOLTAGE	120
LAMP & DESIGNATION	150W A21/PAR38
DRIVER	N/A
MOUNTING	RECESSED
HOUSING	ALUMINUM
LENS/LOUVER	CLEAR GLASS LENS, CLEAR REFLECTOR
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	LITHONIA LIGHTING
CATALOG NO.	LPB-35/15-108AR-LSS-MVOLT-EZ1
FIXTURE DESCRIPTION	6" DIA. OPEN DOWNLIGHT
VOLTAGE	120
LAMP & DESIGNATION	28W LED, 1500 LUMENS
DRIVER	ELECTRONIC
MOUNTING	RECESSED
HOUSING	STEEL
LENS/LOUVER	
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	PABLO STUDIO
CATALOG NO.	PB-SWELL-STRING-3-MIXED-SUSP-BLACK
FIXTURE DESCRIPTION	MODULAR LED LIGHTING SYSTEM
VOLTAGE	120
LAMP & DESIGNATION	LED, 14.5W, 3000K, 800 LUMENS
DRIVER	N/A
MOUNTING	PENDANT
HOUSING	STEEL
LENS/LOUVER	
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	LIGHTYEAR
CATALOG NO.	LT-Y-CARAVAGGIO-CAR300-BLACK
FIXTURE DESCRIPTION	WITH RED CORD
VOLTAGE	120
LAMP & DESIGNATION	LED A19, E26 MEDIUM BASE
DRIVER	N/A
MOUNTING	SURFACE, PENDANT
HOUSING	NICKEL
LENS/LOUVER	GLASS GLOBE DIFFUSER
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	TECH LIGHTING
CATALOG NO.	TB-SO-S-CF
FIXTURE DESCRIPTION	ADJUSTABLE PENDANT LIGHT
VOLTAGE	120
LAMP & DESIGNATION	LED G40, 15W, 900 LUMENS, 3000K
DRIVER	N/A
MOUNTING	SURFACE, PENDANT
HOUSING	NICKEL
LENS/LOUVER	GLASS GLOBE DIFFUSER
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	BARN LIGHT ELECTRIC CO.
CATALOG NO.	RLM SERIES, G-SBD16 "THE DISTRICT"
FIXTURE DESCRIPTION	16" DIA. GOOSENECK LIGHT
VOLTAGE	120
LAMP & DESIGNATION	LED / TBD
DRIVER	LED / TBD
MOUNTING	SURFACE, WALL
HOUSING	BLACK
LENS/LOUVER	
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	BARN LIGHT ELECTRIC CO.
CATALOG NO.	RLM SERIES, G-SBD14 "THE DISTRICT"
FIXTURE DESCRIPTION	14" DIA. GOOSENECK LIGHT
VOLTAGE	120
LAMP & DESIGNATION	LED / TBD
DRIVER	LED / TBD
MOUNTING	SURFACE, WALL
HOUSING	WHITE
LENS/LOUVER	
REMARKS	

LIGHTING FIXTURE TYPE	
MANUFACTURER	EXITRONIX
CATALOG NO.	903E-U-LB-RC-BA
FIXTURE DESCRIPTION	EDGE-LIT EXIT SIGN, SINGLE-FACE
VOLTAGE	120
LAMP & DESIGNATION	LED
DRIVER	LED
MOUNTING	UNIVERSAL, CEILING OR WALL
HOUSING	EXTRUDED ALUMINUM
LENS/LOUVER	GREEN LETTERS
REMARKS	CONNECT TO LIFE SAFETY CIRCUIT, TYPE 'X1' SAME AS TYPE 'X' EXCEPT DOUBLE FACE WITH MIRROR BACKGROUND, MODEL # 903E-U-LB-RM-BA

LIGHTING SCHEDULE NOTES:

- ALL LAMP COLORS SHALL BE 3500K UNLESS OTHERWISE SPECIFIED.
- CONFIRM FINISHES OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
- CONFIRM CEILING TYPES AND MOUNTING HEIGHTS OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
- HALF-SHADED LIGHT FIXTURE, OR WITH 'EW' SUBSCRIPT, REQUIRES CONNECTION TO LIFE SAFETY CIRCUIT WITH USE OF EMERGENCY POWER CONTROL (EPC) DEVICE.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH
S ₂	TWO POLE TOGGLE SWITCH
S ₃	THREE WAY TOGGLE SWITCH
S ₄	FOUR WAY TOGGLE SWITCH
S _D	SINGLE POLE DIMMER SWITCH
S _{D3}	THREE WAY DIMMER SWITCH
S _F	FAN SWITCH
S _K	SINGLE POLE KEY SWITCH
S _{3K}	THREE WAY KEY SWITCH
S _{4K}	FOUR WAY KEY SWITCH
S _O	OCCUPANCY SENSOR SWITCH
S _{PO}	EMERGENCY POWER OFF SWITCH
S _{TT}	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION
□	PUSHBUTTON
□	SINGLE RECEPTACLE
□	DUPLEX RECEPTACLE
□	DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
□	DOUBLE DUPLEX RECEPTACLE
□	DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
●	OUTLET TO SUIT EQUIPMENT (CONTRACTOR TO VERIFY)
■	EXISTING PANELBOARD/LOAD CENTER
■	208Y/120V PANEL
—	CONDUIT AND WIRE
---	CONDUIT AND WIRE, SWITCHED
→ 1,LP	HOMERUN TO PANELBOARD, NUMBERS/LETTERS INDICATE CIRCUIT AND PANELBOARD TERMINATION UNLESS OTHERWISE INDICATED.
○	JUNCTION BOX
⊙	MOTOR
⊙	SAFETY DISCONNECT SWITCH
⊙	FUSIBLE SAFETY DISCONNECT SWITCH
▽	DATA OUTLET, METALLIC MOUNTING PLATE BRACKET, 1" FROM OUTLET LOCATION TO ACCESSIBLE LOCATION ABOVE CEILING. TERMINATE BOTH ENDS OF CONDUIT WITH CONNECTOR AND INSULATING BUSHING.
▽	COMBINATION TELECOMMUNICATION/DATA OUTLET, METALLIC MOUNTING PLATE BRACKET, 1" FROM OUTLET LOCATION TO ACCESSIBLE LOCATION ABOVE CEILING. TERMINATE BOTH ENDS OF CONDUIT WITH CONNECTOR AND INSULATING BUSHING.
TV	CABLE T.V. OUTLET WITH COAXIAL CABLE BACK TO CATV SERVICE LOCATION.
TC	TIME CLOCK SWITCH
FACP	FIRE ALARM CONTROL PANEL
FARA	FIRE ALARM REMOTE ANNUNCIATOR PANEL
S	FIRE ALARM SMOKE DETECTOR
S _D	FIRE ALARM DUCT SMOKE DETECTOR
S _T	FIRE ALARM THERMAL DETECTOR
M	FIRE ALARM MONITOR MODULE
R	FIRE ALARM RELAY MODULE
□	FIRE ALARM CONTROL MODULE
RT	FIRE ALARM REMOTE TEST SWITCH
F	FIRE ALARM MANUAL PULL STATION
EPC	EMERGENCY POWER CONTROL, MODEL EPC MANUFACTURED BY LVS, INC.
CL	FIRE ALARM SPEAKER/STROBE UNIT; 'CL' SUBSCRIPT WHERE SHOWN INDICATES 'CEILING MOUNTED'.
CL	FIRE ALARM STROBE ONLY UNIT
□	PUSHPLATE
WAP	WIRELESS ACCESS POINT
S ₁	OCCUPANCY SENSOR, STANDARD RANGE, CEILING MOUNT, LOW-VOLTAGE, DUAL TECHNOLOGY, ACUTY CONTROLS #NCM-PDT-9-RJB.
S ₂	OCCUPANCY SENSOR, EXTENDED RANGE, CEILING MOUNT, LOW-VOLTAGE, DUAL TECHNOLOGY, ACUTY CONTROLS #NCM-PDT-10-RJB.
PC	PHOTOCCELL, AUTOMATIC DIMMING CONTROL, LOW VOLTAGE, CEILING MOUNT, ACUTY CONTROLS #nCM-ADCX.
PP	POWER/RELAY PACK, ACUTY CONTROLS #PP-20.
PD	POWER/RELAY PACK WITH 0-10VDC DIMMING OUTPUT FOR DIMMABLE LIGHT FIXTURES, ACUTY CONTROLS #hPP16-D.
S _{2P}	LIGHTING CONTROL WALL POD STATION, TWO (2) CHANNELS, ON/OFF + RAISE/LOWER, ACUTY CONTROLS #hPDM-2P-DX-WH.

GENERAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR A COMPLETE, FULLY OPERABLE INSTALLATION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST APPROVED ISSUE OF THE NFPA 70, NATIONAL ELECTRIC CODE (NEC) AND APPLICABLE LOCAL CODES.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO ASCERTAIN FIELD CONDITIONS AS THEY EXIST AND JUDGE THEIR EFFECT ON THE WORK TO BE DONE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO VISIT THE JOB SITE AND MAKE THIS DETERMINATION.
- THE DRAWINGS SHOW THE GENERAL LAYOUT AND SOME OF THE DETAIL, BUT THEY DO NOT SHOW EVERY FITTING, BEND, ... ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SUCH MATERIALS TO MAKE A COMPLETE INSTALLATION.
- DO NOT SCALE DRAWINGS; ACTUAL FIELD MEASUREMENTS AND DIMENSIONS TAKE PRECEDENCE IN ALL CASES.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT 201, LATEST EDITION.
- ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
- ELECTRICAL CONTRACTOR SHALL GIVE OWNER 10 DAYS ADVANCE NOTICE OF SHUTDOWNS. SHUTDOWNS TO BE KEPT TO A MINIMUM. AT NO TIME SHALL THE BUILDING/SPACE BE LEFT WITHOUT COMMERCIAL POWER IN FULL OPERATING ORDER.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL PHASES OF THE WORK AND TO DEMONSTRATE TO OWNER THAT THE EQUIPMENT IS IN FULL OPERATING ORDER.
- ELECTRICAL CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO THEIR ORIGINAL CONDITION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, CLEAN-UP, ELECTRICAL DEBRIS REMOVAL AND GENERAL COORDINATION OF THE WORK EFFORT AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL ITEMS OF WORK.
- THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL IN COMPLETE WORKING ORDER.
- THE SCOPE OF WORK IS AS SHOWN ON THE PLANS AND DETAILED IN THE SPECIFICATIONS.
- ALL THE WIRE SIZES ARE BASED ON COPPER, ALUMINUM IS NOT TO BE USED.
- ALL WIRING METHODS ARE TO BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES. ALL WIRING IS TO BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WIRING IS TO BE CONCEALED.
- PROVIDE INDEPENDENT SEISMIC SUPPORT OF ALL ELECTRICAL EQUIPMENT PER IBC CODE.
- ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS AND PAY FOR ALL REQUIRED FEES, INCLUDING ALL UTILITY FEES.
- ELECTRICAL CONTRACTOR SHALL WARRANT AND GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
- ELECTRICAL CONTRACTOR SHALL PROVIDE PROOF OF LIABILITY AND PROPERTY INSURANCE TO THE OWNER, ALL DEDUCTIBLES SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR IN THE EVENT OF A CLAIM.
- PERSONNEL SAFETY IS OF PRIME IMPORTANCE. NO HAZARDOUS CONDITION MUST BE ALLOWED. EVERY CARE MUST BE TAKEN TO PROTECT CONSTRUCTION AND OTHER PERSONNEL. CLEANUP IS TO BE DONE ON A DAILY BASIS. ELECTRICAL CONTRACTOR TO REMOVE AND DISPOSE OF REFUSE FROM SITE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL LIGHTING FIXTURES, PANELS, SWITCHES, RECEPTACLES, ... ETC.
- ELECTRICAL CONTRACTOR TO VERIFY LIGHTING FIXTURE MOUNTING REQUIREMENTS FOR VARIOUS CEILING TYPES AND ORDER APPROPRIATE HARDWARE.
- REMOVAL OF EXISTING ELECTRICAL EQUIPMENT, PANELS, SWITCHES, RECEPTACLES, CONDUIT, WIRE TIME CLOCKS, EMERGENCY LIGHTING UNITS, FIXTURES, ETC. ARE A PART OF THE SCOPE OF WORK. ALL UNUSED ELECTRICALS SHALL BE REMOVED AS MUCH AS POSSIBLE. THE ELECTRICAL PLAN IS TO NOT SHOW ALL OF THE ELECTRICAL REMOVAL WORK. PROVIDE TEMPORARY EXTENSION OF SYSTEMS THAT ARE TO BE REPLACED SO THAT CRITICAL SYSTEMS MAY BE KEPT IN PARTIAL OPERATION DURING THE CONSTRUCTION EFFORT.
- COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH ARCHITECTURAL AND MECHANICAL PLANS, MAKE FIELD ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS, VERIFY WITH OWNER.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND MECHANICAL CONTRACTOR FOR ITEMS SUPPLIED BY THE MECHANICAL/OTHER DIVISIONS BUT INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO REVIEW ALL THE PLANS FOR THE PROJECT FOR ELECTRICAL WORK.
- ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT POWER NEEDS WITH THE ACTUAL SHOP DRAWINGS FOR THE EQUIPMENT TO BE USED, PRIOR TO STARTING ANY ELECTRICAL WORK.
- ALL ELECTRICAL PENETRATIONS ARE TO BE FIREPROOFED TO MAINTAIN INTEGRITY OF FIRE WALLS/FLOORS/CEILINGS.
- PROVIDE LAMICOID NAMEPLATES FOR ALL ELECTRICAL DISTRIBUTION AND DISCONNECT EQUIPMENT.
- THE DISPOSAL OF ALL UNUSED EXISTING ELECTRICAL EQUIPMENT REMOVED IS A PART OF THE SCOPE OF WORK. THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF ALL SUCH EQUIPMENT, INCLUDING HAZARDOUS PCB CONTAINING BALLASTS, IN A MANNER CONSISTENT WITH STATE OF CT. DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS, CURRENT ISSUE.
- SHARED NEUTRALS ARE NOT TO BE USED. PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.
- PRIOR TO SUBMISSION OF BIDS GIVE WRITTEN NOTICE TO ARCHITECT AND ENGINEER OF ANY MATERIAL OR APPARATUS THAT IS INADEQUATE, UNSUITABLE FOR THE USE, IN VIOLATION OF LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR AFFIRMS THAT ABSENT SUCH NOTICE, ALL SYSTEMS WILL FUNCTION SATISFACTORILY WITHOUT ADDITIONAL EXTRA COMPENSATION.
- ALL PART NUMBERS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THEY ARE NOT TO BE CONSIDERED THE COMPLETE SPECIFICATION OF THE PRODUCT. THE PART NUMBER AND DESCRIPTION WILL BE THE COMPLETE SPECIFICATION. IN THE EVENT OF A DISCREPANCY BETWEEN THE TWO, THE MORE STRINGENT, MORE COSTLY FEATURE/PERFORMANCE WILL BE REQUIRED.
- FOR ALL ROOFTOP OR GRADE LEVEL HVAC EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL SUPPLY A GFCI WP, 20A RECEPTING FOR EQUIPMENT SERVICING. ALL DISCONNECT SWITCHES ARE TO BE HEAVY DUTY, DUSE, WEATHER PROOF (WP) DEVICES.
- AT THE CONCLUSION OF THE PROJECT WHILE THE PROJECT IS OCCUPIED AND OPERATING NORMALLY, THE CONTRACTOR IS TO TAKE AND RECORD OPERATING CURRENTS IN THE DISTRIBUTION SYSTEM AND REPORT THESE READINGS TO THE ENGINEER FOR EVALUATION. ENGINEER SHOULD BE ADVISED WHEN THE READINGS ARE TO BE MADE SO THAT HE MAY ATTEND AND WITNESS SAME.
- RISER DIAGRAMS ARE PROVIDED TO SHOW DIAGRAMMATIC GENERAL WIRING REQUIREMENTS. WIRING IS TO BE PROVIDED FOR THE PARTICULAR VENDOR/SYSTEM APPROVED FOR THE PROJECT. ALL WIRING IS TO BE CONCEALED.
- ALL WIRING IN AIR PLENUM CEILINGS SHALL BE TEFLON COATED AND RATED FOR USE WITHIN THE PLENUM.
- NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS POWER WIRING.
- EMERGENCY SERVICES SHALL BE RUN IN SEPARATE RACEWAYS FROM ALL OTHER SYSTEMS.
- PROVIDE DRAG LINES IN ALL EMPTY RACEWAYS.
- CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE CIRCUITS EVENLY ON ALL PHASES.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND OUTLETS.
- CONTRACTOR TO PROVIDE ALL COORDINATION FOR UTILITY SERVICES FOR THE PROJECT. THIS INCLUDES POWER UTILITY, TELEPHONE COMPANY AND CABLE TV OPERATOR.
- CONTRACTOR TO PROVIDE ALL TEMPORARY POWER FOR THE PROJECT. PROVIDE ALL UTILITY COMPANY COORDINATION FOR ALL SERVICES.
- FOR ALL FLOOR BOXES WITH DATA COMMUNICATIONS SERVICES PROVIDE (2) 3/4" EMPTY CONDUITS TO HUNG CEILING OR OTHER ACCESSIBLE SPACE. INSTALL A DRAG WIRE.
- FOR ALL WALL/CEILING BOXES FOR DATA COMMUNICATIONS PROVIDE 3/4" EMPTY CONDUITS TO HUNG CEILING OR OTHER ACCESSIBLE SPACE. INSTALL A DRAG WIRE.
- ELECTRICAL CONTRACTOR SHALL PAY ANY ADDITIONAL COST FOR THE UTILITY WORK ASSOCIATED WITH THE PROJECT.
- PROVIDE UPDATED DIRECTORY OF EACH AND EVERY EXISTING PANELBOARD/LOAD CENTER AFFECTED BY THIS ALTERATION.
- MINIMUM CONDUCTOR SIZE FOR A FULLY LOADED 20A CIRCUIT, UNLESS OTHERWISE NOTED, SHALL BE #12 FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 60 FEET, #10; OVER 105 FEET, #8; INCREASE CONDUIT SIZE TO SUIT.
- ELECTRICAL CONTRACTOR TO VERIFY LOADS, SETTINGS, OVERCURRENT PROTECTION, ... ETC TO INSURE COMPATIBILITY OF EQUIPMENT.
- DISCONNECT SWITCHES AND CIRCUIT BREAKER USED AS SWITCHES SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE "NEC" SECTION 404.4. ALL DISCONNECT SWITCHES AND CIRCUIT BREAKERS SHALL BE LOCATED SO THAT THEY MAY BE OPERATED FROM A READILY ACCESSIBLE PLACE. THEY SHALL BE INSTALLED SUCH THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IN ITS HIGHEST POSITION, IS NOT MORE THAN 6'-7" ABOVE THE FLOOR OR WORKING PLATFORM.
- IN ADDITION TO THE REQUIREMENTS SHOWN FOR LOW VOLTAGE EQUIPMENT AND RACEWAYS, THE ELECTRICIAN SHALL CARRY AN ALLOWANCE FOR FINAL COORDINATION AND INSTALLATION OF ALL RACEWAYS AND SLEEVES REQUIRED TO FACILITATE THE LOW VOLTAGE CONSULTANT WORK.

ARCHITECT:

