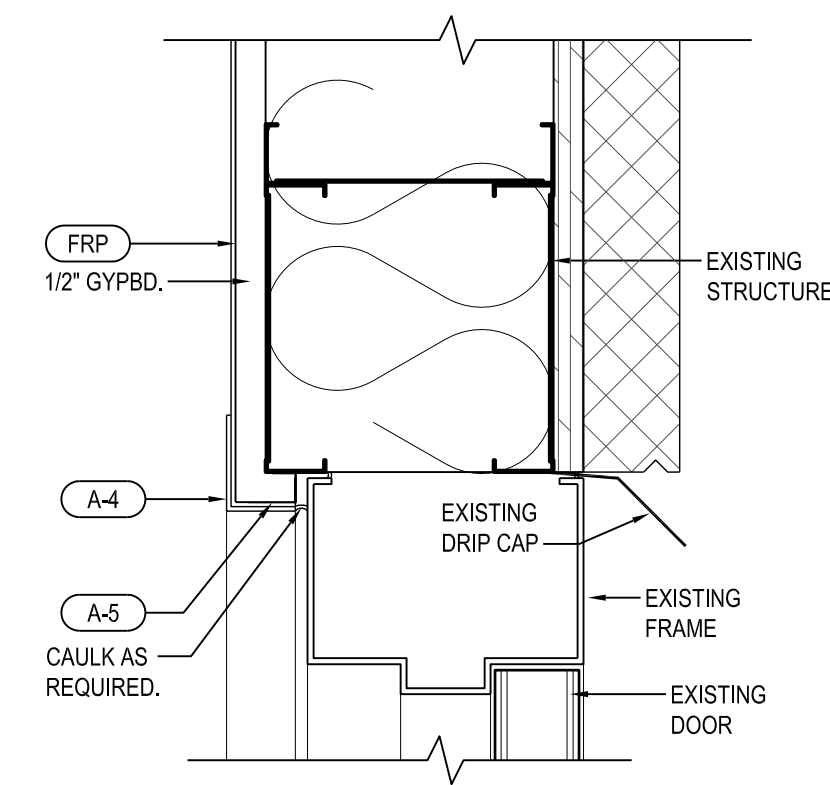




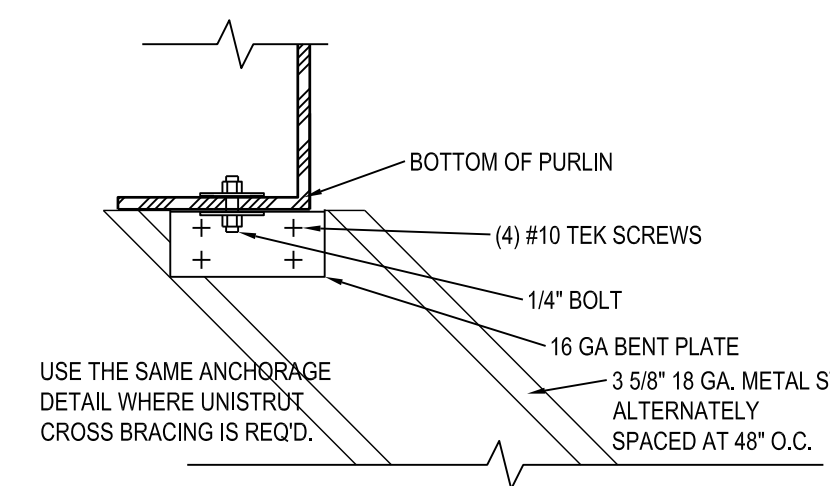


TILSLEY ARCHITECTS

1140 SAINT GREGORY ST. CINCINNATI, OH 45202  
TEL: 513.631.4300  
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HEAD DETAIL @ DOOR #2  
3"=1'-0"



TYPICAL WALL & BULKHEAD BRACING @ PURLIN  
3"=1'-0"

DOOR SCHEDULE table with columns: CODE, SIZE, MATERIAL, TYPE, FRAME, HARDWARE, CLOSER, NOTES

DOOR SCHEDULE NOTES:  
1. SEE DOOR & WINDOW SPECIFICATIONS FOR PANIC DEVICE...  
2. AT ALL DOORS THAT REQUIRE A STOP, PROVIDE HAGER 237W 630 FINISH CONCAVE WALL TYPE...  
3. UPGRADE / REPAIR EXISTING HARDWARE TO HARDWARE SPECIFICATION SHOWN.  
4. USE BALL BEARING HINGES.  
5. PROVIDE CHAIN GUARD SET @ 120 DEG.

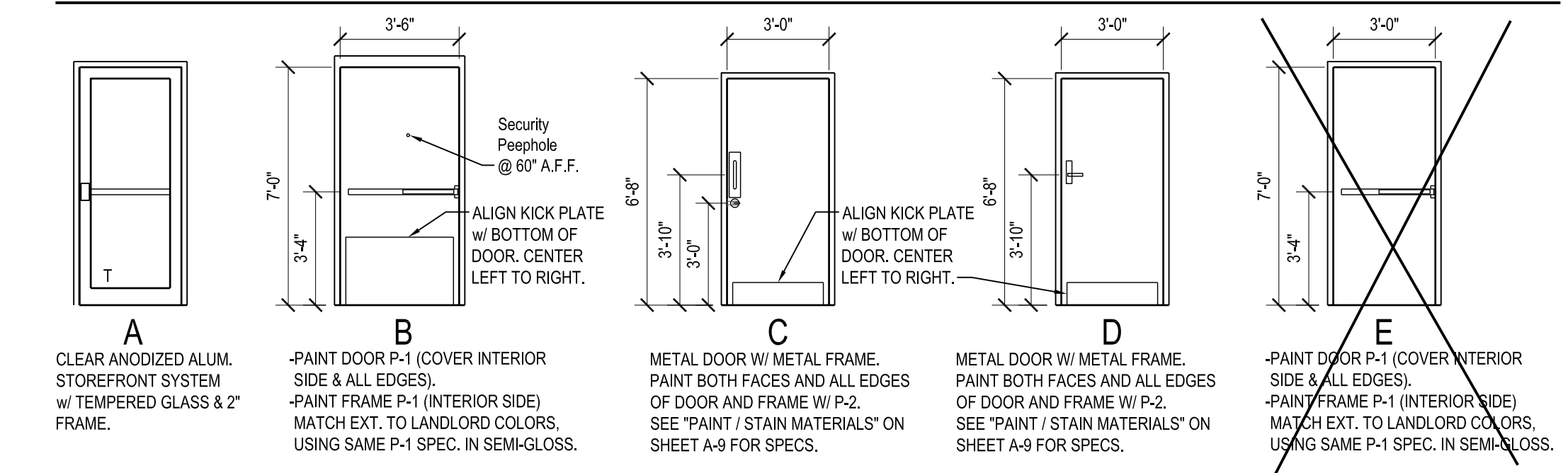
FLOOR PLAN NOTES

- 1. ALL METAL STUD FRAMING IS 20 GAUGE @ 16" O.C. UNLESS NOTED OTHERWISE.  
2. RESTORE or PROVIDE NEW INSULATION MATERIALS IN EXTERIOR & DEMISING WALL(S) AFTER INSTALLING PENN STATION UTILITIES.  
3. PROVIDE BLOCKING IN ALL PARTITIONS WHERE REQUIRED FOR SUPPORT OF EQUIPMENT, FIXTURES, ETC. REFER TO BLOCKING SCHEDULE ON SHEET K1.0. ALL DIMENSIONS ARE STUD DIMENSIONS UNLESS NOTED OTHERWISE (I.E. FIN. = FINISHED DIMENSION).  
4. REFER TO SHEET A7.0 FOR RESTROOM ELEVATIONS.  
5. REFER TO SHEET P1.0 FOR FLOOR PENETRATIONS.  
6. REFER TO SHEETS A6.0 & E2.0 FOR SOFFIT INFORMATION.  
7. PROVIDE 2' x 2' FRP OUTSIDE CORNER GUARD AT ALL FRP OUTSIDE CORNER CONDITIONS UNLESS NOTED OTHERWISE. SEE SPEC. A-4 ON SHEET A.9. RETURN FINISHES TO ALL WINDOW & DOOR FRAMES.  
8. ALL WALLS RECEIVING FRP & S.S. ARE TO HAVE 16" OF CEMENT BOARD AT THE BASE IN LIEU OF GYPSUM BOARD. REFER TO A6.0.  
9. ALL DOOR HARDWARE SHALL COMPLY WITH 2017 ANSI A117.1

FLOOR PLAN KEYED NOTES

- 1. HEADER = 7'-4" A.F.F. WRAP JAMB AND HEADER W/ FRP-1, STAINLESS STEEL CORNERS-CASHIER'S SIDE, FRP CORNERS- PREP SIDE. NOTES 3 & 7 ON SHEET A9.0  
2. PROVIDE 16" OF CEMENT BOARD AT BOTTOM OF WALL BEHIND AND ON SIDE OF BEVERAGE TABLE. SEE DETAIL 3/A6.0 & SHEET A9.0.  
3. REFER TO 14/A10.0 FOR SPECIAL WALL TREATMENT BEHIND COOK LINE.  
4. BULKHEAD ABV. PREFABRICATED SERVING COUNTER. REFER TO SECTION 7/A6.0.  
5. THIS DIMENSION IS FROM FINISHED FACE OF GYPSUM BOARD TO EDGE OF METAL STUD.  
6. 3/8" METAL STUD SOFFIT. REFER TO DETAIL 14/A6.0.  
7. CORED FLOOR PENETRATION REQUIRED FOR SEATING COUNTER POSTS. 4" DIA MAX CORE. DO NOT CORE FOR POSTS UNTIL THE TILE IS INSTALLED. SEE P1.0.  
8. PROVIDE 1/2" CEMENT BOARD - 2" ABOVE CEILING - ON PLUMBING WALL IN PREP AREA.  
9. SEE DINING RAIL DETAILS 13 & 13B/A6.0. SEE P1.0 FOR CORED FLOOR PENETRATION. DO NOT CORE FOR POSTS UNTIL THE TILE IS INSTALLED.  
10. 3/8" METAL BULKHEAD @ BEV. STATION. REFER TO DETAIL 8/A6.0, 5/A7.0 & SHEET E2.0.  
11. BLACKED OUT UPPER WINDOW. SPANDREL PANEL PREFERRED. SEE SHEET A12.0.  
12. 14 GAUGE STUDS IN WALLS SUPPORTING HVAC PLATFORMS. SEE A4.1, M1.0, M2.0

DOOR TYPES



DOOR AND WINDOW SPECIFICATIONS

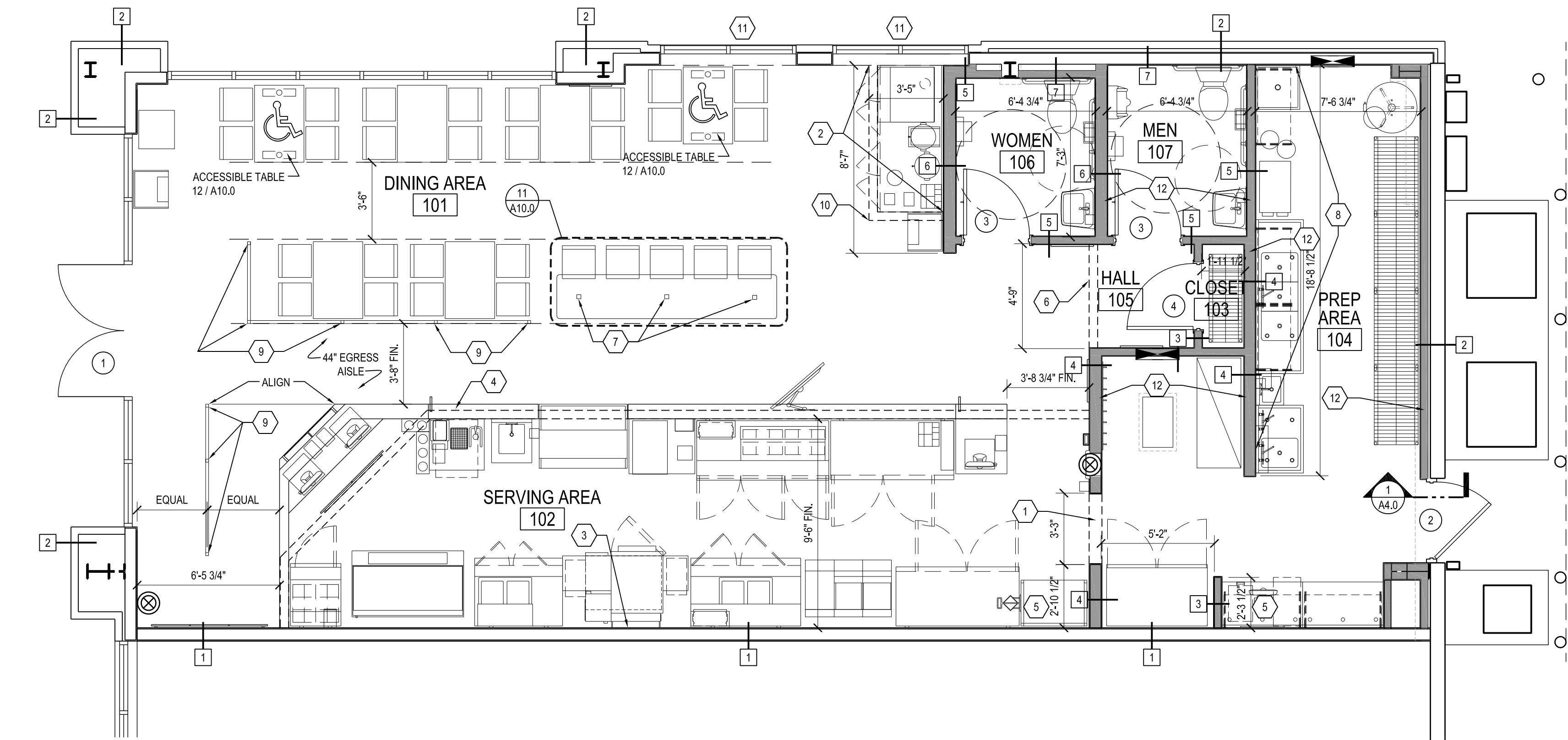
ALL EXTERIOR GLAZING IS EXISTING. FOR PURPOSES OF COMPARISON, ALL STOREFRONT IS SIMILAR TO THE FOLLOWING: "ALL ALUMINUM STOREFRONT SHALL BE CLEAR ANODIZED AND ALL GLAZING FOR DOORS & WINDOWS SHALL BE 1" INSULATED PANELS (EXCEPTION WOULD BE IN ORDER TO MATCH EXISTING STOREFRONT SYSTEM). ALL FRAMES SHALL BE EQUAL TO KAWNEER TRIFAB 451-T (EXTRUDED SUB-SILL INCLUDED) USE SERIES 190 NARROW-STYLE DOOR OR EQUAL WITH INTER-MEDIATE OFFSET PIVOTS. SURFACE CLOSERS SHALL BE EQUAL TO LCN #1074. HARDWARE SHALL BE EQUAL TO 2" STILE PUSH/PULL WITH TURN-NIGHT BOLT. PANIC DEVICES (WHERE REQUIRED) SHALL BE EQUAL TO DOR-G-MATIC 1990 CONCEALED ROD EXIT DEVICE WITH G-2 PULL."

DOOR CLOSER

MODEL - 8501-690 BY NORTON COLOR - STAT  
NOTE: CLOSERS MUST BE ORDERED HAND SPECIFIC. REFER TO FLOOR PLAN

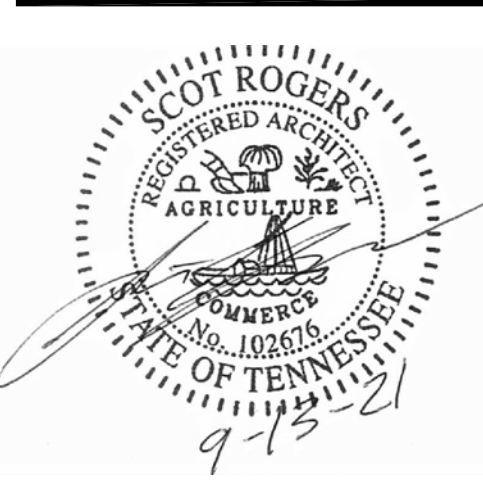
WALL TYPES table with columns: CODE, TITLE, FRAMING, MATERIAL - SEE "FLOOR PLAN NOTES" THIS SHEET, NOTES

- WALL TYPE NOTES:  
1. 1-HR RATED WALL TO ROOF DECK PER UL U419  
2. GYPSUM BOARD. 3" ABOVE CEILING.  
3. ANY CEMENT BOARD INSTALLED IN A FIRE-RATED ASSEMBLY MUST BE "DUROCK NEXT GEN" TO CONFORM WITH UL REQUIREMENTS FOR 1 OR 2 HOUR RATED WALLS.  
4. EXISTING WALL. REPAIR ANY DISTURBED INSULATION OR GYPBD AS REQUIRED.



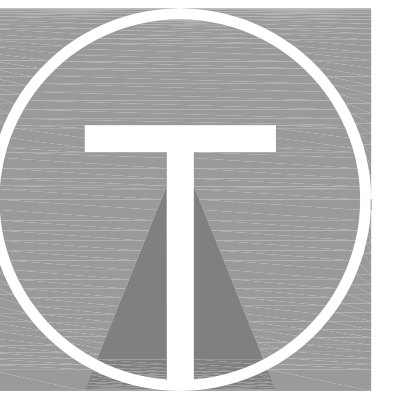
FLOOR PLAN  
1/4"=1'-0"

A New Penn Station Restaurant  
Creekside Center  
346 South Cumberland St.  
Lebanon, TN 37087



Revision table with columns: No., Revision, Date, By, Appr.





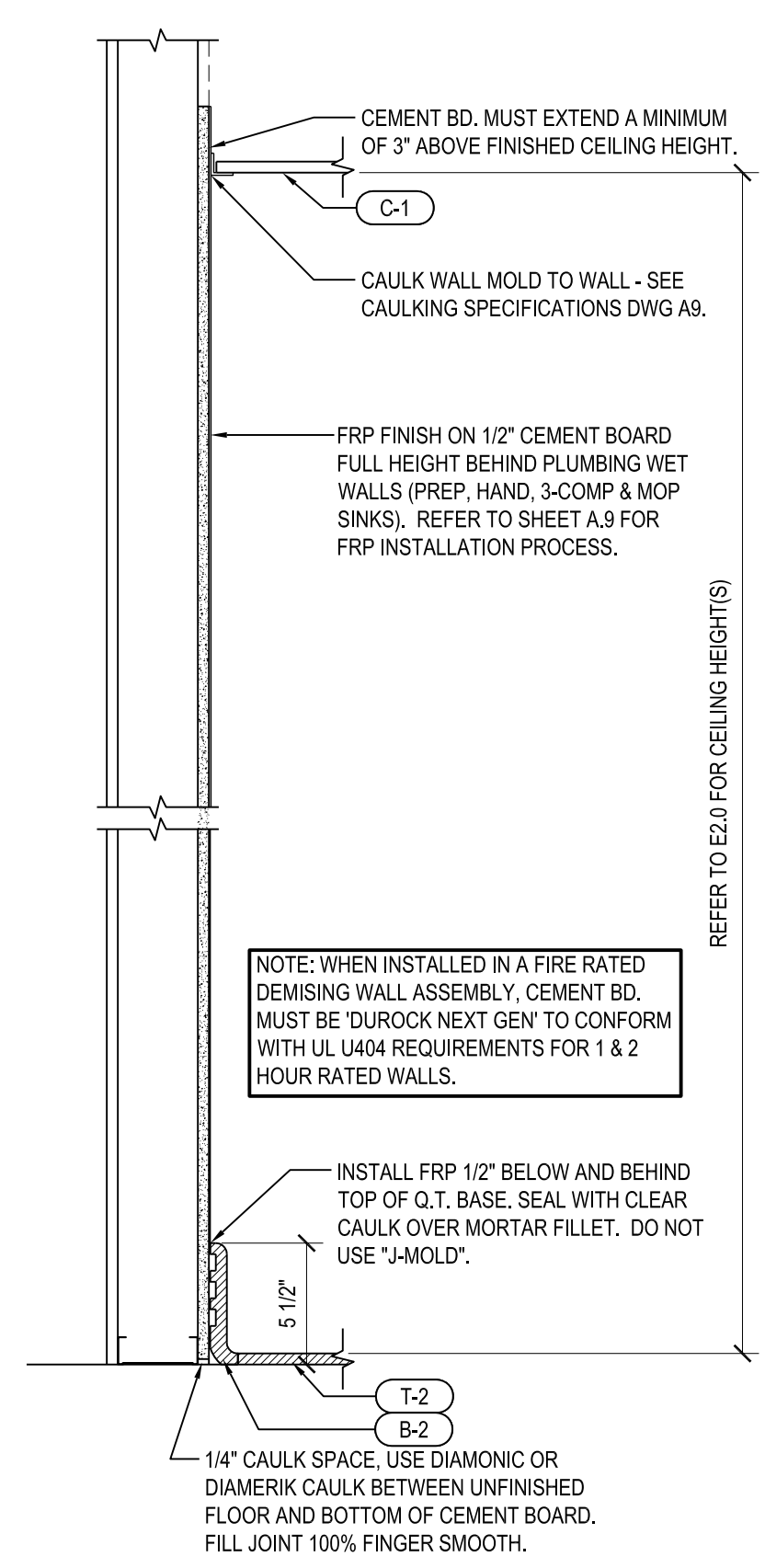
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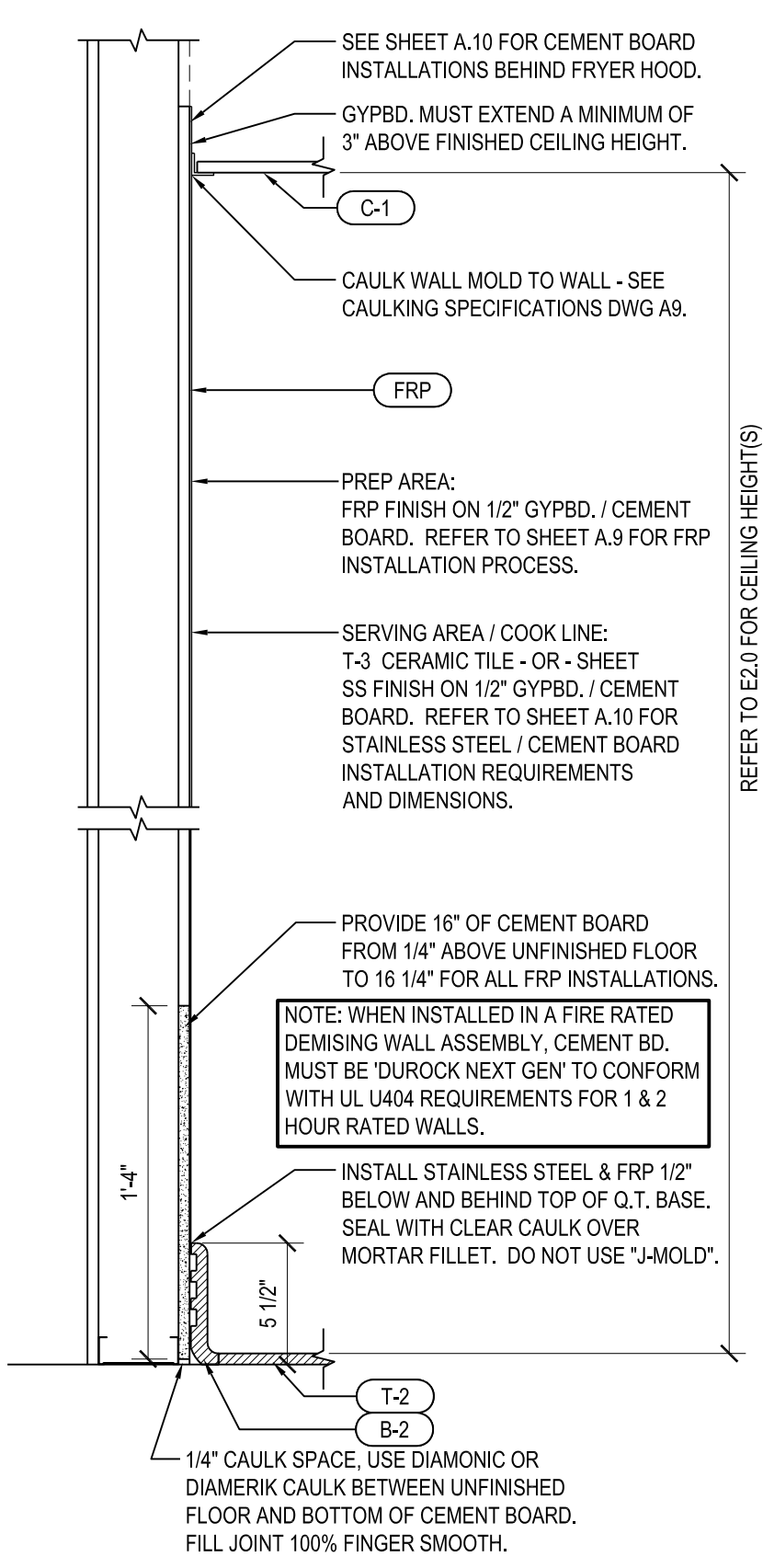
A New Penn Station Restaurant  
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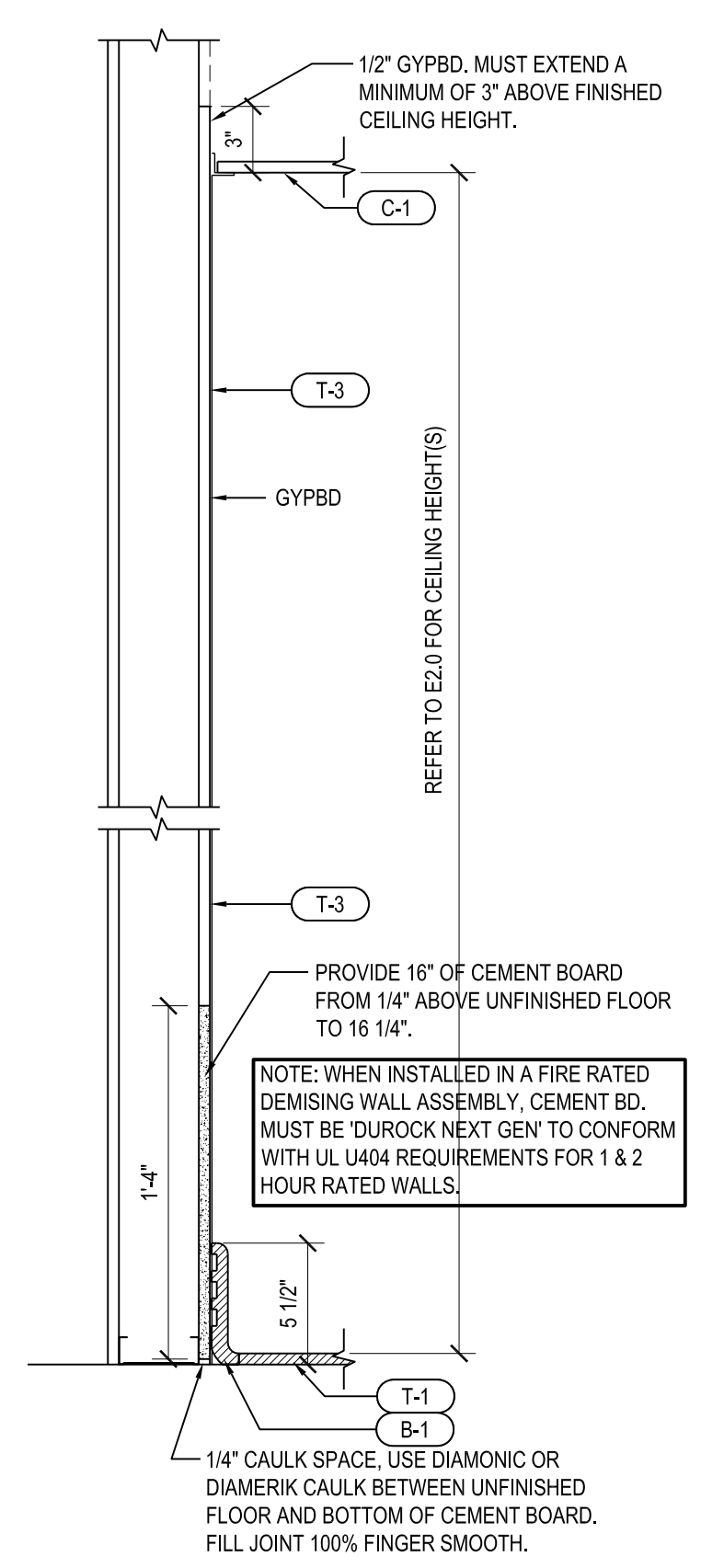
No. Revision  
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Sections & Details  
Issued 9-13-2021  
Scale As Noted  
S. Rogers  
PS Lebanon, TN  
21031



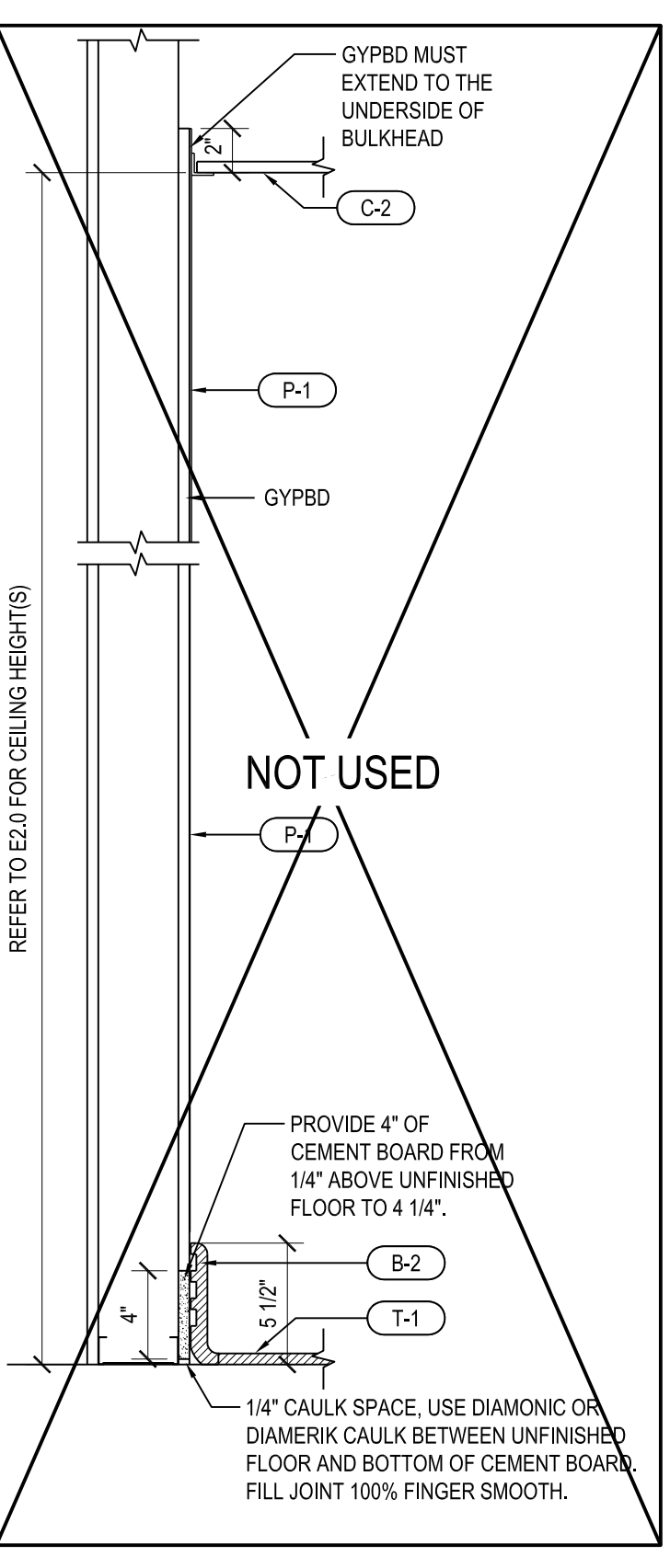
PREP AREA PLBG. WALLS  
1 1/2"=1'-0"



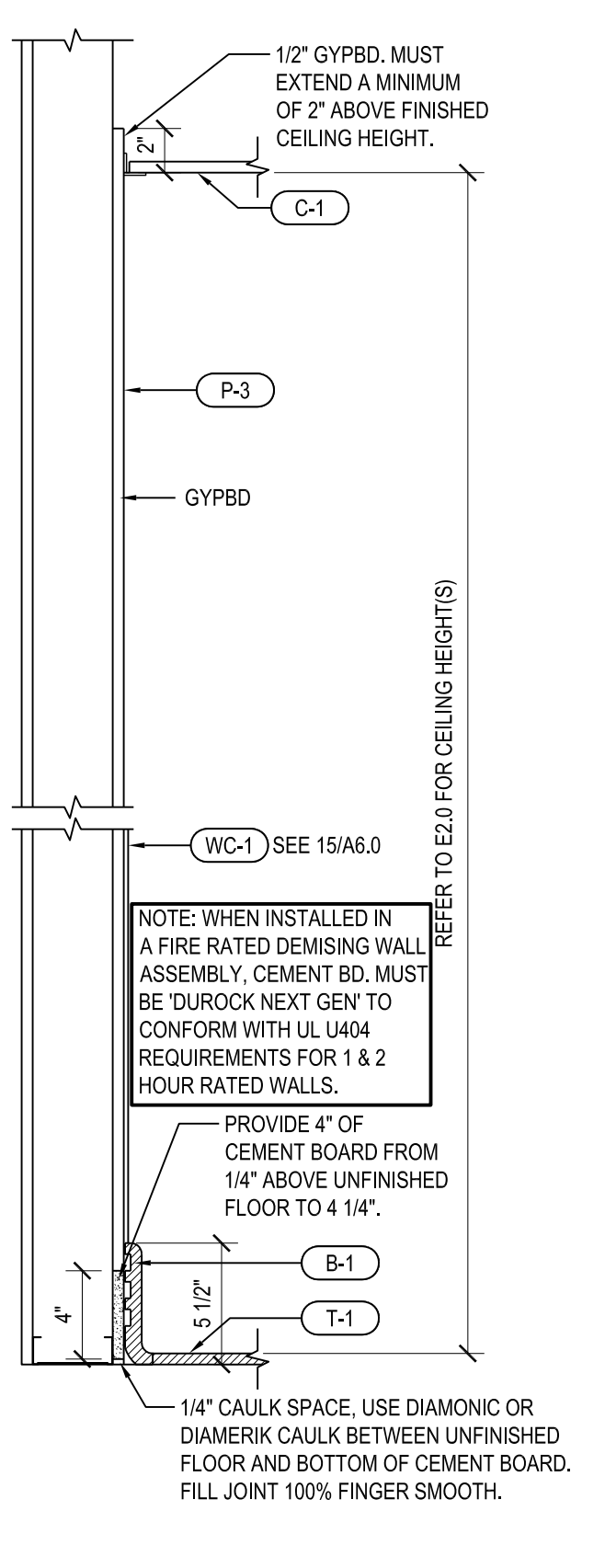
SS & FRP WALLS  
1 1/2"=1'-0"



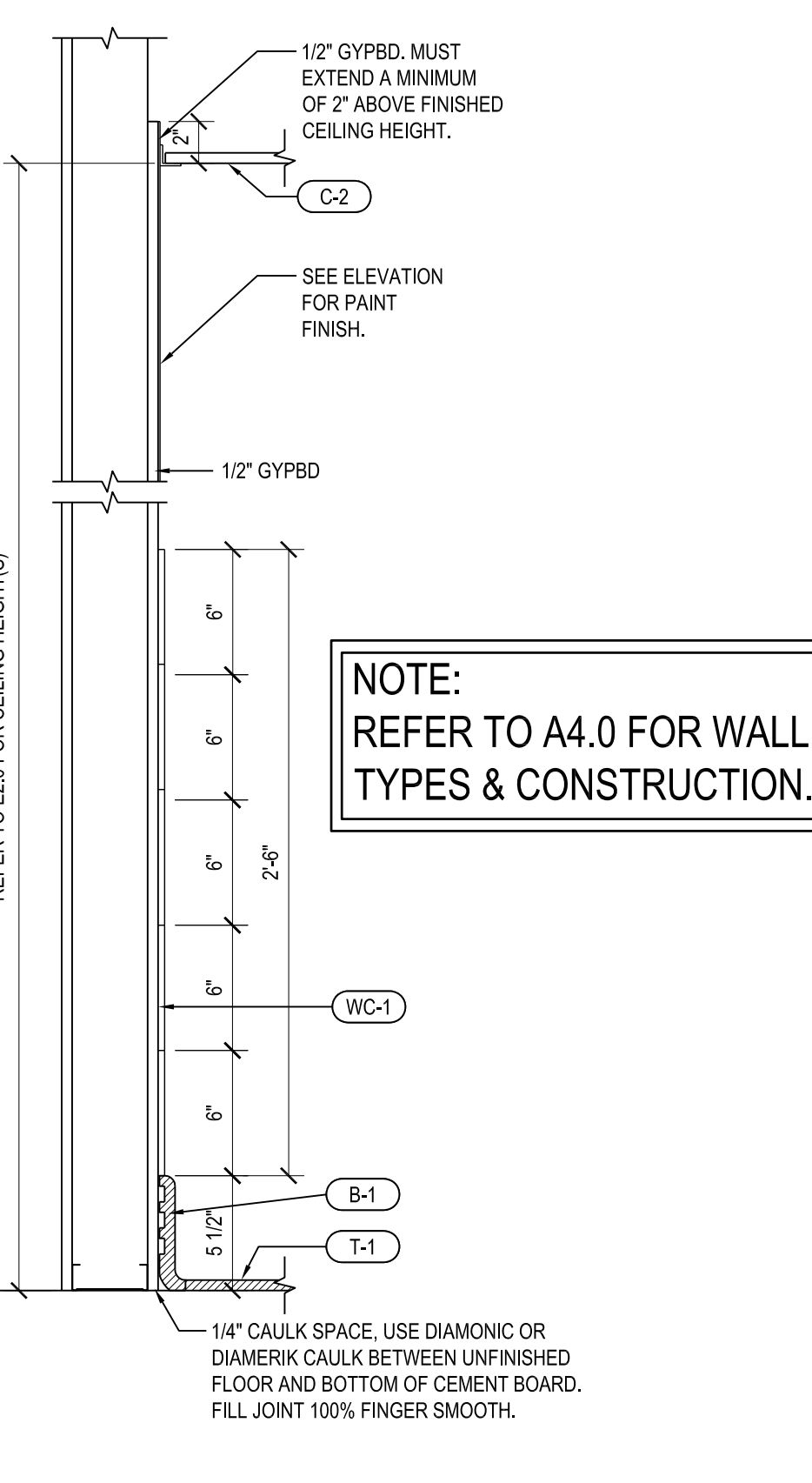
BEVERAGE TABLE WALL  
1 1/2"=1'-0"



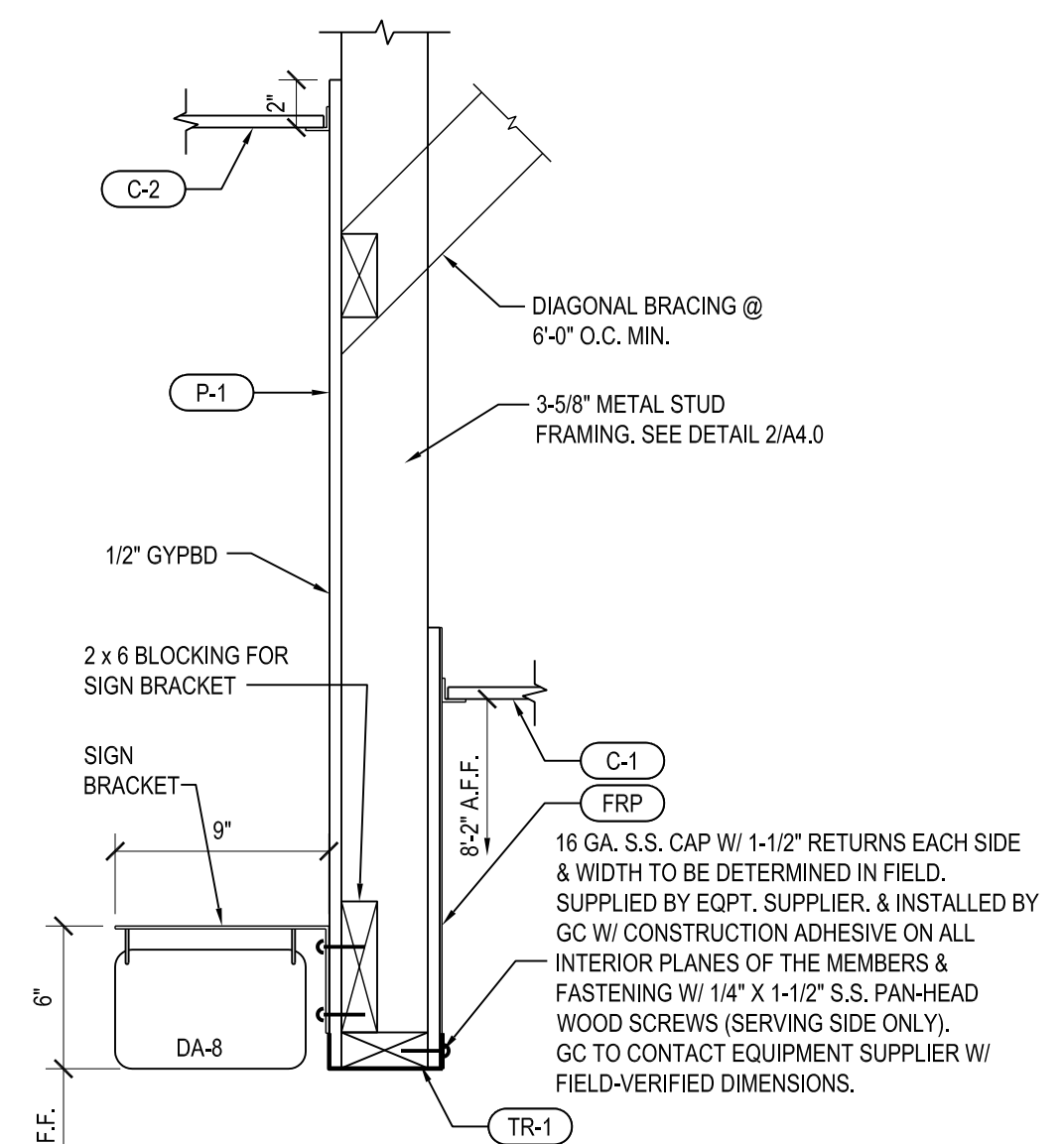
CASHIER  
1 1/2"=1'-0"



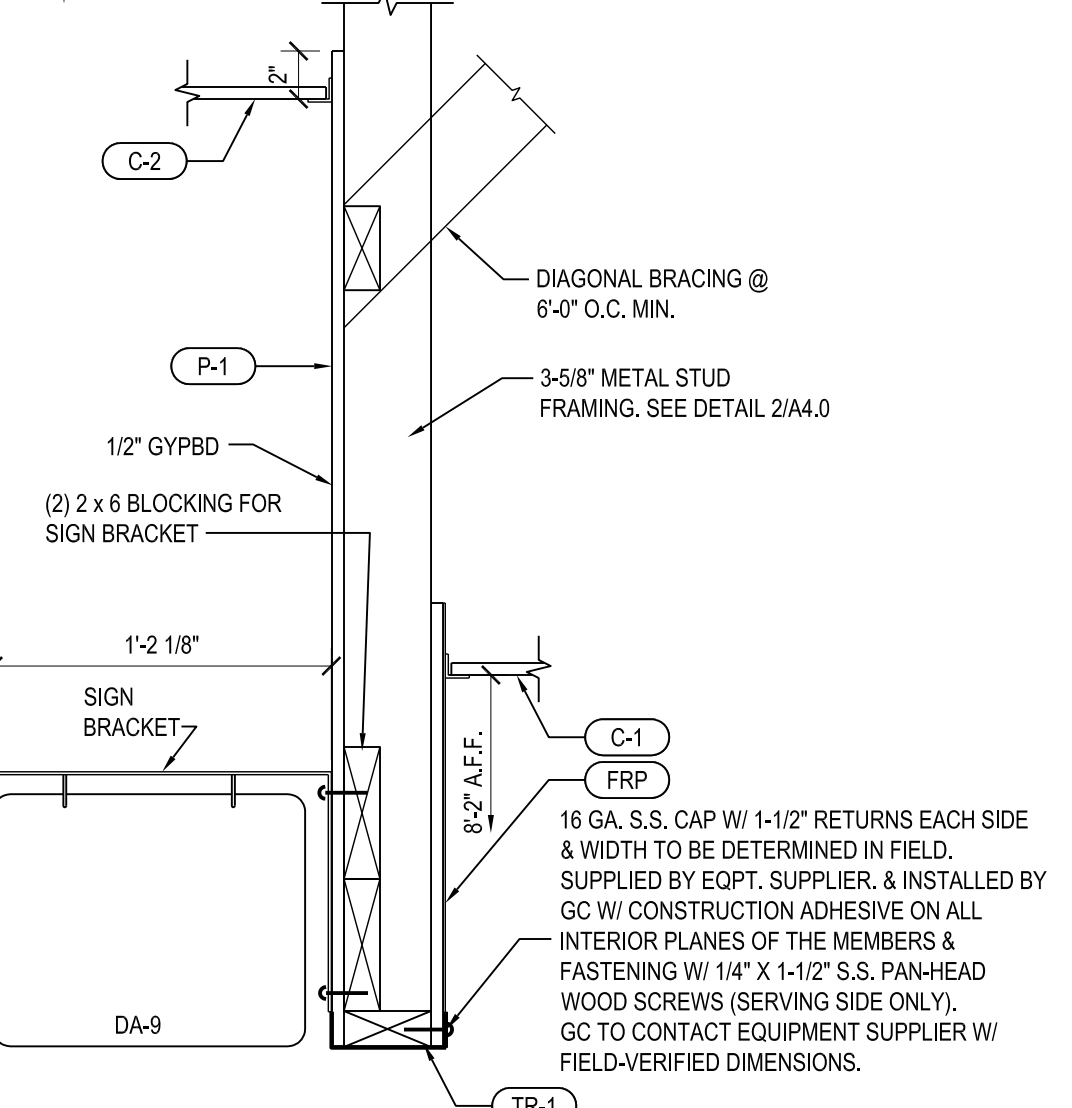
RESTROOM WALL  
1 1/2"=1'-0"



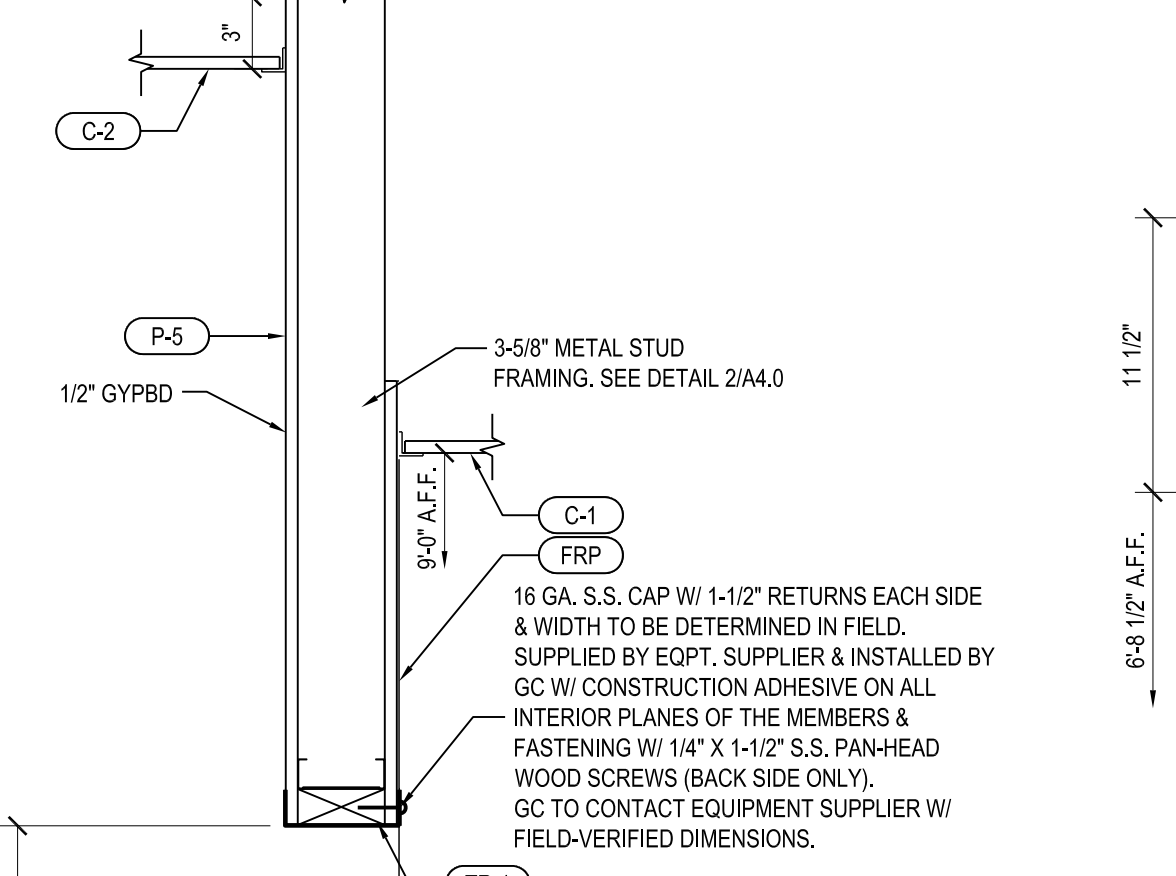
DINING WALL  
1 1/2"=1'-0"



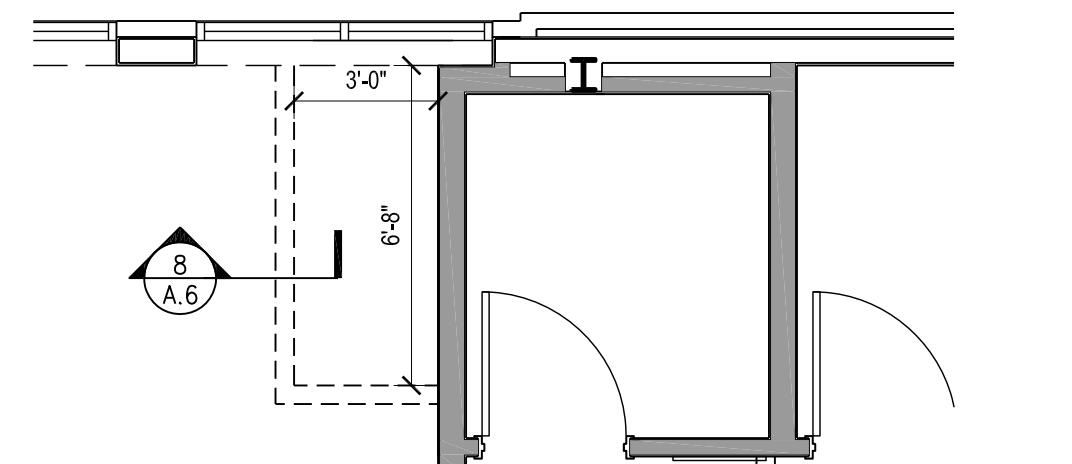
SECTION @ SERVING BULKHEAD  
1 1/2"=1'-0"



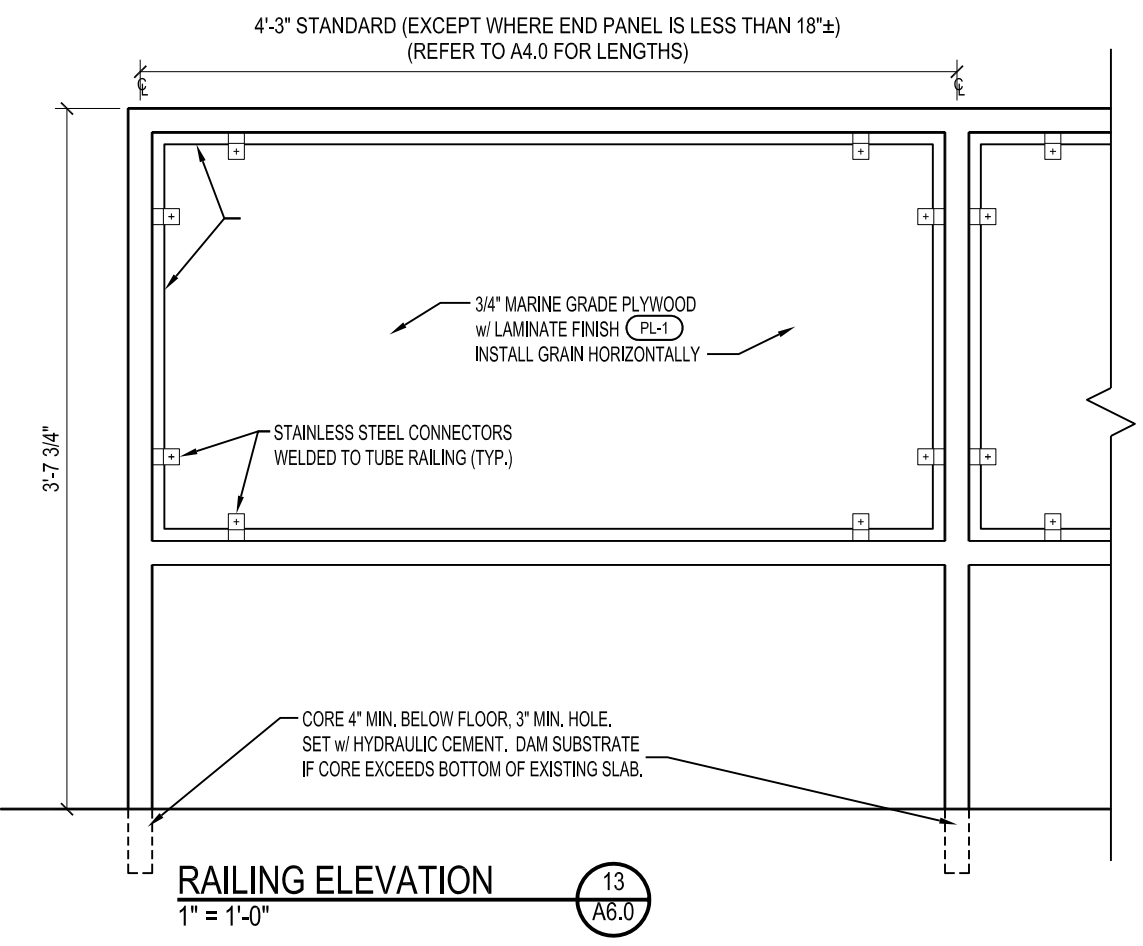
SECTION @ SERVING BULKHEAD  
1 1/2"=1'-0"



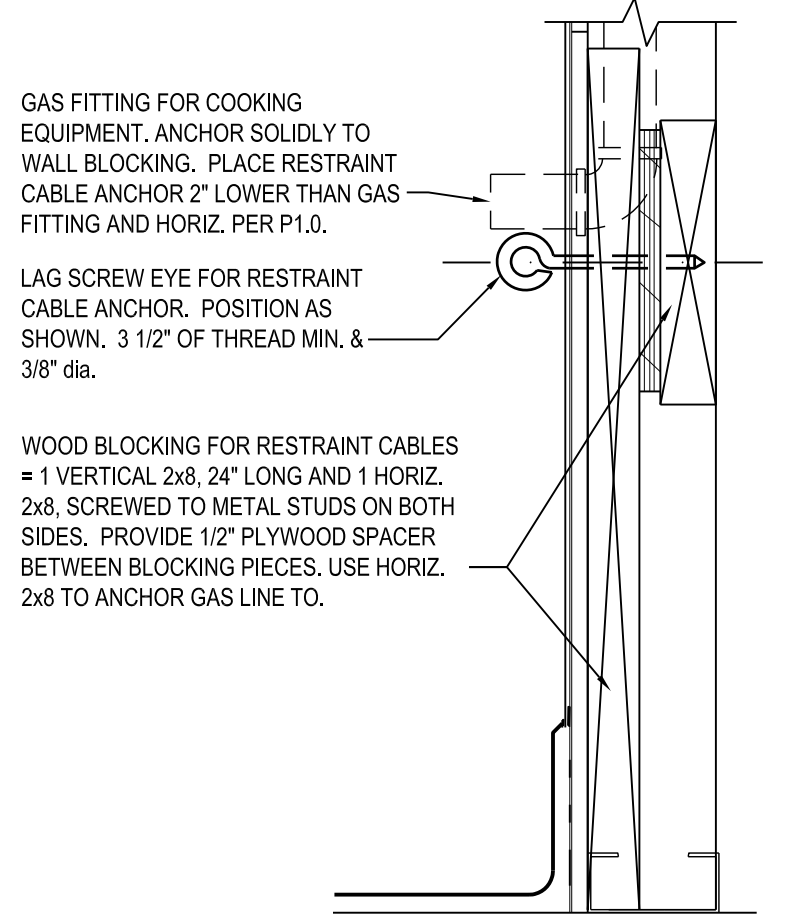
SECTION @ SODA COUNTER  
1 1/2"=1'-0"



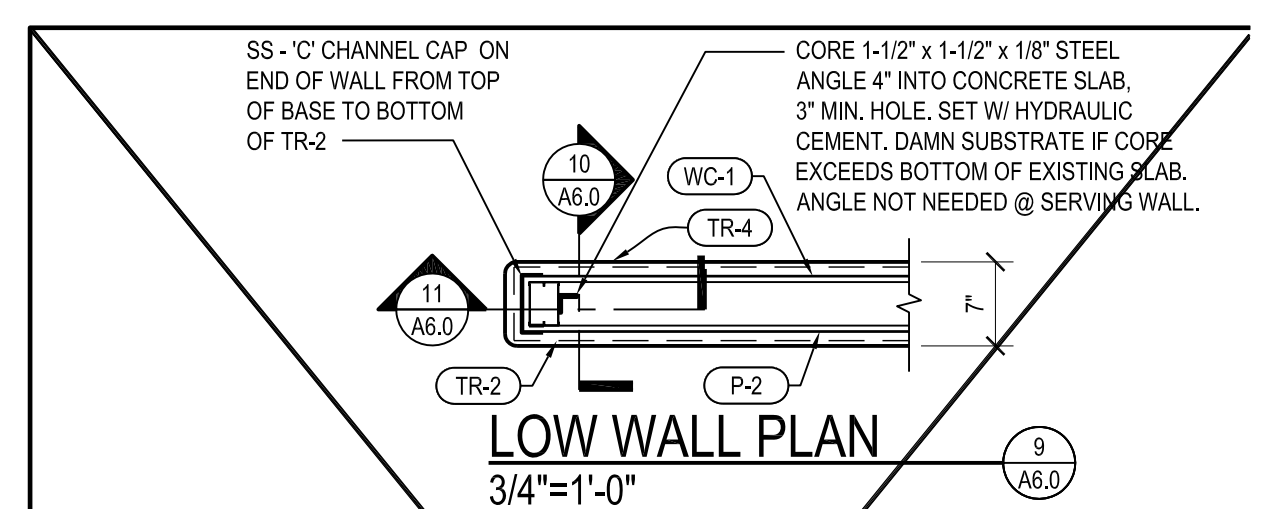
SECTION @ SODA COUNTER  
1 1/2"=1'-0"



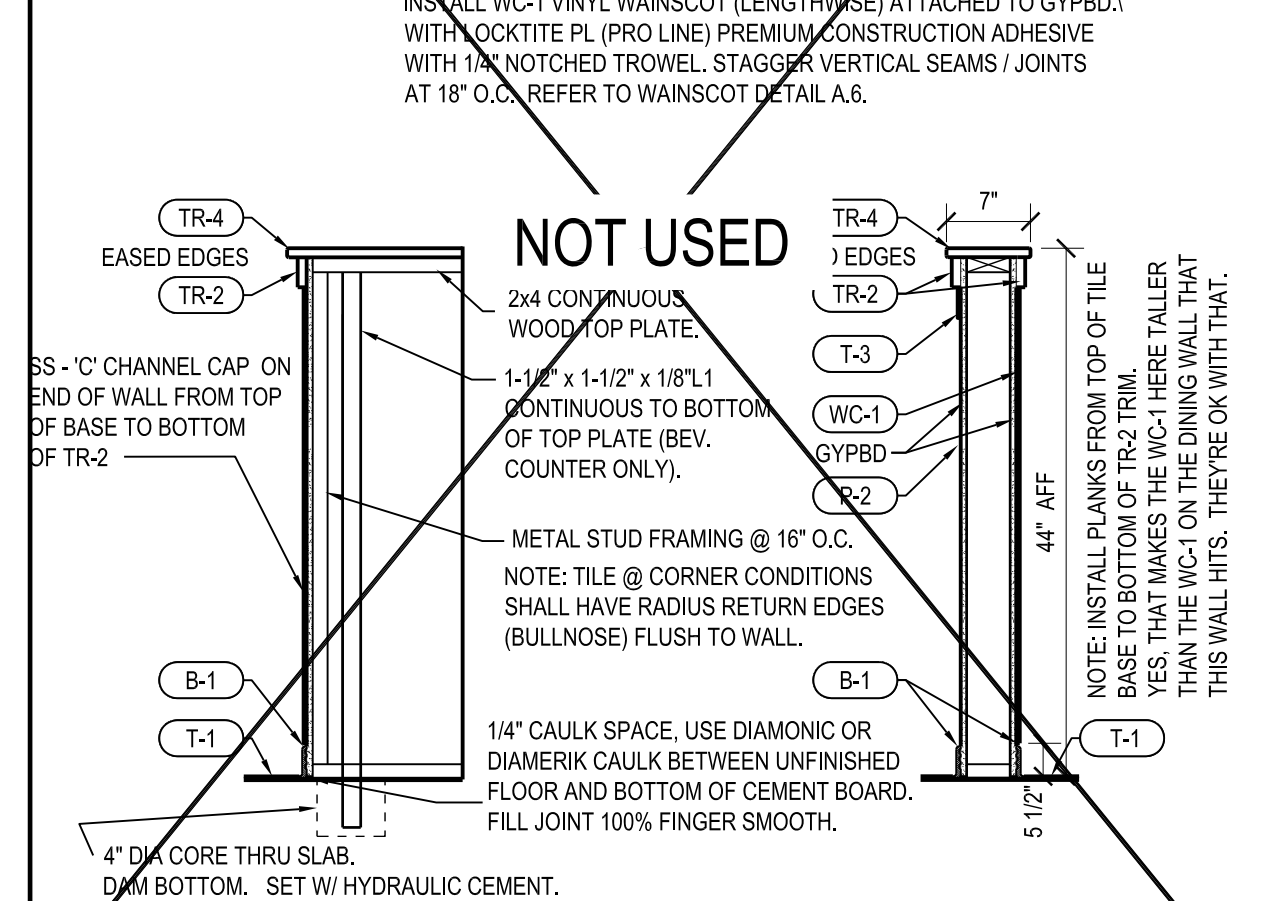
RAILINGS ELEVATION  
1"=1'-0"



CABLE RESTRAINT DETAIL  
3"=1'-0" Oven, Griddle, Fryer

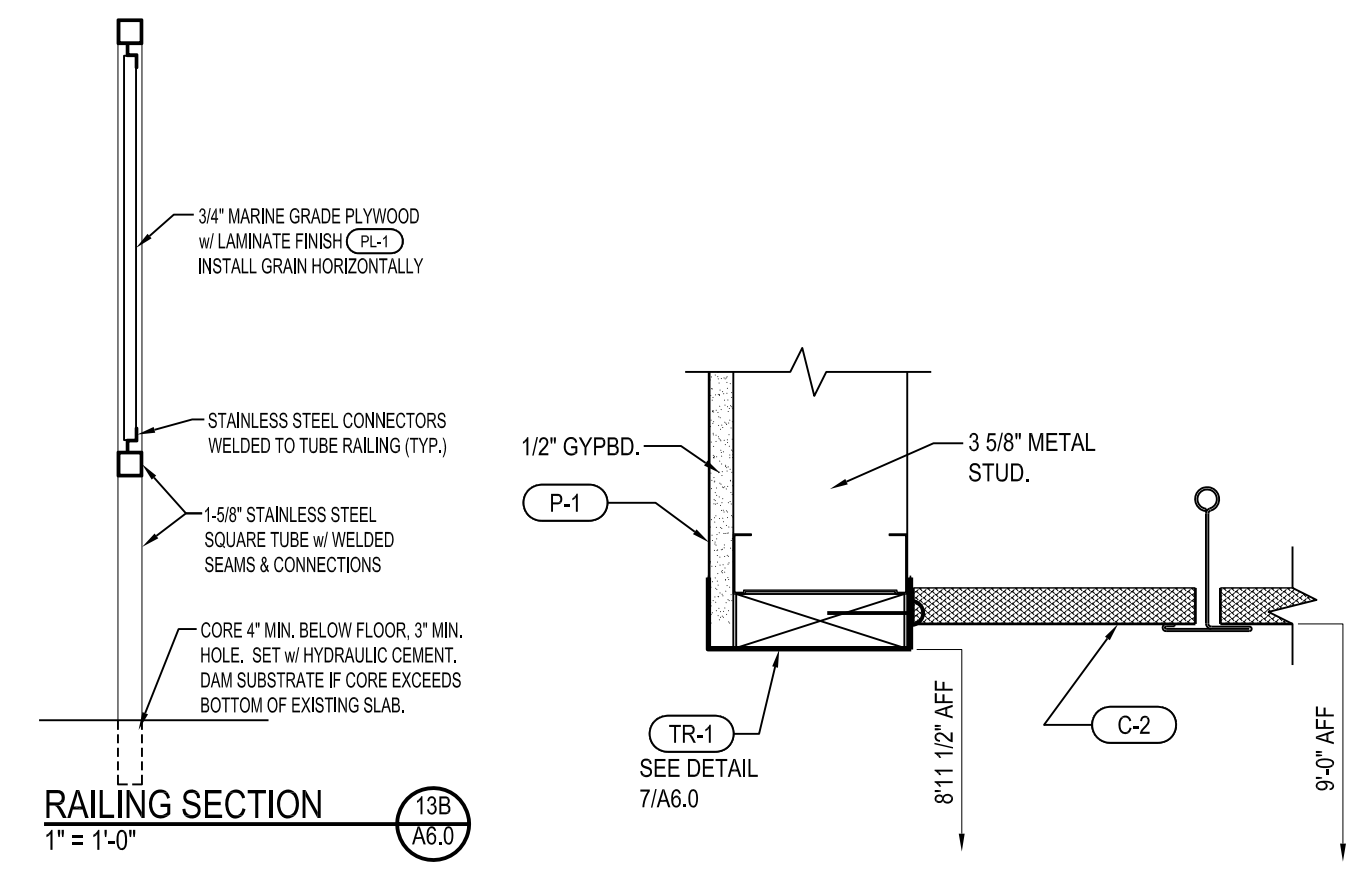


LOW WALL PLAN  
3/4"=1'-0"

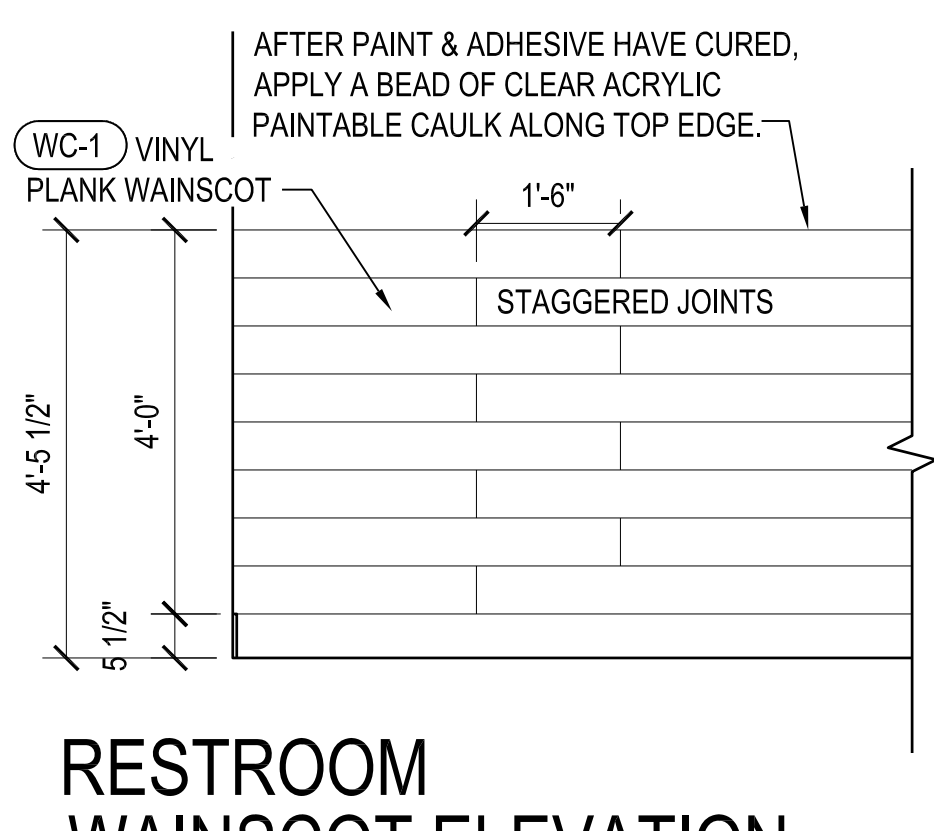


SECTION  
3/4"=1'-0"

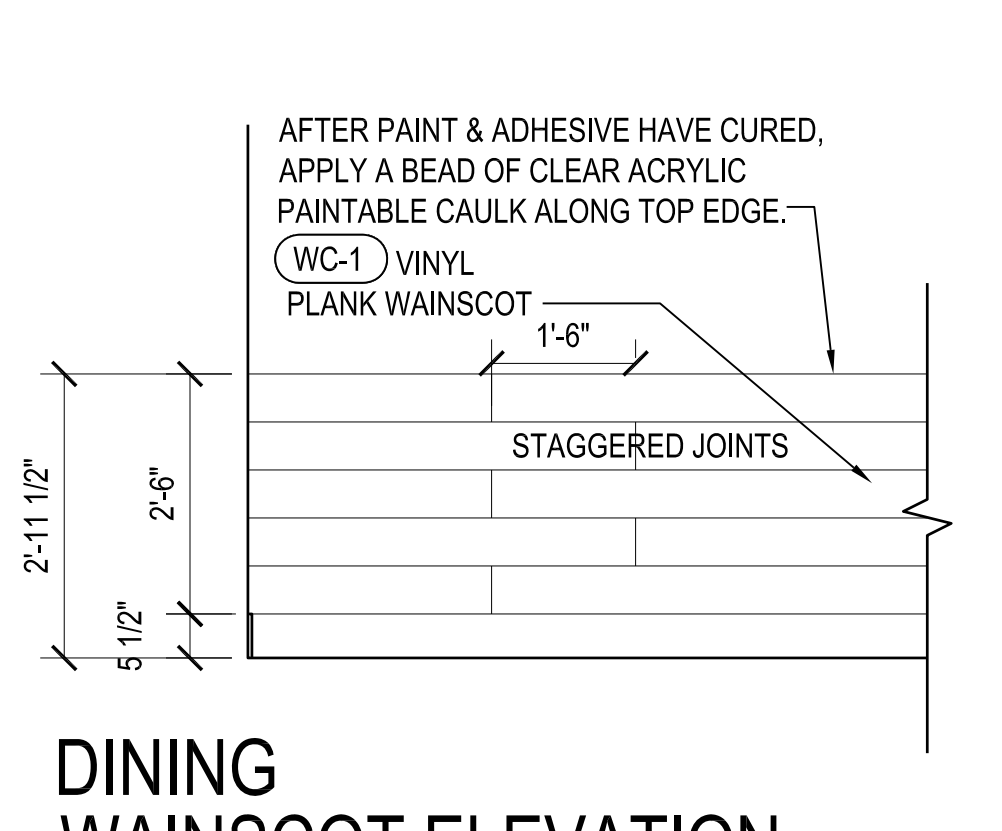
SECTION  
3/4"=1'-0"



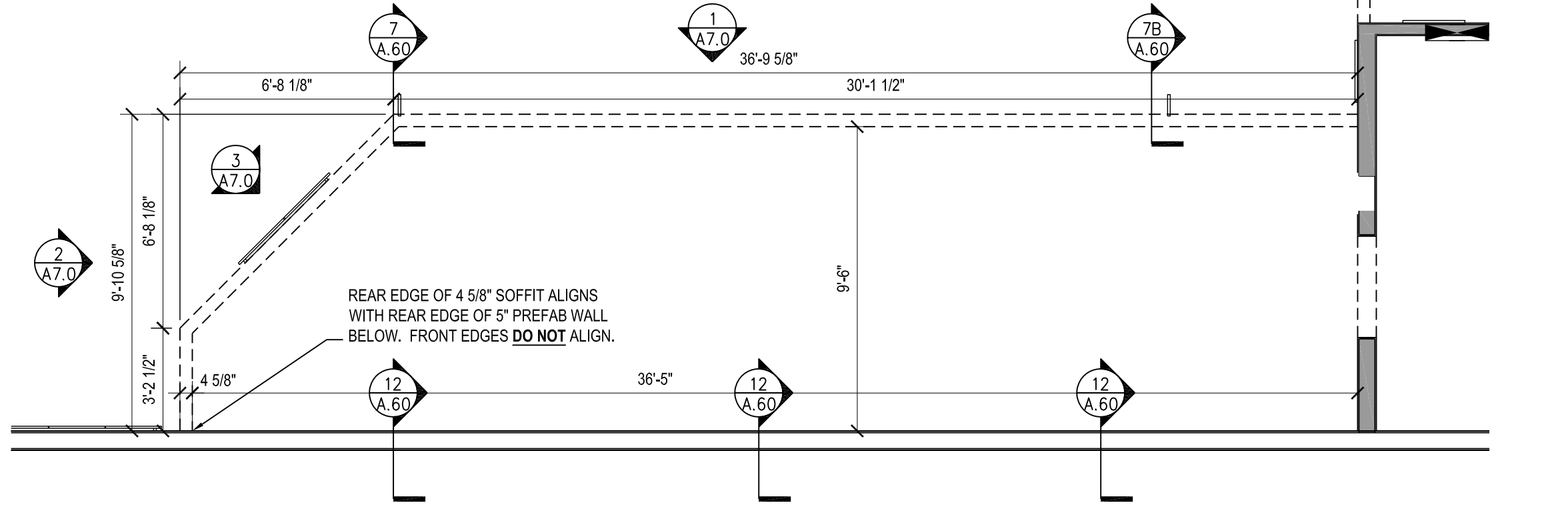
SECTION @ DINING BULKHEAD  
3"=1'-0"



RESTROOM WAINSCOT ELEVATION  
1/2"=1'-0"



DINING WAINSCOT ELEVATION  
1/2"=1'-0"



SERVING BULKHEAD FRAMING PLAN  
1/4"=1'-0"



CODE	DESCRIPTION	SIZE	TYPE	MANUFACTURER	COLOR	GROUT	DYNAMIC COEFFICIENT OF FRICTION	REMARKS
T-1	PUBLIC TILE	12" x 24"	PORCELAIN	FLORIDA TILE	P.S. GRAY	TEC. ACCUCOLOR: #929 CHARCOAL	ANSI A137.1 = 0.42	1 OFFSET TILE PATTERN
T-2	KITCHEN TILE	8" x 8" ABRASIVE	QUARRY TILE	METROPOLITAN	DARK GRAY	TEC. ACCUCOLOR: #929 CHARCOAL	ANSI A137.1 - 2012 BOT 3000 = 0.75	-
B-1	TILE BASE	8" H.	QUARRY TILE	FLORIDA TILE	RAVEN	TEC. ACCUCOLOR: #929 CHARCOAL	-	-
B-2	TILE BASE	8" H.	QUARRY TILE	METROPOLITAN	DARK GRAY	TEC. ACCUCOLOR: #929 CHARCOAL	-	-

THINSET: USE SUMMITVILLE LATEX ADHESIVE ADDITIVE - S710 LATEX MODIFIED GROUT. 18" GROUT JOINTS @ DINING. 1/4" GROUT JOINTS @ QUARRY TILE.  
CUSTOM PENN STATION FLOOR TILE PACKAGE INCLUDING TILE BASE & GROUT.  
CONTACT FLORIDA TILE (BRANDY ROBERTS) @ (859) 282-5400. (EMILY FISCHER) @ (513) 824-1791 OR PENN STATION (KIRK DURCHHOLZ) (513) 474-5957

### NOTE: ALL TILE NEEDS TO BE ORDERED THREE WEEKS IN ADVANCE

CODE	DESCRIPTION	MANUFACTURER	MODEL / SIZE	COLOR	REMARKS
WC-1	VINYL PLANK FLOORING WAINSCOT	ALLURE TRAFFIC MASTER GRIP STRIP	8" x 36" SHOWN THIS DRAWING	CHERRY 12012, SKUH 107-971	REFER TO DETAILS / ELEV. ON A.6 - CUT ADHESIVE STRIP OFF LONG SIDE OF 6" PLANK PRIOR TO APPLICATION. USE 'TITEBOND' (FAST GRAB) FRP ADHESIVE WITH 1/4" NOTCHED TROWEL. STAGGER VERTICAL SEAMS / JOINTS @ 24" O.C.
FRP	WALL PANEL	MARLITE	FRP PANELS	P-100 WHITE	CLASS A FIRE RATING ASTM E-84 WITHIN 18" OF HOODS
S.S.	WALL PANEL	-	STAINLESS STEEL SHEETS	STAINLESS STEEL	REFER TO THIS SHEET & CAPTIVEAIRE SHOP DRAWINGS FOR LOCATIONS - S.S. PANELS INCLUDED WITH HOOD PACKAGE PURCHASED AND SUPPLIED BY OWNER. CONTACT AIR SOLUTIONS: JOE HERTENSTEIN (513-860-5555) WITH QUESTIONS. RUNNING BOND PATTERN @ BEV. STATION REAR & SIDE WALLS
T-3	WALL TILE	-	3 X 6 GLAZED CERAMIC TILE	GLOSS WHITE	-

FRP NOTE:  
CONTRACTOR MUST SUBMIT ASTM-E DOCUMENTS. MUST USE SOLVENT-BASED ADHESIVE ON FIRE-RATED MATERIAL. YOU MAY USE LATEX-BASED ADHESIVE AS AN ALTERNATE ONLY ON DRYWALL SURFACES. NOTE: LOCITITE HAS SEVERAL LOW V.O.C. PRODUCTS

CODE	DESCRIPTION	MANUFACTURER	MODEL / SIZE	COLOR	REMARKS
C-1	CEILING PANEL	CERTAINTEED	1VINYLROCK X 1140-CRF-1/24" x 48"	WHITE	USDA ACCEPTED FOR USE IN FOOD PROCESSING AREAS.
C-2	CEILING TILE	CERTAINTEED	SHM-154, 24" x 24" x 5/8"	WHITE	IN DINING & HALL AREAS WHERE INDICATED ON E2.0. STYLE: SAND MICRO

NOTE:  
CEILING GRID IN AREAS C-1 & C-2 SHALL BE SPECIFIED & INSTALLED AS:  
MFR: ROCKFON, SYSTEM STYLE: CHICAGO METALLIC 200 SNAP GRID, 15/16" EXPOSED, INTERMEDIATE DUTY (ID), COLOR: WHITE-1  
ORDER C-2 GRID & PANEL SYSTEMS EARLY, LONG LEAD TIMES POSSIBLE. FOR PRODUCT INFORMATION & AVAILABILITY CALL MIKE KLEINE OR DAVE HILL @ (513) 761-3410

CODE	DESCRIPTION	MANUFACTURER	FINISH	COLOR	REMARKS
PL-1	LAMINATE	WILSONART	MATTE	WINDSOR MAHOGANY #7039-60	LOCATED AT TABLE TOPS & WASTE RECEPTACLES
PL-2	LAMINATE	FORMICA	MATTE	WHITE #949-58	LOCATED AT OFFICE COUNTER
PL-3	LAMINATE	FORMICA	SPARKLE FINISH	BLACK #909-42	LOCATED AT PRE-FAB SERVING WALL

CODE	DESCRIPTION	MANUFACTURER	MODEL / SIZE	COLOR	REMARKS
A-1	ZIP STRIP or TEAR-OFF BEAD	CO-TRIM TECH.	-	-	USE ON ALL RETURNS TO WINDOW OR DOOR FRAMES.
A-2	INSIDE CORNER GUARD	MARLITE	#M-350 FP / 3/4"	WHITE	APPLIED @ ALL FRP INSIDE CORNER CONDITIONS
A-3	OPEN	-	-	-	-
A-4	OUTSIDE CORNER GUARD	MARLITE	#M-960 FP / 2" x 2"	WHITE	APPLIED @ HIGH ABUSE FRP CORNERS, UNLESS NOTED OTHERWISE.
A-5	CAP EDGING or J-MOLD	MARLITE	#M-370 FP / 1/2" x 5/16"	WHITE	APPLIED WHERE FRP MEETS A DIFFERENT WALL FINISH (EXCEPT B-1)
A-6	DIVISION MOLDING	MARLITE	#M-365 FP / 1"	WHITE	APPLIED @ ALL BUTT JOINT CONDITIONS

CONTACT RUTH SWISSHOUND @ (330) 343-6621 FOR MARLITE ORDERS AND PRODUCT INFORMATION. USE MODEL / SIZE CODE #S & QUANTITIES WHEN ORDERING. ORDER EARLY, POSSIBLE LONG LEAD TIME.

CODE	DESCRIPTION	SIZE (ACTUAL)	COLOR	REMARKS
TR-1	SERVING BULKHEAD TRIM	16 GA. STAINLESS STEEL	S.S.	REFER TO A6.0, A7.0 ALSO USED AT BEV TABLE BULKHEAD, SEE BELOW.
TR-2	TRIM	1 1/2" x 1/2" w/ EASED EDGES	P-4	REFER TO A6.0
TR-3	DINING BULKHEAD TRIM	1" x 9" OAK w/ EASED EDGES	P-4	REFER TO A6.0
TR-4	HALF-WALL GAP	1" x 9" OAK w/ EASED EDGES	P-4	REFER TO A6.0

CONTACT KIRK DURCHHOLZ (513) 474-5957 w/ ANY QUESTIONS. FOR TR-1, CONTACT TIM SENDLEBACH @ C&T FOR ORDER INFORMATION. (513) 919-9240

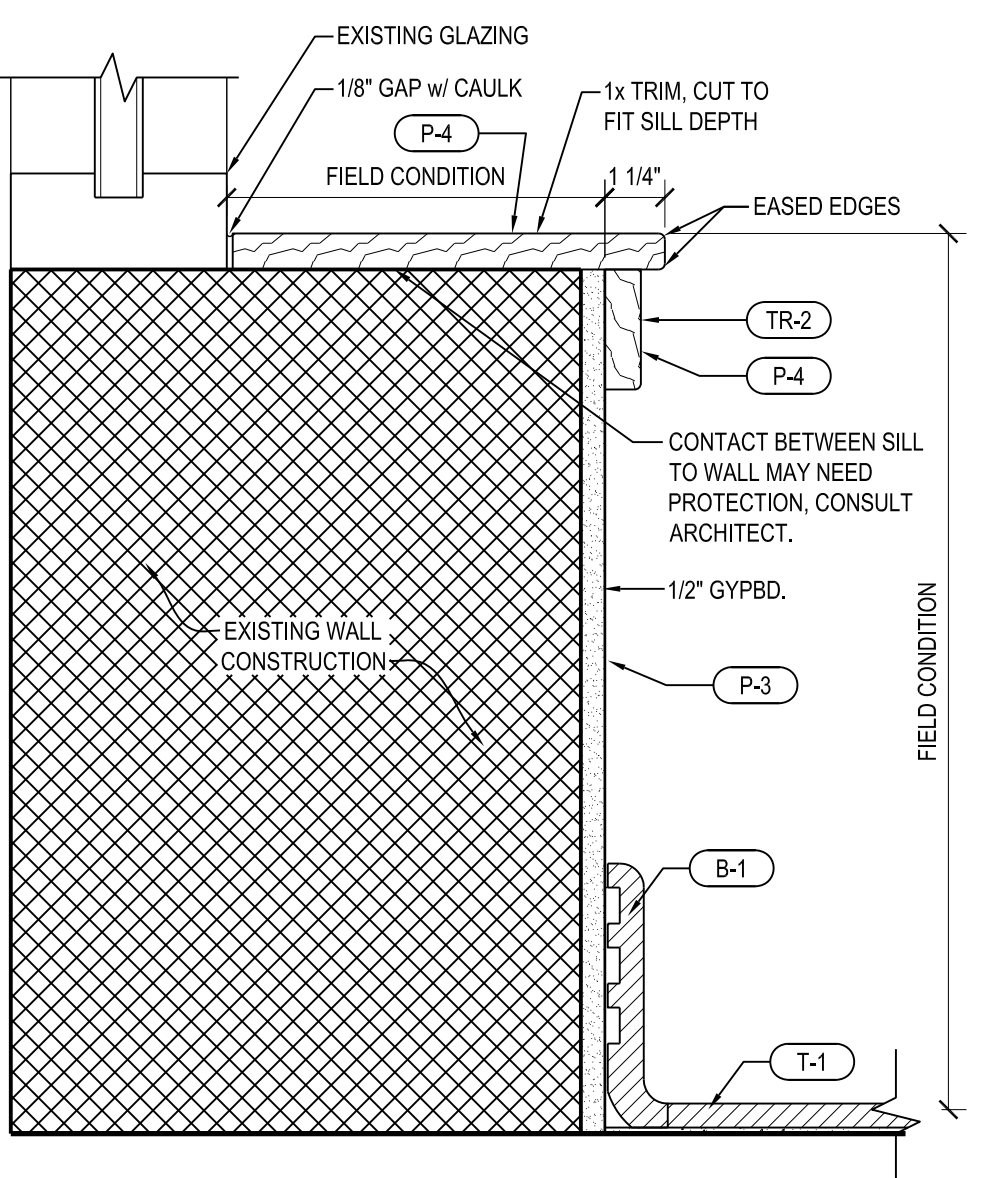
ROOM IDENTIFICATION	ROOM NAME	FLOOR	BASE	WALL	CEILING MATERIAL	CEILING HEIGHT	REMARKS
101	DINING AREA	T-1	B-1	P-1, P-3, P-5 & WC-1	C-2	10'-0"	-
102	SERVING AREA	T-2	B-2	S.S.	C-1	8'-2"	-
103	CLOSET	T-1	B-1	P-3	C-1	8'-0"	-
104	PREPARATION AREA	T-2	B-2	FRP & P-1	C-1	9'-0"	-
105	HALL	T-1	B-1	P-3	C-1	8'-0"	-
106	WOMEN	T-1	B-1	P-3, WC-1	C-1	8'-0"	-
107	MEN	T-1	B-1	P-3, WC-1	C-1	8'-0"	-

### NOTE: RETURN ALL FINISHES TO ALL WINDOW AND DOOR FRAMES.

FINISH PLAN KEYED NOTES
1 GRAY URETHANE CAULK BETWEEN TILE AND THRESHOLD.
2 FLOOR TILE TRANSITIONS LINE.
3 USE FRP 2"x2" CORNERS IN PREP AREA. PROVIDED & INSTALLED G.C. SEE MANUFACTURED ACCESSORY MATERIALS SPEC A-4 ON SHEET A.9.
4 PROVIDE 1'-4" OF CEMENT BOARD AT THE BOTTOM OF THE WALL BEHIND BEVERAGE COUNTER. REFER TO DETAIL 3/A.6.
5 REFER TO A10.0 & CAPTIVEAIRE SHOP DRAWINGS FOR SPECIAL WALL TREATMENT BEHIND COOK LINE.
6 LOCATION OF MOP SINK. REFER TO 2/A10, 3/A10 FOR DETAILS.
7 2" x 2" STAINLESS STEEL CORNER GUARDS FROM TOP OF BASE AROUND ENTIRE PERIMETER OF OPENING TO SERVING AREA. WRAP JAMB WITH FRP. PROVIDED AND INSTALLED G.C.
8 REFER TO SECTION 1/A.6 FOR 1/2" CEMENT BOARD FULL HEIGHT AT PLUMBING WALLS.
9 2" x 2" STAINLESS STEEL CORNER GUARD. (9A) = 16GA SS 'C' CHANNEL @ END OF WALL W/ 2" RETURNS EACH SIDE. SIM TO TR-1.
10 PRE-FAB WALL HAS 2 DROPS TO CONCEAL PLUMBING PIPES / CONDUITS. FILL THESE AREAS WITH TILE SCRAPS / GROUT FOR A FLUSH FINISHED FLOOR. REFER TO P1.0 FOR LOCATIONS. SEE FABRICATOR'S SHOP DRAWINGS. SIS SLEEVES FROM BOTTOM OF WALL TO FLOOR ARE PROVIDED.
11 CORED FLOOR PENETRATIONS - REFER TO P1.0.
12 REFER TO P1.0 FOR CLEAN-OUTS & DRAIN PENETRATIONS.

NOTE: IF MAKING FIELD CUTS TO SIS/ CORNER PIECES, ALWAYS ABUT THE CUT EDGE TO THE TOP OF THE QUARRY TILE BASE. FACTORY CUT END IS ALWAYS 'UP'!

13 REPAIR SILL @ SIDE WINDOW PER DETAIL, THIS SHEET.



STANDARD SILL DETAIL  
3'-1'-0"

CODE	DESCRIPTION	LOCATION(S) USED	PRIMER			FINISH PAINT				
			PRODUCT	MANUFACTURER	COLOR	PRODUCT	MANUFACTURER	COLOR	FINISH	REMARKS
P-1	PAINT or PRIMER	SERVING AREA BULKHEAD AND ALL DINING WALLS FACING PARALLEL TO FRONT OF STORE	PRO-CRYL UNIVERSAL PRIMER B66-310	SHERWIN WILLIAMS	DARK GRAY	PRE-CATALYZED EPOXY	SHERWIN WILLIAMS	SW 6005 FOLKSTONE	EGG-SHELL	-
P-2	PAINT or PRIMER	METAL DOORS, INTERIOR METAL DOOR FRAMES (EXPOSED COLUMNS)	PRO-CRYL UNIVERSAL PRIMER B66-310	SHERWIN WILLIAMS	OFF WHITE	PRE-CATALYZED EPOXY	SHERWIN WILLIAMS	SW 6258 TRICORN BLACK	SEMI-GLOSS	-
P-3	PAINT or PRIMER	DINING ROOM SIDE FACING WALLS, HALL & RR WALLS. REAR EXT DOOR (IN SEMI-GLOSS)	PRO-CRYL UNIVERSAL PRIMER B66-310	SHERWIN WILLIAMS	LIGHT GRAY	PRE-CATALYZED EPOXY	SHERWIN WILLIAMS	SW 7022 ALPACA	EGG-SHELL	-
P-4	STAIN	INTERIOR WOOD TRIM	STAIN (2 COATS)	SHERWIN WILLIAMS	OAK MAHOGANY	POLYURETHANE (2 COATS)	SHERWIN WILLIAMS	CLEAR	SATIN	REFER TO P-4 FORMULA BELOW
P-5	PAINT	MENU BOARD AND BEVERAGE STATION	PRO-CRYL UNIVERSAL PRIMER B66-310	SHERWIN WILLIAMS	PENN STATION RED	PRE-CATALYZED EPOXY	SHERWIN WILLIAMS	CUSTOM	EGG-SHELL	REFER TO P-5 FORMULA BELOW

- NOTE:  
1. ANY QUESTIONS REGARDING STAIN INFORMATION CONTACT SHERMAN WILLIAMS STORE #4311 @ (513) 771-8212 (INDUSTRIAL COATINGS).  
2. ANY QUESTIONS REGARDING PRODUCT AVAILABILITY, TINTING, MIXING PROCEDURES ON ANY OTHER PAINT COATING LISTED, CONTACT: SHERWIN WILLIAMS STORE #1970 (513) 474-3751 or KIRK DURCHHOLZ @ PENN STATION, INC. (513) 474-5957.  
3. ORDER EARLY, LONG LEAD TIMES POSSIBLE.

### CAULKING SPECIFICATIONS

**CAULKING NOTES:**  
-CAULKING: CAULK ALL DISSIMILAR MATERIALS. ALL SEAMS @ PERMANENT INSTALLATIONS AND FIXTURES SHALL BE CAULKED. USE WHITE @ LAMINATE, FRP AND PAINT CONDITIONS. USE ALUMINUM-COLORED OR CLEAR @ ALL STAINLESS STEEL CONDITIONS. DO NOT CAULK ANY ITEM WITH CASTERS. USE CLEAR AT ALL WALLCOVERING EDGES AGAINST WOOD, TILE, ETC. AND AROUND ALL WINDOW HEAD, SILL & JAMBS. MATCH CEILING COLOR TO CAULK @ ALL SUSPENDED CEILING EDGE RUNNERS. IN SERVING PREP AREAS.

**CAULK TYPES:**  
-CLEAR = DAP SILICONE BASE 50-YR FORMULA 230, ADVANCED LATEX SEALANT  
-WHITE = DAP SILICONE BASE 50-YR FORMULA 230, ADVANCED LATEX SEALANT  
-ALUMINUM = DAP SILICONE BASE 50-YR FORMULA 230, ADVANCED LATEX SEALANT  
-GRAY = URETHANE DIAMONIC BY TREMCO  
-ALL ARE WATER CLEAN-UP MATERIALS.  
-APPLY URETHANE CAULK TO TOP AND SIDE OF MUA UNIT @ HOOD TO CONTROL CABINET AND CONTROL CABINET TO BLOWER ASSEMBLY. ALL ARE WATER CLEAN-UP MATERIALS  
-AT FRP & STAINLESS STEEL COVERED WALLS. USE DIAMONIC OR DIAMERIK CAULK BETWEEN UNFINISHED SLAB & BOTTOM OF CEMENT BOARD. FILL JOINT 100% FINGER SMOOTH.  
-AT EXTERIOR DOORS, USE GRAY URETHANE CAULK BETWEEN TILE & DOOR THRESHOLD.

### CEMENT BOARD SPECIFICATIONS

**APPROVED PRODUCTS:**  
-UTL-A-CRETE CEMENTITIOUS BACKERBOARD BY THE W.R. BONSAI COMPANY  
-DUROCK BRAND CEMENT BOARD BY THE UNITED STATES GYPSUM COMPANY (USG).  
NOTE: "DUROCK NEXT GEN" IN FIRE-RATED CONDITIONS SHALL CONFORM WITH UL1404 REQUIREMENTS FOR 1 & 2 HOUR RATED WALL ASSEMBLIES.

### WALL FINISH SPECIFICATIONS

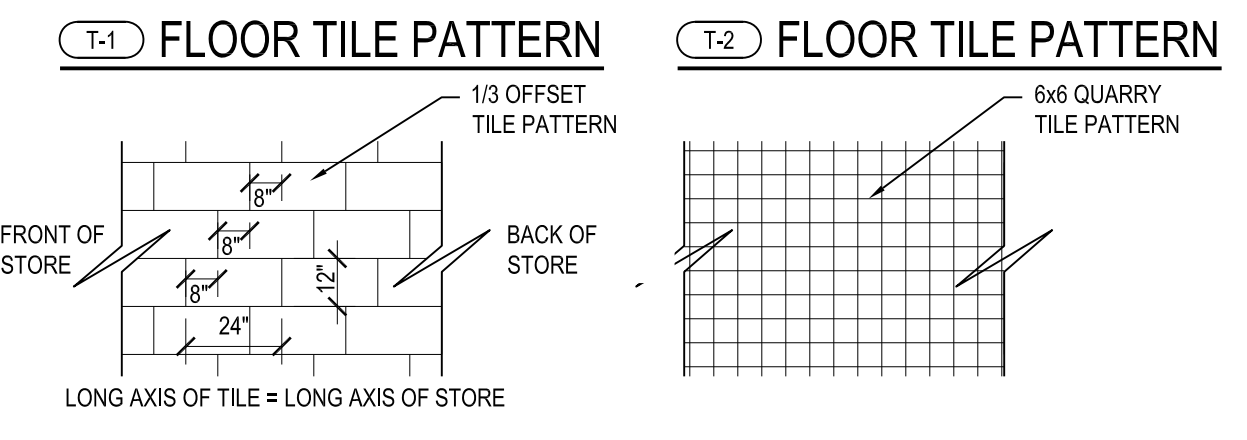
**WALL PREPARATION**  
- REPAIR HOLES, CRACKS, AND GOUGES. ALL JOINTS AND SEAMS MUST BE TAPED AND SANDED SMOOTH.  
- UNPAINTED WALLS: APPLY ZINER SHIELDS WHITE PRIMER AND LET DRY THOROUGHLY. THIS IS ESPECIALLY IMPORTANT FOR DRYWALL.  
- WITHOUT A PRIMER-SEALER, THE DRYWALL WILL BE DAMAGED WHEN THE WALLCOVERING IS REMOVED.  
NOTE: USE DYNAMITE #234 PREMIUM GRADE HEAVY DUTY CLEAR STRIPPABLE PASTE.

### BUILDING CODE INFORMATION - INTERIOR FINISHES

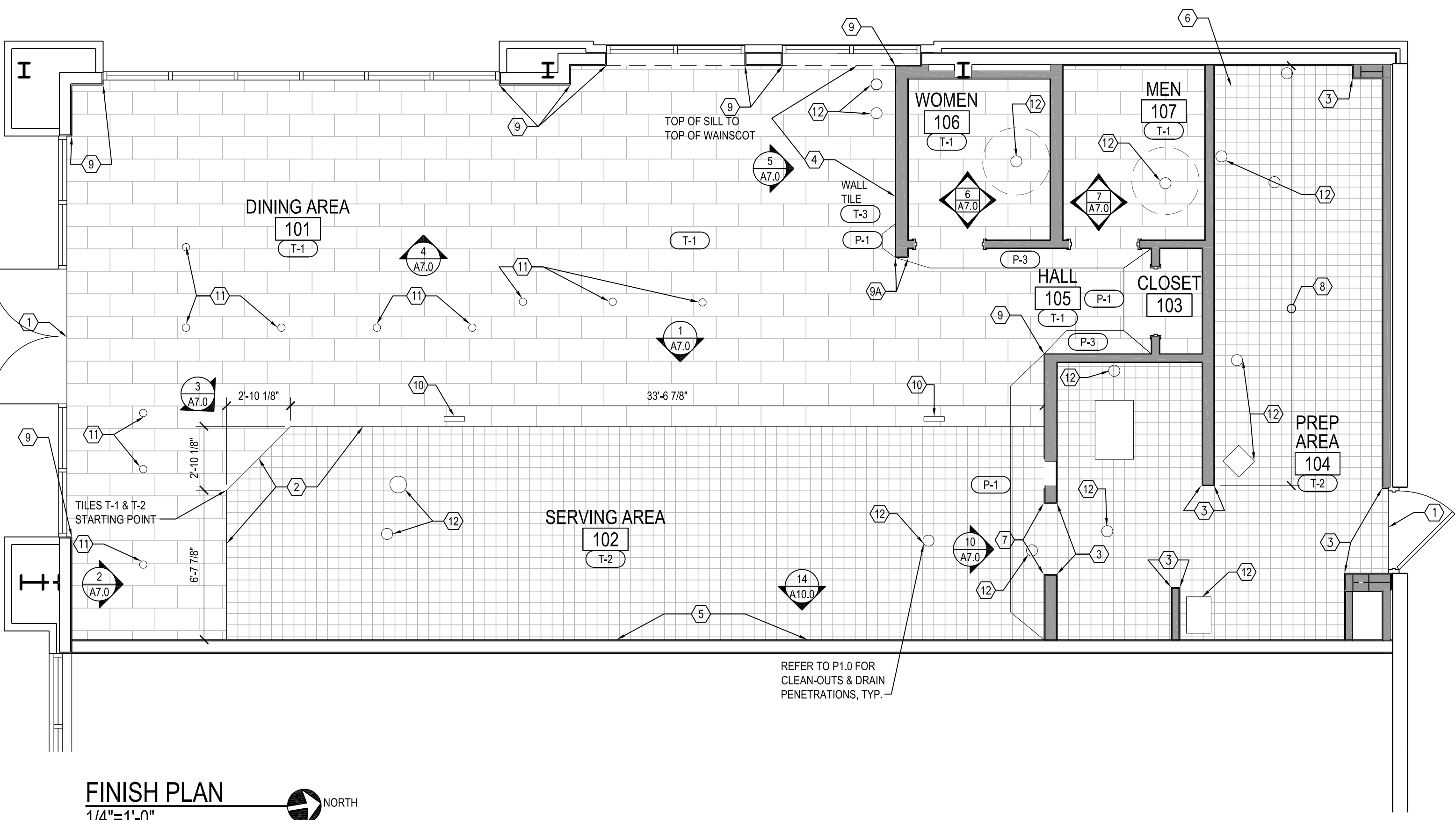
- A. INTERIOR FLOOR FINISHES SHALL BE CLASS II FOR COMMERCIAL APPLICATION. FIRE RATING SHALL BE CLASS II / ASTM E 84. COMPLYING WITH DOC-FF-1.  
B. WALLCOVERING SHALL BE IN ACCORDANCE WITH ASTM E 84. CLASS A FLAME SPREAD REQUIREMENTS. SMOKE DEVELOPMENT OF LESS THAN 450.  
C. ALL FABRIC MATERIALS NOT MEETING MINIMUM CODE REQUIREMENTS SHALL BE TREATED WITH FLAME RESISTANT COATING TO COMPLY WITH NFPA 701.  
D. DECORATIVE MATERIALS, WHERE REQUIRED TO BE FLAME RESISTANT, SHALL COMPLY WITH NFPA 701.  
E. CEILING PANELS SHALL BE IN ACCORDANCE WITH ASTM E 84. CLASS A FLAME SPREAD REQUIREMENTS. SMOKE DEVELOPMENT OF LESS THAN 450.

### TILE NOTES

-TILE INSTALLER, SHUFFLE THE TILES! ALWAYS WORK OUT OF AT LEAST THREE BOXES IN ORDER TO BLEND 'DYE LOTS'.  
-FLOOR TILE TO HAVE A SLIP RESISTANCE THAT COMPLIES WITH ASTM & ANSI TESTING & SPECIFICATIONS  
-SLIP RESISTANCE OF PORCELAIN TILE (T-1): DYNAMIC COEFFICIENT OF FRICTION = 0.62 WET  
-SLIP RESISTANCE OF QUARRY TILE (T-2): DYNAMIC COEFFICIENT OF FRICTION = EQUAL TO OR GREATER THAN 0.84  
-NOTE: TILE INSTALLER TO PAD UNDER PORCELAIN FLOOR TILE (T-1) AT TRANSITION TO QUARRY FLOOR TILE (T-2)



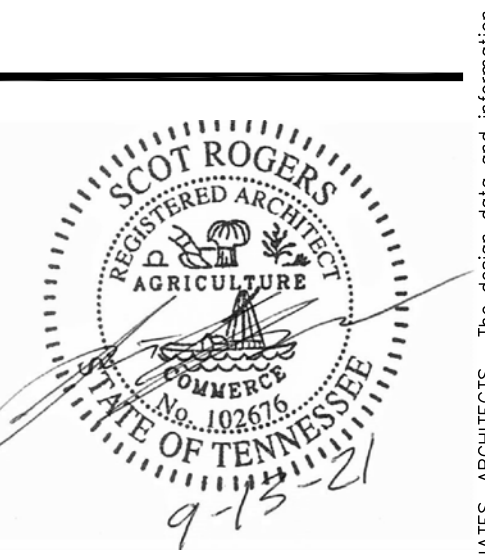
**WARNING:**  
USE PRECAUTIONS IF / WHEN SPRAY PAINTING SO AS TO AVOID DAMAGING SPRINKLER HEADS, ALARM EQUIPMENT, ETC.



NOTE: TILE @ CORNER CONDITIONS SHALL HAVE RADIUS RETURN EDGES  
NOTE: ALL DIMENSIONS GIVEN ARE FINISHED DIMENSIONS.  
NOTE: ALL WALLS SHALL BE PAINTED P-3 UNLESS NOTED OTHERWISE. ALL PREP AREA WALLS SHALL BE FINISHED WITH FRP.



A New Penn Station Restaurant  
Creekside Center  
346 South Cumberland St.  
Lebanon, TN 37087



No. Revision

Sheet Title: Finishes

Issued: 9-13-2021

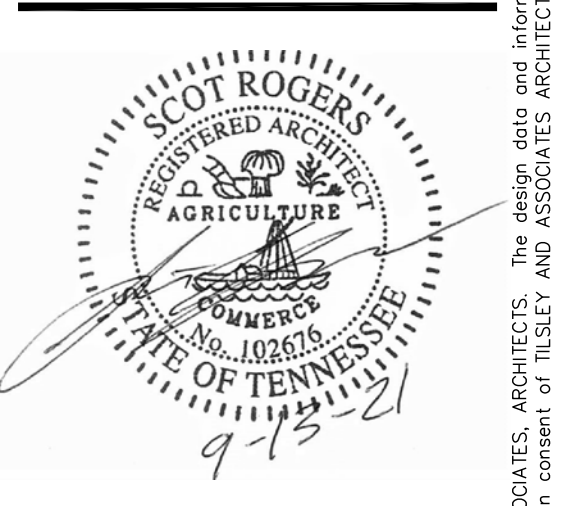
Scale: As Noted

Drawn: S. Rogers

21031 PS Lebanon, TN







ITEM NO.	QTY	DESCRIPTION	MANUFR	MODEL #	FINISH	ELECTRICAL			WATER			WASTE			GAS			SIZE (W x D x H)	NOTES	ITEM NO.	BY
						VOLT	PH	LOAD	HW	CW	DIR	INDIR	SIZE	AMT	HW	CW	DIR				
K-1	1	SSP SERVING WALL	S&G	CUSTOM	SS													30" x 24" x 36.5"	Shop drawings available. GC install electric & gas. Outlets provided. 2 Sections.	K-1	
K-2	1	LEMONADE TABLE	S&G	CUSTOM	SS													27.13" x 21.63" x 36"	Adjust flanged feet. Attached to Item K-1.	K-2	
K-3	1	REFRIGERATED WEIGH TABLE	DELFIELD	4427N-12M	SS	120	10	7.2 AMP	1/5 hp									61" x 36" x 20 3/4" x 14 1/2"	SHOP DRAWINGS / CASTERS	K-3	EC
K-4	1	GRIDDLE STAND	FALCON	CUSTOM	SS													60" x 28" x 16 3/4"	REAR GREASE TROUGH / 48" FLEXHOSE / SPECIAL GAS CONNECT.	K-4	EC
K-5	1	GAS GRIDDLE	S&G	GT-80-C	SS									34"	120,000 btu			48.13" x 31.5" x 36.0"	CASTERS, CUTTING BOARD AND CURB. WALL SHELF - SEE A10.0	K-5	EC
K-6	1	REFRIGERATED BREAD TABLE	DELFIELD	4448N-12	SS	120	10	8.6 AMP	1/3 hp									44" x 29.37" x 30"	Adjust feet to level stand, do NOT bolt to floor (bolt K-8 to K-7) Bolts incl'd.	K-6	EC
K-7	1	OVEN STAND	LINCOLN	CUSTOM	SS													70" HIG x 39" x 17"	48" FLEX GAS HOSE / SPECIAL REVERSE GAS CONNECTION	K-7	
K-8	1	CONVEYOR OVEN	LINCOLN	1116-000-LPS	SS	120	10	7.0 AMP							34"	40,000 btu		60.13" x 31.5" x 36.0"	CASTERS / CUSTOM WELLS. WALL SHELF - SEE A10.0	K-8	
K-9	1	REFRIGERATED WRAP TABLE	DELFIELD	4460N-4	SS	120	10	12.0 AMP	1/2 hp									48" x 35" x 55"	FREESTANDING	K-9	EC
K-10	1	DISPLAY REFRIGERATED CASE	MARC	BDL-4R	SS	120	10	12.0 AMP	1/3 hp									36" x 30" x 36"	Adjust flanged feet. Attached to Item K-1.	K-10	EC
K-11	1	SLICER TABLE	S&G	CUSTOM	SS													67 1/4" x 32 1/4" x 29 3/4"	CASTORS.	K-11	
K-12	1	REFRIGERATED TABLE	TRUE	TUC-67	SS	120	10	1.7 AMP	1/5 hp									99 1/4" x 39" x 36"	NO BACKSPLASH	K-12	EC
K-13	1	REFRIGERATED TABLE	TRUE	TUC-67	SS	120	10	1.7 AMP	1/5 hp									47" x 31" x 3" x 45" w/ LAMP	48" FLEX GAS HOSE / SPECIAL REVERSE GAS CONNECTION	K-13	EC
K-14	1	GAS FRYER	FRYMASTER	FPPH255	SS	120	10	12.0 AMPS	TOTAL					1"	160,000 btu			36" x 25" x 60 4/8"	FREESTANDING w/ CASTERS	K-14	EC
K-15	1	DBL. POTATO BASKET	S&G	CUSTOM	SS													72" x 32" x 35"	COLD COMBINATION TABLE	K-15	EC
K-16	1	REFRIGERATED TABLE COMBINATION	DELFIELD	UC4472N-18	SS	120	10	12.0 AMP	1/2hp									80" x 36" x 33" + 4"	SHOP DRAWINGS / FIT TIGHT TO WALL / 4" BACKSPLASH	K-16	EC
K-17	1	BEVERAGE TABLE	S&G	CUSTOM	SS & PL-2													51" x 32.8" x 79 1/2"	CASTERS. W/ OUTLET @ 84"	K-17	EC
K-18	1	2 DOOR FREEZER	DELFIELD	GF82P-S-M384	SS	120	10	12.0 AMP	3/4 hp									20.25" x 16" x 28"	CUT TO FIT ALCOVE. FINISH HEIGHT = 42" AFF. REFER TO A10.0	K-18	EC
K-19	1	STEEL FLOOR SAFE	CSS	CS2820	SS													44" x 25" x 42 1/4"		K-19	EC
K-20	1	OFFICE COUNTER		CUSTOM	PL-4															K-20	GC

ITEM NO.	QTY	DESCRIPTION	MANUFR	MODEL #	FINISH	ELECTRICAL			WATER			WASTE			GAS			SIZE (W x D x H)	NOTES	ITEM NO.	BY
						VOLT	PH	LOAD	HW	CW	DIR	INDIR	SIZE	AMT	HW	CW	DIR				
KA-1	2	MEAT SCALE	TAYLOR	TE 10 R	SS	120	10											8 1/16" x 7 3/4" x 2 1/4"	SITS ON K-3 & K-11. 32oz. CAPACITY	KA-1	EC
KA-2	2	GARBAGE CANS	RUBBERMAID	SLIM JIM 3540	SS													17" x 11" x 30"		KA-2	EC
KA-3	3	CASH REGISTER TOUCH MONITOR	ELO	1525L-MSR	SS	120	10	0.25 AMP										17" x 8.2" x 15.4"	SITS ON K-1 & K-22 OR K-29 - REFER TO E1.0 FOR WIRING	KA-3	O
KA-4	3	CASH REGISTER DRAWER	VASARIO	V8320-BL1616	SS													16.2" x 16.33" x 4.33"	SITS ON K-1 & K-22 OR K-29	KA-4	O
KA-5	3	CASH REGISTER PRINTER	ITHACA	ITHERM 280	SS	120	10											6.25" x 8.5" x 5.87"	SITS ON K-1 & K-22 OR K-29 - REFER TO E1.0 FOR WIRING	KA-5	O
KA-6	2	REMOTE PRINTER	ITHACA	POSjet 1000	SS	120	10											6.75" x 9.75" x 5.81"	SITS ON K-8 - REFER TO E1.0 FOR WIRING	KA-6	O
KA-7	1	CASH REGISTER COMPUTER	DELL	OPTIMULE SX270	SS	120	10											9.72" x 9.53" x 9.72"	SITS ON K-20 - REFER TO E1.0 FOR WIRING	KA-7	O
KA-8	2	REMOTE PRINTER SHELF	S&G	CUSTOM	SS													6.75" x 10.25" x 3.5"	MOUNT ON K-1 ABOVE K-3. TOP OF SHELF = 51" A.F.F. (JUST UNDER CAP)	KA-8	O
KA-9	1	MEAT SLICER	BIZERBA	GSP V PS-ECS	SS/AL	120	10	3.3 AMP	1/2 hp									28" x 30" x 26"	SITS ON K-11	KA-9	EC
KA-10	1	POTATO CUTTER SUPPORT ASSBLY	S&G	CUSTOM	SS													20" x 1" x 22"	MOUNT ON K-15.	KA-10	O
KA-11	1	POTATO CUTTER	NEMCO	N5450-2	SS													9" x 10" x 20"	HANG TO ITEM # K-15	KA-11	O
KA-12	2	DOORBELL BUZZER	EDWARDS	#800	SS													HIGH VOLT TRANSFORMER. MOUNT BUTTONS NEXT TO REAR DOOR & PIU WINDOW.	KA-12	GC	
KA-13	1	LID DISPENSER	SAN JAMAR	L2912BK	POLYURETHANE													7" W x 27" L	2-LID SIZE UNIT, SITS ON LOWER SHELF OF K-2	KA-13	EC
KA-14	2	PAPER CUTTER ASSEMBLY	S&G	PC18	SS													21" x 9" x 19-3/4"	MOUNT ON K-1 & WALL ABOVE K-6. TOP OF SHELF = 51" A.F.F., verify clearance	KA-14	O
KA-15	1	TEA BREWER	BUNN	TB3Q	SS	120	10	14.4 AMP		1/2"								11.55" x 22.39" x 34"	SITS ON K-17. COLD WATER = 18" A.F.F. 2-6" FROM CORNER	KA-15	V
KA-16	1	LEMONADE DISPENSER	CRATICO	D15-4	SS/PL	120	10	2.9 AMP	1/6 hp									10 1/8" x 15 1/8" x 27 1/4"	MODIFIED w/ PULP COLLECTOR. SITS ON K-2	KA-16	EC
KA-17	1	LEMON JUICER	NEMCO	N5580	SS													7 1/2" x 9" x 19"	SITS ON K-2	KA-17	EC
KA-18	1	LEMON BASKET	ARCHER WIRE	1/2 SIZE BASKET	CHROME													9.47" x 11.59" x 5.88"	SITS ON K-2	KA-18	EC
KA-19	1	CONDIMENT & BAG HOLDER	S&G	CUSTOM	SS													13" x 11 1/4" x 11"	SITS ON K-2	KA-19	EC
KA-20	1	CONDIMENT HOLDER	S&G	CUSTOM	SS													13" x 11 1/4" x 5"	SITS ON K-12	KA-20	EC
KA-21	2	ICED TEA DISPENSER	BUNN	TDS-3.0	SS													9.8" x 12.8" x 19"	SITS ON K-17	KA-21	V
KA-22	1	EMPLOYEE COAT RACK		CUSTOM	SS													24" x 34" x 6"	5 HOOKS. MOUNT @ 6-6" A.F.F. MIN. TO CENTER.	KA-22	V
KA-23	1	BULLETIN BOARD		CUSTOM	SS													24" x 34" x 24"	MOUNT ON WALL ABOVE K-20. REFER TO A10.	KA-23	V
KA-24	2	TICKET BAR	ADCRAFT	CUSTOM	SS													(1) 30", (1) 36"	MOUNT USING SS RIVETS COORD. LOCATION W/ P.S. INC. (INSTALLIGHTLY OUT OF LEVEL TOWARDS REAR OF STORE)	KA-24	O
KA-25	1	FRYER BUMPER	DBS	CUSTOM	SS													6" x 36" L x 6"	MOUNT ON BACK OF FRYER 3 1/2" DOWN FROM FRYER RISER	KA-25	O
KA-26	3	CUP DISPENSER	SAN JAMAR	C2902BK / C2903BK	POLYURETHANE													7" W x 27" L x Various	2 - 2cup UNITS & 1 - 3cup UNIT (1 - 2cup on Item #K-12, others @ K-2)	KA-26	O
KA-27	1	ICE SCOOP AND BRACKET	S&G	CUSTOM	SS													5" x 5"	MOUNT ON KA-26 3-CUP	KA-27	EC

ITEM NO.	QTY	DESCRIPTION	MANUFR	MODEL #	FINISH	SIZE	NOTES	ITEM NO.	BY
S-1	4	FLOOR MOUNTED SHELVING	FOCUS	FOCUS	GREEN EPOXY	24" DEEP	(4) 96" H. POSTS ON CASTERS	S-1	
S-2	0	FLOOR MOUNTED SHELVING	FOCUS	FOCUS	GREEN EPOXY	24" DEEP	(4) 96" H. POSTS	S-2	
S-3	1	FLOOR MOUNTED SHELVING	FOCUS	FOCUS	GREEN EPOXY	18" DEEP	(4) 96" H. POSTS	S-3	
SO-1	9	WALL MOUNTED SHELVING	FOCUS	FOCUS	GREEN EPOXY	18" DEEP	BACK OF HOUSE - VARIOUS HEIGHTS - SEE A10.0	SO-1	
SO-2	14	END SHELF BRACKET	FOCUS	FPMB18SGN	GREEN EPOXY	18" DEEP	SINGLE SHELF SUPPORT	SO-2	
SO-3	2	MIDDLE SHELF BRACKET	FOCUS	FPMB18DGN	GREEN EPOXY	18" DEEP	DOUBLE SHELF SUPPORT	SO-3	
SO-4	0	13" WALL POST	FOCUS	FWPS13GN	GREEN EPOXY	13" TALL	POLE FOR SINGLE SHELF INSTALLATION	SO-4	
SO-5	9	33" WALL POST	FOCUS	FWPS33GN	GREEN EPOXY	33" TALL	POLE FOR DOUBLE SHELF INSTALLATION	SO-5	
SO-6	4	WALL MOUNTED SHELVING	FOCUS	FOCUS	SOLID, not wire	14" x 30"	COOK LINE - REAR SIDE OF OVEN - SEE A10.0	SO-6	
SO-7	1	WALL MOUNTED SHELVING	FOCUS	FOCUS	SOLID, not wire	14" x 42"	COOK LINE - FRONT SIDE OF OVEN - SEE A10.0	SO-7	
SO-8	6	END SHELF BRACKET	FOCUS	FPMB14SCH	CHROMATE	14" DEEP	SINGLE SHELF SUPPORT	SO-8	
SO-9	2	MIDDLE SHELF BRACKET	FOCUS	FPMB14DCH	CHROMATE	14" DEEP	DOUBLE SHELF SUPPORT	SO-9	
SO-10	2	13" WALL POST	FOCUS	FWPS13CH	CHROMATE	13" TALL	POLE FOR SINGLE SHELF INSTALLATION	SO-10	
SO-11	3	33" WALL POST	FOCUS	FWPS33CH	CHROMATE	33" TALL	POLE FOR DOUBLE SHELF INSTALLATION	SO-11	
SB-1	1	FLOOR MTD BREAD SHELVING	FOCUS	EPOXY	GREEN	24" DEEP	(4) 96" H. POSTS & (8) SHELVES w/ CLEAR PLASTIC MAT INSTALLED BY G.C.	SB-1	

**SHELVING NOTES**

- THE WIRE SHELVING IN THE RESTAURANT HAS ADJUSTABLE SHELF HEIGHTS. THE GENERAL CONTRACTOR SHALL SET THE LISTED SHELF HEIGHTS DURING THE INITIAL INSTALLATION. ADJUSTMENTS AFTER OCCUPANCY SHALL BE THE RESPONSIBILITY OF THE OWNER. THE NUMBERS LISTED ARE THE NUMBERS MARKED ON THE VERTICAL COMPONENTS OF THE SHELVING SYSTEM AT THE TOP OF THE SHELF BEING LOCATED.
- SHELVING MUST BE INSTALLED SNUGLY FIT TOGETHER, WITH NO SPACE BETWEEN SHELF UNITS. THIS ADDS STABILITY TO THE SHELVES AND POSITIONS THE OTHER EQUIPMENT ITEMS PROPERLY IN RELATION TO EACH OTHER.

**WALL SHELVING INSTALLATION:**  
NOTE THAT ALL WALL SHELVING IS MOUNTED ON POSTS THAT ARE ANCHORED TO THE WALL. NO BRACKETS WILL BE DIRECT-MOUNTED.

BLOCKING SCHEDULE		
NO.	FROM...TO...A.F.F.	DESCRIPTION
1	30" 40"	H-GRAB BARS, V-BAR = 36" to 62"
2	36" 72"	3-COMP. FAUCET
3	72" 90"	WATER FILTERS
4	48" 66"	UPPER FAUCET @ PREP SINK
5	6" below to 6" above	WALL MOUNTED SHELVING - SEE A10.0
6	0" 36"	WALL MOUNTED TRASH CANS
7	42" 52"	TOWEL DISP. @ REST ROOMS
8	54" 70"	TOWEL DISP. @ HAND SINK
9	0" 16"	CORNERS OF MOP SINK
10	32" 42"	HAND SINK
11	12" 54"	MUST SECURE URINAL & FLUSH VALVE
12	24" 48"	FAUCET @ MOP SINK
13	16" 30"	

**MECHANICAL SPECIFICATIONS**

- HVAC SYSTEMS SHALL INCLUDE HIGH & LOW PRESSURE CONTROL SAFETY SWITCHES AND SHALL BE CHECKED FOR LOCAL CODE COMPLIANCE BY THE MECHANICAL CONTRACTOR.
- COORDINATE ALL WORK WITH THE EQUIPMENT CONTRACTOR IN TERMS OF ITEMS PROVIDED, SCOPE OF WORK, AND HOOK UP REQUIREMENTS.
- HOOD SUPPLIER SHALL PROVIDE SHOP DRAWINGS FOR EXHAUST HOOD INSTALLATION.
- GENERAL NOTES:
  - A. NO PENETRATIONS SHALL OCCUR THROUGH THE TILE BASE.
  - B. GAS LINE PENETRATIONS BEHIND SERVICE LINE MUST BE SUCH THAT OVEN, GRILLE AND FRYER CAN BE PULLED OUT TO NEAR FULL LENGTH OF FLEXIBLE GAS LINE CONNECTIONS. WALL PENETRATIONS MUST BE POSITIONED VERY NEAR TO THE GAS LINE CONNECTION LOCATIONS ON THESE PIECES OF EQUIPMENT, BUT NOT SO CLOSE THAT FITTINGS INTERFERE WITH EACH OTHER WHEN EQUIPMENT IS AGAINST THE WALL. GAS LINE MUST RUN INSIDE WALLS EXCEPT AT EQUIPMENT FEEDS. SEE "CABLE RESTRAINT DETAIL" #12 ON SHEET A6.0.
- GENERAL CONTRACTOR MUST COORDINATE THE HVAC & HOOD CONTRACTORS SUCH THAT HVAC & HOOD SYSTEMS ARE INSTALLED TOGETHER PRIOR TO STORE OPENING. BOTH HVAC & HOOD SYSTEMS MUST BE COMPLETED AT LEAST 4 WORKING DAYS PRIOR TO AIR TEST & BALANCE TO ALLOW ENOUGH TIME FOR BALANCE TO TAKE PLACE. CHECKLIST SCHEDULE MUST BE COMPLETED AND TURNED IN TO PENN STATION INC. SEE FORMS ON THIS SHEET.
- LIMIT FLEX-PIPE RUNS TO 5'-0" MAXIMUM LENGTH.
- USE HARD-PIPE, 90° ELBOWS AT ALL DIFFUSERS UNLESS DIRECTLY UNDER A MAIN TRUNK LINE.
- ALL HANGERS AND INSTALLATION METHODS FOR HVAC DUCTWORK SHALL MEET SMACNA STANDARDS.
- REFER TO CAPTIVEAIRE SHOP DRAWINGS FOR ELECTRICAL FEED DETAILS & LOCATIONS @ EXHAUST FANS.
- PRIOR TO BALANCING STORE, SET THE MOTORIZED DAMPER(S) IN THE FRESH AIR DUCTS FOR APPROX. 25% FRESH AIR. REFER TO "AIR BALANCE" THIS SHEET FOR % OF FRESH AIR BROUGHT IN BY UNIT(S). FINE TUNE SETTING DURING BALANCING.
- EXHAUST FANS BY NUTONE OR EQUAL. EXHAUST TO EXTERIOR. WHITE. PROVIDE TWO INDIVIDUAL SINGLE PORT IN-LINE VENTILATOR TYPE FANS. COMBINE DUCTS AT END OF LINE FOR SINGLE ROOF OR WALL PENETRATION IF FIELD CONDITIONS PERMIT (REFER TO ROOF / HVAC PLAN FOR EXIT TYPE).
- IN OCCUPIED MODE, THE HVAC UNIT FANS SHALL BE IN THE 'ON' MODE FOR STORE CONSTANT BALANCE.

**HOOD & HVAC CHECKLIST**

Contact and Forward to Franchisee (Owner). Franchisee to Forward to:  
 Kirk Durchholz w/ Penn Station  
 1226 U.S. Highway 50  
 Milford, OH 45150  
 Tel. (513) 474-5957  
 Fax. (513) 474-7116

The following is a list of items (most common) to insure system readiness. Most of these items will have already been done, therefore this checklist can verify the system is functional and meets the design criteria. Several items listed below may not be applicable to your system.

Please check each item and turn in to Franchisee when complete. (Must be completed at least four working days before punch list inspection. Franchisee must immediately forward a copy to KirkDurchholz @ Penn Station Inc.).

HOOD SYSTEMS	YES	NO	N/A	CORRECTED DATE/MISC.
HOODS:				
COOKING EQUIPMENT INSTALLED				
COOKING EQUIPMENT OPERATIONAL				
GREASE CUP INSTALLED				
HOOD LIGHTS OPERATIONAL				
DUCT SYSTEM:				
EXHAUST DUCTWORK:				
DUCT TRANSITIONS TO CENTER OF CURB				
DUCT WELDED LIQUID TIGHT				
SUPPLY DUCTWORK:				
NO DUCT LEAKAGE				
VOLUME DAMPERS PER DESIGN				
ALL SUPPLY DIFFUSERS INSTALLED				
FANS:				
EXHAUST FANS:				
HINGE KIT INSTALLED WITH BOLTS				
CORRECT FAN ROTATION				
GREASE CUP INSTALLED				
SUPPLY FANS:				
INTAKE FILTERS INSTALLED				
CORRECT FAN ROTATION				
IF MAKE-UP AIR IS HEATED:				
GAS IS HOOKED UP TO UNIT				
FIRE-EYE CONTROL BOX HAS POWER				
ELECTRICAL (FIRE SYSTEM):				
GAS SHUT OFF FOR EQUIPMENT				
ELECTRIC UNDER HOOD SHUT OFF				
SUPPLY FAN SHUT OFF				
EXHAUST FAN REMAINS RUNNING				

HVAC (RTU) UNITS	YES	NO	N/A	CORRECTED DATE/MISC.
UNITS:				
2-STAGE MOTORIZED DAMPER INSTALLED				
CONDENSATE DRAIN PIPING & PAN				
CLEAN FILTERS INSTALLED IN UNIT				
CLEAN DAMPER FILTERS				
ELECTRICAL:				
FAN ROTATION CORRECT				
SMOKE DETECTORS SET / FUNCTIONAL				
THERMOSTATS ARE FUNCTIONAL				
2-STAGE MOTORIZED DAMPER FUNCTIONAL				
DUCT SYSTEM:				
VOLUME DAMPERS PROVIDE PER DESIGN				
FIRE DAMPERS OPEN & ACCESSIBLE				
ALL VOLUME DAMPERS ARE OPEN				
ALL SUPPLY REGISTERS INSTALLED				
ALL RETURN REGISTERS INSTALLED				
SYSTEM INSTALLED PER PLAN				
REMARKS:				

**VENTILATION AIR SCHEDULE**

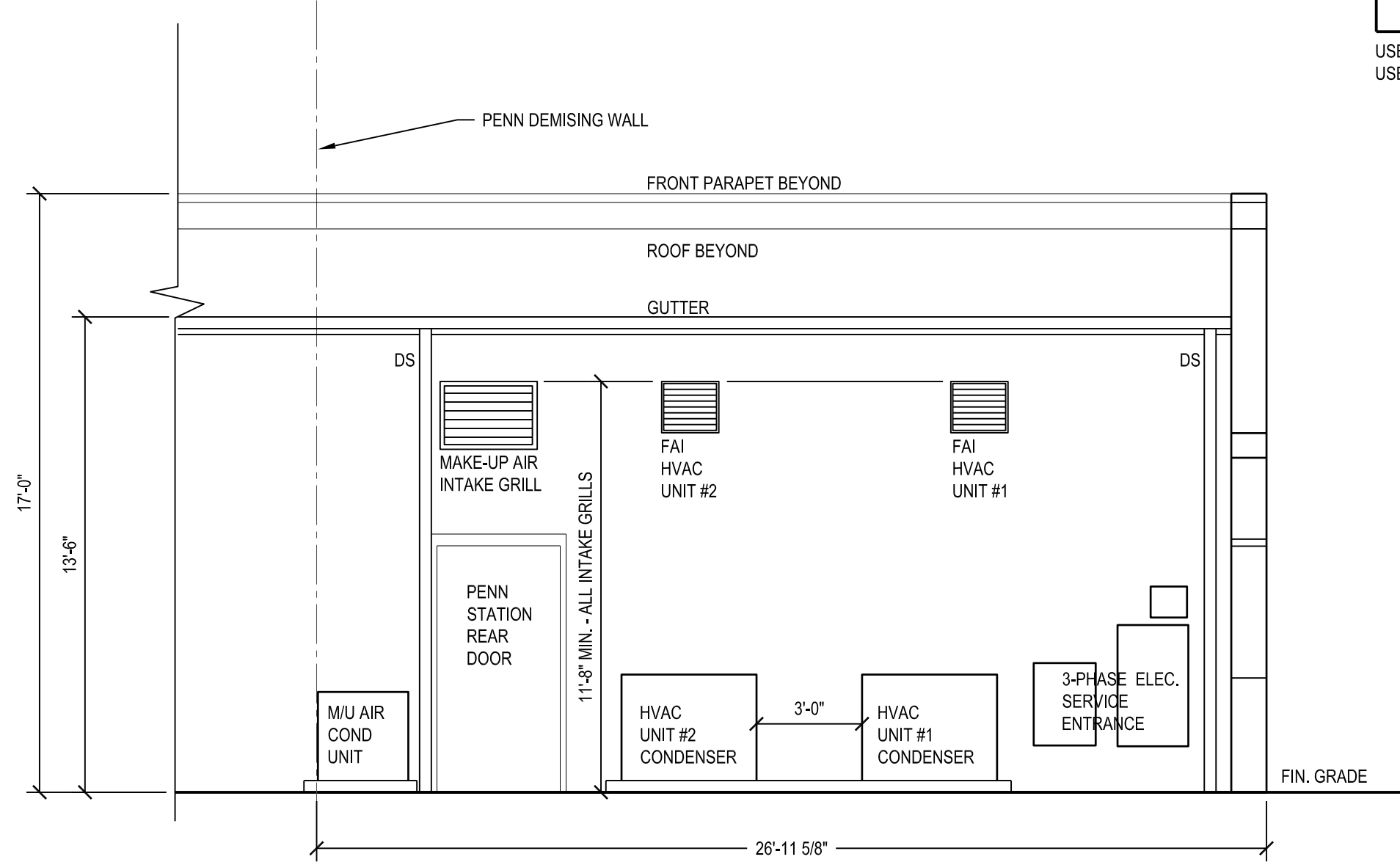
ROOM NAME	OCCUPANCY CLASSIFICATION	NET AREA SQ.FT.		REQU. OCC. PER SQ.FT.	REQU. OCCUPANTS	CFM PER OCCUPANT	CFM PER SQ.FT.	REQD. OCC. OUTSIDE AIR CFM	H		K		EXHAUST FLOW RATE CFM / SQ.FT.	EXHAUST CFM REQUIRED PER SQ.FT.	EXHAUST REQUIRED FOR R.R. FIXTURES	CFM EXHAUST PROVIDED				
		A	B						C	D	E	F					G	H	J	K
		PER PLAN	PER IMC TABLE 403.3						= Ax+B	PER IMC TABLE 403.3	PER IMC TABLE 403.3	= CxD					= AxE	= F+G	= PROVIDED SUPPLY AIR	= PROVIDED FRESH AIR
101 DINING	DINING	847.5	70/1000	45	7.5	0.18	337.5	116.5	454	2500	625	NA	NA	NA	NA	NA				
102 SERVING AREA	KITCHEN	370.5								2300	575	0.7	259.4	NA	2653					
103 CLOSET	NONE	9																		
104 PREP AREA	MEAT PROCESSING	269	10/1000	3	15	-	45	-	45	1000	250	NA	NA	NA	NA					
105 HALL	NONE	23																		
106 WOMEN	NONE	45								70	17.5			50	75					
107 MEN	NONE	49								130	32.5			100	150					
<b>TOTAL</b>									<b>499</b>	<b>6000</b>	<b>1500</b>									

**AIR BALANCE**

- 2653 EXHAUST HOODS
- + 1580 MAKE-UP AIR
- 1073 CFM
- 225 R.R. EXHAUST FANS
- 1298 CFM
- + 750 FRESH AIR HVAC UNIT No. 1 (25%)
- + 750 FRESH AIR HVAC UNIT No. 2 (25%)
- + 202 CFM TOTAL

**HVAC GENERAL NOTES**

- SUPPLY DUCT SHALL BE IN THE FOLLOWING GAUGES (I.N.O.): ROUND:
  - UP TO 12" Ø = 28 GAUGE
  - 14" AND LARGER = 26 GAUGE
 SQUARE / RECTANGULAR:
  - UP TO 10" X 12" = 28 GAUGE
  - 10" X 14" OR 12" X 12" AND LARGER = 26 GAUGE
- SUPPLY DROPS SHALL BE GALVANIZED IN 24 GAUGE MATERIAL.
- RETURN DUCT SHALL BE GALVANIZED IN 22 GAUGE MATERIAL.
- FOR ALL SQUARE / RECTANGULAR DUCT AND RETURN AIR DUCT, THE FIRST NUMBER = DUCT HEIGHT AND THE SECOND NUMBER = DUCT WIDTH (EXAMPLE: FOR A 6" X 10" DUCT, IT IS 6" HIGH BY 10" WIDE).
- INSTALL ALL BOOTS FROM INSIDE DUCTWORK.
- ALL DUCTWORK WITHIN CEILING CAVITIES SHALL BE WRAPPED WITH INSULATION AND VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM - OR - ALUMINUM FOIL HAVING A THICKNESS OF 2 MILS.
- FLEXIBLE DUCT CONNECTORS SHALL BE TESTED IN ACCORDANCE WITH UL181 AND SHALL BE LISTED AND LABELED AS CLASS O OR CLASS I DUCT.
- DUCT COVERINGS SHALL HAVE A FLAME SPREAD INDEX NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX NOT MORE THAN 50.
- ALL JOINTS, SEAMS, AND CONNECTIONS SHALL BE SECURELY SEALED AND FASTENED.
- RETURN DUCT SMOKE DETECTORS SHALL BE IN COMPLIANCE WITH SECTION 606 IMC.
- VERIFY LOCATION OF CONTROLS AND USE ALTERNATE POSITION IF REQUIRED.
- IF A BUILDING FIRE ALARM SYSTEM EXISTS, ALL HVAC DUCT SMOKE DETECTORS AND HOOD CONTROL PANEL MUST REPORT TO IT. COORDINATE W/ LANDLORD.
- RUN CONDENSATE LINES FROM EQUIPMENT ABOVE THE CEILINGS TO ONE OF TWO LOCATIONS: MOP SINK OR THE FLOOR SINK UNDER THE PREP SINK.



**REAR ELEVATION**  
1/4"=1'-0"

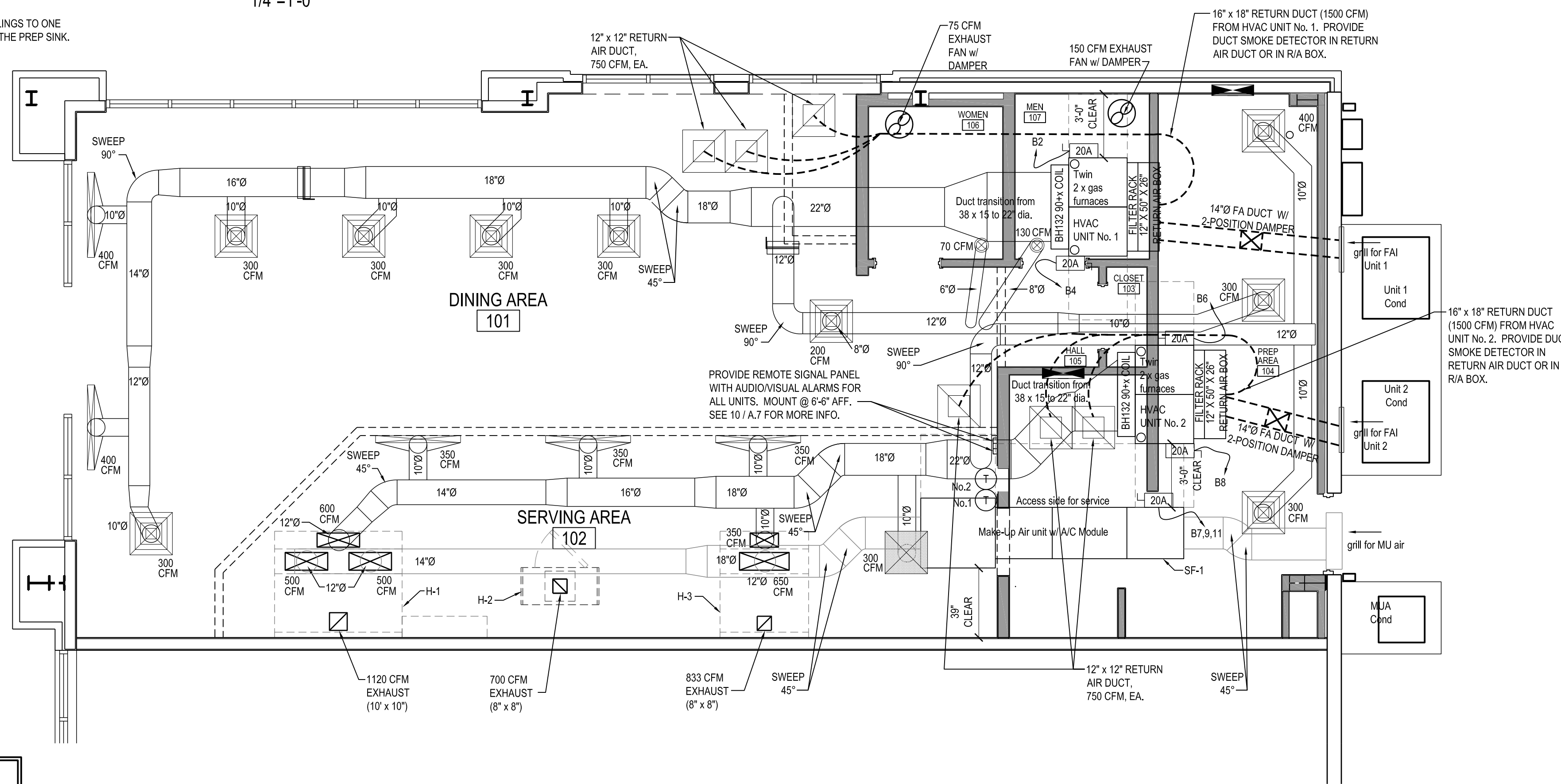
**HVAC EQUIPMENT**

- HVAC UNIT No. 1 & No. 2: LENNOX  
 HVAC SYSTEM:  
 1 BH132 90-X COIL  
 1 EL S 090 S 4 S T - 1 Y CONDENSING UNIT: 7.5-TON COOLING (208V, 3/0)
- 2 ML 1 80 UH 090 XE 48 B GAS FURNACES  
 (2 X 88,000 = 176,000 BTUH) 3000CFM TWINNING KIT
- FIELD INSTALLED OPTIONS (TYP. EACH UNIT)  
 1 RETURN AIR DUCT BOX BY HVAC INSTALLER.  
 1 KIT - SMOKE DETECTOR (IN RETURN AIR DUCT BOX)  
 1 SIDE ACCESS FILTER BOX  
 1 THERMOSTAT  
 1 THERMOSTAT GUARD  
 1 TWO POSITION MOTORIZED FRESH AIR DAMPER IN FRESH AIR DUCT BY OTHERS  
 1 WALL LOUVER FOR FRESH AIR INTAKE W/ BIRD SCREEN  
 1 UNIT-MOUNTED HEAVY-DUTY DISCONNECT  
 1 GFCI RECEPTACLE NEARBY BY ELECTRICIAN. SEE MZ.0 FOR CIRCUIT.
- VERIFY HVAC EQUIPMENT BEFORE ORDERING:  
 CONTACT: LANCE DOHM (613)-617-6038

**REQUIRED TESTING**

- CONDUCT A LIGHT-TEST TO CHECK WELDS ON KITCHEN GREASE DUCTS. THE TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT. NOTE: INSPECTORS MAY REQUIRE ALTERNATIVE TESTING UNDER CERTAIN CIRCUMSTANCES.
- A PUFF TEST IS REQUIRED ON THE KITCHEN SUPPRESSION SYSTEM
- AN AIR-CAPTURE TEST IS REQUIRED ON THE KITCHEN HOOD(S)
- A TEST AND BALANCE REPORT IS REQUIRED

**HVAC PLAN**  
1/4"=1'-0"



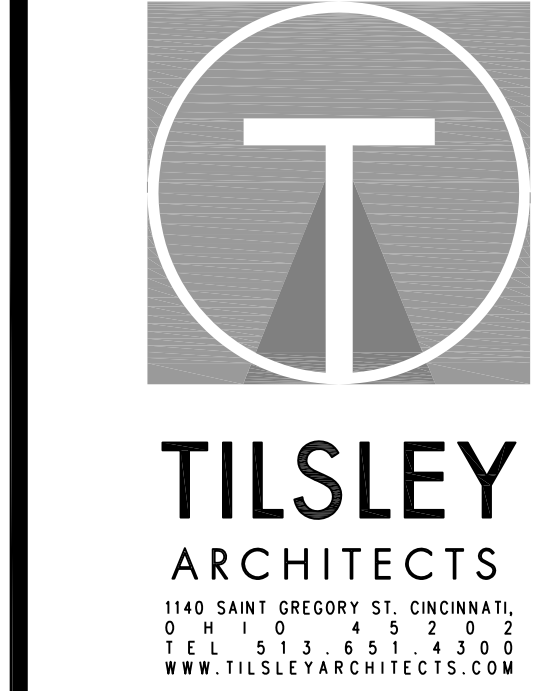
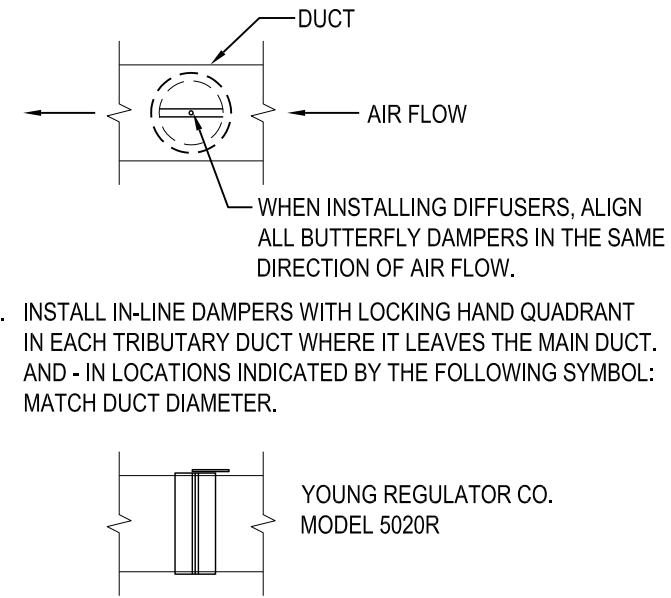
**HVAC SYMBOL LEGEND**

SYMBOL	DESCRIPTION	SIZE	COLOR
	2'x2' SQUARE CONE DIFFUSER (FIXED AIR PATTERN) "PRICE" - ASCD40/B12 ALUMINUM. W/ 3800-SERIES BUTTERFLY DAMPER	2' x 2'	FACTORY WHITE SEE DAMPER NOTE BELOW
	2'x2' DIFFUSER (PERFORATED LOW-VELOCITY) HART & COOLEY - RFPS W/ 3800-SERIES BUTTERFLY DAMPER	2' x 2'	FACTORY WHITE SEE DAMPER NOTE BELOW
	LOW VOLUME CEILING DIFFUSER W/ 3800-SERIES BUTTERFLY DAMPERS	8" Ø	FACTORY WHITE SEE DAMPER NOTE BELOW
	SLOT CEILING DIFFUSER	4" x 48"	FACTORY WHITE
	RETURN AIR GRILLE, MFR: PRICE. LOUVERED RETURN GRILLE, REMOVABLE FOR CLEANING: #6304FR. 60/70 RETURN 22" X 22" 60D/TB/24X24 B12 Do not install filter (filter covered by hvac unit), angle diffusers away from wall, spray paint pan & collar of cold air return black.	2' x 2'	FACTORY WHITE
	HONEYWELL VISIONPRO 8000 WIFI PROGRAMMABLE THERMOSTAT @ 4'-6" AFF PER HVAC PLAN.	-	WHITE
	SIDE WALL DUCT DIFFUSER HART & COOLEY # 651 POINT FINS UP	6" x 12" MOUNT @ 9'-6" AFF	PAINT TO MATCH WALLS.

USE BUTTERFLY DAMPERS FOR ALL TEMPERED SUPPLY DIFFUSERS (FEED FROM HVAC UNITS). USE LOUVERS AND DAMPERS W/ LOCKING QUADRANTS FOR ALL MAKE-UP AIR FEEDS.

**DAMPER NOTES:**

- INSTALL KEYS, SPRING LOADED BUTTERFLY DAMPERS AT ALL SQUARE & ROUND DIFFUSERS (NOT LINEARS). PRICE INDUSTRIES #VCR-7
- INSTALL IN-LINE DAMPERS WITH LOCKING HAND QUADRANT IN EACH TRIBUTARY DUCT WHERE IT LEAVES THE MAIN DUCT. AND - IN LOCATIONS INDICATED BY THE FOLLOWING SYMBOL: MATCH DUCT DIAMETER.

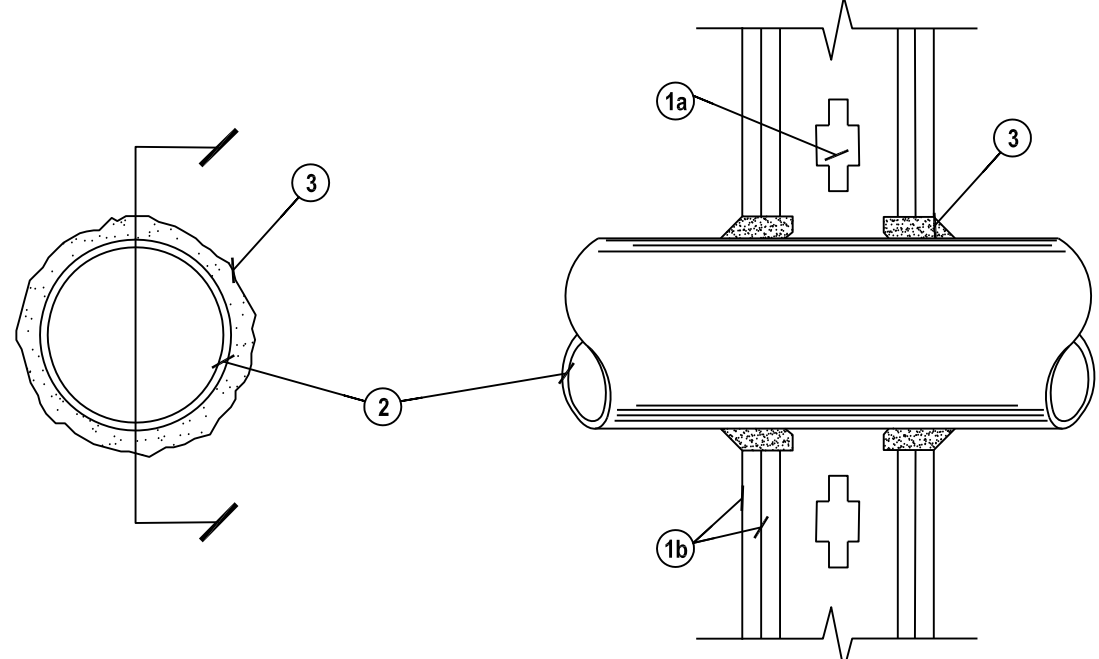


**A New Penn Station Restaurant**  
 Creekside Center  
 346 South Cumberland St.  
 Lebanon, TN 37087

SCOT ROGERS REGISTERED ARCHITECT AGRICULTURE	9/13/21
No. Revision	
Sheet Title	HVAC Plan
Issued	9-13-2021
Scale	As Noted
Drawn	S. Rogers
21031	PS Lebanon, TN

**SYSTEM NO. WL-1001**  
JUNE 15, 2005

F RATINGS - 1,2,3 AND 4 HR (SEE ITEMS 2 & 3)  
T RATINGS - 0,1,2,3 AND 4 HR(SEE ITEM 3)  
L RATING AT AMBIENT - LESS THAN 1 CFMSQ. FT.  
L RATING AT 400F - LESS THAN 1 CFMSQ. FT.



- Wall Assembly** - The 1,2,3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
  - Studs - Wall framing may consist of either wood framing (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of braces. Steel studs to be min 3-1/2 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) o.c.
  - Gypsum Board - Nom 5/8 or 3/4 in. (13 or 16 mm) thick, 4 ft (122 cm) wide with square or lapped edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Maximum diameter of opening is 26 in. (660 mm).
- Through Penetrant** - One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm)(point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
  - Steel Pipe** - Nom 24 in. (610 mm) diameter (or smaller) Schedule 10 (or heavier) steel pipe.
  - Iron Pipe** - Nom 24 in. (610 mm) diameter (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diameter (or smaller) or class 50 (or heavier) ductile iron pressure pipe.
  - Conduit** - Nom 6 in (152 mm) diameter (or smaller) steel conduit or nom 4 in. (102 mm) diameter (or smaller) steel electrical metallic tubing.
  - Copper Tubing** - Nom 6 in (152 mm) diameter (or smaller) Type L (or heavier) copper tubing.
  - Copper Pipe** - Nom 6 in. (152 mm) diameter (or smaller) Regular (or heavier) copper pipe.
  - Through Penetrating Product** - Flexible Metal Piping - The following types of steel flexible metal gas piping may be used:
    - Nom 2 in. (51 mm) diameter (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.  
**OMEGA FLEX INC**
    - Nom 1 in. (25 mm) diameter (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.  
**TITIFLEX CORP**  
**A BUNDY CO**
    - Nom 1 in. (25mm) diameter (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.  
**WARD MFG INC**

NOTE:  
COORDINATE ALL PENETRATIONS WITH OWNERS ROOFER SO AS NOT TO VOID WARRANTY.  
  
MOUNT UNITS LEVEL TO ENSURE PROPER CONDENSATE DRAINING.  
  
ALL VENTING SHALL BE DONE THROUGH THE ROOF AND NOT THE BACK WALL.

**ROOF PLAN NOTES**

- SAND, PRIME AND PAINT EXISTING AND NEW EXPOSED GAS PIPING ON ROOF. (FEEDING PENN STATION ONLY) USE SAFETY YELLOW- OIL BASE.
- EXISTING ROOF PARAPETS ARE 42" MIN ABOVE ROOF AT THE REAR.

**ROOF PLAN KEYED NOTES**

- HINGE SIDE OF EXHAUST CURB.
- 

Max Pipe or Conduit Diameter in. (mm)	F Rating Hr.	T Rating Hr.
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+ When copper pipe is used, T Rating is 0 hr. \*Bearing the UL Classification Marking  
3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant.

**HVAC TEST & BALANCE SPECIFICATIONS**

ALL BALANCING IS CONTRACTED BY THE RESTAURANT OWNER AND PERFORMED BY OUR PREFERRED TAB FIRM - NATIONAL TAB. NATIONAL TAB ASSISTS THE OWNER IN THE BALANCING PROCESS FROM INITIAL PLANNING THRU DOCUMENTATION CLOSEOUT. ANY QUESTIONS, PLEASE CONTACT NATIONAL TAB AT (855)682-6822 EXT: 706 (JENNIFER) OR SUBMIT REQUEST TO BIDS@NATIONALTAB.COM

1.0 GENERAL REQUIREMENTS: TEST AND BALANCE (TAB) OVERVIEW IS A GENERAL GUIDELINE OF THE PROPER FLOW OF PLANNING & BALANCING OF THE SYSTEM. IT MANDATES ALL TRADES, OWNERS, CONSTRUCTION PERSONNEL, VENDORS & BALANCING FIRM PARTICIPANTS IN THE PROCESS. PLANNING ENSURES PREPAREDNESS, PROPER INSTALLATION, AND SYSTEM READINESS. BALANCING ENSURES FUNCTION & PERFORMANCE OF THE VENTILATION SYSTEM. THE SPECIFIC TRADE REQUIREMENTS ARE TO BE CARRIED OUT TO THEIR FULLEST EXTENT. EACH ASSIGNED TRADE WILL BE HELD ACCOUNTABLE. FINAL RETAINAGE (PAYMENT) IS NOT TO BE PAID BY THE OWNER UNTIL THE SPECIFIC TRADE REQUIREMENTS HAVE BEEN MET.

2.0 PHASE I (INITIAL PLANNING & REVIEW): PLANS & SUBMITTALS DISBURSED FOR REVIEW AND SCHEDULING. TAB PROCEDURES FINALIZED AND JOB READINESS CONFIRMED.  
2.1 OWNER RESPONSIBILITIES: DISTRIBUTE ALL PLANS / SUBMITTALS TO NATIONAL TAB AND PROVIDE THE REQUIRED OPENING DATES FOR THE RESTAURANT.  
2.2 GENERAL CONTRACTOR RESPONSIBILITIES: CONSTRUCT A JOB SCHEDULE BASED UPON OWNER REQUIREMENTS. DATA & SCHEDULES COLLECTED FROM ALL TRADES. COMMUNICATE THE INFORMATION TO NATIONAL TAB. OBTAIN THE PRELIMINARY FIELD CHECKLIST FROM THE BALANCING CO. MANAGE ALL TRADES TO ENSURE THEY COMPLETE & SIGN OFF ON THEIR REQUIREMENTS BEFORE THE BALANCER IS SCHEDULED TO PERFORM ON SITE WORK. ENSURE THE GENERAL CONDITION OF THE BUILDING IS SIGNED OFF BY THE JOB SUPERVISOR.  
2.3 NATIONAL TAB (BALANCING) RESPONSIBILITIES: REVIEW ANY PLANS & SUBMITTALS FOR ANY POSSIBLE DEFICIENCIES AND DISCREPANCIES IN DATA OR DRAWINGS. FINALIZE TAB START DATE WITH THE GENERAL CONTRACTOR AND THE PRELIMINARY CHECKLIST IS COMPLETED OR ACTION STEPS DOCUMENTED FOR ITEMS ON THE CHECKLIST THAT ARE NOT COMPLETED BEFORE EXECUTION OF BALANCING.

3.0 PHASE II (PRELIMINARY FIELD PROCEDURE): VERIFICATION OF SITE AND EQUIPMENT CONDITIONS. ANALYSIS OF PROPER INSTALLATION AND PERFORMANCE OF OPERATIONAL AND FUNCTIONAL TESTS.

- GENERAL CONTRACTOR RESPONSIBILITIES: ENSURE ALL REQUIRED TRADES ARE PRESENT OR READILY AVAILABLE FOR THE BALANCER'S INITIAL "WALK-THRU" & START-UP VERIFICATION. ENSURE ALL TRADES IMMEDIATELY FIX ANY ISSUE THAT THE BALANCER MAY UNCOVER DURING THE INITIAL "WALK-THRU" THAT MAY AFFECT EQUIPMENT PERFORMANCE.
- NATIONAL TAB (BALANCING) RESPONSIBILITIES: BALANCER TO PERFORM A "WALK-THRU" IMMEDIATELY UPON ARRIVAL. ALL REQUIRED TRADES ARE TO BE PRESENT DURING THIS PROCESS OR READILY AVAILABLE. THE BALANCER MUST INFORM THE REGIONAL MANAGER AND OWNER OF ANY DEFICIENCIES THAT THE BALANCER AND TRADES NEED RESOLVED BEFORE THE BALANCING IS COMPLETED. THE FOLLOWING GENERAL TASKS ARE TO BE PERFORMED:
  - VERIFICATION OF PROPER EQUIPMENT INSTALLED ON SITE.
  - VERIFICATION OF PROPER INSTALLATION OF MECHANICAL SYSTEMS.
  - START UP ALL EQUIPMENT TO ENSURE THAT IT WAS PROPERLY STARTED UP BY TRADES.
  - COORDINATE WITH SPECIFIC TRADES ANY DEFICIENCIES THAT NEED TO BE RESOLVED BEFORE INITIATING ANY BALANCING ON EACH SPECIFIC SYSTEM.
- BALANCING AND TESTING PROCEDURE: INITIATE & COMPLETE ALL REQUIRED BALANCING PROCEDURES AS STIPULATED FOR THE ACCOUNT.
  - NATIONAL TAB (BALANCING) RESPONSIBILITIES: INITIATE BALANCING OF THE SYSTEMS AS REQUIRED UNDER STRICT GUIDELINES SET FORTH UNDER NATIONAL TAB PROCEDURES & NEBB STANDARDS & PROCEDURES. ANY ISSUES THAT ARISE DURING THE BALANCING SHALL BE DISCUSSED EXCLUSIVELY OR INCLUSIVELY WITH THE GENERAL CONTRACTOR, OWNER / CONSTRUCTION MANAGER, AND THE NATIONAL TAB BALANCING MANAGER.
  - FINAL ON-SITE ANALYSIS & PERFORMANCE TEST: ENSURES PERFORMANCE AND COMFORT.
    - OWNER / GENERAL CONTRACTOR RESPONSIBILITIES: PROVIDE REPRESENTATIVE TO BE PRESENT FOR ALL FINAL TESTS (SMOKE, BUILDING, ETC.) THAT THE BALANCER WILL PERFORM. SIGN OFF ON TEST IF IT MEETS REQUIREMENTS. IF ANY DEFICIENCIES STILL REMAIN UPON THE COMPLETION OF THE BALANCING, COORDINATE WITH THE REQUIRED TRADE(S) AND OWNER TO RESOLVE THE ISSUE. IF THE BALANCER IS REQUIRED TO RETURN DUE TO THE DEFICIENCY, A FEE MAY BE ASSESSED. THE FEE SHOULD BE PASSED ON TO THE TRADE THAT WAS DEFICIENT DURING THE BALANCING OF THE SYSTEM.
    - NATIONAL TAB (BALANCING) RESPONSIBILITIES: PERFORM A KITCHEN HOOD SMOKE TEST AND BUILDING PRESSURE TEST WITNESSED BY THE OWNER AND/OR GENERAL CONTRACTOR. PERFORM A FINAL WALK-THRU TO ENSURE NO EXTREME CONDITIONS OCCUR DUE TO AIRFLOW MOVEMENTS. ANY DEFICIENCIES OR UNSATISFACTORY CONDITIONS NOTED BY PERSONNEL WITNESSING THE TEST SHALL BE RESOLVED & RETESTED. IF FINAL ADJUSTMENTS ARE REQUIRED THAT ARE NOT WITHIN 10% OF DESIGN CRITERIA TO ENSURE EFFECTIVENESS OR COMFORT, CONTACT OWNER AND/OR MANAGING MEMBER FOR FURTHER EXECUTION. FINALIZE & SUBMIT FINAL DOCUMENTS FOR FINAL TAB SUPERVISOR REVIEW.
      - NATIONAL TAB TO ENSURE THERMOSTATS ARE PROGRAMMED AS FOLLOWS:  
OCCUPIED TIME: 8:00AM TO 10:00PM UNOCCUPIED TIME: 10:00PM TO 8:00AM  
OCCUPIED MODE: FANS ON, HEATING TEMP SET POINT: 68 COOLING TEMP SET POINT: 70  
UNOCCUPIED MODE: FANS AUTO, HEATING TEMP SET POINT: 65 COOLING TEMP SET POINT: 73

4.0 PHASE III (FINAL DOCUMENTATION & CLOSEOUT): SUBMISSION AND APPROVAL OF BALANCE WORK.  
4.1 OWNER RESPONSIBILITIES: ASSIST WITH THE EXECUTION OF RESOLUTION OF ITEMS NOT RESOLVED DURING BALANCING.  
4.2 NATIONAL TAB (BALANCING) RESPONSIBILITIES: ENSURE BALANCER DOCUMENTATION HAS BEEN SUBMITTED FOR MANAGEMENT & OWNER REVIEW IN A TIMELY FASHION. VERIFY COMPLETENESS OF BALANCING REPORT & DEFICIENCIES. IF ANY BALANCING ISSUES ARE UNCOVERED BY THE MANAGEMENT TEAM DURING REVIEW, IT WILL REQUIRE THE BALANCER TO PROVIDE RESOLUTION.

**HOOD ACCESSORIES**

- HA-1 SIDE PANELS, WRAPPER & SENSOR FOR GRILL HOOD
- HA-2 SENSOR FOR OVEN HOOD
- HA-3 SIDE PANELS, WRAPPER & SENSOR FOR FRYER HOOD
- HA-4 DUCT WRAPPERS / CHANNELS FOR OVEN EXHAUST

SEE HOOD OPTIONS 1, 2, 3, 4 ON SHEET H.10

**REQUIRED TESTING**

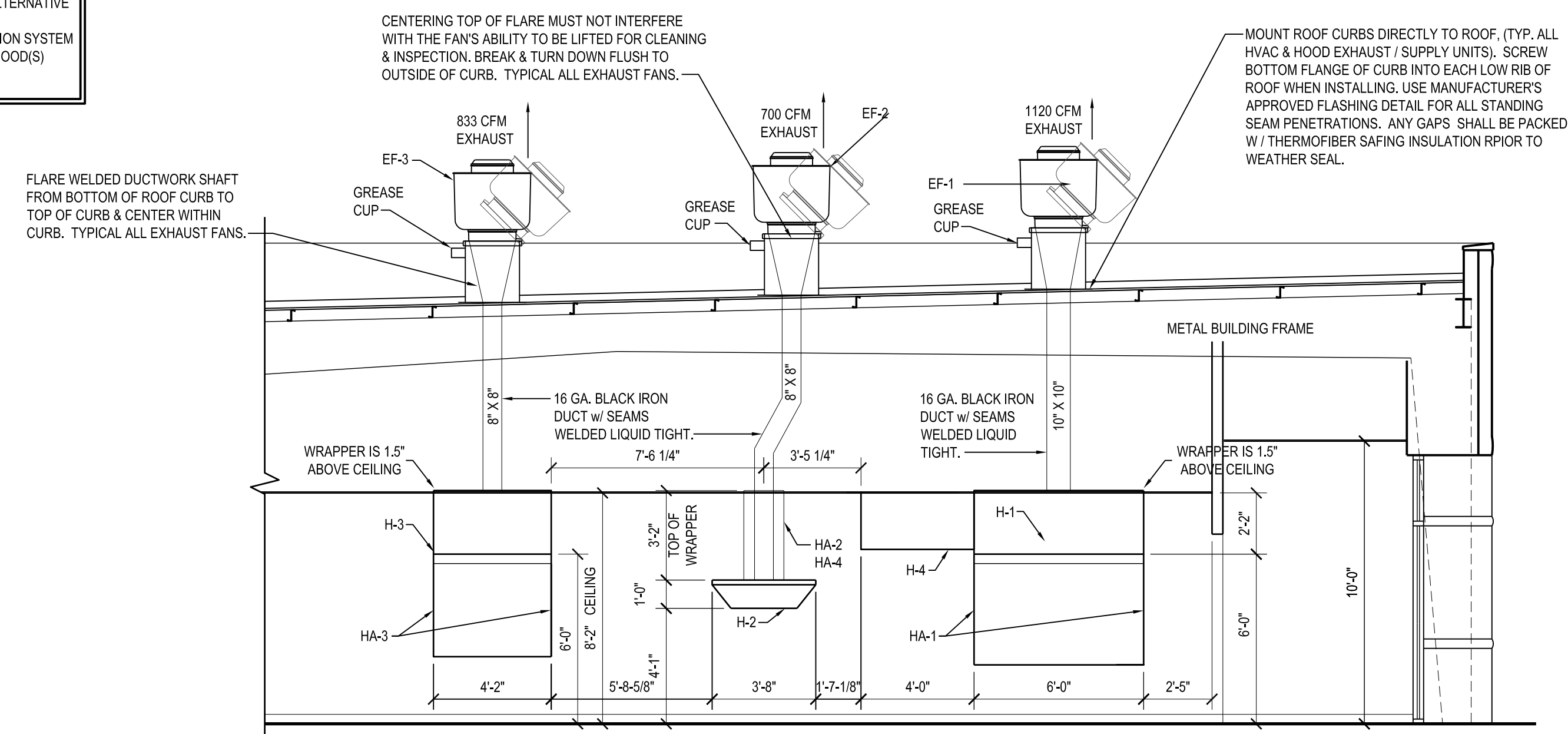
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- A PUFF TEST IS REQUIRED ON THE KITCHEN SUPPRESSION SYSTEM
- AN AIR-CAPTURE TEST IS REQUIRED ON THE KITCHEN HOOD(S)
- A TEST AND BALANCE REPORT IS REQUIRED

**FAN SCHEDULE**

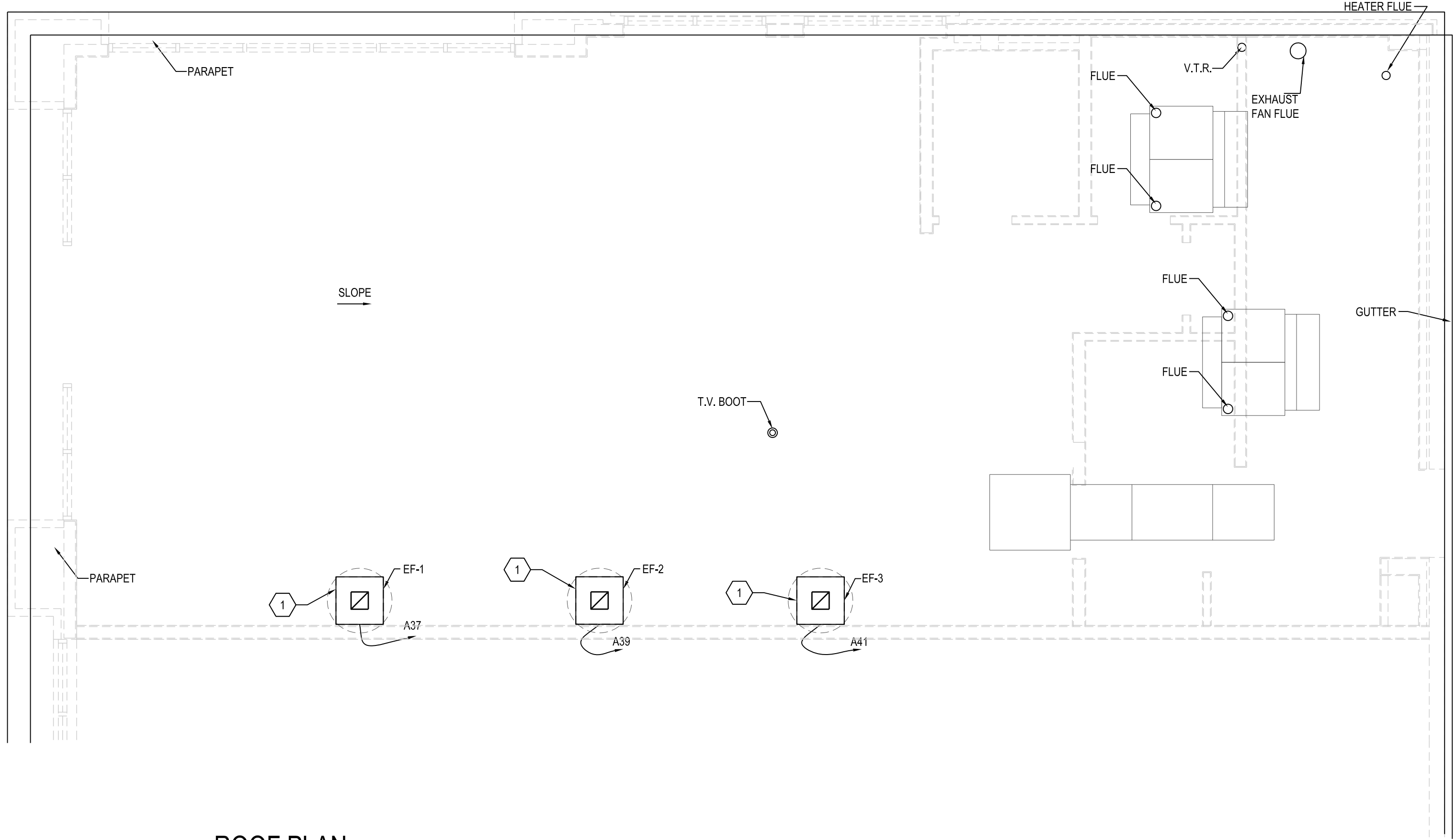
ITEM NO.	QTY	DESCRIPTION	MANUFACTURER	MODEL #	ELECTRICAL			EXHAUST CFM	SUPPLY CFM	GAS SIZE	AMT	SIZE (W x D x H)	NOTES	ITEM NO.	BY
					VOLT	PH	LOAD								
EF-1	1	GRIDDLE FAN	CAPTIVE-AIRE	DU8SHFA	115	1Ø	8.8 AMP/ 3/4 hp	1120				33 3/4" DIA. x 30 1/2" + CURB	REFER TO H.2	EF-1	*
EF-2	1	OVEN FAN	CAPTIVE-AIRE	DU3SHFA	115	1Ø	4.4 AMP/ 1/3 hp	700				33 3/4" DIA. x 30 1/2" + CURB	REFER TO H.2	EF-2	*
EF-3	1	FRYER FAN	CAPTIVE-AIRE	DU50HFA	115	1Ø	5.6 AMP/ 1/2 hp	833				33 3/4" DIA. x 30 1/2" + CURB	REFER TO H.2	EF-3	*
EF-4	0	GRIDDLE & OVEN FAN	CAPTIVE-AIRE	NGM14HFA	208	3Ø	4.0 AMP/ 1 hp	3650				33 3/4" DIA. x 30 1/2" + CURB	REFER TO H.2	EF-4	*
SF-1	1	HEATED MAKE-UP AIR UNIT	CAPTIVE-AIRE	A1-D.250 15D	208	3Ø	3.1 AMP/ 1.0 hp		1580	1"	112,508 btu	27 3/8" x 74 7/16" x 27 3/8"	REFER TO H.2	SF-1	*

FAN SCHEDULE CODES:  
\* = PROVIDE BY EC / INSTALLED BY GC

NOTE:  
SEE CAPTIVEAIRE SHOP DWGS (H-SHEETS) FOR DETAILED INSTALLATION INFORMATION REGARDING HOODS AND EXHAUST FANS.



**EXHAUST DETAIL**  
NO SCALE



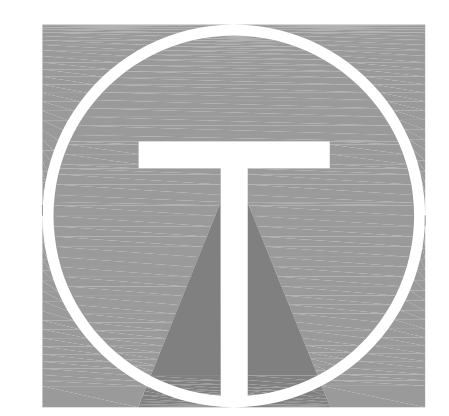
**ROOF PLAN**  
1/4"=1'-0" FAI = FRESH AIR INLET

NOTE: REFER TO ROOF FRAMING PLAN SHEET A4.1 FOR DIMENSIONS TO CURBS.

NOTE: PROPERLY SUPPORT ALL VENTING THROUGH ROOF BY SECURING TO JOISTS IN THE JOIST CAVITY. PREVENT ANY DUCT / FLUE MOVEMENT SO AS TO PREVENT MOVEMENT @ ROOF MEMBRANE.

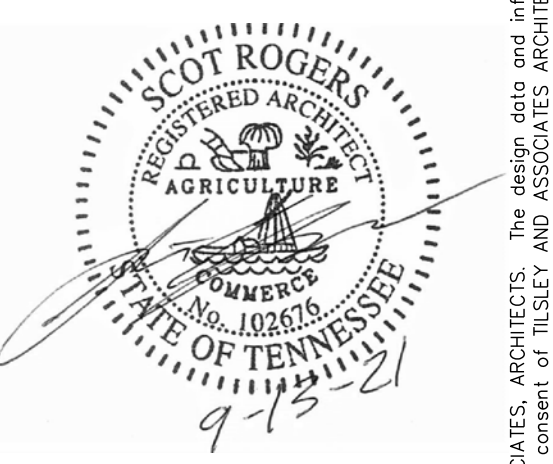
NOTE: ALL LEADERS LABELED WITH AN "M" (I.E. A37) INDICATES THAT THERE ARE MORE ITEMS ON THAT CIRCUIT. SEE PANEL NOTES.

NOTE: SEE CAPTIVEAIRE SHOP DWGS FOR DETAIL INFORMATION REGARDING HOODS AND EXHAUST FANS.



**TILSLEY ARCHITECTS**  
1140 SAINT GREGORY ST. CINCINNATI, OH 45202  
TEL: 513.631.4300  
WWW.TILSLEYARCHITECTS.COM

**A New Penn Station Restaurant**  
Creekside Center  
346 South Cumberland St.  
Lebanon, TN 37087



No. Revision

Sheet Title: **Roof Plan & Details**

Issued: 9-13-2021

Scale: As Noted

Drawn: S. Rogers

21031 PS Lebanon, TN

M2.0





PLUMBING EQUIPMENT SCHEDULE = BLUE													
ITEM NO.	QTY	DESCRIPTION	MANUFR	MODEL #	FINISH	ELECTRICAL	WATER	WASTE	GAS	SIZE	NOTES	ITEM NO.	BY
						VOLTI PH	HW	CW	DIR	INDIR	SIZE		
P-1	1	SMALL HAND SINK	ADVANCE	7-P6-29	GC		1/2"	1/2"			12" x 16" x 5" 0"		P-1
P-2	1	MOP SINK	MUSTEE	63M			1/2"	1/2"	3"		24" x 24" x 10"		P-2
P-3	1	MOP SINK WALL FAUCET	T&S BRASS	B-0665-BSTP	CHROME		1/2"	1/2"			CENTER FAUCET OVER SINK	FLOW RESTRICTOR - 1GPM	P-3
P-4	1	WATER HEATER	A.O. SMITH	GDHE-75			3/4"	3/4"		12"	100,000 btu	PROVIDE 30" 0 PAN w/ DRAIN	P-4
P-5	1	EXPANSION TANK	AMTROL	ST-12-C			3/4"	3/4"			12" 0 x 15.58" TALL		P-5
P-6	1	NSF 3 COMP SINK	KTI	ECS-3-2D	SS		1/2"	1/2"	3"		84" x 26" x 41" + 18" backsplash	SPLASH MOUNTED T&S FAUCET INCLUDED, Bowls = 20" x 16" x 11" D	P-6
P-7	1	3 COMP SINK FAUCET	T&S BRASS	B-0231	CHROME		1/2"	1/2"			CENTER FAUCET OVER SINK	FLOW RESTRICTOR - 1GPM	P-7
P-8	1	3 COMP SINK WALL FAUCET	T&S BRASS	B-0665-BSTR	CHROME		1/2"	1/2"			CENTER FAUCET OVER SINK	FLOW RESTRICTOR - 1GPM	P-8
P-9	1	NSF PREP SINK	KTI	ECS-1DR	SS		1/2"	1/2"	3"		37" x 26" x 41" + 18" backsplash	SPLASH MOUNTED T&S FAUCET INCLUDED, Bowls = 20" x 16" x 11" D	P-9
P-10	1	PREP SINK FAUCET	T&S BRASS	B-0232	CHROME		1/2"	1/2"			CENTER FAUCET OVER SINK	FLOW RESTRICTOR - 1GPM	P-10
P-11	1	PREP SINK WALL FAUCET	T&S BRASS	B-0232	CHROME		1/2"	1/2"			CENTER FAUCET OVER SINK	FLOW RESTRICTOR - 1GPM	P-11
P-12	1	HAND SINK	ADVANCE	7-PS-66	SS		1/2"	1/2"			17" x 15 1/4" x 5" 7 3/4"	INCLUDES FAUCET & BUILT-IN SPLASH GUARDS, 0.5 GPM	P-12
P-13	2	WATER CLOSET - LEFT HAND	MANFIELD	137-3173LH	PORCELAIN		1/2"	1/2"			20" x 29 1/4" x 31 1/4"	PROVIDE SPLIT-FRONT TOILET SEAT, 1.28gpf model	P-13
P-14	2	WATER CLOSET - RIGHT HAND	MANFIELD	137-3173RH	PORCELAIN		1/2"	1/2"			20" x 29 1/4" x 31 1/4"	PROVIDE SPLIT-FRONT TOILET SEAT, 1.28gpf model	P-14
P-15	1	URINAL	KOHLER	BARDON K-4991-ET	PORCELAIN		3/4"	3/4"			18" x 12 3/8" x 28"	0.125 GAL. FLUSH, MOUNT AT 17" ABOVE FINISHED FLOOR TO LIP.	P-15
P-16	1	URINAL VALVE ASSEMBLY	SLOAN		CHROME						3/4"	LOCATE CENTERLINE OF SUPPLY ROUGH-IN @ 47" A.F.F.	P-16
P-17	2	LAVATORY	MANFIELD	2018 HB-NS-4"	PORCELAIN						22" WIDE x 18 1/2" x 12"	PROVIDE ZURN Z-1231 or WADE W-520 CONCEALED ARM CARRIER.	P-17
P-18	2	LAVATORY FAUCET	DELTA	901-DST	CHROME		1/2"	1/2"			22" WIDE x 18 1/2" x 12"	SINGLE LEVER VANITY FAUCET, 0.5GPM	P-18
P-19	1	GREASE TRAP (50 # CAPACITY)	ENPOCO	GR10-25	EPOXY					3"	19 1/4" x 27 1/4" x 18 1/4"	SIZE IN ACCORDANCE WITH LOCAL CODES. PLUMBER MUST CONFIRM.	P-19
P-20	1	SPECIAL HAND SINK	JOHN BOOS	PBS-ADA-P-STD	SS		1/2"	1/2"			22" x 24 1/2" x 24 1/2"	INCLUDES FAUCET, SOAP DISP, TOWEL DISP.	P-20
P-21	1	BACKFLOW PREVENTER	ZURN WILKINS	975-XL2	BRONZE						1"	EXISTING BUILDING UNIT, INSPECT, VERIFY IF TENANT NEEDS SEPARATE ONE.	P-21

1. IN CASE OF BACK TO BACK LAVATORY CONDITION, USE A 'BACK-TO-BACK' OR 'DOUBLE' CARRIER ARM. NOTE: ALL HAND SINKS & PUBLIC LAVATORIES MUST HAVE LEVER HANDLE CONTROLS MEETING ANSI / ADAAG.

PLUMBING ACCESSORY EQUIPMENT SCHEDULE = BLUE													
ITEM NO.	QTY	DESCRIPTION	MANUFR	MODEL #	FINISH	ELECTRICAL	WATER	WASTE	GAS	SIZE	NOTES	ITEM NO.	BY
						VOLTI PH	HW	CW	DIR	INDIR	SIZE		
PA-1	3	SOAP DISPENSER	SAN JAMAR	S307BK							5 1/4" x 5 1/4" x 8 5/8"		PA-1
PA-2	3	HAND SANITIZER	GOJO	NKT space saver 2130-06							4 3/4" x 4" x 9 1/2"	PROVIDED BY ALLIANT FOOD SERVICE	PA-2
PA-3	3	TOWEL DISPENSER	CASCADES	10105	PLASTIC						10 3/4" x 8 1/2" x 10 3/4"		PA-3
PA-4	1	WATER HEATER STAND	HoldRite	QuickStand 40-S-24J	SS						24 x 24 x 16	WWW.HOLDRIGHT.COM, QUICKSTAND, REFER TO A.10	PA-4
PA-5	1	WATER FILTER SYSTEM	EVERPURE	EV9330-42		120	10				25.8" x 6.74" x 25.59"	HIGH FLOW CSR TRIPLE-MC SYSTEM, REFER TO DETAIL THIS SHEET & A.10	PA-5
PA-6	1	HOT WATER FILTER	EVERPURE	EV9100-91							5 1/2" x 5 1/2" x 12 1/2"	HFC-10 SYSTEM, REFER TO DETAIL THIS SHEET & A.10	PA-6
PA-7	2	18" GRAB BAR - VERTICAL	BOBRICK	B-6806 x 18	SATIN						11/2" 0 x 18" LONG	REFER TO A7.0	PA-7
PA-8	1	TRASH CAN	BRADLEY	344	SS						15 1/8" x 8 3/4" x 28 5/8"	REFER TO A7.0 RECESSED IN WALL / PROJECTS 4 J, SEE 10/A10.0	PA-8
PA-9	2	36" GRAB BAR	BOBRICK	B-6806 x 36	SATIN						11/2" 0 x 36" LONG	REFER TO A7.0	PA-9
PA-10	2	42" GRAB BAR	BOBRICK	B-6806 x 42	SATIN						11/2" 0 x 42" LONG	REFER TO A7.0	PA-10
PA-11	2	MIRROR	BOBRICK	B-290 24 36	SS						24" x 36" x 3/4"	USE 3/4" SS FRAME w/ CONCEALED FASTENERS, REFER TO A7.0	PA-11
PA-12	2	TOILET TISSUE DISPENSER	CASCADES	4259	PLASTIC						11 7/8" x 5 3/4" x 14.6"	REFER TO A7.0	PA-12
PA-13	2	WARDROBE HOOK	IVES	581-826D	SATIN						1" x 1-11/16" x 1-7/16"	INSTALL ON RESTROOM SIDE OF DOOR, REFER TO A7.0	PA-13
PA-14	2	48" BRAIDED METAL HOSE	EASTMAN	98503							OR EQUAL	OR EQUAL	PA-14
PA-15	2	3/4" MALE TO 3/4" MALE COUPLER	WATTS	A680							OR EQUAL	OR EQUAL	PA-15
PA-16	2	HEAVY DUTY HOSE SPRAYER	GILMORE	1323GF							OR EQUAL	OR EQUAL	PA-16

EQUIPMENT SCHEDULE CODES: P = PLUMBER, EC = EQUIPMENT CONTRACTOR, GC = GENERAL CONTRACTOR, \* = PROVIDED BY EC INSTALLED BY GC, # = PROVIDED BY U.S. FOOD / INSTALLED BY GC, O = PROVIDED BY OWNER

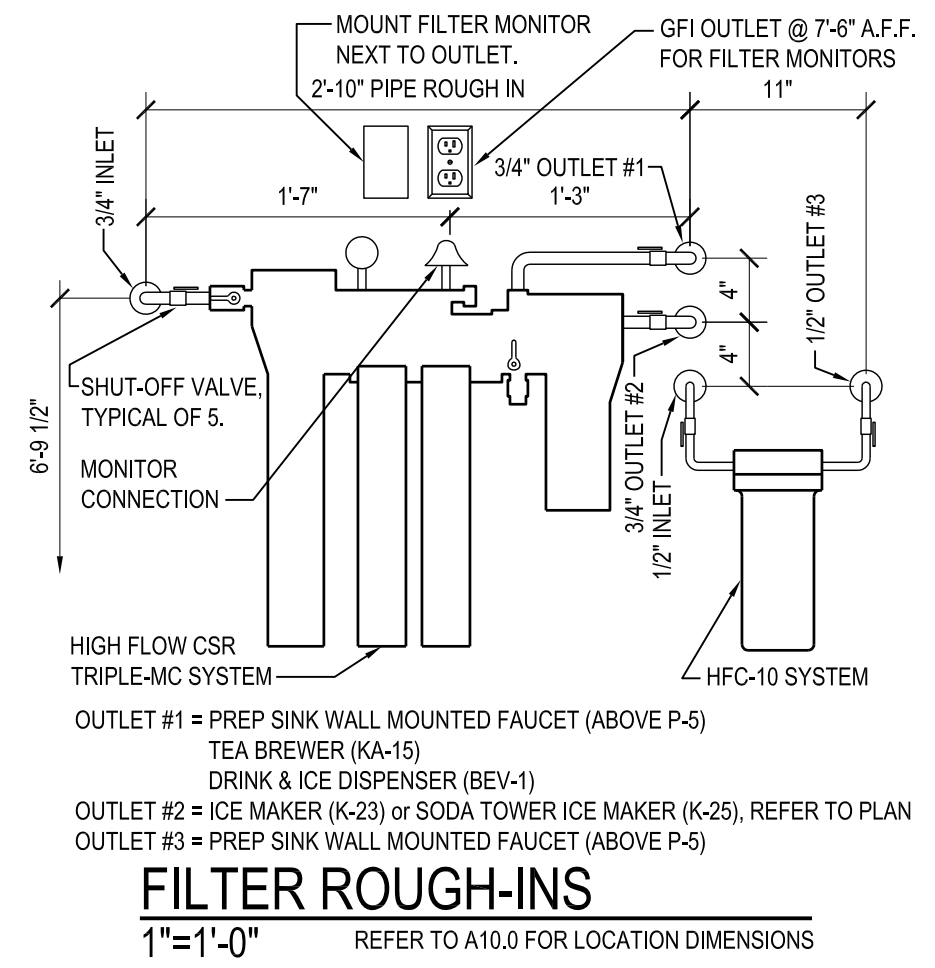
NOTE: EQUIPMENT PROVIDED BY EC WILL BE COLOR CODED PER THE FOLLOWING: K' ITEMS = RED, KA' ITEMS = YELLOW, S' ITEMS = GREEN, P' ITEMS = BLUE

### PLUMBING GENERAL NOTES

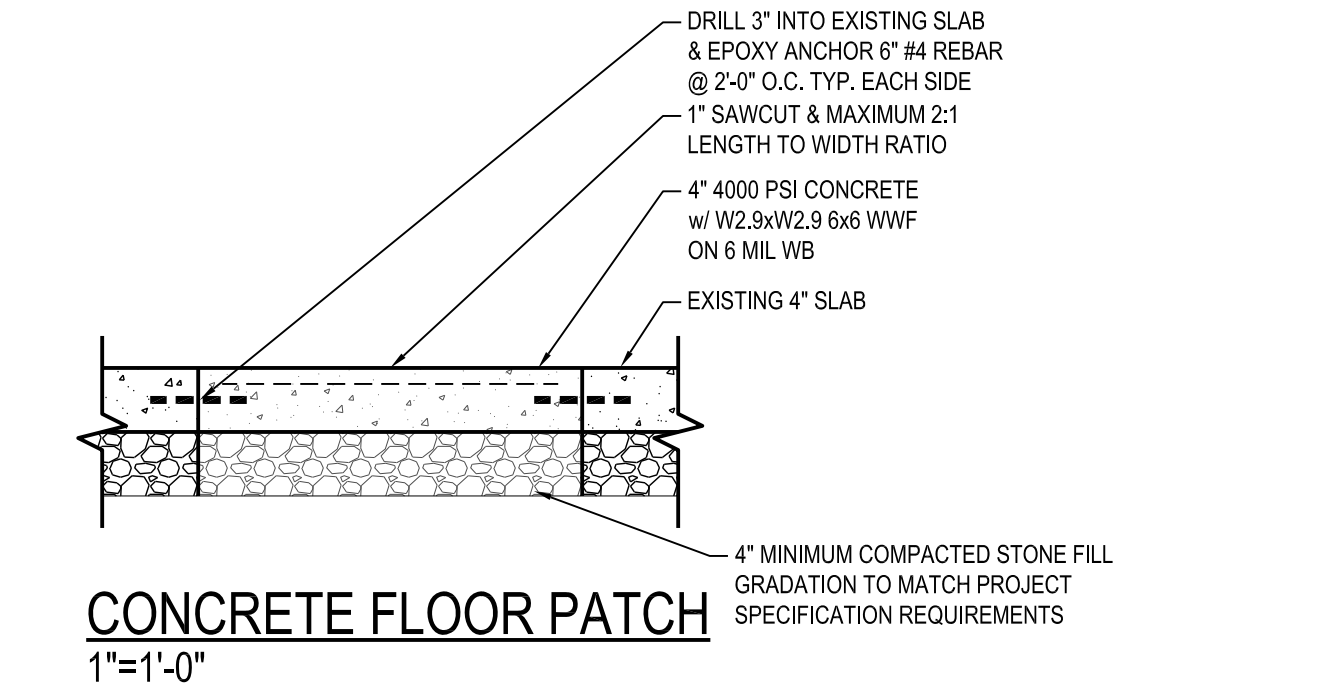
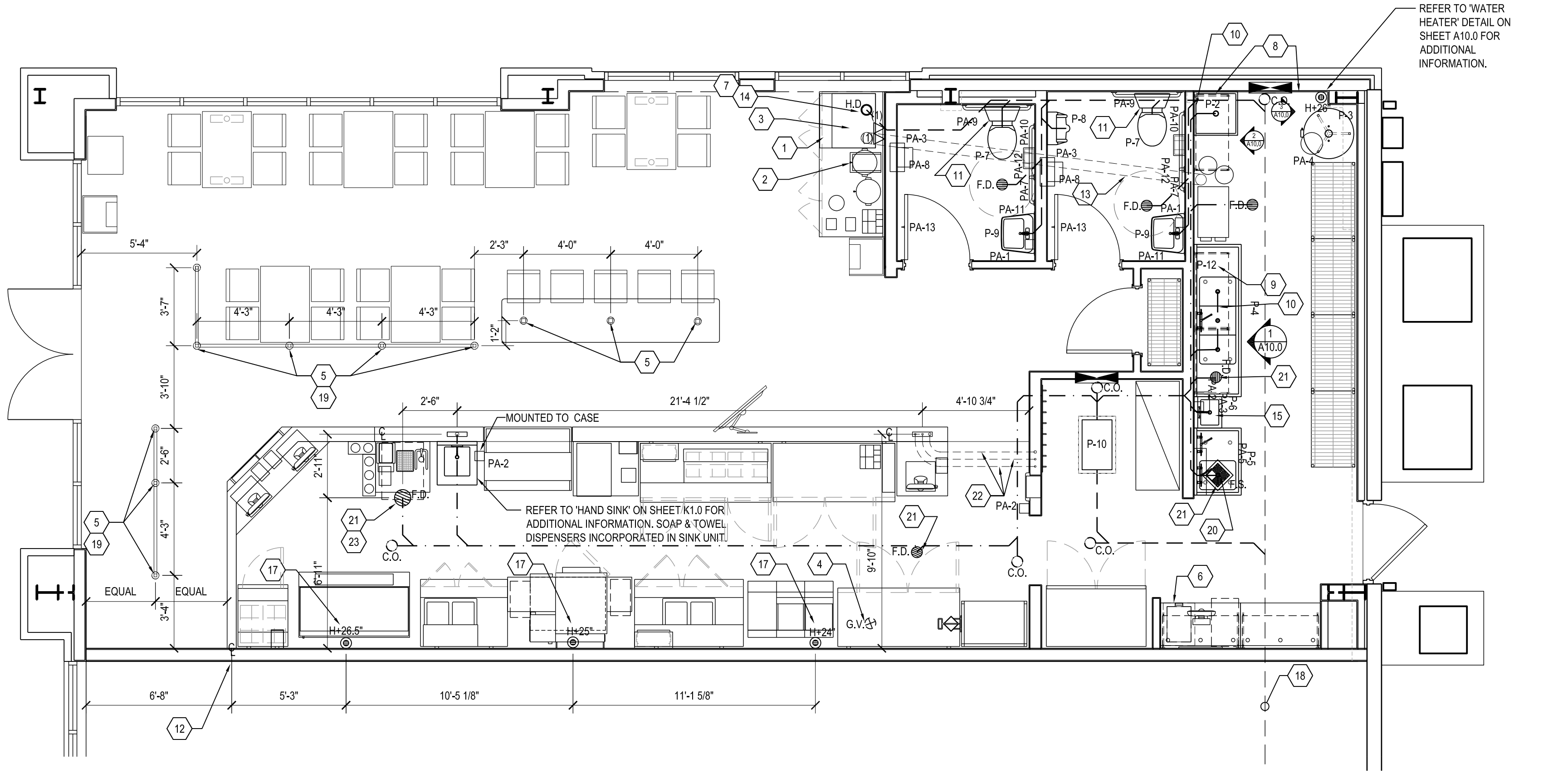
- WATER HEATER: SET TEMPERATURE SO HOT WATER @ PREP SINK = 130°.
- GREASE TRAP: ALLOW ORDERING TIME. INSTALL FLUSH w/ FINISHED FLOOR OR PAVING.
- HOSE BIBB: FREEZE PROOF THROUGH THE WALL UNIT WITH KEY VALVE HANDLE.
- VENT LINES: MINIMUM VERTICAL CLEARANCE BELOW ALL LATERAL VENT LINES SHALL BE 10'-6" TO FINISHED FLOOR OR JUST BELOW TOP CHORD OF TRUSS, WHICHEVER IS LOWER. EXCEPTION, VENT LINES IN DEMISING WALL MUST EXIT THAT WALL INTO TENANT CEILING SPACE AS SOON AS POSSIBLE.
- CENTERLINE OF ALL PIPING PENETRATING WALLS TO BE MIN. 9" A.F.F. UNLESS NOTED OTHERWISE.
- PAINT ALL EXPOSED GAS PIPING AND METER TO MATCH EXTERIOR WALL. VERIFY WITH UTILITY CO. USE OIL BASE PAINT.
- TROWEL SURFACE OF CONCRETE FLOOR SLAB TO SLOPE TOWARD ALL FLOOR DRAINS / SINKS IN PREP AREA AT REAR OF SPACE, EXCEPT FLOOR DRAINS LOCATED IN SERVING AREA. FROM A 12" RADIUS, SLOPE FLOOR SURFACE DOWN 3/4" TO DRAIN / SINK. FEATHER EDGES INTO SURROUNDING SLAB. SLOPE QUARRY TILE INTO ALL FLOOR DRAINS / SINKS AS WELL. TOP OF DRAIN/RATE = 1/8" BELOW TOP OF QUARRY TILE.
- PROVIDE FLOOR SINK @ PREP SINK. SIOUX CHIEF: #861-3PX (9X9X6) PVC SQUARE FLOOR SINK w/ 6" SUMP, ALUMINUM DOME STRAINER & 1/2 PVC TOP GRATE. SET FLOOR SINK INTO CONC. FLOOR AND LAY QUARRY TILE UP TO EDGE OF SINK. 1/8" ABOVE TOP OF GRATE. FILLING GAPS BETWEEN SINK AND TILE WITH GROUT. (ALTERNATE: WADE WFS-120-H w/ DOME STRAINER)
- PROVIDE ESCUTCHEON PLATES AT ALL MECHANICAL, PLUMBING AND ELECTRICAL WALL PENETRATIONS. CAULK INTO POSITION, SEALING ALL GAPS OR OPENINGS.
- NO PIPING, WIRE, CONDUIT, ETC. SHALL BE EXPOSED MORE THAN THE MINIMUM REQUIRED TO INSTALL PROPER FITTINGS AND ESCUTCHEON PLATES.
- PROVIDE TEMPERING VALVES @ EACH HAND SINK & LAVATORY. SET OUTLET TEMPERATURE AT 110° MAX AT ALL HAND SINKS.
- ALL FLOOR DRAINS & CLEANOUTS ARE OF SOLID BRASS/BRONZE CONSTRUCTION AND MUST BE ADJUSTABLE. SET CLEANOUTS FLUSH w/ FINISHED FLOOR. SET FLOOR DRAINS 1/16" BELOW FINISHED FLOOR. SIZE = 4" dia. NOMINAL, UNLESS NOTED OTHERWISE. U.N.O., KEEP FLOOR DRAIN 18" FROM WALL.
- ALL HAND SINKS & PUBLIC LAVATORIES MUST HAVE LEVER HANDLE CONTROLS MEETING ACCESSIBILITY STANDARDS PER ICC A117.1-2009 & 2010 ADAAG.
- UNPLUGGING A DEVICE CONSTITUTES A "MEANS OF DISCONNECT" WHEN WORKING ON DEVICE.
- COLD WATER FILTER: THE ONLY TO ICE MACHINE. PEPSI MACHINE AND UPPER PREP SINK FAUCET. MOUNT ON BRACKET ATTACHED TO WALL. MOUNT ABOVE PREP SINK AND PROVIDE STOPS AT BOTH SIDES OF FILTER ASSEMBLY. SEPARATE WATER LINES TO ICE MACHINE / SODA DISPENSER AND PREP SINK PER DETAILS THIS SHEET. MANUFACTURER: EVERPURE #9272-00 HFC-10. REPLACEMENT CARTRIDGES: 9612-01.
- HOT WATER FILTER: THE ONLY TO FILTERED FAUCET ABOVE PREP SINK. MOUNT ON BRACKET ATTACHED TO WALL. MOUNT ABOVE PREP SINK AND PROVIDE STOPS AT BOTH SIDES OF FILTER ASSEMBLY PER DETAIL THIS SHEET. MANUFACTURER: EVERPURE #9272-00 HFC-10. REPLACEMENT CARTRIDGES: 9612-01.
- GENERAL CONTRACTOR: FAUCET @ MOP SINK BY GC TO BE T&S BRASS MODEL NO. B-0665-BSTR (ROUGH CHROME PLATED FINISH), SUPPLIED & INSTALLED BY GC. FAUCET ABOVE PREP SINK BY EC TO BE T&S BRASS MODEL NO. B-0232 w/ 980X 8" SWIVEL NOZZEL, INSTALLED BY G.C. WALL HUNG FAUCET @ 3-COMP SINK BY EC TO BE T&S BRASS MODEL NO. B-0665-BSTR (ROUGH CHROME PLATED FINISH), INSTALLED BY GC.
- BACKFLOW PREVENTION ASSEMBLY: ZURN WILKINS MODEL 975XL2.
- SUPPORT VENT PIPES AS THEY EXIT THE ROOF W/ BRACE(S) IN TRUSS CAVITY.

### PLUMBING PLAN DRAWING NOTES

- DRINK & ICE DISPENSER (BEV-1) BACKFLOW PREVENTION = WATTS 98D BACKFLOW PREVENTER WATER SUPPLY = 18" A.F.F., 1'-0" FINISHED FROM CORNER
- TEA BREWER (KA-15) BACKFLOW PREVENTION = WATTS 98D BACKFLOW PREVENTER WATER SUPPLY = 18" A.F.F., 2'-6" FINISHED FROM CORNER
- SODA TOWER ICE MAKER (K-25) BACKFLOW PREVENTION = WATTS 98D BACKFLOW PREVENTER WATER SUPPLY = 78" A.F.F., 2'-6" FINISHED FROM CORNER
- INSTALL ANSUL GAS SHUT-OFF VALVE IN CEILING BETWEEN 9'-0" & 10'-0" A.F.F. FOR ACCESSIBILITY. VALVE BY HOOD SUPPLIER, INSTALLED BY GC. IF LOCAL OFFICIALS REQUIRE VALVE TO BE VISIBLE, LOOP PIPING TO POSITION VALVE JUST BELOW CEILING TO REAR SIDE OF HOOD. VERIFY WITH LOCAL OFFICIALS.
- CORED FLOOR PENETRATION REQUIRED IN ADDITION TO PLUMBING LINES. 4" 0 MAXIMUM CORE. REFER TO A4.0 & A9.0. AFTER CORE DRILLING, MAKE A CONCRETE PLUG BELOW SLAB, MINIMUM 6" THICK, THEN SET ANGLE OR COUNTERTOP POST.
- ANCHOR SAFE TO FLOOR. USE SS FASTENERS & GROUT TO FLOOR.
- STRAP ICE MAKER RELIEF TUBE TO BIN DRAIN. POSITION BOTH OVER HUB DRAIN.
- RUN PRESSURE RELIEF TUBE & PAN DRAIN THRU WALL AND STUB OUT OVER MOP SINK.
- BACKFLOW PREVENTER & SHUT-OFF VALVE LOCATION. VERIFY IF NEEDED IN STRIP CENTER CONDITION. MAIN SYSTEM MAY BE COVERED. ZURN WILKINS MODEL 975XL2 F REED.
- FRANCHISEE TO PURCHASE 3/4" MALE TO 3/4" MALE COUPLER (WATTS A-60 LOWES SKU 34766), 4' BRAIDED METAL HOSE (EASTMAN 98503 LOWES SKU 0246987) AND HEAVY DUTY GARDEN HOSE SPRAYER (GILMORE 1323GF LOWES SKU 62326).
- FLUSH CONTROL MUST BE MOUNTED ON OPEN SIDE OF TOILET AREA.
- CENTERLINE OF ELECTRIC, PHONE & CPU FEEDS TO PREFABRICATED SERVING COUNTER. HEIGHTS OF CONNECTIONS: ELECTRIC = 18" A.F.F., PHONE & CPU = 24" A.F.F.
- 6" PVC SODA SLEEVE FROM 12" A.F.F. @ SODA SHELVING RUN UNDER SLAB AND STUBBED UP 6" A.F.F. UNDER BEVERAGE TABLE. USE ONLY 45° FITTINGS, NO 90°. SEAL OFF OPENINGS AFTER INSTALLATION OF SODA LINES. MODIFY BOTTOM SHELF OF BEVERAGE TABLE AS REQUIRED TO ACCESS SODA LINES.
- LOCATE HUB DRAIN BELOW BEVERAGE TABLE AS SHOWN. TOP = 4" A.F.F., - 10" TO CENTER OF DRAIN FROM CORNER.
- HAND SINK EQUIPPED W/ SPLASH GUARDS, BOTH SIDES.
- SPLASH GUARD @ MOP SINK - 3'-0" TALL - PROJECT 3/4" FROM WALL FOLDED EDGES. ANCHOR TO FLOOR AND WALL - SHOP DRAWINGS REQUIRED FROM PREFAB MANUFACTURER PRIOR TO FABRICATION
- REFER TO GAS PIPING ROUGH DETAIL 12/ A6.0
- APPROXIMATE LOCATION OF THE EXISTING 4" SANITARY LINE. CONTRACTOR TO VERIFY BEFORE CONSTRUCTION AND REPORT EXACT LOCATION, IF IT REQUIRES DRAWING REVISIONS.
- RAILING SECTION. COORDINATE WITH OWNER & A6.0 DETAILS TO VERIFY POST SPACING.
- PROVIDE 2" GAP AT PREP SINK INDIRECT DRAIN.
- INSTALL FLOOR DRAINS IN COOK LINE AND PREP AREAS FLUSH WITH FINISHED FLOOR.
- CATV / TELEPHONE / ELECTRIC IN UNDER SLAB CONDUITS. 1" FOR CATV & TELE, 1 1/2" FOR ELEC. STUB UP FROM SLAB AT CENTERLINE OF SERVING WALL. SPACE AS FAR APART AS POSSIBLE. CONNECT TO JUNCTION BOXES INSIDE WALL. SEE NOTE #12 FOR HEIGHTS.
- FLOOR DRAIN AT THIS LOCATION SHALL HAVE A 9" dia TOP GRATING.



**NOTE:**  
FLUSH THE POTABLE WATER SUPPLY SYSTEM PREVIOUS TO FINAL CONNECTION OF EQUIPMENT.



**CONCRETE FLOOR PATCH**  
1"=1'-0"

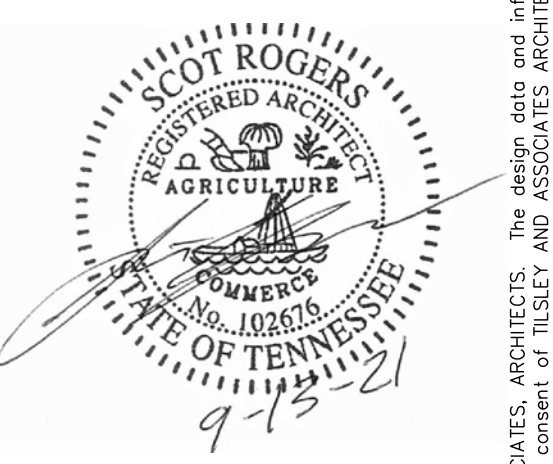
### PLUMBING PLAN

1/4"=1'-0" NORTH

REFER TO RESTROOM ELEVATIONS ON DRAWING A7.0 FOR PLUMBING FIXTURE DIMENSIONS AND ACCESSORY DETAILS.

KEY	
NEW SANITARY	---
EXISTING SANITARY	---
NEW SANITARY GREASE	---
EXISTING SANITARY GREASE	---

**A New Penn Station Restaurant**  
Creekside Center  
346 South Cumberland St.  
Lebanon, TN 37087



No. Revision

Sheet Title  
**Plumbing Plan**

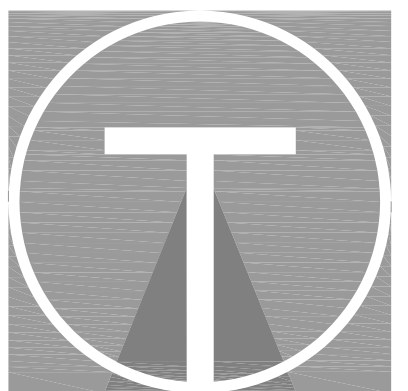
Issued 9-13-2021

Scale As Noted

Drawn S. Rogers

21031 PS Lebanon, TN





TILSLEY ARCHITECTS

1140 SAINT GREGORY ST. CINCINNATI, OH 45202  
TEL: 513.651.4300  
WWW.TILSLEYARCHITECTS.COM

HOOD INFORMATION - Job#4137855

Table with columns: HOOD NO., TAG, MODEL, LENGTH, MAX. COOKING TEMP., APPLIANCE DUTY, DESIGN CFM/ft, TOTAL EXH. CFM, EXHAUST PLENUM RISER(S) (WIDTH, LENG., HEIGHT, DIA., CFM, VEL., S.P.), TOTAL SUPPLY CFM, HOOD CONSTRUCTION, HOOD CONFIG. END TO END, ROW.

FOR QUESTIONS, CALL THE CAPTIVE-AIRE (TRI-STATE) OFFICE  
1329 E. KEMPER RD., SUITE 4210  
PHONE: (513) 860-5555  
joe.hertenstein@captiveaire.com

HOOD INFORMATION

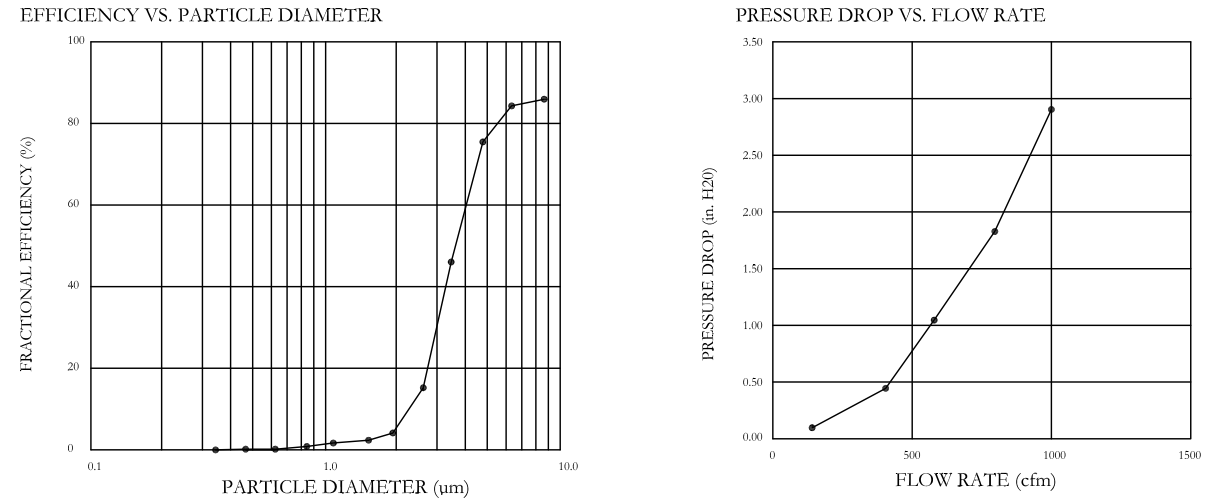
Table with columns: HOOD NO., TAG, TYPE, QTY, HEIGHT, LENGTH, EFFICIENCY @ 7 MICRONS, QTY., LIGHT(S) TYPE, WIRE GUARD, LOCATION, SIZE, UTILITY CABINET(S) FIRE SYSTEM, ELECTRICAL, SWITCHES, FIRE SYSTEM PIPING, HOOD HANGING WGT.

HOOD OPTIONS

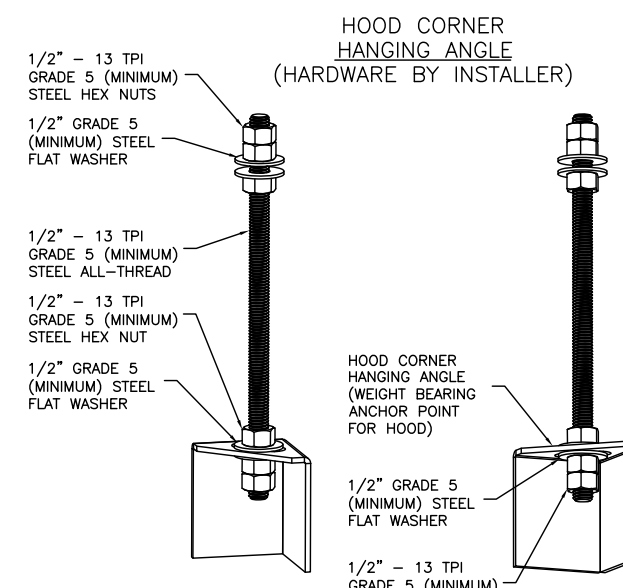
Table with columns: HOOD NO., TAG, OPTION, FIELD WRAPPER, BACKSPLASH, RIGHT QUARTER END PANEL, LEFT QUARTER END PANEL, SENSOR-CV.

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO 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).



CAPTIVE AIR FILTERS ARE BUILT IN COMPLIANCE WITH: NFPA #96, NSF STANDARD #2, UL STANDARD #1046, INT. MECH. CODE (IMC), ULC-5649.



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

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH UL 710 AND NFPA 96 AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:  
ETL SANITATION LISTED  
ETL LISTED FILE# 3054804-001

HOOD SYSTEM IS FABRICATED & DESIGNED PER UL-710 STANDARDS

GENERAL WIRING COMPONENTS ONLY (MUST READ ALL DETAILED DIRECTIONS ON THE CAPTIVE-AIRE ELECTRICAL DWG SHEET PROVIDED)

PERFORATED SUPPLY PLENUM(S)

Table with columns: HOOD NO., TAG, POS., LENGTH, WIDTH, HEIGHT, TYPE, RISER(S) (WIDTH, LENG., DIA., CFM, S.P.).

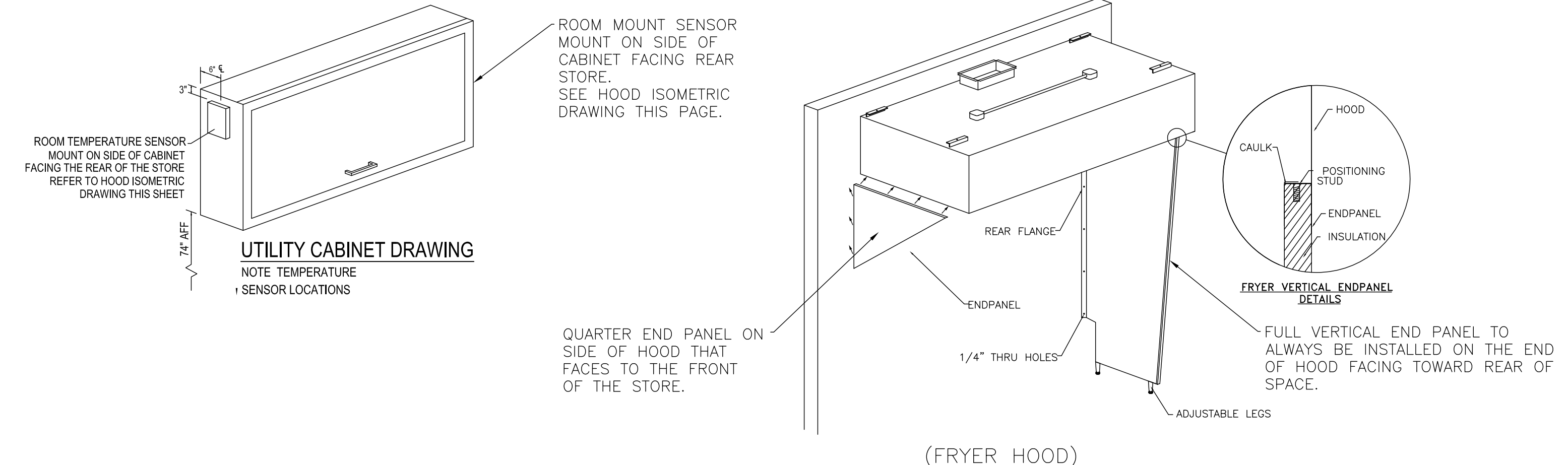
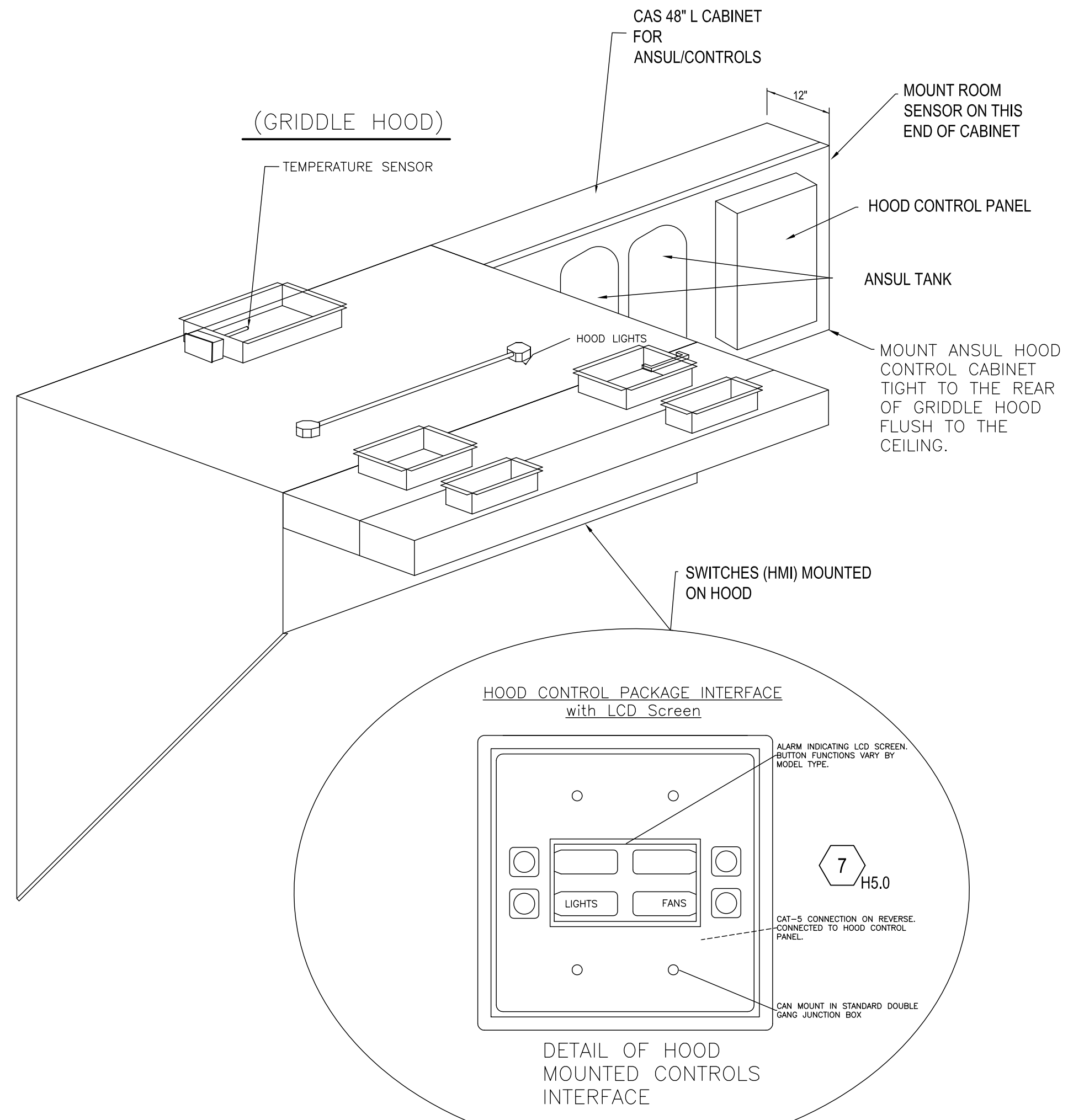
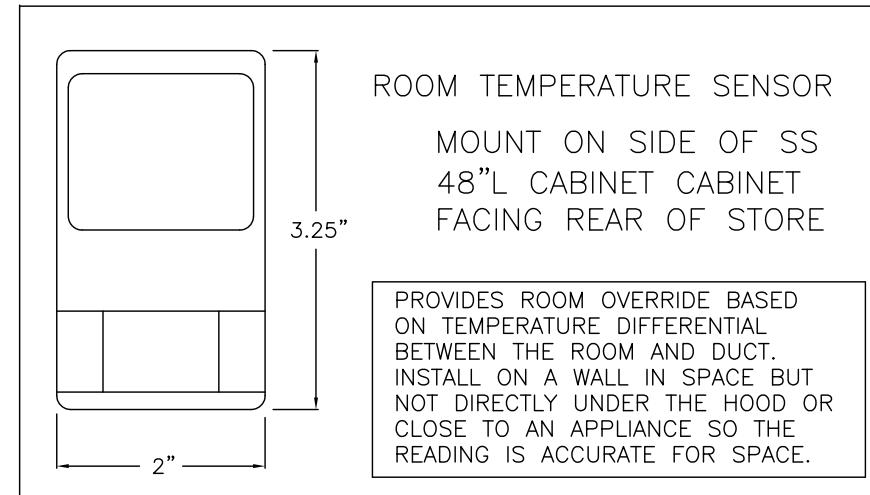
Fire System Information - Job#3592923

Table with columns: FIRE SYSTEM NO., Tag, TYPE, SIZE, FLOW POINTS, INSTALLATION SYSTEM, LOCATION ON HOOD.

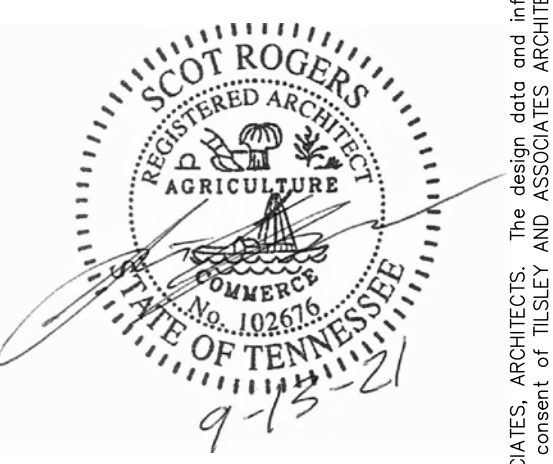
GAS VALVE(S)

Table with columns: FIRE SYSTEM NO., TAG, TYPE, SIZE, SUPPLIED BY.

LOCATED IN 48"L X24"H 12"T SS CABINET MOUNTED NEXT TO GRILL HOOD



A New Penn Station Restaurant  
Creekside Center  
346 South Cumberland St.  
Lebanon, TN 37087

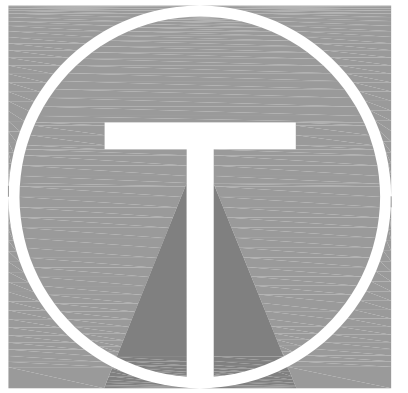


Revision table with columns: No., Revision, Description.

H1.0







TILSLEY ARCHITECTS

1140 SAINT GREGORY ST. CINCINNATI, OH 45202  
TEL. 513.851.4300  
WWW.TILSLEYARCHITECTS.COM

COILS - JOB#5023348

Table with columns: FAN UNIT NO, TAG, COIL TYPE, DESIGN CFM, COOLING (ENTERING DB TEMP, ENTERING WB TEMP, LEAVING DB TEMP, LEAVING WB TEMP, ENTERING FLUID TEMP, LEAVING FLUID TEMP, FLUID FLOW RATE, PERCENT GLYCOL, TOTAL CAPACITY, SENSIBLE CAPACITY, LATENT CAPACITY)

CAS FIRED MAKE-UP AIR UNIT(S)

Table with columns: FAN UNIT NO, TAG, INPUT BTUs, OUTPUT BTUs, TEMP RISE, REQUIRED INPUT GAS PRESSURE, GAS TYPE, BURNER EFFICIENCY(%)

CONDENSER DETAILS

Table with columns: FAN UNIT NO, TAG, FAN UNIT MODEL #, CONDENSER NO, TONNAGE, VOLTAGE, PHASE, FREQUENCY, MCA, RLA, MAX FUSE SIZE, MIN WIRE SIZE, SEER

MUA FAN INFORMATION - JOB#5023348

Table with columns: FAN UNIT NO, TAG, QTY, FAN UNIT MODEL #, BLOWER, HOUSING, MIN CFM, DESIGN CFM, ESP, RPM, MOTOR ENCL, HP, BHP, PHASE, VOLT, FLA, MCA, MOC, WEIGHT (LBS), SONES

FAN #4 A1-D.250-15D-MPU - HEATER (HMUA1)

- 1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 15" MIXED FLOW DIRECT DRIVE FAN.
2. V-BANK EZ FILTERS - INDOOR.
3. SIDE DISCHARGE - AIR FLOW LEFT -> RIGHT.
4. MOTORIZED BACK DRAFT DAMPER 16" X 18" FOR SIZE 1 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, TFB120S ACTUATOR INCLUDED.
5. LOW FIRE START. ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
6. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
7. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE.
8. 3 TON, SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 DF/EH MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE, R410A REFRIGERANT, AND REFRIGERANT PIPING. (1,100 TO 1,800 CFM) WHEN ORDERED WITH OPPOSITE AIRFLOW CONDENSERS ACCESS AND COIL PIPING WILL REMAIN IN STANDARD POSITION. DRAIN AND SLEDS WILL MOVE TO THE OPPOSITE SIDE. ANY OTHER CHANGE WILL REQUIRE CLI. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION. COIL = 2EZ1001N.
9. "INSULATION" FOR V-BANK INTAKE OPTION.
10. INDOOR HANGING CRADLE FOR THE SIZE 1 DIRECT FIRED UNIT. 2 HSA125 HANGING ISOLATORS PER UNI-STRUT INCLUDED.
11. MOUNT MOTOR AND CONTROLS ON OPPOSITE SIDE OF HEATER.
12. UNIT MOUNTED VFD FOR USE WITH ECPM03.
13. SHIP CONDENSER LOOSE. THE REFRIGERATION LINES WILL NEED TO BE STUBBED OUT 12 INCHES. THE SUCTION LINE NEEDS TO BE INSULATED INSIDE THE COIL MODULE. ROTARY DISCONNECT SHOULD NOT BE INSTALLED ON THE POST, BLANK POST SHOULD BE USED IN PLACE.
14. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/MPU SECTION).
15. 2 YEAR PARTS WARRANTY.

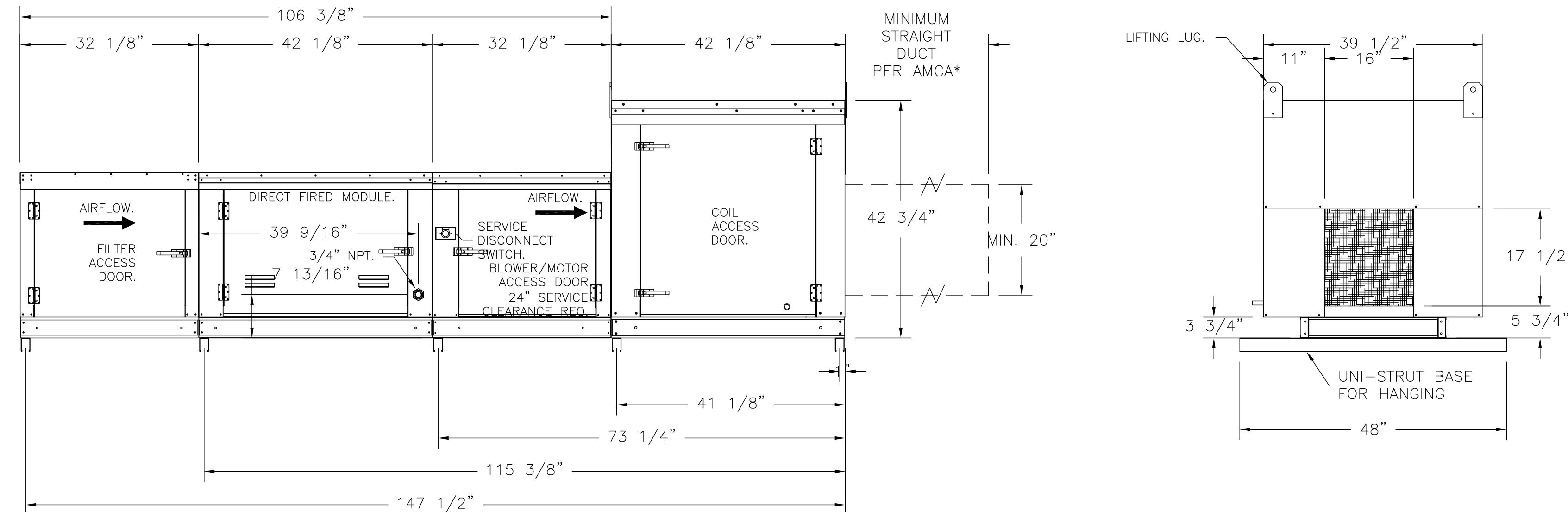
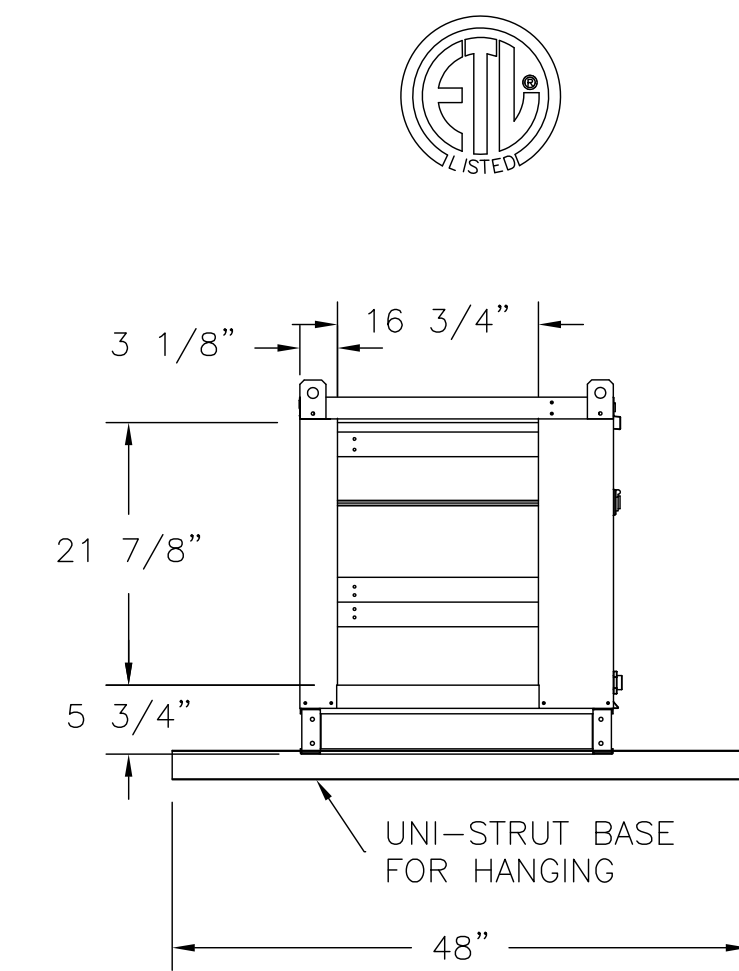
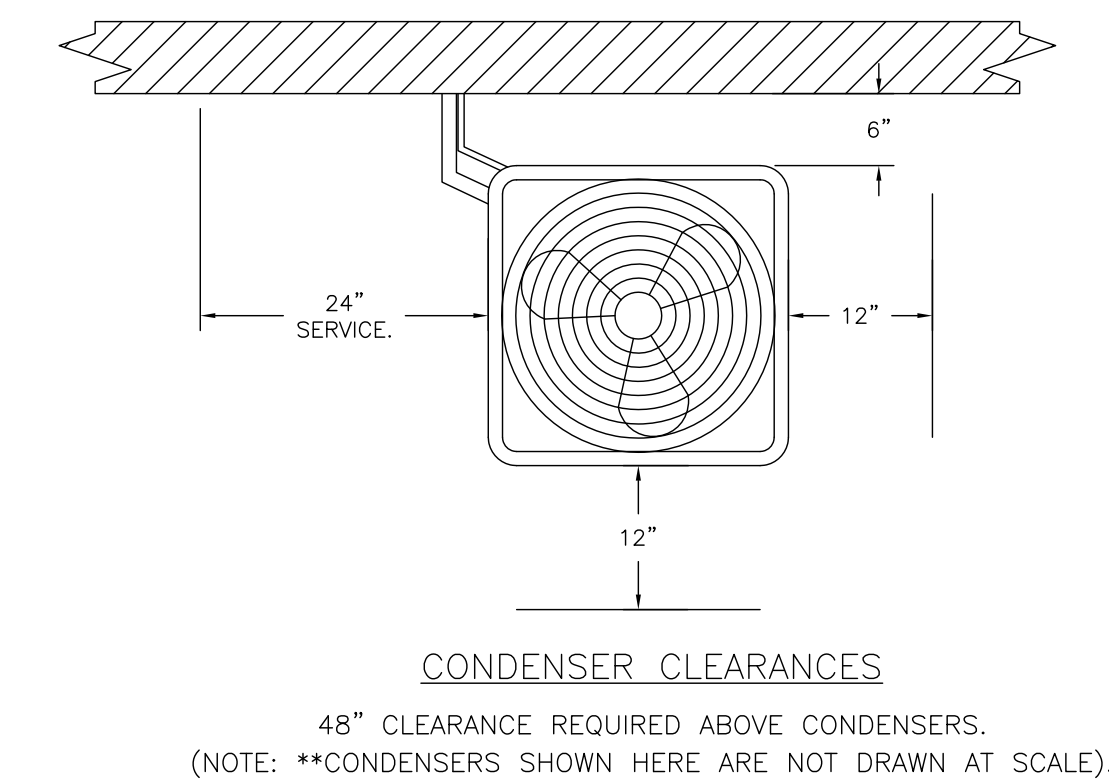
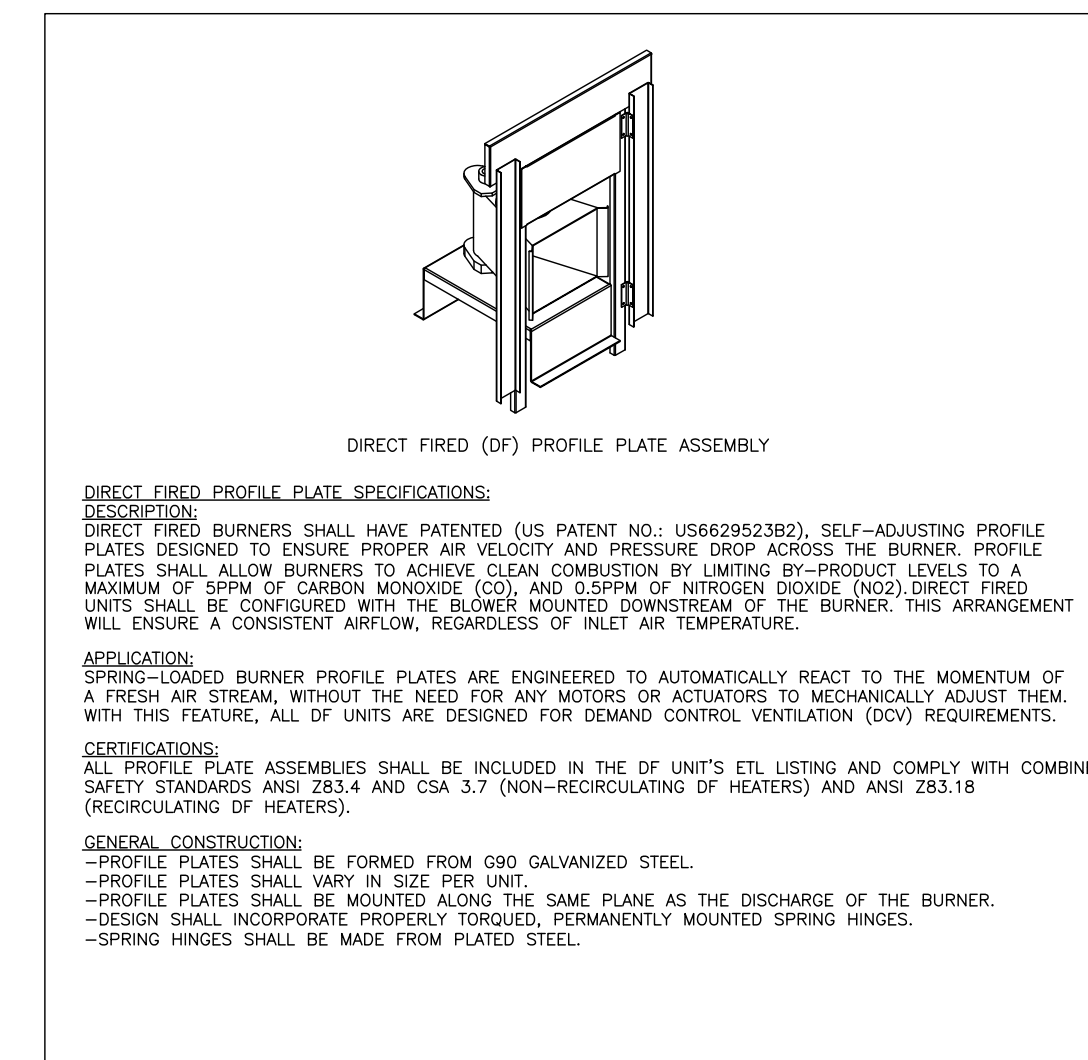
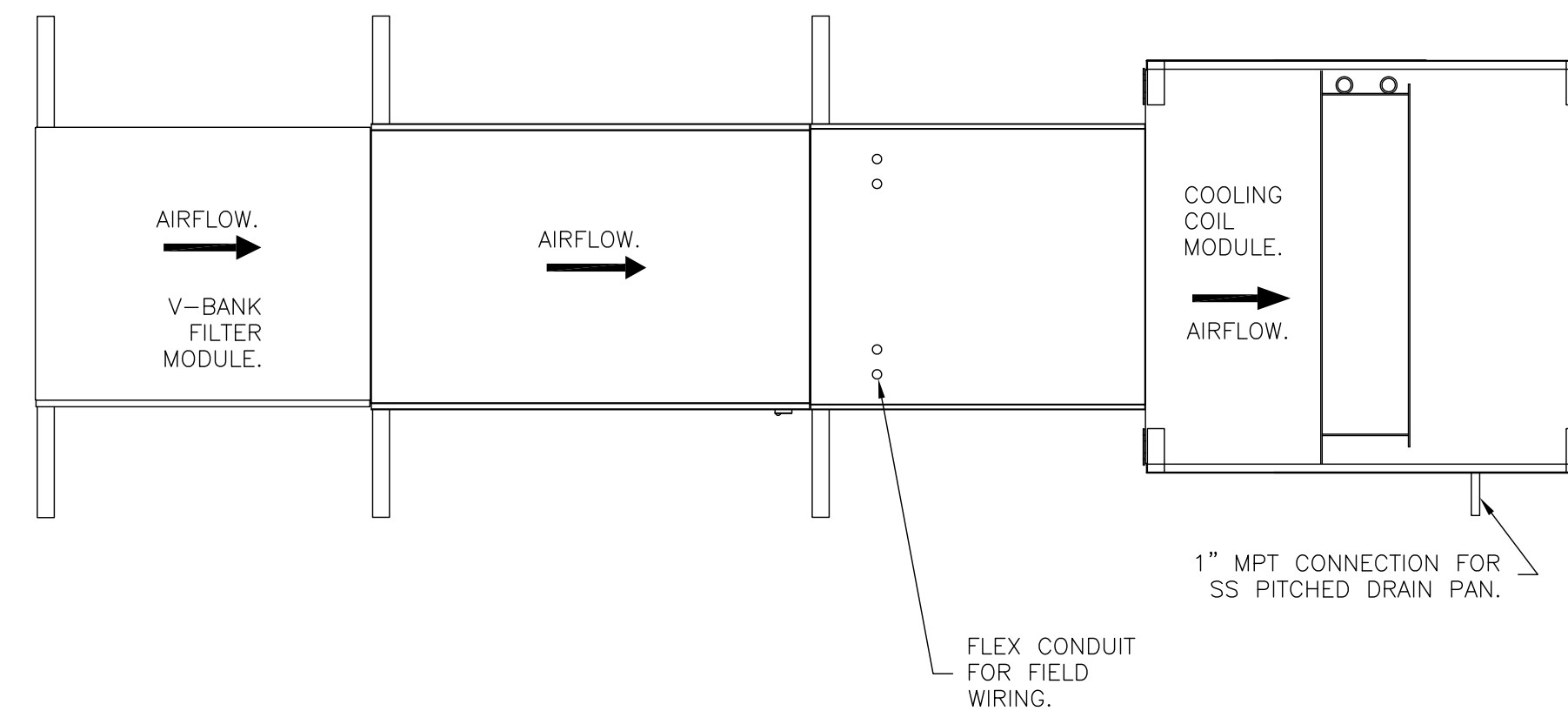
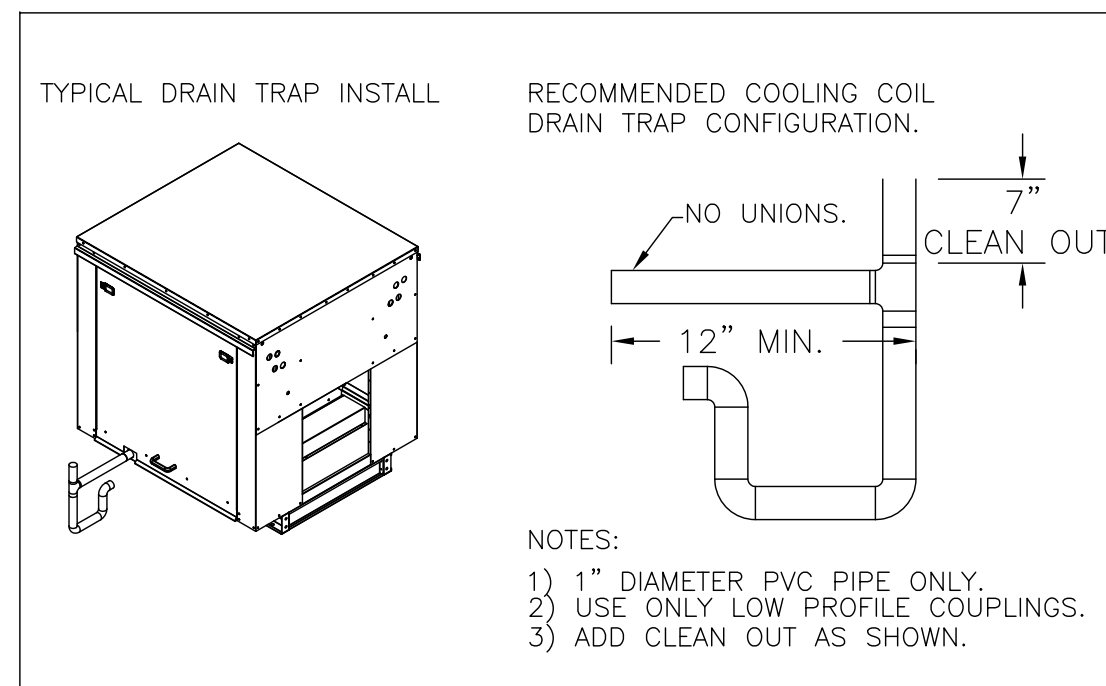
\*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" x 20".

FAN OPTIONS

Table with columns: FAN UNIT NO, TAG, QTY, DESCRIPTION

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 12°F. TEMP. RISE = 63°F. BTUs CALCULATED OFF ACTUAL AIR DENSITY. OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 106343. INPUT BTUs AT ALTITUDE OF 0.0 FT. = 115590. OUTPUT BTUs AT ALTITUDE OF 746 FT. = 103507. INPUT BTUs AT ALTITUDE OF 746 FT. = 112508.



FOR QUESTIONS, CALL THE CAPTIVE-AIRE (TRI-STATE) OFFICE 1329 E. KEMPER RD. SUITE 4210 PHONE: (513) 860-5555 joe.hertenstein@captiveaire.com

A New Penn Station Restaurant Creekside Center 346 South Cumberland St. Lebanon, TN 37087

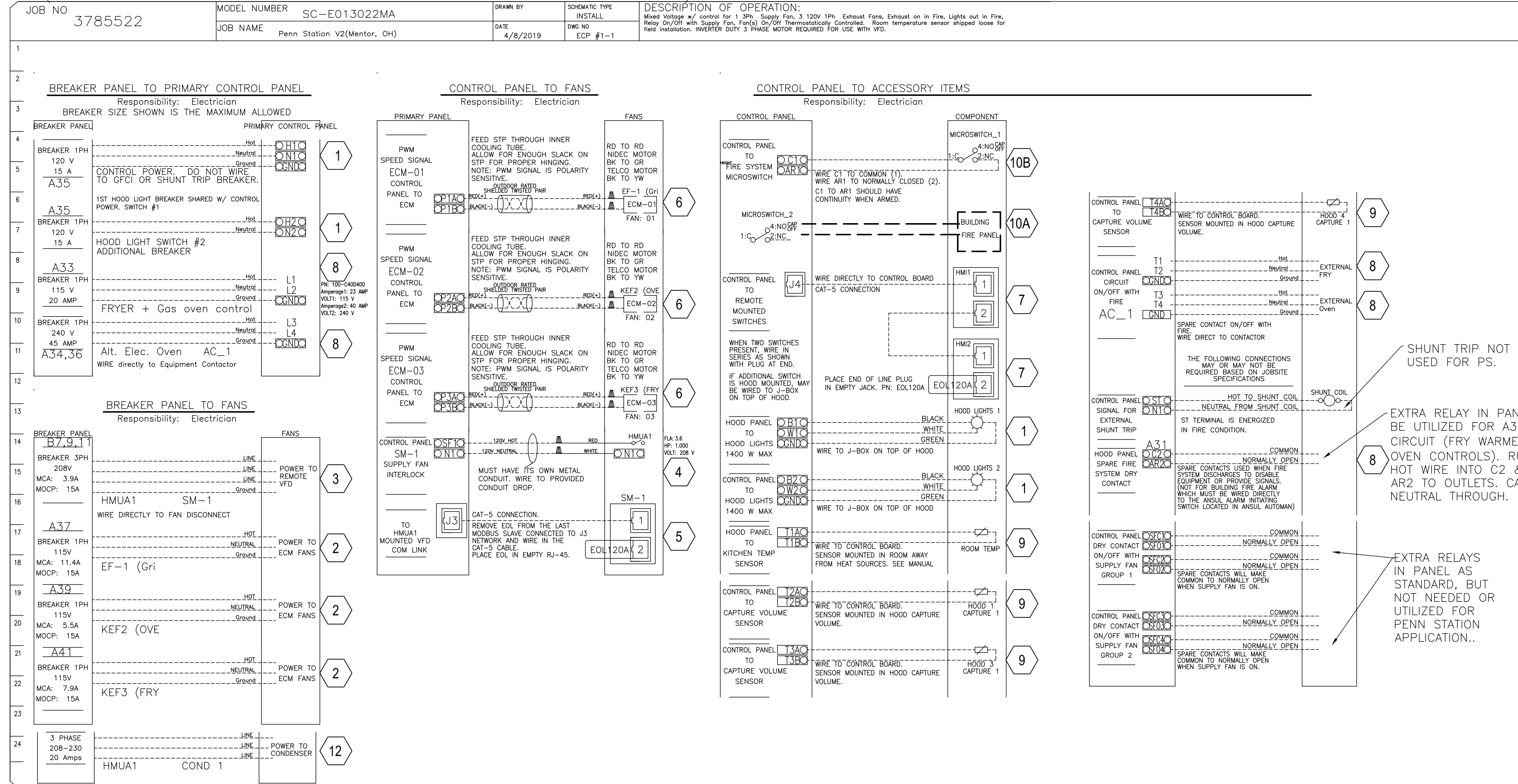


Revision table and drawing information including sheet title, date, scale, and drawing status.

**ELECTRICAL PACKAGE - Job#4137855**

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	φ	H.P.	VOLT	FLA
1	ECP1	SC-E013022MA	Wall Utility Cabinet Right	O2 - Face Mount Right Side of Hood	2 Light	Smart Controls Thermostatic Control w/ Relay On/Off with Supply	EF-1 (Grill)	Exhaust	1	0.750	115	8.9
				Hood # 1	2 Fan		KEF2 (OVEN)	Exhaust	1	0.333	115	4.3
							KEF3 (FRY)	Exhaust	1	0.750	115	8.8
							HMU1	Supply	3	1.5	208	4.4

**(HOOD CONTROL PANEL-MOUNTED NEXT TO GRIDDLE HOOD)**



**HOOD SYSTEM WIRING INSTRUCTIONS BY ELECTRICIAN**

- 1) WIRE 120V, 1 PHASE CIRCUIT FROM BUILDING PANEL TO HOOD CONTROL PANEL TO BE USED FOR CONTROLS & LIGHT CIRCUIT.
- 2) WIRE 120V, 1 PHASE CIRCUITS FROM BUILDING PANEL TO EACH EXHAUST FAN (SEPARATELY) TO CAPTIVE-AIRE SUPPLIED FAN EXTERNAL DISCONNECTS (TYPICAL OF ALL EXHAUST FANS).
- 3) WIRE 208V, 3 PHASE CIRCUIT FROM BUILDING PANEL TO MAKE UP AIR FAN & TIE INTO WHIP OFF DISCONNECT SWITCH WITH GROUND.
- 4) WIRE 120V, 1 PHASE CIRCUIT FROM SF1 & N1 OF CONTROL PANEL TO THE RED & WHITE WIRE ON MAKE UP AIR FOR HEATER CONTROLS.
- 5) USING THE CAT5 CABLE SUPPLIED BY CAPTIVE-AIRE, WIRE FROM J3 PLUG AT CONTROL PANEL TO LEFT SIDE OF VFD IN MAKE UP AIR UNIT.
- 6) THERE IS A RED & BLACK PAIR OF TWISTED WEATHERPROOF WIRE ALREADY FACTORY CONNECTED TO EACH MOTOR OF EACH EXHAUST FAN LOCATED UNDER THE FAN HOUSING LID. RUN EACH WIRE THROUGH MOTOR BREATHER TUBE & THEN DOWN TO HOOD CONTROL PANEL NEXT TO GRIDDLE HOOD. TIE EACH ONE INTO P#A & P#B RESPECTIVELY FOR EACH FAN AS SHOWN ON SCHEMATIC TO THE LEFT.
- 7) WIRE THE CAT5 CABLE SUPPLIED BY CAPTIVE AIRE FROM J4 PLUG TO THE JUNCTION BOX LOCATED ON TOP OF THE GRILL HOOD & PLUG IN FOR GRILL HD SWITCH (HMI-1). THEN WIRE THE OTHER CAT5 CABLE FROM THE GRILL HOOD JUNCTION BOX TO THE FRY HOOD JUNCTION BOX ON TOP OF HOOD & PLUG INTO J PLUG FOR THE FRY HOOD SWITCH (HMI-2). YOU ARE WIRING THE SWITCHES TO THE PANEL IN SERIES. SEE H1.0, H2.0
- 8) WIRE THE 120V 1 PHASE FRYER(S)/WARMER CIRCUITS & THE 240V 1 PHASE OVEN CIRCUIT FROM BUILDING PANEL TO HOOD CONTROL PANEL TO THE RESPECTIVE 120V & 240V CONTACTORS & THEN FROM HOOD CONTROL PANEL TO THE RESPECTIVE WALL OUTLETS.
- 9) USING THE WHITE WIRE SUPPLIED BY CAPTIVE-AIRE WIRE FROM EACH HOOD DUCT SENSOR LOCATED IN HOOD EXHAUST COLLAR OR TOP OF HOOD IN JUNCTION BOX TO HOOD CONTROL PANEL & TIE INTO T2A & T2B, T3A & T3B, T4A & T4B. THEN INSTALL WHITE TEMP SENSOR SUPPLIED BY CAPTIVE AIRE ON RIGHT SIDE OF HOOD SS PANEL & WIRE TO T1A & T2B.
- 10) IF BUILDING ALARM IS PROVIDED WITH BUILDING THEN WIRE DIRECTLY INTO THE FRONT SECTION OF THE ANSUL MICROSWITCH PER THE BUILDING FIRE PANEL REQUIREMENTS TO RECEIVE AN ALARM SIGNAL UPON FIRE SYSTEM ACTUATION. IF NO BUILDING ALARM, THEN SUPPLY A HORN/LIGHT STROBE & MOUNT IN SIGHT OF HOODS AND TIE DIRECTLY INTO ANSUL MICROSWITCH AT NO CONTACT ON SWITCH (BLACK WIRE OF MICROSWITCH) & A NEUTRAL FROM CONTROL PANEL.
- 11) INSTALL LIGHT BULBS IN HOODS SUPPLIED BY OWNER. VERIFY ALL FANS & LIGHTS POWER UP. CHECK ROTATION FOR SUPPLY FAN. ANY QUESTIONS CONTACT JOE AT 513-860-5555. 5 BULBS REQ'D - SUPPLIED IN GENERAL LIGHTING PACKAGE.
- 12) WIRE 208V, 3 PHASE CIRCUIT FROM BUILDING PANEL DIRECTLY TO CONDENSER FOR MUA LOCATED IN BACK EXTERIOR BUILDING. SUPPLY DISCONNECT.

**REVISIONS**

NO.	DESCRIPTION	DATE

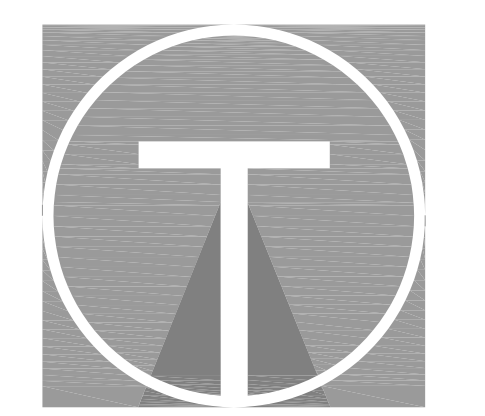
**CAPTIVE-AIRE**  
www.captiveaire.com

**Air Solutions**  
1329 East Kemper Rd., Ste. 4210, Cincinnati, OH 45246 PHONE: (613) 860-5555

**Penn Station V2Bs (Left Hand-Mixed)**  
Lebanon, TN

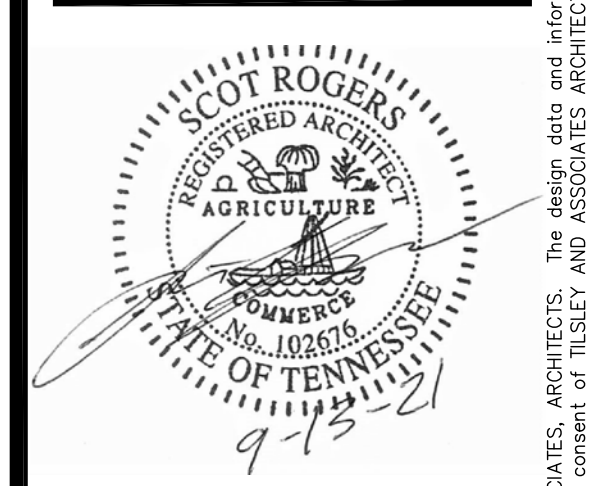
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**DRAWN BY:** JMH120  
**SCALE:** 3/4" = 1'-0"  
**MASTER DRAWING**

**SHEET NO.** H5



**TILSLEY ARCHITECTS**  
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**A New Penn Station Restaurant**  
Creekside Center  
346 South Cumberland St.  
Lebanon, TN 37087



Sheet Title: **Captiveaire Shop**  
Drawings Issued: 9-13-2021  
Scale: As Noted  
S. Rogers  
21031 PS Lebanon, TN

