

SUNY PURCHASE COLLEGE CAFE RENOVATION

735 ANDERSON HILL RD, PURCHASE, NY 10577

SUNY PROJECT NUMBER - SU200002

ISSUED FOR: BID, JULY, 26 2019

SHEET INDEX

GENERAL			ISSUED FOR:	PHASE ONE SPRINKLER ROOM:	CAFE RENOVATION:
G000	TITLE SHEET	BID		06/12/2019	07/26/2019
G001	GENERAL NOTES	BID		06/12/2019	07/26/2019
G002	GENERAL NOTES	BID		06/12/2019	07/26/2019
G003	ADA STANDARDS, SYMBOLS & ABBREVIATIONS	BID		06/12/2019	07/26/2019
G004	CODE DATA	BID		06/12/2019	07/26/2019
G100	CODE PLAN & ANALYSIS BASEMENT	BID		06/12/2019	07/26/2019
G101	CODE PLAN & ANALYSIS FIRST FLOOR	BID		06/12/2019	07/26/2019
G102	CODE PLAN & ANALYSIS SECOND AND THIRD FLOOR	BID		06/12/2019	07/26/2019
CIVIL SITE & LANDSCAPING					
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C2	LEGEND & GENERAL NOTES	BID		06/12/2019	
C3	SITE UTILITIES PLAN	BID		06/12/2019	
C4	DETAILS	BID		06/12/2019	
TS105	TOPOGRAPHIC SURVEY	BID		06/12/2019	
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AD101	FIRST FLOOR DEMOLITION PLAN	BID			07/26/2019
AD201	FIRST FLOOR CEILING DEMOLITION PLAN	BID			07/26/2019
A101	BASEMENT AND FIRST FLOOR CONSTRUCTION PLAN	BID	06/12/2019		07/26/2019
A102	ENLARGED PLANS & PLAN DETAILS	BID			07/26/2019
A103	ROOF PLAN	BID			07/26/2019
A201	BASEMENT / FIRST FLOOR REFLECTED CEILING PLAN	BID			07/26/2019
A202	CEILING DETAILS I	BID			07/26/2019
A501	DOOR SCHEDULE	BID			07/26/2019
A601	MISCELLANEOUS DETAILS I	BID			07/26/2019
INTERIOR DESIGN					
V100	GENERAL ARRANGEMENT PLAN	BID			07/26/2019
V101	FLOOR FINISH PLAN	BID			07/26/2019
V110	REFLECTED CEILING PLAN	BID			07/26/2019
V111	REFLECTED CEILING PLAN DETAILS	BID			07/26/2019
V200	MILLWORK PLAN	BID			07/26/2019
V201	MILLWORK PLANS & DETAILS	BID			07/26/2019
V202	MILLWORK SECTIONS	BID			07/26/2019
V203	MILLWORK SECTIONS	BID			07/26/2019
V300	INTERIOR ELEVATIONS I	BID			07/26/2019
V301	INTERIOR ELEVATIONS II	BID			07/26/2019
V302	INTERIOR ELEVATIONS III	BID			07/26/2019
V303	INTERIOR ELEVATIONS IV	BID			07/26/2019
V304	INTERIOR ELEVATIONS V	BID			07/26/2019
V305	INTERIOR ELEVATIONS VI	BID			07/26/2019
V400	SIGNAGE DETAILS	BID			07/26/2019
FOOD SERVICE					
Q000	FOODSERVICE EXISTING EQUIPMENT PLAN	BID			07/26/2019
Q001	FOODSERVICE DEMO LAYOUT	BID			07/26/2019
Q002	FOODSERVICE DEMO SCHEDULE	BID			07/26/2019
Q100	FOODSERVICE EQUIPMENT LAYOUT	BID			07/26/2019
Q101	FOODSERVICE EQUIPMENT LAYOUT - BASEMENT	BID			07/26/2019
Q102	FOODSERVICE EQUIPMENT SCHEDULE	BID			07/26/2019
Q200	FOODSERVICE ELECTRICAL CONNECTION LAYOUT	BID			07/26/2019
Q201	FOODSERVICE ELECTRICAL CONNECTION LAYOUT - BASEMENT	BID			07/26/2019
Q202	FOODSERVICE ELECTRICAL CONNECTION SCHEDULE	BID			07/26/2019
Q300	FOODSERVICE PLUMBING CONNECTION LAYOUT	BID			07/26/2019
Q301	FOODSERVICE PLUMBING CONNECTION LAYOUT - BASEMENT	BID			07/26/2019
Q302	FOODSERVICE PLUMBING CONNECTION SCHEDULE	BID			07/26/2019
Q400	FOODSERVICE MECHANICAL LAYOUT	BID			07/26/2019
Q500	FOODSERVICE SPECIAL CONDITIONS LAYOUT	BID			07/26/2019
Q501	FOODSERVICE SPECIAL CONDITIONS LAYOUT	BID			07/26/2019
Q600	HOOD DETAIL	BID			07/26/2019
Q601	HOOD DETAIL	BID			07/26/2019
Q602	WALKIN DETAIL	BID			07/26/2019
FIRE PROTECTION					
FP100	BASEMENT FIRE PROTECTION PLAN	BID	06/12/2019		07/26/2019
FP101	FIRST FLOOR FIRE PROTECTION PLAN	BID	06/12/2019		07/26/2019
FP200	FIRE PROTECTION DETAILS	BID	06/12/2019		07/26/2019
FP201	FIRE PROTECTION NOTES, LEGENDS, & SCHEDULES	BID	06/12/2019		07/26/2019
PLUMBING					
DP100	BASEMENT PLUMBING DEMOLITION PLAN	BID			07/26/2019
DP101	FIRST FLOOR PLUMBING DEMOLITION PLAN	BID			07/26/2019
P100	BASEMENT PLUMBING PLAN	BID			07/26/2019
P101	FIRST FLOOR PLUMBING PLAN	BID			07/26/2019
P200	PLUMBING DETAILS	BID			07/26/2019
P201	PLUMBING NOTES, LEGENDS, AND SCHEDULE	BID			07/26/2019
MECHANICAL					
DM100	BASEMENT MECHANICAL DEMOLITION PLAN	BID			07/26/2019
DM101	FIRST FLOOR MECHANICAL DEMOLITION PLAN	BID			07/26/2019
M100	BASEMENT MECHANICAL PLAN	BID			07/26/2019
M101	FIRST FLOOR MECHANICAL PLAN	BID			07/26/2019
M200	MECHANICAL DETAILS	BID			07/26/2019
M201	MECHANICAL DETAILS	BID			07/26/2019
M202	MECHANICAL DETAILS	BID			07/26/2019
M203	MECHANICAL NOTES, LEGENDS, AND SCHEDULE	BID			07/26/2019
ELECTRICAL					
DE100	BASEMENT ELECTRICAL DEMOLITION PLAN	BID			07/26/2019
DE101	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	BID			07/26/2019
E100	BASEMENT POWER PLAN	BID			07/26/2019
E101	BASEMENT LIGHTING PLAN	BID			07/26/2019
E102	FIRST FLOOR POWER PLAN	BID			07/26/2019
E103	FIRST FLOOR LIGHTING PLAN	BID			07/26/2019
E104	ROOF ELECTRICAL PLAN	BID			07/26/2019
E200	ONE-LINE RISER DIAGRAM	BID			07/26/2019
E201	ELECTRICAL SCHEDULES	BID			07/26/2019
E202	ELECTRICAL SCHEDULES	BID			07/26/2019
E203	ELECTRICAL SCHEDULES	BID			07/26/2019
E204	ELECTRICAL DETAILS	BID			07/26/2019
E205	ELECTRICAL NOTES, LEGENDS, AND DETAILS	BID			07/26/2019

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SUNY PURCHASE COLLEGE

CAFE RENOVATION

735 ANDERSON HILL RD, PURCHASE, NY 10577

NO.	DATE	REVISIONS	DESCRIPTION

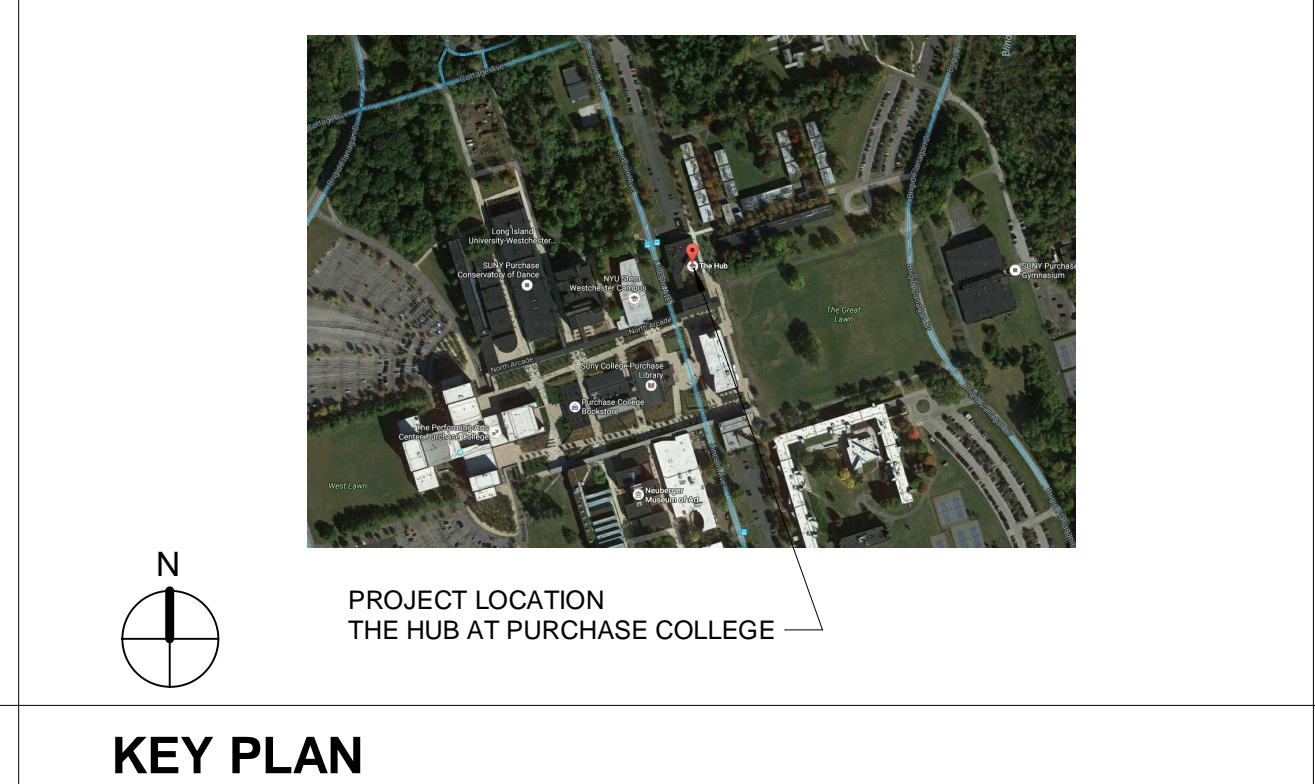
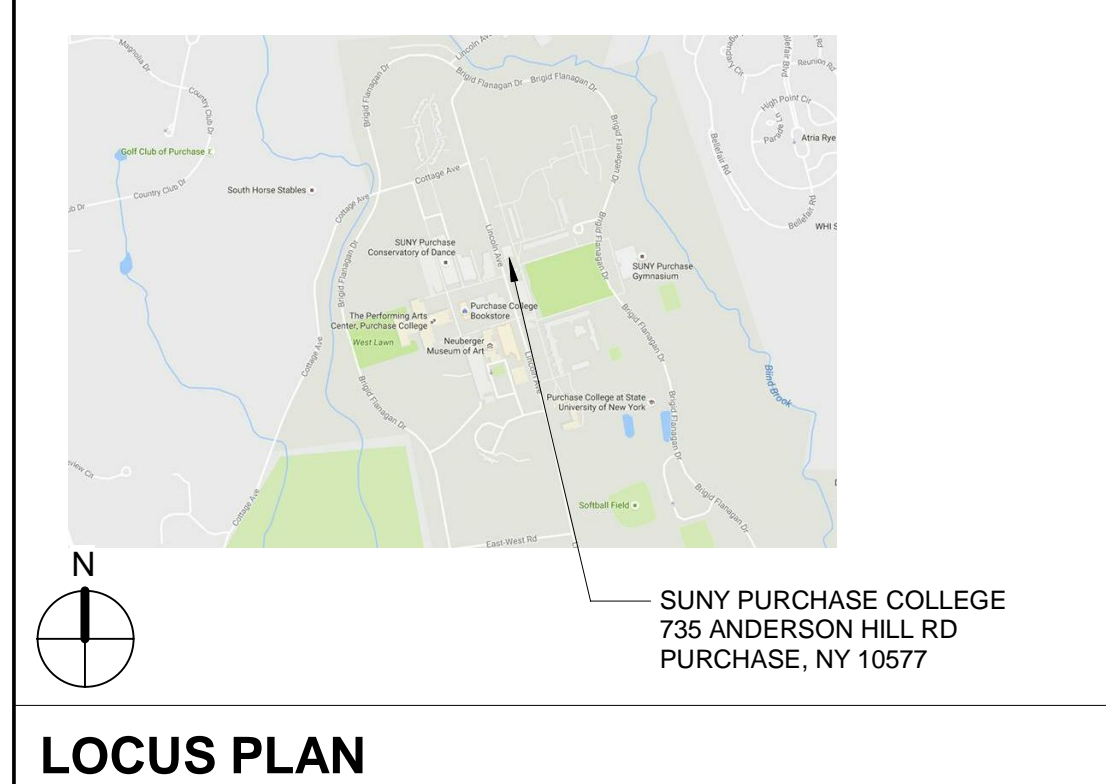
ISSUED FOR: BID
ISSUED DATE: JULY, 26 2019

DRAWN BY: JW
CHECKED BY: CM
PROJECT NUMBER: 1517347
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DRAWING NAME:
TITLE SHEET

DRAWING NO.
G000

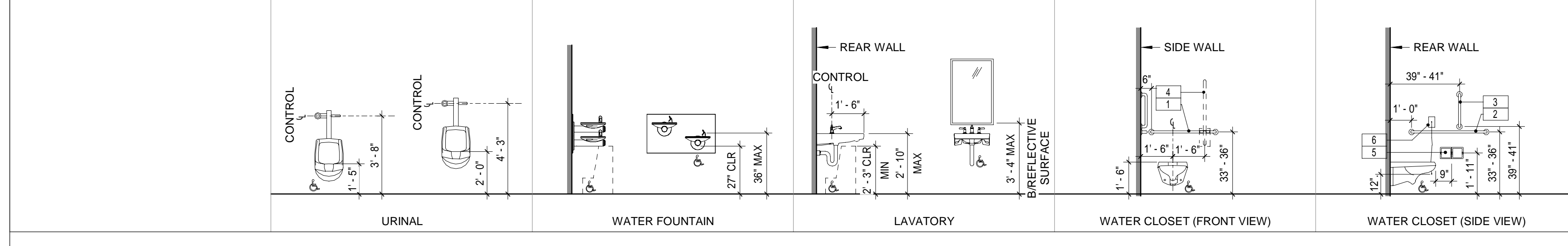
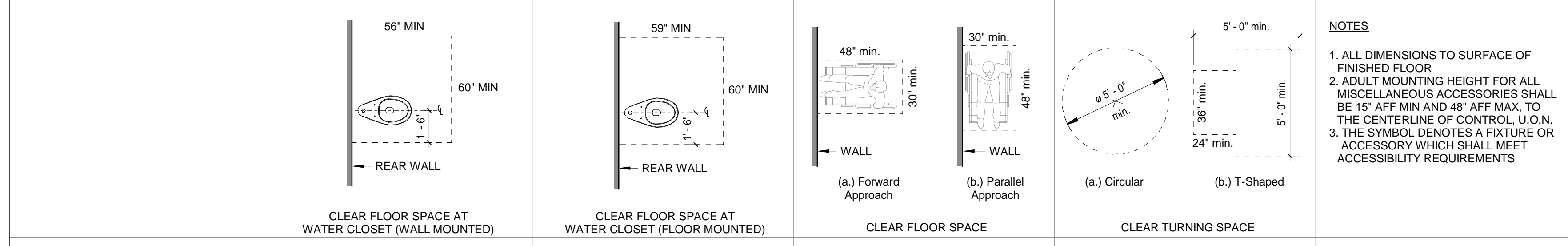
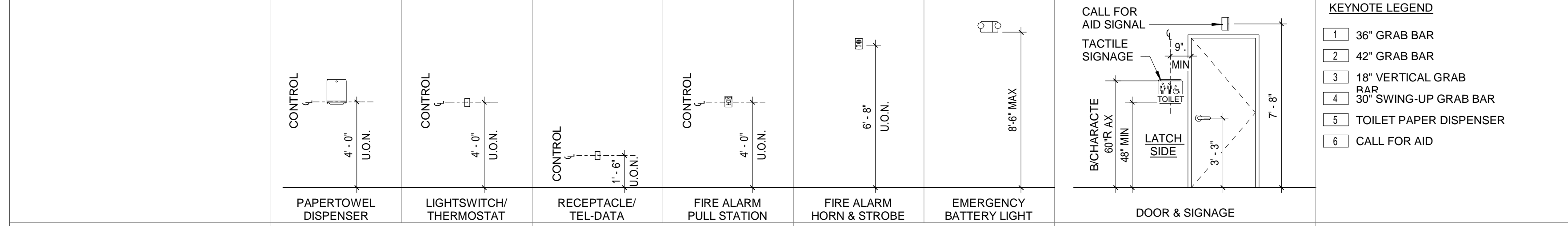
Plot Date: 7/22/2019 3:07:21 PM Dwg Filename: C:\Users\j.woodworth\Documents\SUNY Purchase - Hub_1_woodworth.rvt



<p>PROJECT DESCRIPTION:</p> <p>THIS PROJECT CONSISTS OF SPRINKLER MAIN INSTALLATION.</p> <p>THE PROJECT CONSISTS OF THE FOLLOWING WORK:</p> <ul style="list-style-type: none"> • SPRINKLER MAIN CONNECTION IN STREET. • SPRINKLER MAIN INSTALLATION IN BUILDING AND FIRE PROTECTION SYSTEM. 	<p>OWNER</p> <p>SUNY PURCHASE COLLEGE 735 ANDERSON HILL RD PURCHASE, NY 10577</p> <p>ARCHITECT</p> <p>PHASE ZERO DESIGN 8 WILCOX STREET SIMSBURY, CT 06070 T: 860.264.1624 PROJECT MANAGER: CHRIS MILLIARD E-MAIL: cmilliard@phasezerodesign.com</p> <p>CIVIL ENGINEER</p> <p>DOUCET & ASSOCIATES 136 WEST ST. #103 NORTHAMPTON, MA, 01060 T: 413.208.2349 CONTACT: SHAWN CANTWELL E-MAIL: SCantwell@doucetengineers.com</p>	<p>MEP ENGINEER</p> <p>INNOVATIVE ENGINEERINGS SERVICES 33 NORTH PLAINS INDUSTRIAL ROAD WALLINGFORD, CT, 06492 T: 732.280.5623 CONTACT: PETER PYCELA E-MAIL: ppycela@iesllc.biz</p> <p>DESIGN CONSULTANT</p> <p>VISION BUILDERS 305 FOSTER AVE, SUITE 100 CHARLOTTE, NC 28203 T: 704.405.3106 CONTACT: KEITH FENNELLY E-MAIL: keith@visionbuildersusa.com</p>
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A A.B ANCHOR BOLT ABV ABOVE AVC AIR CONDITIONING ACC ACCESS A.C.T. ACOUSTICAL TILE (CLG) AFF ABOVE FINISH FLOOR A.D. AREA DRAIN ADD ADDENDUM ADH ADHESIVE ADJ ADJUSTABLE AGG AGGREGATE A.H.U. AIR HANDLING UNIT ALT ALTERNATE ALUM ALUMINUM A.P. ACCESS PANEL APX APPROXIMATE ARCH ARCHITECT(U)RAL ASPH ASPHALT A.T. ASPHALT TILE AUTO AUTOMATIC AVG AVERAGE AWING AWNING	D 12"D. 12" DEEP D DRYER OR DRAIN DBL DOUBLE DECO DECORATIVE DEM DEMOLISH, DEMOLITION DEP DEPRESSED DET DETAIL D.F. DRINKING FOUNTAIN DH DOUBLE HUNG DIAM DIAMETER DIM DIMENSION D.L. DEAD LOAD DN DOWN D.P. DAMP-PROOFING DR DOOR DRY DRIVER MACHINE DS DOWNSPOUT D/S DRAWER STACK D.T. DRAIN TILE DTL DETAIL DW DISH WASHER DWG DRAWING DWR DRAWER	I I.B. IRONING BOARD I.D. INSIDE DIAMETER I.L.O. IN LIEU OF I.M. INSULATED METAL INS/INSULATED(ION) INT INTERIOR	J JST JOIST JT JOINT	K KD KNOCKDOWN KIT KITCHEN KO KNOCKOUT KPL KICKPLATE K/S KNEE SPACE	L L.A.M. LAMINATE(D) LAV LAVATORY L.B.O. LOCATION BY OTHERS LIV LIVING L.L. LIVE LOAD L.P. LAMINATED PLASTIC LT LIGHT L.T. LAUNDRY TUB LTL LINTEL LVL VENEER LUMBER LVR LOUVER	M M METER(S) MAX MAXIMUM MAS MASONRY MATL MATERIAL MC MEDICINE CABINET MECH MECHANICAL MFR. MANUFACTURER MH MANHOLE MIN MINIMUM MIR MIRROR MISC MISCELLANEOUS MLD MOULDING MM MILLIMETER MMB MMB MEMBRANE M.O. MASONRY OPENING F.F. FINISH FLOOR F.G. FIXED GLASS FGL FIBERGLASS FIN FINISH FLG FLASHING FLR FLOOR FLUR FLOURESCENT FN FENCE FND FOUNDATION F.O. FACE OF F.F. FIRE PROOF FPHB FIRE PROOF HOSE BIBB FP FIREPLACE FR FRAME FS FULL SIZE FTG FOOTING FUR FURREDDING) F.V. FIELD VERIFY	N N.A. NOT APPLICABLE N.C. NOT IN CONTRACT N.L. N/A NOM NOMINAL N.T.S. NOT TO SCALE N.G.V.D. NAT. GEODETIC VERTICAL DATUM	O OA OVERALL OBS OBSCURE (GLASS) O.C. ON CENTER OHC OVERHEAD CABINET O.D. OUTSIDE DIAMETER O.G.D. OVERHEAD GARAGE DOOR OH OVERHEAD OPNG OPENING OPT OPTIONAL OSB ORIENTED STRAND BOARD	P PAR PARALLEL P.BD. PARTICLE BOARD PCC. PRECAST CONCRETE P.E. PORCELAIN ENAMEL PED PEDIestal (SINK) PERI PERIMETER PKG PARKING PL PLATE P.LAM. PLASTIC LAMINATE PLAS PLASTER PNL PANEL PNT PAINT PR PAIR PREFAB PREFABRICATED PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCHES PTN PARTITION P.T. PRESSURE TREATED PV PAVE(D) OR PAVING PVC POLYVINYL CHLORIDE (PIPE) PVM/T PAVEMENT PWD PLYWOOD	Q Q.T. QUARRY TILE
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R R RISER R/A RETURN AIR R.B. RUBBER BASE RAD RADIUS RBL RUBBLE R.D. ROOF DRAIN REF REFRIGERATOR REQ REQUIRED RES RESILIENT REV REVISION, REVISED REINF REINFORCED(ING) RF'S ROOFING R.J.B. REINFORCED JUNCTION BOX RLG RAILING R&M RANGE W/ MICROWAVE RWL ROOF WATER LEADER R.O. ROUGH OPENING R.O.W. RIGHT OF WAY R&S ROD AND SHELF(S)	S SC SOLID CORE SCH SCHEDULE SD SMOKE DETECTOR SEC SECTION S.F. SQUARE FEET S.F.GL. SAFETY GLASS S.G.D. SLIDING GLASS DOOR SH SINGLE HUNG OR SHELF SHT (DRAWING) SHEET SHTHG SHEATHING SIM SIMILAR SKL SKYLIGHT SL SLEDLIGHT OR SLEEVE SNT SEALANT SPC SPACER SPEC SPECIFICATIONS SPK SPEAKER S.S.T. STAINLESS STEEL STD STANDARD STOR STORAGE STL STEEL STR STRUCTURAL SQ SQUARE SUS SUSPENDED S.W. SHEAR WALL	T T TREAD T.B. TOWEL BAR T.B.D. TO BE DETERMINED TC TERRA COTTA T.C.J. TROWELED CONTROL JOINT TEMP TEMPERATURE T&G TONGUE & GROOVE TEL TELEPHONE THK THICK(NESS) THR THRESHOLD T.O.C. TOP OF COUNTER T.O.F. TOP OF FOUNDATION T.O.M. TOP OF MASONRY T.O.W. TOP OF WINDOW TR TRANSOM TP TOILET PAPER HOLDER TV TELEVISION OUTLET TYP TYPICAL	U UNC UNDERCUT UNF UNFINISHED U.N.O. UNLESS NOTED OTHERWISE	V VB VANITY BASE V.B. VAPOR BARRIER VBH VANITY BASE WIDTH VERT VERTICAL VIN VINYL (SHEET) V.S. VEGTABLE SINK V.C.T. VINYL COMPOSITION TILE	W W# WALL CAB DIMENSIONS W WIDE OR WASHING MACHINE WC WATER CLOSET WD WOOD WF WIDE FLANGE WH WATER HEATER W.H. WALL HUNG WI WROUGHT IRON WIC WALK-IN-CLOSET WIN WINDOW W/W/O WITH OR WITHOUT WP WATERPROOF W.R. WATER RESISTANT W.S. WATER SOFTENER WSCT WAINSCOT W.T.W. WALL TO WALL WWM WELDED WIRE MESH
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(TYPICAL UNLESS OTHERWISE NOTED)
ALL DIMENSIONS SHOWN AS FOLLOWS:

- FRAMED CONSTRUCTION - WALLS: FACE OF STUD TO FACE OF STUD - DOORS/WINDOWS: ROUGH OPENING
- MASONRY/CONCRETE CONSTRUCTION - WALLS: FACE OF MASONRY TO FACE OF MASONRY - DOORS/WINDOWS: MASONRY OPENING
- ALL ANGLES ARE 45 DEGREES OR 90 DEGREES, U.O.N.

NEW FULL HEIGHT STUD WALL
NEW PARTIAL HEIGHT STUD WALL
NEW BRICK WALL
NEW CMU WALL
EXISTING WALL TO BE REMOVED
EXISTING WALL TO REMAIN

ABBREVIATIONS

MATERIALS LEGEND

DIMENSIONING NOTES

WALL LEGEND

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REVISIONS	
NO.	DESCRIPTION

ISSUED FOR BID
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PROJECT NUMBER: 1517347
DRAWING NAME:

ADA STANDARDS, SYMBOLS & ABBREVIATIONS

DRAWING NO. **G003**

Plot Date: 7/22/2019 3:07:27 PM Dwg Filename: C:\Users\woodworth\Documents\SUNY Purchase - Hub_1_woodworth.rvt

PROJECT DATA		
NOTE: THIS PROJECT, INTERIOR RENOVATION HAS BEEN DESIGNED BASED ON 2015 IBC. THE FOLLOWING DATA IS APPLICABLE FOR THE PROJECT WORK AREA WITH A LEVEL 2 ALTERATION.		
ITEM	CODE SECTION(S)	
CONSTRUCTION TYPE	IBC: 602	2B
USE & OCCUPANCY CLASSIFICATION	IBC: 302	SEPERATED MIXED USE: (A-2) / (S-2) / (B) / (R-2)
INCIDENTAL ACCESSORY	IBC: 509	MECHANICAL ROOM
ACCESSORY USE AREA	IBC: 508.2	N/A
ACTUAL BUILDING AREA (SEE PLANS FOR USE SEPERATION S.F.)	IBC: TABLE 506.2	BASEMENT = 17,220 SF FIRST FLOOR = 17,946 SF SECOND FLOOR = 4,000 SF THIRD FLOOR = 4,000 SF TOTAL BUILDING = 45,059 SF
FIRE SURPRESSION	IBC: 903.2.1.2 IEBC: 804.2.4	PARTIAL - (A-2) FIRE AREA WILL BE PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM
FIRE DETECTION	IBC: 907	PROVIDED
TOTAL BUILDING OCCUPANT LOAD	IBC: TABLE 1004.1.2	SEE CODE PLAN
AREA OF REFUGE	IBC: 1009.3 - EXCEPTION 5	NOT REQUIRED WHERE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM. (A-2) FIRE AREA ONLY WILL BE PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM
STAIR WIDTH	IBC: 1009.3 - EXCEPTION 2 & 1011.2	CLEAR WIDTH OF 48" IS NOT REQUIRED WHERE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM. (A-2) FIRE AREA ONLY WILL BE PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM. 44" MINIMUM
MAX TRAVEL DISTANCE	IBC: TABLE 1017.2	(A-2) 250' WITH AUTOMATIC SPRINKLER SYSTEM (S-2) 300' W/OUT AUTOMATIC SPRINKLER SYSTEM (B) 200' W/OUT AUTOMATIC SPRINKLER SYSTEM (R-2) 200' W/OUT AUTOMATIC SPRINKLER SYSTEM
CORRIDOR WIDTH	IBC: TABLE 1020.2	44", MINIMUM
DEAD END CORRIDOR	IBC: TABLE 1020.4	(A-2) = 20' W/OUT AUTOMATIC SPRINKLER SYSTEM (S-2) = 20' W/OUT AUTOMATIC SPRINKLER SYSTEM (B) = 20' W/OUT AUTOMATIC SPRINKLER SYSTEM (R-2) = 20' W/OUT AUTOMATIC SPRINKLER SYSTEM
NUMBER OF EXITS	IBC: 1006.2.11 & IBC: TABLE 1006.2.1	(A-2) = 2 WHEN 500 OR LESS OCCUPANTS (S-2) = 2 WHEN GREATER THAN 75' TRAVEL DISTANCE & 30 OCCUPANTS (B) = 2 WHEN GREATER THAN 75' DISTANCE TRAVEL & 30 OCCUPANTS (R-2) = 2 MINIMUM

PLUMBING FIXTURE COUNT									
NOTE: PER IBC 810.1 - WHERE THE BUILDING OCCUPANCY IS NOT INCREASED BY 20%, ADDITIONAL PLUMBING FIXTURES ARE NOT REQUIRED.									
ASSEMBLY TOTAL OCCUPANTS = 197 / BUSINESS TOTAL OCCUPANTS = 98 / STORAGE TOTAL OCCUPANTS = 31									
OCCUPANCY CLASS		REQUIRED FIXTURE COUNT		CALCULATED FIXTURE COUNT		TOTAL FIXTURES REQUIRED		TOTAL FIXTURES PROVIDED	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
A-2, ASSEMBLY	WATER CLOSETS	1 PER 75	1 PER 75	1.31	1.31				
B, BUSINESS	WATER CLOSETS	1 PER 25	1 PER 25	1.96	1.96	3.42 (4)	3.42 (4)	2 WC* 3 URINALS*	4*
S-2, STORAGE	WATER CLOSETS	1 PER 100	1 PER 100	.15	.15				
A-2, ASSEMBLY	LAVATORIES	1 PER 200	1 PER 200	.49	.49				
B, BUSINESS	LAVATORIES	1 PER 40	1 PER 40	1.22	1.22	1.86 (2)	1.86 (2)	2*	5
S-2, STORAGE	LAVATORIES	1 PER 100	1 PER 100	.15	.15				
A-2, ASSEMBLY	DRINKING FOUNTAIN	1 PER 500		.39					
B, BUSINESS	DRINKING FOUNTAIN	1 PER 500		.19		.61 (1)		2	
S-2, STORAGE	DRINKING FOUNTAIN	1 PER 1000		.03					
A-2, ASSEMBLY	SERVICE SINK	1 SERVICE SINK							
B, BUSINESS	SERVICE SINK	1 SERVICE SINK				1		1	
S-2, STORAGE	SERVICE SINK	1 SERVICE SINK							

FIRE RESISTANCE RATINGS		
ITEM	CODE SECTION(S)	
PRIMARY STRUCTURE FRAME		0 HOUR(S)
BEARING WALLS	IBC: TABLE 601	EXTERIOR: 0 HOUR(S) INTERIOR: 0 HOUR(S)
NON-BEARING WALLS		EXTERIOR: 0 HOUR(S) INTERIOR: 0 HOUR(S)
FLOOR CONSTRUCTION		0 HOUR(S)
ROOF CONSTRUCTION		0 HOUR(S)
SHAFT ENCLOSURES	IBC: 713.4	2 HOUR(S) - CONNECTING 4 STORIES OR MORE, OR WHERE PENETRATING 2 HR FLOOR CONSTRUCTION
EXIT ENCLOSURES	IBC: 1023.2	2 HOUR(S) - CONNECTING 4 STORIES OR MORE, OR WHERE PENETRATING 2 HR FLOOR CONSTRUCTION
CORRIDORS	IBC: TABLE 1020.1	1 HOUR(S) WITHOUT SPRINKLER SYSTEM 0 HOUR(S) WITH SPRINKLER SYSTEM
DOOR RATING	IBC: TABLE 716.5	1 HOUR(S) EXIT ENCLOSURE = 1 HOUR(S) DOOR 1 HOUR(S) CORRIDOR WALL = 1/3 HOUR(S) DOOR
USE GROUPS	IBC: 302	A-2: DINING & KITCHEN B: EDUCATIONAL R-2: DORMITORY S-2: STORAGE
USE GROUPS	IBC: 508.4, TABLE 508.4	2 HOUR(S) - A-2 / B 1 HOUR(S) - A-2 / S-2 2 HOUR(S) - S-2 / B 2 HOUR(S) - R-2 / B (NOT IN RENOVATION SCOPE)
VERTICAL DWELLING UNIT SEPARATION	IBC: 420.2, 708.1	1 HOUR(S) (NOT IN SCOPE)
HORIZONTAL DWELLING UNIT SEPARATION	IBC: 420.3, 711.2.4.3	1 HOUR(S) (NOT IN SCOPE)

APPLICABLE CODE	
CODE	CODE SECTION(S)
BUILDING CODE	2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL RESIDENTIAL BUILDING CODE 2017 UNIFORM CODE SUPPLEMENT 2015 INTERNATIONAL EXISTING BUILDING CODE
PLUMBING CODE	2015 INTERNATIONAL PLUMBING CODE
MECHANICAL CODE	2015 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE	2014 NATIONAL ELECTRICAL CODE (NFPA 70)
FUEL & GAS	2015 INTERNATIONAL FUEL & GAS CODE
ACCESSIBILITY	ACCESSIBILITY
ENERGY CODE COMPLIANCE	2015 INTERNATIONAL ENERGY CONSERVATION CODE W/ 2016 SUPPLEMENT

CODE INFORMATION KEY			
	AREA LOAD = OCC		CALCULATED OCCUPANT LOAD
	MAXIMUM TRAVEL DISTANCE		DIRECTION OF EGRESS TRAVEL
	ACTUAL DOOR/STAIR OCC. LOAD ALLOWED DOOR/STAIR CAPACITY.		NON SIMULTANEOUS OCCUPANCY
	HC ACCESSIBLE ROUTE		OCCUPANT LOAD
	1 HOUR RATED WALL ASSEMBLY		2 HOUR RATED VERTICAL SHAFT ASSEMBLY
	2 HOUR RATED WALL ASSEMBLY		
	PROJECT WORK AREA PER IBC ALTERATION LEVEL 2		

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CONSULTANT:

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 CAFE RENOVATION
 735 ANDERSON HILL RD, PURCHASE, NY 10577

NO.	DATE	REVISIONS	
		DESCRIPTION	

ISSUED FOR BID
 ISSUED DATE: JULY, 26 2019

DRAWN BY: JW
 CHECKED BY: CM
 PROJECT NUMBER: 1517347

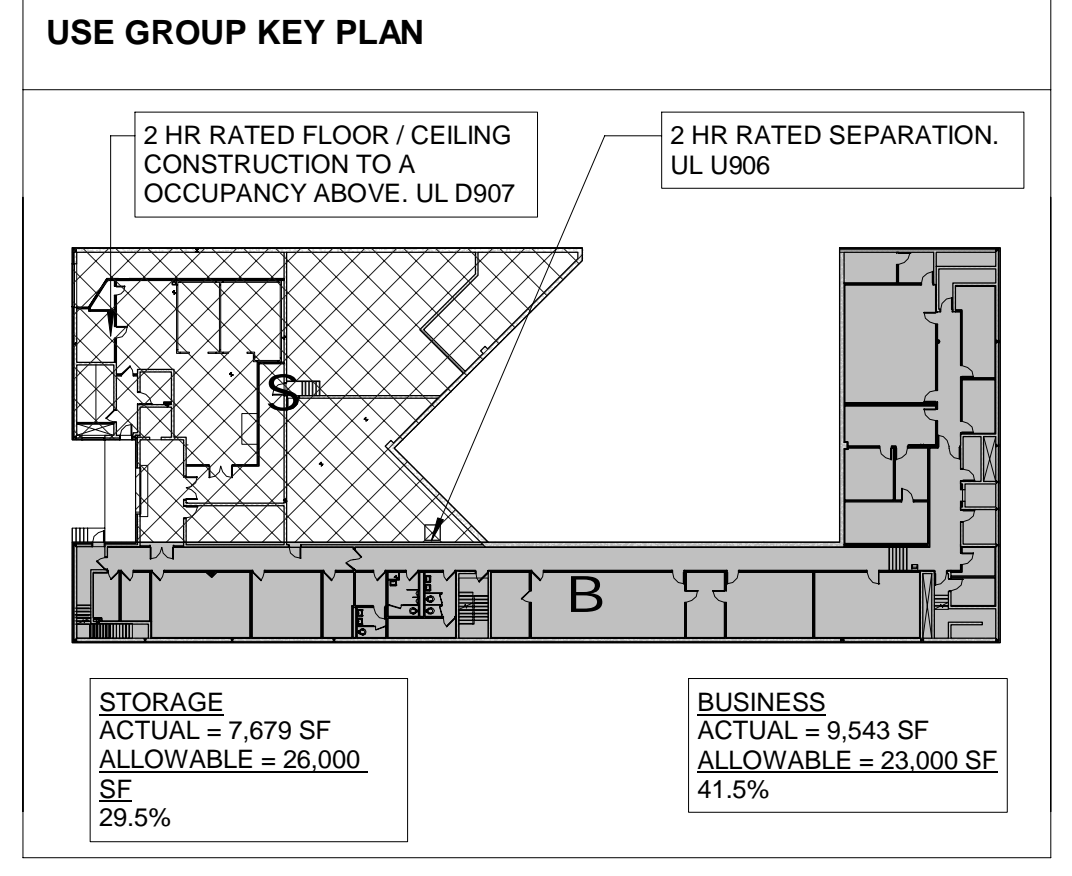
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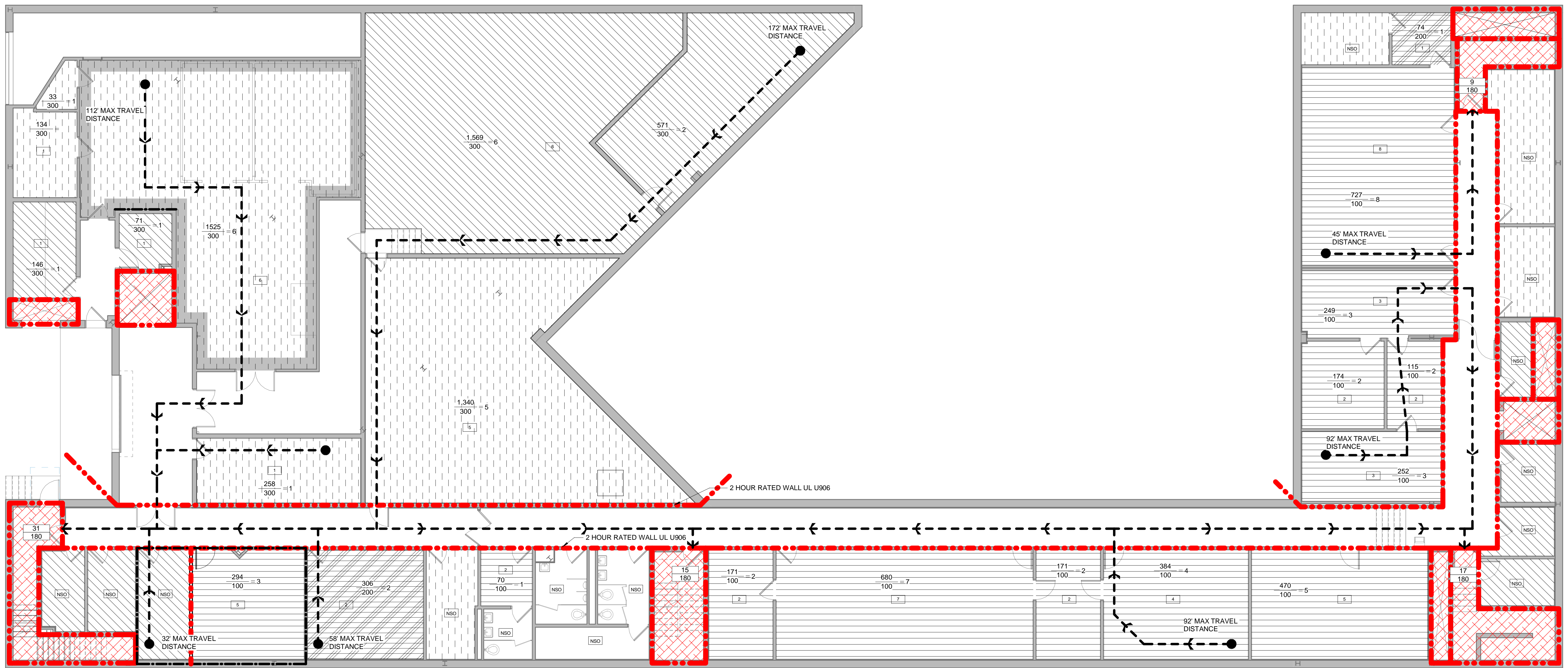
CODE DATA

DRAWING NO.
G004

OCCUPANCY LEGEND	
ACCESSORY	EDUCATIONAL
ASSEMBLY (TABLES & CHAIRS)	STORAGE
BUSINESS	RESIDENTIAL
COMMERCIAL KITCHEN	



CODE INFORMATION KEY			
AREA LOAD	OCC	CALCULATED OCCUPANT LOAD	
		MAXIMUM TRAVEL DISTANCE	
		ACTUAL DOOR/STAIR OCC. LOAD ALLOWED DOOR/STAIR CAPACITY.	
		HC ACCESSIBLE ROUTE	
		1 HOUR RATED WALL ASSEMBLY	
		2 HOUR RATED WALL ASSEMBLY	
		PROJECT WORK AREA PER IEBC ALTERATION LEVEL 2	
		DIRECTION OF EGRESS TRAVEL	
		NON SIMULTANEOUS OCCUPANCY	
		OCCUPANT LOAD	
		2 HOUR RATED VERTICAL SHAFT ASSEMBLY	



Plot Date: 7/22/2019 3:07:35 PM Dwg Filename: C:\Users\woodworth\Documents\SUNY Purchase - Hub_woodworth.rvt

1 BASEMENT CODE PLAN
 1/8" = 1'-0"

REVISIONS		
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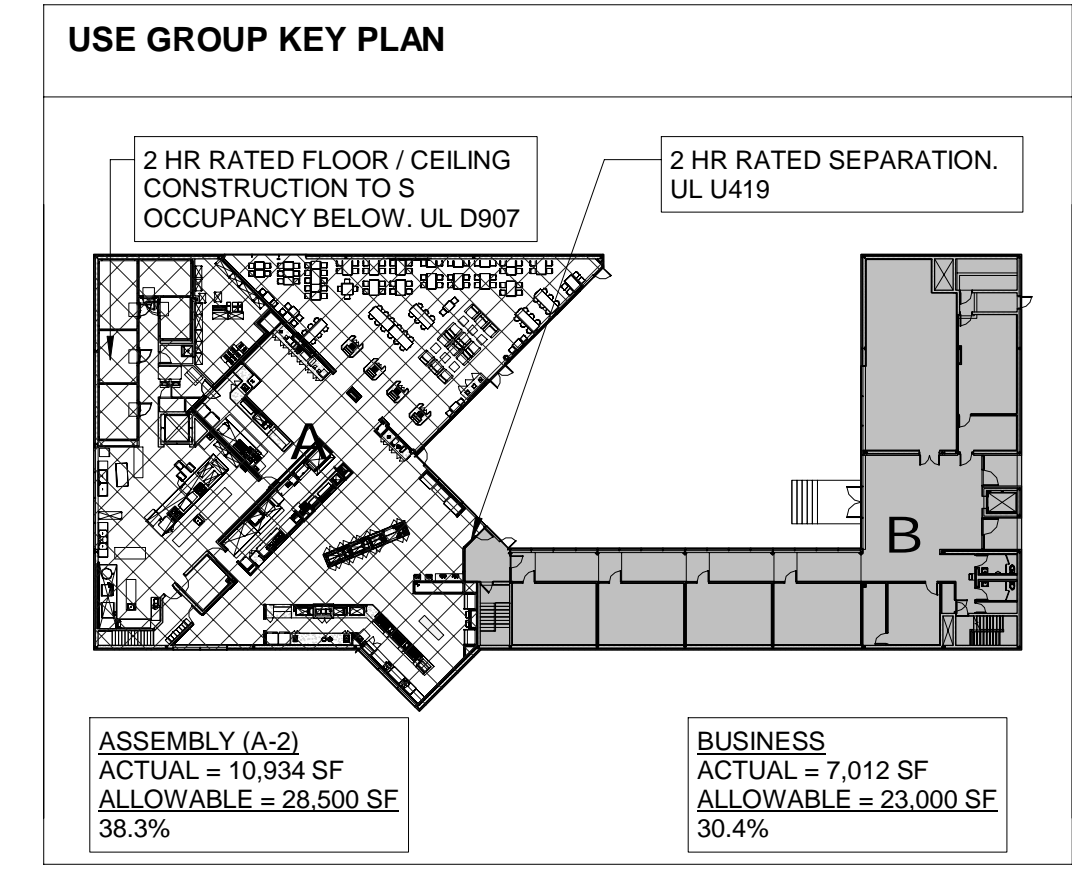
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 PROJECT NUMBER: 1517347

DRAWING NAME:
 CODE PLAN & ANALYSIS BASEMENT

DRAWING NO.
G100

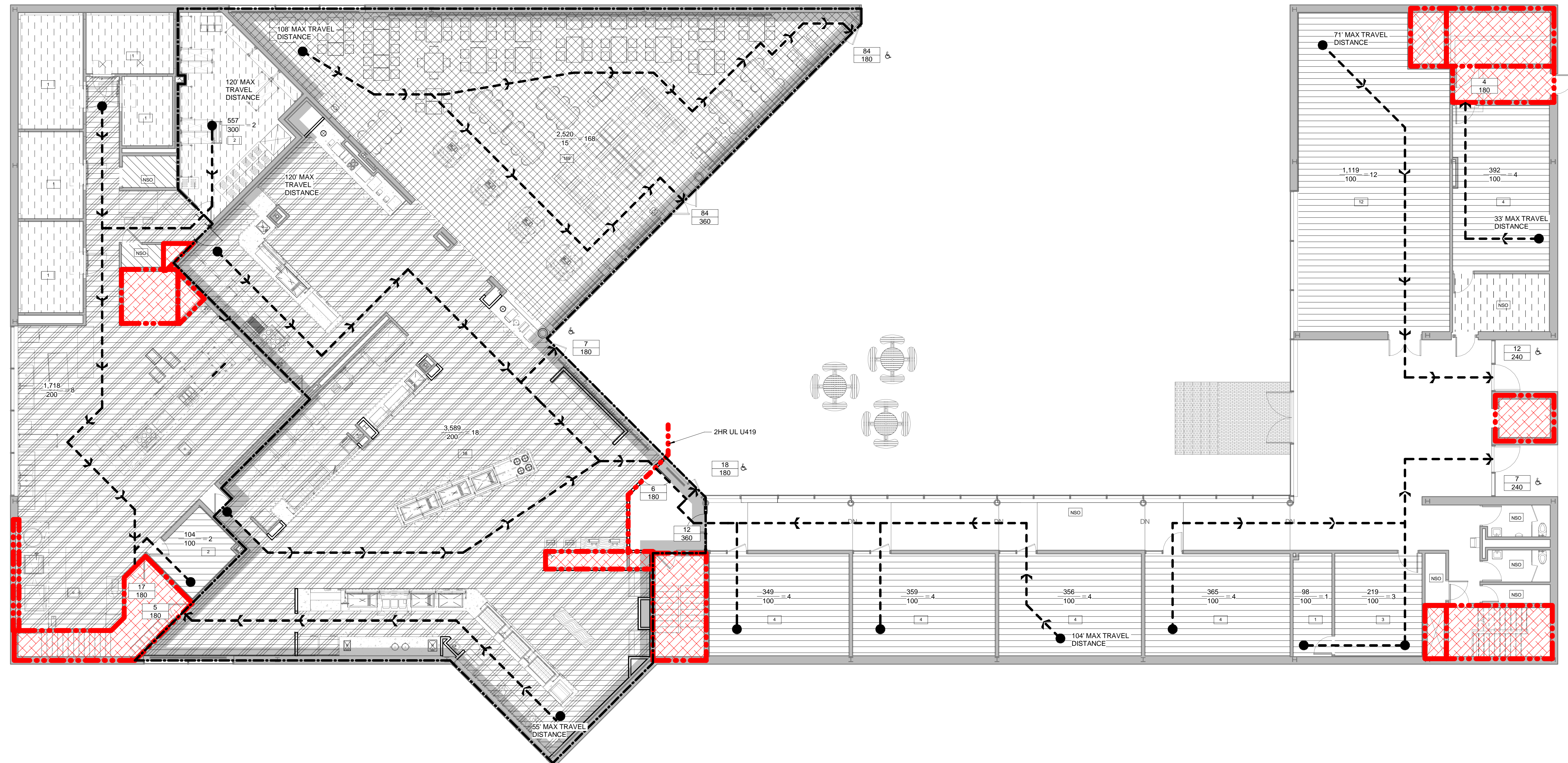
OCCUPANCY LEGEND

ACCESSORY	EDUCATIONAL
ASSEMBLY (TABLES & CHAIRS)	STORAGE
BUSINESS	RESIDENTIAL
COMMERCIAL KITCHEN	



CODE INFORMATION KEY

AREA LOAD = OCC	CALCULATED OCCUPANT LOAD	DIRECTION OF EGRESS TRAVEL
MAXIMUM TRAVEL DISTANCE	ACTUAL DOOR/STAIR OCC. LOAD ALLOWED DOOR/STAIR CAPACITY.	NSO NON SIMULTANEOUS OCCUPANCY
HC ACCESSIBLE ROUTE	1 HOUR RATED WALL ASSEMBLY	# OCCUPANT LOAD
2 HOUR RATED WALL ASSEMBLY	2 HOUR RATED WALL ASSEMBLY	2 HOUR RATED VERTICAL SHAFT ASSEMBLY
PROJECT WORK AREA PER IEBC ALTERATION LEVEL 2		



SUNY PURCHASE COLLEGE
 CAFE RENOVATION
 735 ANDERSON HILL RD, PURCHASE, NY 10577

PROJECT:

NO.	DATE	REVISIONS DESCRIPTION

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DRAWN BY: JW
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PROJECT NUMBER: 1517347

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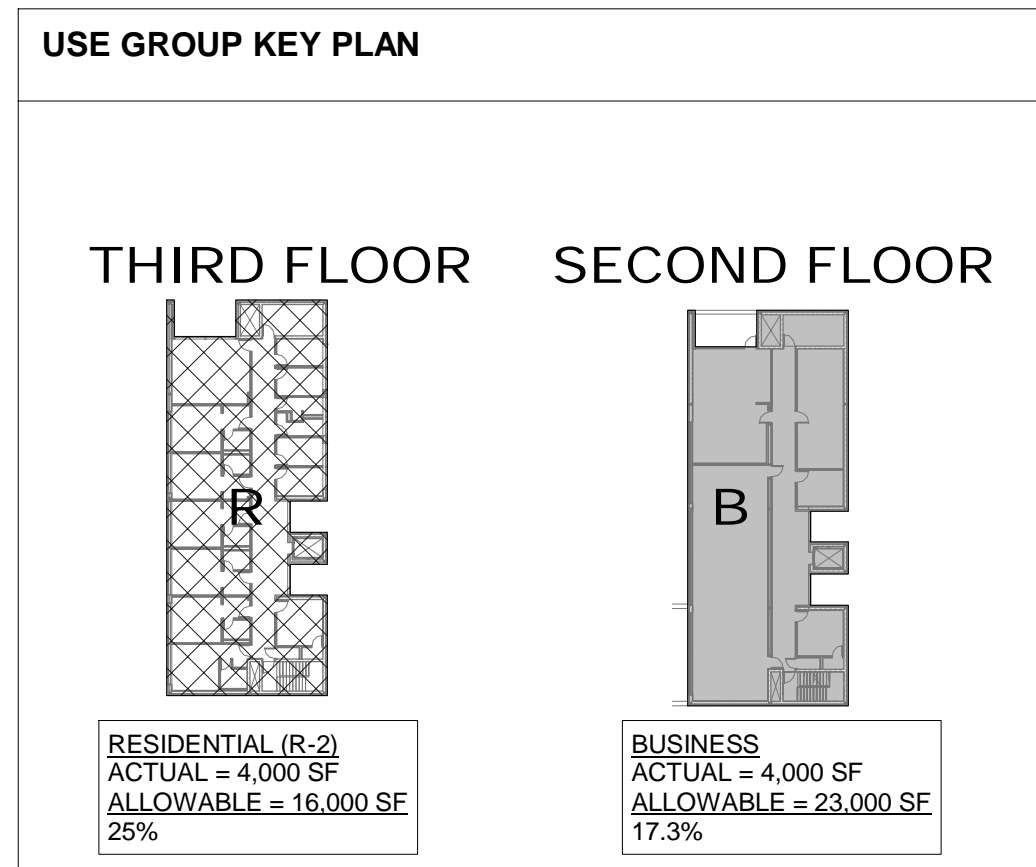
DRAWING NAME:
CODE PLAN & ANALYSIS FIRST FLOOR

DRAWING NO.
G101
 (FOR REFERENCE ONLY)

1 FIRST FLOOR CODE PLAN
 1/8" = 1'-0"

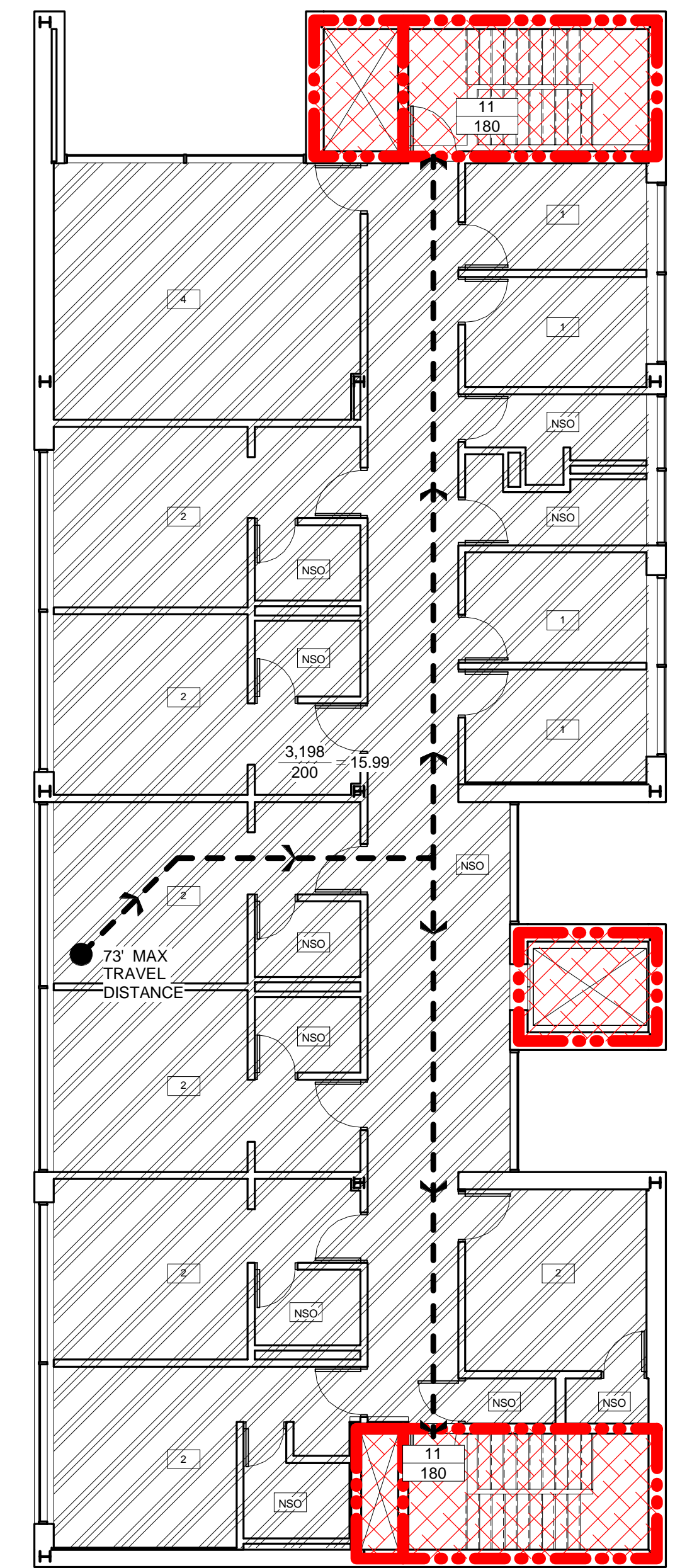
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CODE INFORMATION KEY			
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	MAXIMUM TRAVEL DISTANCE		DIRECTION OF EGRESS TRAVEL
	ACTUAL DOOR/STAIR OCC. LOAD ALLOWED DOOR/STAIR CAPACITY		NON SIMULTANEOUS OCCUPANCY
	HC ACCESSIBLE ROUTE		OCCUPANT LOAD
	1 HOUR RATED WALL ASSEMBLY		2 HOUR RATED VERTICAL SHAFT ASSEMBLY
	2 HOUR RATED WALL ASSEMBLY		
	PROJECT WORK AREA PER IEBC ALTERATION LEVEL 2		



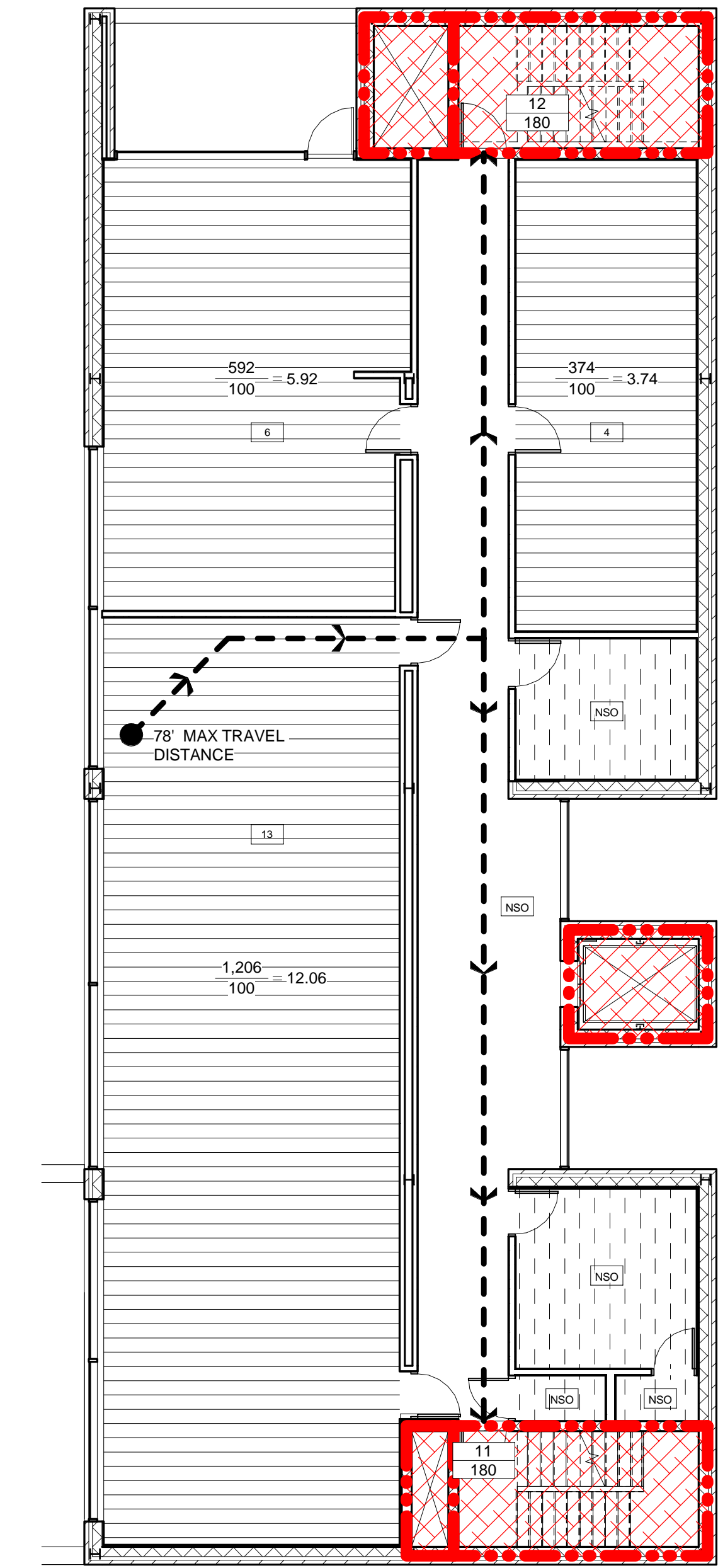
OCCUPANCY LEGEND

ACCESSORY	EDUCATIONAL
ASSEMBLY (TABLES & CHAIRS)	STORAGE
BUSINESS	RESIDENTIAL
COMMERCIAL KITCHEN	



NO WORK THIS AREA

② THIRD LEVEL - CODE PLAN
1/8" = 1'-0"



NO WORK THIS AREA

① SECOND LEVEL - CODE PLAN
1/8" = 1'-0"

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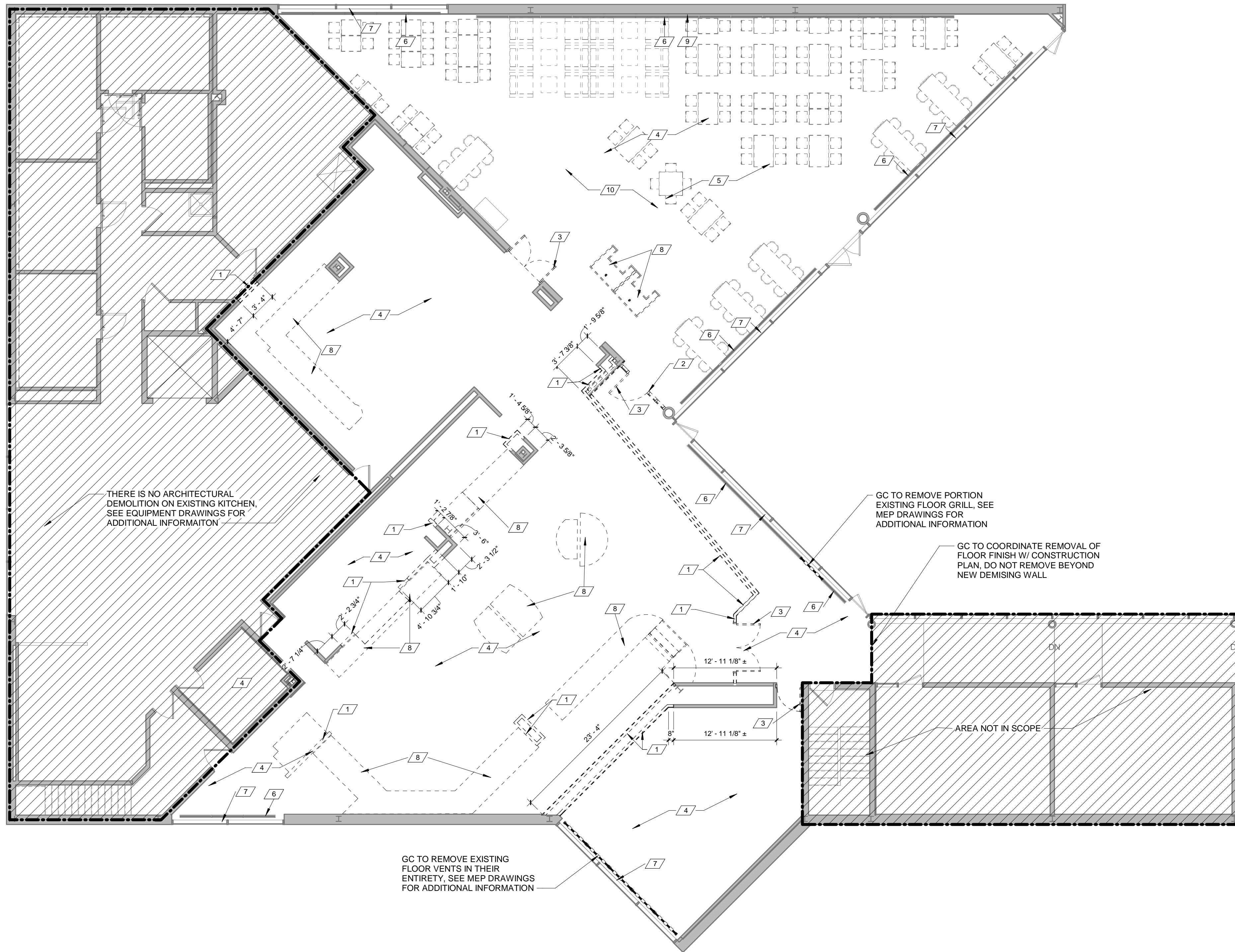
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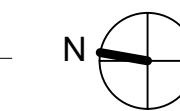
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**CODE PLAN & ANALYSIS
SECOND AND
THIRD FLOOR**

DRAWING NO.
G102
(FOR REFERENCE ONLY)

Plot Date: 7/22/2019 3:11:11 PM Dwg Filename: C:\Users\j.woodworth\Documents\SUNY Purchase - Hub_1.woodworth.rvt



1 DEMO FLOOR PLAN
1/8" = 1'-0"



DEMOLITION FLOOR PLAN NOTES

1. THE G.C. IS TO FIELD VERIFY ALL DIMENSIONS USING THE CONSTRUCTION DOCUMENTS. IF ANY DISCREPANCIES EXISTING, G.C. TO MARK UP DRAWINGS THAT REFLECT THE ACTUAL CONDITION. FORWARD THEM TO THE ARCHITECT WITHIN (3) DAYS FOR REVIEW AND CLARIFICATION AS REQUIRED.
2. THE G.C. IS TO VERIFY THE EXISTING CONDITIONS OF THE SPACINGS INCLUDING BUT NOT LIMITED TO SLAB CONDITION AND ANY ISSUES THAT MAY EFFECT NEW FLOOR FINISH. IF ANY ISSUES EXIST, CONTACT ARCHITECT.
3. NO DEMOLITION SHALL TAKE PLACE OUTSIDE OF THE SCOPE OF WORK WITHOUT THE APPROVAL OF THE OWNER.
4. GC IS TO REFER TO Q010 EQUIPMENT DEMO LAYOUT FOR ADDITIONAL DEMOLITION NOTES.
5. GC TO REFER STRUCTURAL DRAWINGS AND MEP DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
6. PATCH ALL FLOOR OPENINGS EXPOSED FROM DEMOLITION WITH RATED CONSTRUCTION TO MAINTAIN 2 HOUR SEPERATION PER UL1807
7. GC SHALL COORDINATE THE REMOVAL AND STORAGE OF ALL EXISTING EQUIPMENT TO BE REUSED.
8. GC SHALL PATCH ALL WALLS TO REMAIN WHICH MAY HAVE RECEIVED DAMAGE DURING DEMOLITION.

FLOOR DEMOLITION SCHEDULE

1	DEMOLISH PORTION OF EXISTING WALL CONSTRUCTION.
2	DEMOLISH EXISTING STOREFRONT SYSTEM.
3	REMOVE EXISTING DOOR AND FRAME.
4	REMOVE EXISTING FLOOR FINISH AND WALL BASE.
5	ALL EXISTING FURNITURE TO BE STORED FOR REINSTALLATION.
6	EXISTING FLOOR VENTS TO REMAIN. GC TO PROTECT AS NEEDED DURING CONSTRUCTION.
7	EXISTING WINDOW TO REMAIN. PROTECT AS NEEDED DURING DEMOLITION.
8	REMOVE EXISTING MILLWORK AND ALL ASSOCIATED EQUIPMENT AND UTILITIES.
9	EXISTING PROJECTOR AND PROJECTOR SCREEN TO BE REMOVED ENTIRELY AND RETURNED TO COLLEGE.
10	EXISTING SPEAKERS ARE TO BE REMOVED DURING DEMOLITION/ CONSTRUCTION AND REINSTALLED IN SAME LOCATIONS.

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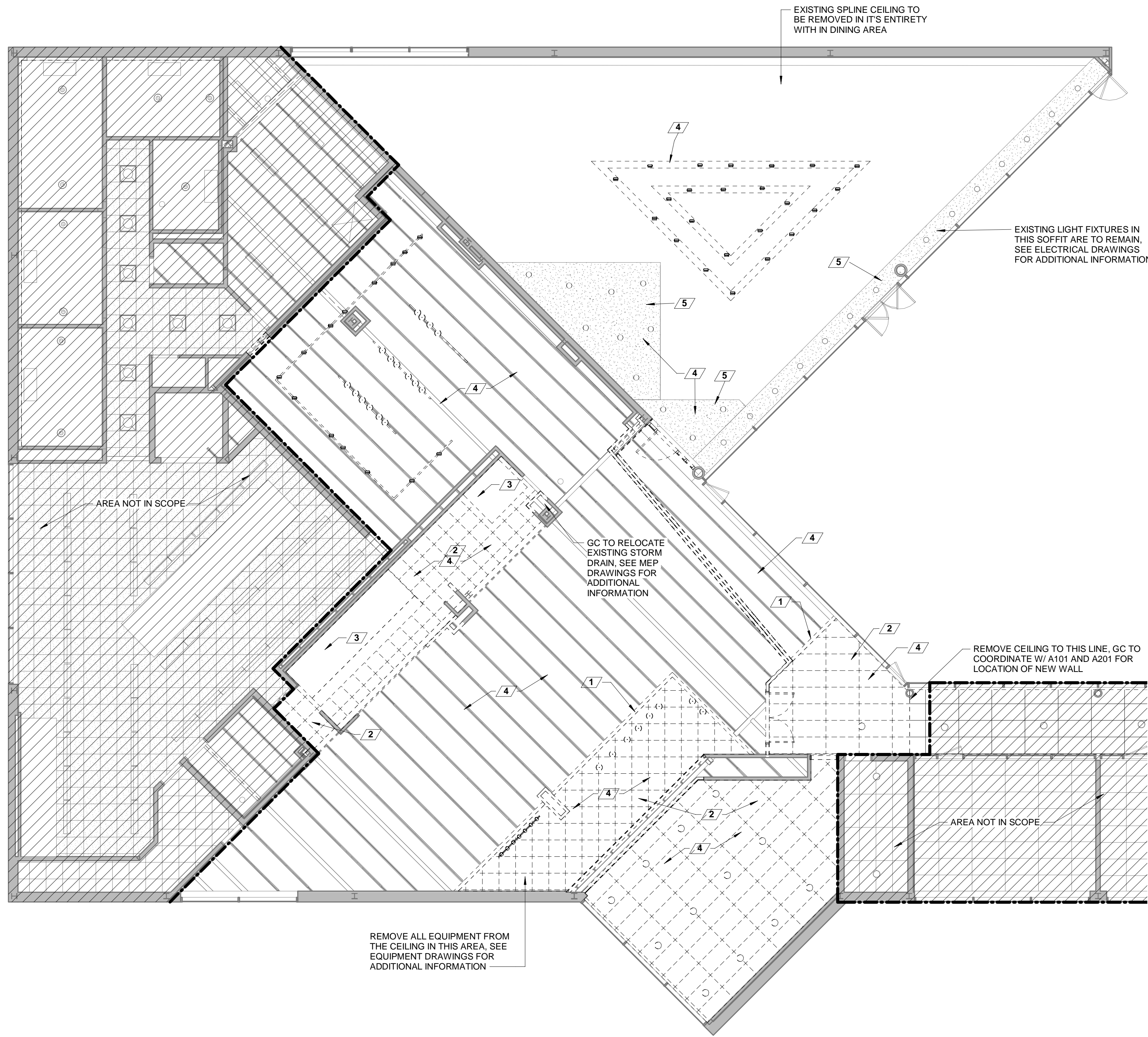
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DRAWING NAME:
FIRST FLOOR DEMOLITION PLAN
 DRAWING NO.
AD101

CEILING DEMOLITION CODED NOTES	
1	REMOVE EXISTING GYPSUM CEILING/SOFFIT IN ITS ENTIRETY.
2	REMOVE PORTION OF EXISTING ACCT TILE CEILING (AND GRID).
3	EXISTING KITCHEN HOOD TO REMAIN. SEE EQUIPMENT DRAWINGS. PROTECT DURING CONSTRUCTION.
4	REMOVE ALL EXISTING LIGHT FIXTURES IN THIS AREA UNLESS OTHERWISE NOTED. PATCH & REPAIR CEILING AS REQUIRED.
5	NOT USED.

CEILING DEMOLITION NOTES	
1.	GC IS TO REFER TO EQUIPMENT DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
2.	REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
3.	GC SHALL PATCH ALL WALLS AND SOFFITS TO REMAIN WHICH MAY HAVE BEEN DAMAGED DURING DEMOLITION.



① DINING LEVEL - DEMO CEILING PLAN
 1/8" = 1'-0"

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DRAWING NAME:
**FIRST FLOOR
 CEILING
 DEMOLITION PLAN**

DRAWING NO.
AD201

FLOOR PLAN GENERAL NOTES:

1. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL NEW WET WALLS LOCATIONS, UNLESS OTHERWISE NOTED.
2. ALL NEW WALLS THAT ARE TO RECEIVE FRP OR CERAMIC TILE SHALL HAVE CEMENT BACKER BOARD IN LIEU OF GYPSUM BOARD. SEE FINISH DRAWINGS FOR LOCATIONS. SEE FINISH LEGEND & INTERIOR ELEVATIONS FOR WALL FINISHES.
3. REFERENCE CEILING PLAN, INTERIOR ELEVATIONS AND EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
4. GC TO PATCH AND REPAIR MASONRY WALLS AS NEEDED WHERE DEMOLITION HAS OCCURRED.
5. SEE V100 AND V110 FOR INTERIOR GENERAL ARRANGEMENT PLANS.
6. SEE EQUIPMENT DRAWING FOR ADDITIONAL COOLER OR KITCHEN EQUIPMENT INFORMATION.
7. SEE V100 AND V110 FOR INTERIOR FINISH TAGS.
8. ALL DIMENSIONS ARE FROM FACE OF GYP. BD. TO FACE OF GYP. BD.
9. MILLWORK TO BE PROVIDED BY OTHERS. GC TO COORDINATE STUB-UPS AND ELECTRICAL WITH MILLWORK.

FLOOR PLAN NOTES SCHEDULE

1	EXISTING FLOOR VENTS TO REMAIN.
2	NEW MILLWORK BY OTHERS.
3	CORNER GUARDS. SEE INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND SPEC FOR FINISH INFORMATION.
4	NOT USED
5	AREA NOT IN SCOPE.
6	EXISTING COLUMN TO REMAIN.
7	PROVIDE WINDOW FILM AT INSIDE OF GLAZING THIS AREA. SEE INTERIOR ELEVATIONS AND DETAILS.

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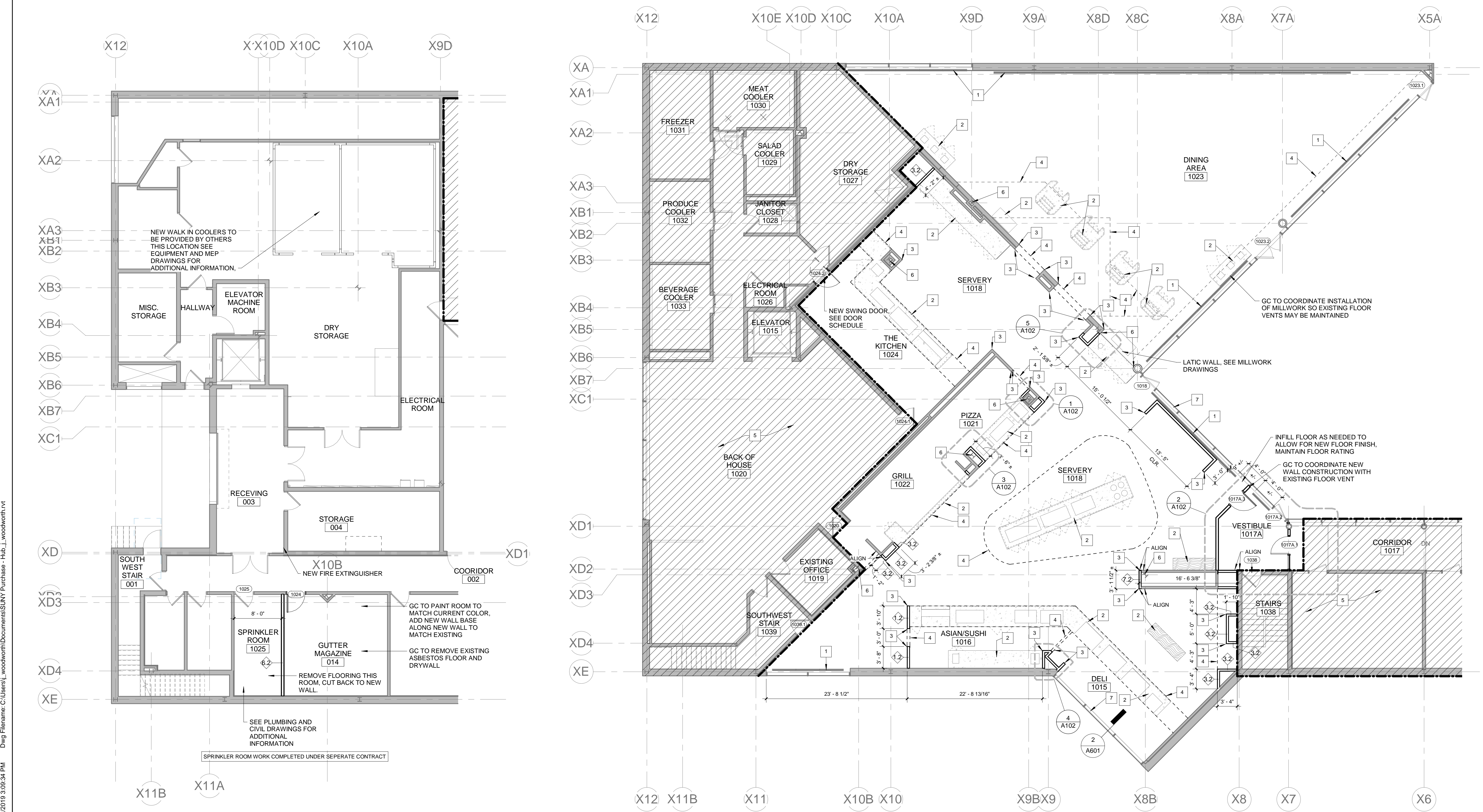
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BASEMENT AND FIRST FLOOR CONSTRUCTION PLAN

DRAWING NO.
A101



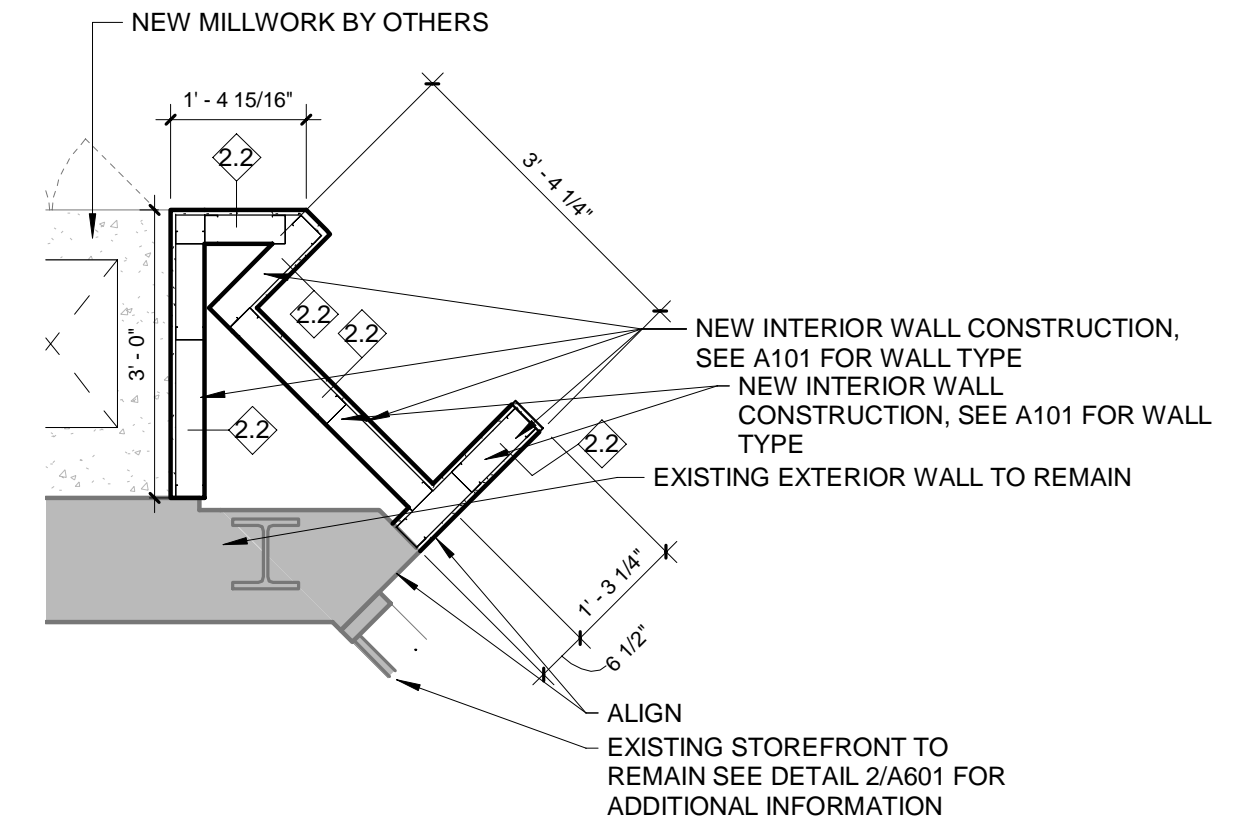
2 DIMENSION PLAN
 1/8" = 1'-0"

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

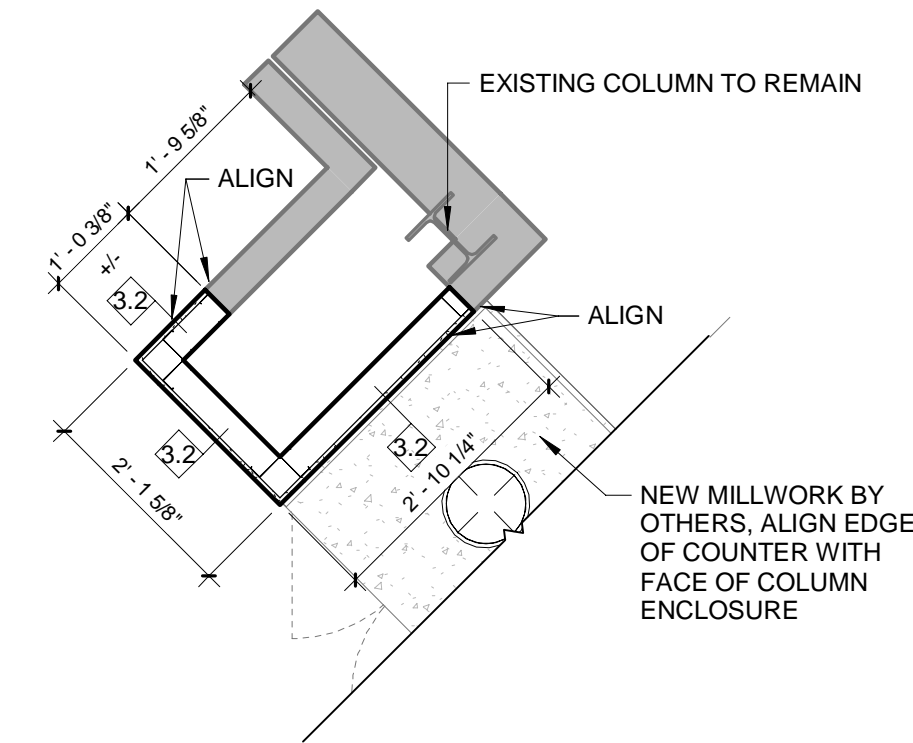
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NO.	DATE	DESCRIPTION	DESCRIPTION

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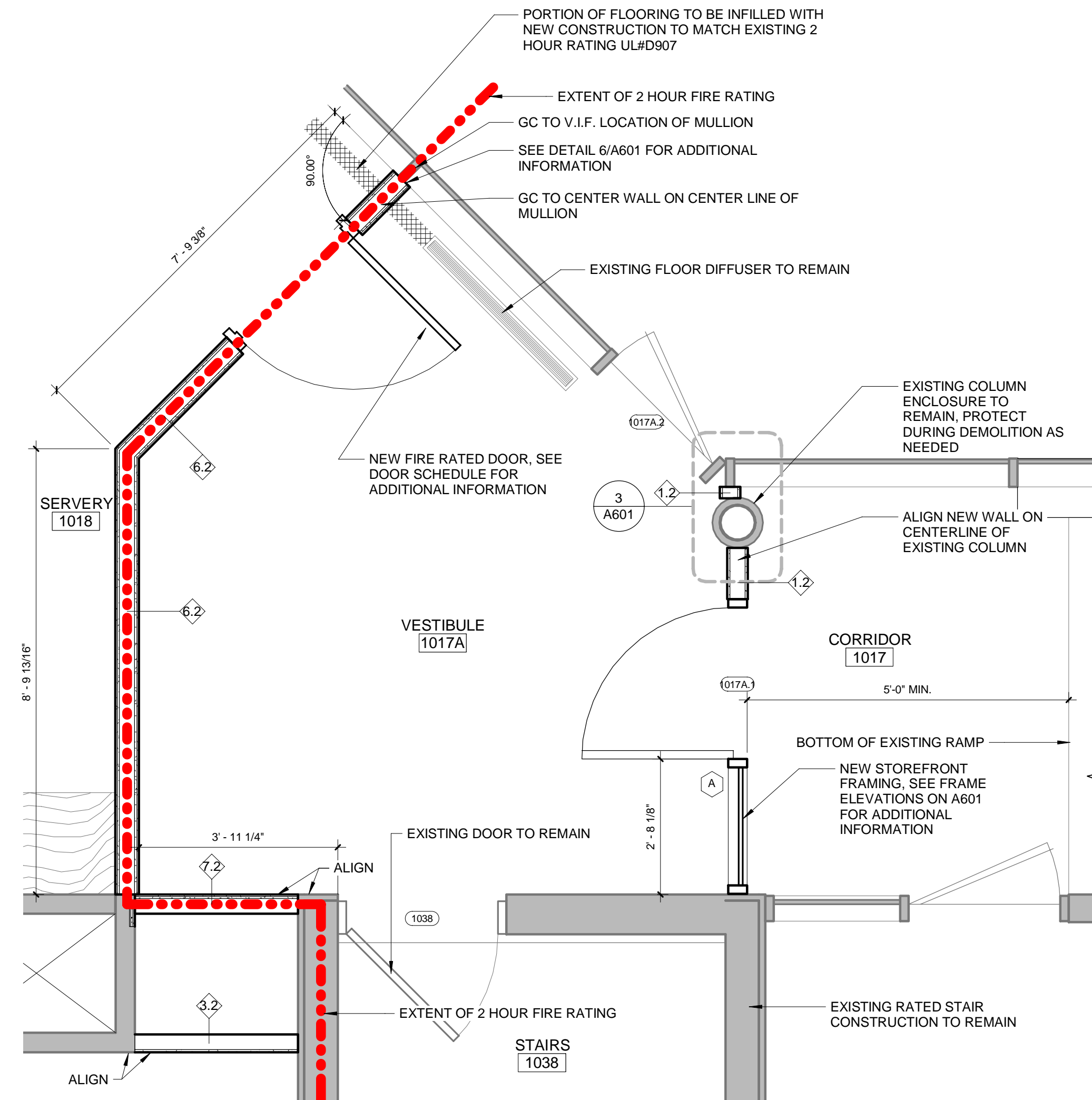
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 ENLARGED PLANS & PLAN DETAILS



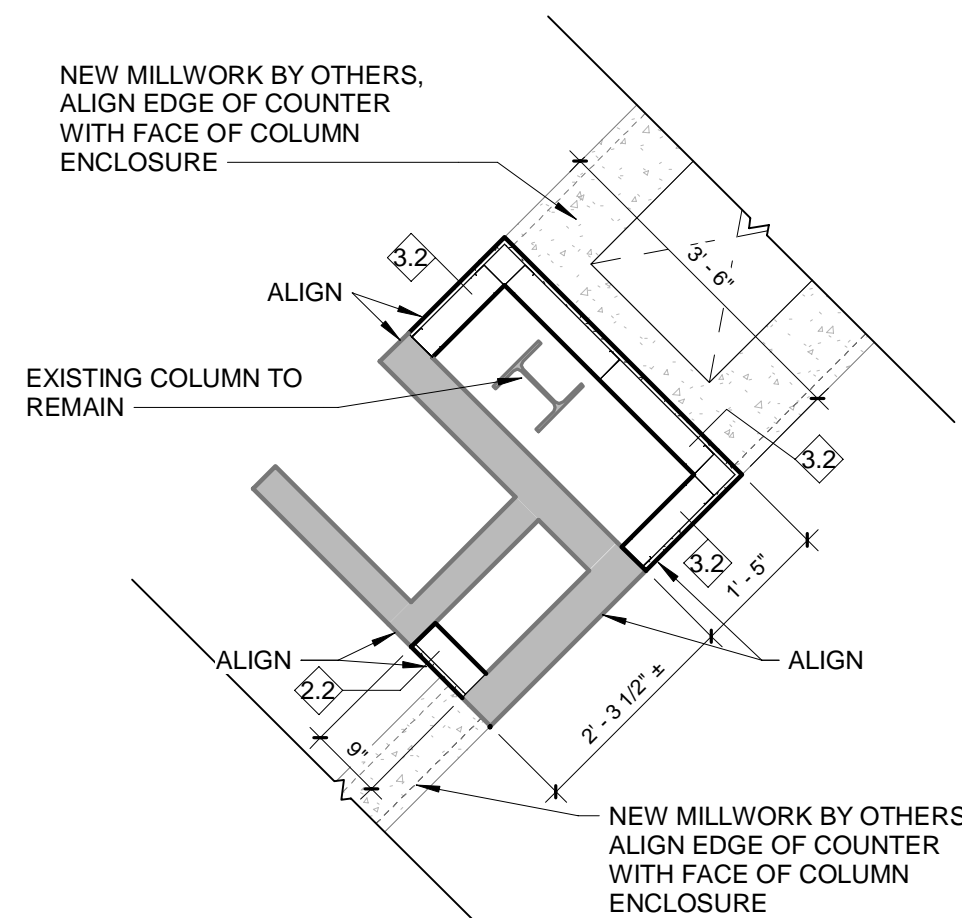
④ PLAN DETAIL
 1/2" = 1'-0"



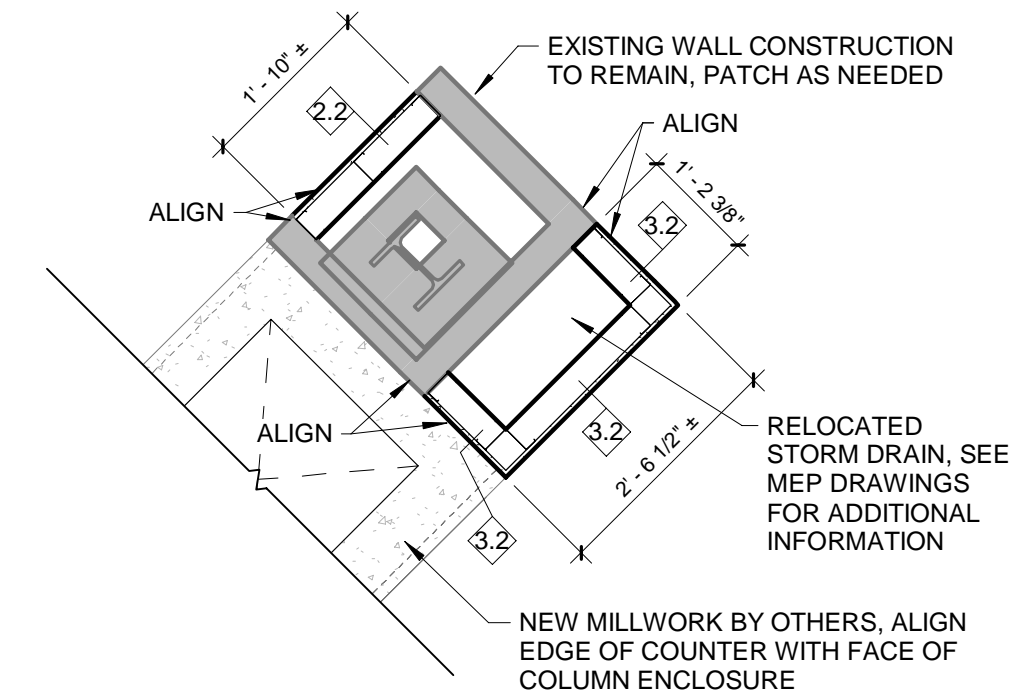
⑤ PLAN DETAIL
 1/2" = 1'-0"



② PLAN DETAIL @ EXISTING HALLWAY
 1/2" = 1'-0"



③ PLAN DETAIL
 1/2" = 1'-0"



① PLAN DETAIL
 1/2" = 1'-0"

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REVISIONS

NO.	DATE	DESCRIPTION
1	03/18/2019	ADDENDUM 1

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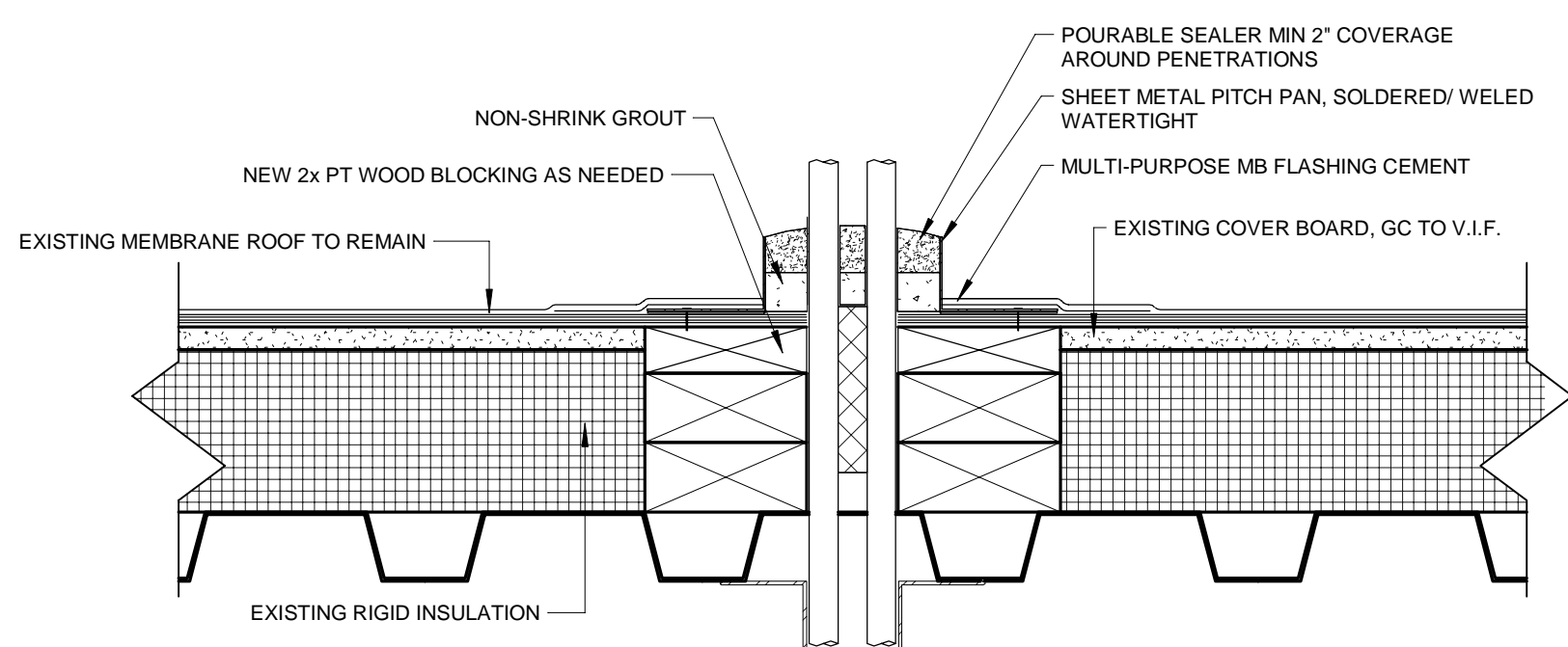
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ROOF PLAN

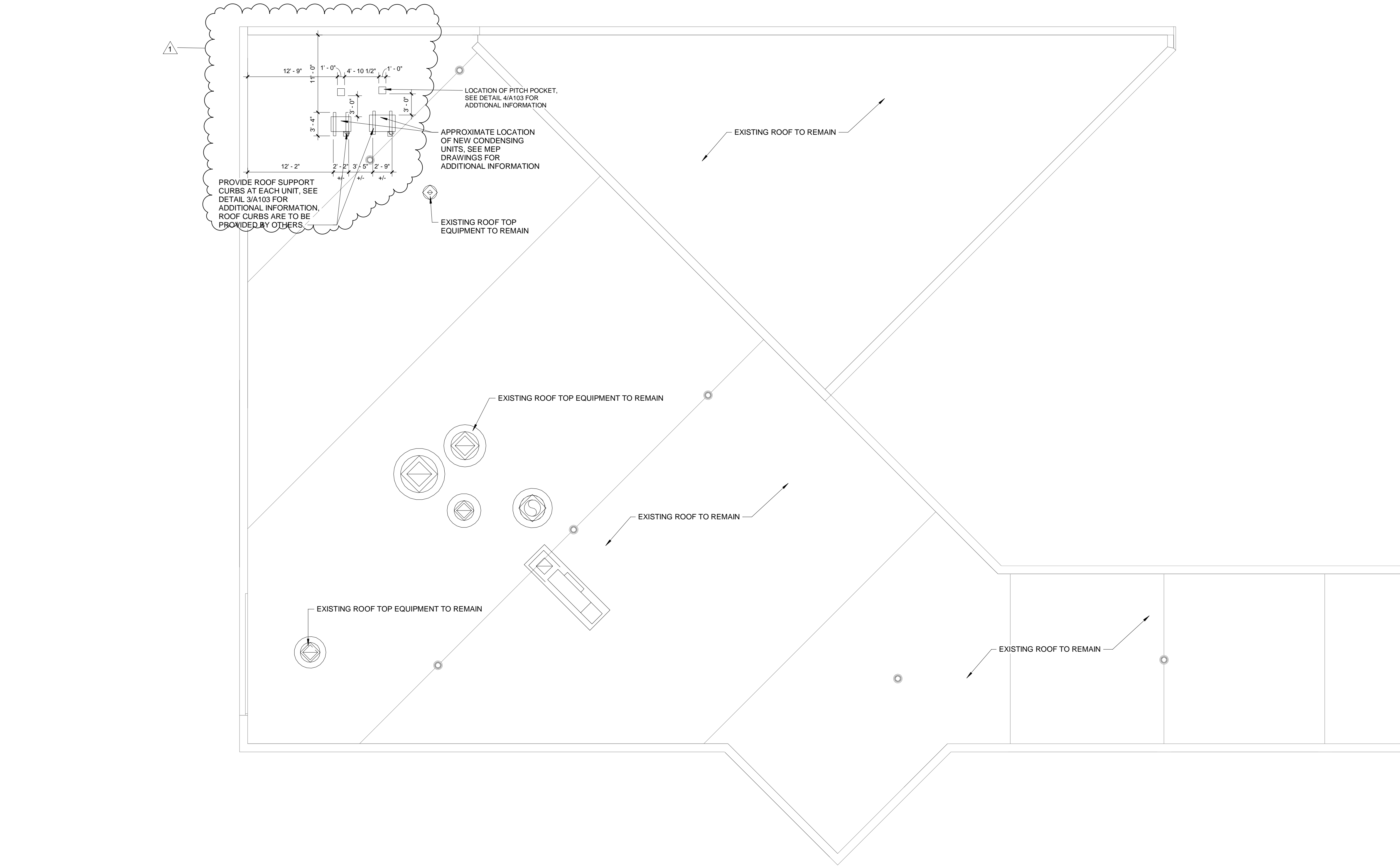
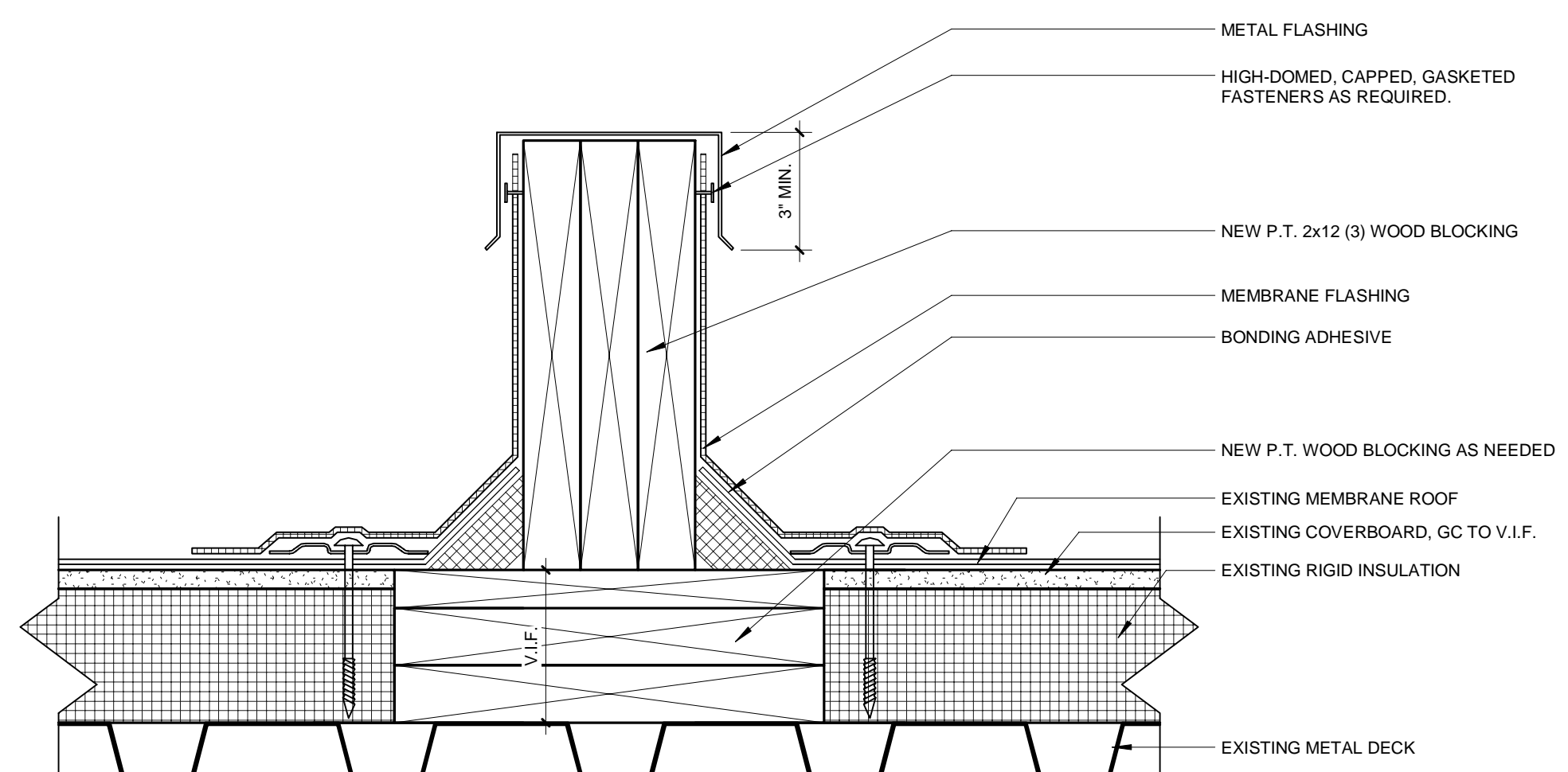
DRAWING NO.
A103

GENERAL ROOFING NOTES:
 1. ALL EXISTING ROOF TOP EQUIPMENT IS TO REMAIN.
 2. GC TO PROVIDE A PITCH POCKET AT EACH CONDENSING UNIT. SEE DETAIL 3/A103 FOR ADDITIONAL INFORMATION. GC TO COORDINATE PITCH POCKET LOCATION WITH CONDENSING UNIT MANUFACTURER. PITCH POCKET IS TO BE PROVIDED BY OTHERS.

4 ROOF DTL - PENETRATION POCKET
 3" = 1'-0"



3 ROOF DTL - EQUIPMENT SUPPORT CURB
 3" = 1'-0"



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

CEILING SCHEDULE

TYPE	DESCRIPTION
CLG-01	ARMSTRONG "HEALTHZONE ULTIMA" SQUARE LAY-IN FINE TEXTURE TILES W/ GRID, SYSTEM, COLOR - WHITE (WH).
CLG-02	NEW GYP BRD. SOFFIT. FINISH AS SPECIFIED.
CLG-03	SUSPENDED ACOUSTICAL TILE

SYMBOL LEGEND

- 2X2 LED FIXTURE
- RECESSED CAN FIXTURE
- LAMINATE CEILING
- HIGH BAY LIGHT FIXTURE
- MONITOR
- SCONCE
- MULTI PENDENT LIGHT
- ACCENT PENDENT LIGHT
- GENERAL LIGHTING FIXTURE
- GENERAL LIGHTING FIXTURE

CEILING PLAN GENERAL NOTES

- ALL CEILING MOUNTED WIRING WITHIN THE EXPOSED CEILING AREAS OF THE HUB SHALL BE RUN WITHIN A RACEWAY, AND THE RACEWAY AND ALL ASSOCIATED ATTACHMENTS, ETC. WILL BE PAINTED BLACK TO MATCH THE CEILING FINISHES.
- ALL CEILING GRIDS TO BE CENTERED IN ROOM, UNLESS NOTED OTHERWISE.
- SEE EQUIPMENT DRAWINGS AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION.
- SEE ELECTRICAL DRAWINGS FOR ADDITIONAL SYMBOLS.
- REFER TO V102 AND V112 FOR ALL CEILING HEIGHTS, FINISHES AND LIGHTING LOCATIONS.
- GC IS TO V.I.F. THE HEIGHTS OF DUCTS IN BASEMENT PRIOR TO CEILING INSTALLATION. ANY CONFLICTS, CONTACT ARCHITECT.
- SEE MEP DRAWINGS FOR SUPPLY AND RETURN GRILL LOCATIONS.
- EXPOSED CEILING TO BE PAINTED. SEE V101 FOR FINISH LIST.
- ALL EXISTING SOFFITS TO BE PAINTED. SEE V110 FOR FINISH.

REFLECTED CEILING PLAN NOTE SCHEDULE

NO.	DESCRIPTION
1	EXISTING GYP. BD SOFFIT TO REMAIN. GC TO PATCH AS NEEDED TO LIKE NEW CONDITION.
2	AREA NOT IN SCOPE.
3	NEW ACT TILE CEILING. SEE V110 FOR ADDITIONAL INFORMATION
4	NEW GYP. BD. SOFFIT CEILING. SEE V110 FOR ADDITIONAL INFORMATION
5	EXISTING SOFFIT TO RECEIVE NEW LIGHT LOCATIONS. REMOVE OLD LIGHTING AND PATCH
6	EXHAUST HOOD. REF. FOODSERVICE DRAWINGS
7	TVS TO BE PROVIDED BY OTHERS. GC TO COORDINATE POWER AND DATA.

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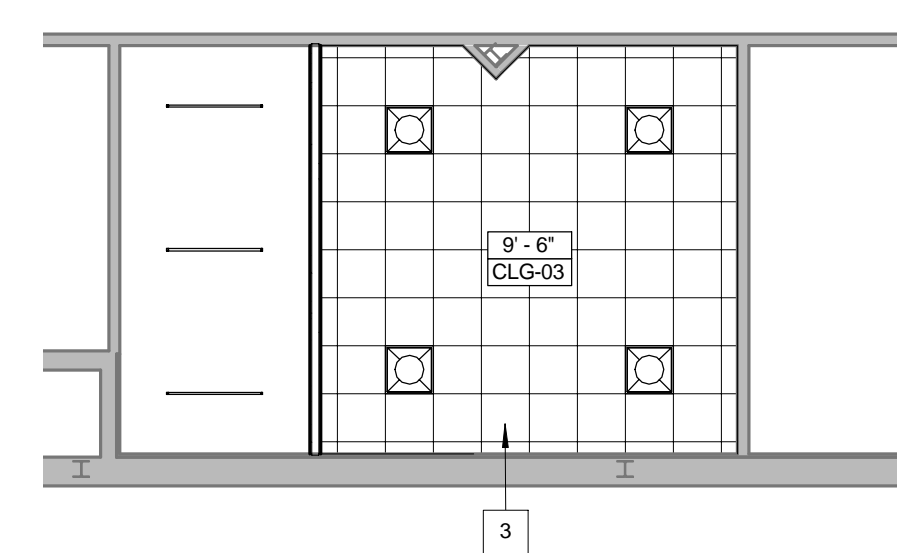
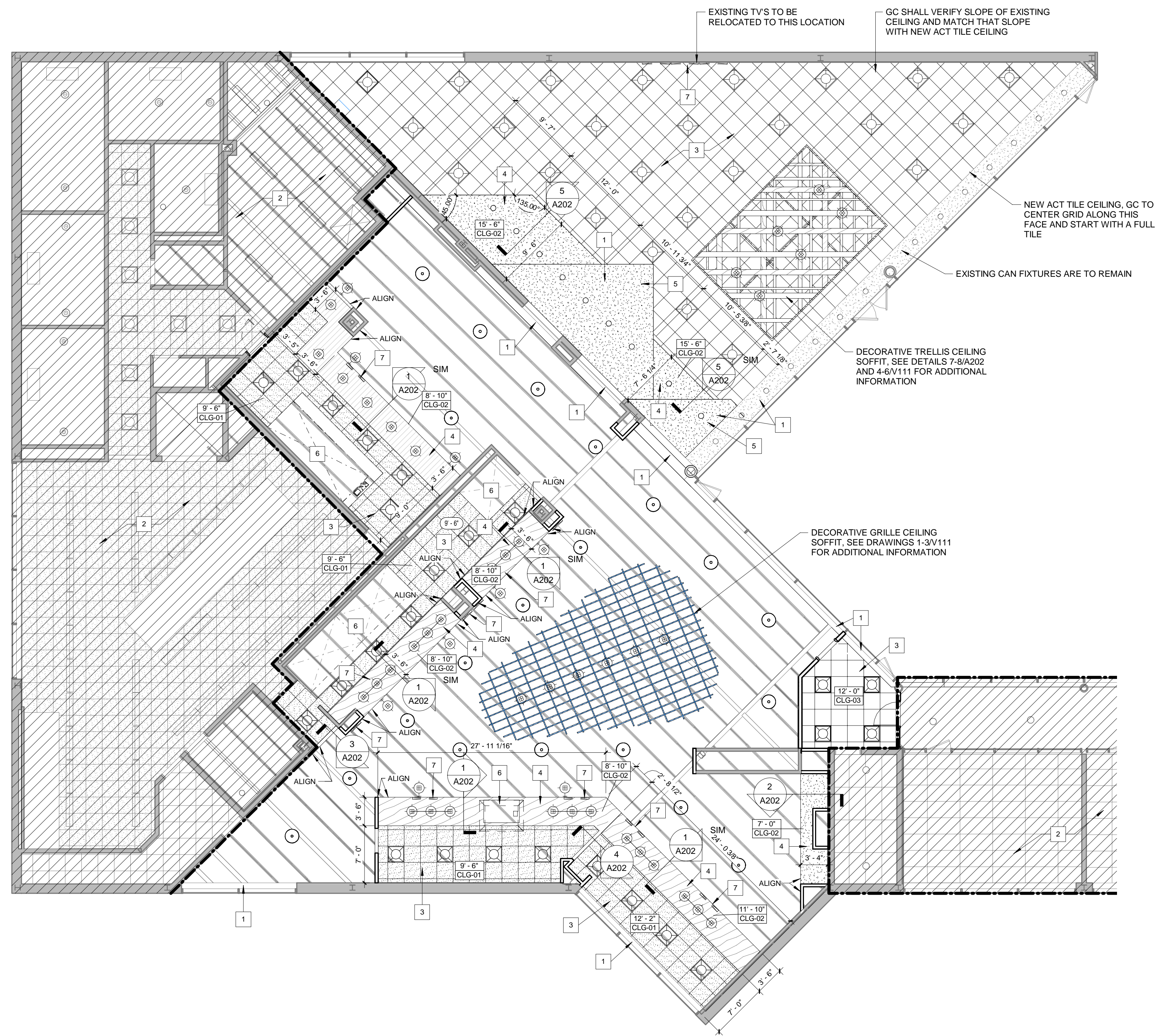
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NO.	DESCRIPTION

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DRAWING NAME:
BASEMENT / FIRST FLOOR REFLECTED CEILING PLAN

DRAWING NO.
A201



2 BASEMENT LEVEL
 1/8" = 1'-0"

1 DINING LEVEL
 1/8" = 1'-0"

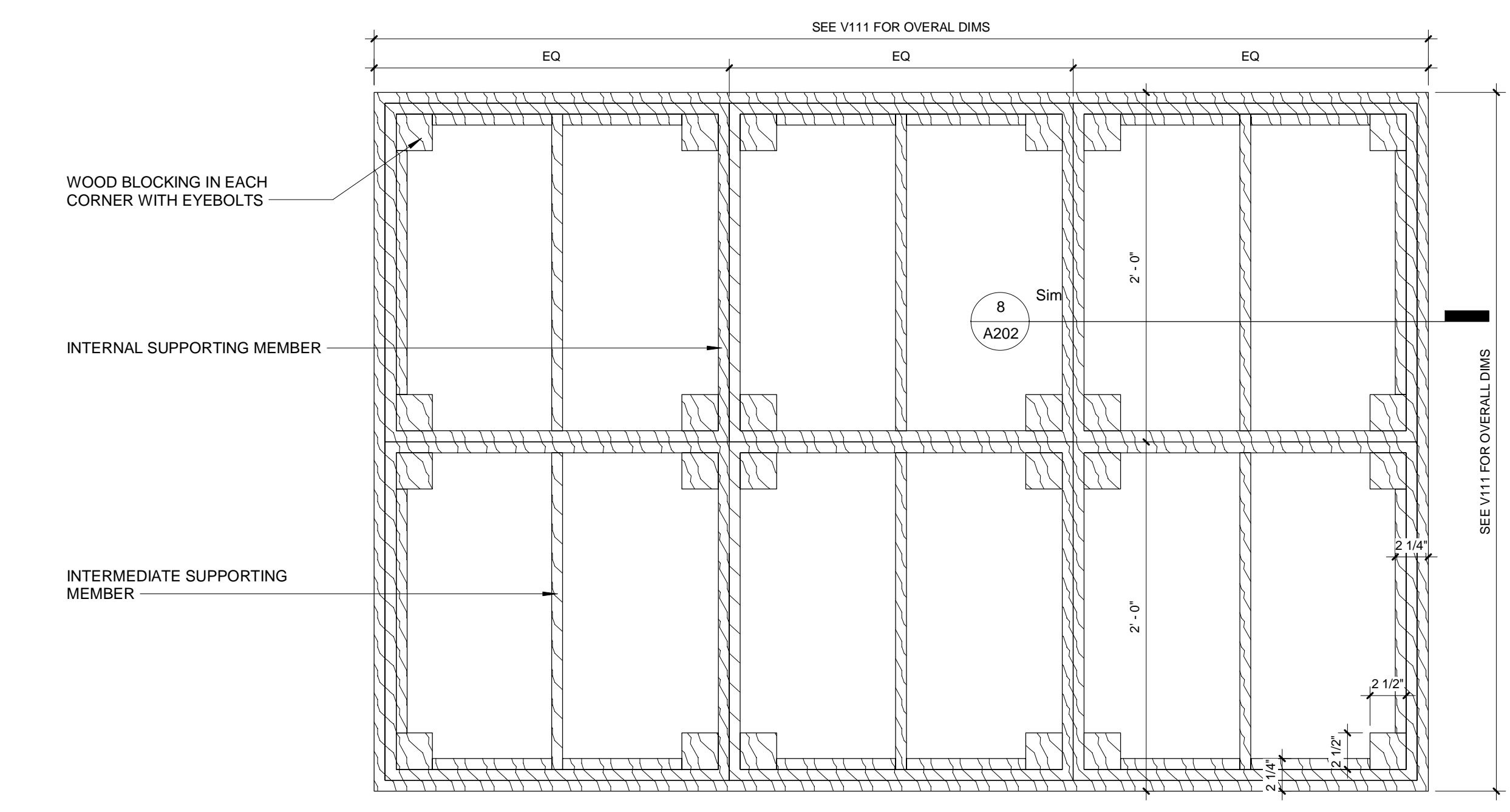
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		DESCRIPTION	

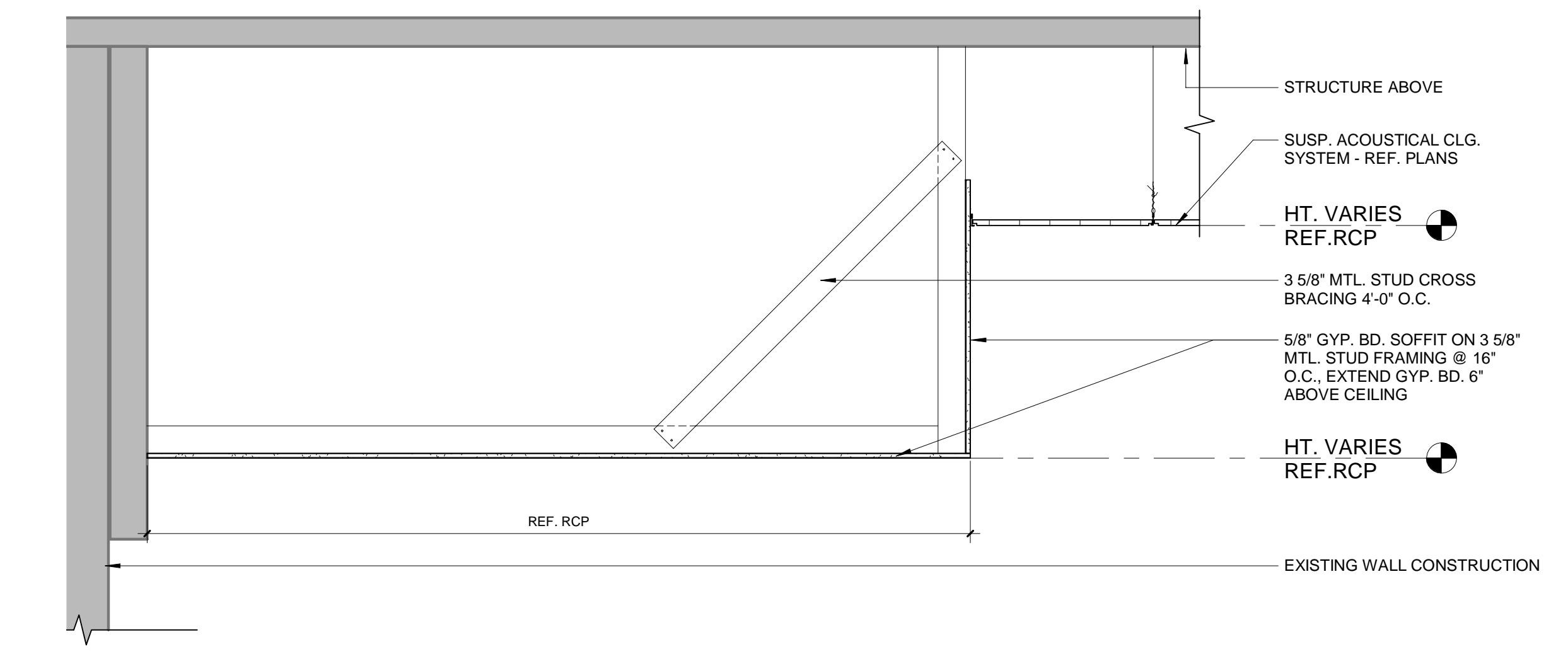
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DRAWING NAME:
CEILING DETAILS I

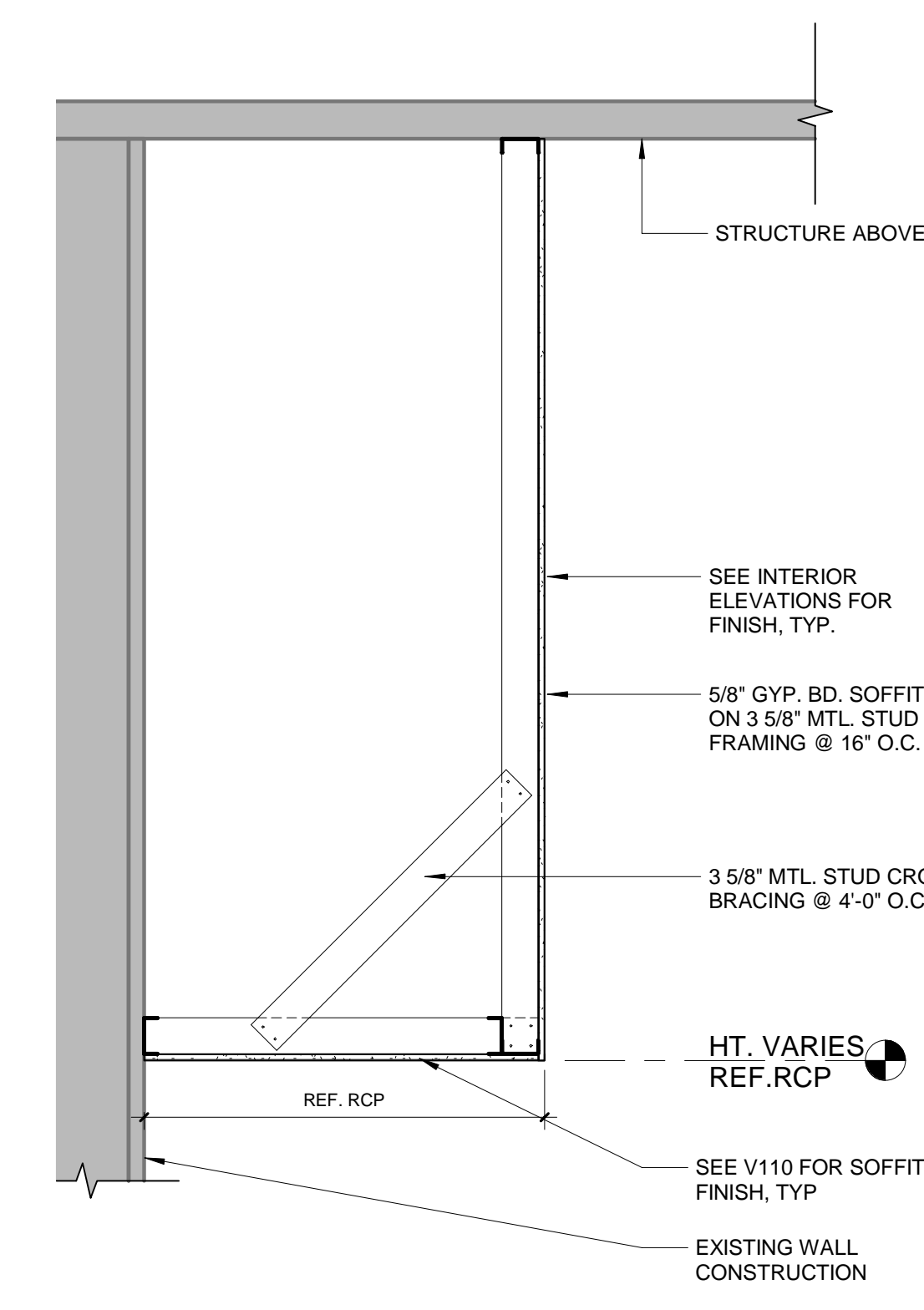
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A202



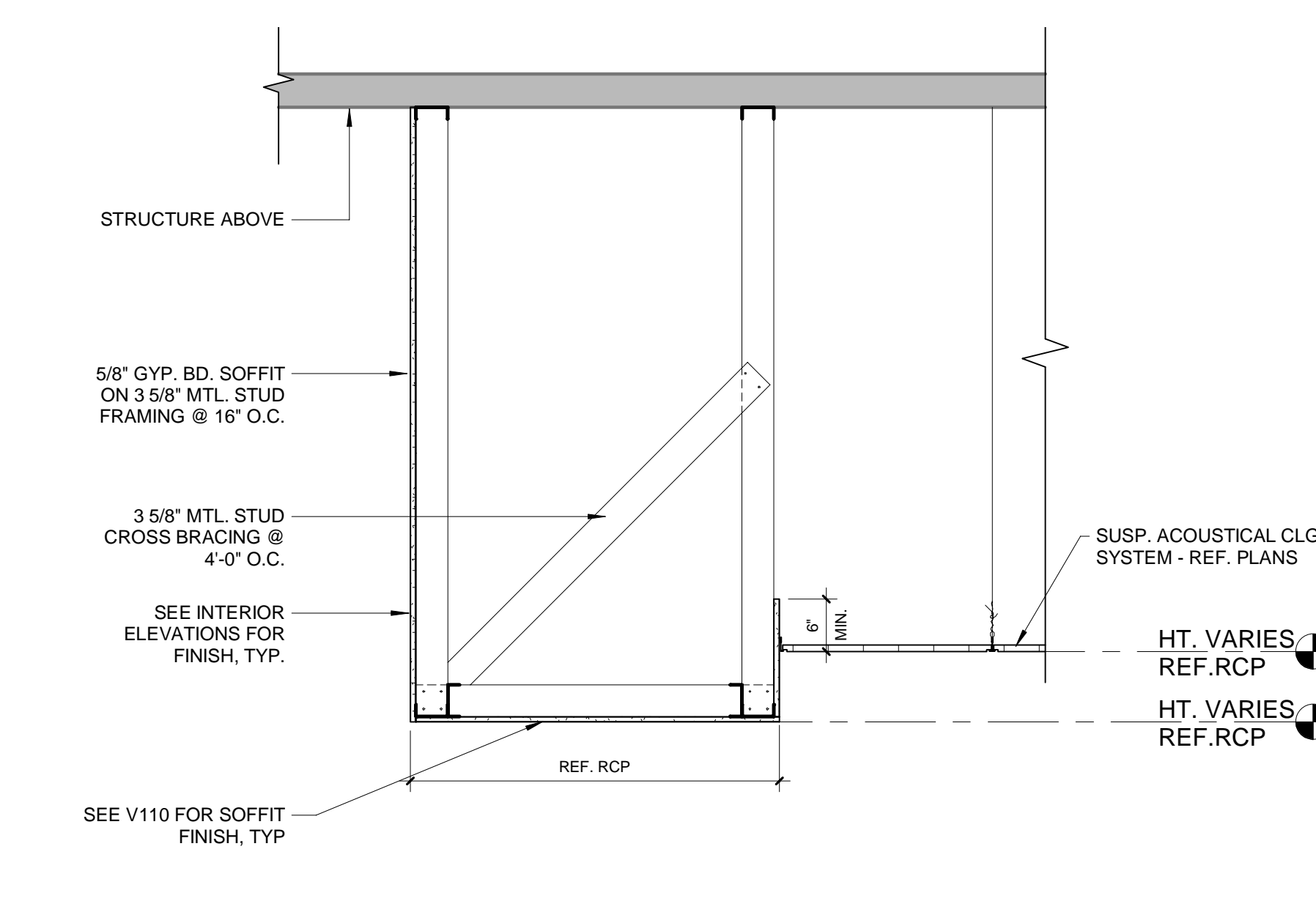
7 SOFFIT DETAIL
 1 1/2" = 1'-0"



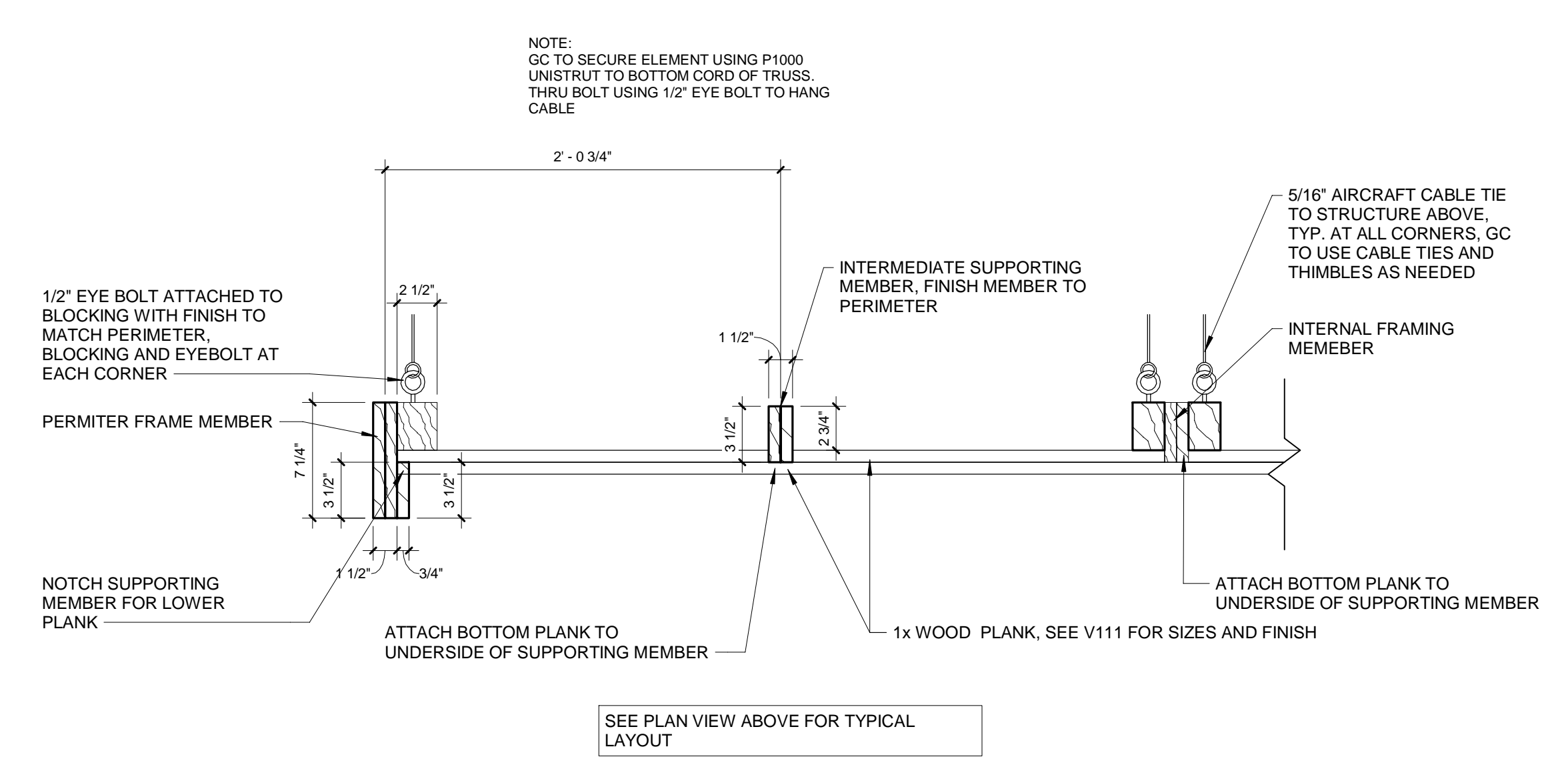
5 CEILING DETAIL
 3/4" = 1'-0"



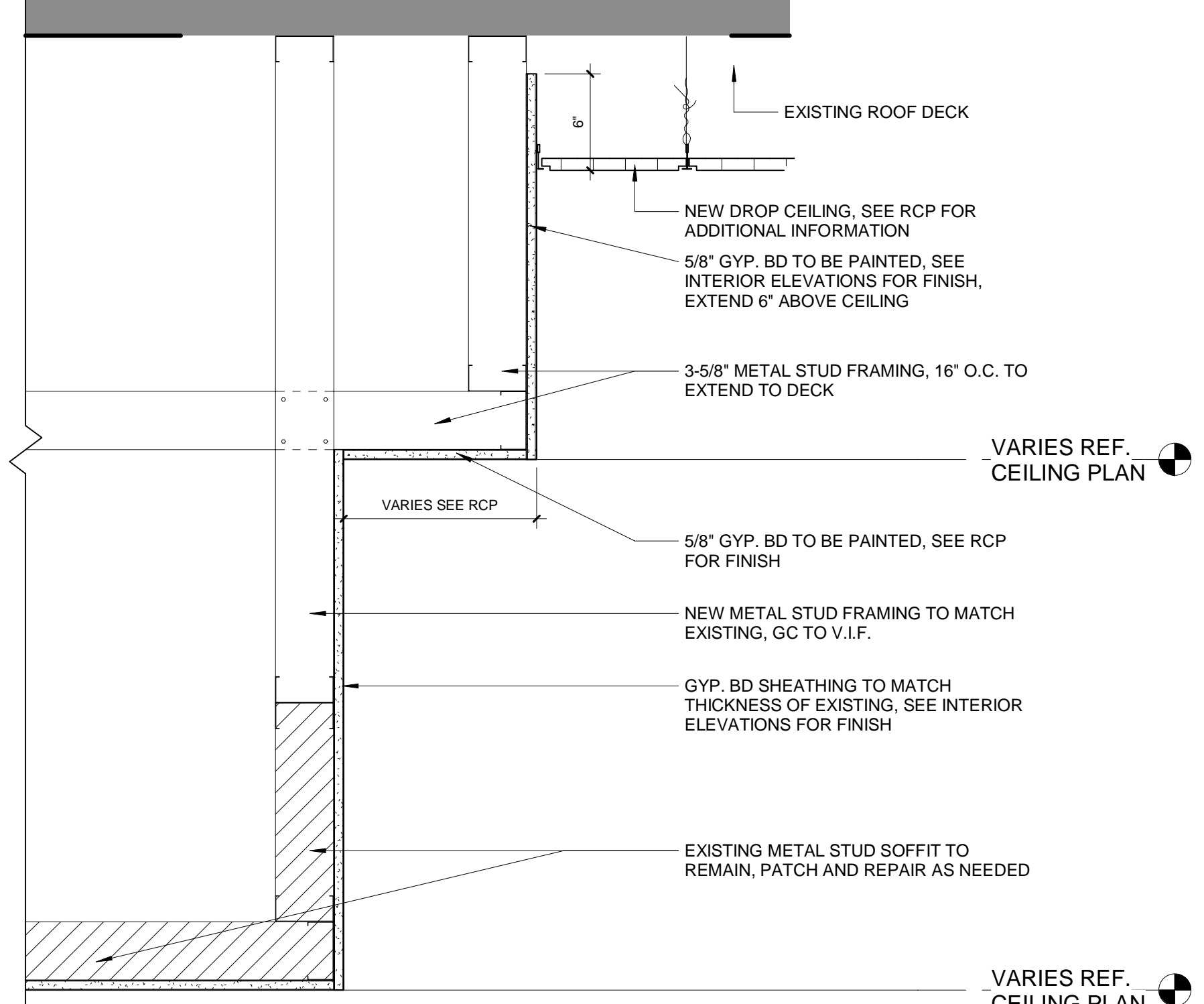
2 CEILING DETAIL
 3/4" = 1'-0"



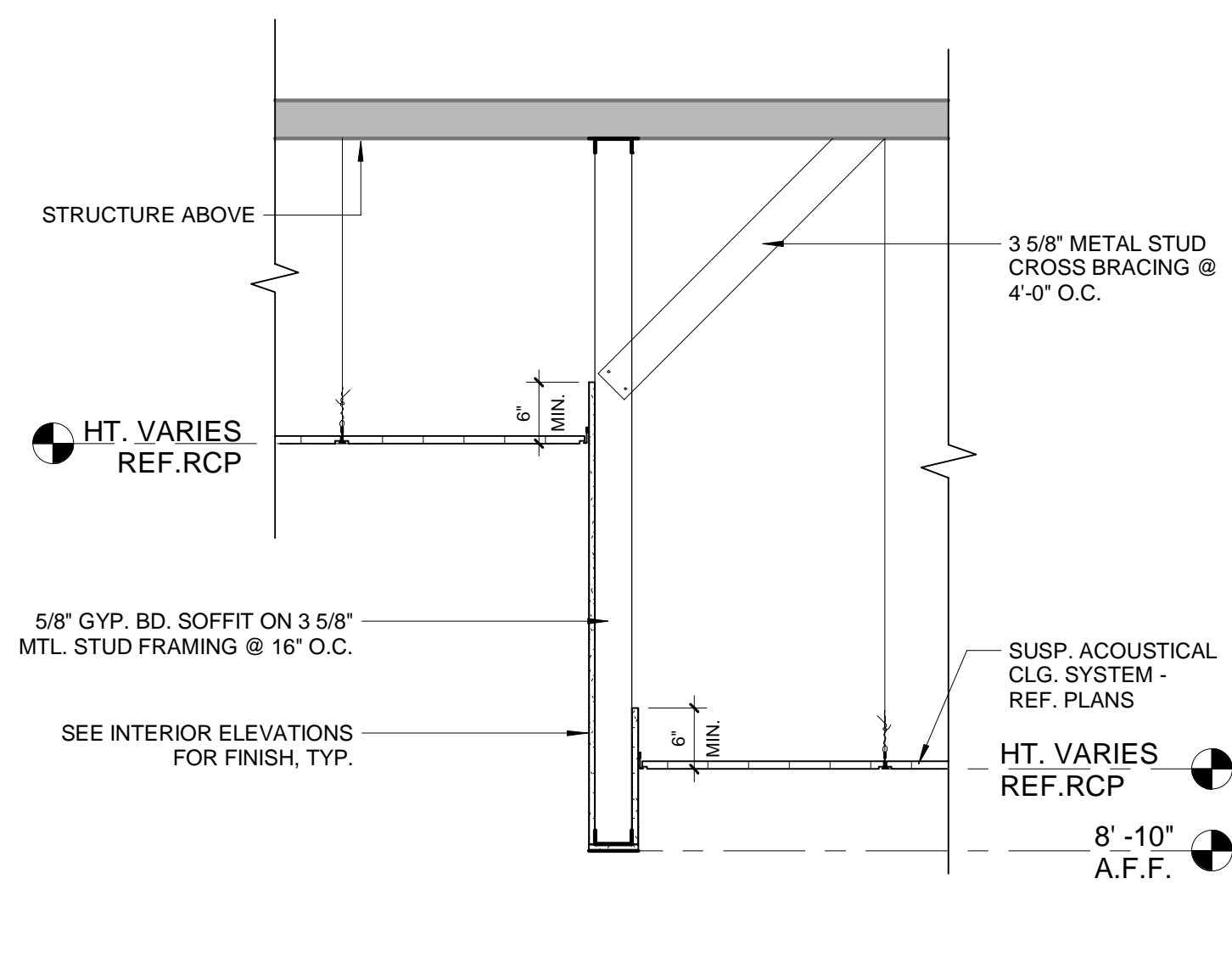
1 CEILING DETAIL
 3/4" = 1'-0"



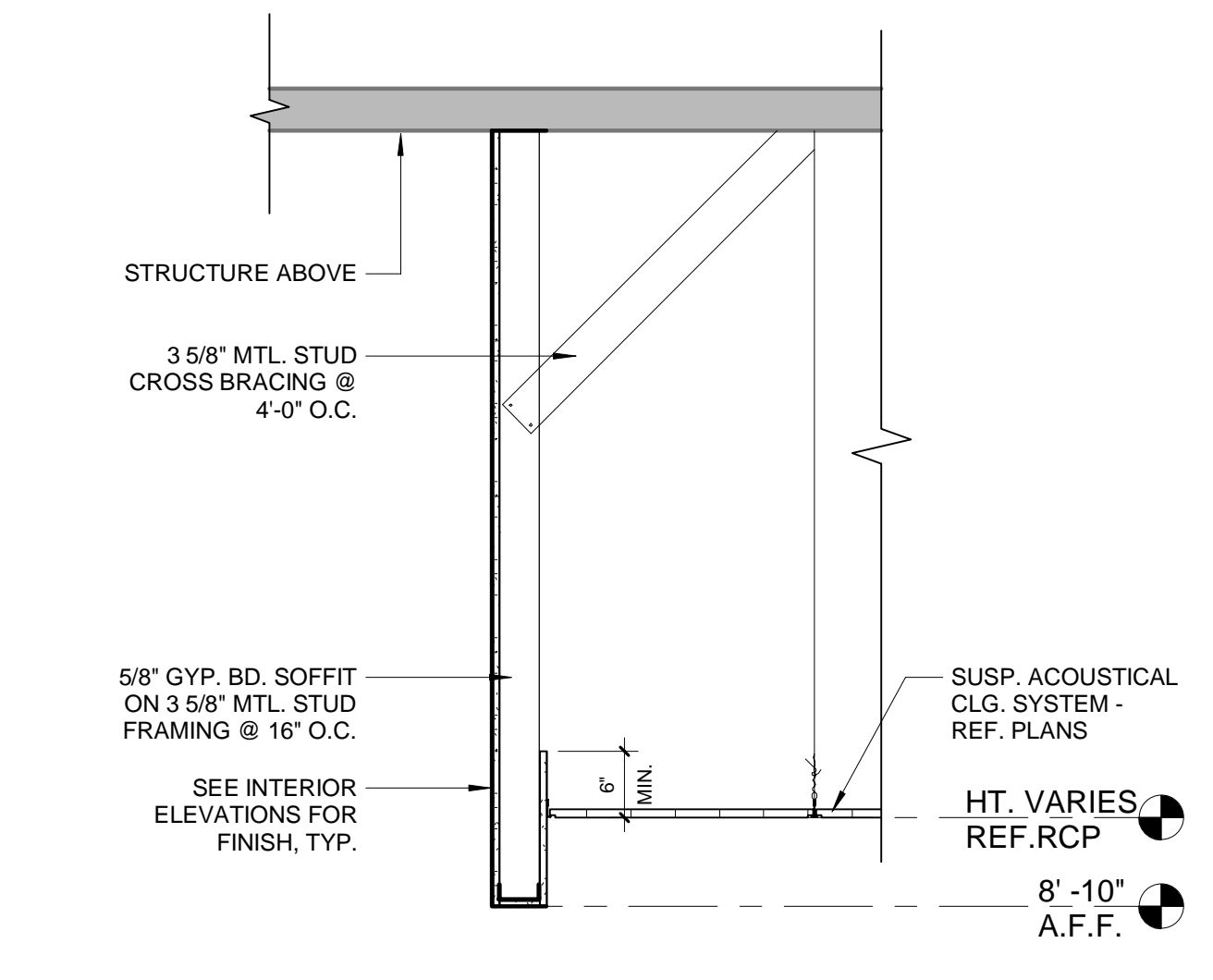
8 SOFFIT DETAIL
 1 1/2" = 1'-0"



6 DETAIL
 1 1/2" = 1'-0"



4 CEILING DETAIL
 3/4" = 1'-0"



3 CEILING DETAIL
 3/4" = 1'-0"

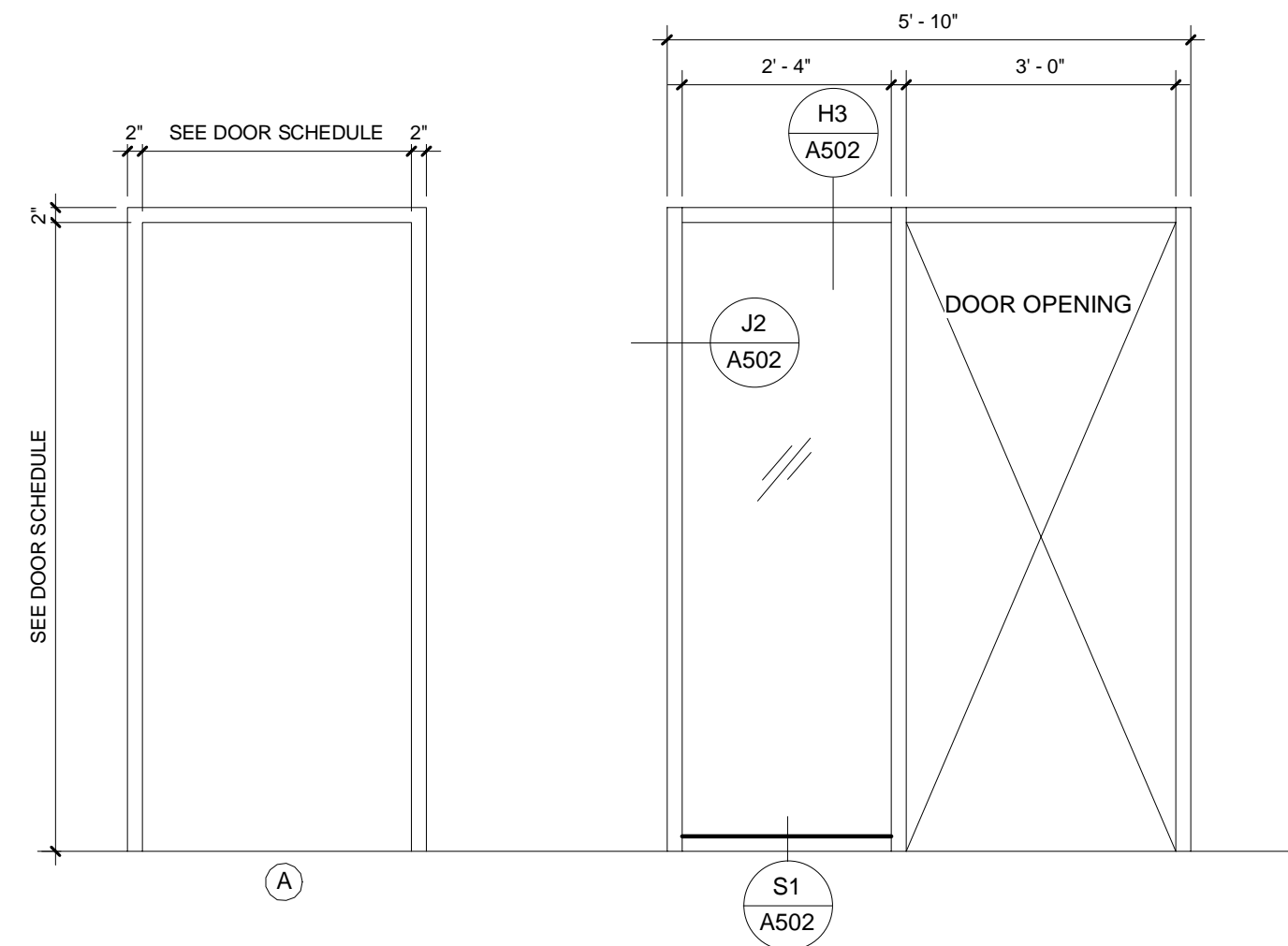
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DOOR SCHEDULE NOTES:

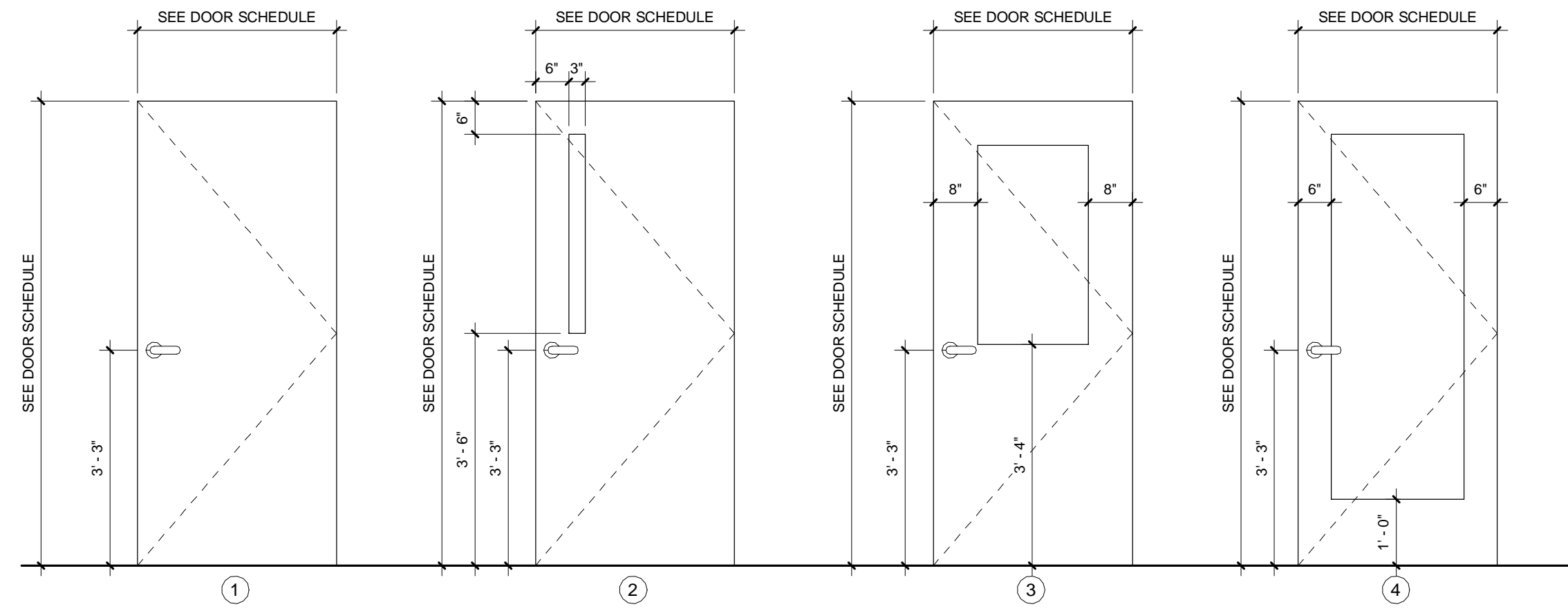
X = NEW ITEM, REPLACE EXISTING ITEMS WHERE NOTED AT EXISTING CONDITIONS
 EX = EXISTING ITEM TO REMAIN, GC SHALL VERIFY ALL EXISTING CONDITIONS AND CONFIRM WORKING ORDER. GC SHALL NOTIFY ARCHITECT IF EXISTING CONDITIONS DIFFER FROM THAT INDICATED WITH IN DOOR SCHEDULE.

T = 1/4" TEMPERED GLAZING
 TI = 1" TEMPERED & INSULATED GLAZING
 S = 1/4" SAFETY / FIRE GLASS
 HM = HOLLOW METAL
 AL = ALUMINUM
 WD = WOOD

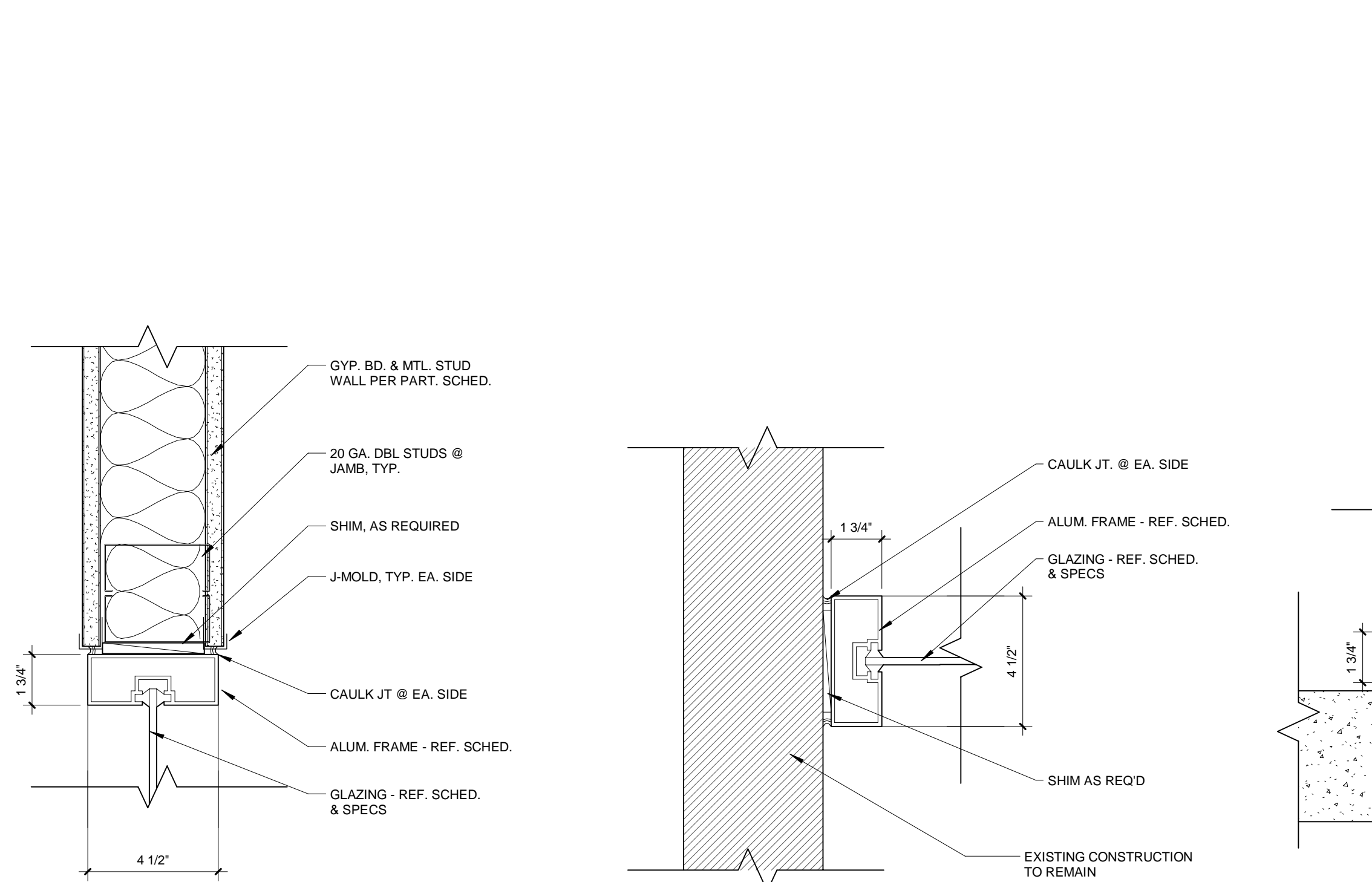
WHERE NOTED WITH TOP & BOTTOM BOLTS, BOLTS SHALL BE PROVIDED ON INACTIVE LEAF WITH DUMMY LEVER AND ACTIVE LEAF LATCHING INTO INACTIVE DOOR.



2 FRAME TYPES
 1/2" = 1'-0"



1 DOOR TYPES
 1/2" = 1'-0"



H3 ALUM STOREFRONT INTERIOR (HEAD)
 3' = 1'-0"

J3 ALUM STOREFRONT INTERIOR (JAMB)
 3' = 1'-0"

S1 ALUM STOREFRONT INTERIOR (SILL)
 3' = 1'-0"

J1 TYP. INTERIOR DOOR JAMB
 3' = 1'-0"

J2 ALUM STOREFRONT INTERIOR (JAMB)
 3' = 1'-0"

H2 ALUM STOREFRONT INTERIOR (SILL)
 3' = 1'-0"

H1 INTERIOR DOOR HEAD DETAIL
 3' = 1'-0"

DOOR SCHEDULE

ROOM NAME	DOOR NO.	SIZE	TYPE	MATL	GLASS	TYPE	MATL	GLASS	HEAD	JAMB	THRESHOLD	FIRE RATING (HOURS)	AUTOMATIC CLOSER	PANIC RELEASE OPERATOR	POSITIVE LATCHING	ADA LEVER HANDLES	ADA PUSH BUTTON OP.	ADA TACTILE WARN.	PASSAGE	ENTRY	CLASSROOM	OFFICE	STORE ROOM	BUTTS (PAIRS)	ELECTRIC EXIT DEVISE / LOCKSET	PUSH PLATE	KICK PLATES	PULL HANDLES	PUSH BAR	SILENCERS	STRIKE	VERTICAL RODS	WALL STOP	WEATHER STRIP	LATCH SECURITY PLATE	TOP & BOTTOM BOLTS	PIN PAD / & ELECTRIC HINGE ACCESS CONTROL	REMARKS																													
BASEMENT LEVEL																																																																			
SPRINKLER ROOM	1024	3'-0" x 7'-0" x 1 3/4"	1	WD	-	A	HM	-				1.5			X	X					X																																														
SPRINKLER ROOM	1025	3'-0" x 7'-0" x 1 3/4"		EX	HM	-	EX	HM	-			1.5	EX			EX																																																			
DINING LEVEL																																																																			
VESTIBULE	1017A.1	3'-0" x 7'-0" x 1 3/4"	4	WD	TI	AL	AL	TI						X	X	X	X					X		1.5			X																																								
VESTIBULE	1017A.2	3'-0" x 7'-0" x 1 3/4"		EX	AL	EX	AL	AL	EX				EX								EX			EX			EX																																								
VESTIBULE	1017A.3	3'-0" x 7'-0" x 1 3/4"	2	WD	TI	A	HM	-				1.5	X	X	X	X						X		1.5			X																																								
SERVERY	1018	3'-0" x 7'-0" x 1 3/4"		EX	HM	EX	AL	HM	EX				EX								EX			EX			EX																																								
BACK OF HOUSE	1020	3'-0" x 7'-0" x 1 3/4"		EX	HM	EX	EX	HM	-				EX									X		EX			X																																								
DINING AREA	1023.1	3'-0" x 7'-0" x 1 3/4"		EX	AL	EX	AL	AL	EX				EX										EX		EX			X																																							
DINING AREA	1023.2	5'-10" x 7'-0" x 1 3/4"		EX	AL	EX	AL	AL	EX				EX										EX		EX			X																																							
THE KITCHEN	1024.1	3'-0" x 7'-0" x 1 3/4"		EX	HM	EX	A	HM	-				EX		X	EX	EX						EX				X																																								
THE KITCHEN	1024.2	3'-0" x 7'-0" x 1 3/4"	3	HM	-	A	HM	-																			X	X																																							
SOUTHWEST STAIR	1039.1	3'-0" x 7'-0" x 1 3/4"		EX	HM	-	EX	HM	EX			1.5	EX	EX	EX	EX							EX		EX			X																																							
																																																																			DUAL ACTION DOOR WITH (3) SELF CLOSING DUAL ACTION HINGES

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OWNER: Purchase College
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 www.purchase.edu

CONSULTANT:

SUNY PURCHASE COLLEGE
 CAFE RENOVATION
 735 ANDERSON HILL RD, PURCHASE, NY 10577

PROJECT: REVISIONS

NO.	DATE	DESCRIPTION

ISSUED FOR BID
 ISSUED DATE: JULY, 26 2019

DRAWN BY: JW
 CHECKED BY: CM
 PROJECT NUMBER: 1517347

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DRAWING NAME: DOOR SCHEDULE

DRAWING NO: A501

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SUNY PURCHASE COLLEGE

CAFE RENOVATION

735 ANDERSON HILL RD, PURCHASE, NY 10577

PROJECT:

REVISIONS	
NO.	DESCRIPTION

SEAL:

ISSUED FOR BID
ISSUED DATE: JULY, 26 2019

DRAWN BY: JW
CHECKED BY: CM

PROJECT NUMBER: 1517347

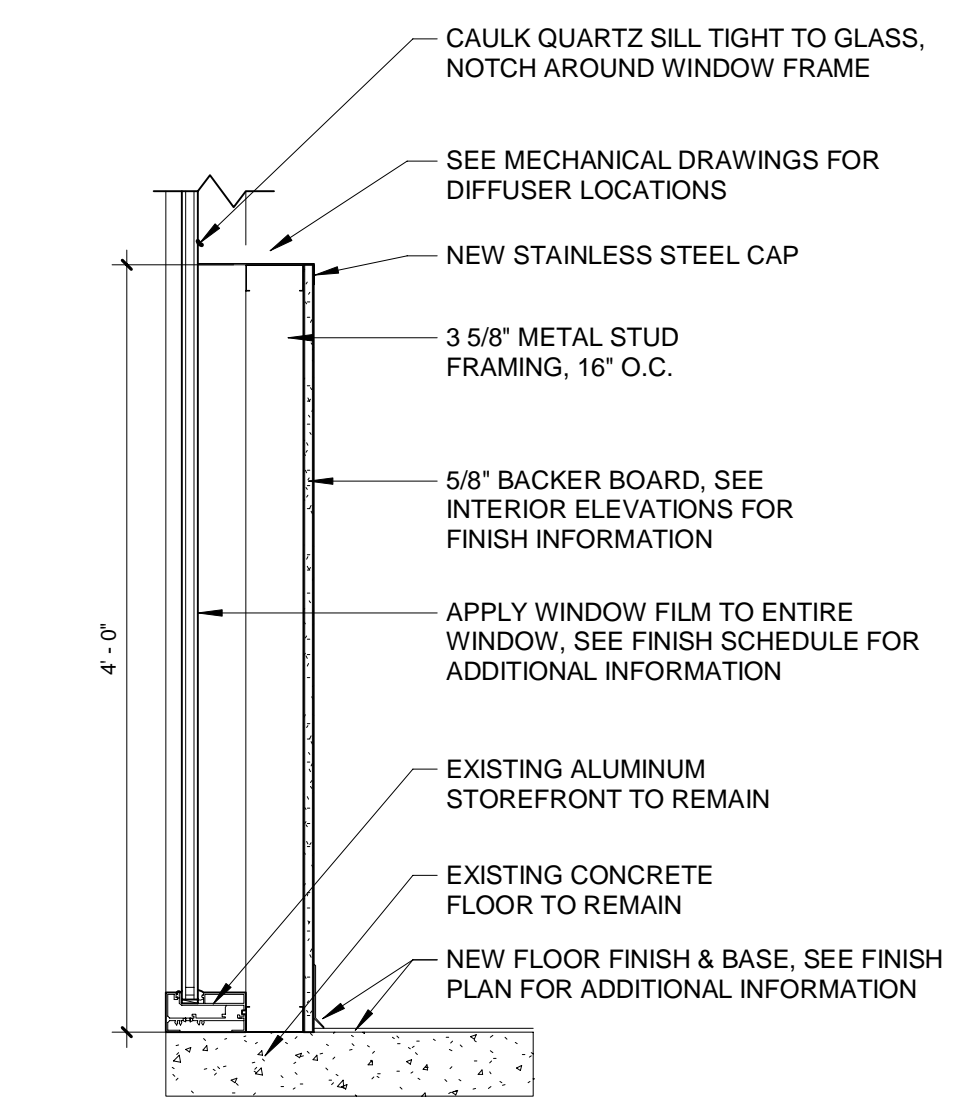
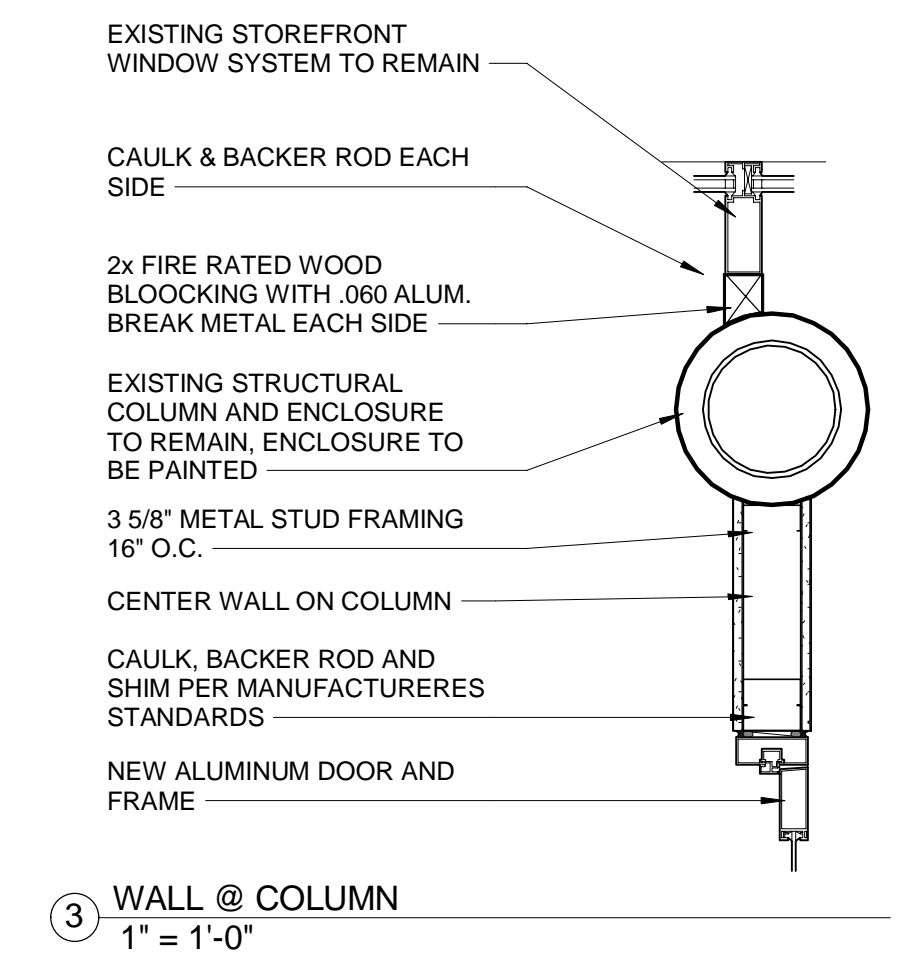
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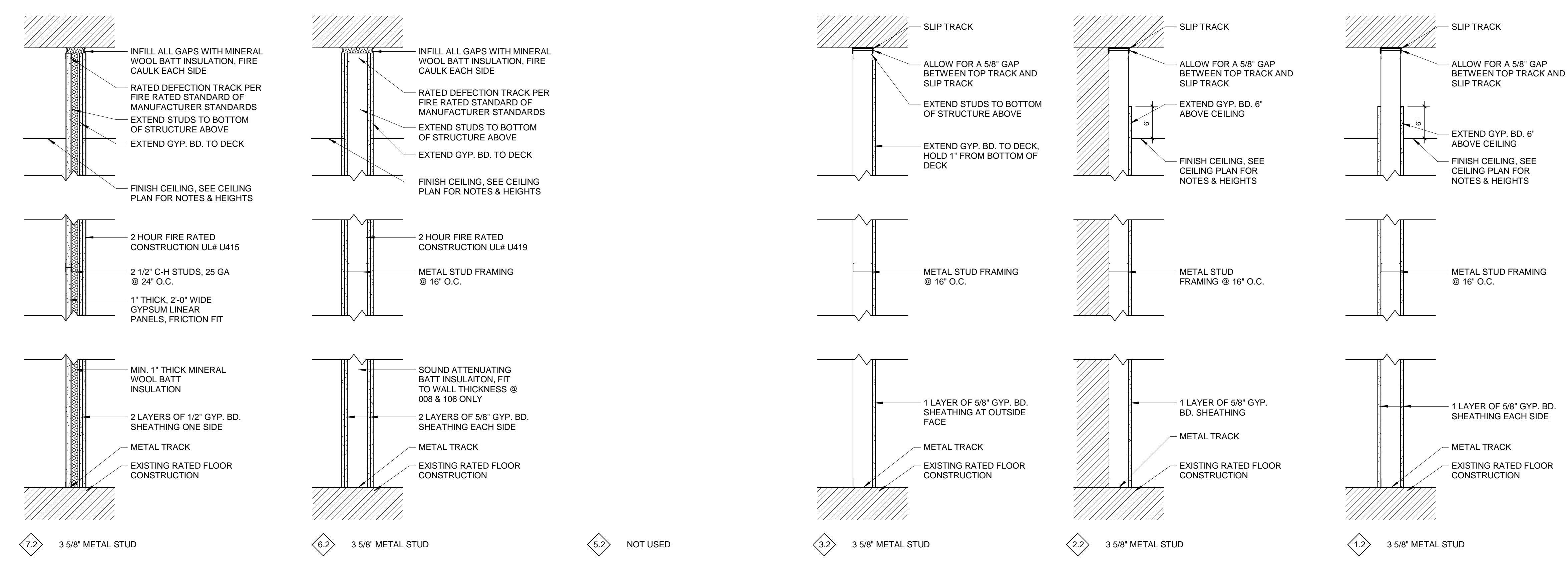
**MISCELLANEOUS
DETAILS I**

DRAWING NO.

A601



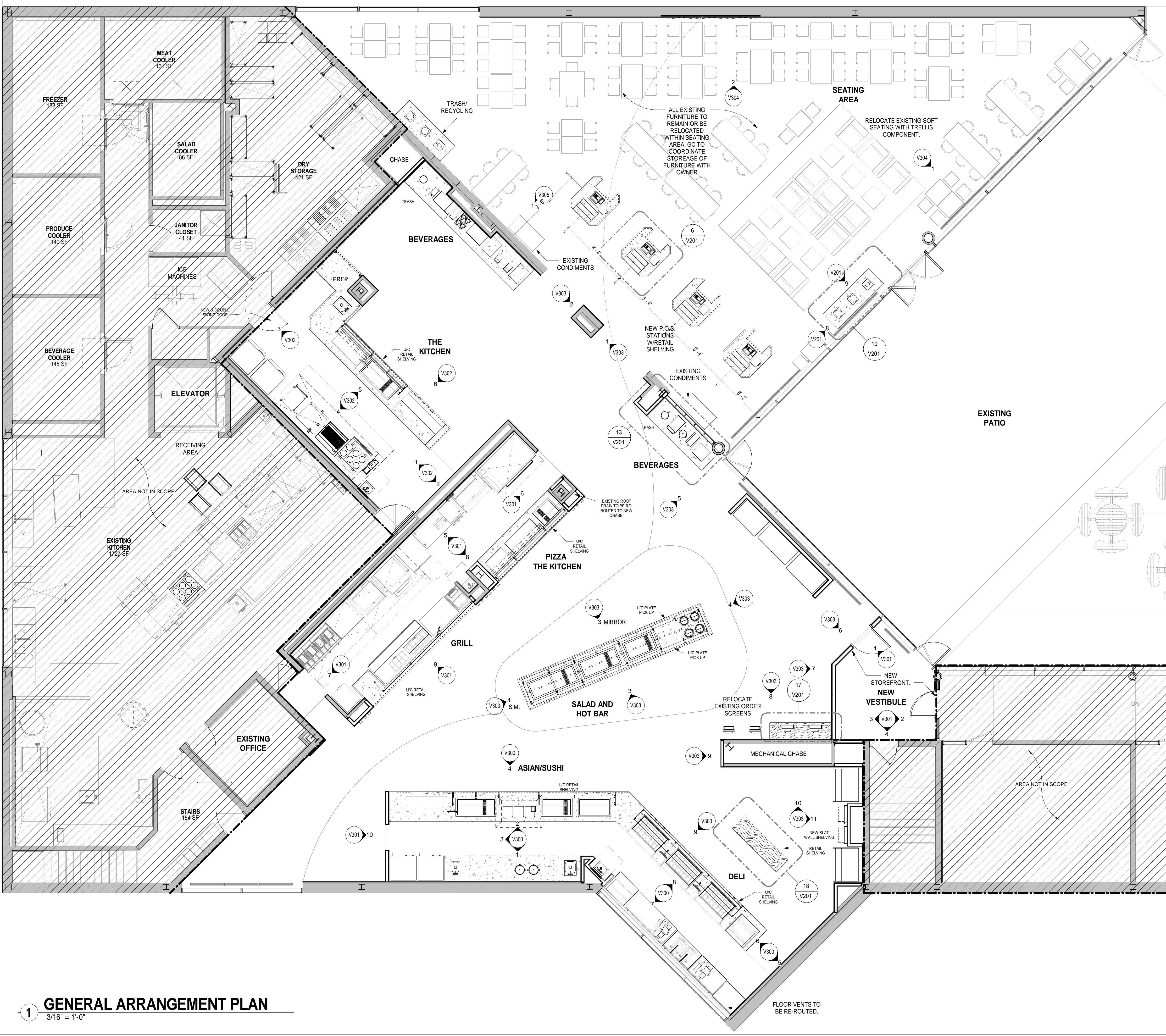
2 WALL @ WINDOW DETAIL
1" = 1'-0"



1 WALL TYPES
1" = 1'-0"

NOTES:
1. SEE FINISH SCHEDULE FOR WALL BASE INFORMATION.
2. PROVIDE MOISTURE RESISTANT GYP. BD. AT KITCHEN, AND WET WALL LOCATIONS
3. PROVIDE CEMENT BACKER BOARD AT ALL TILE FINISH LOCATIONS IN LIEU OF GYP. BD.

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- GENERAL ARRANGEMENT PLAN GENERAL NOTES**
1. REFERENCE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION LAYOUT PLANS.
 2. SEE EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT DRAWINGS (EQUIPMENT TO BE PROVIDED BY OTHERS). GC TO COORDINATE UTILITIES TO ALL EQUIPMENT WITH EQUIPMENT VENDOR.
 3. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION. MILLWORK TO BE PROVIDED BY OTHERS. GC TO COORDINATE WITH MILLWORK VENDOR AND ALL UTILITIES TO MILLWORK.
 - 4.

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NO.	DESCRIPTION

ISSUED FOR BID
 ISSUED DATE: July, 26 2019

DRAWN BY: Author
 CHECKED BY: Checker

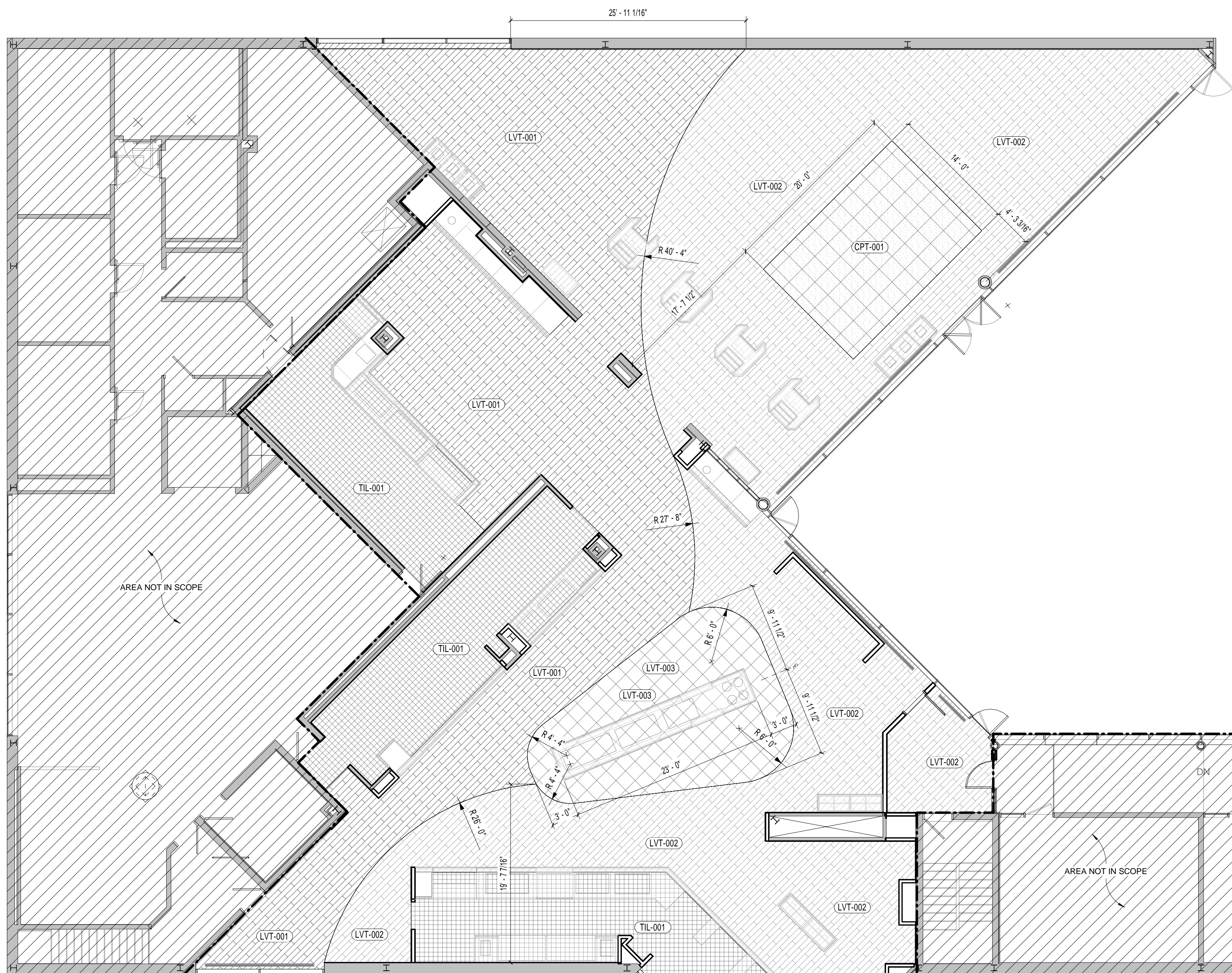
PROJECT NUMBER: CW-0205-4

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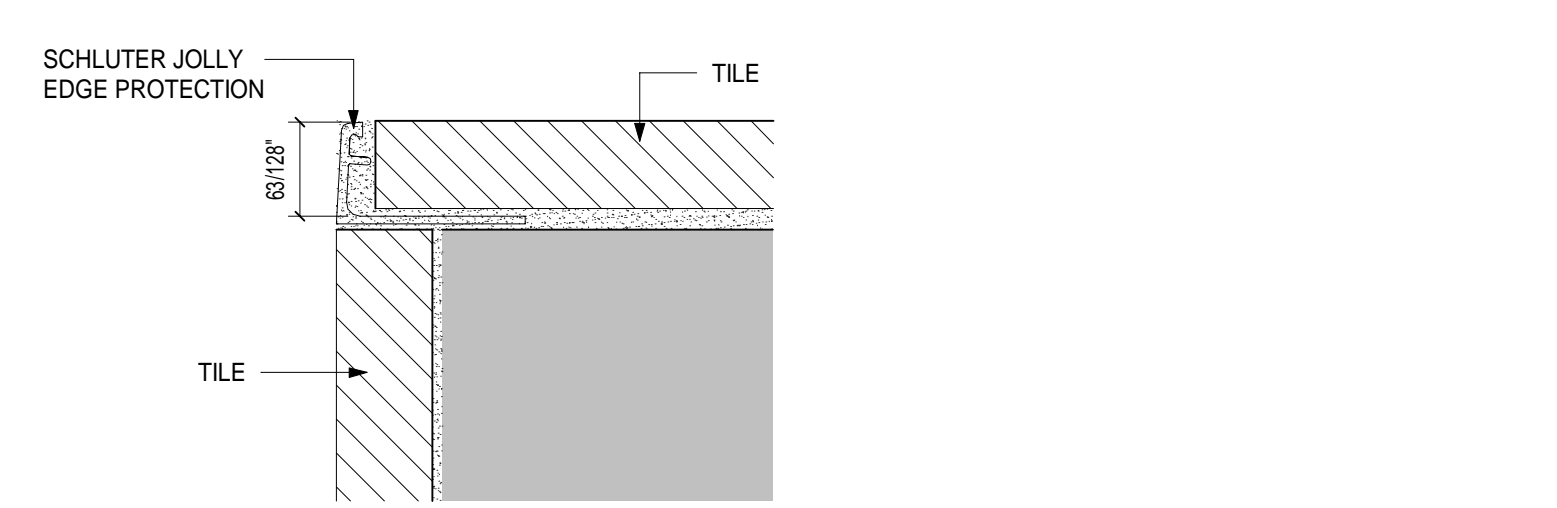
DRAWING NAME:
GENERAL ARRANGEMENT PLAN

DRAWING NO.
V100

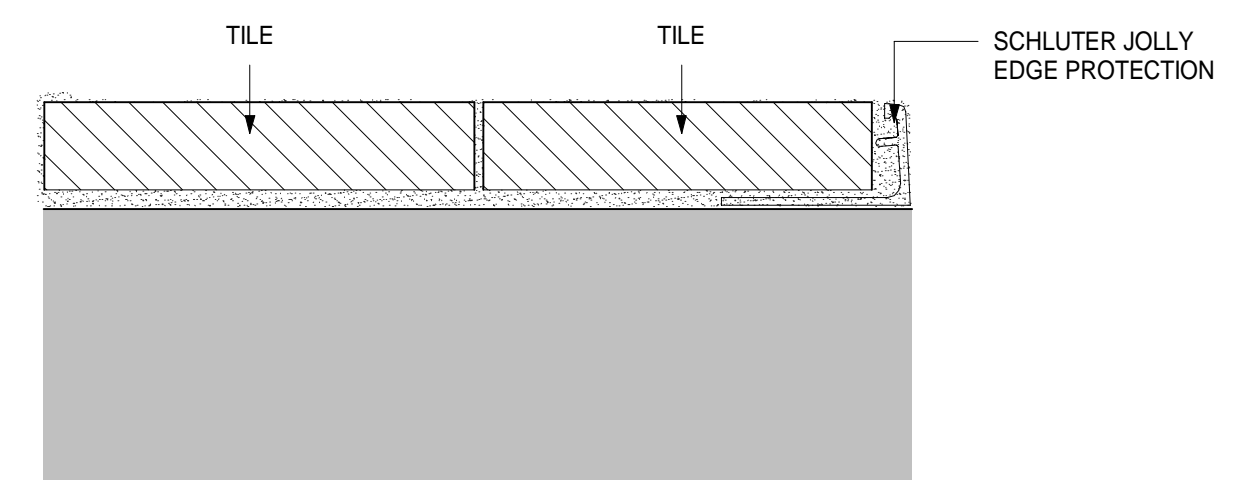
1 GENERAL ARRANGEMENT PLAN
 3/16" = 1'-0"



1 FLOOR FINISHES PLAN
1/8" = 1'-0"

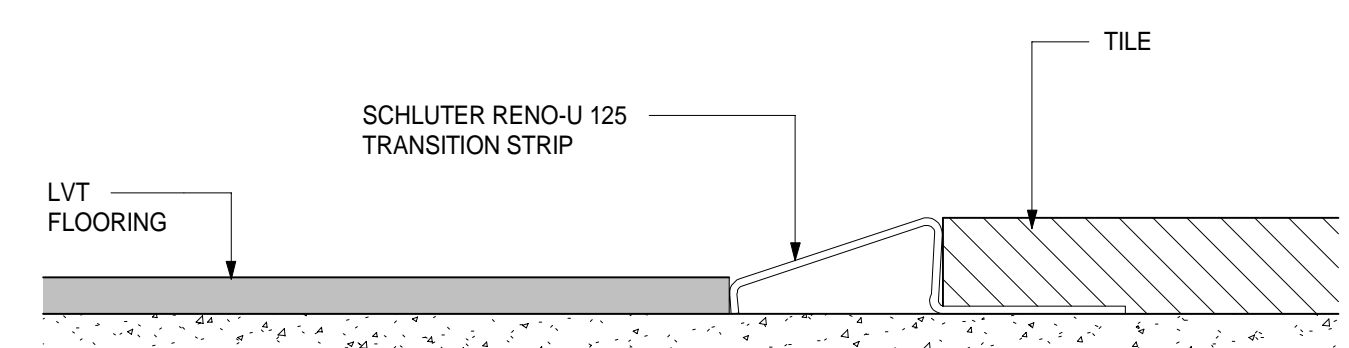


TILE / TILE CORNER DETAIL PLAN VIEW

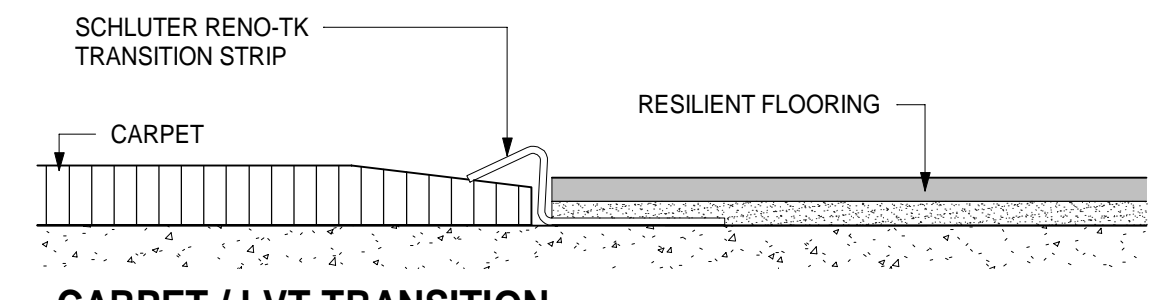


TILE EDGE DETAIL PLAN VIEW

2 WALL FINISH TRANSITION DETAILS - SCHULTER
12" = 1'-0"



LVT / QUARRY TILE TRANSITION



CARPET / LVT TRANSITION

3 FLOOR TRANSITION DETAILS
12" = 1'-0"

FINISH MATERIAL LIST				
TAG	MODEL	MANUFACTURER / SUPPLIER	URL	COMMENTS
CARPET				
CPT-001	COLLECTION: STREET THREAD / PATTERN: TAPED OFF / COLOR: 149; TO BE INSTALLED IN A QUARTER TURNED PATTERN	MOHAWK GROUP	https://www.mohawkgroup.com/detail/Carpet/7367/127906/Taped-Off-Tile	
COVE BASE				
CVB-001	#48 GREY WG BASE 6"	JOHNSONITE		
FIBER REINF. PLASTIC				
FRP-001	GLASBORD PEBBLES EMBOSSED FINISH 85 WHITE, CLASS A	KEMLITE		
LAMINATE				
LAM-001	MISSION MAPLE 7990-38	WILSONART		
LAM-002	PALISADES OAK 7987-38	WILSONART		
LAM-003	SUNRAY - S4022T	NEVAMAR		FINISH: SUPER MATTE
LAM-004	SOLID WHITE - S7004	NEVAMAR		FINISH: SUPER MATTE
LAM-005	CARMEN RED	NEVAMAR		FINISH: GLOSS
LAM-006	FJI - SB0300	NEVAMAR		FINISH: SUPER MATTE
LUXURY VINYL TILE				
LVT-001	WILD WALNUT AROW 7620, 6 X 36	AMTICO	https://www.amtico.com/commercial/products/product-search/AAO/W7620/	
LVT-002	WORN OAK ARPW7390, 6 X 36	AMTICO	https://www.amtico.com/commercial/products/product-search/ARO/W7390/	
LVT-003	GLINT ORB AROAGG11, 18 X 18	AMTICO	https://www.amtico.com/commercial/products/product-search/ARO/AGG11/	
METAL				
MTL-001	STAINLESS STEEL			16 GAUGE 304 #4 FINISH
MTL-003	STAINLESS STEEL POWDER-COATED BLACK			
PAINT				
PNT-001	GOSSAMER VEIL 9165	SHERWIN WILLIAMS		
PNT-002	STONE LION 7507	SHERWIN WILLIAMS	https://www.sherwin-williams.com/homeowners/color/find-and-expl-ore-colors/paint-colors-by-family/SW6152-superior-bronze/6152/?s=coordinatingColors&p=PS0	
PNT-003	BURGUNDY 6300	SHERWIN WILLIAMS	https://www.sherwin-williams.com/homeowners/color/find-and-expl-ore-colors/paint-colors-by-family/SW6300-burgundy/6300/?s=coordinatingColors&p=PS0	
PNT-004	BOLERO 7600	SHERWIN WILLIAMS	https://www.sherwin-williams.com/homeowners/color/find-and-expl-ore-colors/paint-colors-by-family/SW7600-boleto/7600/?s=coordinatingColors&p=PS0	
PNT-006	BLACK MAGIC 6991	SHERWIN WILLIAMS		APPLIED TO EXPOSED CEILING AND BEAMS.
QUARTZ				
QTZ-001	CALACATTA NUVO 5131	CAESARSTONE		
QTZ-002	NOUGAT 6600	CAESARSTONE		
TILE				
TIL-001	ASHEN FLASH: OT04: 6" X 6"	DALTILE	WWW.DAL TILE.COM	QUARRY TILE. GROUT: LATICRETE SPECTRA LOCK PRO; JOINT: 3/8" / COLOR: 35 MOCHA; COVE: Q-3565 (5" X 6") INSIDE CORNER; QB-3565 (1" X 5") OUTSIDE CORNER; QCRL-3565 (5" X 6")
TIL-002A	DESERT GRAY (1) X114, SEMI-GLOSS, 4 X 12 / INSTALLED IN RUNNING BOND PATTERN	DALTILE	WWW.DAL TILE.COM	GROUT: LATICRETE: 88 SILVER SHADOW
TIL-002B	DESERT GRAY (1) X114, SEMI-GLOSS, 4 X 12 / INSTALLED STACKED	DALTILE	WWW.DAL TILE.COM	GROUT: LATICRETE
TIL-003	FLORENTINE: CARRARA FLO6, 12 X 24	DALTILE	WWW.DAL TILE.COM	GROUT: LATICRETE: #03 SILK
TIL-005	MUTINA TILE: CUBO GRIGIO, 8 X 8	STONE SOURCE	WWW.DAL TILE.COM	GROUT: LATICRETE: 88 SILVER SHADOW
TIL-008	MUTINA TILE: CUBO NERO, 8 X 8	STONE SOURCE	WWW.DAL TILE.COM	GROUT: LATICRETE: 88 SILVER SHADOW
TIL-009	MUTINA TILE: GIRA NERO, 8 X 8	STONE SOURCE	WWW.DAL TILE.COM	GROUT: LATICRETE: 88 SILVER SHADOW
WOOD				
WD-001	DARK WALNUT WITH CLEAR POLYURETHANE COAT	MILLWORK CONTRACTOR		SAMPLE REQUIRED FOR APPROVAL
WD-002	MAPLE WITH CLEAR POLYURETHANE COAT	MILLWORK CONTRACTOR		SAMPLE REQUIRED FOR APPROVAL
WD-003	BUTCHER BLOCK TOP	MILLWORK CONTRACTOR		SAMPLE REQUIRED FOR APPROVAL

NOTE:
1" STAINLESS STEEL CORNER GUARD TO 48" AFF. TYP. ON ALL OUTSIDE CORNERS OF PROJECT SCOPE AREA. REFER TO SPEC FOR ADDITIONAL INFORMATION.

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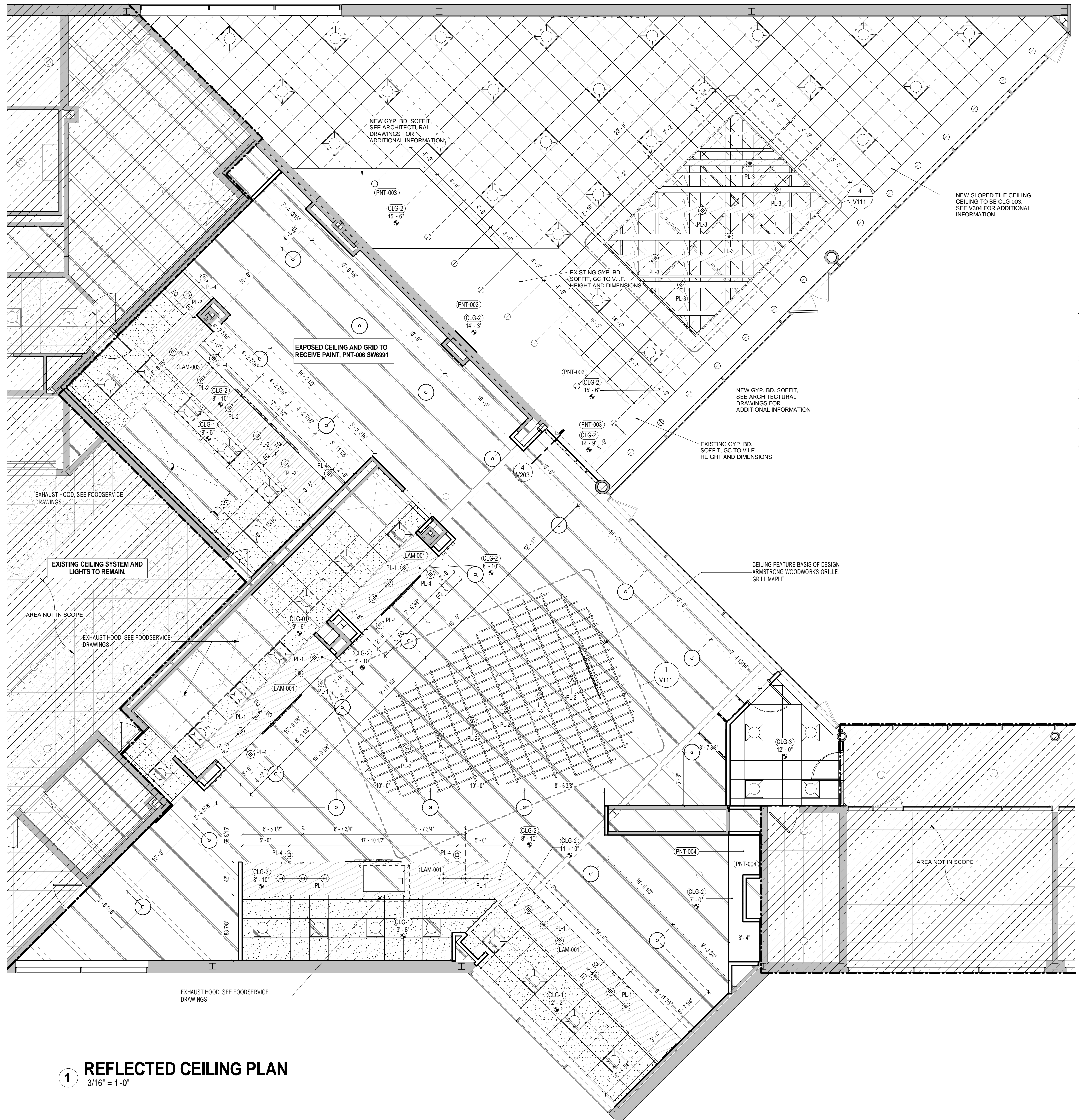
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DRAWING NAME:
FLOOR FINISH PLAN

DRAWING NO.:
V101

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1 REFLECTED CEILING PLAN
3/16" = 1'-0"

CEILING SCHEDULE	
TYPE	DESCRIPTION
CLG-1	ARMSTRONG "HEALTHZONE ULTIMA" SQUARE LAY-IN SMOOTH TEXTURE TILES W/ GRID SYSTEM. COLOR - WHITE (WH).
CLG-2	NEW GYP BRD. SOFFIT. FINISH AS SPECIFIED.
CLG-3	2x2 ACT CEILING. SEE SPEC.

LIGHTING FIXTURE SCHEDULE					
TYPE MARK	TYPE	MANUFACTURER	MODEL	COUNT	COMMENTS
PL-1	PENDANT LIGHT	PABLO STUDIO	PBL-SWELL-STRING-3-MIXED-SUSP - BLACK	23	
PL-2	PENDANT LIGHT	LIGHTYEAR	LT-Y-CARAVAGGIO-CAR300 - BLACK WITH RED CORD	12	
PL-3	PENDANT LIGHT	TECHLIGHTING	POWELL PENDANT-TD-SO-S-CF-SATIN NICKLE/WHITE INTERIOR	6	PROVIDE SHATTER PROOF BULB
PL-4	GOOSENECK	BARN LIGHT ELECTRIC	THE ORIGINAL WAREHOUSE GOOSENECK LIGHT - BLE-G-WHS-PC	9	

NOTE: REFER TO MEP DRAWINGS & SPEC BOOK FOR ADDITIONAL INFORMATION ABOUT GENERAL LIGHTING

SYMBOL LEGEND	
	2X2 LED FIXTURE
	RECESSED CAN FIXTURE
	LAMINATE CEILING
	MONITOR
	SCONCE
	MULTI ACCENT PENDANT LIGHT
	ACCENT PENDANT LIGHT
	ACCENT PENDANT LIGHT

REFLECTED CEILING PLAN - GENERAL NOTES

1. REFERENCE ARCHITECTURAL REFLECTED CEILING DRAWINGS FOR CONSTRUCTION LAYOUT OF SOFFITS AND TILE CEILINGS
2. SEE EQUIPMENT DRAWINGS FOR ADDITIONAL EQUIPMENT DRAWINGS (EQUIPMENT TO BE PROVIDED BY OTHERS).
3. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
4. ALL ACT TILE CEILINGS ARE TO BE CENTERED WITH IN ROOM UNLESS OTHER NOTED, SEE A 201 FOR ADDITIONAL INFORMATION.
5. REFER TO MEP DRAWINGS & SPEC BOOK FOR ADDITIONAL INFORMATION ABOUT GENERAL LIGHTING.
6. DETAILS 4-6/V111 ARE FOR FINISH REFERENCE ONLY, SEE DETAILS XX/A202 FOR ADDITIONAL INFORMATION.

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NO.	DATE DESCRIPTION

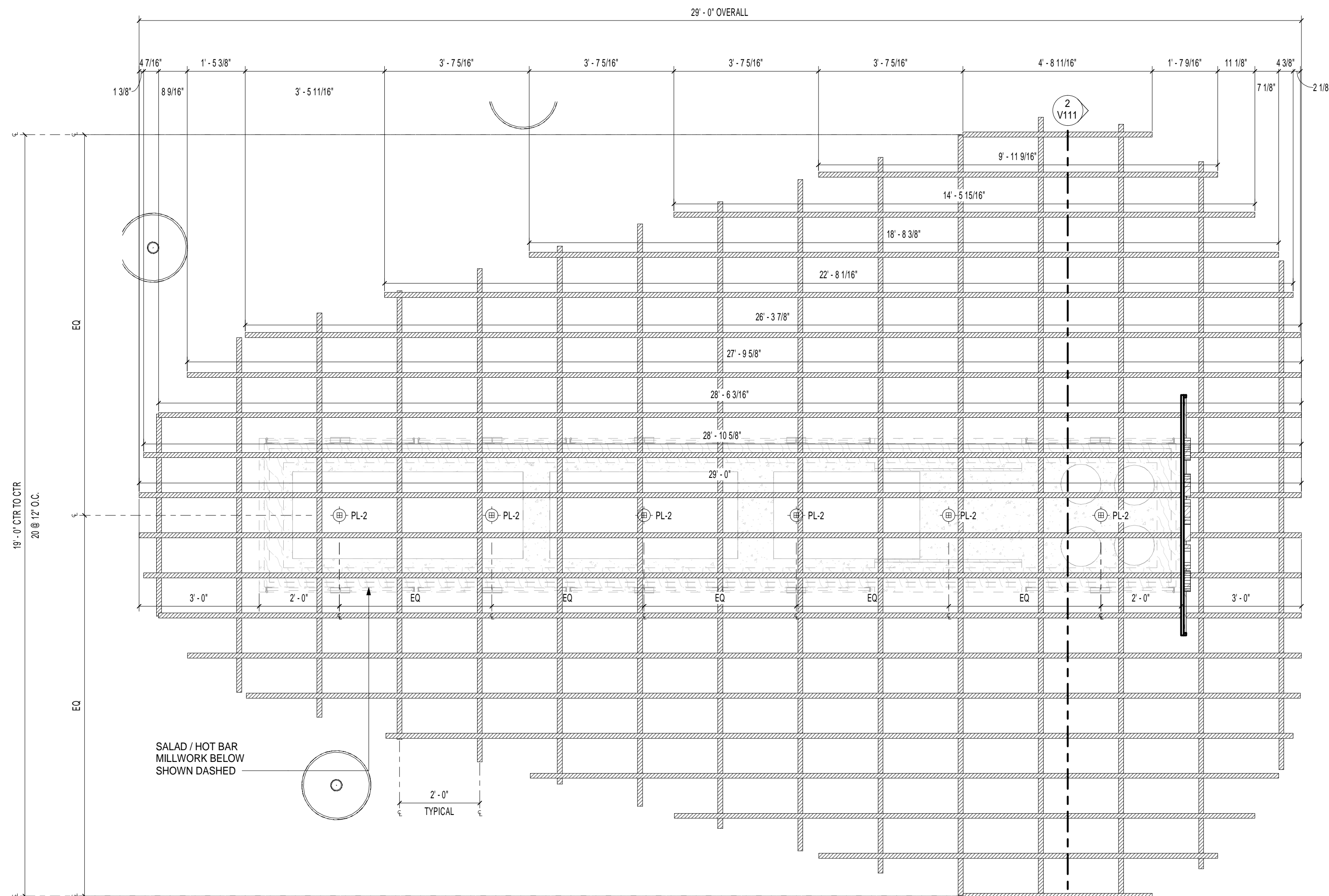
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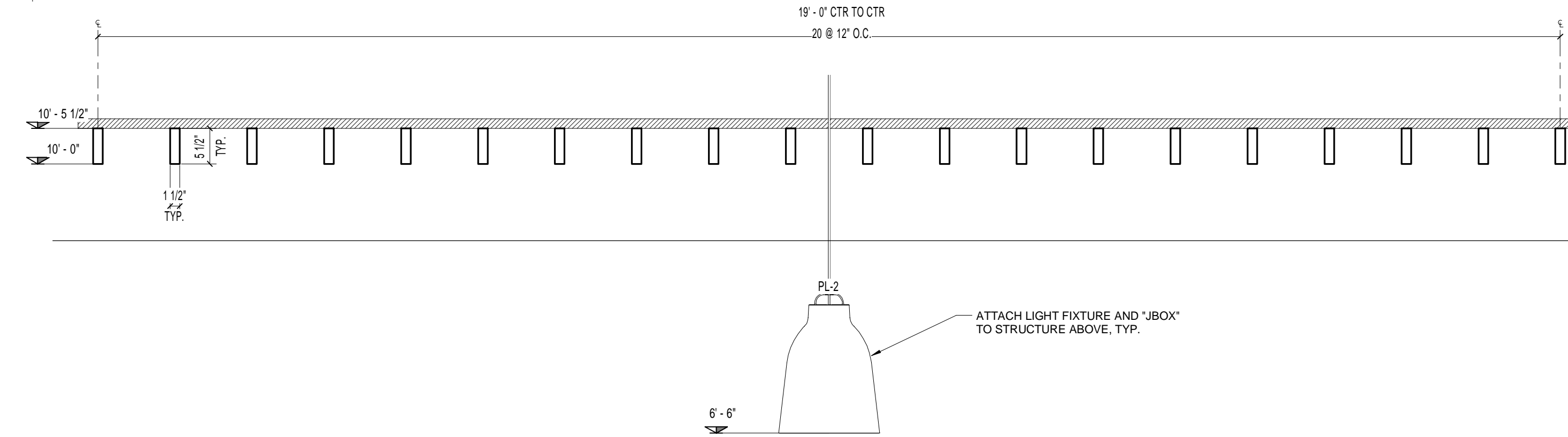
REFLECTED CEILING PLAN

DRAWING NO.
V110

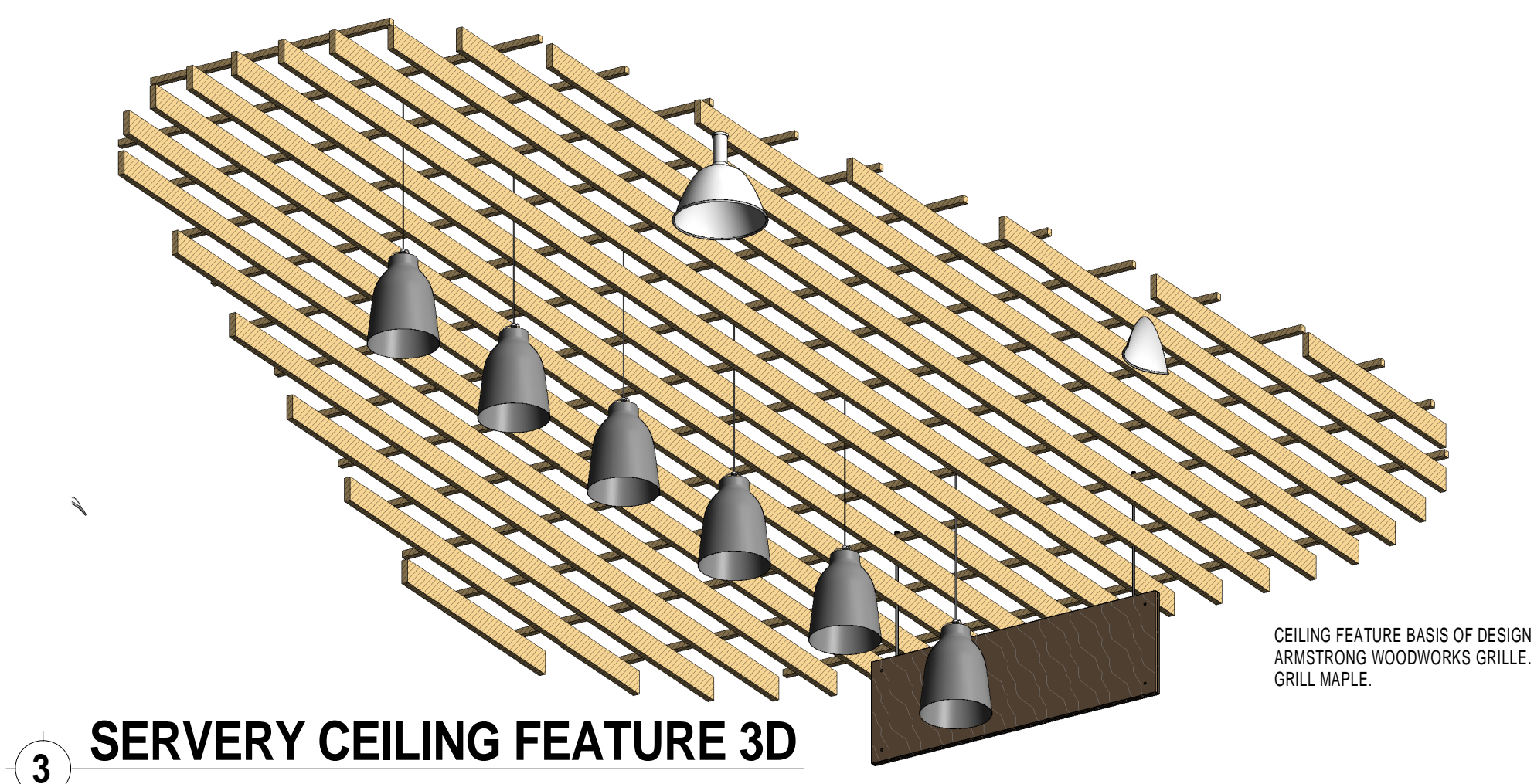
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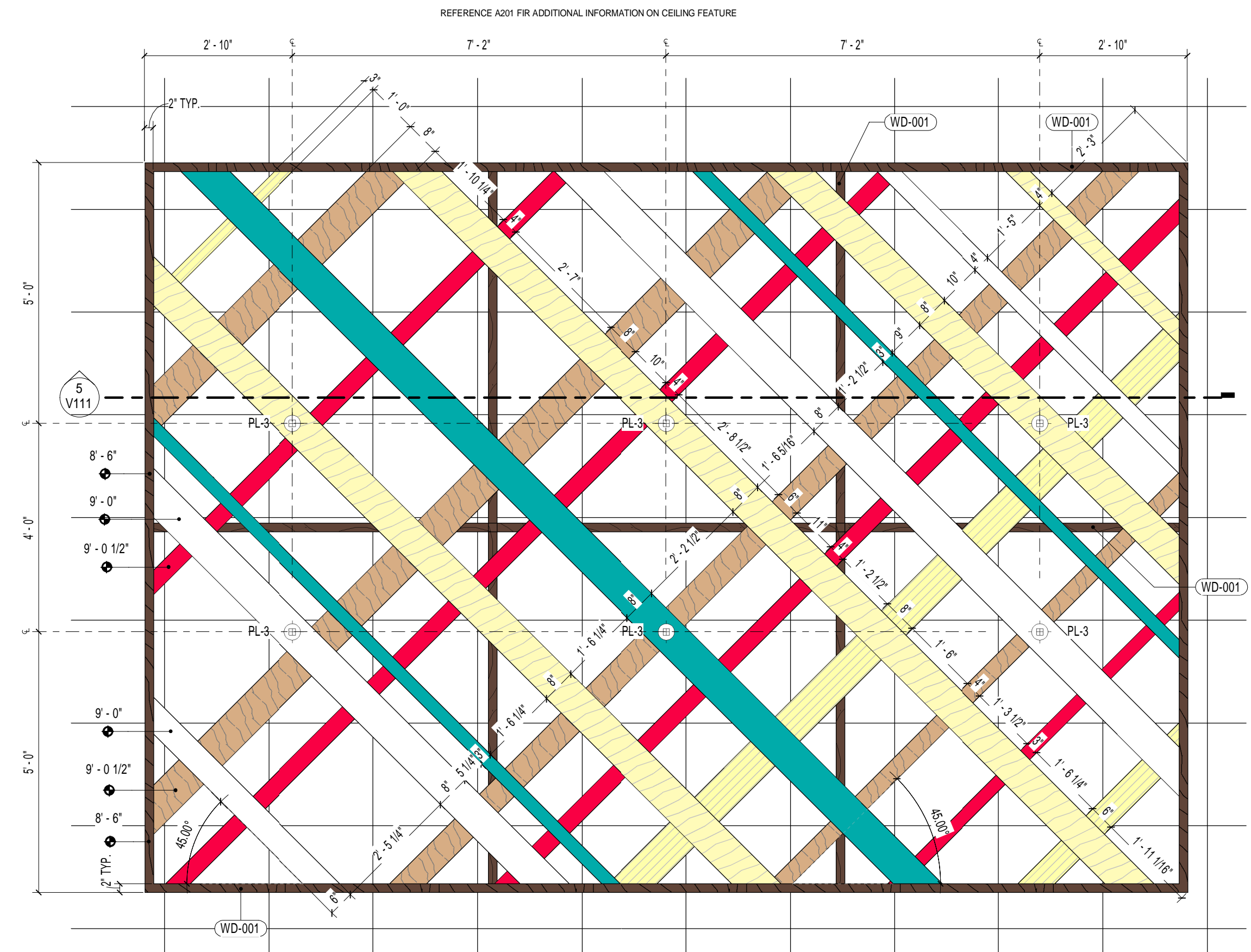
1 ENLARGED SERVERY CEILING FEATURE
1/2" = 1'-0"



2 SECT @ SERVERY CEILING FEATURE
3/4" = 1'-0"



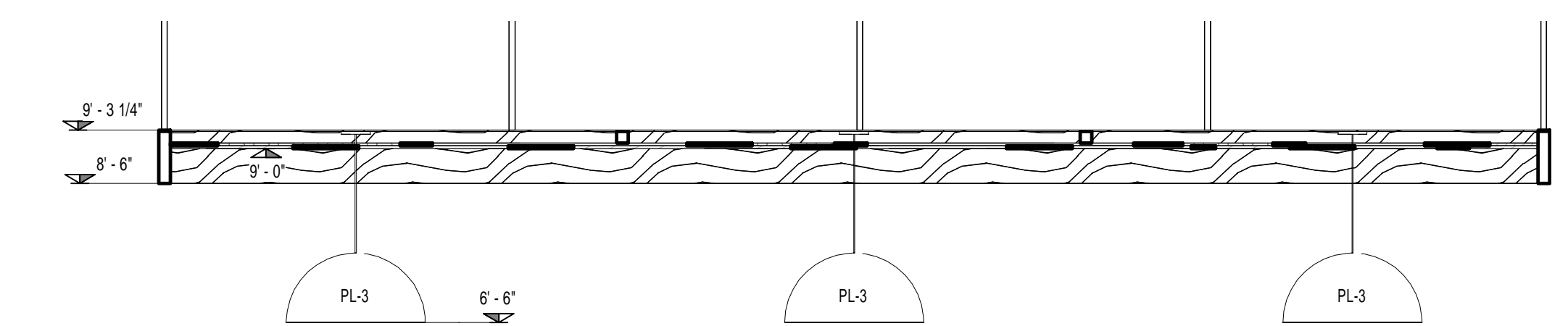
3 SERVERY CEILING FEATURE 3D



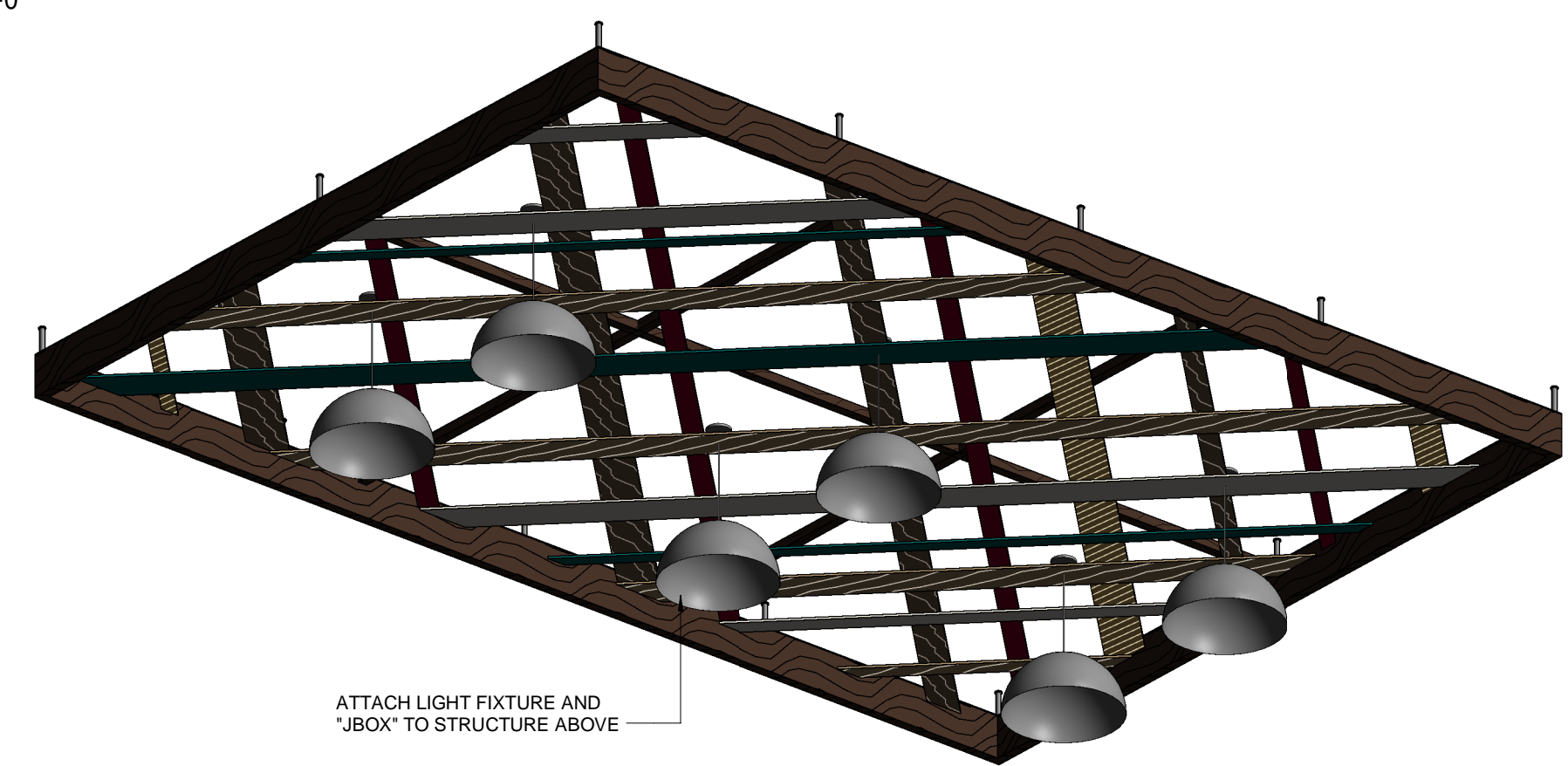
4 ENLARGED SEATING AREA CEILING FEATURE
1/2" = 1'-0"

CEILING FEATURE LAMINATES			
COLOR	MARK	MANUFACTURER	MODEL
	LAM-001	WILSONART	MISSION MAPLE 7990-38
	LAM-002	WILSONART	PALISADES OAK 7987-38
	LAM-003	NEVAMAR	SUNRAY - S4022T

CEILING FEATURE LAMINATES			
COLOR	MARK	MANUFACTURER	MODEL
	LAM-004	NEVAMAR	SOLID WHITE - S7004
	LAM-005	NEVAMAR	CARMEN RED
	LAM-006	NEVAMAR	FIJI - SB0300



5 SECT @ SEATING AREA CEILING FEATURE
1/2" = 1'-0"



6 SEATING AREA CEILING FEATURE 3D

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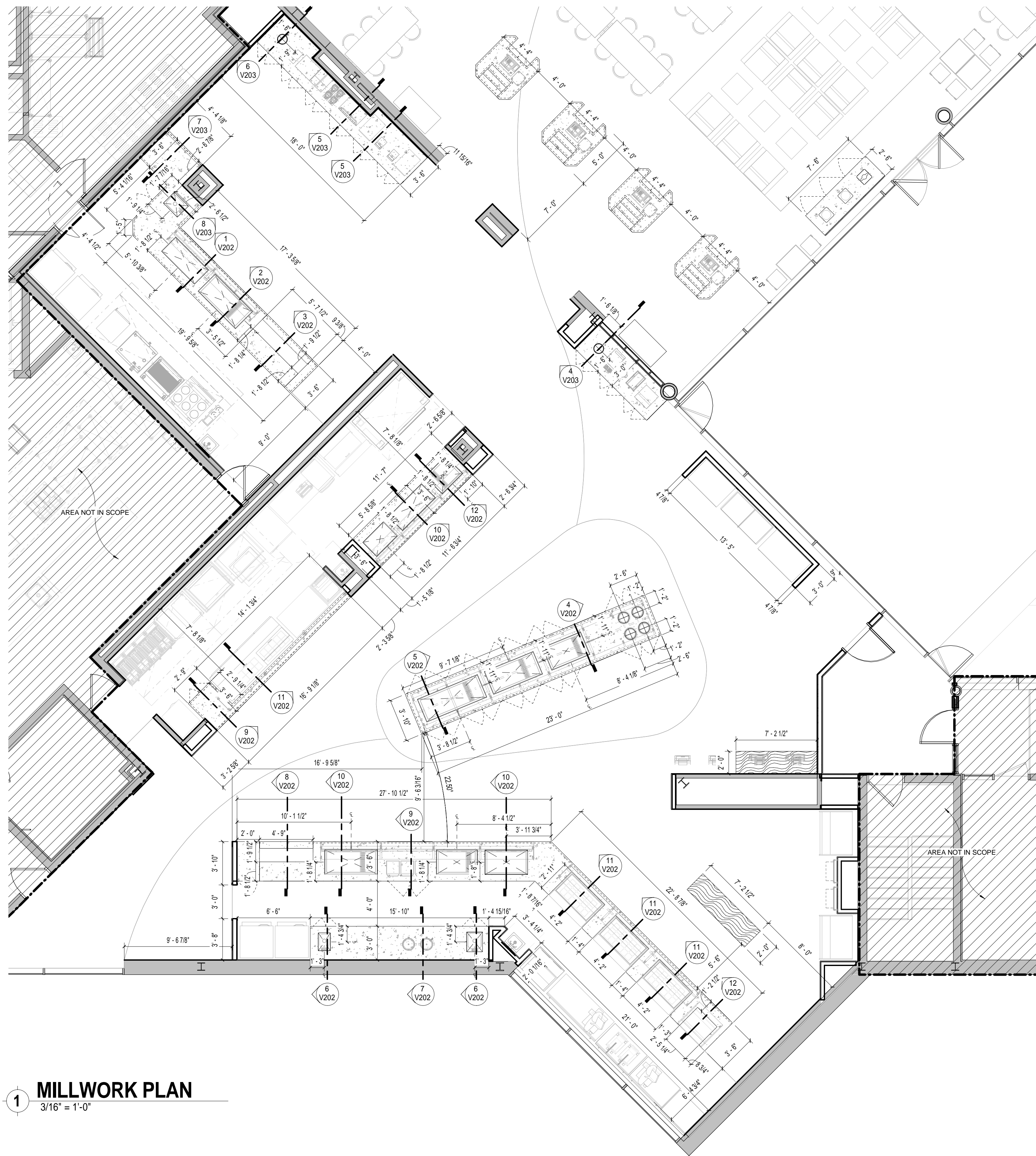
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		DESCRIPTION	DESCRIPTION

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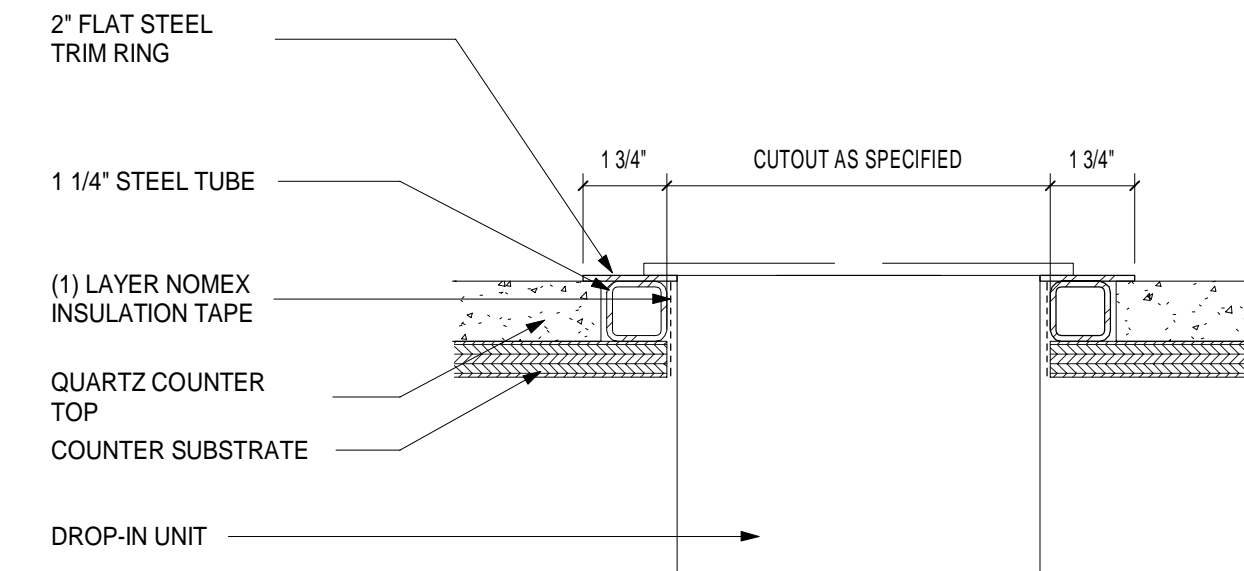
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DRAWING NAME:
REFLECTED CEILING PLAN DETAILS

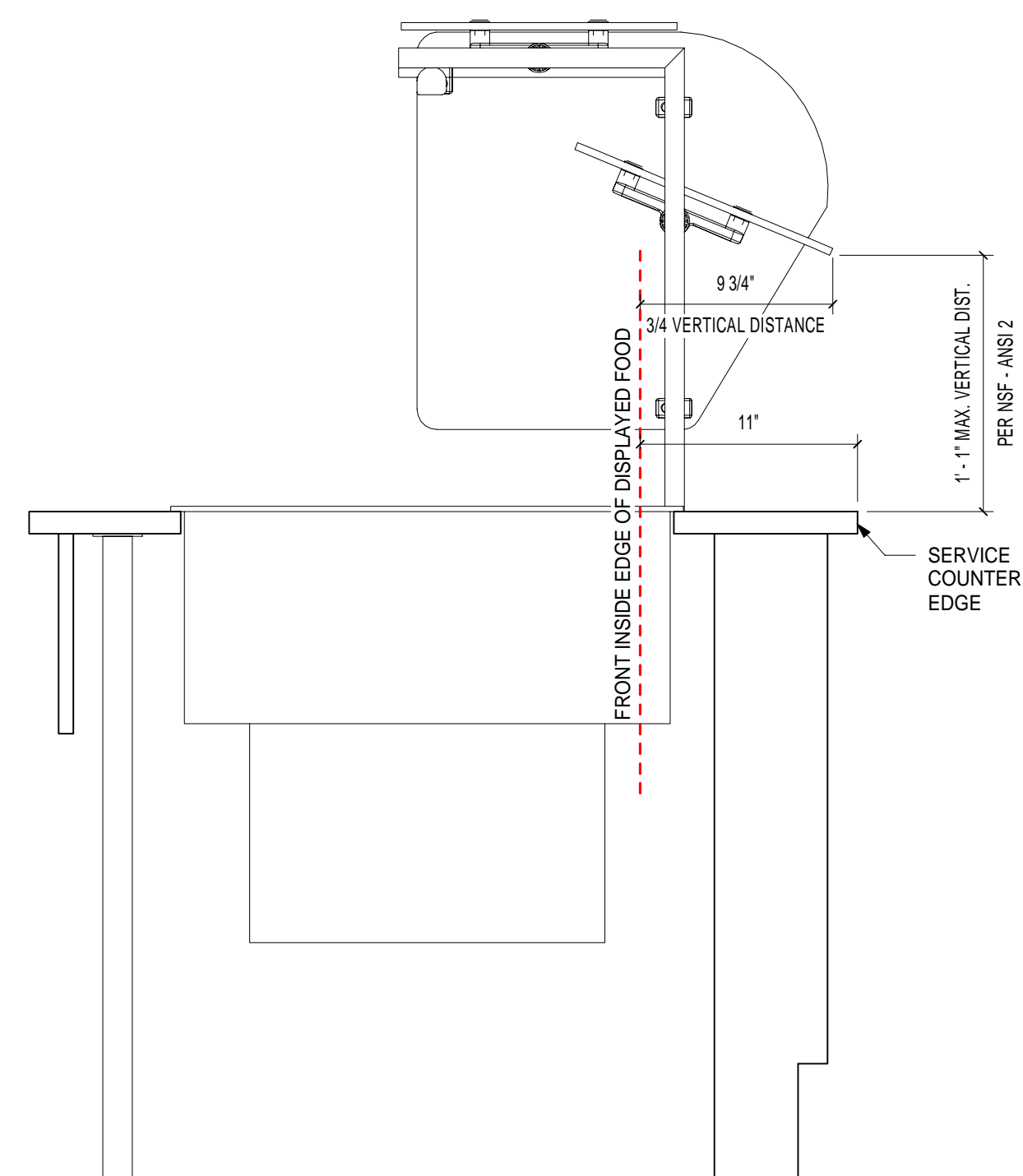
DRAWING NO.
V111



1 MILLWORK PLAN
3/16" = 1'-0"



3 MILLWORK BEAUTY / HEAT RING DETAIL
3" = 1'-0"



2 SELF SERVE FOOD SHIELD w/ TRAY REST
1 1/2" = 1'-0"

MILLWORK LEGEND

GENERAL NOTES:

- REFER TO FINISHES SCHEDULE FOR ALL FINISHES.
- MILLWORK CONTRACTOR TO SITE VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DRAWINGS TO BE READ IN CONJUNCTION WITH EQUIPMENT SCHEDULE & ASSOCIATED DOCUMENTATION SUBMITTED BY VISIONBUILDERS & DESIGN.
- MILLWORK CONTRACTOR TO SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION / FABRICATION FOR DESIGNER'S APPROVAL.
- UNLESS OTHERWISE NOTED, ALL INTERIOR KNEEWALL SURFACES AND CABINET INTERIORS TO RECEIVE WHITE PLASTIC LAMINATE FINISH.
- UNLESS OTHERWISE NOTED, THE UNDERSIDE OF THE COUNTERTOP SUBSTRATE IS TO RECEIVE A WHITE PLASTIC LAMINATE FINISH.
- ALL SURFACES TO BE FINISHED. NO EXPOSED SURFACES WILL BE ACCEPTED.
- MILLWORK CONTRACTOR TO ENSURE COUNTER FITS SNUG WITH SURROUNDING SITE AND MILLWORK CONDITIONS. IF NECESSARY SCRIBE COUNTER ON SITE.
- WHERE COUNTERTOP SUBSTRATE INTERFERES WITH UNDERCOUNTER EQUIPMENT CLEARANCES, STEEL FLAT BARS SHALL BE USED TO SUPPORT THE COUNTERTOP AS NEEDED.
- MILLWORK CONTRACTOR TO ENSURE ALL SPECIFIED/PROVIDED EQUIPMENT FITS INTO COUNTER AS NOTED. CHECK ALL MANUFACTURER'S SPECIFICATIONS PRIOR TO FABRICATION.
- MILLWORK CONTRACTOR TO LIASE WITH KEC TO COORDINATE ADEQUATE MILLWORK REINFORCEMENT TO SUPPORT SPECIFIED/PROVIDED EQUIPMENT AT FULL CAPACITY.
- MILLWORK CONTRACTOR TO CLEAN AND SEAL AROUND ALL COUNTERTOP CUTOUTS FOR EQUIPMENT, TRASH DROPS, ETC.
- ANY SUPPORT LEGS INDICATED ON THE DRAWINGS ARE SUGGESTED PLACEMENT. QUANTITY OF SUPPORT LEGS SHALL BE DETERMINED BY MILLWORK CONTRACTOR AND KEC.
- MILLWORK CONTRACTOR TO PROVIDE ADEQUATE VENTILATION IN COUNTERS FOR REQUIRED EQUIPMENT. CHECK ALL MANUFACTURER'S SPECIFICATIONS PRIOR TO FABRICATION.
- ALL CONSTRUCTION TO BE 3/4" C-3 GRADE PLYWOOD OR APPROVED EQUAL, FINISH AS SPECIFIED.
- UNLESS OTHERWISE DETAILED, LOUVERED MILLWORK DOORS SHALL HAVE 1/2" VENTILATION SLOTS ROUTED INTO THE ENTIRE DOOR @ 1 1/2" OC. VENTILATION SLOTS SHALL STOP MIN. 3" ON ALL SIDES. INSIDE OF SLOT TO BE PAINTED BLACK WITH WATERPROOF SEALANT.
- CUSTOMER SIDE OF ALL SERVING COUNTERS SHALL NOT EXCEED 34" ABOVE FINISHED FLOOR.

COUNTER TOPS

- ALL COUNTERTOP MATERIALS TO BE INSTALLED PER MANUFACTURER'S DETAILS AND SPECIFICATION.
- USE COUNTERTOP MANUFACTURER'S RECOMMENDED DIMENSIONS TO PROVIDE ADEQUATE SUPPORT OF THE PRODUCT.
- USE COUNTERTOP MANUFACTURER'S RECOMMENDATIONS FOR OVERHANG DIMENSIONS. OVERHANGS SHOULD NOT EXCEED 1/3 OF THE TOTAL COUNTERTOP DEPTH.
- USE COUNTERTOP MANUFACTURER'S RECOMMENDATIONS FOR INCORPORATING THE NECESSARY EQUIPMENT CUTOUTS IN THEIR MATERIAL. CUTOUT SIZES TO BE COORDINATED WITH THE KEC.
- EQUIPMENT SHOULD BE THERMALLY ISOLATED FROM THE COUNTERTOP MATERIAL TO AVOID HEAT/COLD TRANSFER TO THE MATERIAL.

NOTE:
MILLWORK SECTIONS ARE SHOWN AS A GENERAL REPRESENTATION OF PROFILE AND MATERIAL PLACEMENT. MILLWORK SECTIONS ARE NOT TO BE CONSTRUED AS A MEANS AND METHODS FOR CONSTRUCTION/FABRICATION.

MILLWORK CUTOUTS INDICATED ARE BASED ON EQUIPMENT SPECIFIED IN VISIONBUILDERS & DESIGN DOCUMENTS.

ANY SUBSTITUTIONS OR ALTERATIONS TO SPECIFIED EQUIPMENT RENDERS CUTOUT INFORMATION NULL AND VOID.

SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.

XX → ITEM NUMBER
0'0" x 0'0" → CUTOUT SIZE

NOTE:
ALL OUTSIDE CORNERS OF MILLWORK TO RECEIVE A 3/4" X 3/4" STAINLESS STEEL CORNER GUARD

NSF International Standard / American National Standard
NSF/ANSI 2 - 2014
Food Equipment
https://www.nsf.org/newsroom/pdf/NSF_2-2012_-_watermarked.pdf

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SUNY PURCHASE COLLEGE
CAFE RENOVATION
735 ANDERSON HILL RD
PURCHASE, NY 10577

NO.	DATE	REVISIONS	
		DESCRIPTION	BY

ISSUED FOR: BID
ISSUED DATE: July, 26 2019

DRAWN BY: Author
CHECKED BY: Checker
PROJECT NUMBER: CW-0205-4

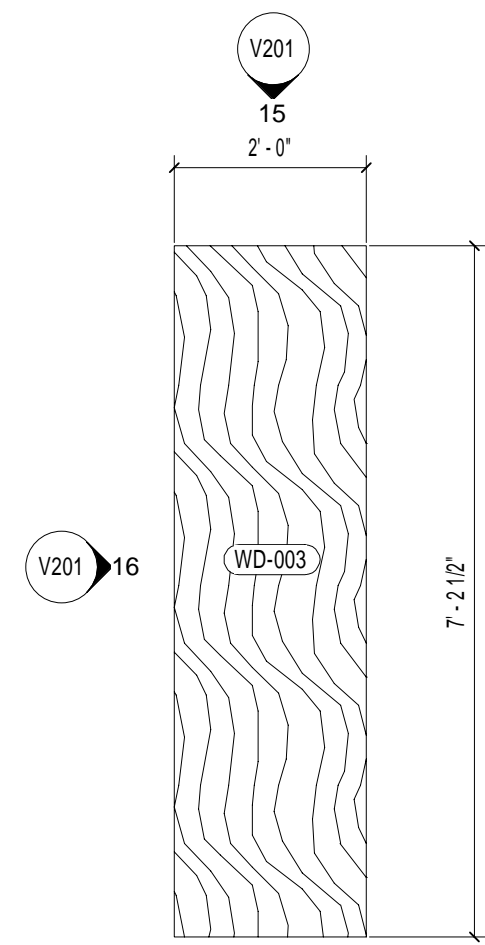
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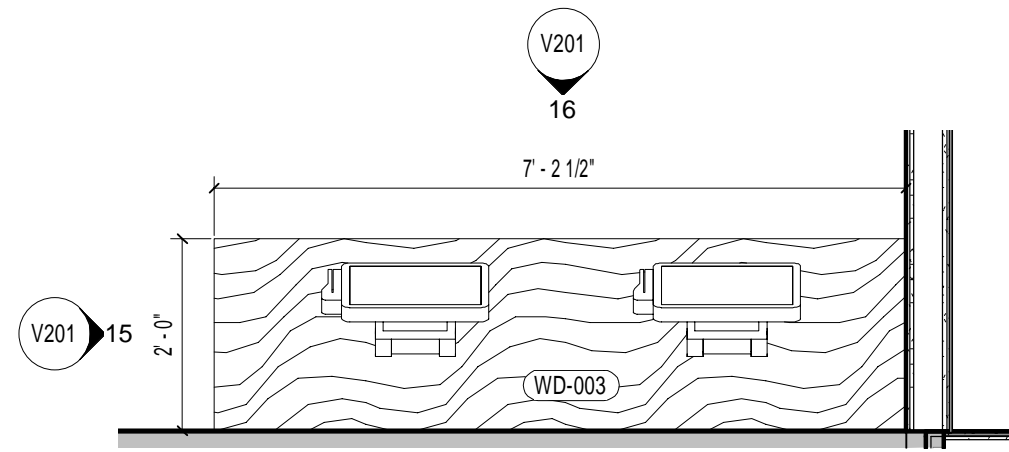
MILLWORK PLAN

DRAWING NO.
V200

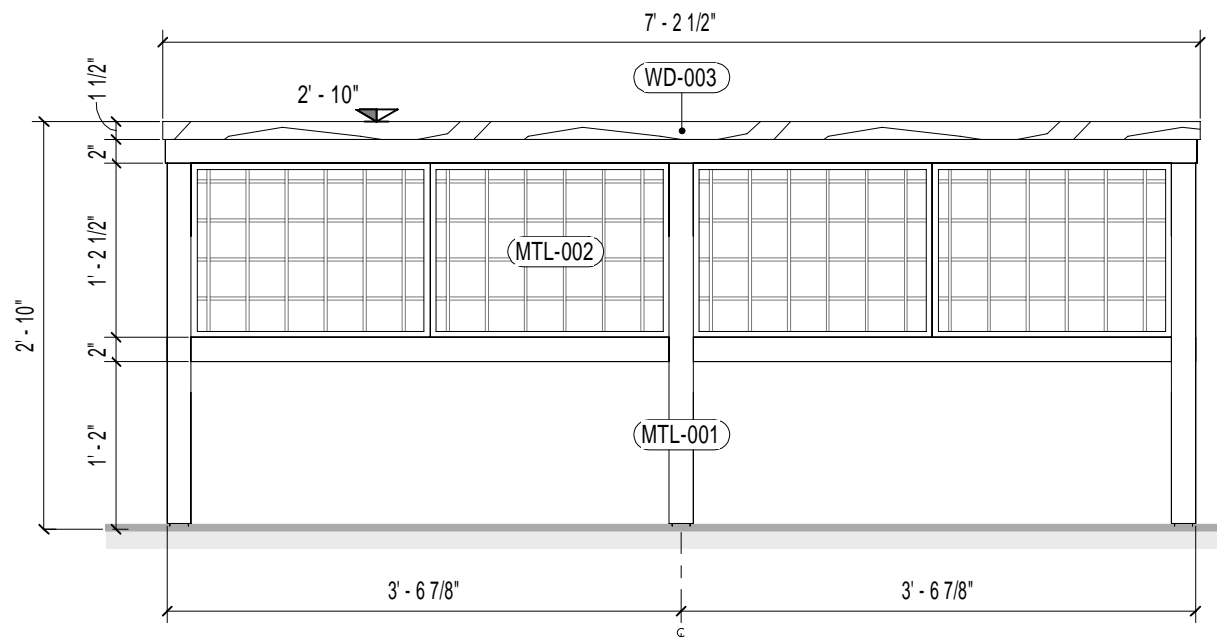
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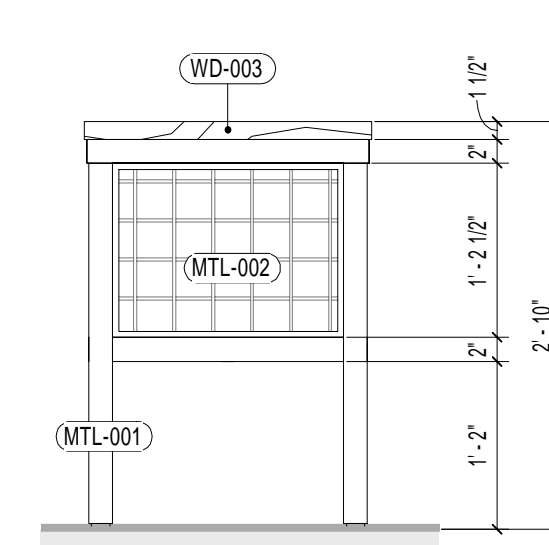
18 ENLARGED MERCHANDISER PLAN
1/2" = 1'-0"



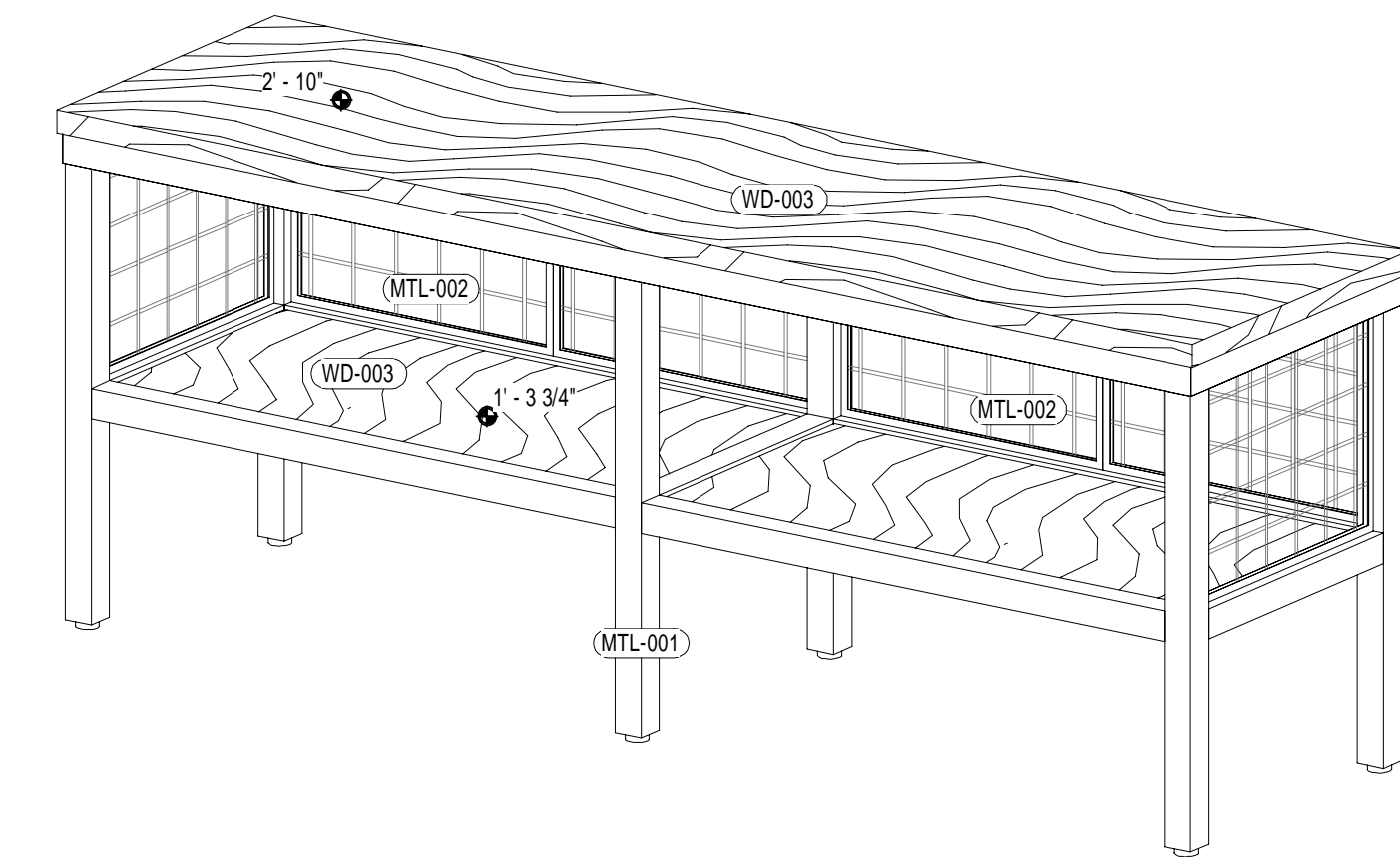
17 ENLARGED ORDER KISOK STATION
1/2" = 1'-0"



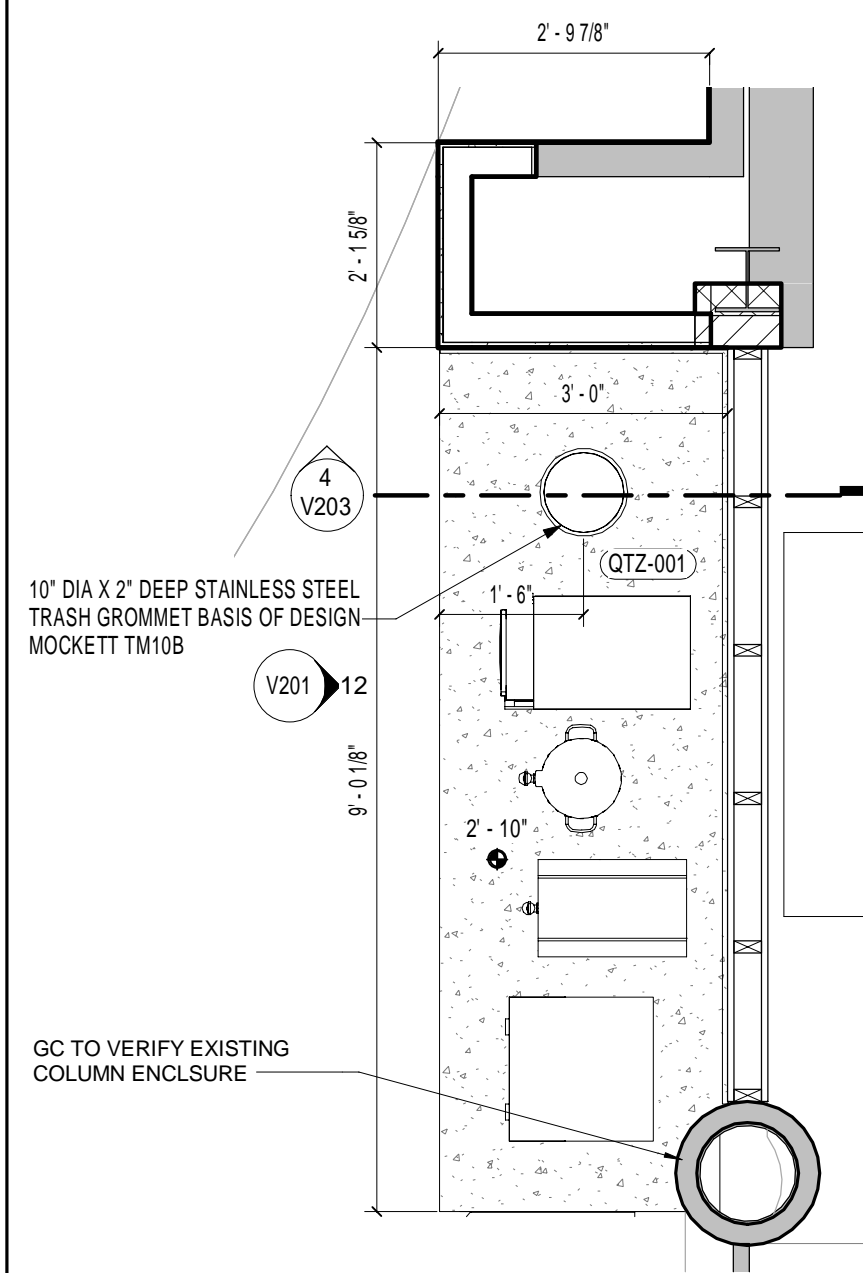
16 MERCHANDISER SIDE
3/4" = 1'-0"



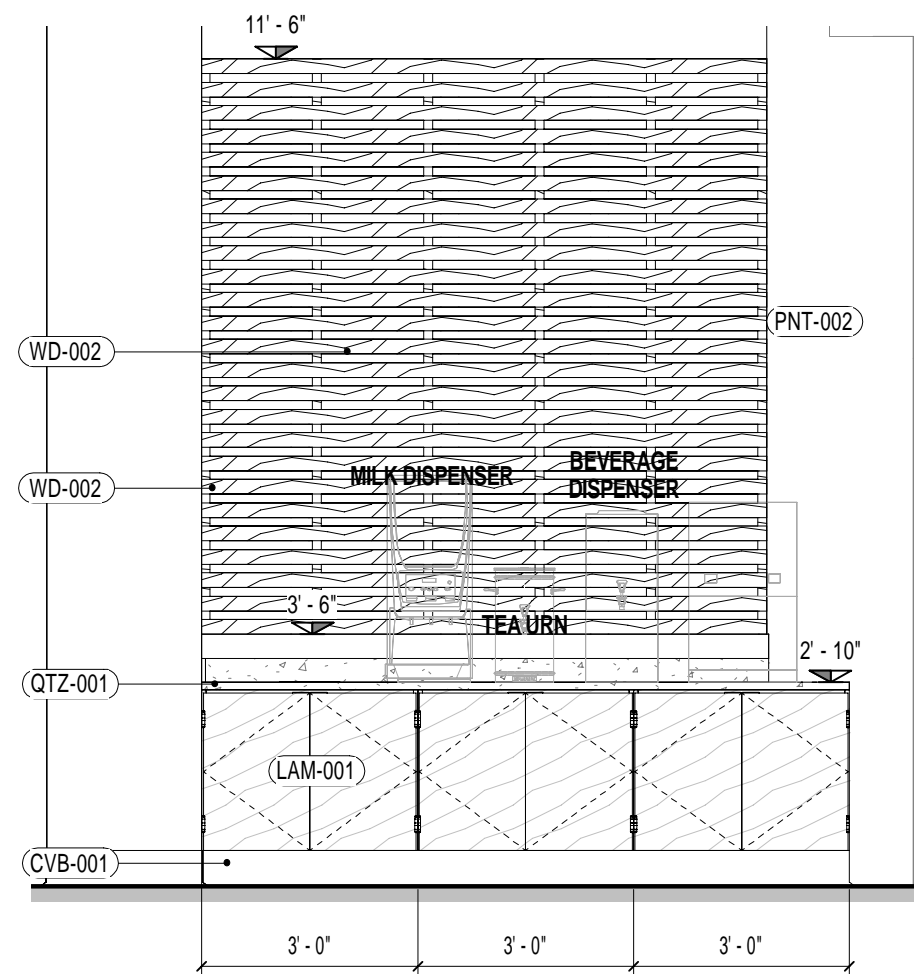
15 MERCHANDISER END
3/4" = 1'-0"



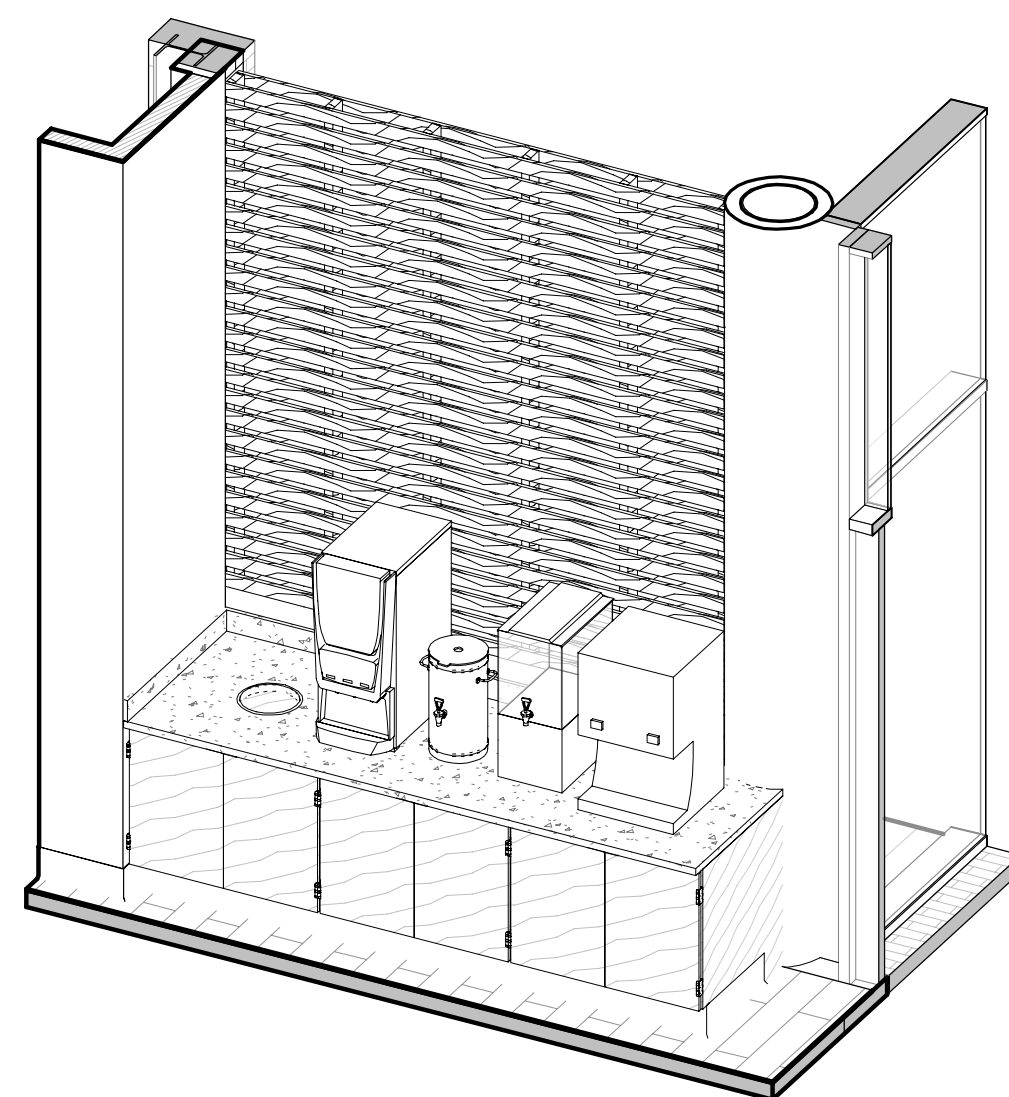
14 MERCHANDISER / ORDER KIOSK 3D



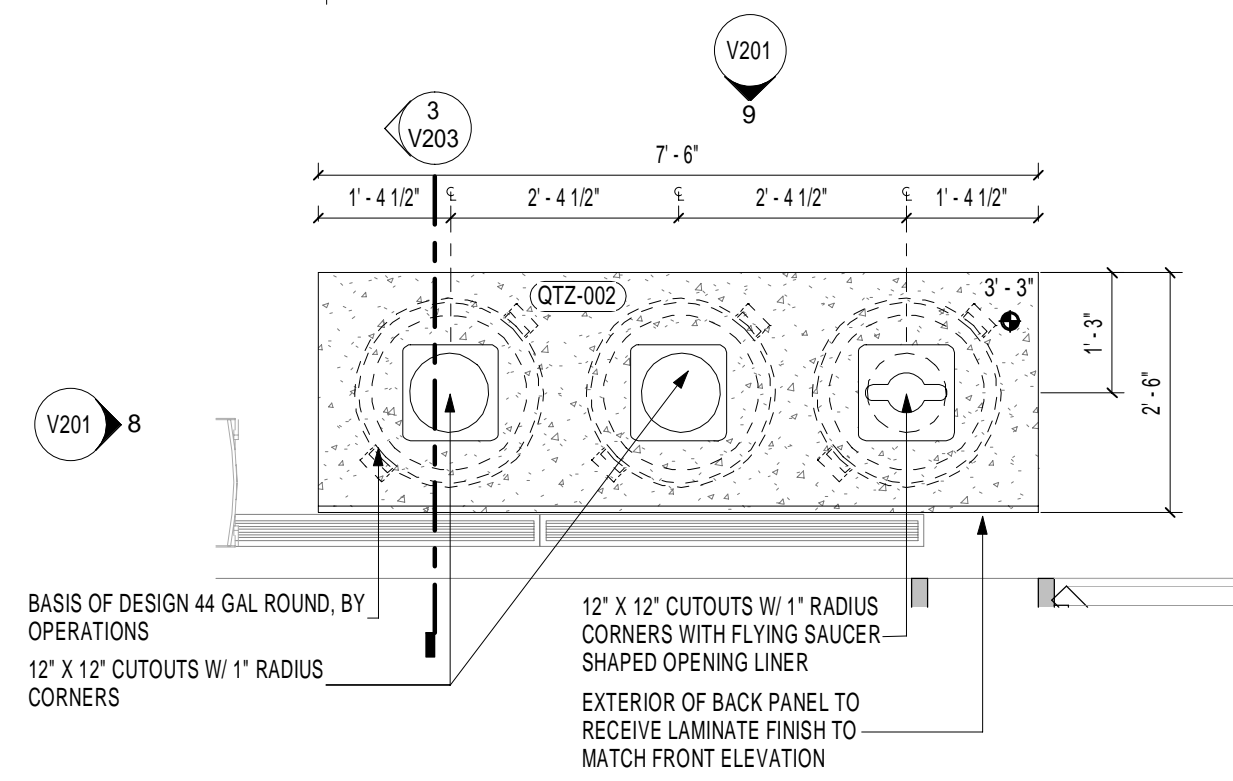
13 ENLARGED BEVERAGE FEATURE WALL
1/2" = 1'-0"



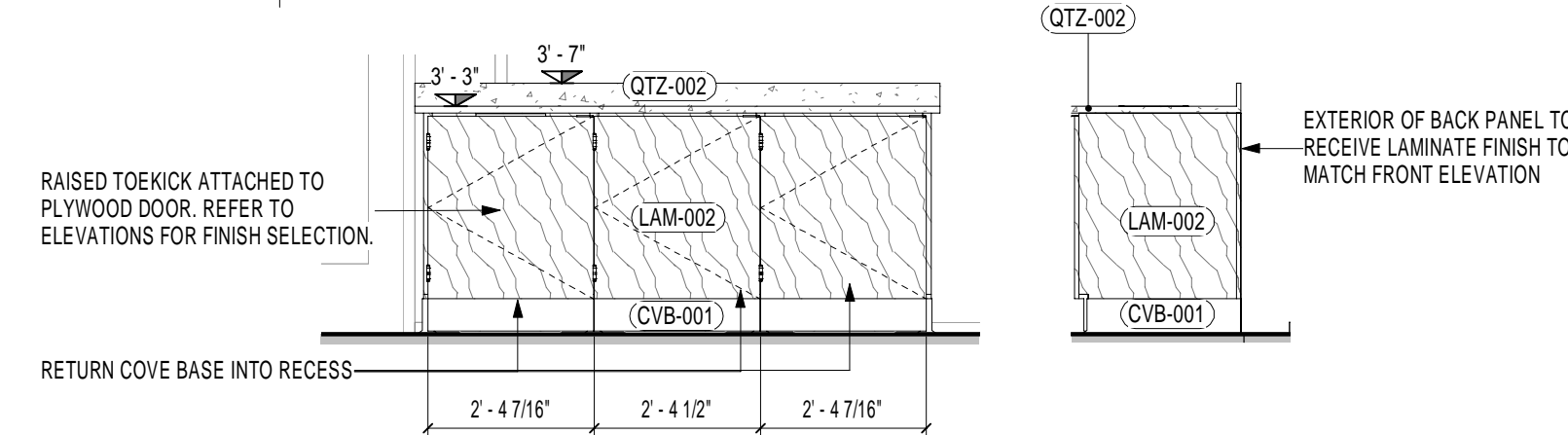
12 BEVERAGE ELEVATION
3/8" = 1'-0"



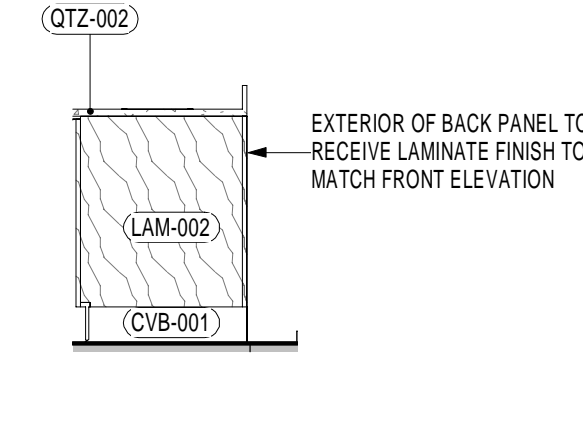
11 BEVERAGE STATION 3D



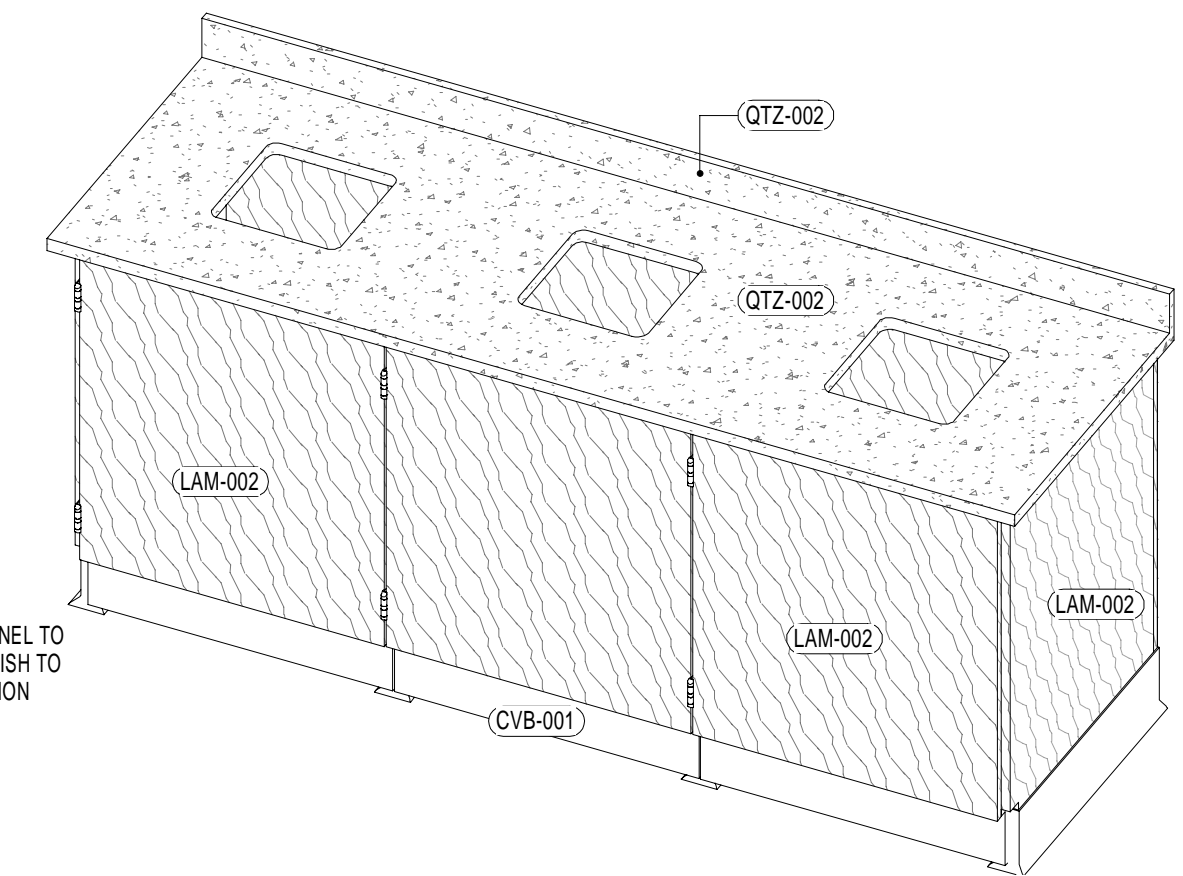
10 ENLARGED TRASH RECYCLING
1/2" = 1'-0"



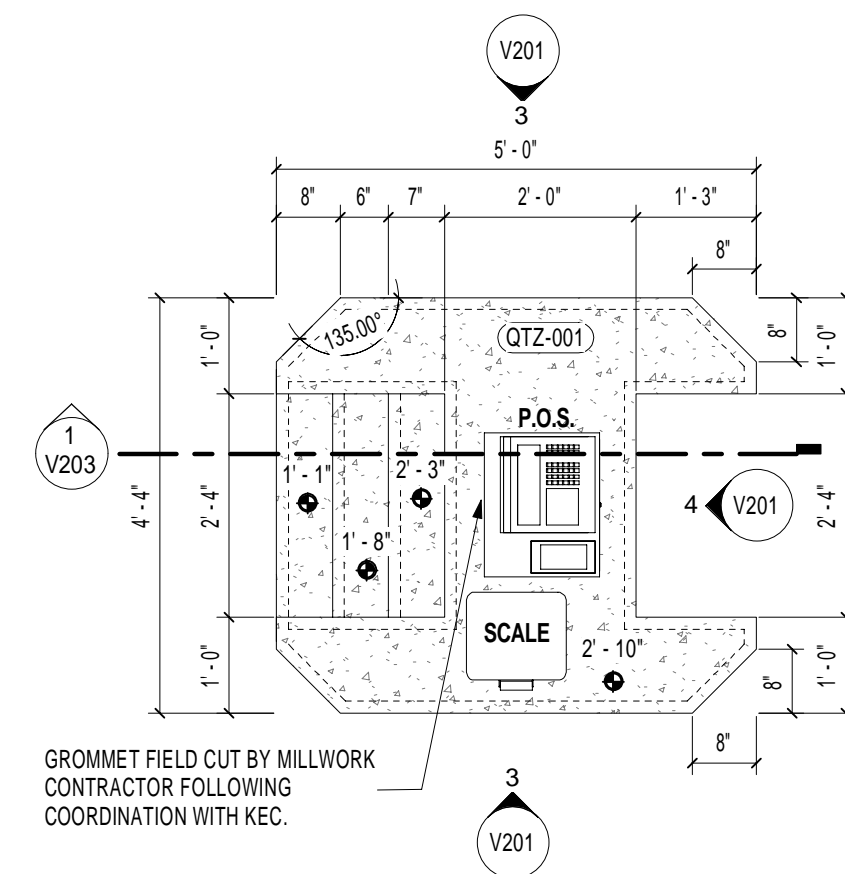
9 TRASH / RECYCLING FRONT
3/8" = 1'-0"



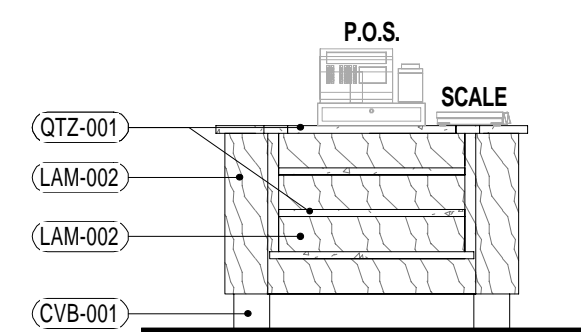
8 TRASH / RECYCLING SIDE
3/8" = 1'-0"



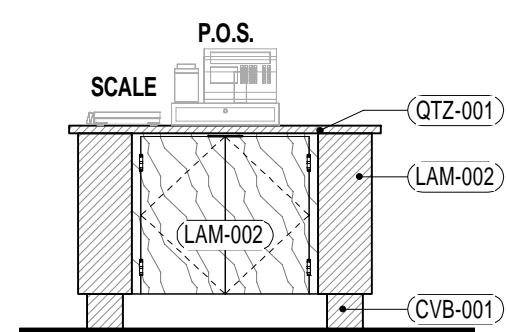
7 TRASH / RECYCLING 3D



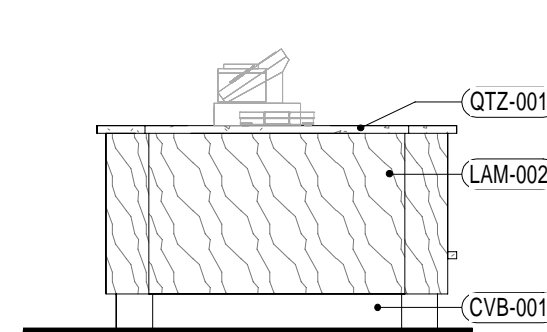
6 ENLARGED TYP. POS PLAN
1/2" = 1'-0"



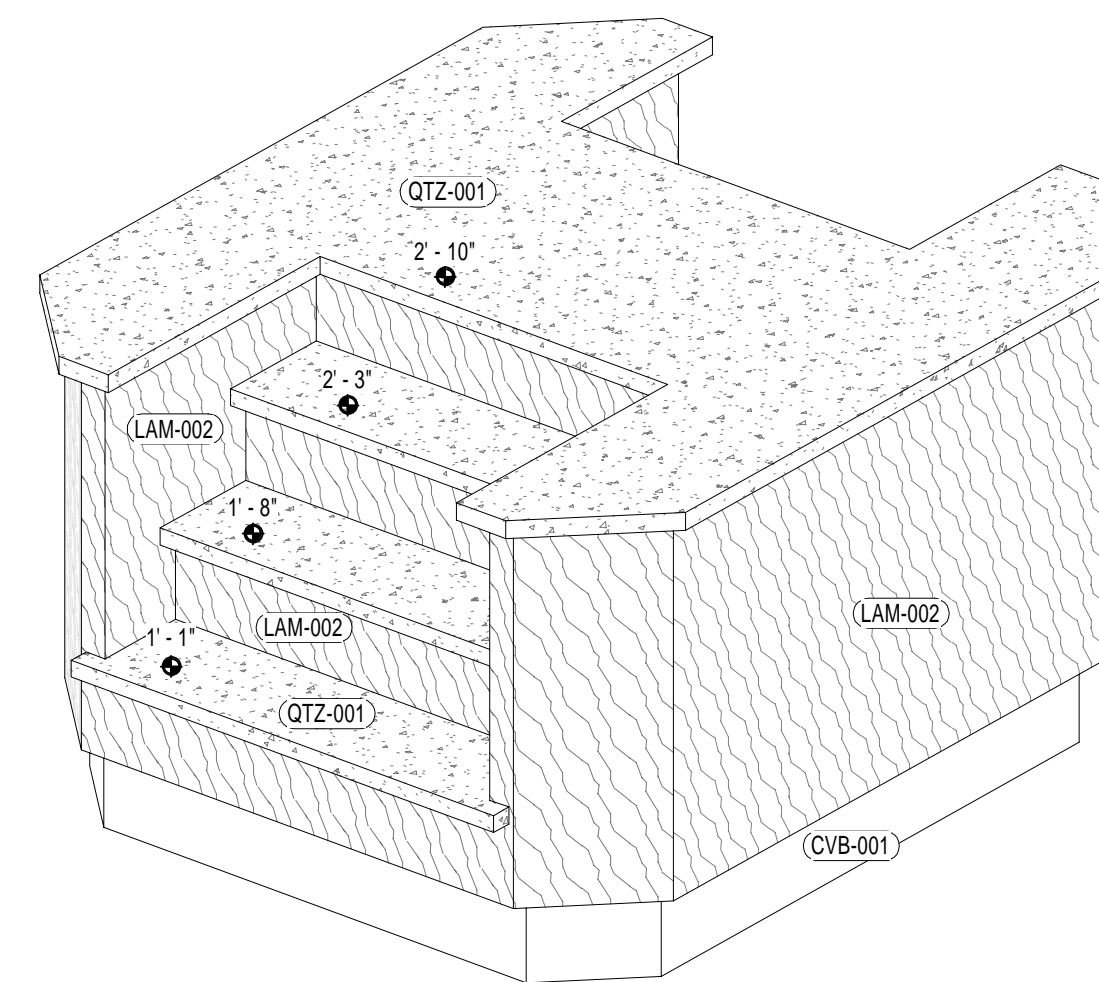
5 POS FRONT
3/8" = 1'-0"



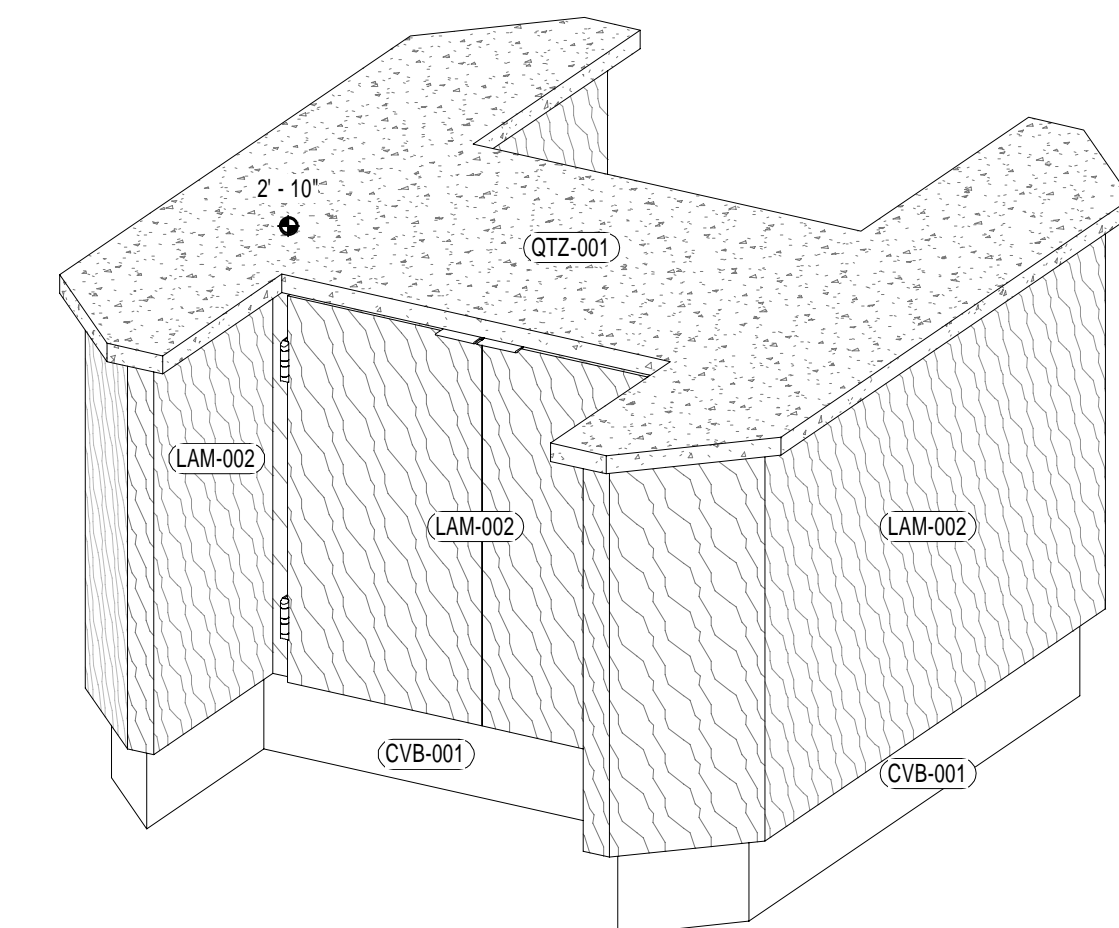
4 POS BACK
3/8" = 1'-0"



3 POS SIDE
3/8" = 1'-0"



2 POS FRONT 3D



1 POS BACK 3D

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 203 BRIDGE PLAZA, SUITE 200, CHESHAM, CT 06829

SUNY PURCHASE COLLEGE
 CAFE RENOVATION
 735 ANDERSON HILL RD
 PURCHASE, NY 10577

NO.	DATE	REVISIONS	
		DESCRIPTION	DESCRIPTION

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 ISSUED DATE: July, 26 2019

DRAWN BY: Author
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DRAWING NAME:

MILLWORK PLANS & DETAILS

DRAWING NO.
V201

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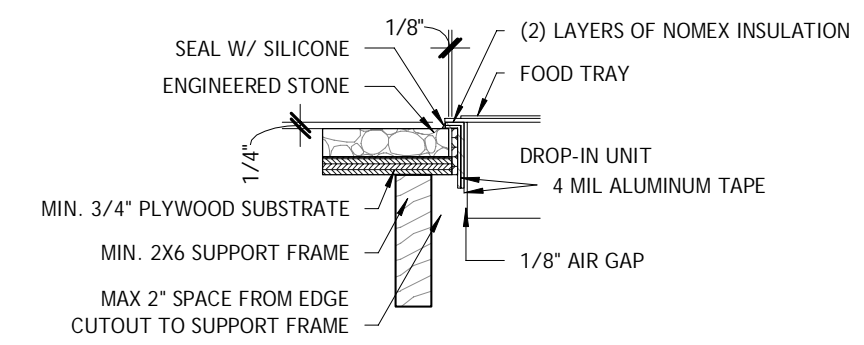
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NO.	DATE	REVISIONS	DESCRIPTION

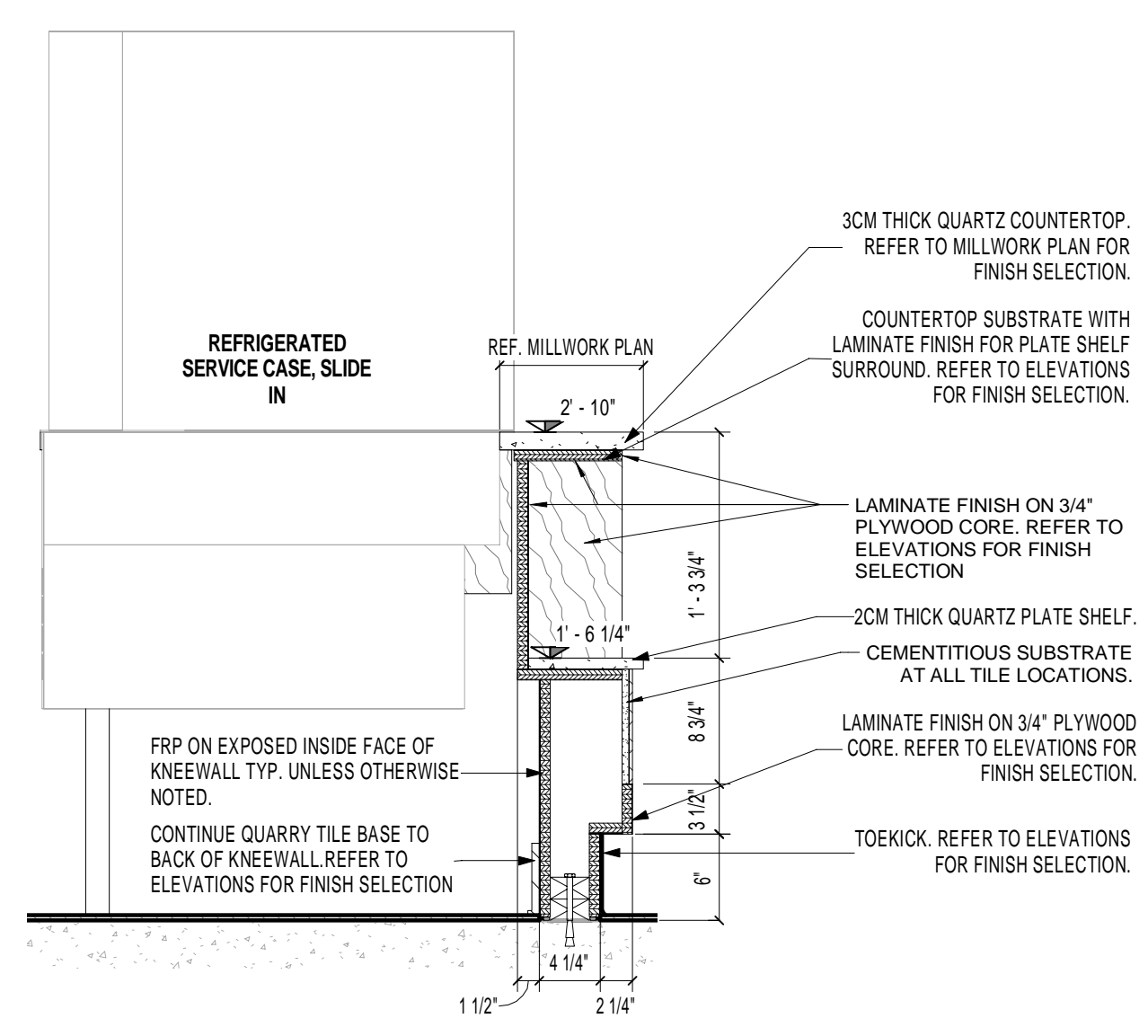
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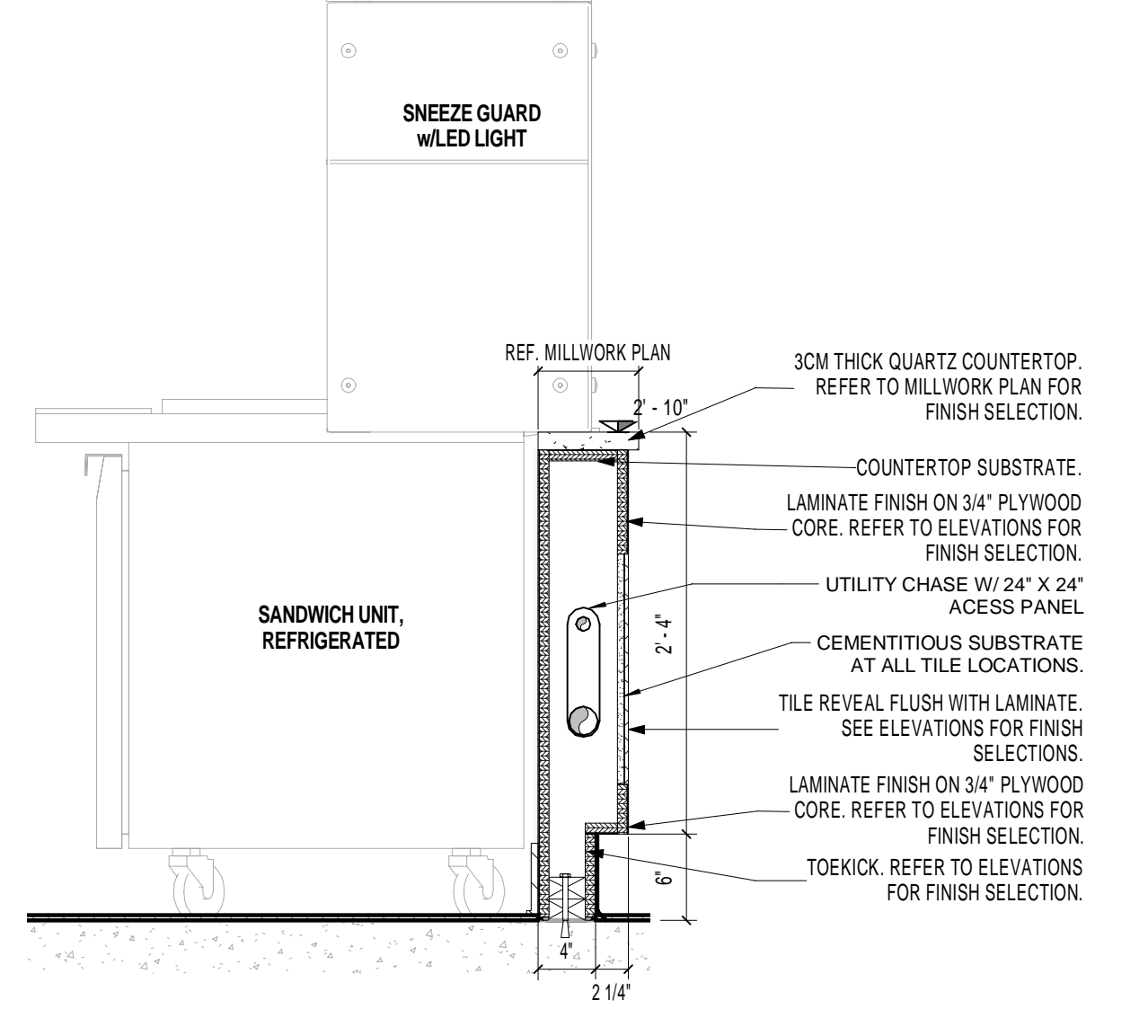
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MILLWORK SECTIONS
 DRAWING NO.
V202



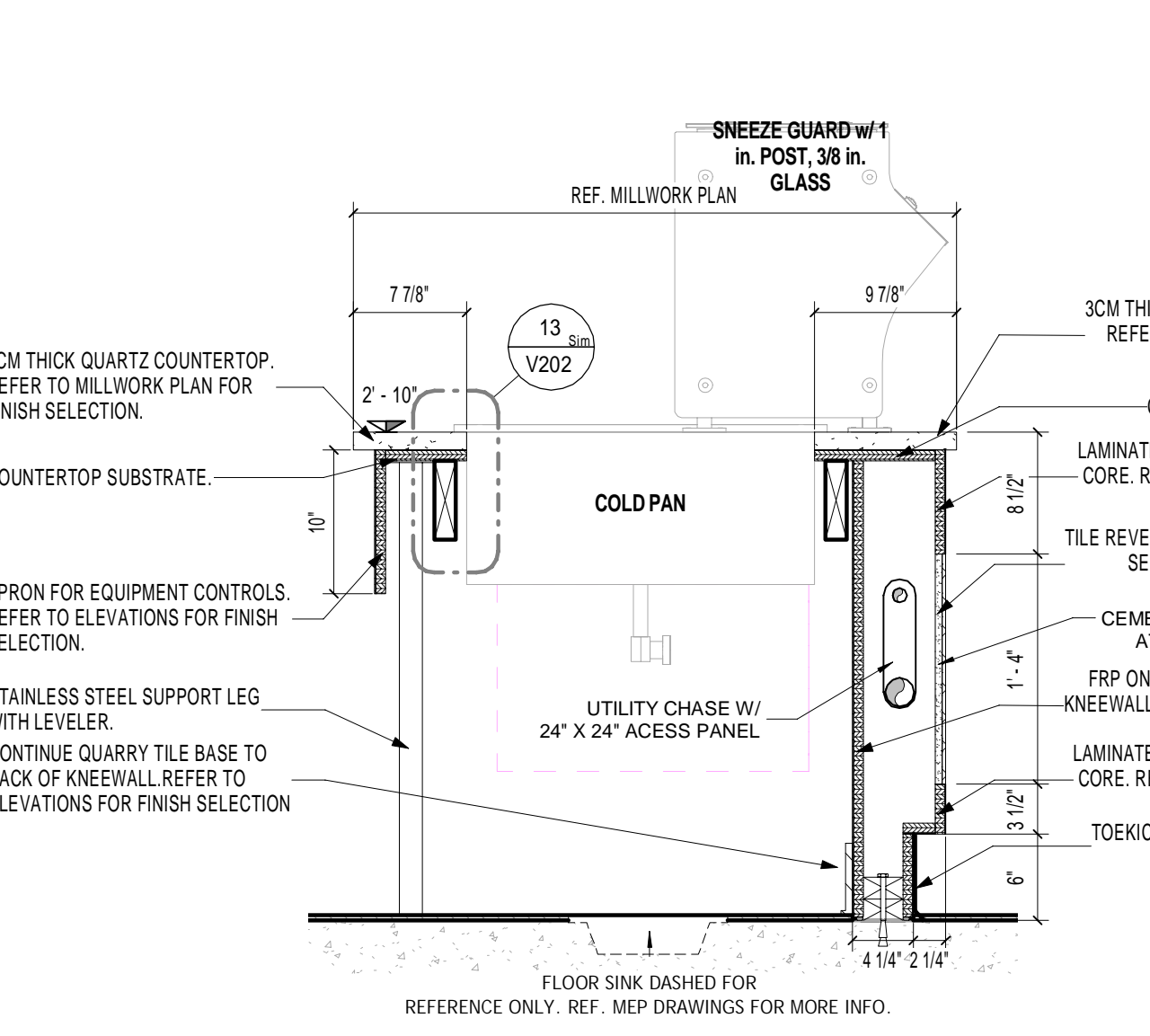
13 Drop In detail
 1 1/2" = 1'-0"



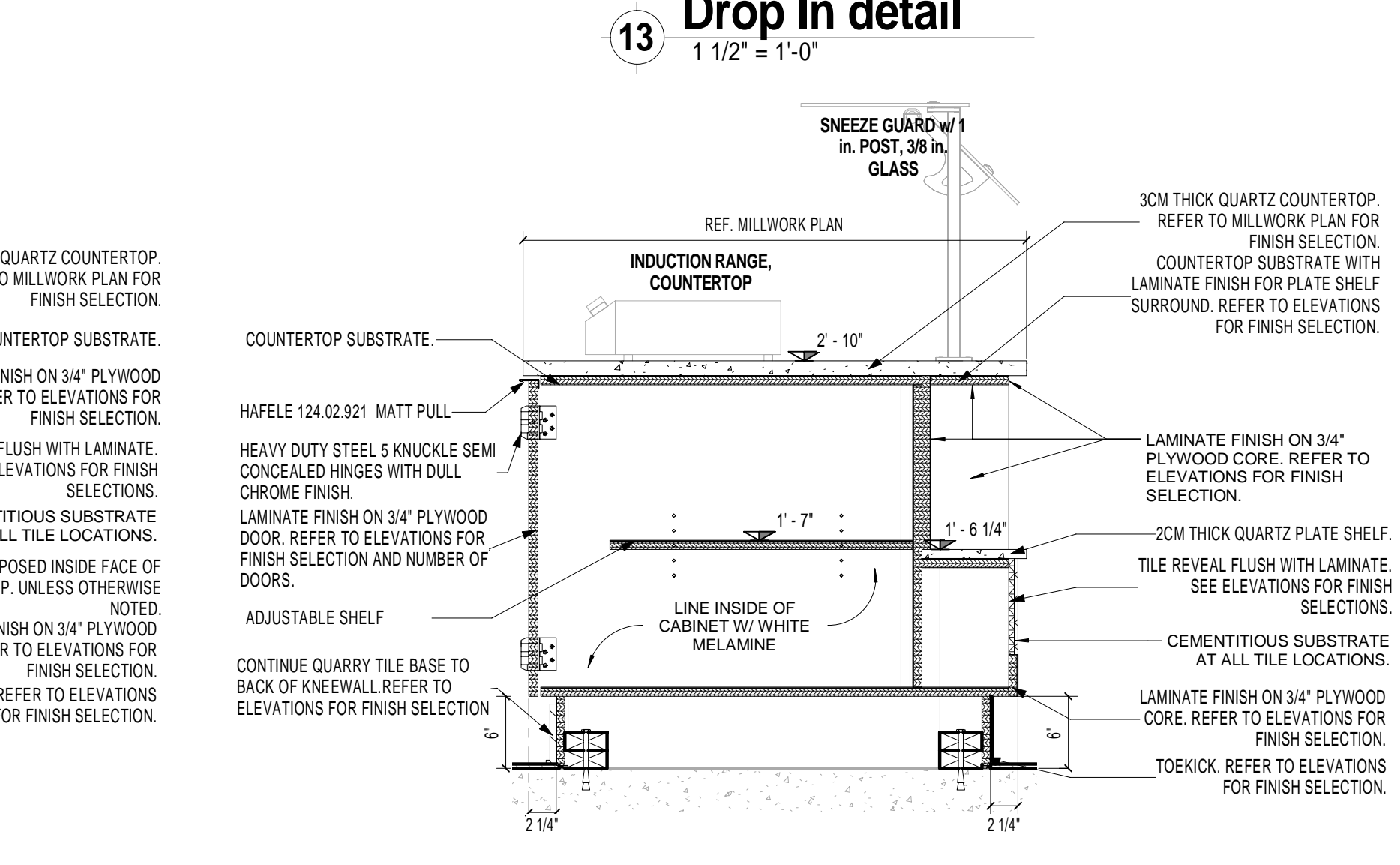
12 SECT @ DELI PLATE SHELF
 1" = 1'-0"



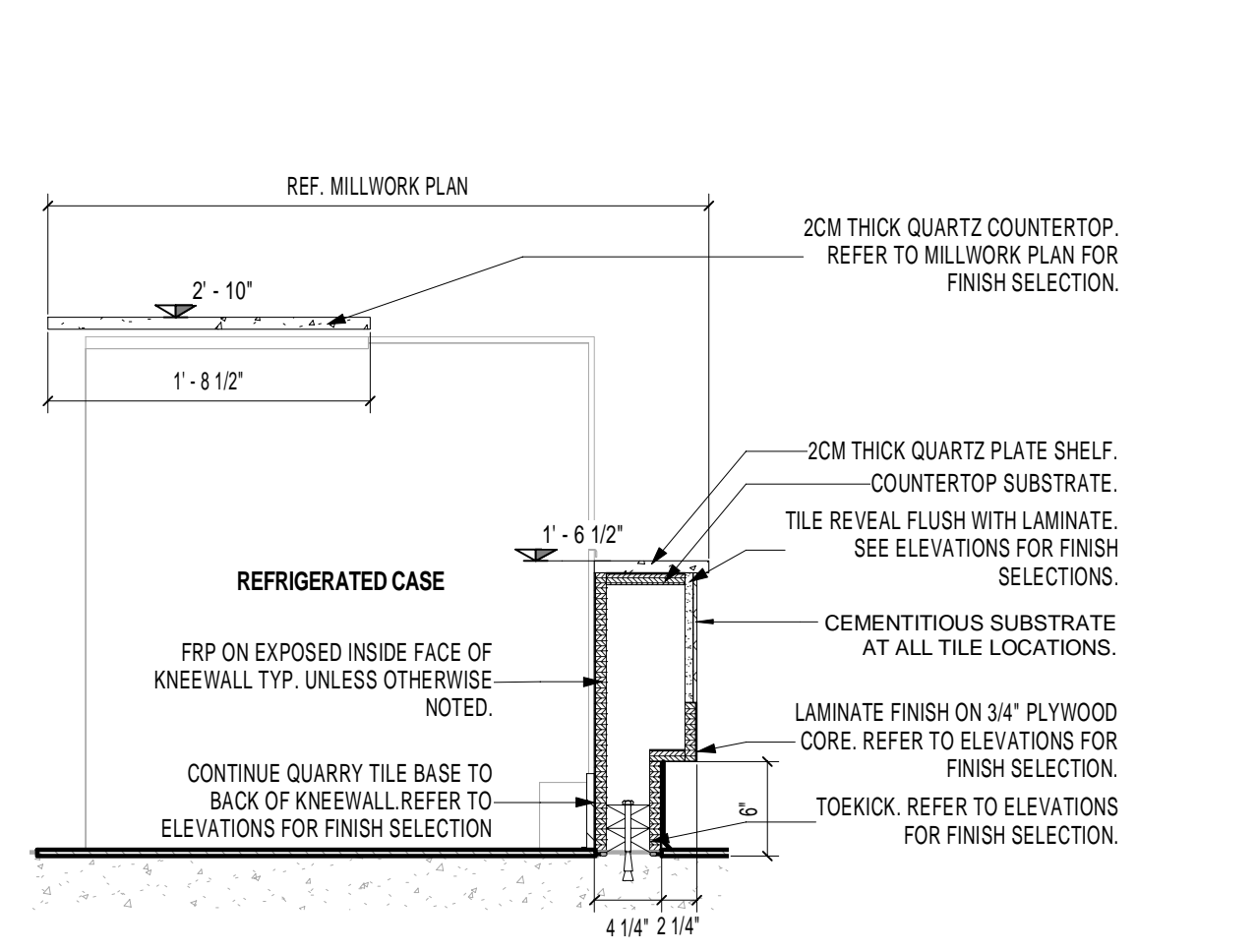
11 SECT @ DELI PREP
 1" = 1'-0"



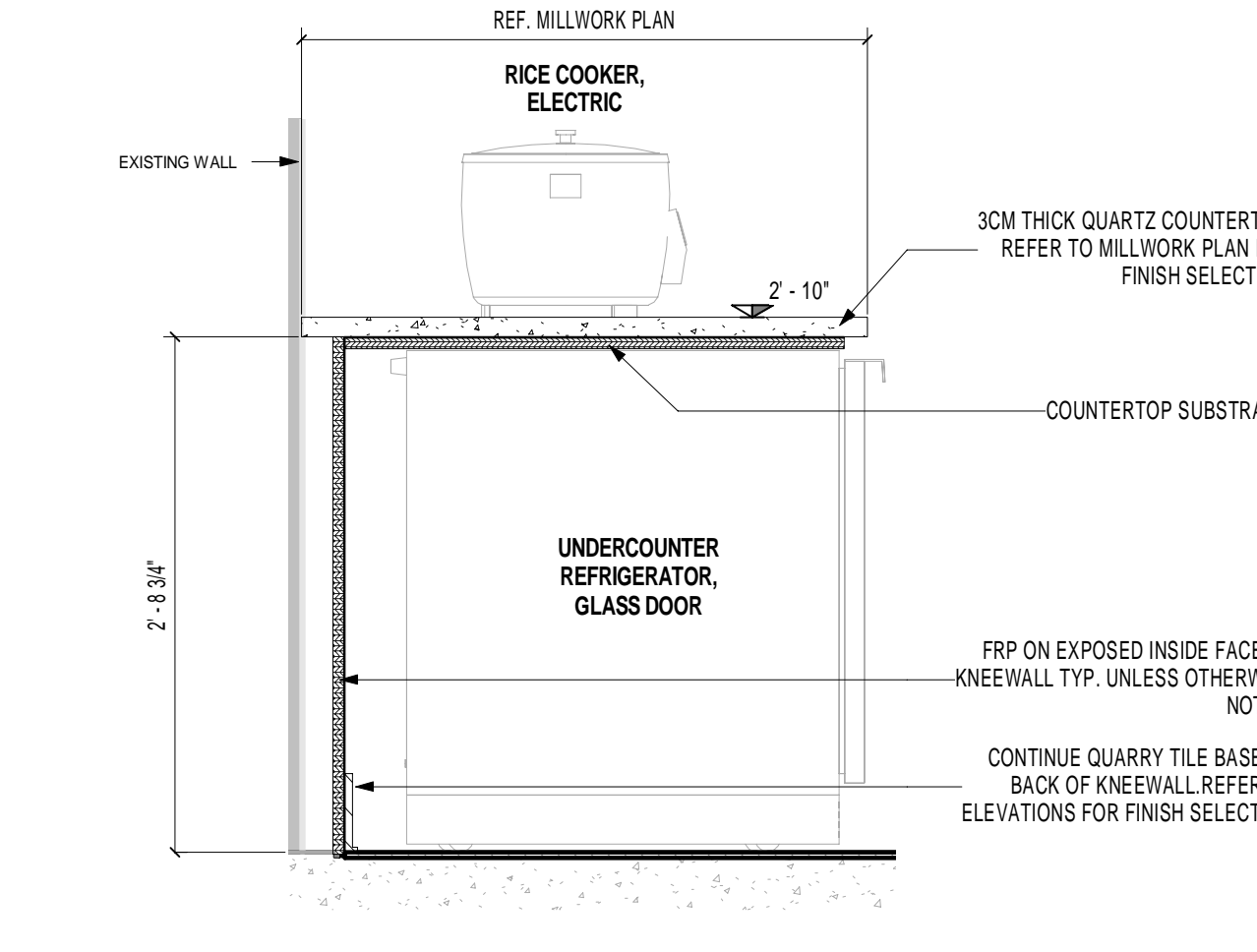
10 SECT @ ASIAN SUSHI DROP IN
 1" = 1'-0"



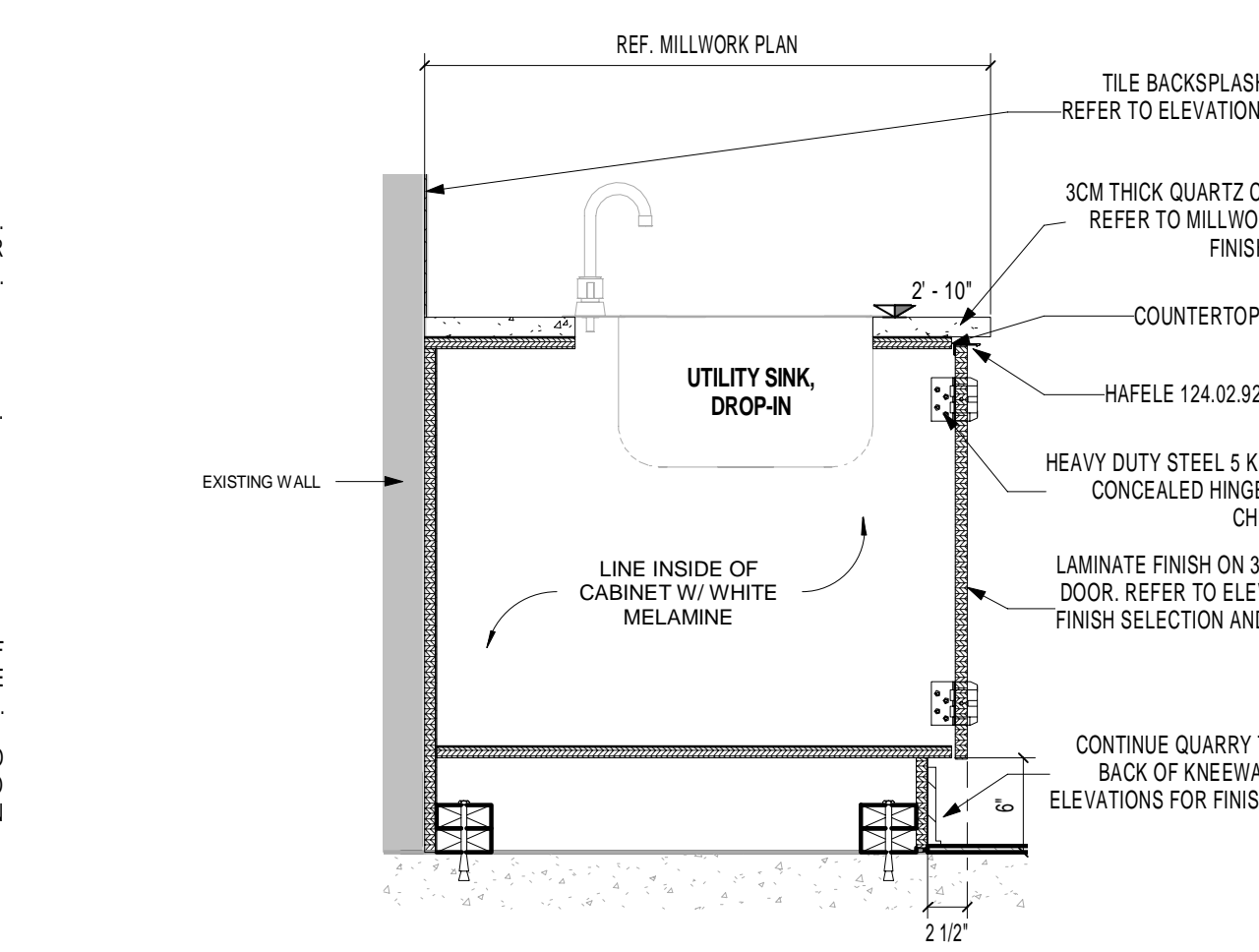
9 SECT @ ASIAN SUSHI INDUCTION
 1" = 1'-0"



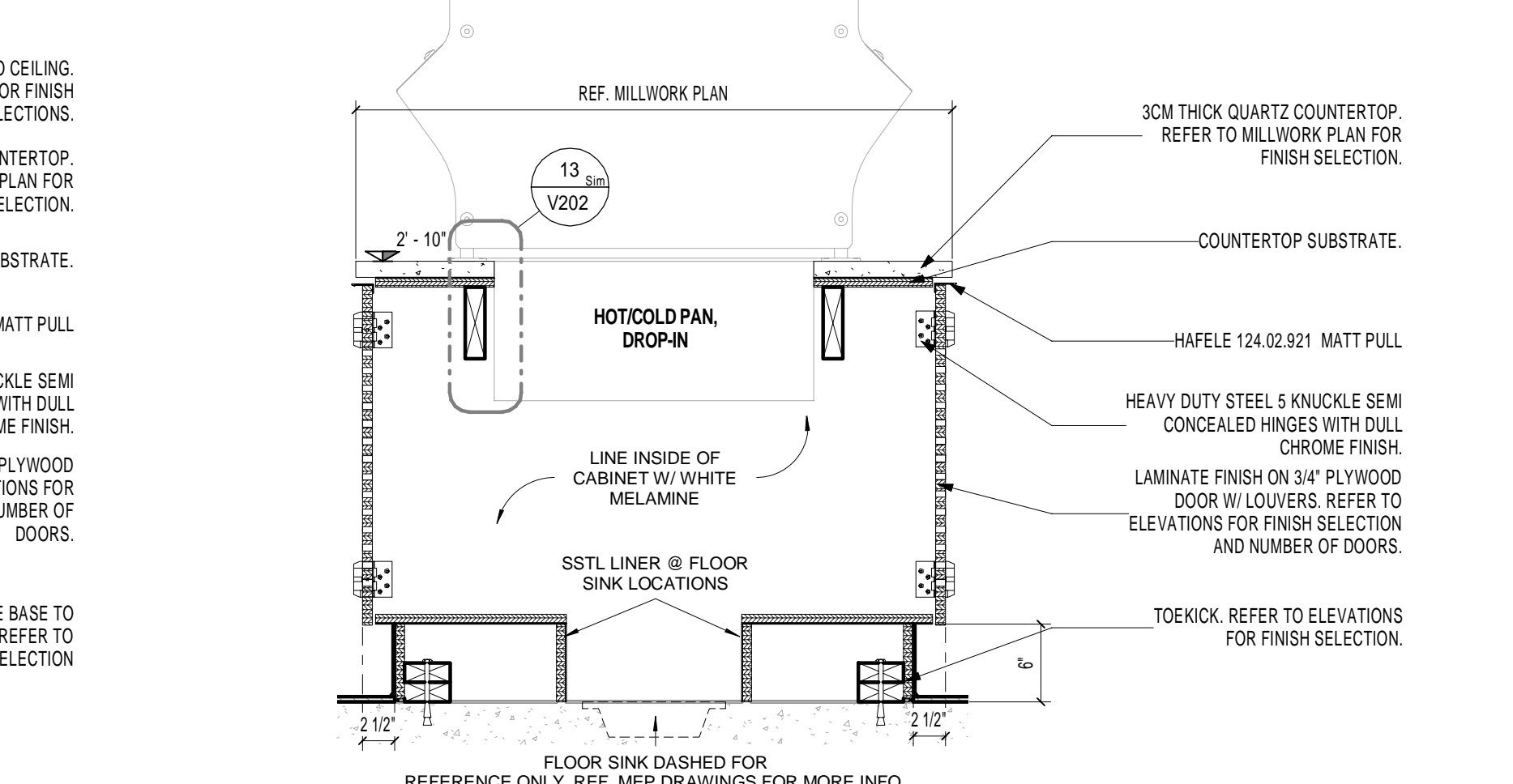
8 SECT @ ASIAN SUSHI U/C COOLER
 1" = 1'-0"



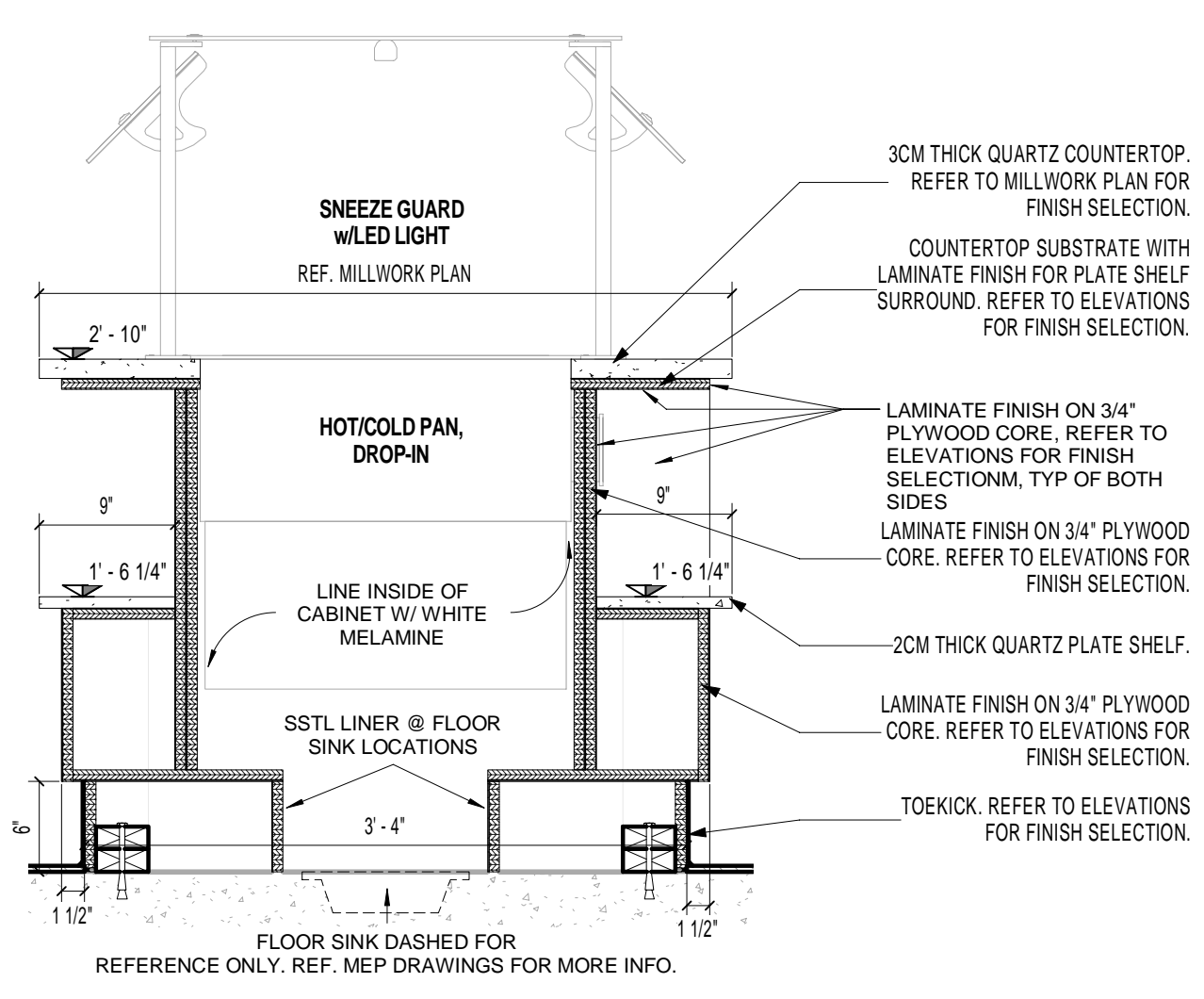
7 SECT @ ASIAN SUSHI U/C REF.
 1" = 1'-0"



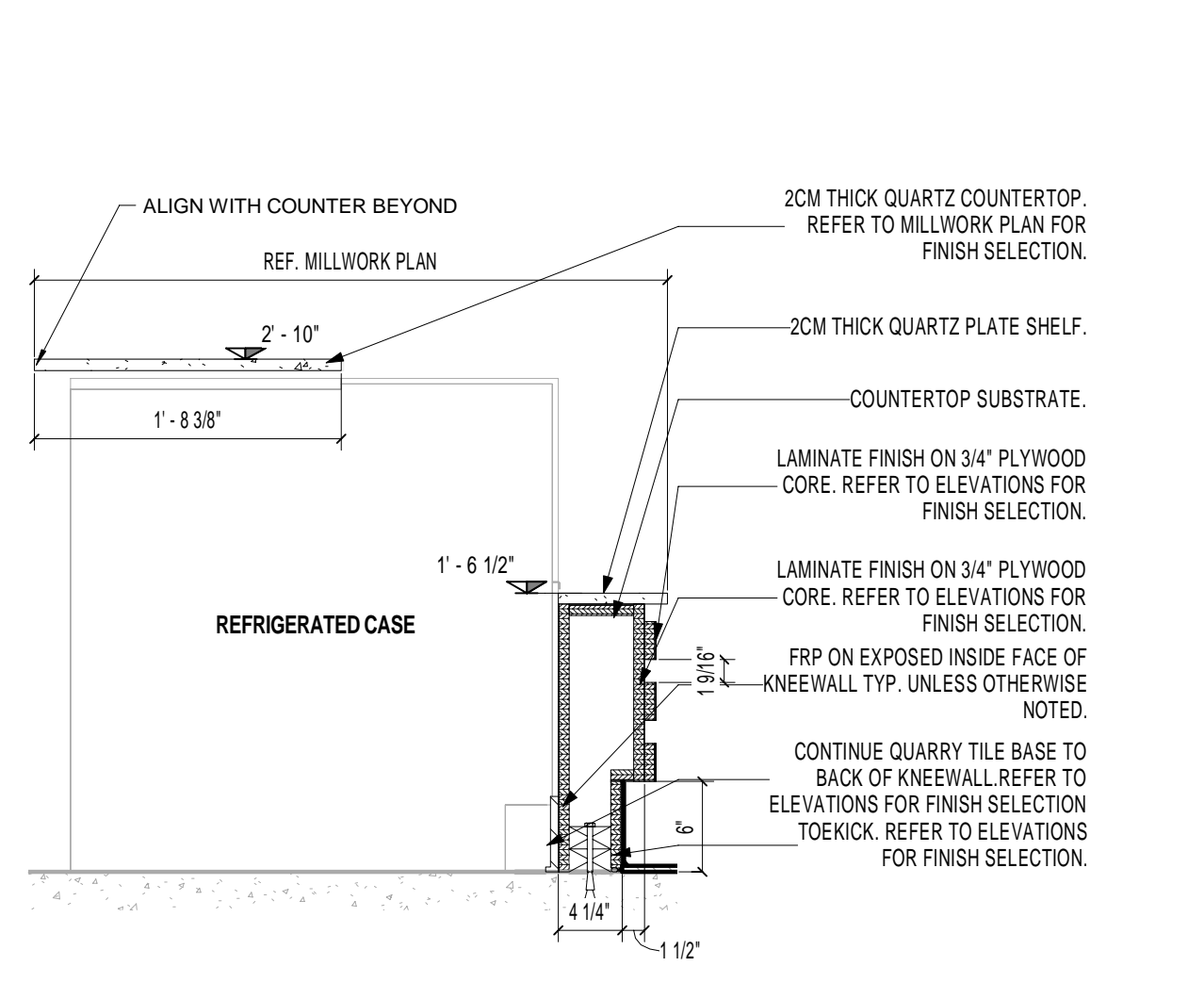
6 SECT @ ASIAN SUSHI SINK
 1" = 1'-0"



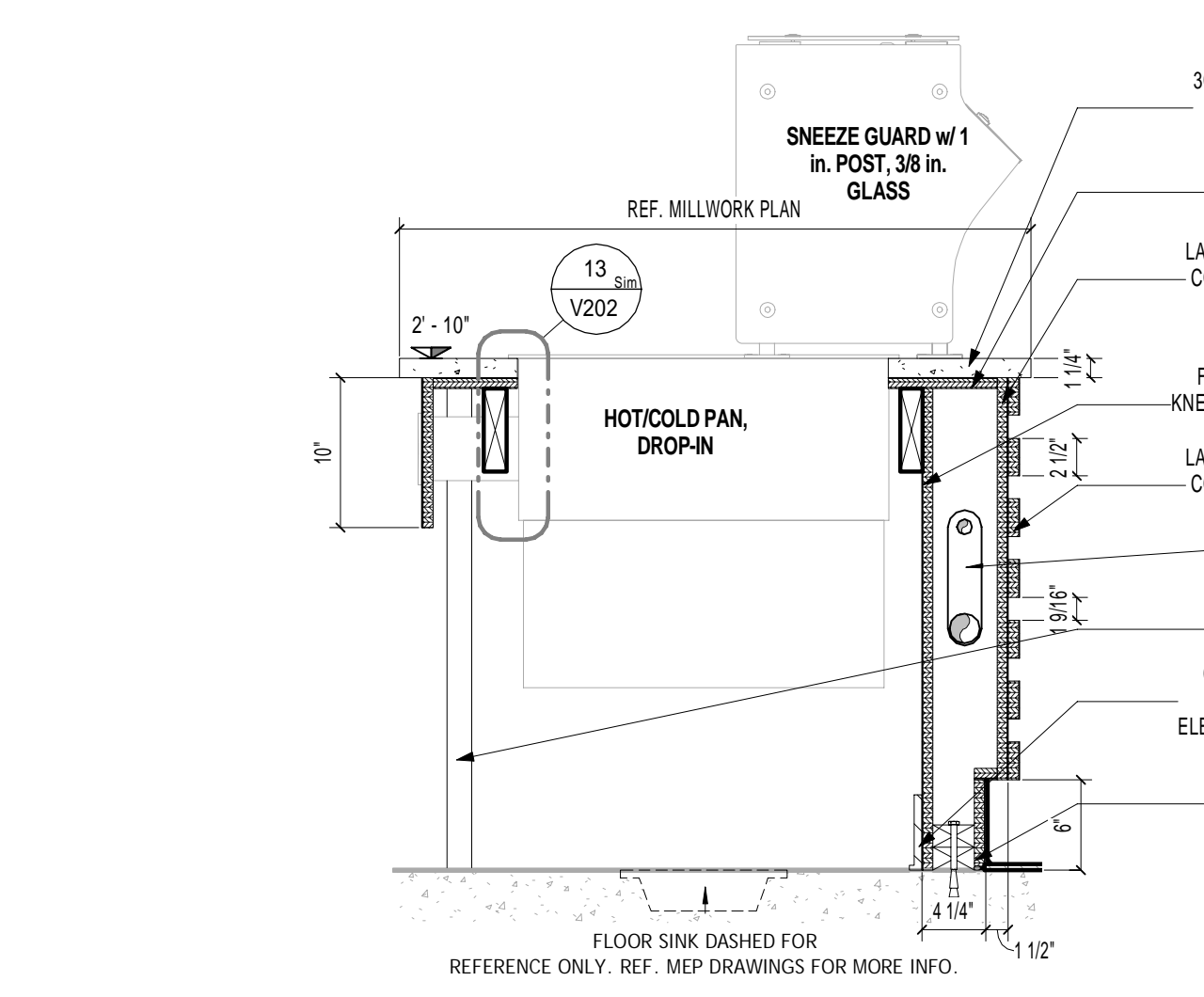
5 SECT @ SALAD / HOT BAR
 1" = 1'-0"



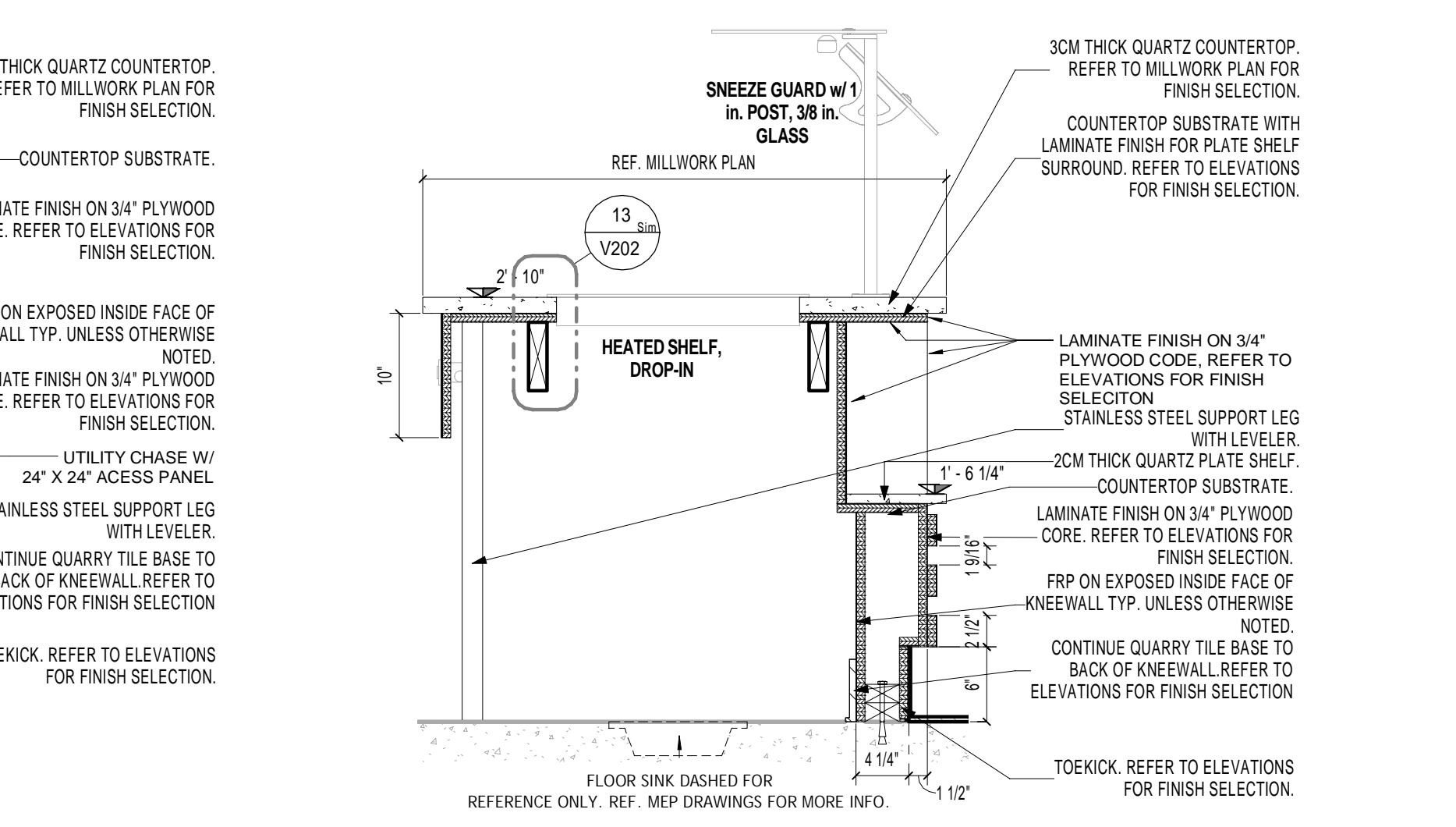
4 SECT @ SALAD / HOT BAR PLATE SHELF
 1" = 1'-0"



3 SECT @ THE KITCHEN U/C COOLER
 1" = 1'-0"



2 SECT @ THE KITCHEN DROP IN
 1" = 1'-0"



1 SECT @ THE KITCHEN PLATE SHELF
 1" = 1'-0"

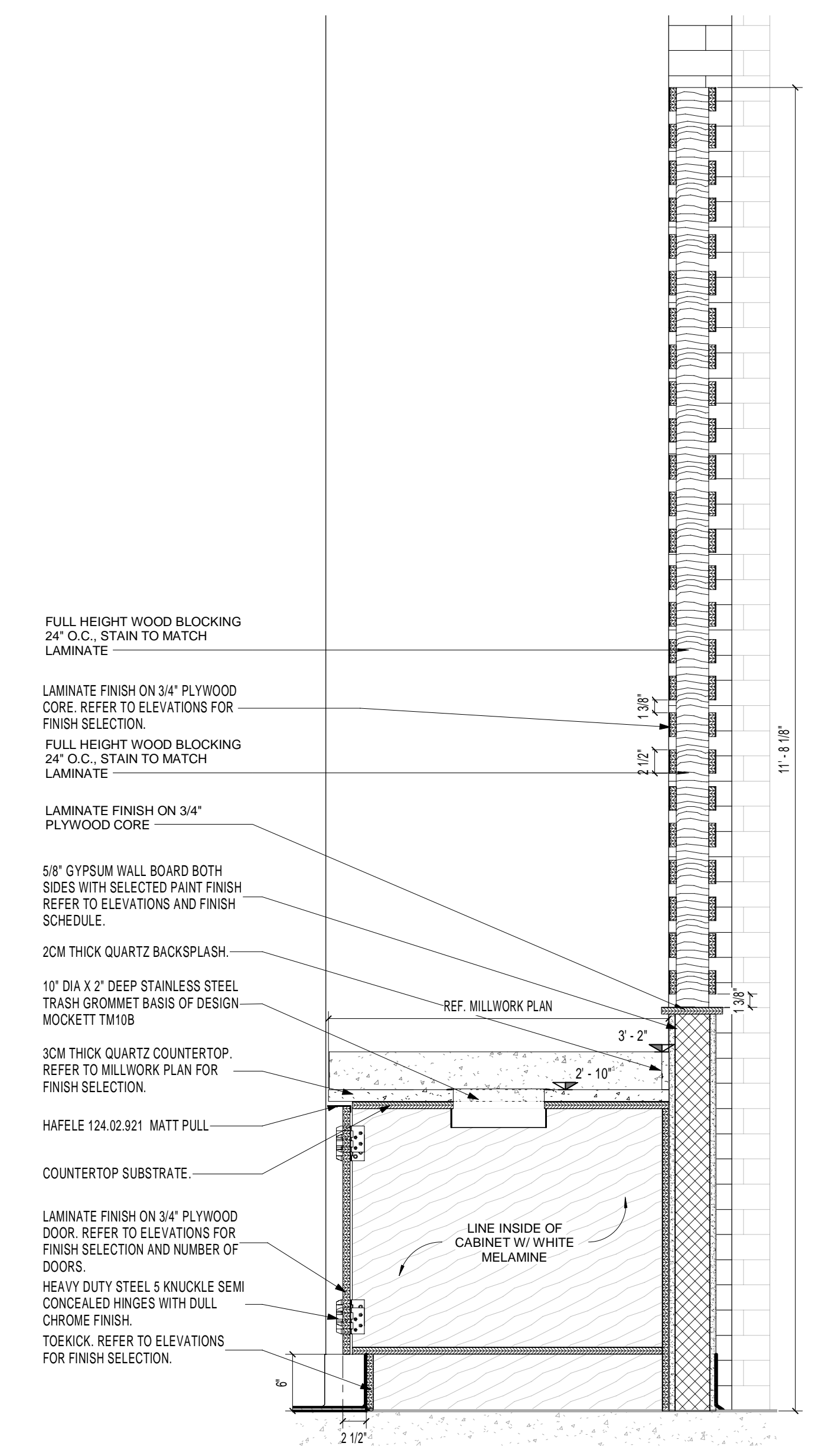
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SUNY PURCHASE COLLEGE
 CAFE RENOVATION
 735 ANDERSON HILL RD
 PURCHASE, NY 10577

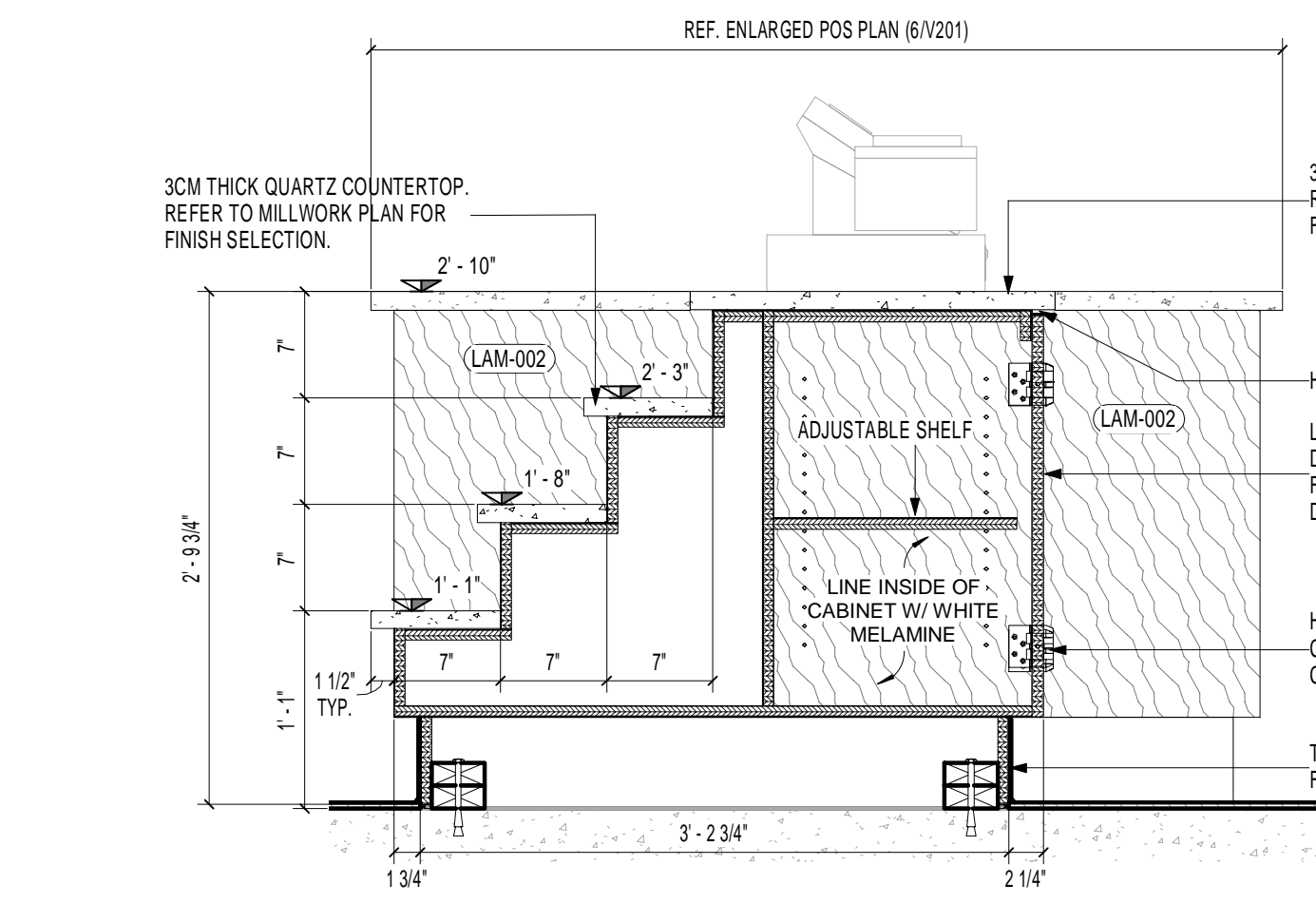
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NO.	DATE	REVISIONS	DESCRIPTION

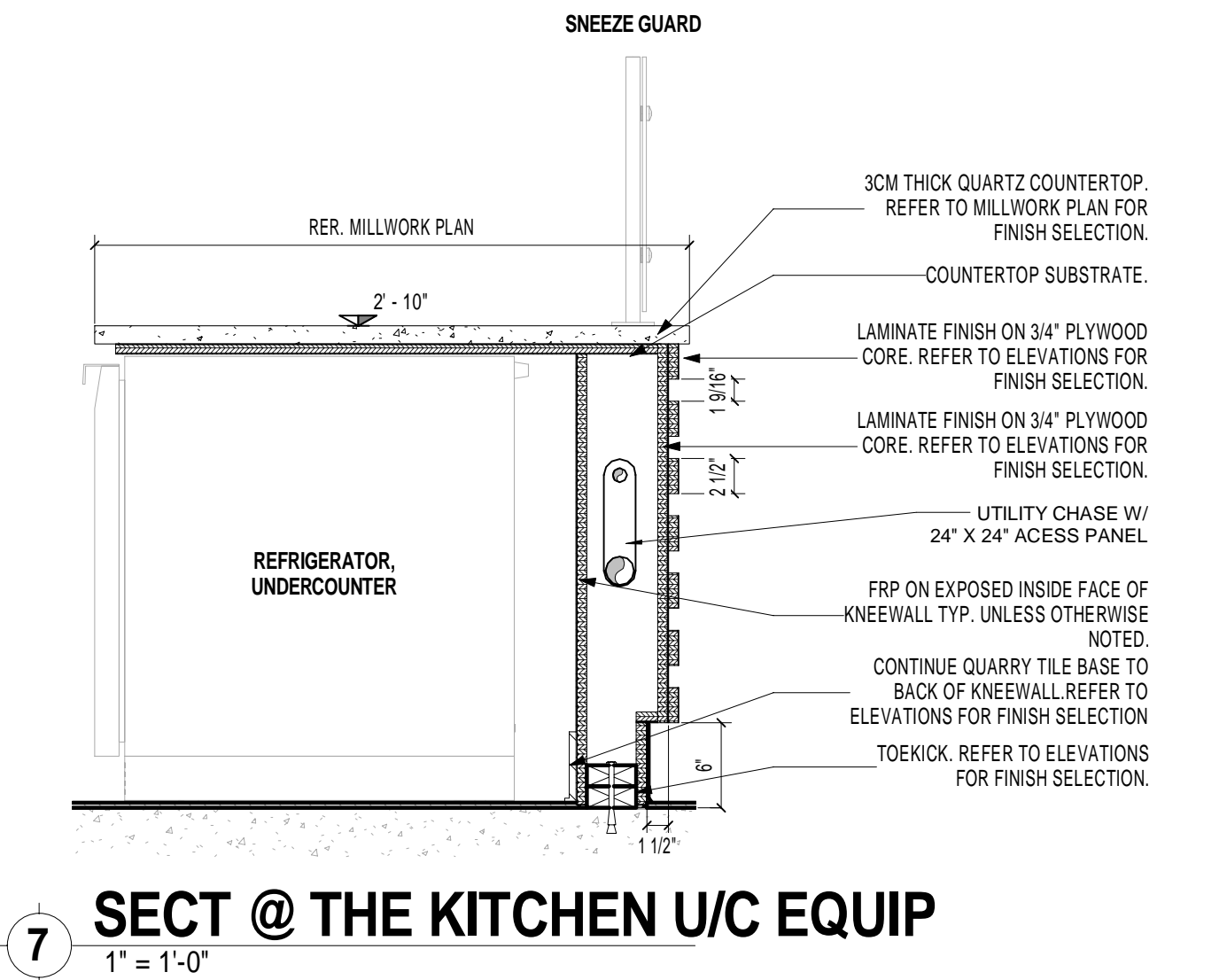
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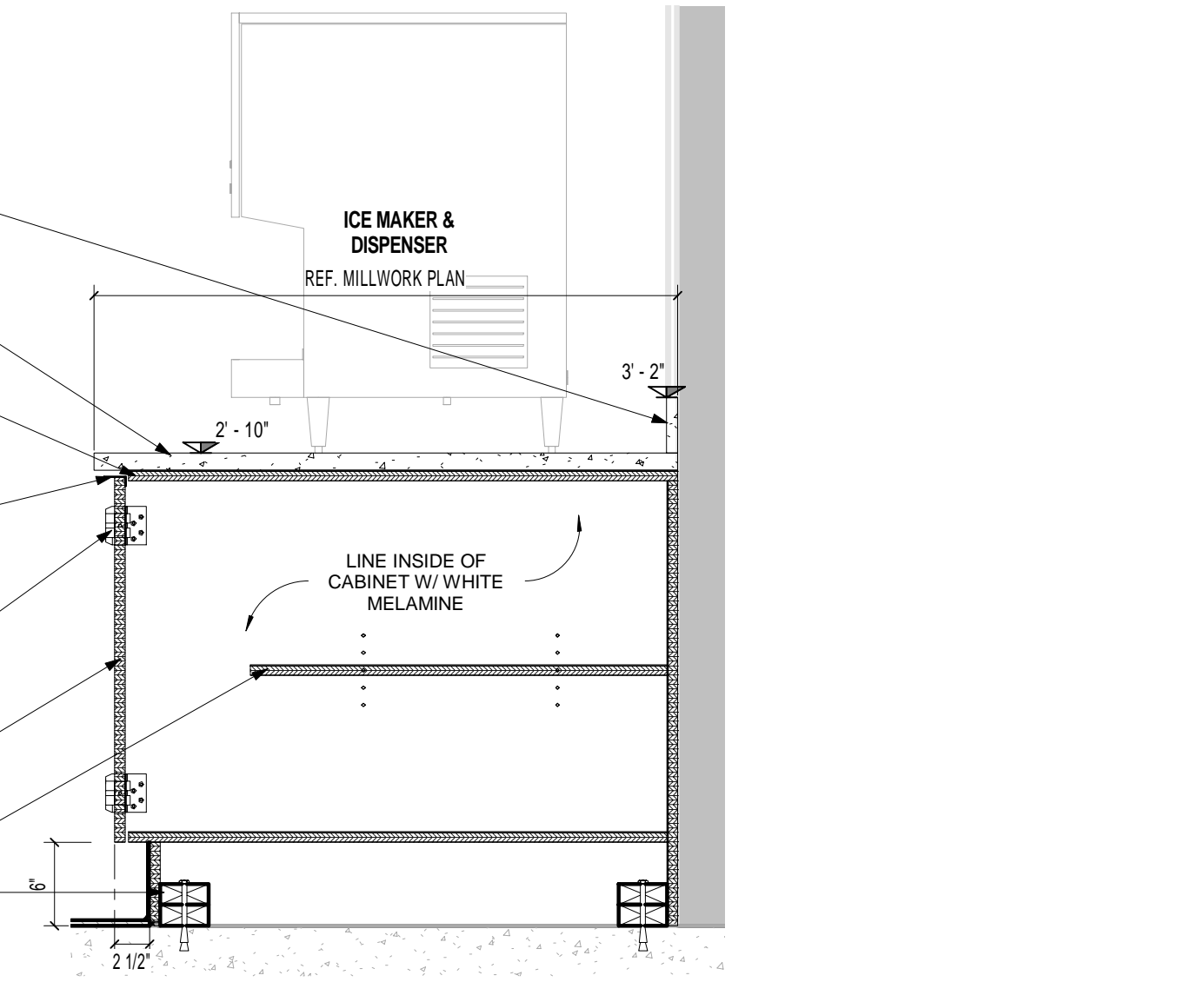
4 SECTION @ BEVERAGE & FEATURE WALL
 1" = 1'-0"



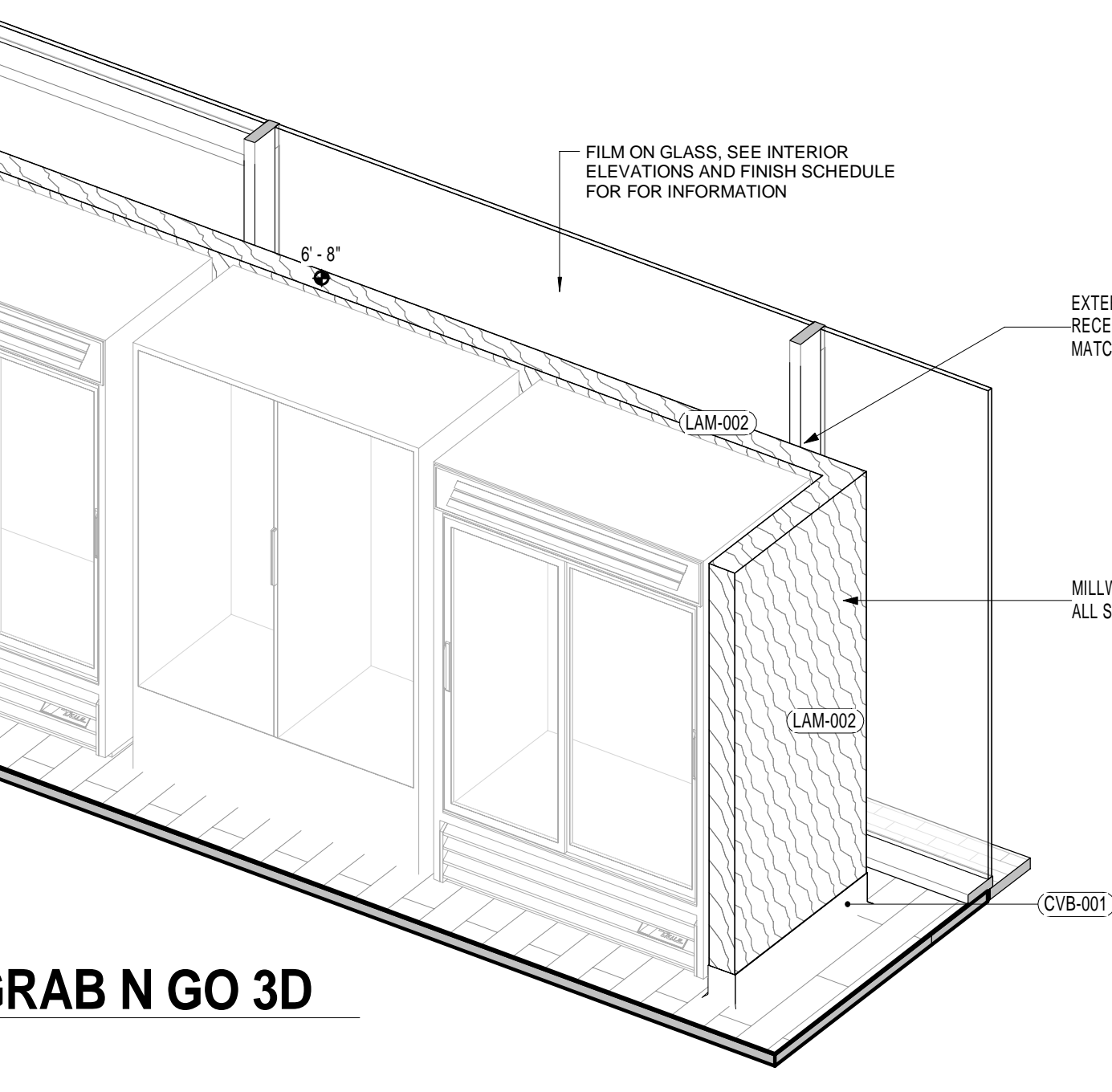
1 SECTION @ POS
 1" = 1'-0"



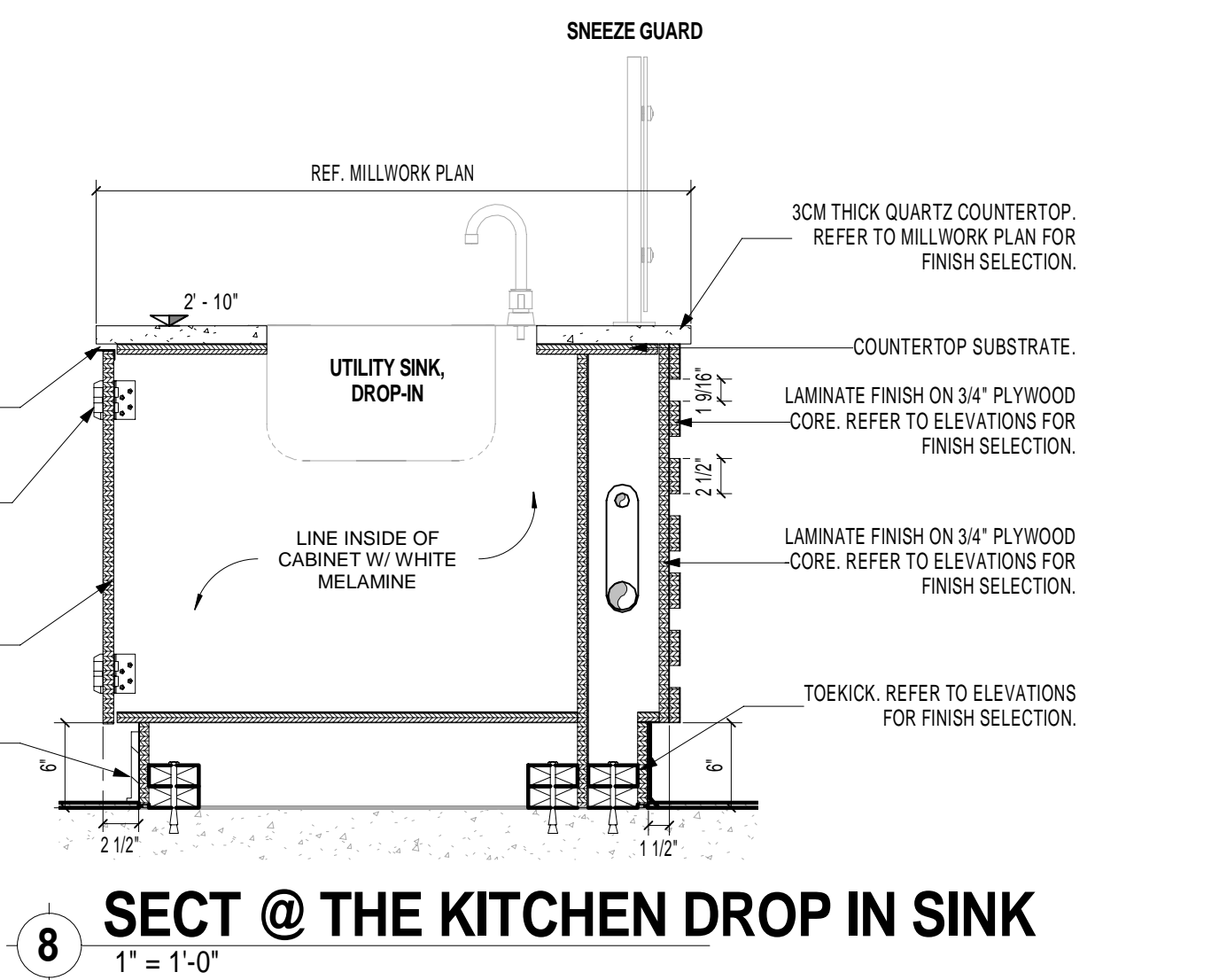
7 SECTION @ THE KITCHEN U/C EQUIP
 1" = 1'-0"



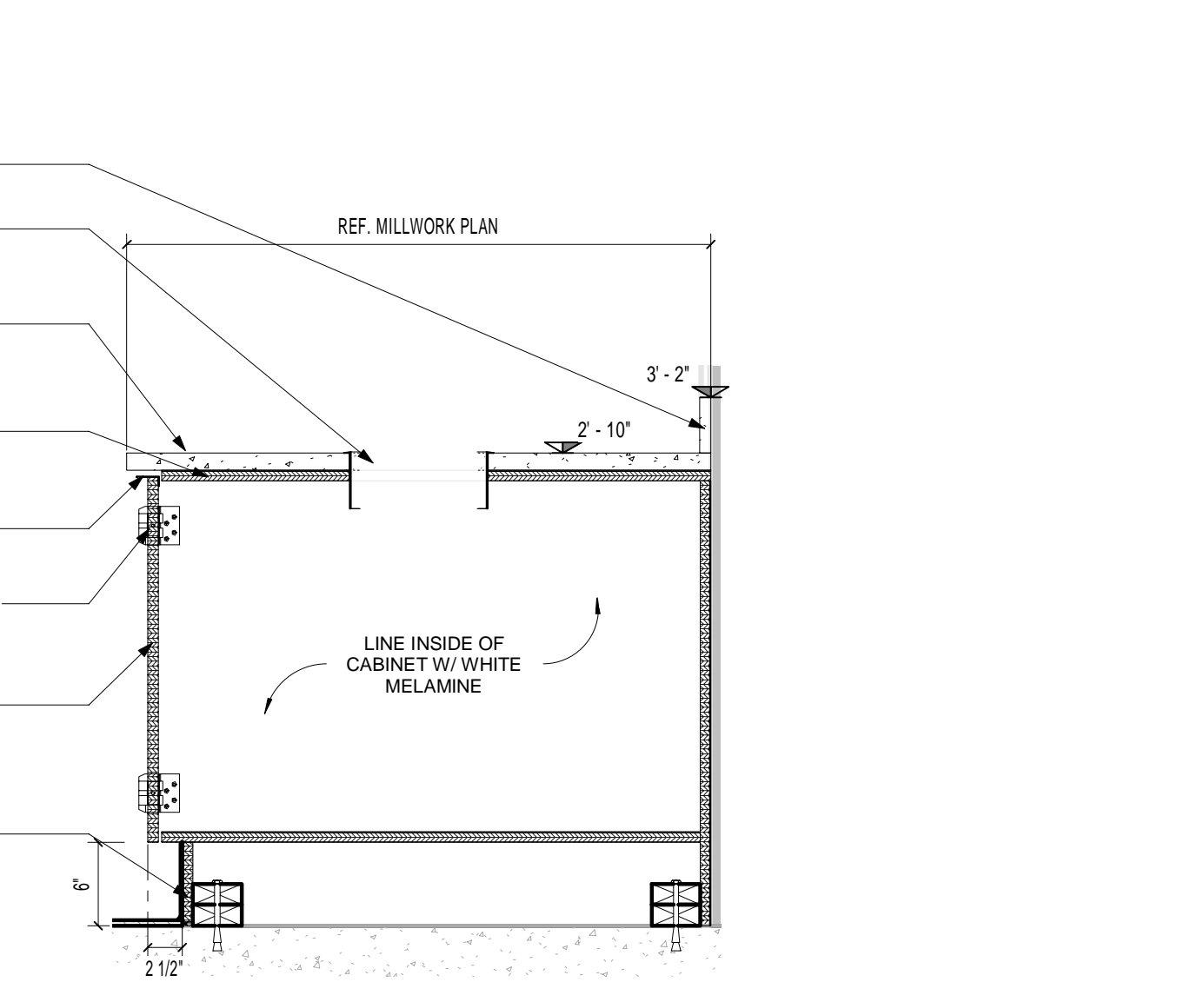
5 SECTION @ BEVERAGE CABINET
 1" = 1'-0"



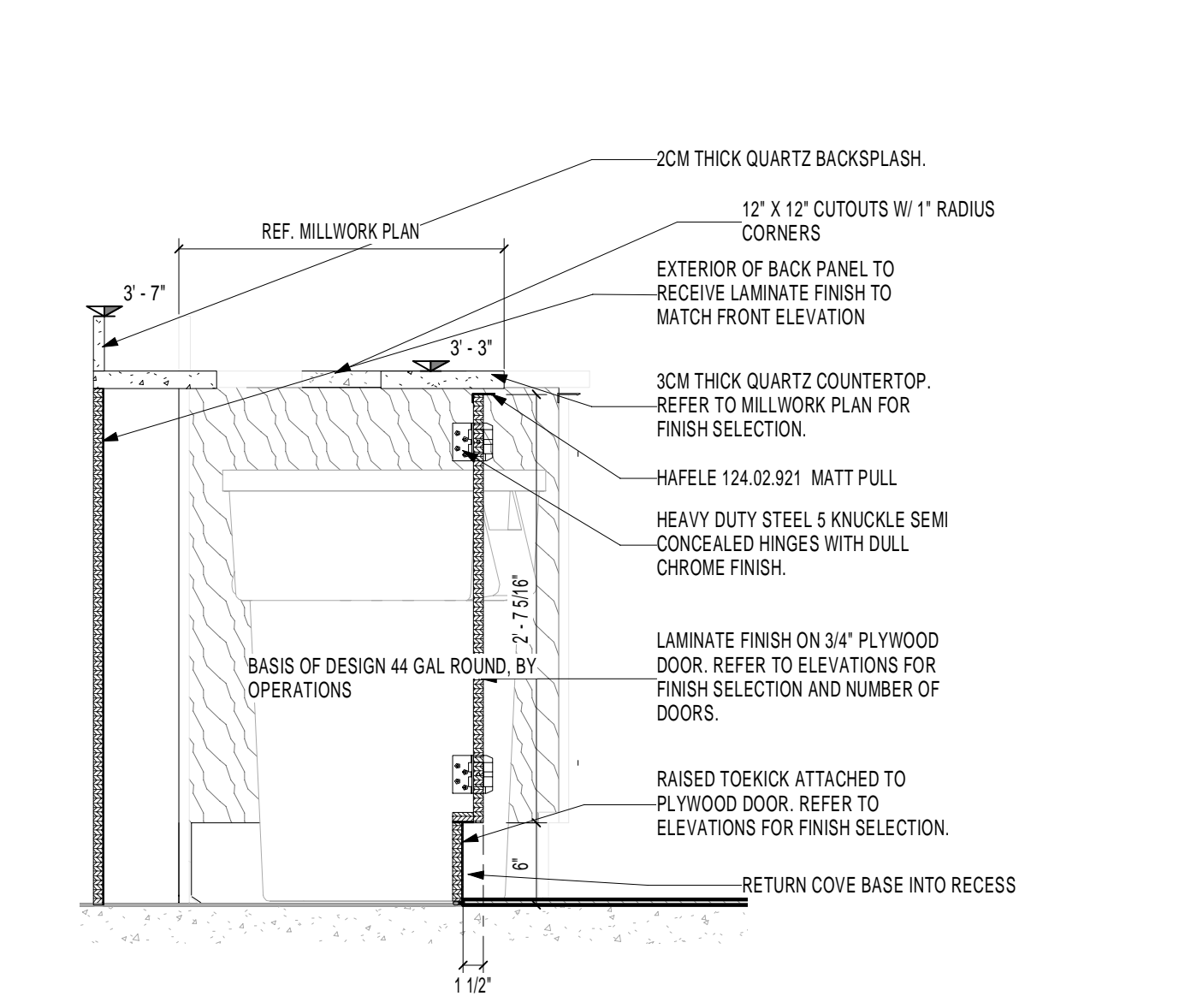
2 GRAB N GO 3D



8 SECTION @ THE KITCHEN DROP IN SINK
 1" = 1'-0"



6 SECTION @ BEVERAGE TRASH CUTOUT
 1" = 1'-0"



3 SECTION @ TRASH / RECYCLING
 1" = 1'-0"

SUNY PURCHASE COLLEGE

CAFE RENOVATION

735 ANDERSON HILL RD
 PURCHASE, NY 10577

PROJECT: **SUNY PURCHASE COLLEGE**

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 ISSUED DATE: July, 26 2019

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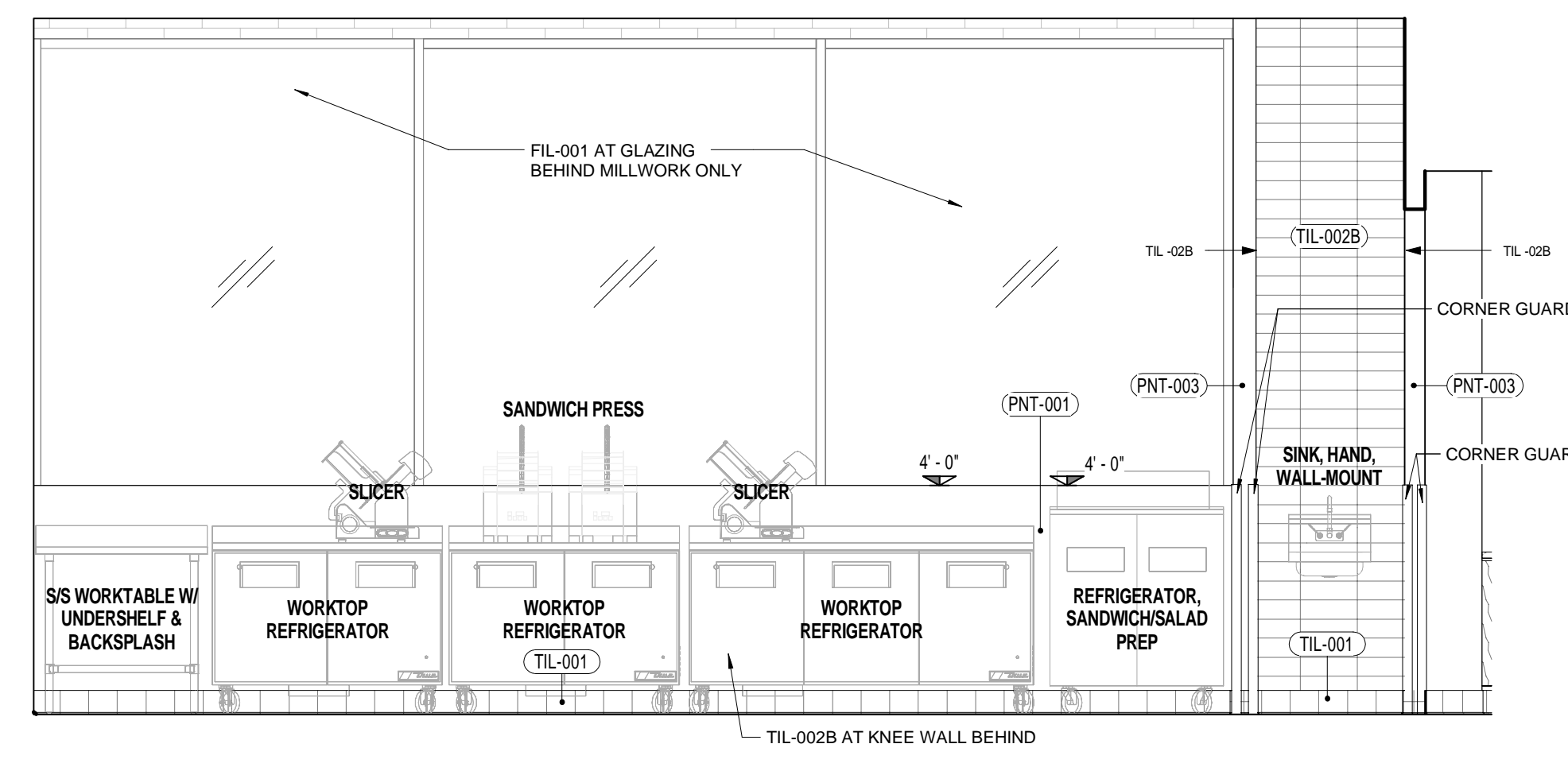
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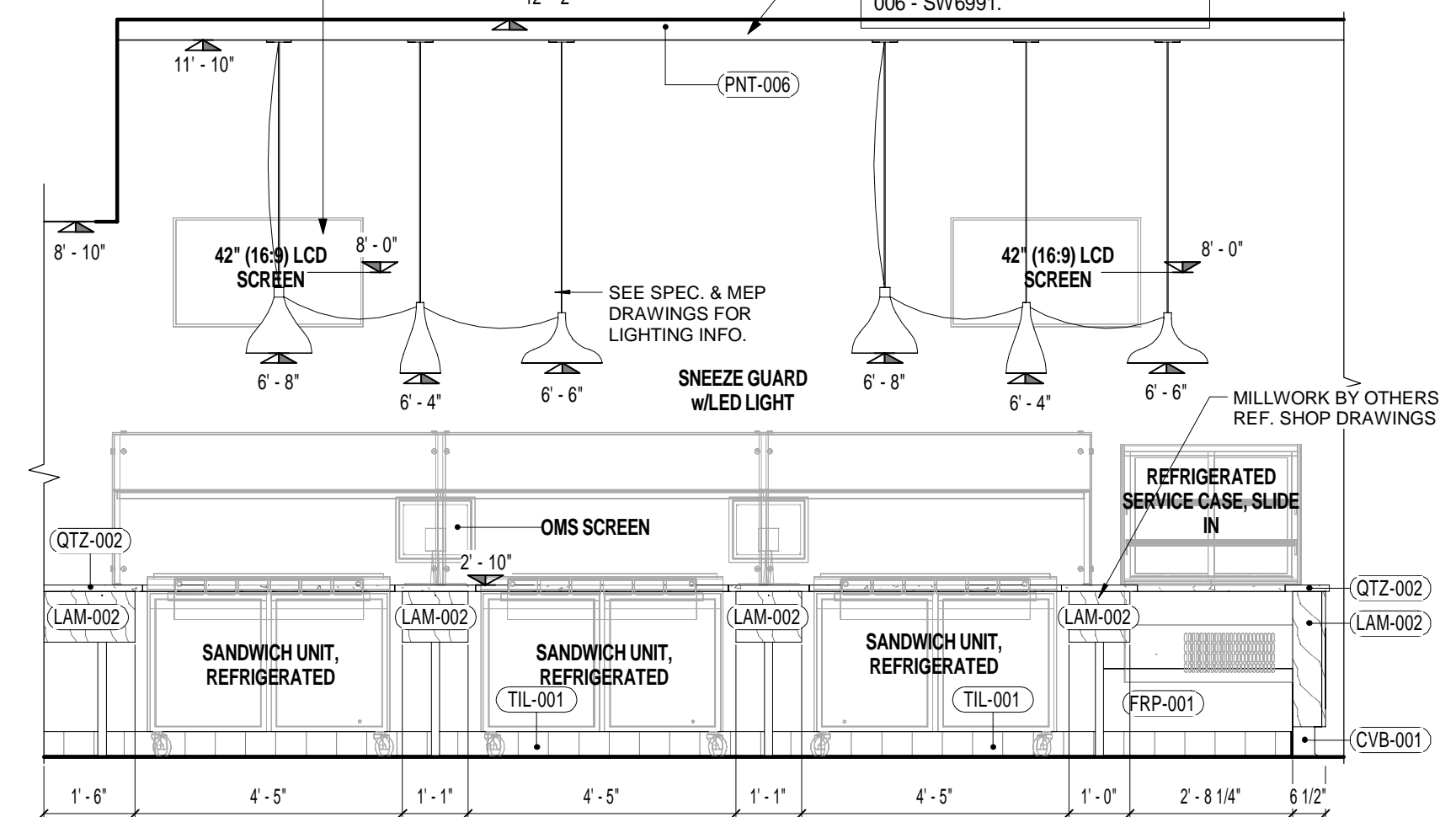
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INTERIOR ELEVATIONS I

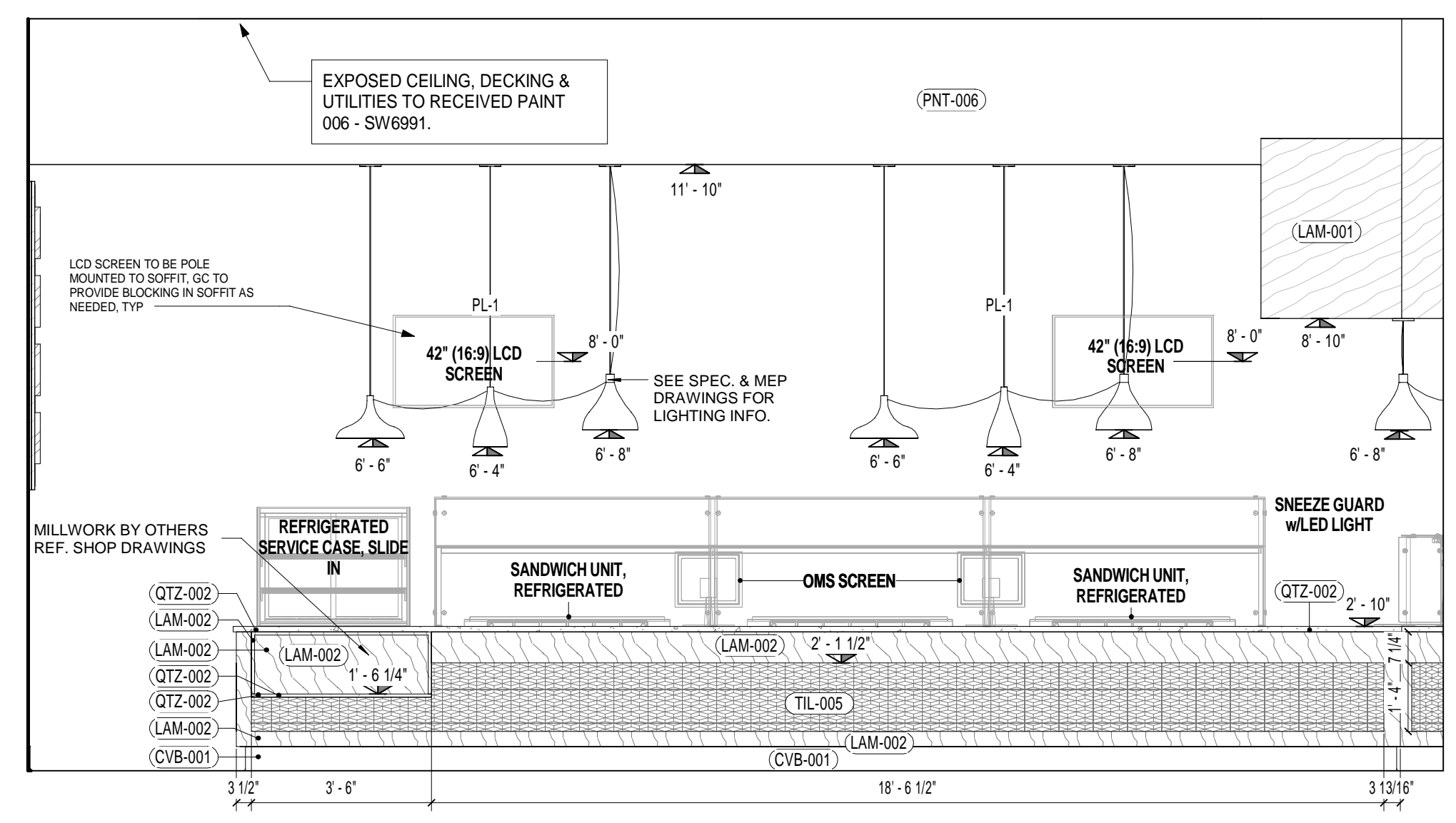
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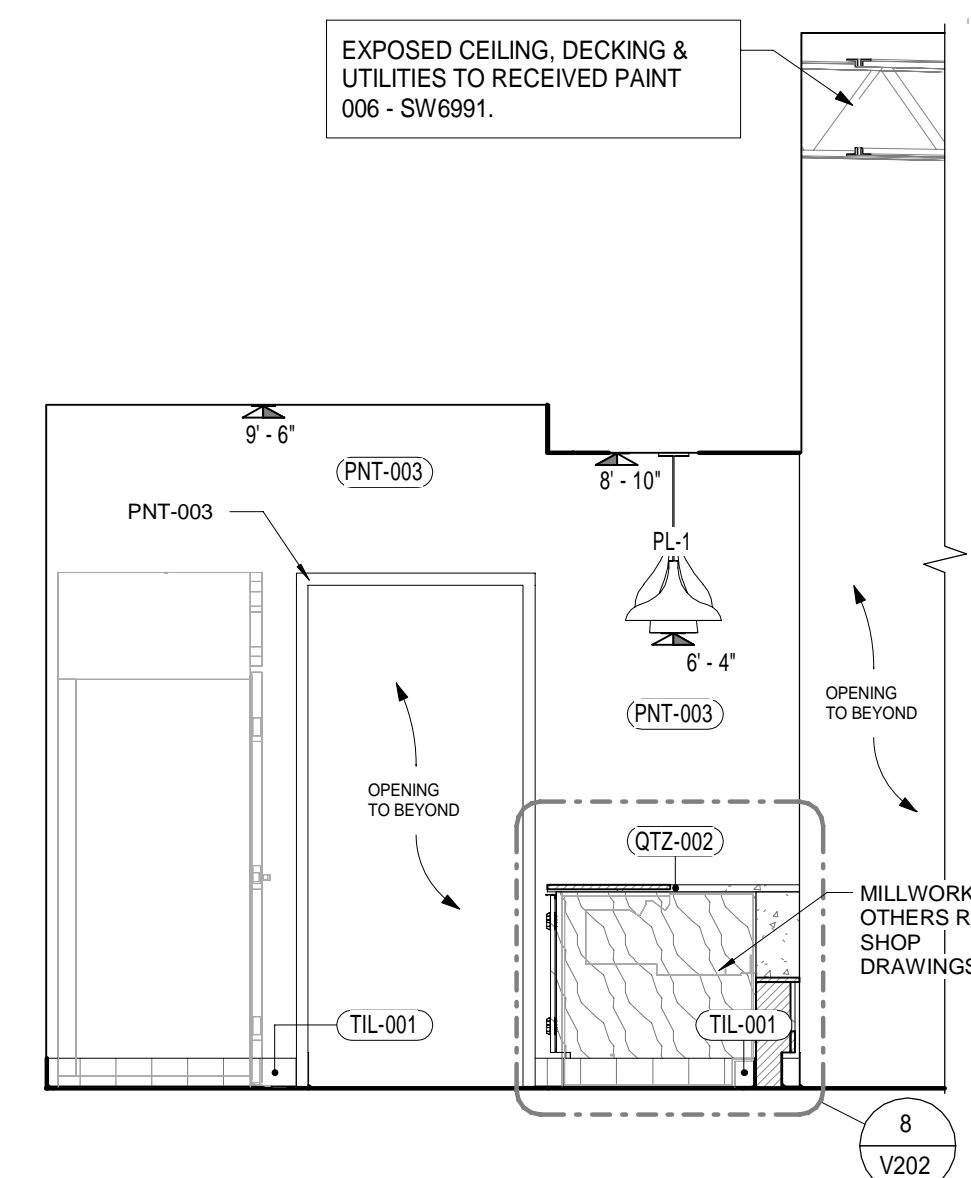
7 DELI BACK ELEVATION
 3/8" = 1'-0"



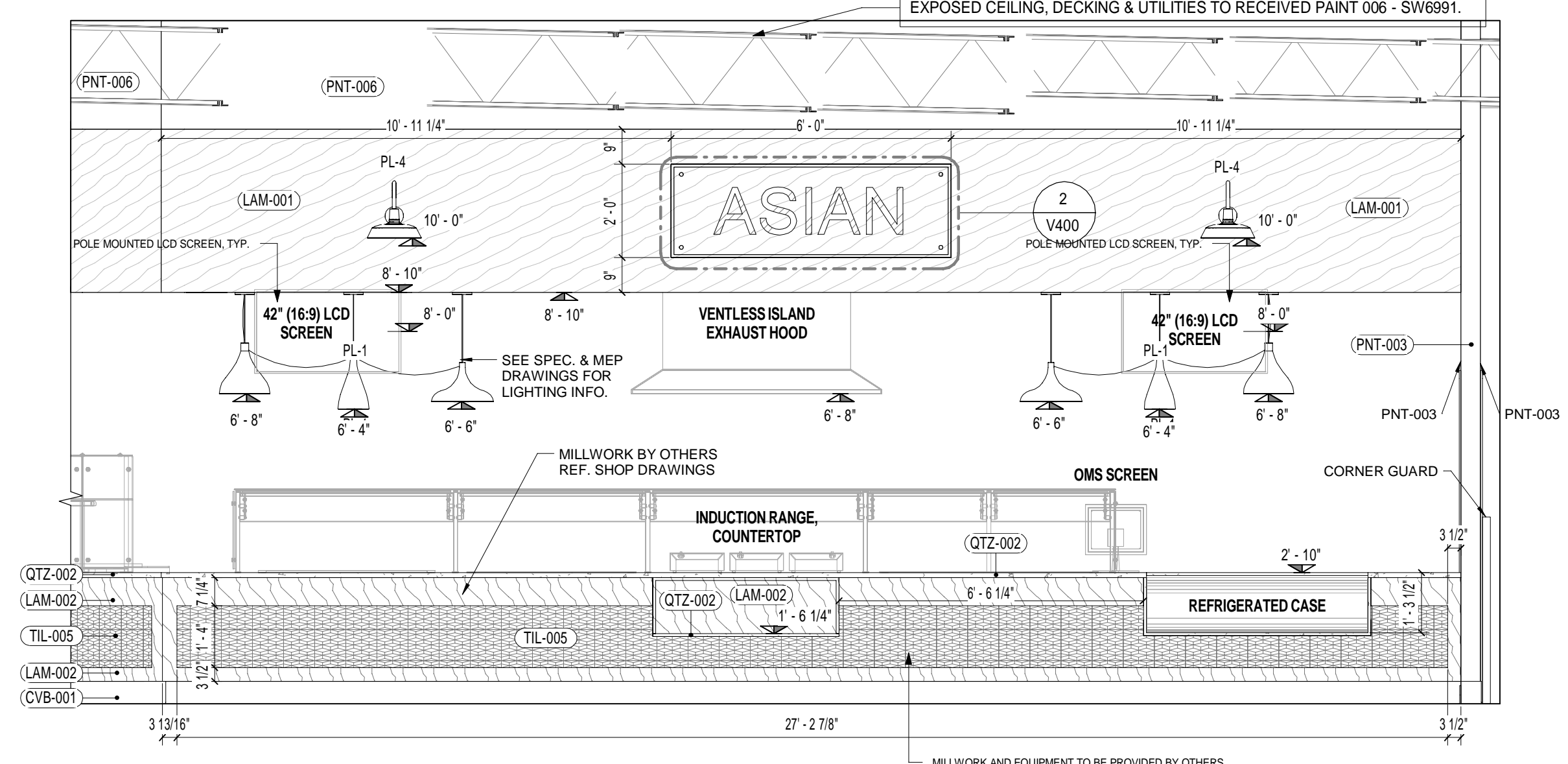
8 DELI FRONT INTERIOR ELEVATION
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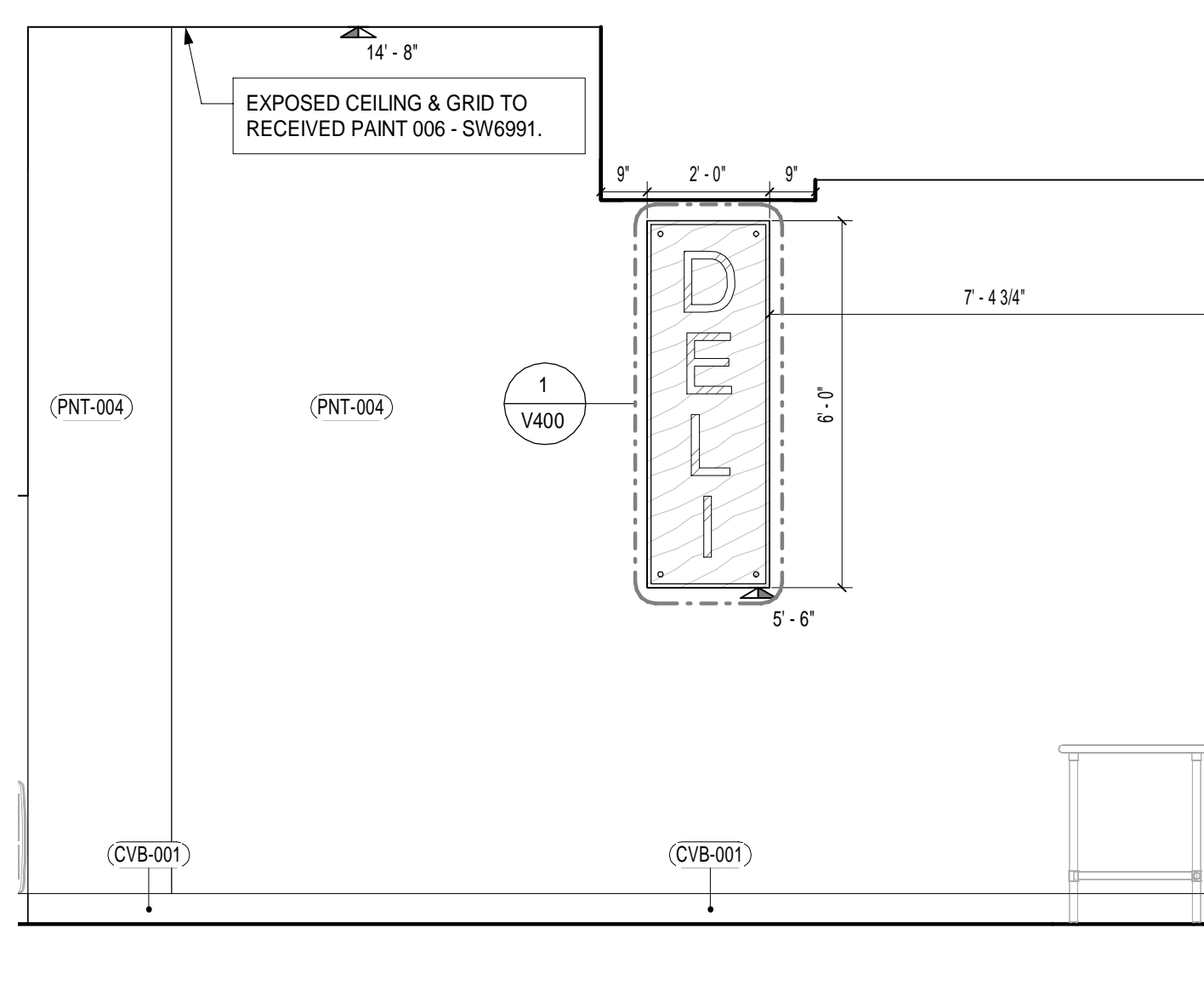
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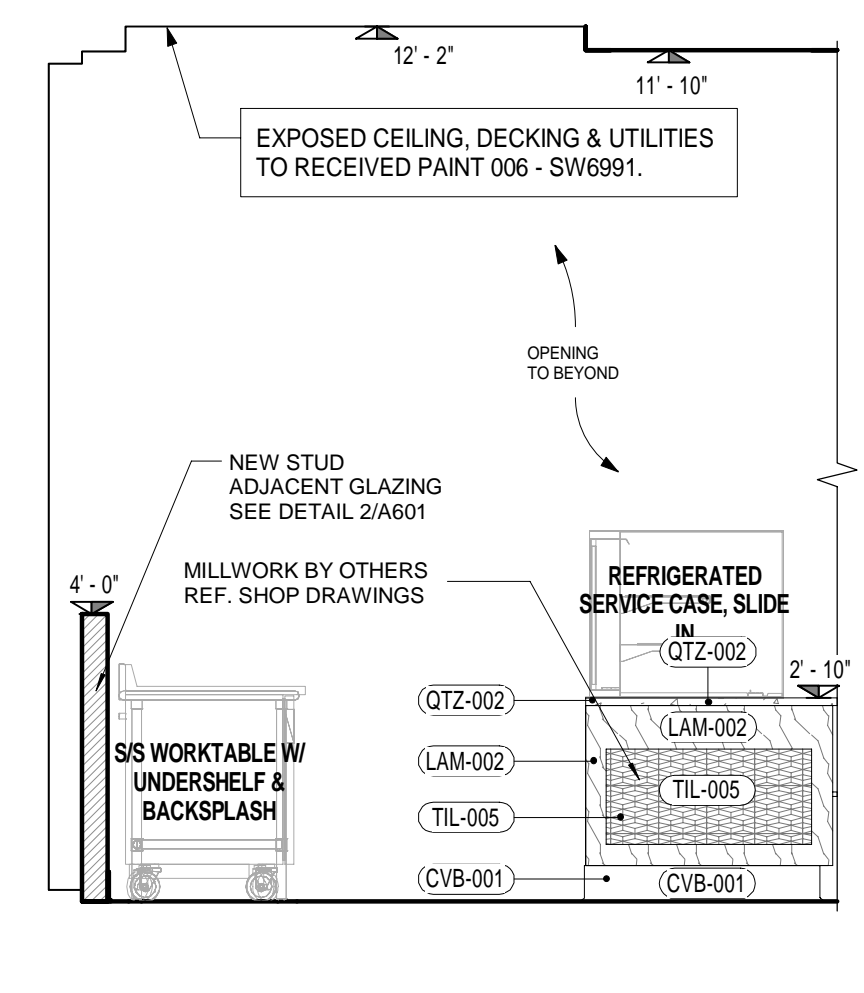
3 ASIAN/SUSHI SIDE INTERIOR ELEVATION
 3/8" = 1'-0"



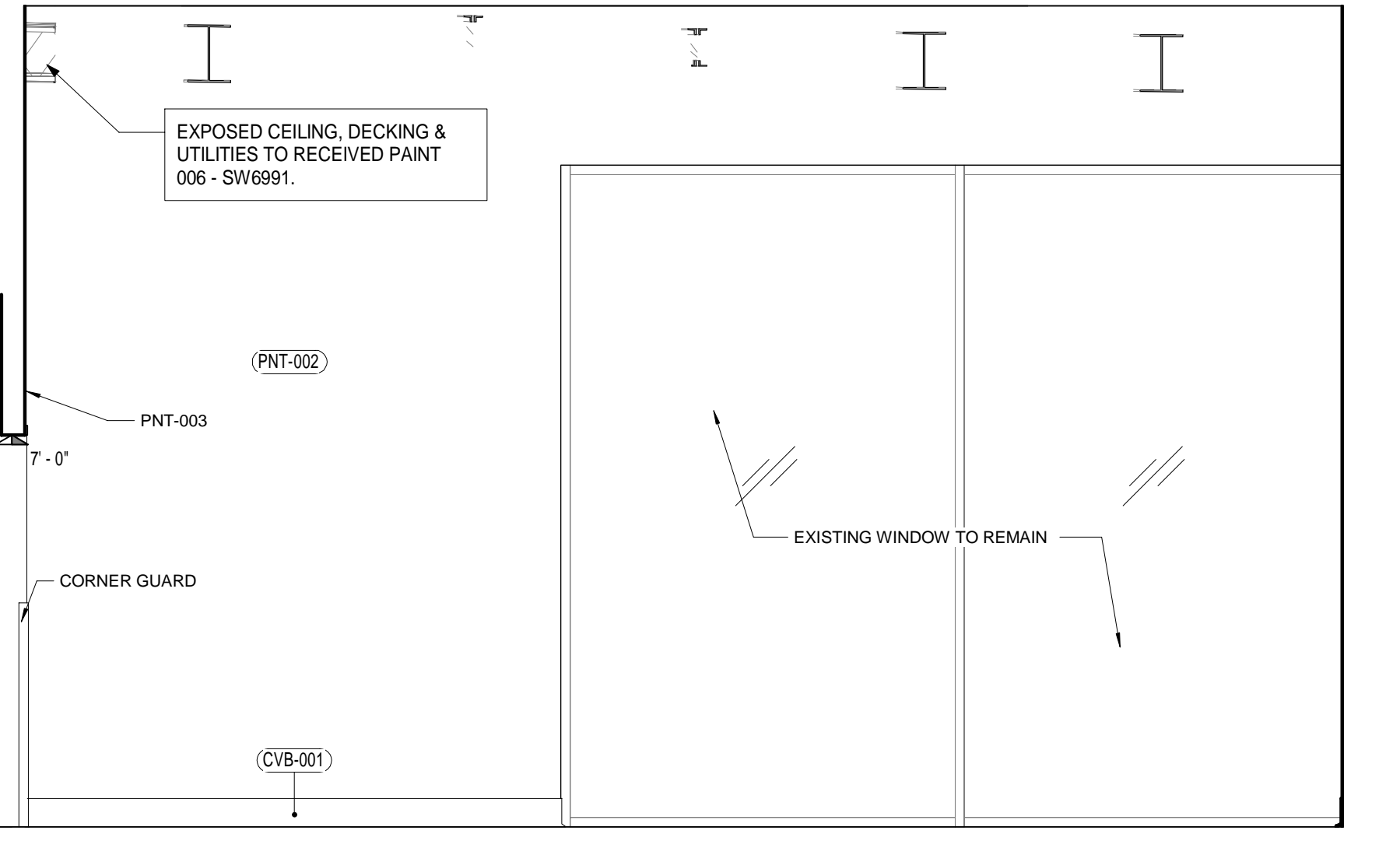
4 ASIAN/SUSHI FRONT EXTERIOR
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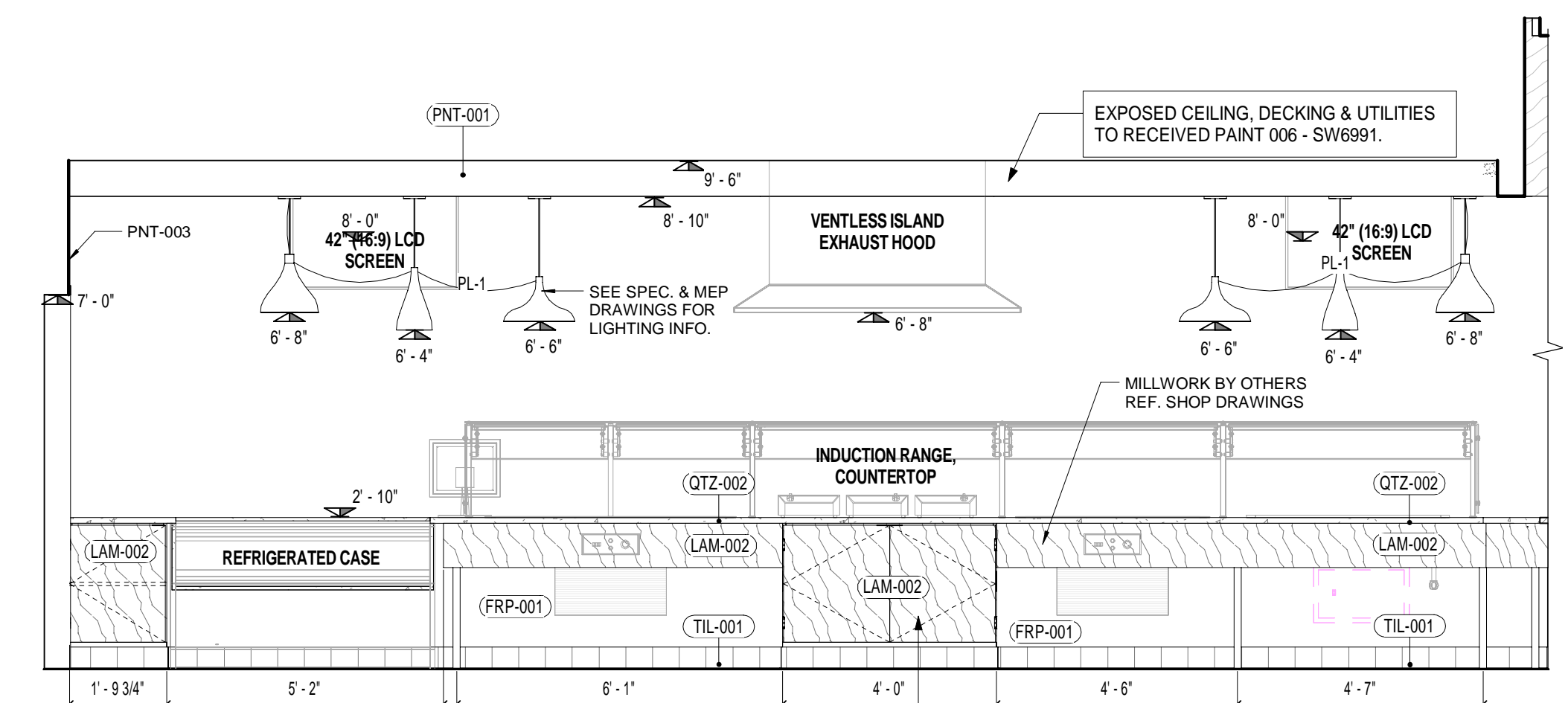
5 DELI SIDE INTERIOR ELEVATION
 3/8" = 1'-0"



6 DELI SIDE ELEVATION
 3/8" = 1'-0"



1 ASIAN/SUSHI BACK ELEVATION
 3/8" = 1'-0"



2 ASIAN/SUSHI FRONT INTERIOR ELEVATION
 3/8" = 1'-0"

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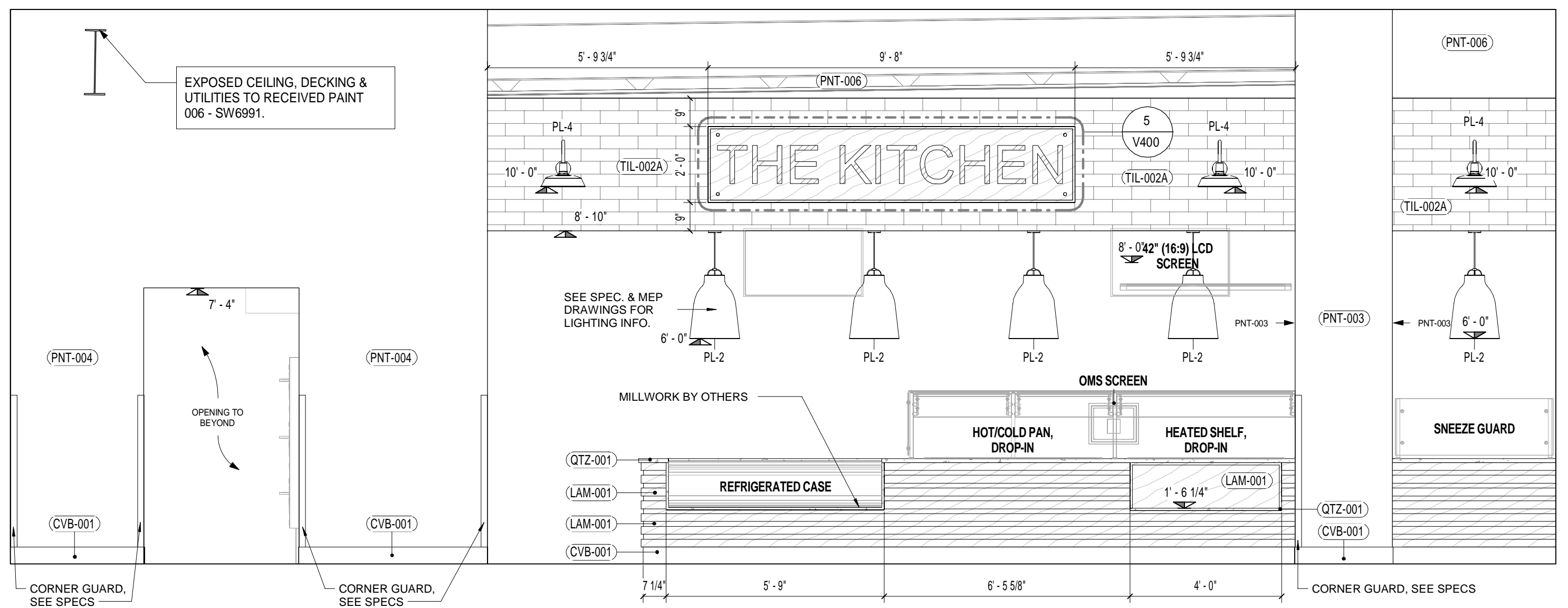
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NO.	DATE	DESCRIPTION	DESCRIPTION

SEAL:

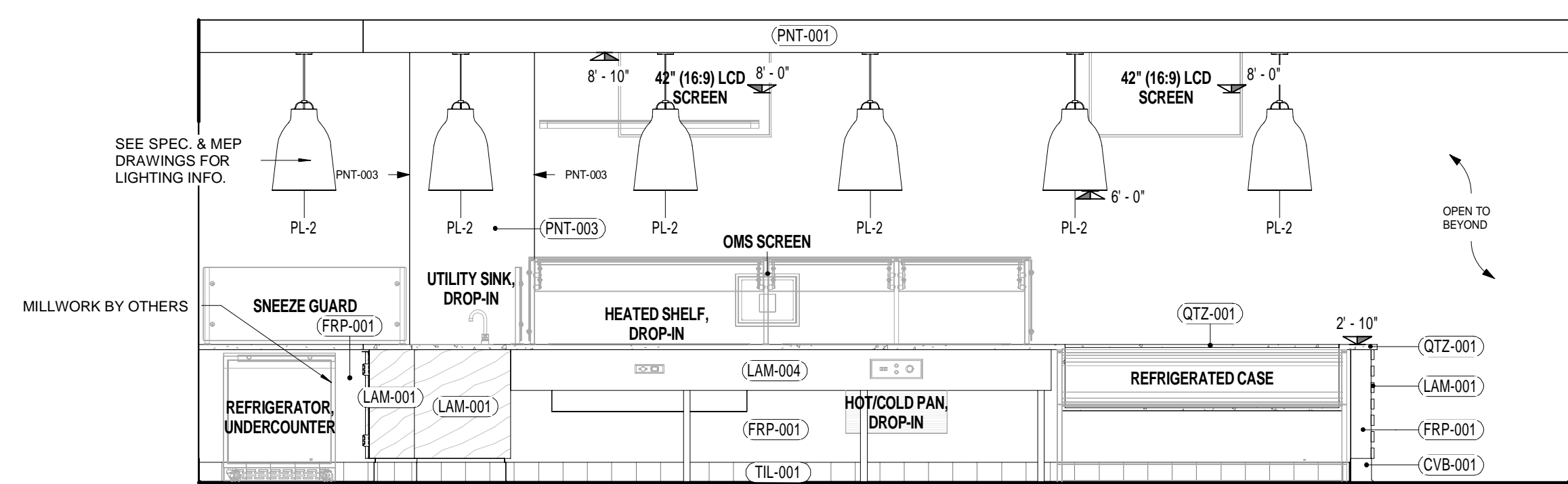
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 CHECKED BY: Checker
 PROJECT NUMBER: CW-0205-4
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DRAWING NAME:
INTERIOR ELEVATIONS III

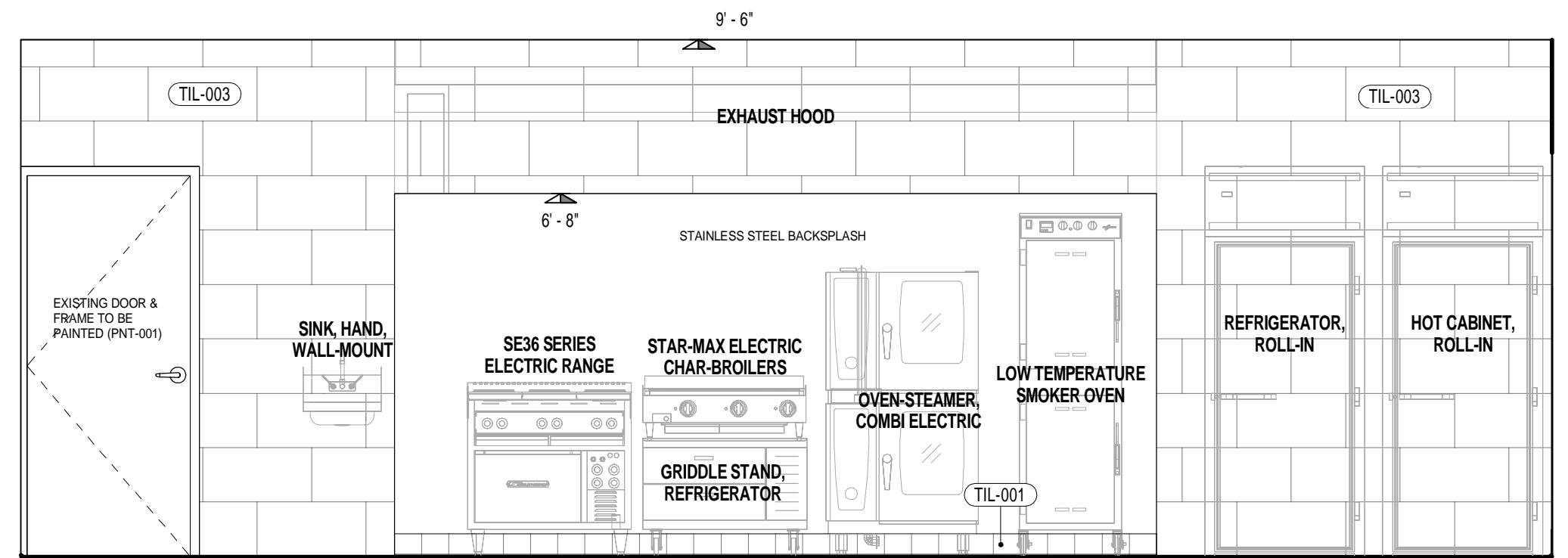
DRAWING NO.
V302



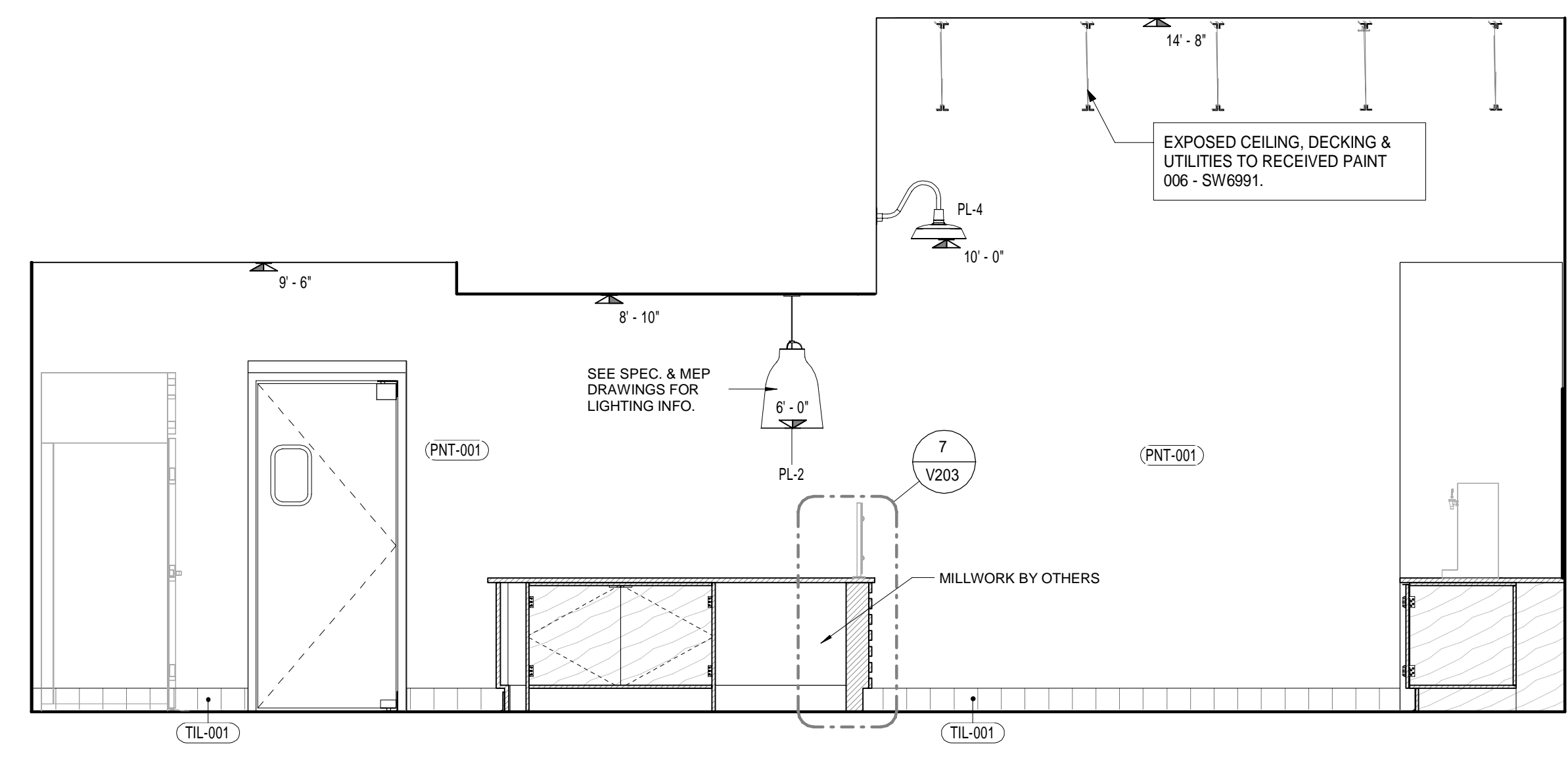
6 THE KITCHEN FRONT EXTERIOR
 3/8" = 1'-0"



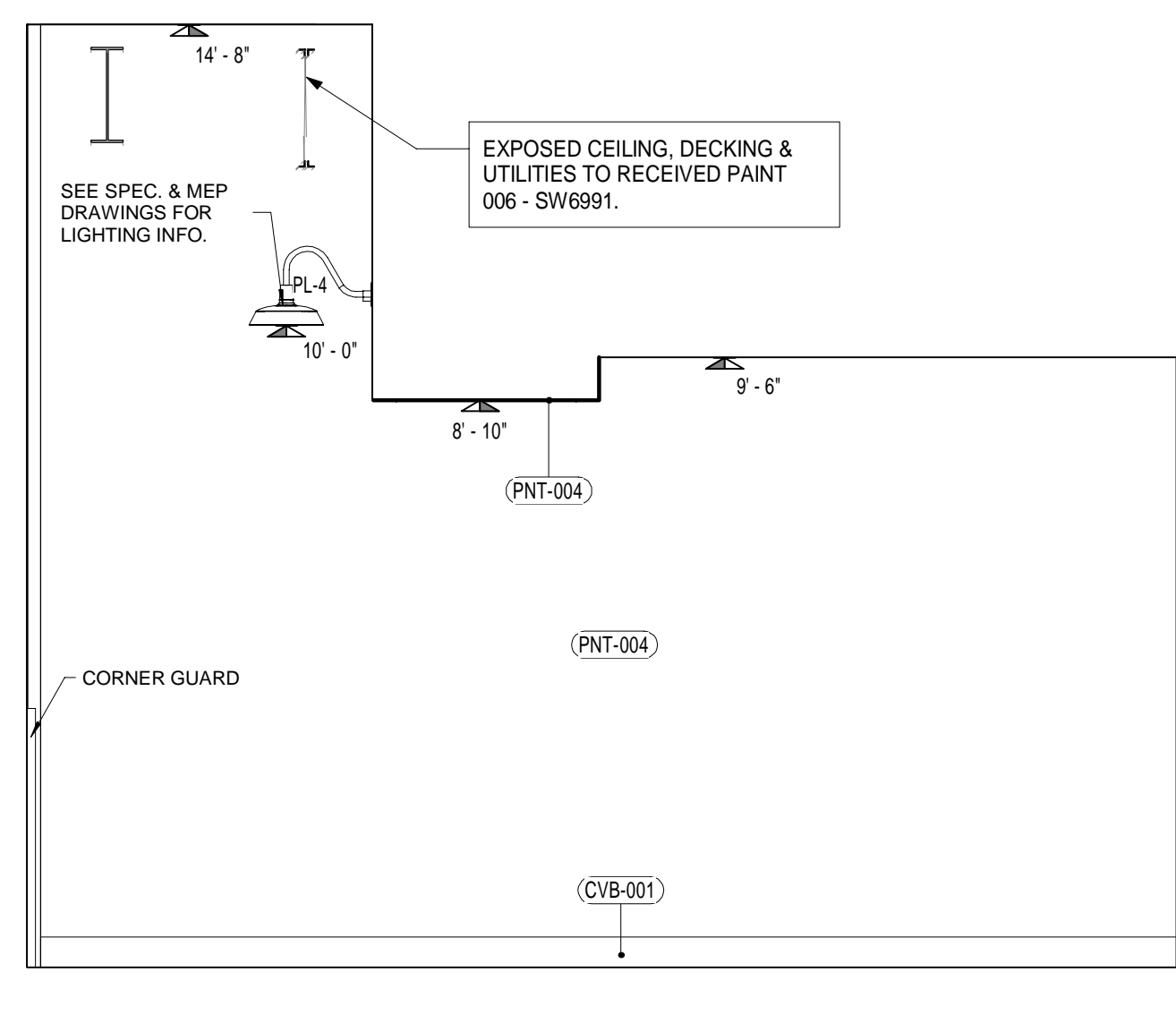
5 THE KITCHEN FRONT INTERIOR ELEVATION
 3/8" = 1'-0"



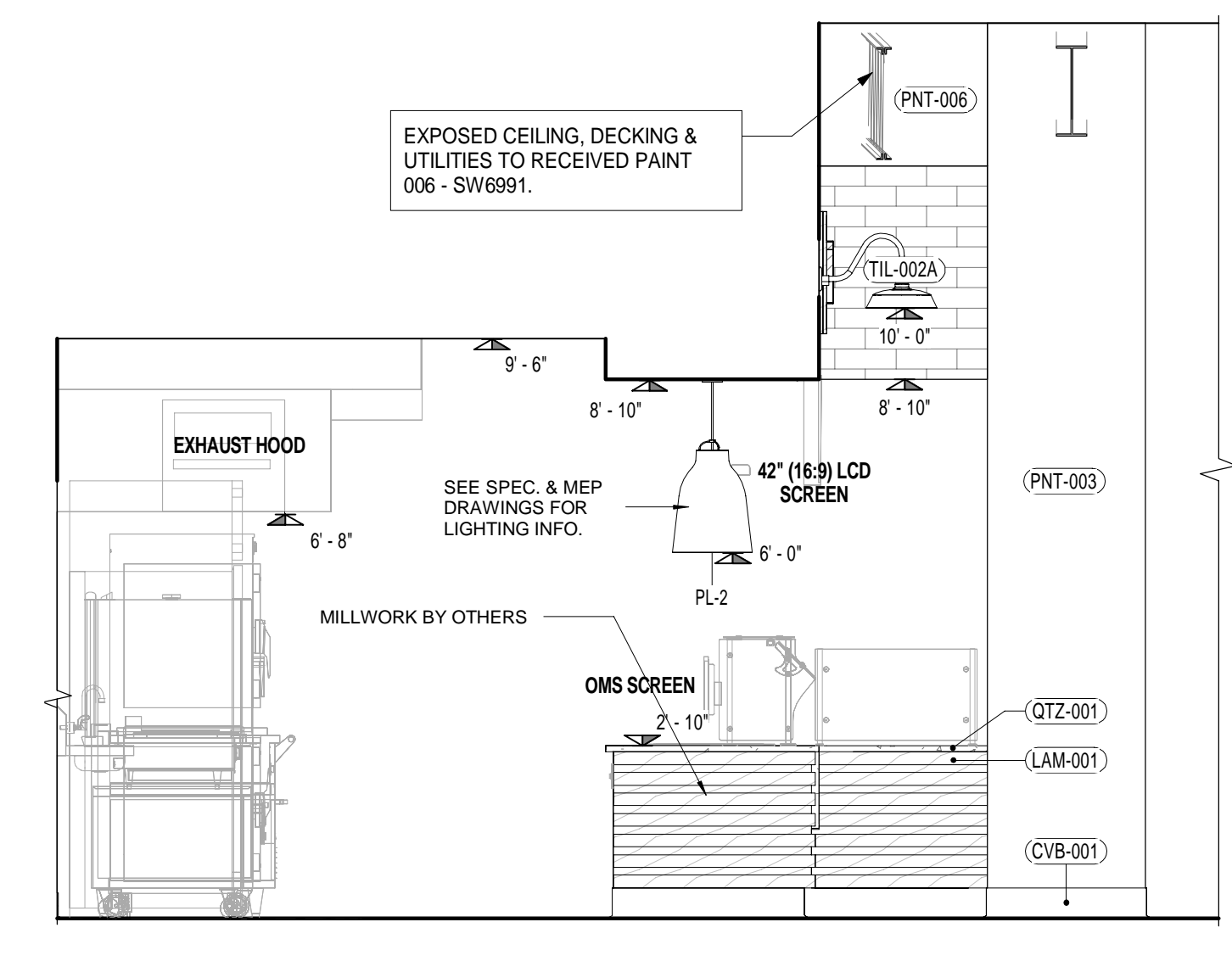
4 THE KITCHEN BACK ELEVATION
 3/8" = 1'-0"



3 THE KITCHEN SIDE ELEVATION A
 3/8" = 1'-0"



2 THE KITCHEN SIDE ELEVATION B
 3/8" = 1'-0"



1 THE KITCHEN END ELEVATION
 3/8" = 1'-0"

REVISIONS

NO.	DATE	DESCRIPTION

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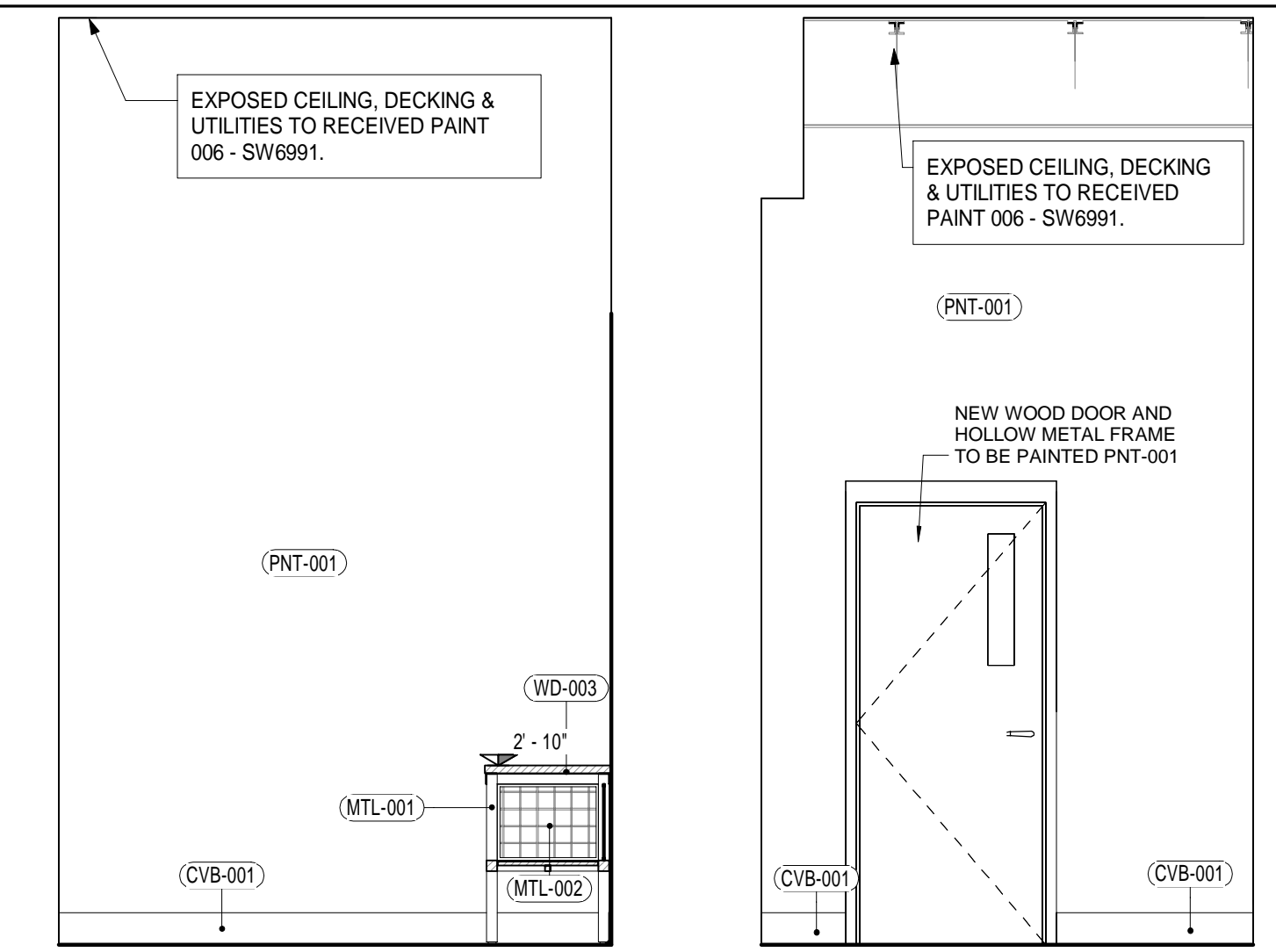
DRAWN BY: Author
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DRAWING NAME:

INTERIOR ELEVATIONS IV

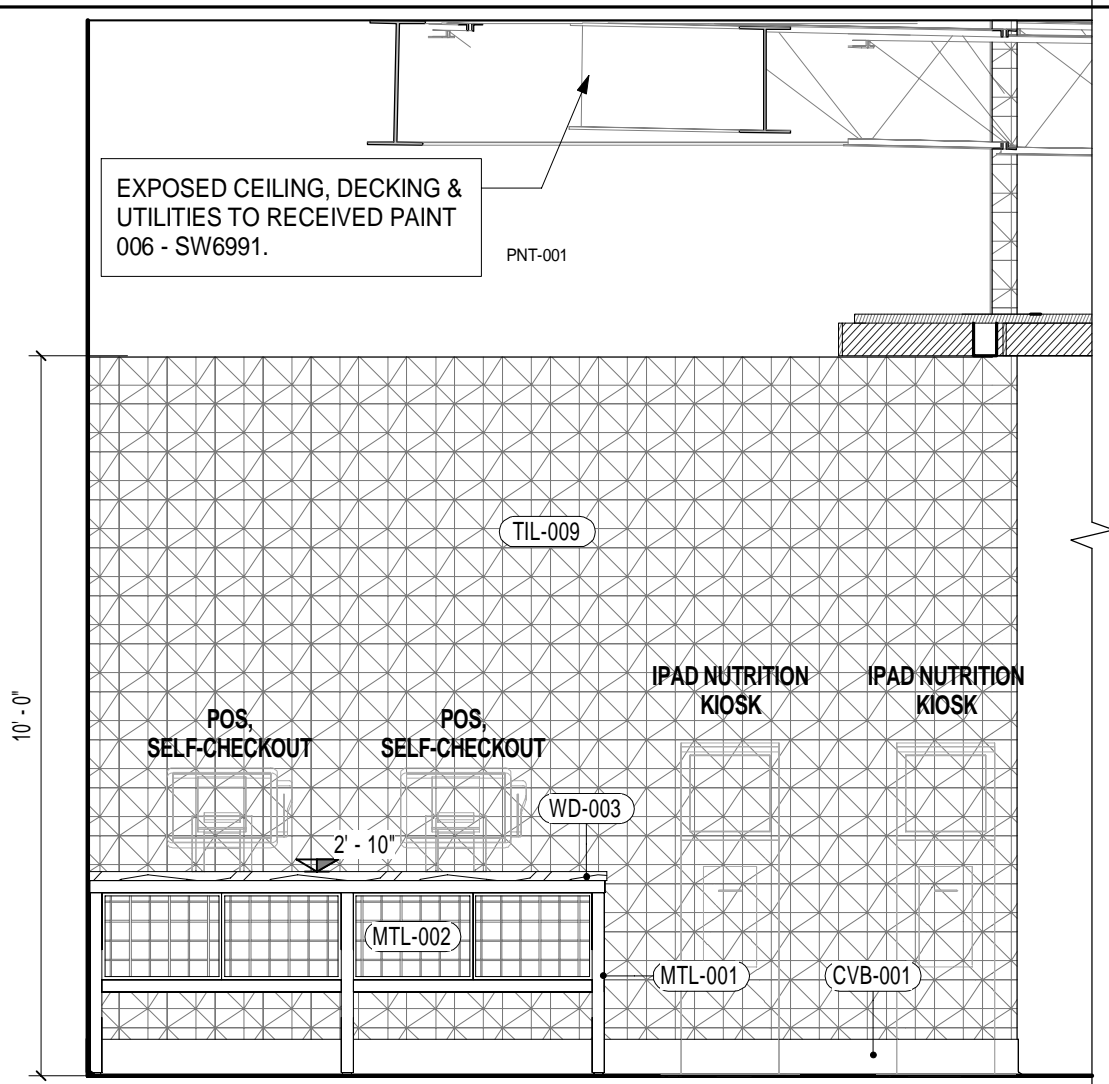
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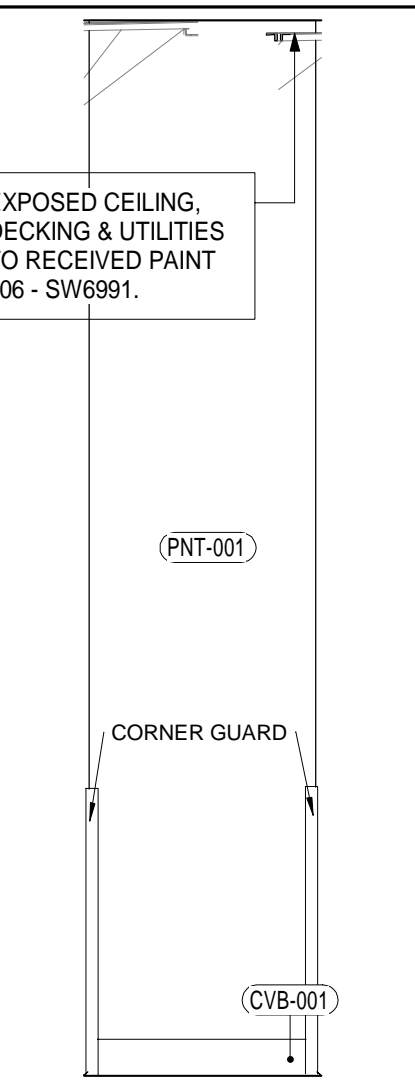
6 DOOR ENTRANCE
 3/8" = 1'-0"



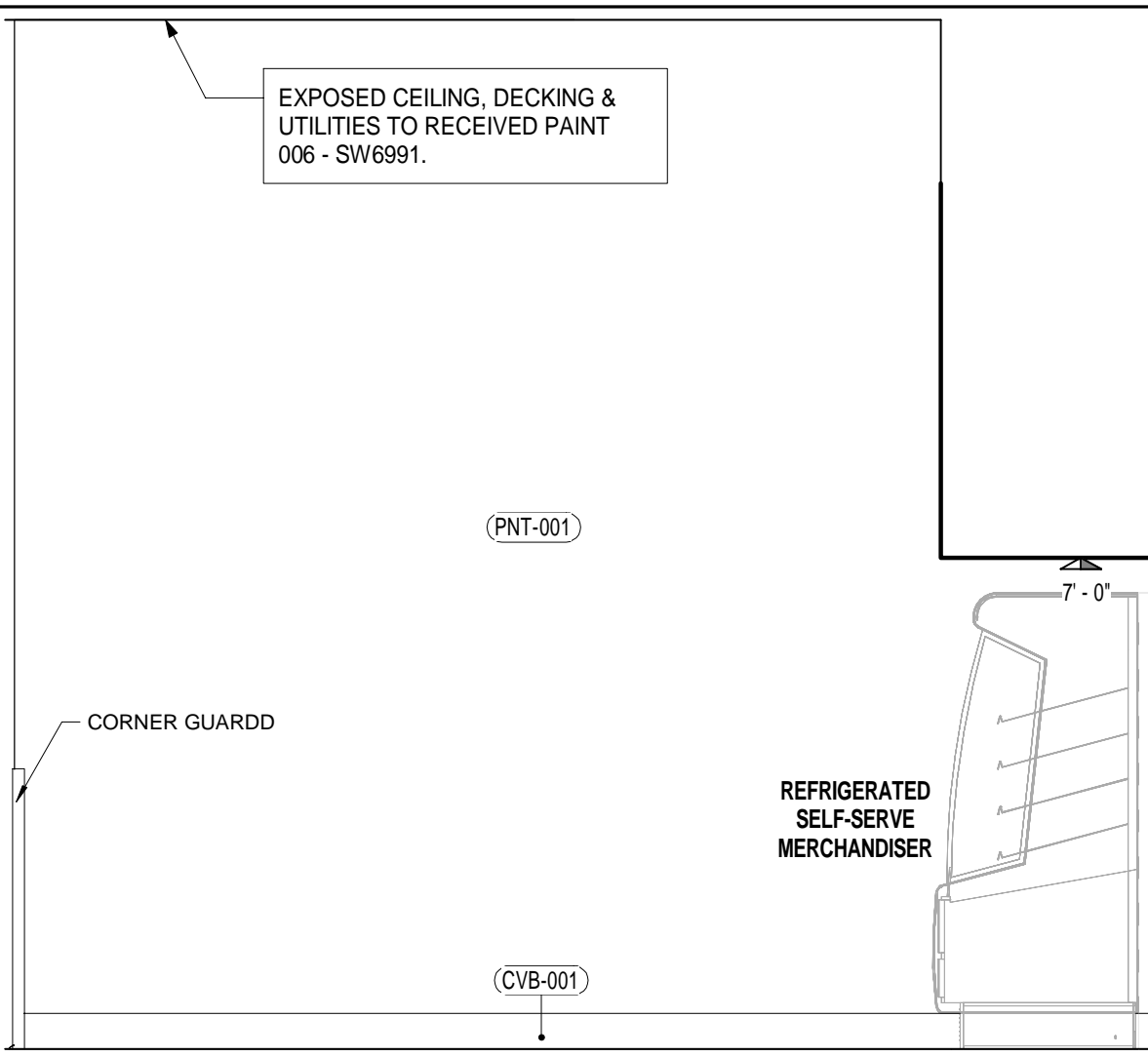
7 WALL ENTRANCE
 3/8" = 1'-0"



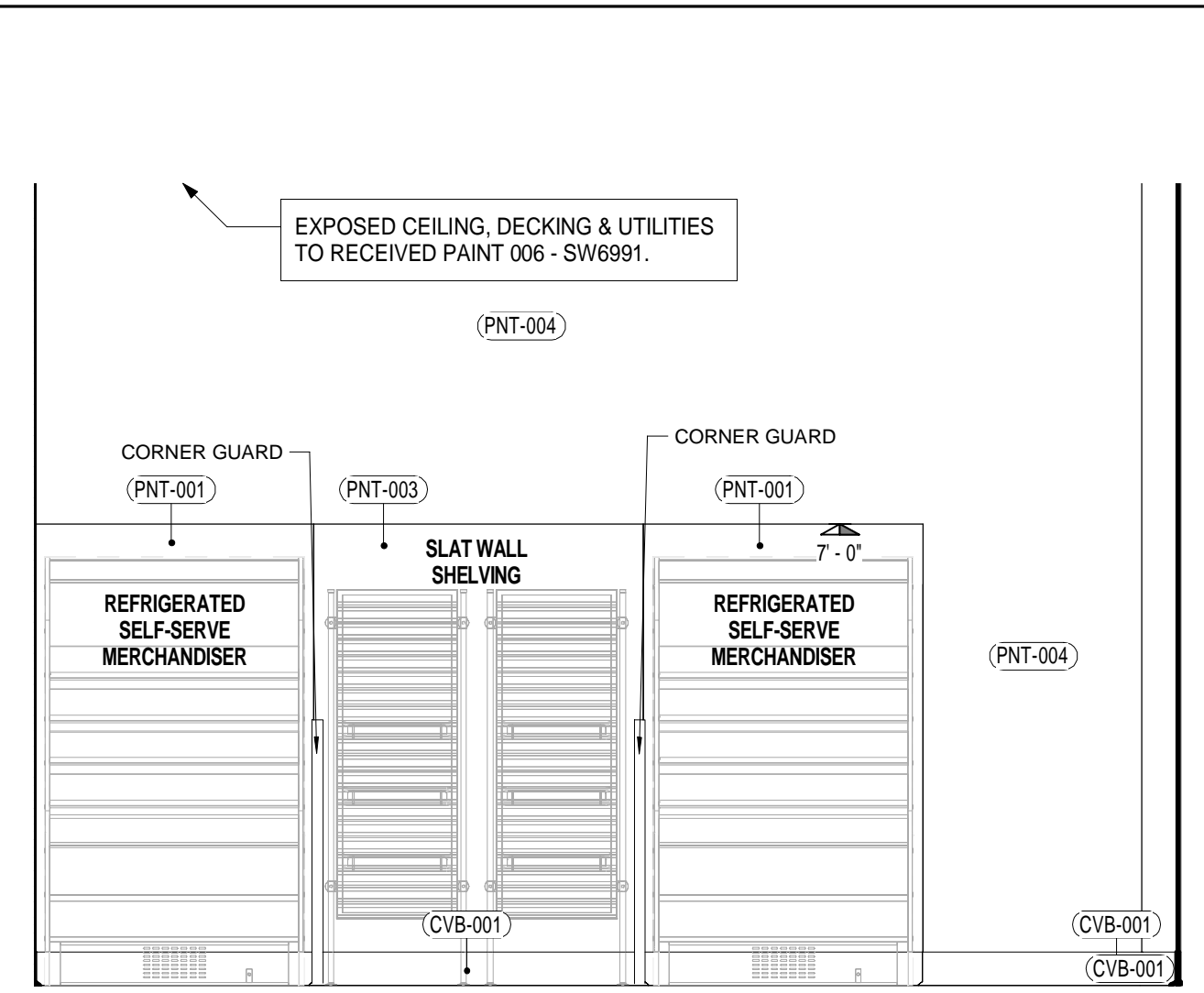
8 ORDERING KIOSK ELEVATION
 3/8" = 1'-0"



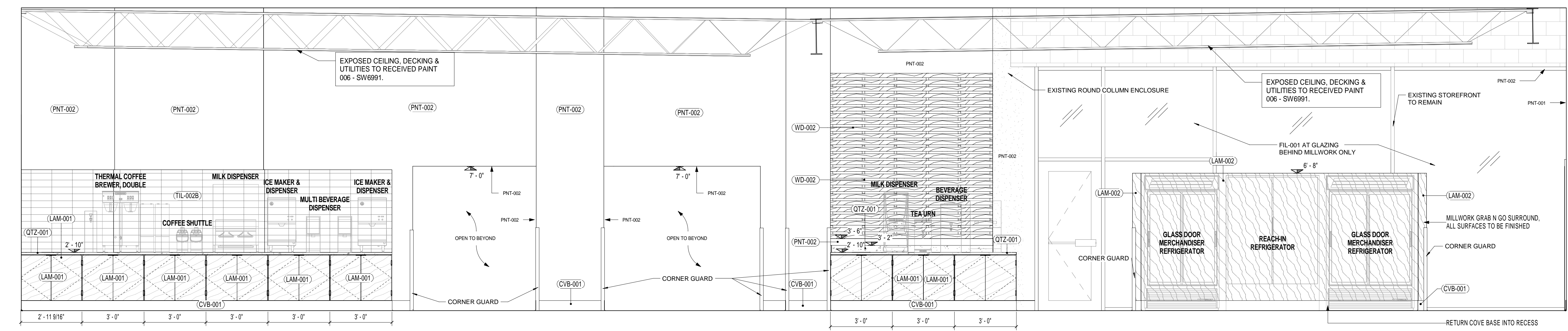
9 NEW WALL
 3/8" = 1'-0"



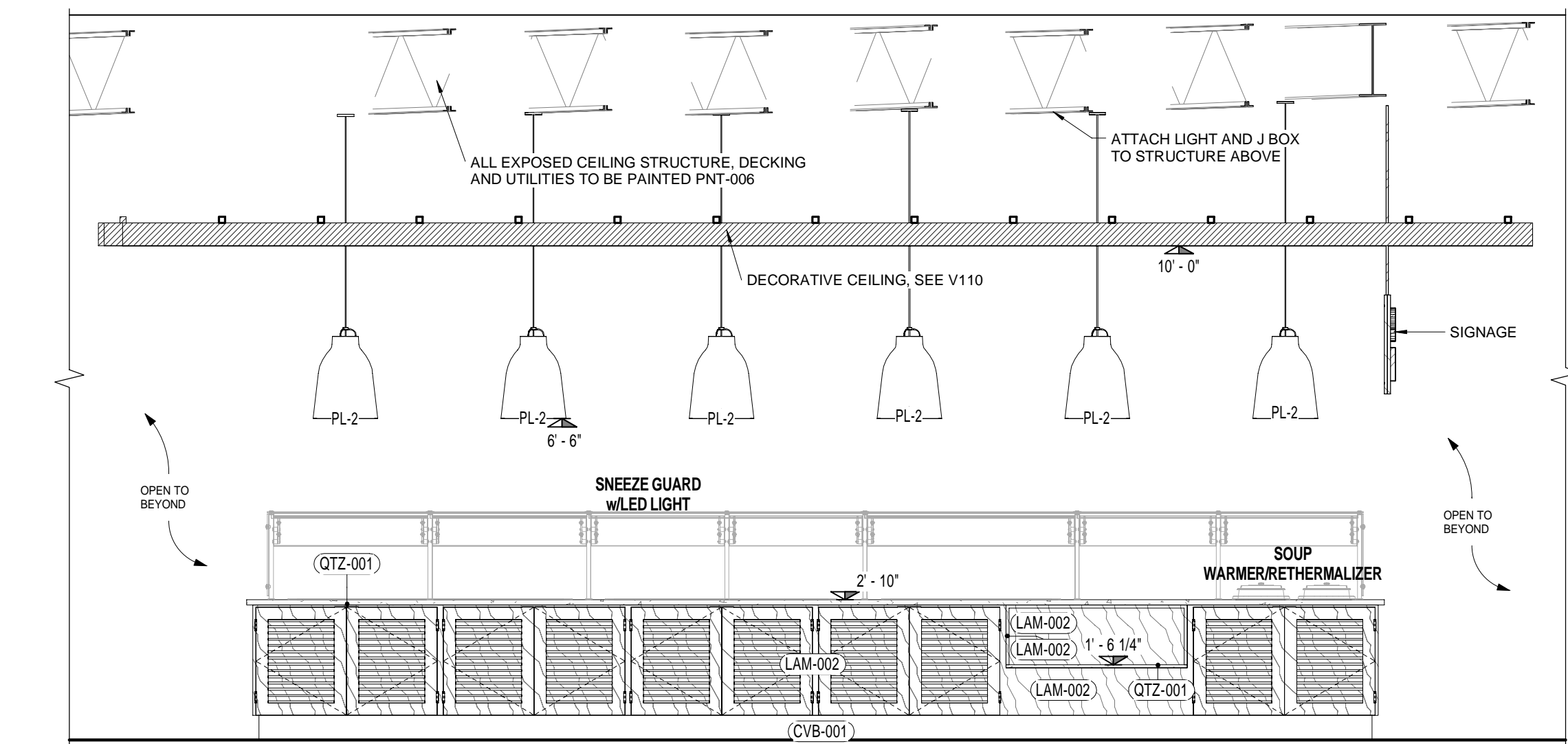
10 GRAB N GO MARKET SIDE ELEVATION
 3/8" = 1'-0"



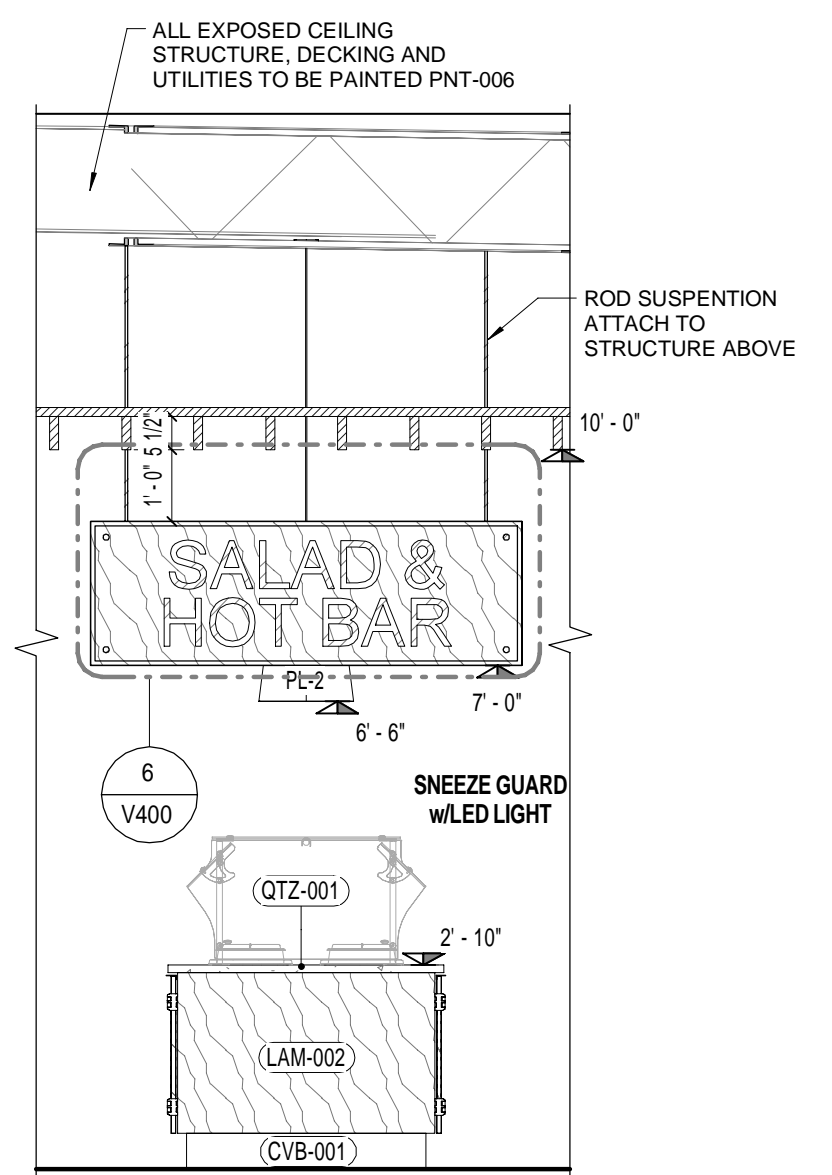
11 GRAB N GO MARKET ELEVATION
 3/8" = 1'-0"



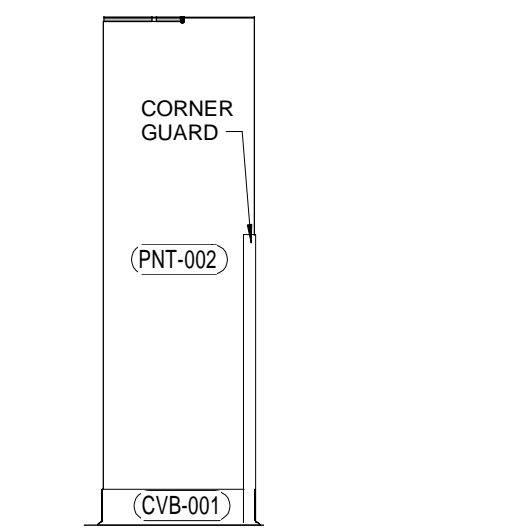
5 GRAB N GO ELEVATION
 3/8" = 1'-0"



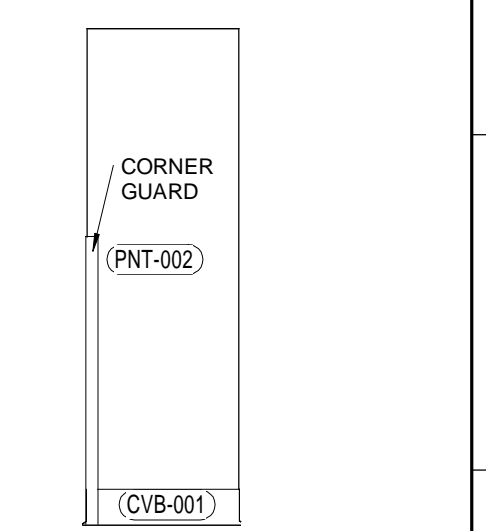
3 SALAD/ HOT BAR FRONT ELEVATION
 3/8" = 1'-0"



4 SALAD/ HOT BAR END
 3/8" = 1'-0"



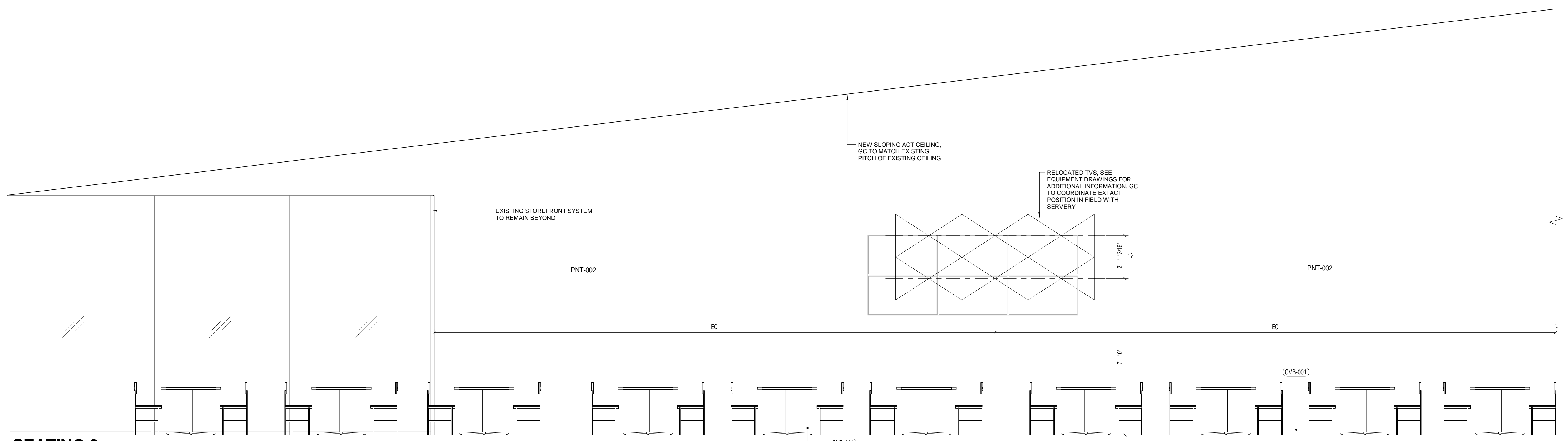
2 SEAT ENT. 1
 3/8" = 1'-0"



1 SEAT ENT. 2
 3/8" = 1'-0"

Plot Date: 7/22/2019 3:46:35 PM
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Plot Date: 7/22/2019 3:46:37 PM Dwg Filename: C:\Users\j.woodworth\Documents\SUNY_PURCHASE_HUB_VB_1_woodworth.rvt



2 SEATING 2
3/8" = 1'-0"



1 SEATING 3
3/8" = 1'-0"

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		DESCRIPTION	

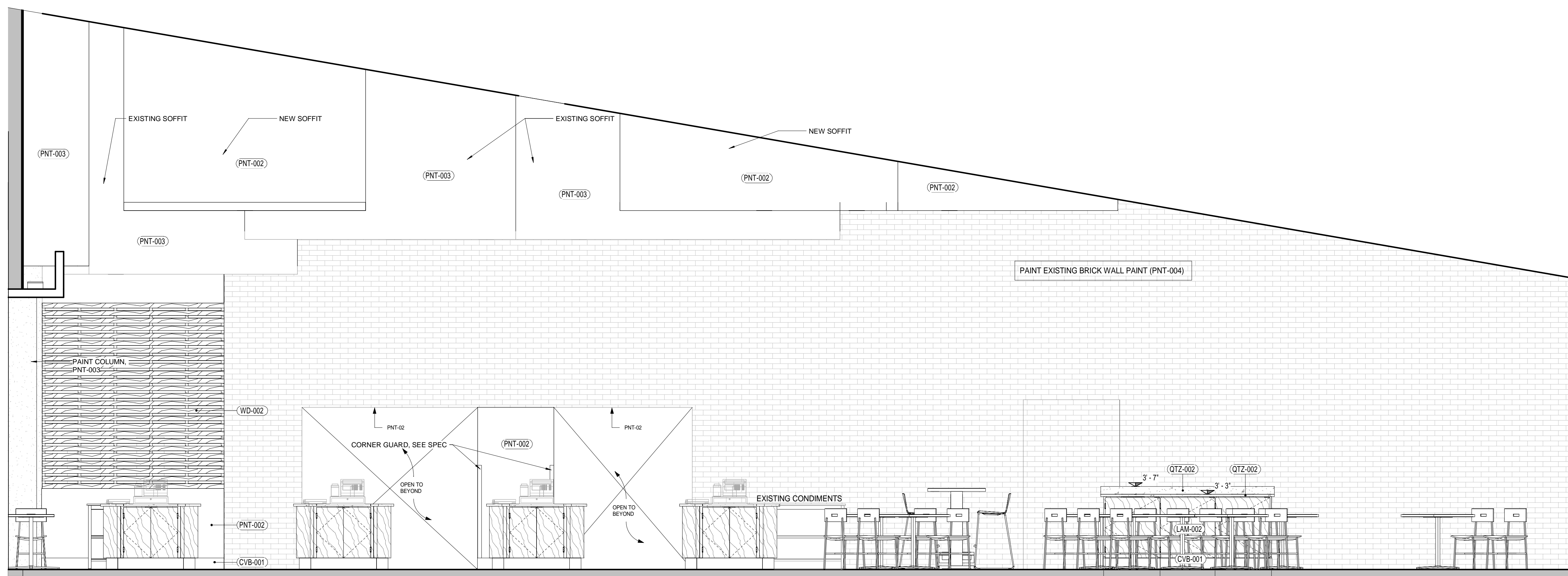
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DRAWING NAME:
INTERIOR ELEVATIONS V

DRAWING NO.
V304

Plot Date: 7/22/2019 3:46:41 PM Dwg Filename: C:\Users\j_woodworth\Documents\SUNY_PURCHASE_HUB_VB_1_woodworth.rvt



1 SEATING 1
3/8" = 1'-0"

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REVISIONS

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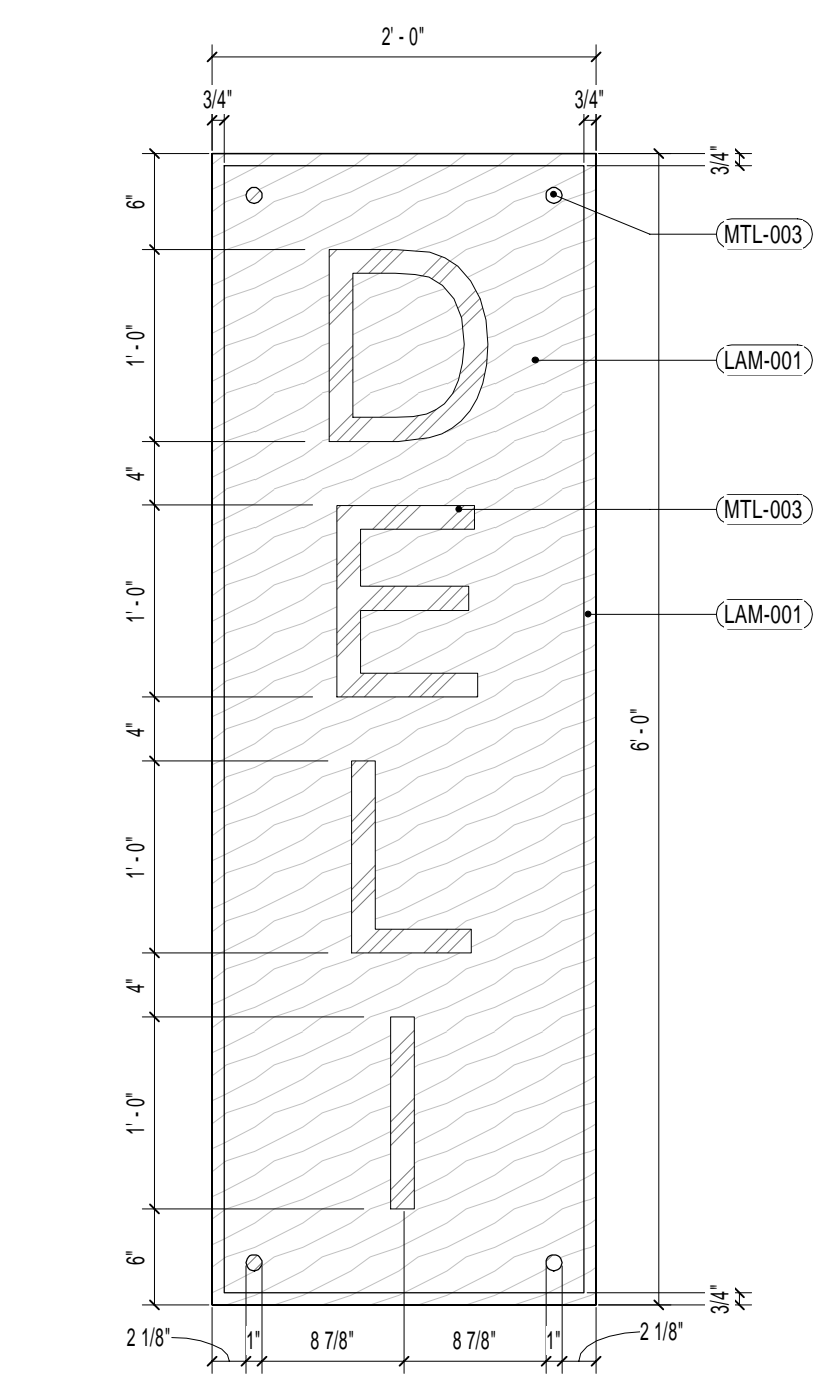
DRAWN BY: JW
 CHECKED BY: CM
 PROJECT NUMBER: CW-0205-4

DRAWING NAME:

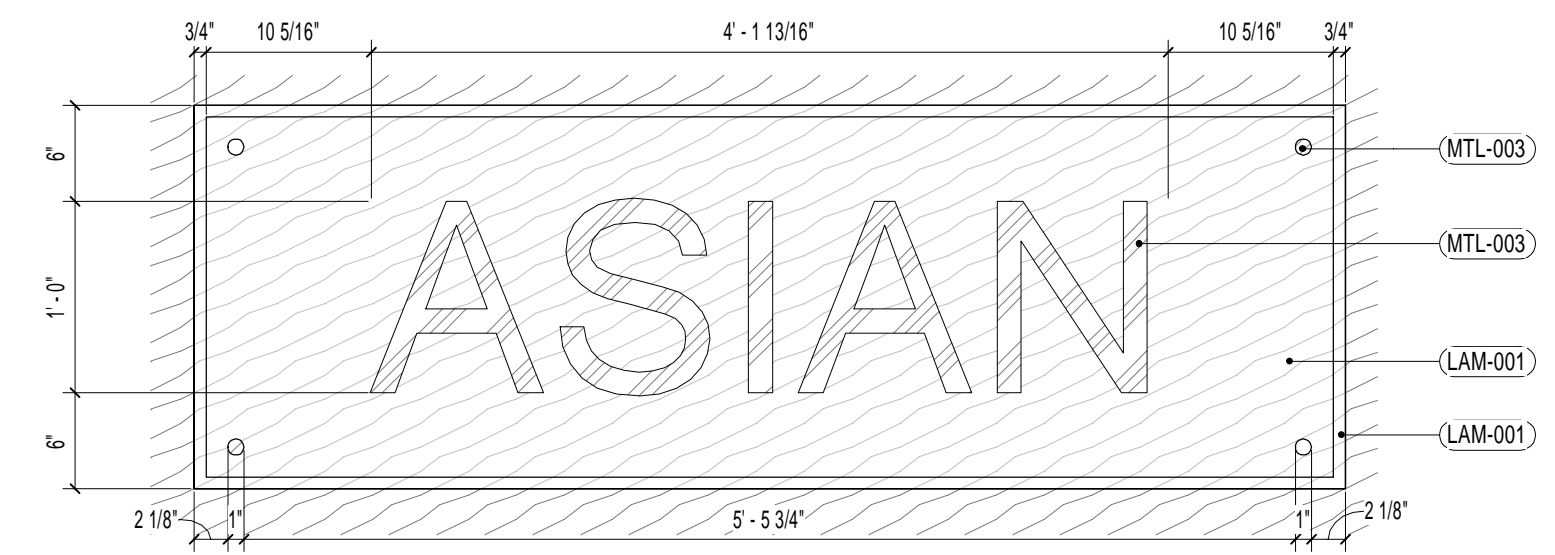
INTERIOR ELEVATIONS VI

DRAWING NO.
V305

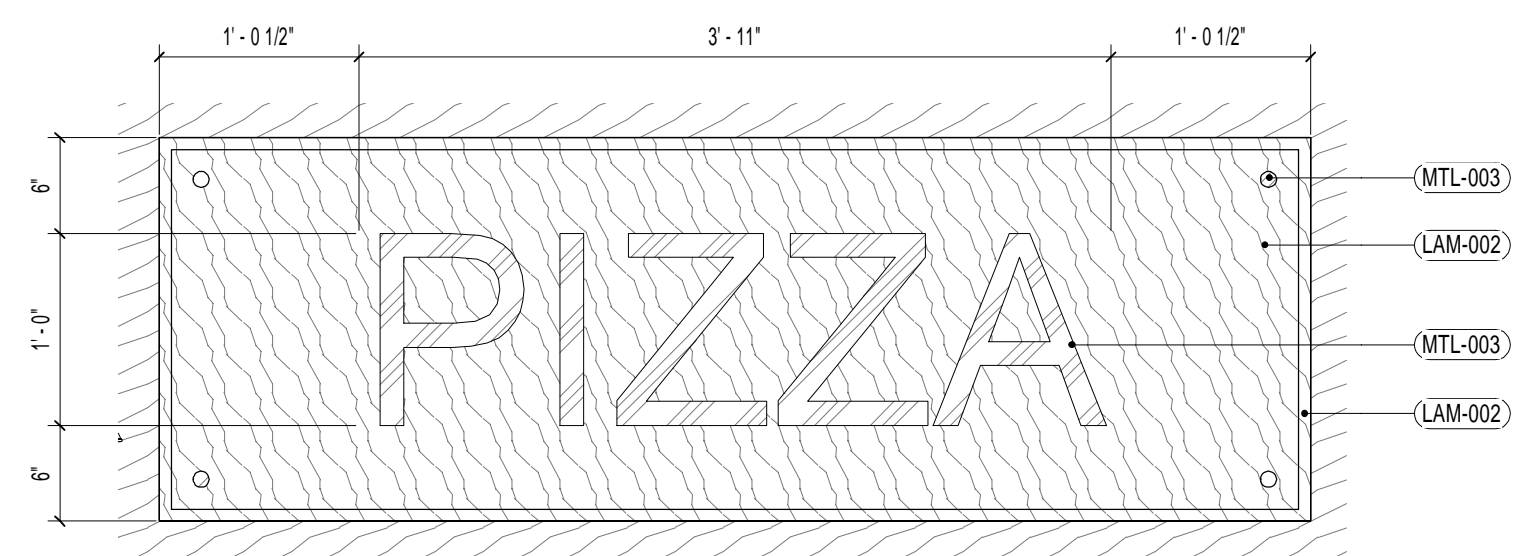
SIGNAGE NOTES:
 1. ALL SIGNAGE SHALL BE MOUNTED ON 3/4" PLYWOOD BACKER BOARD.
 2. ALL SIGNAGE EDGING SHALL BE 1 1/4" DEEP.
 3. SIGN SHALL BE ADHERED TO WALL SURFACE, U.O.N



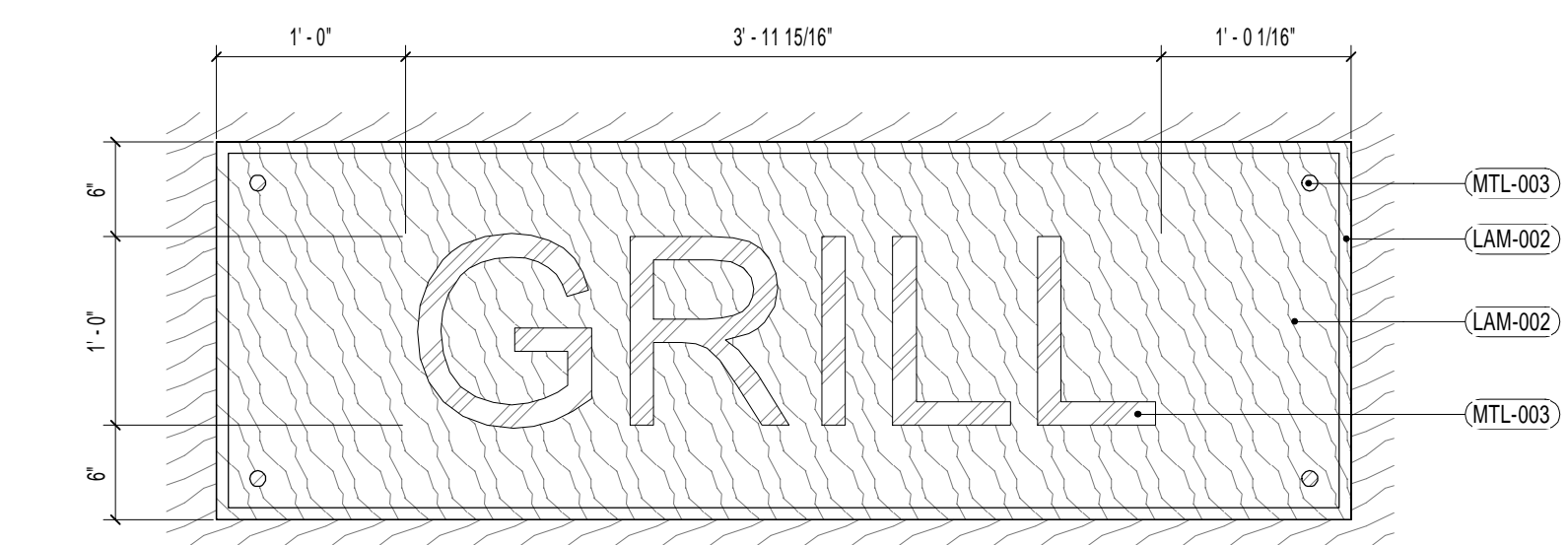
1 DELI SIGNAGE
 1" = 1'-0"



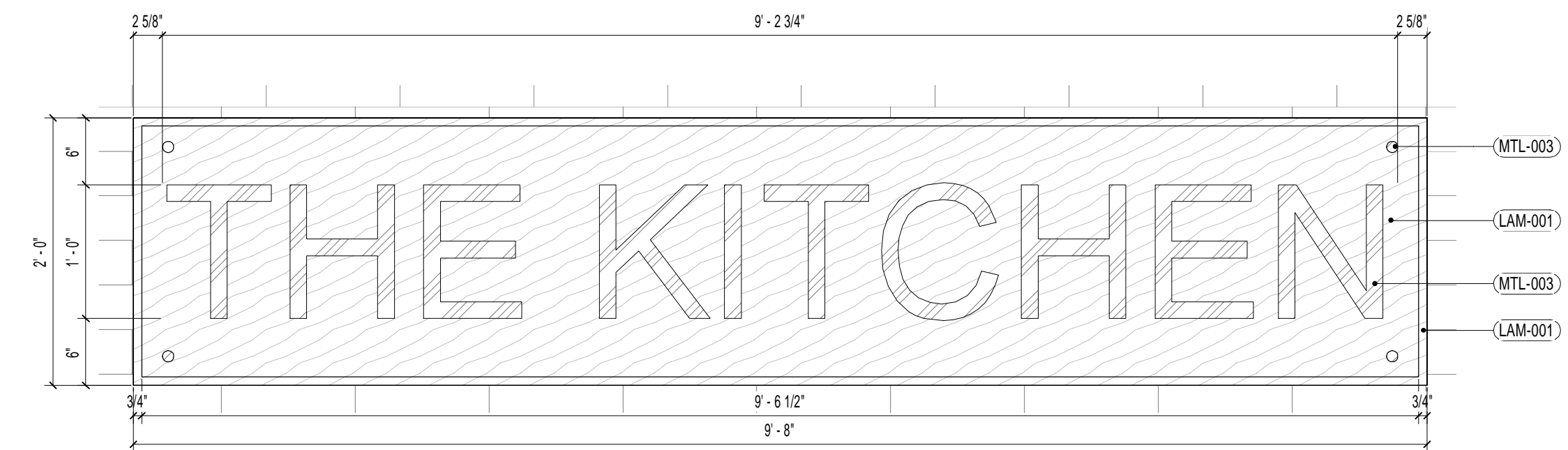
2 ASIAN SIGNAGE
 1" = 1'-0"



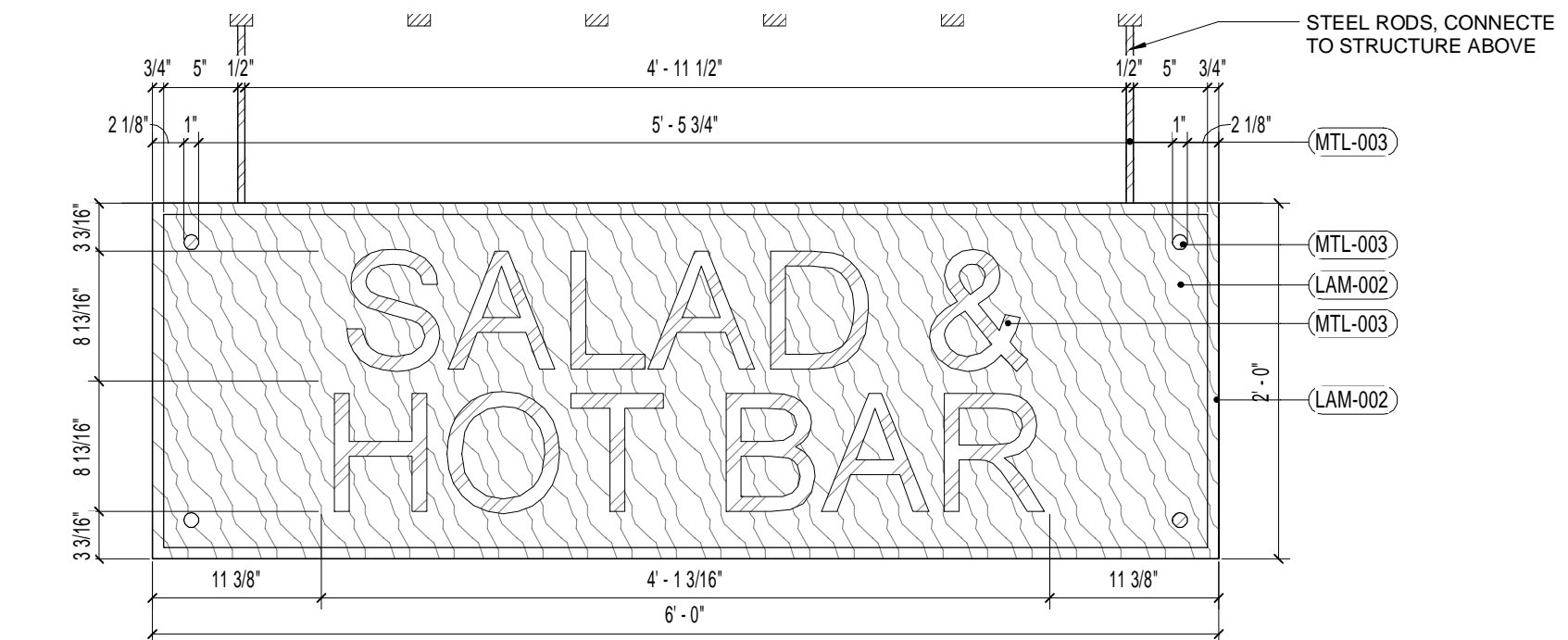
4 PIZZA SIGNAGE
 1" = 1'-0"



3 GRILL SIGNAGE
 1" = 1'-0"



5 THE KITCHEN SIGNAGE
 1" = 1'-0"



6 SALAD/ HOT BAR SIGNAGE
 1" = 1'-0"

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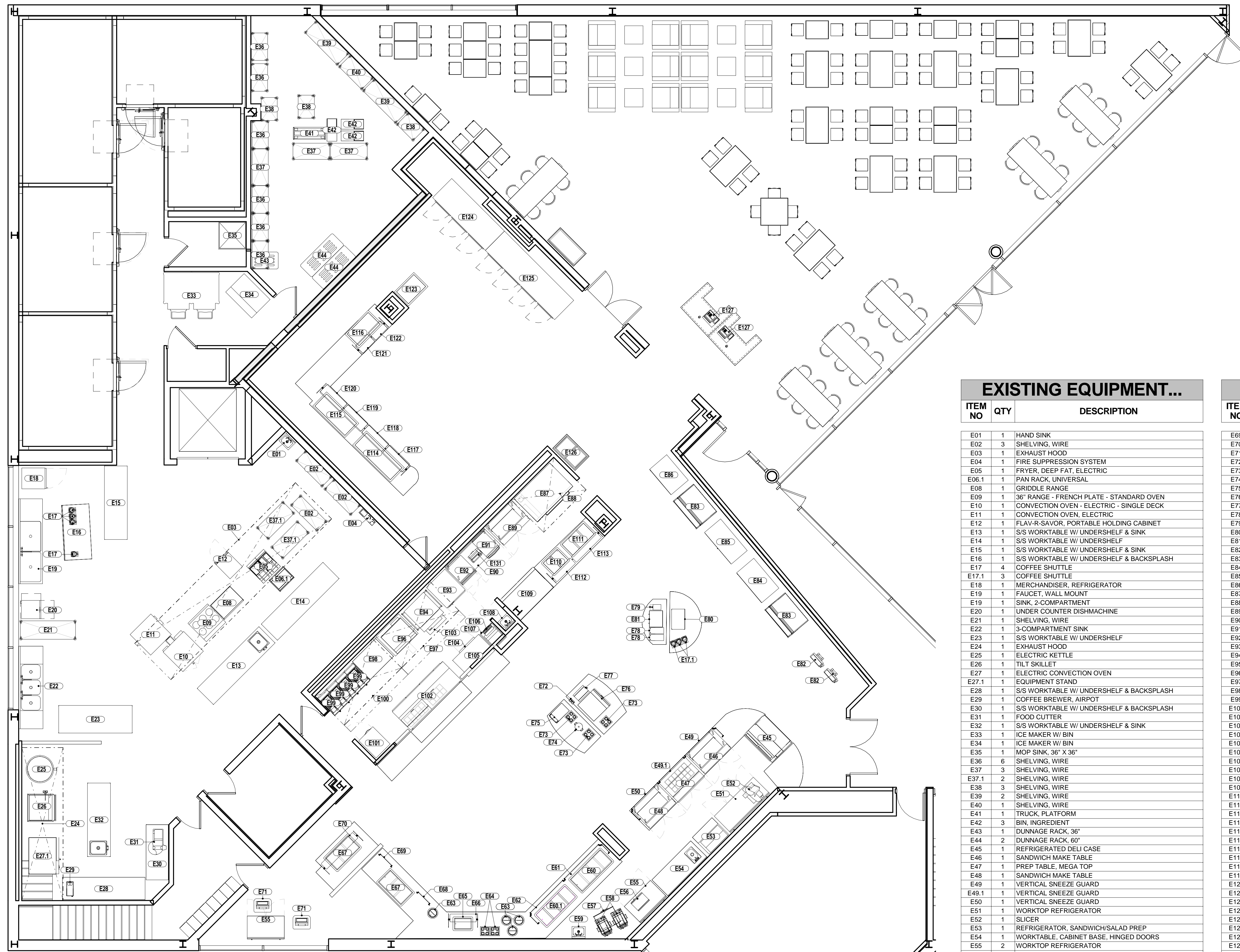
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SIGNAGE DETAILS

DRAWING NO.
V400



00-EQUIPMENT PLAN - EXISTING MAIN LEVEL
 3/16" = 1'-0"

EXISTING EQUIPMENT...

ITEM NO	QTY	DESCRIPTION
E01	1	HAND SINK
E02	3	SHELVING, WIRE
E03	1	EX-HAUST HOOD
E04	1	FIRE SUPPRESSION SYSTEM
E05	1	FRYER, DEEP FAT, ELECTRIC
E06.1	1	PAN RACK, UNIVERSAL
E08	1	GRIDDLE RANGE
E09	1	36" RANGE - FRENCH PLATE - STANDARD OVEN
E10	1	CONVECTION OVEN - ELECTRIC - SINGLE DECK
E11	1	CONVECTION OVEN, ELECTRIC
E12	1	FLAV-R-SAVOR, PORTABLE HOLDING CABINET
E13	1	S/S WORKTABLE W/ UNDERSHELF & SINK
E14	1	S/S WORKTABLE W/ UNDERSHELF
E15	1	S/S WORKTABLE W/ UNDERSHELF & SINK
E16	1	S/S WORKTABLE W/ UNDERSHELF & BACKSPLASH
E17	4	COFFEE SHUTTLE
E17.1	3	COFFEE SHUTTLE
E18	1	MERCHANDISER, REFRIGERATOR
E19	1	FAUCET, WALL MOUNT
E19.1	1	SINK, 2-COMPARTMENT
E20	1	UNDER COUNTER DISH-MACHINE
E21	1	SHELVING, WIRE
E22	1	3-COMPARTMENT SINK
E23	1	S/S WORKTABLE W/ UNDERSHELF
E24	1	EX-HAUST HOOD
E25	1	ELECTRIC KETTLE
E26	1	TILT SKILLET
E27	1	ELECTRIC CONVECTION OVEN
E27.1	1	EQUIPMENT STAND
E28	1	S/S WORKTABLE W/ UNDERSHELF & BACKSPLASH
E29	1	COFFEE BREWER, AIRPOT
E30	1	S/S WORKTABLE W/ UNDERSHELF & BACKSPLASH
E31	1	FOOD CUTTER
E32	1	S/S WORKTABLE W/ UNDERSHELF & SINK
E33	1	ICE MAKER W/ BIN
E34	1	ICE MAKER W/ BIN
E35	1	MOP SINK, 36" X 36"
E36	6	SHELVING, WIRE
E37	3	SHELVING, WIRE
E37.1	2	SHELVING, WIRE
E38	3	SHELVING, WIRE
E39	2	SHELVING, WIRE
E40	1	SHELVING, WIRE
E41	1	TRUCK, PLATFORM
E42	3	BIN, INGREDIENT
E43	1	DUNNAGE RACK, 36"
E44	2	DUNNAGE RACK, 60"
E45	1	REFRIGERATED DELI CASE
E46	1	SANDWICH MAKE TABLE
E47	1	PREP TABLE, MEGA TOP
E48	1	SANDWICH MAKE TABLE
E49	1	VERTICAL SNEEZE GUARD
E49.1	1	VERTICAL SNEEZE GUARD
E50	1	VERTICAL SNEEZE GUARD
E51	1	WORKTOP REFRIGERATOR
E52	1	SLICER
E53	1	REFRIGERATOR, SANDWICH/SALAD PREP
E54	1	WORKTABLE, CABINET BASE, HINGED DOORS
E55	2	WORKTOP REFRIGERATOR
E56	1	MICROWAVE OVEN
E57	1	BUILT-IN DRAWER WARMER
E58	2	SANDWICH PRESS
E59	1	HAND SINK
E60	1	COLD PAN
E60.1	1	HOT PAN ELECTRICALLY HEATED-SINGLE CONTROL
E61	1	VERTICAL SNEEZE GUARD
E62	1	VERTICAL SNEEZE GUARD
E63	4	SOUP WELL, DROP-IN, INDUCTION
E64	2	CUP DISPLAY
E65	1	COLD PAN
E66	1	SNEEZE GUARD
E67	2	COLD PAN
E68	1	VERTICAL SNEEZE GUARD

EXISTING EQUIPMENT...

ITEM NO	QTY	DESCRIPTION
E69	1	VERTICAL SNEEZE GUARD
E70	1	SNEEZE GUARD
E71	2	IPAD NUTRITION KIOSK
E72	2	WATER FILTER SYSTEM
E73	3	CUP DISPLAY
E74	1	TEA URN
E75	1	MILK DISPENSER
E76	1	PEPSI SODA 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
E83	2	AIRSCREEN
E84	1	GLASS DOOR MERCHANDISER REFRIGERATOR
E85	1	REACH-IN REFRIGERATOR
E86	1	GLASS DOOR MERCHANDISER REFRIGERATOR
E87	1	DECK OVEN, PIZZA, ELECTRIC
E88	1	EXHAUST HOOD
E89	1	SANDWICH MAKE TABLE
E90	1	WORKTOP SOLID DOOR REFRIGERATOR
E91	1	OVEN
E92	1	CONVECTION OVEN, ELECTRIC, COUNTERTOP
E93	1	REFRIGERATOR, ROLL IN
E94	1	BROILER
E95	1	EQUIPMENT STAND
E96	1	ULTRA-MAX ELECTRIC GRIDDLES
E97	1	EXHAUST HOOD
E98	1	DUMP STATION
E99	4	FRYER, 30 LB
E100	1	EXHAUST HOOD
E101	1	FREEZER, REACH-IN
E102	1	SANDWICH TOP REFRIGERATOR
E103	1	ICE CREAM STORAGE CABINET
E104	1	UNDERCOUNTER REFRIGERATOR
E105	1	S/S WORKTABLE W/ UNDERSHELF
E106	1	OCS3 SERIES HIGH VOLUME CONVEYOR TOASTERS
E107	1	CABINET, MOBILE, WARMING & HOLDING
E108	1	SINK, HAND, WALL-MOUNT
E109	1	REFRIGERATED DELI CASE
E110	1	DROP-IN HOT WELL
E111	1	DROP-IN HOT WELL
E112	1	SNEEZE GUARD
E113	1	SNEEZE GUARD
E114	1	HOT/COLD WELL, DROP-IN
E115	1	HOT/COLD WELL, DROP-IN
E116	1	HOT/COLD WELL, DROP-IN
E117	1	SNEEZE GUARD
E118	1	SNEEZE GUARD
E119	1	SNEEZE GUARD
E120	1	SNEEZE GUARD
E121	1	SNEEZE GUARD
E122	1	SNEEZE GUARD
E123	1	HOT COUNTER
E124	1	BOTTLE BEVERAGE COOLER
E125	1	BOTTLE BEVERAGE COOLER
E126	1	FREEZER, ICE CREAM
E127	2	P.O.S.
E128	8	LOCKERS
E131	1	DOUGH SHEETER

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PROJECT:

NO.	DATE	REVISIONS	DESCRIPTION

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DRAWN BY: R. Schneider
 CHECKED BY: Checker

PROJECT NUMBER: CW-0205.4.2

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DRAWING NAME:
FOODSERVICE EXISTING EQUIPMENT LAYOUT

DRAWING NO.
Q000

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DEMOLITION EQUIPMENT LEGEND
 [Orange dashed box] EXISTING TO BE DEMOLISHED
 [Blue dashed box] EXISTING TO BE RELOCATED

1 00-DEMOLITION PLAN
 3/16" = 1'-0"

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DRAWING NAME:
FOODSERVICE DEMO LAYOUT

DRAWING NO.
Q001

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FOODSERVICE EQUIPMENT SCHEDULE - DEMO

ITEM NO	QTY	DESCRIPTION	EQUIPMENT REMARKS
E06.1	1	PAN RACK, UNIVERSAL	EXISTING TO BE DEMOLISHED
E09	1	36" RANGE - FRENCH PLATE - STANDARD OVEN	EXISTING TO BE DEMOLISHED
E17.1	3	COFFEE SHUTTLE	EXISTING TO BE DEMOLISHED
E18	1	MERCHANDISER, REFRIGERATOR	EXISTING TO BE DEMOLISHED
E20	1	UNDER COUNTER DISHMACHINE	EXISTING TO BE DEMOLISHED
E34	1	ICE MAKER W/ BIN	EXISTING TO BE DEMOLISHED
E36	6	SHELVING, WIRE	EXISTING TO BE DEMOLISHED
E37	3	SHELVING, WIRE	EXISTING TO BE DEMOLISHED
E38	3	SHELVING, WIRE	EXISTING TO BE DEMOLISHED
E39	2	SHELVING, WIRE	EXISTING TO BE DEMOLISHED
E40	1	SHELVING, WIRE	EXISTING TO BE DEMOLISHED
E42	3	BIN, INGREDIENT	EXISTING TO BE DEMOLISHED
E45	1	REFRIGERATED DELI CASE	EXISTING TO BE DEMOLISHED
E46	1	SANDWICH MAKE TABLE	EXISTING TO BE DEMOLISHED
E47	1	PREP TABLE, MEGA TOP	EXISTING TO BE DEMOLISHED
E48	1	SANDWICH MAKE TABLE	EXISTING TO BE DEMOLISHED
E49	1	VERTICAL SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E49.1	1	VERTICAL SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E50	1	VERTICAL SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E54	1	WORKTABLE, CABINET BASE, HINGED DOORS	EXISTING TO BE DEMOLISHED
E56	1	MICROWAVE OVEN	EXISTING TO BE DEMOLISHED
E57	1	BUILT-IN DRAINER WARMER	EXISTING TO BE DEMOLISHED
E58	2	SANDWICH PRESS	EXISTING TO BE DEMOLISHED
E59	1	HAND SINK	EXISTING TO BE DEMOLISHED
E60	1	COLD PAN	EXISTING TO BE DEMOLISHED
E60.1	1	HOT PAN ELECTRICALLY HEATED-SINGLE CONTROL	EXISTING TO BE DEMOLISHED
E61	1	VERTICAL SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E62	1	VERTICAL SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E63	4	SOUP WELL, DROP-IN, INDUCTION	EXISTING TO BE DEMOLISHED
E64	2	CUP DISPLAY	EXISTING TO BE DEMOLISHED
E65	1	COLD PAN	EXISTING TO BE DEMOLISHED
E66	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E68	1	VERTICAL SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E69	1	VERTICAL SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E70	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E73	3	CUP DISPLAY	EXISTING TO BE DEMOLISHED
E76	1	PEPSI SODA DISPENSER	EXISTING TO BE DEMOLISHED
E83	2	AIRSCREEN	EXISTING TO BE DEMOLISHED
E87	1	DECK OVEN, PIZZA, ELECTRIC	EXISTING TO BE DEMOLISHED
E92	1	CONVECTION OVEN, ELECTRIC, COUNTERTOP	EXISTING TO BE DEMOLISHED
E102	1	SANDWICH TOP REFRIGERATOR	EXISTING TO BE DEMOLISHED
E104	1	UNDERCOUNTER REFRIGERATOR	EXISTING TO BE DEMOLISHED
E109	1	REFRIGERATED DELI CASE	EXISTING TO BE DEMOLISHED
E110	1	DROPIN HOT WELL	EXISTING TO BE DEMOLISHED
E111	1	DROPIN HOT WELL	EXISTING TO BE DEMOLISHED
E112	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E113	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E117	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E118	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E119	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E120	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E121	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E122	1	SNEEZE GUARD	EXISTING TO BE DEMOLISHED
E123	1	HOT COUNTER	EXISTING TO BE DEMOLISHED
E124	1	BOTTLE BEVERAGE COOLER	EXISTING TO BE DEMOLISHED
E125	1	BOTTLE BEVERAGE COOLER	EXISTING TO BE DEMOLISHED
E126	1	FREEZER, ICE CREAM	EXISTING TO BE DEMOLISHED

FOODSERVICE EQUIPMENT SCHEDULE - RELOCATED

ITEM NO	QTY	DESCRIPTION	EQUIPMENT REMARKS
E17	4	COFFEE SHUTTLE	EXISTING TO BE RELOCATED
E41	1	TRUCK, PLATFORM	EXISTING TO BE RELOCATED
E51	1	WORKTOP REFRIGERATOR	EXISTING TO BE RELOCATED
E52	1	SLICER	EXISTING TO BE RELOCATED
E53	1	REFRIGERATOR, SANDWICH/SALAD PREP	EXISTING TO BE RELOCATED
E55	2	WORKTOP REFRIGERATOR	EXISTING TO BE RELOCATED
E67	2	COLD PAN	EXISTING TO BE RELOCATED
E71	2	IPAD NUTRITION KIOSK	EXISTING TO BE RELOCATED
E72	2	WATER FILTER SYSTEM	EXISTING TO BE RELOCATED
E74	1	TEA URN	EXISTING TO BE RELOCATED
E75	1	MILK DISPENSER	EXISTING TO BE RELOCATED
E77	1	BEVERAGE DISPENSER	EXISTING TO BE RELOCATED
E78	2	COFFEE GRINDER	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
E82	2	POS, SELF-CHECKOUT	EXISTING TO BE RELOCATED
E84	1	GLASS DOOR MERCHANDISER REFRIGERATOR	EXISTING TO BE RELOCATED
E85	1	REACH-IN REFRIGERATOR	EXISTING TO BE RELOCATED
E86	1	GLASS DOOR MERCHANDISER REFRIGERATOR	EXISTING TO BE RELOCATED
E114	1	HOT/COLD WELL, DROP-IN	EXISTING TO BE RELOCATED
E115	1	HOT/COLD WELL, DROP-IN	EXISTING TO BE RELOCATED
E116	1	HOT/COLD WELL, DROP-IN	EXISTING TO BE RELOCATED
E127	2	P.O.S.	EXISTING TO BE RELOCATED

FOOD SERVICE DEMOLITION NOTES:

- THIS PLAN DEPICTS LOCATIONS OF FOODSERVICE EQUIPMENT AT THE TIME OF SURVEY AND IS TO BE USED AS A REFERENCE AND GUIDE TO THE MAIN KITCHEN RENOVATION.
- REFER TO SHEET 0100 FOR PROPOSED OVERALL EQUIPMENT PLAN.
- ALL EXISTING EQUIPMENT SCHEDULED FOR REUSE IN THE FACILITY IS COLOR-CODED FOR QUICK REFERENCE.
- ALL FOODSERVICE EQUIPMENT THAT IS SCHEDULED FOR REUSE SHALL BE TAGGED, REMOVED AND STORED IN A LOCATION PROVIDED BY THE GENERAL CONTRACTOR ON SITE. TRANSPORTATION OF EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR.
- ALL FOODSERVICE EQUIPMENT THAT IS SCHEDULED FOR REMOVAL SHALL BE TURNED OVER TO THE OWNER FOR DISPOSAL OR STORAGE AT THEIR DISCRETION.
- VERIFY AND DOCUMENT THE OPERATING CONDITION OF ALL RELOCATED EQUIPMENT PRIOR TO ITS BEING DISCONNECTED. DOCUMENT THE CONDITION OF THE EQUIPMENT TO NOTE ANY DENTS, SCRATCHES, BROKEN COMPONENTS OR OTHER DAMAGE PRIOR TO PLACING IT IN STORAGE. PROTECT EQUIPMENT DURING TRANSPORT AND STORAGE, AND ASSUME RESPONSIBILITY FOR ITS REINSTALLATION IN THE CONDITION VIEWED PRIOR TO REMOVAL. TRANSPORT AND INSTALL THE EQUIPMENT IN ACCORDANCE WITH ITEM SPECIFICATIONS.
- ALL EQUIPMENT, SUCH AS DROP-IN UNITS AND SNEEZE GUARDS, SCHEDULED FOR RE-USE IN MILLWORK COUNTERS SHALL BE FIELD VERIFIED BY KEC. KEC IS RESPONSIBLE FOR FURNISHING THE CORRECT PLACEMENT AND CUTOFF REQUIREMENTS TO MILLWORK CONTRACTOR FOR COMPLETE COORDINATION.
- THE KEC IS NOT RESPONSIBLE FOR REFURBISHING EQUIPMENT NOTED AS EXISTING ON PLANS OR SPECIFICATIONS UNLESS WORK IS SPECIFICALLY CALLED FOR IN THIS SECTION.
- ALL DISCONNECTING AND RECONNECTING OF SERVICES TO EXISTING EQUIPMENT SHALL BE PERFORMED BY RELATED TRADES.
- THE KEC SHALL NOT PROVIDE A WARRANTY OR GUARANTEE ON EXISTING EQUIPMENT. IN THE CASE OF A NEW COMPONENT BEING PROVIDED BY THE KEC FOR AN EXISTING PIECE OF EQUIPMENT, THE COMPONENT SHALL BE WARRANTED OR GUARANTEED AS SPECIFIED HEREIN BEFORE.



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CAFE RENOVATION
735 ANDERSON HILL RD
PURCHASE, NY 10577

PROJECT:

NO.		REVISIONS	
NO.	DATE	DESCRIPTION	

SEAL:

ISSUED FOR BID

ISSUED DATE: July, 26 2019

DRAWN BY: R. Schneider

CHECKED BY: Checker

PROJECT NUMBER: CW-0205.4.2

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DRAWING NAME:

FOODSERVICE DEMO SCHEDULE

DRAWING NO.

Q002

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EXISTING EQUIPMENT LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE RELOCATED

1 01-EQUIPMENT PLAN
3/16" = 1'-0"

TYPICAL: ALL EXISTING EQUIPMENT INDICATED "TO REMAIN" THROUGHOUT THE PROJECT MUST MAINTAIN CURRENT LOCATION AS INDICATED. KEC TO PROTECT THIS EQUIPMENT FROM DAMAGE DURING PROJECT AND THOROUGHLY CLEAN UPON COMPLETION OF PROJECT.

TYPICAL: ALL EXISTING EQUIPMENT INDICATED "TO BE RELOCATED" THROUGHOUT THE PROJECT MUST BE RELOCATED BY KEC AS INDICATED. KEC TO PROTECT THIS EQUIPMENT FROM DAMAGE DURING PROJECT AND THOROUGHLY CLEAN UPON COMPLETION OF PROJECT.

EXISTING EXHAUST HOOD TO REMAIN.
KEC TO PROTECT THIS EQUIPMENT FROM DAMAGE DURING PROJECT AND THOROUGHLY CLEAN UPON COMPLETION OF PROJECT.

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PROJECT: _____

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		REVISION 1	DESCRIPTION
1	Date 1	Revision 1	

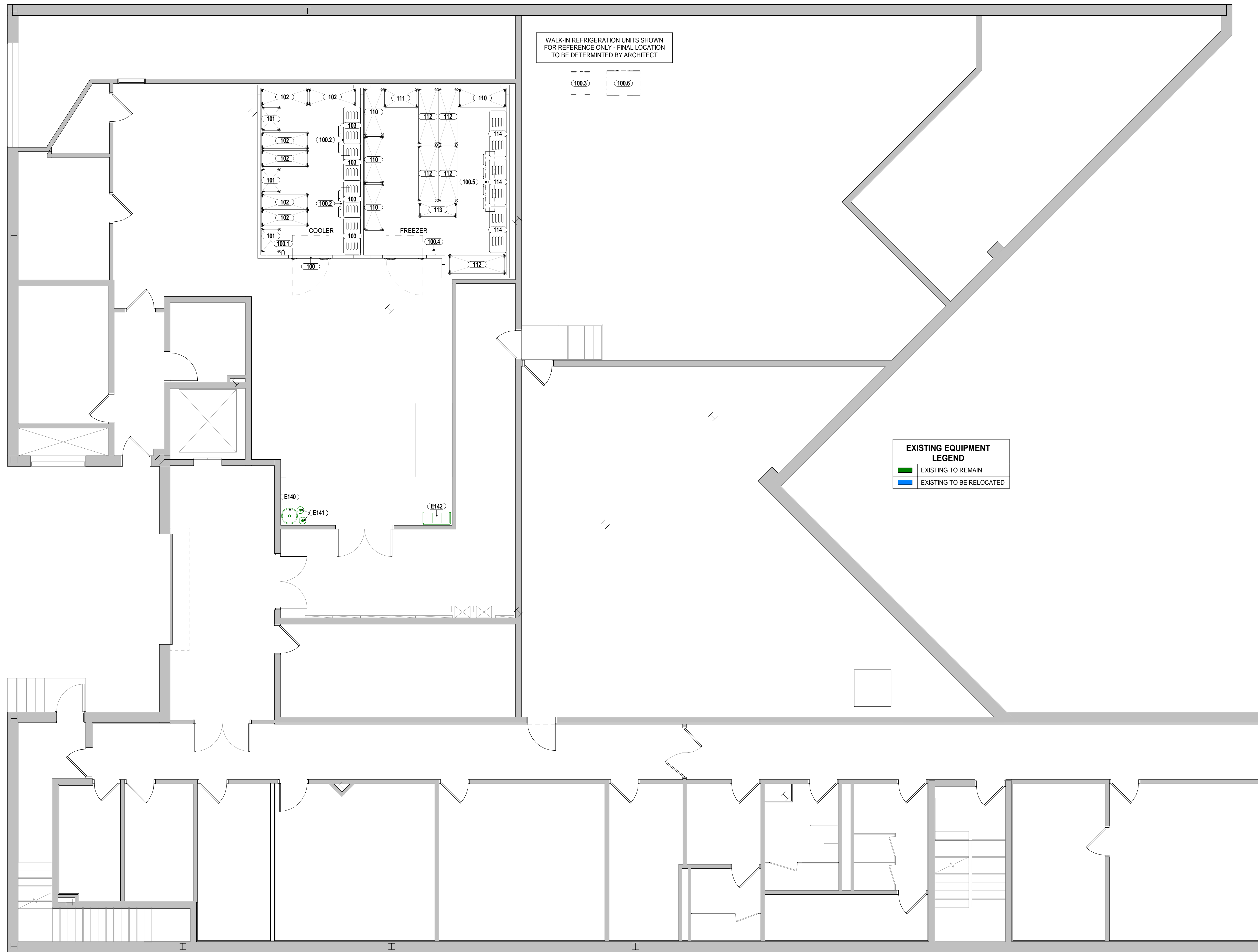
SEAL: _____

ISSUED FOR: BID
ISSUED DATE: July, 26 2019
DRAWN BY: R.Schneider
CHECKED BY: Checker
PROJECT NUMBER: CW-0205.4.2
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DRAWING NAME:
FOODSERVICE EQUIPMENT LAYOUT

DRAWING NO.
Q100

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1 01-EQUIPMENT PLAN - BASEMENT
3/16" = 1'-0"

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		DESCRIPTION	DESCRIPTION

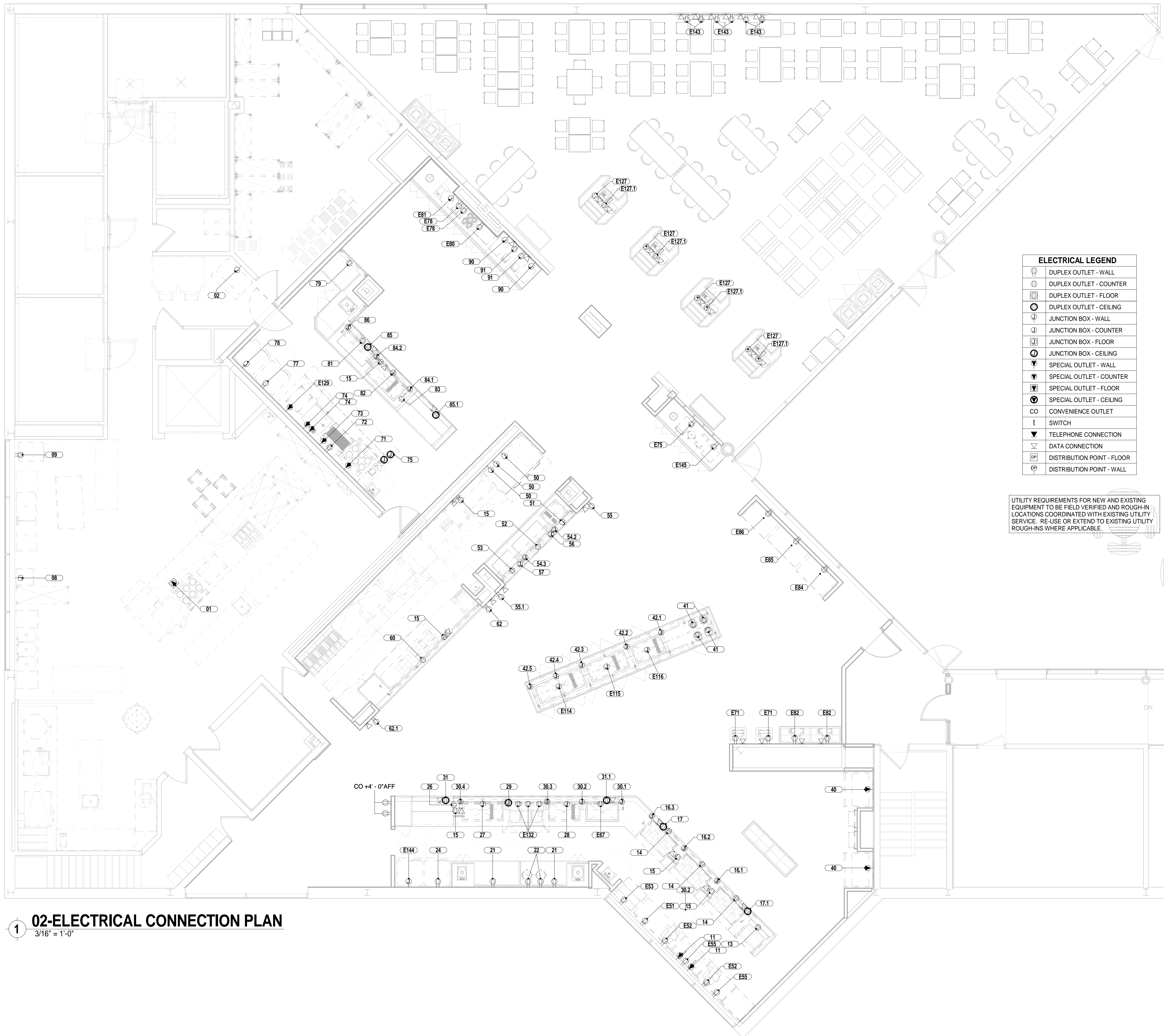
SEAL:

ISSUED FOR: BID
 ISSUED DATE: July, 26 2019
 DRAWN BY: R. Schneider
 CHECKED BY: Checker
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DRAWING NAME:
FOODSERVICE EQUIPMENT LAYOUT - BASEMENT

DRAWING NO.
Q101

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

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.

1 02-ELECTRICAL CONNECTION PLAN
3/16" = 1'-0"

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NO.	DATE	REVISIONS	
		REVISION 1	DESCRIPTION
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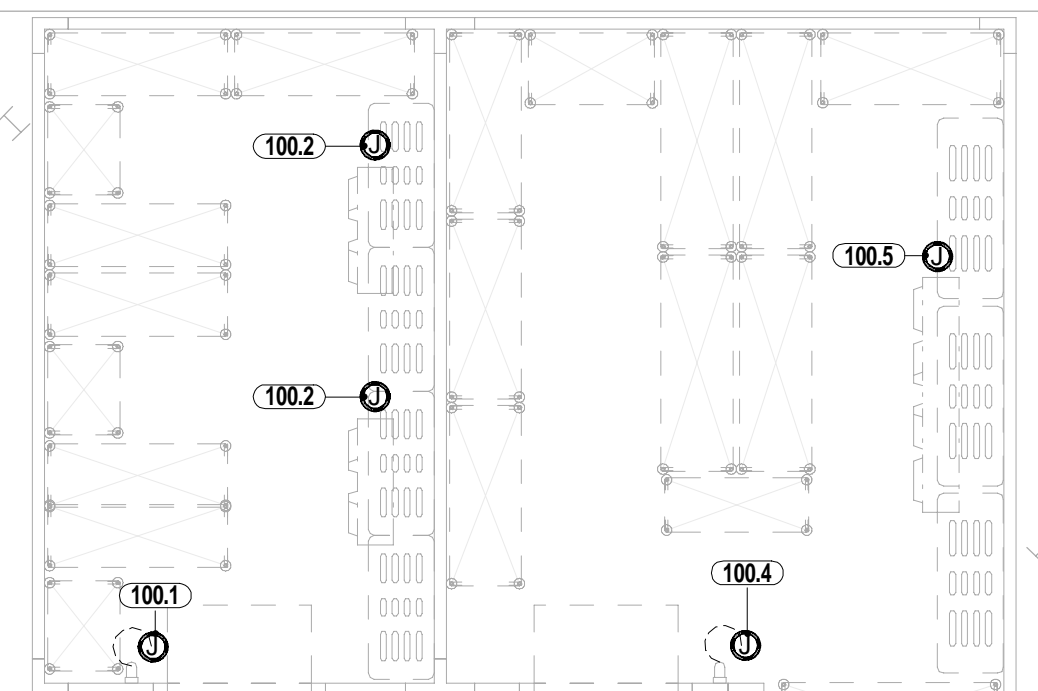
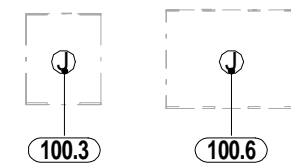
SEAL:

ISSUED FOR BID
ISSUED DATE: July, 26 2019
DRAWN BY: R.Schneider
CHECKED BY: Checker
PROJECT NUMBER: CW-0205.4.2
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DRAWING NAME:
FOODSERVICE ELECTRICAL CONNECTION LAYOUT

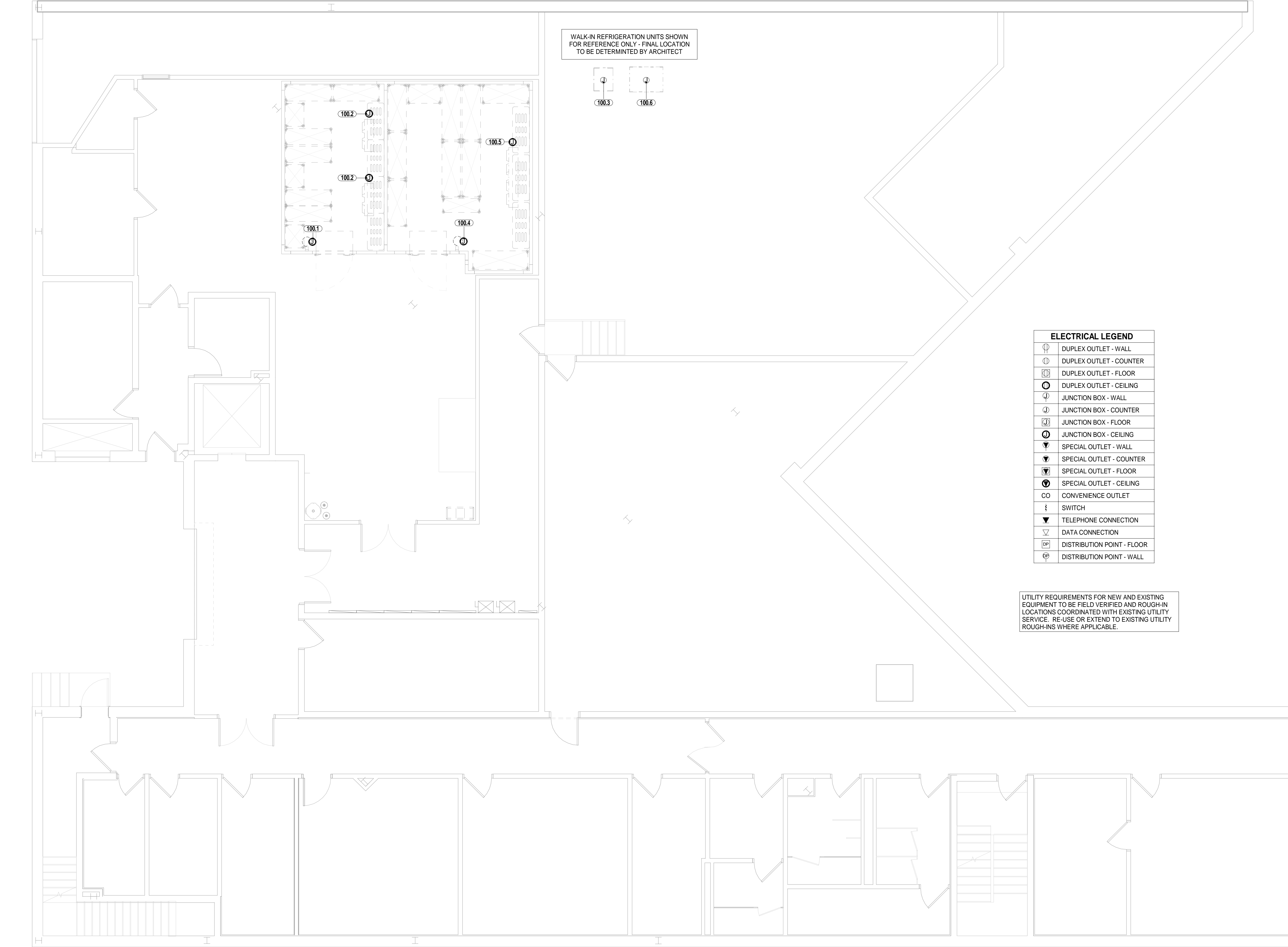
DRAWING NO.
Q200

WALK-IN REFRIGERATION UNITS SHOWN FOR REFERENCE ONLY - FINAL LOCATION TO BE DETERMINED BY ARCHITECT



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
CO	CONVENIENCE OUTLET
⊕	SWITCH
⊕	TELEPHONE CONNECTION
⊕	DATA CONNECTION
⊕	DISTRIBUTION POINT - FLOOR
⊕	DISTRIBUTION POINT - WALL

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.



02-ELECTRICAL CONNECTION PLAN - BASEMENT
3/16" = 1'-0"

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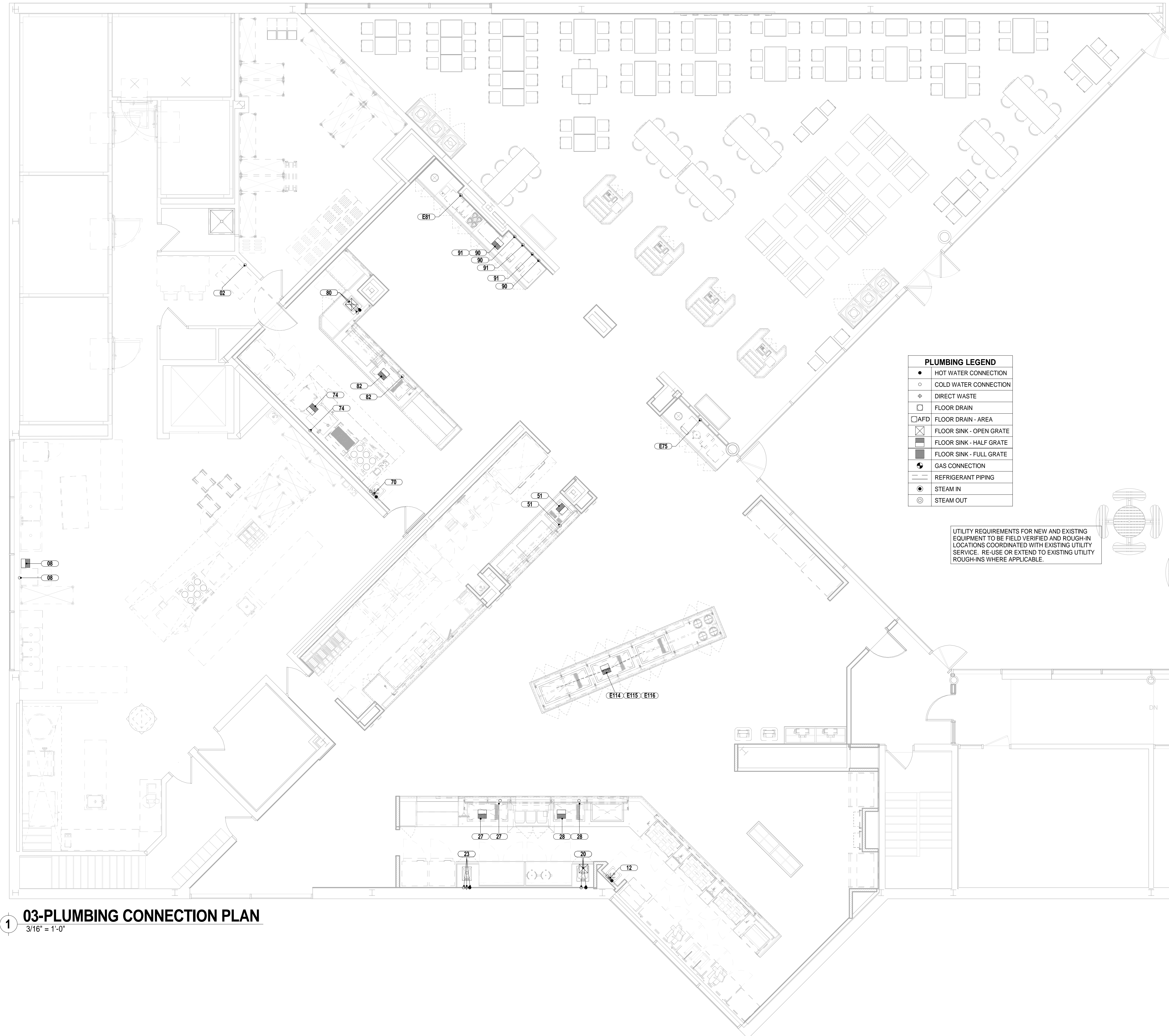
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DRAWING NAME:
FOODSERVICE ELECTRICAL CONNECTION LAYOUT - BASEMENT

DRAWING NO.
Q201



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

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REVISIONS

NO.	DATE	DESCRIPTION
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 PROJECT NUMBER: CW-0205.4.2
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DRAWING NAME:
**FOODSERVICE
 PLUMBING
 CONNECTION
 LAYOUT**

DRAWING NO.
Q300

WALK-IN REFRIGERATION UNITS SHOWN FOR REFERENCE ONLY - FINAL LOCATION TO BE DETERMINED BY ARCHITECT


100.5' x 100.2'

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.

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

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DRAWING NAME:
FOODSERVICE PLUMBING CONNECTION LAYOUT - BASEMENT

DRAWING NO.
Q301

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FOODSERVICE PLUMBING SCHEDULE														
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
02	1	ICE MAKER W/ BIN	3/8"	18"			1/2"	14"	3/4"	FS				DRAIN LINE TO BE ROUTED TO EXISTING DRAIN
08	1	UNDERCOUNTER DISHWASHER	3/4"	14"					1 1/2"	FS				
12	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1 1/2"	12"	1 1/2"	FS				
20	1	UTILITY SINK, DROP-IN	1/2"	14"	1/2"	14"			1 1/2"	FS				
23	1	HAND SINK, DROP-IN	1/2"	14"	1/2"	14"	1 1/2"	12"						
27	1	AUTO WATERFILL	1/2"	14"										
27	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE
28	1	AUTO WATERFILL	1/2"	14"										
28	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE
51	1	AUTO WATERFILL	1/2"	14"										
51	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE
70	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1 1/2"	12"						
74	1	OVEN-STEAMER, COMBI ELECTRIC	3/4"	14"					2"	FS				Water supply 25-85 psi. 1st & 3rd water are for steam generators, 2nd & 4th for condensers. Connect drain to high temp. piping.
80	1	UTILITY SINK, DROP-IN	1/2"	14"	1/2"	14"			1 1/2"	FS				
82	1	AUTO WATERFILL	1/2"	14"										
82	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE
90	2	ICE MAKER & DISPENSER	1/2"	14"					3/4"	FS				WATER FILTRATION SYSTEM
91	2	MULTI BEVERAGE DISPENSER	1/4"	14"					1"	FS				
100.2	2	EVAPORATOR COIL, COOLER							3/4"	FD				
100.5	1	EVAPORATOR COIL, FREEZER							3/4"	FD				
E75	1	MILK DISPENSER	1/4"	14"										
E81	1	THERMAL COFFEE BREWER, DOUBLE	1/4"	14"										ESTIMATED UTILITIES - FIELD VERIFY
E114	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE
E115	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE
E116	1	HOT/COLD PAN, DROP-IN							1"	FS				DRAIN SHUT-OFF VALVE

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 MANUFACTURER'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, TALLPIECES, VALVES, STOPS, SHUT-OFFS, 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 CONTRACTOR.
- 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 ADA 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 LOOSE FOR PLUMBER TO INSTALL 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 & 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.
- INDIRECT CONDENSATE DRAINLINES FOR WALK-IN COOLER/FREEZER TO BE PITCHED 4" PER 12" OF HORIZONTAL RUN AND TERMINATE IN A P-TRAP OVER FLOOR SINK.
- HEATER TAPE, WITH AN EFFECTIVE RATING OF 35 WATTS PER LINEAR FOOT, AND INSULATION OF ALL DRAINLINES WITHIN FREEZER COMPARTMENTS.
- 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.

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PROJECT:

NO.		REVISIONS	
DATE	REVISION	DESCRIPTION	
1	Revision 1		

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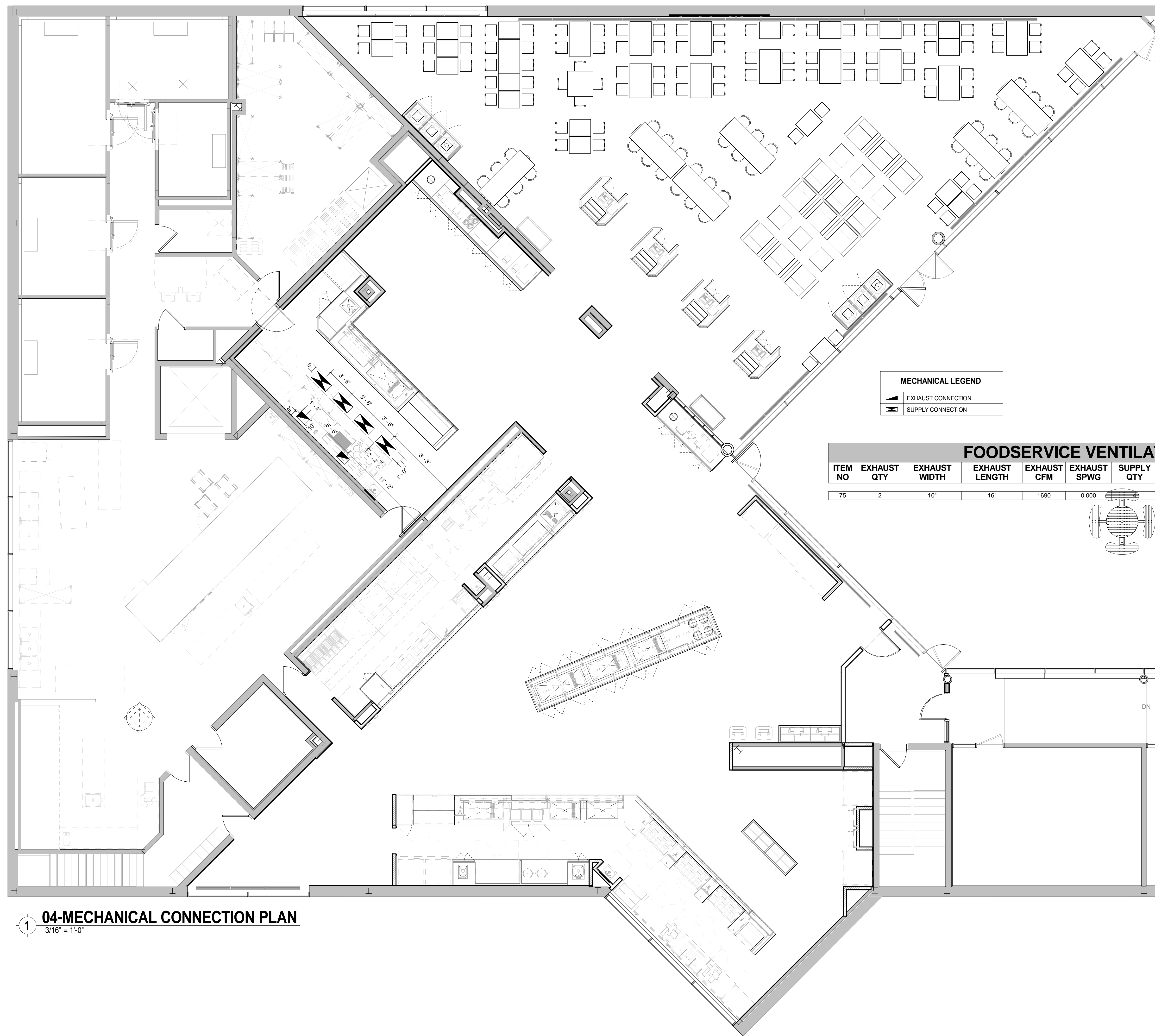
DRAWN BY: R. Schneider
 CHECKED BY: Checker
 PROJECT NUMBER: CW-0205.4.2

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DRAWING NAME:
FOODSERVICE PLUMBING CONNECTION SCHEDULE

DRAWING NO:
Q302

Plot Date: 7/22/2019 3:31:38 PM Dwg Filename: C:\Users\j.woodworth\Documents\SUNY_PURCHASE_HUB_FS_j.woodworth.rvt



1 04-MECHANICAL CONNECTION PLAN
3/16" = 1'-0"

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REVISIONS

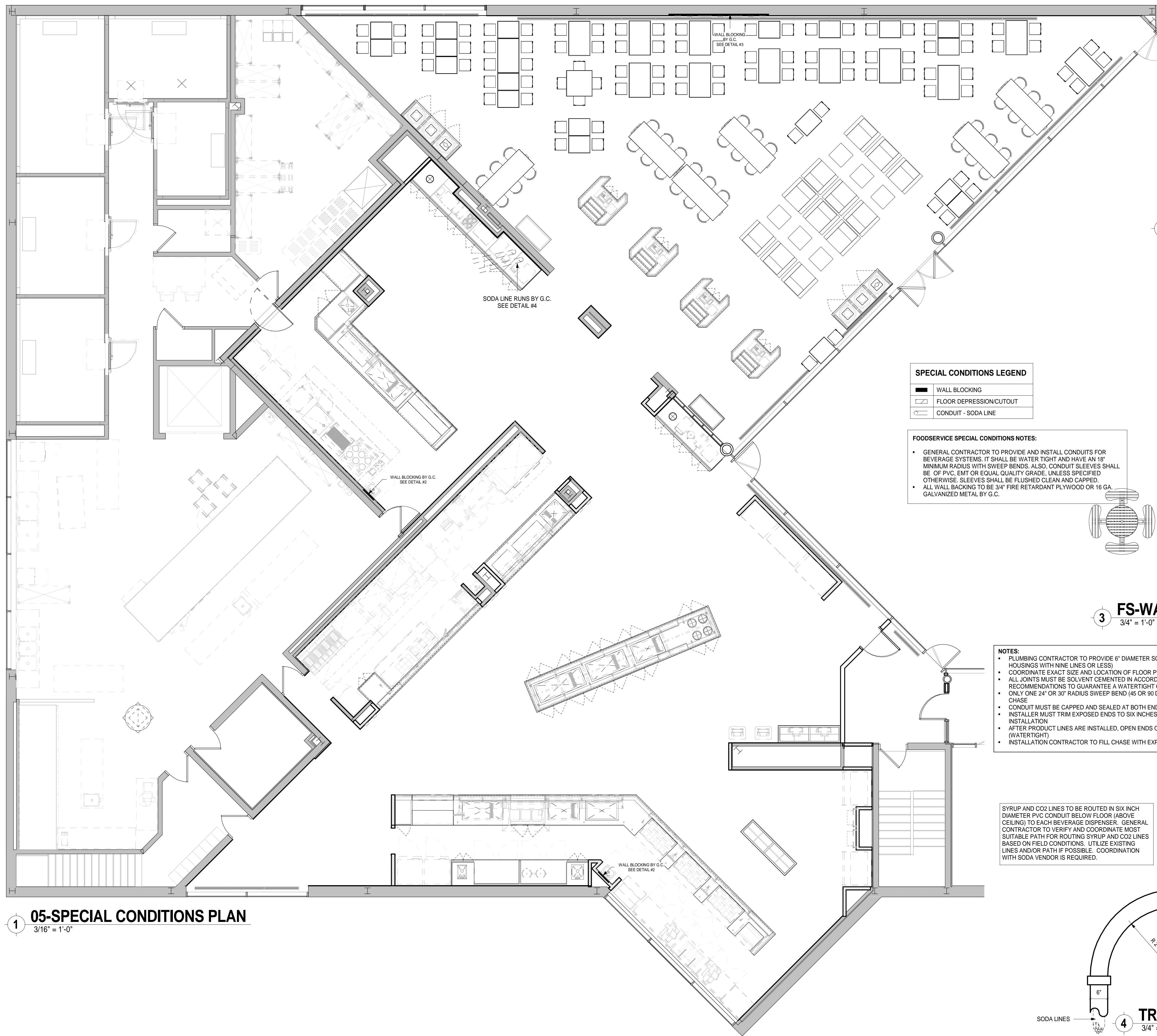
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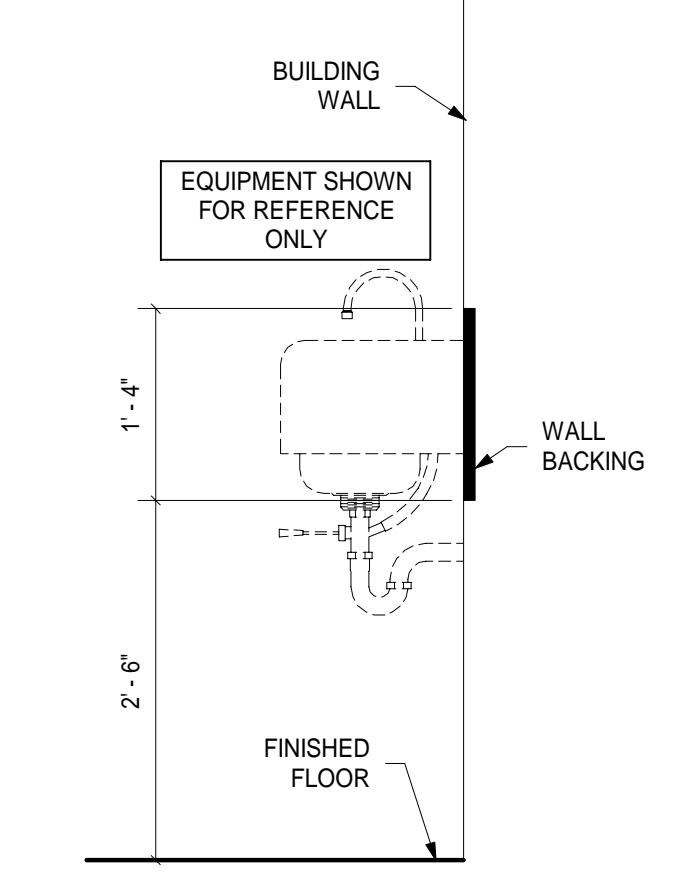
FOODSERVICE MECHANICAL LAYOUT

Q400

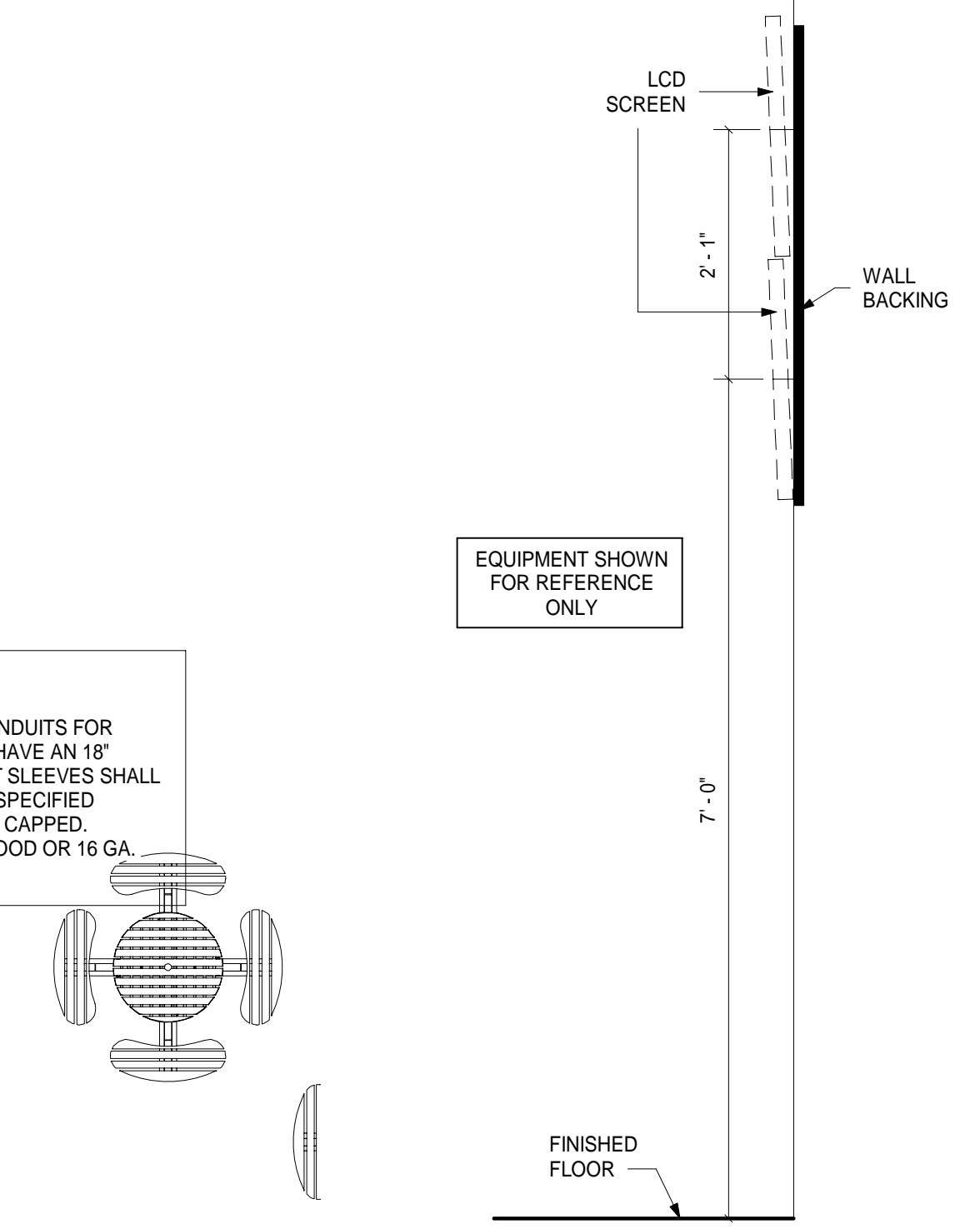
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2 WALL BACKING - HAND SINK
3/4" = 1'-0"



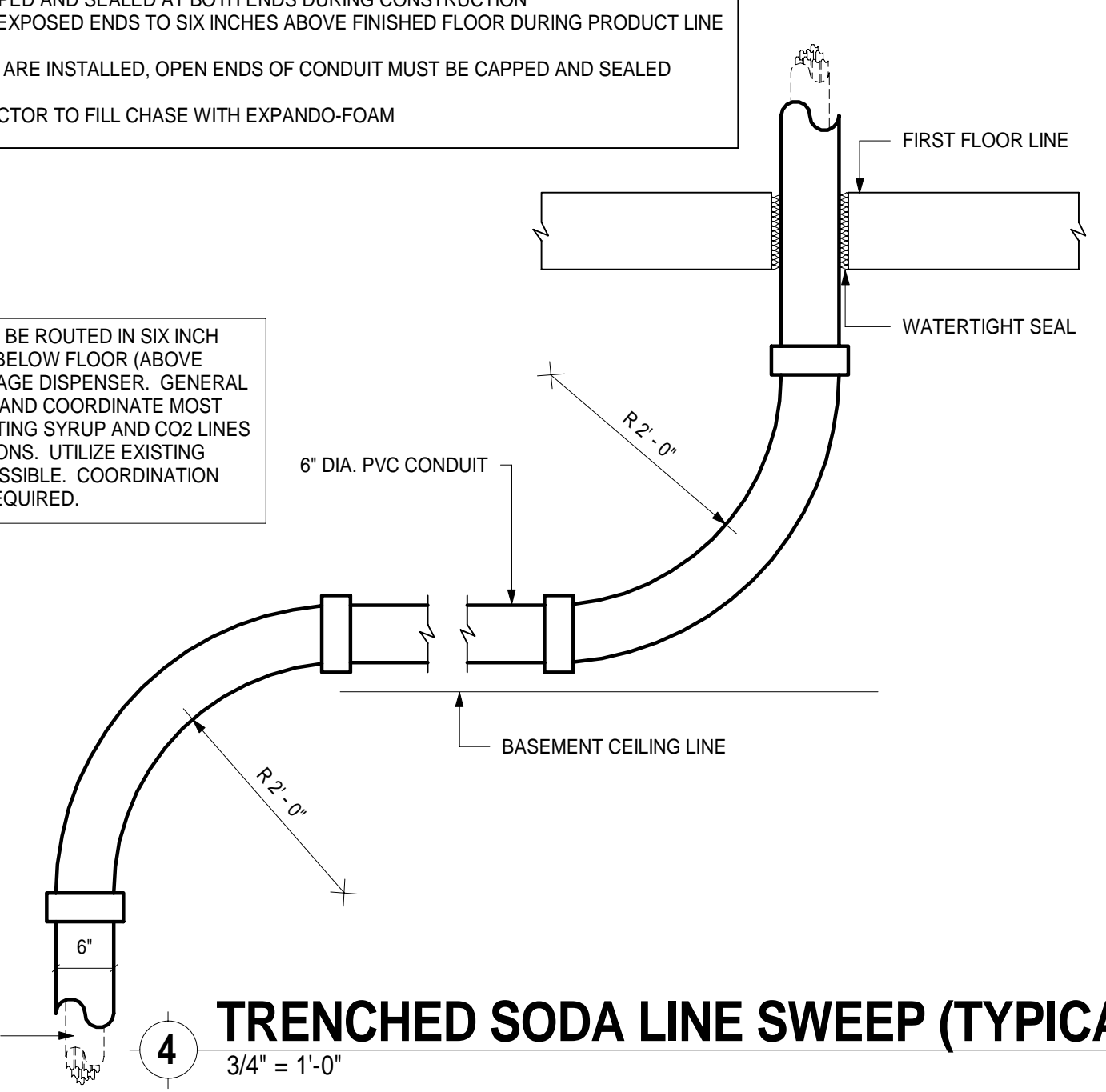
3 FS-WALL BACKING @ LCD SCREEN WALL
3/4" = 1'-0"



1 05-SPECIAL CONDITIONS PLAN
3/16" = 1'-0"

- NOTES:**
- PLUMBING CONTRACTOR TO PROVIDE 6" DIAMETER SCHEDULE 40 PVC WITH FITTINGS (FOR TRUNK HOUSINGS WITH NINE LINES OR LESS)
 - COORDINATE EXACT SIZE AND LOCATION OF FLOOR PENETRATION WITH BEVERAGE SUPPLIER
 - ALL JOINTS MUST BE SOLVENT CEMENTED IN ACCORDANCE WITH PVC MANUFACTURER'S RECOMMENDATIONS TO GUARANTEE A WATERTIGHT CHASE
 - ONLY ONE 24" OR 30" RADIUS SWEEP BEND (45 OR 90 DEGREE) MAY BE USED AT EACH END OF THE CHASE
 - CONDUIT MUST BE CAPPED AND SEALED AT BOTH ENDS DURING CONSTRUCTION
 - INSTALLER MUST TRIM EXPOSED ENDS TO SIX INCHES ABOVE FINISHED FLOOR DURING PRODUCT LINE INSTALLATION
 - AFTER PRODUCT LINES ARE INSTALLED, OPEN ENDS OF CONDUIT MUST BE CAPPED AND SEALED (WATERTIGHT)
 - INSTALLATION CONTRACTOR TO FILL CHASE WITH EXPANDO-FOAM

SYRUP AND CO2 LINES TO BE ROUTED IN SIX INCH DIAMETER PVC CONDUIT BELOW FLOOR (ABOVE CEILING) TO EACH BEVERAGE DISPENSER. GENERAL CONTRACTOR TO VERIFY AND COORDINATE MOST SUITABLE PATH FOR ROUTING SYRUP AND CO2 LINES BASED ON FIELD CONDITIONS. UTILIZE EXISTING LINES AND/OR PATH IF POSSIBLE. COORDINATION WITH SODA VENDOR IS REQUIRED.



4 TRENCHED SODA LINE SWEEP (TYPICAL)
3/4" = 1'-0"

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		DESCRIPTION	DESCRIPTION

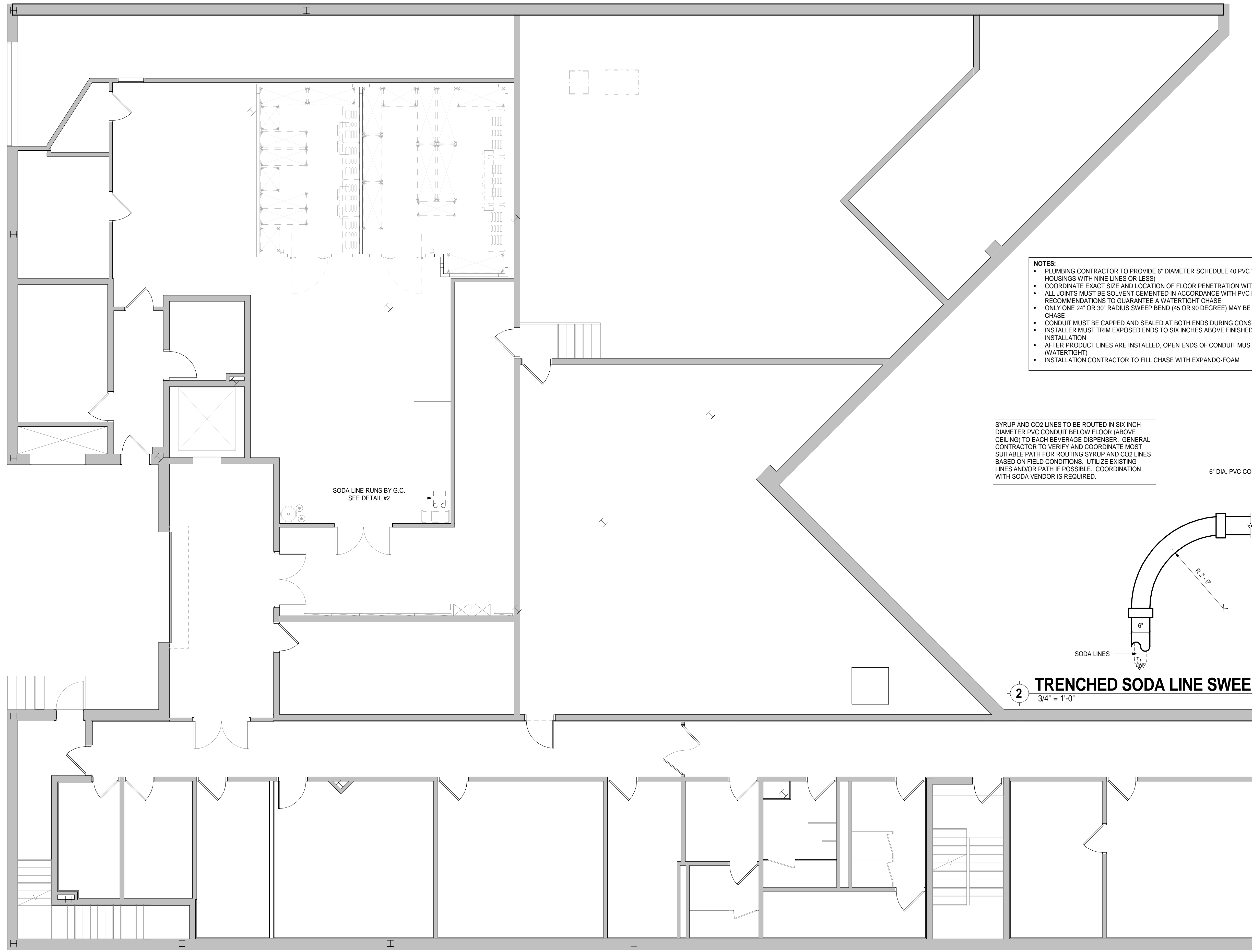
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FOODSERVICE SPECIAL CONDITIONS LAYOUT

DRAWING NO.
Q500

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- NOTES:**
- PLUMBING CONTRACTOR TO PROVIDE 6" DIAMETER SCHEDULE 40 PVC WITH FITTINGS (FOR TRUNK HOUSINGS WITH NINE LINES OR LESS)
 - COORDINATE EXACT SIZE AND LOCATION OF FLOOR PENETRATION WITH BEVERAGE SUPPLIER
 - ALL JOINTS MUST BE SOLVENT CEMENTED IN ACCORDANCE WITH PVC MANUFACTURER'S RECOMMENDATIONS TO GUARANTEE A WATERTIGHT CHASE
 - ONLY ONE 24" OR 30" RADIUS SWEEP BEND (45 OR 90 DEGREE) MAY BE USED AT EACH END OF THE CHASE
 - CONDUIT MUST BE CAPPED AND SEALED AT BOTH ENDS DURING CONSTRUCTION
 - INSTALLER MUST TRIM EXPOSED ENDS TO SIX INCHES ABOVE FINISHED FLOOR DURING PRODUCT LINE INSTALLATION
 - AFTER PRODUCT LINES ARE INSTALLED, OPEN ENDS OF CONDUIT MUST BE CAPPED AND SEALED (WATERTIGHT)
 - INSTALLATION CONTRACTOR TO FILL CHASE WITH EXPANDO-FOAM

SYRUP AND CO2 LINES TO BE ROUTED IN SIX INCH DIAMETER PVC CONDUIT BELOW FLOOR (ABOVE CEILING) TO EACH BEVERAGE DISPENSER. GENERAL CONTRACTOR TO VERIFY AND COORDINATE MOST SUITABLE PATH FOR ROUTING SYRUP AND CO2 LINES BASED ON FIELD CONDITIONS. UTILIZE EXISTING LINES AND/OR PATH IF POSSIBLE. COORDINATION WITH SODA VENDOR IS REQUIRED.

SODA LINE RUNS BY G.C. SEE DETAIL #2

2 TRENCHED SODA LINE SWEEP (TYPICAL)
3/4" = 1'-0"

1 05-SPECIAL CONDITONS PLAN - BASEMENT
3/16" = 1'-0"

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DRAWING NAME:
**FOODSERVICE
 SPECIAL
 CONDITIONS
 LAYOUT**

DRAWING NO.
Q501

HOOD INFORMATION - Job#3530613

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		5424 ND-2-PSP-F	13' 0"	600 Deg.	3380	10"	16"	4"	1690	1521	-0.735"	2704	304 SS	Where Exposed	ALONE	ALONE

PATENT NUMBERS

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

HOOD INFORMATION

HOOD NO.	TAG	FILTER(S)				LIGHT(S)		WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES	FIRE SYSTEM PIPING	HOOD HANGING WGT	
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.				TYPE	TYPE					SIZE
1		Captrate Solo Filter	9	20"	16"	85% See Filter Spec.	4	12" x 12" LED	NO	Left	12"x54"x24"	Ansul R102	3.0	SC-01110FP	1 Light 1 Fan	YES	996 LBS

HOOD OPTIONS

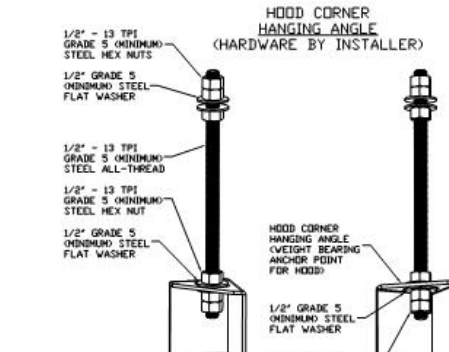
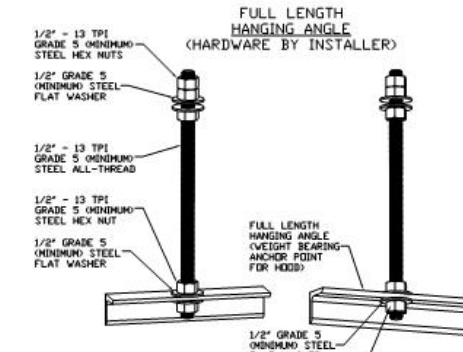
HOOD NO.	TAG	FIELD WRAPPER	18.00' High	OPTION	
				FRONT, LEFT, RIGHT	BACKSPLASH
1		BACKSPLASH	122.00' High X 204.00' Long	304 SS	Vertical
		RIGHT VERTICAL END PANEL	27" Top Width, 21" Bottom Width, 80" High	Insulated 304 SS	
		LEFT VERTICAL END PANEL	27" Top Width, 21" Bottom Width, 80" High	Insulated 304 SS	

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	RISER(S)					
						TYPE	WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	168"	18"	6"	MUA	12"	28"		676	0.174"
						MUA	12"	28"		676	0.174"
						MUA	12"	28"		676	0.174"
						MUA	12"	28"		676	0.174"

Fire System Information - Job#3530613

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0	6	Fire Cabinet Left	Left

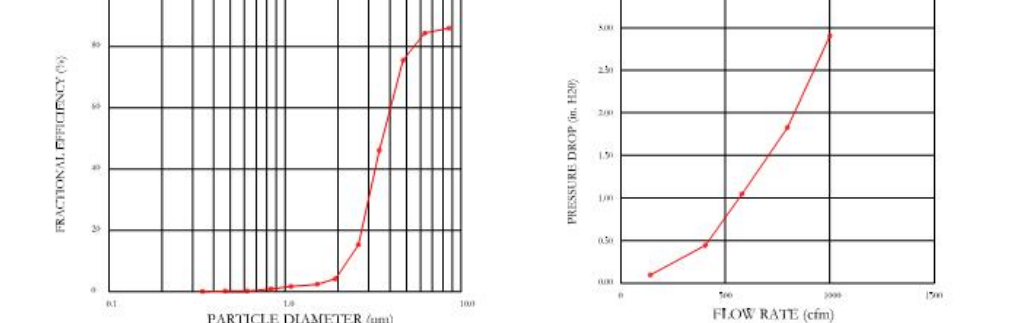


SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER

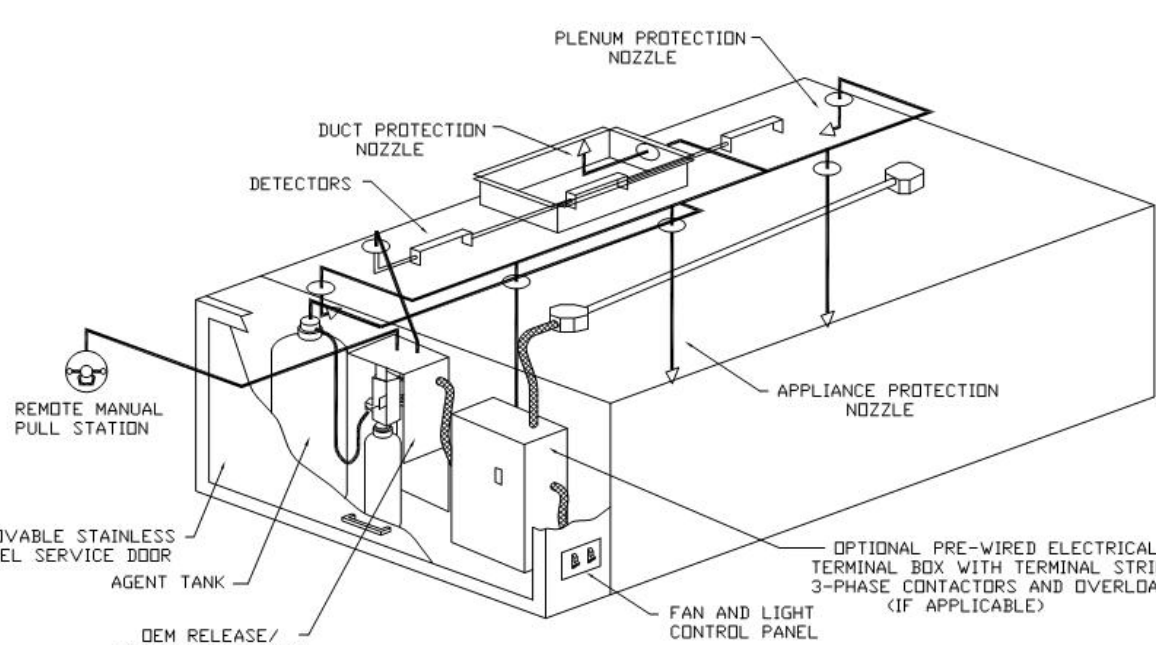
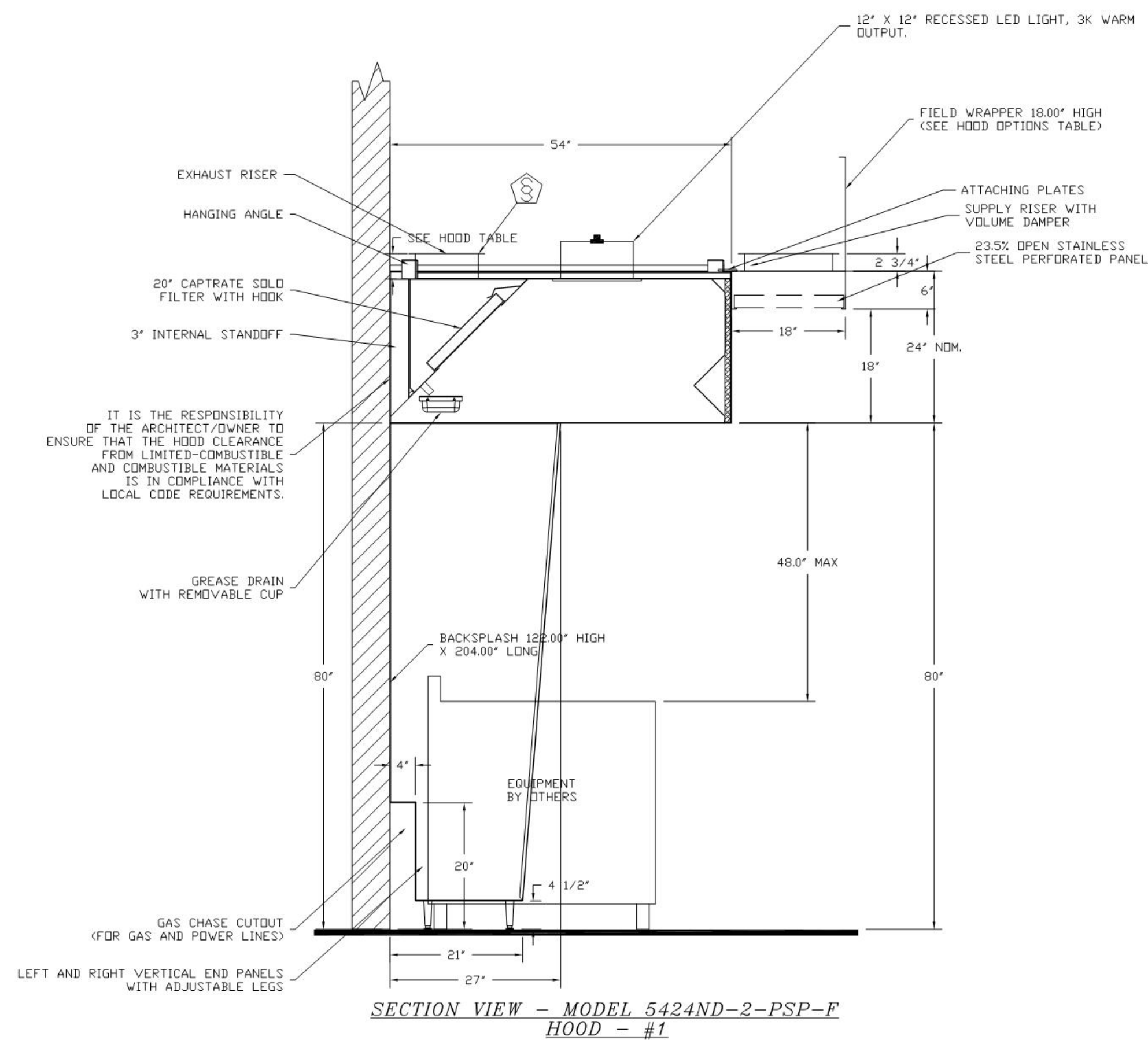
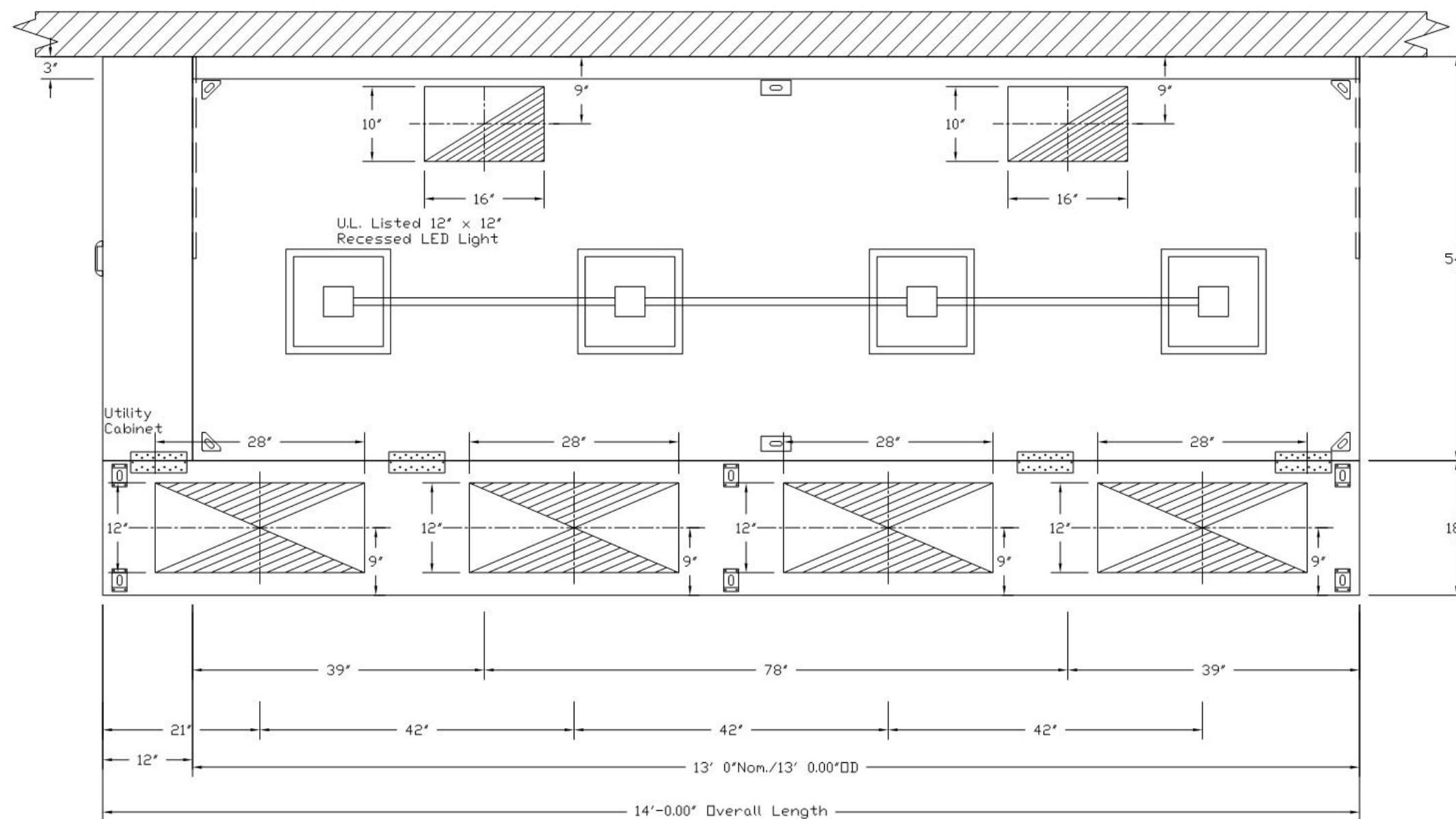
THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY. FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S). UNITS SHALL 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.



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
 NFPA 96B
 NSF STANDARD #2
 UL STANDARD #3046
 INT. MECH. CODE (IMC)
 ULC-5649



FOR QUESTIONS, CALL THE CHARLOTTE, NORTH CAROLINA OFFICE
 EVAN ZIPPERER
 PHONE: 919-719-7636
 EMAIL: reg30@captiveaire.com

CAPTIVE-AIRE HOODS ARE ETL LISTED AND LABELED IN COMPLIANCE WITH

 NFPA #96
 NSF
 UL 710 & UL710 STANDARDS
 E.T.L. LISTED 3054804-001

REVISIONS

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Suny Purchase - The Hub
 PURCHASE, NY, 10577

DATE: 8/29/2018
DWG.#: 3530613
DRAWN BY: evan.zipperer
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
 1

PROJECT:
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 CAFE RENOVATION
 735 ANDERSON HILL RD
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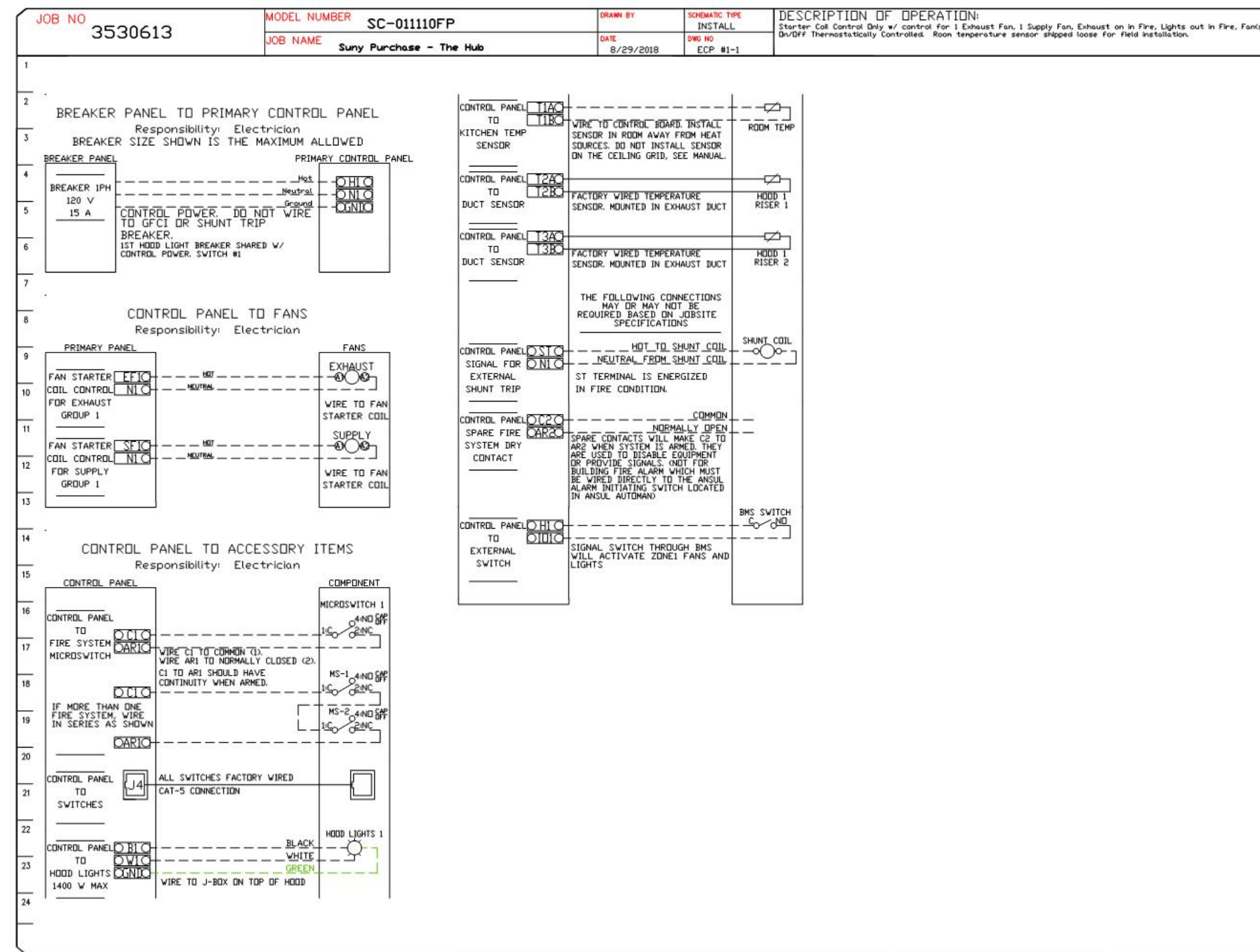
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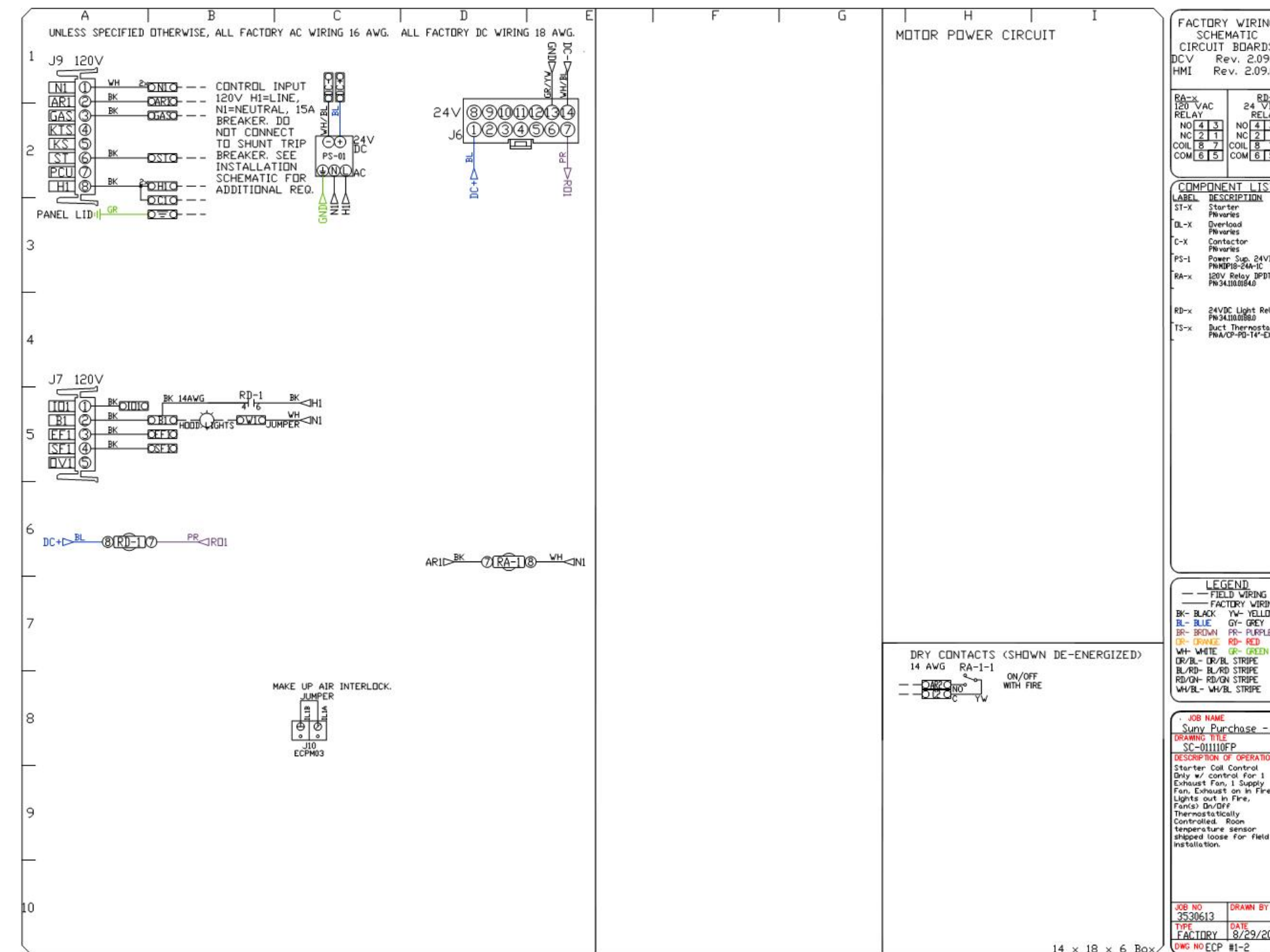
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HOOD DETAIL
 DRAWING NO.
Q600

ELECTRICAL PACKAGE - Job#3530613

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED		
				LOCATION	QUANTITY		TYPE	#	H.P.
1		SC-01110FP	Utility Cabinet Left	U3 - Utility Cabinet	1 Light	Smart Controls Thermostatic Control			
				Hood # 1	1 Fan				



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



REVISIONS

NO.	DATE	DESCRIPTION

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 Piedmont Area Office
 6905 Carmel Road, Suite #105, Charlotte, NC, 28226 PHONE: (704) 844-9088 FAX: (919) 227-5952 EMAIL: reg30@captiveaire.com

Sunny Purchase - The Hub
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DATE: 8/29/2018
DWG.#: 3530613
DRAWN BY: evan.zipperer
SCALE: 3/4" = 1'-0"
MASTER DRAWING

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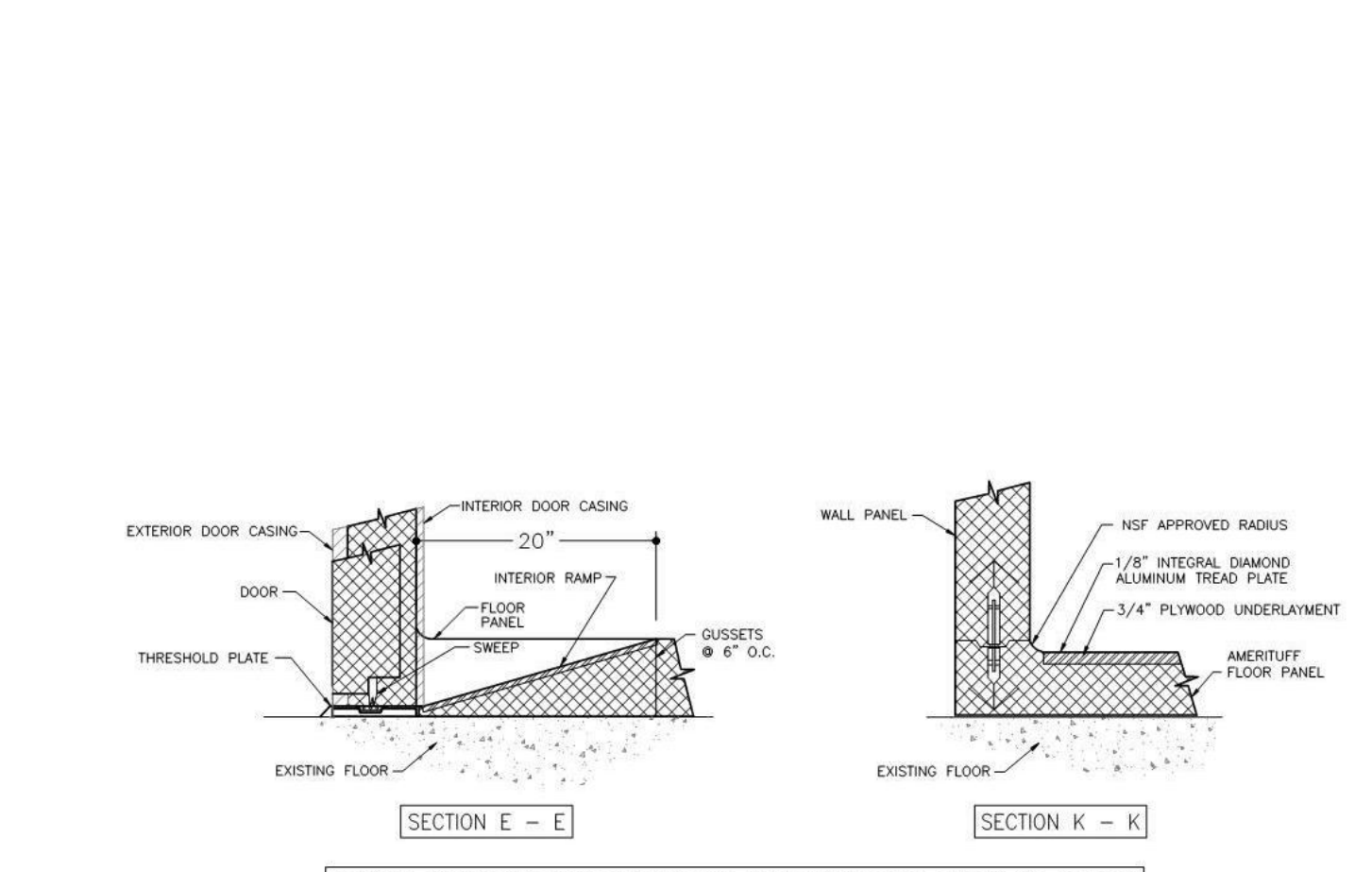
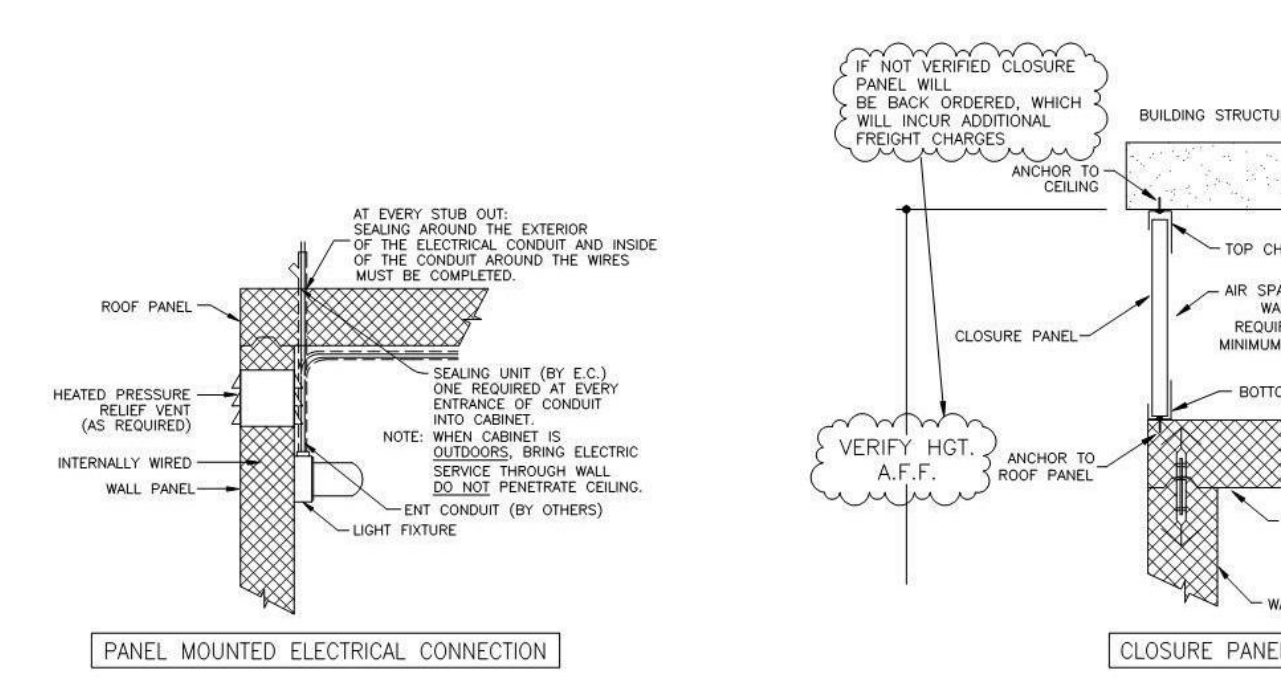
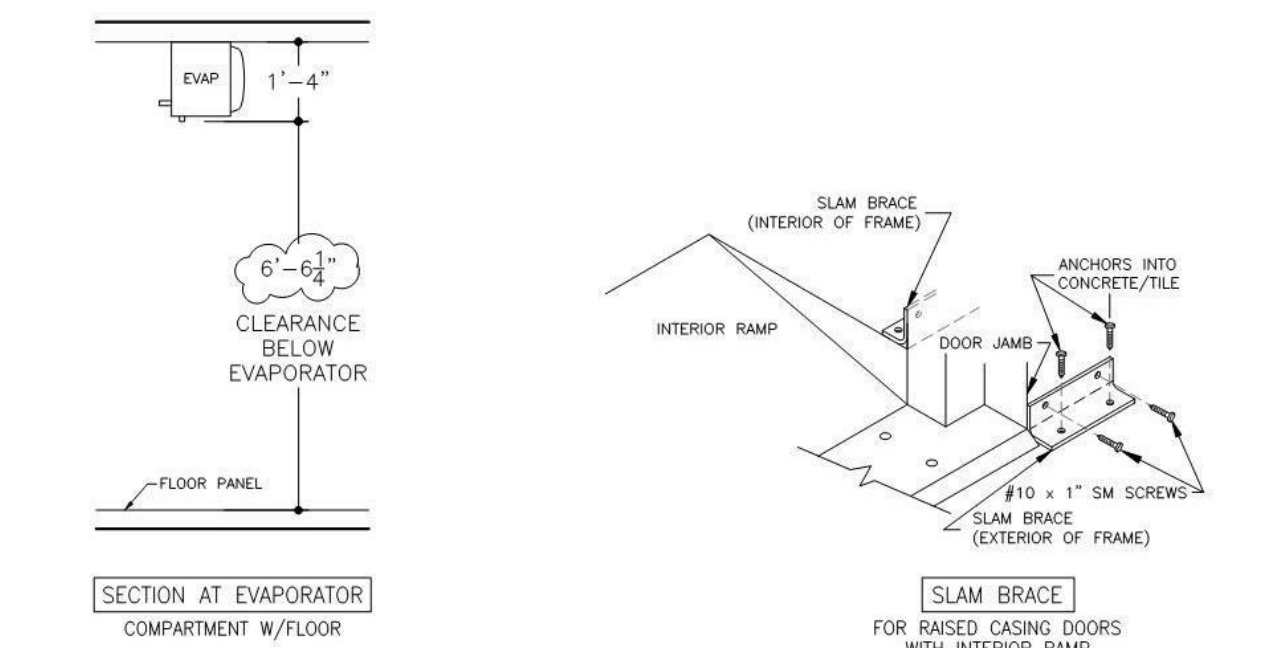
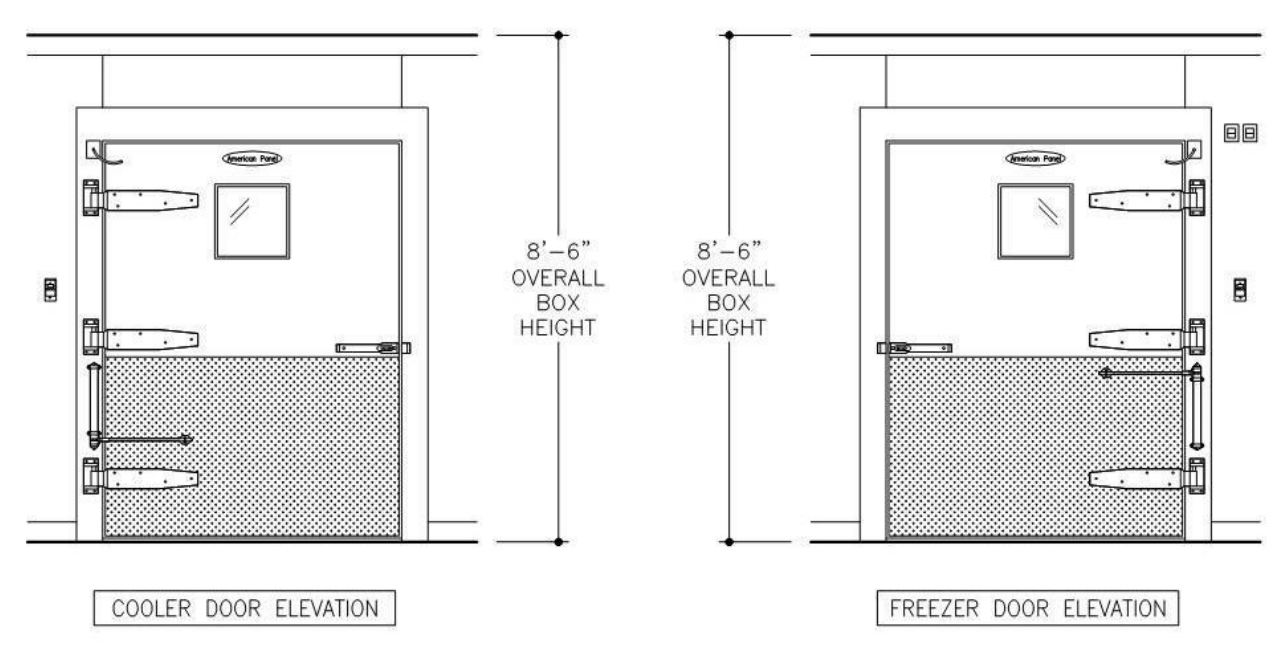
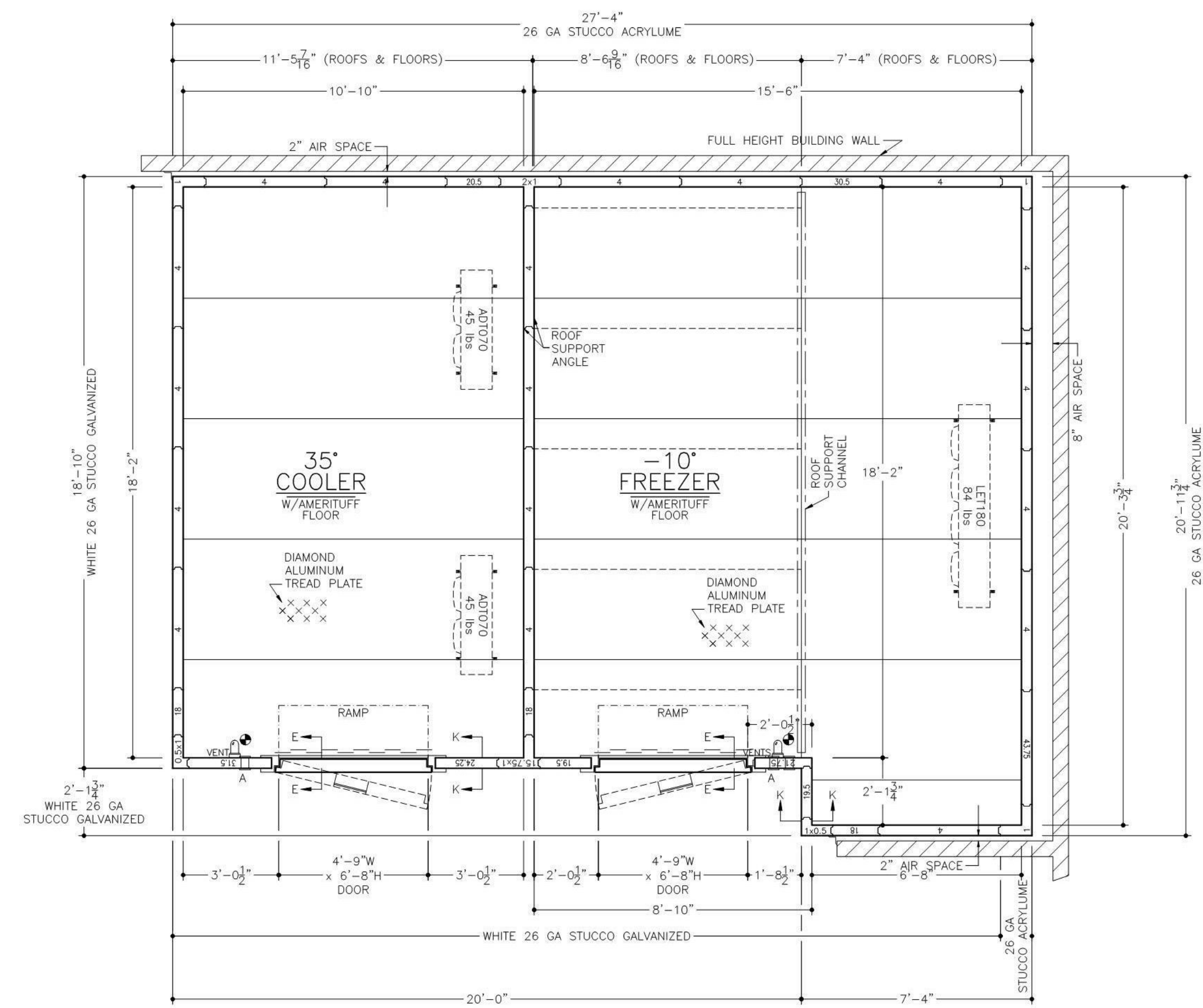
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NO.	DESCRIPTION

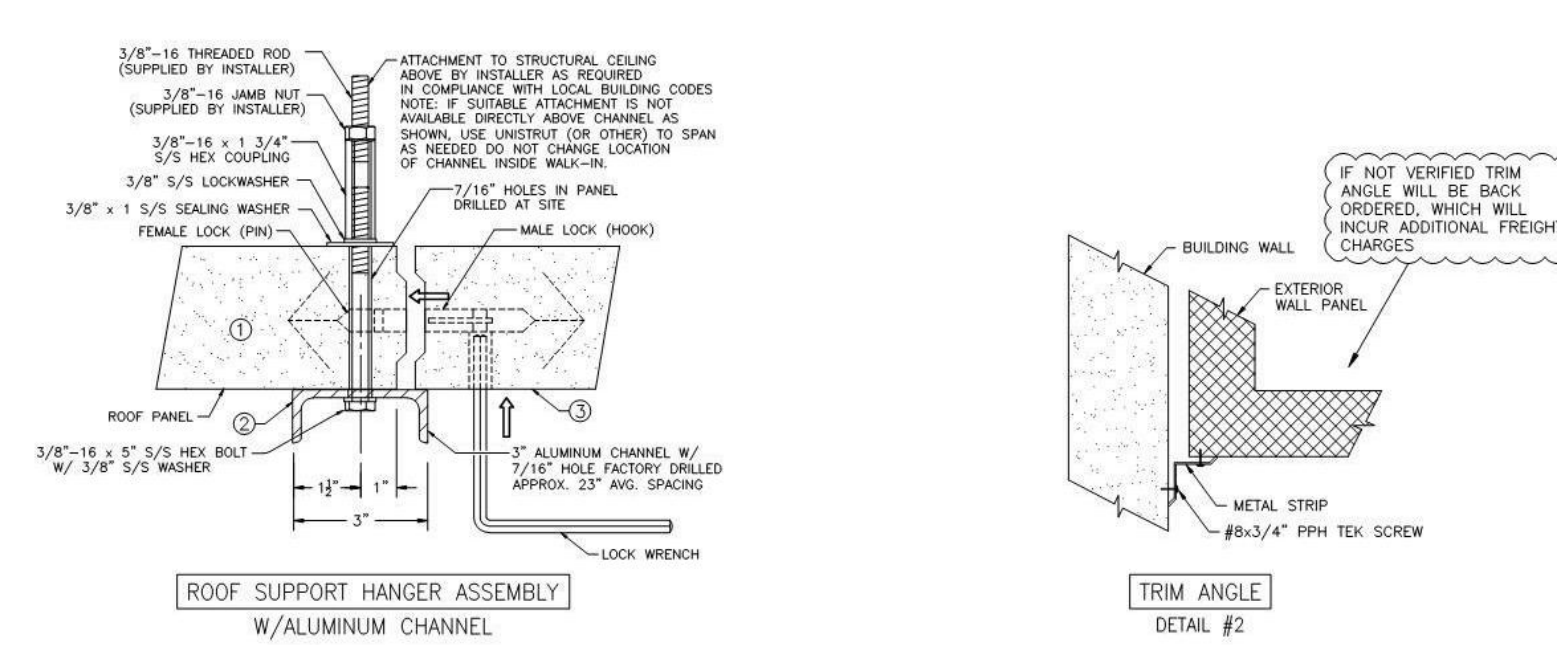
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 DRAWING NAME:
HOOD DETAIL
 DRAWING NO.
Q601

SUNY PURCHASE COLLEGE

CAFE RENOVATION
 735 ANDERSON HILL RD
 PURCHASE, NY 10577



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.



1. POSITION MALE-ENDED ROOFS AND PROVIDE TEMPORARY SUPPORT TO HOLD LEVEL.
2. INSTALL CHANNEL AND SUPPORT FROM BUILDING AS INDICATED.
3. INSTALL FEMALE-ENDED ROOFS AS INDICATED, AND ENGAGE MALE LOCK TO FEMALE LOCK.

BOX HEIGHT: ~SPECIFICATIONS~
 FREEZER - 8'-6" OVERALL (7'-10 1/4" INTERIOR)
 COOLER - 8'-6" OVERALL (7'-10 1/4" INTERIOR)

CONSTRUCTION:
 NSF LISTED, STANDARD NO. 7
 INSULATION:
 4" URETHANE, FINISHED PANEL
 UL CLASSIFIED FLAME SPREAD 20
 CORE SMOKE DEVELOPED 300

INSTALLATION:
 OUTDOORS UNDER COVER

FLOOR:
 (SEE DETAILS)
 FREEZER - AMERTUFF STRUCTURAL FLOOR W/INTERIOR RAMP
 1/8" INTERNAL DIAMOND ALUMINUM TREAD PLATE
 3/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT
 COOLER - AMERTUFF STRUCTURAL FLOOR W/INTERIOR RAMP
 1/8" INTERNAL DIAMOND ALUMINUM TREAD PLATE
 3/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT

DOOR HARDWARE & ACCESSORIES (EACH DOOR):
 HEAVY DUTY L-SHAPED WOOD RASSED CASING DOOR
 DEARBOLT HANDLE W/KEYED CYLINDER LOCK, PADLOCK
 PROVISION & QUARTER TURN INSIDE RELEASE
 FRAME HEATER WIRE
 KASON #1097 SPRING LOADED DOOR CLOSER
 STRIP CURTAIN
 MAGNETIC DOOR SWITCH
 3 - KASON #1277 CAM RISE HINGES
 2 - STD. CAM RISE HINGES (MEAT COOLER DOOR ONLY)
 HEATED VISION WINDOW (14" x 14")
 1/2" DIAMOND ALUMINUM TREAD PLATE KICKPLATES @ 36" HIGH 1/5 & 0/5
 SLAM BRACES
 KASON SCREW-IN VAPOR PROOF LIGHT FIXTURE
 W/8.5 WATT SYLVANIA LED BULB & GLOBE (MEAT COOLER DOOR ONLY)

PANEL MOUNTED ACCESSORIES:
 2 - AUDIO VISUAL TEMPERATURE ALARMS (MODULARM #75LC) W/25' PROBES
 2 - KASON SCREW-IN VAPOR PROOF LIGHT FIXTURES
 W/8.5 WATT SYLVANIA LED BULBS & GLOBES
 3 - KASON #1002 PRESSURE RELIEF VENTS (2 FREEZER & 1 COOLER) - FIELD INTERCONNECTION REQUIRED
 (FOAMED IN PANEL - PER PLAN)

ACCESSORIES:
 2 - PCS. TRIM ANGLE
 12 - 48" (CEILING) LED LIGHT FIXTURES @ 40w EACH
 ROOF SUPPORT ANGLE W/BEAUTY TRIM
 CLOSURE PANEL TO AN EXISTING CEILING (PER PLAN)
 ROOF SUPPORT CHANNEL

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 - AMERTUFF STRUCTURAL FLOOR
 1/8" INTERNAL DIAMOND ALUMINUM TREAD PLATE
 3/4" AC PLYWOOD UNDERLAYMENT, FIBERGLASS GRATING SUPPORT

REFRIGERATION:
 U.L. LISTED, AIR COOLED, OUTDOORS
 MEAT COOLER
 CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC-SCROLL
 6.00 HP, MODEL NO. FFAP-0202 (R-449A)
 EVAPORATOR: 1 - MODEL NO. LET180 W/E.C. MOTORS
 PRODUCE COOLER
 CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC-SCROLL
 2.00 HP, MODEL NO. FFAP-0202 (R-449A)
 EVAPORATOR: 2 - MODEL NO. AD1070 W/E.C. MOTORS

REFRIGERATION ACCESSORIES:
 2 - WINTERIZATION CONTROLS/JASA
 2 - COMPRESSOR COVERS
 2 - COMPRESSOR MOUNTING STANDS
 2 - DEFROST TIMERS

NOTE: THE LARGEST DOOR PANEL ON THIS JOB IS 70.75" x 87.5".
 THE LARGEST CEILING FLOOR PANEL ON THIS JOB IS 48" x 137.5".
 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

FREEZER	CONDENSING UNIT: 208-230V/60/3ø 33.5 UNIT AMPACITY
EVAPORATOR:	208-230V/60/1ø 2.4 AMPS
COOLER	CONDENSING UNIT: 208-230V/60/3ø 13.9 UNIT AMPACITY
EVAPORATOR:	208-230V/60/1ø 2.0 AMPS (PER SET OF TWO)
WALK-IN DOORS:	115v/1ø = 350w*

POWER FOR EVAPORATOR CIRCUIT IS SUPPLIED FROM CONDENSING UNIT

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

FREEZER DOOR		
DOOR FRAME KW/HY/DAY	3.216	
COOLER DOOR		
DOOR FRAME KW/HY/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

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

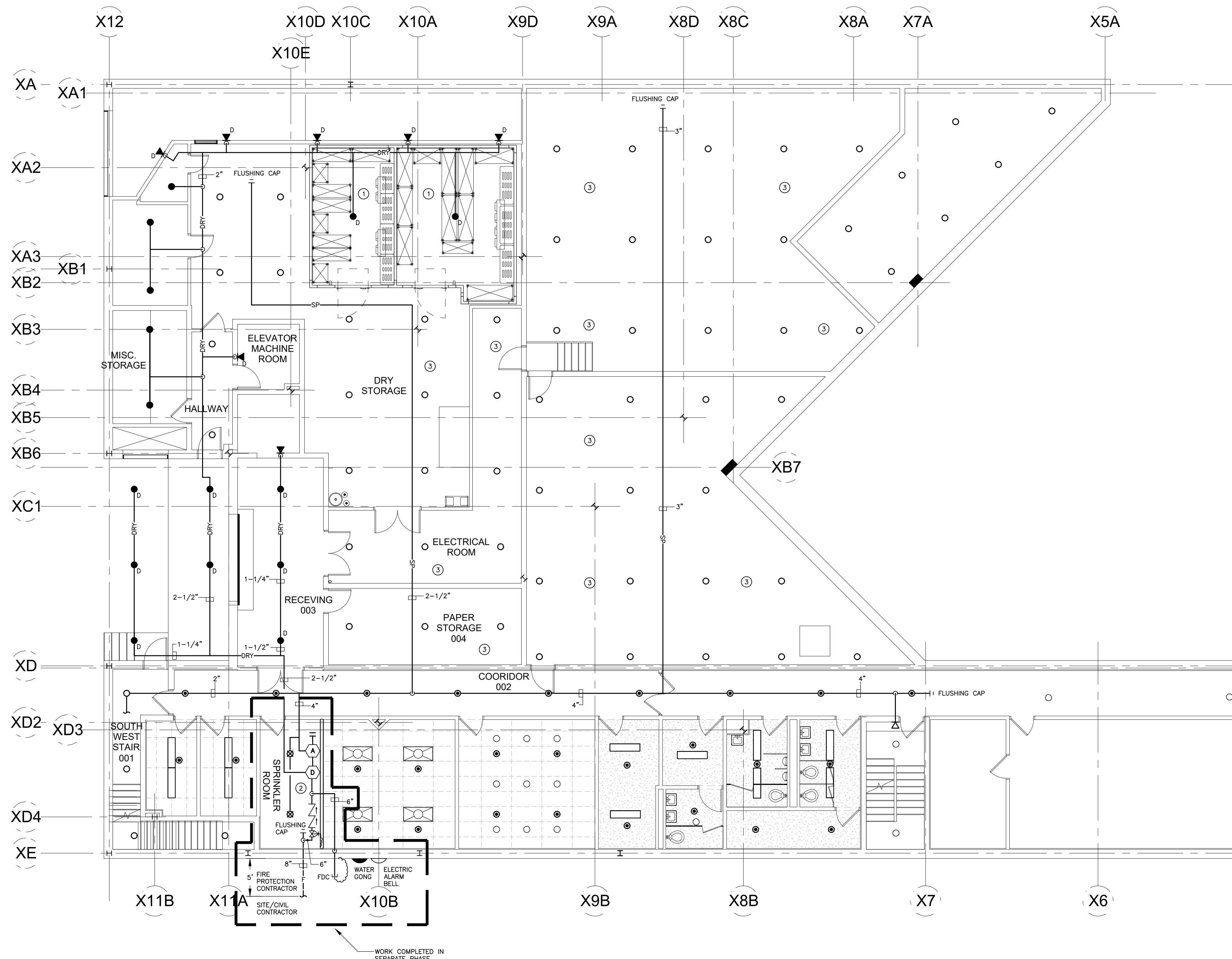
A 9/14/18 REVISED WALK-IN TO NEW LAYOUT MS RB
 REV DATE DESCRIPTION REV BY DWS BY

AMERICAN PANEL CORPORATION
 5800 S.E. 78th St. Ocala, Florida 34472
 Ph. (352) 245-1055 Fax (352) 245-0728

CUSTOMER: VISION BUILDERS
 PROJECT: SUNY PURCHASE - NEW YORK CITY, NY
 DATE: 1/29/18 DRAWN BY: S.S./PH
 SCALE: 3/8"=1'-0" PROPOSAL#: 205750 JOB#: SHEET: 2 of 3

- 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.
- 3) All site preparation, floor or slab construction, plumbing, electrical connections (including control wiring) by others.
- 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.
- 6) This drawing and information contained herein are the exclusive property of American Panel Corporation. It shall be returned to American Panel Corporation upon demand and shall not be reproduced in whole or part, disclosed to anyone else, or used without the written consent of American Panel Corporation.

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

- DRAWING NOTES**
- ① CONTRACTOR SHALL PROVIDE FIRE PROTECTION ABOVE FREEZER EQUIPMENT AND INSIDE EQUIPMENT PER NFPA 13 REQUIREMENTS.
 - ② REFER TO DETAILS FOR ADDITIONAL PIPING REQUIREMENTS.
 - ③ CONTRACTOR SHALL FIELD VERIFY EXISTING DUCTWORK IN CEILING AND PROVIDE ADDITIONAL SPRINKLER HEADS ABOVE DUCTWORK AND BELOW DUCTWORK AS REQUIRED PER NFPA 13.

ARCHITECT:
PHASE ZERO DESIGN
8 WILCOX STREET
SIMSBURY, CONNECTICUT 06070
PHONE: (860) 264-1624
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SUNY PURCHASE COLLEGE
CAFE RENOVATION
735 ANDERSON HILL RD PURCHASE, NY 10577

REVISIONS

NO.	DATE	DESCRIPTION

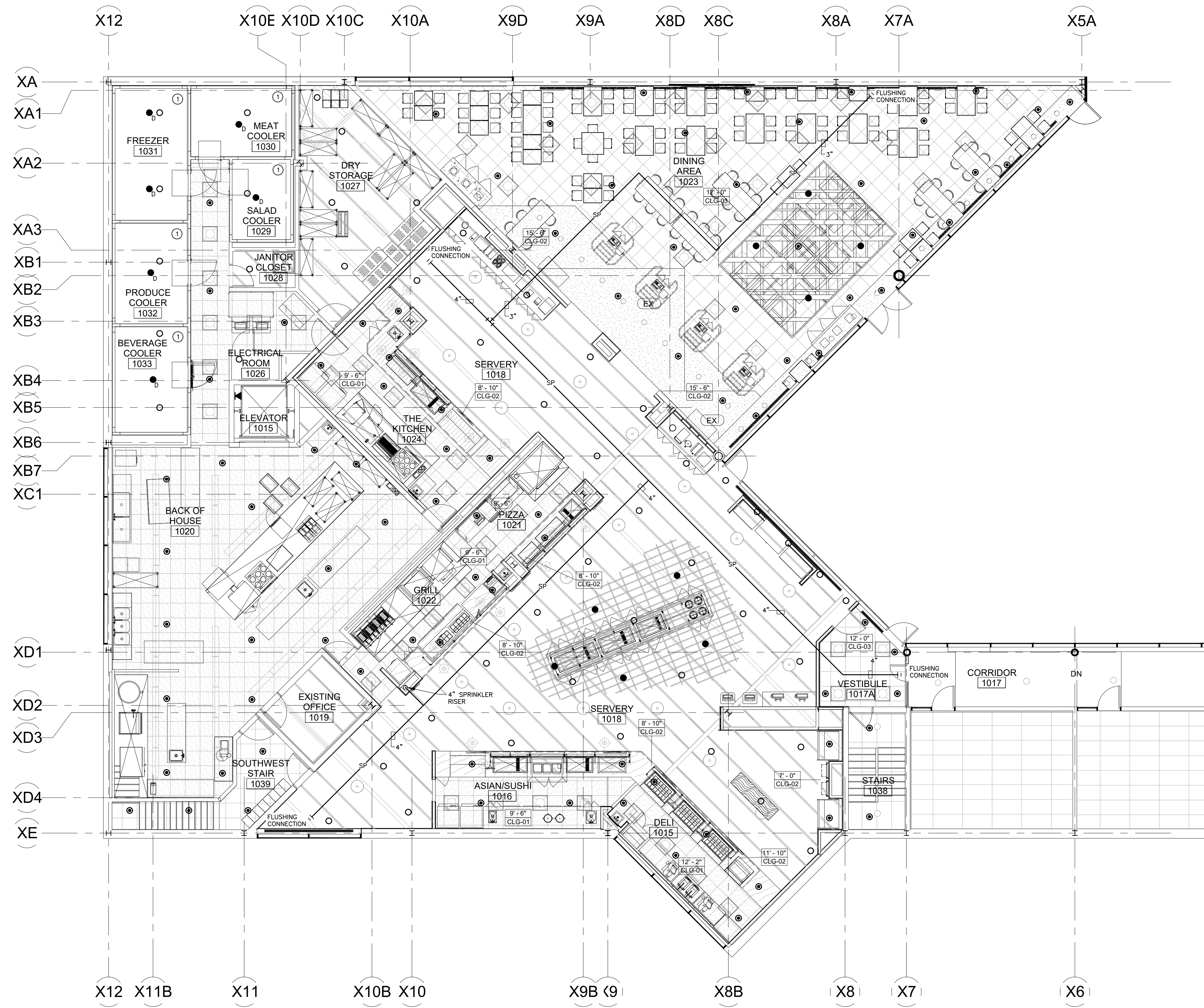


ISSUED FOR BID
ISSUED DATE: JULY 26, 2019
DRAWN BY: IES
CHECKED BY: IES
PROJECT NUMBER: 1517347
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BASEMENT FIRE PROTECTION PLAN

DRAWING NO.
FP-100

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

DRAWING NOTES

① CONTRACTOR SHALL PROVIDE FIRE PROTECTION ABOVE FREEZER EQUIPMENT AND INSIDE EQUIPMENT PER NFPA 13 REQUIREMENTS.



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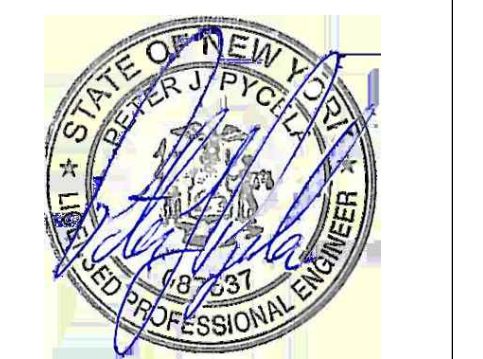
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REVISIONS	
NO.	DESCRIPTION



ISSUED FOR: BID
ISSUED DATE: JULY 26, 2019

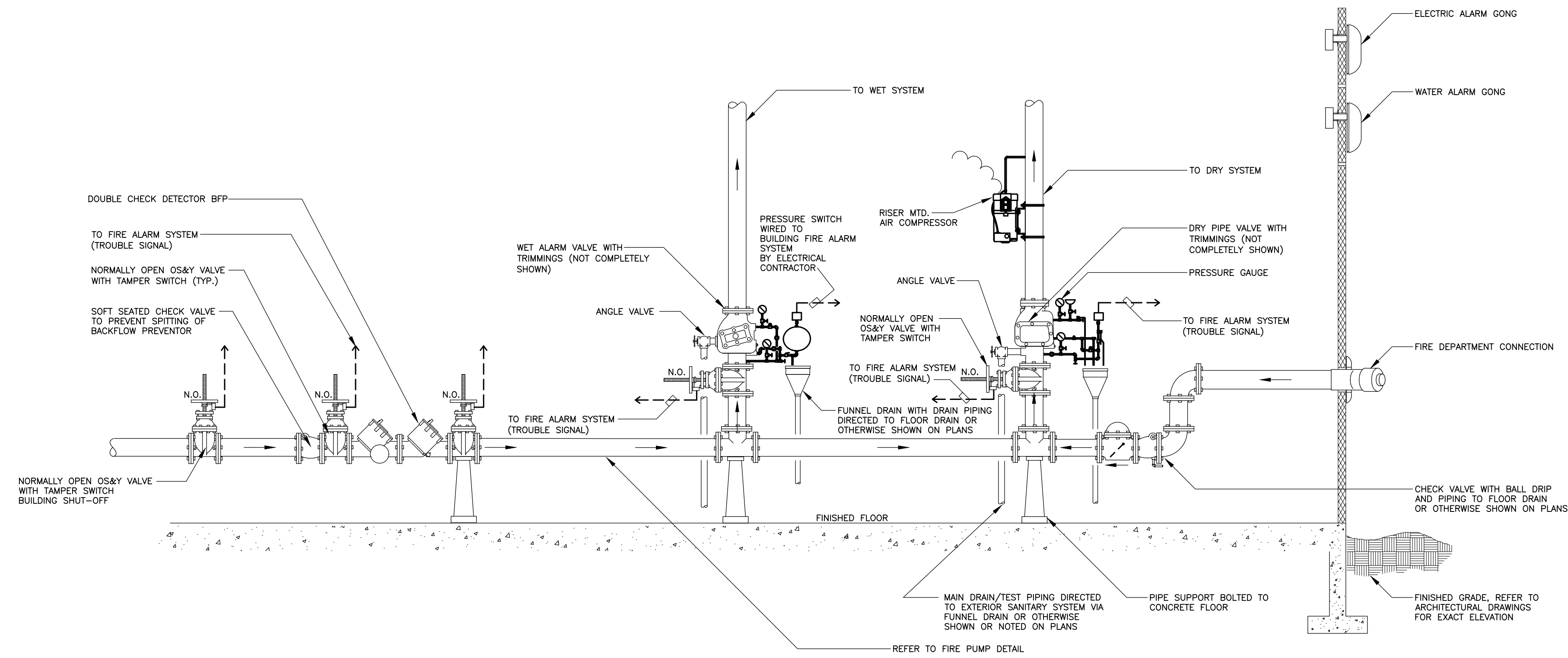
DRAWN BY: IES
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PROJECT NUMBER: 1517347

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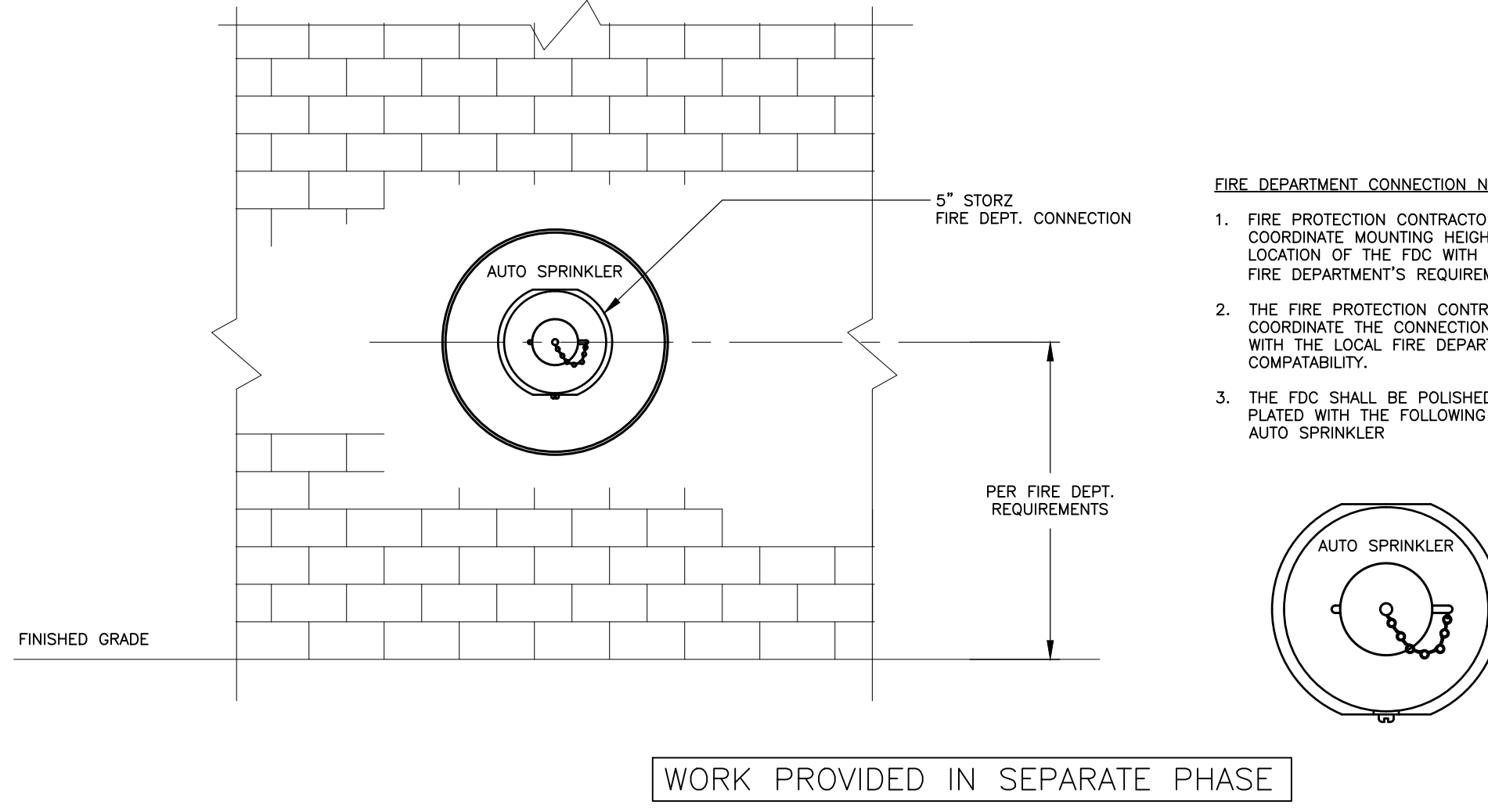
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FIRST FLOOR FIRE PROTECTION PLAN

DRAWING NO.
FP-101

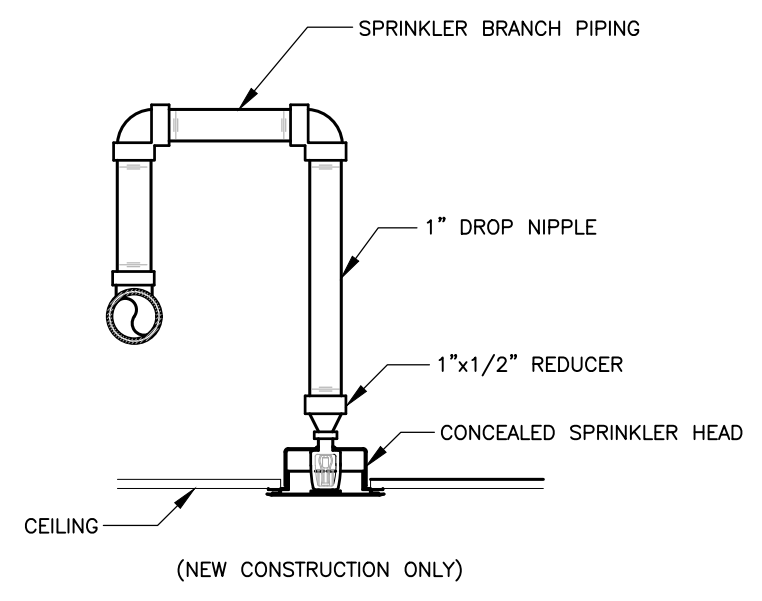
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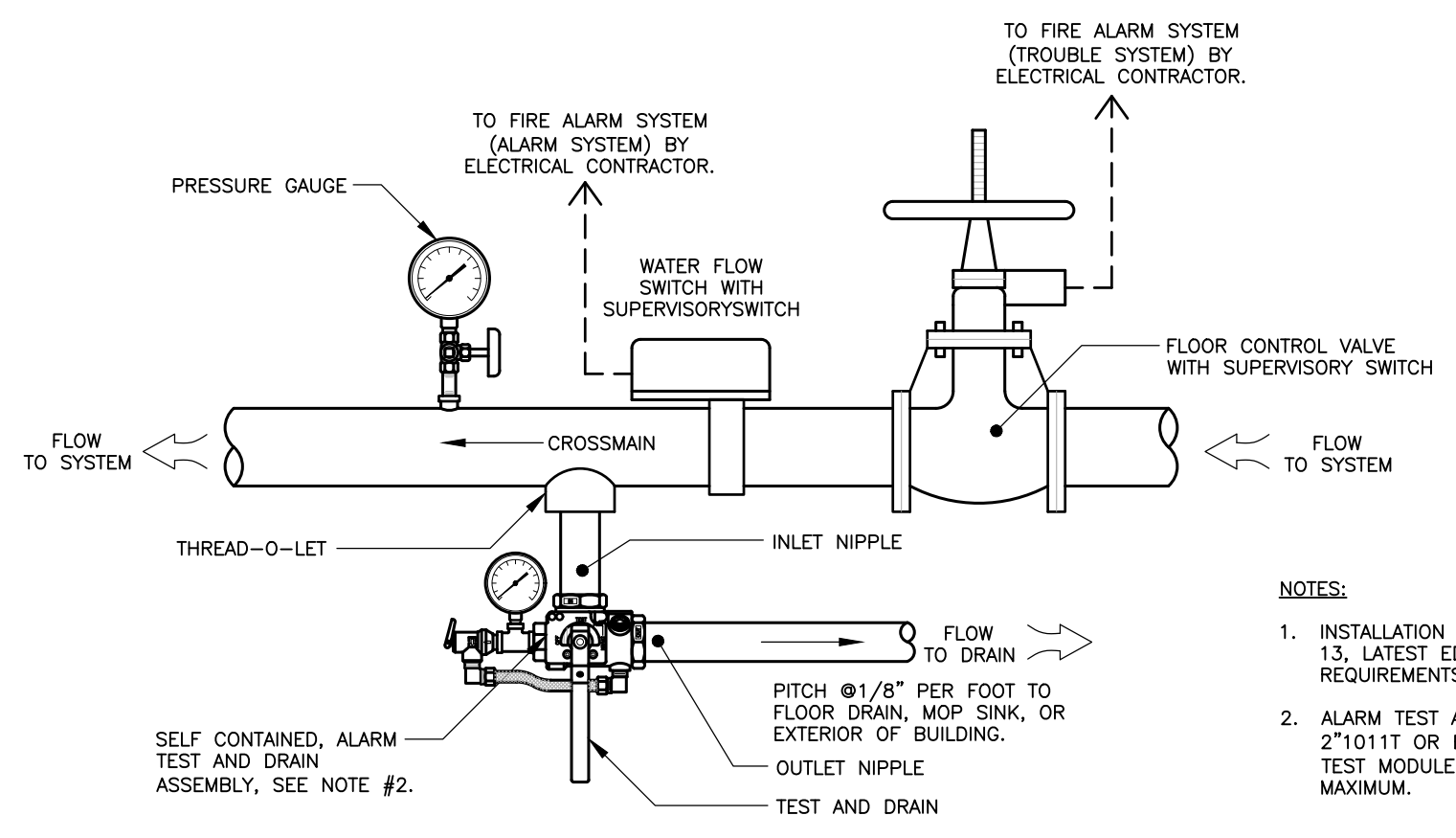
WORK PROVIDED IN SEPARATE PHASE
FIRE PROTECTION SERVICE DETAIL COMBINATION WET PIPE/DRY PIPE SYSTEM
N.T.S.



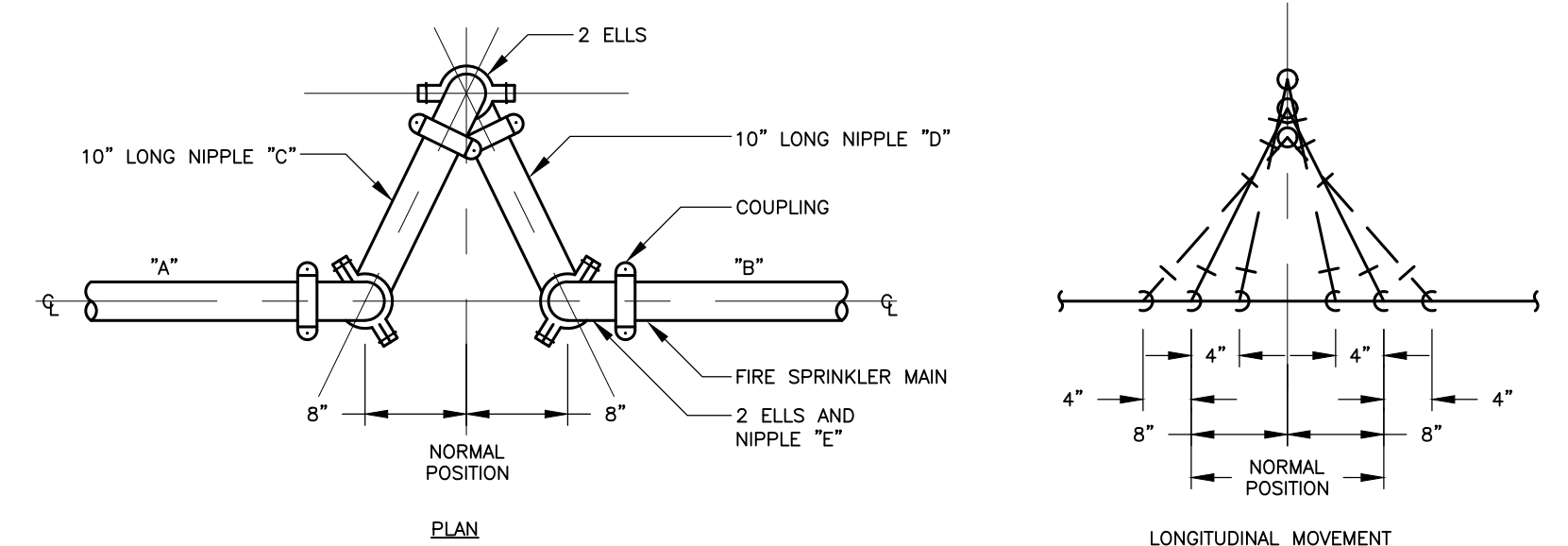
FIRE DEPARTMENT SYSTEM - TYPICAL FIRE DEPARTMENT CONNECTION DETAIL (DRY SYSTEM) AND (AUTO SPRINKLER)
SCALE: N.T.S.



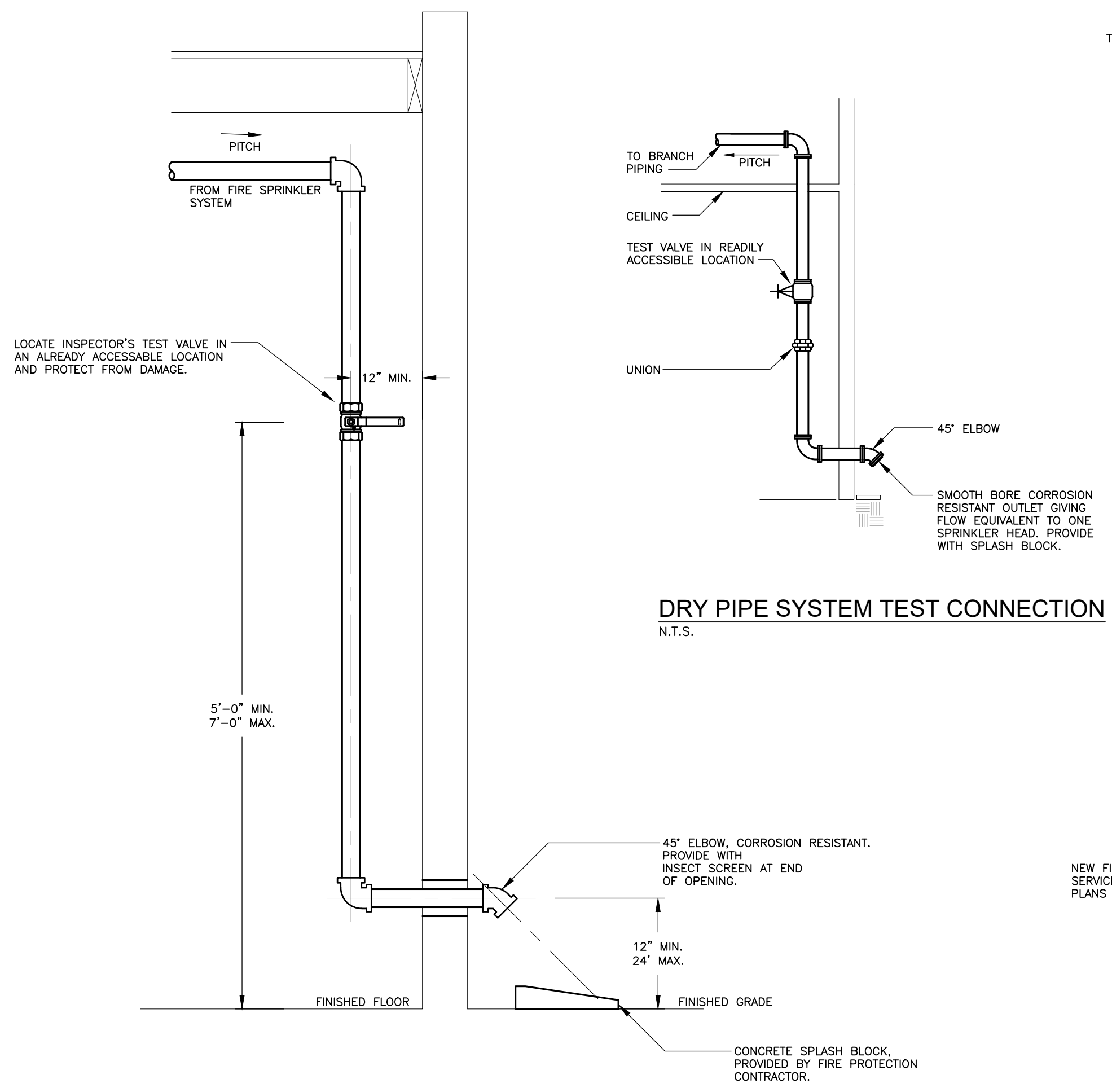
CONCEALED SPRINKLER HEAD DETAIL
N.T.S.



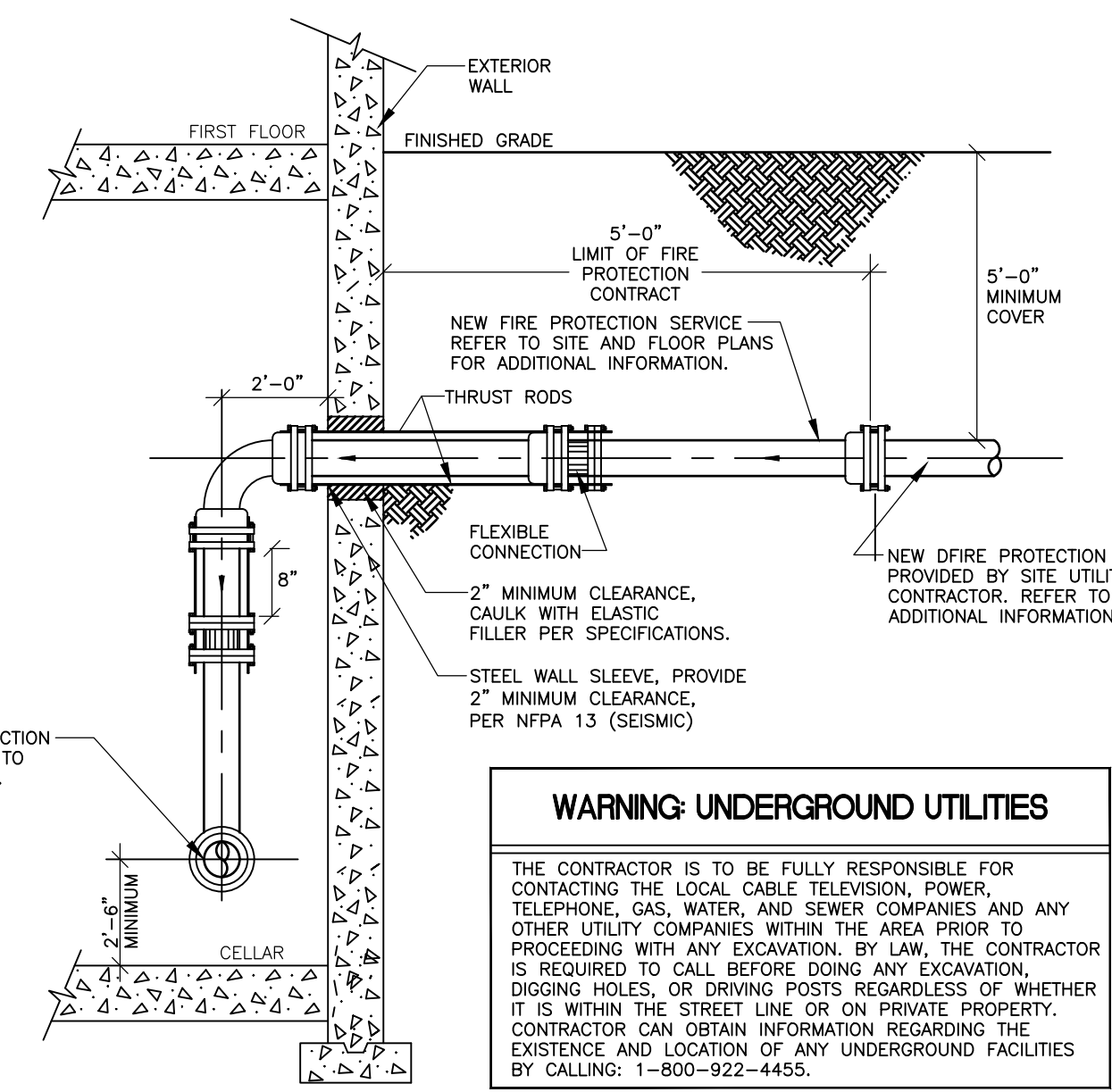
FIRE PROTECTION SYSTEM - ZONE CONTROL VALVE AND TEST/RAIN PIPING DETAIL
N.T.S.



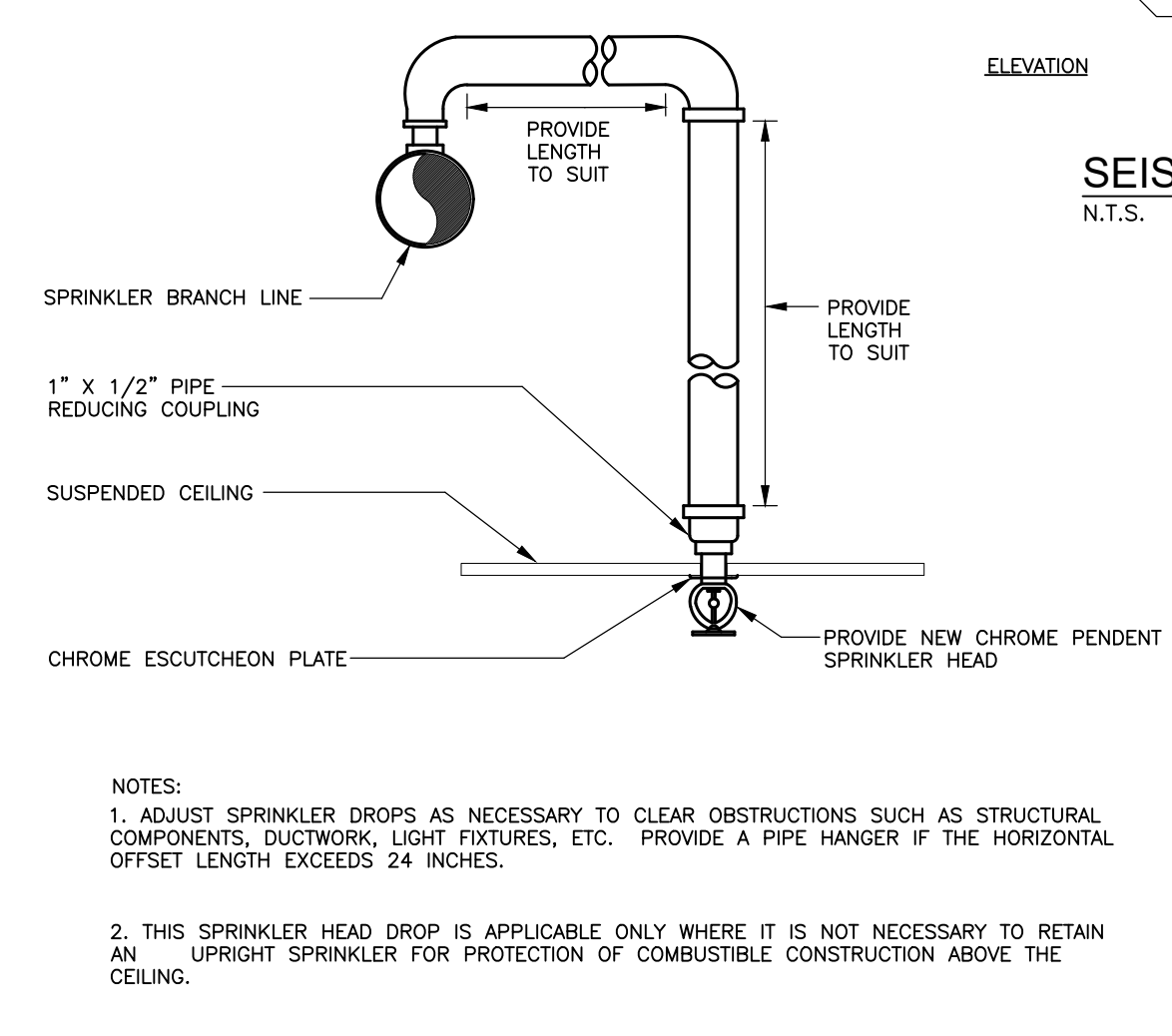
SEISMIC SEPARATION ASSEMBLY DETAIL
N.T.S.



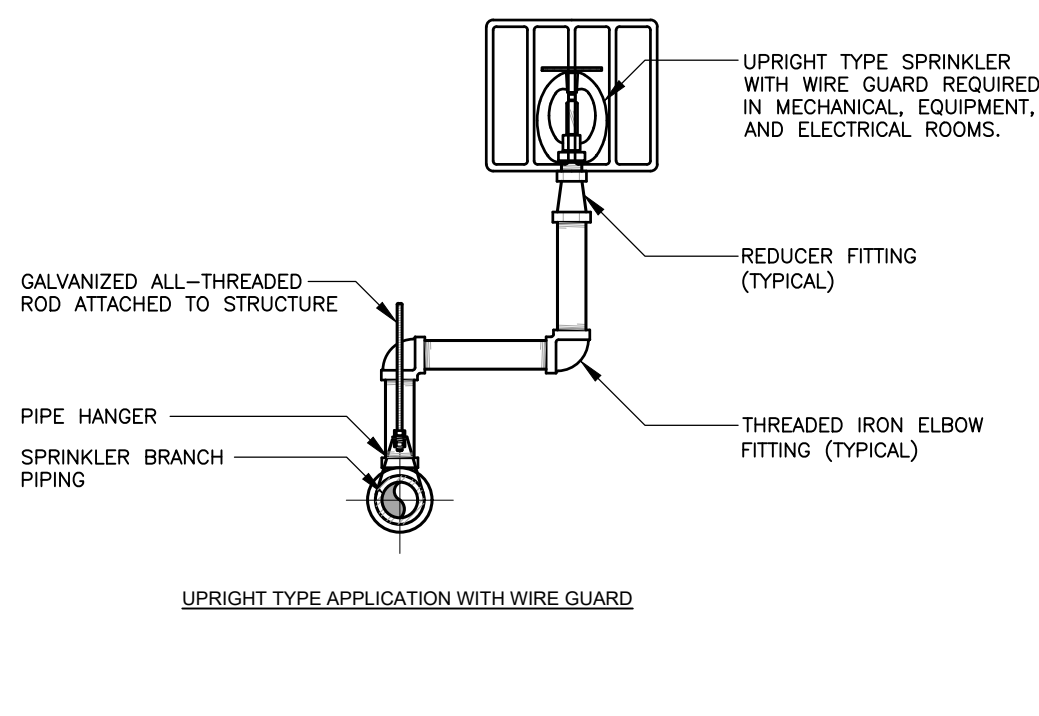
INSPECTOR'S TEST CONNECTION DETAIL (WET PIPE SYSTEM)
N.T.S.



WORK PROVIDED IN SEPARATE PHASE
FIRE PROTECTION SERVICE ENTRANCE INSTALLATION DETAIL
N.T.S.



TYPICAL SPRINKLER HEAD DROP DETAIL
N.T.S.



SPRINKLER SWING JOINT INSTALLATION DETAIL
N.T.S.

NOTES:
1. ADJUST SPRINKLER DROPS AS NECESSARY TO CLEAR OBSTRUCTIONS SUCH AS STRUCTURAL COMPONENTS, DUCTWORK, LIGHT FIXTURES, ETC. PROVIDE A PIPE HANGER IF THE HORIZONTAL OFFSET LENGTH EXCEEDS 24 INCHES.
2. THIS SPRINKLER HEAD DROP IS APPLICABLE ONLY WHERE IT IS NOT NECESSARY TO RETAIN AN UPRIGHT SPRINKLER FOR PROTECTION OF COMBUSTIBLE CONSTRUCTION ABOVE THE CEILING.

FIRE PROTECTION CONSTRUCTION PROCEDURES

1. IT IS SOLELY THE FIRE PROTECTION CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF SHOP DRAWINGS FROM THE OWNER'S INSURANCE CARRIER AND ALL LOCAL AUTHORITIES HAVING JURISDICTION. ANY INSTALLATION OF THE SPRINKLER SYSTEM WITHOUT APPROVED PLANS SHALL BE AT THE SOLE RISK AND EXPENSE OF THE CONTRACTOR.
2. THE FIRE PROTECTION CONTRACTOR MUST CONTACT THE OWNER'S CONSTRUCTION COORDINATOR AND REQUEST THE SPRINKLER MAIN TO BE ISOLATED AND/OR DRAINED. THIS PROCEDURE MUST BE ADHERED TO WHEN PRESSURE TESTING AND/OR PLACING SYSTEM IN OR OUT OF SERVICE.
3. THE OWNER'S CONSTRUCTION COORDINATOR AND LOCAL AUTHORITIES HAVING JURISDICTION SHALL WITNESS ALL SYSTEM PRESSURE TESTS WITH 48 HOURS NOTICE FROM THE CONTRACTOR MAKING THE TESTS.
4. ALL WORK SHALL MEET THE REQUIREMENTS OF NFPA STANDARDS. INSTALLATION PROCEDURES SHALL COMPLY WITH THE SAFETY RULES OF OSHA AND THE STATE OF NEW YORK.
5. THE FIRE PROTECTION CONTRACTOR MUST OBTAIN A HOT WORK PERMIT, PROVIDE A FIRE WATCH WHENEVER ANY WELDING IS DONE WITHIN THE AREA BEING WORKED, DURING THE WELDING OPERATION, AND FOR ONE HOUR AFTER WELDING IS COMPLETED.
6. NO STOCK OF FURNISHINGS SHALL BE ALLOWED IN THE AREAS BEING WORKED UNTIL THE ENTIRE SYSTEM IS COMPLETED IN ACCORDANCE WITH THE ABOVE NOTES AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
7. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE A MATERIAL TEST AND CERTIFICATION FORM TO ALL REQUIRED AUTHORITIES HAVING JURISDICTION AND THE OWNER'S INSURANCE CARRIER SO AS TO CERTIFY THAT THE SPRINKLER SYSTEM WAS INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, SPECIFICATIONS, FEDERAL, STATE, AND LOCAL CODES AND PROCEDURES.
8. UPON COMPLETION OF SYSTEM INSTALLATION, THE FIRE PROTECTION CONTRACTOR SHALL PERFORM A HYDROSTATIC SYSTEM TEST ON ALL PIPING AND ATTACHED APPURTENANCES IN THE PRESENCE OF THE LOCAL FIRE MARSHAL. THE SYSTEM SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF 200 PSI AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS. LOSS SHALL BE DETERMINED BY A DROP IN GAUGE PRESSURE OR VISUAL LEAKAGE. THE TEST PRESSURE SHALL BE READ FROM A GAUGE LOCATED AT THE LOW ELEVATION POINT OF THE SYSTEM OR PORTION BEING TESTED. ALL TESTING THE SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13 AND NFPA 25.
9. SPRINKLER MODIFICATIONS AFFECTING 20 OR FEWER SPRINKLERS SHALL NOT REQUIRE HYDROSTATIC TESTING IN EXCESS OF SYSTEM WORKING PRESSURE.
10. WHERE ADDITION OR MODIFICATION IS MADE TO AN EXISTING SYSTEM AFFECTING MORE THAN 20 SPRINKLERS, THE NEW PORTION SHALL BE ISOLATED AND TESTED AT NOT LESS THAN 200 PSI FOR 2 HOURS.
11. MODIFICATIONS THAT CAN NOT BE ISOLATED, SUCH AS RELOCATED DROPS, SHALL NOT REQUIRE TESTING IN EXCESS OF SYSTEM WORKING PRESSURE.
12. PROVISIONS SHALL BE MADE BY THE FIRE PROTECTION CONTRACTOR FOR THE PROPER DISPOSAL OF WATER USED IN FLUSHING OR TESTING.

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
BFP	BACKFLOW PREVENTER
DCV	DOUBLE CHECK VALVE
ELEV	ELEVATION
FS	FLOW SWITCH
FDC	FIRE DEPARTMENT CONNECTION
G	GAUGE (SPRINKLER)
GPM	GALLONS PER MINUTE
LPS	LOW PRESSURE SWITCH
NIC	NOT IN CONTRACT
PSI	POUNDS PER SQUARE INCH
SS	SUPERVISORY SWITCH
TS	TAMPER SWITCH
TYP	TYPICAL
VF	VERIFY IN FIELD

FIRE PROTECTION PIPING LEGEND

	FLOW DIRECTION
	FIRE LINE
	FIRE SERVICE BURIED
	WET SPRINKLER SYSTEM
	DRY PIPE SPRINKLER SYSTEM
	DRAIN PIPING
	FIRE DEPARTMENT CONNECTION SUPPLY
	PIPE DOWN
	PIPE UP
	PIPE DROP
	FLUSHING CONNECTION
	PLUGGED OR CAPPED PIPE

SPRINKLER TEMPERATURE CLASSIFICATION SCHEDULE

SPRINKLER TEMPERATURE CLASSIFICATION	NORMAL SPRINKLER TEMPERATURE RATING (FUSING POINT)	CEILING TEMPERATURE AT SPRINKLER		BULB ^d COLOR	FRAME PAINT COLOR
		MAX. AMBIENT TEMP. ALLOWED ^a	MAX. RECOMMENDED AMBIENT TEMP.		
ORDINARY	135°F (57°C)	115°F (46°C)	100°F (38°C)	ORANGE	NONE
ORDINARY	155°F (68°C)	135°F (57°C)	100°F (38°C)	RED	NONE
INTERMEDIATE	175°F (79°C)	155°F (68°C)	150°F (65°C)	YELLOW	WHITE
INTERMEDIATE	200°F (93°C)	180°F (82°C)	150°F (65°C)	GREEN	WHITE
INTERMEDIATE	212°F (100°C)	192°F (89°C)	150°F (65°C)	GREEN	WHITE
HIGH	286°F (141°C)	266°F (130°C)	225°F (107°C)	BLUE	BLUE
EXTRA HIGH	360°F (182°C)	340°F (171°C)	300°F (149°C)	MALVE	RED
ULTRA HIGH ^b	500°F (260°C)	480°F (249°C)	465°F (240°C)	BLACK	ORANGE

NOTES:
1. SPRINKLER FINISHES: BRASS, BRIGHT BRASS, POLISHED CHROME, WHITE (POLYESTER), WHITE PAINT, BLACK TEFLO, NAVAJO WHITE (PAINT)

SPRINKLER HEAD LEGEND

SYM	DESCRIPTION	COVERAGE UL & FM APPROVED	METAL	TEMP	K FACT	NPT	ORIF	MFG.	MODEL#	ELEMENT	ESCUT	CONN.	RESPONSE	COMMENTS	NOTES
⊙	CONCEALED PENDANT SPRINKLER	STANDARD NFPA13	BRASS	155'	5.6	1/2"	1/2"	VIKING	VK482	GLASS BULB	WHITE	THREADED	STANDARD/ QUICK RESPONSE		1,2,4
⊙	CONCEALED BARREL PENDANT DRY SPRINKLER	STANDARD NFPA13	BRASS	155'	8.0	1"	3/4"	VIKING	VK164	GLASS BULB	WHITE OR CHROME FINISH	THREADED	QUICK RESPONSE	CONTRACTOR TO DETERMINE REQUIRED LENGTH OF SPRINKLER BARREL	1,2,4
●	PENDANT	STANDARD NFPA13	BRASS	155'	5.6	1/2"	1/2"	VIKING	VK482	GLASS BULB	PLATE COVER SEE NOTE #4	THREADED	STANDARD		2,3
●	DRY BARREL PENDANT SPRINKLER	STANDARD NFPA13	CHROME	155'	8.0	1"	LARGE	VIKING	VK164	GLASS BULB	CHROME FINISH	THREADED	STANDARD	PROVIDE IN REFRIGERATION EQUIPMENT	2,3,4
▶	WET SIDEWALL	STANDARD NFPA13	BRASS	155'	5.6	1/2"	1/2"	VIKING	VK305	GLASS BULB	WHITE OR CHROME FINISH	THREADED	QUICK RESPONSE		2,3
▶	DRY BARREL SIDEWALL	STANDARD NFPA13	BRASS	155'	5.6	1/2"	1/2"	VIKING	VK182	GLASS BULB	WHITE OR CHROME FINISH	THREADED	QUICK RESPONSE	CONTRACTOR TO DETERMINE REQUIRED LENGTH OF SPRINKLER BARREL	2,3
▶	WET SIDEWALL EXTENDED COVERAGE	EXTENDED	BRASS	155'	8.0	1/2"	1/2"	VIKING	VK606	GLASS BULB	WHITE OR CHROME FINISH	THREADED	QUICK RESPONSE		2,3
▶	DRY BARREL SIDEWALL EXTENDED COVERAGE	EXTENDED	BRASS	155'	8.0	3/4"	3/4"	VIKING	VK279	GLASS BULB	WHITE OR CHROME FINISH	THREADED	QUICK RESPONSE	CONTRACTOR TO DETERMINE REQUIRED LENGTH OF SPRINKLER BARREL	2,3

1. SPRINKLERS TO BE CENTERED IN CEILING TILE UNLESS NOTE OTHERWISE.
2. SPRINKLERS MAKE AND MODEL MAY BE SUBSTITUTED FOR APPROVED EQUAL.
3. PROVIDE GUARD IN ALL MECHANICAL ROOMS AND AREAS WHERE SPRINKLER HEAD MAY BE EXPOSED TO PHYSICAL DAMAGE.
4. PROJECT INVOLVES DIFFERENT COLOR FINISHES ON CONCEALED SPRINKLER COVER PLATES. EXACT LOCATIONS AND FINISH ARE TO BE VERIFIED WITH OWNER AND ARCHITECT BEFORE SUBMITTING SHOP DRAWINGS.

SPRINKLER PIPING SCHEDULE

PIPING SYSTEM	SIZE RANGE	PIPE MATERIALS	JOINTS	FITTINGS	INSULATION	SHUTOFF VALVES
WATER SERVICE PIPING (WS / F)	4" - 8"	STEEL, SCH 40, ASTM A135	FLANGED	FLANGED 300#	N/A	
WET SPRINKLER / STANDPIPE PIPING (WSP/WST - WSP)	2" DN	STEEL, SCH 40, ASTM A135	THREADED	150# MALLEABLE-IRON	N/A	
	2 1/2 UP	STEEL, SCH 40, ASTM A135	GROOVED	VICTAULIC STYLE 77 (FLEXIBLE)	N/A	
DRY SPRINKLER PIPING (DSP)	2" DN	GALVANIZED, STEEL, SCH 40	THREADED	150# MALLEABLE-IRON	N/A	
	2 1/2 UP	GALVANIZED, STEEL, SCH 40	GROOVED	VICTAULIC STYLE 77 (FLEXIBLE)	N/A	

REFER TO DRAWINGS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

HYDRAULIC SYSTEM

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM.

LOCATION []

NO. OF SPRINKLERS []

NO. OF SPRINKLERS []

BASIS OF DESIGN
 1. LOWEST []
 2. HIGHEST []
 3. MEAN []
 4. SYSTEM DEMAND []
 5. []
 6. []

HYDRAULIC SIGN NOTES:

1. THE FIRE PROTECTION CONTRACTOR SHALL IDENTIFY EACH HYDRAULIC DESIGNED SPRINKLER SYSTEM WITH A PERMANENTLY MARKED, WATERPROOF METAL SIGN SECURED WITH CORROSION-RESISTANT WIRE. SIGN OR OTHER APPROVED MEANS. SUCH SIGNAGE SHALL BE PLACED AT EACH ALARM VALVE SUPPLYING THE CORRESPONDING HYDRAULICALLY DESIGNED AREA. THE SIGN SHALL INCLUDE THE FOLLOWING INFORMATION:
 A. LOCATION OF DESIGN AREA OR AREAS.
 B. DISCHARGE DENSITIES OVER THE DESIGN AREA OR AREAS.
 C. REQUIRED FLOW AND RESIDUAL PRESSURE DEMAND AT BASE OF RISER.
 D. OCCUPANCY CLASSIFICATION OR COMMODITY CLASSIFICATION AND MAXIMUM PERMITTED STORAGE HEIGHT AND CONFIGURATION.
 E. HOSE STREAM DEMAND INCLUDED IN ADDITION TO THE SPRINKLER DEMAND.

HYDRAULIC SYSTEM SIGNAGE DETAIL
N.T.S.

FIRE PROTECTION SYMBOL LEGEND

⊙	CONCEALED SPRINKLER
●	PENDANT SPRINKLER
⊙	UPRIGHT SPRINKLER WITH GUARD
⊙	UPRIGHT SPRINKLER
▶	DRY SIDEWALL SPRINKLER
▶	WET SIDEWALL SPRINKLER
⊙	ALARM CHECK VALVE RISER ASSEMBLY
⊙	DRY PIPE VALVE RISER ASSEMBLY
	SPRINKLER FLOW SWITCH
	VALVE IN PIPE DROP
	VALVE IN PIPE RISER
	OUTSIDE SCREW & YOKE GATE VALVE (SUPERVISED)(OS&Y)
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	BACKFLOW PREVENTER (DOUBLE CHECK TYPE)
	STORZ FIRE DEPARTMENT CONNECTION W/ CAP & CHAIN
	PRESSURE GAUGE
	ELECTRIC ALARM BELL
	WATER MOTOR GONG
	THRUST BLOCK
	ZONE CONTROL VALVE ASSEMBLY (ASSEMBLY CONSISTS OF BUTTERFLY VALVE W/TAMPER, FLOW SWITCH, AND SELF-CONTAINED TEST AND DRAIN UNIT)
	TEST & DRAIN ASSEMBLY

FIRE PROTECTION GENERAL NOTES

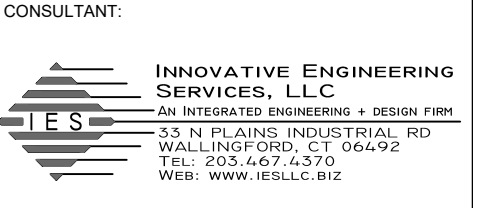
1. THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL INTENT OF WORK. SEE DETAILS, RISERS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. THE DRAWINGS INDICATE A SUGGESTED SPRINKLER HEAD LAYOUT AND THAT EACH AREA IS COVERED BY SPRINKLER PROTECTION AS REQUIRED PER CODE. THE SPRINKLER QUANTITIES SHALL NOT BE COUNTED, AS A TAKE OFF OR AS EXACT LOCATIONS. REFER TO NFPA 13 FOR EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS.
4. SPRINKLERS IN FINISHED CEILING AREAS SHALL ALWAYS BE LOCATED IN THE CENTER OF CEILING TILES UNLESS INDICATED OTHERWISE.
5. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE ARCHITECTURAL REFLECTED CEILING PLANS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION SUCH AS CEILING HEIGHTS, TYPES, SOFFITS AND OR OTHER DEVICE LOCATIONS.
6. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE ELECTRICAL DIVISION DRAWINGS AND COORDINATE THE FIRE PROTECTION WORK WITH LOCATIONS OF LIGHTS, AND CEILING MOUNTED DEVICES WHICH MAY INTERFERE WITH SPRINKLER HEAD LOCATIONS OR SPRAY PATTERNS.
7. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE HVAC DIVISION DRAWINGS AND COORDINATE THE FIRE PROTECTION WORK WITH LOCATIONS OF CEILING MOUNTED DEVICES SUCH AS DIFFUSERS, GRILLS, REGISTER, AND ALSO THE LOCATIONS OF HEAT PRODUCING EQUIPMENT AND DUCTWORK REQUIRING SPRINKLER PROTECTION BELOW IT.
8. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE PIPE EXPANSION JOINTS ALL BUILDING EXPANSION JOINT LOCATIONS AND EXPANSION LOOPS AT ALL BUILDING EXPANSION/SEISMIC JOINT LOCATIONS AS REQUIRED PER NFPA 13 AND BUILDING CODES. REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATIONS OF EXPANSION AND SEISMIC JOINTS.
9. THE FIRE PROTECTION 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.
10. ALL PIPING, EQUIPMENT OR ACCESSORIES INSTALLED IN PLENUM RATED CEILING SHALL BE LISTED AND APPROVED FOR SUCH INSTALLATION.



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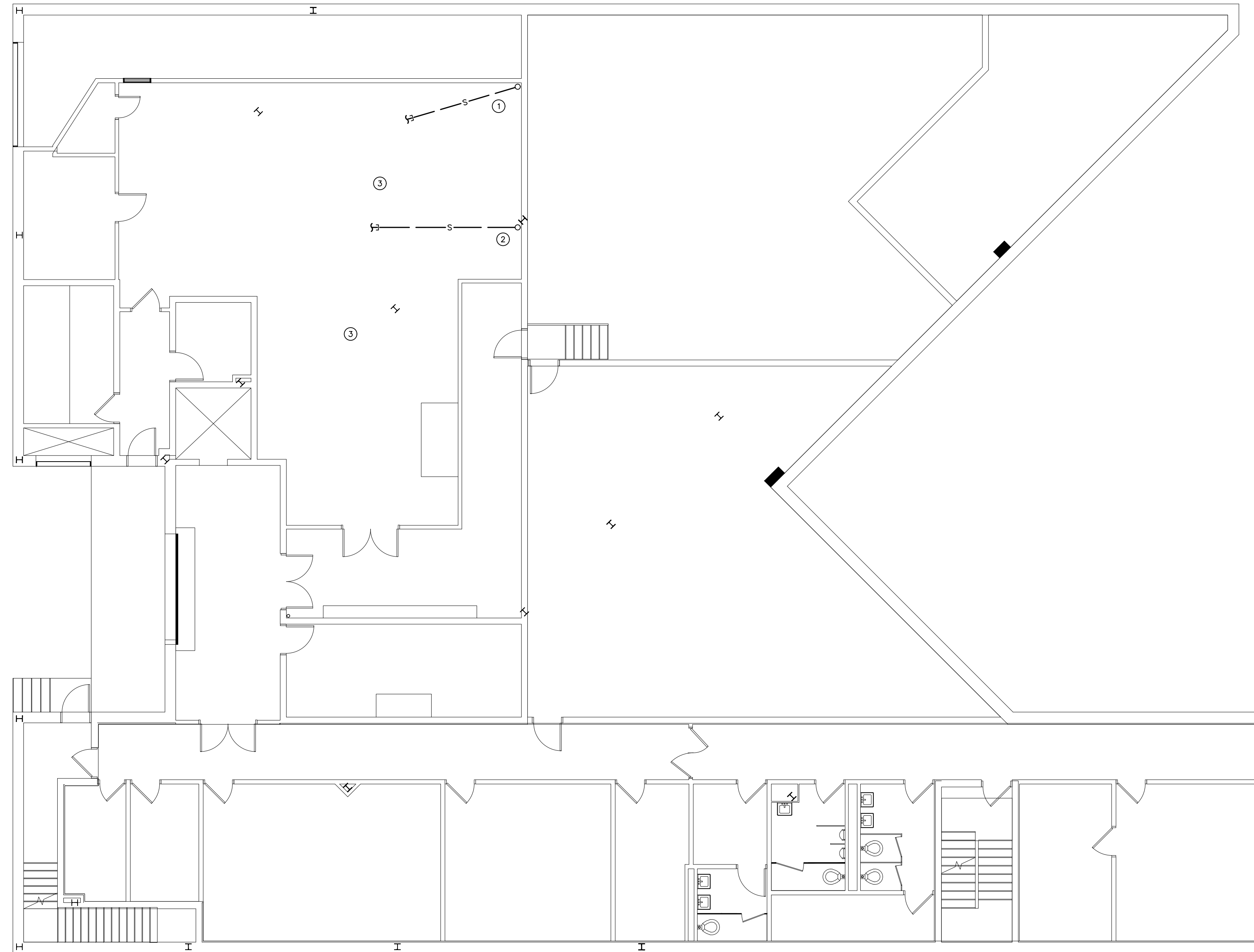


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FIRE PROTECTION NOTES, LEGENDS, & SCHEDULES
DRAWING NO.
FP-201

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

PLUMBING DEMOLITION NOTES

① CONTRACTOR SHALL REPAIR EXISTING BROKEN SANITARY PIPING BELOW SLAB. FIELD VERIFY EXISTING CONDITIONS.

② EXISTING SANITARY PIPING SHALL REMAIN

③ CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ABANDONED PLUMBING SERVICE ABOVE CEILING BACK TO THE MAINS AND CAP FOR FUTURE CONNECTIONS. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS.

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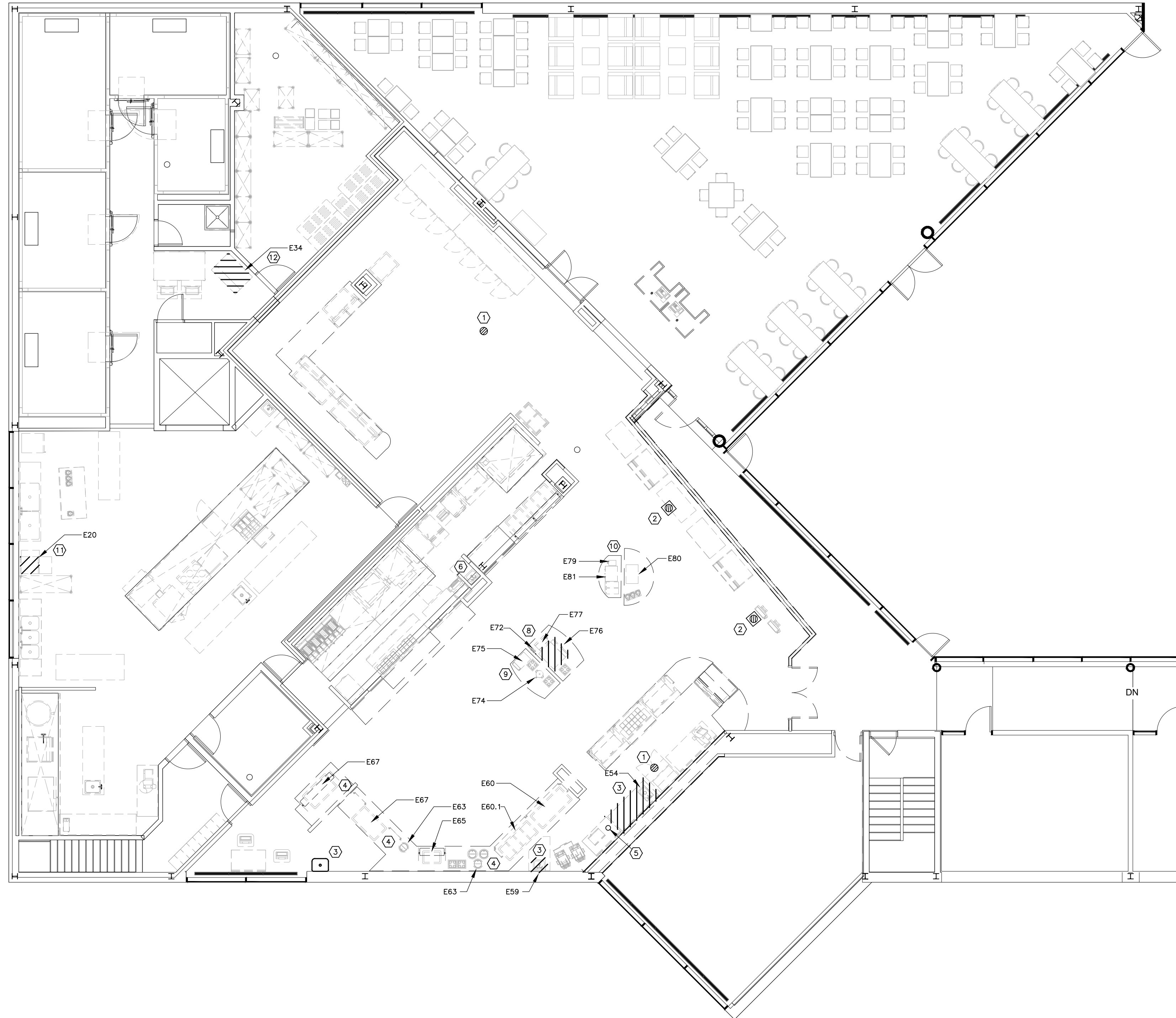


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BASEMENT PLUMBING DEMOLITION PLAN

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

PLUMBING DEMOLITION NOTES

- ① CONTRACTOR SHALL REMOVE EXISTING FLOOR DRAIN, SANITARY PIPING, AND VENT PIPING BACK TO MAIN AND CAP OFF, DOWN TO SLAB BELOW.
- ② CONTRACTOR SHALL REMOVE EXISTING FLOOR SINK, SANITARY PIPING, AND VENT PIPING BACK TO MAINS DOWN TO SLAB BELOW AND ABOVE CEILING, CAP OFF.
- ③ CONTRACTOR SHALL DISCONNECT EXISTING SINK, 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.
- ④ CONTRACTOR SHALL DISCONNECT EXISTING PLUMBING PIPING TO EQUIPMENT AND REMOVE FROM CABINETS BACK TO SOURCE IN BASEMENT AND CAP OFF.
- ⑤ CONTRACTOR SHALL REPLACE EXISTING VENT PIPING UP THROUGH ROOF WITH NEW 4" VENT PIPING. COORDINATE WITH ROOFING CONTRACTOR FOR PATCHING OF ROOF.
- ⑥ EXISTING HAND SINK SHALL REMAIN, CONTRACTOR SHALL PROTECT FIXTURE DURING CONSTRUCTION.
- ⑦ CONTRACTOR SHALL REMOVE EXISTING FLOOR DRAIN AND CAP SANITARY PIPING BELOW FLOOR FOR FUTURE CONNECTION OF NEW FLOOR SINK.
- ⑧ CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WATER FILTER SYSTEM AND DOMESTIC WATER PIPING BACK TO MAINS, VALVE AND CAP OFF FROM ICE MACHINES.
- ⑨ CONTRACTOR SHALL DISCONNECT EXISTING COFFEE BREWER, REMOVE DOMESTIC WATER PIPING FROM EQUIPMENT AND REMOVE PLUMBING PIPING IN WALL AND CAP BELOW AT BASEMENT LEVEL.
- ⑩ 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 ALL PLUMBING SERVICES BACK TO MAINS.
- ⑪ CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DISHWASHER, CAP EXISTING PLBG SERVICES FROM EQUIPMENT BACK TO WALL FOR FUTURE CONNECTION OF NEW EQUIPMENT.
- ⑫ CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING ICE MACHINE, CAP EXISTING PLBG SERVICES FROM EQUIPMENT BACK TO WALL FOR FUTURE CONNECTION OF NEW EQUIPMENT.

EXISTING EQUIPMENT TO BE RELOCATED

ITEM NO	QTY	DESCRIPTION	EQUIPMENT REMARKS
E17	4	COFFEE SHUTTLE	EXISTING TO BE RELOCATED
E67	2	COLD PAN	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
E77	1	BEVERAGE 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
E114	1	HOT/COLD WELL, DROP-IN	EXISTING TO BE RELOCATED
E115	1	HOT/COLD WELL, DROP-IN	EXISTING TO BE RELOCATED
E116	1	HOT/COLD WELL, DROP-IN	EXISTING TO BE RELOCATED

EXISTING FIXTURES AND EQUIPMENT TO BE DEMOLISHED

ITEM NO	QTY	DESCRIPTION	EQUIPMENT REMARKS
E17.1	3	COFFEE SHUTTLE	EXISTING TO BE DEMOLISHED
E20	1	UNDERCOUNTER DISHWASHER	EXISTING TO BE DEMOLISHED
E34	1	ICE CUBE MACHINE	EXISTING TO BE DEMOLISHED
E59	1	HAND SINK	EXISTING TO BE DEMOLISHED
E60	1	COLD PAN	EXISTING TO BE DEMOLISHED
E63	4	SOUP WELL, DROP-IN, INDUCTION	EXISTING TO BE DEMOLISHED
E65	1	COLD PAN	EXISTING TO BE DEMOLISHED
E76	1	PEPSI SODA DISPENSER	EXISTING TO BE DEMOLISHED

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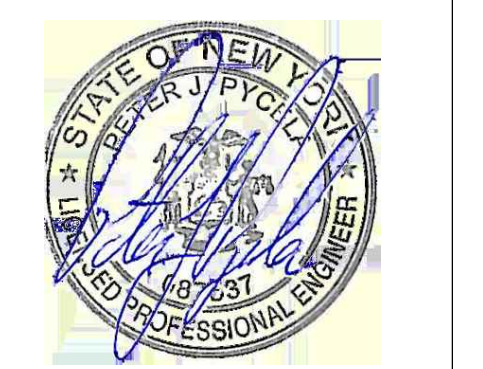
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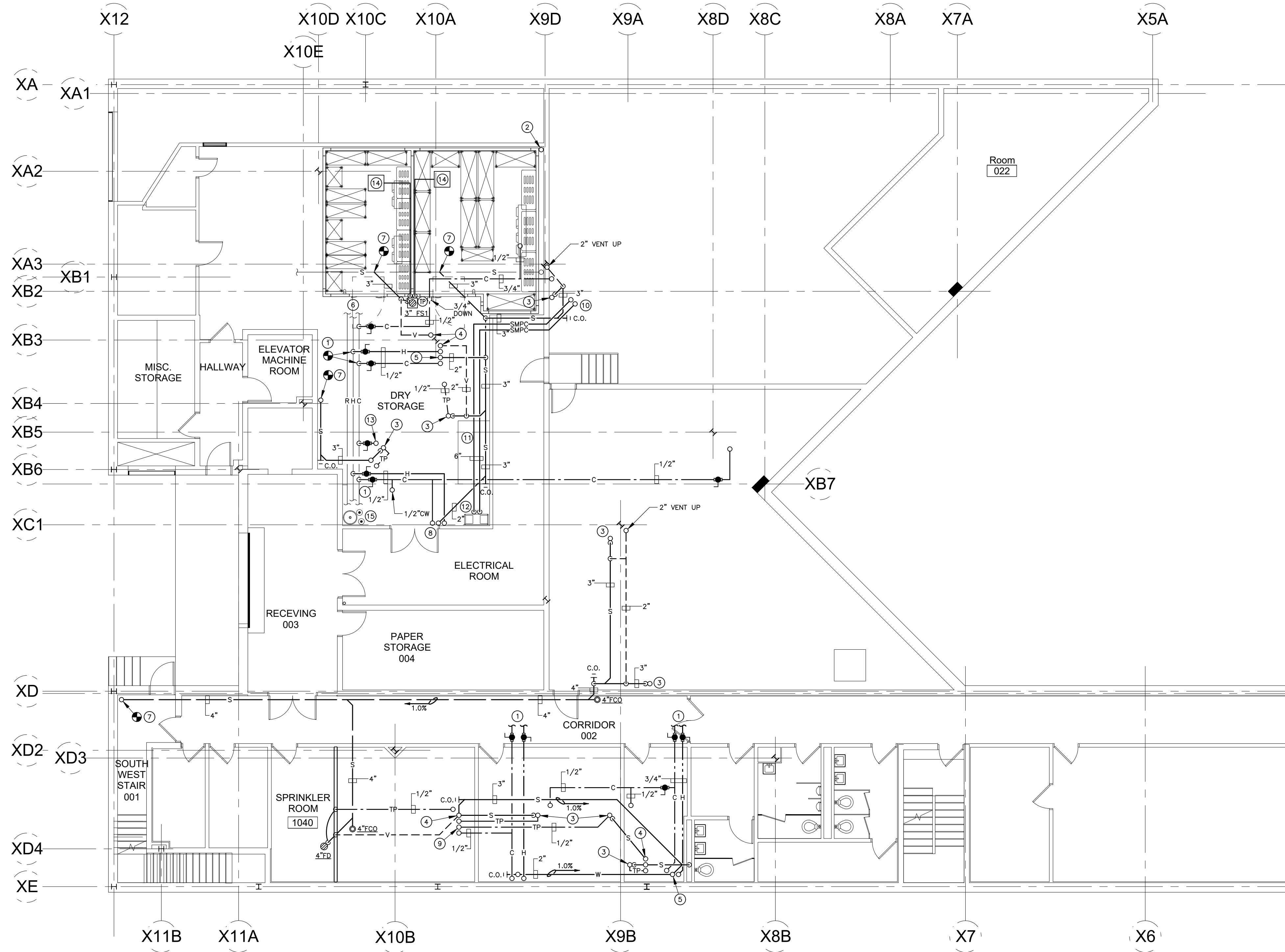
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FIRST FLOOR PLUMBING DEMOLITION PLAN
DRAWING NO.
DP-101

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

PLUMBING DRAWING NOTES

- ① CONNECT NEW HOT WATER AND COLD WATER PIPING TO EXISTING DOMESTIC WATER MAINS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH OWNER FACILITIES PERSONNEL FOR FINAL CONNECTIONS.
- ② CONTRACTOR SHALL REPLACE WITH NEW, EXISTING SANITARY MAIN ABOVE AND BELOW FLOOR BEFORE REFRIGERATION EQUIPMENT IS INSTALLED.
- ③ PROVIDE NEW 3" SANITARY PIPING FROM FLOOR SINK ABOVE.
- ④ PROVIDE 2" VENT UP THROUGH FLOOR ABOVE.
- ⑤ PROVIDE 2" WASTE, 3/4" HOT AND COLD WATER PIPING FROM SINK ABOVE.
- ⑥ EXISTING DOMESTIC WATER PIPING MAINS.
- ⑦ CONNECT NEW SANITARY PIPING TO EXISTING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
- ⑧ PROVIDE 2" WASTE, 1/2" HOT AND COLD WATER PIPING FROM SINK ABOVE.
- ⑨ PROVIDE 1/2" TRAP PRIMER PIPING FROM CONTROL VALVE ABOVE.
- ⑩ PROVIDE (2) 6" SODA MACHINE PIPING CONDUITS UP THROUGH FLOOR TO EQUIPMENT ABOVE.
- ⑪ CONTRACTOR SHALL PROVIDE (2) 6" SODA MACHINE PIPING CONDUITS AS HIGH AS POSSIBLE.
- ⑫ PROVIDE (2) 6" SODA MACHINE PIPING CONDUITS DOWN TO EQUIPMENT. COORDINATE WITH VENDOR FOR FINAL LOCATIONS.
- ⑬ PROVIDE 3/4" CW PIPING FROM WATER FILTER STATION ABOVE.
- ⑭ PROVIDE 3/4" CONDENSATE DRAIN PIPING FROM EVAPORATOR COOLER COIL TO INDIRECT DRAIN OF FLOOR SINK. COORDINATE WITH FOOD SERVICE VENDOR ON FINAL LOCATION OF EQUIPMENT.
- ⑮ EXISTING CO2 TANKS SHALL REMAIN. VENDOR EQUIPMENT.

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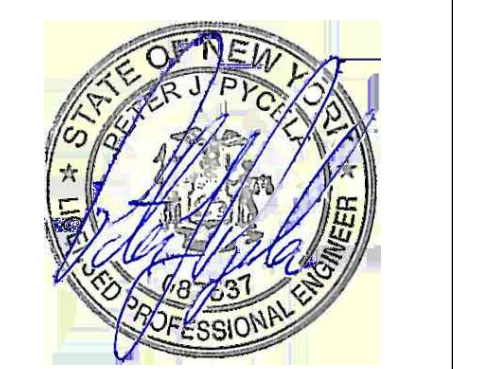
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BASEMENT PLUMBING PLAN

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

- PLUMBING DRAWING NOTES**
- PROVIDE NEW 3" FLOOR SINK AND CONNECT PIPING TO EXISTING SANITARY PIPING BELOW FLOOR. CONNECT TRAP PRIMER AND 3/8" COLD WATER SUPPLY TO ICE MACHINE FROM EXISTING WATER CONNECTIONS.
 - PROVIDE 1/2" COLD WATER AND 3/4" INDIRECT WASTE PIPING FROM RELOCATED EXISTING MILK DISPENSER.
 - EXISTING HAND WASH SINK SHALL REMAIN.
 - COORDINATE FINAL LOCATION OF 4" VENT THROUGH ROOF WITH EXISTING MEP CONDITIONS AND WITH EXISTING STRUCTURE BELOW ROOF AND ABOVE ROOF.
 - PROVIDE 2" WASTE DOWN, 1-1/2" VENT RISE, 3/4" HOT WATER AND 3/4" COLD WATER FROM BELOW. PROVIDE 1/2" HOT WATER AND 1/2" COLD WATER PIPING TO HAND SINK (12) AND 1/2" HOT WATER AND 1/2" COLD WATER TO UTILITY SINK (20).
 - PROVIDE 1-1/2" INDIRECT WASTE FROM 3" FLOOR SINK, 1/2" HOT WATER AND 1/2" COLD WATER PIPING FROM FAUCET.
 - PROVIDE 1/2" COLD WATER PIPING FROM BELOW TO AUTO WATER FILL STATION AND 1" INDIRECT DRAIN PIPING FROM 3" FLOOR SINK TO HOT/COLD PAN, DROP-INS.
 - PROVIDE 1/2" COLD WATER PIPING FROM BELOW TO TRAP PRIMER STATION. FURNISH RECESSED ACCESS DOOR WITH INSTALLATION BY OTHERS.
 - PROVIDE 1" INDIRECT WASTE DRAIN PIPING FROM 3" FLOOR SINK AND CONNECT TO (3) HOT/COLD PAN, DROP-IN EQUIPMENT.
 - PROVIDE 3/4" COLD WATER CONNECTIONS TO WATER FILTRATION SYSTEM AND 3/4" INDIRECT DRAIN WASTE WITH 1/2" COLD WATER PIPING FROM EQUIPMENT.
 - PROVIDE 1/4" COLD WATER AND 1" INDIRECT WASTE PIPING FROM MULTI BEVERAGE SODA DISPENSER. PROVIDE 8" CONDUIT 4" ABOVE FINISHED FLOOR WITH TAG LINE FOR SODA VENDOR TO FULL HOSE FROM FLOOR BELOW.
 - PROVIDE 1/2" COLD WATER FROM BELOW AND CONNECT TO EXISTING RELOCATED VENDOR EQUIPMENT.
 - PROVIDE 3/4" CW AND 2" INDIRECT DRAIN PIPING FROM COMBI OVEN. INSTALL (VENDOR PROVIDED) 3/4" DOMESTIC WATER FILTER, MOUNTED ON BACK WALL. COORDINATE WITH FOOD SERVICE VENDOR FOR ALL FINAL CONNECTIONS BY PLUMBER. PROVIDE 1/2" CW COOLING LINE TO FLOOR SINK.
 - PROVIDE 1/4" CW CONNECTION FROM COFFEE EQUIPMENT TO 1/2" CW PIPING AND VALVE MOUNTED ON WALL.
 - PROVIDE COORDINATION AND PLUMBING PIPING WITH VENDOR SUPPLIED ICE MACHINE EQUIPMENT. REFER TO FOOD SERVICE EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
 - PROVIDE COORDINATION AND PLUMBING PIPING WITH VENDOR SUPPLIED DISHWASHER EQUIPMENT. CONNECT TO EXISTING DOMESTIC WATER AND WASTE PIPING ON BACKWALL BEHIND EQUIPMENT.

FOOD SERVICE PLUMBING EQUIPMENT SCHEDULE

ITEM NO.	QTY	DESCRIPTION	CW SIZE	CW AFF	HW SIZE	HW AFF	DW SIZE	DW AFF	FW SIZE	FW TYPE	PLUMBING REMARKS
02	1	ICE CUBE MACHINE	3/8"	18"			1/2"	14"	3/4"	FD	DRAIN LINE SHALL BE ROUTED TO EXISTING DRAIN. PROVIDE 1/2" CW FROM EXISTING PLBGO PIPING SERVICES IN JANITOR SINK ROOM
08	1	UNDERCOUNTER DISHWASHER	3/4"	14"					1 1/2"		CONNECT TO EXISTING HW & WASTE PIPING BEHIND EQUIPMENT
12	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1-1/2"	12"			
20	1	UTILITY SINK, DROP-IN	1/2"	14"	1/2"	14"			1-1/2"	FS	
23	1	HAND SINK, DROP-IN	1/2"	14"	1/2"	14"	1-1/2"	12"			
27	1	AUTO WATERFILL	1/2"	14"							
27	1	HOT/COLD PAN, DROP-IN							1"	FS	DRAIN SHUT-OFF VALVE
28	1	AUTO WATERFILL	1/2"	14"							ISOLATION VALVE
28	1	HOT/COLD PAN, DROP-IN							1"	FS	DRAIN SHUT-OFF VALVE
51	1	AUTO WATERFILL	1/2"	14"							
51	2	HOT/COLD PAN, DROP-IN							1"	FS	DRAIN SHUT-OFF VALVE
70	1	SINK, HAND, WALL-MOUNT	1/2"	14"	1/2"	14"	1-1/2"	12"			
74	1	OVEN-STEAMER, COMBI ELECTRIC	3/4"	14"					2"	FS	WATER SUPPLY 25-85 PSI. 1st & 3rd WATER ARE FOR STEAM GENERATORS, 2nd & 4th FOR CONDENSERS. CONNECT DRAIN TO HIGH TEMP. PIPING. PROVIDE 1/2" ADJUST & SOLENOID VALVE WITH 1/2" CW PIPING TO FLOOR SINK
80	1	UTILITY SINK, DROP-IN	1/2"	14"	1/2"	14"			1-1/2"	FS	
82	1	AUTO WATERFILL	1/2"	14"							
82	1	HOT/COLD PAN, DROP-IN							1"	FS	DRAIN SHUT-OFF VALVE
90	2	ICE MAKER & DISPENSER	1/2"	14"					3/4"	FS	WATER FILTRATION SYSTEM
91	2	MULTI BEVERAGE DISPENSER	1/4"	14"					1"	FS	
100.2	2	EVAPORATOR COIL, COOLER							3/4"	FD	
100.5	1	EVAPORATOR COIL, FREEZER							3/4"	FD	

EXISTING EQUIPMENT RELOCATED FROM DEMOLITION DRAWINGS

E75	1	MILK DISPENSER	1/4"	14"					3/4"	FS	DRAIN LINE SHALL BE ROUTED TO FLOOR SINK
E81	1	THERMAL COFFEE BREWER, DOUBLE	1/4"	14"							ESTIMATED UTILITIES - FIELD VERIFY
E114	1	HOT/COLD PAN, DROP-IN							1"	FS	DRAIN SHUT-OFF VALVE
E115	1	HOT/COLD PAN, DROP-IN							1"	FS	DRAIN SHUT-OFF VALVE
E116	1	HOT/COLD PAN, DROP-IN							1"	FS	DRAIN SHUT-OFF VALVE

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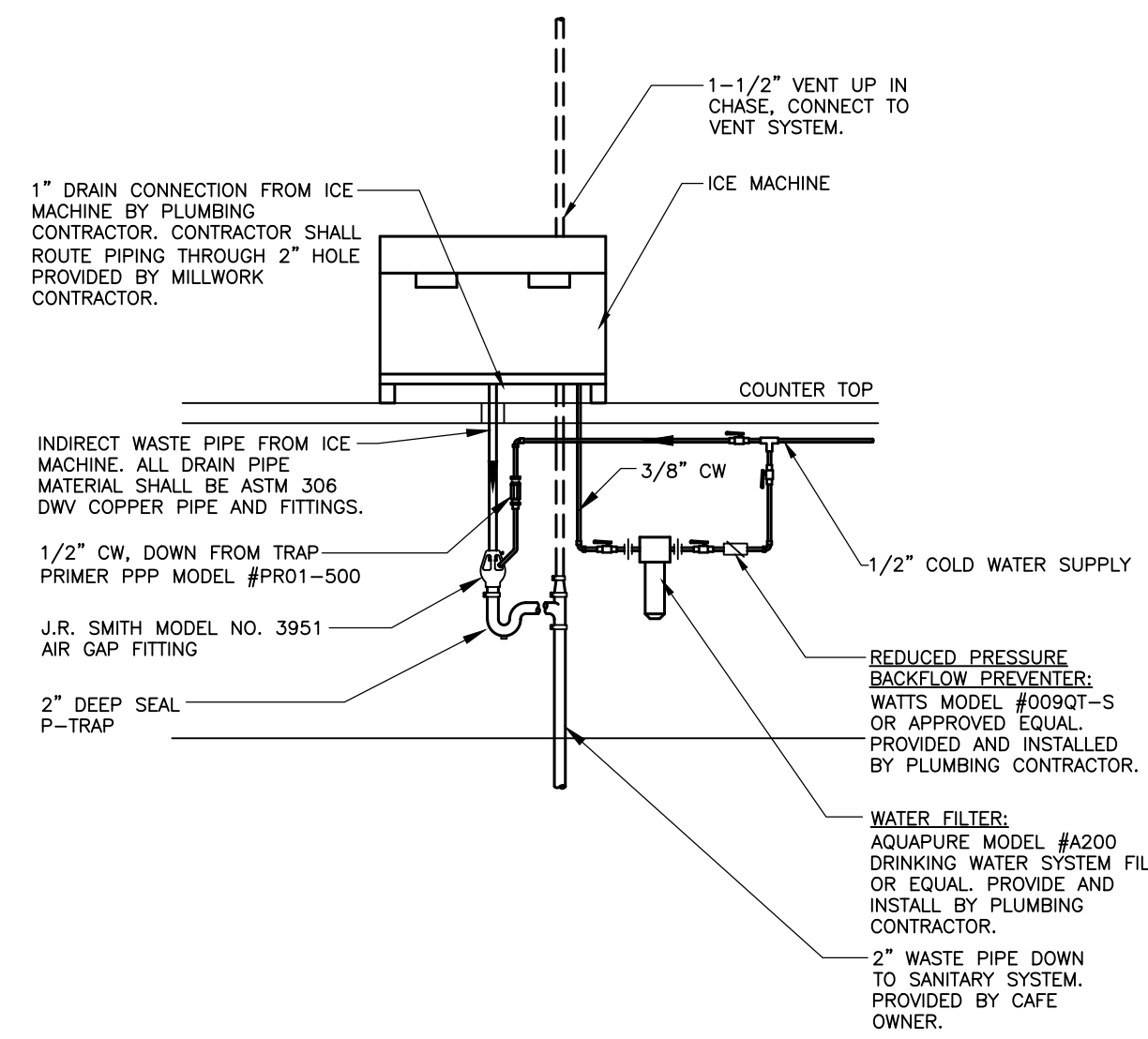
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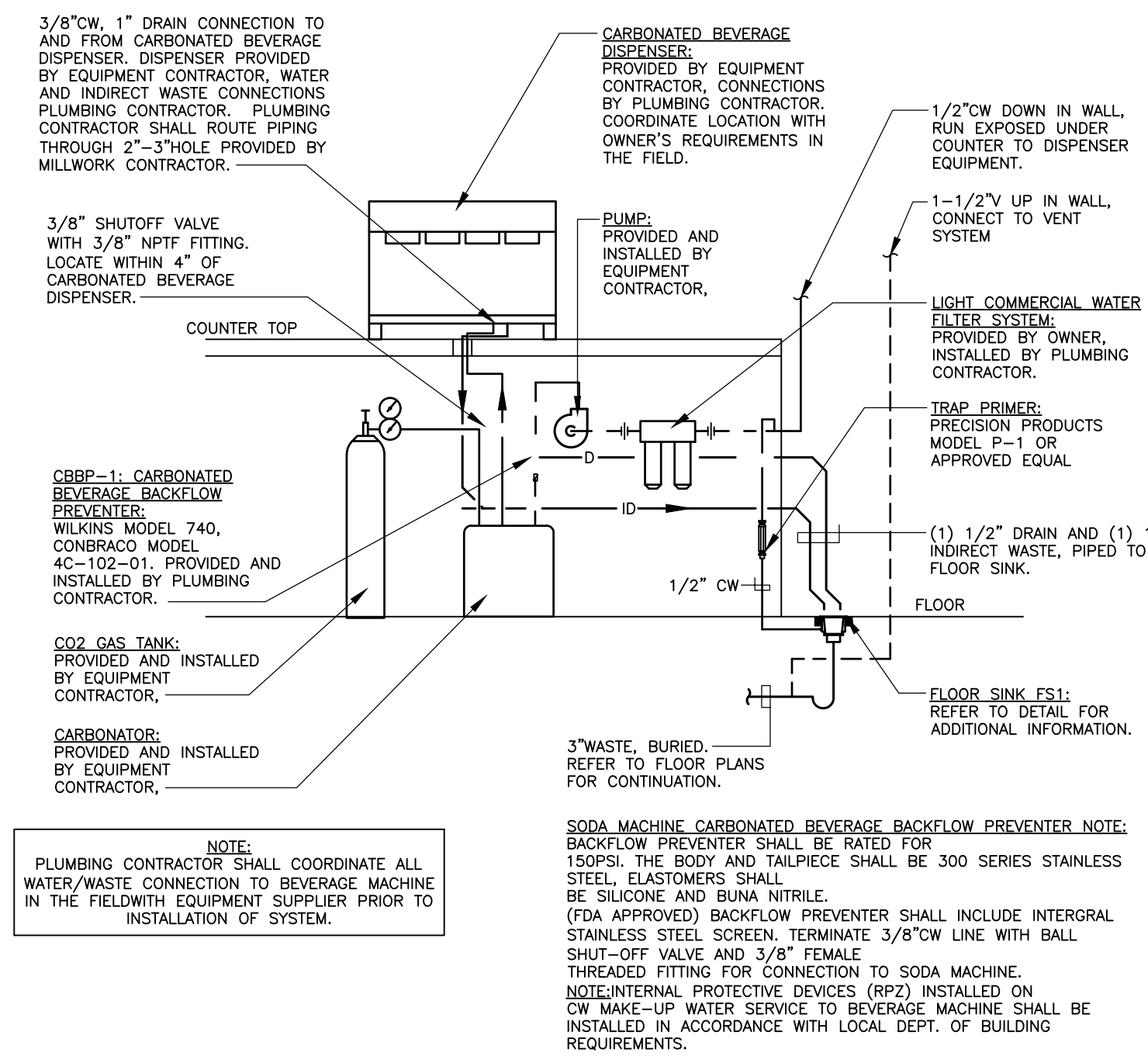
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FIRST FLOOR PLUMBING PLAN

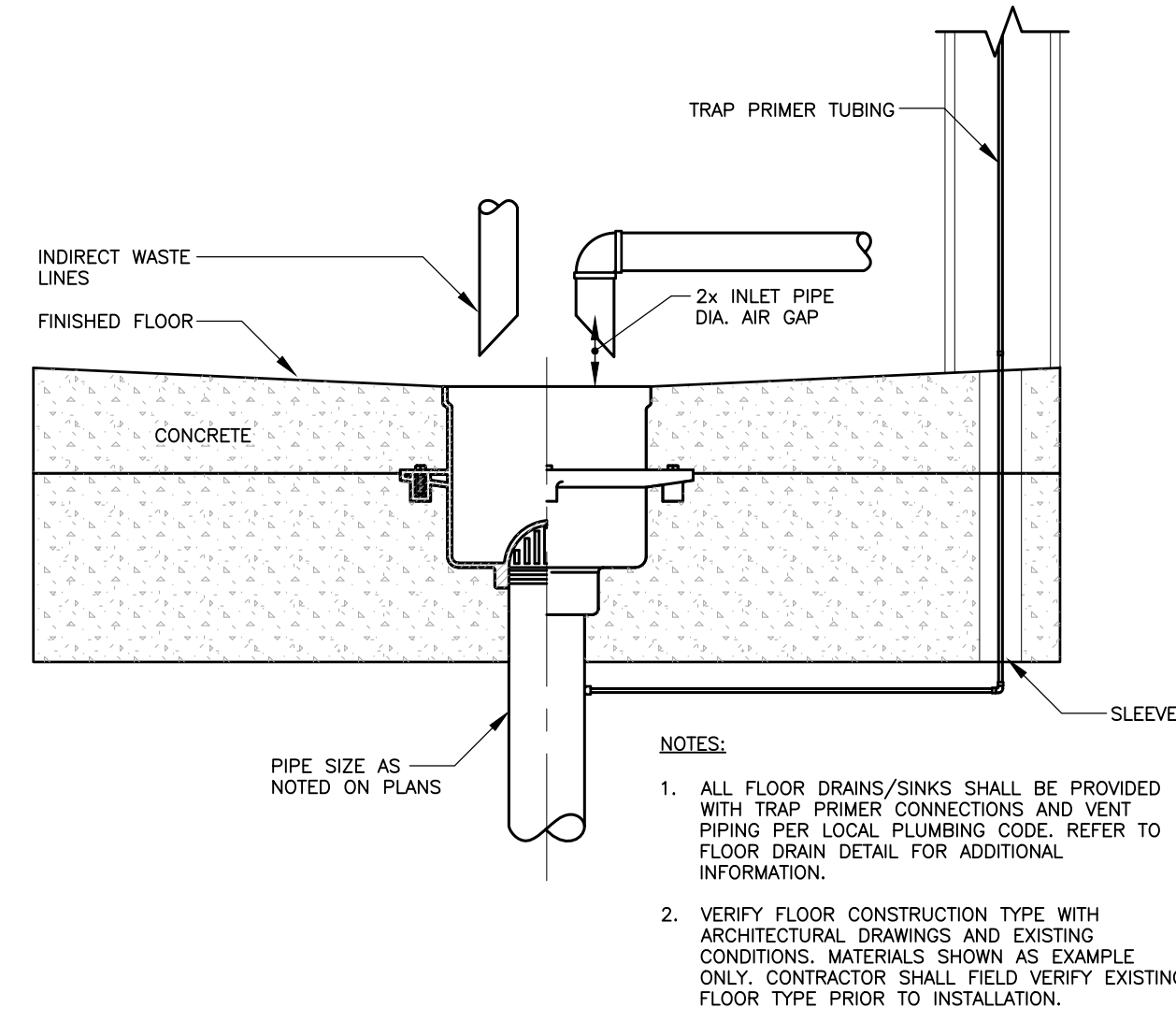
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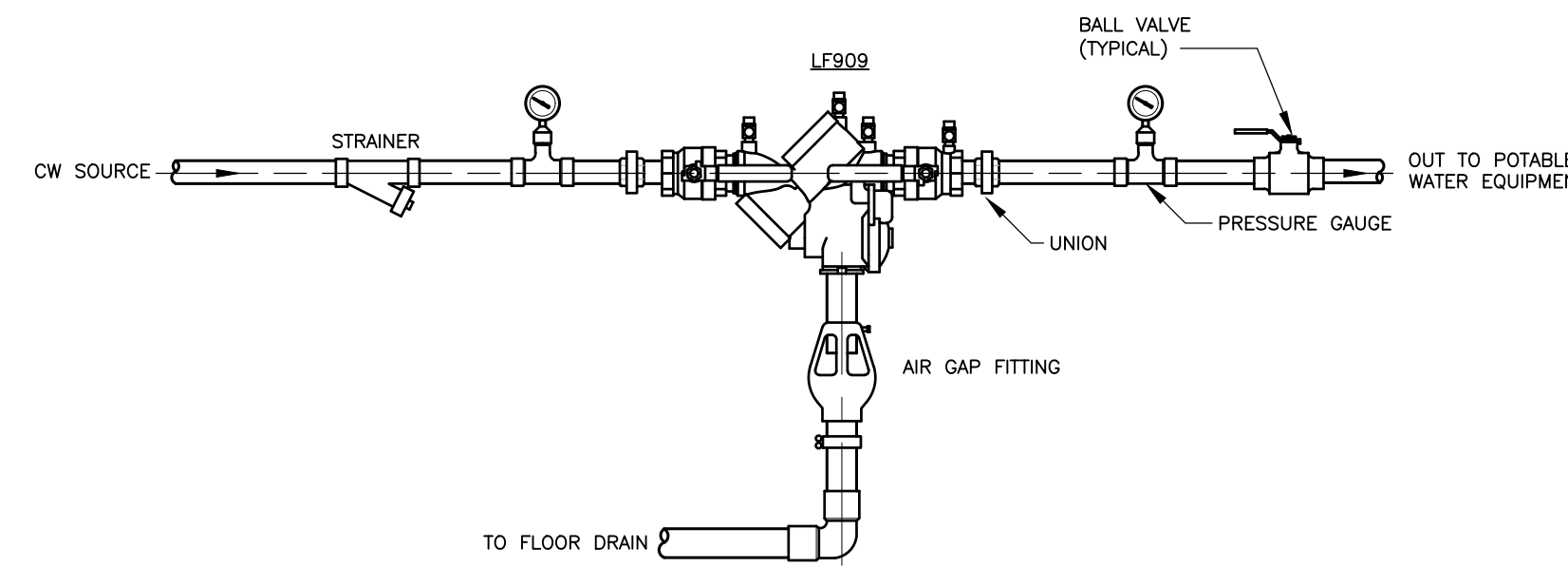
TYPICAL COUNTER TOP ICE MACHINE CONNECTION DETAIL
N.T.S.



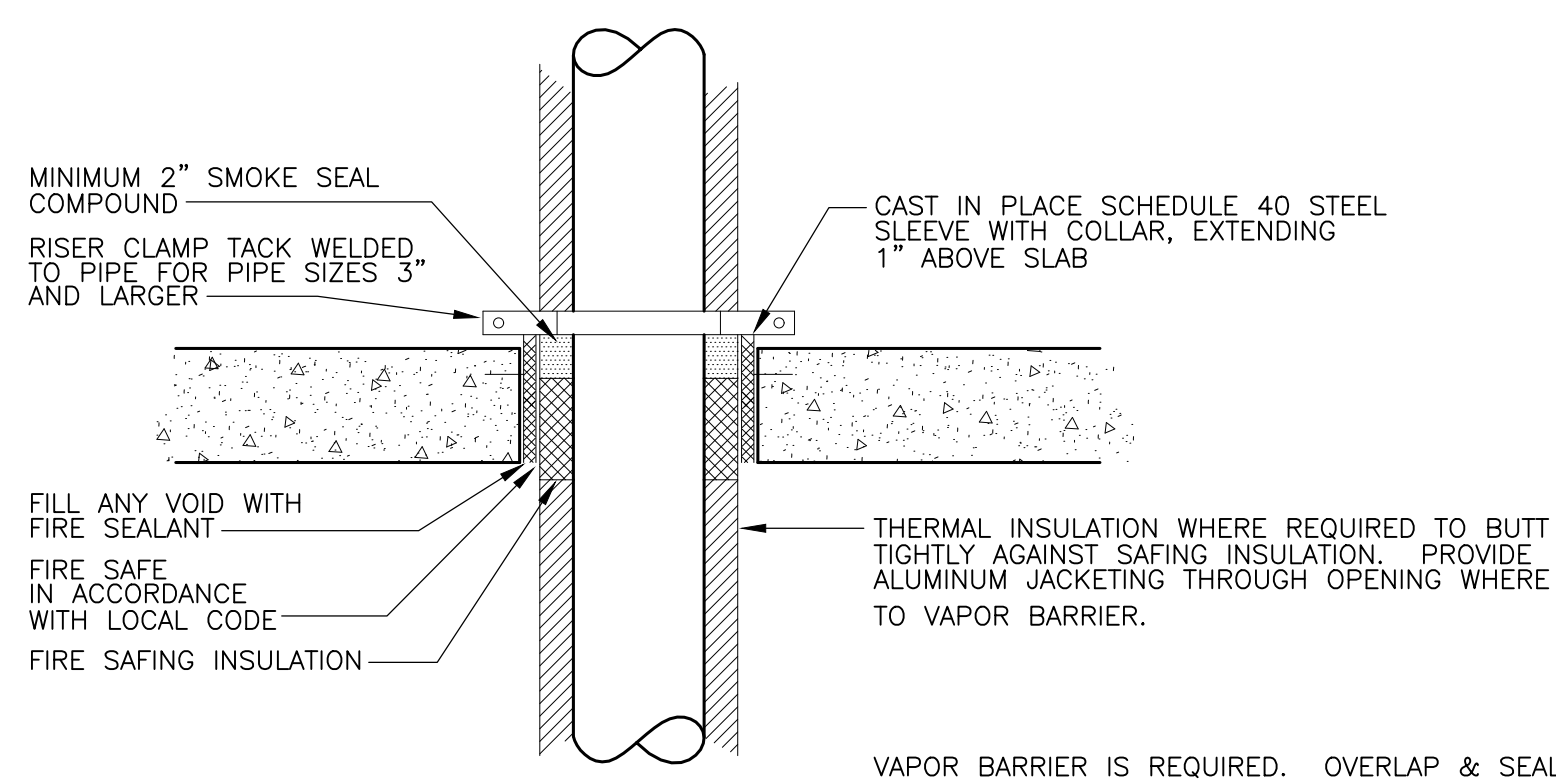
TYPICAL CARBONATED BEVERAGE SYSTEM CONNECTION DETAIL
N.T.S.



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

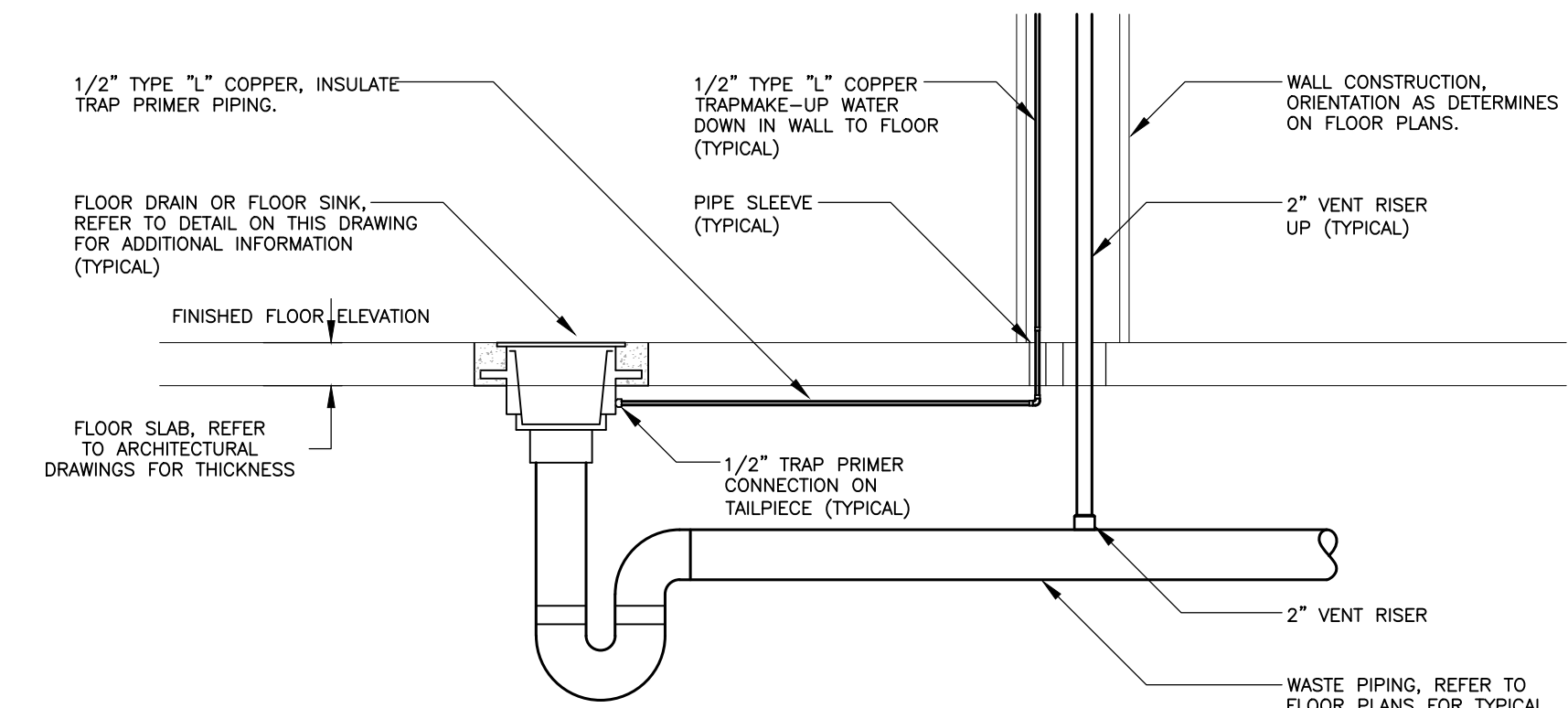


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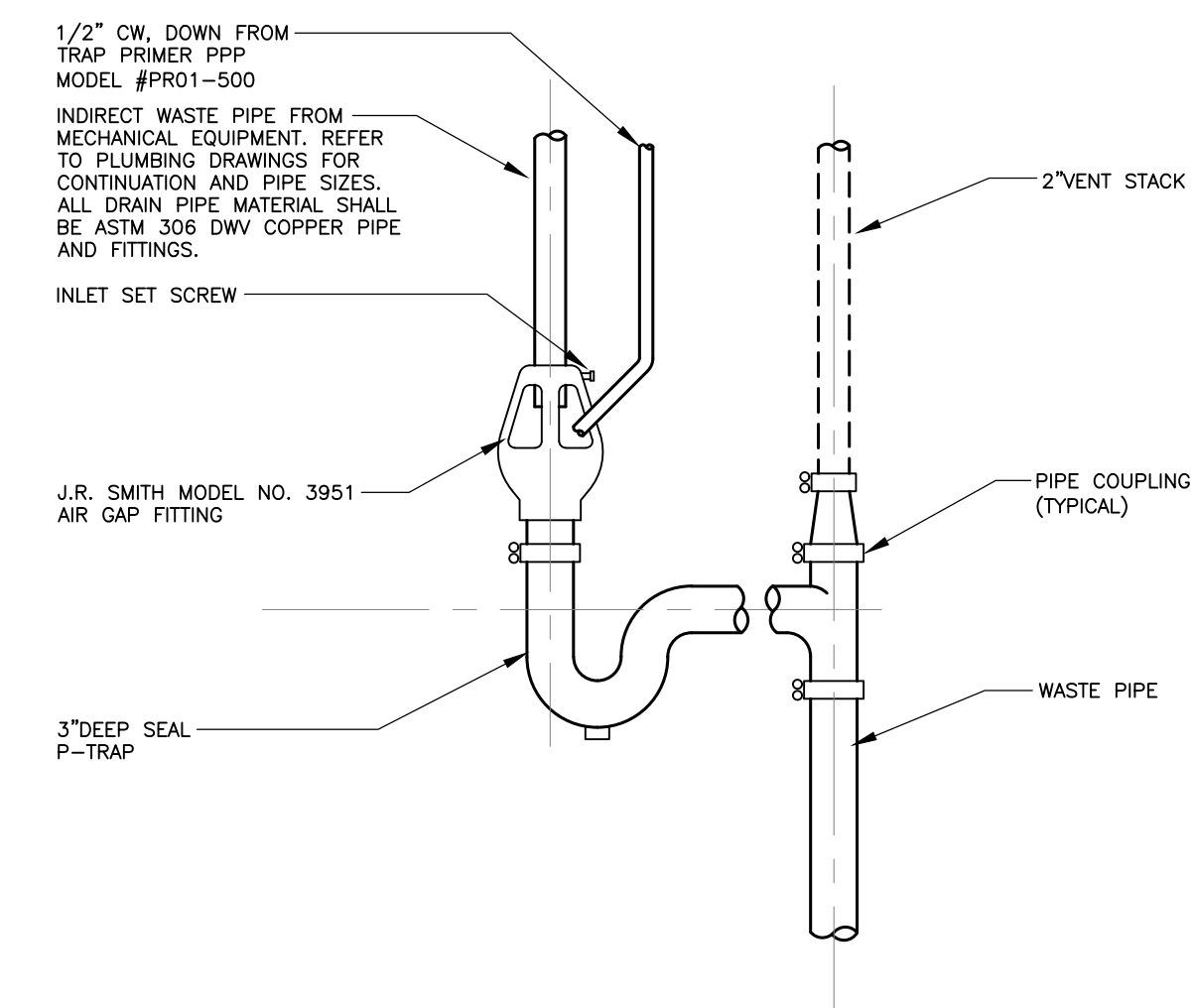


TYPICAL PIPING FLOOR PENETRATION AND RISER SUPPORT DETAIL
N.T.S.

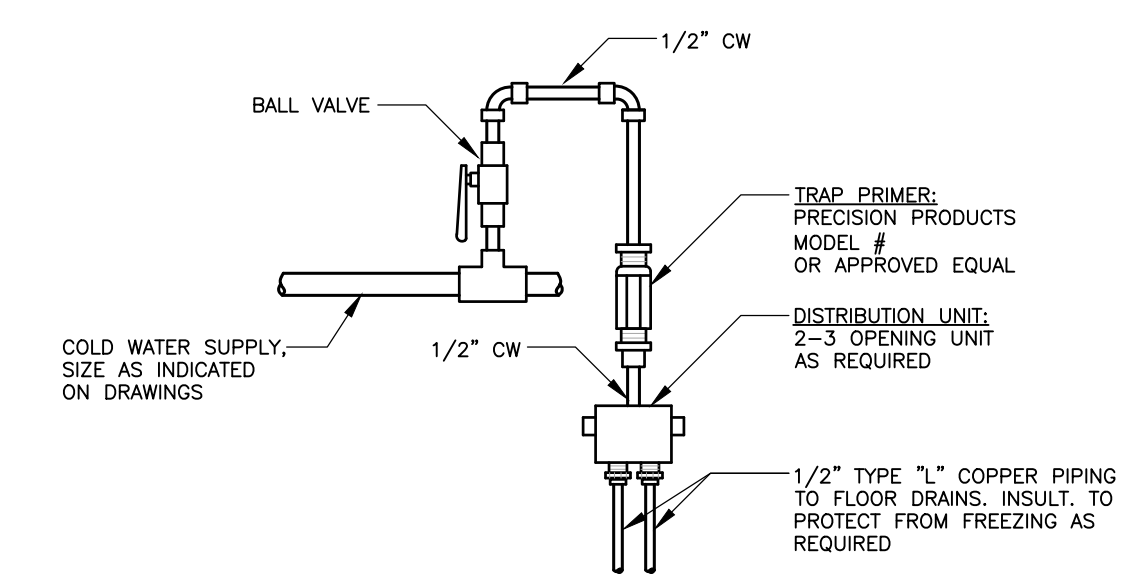
- NOTES:
1. SLEEVES TO BE SIZED AS REQUIRED FOR OVERALL PIPE DIAMETER. (INCLUDING INSULATION, WHERE APPLICABLE)
 2. RISER CLAMPS FOR COPPER PIPING SHALL BE COPPER PLATED.



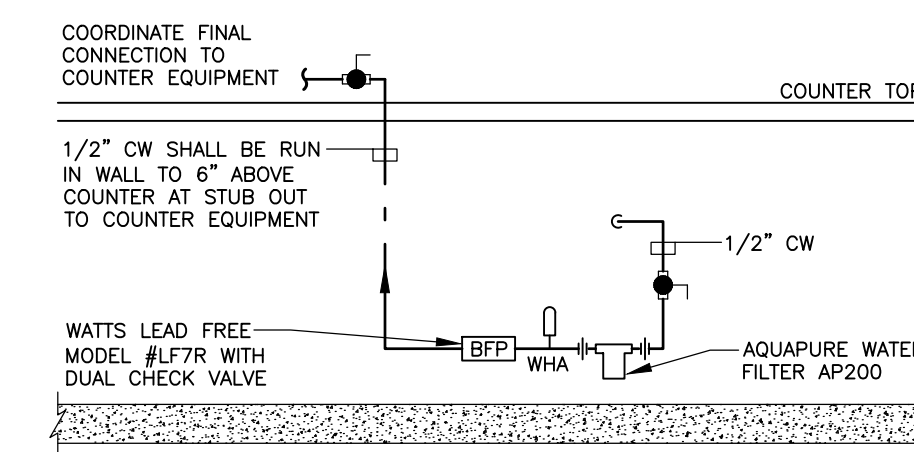
TYPICAL FLOOR DRAIN SERVICE PIPING INSTALLATION DETAIL
SCALE: N.T.S.



TYPICAL INDIRECT WASTE TO SANITARY - WASTE CONNECTION DETAIL
SCALE: N.T.S.

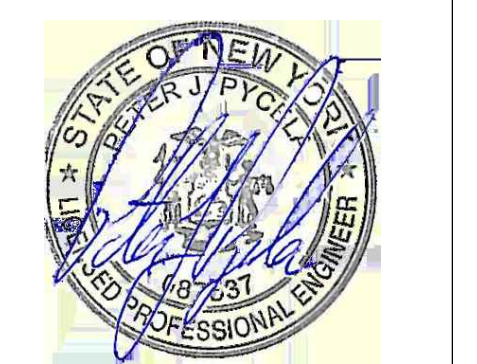


TYPICAL TRAP PRIMER INSTALLATION DETAIL
N.T.S.



TYPICAL COUNTER EQUIPMENT WATER SUPPLY DETAIL
SCALE: N.T.S.

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P-200

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PLUMBING DRAIN SPECIALTIES SCHEDULE					
SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
EQ01	FLOOR CLEANOUT	JR SMITH MODEL # 4021S-PB	FLOOR CLEANOUT: DUKO CAST IRON BODY WITH FLASHING CLAMP, ADJUSTABLE SCORATED POLISHED BRONZE TOP, BRONZE FLUG.	-	# 1
ED	FLOOR DRAIN	JR SMITH MODEL # 2131Y-B-P050	FLOOR DRAIN: DUKO CAST IRON BODY WITH FLASHING COLLAR, CAST IRON TRACTOR GRATE.	SEDIMENT BUCKET, TRAP PRIMER CONNECTION	# 1,2
ELS1	FLOOR SINK	JR SMITH MODEL # 3100Y-12	FLOOR SINK: 8 1/2" SQUARE, 6" DEEP FLOOR SINK, WELD CONNECTION, LOOSE SET HALF GRATE, DOME BOTTOM STRAINER, SEDIMENT BUCKET.	TRAP PRIMER CONNECTION	# 1,2
ELS2	FLOOR SINK	JR SMITH MODEL # 3100Y-12	FLOOR SINK: 8 1/2" SQUARE, 6" DEEP FLOOR SINK, WELD CONNECTION, LOOSE SET FULL GRATE, DOME BOTTOM STRAINER, SEDIMENT BUCKET.	TRAP PRIMER CONNECTION	# 1,2
ELS3	FLOOR SINK	JR SMITH MODEL # 3100Y-12	FLOOR SINK: 8 1/2" SQUARE, 6" DEEP FLOOR SINK, WELD CONNECTION, LOOSE SET OPEN GRATE, DOME BOTTOM STRAINER, SEDIMENT BUCKET.	TRAP PRIMER CONNECTION	# 1,2
REMARKS: 1. REFER TO FLOOR PLANS FOR SIZES. 2. PROVIDE WITH TRAP PRIMER I.P.L. UNLESS NOTED OTHERWISE. 3. ALL FLOOR DRAINS AND SINKS NOTED ON DRAWINGS SHALL BE PROVIDED WITH A FUNNEL.					

PLUMBING WATER SPECIALTIES SCHEDULE					
SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
DCV1	DOUBLE CHECK VALVE	WATTS MODEL # UP TO 2" LF007 2" AND OVER LF709	DOUBLE CHECK VALVE, ASSE 1015, LEAD FREE DOUBLE CHECK VALVE ASSEMBLY, CENTER STEM GUIDING, CHECK CAPTURED SPRING, ACCESSIBLE THROUGH A BOLTED COVER, REPLACABLE SEATS WITHOUT SPECIAL TOOLS.	SHUT-OFF VALVES, STRAINER, TEST COCKS	#1,2
RBP01	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS MODEL # UP TO 1" LF909 1 1/4" 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.	#1,2,4,5
TP	TRAP PRIMER	PPP MODEL # PRO1-500	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 AIR GAP FITTING AND PIPE DRAIN TO NEAREST FLOOR DRAIN. 5. MOUNT MAX OF 5'-0" ABOVE FINISHED FLOOR.					

PIPING & MATERIALS SCHEDULE					
PIPING SYSTEM	SIZE	PIPING MATERIALS	JOINTS	FITTINGS	ADDITIONAL COMMENTS
DOMESTIC HOT, COLD & RETURN WATER PIPING	1/2" - 2"	HARD COPPER TUBE: ASTM B 88, TYPE L WATER TUBE, DRAWN TEMPER	SOLDER FILLER METALS: ASTM B 32, LEAD-FREE ALLOYS	WROUGHT-COPPER SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS	PROVIDE 1" INSULATION ON ALL CW, HW & HWR PIPING IN ALL AREAS
DOMESTIC HOT, COLD & RETURN WATER PIPING (BELOW SLAB)	1/2" - 2"	SOFT COPPER TUB: ATM 888, TYPE K, WATER TUB, DRAWN TEMPER	NO JOINTS UNDER GROUND IF POSSIBLE; IF REQUIRED FLARED JOINTS ARE ACCEPTABLE.	CAST BRONZE FLARED FITTINGS	PROVIDE 1/2" INSULATION ON ALL CW & HW PIPING IN ALL AREAS. PROVIDE PVC SLEEVES FOR ALL PIPING UNDER SLAB BETWEEN WALL AND DENTAL EQUIPMENT
ABOVE GROUND SOIL, WASTE, VENT & STORM	ALL	HUBLESS, CAST-IRON PIPE AND FITTINGS: ASTM A 888 OR CISPI 301	HUBLESS HEAVY DUTY COUPLINGS, ASTM C 1540	ASTM A 888 OR CISPI 301	PROVIDE 1" INSULATION INTERIOR STORM PIPING (NEW & EXISTING)
INDIRECT DRAIN PIPING	ALL	COPPER L TUBE: ASTM B 88, DRAINAGE TUBE, DRAWN TEMPER	SOLDERED JOINTS: ASTM B 813, WATER - FLUSHABLE FLUX TO END OF TUBE	ASME B16.22, WROUGHT-DW PRESSURE FITTINGS	-

PLUMBING PIPING LEGEND	
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATION
	SODA MACHINE PIPING CONDUIT
	WASTE, SANITARY OR SOIL
	WASTE, SANITARY, SOIL BURIED
	TRAP PRIMER WATER LINE
	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
	FLOOR DRAIN
	FLOOR SINK (HALF GRATE)
	FLOOR SINK (OPEN GRATE)
	TRAP PRIMER
	UNION
	PETCOCK
	BALL VALVE
	CHECK VALVE
	BACKFLOW PREVENTER ASSEMBLY (RPD W/ DRAIN PIPING)
	GATE VALVE
	GAS VALVE (BALL OR PLUG)
	VALVE IN PIPE DROP
	VALVE IN PIPE RISER
	DRAIN VALVE
	PLUMBING WORK ITEM NOTE
	PLUMBING FIXTURE DESIGNATION
	CONNECT TO EXISTING

ABBREVIATIONS	
AFB	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER DEVICE
C, CW	COLD WATER
CO	CLEANOUT
CIE	CONNECT TO EXISTING
FD	FLOOR DRAIN
FS	FLOOR SINK
G	GAS
GPM	GALLONS PER MINUTE
H, HW	HOT WATER
HWR	HOT WATER RECIRCULATION
IW	INDIRECT WASTE
INV. ELEV.	INVERT ELEVATION
NIC	NOT IN CONTRACT
RPD	REDUCED PRESSURE BACKFLOW PREVENTER
SOIL	SOIL
SS	SOIL STACK
SAN	SANITARY
SMPDC	SODA MACHINE PIPING CONDUIT
TP	TRAP PRIMER
TYP	TYPICAL
V	VENT
VS	VENT STACK
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
W	WASTE
WS	WASTE STACK
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR

- ### PLUMBING DEMOLITION NOTES
1. 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.
 2. 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.
 3. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
 4. 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.
 5. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
 6. 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.
 7. 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.
 8. 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.
 9. THE PLUMBING CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 10. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
 11. THE PLUMBING CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

- ### 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 TAPPLICES, 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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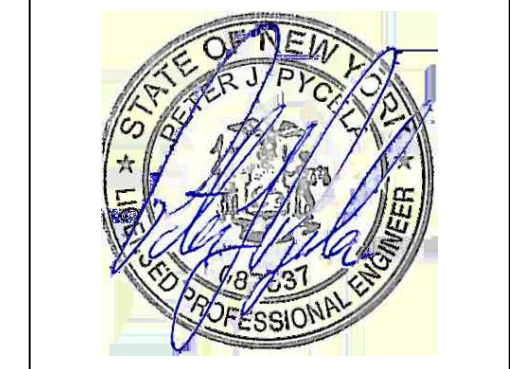
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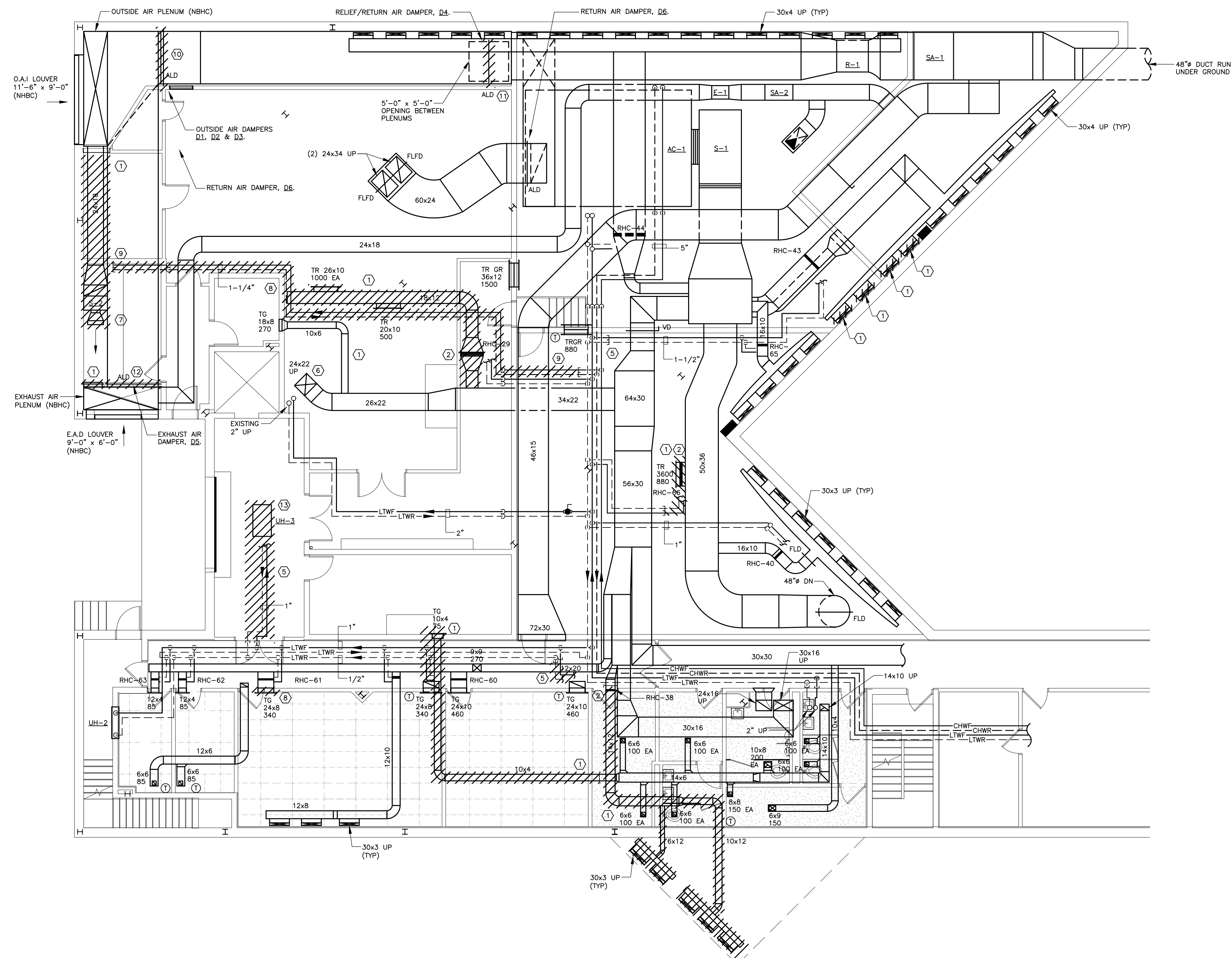
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DRAWING NAME:
PLUMBING NOTES, LEGENDS, & SCHEDULES

DRAWING NO.
P-201

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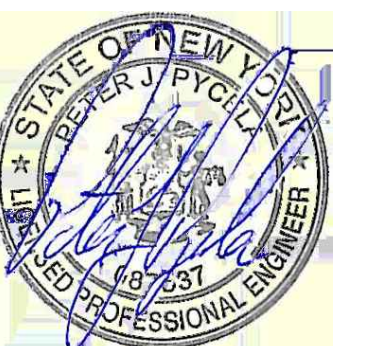
- DEMOLITION DRAWING NOTES**
- ① REMOVE EXISTING DUCTWORK AND DUCTWORK ACCESSORIES AS SHOWN BY HATCH. CAP AS SHOWN.
 - ② EXISTING REHEAT COIL TO BE RELOCATED. DISCONNECT FROM DUCTWORK AND HOT WATER PIPING. RETAIN EXISTING PNEUMATIC CONTROL VALVE. COIL SHALL BE CLEANED AND PREPARED FOR RE-USE.
 - ③ REMOVE EXISTING HOT WATER PIPING AS SHOWN BY HATCH. EXISTING PIPING RISERS 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 EXHAUST AIR DAMPER, D5, AND ASSOCIATED ACTUATOR TO BE REMOVED AS SHOWN HATCHED. PREPARE AREA FOR INSTALLATION OF NEW AUTOMATIC EXHAUST AIR DAMPER.
 - ⑬ EXISTING UNIT HEATER AND ASSOCIATED ACCESSORIES TO BE REMOVED. REMOVE PIPING BACK TO MAIN AND CAP.

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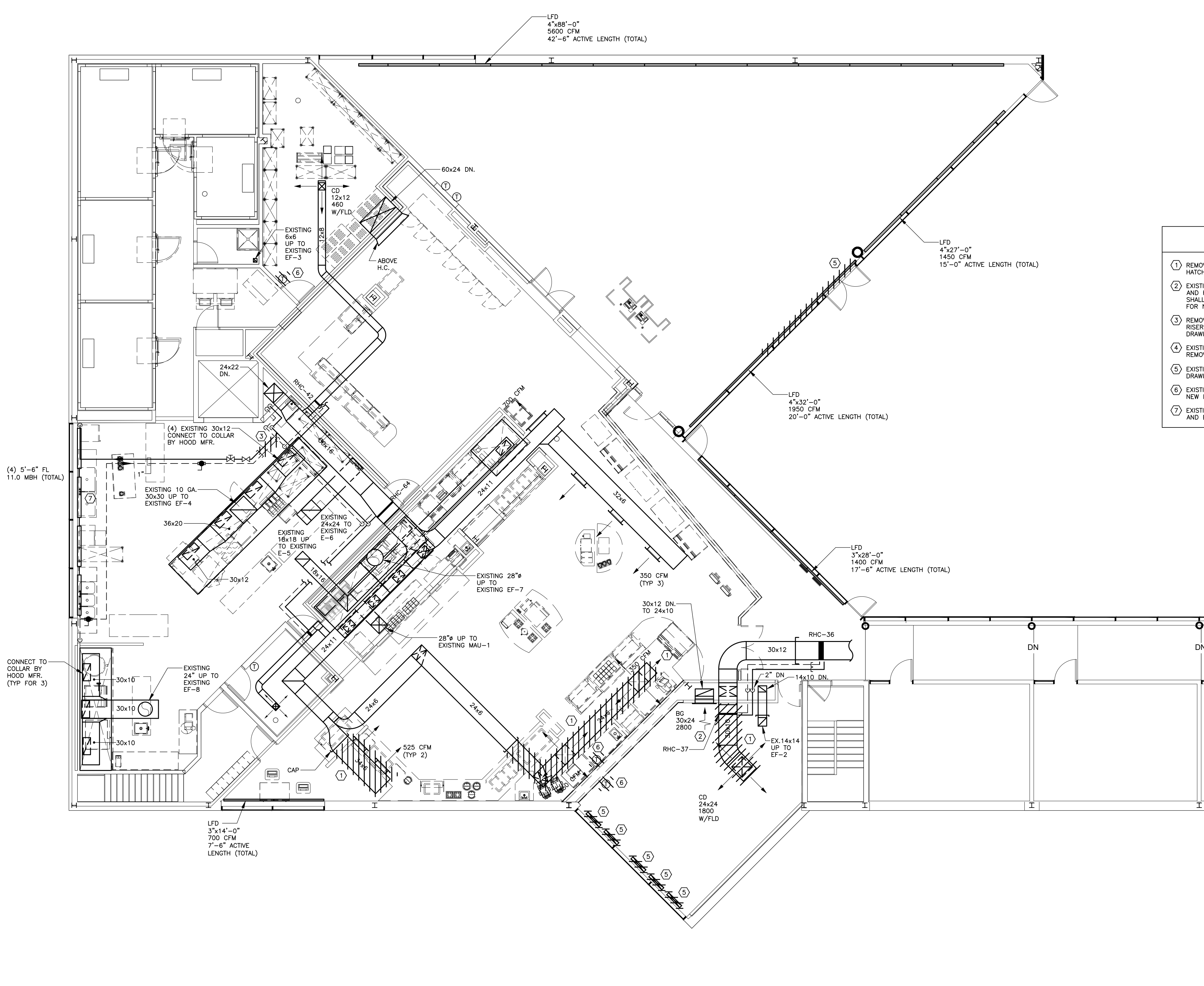
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BASEMENT MECHANICAL DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

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FIRST FLOOR MECHANICAL DEMOLITION PLAN
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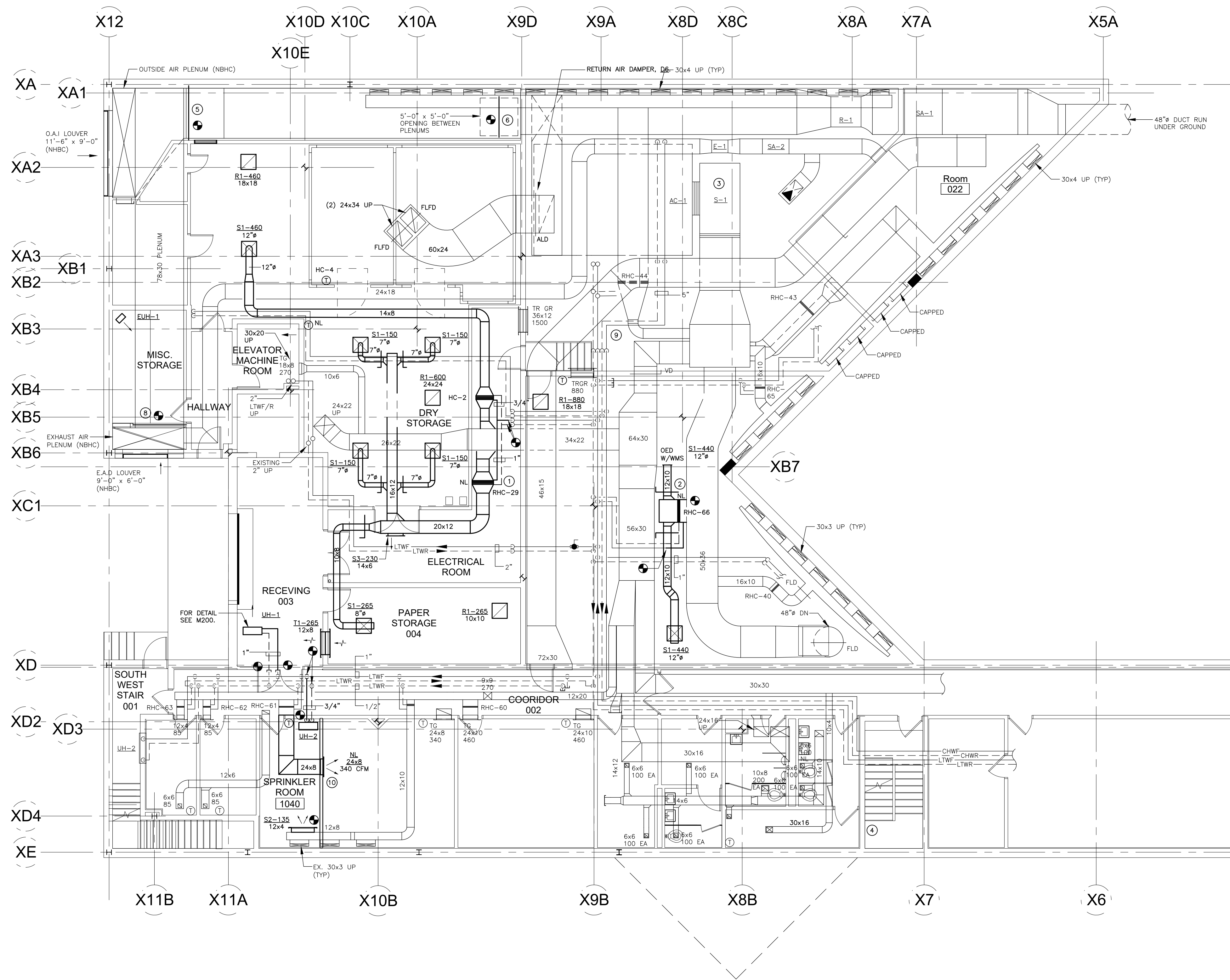
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FIRST FLOOR MECHANICAL DEMOLITION PLAN

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BASEMENT MECHANICAL PLAN
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MECHANICAL CONSTRUCTION NOTES

- 1 EXISTING REHEAT COIL, RHC-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, RHC-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 TURNING 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 ALTERNATE #1: PROVIDE NEW CHILLED WATER BOOSTER PUMP, CHWP-1, WITH REQUIRED SUPPORTS, ISOLATION, PIPING & PIPING SPECIALTIES, VFD, AND DIFFERENTIAL PRESSURE SENSOR. CONTRACTOR TO VERIFY OPERATION OF EXISTING PNEUMATIC, TWO-WAY CHILLED WATER COIL CONTROL VALVE. DIFFERENTIAL PRESSURE SENSOR SHALL BE INSTALLED BETWEEN PUMP DISCHARGE AND EXISTING CONTROL VALVE. 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 SCHEDULES DRAWING M204 FOR PUMP SCHEDULE. FOR INSTALLATION DETAIL, SEE DRAWING M201.
- 10 EXISTING WALL MOUNTED SUPPLY REGISTER. EXTEND BRANCH SUPPLY DUCT TO SUIT.

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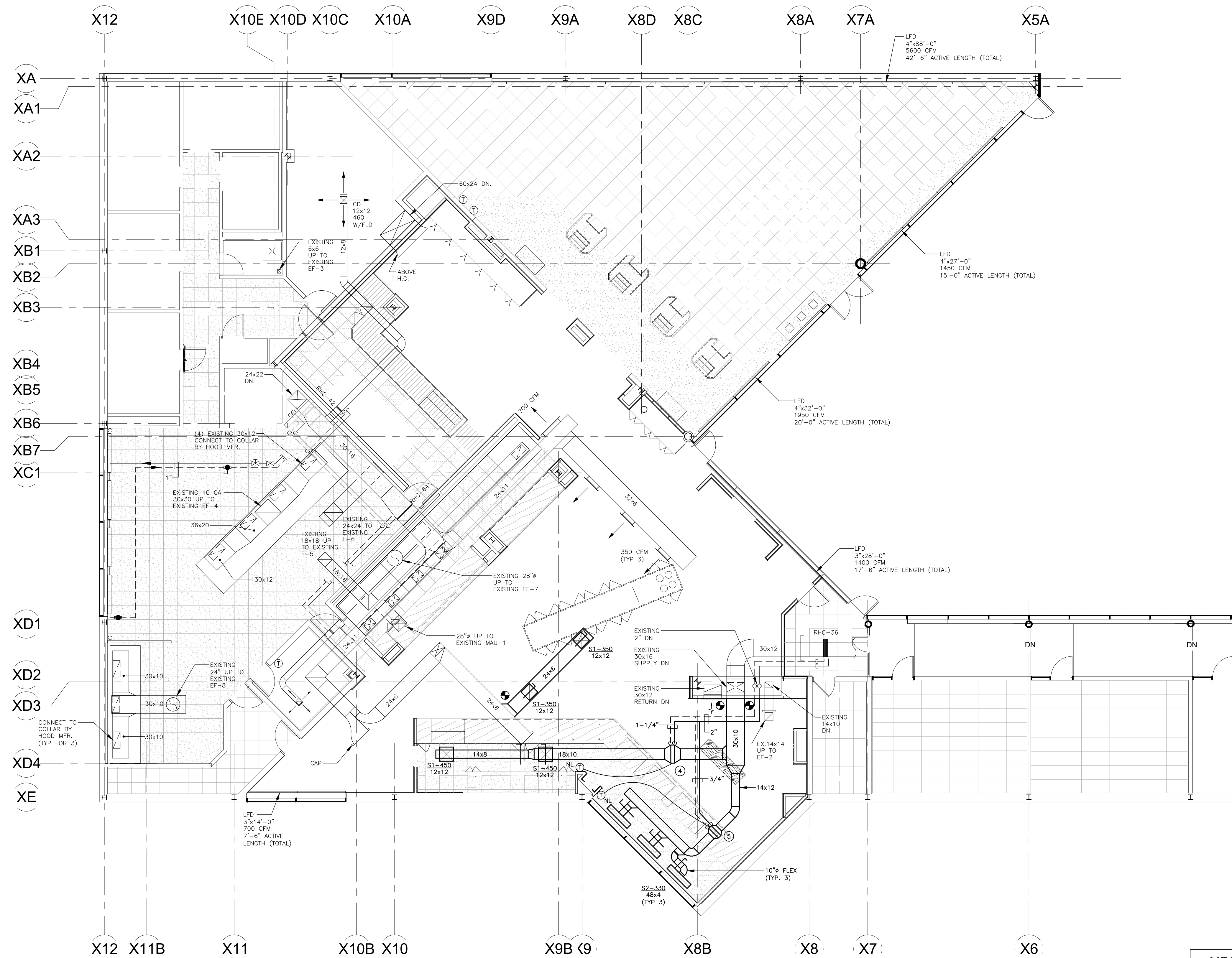


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BASEMENT MECHANICAL PLAN

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FIRST FLOOR MECHANICAL PLAN
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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 (15 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 M-200.
- 5 EXISTING REHEAT COIL RHC-38 (4 GPM). RECONNECT USING EXISTING PNEUMATIC CONTROL.

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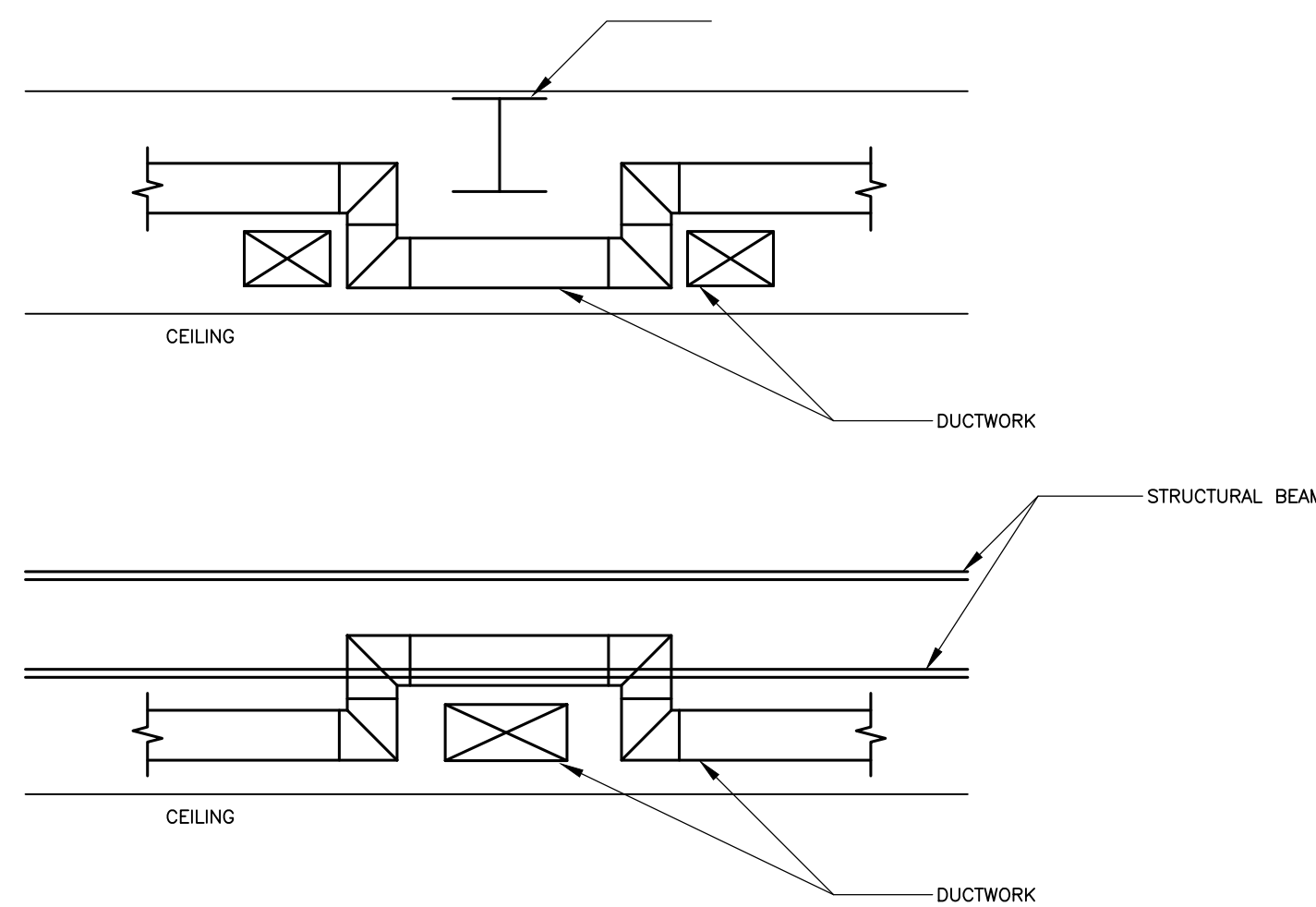
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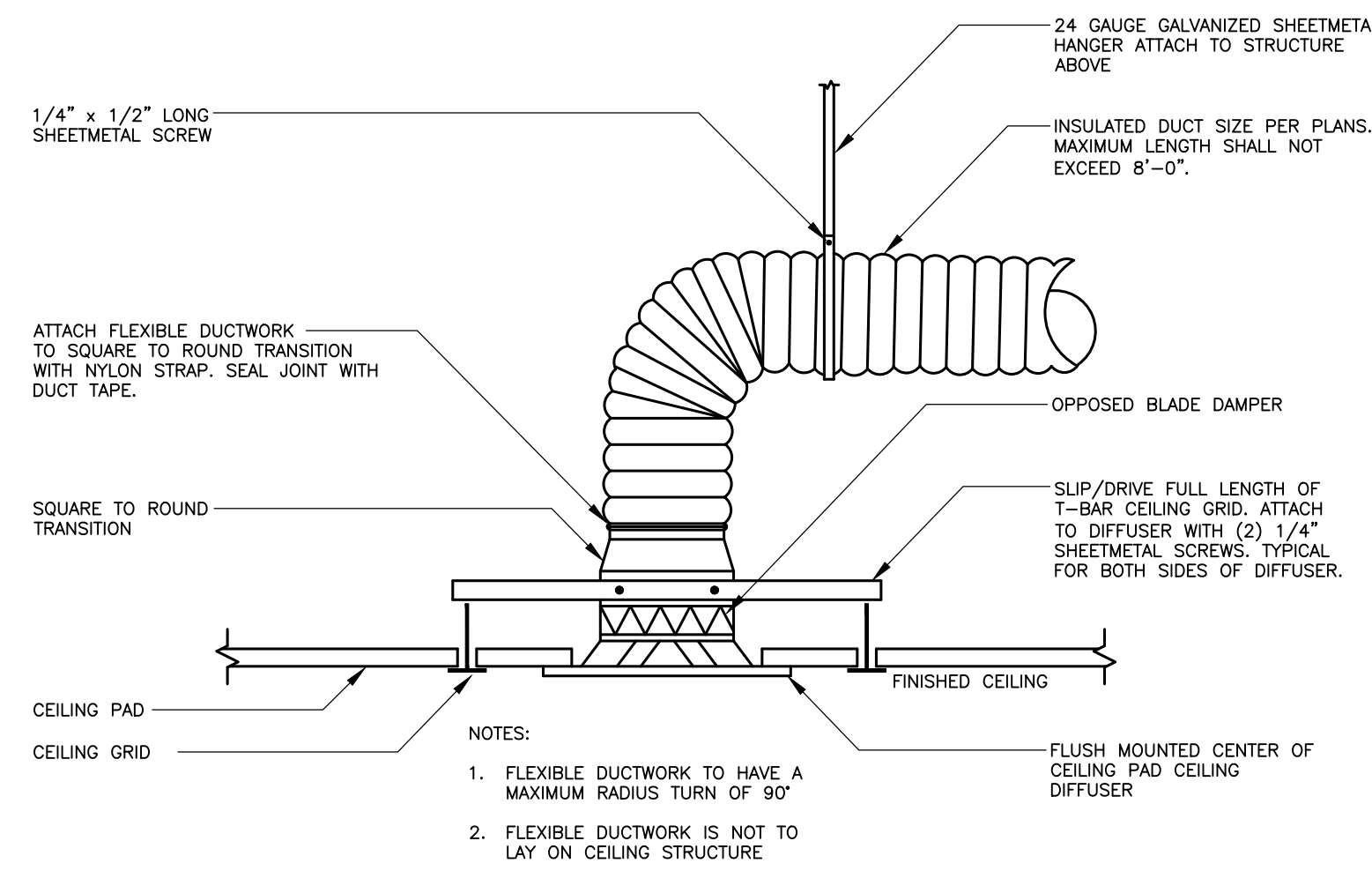
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FIRST FLOOR MECHANICAL PLAN

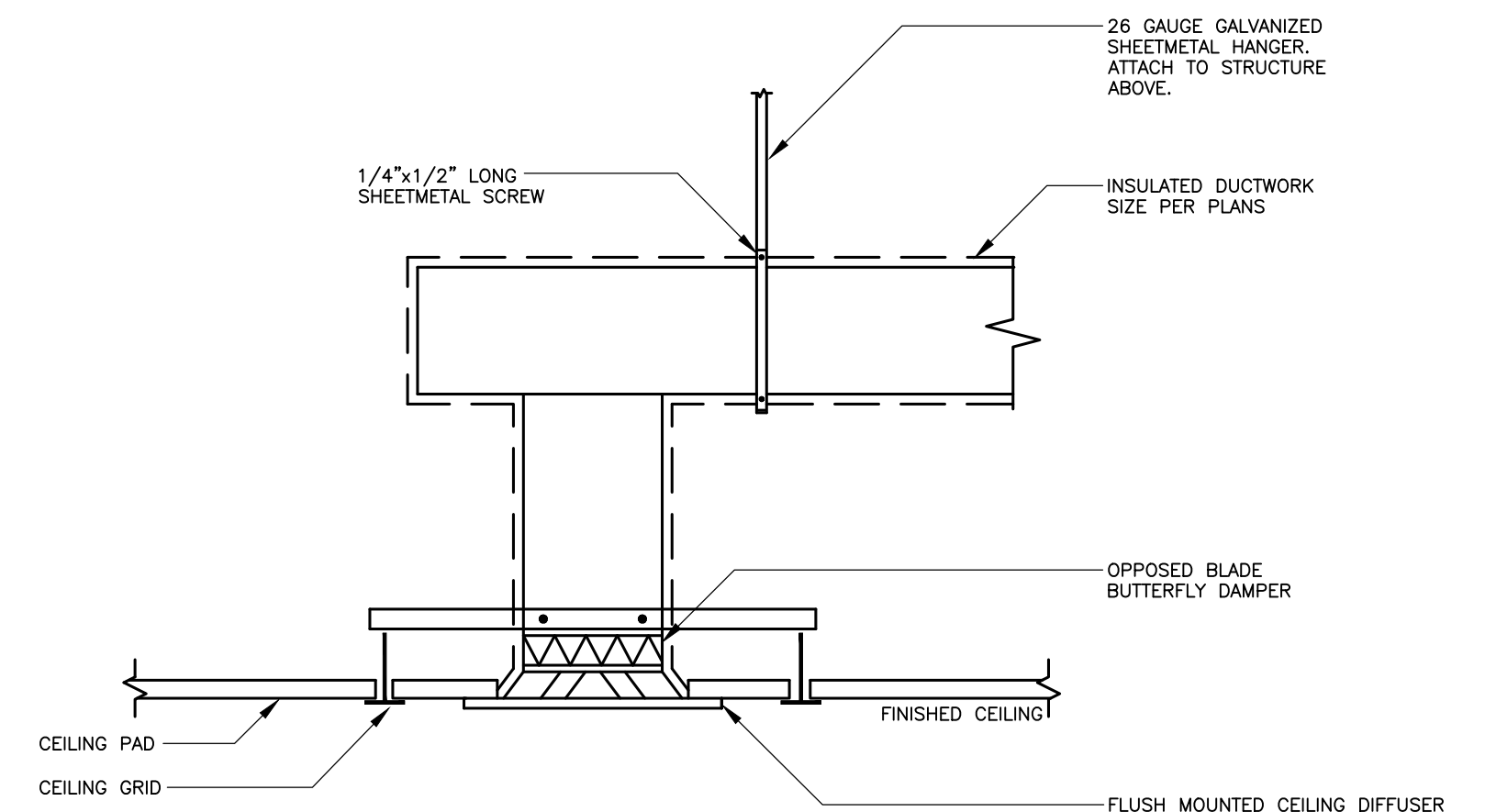
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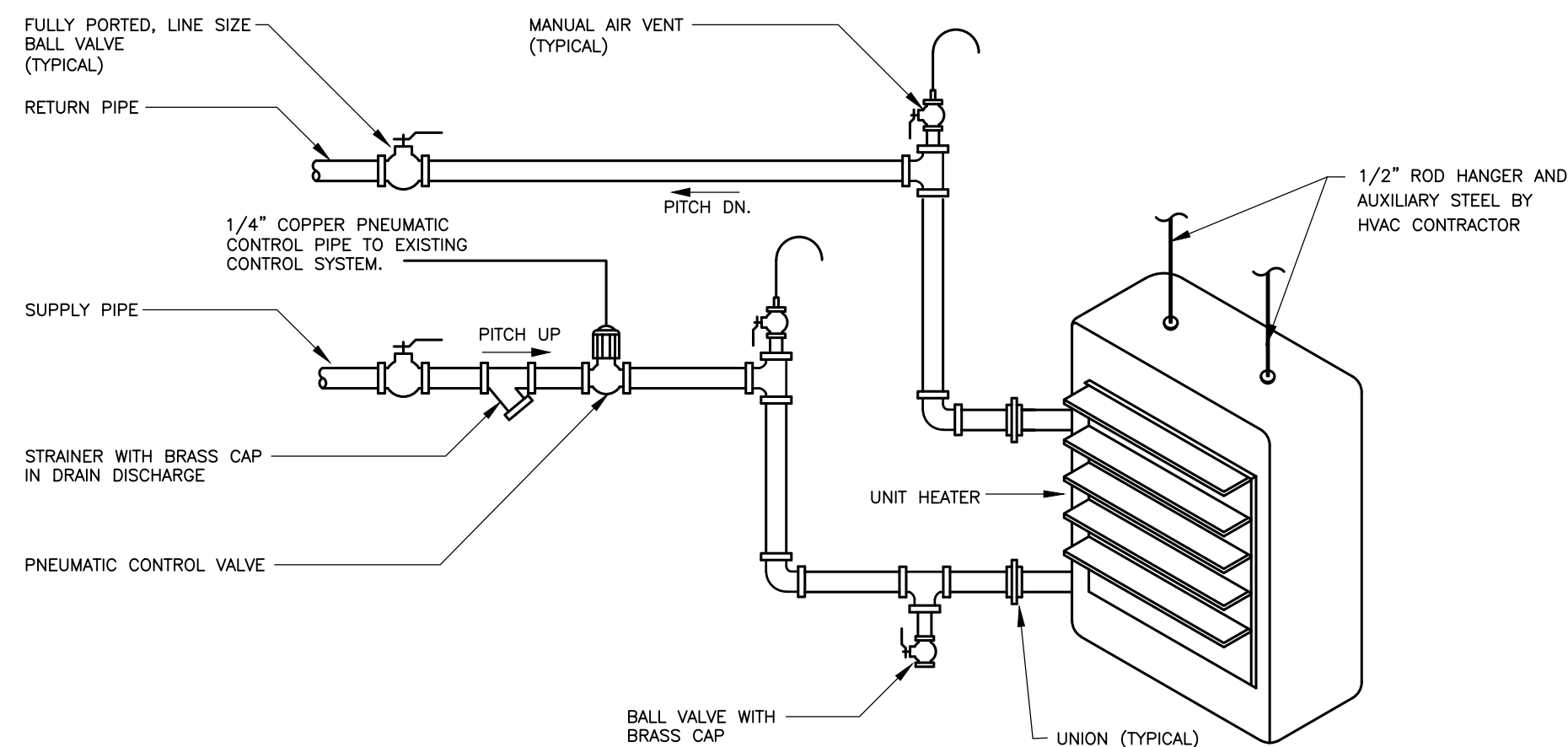
TYPICAL CROSSOVER AT ALL LOCATIONS DETAIL
N.T.S.



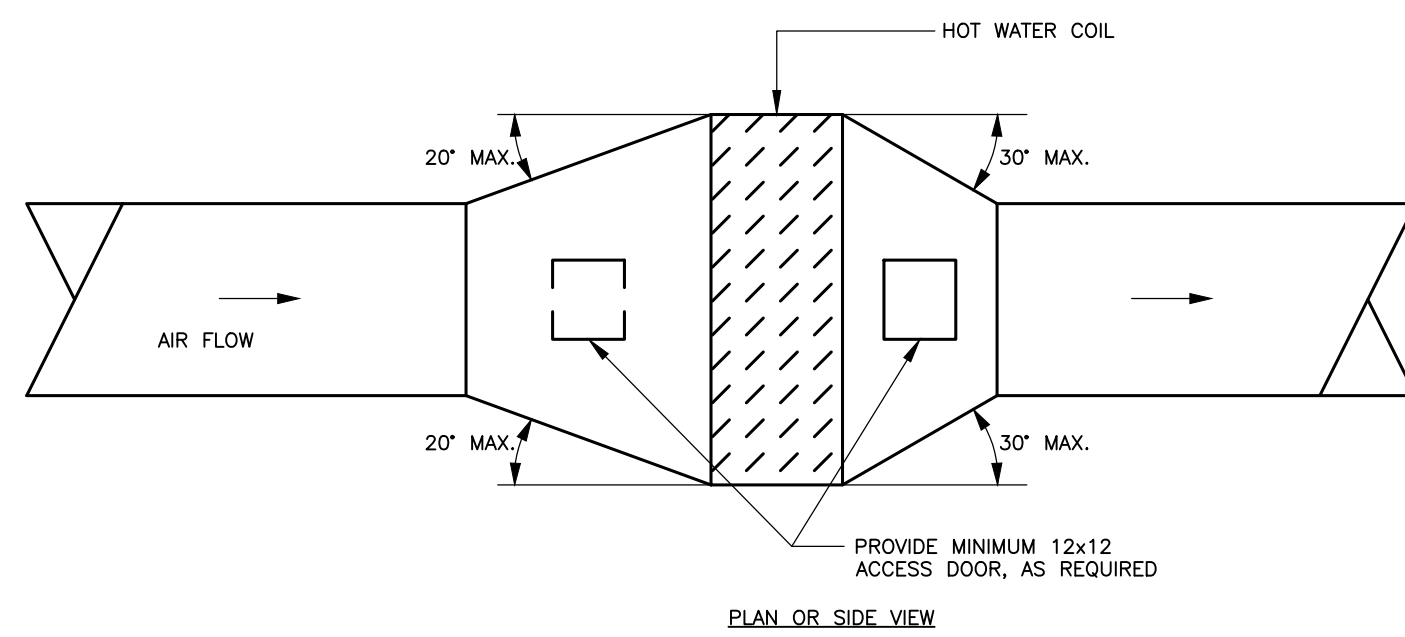
CEILING DIFFUSER FLEX DUCT CONNECTION DETAIL
N.T.S.



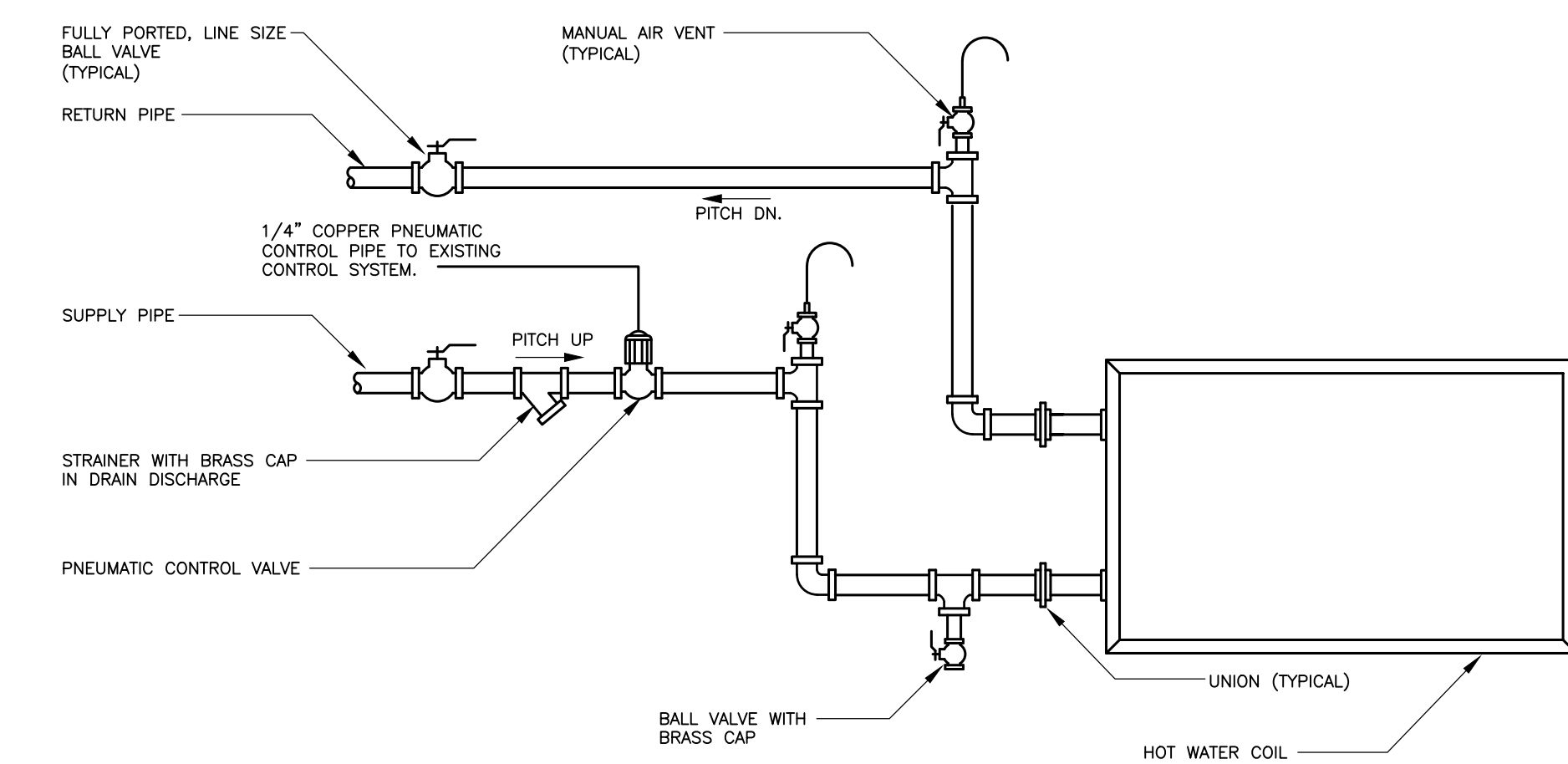
CEILING DIFFUSER DETAIL (HARD DUCT)
N.T.S.



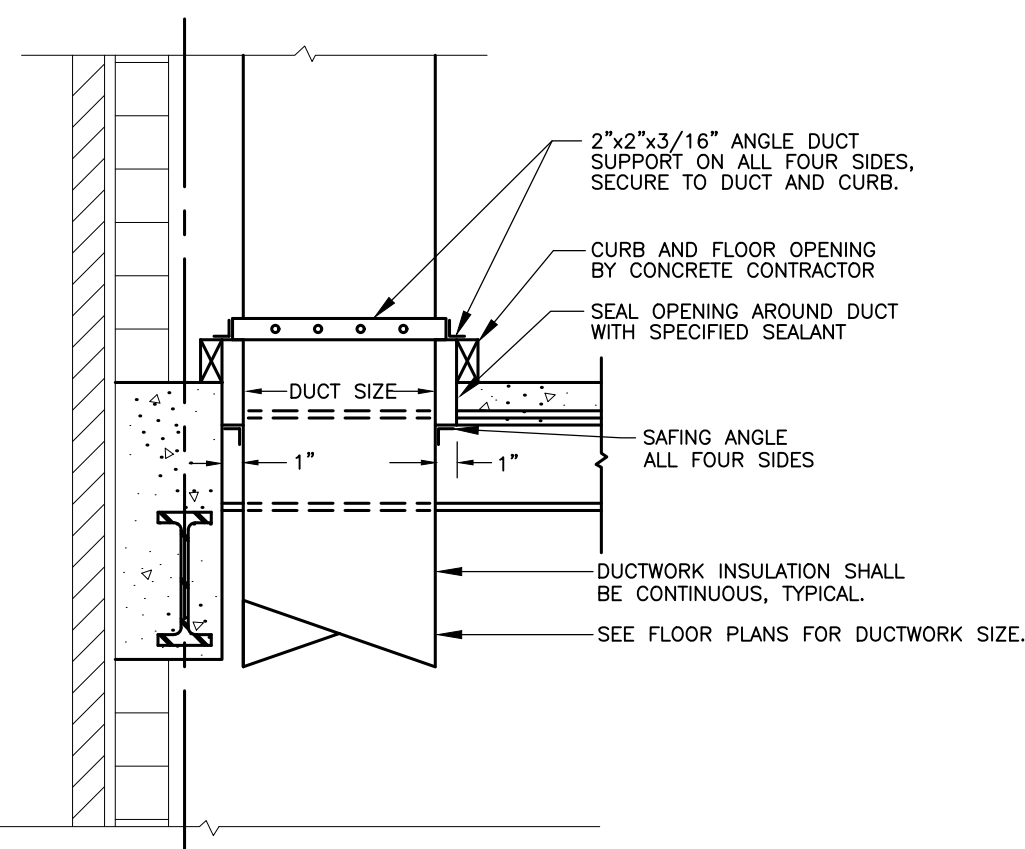
UNIT HEATER HOT WATER PIPING DETAIL
N.T.S.



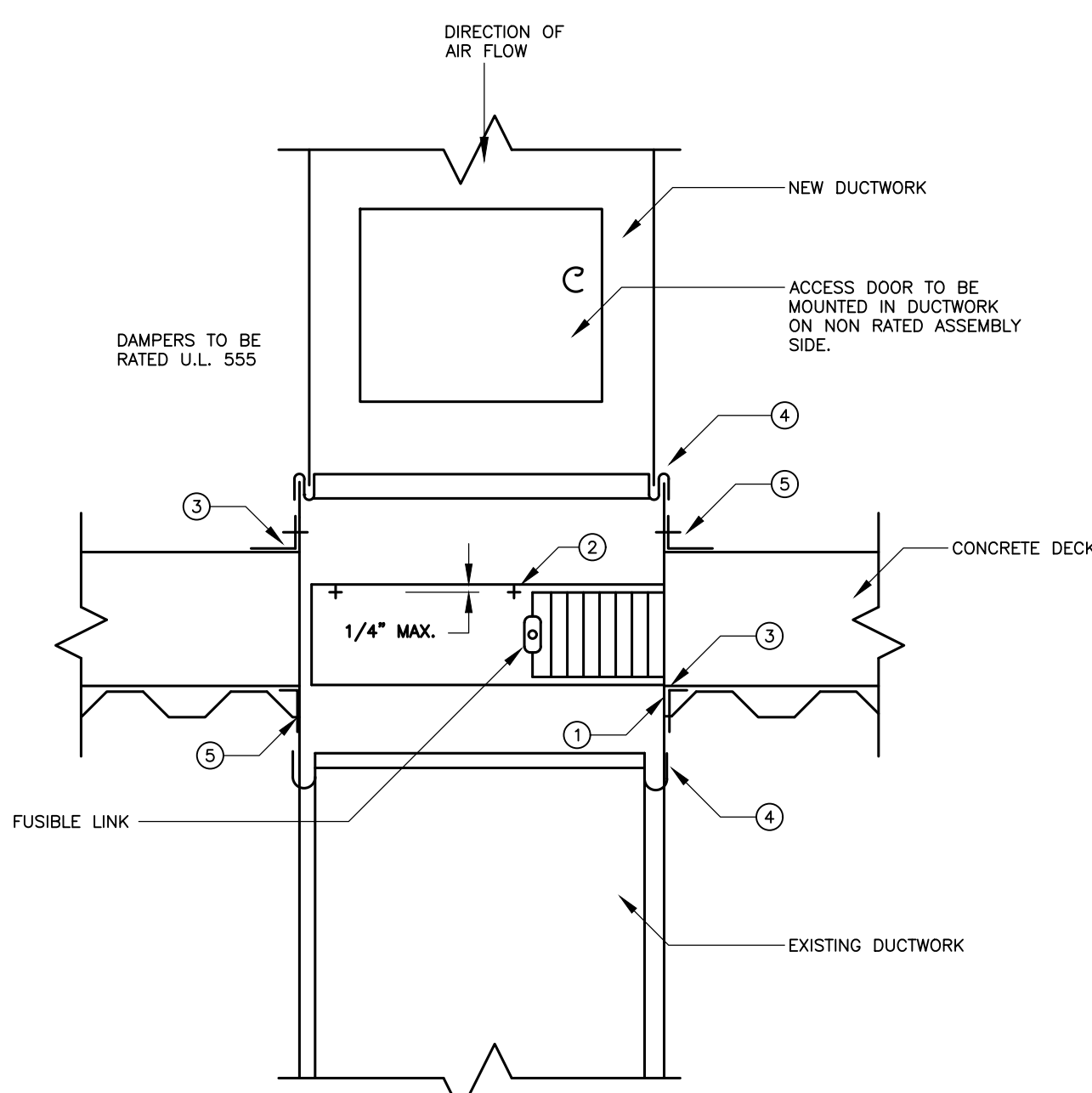
DUCT TRANSITION WITH EQUIPMENT IN DUCT DETAIL
N.T.S.



HOT WATER COIL DETAIL
N.T.S.



TYPICAL DUCT PENETRATION THROUGH FLOOR
N.T.S.



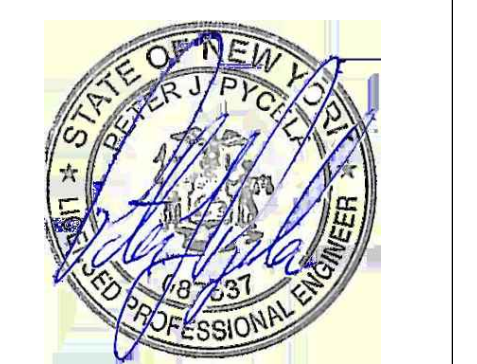
FIRE DAMPER IN FLOOR DETAIL
N.T.S.

NOTES:

- CLEARANCE BETWEEN THE FLOOR/DECK OPENING AND THE DAMPER/SLEEVE ASSEMBLY SHALL BE 1/8" PER FOOT OF WIDTH AND HEIGHT. MINIMUM CLEARANCE SHALL BE 1/4" FOR ANY SIZE DAMPER/SLEEVE ASSEMBLY. THE MAXIMUM OPENING SHALL NOT EXCEED 1/8" PER FOOT PLUS 1". MOUNTING ANGLES SHALL OVERLAP FLOOR/DECK 1" MINIMUM ON ALL SIDES.
- THE DAMPER FRAME MAY BE FASTENED TO THE SLEEVE USING #14 SHEET METAL SCREWS SPACED AT A MAXIMUM OF 6" CENTER TO CENTER FOR 3 HR RATED DAMPERS. A MINIMUM OF ONE FASTENER PER SIZE MUST BE USED.
- MOUNTING ANGLES MUST BE INSTALLED ON THE FLOOR/DECK OPENING AND MUST BE USED ON ALL 4 SIDES OF THE DAMPER/SLEEVE ASSEMBLY (EXCEPTIONS NOTED). MINIMUM MOUNTING ANGLE SIZE IS 1"x1"x18" GAUGE FOR DAMPERS UP TO 18" IN WIDTH OR HEIGHT, 1-1/2"x1/2"x18" GAUGE FOR DAMPERS UP TO 22" WIDTH OR HEIGHT, AND 2"x2"x18" GAUGE FOR LARGER DAMPERS. MOUNTING ANGLES ARE TO BE ATTACHED TO DAMPER/SLEEVE ASSEMBLY USING #14 SHEET METAL SCREWS SPACED AT A MAXIMUM OF 6" CENTER TO CENTER FOR 2" HR RATED DAMPERS. A MINIMUM OF ONE FASTENER PER SIDE MUST BE USED.
- UL 555 (PGH, 14.4) SLEEVE THICKNESS REQUIREMENT: SLEEVE THICKNESS WHEN USED WITHOUT SLIP CONNECTION SHALL BE A MINIMUM OF 16 GAUGE FOR DAMPERS WITH DIMENSIONS NOT EXCEEDING 24" IN HEIGHT OR 36" IN WIDTH AND A MINIMUM OF 14 GAUGE FOR LARGER DAMPERS. EXCEPTION: SLEEVES OF LESSER THICKNESS MAY BE USED IF ONE OR MORE OF THE FOLLOWING SLIP CONNECTIONS IS LOCATED NO MORE THAN 12" FROM THE WALL/FLOOR OPENING: PLAIN "S" SLIP, HEMMED "S" SLIP, STANDING "S" SLIP (ALTERNATE BAR, ANGLE, OR BAR REINFORCED), INSIDE SLIP JOINT OR DOUBLE "S" SLIP. SLEEVE GAUGE MAY NOT BE LESS THAN DUCT GAUGE.
- SEAL AIRTIGHT THE COMPLETE PERIMETER OF DAMPER FRAME WITHIN ITS SLEEVE WITH APPROVED FIRE RETARDANT MATERIAL.

PROJECT: **SUNY PURCHASE COLLEGE**

REVISIONS		
NO.	DATE	DESCRIPTION



ISSUED FOR BID

ISSUED DATE: JULY 26, 2019

DRAWN BY: IES

CHECKED BY: IES

PROJECT NUMBER: 1517347

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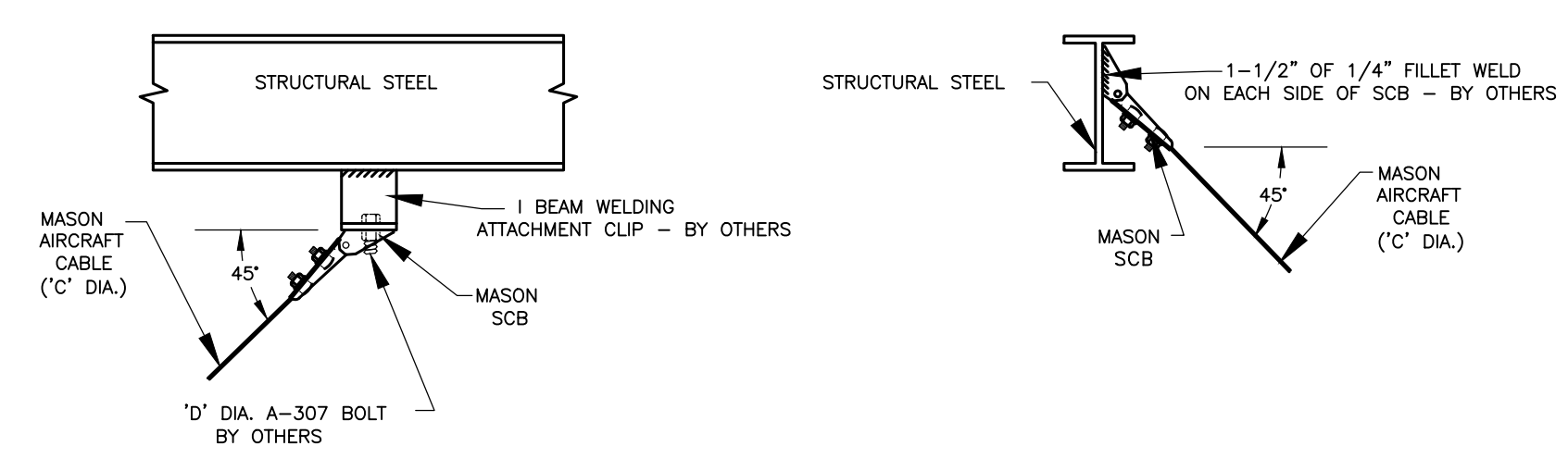
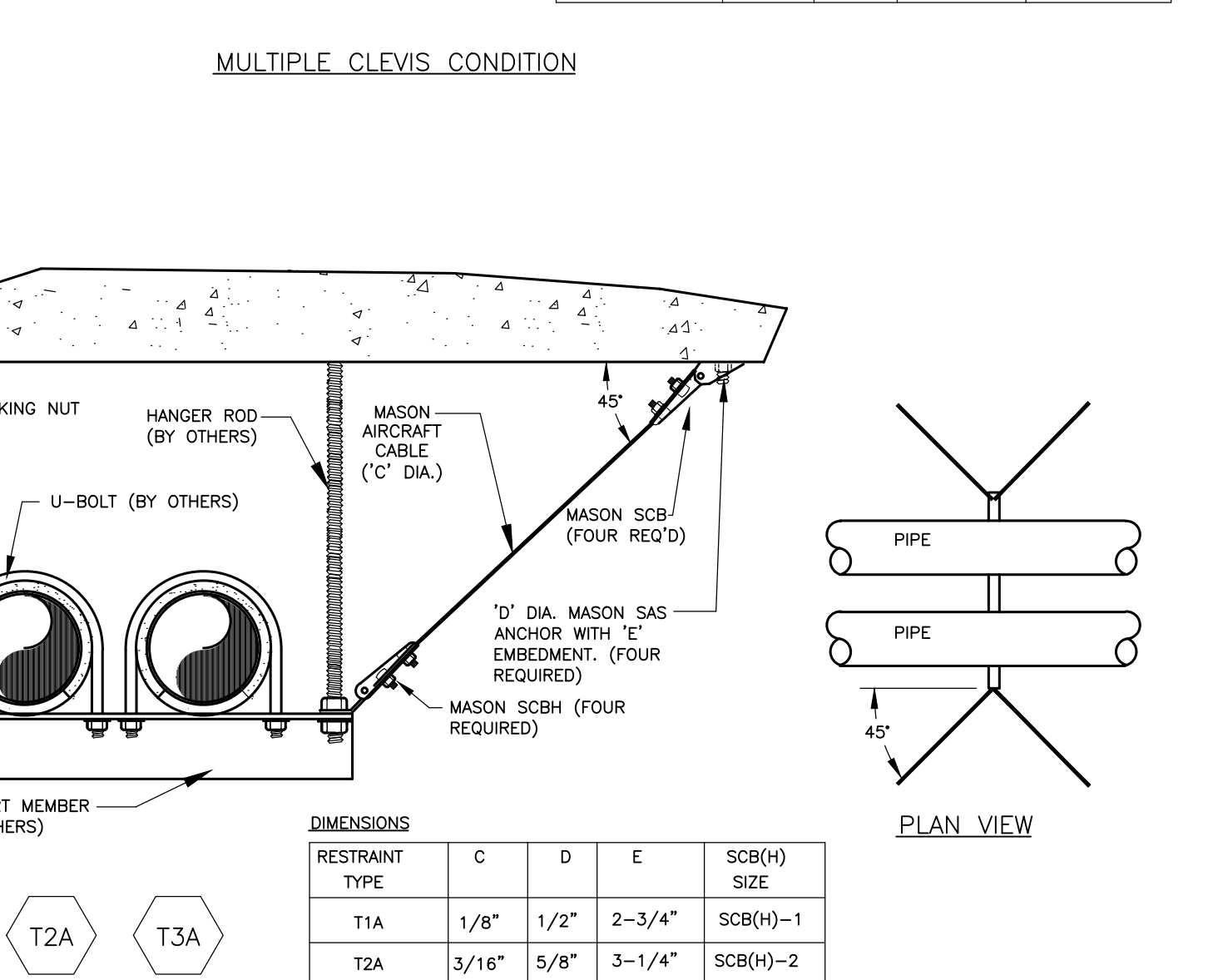
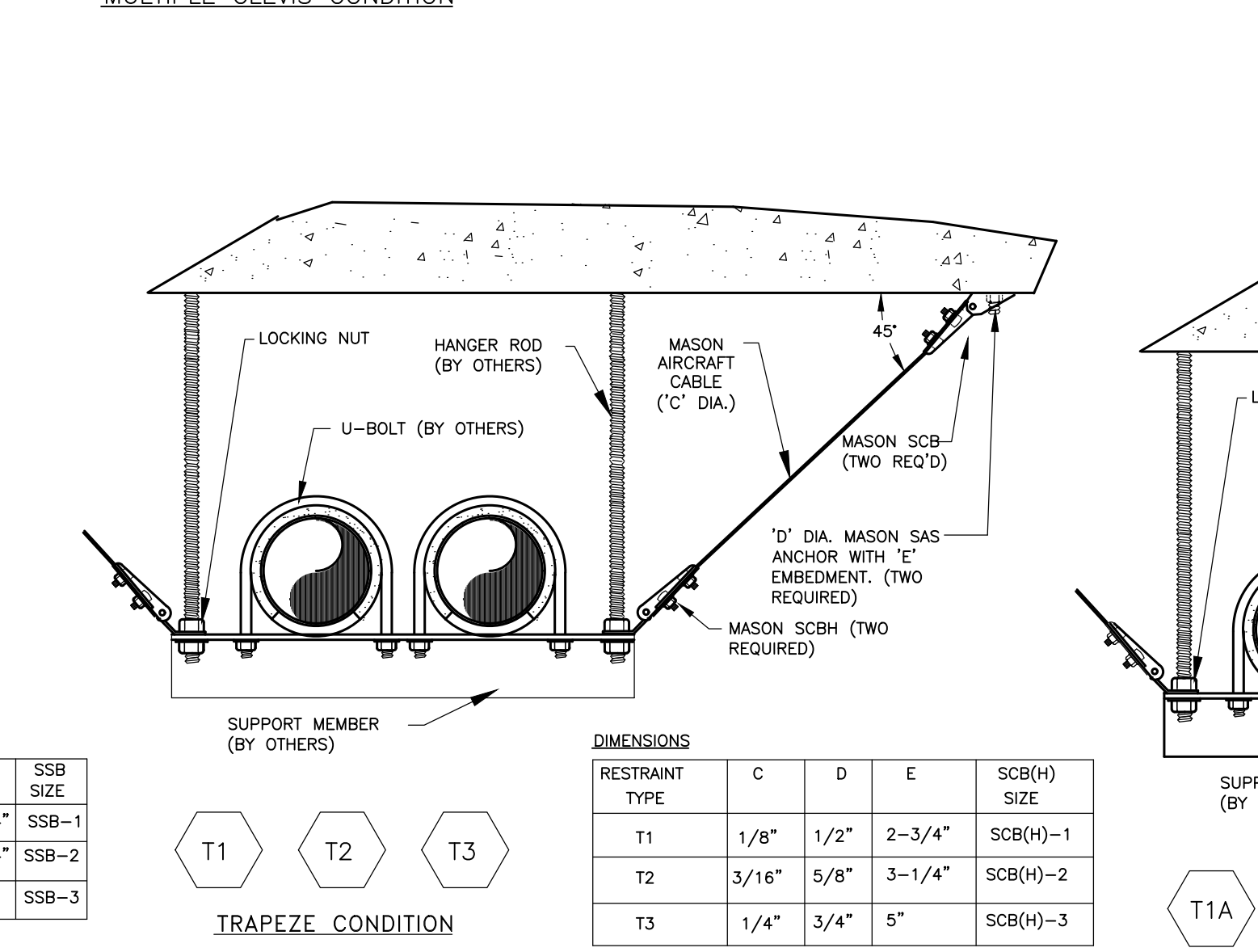
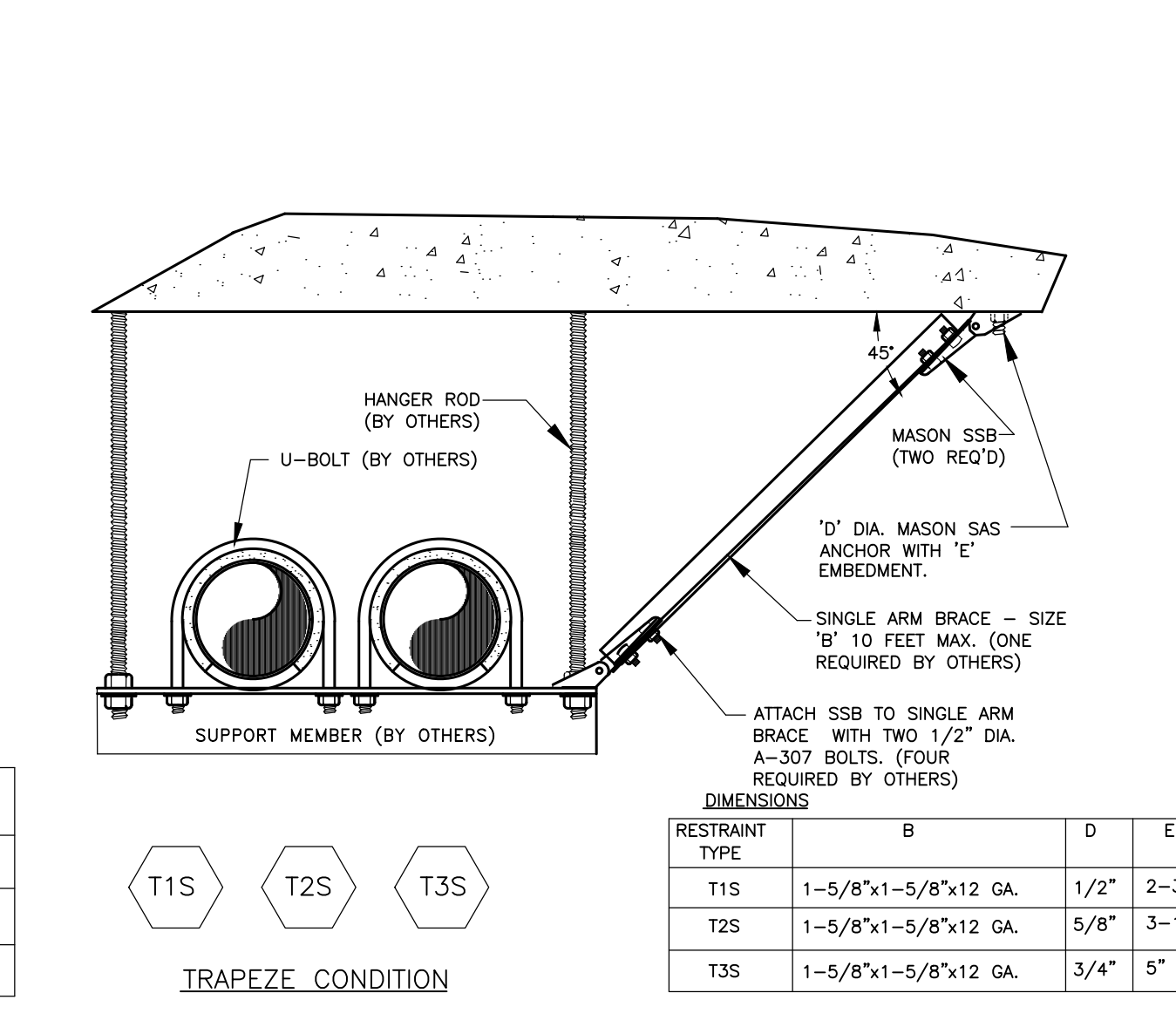
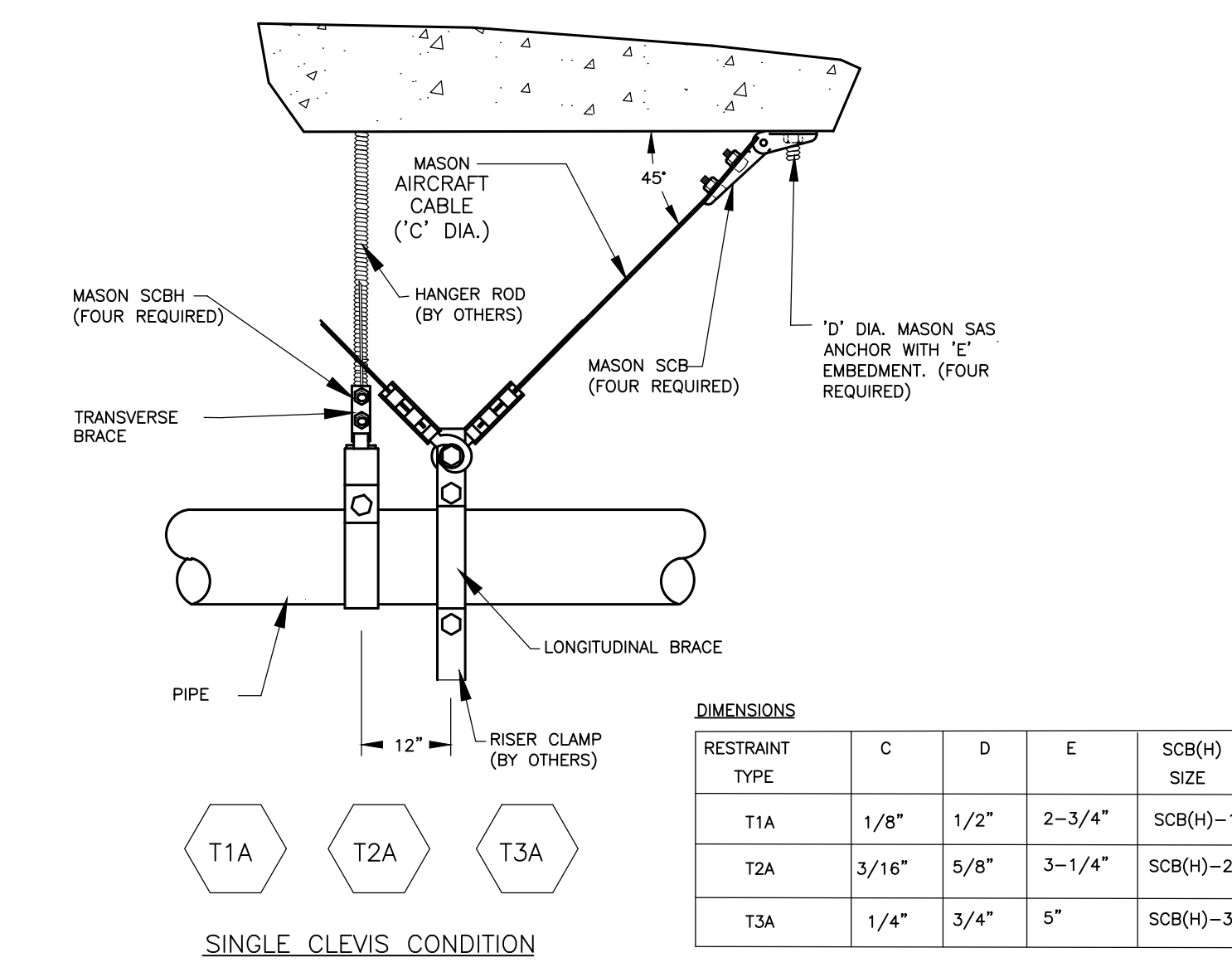
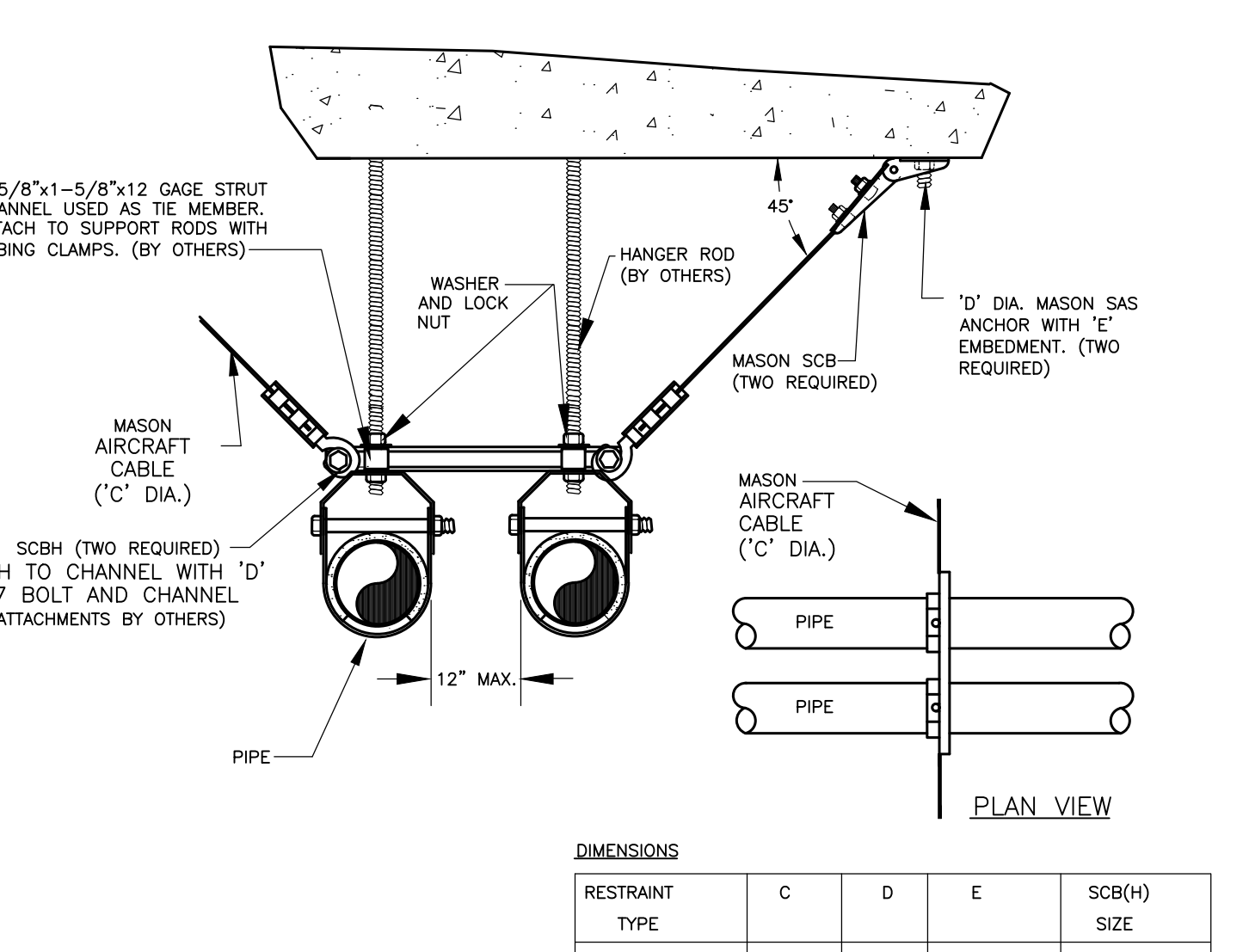
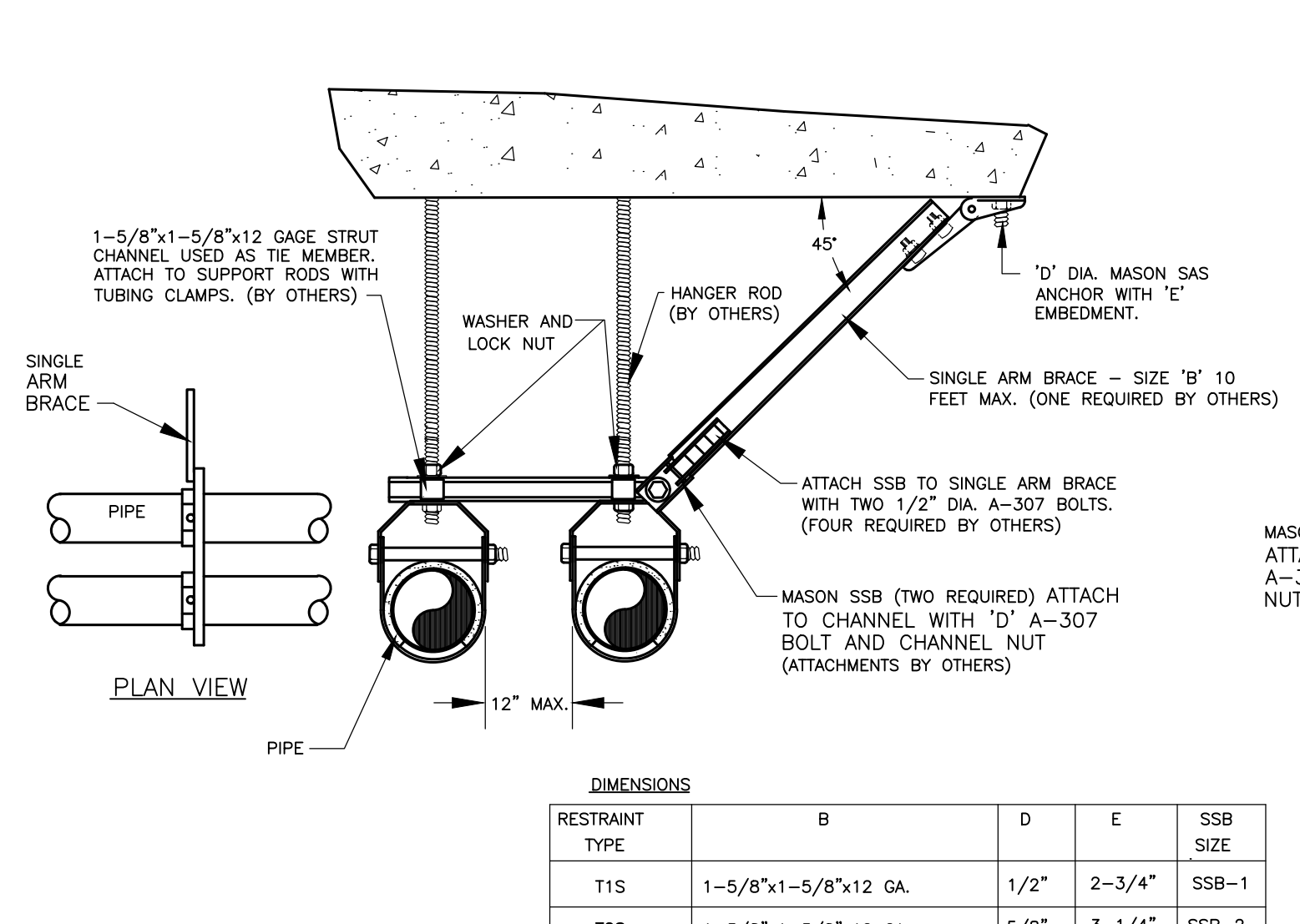
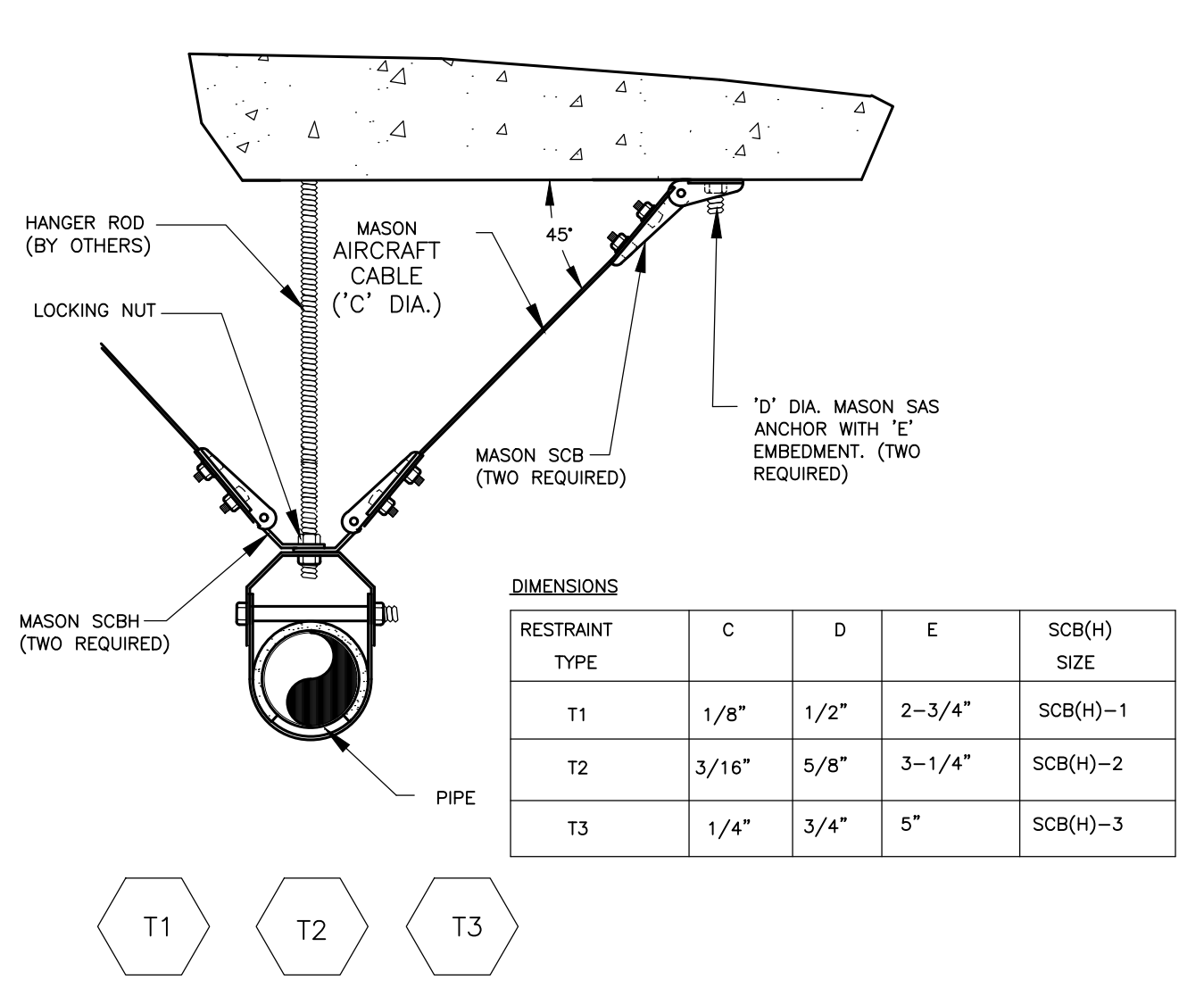
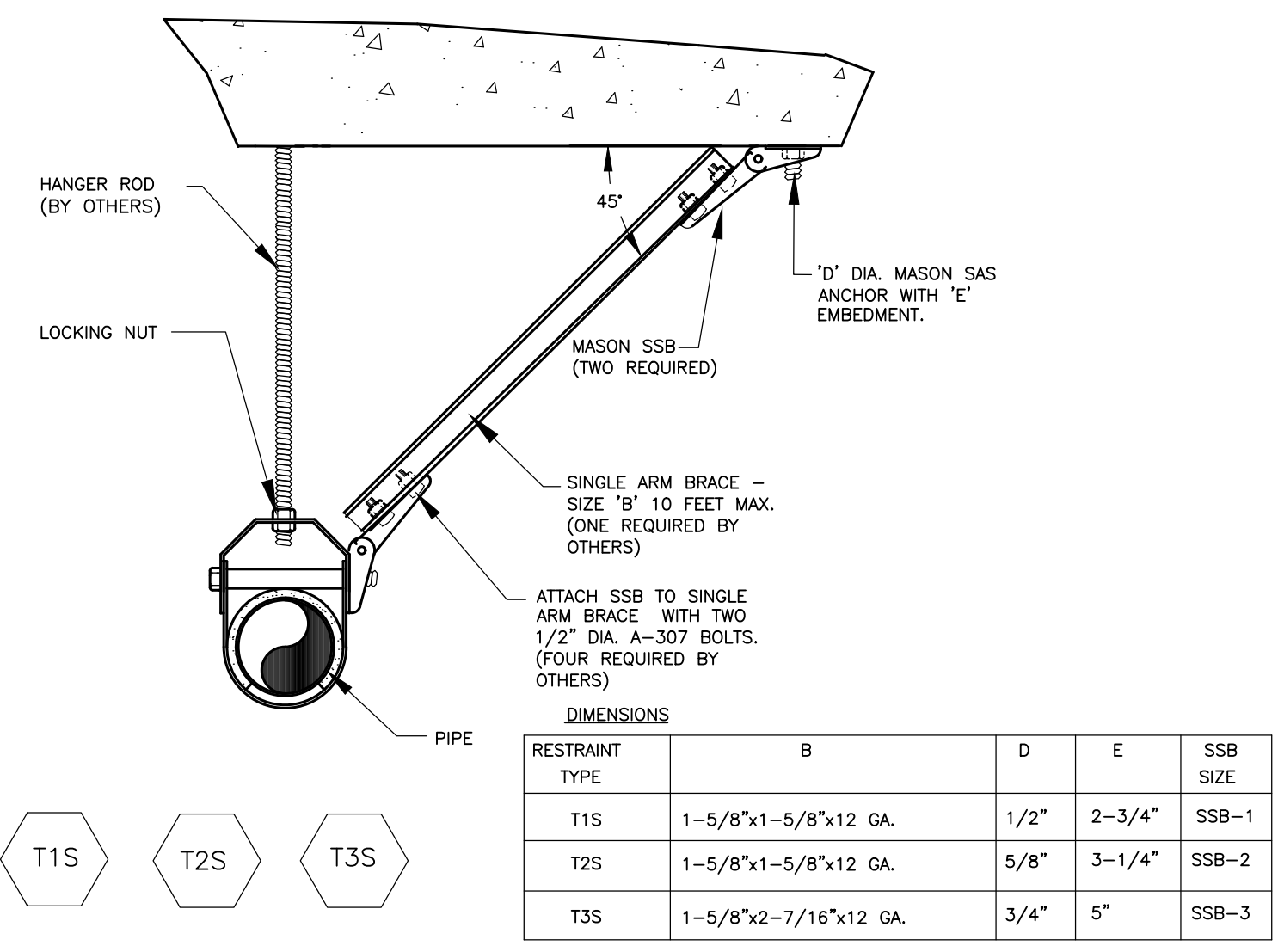
DRAWING NAME:

MECHANICAL DETAILS

DRAWING NO.

M-200

SUNY PURCHASE COLLEGE
 CAFE RENOVATION
 735 ANDERSON HILL RD PURCHASE, NY 10577



TYPE SCB ASSEMBLY RATINGS AS CONTROLLED BY CABLE BREAK STRENGTH

SIZE	CABLE DIA. (IN)	OSHPD MAX. RATINGS (LBS)
SCB-1	1/8"	975
SCB-2	3/16"	2050
SCB-3	1/4"	3150
SCB-4	3/8"	6875

RATINGS ARE FROM TEST DATA AND CALCULATIONS USED TO OBTAIN CALIFORNIA OSHPD PREAPPROVAL NUMBER R-0202. TESTING WAS SUPERVISED AND CERTIFIED BY AN INDEPENDENT ENGINEER REGISTERED IN THE STATE OF CALIFORNIA. RATINGS ARE BASED ON ATTACHMENT TO STEEL.

RATING WILL BE CONTROLLED BY ATTACHMENT METHODS TO CONCRETE. PREFERRED INSTALLATION ANGLE IS 45°. MAXIMUM VARIATION ± 15°.

TYPE SCB ANCHOR DIMENSIONS (Inches)	A	B	C	D	E	F	G	H	
SCB-1	1 1/2	3/8	2	1 1/2	15/16	3 3/8	1 1/2	9/16	1/2
SCB-2	1 5/8	2 3/4	1 3/8	1 3/8	1 3/16	4 3/8	1 3/4	1 1/16	5/8
SCB-3	2	3 1/2	1 3/4	1 7/16	4 3/4	2	1 3/16	3/4	
SCB-4	3 1/8	5	2 1/2	1 5/16	5 3/4	2 1/4	1 5/16	1	

TYPE SCBH ASSEMBLY RATINGS AS CONTROLLED BY CABLE BREAK STRENGTH

SIZE	CABLE DIA. (IN)	OSHPD MAX. RATINGS (LBS)
SCBH-1	1/8"	975
SCBH-2	3/16"	2050
SCBH-3	1/4"	3150

RATINGS ARE FROM TEST DATA AND CALCULATIONS USED TO OBTAIN CALIFORNIA OSHPD PREAPPROVAL NUMBER R-0202. TESTING WAS SUPERVISED AND CERTIFIED BY AN INDEPENDENT ENGINEER REGISTERED IN THE STATE OF CALIFORNIA. RATINGS ARE BASED ON ATTACHMENT TO STEEL.

SCBH ASSEMBLIES WILL FIT ROD SIZES AS TABULATED. PREFERRED INSTALLATION ANGLE IS 45°. MAXIMUM VARIATION ± 15°.

TYPE SCBH ANCHOR DIMENSIONS (Inches)	For use with Rod sizes	A	B	C	D	E	F	G	H
SCBH-1	1/2, 5/8	1 7/8	2 3/8	1	1	3 3/8	1 1/2	5/8	1/2
SCBH-2	3/4, 7/8	2 7/8	3 3/4	1 3/8	1 3/16	4 3/8	1 3/4	7/8	5/8
SCBH-3	1, 1 1/8	3 1/2	4 3/4	1 3/4	1 7/16	4 3/4	2	1 1/8	3/4

TYPE SSB ANCHOR RATINGS

SIZE	OSHPD MAX. RATINGS (LBS)
SSB-1	1500
SSB-2	3000
SSB-3	5000
SSB-4	8750

RATINGS ARE FROM TEST DATA AND CALCULATIONS USED TO OBTAIN CALIFORNIA OSHPD PREAPPROVAL NUMBER R-0202. TESTING WAS SUPERVISED AND CERTIFIED BY AN INDEPENDENT ENGINEER REGISTERED IN THE STATE OF CALIFORNIA. RATINGS ARE BASED ON ATTACHMENT TO STEEL.

RATING WILL BE CONTROLLED BY ATTACHMENT METHODS TO CONCRETE. PREFERRED INSTALLATION ANGLE IS 45°. MAXIMUM VARIATION ± 15°.

TYPE SSB ANCHOR DIMENSIONS (Inches)	A	B	C	D	E	F	G	H
SSB-1	1 3/8	2	1	15/16	3 3/8	1 1/2	9/16	9/16
SSB-2	1 5/8	2 3/4	1 3/8	1 3/16	4 3/8	1 3/4	1 1/16	9/16
SSB-3	2	3 1/2	1 3/4	1 3/16	4 3/4	2	1 3/16	9/16
SSB-4	3 1/8	5	2 1/2	1 5/16	5 3/4	2 1/4	1 5/16	1 1/16

Type SAS Anchor Bolt ratings installed in stone aggregate concrete

SAS	Minimum Embedment (in)	Minimum Edge Distance (in)	Minimum Spacing (in)	Concrete Strength - f'c				Dimensions (Inches)				
				2000 psi	3000 psi	4000 psi	A	B	C			
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:

$$\frac{P_u}{\phi P_n} + \frac{V_u}{\phi V_n} \leq 1.0$$

WHERE: P_u & V_u 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 A 4 TO 1 FOR SHEAR FORCES. FOR STONE AGGREGATE CONCRETE, REFER TO ICBO REPORT #1821. 1" ANCHORS HAVE BEEN TESTED FOR F_{cu} = 4500 PSI AND ARE SUBJECT FOR FURTHER TESTING.

REVISIONS

NO.	DATE	DESCRIPTION



ISSUED FOR BID
 ISSUED DATE: JULY 26, 2019
 DRAWN BY: IES
 CHECKED BY: IES
 PROJECT NUMBER: 1517347
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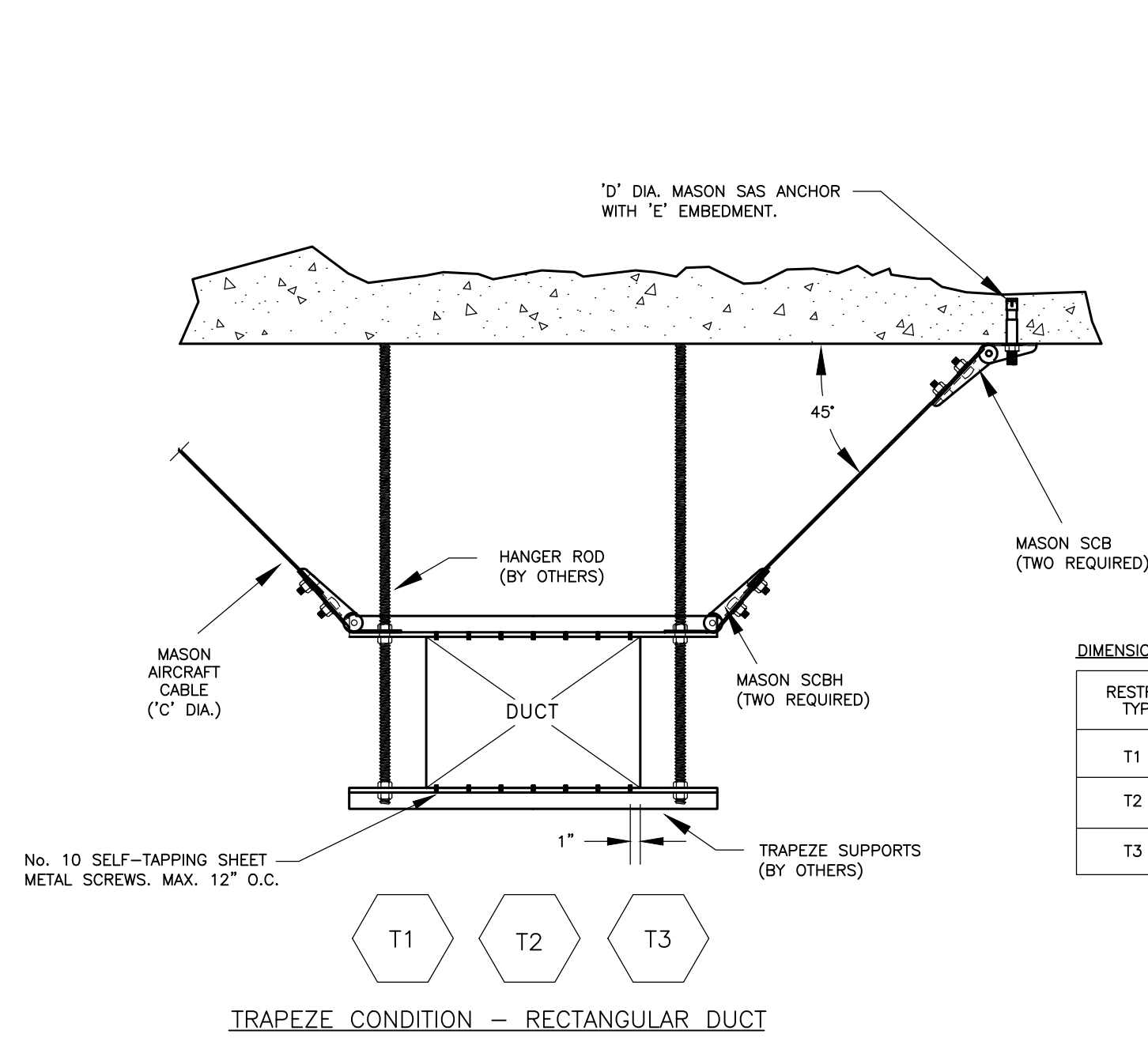
MECHANICAL DETAILS
 DRAWING NO. **M-201**

G:\ES Projects\2018 Projects\Team PJP\18171 SUNY Purchase The Hub\Contract Documents\18171 M-202.dwg Plotted by amgure on Jul 24, 2019 - 10:33am

SUNY PURCHASE COLLEGE

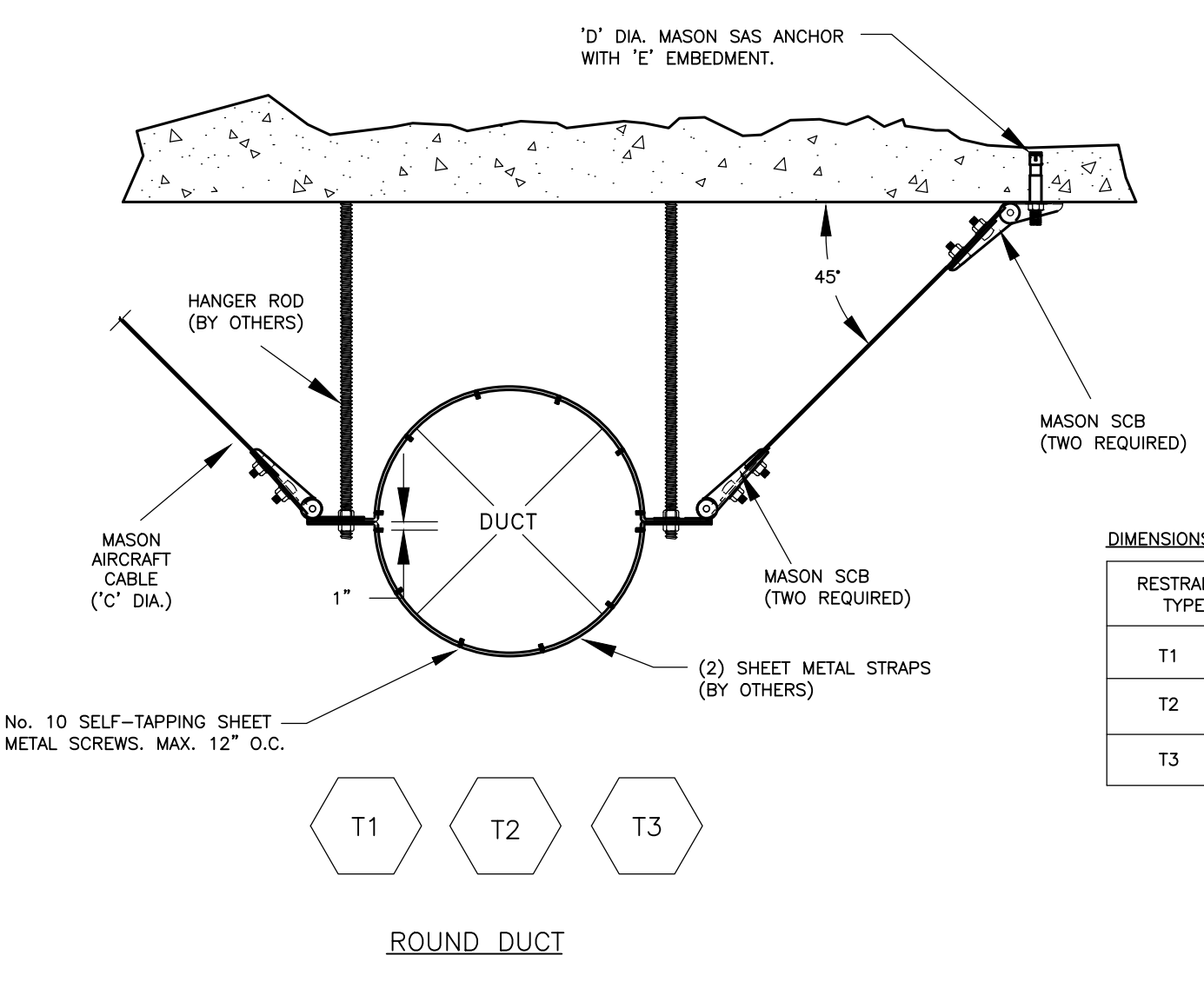
CAFE RENOVATION

735 ANDERSON HILL RD PURCHASE, NY 10577



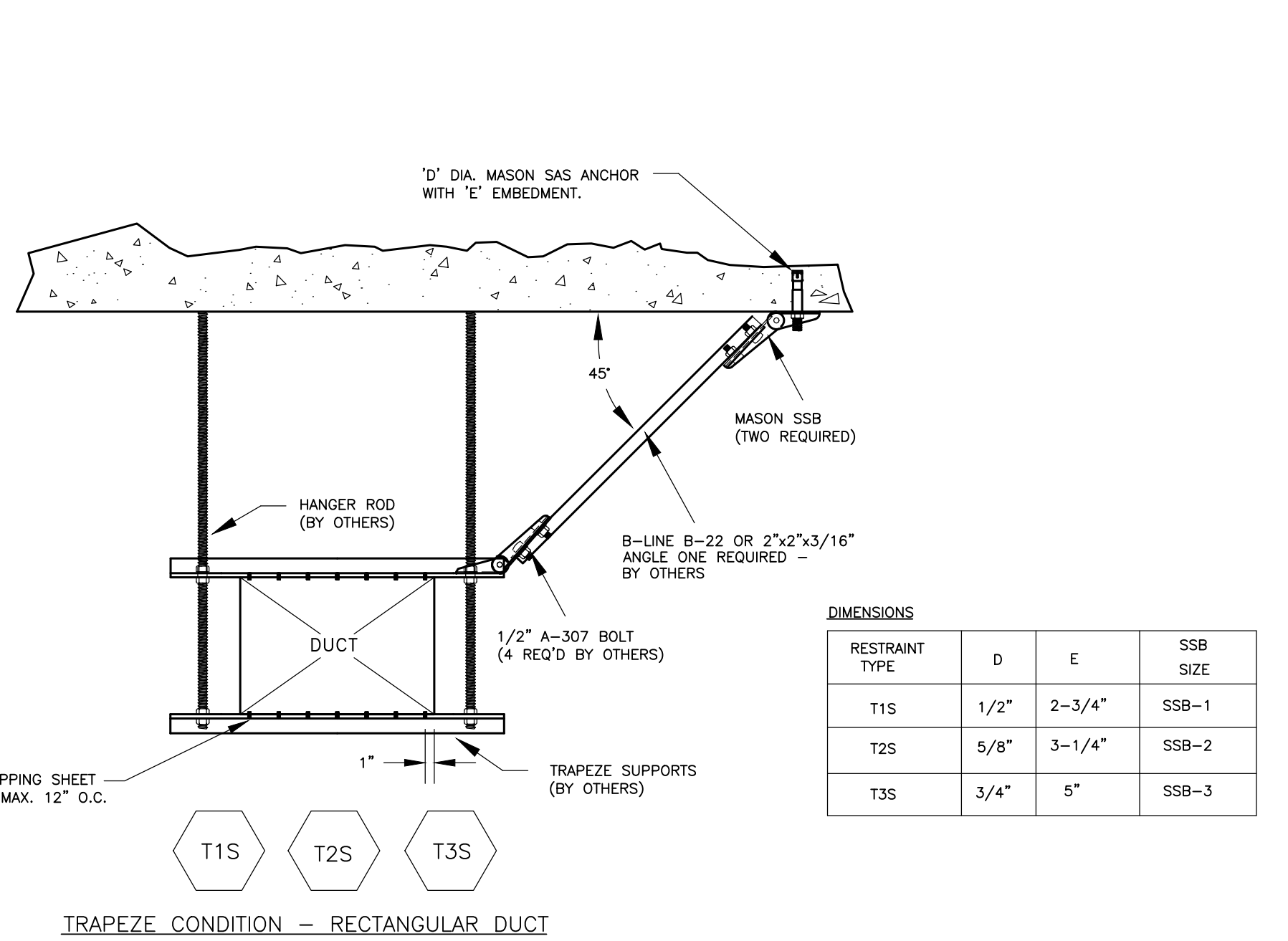
DIMENSIONS

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



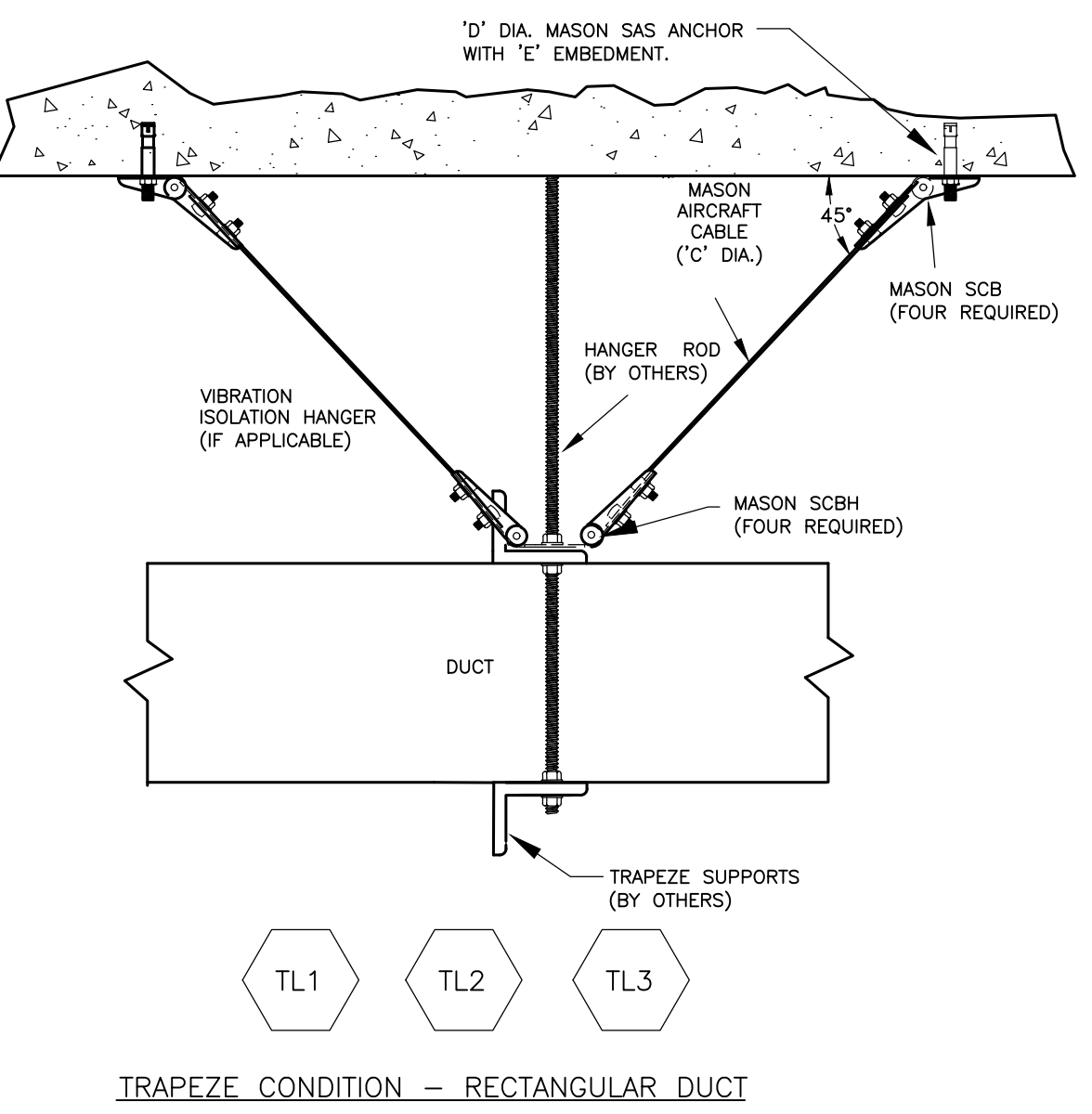
DIMENSIONS

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



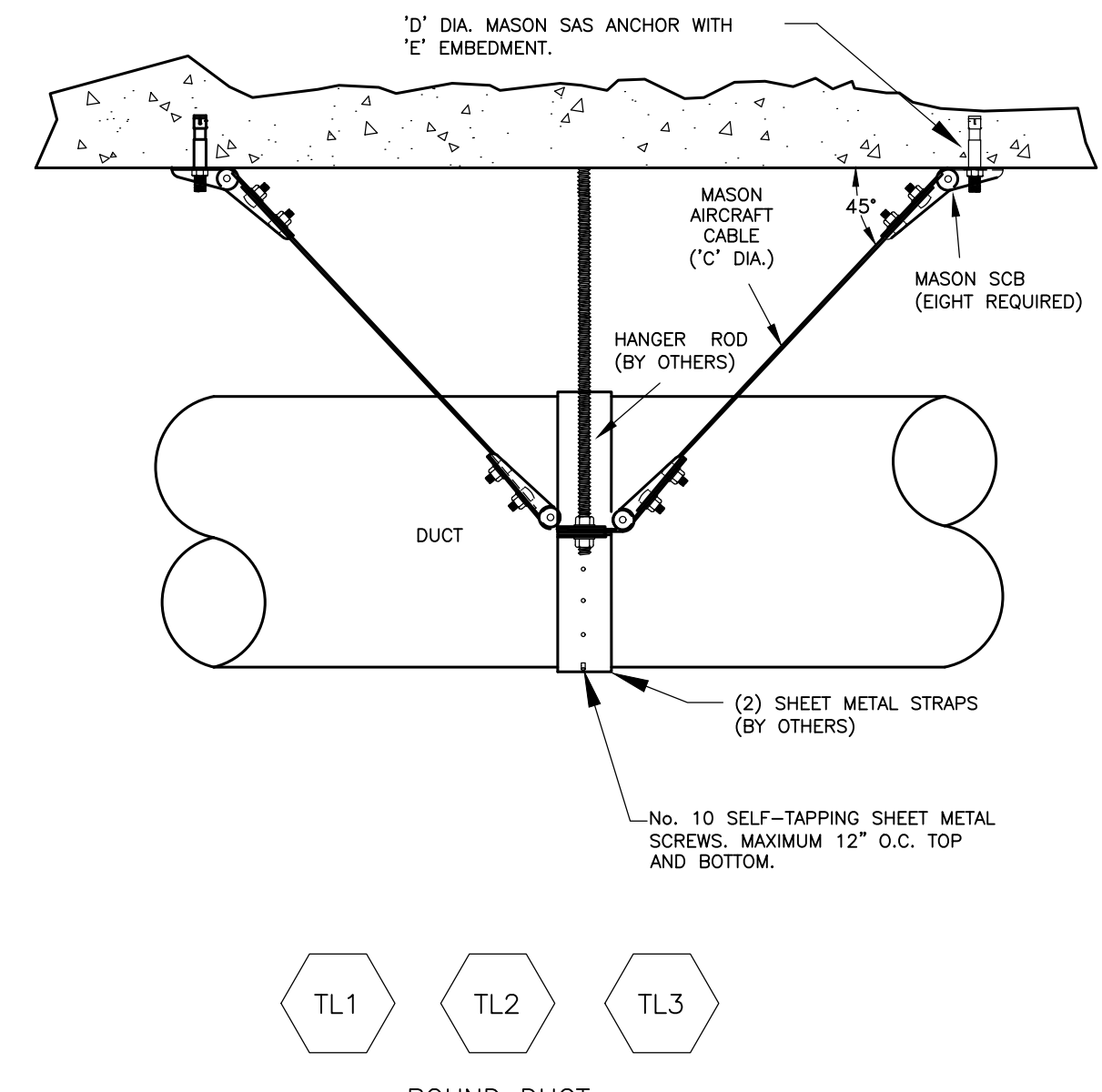
DIMENSIONS

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



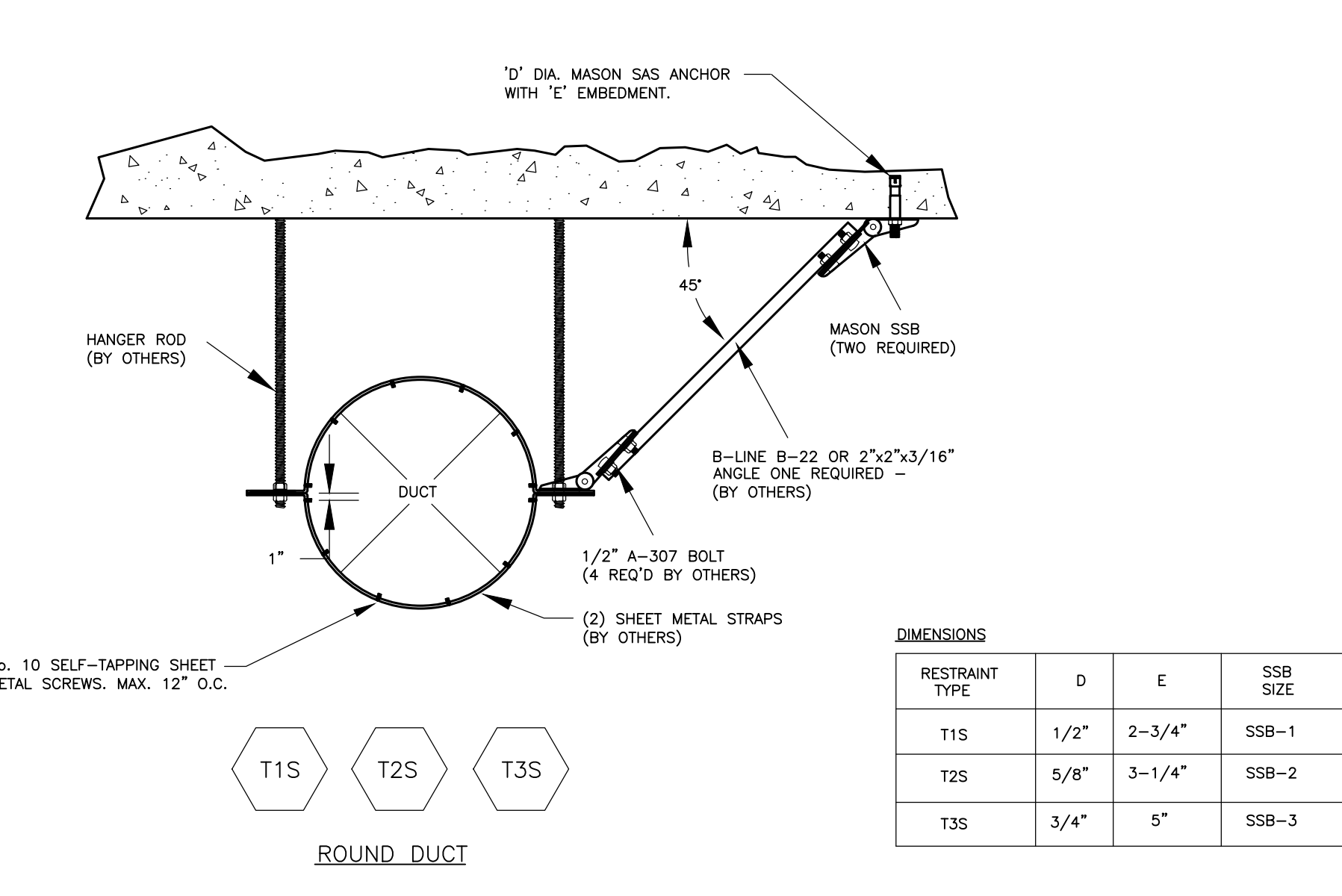
DIMENSIONS

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



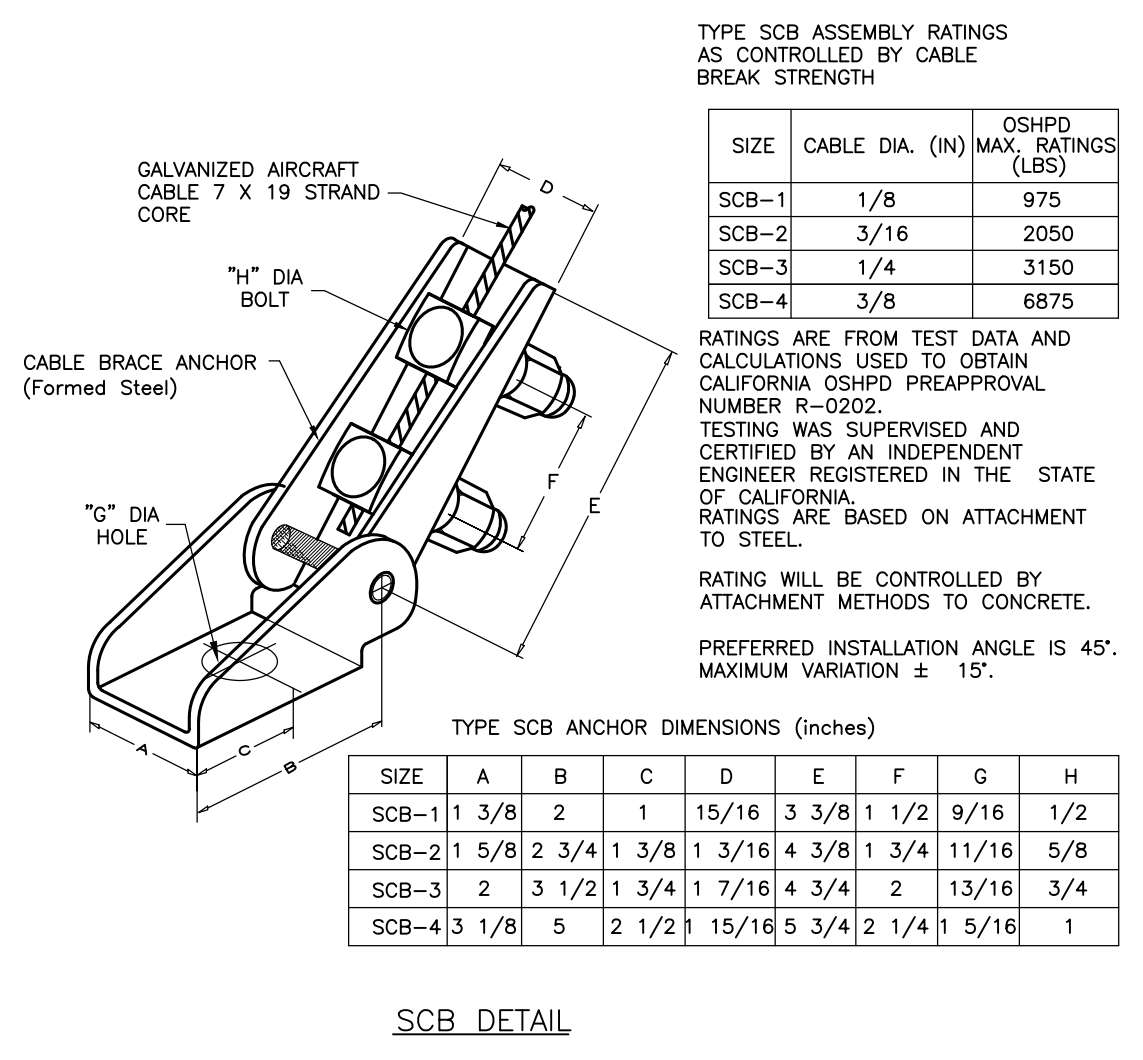
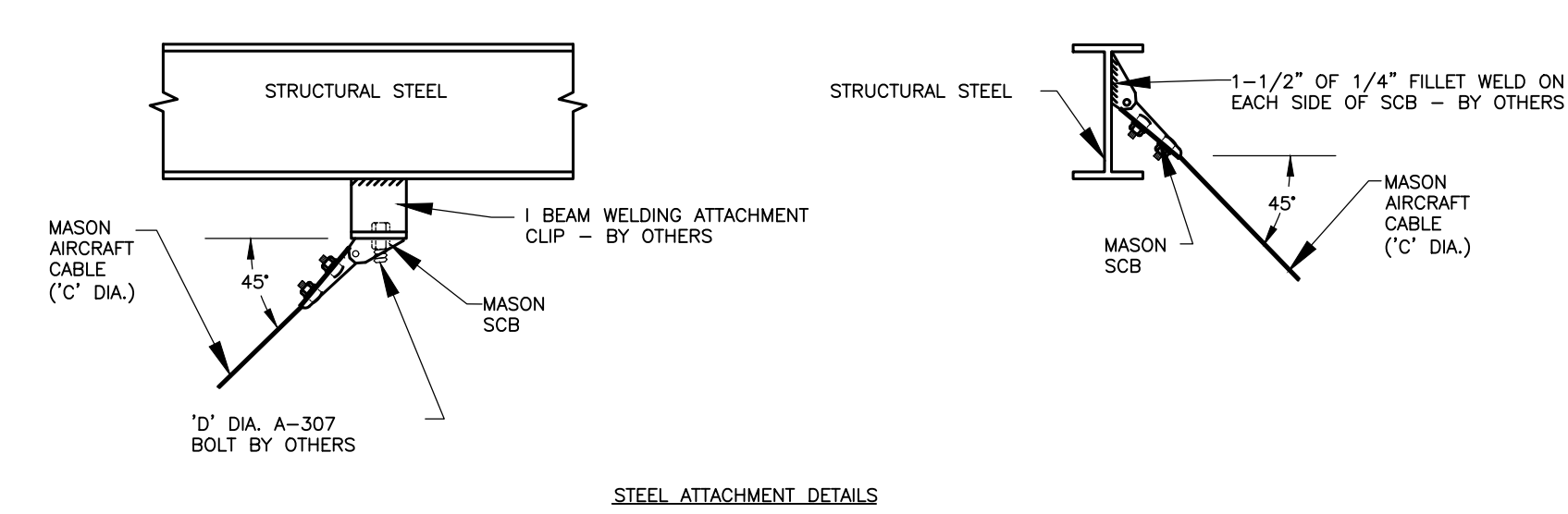
DIMENSIONS

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



DIMENSIONS

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

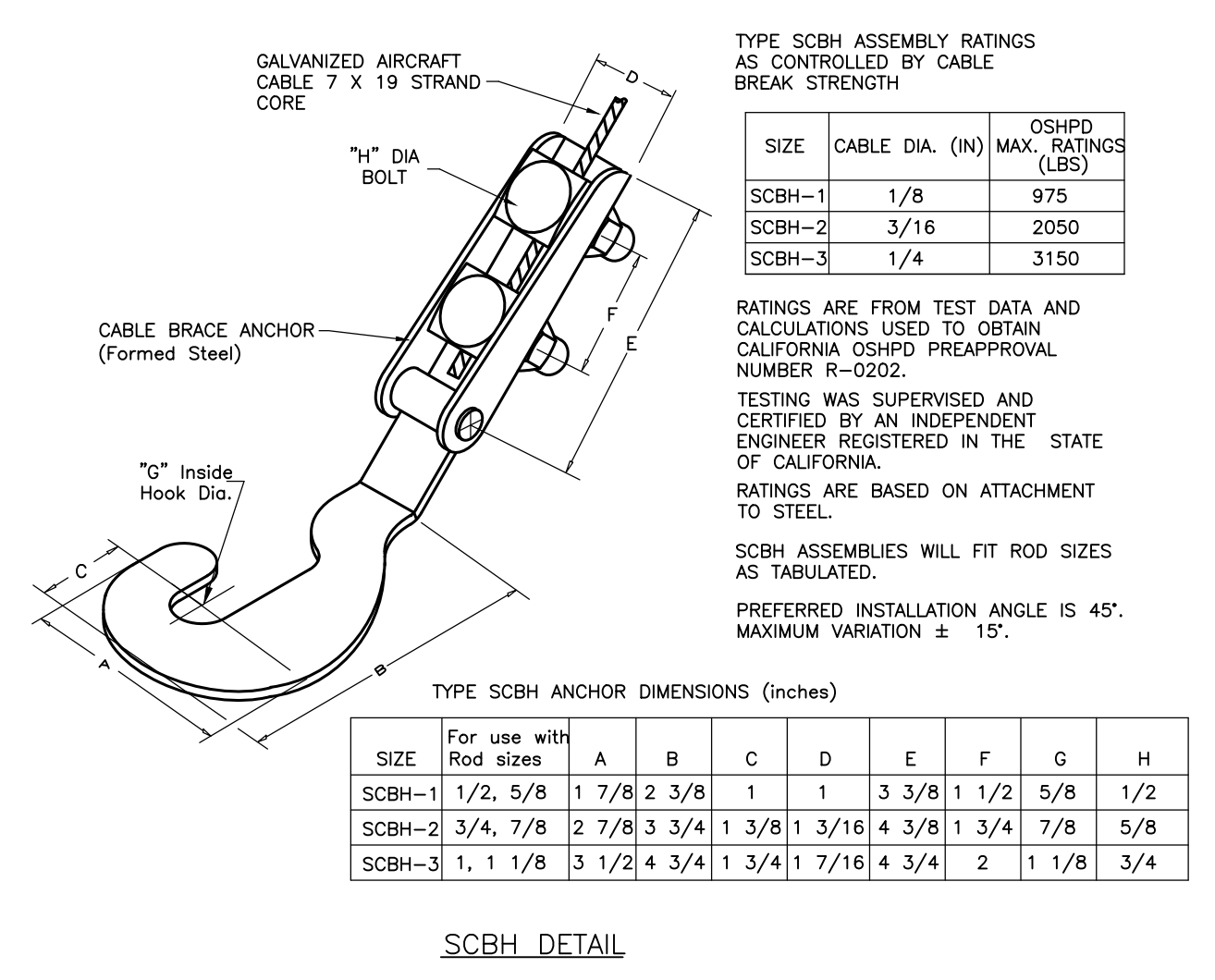


TYPE SCB ASSEMBLY RATINGS AS CONTROLLED BY CABLE BREAK STRENGTH

SIZE	CABLE DIA. (IN)	OSHPD MAX. RATINGS (LBS)
SCB-1	1/8"	975
SCB-2	3/16"	2050
SCB-3	1/4"	3150
SCB-4	3/8"	6875

TYPE SCB ANCHOR DIMENSIONS (inches)

SIZE	A	B	C	D	E	F	G	H
SCB-1	1 3/8"	2	1	15/16"	3 3/8"	1 1/2"	9/16"	1/2"
SCB-2	1 5/8"	2 3/4"	1 3/8"	1 3/16"	4 3/8"	1 3/4"	1 1/16"	5/8"
SCB-3	2	3 1/2"	1 3/4"	1 7/16"	4 3/4"	2	13/16"	3/4"
SCB-4	3 1/8"	5	2 1/2"	15/16"	5 3/4"	2 1/4"	1 5/16"	1

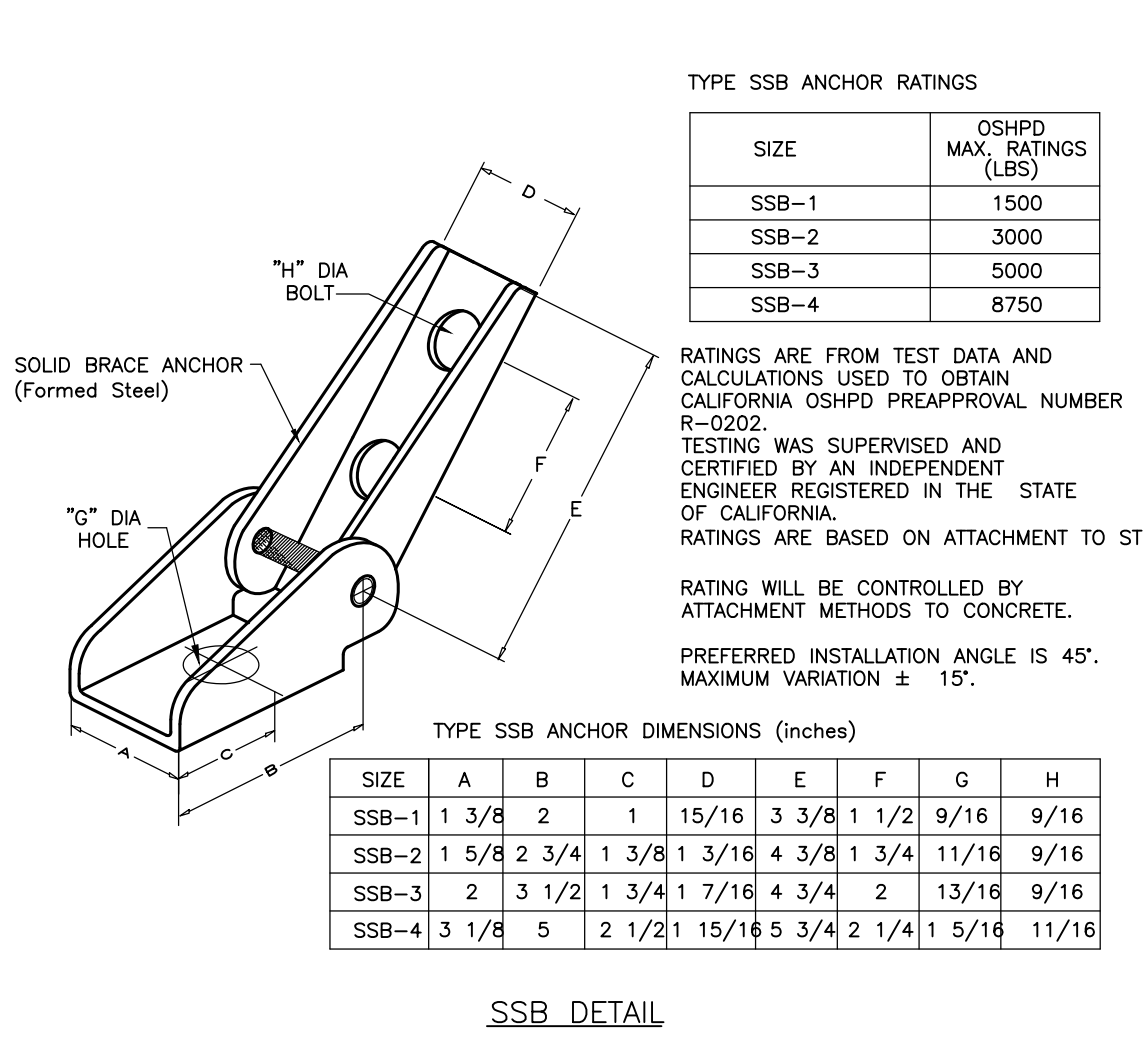


TYPE SCBH ASSEMBLY RATINGS AS CONTROLLED BY CABLE BREAK STRENGTH

SIZE	CABLE DIA. (IN)	OSHPD MAX. RATINGS (LBS)
SCBH-1	1/8"	975
SCBH-2	3/16"	2050
SCBH-3	1/4"	3150

TYPE SCBH ANCHOR DIMENSIONS (inches)

SIZE	A	B	C	D	E	F	G	H
SCBH-1	1 1/2"	5/8"	1 7/8"	2 3/8"	1	1	3 3/8"	1 1/2"
SCBH-2	2 3/4"	7/8"	2 7/8"	3 3/4"	1 3/8"	1 3/16"	4 3/8"	1 3/4"
SCBH-3	1 1/8"	3 1/2"	4 3/4"	1 3/4"	1 7/16"	4 3/4"	2	1 1/8"

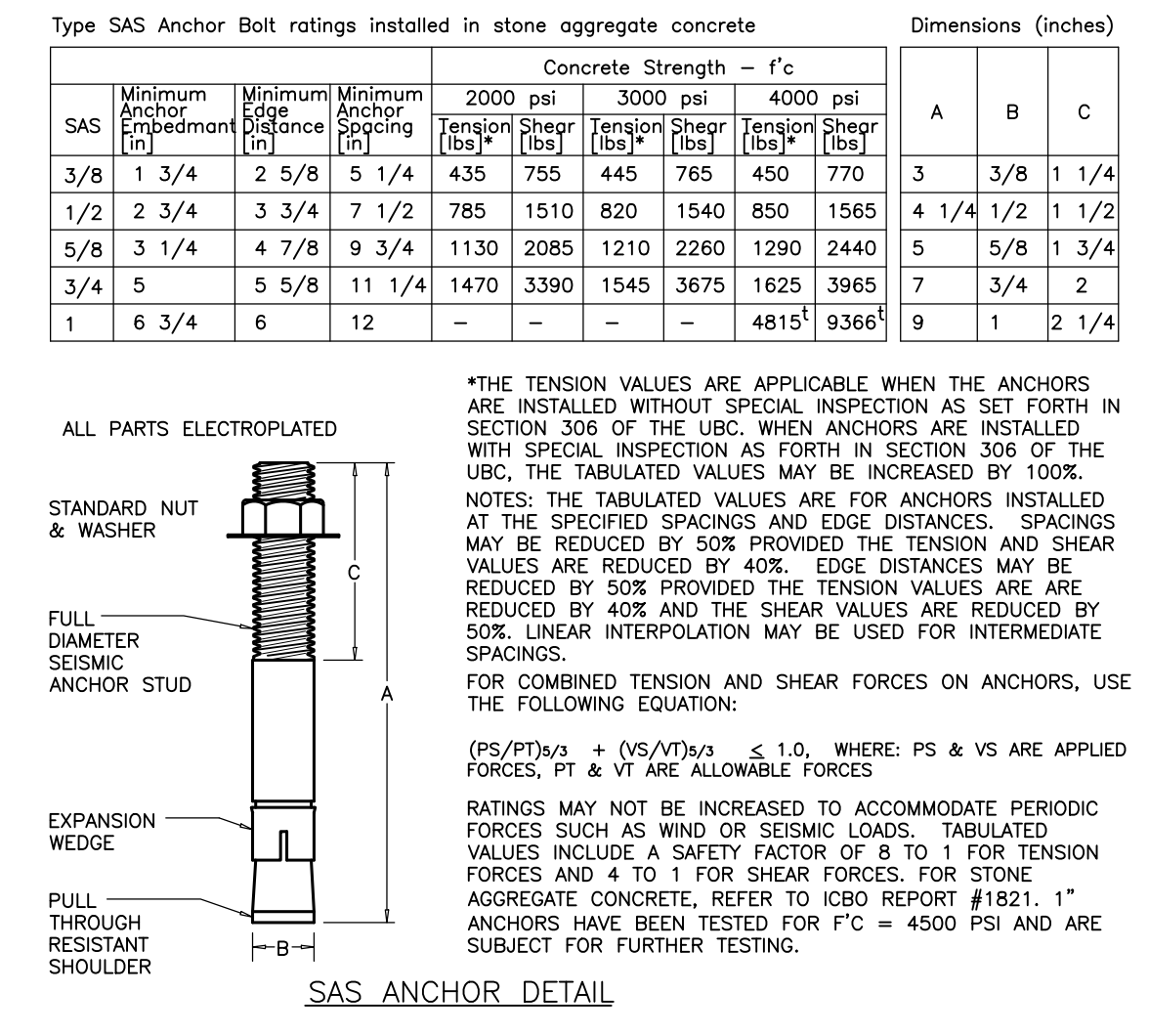


TYPE SSB ANCHOR RATINGS

SIZE	OSHPD MAX. RATINGS (LBS)
SSB-1	1500
SSB-2	3000
SSB-3	5000
SSB-4	8750

TYPE SSB ANCHOR DIMENSIONS (inches)

SIZE	A	B	C	D	E	F	G	H
SSB-1	1 3/8"	2	1	15/16"	3 3/8"	1 1/2"	9/16"	9/16"
SSB-2	1 5/8"	2 3/4"	1 3/8"	1 3/16"	4 3/8"	1 3/4"	1 1/16"	9/16"
SSB-3	2	3 1/2"	1 3/4"	1 7/16"	4 3/4"	2	13/16"	9/16"
SSB-4	3 1/8"	5	2 1/2"	15/16"	5 3/4"	2 1/4"	1 5/16"	1 1/16"



Concrete Strength - f'c

SAS	Minimum Embedment (in)	Minimum Spacing (in)	Minimum Anchor Distance (in)	Concrete Strength - f'c			Dimensions (inches)					
				2000 psi	3000 psi	4000 psi	A	B	C			
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	1/2"	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 VALUES ARE REDUCED BY 40%. EDGE DISTANCES MAY BE 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:

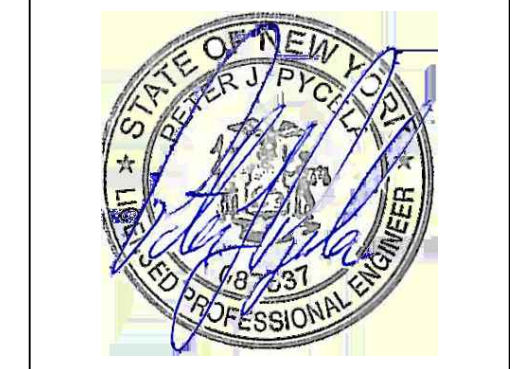
$$\left(\frac{P}{P_n}\right)^2 + \left(\frac{V}{V_n}\right)^2 \leq 1.0$$

WHERE: P & V ARE APPLIED FORCES. P_n & V_n 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.

REVISIONS

NO.	DATE	DESCRIPTION



ISSUED FOR BID
 ISSUED DATE: JULY 26, 2019

DRAWN BY: IES
 CHECKED BY: IES
 PROJECT NUMBER: 1517347

MECHANICAL DETAILS

DRAWING NO. **M-202**

C:\IES Projects\2018 Projects\Team PJP\18171 SUNY Purchase The Hub\Contract Documents\18171 M-203.dwg Plotted by amaguire on Jul 24, 2019 - 10:33am

HOT WATER REHEAT COIL SCHEDULE															
SYMBOL	MANUFACTURER MODEL NUMBER	AREA SERVED	TYPE	# OF ROWS	COIL DIMENSIONS	AIR FLOW (CFM)	AIR VELOCITY	TOTAL CAPACITY MBH	EAT DEG F DB	LAT DEG F DB	WATER FLOW GPM	WATER P.D. FT. HD	EWT/LWT DEG F	AIR P.D. IN. WG	NOTES
HC-1	AEROFIN TYPE HWP	STORAGE/DISHWASHING	DM	2	24X12	980	490	29.7	57	85	3.0	0.50 MAXIMUM	180/160	0.40 MAXIMUM	1,2
HC-2	AEROFIN TYPE HWP	BASEMENT LOBBY	DM	2	16X12	460	500	13.9	57	85	1.4	0.50 MAXIMUM	180/160	0.40 MAXIMUM	1,2

UNIT HEATER TYPES:
DM = DUCT MOUNTED

NOTES:
1. PROVIDE WITH PNEUMATIC CONTROL VALVE. CONNECT TO EXISTING TEMPERATURE CONTROL SYSTEM.
2. COIL FACE VELOCITY 650 FPM MAXIMUM.
3. PROVIDE WITH MANUAL AIR VENTS (SEE DETAIL ON M200)

HOT WATER UNIT HEATER SCHEDULE												
SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	COIL CAPACITY MBH	COIL FLOW GPM	WATER P.D. FT	EWT (DEG F)	LWT (DEG F)	CFM	OUTLET VELOCITY (FPM)	ELECTRICAL DATA HP-VOLT-PH	NOTES
UH-1	RITTLING RH-86	H	RECEIVING LOADING DOCK	53,050	6.2	0.79	180	160	1,340	710	0.1-120-1	1,2,3
UH-2	RITTLING RH-24	H	SPRINKLER ROOM	14,830	1.7	0.83	180	160	450	570	0.1-120-1	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.

ELECTRIC UNIT HEATER SCHEDULE							
SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	LOCATION	AIR FLOW	BTUH	ELECTRIC DATA AMPS-V-PH	NOTES
EUH-1	QMARK MUH0321	H	MISC. STORAGE 012	350	7,500	11.0-208-1	1,2

UNIT HEATER TYPES:
H = HORIZONTAL

NOTES:
1. PROVIDE WITH INTERNAL THERMOSTAT.
2. PROVIDE WITH DISCONNECT SWITCH.

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-90 4x4x9.5B	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

TYPES:
IL = IN-LINE PUMP
FM = FLOOR MOUNTED

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.

GRILLE, DIFFUSER AND REGISTER SCHEDULE									
SYMBOL	MANUFACTURER MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION			NOTES	
					OBD	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. = LOUVERED FACE
S.C. = SIDE WALL
P.F. = PERFORATED FACE

DESIGNATIONS:
SYMBOL: NECK SIZE: S1-150 6" FLOW (CFM): S1-150 6" SLOT WIDTH: S1-150 1.0"-4" QTY. OF SLOTS: LINEAR SLOT

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.

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AMP	AMPERE (AMP, AMPS)
BAL	BALANCE
BTU	BRITISH THERMAL UNIT CAPACITY
CAP	CUBIC FEET PER MINUTE CAPACITY
CFM	CHILLED WATER SUPPLY
CHWS	CHILLED WATER RETURN
CHR	COOLING
CLG	CONDENSING UNIT
CU	ENTERING AIR TEMPERATURE
EAT	EXHAUST FAN
EF	EXTERNAL STATIC PRESSURE
ESP	ENTERING WATER TEMPERATURE
EWT	EXHAUST
EXH	DEGREES FAHRENHEIT
F	FLEXIBLE CONNECTION
FC	FIRE DAMPER
FD	FEET PER MINUTE
FPM	FEET
FT	FIN TUBE RADIATION
GPM	GALLONS PER MINUTE
HWC	HOT WATER COIL
HP	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
LWT	LEAVING WATER TEMPERATURE
MBH	BTU PER HOUR (THOUSAND)
N.T.S.	NOT TO SCALE
O.A.	OUTSIDE AIR
OE	OPEN END DUCT
OD	PRESSURE DROP
PH	PHASE
PSI	POUNDS PER SQUARE INCH
RDC	REGISTER DIFFUSER GRILLE
RET	RETURN
RPM	ROTATIONS PER MINUTE
SQ. FT.	SQUARE FEET
SUP	SUPPLY
TYP	TYPICAL
UH	UNIT HEATER
VD	VOLUME DAMPER
VP	VERIFY IN FIELD
WB	WET BULB
WP	WORKING PRESSURE

- ### MECHANICAL DEMOLITION NOTES
- THE MECHANICAL CONTRACTOR SHALL REMOVE ALL MECHANICAL EQUIPMENT, ACCESSORIES, CONTROLS AND ASSOCIATED PIPING AS SHOWN OR INDICATED ON THE DRAWINGS.
 - NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
 - THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
 - ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
 - THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND/OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
 - ANY MECHANICAL 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.
 - THE MECHANICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 - ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
 - THE MECHANICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

- ### MECHANICAL GENERAL NOTES
- THESE GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL DRAWINGS.
 - DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK. SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - 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.
 - THE PREFERRED HVAC CONTROLS VENDOR SHALL BE "SIEMENS".

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



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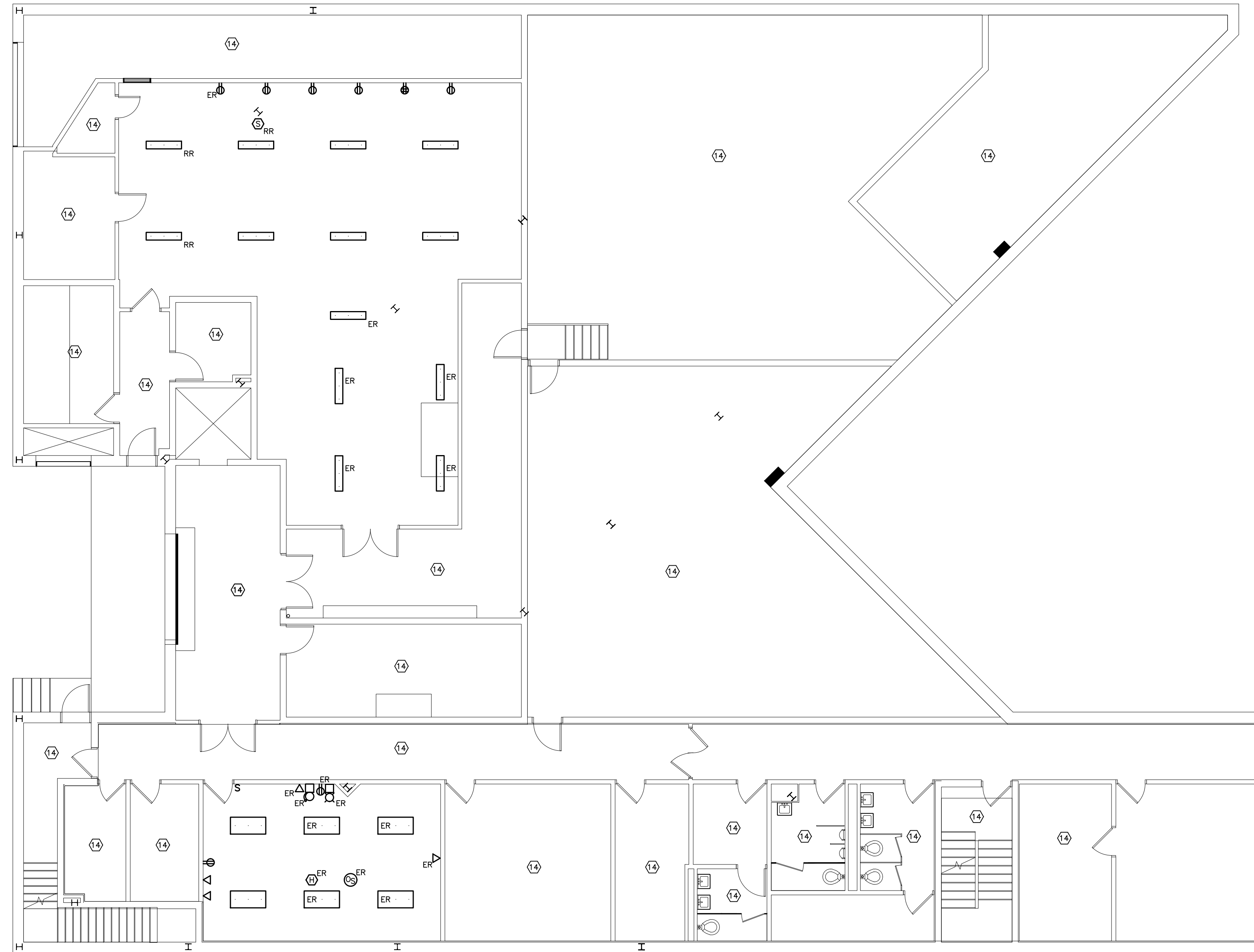
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DRAWING NAME:
MECHANICAL NOTES, LEGENDS, & SCHEDULES
DRAWING NO.
M-203

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

PROJECT DEMOLITION NOTES

1. GE 13.8KV, 600A LOAD INTERRUPTER SWITCH, 750KVA TRANSFORMER, 240V, 2000A, 3P, 4W SERVICE ENTRANCE SWITCH WITH 2000A, 200KAC FUSES AND 2000A SUPPLY DISTRIBUTION FUSE/SWITCH SECTIONS TO REMAIN.
2. GE 208Y/120V, 1000A MCB, 3ø, 4W PANELBOARD TO REMAIN. REMOVE 1P, 20A BRANCH CIRCUIT BREAKERS AS REQUIRED. CIRCUIT BREAKERS THAT BECOMES SPARES DUE TO DEMOLITION SHALL BE TURNED TO "OFF" POSITION AND MARKED AS SPARES.
3. GE 208Y/120V, 1200A MLO, 3ø, 4W PANELBOARD TO REMAIN. REMOVE BRANCH CIRCUIT BREAKERS AS REQUIRED. CIRCUIT BREAKERS THAT BECOMES SPARES DUE TO DEMOLITION SHALL BE TURNED TO "OFF" POSITION AND MARKED AS SPARES.
4. GE 208Y/120V, 3ø, 3W (KP4) AND 3ø, 4W (KP5) TO REMAIN. CIRCUIT BREAKERS THAT BECOMES SPARES DUE TO DEMOLITION SHALL BE TURNED TO "OFF" POSITION AND MARKED AS SPARES.
5. 12"x12" WW, MODIFY WIREWAY AND REMOVE SECTION ABOVE PANELBOARD ALONG WITH ASSOCIATED RACEWAYS FOR FUTURE RACEWAY CONNECTION DIRECTLY TO PANELBOARDS.
6. REMOVE 100A BUSS TAP TO PANELBOARD KP1 FEEDER, 100A DISCONNECT SWITCH, WIRING AND RACEWAY TO IT PANEL DISCONNECT SWITCH.
7. REMOVE GROUND WIRE FROM GROUND BAR CONNECTION TO BUILDING STEEL.
8. REMOVE 208Y/120V, 3ø, 4W PANELBOARD, BRANCH CIRCUITS, WIRING AND RACEWAYS BACK TO SOURCE.
9. 400A FUSED DISCONNECT SWITCH, WIRING AND RACEWAY BACK TO REMAIN FOR REUSE.
10. REMOVE WIRING, RACEWAY FROM MAJ-1 AND 400A DISCONNECT SWITCH BACK TO SOURCE.
11. GE 208Y/120V, 3ø, 4W PANELBOARD TO REMAIN. CIRCUIT BREAKERS THAT BECOMES SPARES DUE TO DEMOLITION SHALL BE TURNED TO "OFF" POSITION AND MARKED AS SPARES.
12. REMOVE CENTURY STRAND LIGHTING CONTROL PANELS, PANELBOARD DA/DB (36 BRANCH CIRCUITS), ASSOCIATED WIRING AND RACEWAYS BACK TO SOURCE.
13. REMOVE L1A PANELBOARD (30 BRANCH CIRCUITS), L1A2 LOAD CENTER (23 BRANCH CIRCUITS), ASSOCIATED WIRING AND RACEWAYS BACK TO SOURCE. REMOVE (5) 1P, 20A EXTERIOR LIGHTING AND RECEPTACLE BRANCH CIRCUITS. PROVIDE NECESSARY JUNCTION BOXES, RACEWAYS AND WIRING. RELOCATE WITH ASCO LIGHTING CONTRACTOR (LC) TO NEW PANELBOARD.
14. EXISTING AREA TO REMAIN.
15. REMOVE CAMERA, RACEWAY AND CABLING. RETURN CAMERA TO CHARTWELLS, TYPICAL.
16. REMOVE WAP, RACEWAY AND CABLING. RETURN WAP TO COLLEGE IT.
17. REMOVE SPEAKER, RACEWAY AND CABLING. RETURN SPEAKER TO COLLEGE, TYPICAL.
18. REMOVE AND RELOCATE IN PLACE CEILING MOUNTED LIGHTING AND DEVICES IN CORRIDOR AS REQUIRED TO ACCOMMODATE WORK.
19. REMOVE LOAD CENTER (12 BRANCH CIRCUITS), WIRING AND RACEWAY BACK TO SOURCE.
20. REMOVE EXISTING LIGHT FIXTURES IN THIS AREA AND STORE FOR REINSTALLATION AFTER COMPLETION OF NEW SPRINKLER SYSTEM WORK IN THIS AREA. TYPICAL IN BACK OF HOUSE, DRY STORAGE AREAS.
21. REMOVE EXISTING DEVICES AT THE CEILING IN THIS AREA AND STORE FOR REINSTALLATION AFTER COMPLETION OF NEW SPRINKLER SYSTEM WORK IN THIS AREA. TYPICAL IN BACK OF HOUSE, DRY STORAGE AREAS.

GENERAL DEMOLITION NOTES

1. THE DEMOLITION DATA INDICATED ON THESE DRAWINGS IS AS EXACT AS COULD BE DOCUMENTED BASED ON AREA OCCUPANCY AND NORMAL OPERATION. WHETHER INDICATED OR NOT THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, DEVICES, ACCESSORIES, CONTROLS, ASSOCIATED WIRING, CABLING, JUNCTION BOXES AND RACEWAYS BACK TO SOURCE OR LAST DEVICE UNLESS OTHERWISE NOTED.
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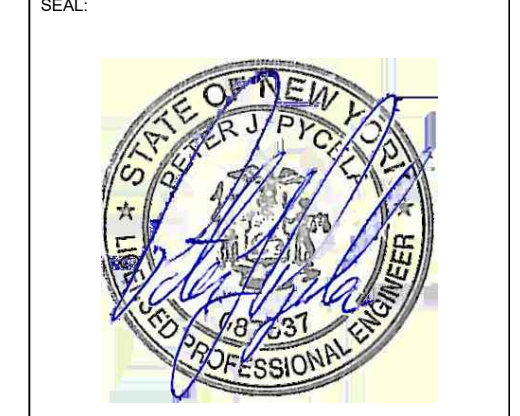
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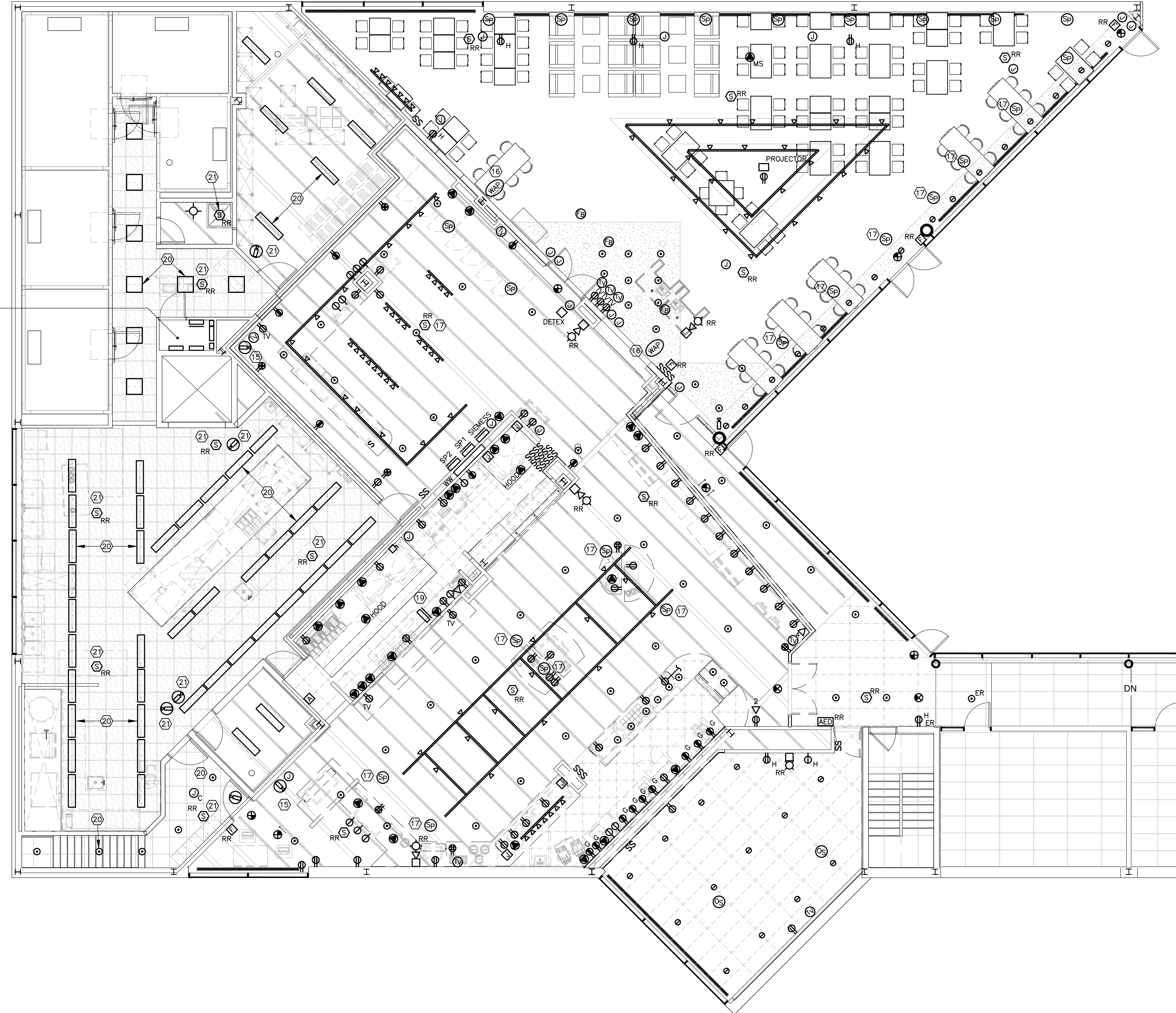
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BASEMENT ELECTRICAL DEMOLITION PLAN

DRAWING NO.
DE-100

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LOCATION OF (2) C3LC
PANELS PANELBOARD
DA/DE PANELBOARD
LIA, LIA2 ASCO LC
LOAD CENTER



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

NOTE: SEE SHEET DE-100 FOR
PROJECT DEMOLITION NOTES.

- GENERAL DEMOLITION NOTES**
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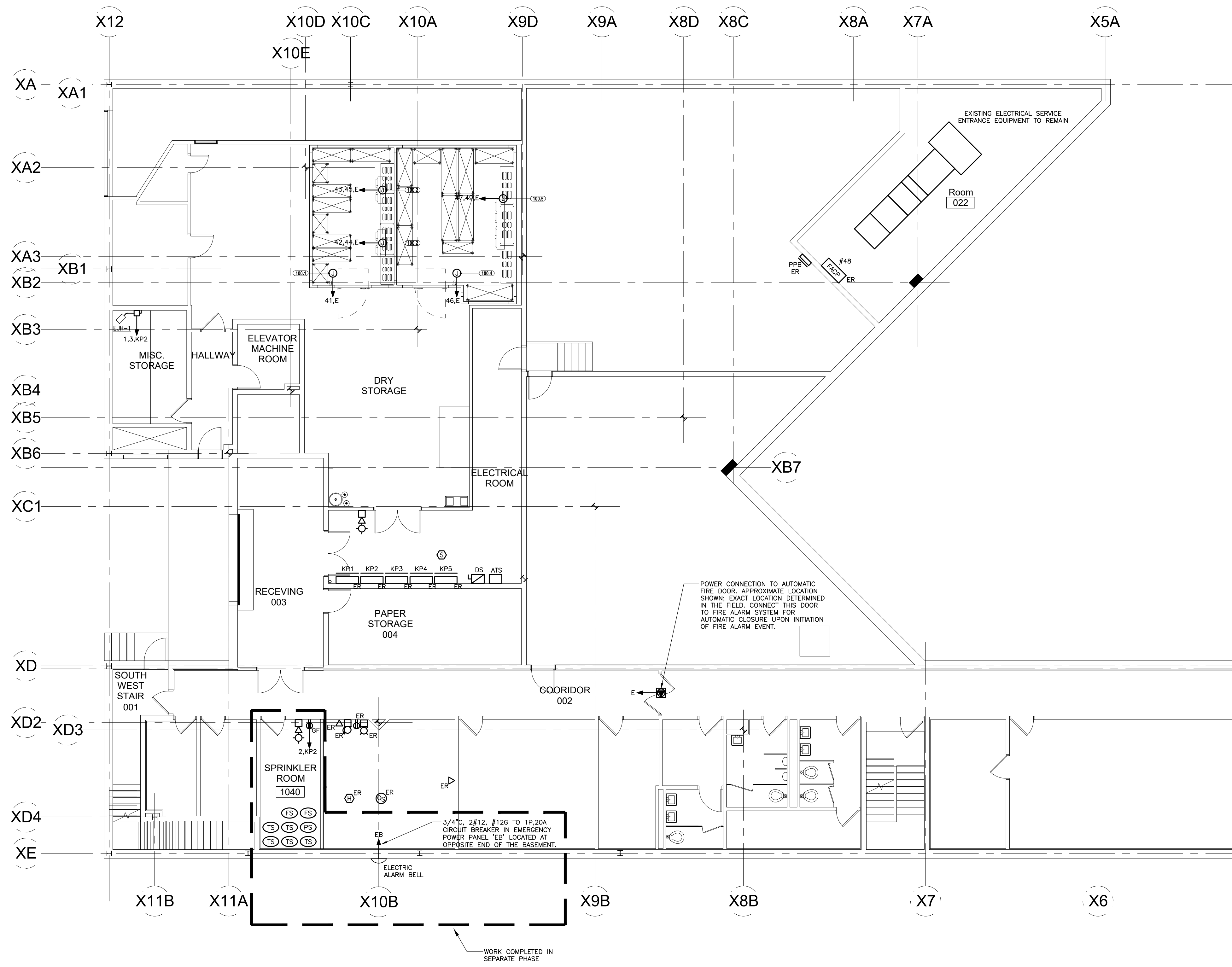


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DRAWING NAME:
**FIRST FLOOR
ELECTRICAL
DEMOLITION PLAN**

DRAWING NO.
DE-101

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

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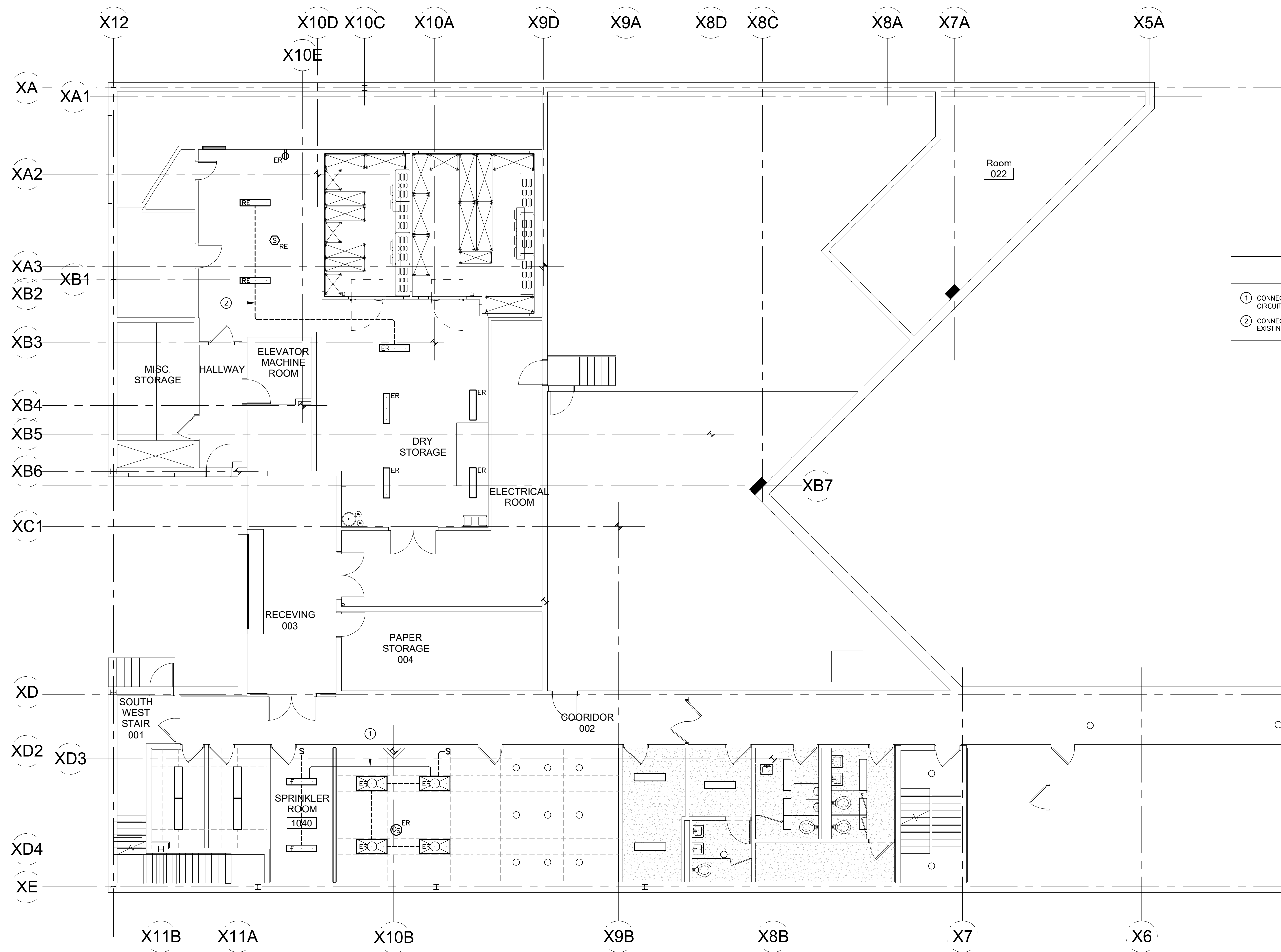


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BASEMENT POWER PLAN

DRAWING NO.
E-100

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- DRAWING NOTES**
- ① CONNECT TO EXISTING UNSWITCHED PORTION OF LOCAL LIGHTING BRANCH CIRCUIT WITH 3/4" C, 2#12, #12S.
 - ② CONNECT TO EXISTING LOCAL LIGHTING BRANCH CIRCUIT AND CONTROL WITH EXISTING LIGHT FIXTURES AND SWITCHES.

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

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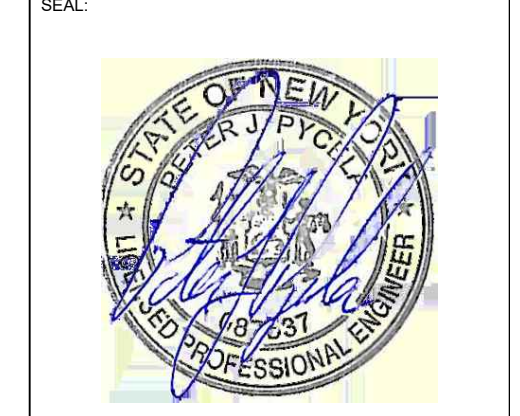
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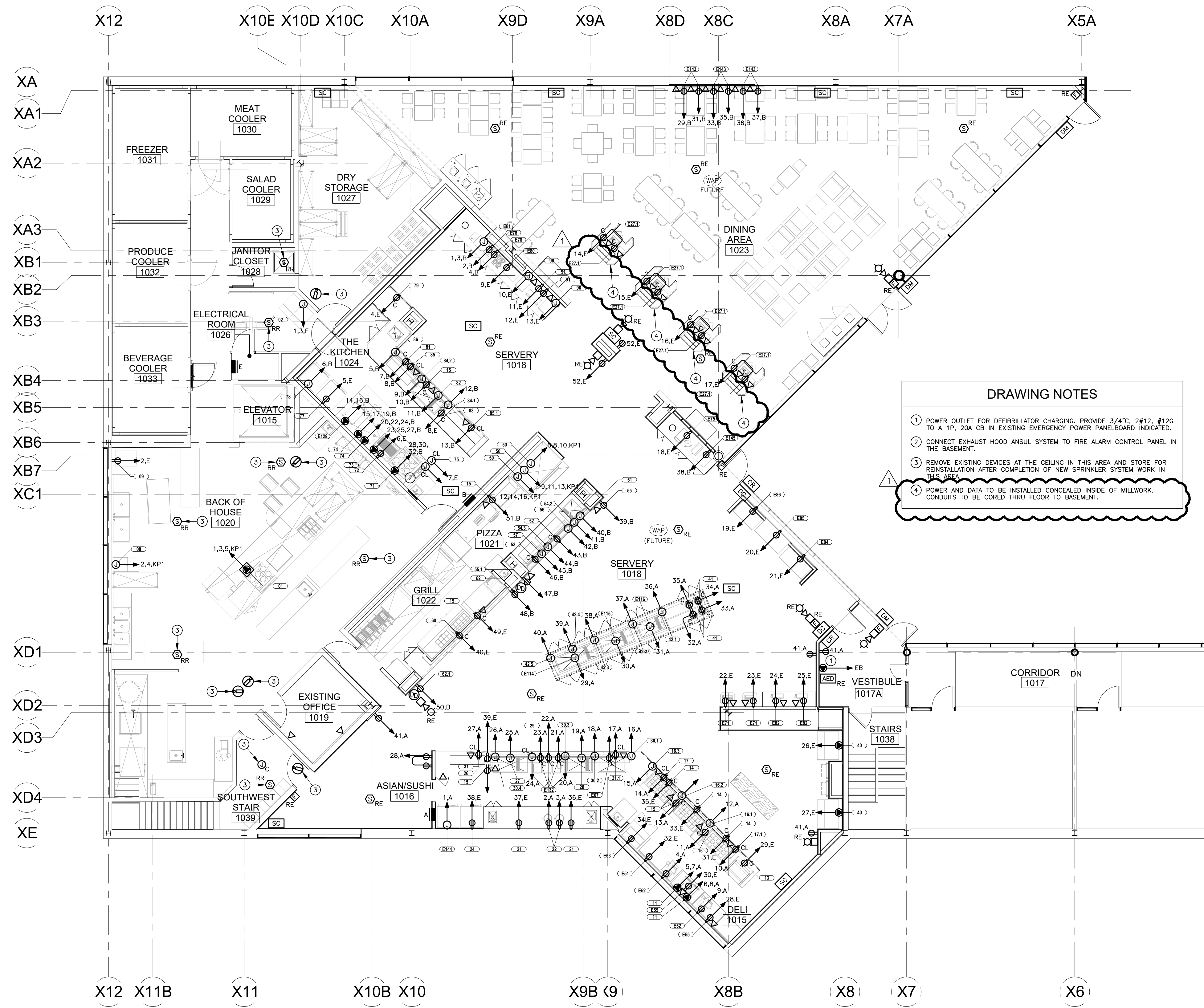


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BASEMENT LIGHTING PLAN

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E-101

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- DRAWING NOTES**
- 1 POWER OUTLET FOR DEFIBRILLATOR CHARGING. PROVIDE 3/4" C, 2#12, #12G TO A 1P, 20A CB IN EXISTING EMERGENCY POWER PANELBOARD INDICATED.
 - 2 CONNECT EXHAUST HOOD ANSUL SYSTEM TO FIRE ALARM CONTROL PANEL IN THE BASEMENT.
 - 3 REMOVE EXISTING DEVICES AT THE CEILING IN THIS AREA AND STORE FOR REINSTALLATION AFTER COMPLETION OF NEW SPRINKLER SYSTEM WORK IN THIS AREA.
 - 4 POWER AND DATA TO BE INSTALLED CONCEALED INSIDE OF MILLWORK. CONDUITS TO BE CORED THRU FLOOR TO BASEMENT.

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

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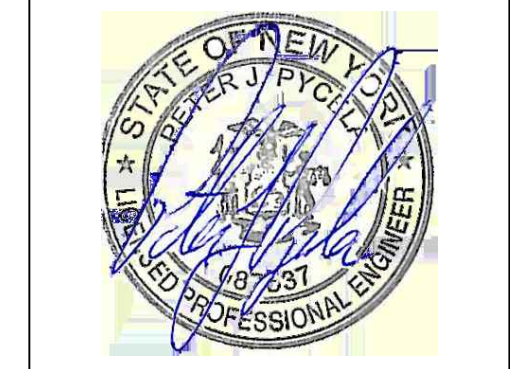
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CONSULTANT:
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 AN INTEGRATED ENGINEERING & DESIGN FIRM
 33 W. PLAINFIELD INDUSTRIAL RD.
 WALLINGFORD, CT 06492
 TEL: 203.467.4270
 WEB: WWW.IESLLC.BIZ

SUNY PURCHASE COLLEGE
CAFE RENOVATION
 735 ANDERSON HILL RD PURCHASE, NY 10577

REVISIONS

NO.	DATE	REVISION DESCRIPTION



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 ISSUED DATE: JULY 26, 2019

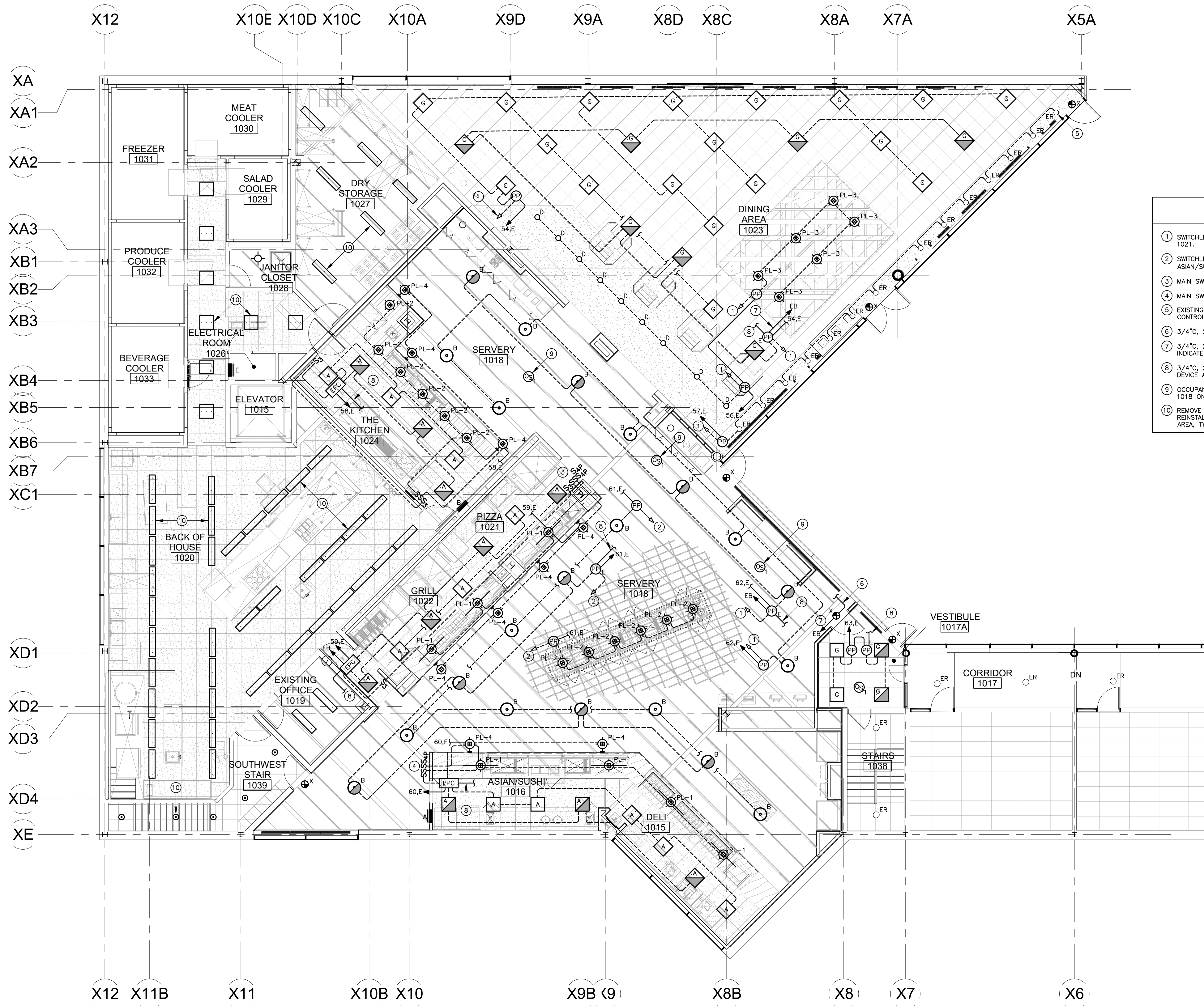
DRAWN BY: IES
 CHECKED BY: IES
 PROJECT NUMBER: 1517347

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FIRST FLOOR POWER PLAN

DRAWING NO.
E-102

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

- DRAWING NOTES**
- ① SWITCHLEG TO WALL POD STATION AT MAIN SWITCH BANK '1' NEAR PIZZA 1021.
 - ② SWITCHLEG TO WALL POD STATION AT MAIN SWITCH BANK '2' NEAR ASIAN/SUSHI 1016.
 - ③ MAIN SWITCH BANK '1'.
 - ④ MAIN SWITCH BANK '2'.
 - ⑤ EXISTING DOWNLIGHTS IN SOFFIT ALONG EXTERIOR WALL TO REMAIN; CONTROL AS INDICATED. CLEAN AND RELAMP, TYPICAL.
 - ⑥ 3/4" C, 2#12, #12G. CONNECT TO EACH EXIT SIGN, TYPICAL.
 - ⑦ 3/4" C, 2#12, #12G TO A 1P, 20A CIRCUIT BREAKER IN PANELBOARD INDICATED.
 - ⑧ 3/4" C, 2#12, #12G TO LIFE SAFETY BRANCH FEED THROUGH TO EACH EPC DEVICE AND LIFE SAFETY POWER PACK.
 - ⑨ OCCUPANCY SENSOR FOR CONTROL OF 10 TYPE 'B' FIXTURES IN SERVERY 1018 ON CIRCUIT 62.E.
 - ⑩ REMOVE EXISTING LIGHT FIXTURES IN THIS AREA AND STORE FOR REINSTALLATION AFTER COMPLETION OF NEW SPRINKLER SYSTEM IN THIS AREA, TYPICAL.

ARCHITECT:

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

CLIENT:

chartwells
 where hungry minds gather
 www.chartwellshighered.com

OWNER:

Purchase College
 STATE UNIVERSITY OF NEW YORK
 www.purchase.edu

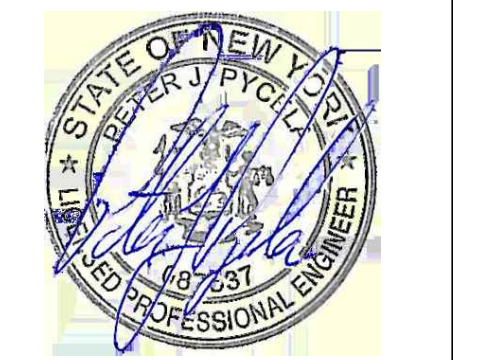
CONSULTANT:

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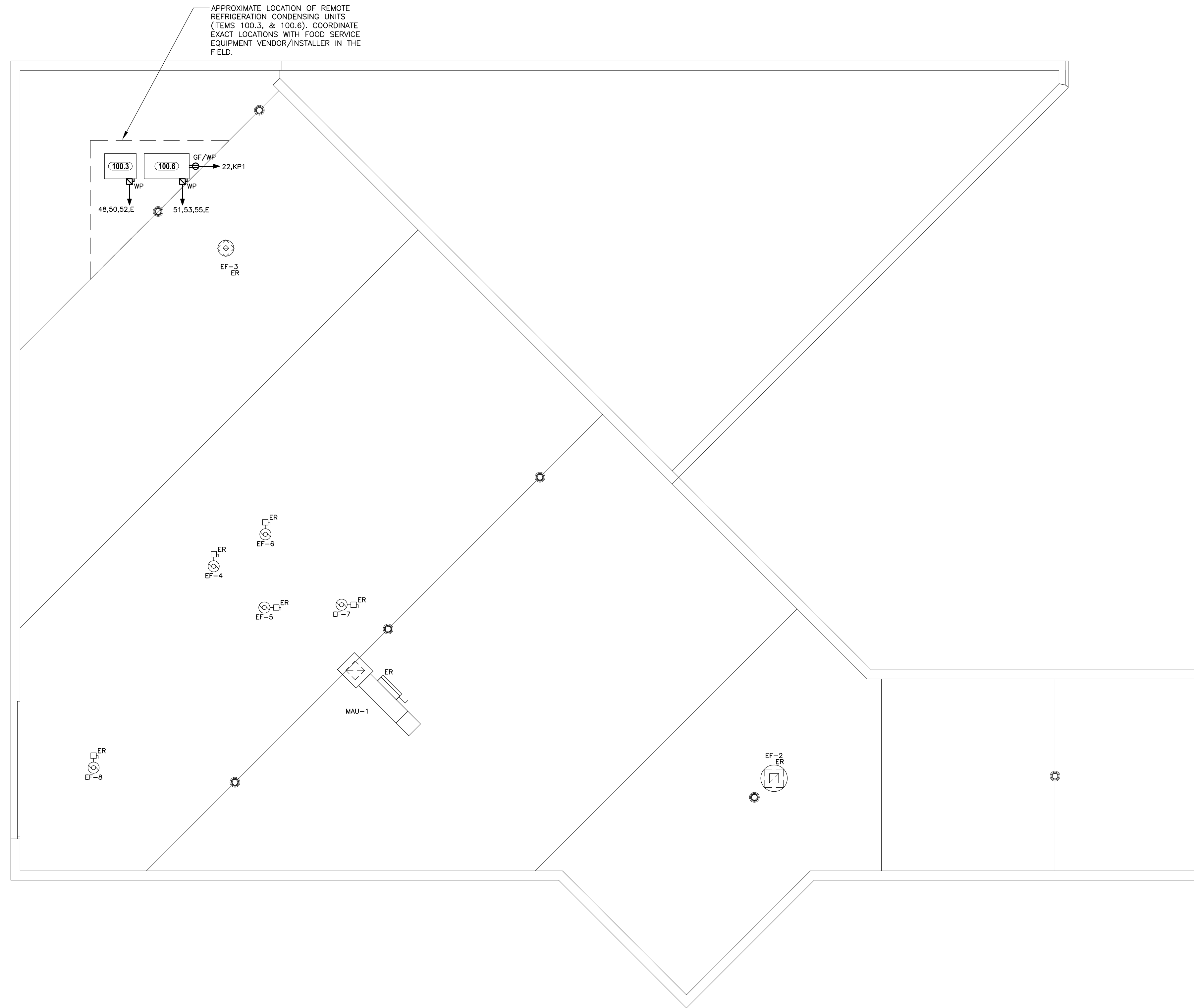


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FIRST FLOOR LIGHTING PLAN

DRAWING NO.
E-103

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



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www.chartwellshighered.com



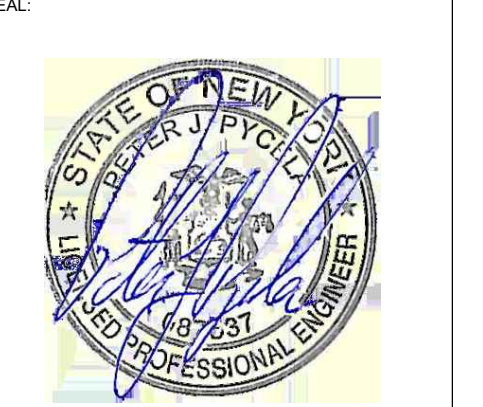
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WALLINGFORD, CT 06492
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REVISIONS		
NO.	DATE	DESCRIPTION



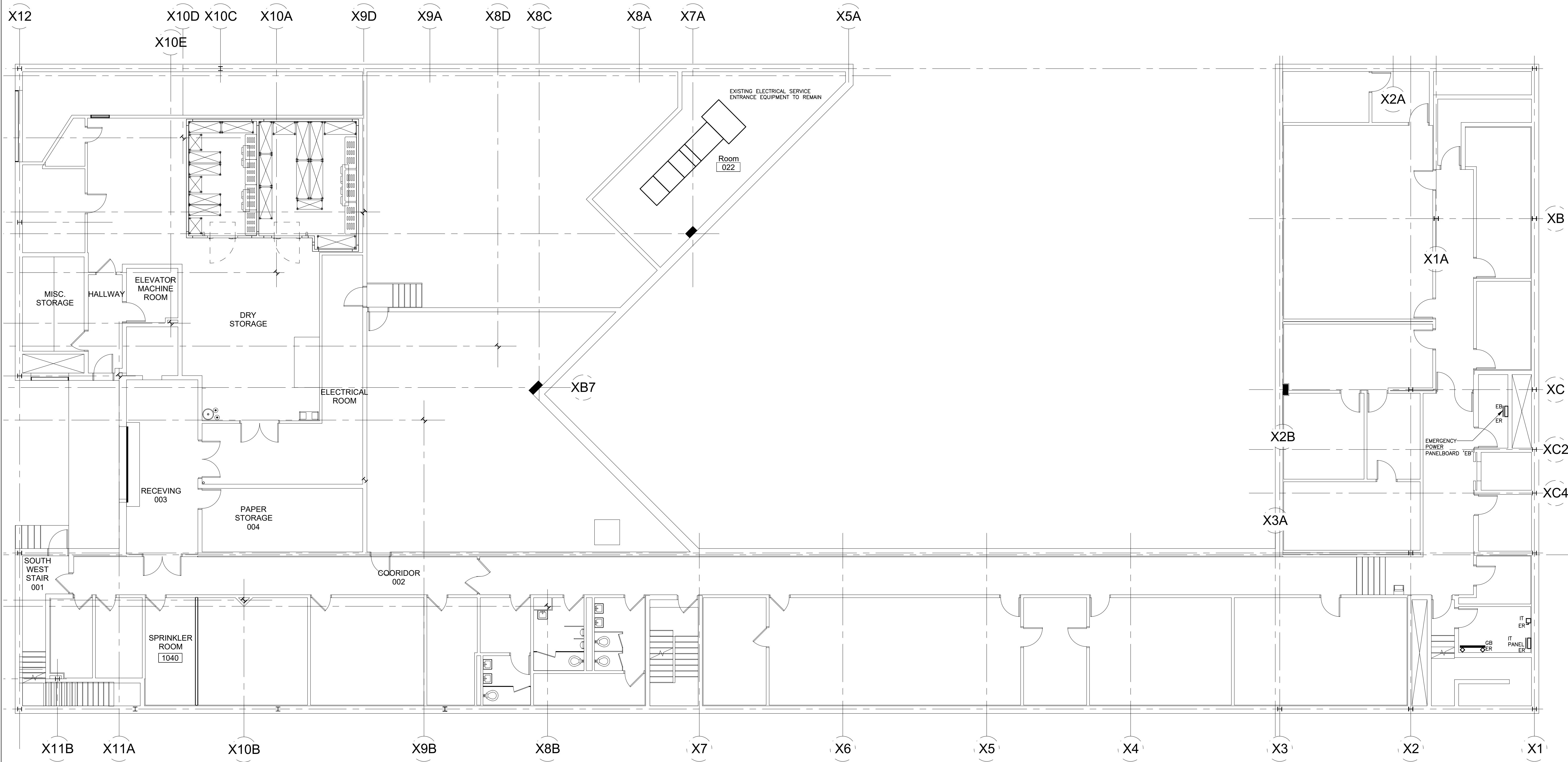
ISSUED FOR: BID
ISSUED DATE: JULY 26, 2019

DRAWN BY: IES
CHECKED BY: IES
PROJECT NUMBER: 1517347

DRAWING NAME:
ROOF ELECTRICAL PLAN

DRAWING NO.
E-104

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

ARCHITECT:

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OWNER:

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CONSULTANT:

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PROJECT:
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SEAL:

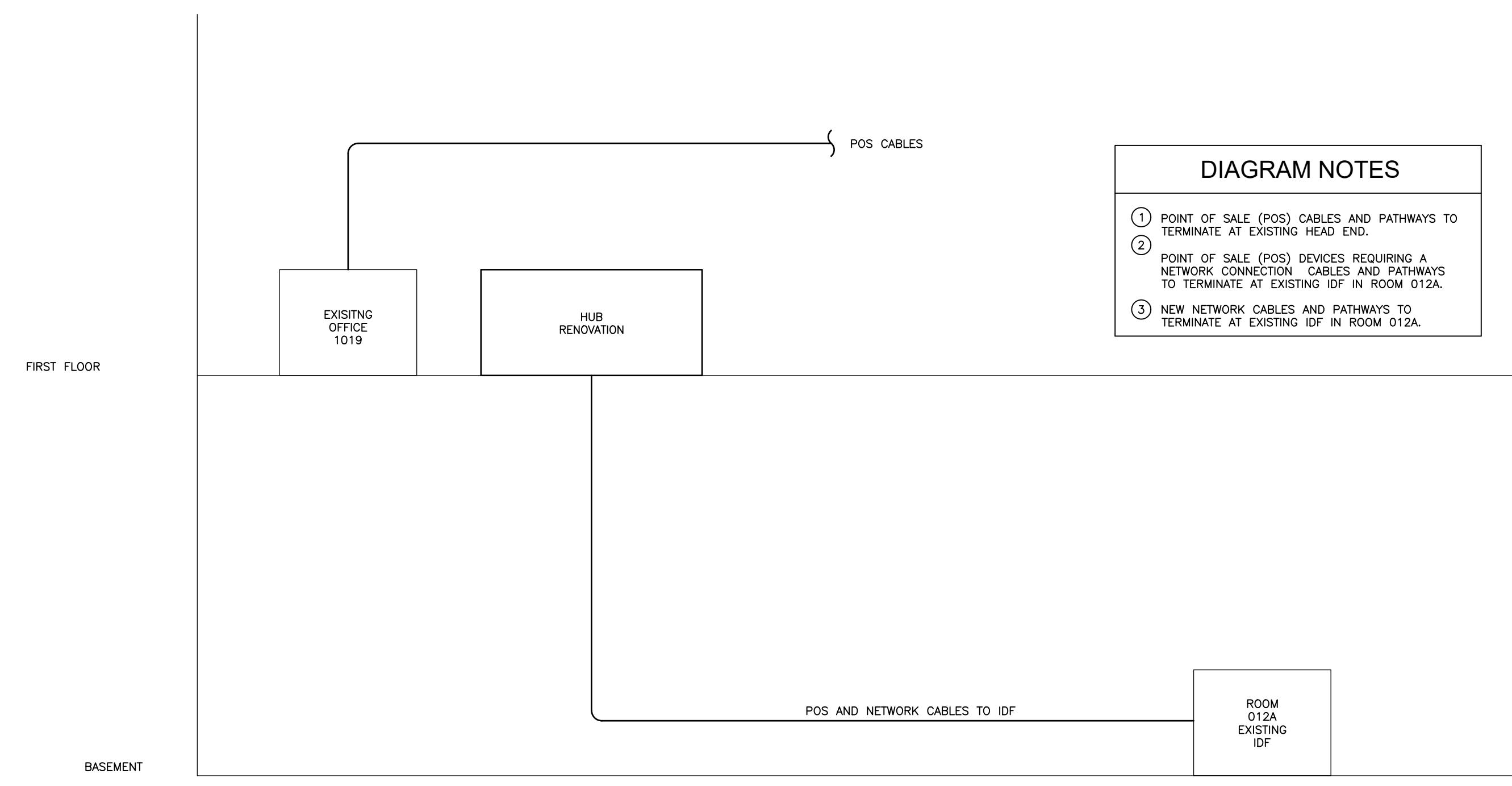

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 PROJECT NUMBER: 1517347
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DRAWING NAME:
BASEMENT ELECTRICAL LOCATION PLAN

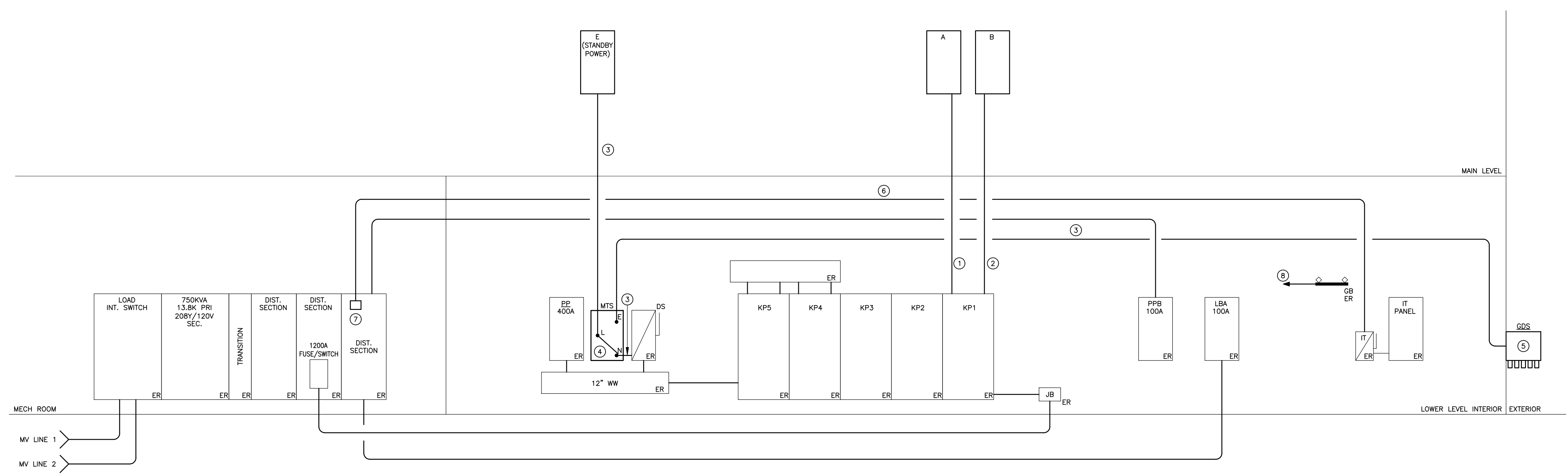
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E105

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- DIAGRAM NOTES**
- 1 POINT OF SALE (POS) CABLES AND PATHWAYS TO TERMINATE AT EXISTING HEAD END.
 - 2 POINT OF SALE (POS) DEVICES REQUIRING A NETWORK CONNECTION CABLES AND PATHWAYS TO TERMINATE AT EXISTING IDF IN ROOM 012A.
 - 3 NEW NETWORK CABLES AND PATHWAYS TO TERMINATE AT EXISTING IDF IN ROOM 012A.

COMMUNICATIONS ONE-LINE DIAGRAM
SCALE: N.T.S.



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

- ONE LINE RISER DIAGRAM NOTES**
- 1 3"C, 4#4/O, #4G.
 - 2 3"C, 4#350KCMIL, #4G.
 - 3 4"C, 4#500KCMIL, #3G.
 - 4 208Y, 400A, 3 POLE, 4 WIRE, SOLID NEUTRAL, MANUAL TRANSFER SWITCH, ESL POWER SYSTEMS #3040 SERIES OR APPROVED EQUAL.
 - 5 ESL POWER SYSTEM IB4 GENERATOR DOCKING STATION (GDS400) QUICK CONNECT/TAP BOX RATED FOR 208V, 400A, 3 PHASE, 4 WIRE, GROUND OPERATION IN NEMA TYPE 3R, 304SS, EXTENDED DEPTH ENCLOSURE.
 - 6 1 1/2"C, 4#2, #6G.
 - 7 CONNECT TO SPARE 3 POLE, 100A FUSE SWITCH. PROVIDE (3) 100A FUSES.
 - 8 #3G WITH GREEN INSULATION FROM IT GROUND BAR TO ELECTRICAL SERVICE ENTRANCE EQUIPMENT GROUND BUSS.

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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PROJECT:
SUNY PURCHASE COLLEGE
CAFÉ RENOVATION
735 ANDERSON HILL RD PURCHASE, NY 10577

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ONE-LINE RISER DIAGRAMS

DRAWING NO.
E-200

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FOOD SERVICE ELECTRICAL SCHEDULE - FIRST LEVEL

Table with columns: ITEM NO, QTY, DESCRIPTION, AMPS, WATTS, HP, VOLTS, PHASE, CYCLE, CONN TYPE, NEMA, ELEC AFT, CONDUIT AND WIRE. Contains detailed electrical specifications for various kitchen equipment.

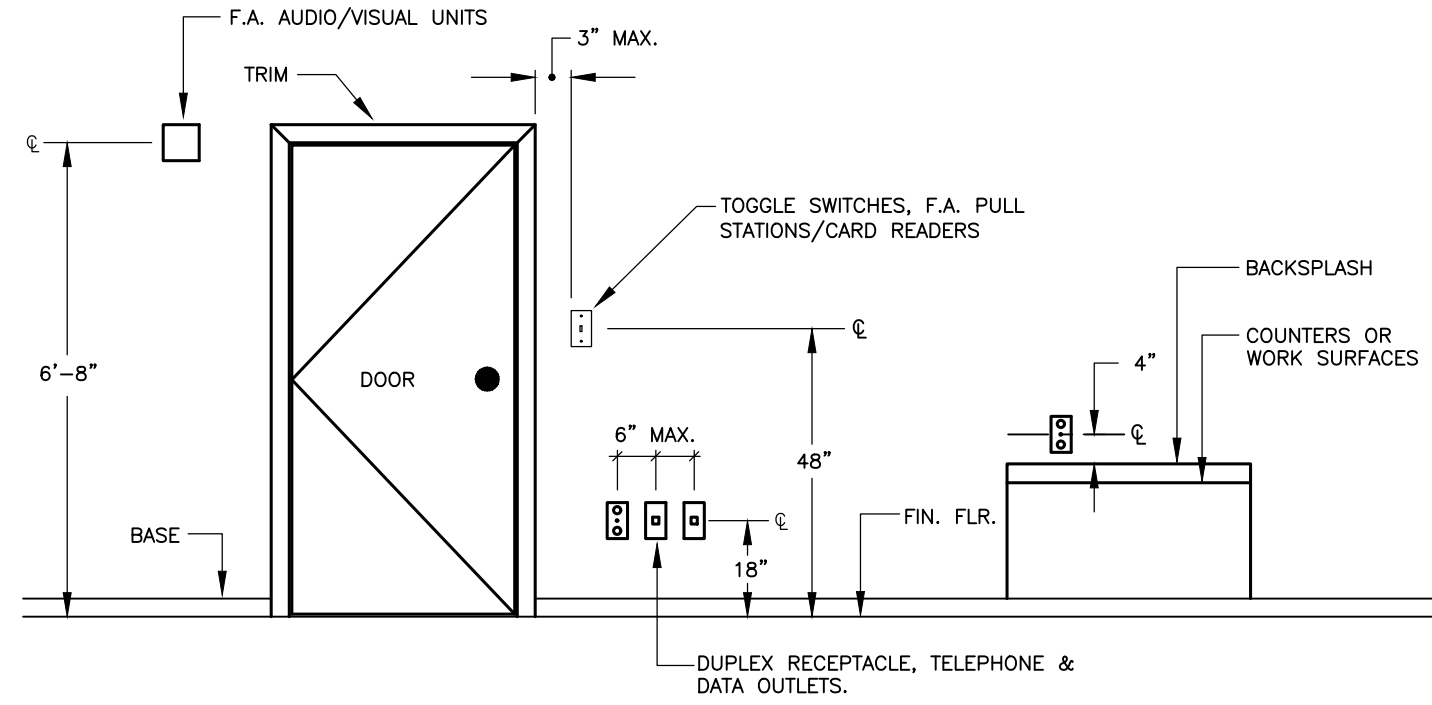
ARCHITECT: PHASE ZERO DESIGN, 8 WILCOX STREET, SIMSBURY, CONNECTICUT 06070. Includes contact information and logos for chartwells and Purchase College.

SUNY PURCHASE COLLEGE CAFE RENOVATION. 735 ANDERSON HILL RD PURCHASE, NY 10577. Includes logos for IES and INNOVATIVE ENGINEERING SERVICES, LLC.

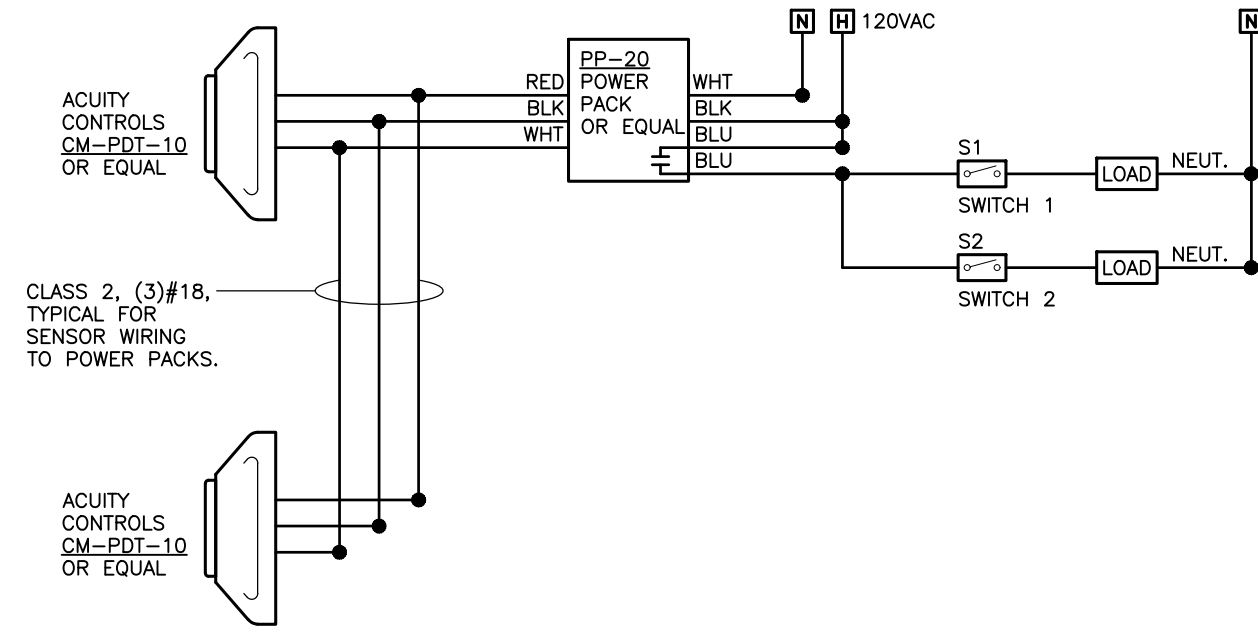
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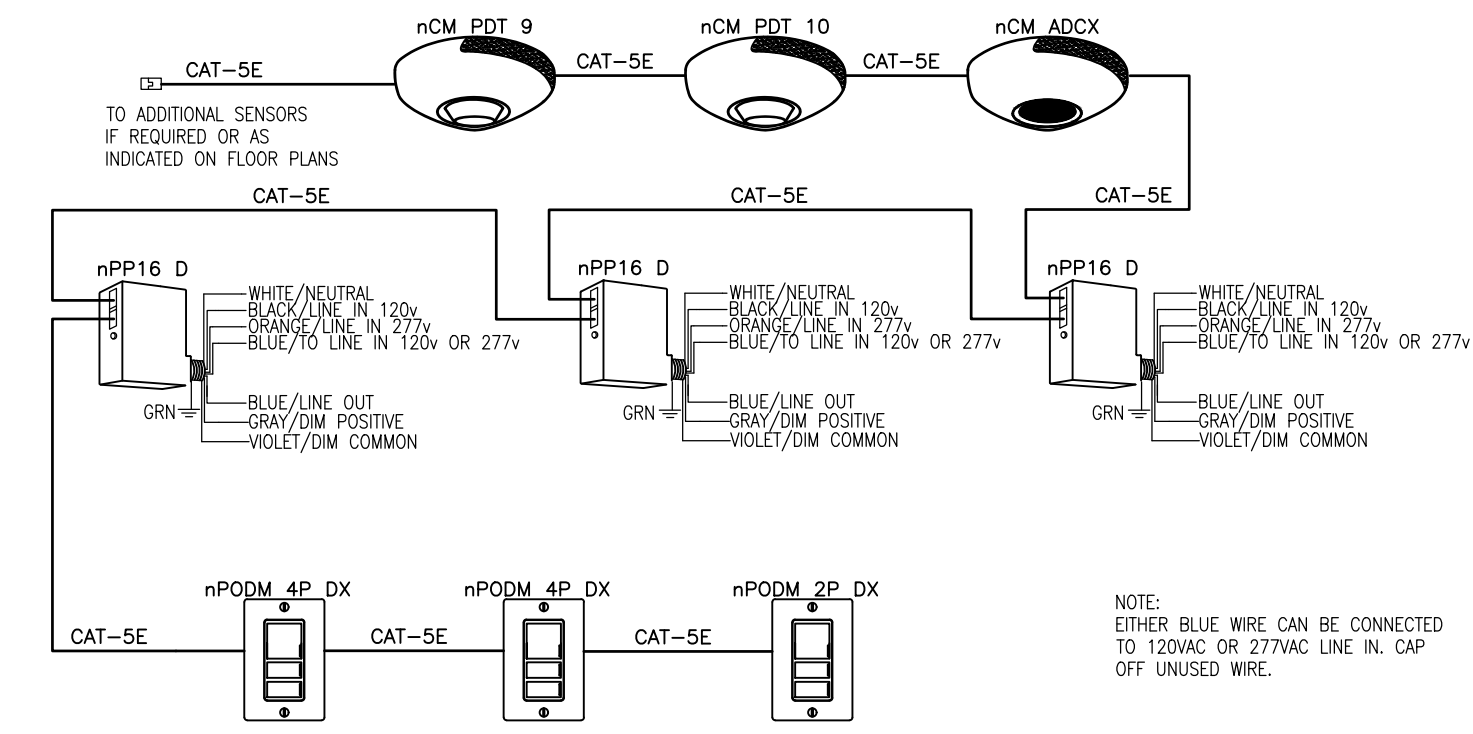


DEVICE MOUNTING DETAIL
SCALE: N.T.S.



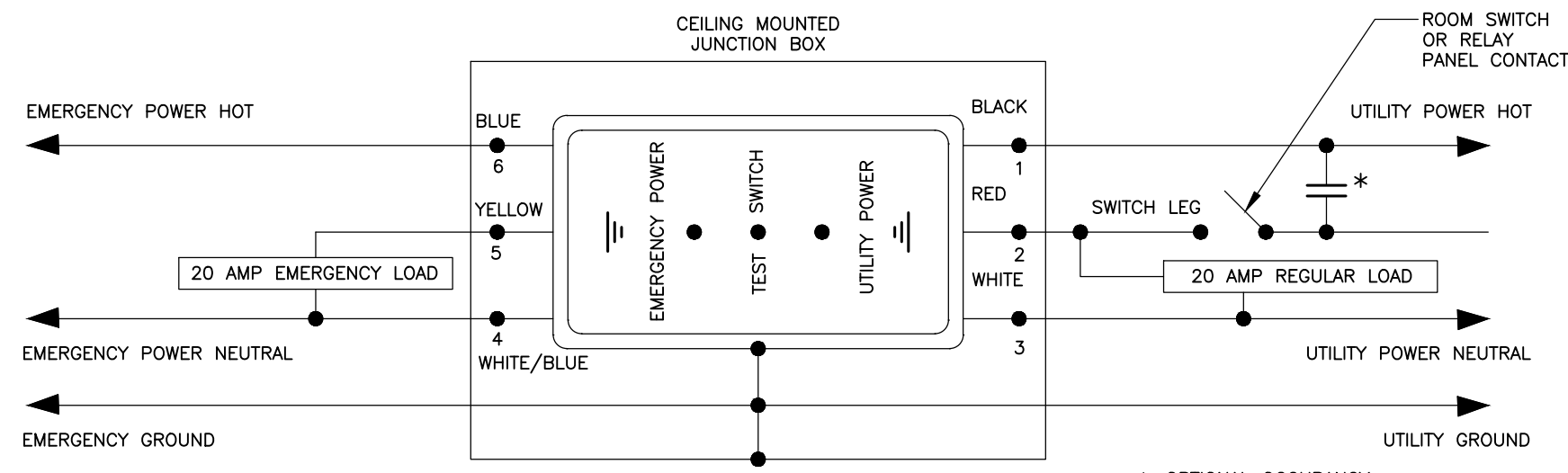
TYPICAL LOW-VOLTAGE SENSOR LIGHTING CONTROL SCHEMATIC
SCALE: N.T.S.

NOTES:
EXACT QUANTITY AND MODEL # OF DEVICES MAY DIFFER FROM THIS DETAIL. CONTRACTOR SHALL PROVIDE ACTUAL QUANTITY AND MODEL # REQUIRED. REFER TO LIGHTING FLOOR PLANS.
COORDINATE LOW VOLTAGE CABLE TYPE, CABLE SIZE AND QUANTITY PER MANUFACTURER'S REQUIREMENTS; CLASS 2 CONDUCTORS PER NEC 725, AND PLENUM RATED.



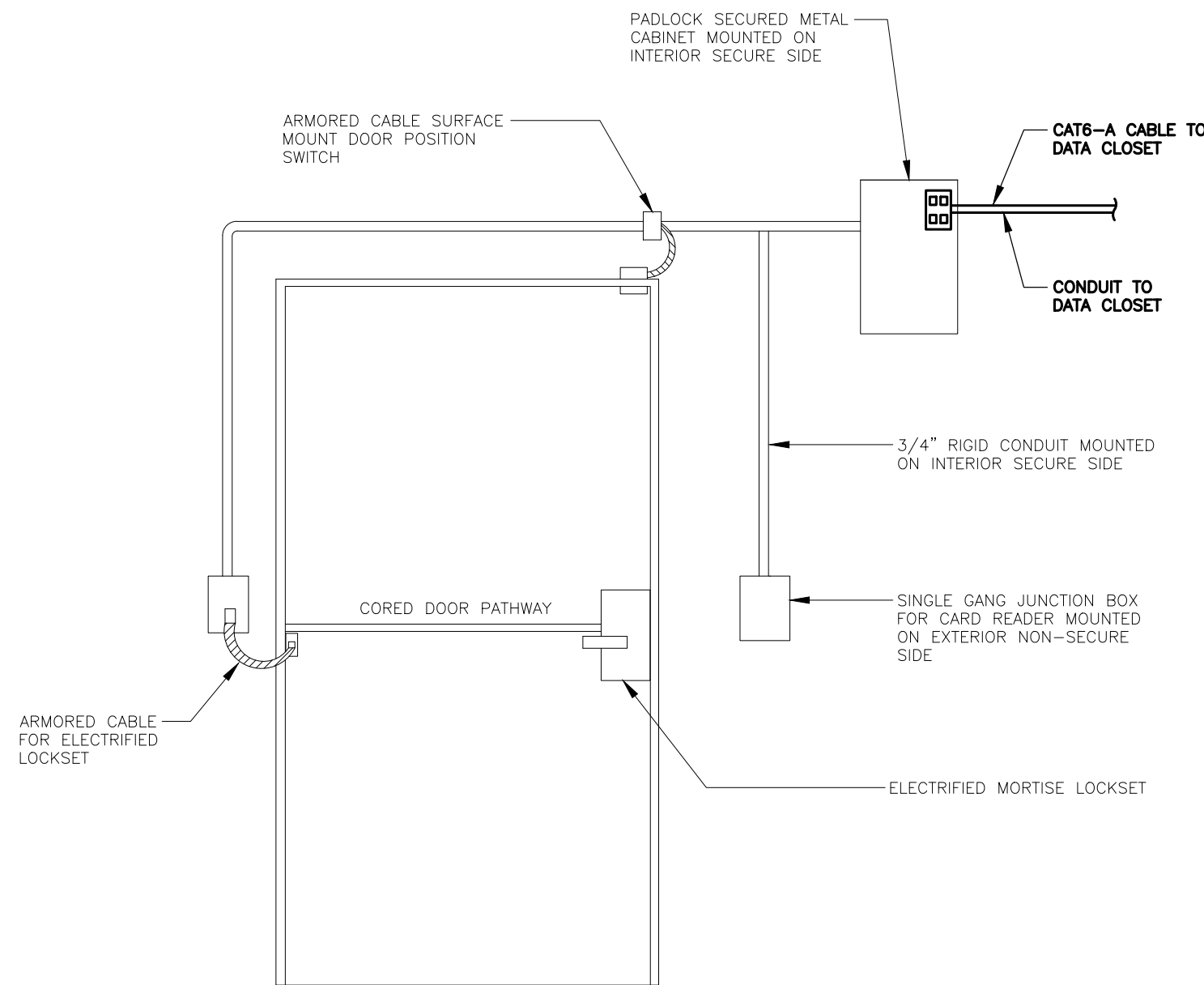
TYPICAL nLIGHT LOW-VOLTAGE MULTI-ZONE DIMMING & DAYLIGHT CONTROL
SCALE: N.T.S.

NOTES:
EXACT QUANTITY AND MODEL # OF DEVICES MAY DIFFER FROM THIS DETAIL. CONTRACTOR SHALL PROVIDE ACTUAL QUANTITY AND MODEL # REQUIRED. REFER TO LIGHTING FLOOR PLANS.
COORDINATE LOW VOLTAGE CABLE TYPE, CABLE SIZE AND QUANTITY PER MANUFACTURER'S REQUIREMENTS; CLASS 2 CONDUCTORS PER NEC 725, AND PLENUM RATED.

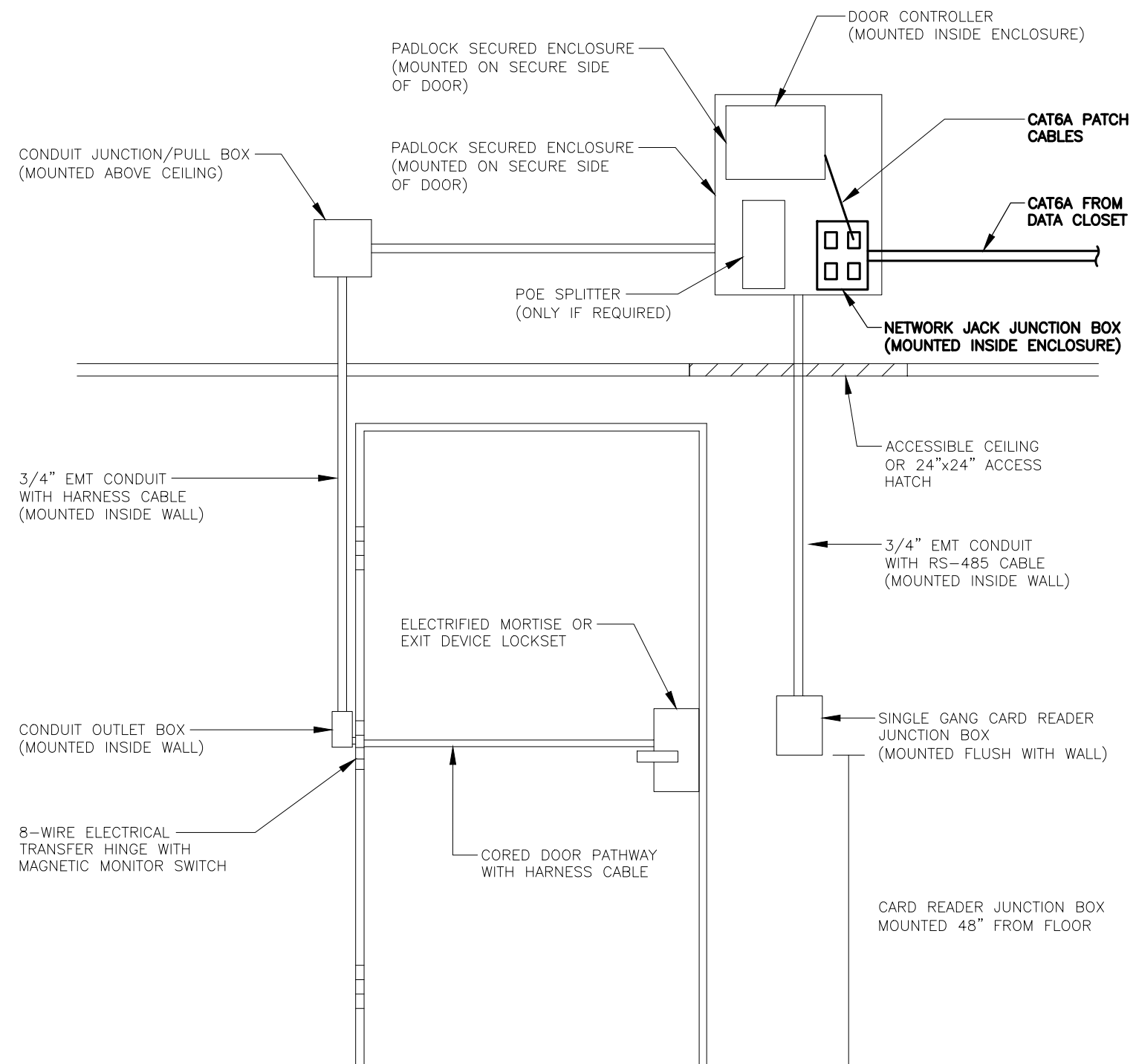


NOTES:
1. A COMMON SWITCH CONTROLS BOTH NORMAL AND EMERGENCY LIGHTING IN A SPACE. UPON LOSS OF NORMAL (UTILITY) POWER, THE EMERGENCY LIGHTING COMES ON REGARDLESS OF SWITCH POSITION.
2. IT IS RECOMMENDED TO NUMBER FIELD WIRING EXACTLY THE SAME WITH NUMBERS PROVIDED.
3. INTERCONNECT WITH DIMMING SYSTEM AS REQUIRED.
4. PROVIDE RED COLORED IDENTIFICATION NAME PLATE FOR EACH EPC. LOCATE NAME PLATE BELOW DEVICE ON ACOUSTICAL CEILING GRID.

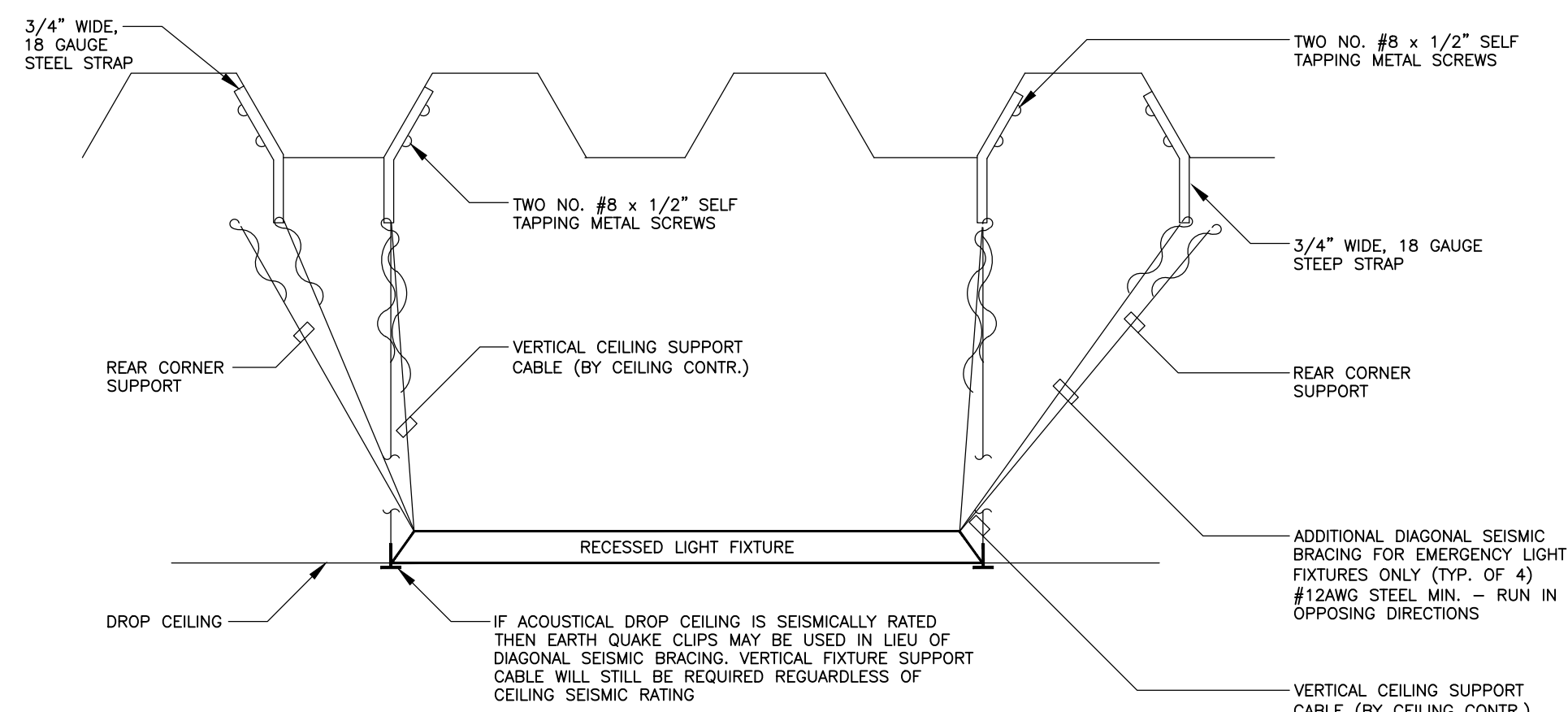
EMERGENCY POWER CONTROL
N.T.S.



DOOR DETAIL
N.T.S.



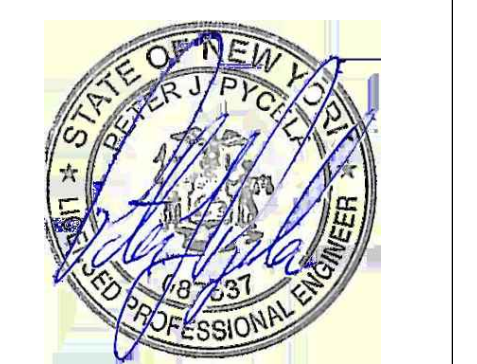
ELECTRONIC ACCESS CONTROL DOOR DETAIL
N.T.S.



TYPICAL LIGHTING FIXTURE WIRE HANGER DETAIL
SCALE: N.T.S.

NOTES:
IN ADDITION TO TYPICAL BRACING WIRE TO SUPPORT FIXTURES, THE ELECTRICAL CONTRACTOR SHALL PROVIDE FOUR(4) EARTHQUAKE CLIPS PER FIXTURE OR FOUR(4) ADDITIONAL DIAGONAL SEISMIC BRACING WIRES; ONE PER CORNER. SEISMIC BRACING WIRES TO RUN IN OPPOSING DIAGONAL DIRECTIONS.

NO.	REVISIONS	
	DATE	DESCRIPTION



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DRAWING NAME:

**ELECTRICAL
DETAILS**

DRAWING NO.

E-204

FIRE ALARM SYSTEM NOTES

FURNISH AND INSTALL ALL MATERIALS, EQUIPMENT, LABOR AND SERVICE REQUIRED TO EXTEND THE EXISTING FIRE ALARM SYSTEM...

INSTALLATION

FURNISH AND INSTALL THE SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, ALL APPLICABLE CODES AND THE MANUFACTURER'S RECOMMENDATIONS...

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 REEL, 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 UNPLICED.

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

PROVIDE SEPARATE FIRE ALARM HARDWARE AND INITIATION LOOP FOR THE DINING AND SUPPORT AREAS.

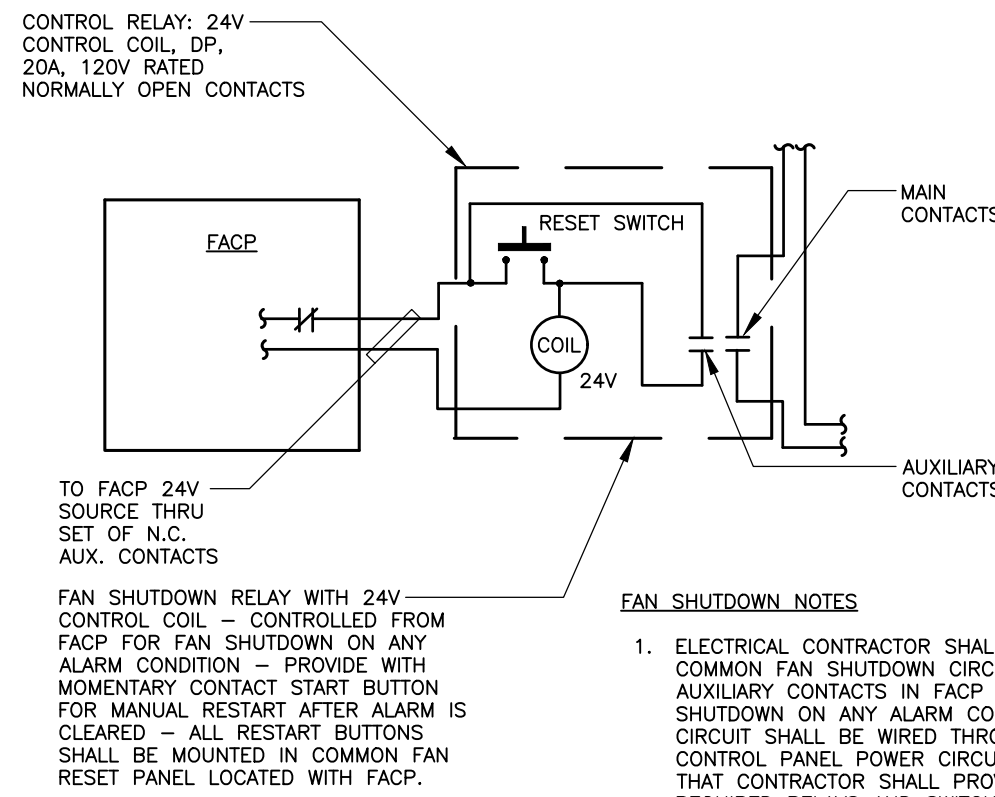
PROVIDE FIRE ALARM CONTROL MODULE AND CONNECT TO DOOR ACCESS CONTROL SYSTEM.

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 CLARITY 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.



TYPICAL FAN RESET DETAIL

SCALE: N.T.S.

ABOVE DETAIL FOR INFORMATION PURPOSES ONLY AND MAY NEED TO BE ADJUSTED TO SUIT FIELD CONDITION.

LIGHTING SPECIFICATIONS

Table with 2 columns: LIGHTING FIXTURE TYPE (A) and LIGHTING FIXTURE TYPE (B). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (C) and LIGHTING FIXTURE TYPE (D). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (E) and LIGHTING FIXTURE TYPE (F). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (G) and LIGHTING FIXTURE TYPE (H). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (I) and LIGHTING FIXTURE TYPE (J). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (K) and LIGHTING FIXTURE TYPE (L). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (M) and LIGHTING FIXTURE TYPE (N). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (O) and LIGHTING FIXTURE TYPE (P). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (Q) and LIGHTING FIXTURE TYPE (R). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (S) and LIGHTING FIXTURE TYPE (T). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (U) and LIGHTING FIXTURE TYPE (V). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (W) and LIGHTING FIXTURE TYPE (X). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (Y) and LIGHTING FIXTURE TYPE (Z). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (AA) and LIGHTING FIXTURE TYPE (AB). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-1) and LIGHTING FIXTURE TYPE (PL-2). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-3) and LIGHTING FIXTURE TYPE (PL-4). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-5) and LIGHTING FIXTURE TYPE (PL-6). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-7) and LIGHTING FIXTURE TYPE (PL-8). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-9) and LIGHTING FIXTURE TYPE (PL-10). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-11) and LIGHTING FIXTURE TYPE (PL-12). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-13) and LIGHTING FIXTURE TYPE (PL-14). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-15) and LIGHTING FIXTURE TYPE (PL-16). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-17) and LIGHTING FIXTURE TYPE (PL-18). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-19) and LIGHTING FIXTURE TYPE (PL-20). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-21) and LIGHTING FIXTURE TYPE (PL-22). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-23) and LIGHTING FIXTURE TYPE (PL-24). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-25) and LIGHTING FIXTURE TYPE (PL-26). Includes manufacturer, catalog no, and fixture description.

Table with 2 columns: LIGHTING FIXTURE TYPE (PL-27) and LIGHTING FIXTURE TYPE (PL-28). Includes manufacturer, catalog no, and fixture description.

PROJECT & COMMUNICATIONS NOTES

- 1. CONTRACTOR SHALL BE FAMILIAR WITH THE SUNY PURCHASE COLLEGE CABLE INSTALLATION SPECIFICATION AND SOCKET VERSION 2.8. ALL CTS REQUIREMENTS FOR INSTALLATION OF PATHWAYS AND SPACES SUPPORTING LOW VOLTAGE CABLING SUPPORTING NETWORK ATTACHED SHALL BE FOLLOWED.

ABBREVIATIONS

Table listing abbreviations for materials and equipment such as AMPERE, AMERICANS WITH DISABILITIES ACT, ABOVE FINISHED FLOOR, etc.

ELECTRICAL LEGEND

Table defining symbols for electrical components like SPRINKLER TAMPER SWITCH, SPRINKLER WATER FLOW SWITCH, etc.

ELECTRICAL LEGEND

Table defining symbols for electrical components like SINGLE POLE TOGGLE SWITCH, TWO POLE TOGGLE SWITCH, THREE WAY TOGGLE SWITCH, etc.

GENERAL NOTES

- 1. 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.

PHASE ZERO DESIGN logo and contact information for Simsbury, Connecticut.

chartwells logo and website information.

Purchase College logo and website information.

INNOVATIVE ENGINEERING SERVICES, LLC logo and website information.

SUNY PURCHASE COLLEGE logo, renovation information, and architectural drawing title block with revision table.