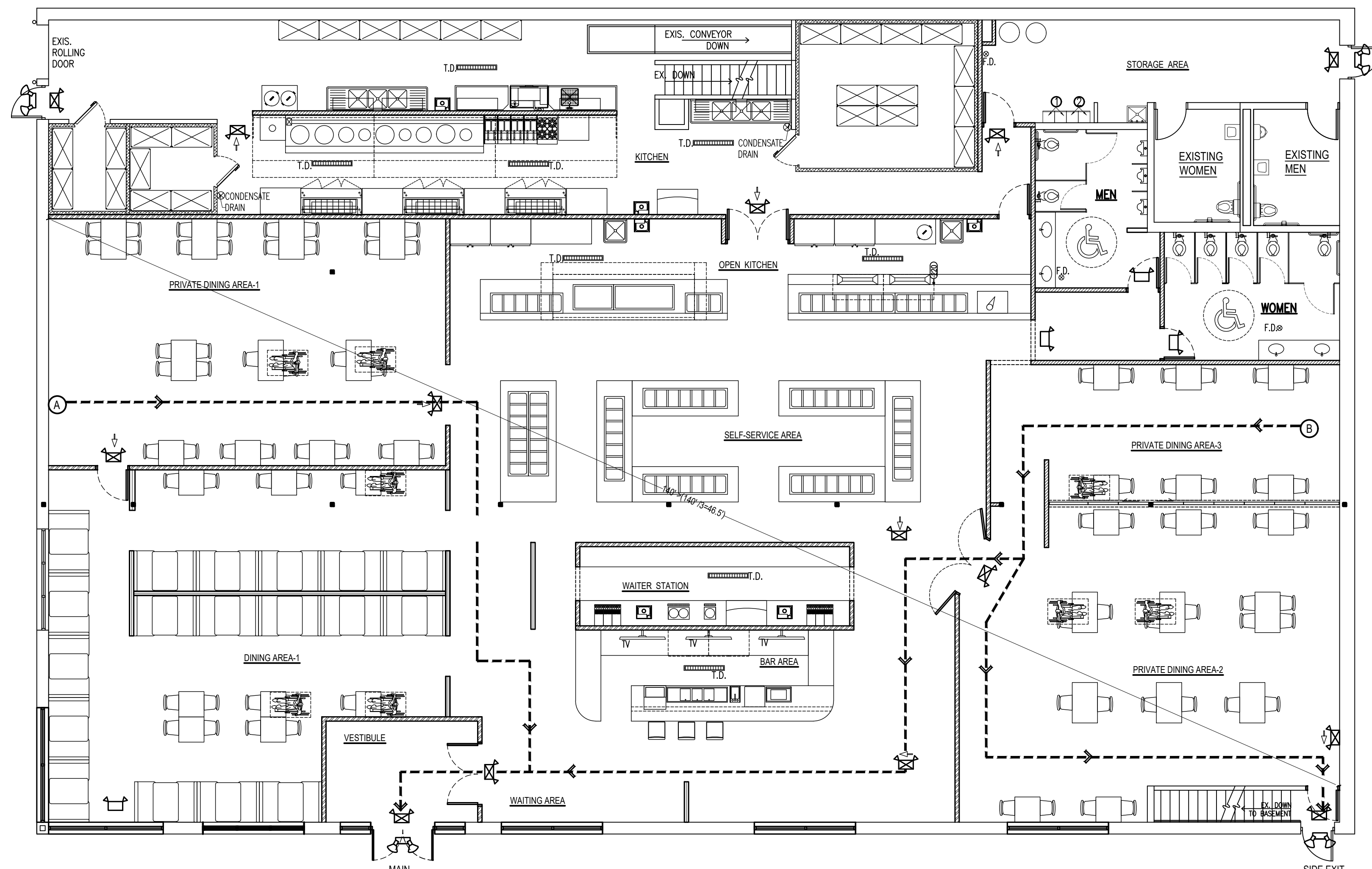
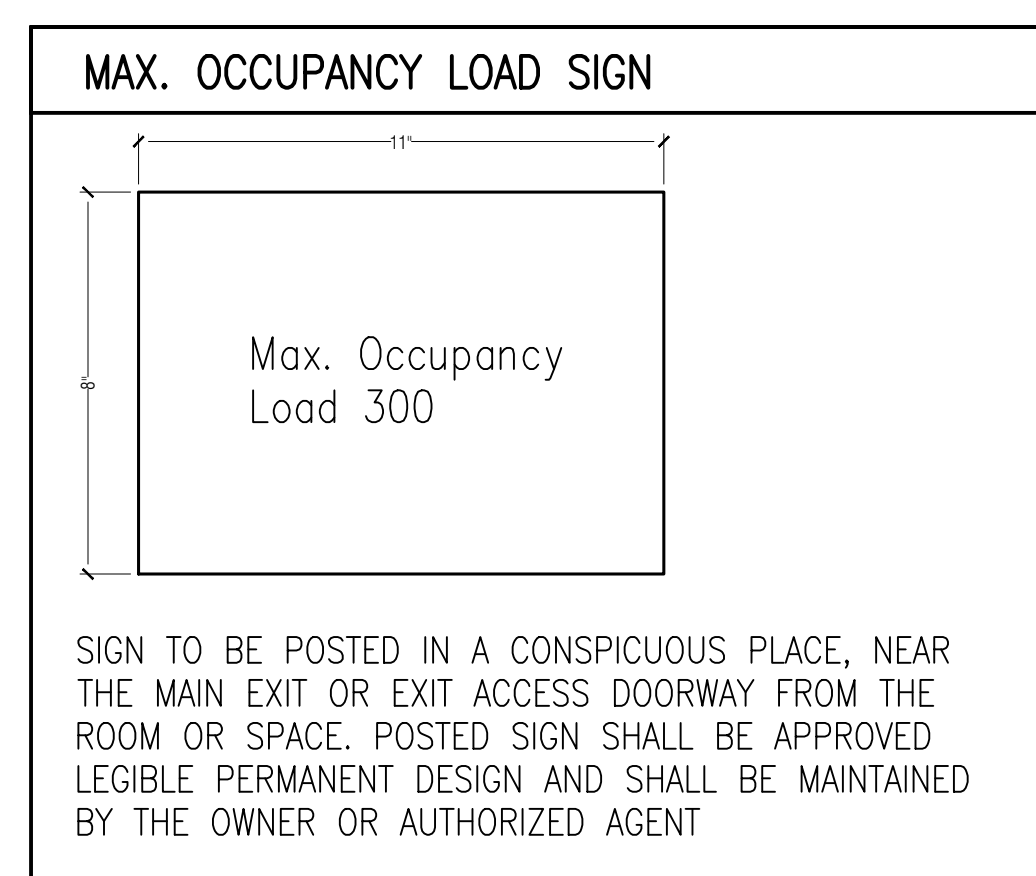


EXISTING 1ST FLOOR PLAN SCALE: 1/8" = 1'-0"



1ST FLOOR LIFE SAFETY PLAN SCALE: 1/8" = 1'-0"



SYMBOL LEGEND

EXISTING TO REMAIN

DEMOLITION NOTES:

1. VERIFY ALL PROPOSED DEMOLITION AREA WITH THE OWNER, PRIOR TO COMMENCING THAT PART OF WORK.
2. ANY AFFECTED MECHANICAL, PLUMBING AND ELECTRICAL ITEMS IN THE PROJECT, NEED TO BE PROPERLY DONE TO MAINTAIN CONTINUITY OF EXISTING DEVICES OR FIXTURES.
3. DEMOLISHED SEWER LINE TO BE CAPPED WATERTIGHT BELOW CONCRETE FLOOR. DEMOLISHED VENT TO BE CAPPED AIRTIGHT INSIDE THE WALL. DEMOLISHED WATER LINE TO BE CAPPED WATERTIGHT INSIDE THE WALL.
4. ALL WINDOWS, STOREFRONTS, COLUMNS, ELECTRICAL PANELS, EXIT DOORS, AND HVAC ARE EXISTING TO REMAIN.

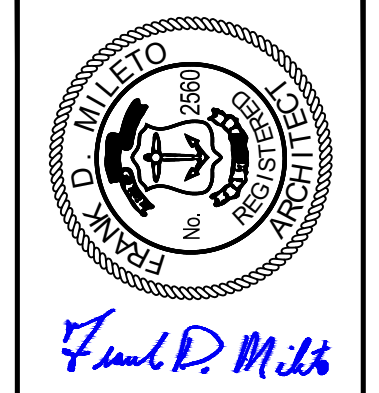
SYMBOL LEGEND

- EXIT/EMERGENCY LIGHT W. BATTERY BACK-UP.
- EMERGENCY LIGHT W. BATTERY BACK-UP.
- REMOTE HEAD BATTERY BACK-UP.
- TRAVEL PATH TAG

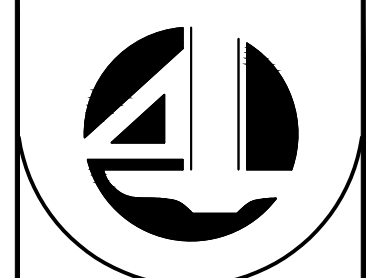
LIFE SAFETY CODE ANALYSIS

- NUMBER OF EXITS (PER 2024 IBC SECTION 1006.3.3)
REQUIRED: 2
PROVIDED: 2
- EXIT AND ACCESS DOOR WAY (PER 2024 IBC SECTION 1007.1.1)
REQUIRED: 46.5' (OVERALL DIAGONAL DISTANCE: 140'/3 FULLY SPRINKLER)
PROVIDED: 92'-6" > 46.5' (OKAY)
- EGRESS WIDTH (PER 2024 IBC, SECTION 1005.1)
EXIT CAPACITY CALCULATIONS (DOORS)
300 x 0.2 = 60" REQUIRED
MAIN EXIT PROVIDED: 68" > 30" (50% OF THE REQUIRED CAPACITY)
SIDE EXIT PROVIDED: 34" > 30" (50% OF THE REQUIRED CAPACITY)
TOTAL EXIT PROVIDED: 102" > 60" REQUIRED
- MAXIMUM EXIT ACCESS TRAVEL DISTANCE (PER 2024 IBC SECTION 1017.2)
ALLOWED: 250 LF. WITH SPRINKLER SYSTEM

TRAVEL PATH	EGRESS PATH		MAX. TRAVEL DISTANCE	ALLOWABLE MAX. TRAVEL DISTANCE
	A	B		
TO MAIN EXIT	99'	127'	127' < (250' OKAY)	250'
SIDE EXIT		99'10"		



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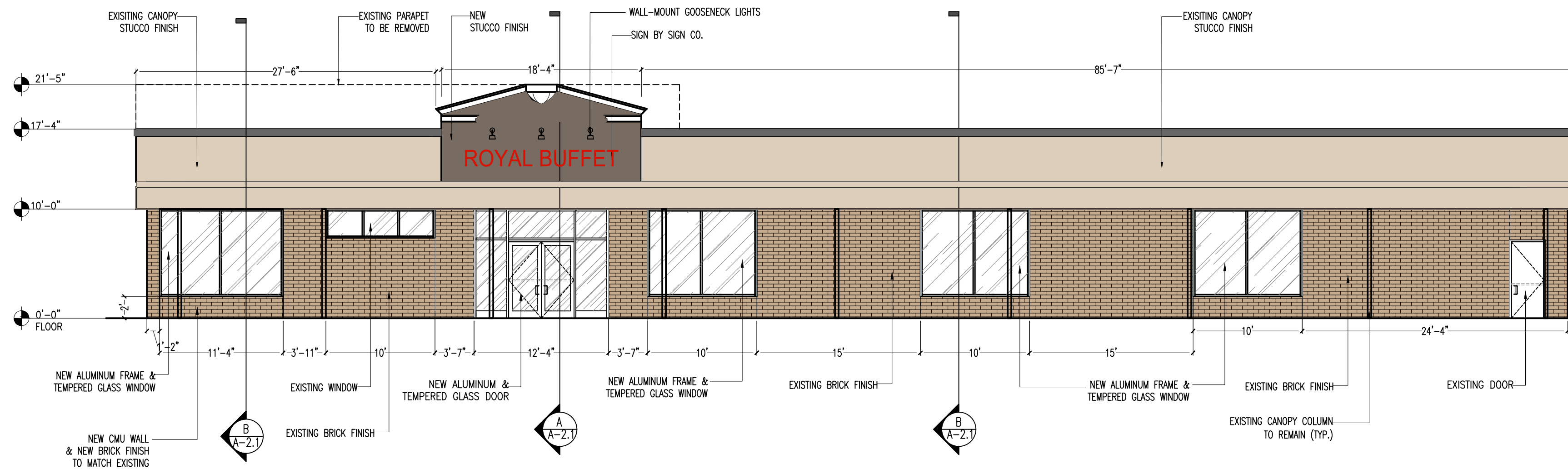
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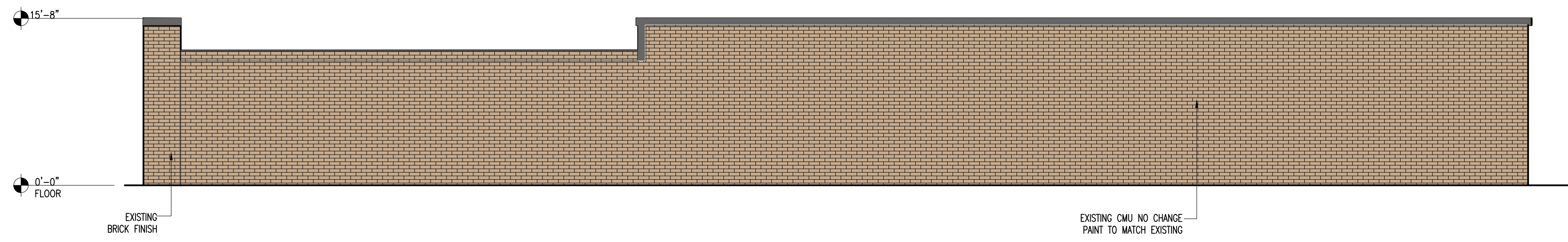
04/13/2026
04/20/2026
05/01/2026

DATE: 03/18/2026
SCALE: AS DRAWING
DRAWN:
JOB NO. A26-031

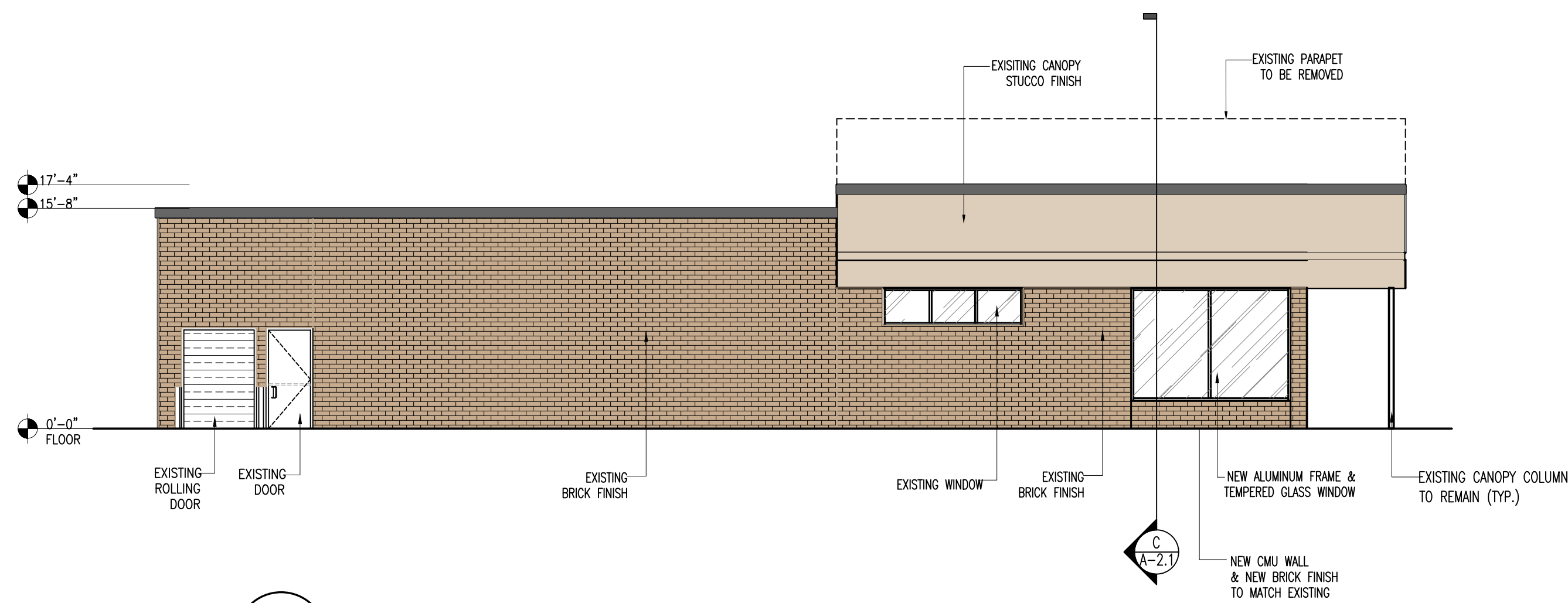
T-2



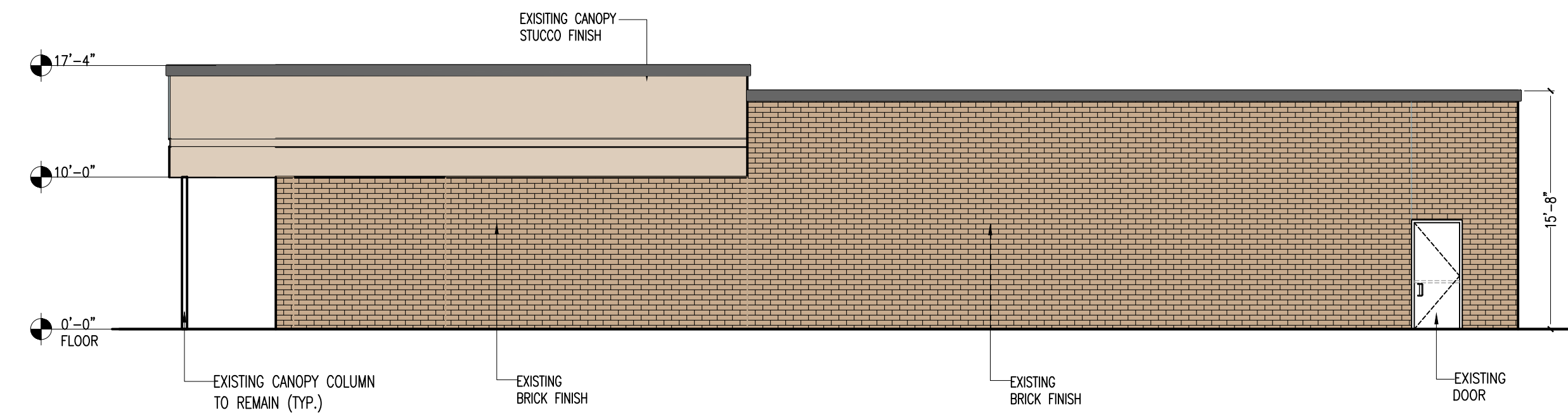
1 EAST ELEVATION (STOREFRONT) SCALE: 1/8" = 1'-0"



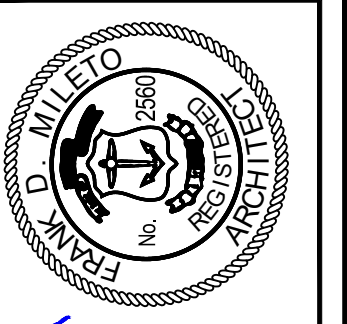
2 WEST ELEVATION SCALE: 1/8" = 1'-0"



3 SOUTH ELEVATION SCALE: 1/8" = 1'-0"

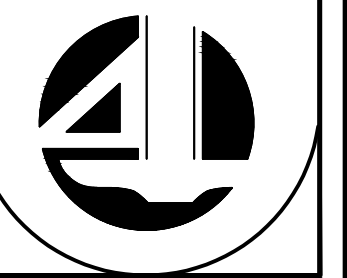


4 NORTH ELEVATION SCALE: 1/8" = 1'-0"



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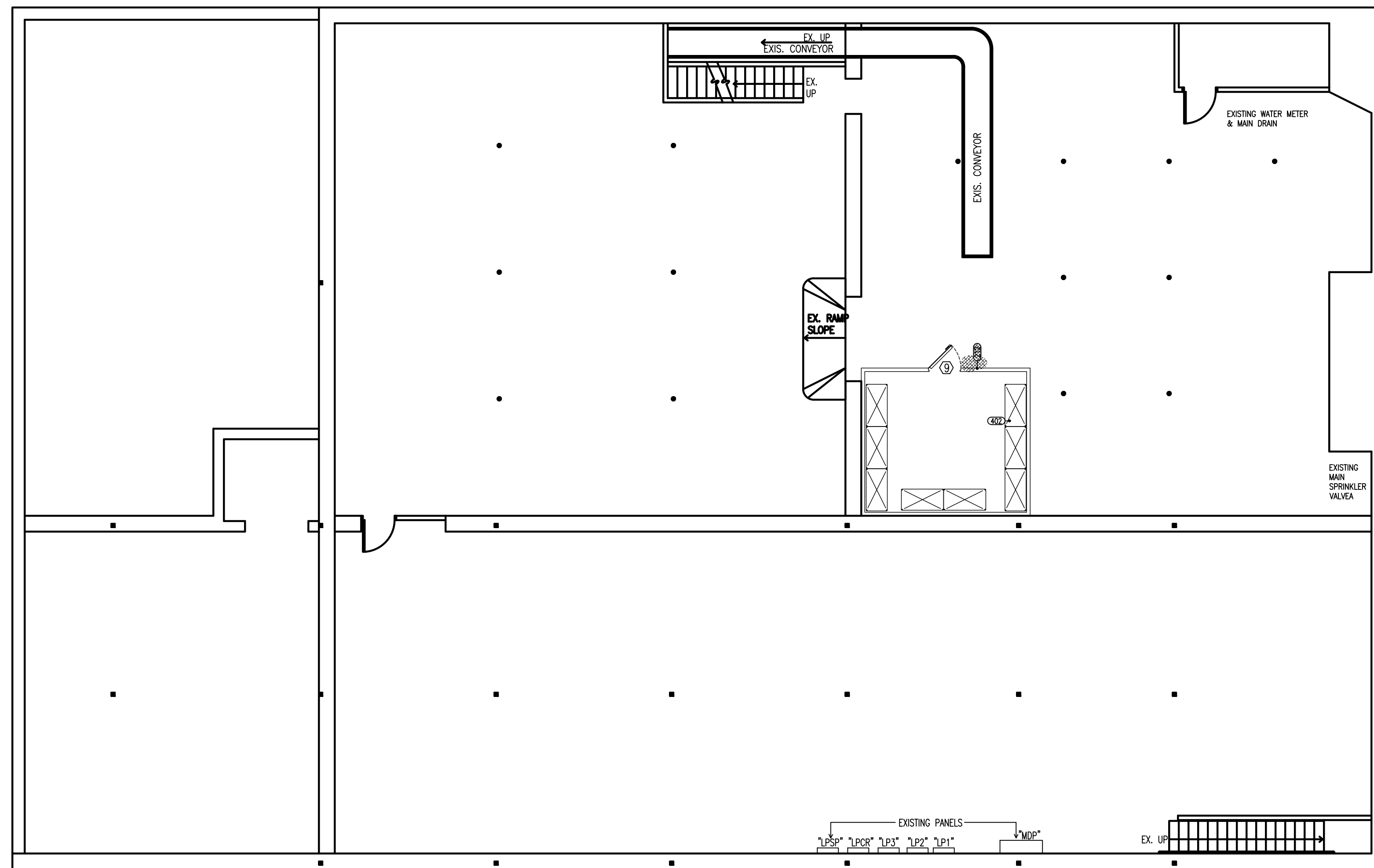
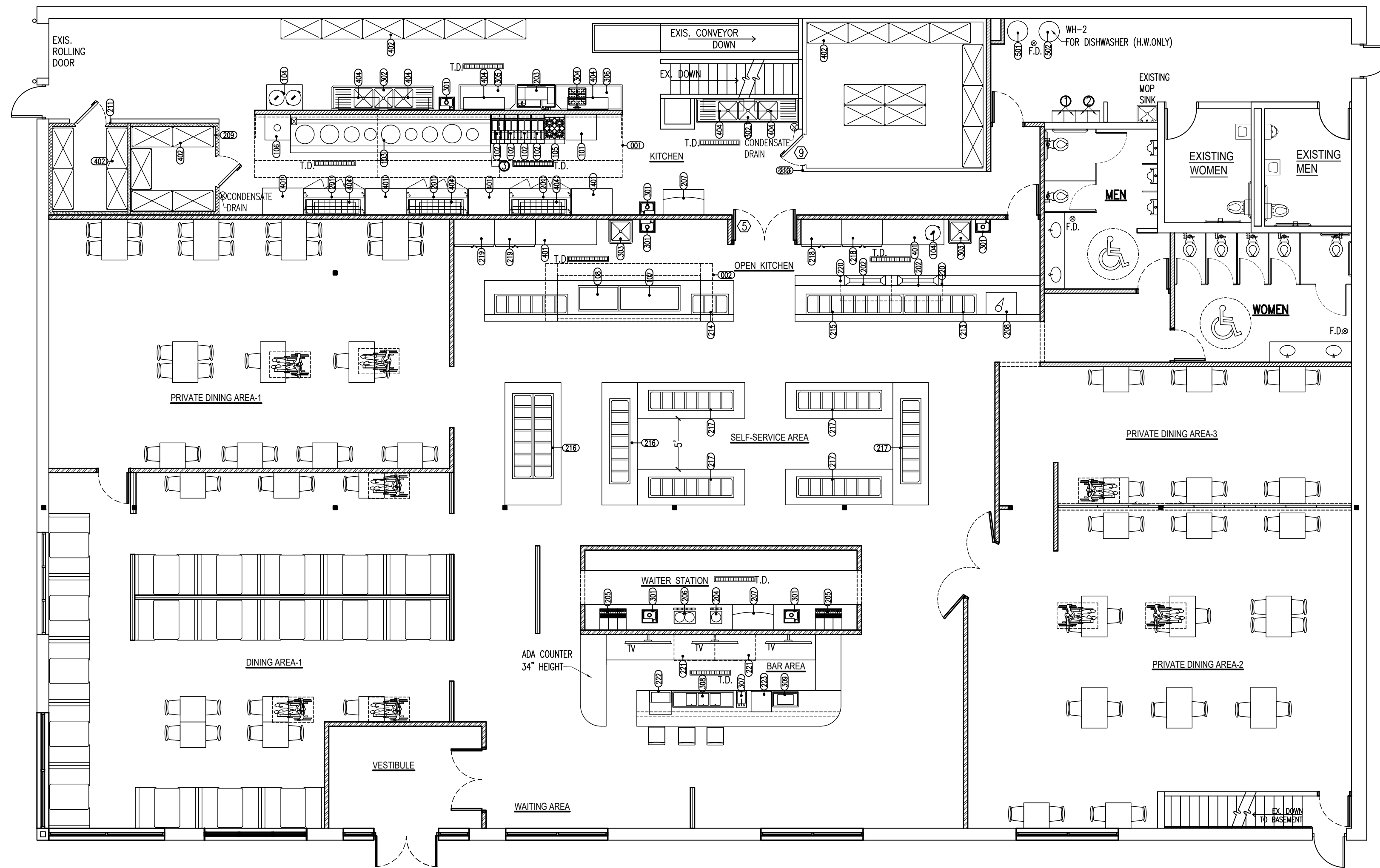
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NO.	DATE	DESCRIPTION

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DRAWN:
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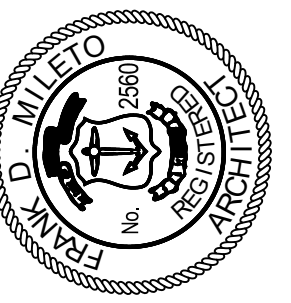


NOTES:

- ① CABINET FOR EMPLOYEES' BELONGINGS
- ② CABINET FOR THE STORAGE OF DETERGENTS, AND CLEANING COMPOUNDS USED IN THE DAILY OPERATION
- ③ STAINLESS STEEL SEPARATOR EXTENDED 16" ABOVE DEEP FAT FRYER

EQUIPMENT SCHEDULE

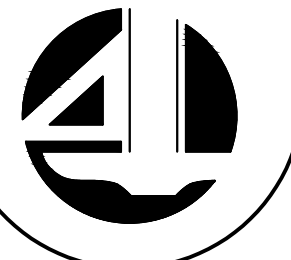
NO.	QTY.	DESCRIPTION	MANUFACTURE	MODEL	N.S.F. U.L.	ELECTRICAL			GAS SIZE	GAS BTUH	WATER		WASTE DIR.	IND.
						VOLT	PHS.	HP.			KW.	C.W.		
001	3	KITCHEN HOOD	ECON AIR	5424 EX-2-PSP-F	U.L.									
002	1	OPEN KITCHEN HOOD	ECON AIR	5424 EX-2WI-PSP-FB	U.L.									
101	1	CONVECTION OVEN (DOUBLE)	SOUTHBEND	SLGS/22C	N.S.F.	120	1	0.42	3/4"	144,000 BTU				
102	4	DEEP FRYER	PTICO	SG14	N.S.F.				3/4"	110,000 BTU				
103	1	CHINESE RANGE STOVE	WIN SUPPLY	WR-900	N.S.F.				2"	900,000 BTU	1/2"		3"	
104	3	RICE COOKER	RINNAI	RER-55A5	N.S.F.				3/4"	35,000 BTU				
105	1	GAS RANGE	GARLAND	S24	N.S.F.				3/4"	48,000 BTU				
106	1	SMOKE HOUSE	TOWN	SM-30	N.S.F.				3/4"	60,000 BTU				
107	1	GRIDDLE	LANG	G-72	N.S.F.				3/4"	162,000 BTU				
108	1	GRIDDLE	LANG	G-48	N.S.F.				3/4"	108,000 BTU				
201	3	SANDWICH UNIT	TRUE	TSSU-72-18-HC	N.S.F.	115	1	1/2	0.864					
202	2	SUSHI DISPLAY	HOSHIZAKI	HNC120A	N.S.F.	115	1		0.195					
203	1	DISHWASHER	ECOLAB	ES-4000	N.S.F.	115	1	3/4	2.65			3/4"		
204	1	COFFEE URN	CECILIWARE	FE75N	N.S.F.	208	1		2.50			1/2"	3"	
205	2	SODA DISP.	PROVIDED BY LOCAL DISTRIBUTOR		N.S.F.	115	1		0.36			1/2"	3"	
206	1	TEA URN	CECILIWARE	CH100N	N.S.F.	208	1		6.03			1/2"	3"	
207	2	ICE MAKER	MANTOWOC	IR-0500A	N.S.F.	208	1		3.26			1/2"	3"	
208	1	ICE CREAM MACHINE	TAYLOR	336	N.S.F.	208	1		5.8			1/2"	3"	
209	1	WALK-IN COOLER	AMERKOOOLER	9'-0" X 9'-0"	N.S.F.	208	1		1.6					
210	1	WALK-IN COOLER	AMERKOOOLER	18'-0" X 15'-0"	N.S.F.	208	1		1.8					
211	1	WALK-IN FREEZER	AMERKOOOLER	8'-0" X 9'-0"	N.S.F.	208	1		2.5					
212	1	WALK-IN FREEZER	AMERKOOOLER	16'-0" X 14'-0"	N.S.F.	208	1		3.6					
213	2	COLD BAR	WIN SUPPLY	WBCTS-600	N.S.F.	110	1	1/4	0.77					3"
214	1	COLD BAR	WIN SUPPLY	WBCTS-300	N.S.F.	110	1	1/4	0.36					3"
215	1	COLD BAR	WIN SUPPLY	WBCTS-800	N.S.F.	110	1	1/4	0.77					3"
216	3	COLD BAR	WIN SUPPLY	WBCTS-700	N.S.F.	110	1	1/4	0.77					3"
217	5	HOT BUFFET	WIN SUPPLY	WBHT-700	N.S.F.	208	1	1/3	5.00			1/2"		3"
218	2	REACH-IN FREEZER	TRUE	TDC-47	N.S.F.	115		3/4	1.67					
219	2	REACH-IN REF.	TRUE	T-49	N.S.F.	115		1/4	1.08					
220	2	UNDERCOUNTER REF.	BEVERAGE-AIR	UCR48	N.S.F.	115		1/4	0.517					
221	2	BAR COOLER	BEVERAGE-AIR	DW72-B-29	N.S.F.	115	1	1/4	0.88					
222	1	GLASS CHILLER	BEVERAGE-AIR	FB27HC	N.S.F.	115	1	1/2	0.42					
223	1	GLASS WASHER	ECOLAB	OMEGA 5E	N.S.F.	115	1	3/4	1.92			3/4"		3"
301	6	HAND SINK	EAGLE GROUP	HSA-10-F-LRS	N.S.F.							1/2"	1/2"	2"
302	1	3-COMP. WAREWASHING SINK	EAGLE GROUP	414-22-3-24RL	N.S.F.							3/4"	3/4"	3"
302.1	1	3-COMP. PREP SINK	EAGLE GROUP		N.S.F.									
303	2	1-COMP. FOOD PREP. SINK	EAGLE GROUP	414-22-1	N.S.F.							3/4"	3/4"	3"
304	1	SPRAY SINK	EAGLE GROUP	SR-19-16-B-1	N.S.F.							3/4"	3/4"	3"
305	1	CLEAN TABLE	EAGLE GROUP	CDTL-96-16/4	N.S.F.									
306	1	SOILED TABLE	EAGLE GROUP	CUSTOM	N.S.F.									
307	1	BAR HAND SINK	EAGLE GROUP	MA2-18	N.S.F.							1/2"	1/2"	2"
308	1	BAR SINK	EAGLE GROUP	BSC-18	N.S.F.							3/4"	3/4"	3"
309	1	ICE CHEST	EAGLE GROUP	B30IC-18	N.S.F.									
401		TABLE (Stainless Steel)	EAGLE GROUP	T3048B, T3072B, T3060B	N.S.F.									
402		SHELF (Stainless Steel)	EAGLE GROUP	1848Z	N.S.F.									
403		OVERSHELVES (Stainless Steel)	EAGLE GROUP	DOS1272	N.S.F.									
404		WALLMOUNT SHELVING (Stainless Steel)	EAGLE GROUP	PWE14-3S	N.S.F.									
501	1	WATER HEATER-1	A.O. SMITH	BTH-199	N.S.F.					1"	199,000 BTU			
502	1	WATER HEATER-2	A.O. SMITH	BT-60	N.S.F.					3/4"	60,000 BTU			



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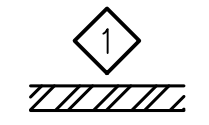
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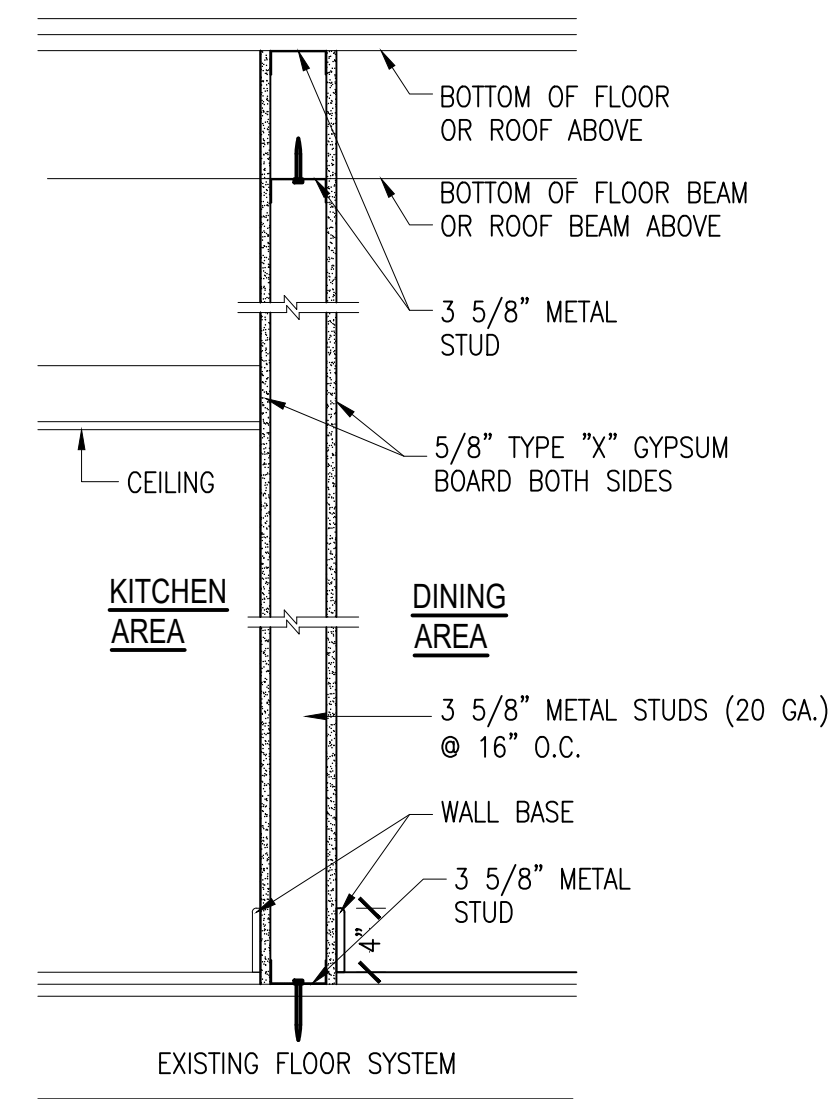
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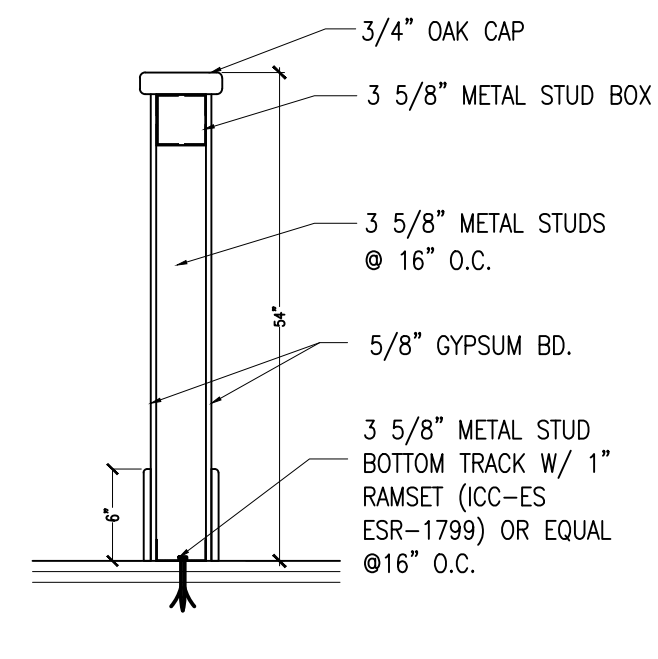
WALL DETAIL



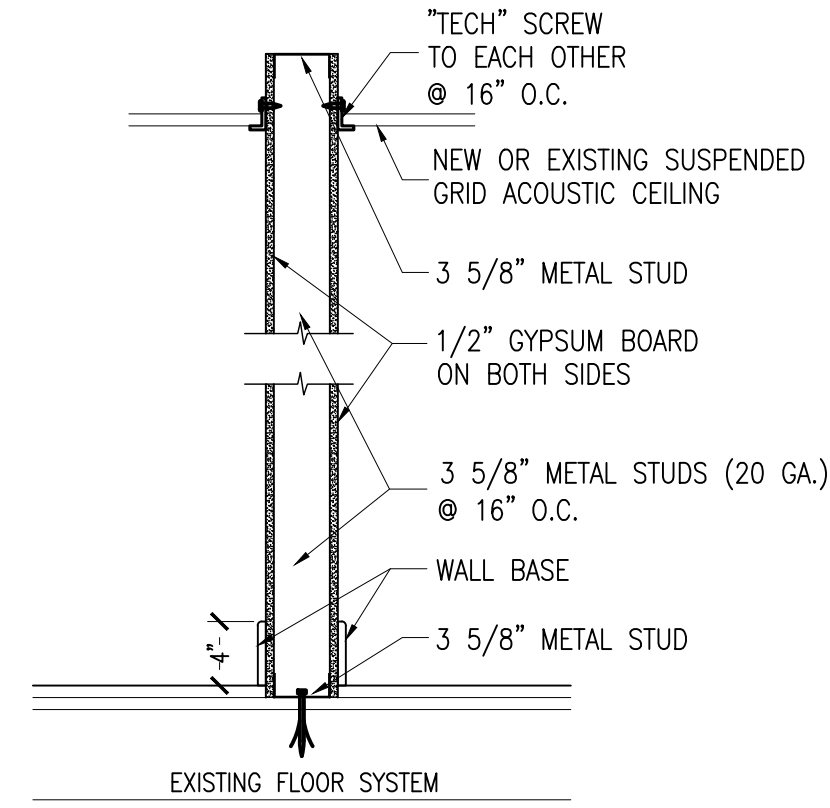
NEW FULL HEIGHT WALL, 3 5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER OF 5/8" GYPSUM BD. ON EACH SIDE.



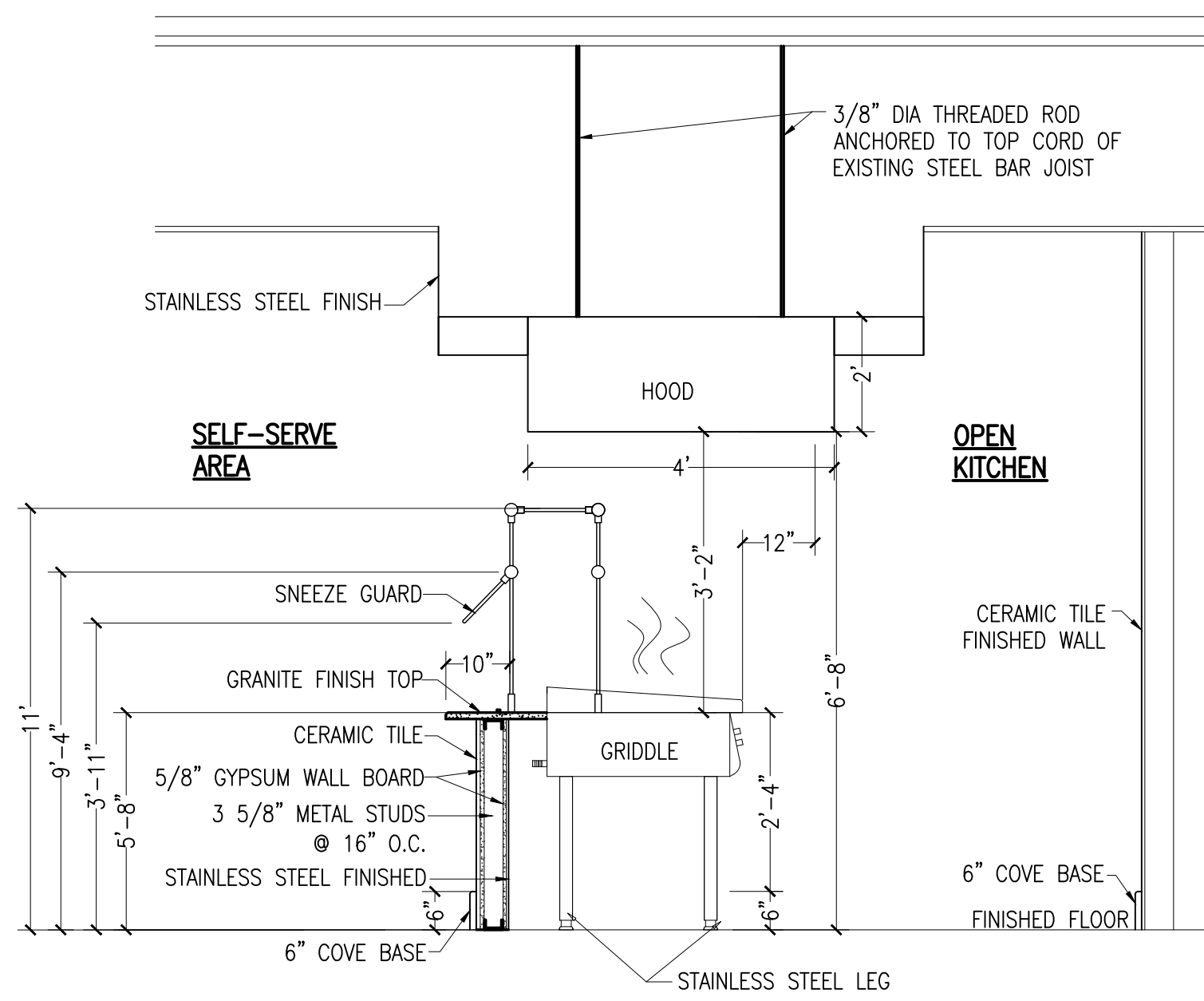
NEW LOW WALL



NEW HEIGHT WALL, 3 5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER OF 5/8" GYPSUM BD. ON EACH SIDE.

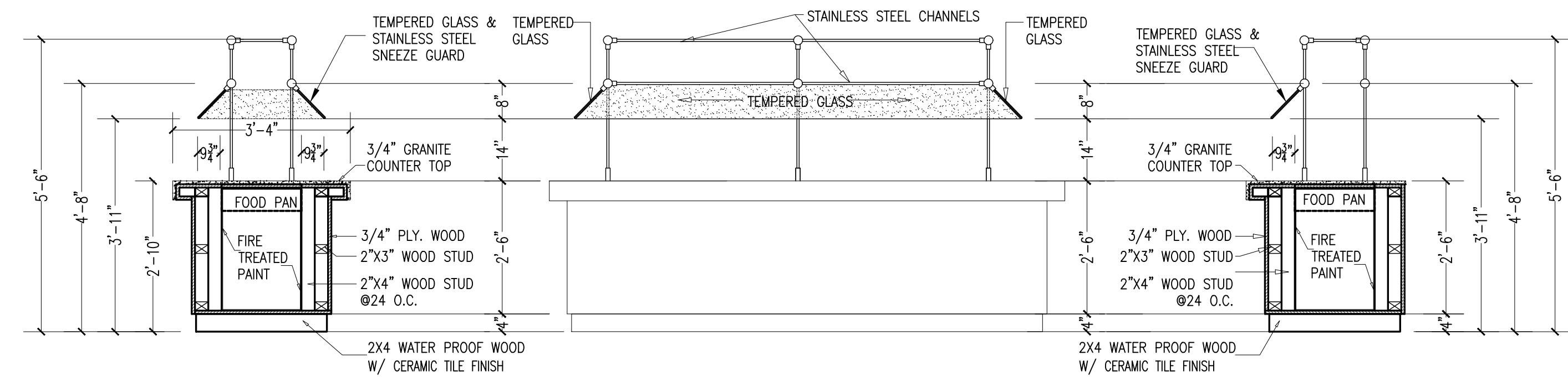


SECTION THRU. OPEN KITCHEN AREA



BUFFET TABLE DETAIL

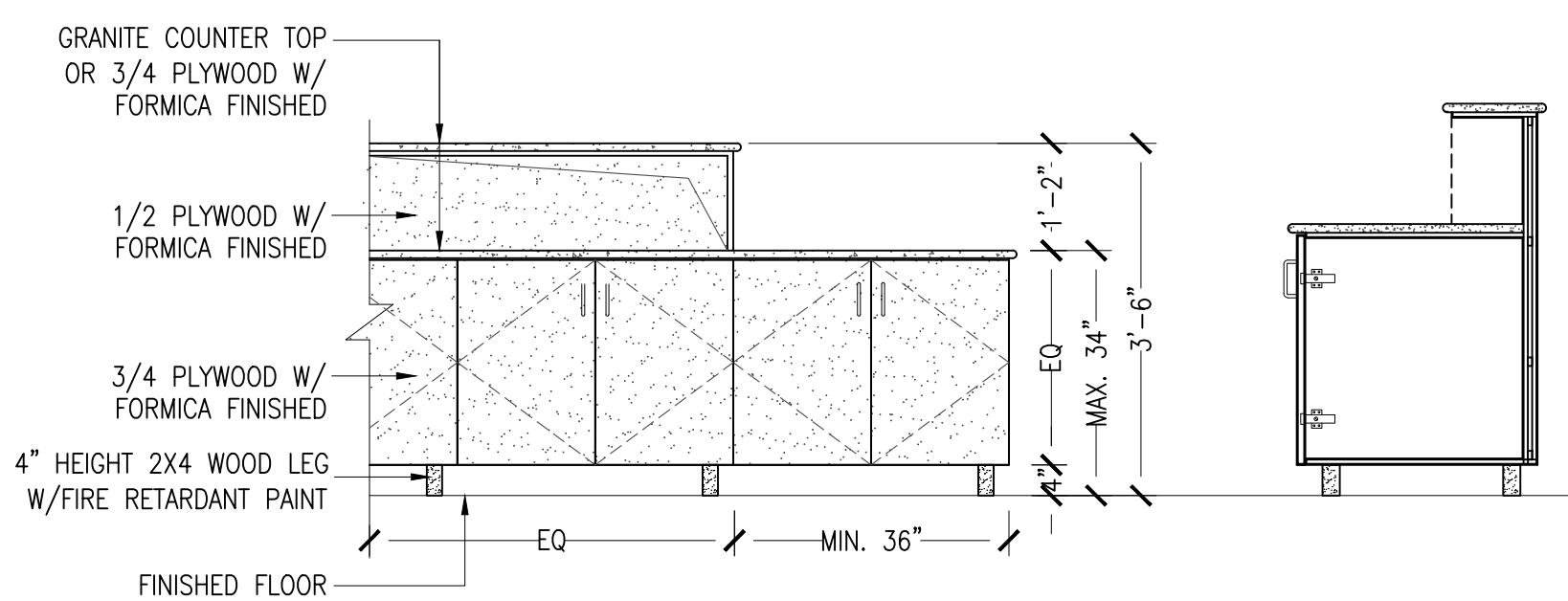
BUFFET TABLE SNEEZE GUARDS REQUIREMENTS:
(PER NSF STANDARD #2)
- ALL BUFFET TABLES MUST BE COVERED TOPS, SIDES & FRONTS.
- MINIMUM COVERAGE FRONT/SIDES 18" @ 30-45 DEGREE SLANTED GLASS
- CAN NOT EXCEED 13" ABOVE COUNTER SLANT
- BOTTOM LEADING EDGE OF THE FOOD SHIELD SHALL EXTEND A MINIMUM HORIZONTAL DISTANCE OF 7" BEYOND THE FRONT INSIDE EDGE OF A FOOD WELL



COUNTER REAR ELEVATION

SCALE: 1/2"=1'-0"

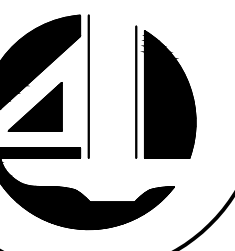
SERVICE COUNTER
TOTAL LENGTH: 9'-0"
ADA HEIGHT: 2'-10"
TOTAL HEIGHT: 3'-6"
TOTAL WIDTH: 4'-0"
MATERIAL: 1" THICK PLYWOOD W/ FRP COATING



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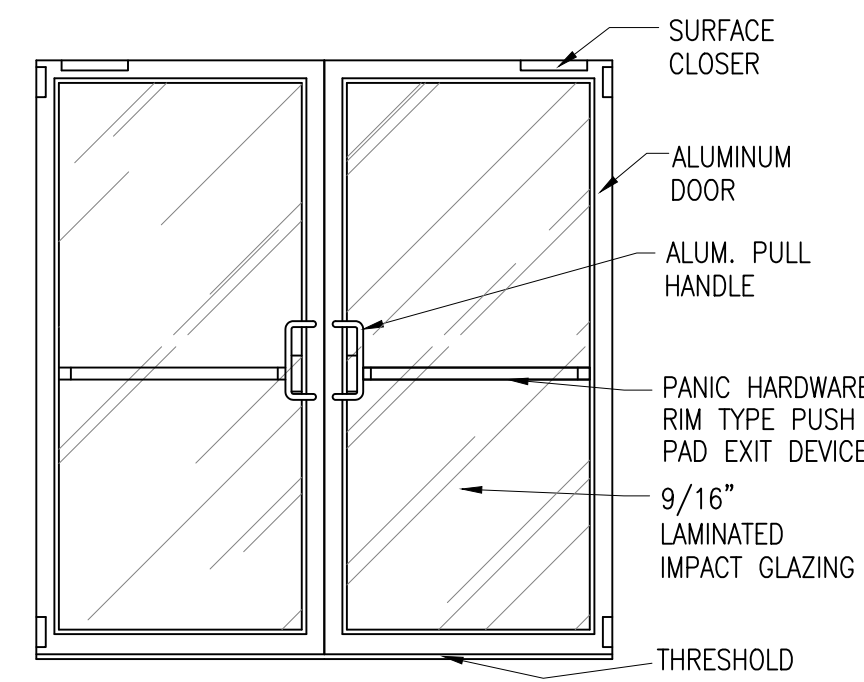
A-4

DOOR SCHEDULE

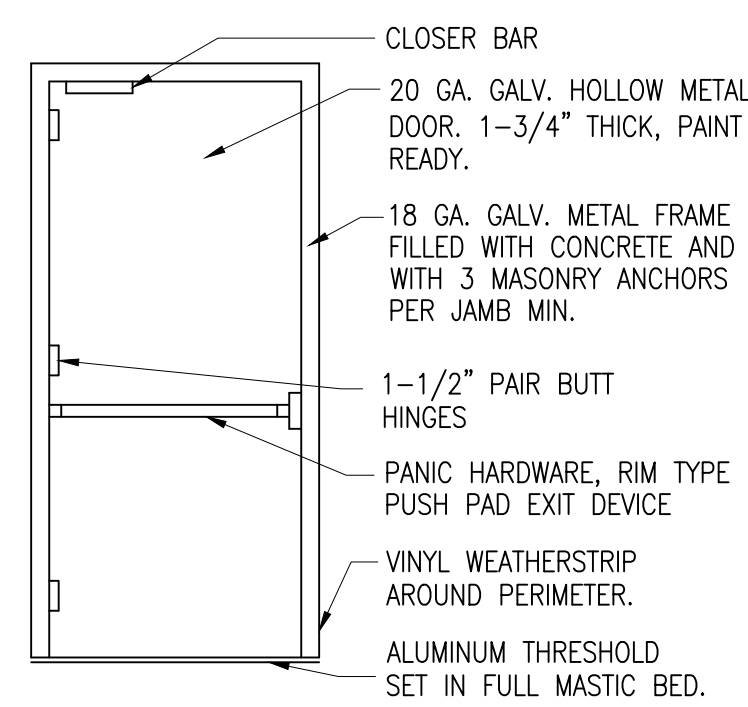
MARK	TYPE	SIZE		MATERIAL	FRAME	FINISH	RATING	REMARKS
①		(2) 3'-0" x 7'-0" x 1 3/4"	NEW	ALUMINUM & TEMPERED GLASS	WOOD	CLEAR	---	PUSH BAR EXIT DEVICE (PANIC HARDWARE)
②	①	(2) 3'-0" x 7'-0" x 1 3/4"	NEW	ALUMINUM & TEMPERED GLASS	WOOD	CLEAR	---	PUSH BAR EXIT DEVICE (PANIC HARDWARE)
③		3'-0" x 7'-0" x 1 3/4"	EXISTING	HOLLOW METAL	METAL	PAINT	---	PUSH BAR EXIT DEVICE (PANIC HARDWARE)
④	②	3'-0" x 7'-0" x 1 3/4"	NEW	HOLLOW METAL	METAL	PAINT	45 MIN	PUSH BAR EXIT DEVICE (PANIC HARDWARE)
⑤		3'-0" x 7'-0" x 1 3/4"	EXISTING	HOLLOW METAL	METAL	PAINT	---	PUSH BAR EXIT DEVICE (PANIC HARDWARE)
⑥	③	(2)3'-0" x 6'-8" x 1 3/4"	NEW	HOLLOW CORE WOOD	WOOD	PAINT	---	
⑦	④	3'-0" x 6'-8" x 1 3/4"	NEW/EXISTING	HOLLOW CORE WOOD	WOOD	PAINT	---	ADA COMPLIANT "MEN" & "WOMEN" SIGN MOUNTING HEIGHT @ 48" AFF
⑧	④.1	(2)3'-0" x 6'-8" x 1 3/4"	NEW	HOLLOW CORE WOOD	WOOD	PAINT	---	
⑨		3'-0" x 6'-6" x 1 3/4"	NEW	ALUMINUM	ALUM	CLEAR	---	INSULATED DOOR (see manufacturer's specs.)

DOOR NOTES:

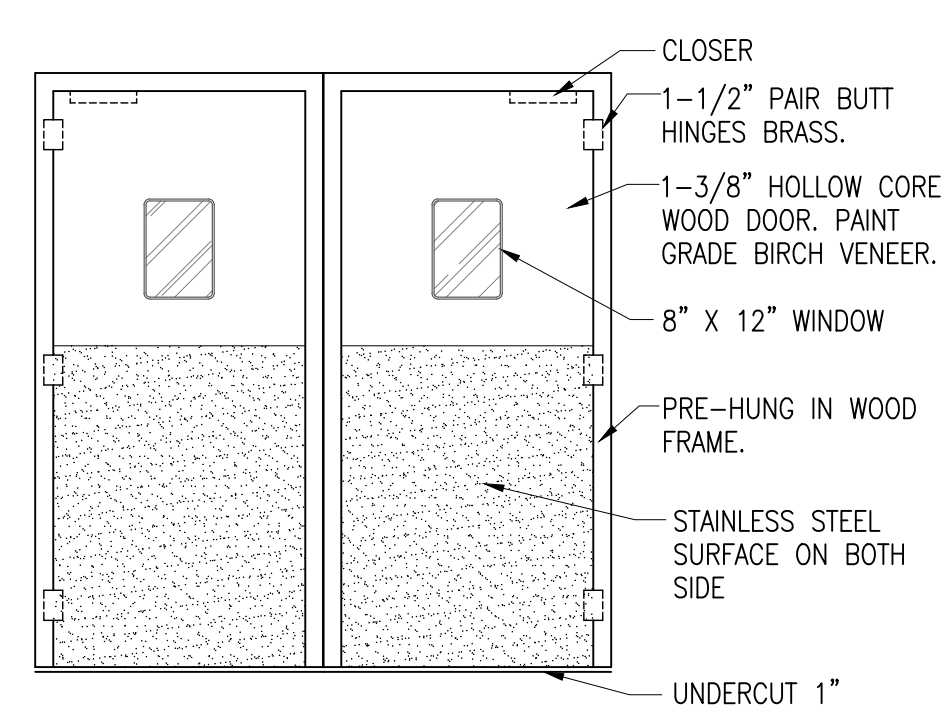
- LATCH SIDE CLEARANCES AT ALL DOORWAYS SHALL BE IN ACCORDANCE WITH ANSI A117.1-2017.
- ALL EXITS TO BE LABELED.
- INTERIOR DOORS TO BE LABELED AS TO INTENDED USE.
- ALL EXIT DOORS SHALL BE PROVIDED WITH PANIC HARDWARE.
- THE OPERATING DEVICE ON ALL DOORS SHALL BE CAPABLE OF OPERATION WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. THE INTERIOR HINGED DOOR SHALL BE 5.0 POUNDS (22.2 N) MAXIMUM PER ANSI A117.1-2009, SECTION 404.2.8.
- ALL DOORS TO BE LEVER TYPE WITH DOOR CLOSER AND 1/2" THRESHOLD.
- LANDINGS SHALL BE PROVIDED AT EVERY REQUIRED EXIT IF ABOVE OR BELOW GRADE AND THEY SHALL BE A MINIMUM OF 36 INCHES IN WIDTH AND 44 INCHES LONG IN THE DIRECTION OF TRAVEL.



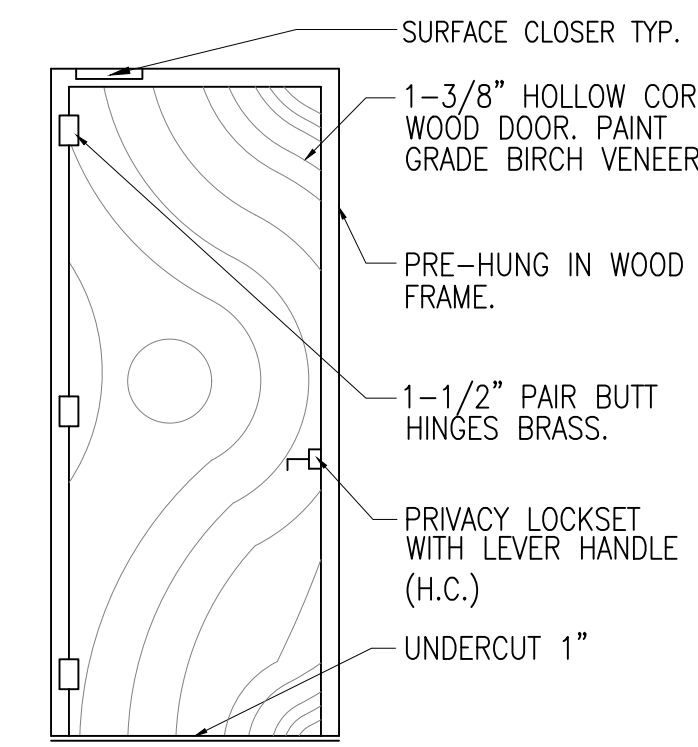
DOOR TYPE ①



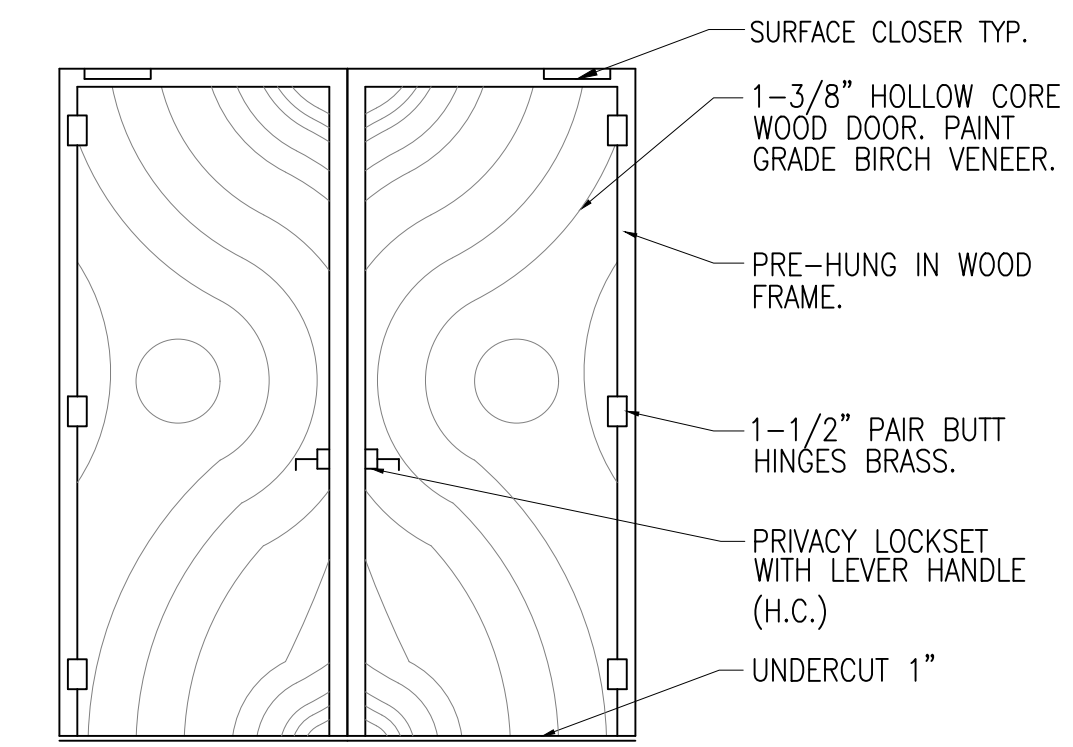
DOOR TYPE ②



DOOR TYPE ③



DOOR TYPE ④



DOOR TYPE ④.1

FINISH SCHEDULE

AREA	TOE BASE COVING	FLOOR	CEILING	WALL
DINING AREA-1 PRIVATE DINING -1	CERAMIC TILE.	CERAMIC TILE.	OPEN CEILING W/SEMI-GLOSS PAINTED. COMMERCIAL GRADE.	GYPSUM FIRECODE PAINTED W/2-COATS OF GLOSS PAINT.
PRIVATE DINING -2,3	CERAMIC TILE.	CERAMIC TILE.	GYPSUM BOARD CEILING, COMMERCIAL GRADE.	GYPSUM FIRECODE PAINTED W/2-COATS OF GLOSS PAINT.
VESTIBULE	CERAMIC TILE.	CERAMIC TILE.	GYPSUM BOARD CEILING, COMMERCIAL GRADE.	GYPSUM FIRECODE PAINTED W/2-COATS OF GLOSS PAINT.
SELF-SERVE	CERAMIC TILE.	CERAMIC TILE.	OPEN CEILING W/SEMI-GLOSS PAINTED. COMMERCIAL GRADE.	GYPSUM FIRECODE PAINTED W/2-COATS OF GLOSS PAINT.
WAITER STATION	CERAMIC TILE.	CERAMIC TILE.	GYPSUM BOARD CEILING, COMMERCIAL GRADE.	GYPSUM FIRECODE PAINTED W/2-COATS OF GLOSS PAINT.
BAR	CERAMIC TILE.	CERAMIC TILE.	OPEN CEILING W/SEMI-GLOSS PAINTED. COMMERCIAL GRADE.	GYPSUM FIRECODE PAINTED W/2-COATS OF GLOSS PAINT.
TOILET	CERAMIC TILE.	CERAMIC TILE.	GYPSUM BOARD CEILING, NON-PERFORATED, NON-FISSURED, SMOOTH, WASHABLE, LIGHT-IN COLOR. VINYL FINISH.	CERAMIC TILE FINISHED. SMOOTH SURFACE, WASHABLE.
KITCHEN AREA	QUARRY TILE.	QUARRY TILE.	2X4 LAY-IN ACOUSTICAL CEILING, NON-PERFORATED, NON-FISSURED, SMOOTH, WASHABLE, LIGHT-IN COLOR. VINYL FINISH.	STAINLESS STEEL BEHIND HOOD AREA AND CERAMIC TILE FINISHED IN OTHER AREA. SMOOTH SURFACE, WASHABLE.

NOTES:

ALL FINISHED SURFACES SHALL BE SMOOTH, EASILY CLEANABLE AND NON ABSORBENT. ALL DAMAGE CREATED OR DISCOVERED IN THE PROCESS OF THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE PROPERLY REFINISHED IN AN APPROVEABLE MANNER. ALL SURFACE PENETRATIONS, CRACKS AND CREVICES ARE TO BE SEALED TO ELIMINATE VERMIN HARBORAGE AREAS.

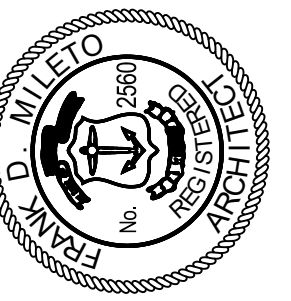
ALL PLUMBING PIPES, ELECTRICAL CONDUITS, GAS LINES, ETC. SHALL BE KEPT WITHIN THE WALL CAVITIES, ABOVE THE CEILING OR UNDER THE FLOOR. IF THE GAS LINE MUST BE RUN OUTSIDE OF THE WALLS, THEN A CLEANABLE BRACKET MUST BE USED THAT WILL BRACE THE PIPE AT LEAST 1" OF THE WALL AND AT LEAST AT 12" OFF THE FLOOR.

UTILITY LINES SHOULD BE STUBBED OUT OF THE WALLS, FLOORS OR CEILINGS AT EACH PIECE OF EQUIPMENT SERVED.

FINISH NOTES

CLASS A: FLAME SPREAD 0-25, SMOKE DEVELOP 0-450
 CLASS B: FLAME SPREAD 26-75, SMOKE DEVELOP 0-450
 CLASS C: FLAME SPREAD 76-200, SMOKE DEVELOP 0-450

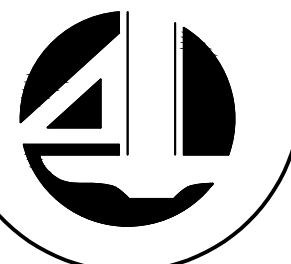
- INTERIOR FINISH SHALL COMPLY WITH IBC 801.2 & 801.3 & 803. & 804.
- INTERIOR WALL AND CEILING FINISH:
 - VERTICAL EXIT AND EXIT PASSAGEWAYS: CLASS B
 - EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS: CLASS B
 - ROOMS AND ENCLOSED SPACES: CLASS C
- INTERIOR FLOOR FINISH IN VERTICAL EXITS, EXIT PASSAGEWAYS AND EXIT ACCESS CORRIDORS SHALL NOT LESS THAN CLASS II.
- ALL DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL MEET IBC 801.4 and 806.



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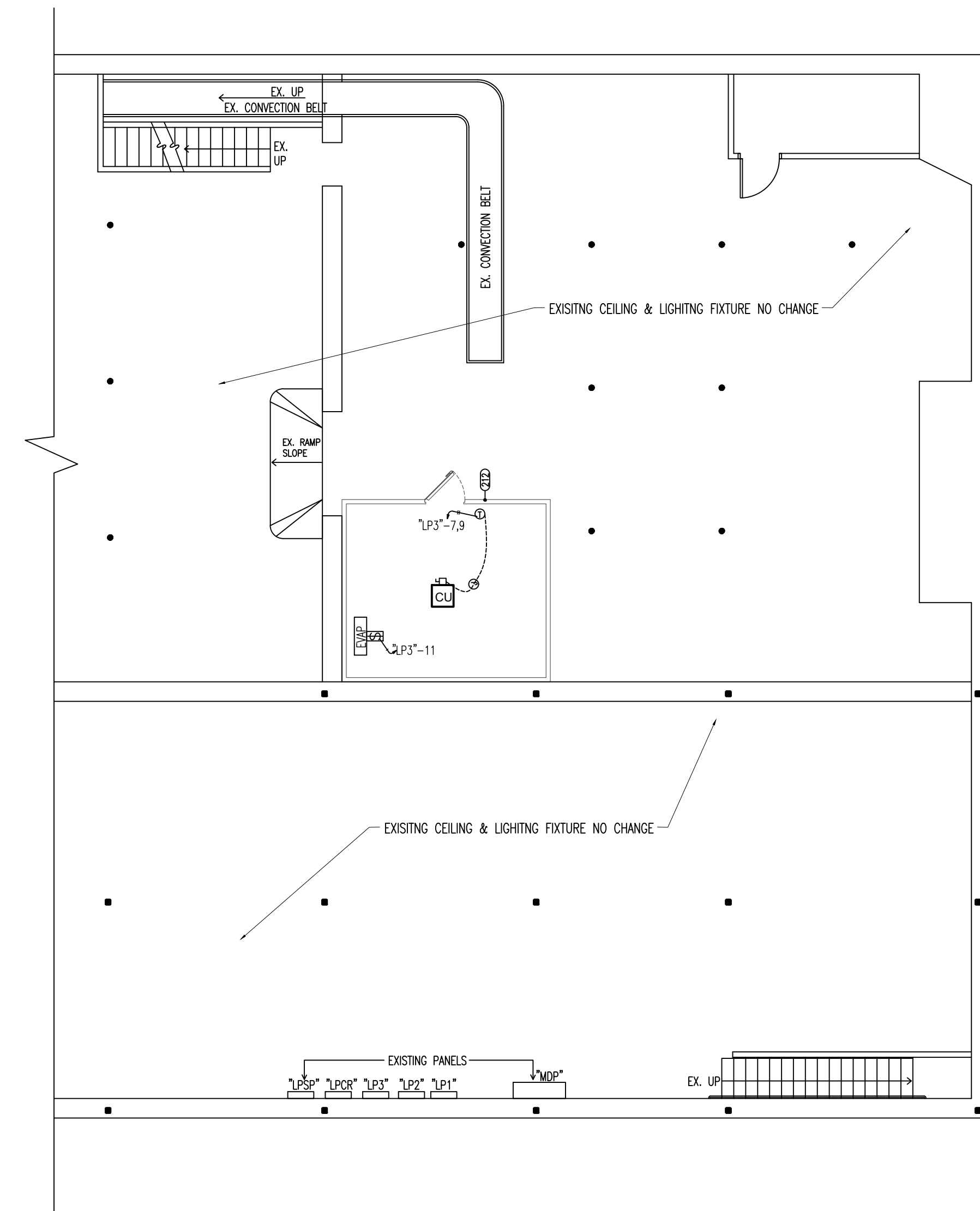
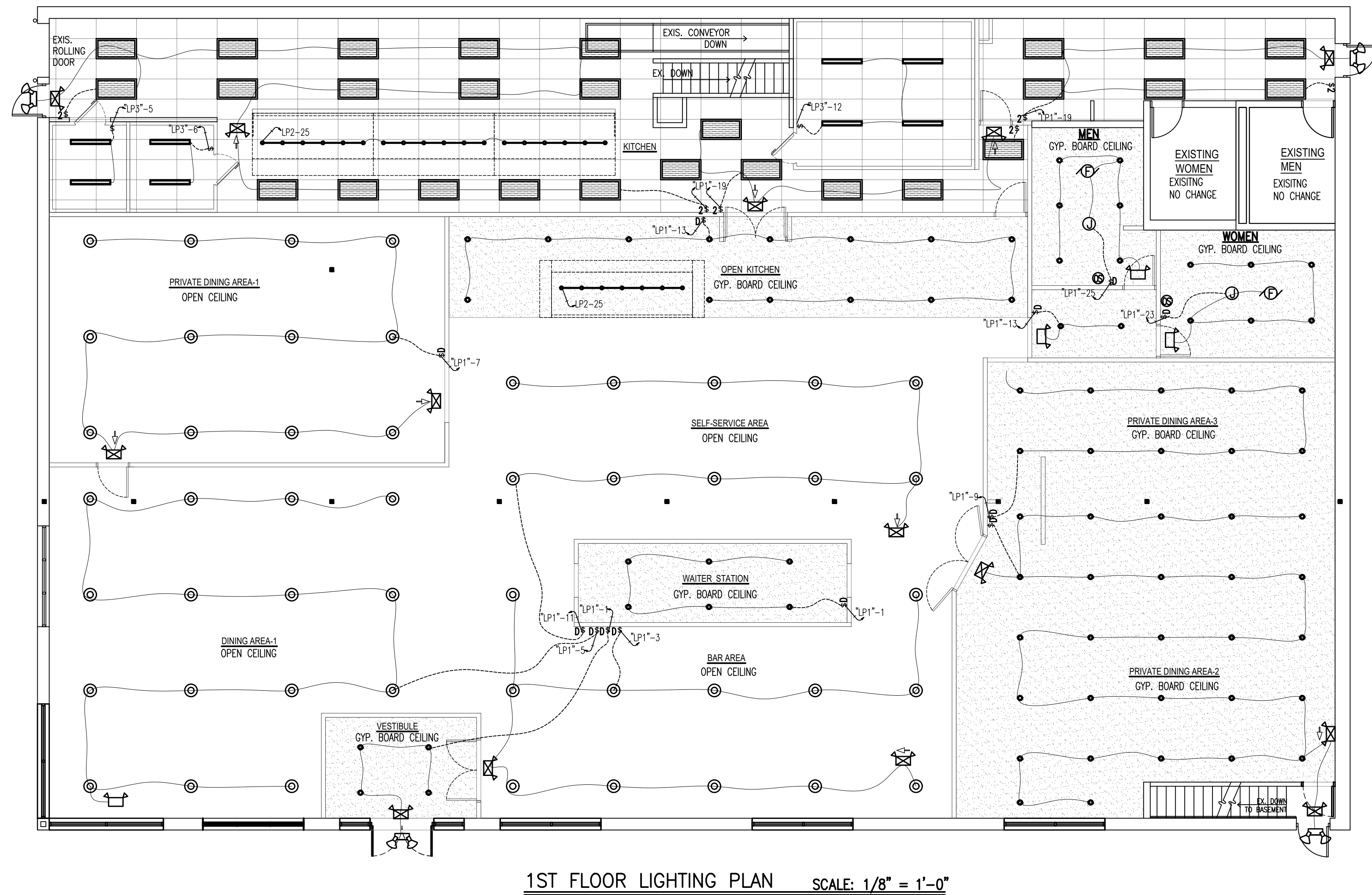
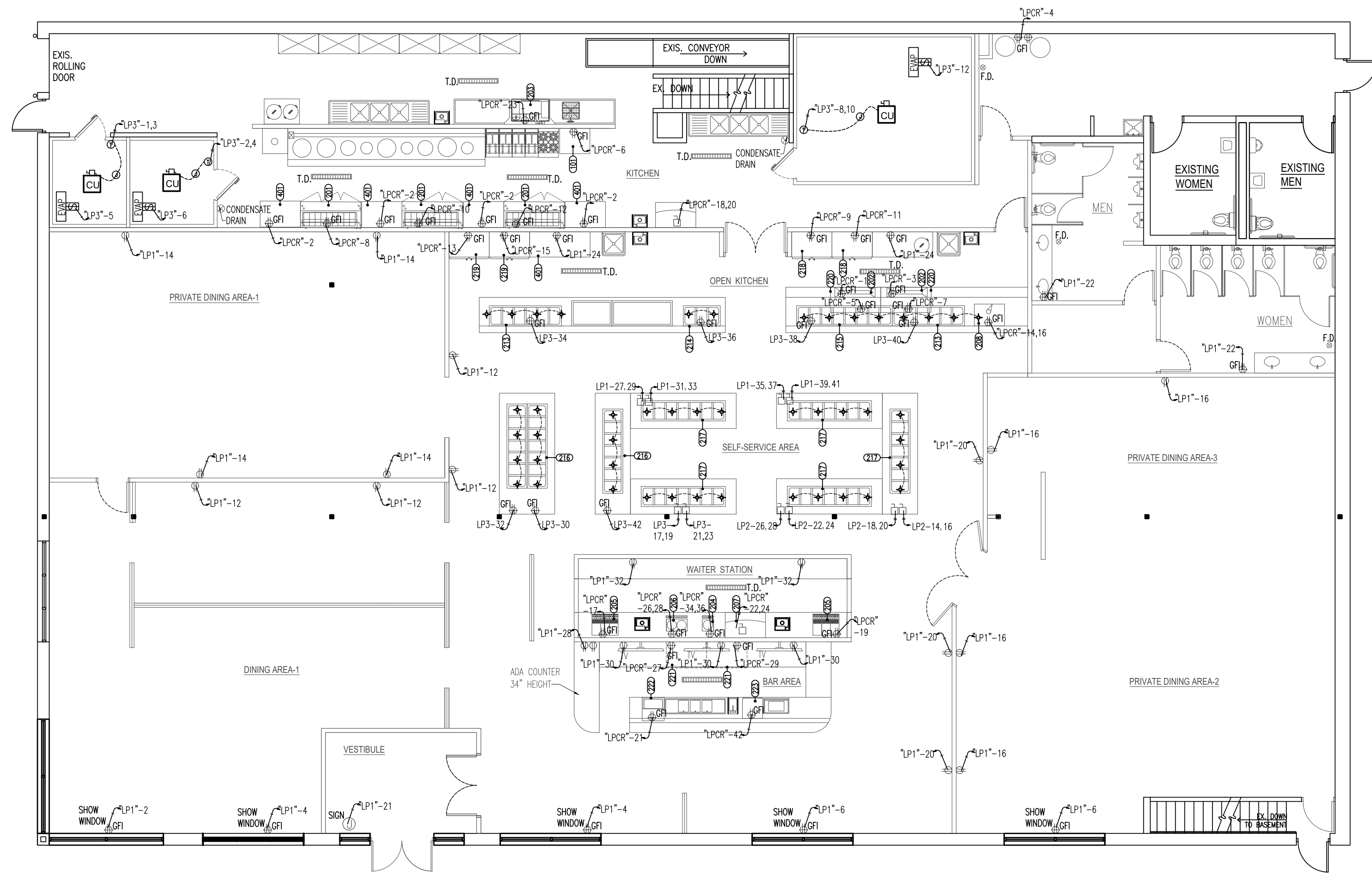
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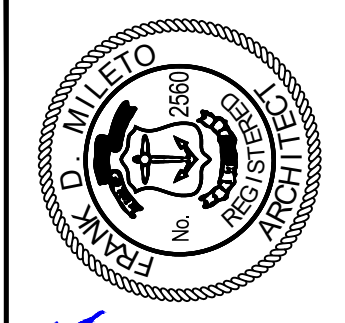
NO.	DATE	DESCRIPTION

DATE: 03/18/2026
 SCALE: AS DRAWING
 DRAWN:
 JOB NO. A26-031

A-5

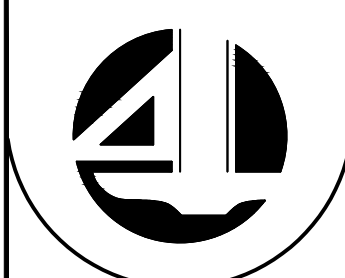


EQUIPMENT SCHEDULE									
NO.	QTY.	DESCRIPTION	MANUFACTURE	MODEL	N.S.F. U.L.	ELECTRICAL			
						VOLT	PHS.	HP.	KW.
101	1	CONVECTION OVEN (DOUBLE)	SOUTHBEND	SLGS/22C	N.S.F.	120	1		0.42
201	3	SANDWICH UNIT	TRUE	TSSU-72-18-HC	N.S.F.	115	1	1/2	0.864
202	2	SUSHI DISPLAY	HOSHIZAKI	HNC120A	N.S.F.	115	1		0.195
203	1	DISHWASHER	ECOLAB	ES-4000	N.S.F.	115	1	3/4	2.65
204	1	COFFEE URN	CECILWARE	FE75N	N.S.F.	208	1		2.50
205	2	SODA DISP.	PROVIDED BY LOCAL DISTRIBUTOR		N.S.F.	115	1		0.36
206	1	TEA URN	CECILWARE	CH100N	N.S.F.	208	1		6.03
207	2	ICE MAKER	MANITOWOC	IR-0500A	N.S.F.	208	1		3.26
208	1	ICE CREAM MACHINE	TAYLOR	336	N.S.F.	208	1		5.8
209	1	WALK-IN COOLER	AMERIKOOLER	9'-0" X 9'-0"	N.S.F.	208	1		1.6
210	1	WALK-IN COOLER	AMERIKOOLER	18'-0" X 15'-0"	N.S.F.	208	1		1.8
211	1	WALK-IN FREEZER	AMERIKOOLER	8'-0" X 9'-0"	N.S.F.	208	1		2.5
212	1	WALK-IN FREEZER	AMERIKOOLER	16'-0" X 14'-0"	N.S.F.	208	1		3.6
213	3	COLD BAR	WIN SUPPLY	WBCTS-600	N.S.F.	110	1	1/4	0.77
214	1	COLD BAR	WIN SUPPLY	WBCTS-300	N.S.F.	110	1	1/4	0.36
215	1	COLD BAR	WIN SUPPLY	WBCTS-800	N.S.F.	110	1	1/4	0.77
216	2	COLD BAR	WIN SUPPLY	WBCTS-700	N.S.F.	110	1	1/4	0.77
217	5	HOT BUFFET	WIN SUPPLY	WBHT-700	N.S.F.	208	1	1/3	5.00
218	2	REACH-IN FREEZER	TRUE	TDC-47	N.S.F.	115		3/4	1.67
219	2	REACH-IN REF.	TRUE	T-49	N.S.F.	115		1/4	1.08
220	2	UNDERCOUNTER REF.	BEVERAGE-AIR	UCR48	N.S.F.	115		1/4	0.517
221	2	BAR COOLER	BEVERAGE-AIR	DW72-B-29	N.S.F.	115	1	1/4	0.88
222	1	GLASS CHILLER	BEVERAGE-AIR	FB27HC	N.S.F.	115	1	1/2	0.42
223	1	GLASS WASHER	ECOLAB	OMEGA 5E	N.S.F.	115	1	3/4	1.92



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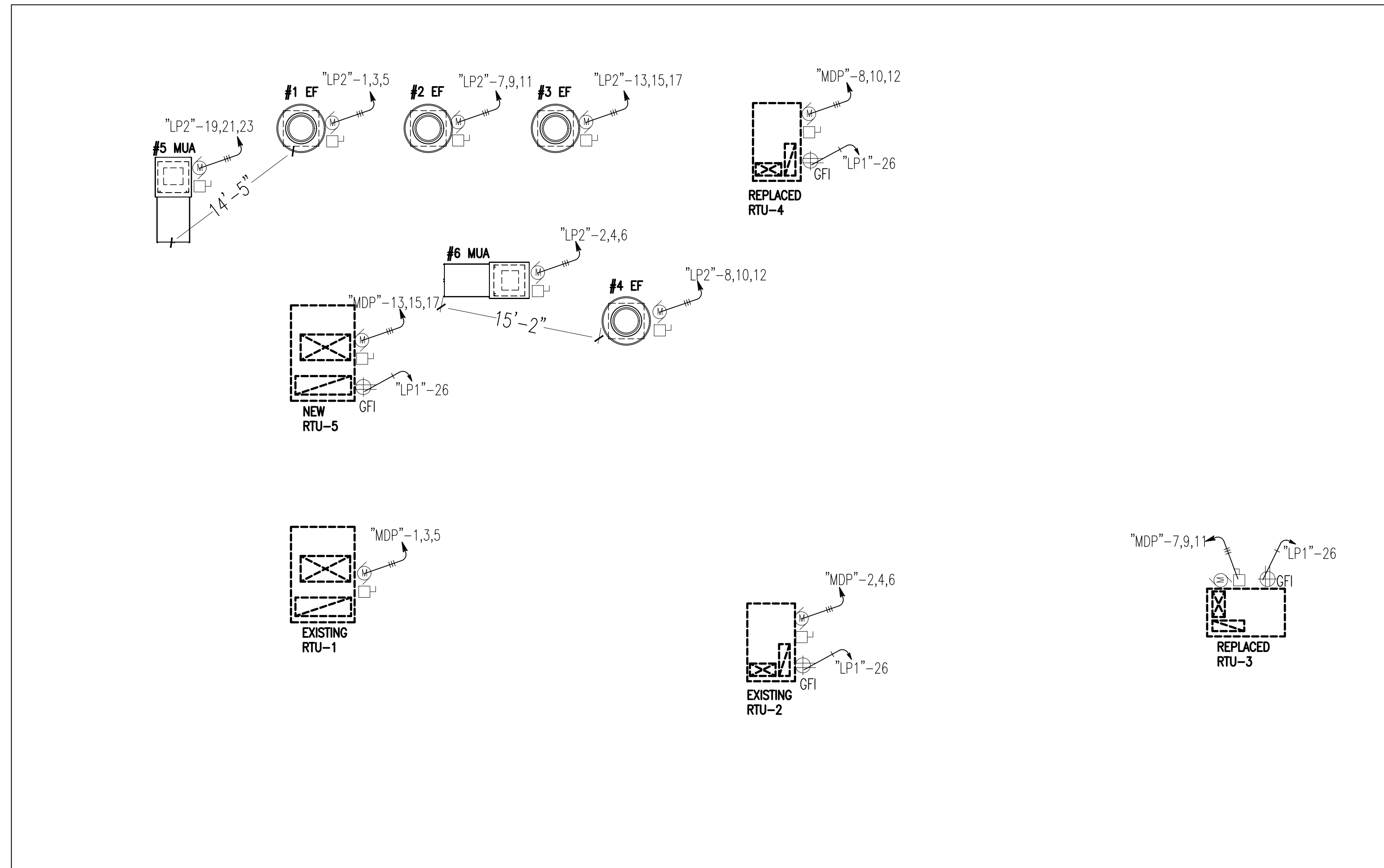
DATE: 03/18/2026

SCALE: AS DRAWING

DRAWN:

JOB NO. A26-031

E-1



ROOF ELECTRICAL PLAN

SCALE: 1/16"=1'-0"

ELECTRICAL NOTES & REQUIREMENTS

1. ALL WIRING TO COMPLY WITH N.E.C. 2023 OR LATEST ADOPTED, AND LOCAL REQUIREMENTS.
2. MINIMUM CIRCUIT TO BE 20 AMP. BREAKER, (2) #12 IN 3/4" EMT CONDUIT(+GND) UNLESS SHOWN OTHERWISE.
3. WIRE SIZES BASED ON THE COPPER, A.W.G.
4. PROVIDE DISCONNECTING MEANS AT ALL MOTOR LOADS.
5. VERIFY ALL REQUIREMENTS FOR KITCHEN EQUIPMENT WITH EQUIPMENT SUPPLIER.
6. MAKE ALL FINAL CONNECTIONS.
7. MOUNT ALL ELECTRICAL DEVICES AND SWITCHES AS REQUIRED BY THE ADA AND THE LOCAL STATE BARRIER FREE RULES.
8. FUSE ALL MOTORS AND MOTOR ASSEMBLIES IN ACCORDANCE WITH THE N.E.C. 2020 AND MANUFACTURER'S RECOMMENDATIONS.
9. MAINTAIN A MAXIMUM VOLTAGE DROP OF 5% THROUGHOUT THE ENTIRE SYSTEM.
10. COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING TRADES IN FIELD.
11. VERIFY ALL EXISTING JOB CONDITIONS AND ACCOMMODATE AS REQUIRED FOR A COMPLETE INSTALLATION.

LIGHTING NOTES

1. PROVIDE A MIN. 50 FOOT - CANDLES OF LIGHT ON ALL WORKING SURFACES IN THE FOOD PREPARATION AREAS, EQUIPMENT AND UTENSIL WASHING AREAS, AT HAND WASHING LAVATORIES, AND IN TOILET ROOMS.
2. PROVIDE A MIN. 10 FOOT- CANDLES OF LIGHT AT A DISTANCE OF 30 INCHES ABOVE THE FLOOR IN WALK-IN COOLERS AND FREEZERS, DRY STORAGE AREAS, AND IN ALL OTHER AREAS.
3. ALL LIGHTING FIXTURES AND LIGHT BULBS LOCATED WITHIN FOOD PREPARATION AND STORAGE AREAS SHALL BE SHIELD OR SHATTERPROOF.

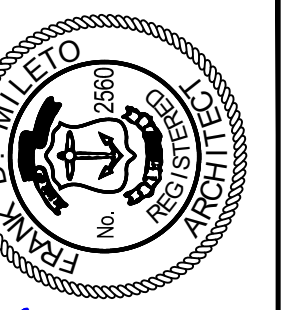
LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	LEGEND	DESCRIPTION	LAMP DATA	HOUSING	REFLECTOR ASSEMBLY	LENS/ REFRACTOR	MOUNTED	LINE VOLTS	MANUFACTURER	DETAILS
E1		EMERGENCY LIGHT WITH LED EXIT SIGN	LED, RED 2-5.4 W KRYPTON	POLYCARBONATE HOUSING WHITE FINISH	SINGLE FACE	RED DIFFUSE LETTERS ARROWS AS SHOWN	WALL/ CEILING WITH MATCHING CANOPY	120V	LITHONIA #LHQM SERIES	90 MIN OPERATION. HIGH-OUTPUT LEAD CALCIUM BATTERY.
E2		EMERGENCY LIGHT	2-1.5W WHITE LED	POLYCARBONATE HOUSING WHITE FINISH			WALL MOUNTED 7'-6" A.F.F.	120V	LITHONIA #ELM2 SERIES	90 MIN OPERATION. HIGH-OUTPUT NICKEL CADMIUM BATTERY.
E3		OUTDOOR EMERGENCY LIGHT	6V-8W HALOGEN	POLYCARBONATE HOUSING COLOR MATCH BUILDING			WALL MOUNTED 7'-6" A.F.F.	120V	LITHONIA #ELA SERIES	
A		2x4 LAY-IN FLUORESCENT	PATTERNED #12 ACRYLIC 33 W LED 4312 LUMEN	STEEL WHITE FINISH	WHITE REFLECTOR	0.125" THICK ACRYLIC	LAY-IN	120V	LITHONIA 2GTL4 4400LM LP835	
B		PENDANT LIGHT	(1)-30W ENERGY USED	BULLET FITTER OR CYLINDER FITTER			SUSPENDED MOUNTED FROM CEILING	120V	LITHONIA #MDP SERIES	
C		6" RECESSED LIGHTING FIXTURE	(1) 13W LED 1057 LUMEN				RECESSED	120V	LITHONIA REAL6CD6	
D		WALK-IN COOLER & FREEZER LIGHTS	(1) 9W LED 800 LUMENS					120V	AMERIKOOLER	OPERATING TEMPERATURE RANGE FROM -40° F TO 104° F (-40° C TO 40° C). FOR COOLER AND FREEZERS.

ELECTRICAL SYMBOLS LEGEND

MAY BE USED ON PROJECT NOTE - NOT ALL SYMBOLS

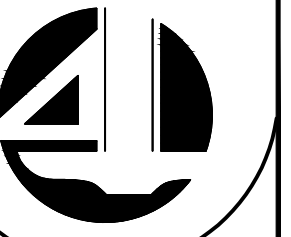
SYMBOLS	DESCRIPTION		
	DUPLEX RECEPTACLE, MTD. +18" AFF		JUNCTION BOX, FLUSH IF POSSIBLE
	240 VOLT RECEPTACLE (HT. AS REQ.)		DISCONNECT SWITCH W/ STARTER
	QUADRUPLEX RECEPTACLE, MTD. +18"		DISCONNECT SWITCH
	COUNTERTOP HT. RECEPTACLE +42"		TRANSFORMER - SIZE AS NOTED
	DUPLEX RECEPTACLE - IN WEATHER PROOF ENCLOSURE OR COVER, GROUND FAULT INTERRUPTER.		PANEL - SIZE AS NOTED
	SINGLE POLE SWITCH, MTD +47"		F-FAN; M-MOTOR; P-PUMP
	LIGHT REDUCTION DUAL SWITCH FOR ALTERNATE LUMINARIES, MTD +47"		CKT. HOMERUN (B INDICATES PANEL) "2" DESIGNATES CIRCUIT NUMBER
	LIGHT REDUCTION DIMMER SWITCH, MTD +47"		EXIT/EMERGENCY LIGHT W. BATTERY BACK-UP.
	OCCUPANCY SENSOR SWITCH, MTD +47"		EMERGENCY LIGHT W. BATTERY BACK-UP.
	DAYLIGHT RESPONSIVE LIGHTING CONTROLS		REMOTE HEAD W.BATTERY BACK-UP.
	LIGHTING CONTROL PANEL (TIME CLOCK)		2X4 LED PANEL LIGHT
	SIGN CONTROL (TIME CLOCK)		CHANDELIER
	FIRE SUPPRESSION PULL STATION MOUNTED AT 44" AFF.		RECESSED LIGHTING FIXTURE
	CLASS "K" FIRE EXTINGUISHER (INSTALL MAX. 40" AFF. TO THE TOP OF THE HANDLE)		PENDANT LIGHTING FIXTURE
			HOOD LIGHT
			LED LIGHT



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NO.	DATE	DESCRIPTION

DATE: 03/18/2026
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E-2

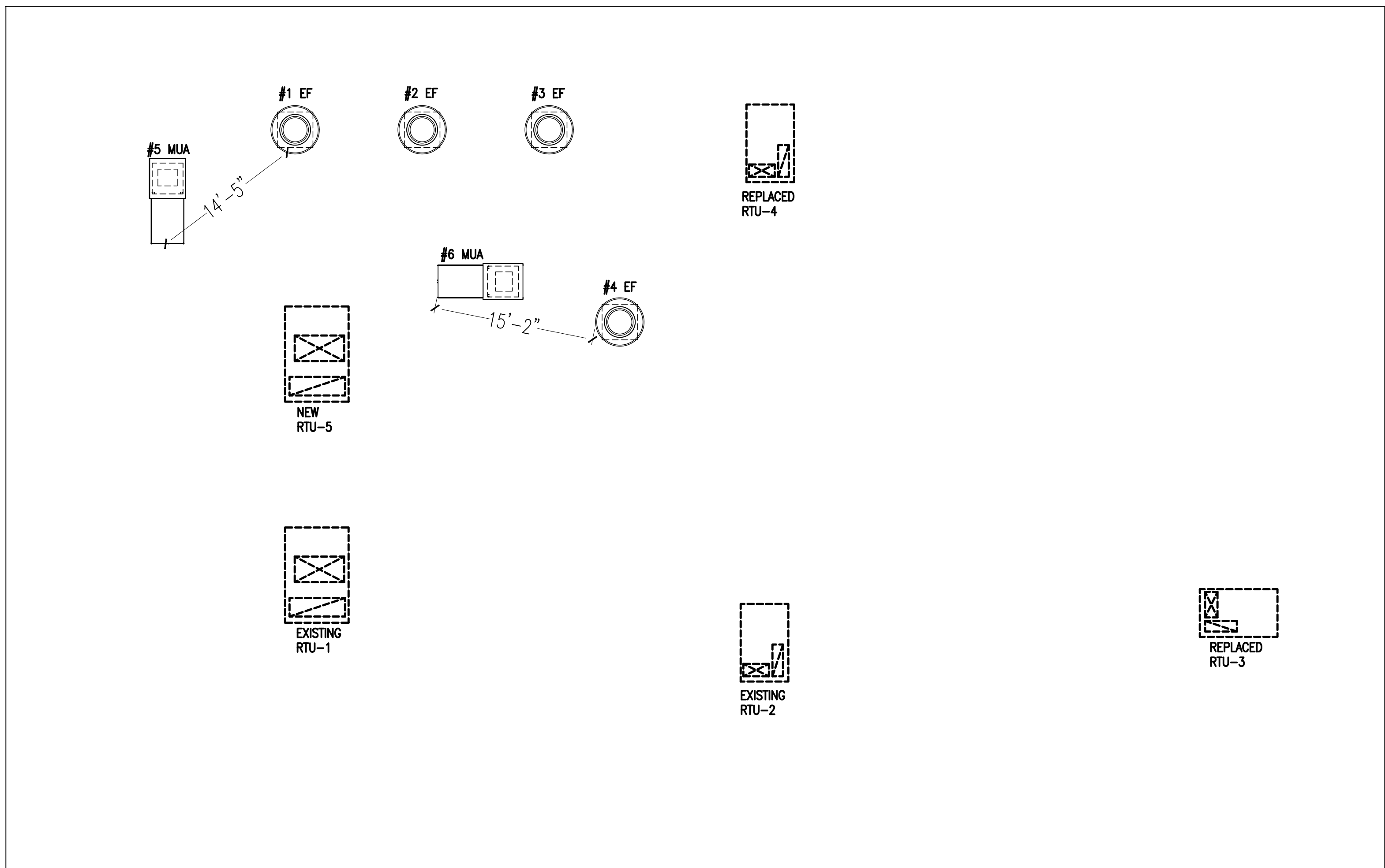
PANEL: MDP (EXISTING)		PANEL SCHEDULE													
MAINS: 800A MCB		VOLTAGE: 120/208V			PHASE: 3		WIRE: 4		MOUNTING: FLUSH			BREAKER		DESCRIPTION	
DESCRIPTION	WIRE	POLE	AMP	WATTS			CKT NO.	CKT NO.	WATTS			AMP	POLE	WIRE	DESCRIPTION
				A	B	C			A	B	C				
EXISTING RTU-1	3	3	100	6100			1	2	3290			50	3	8	EXISTING RTU-2
REPLACED RTU-3	4	3	70	4690	6100		7	8	4690			70	3	4	REPLACED RTU-4
NEW RTU-5	3	3	100	6100	6100		13	14	13358			225	3	4/0	EXISTING PANEL "LP1"
EXISTING PANEL "LP-CR"	3/0	3	200	12001	14624		19	20	20308			225	3	4/0	EXISTING PANEL "LP2"
EXISTING PANEL "LP-SP"	3	3	100	6000	5800		21	22	19888			225	3	4/0	EXISTING PANEL "LP3"
SPACE							23	24	12426						SPACE
SPACE							25	26	12426						SPACE
SPACE							27	28	12426						SPACE
SPACE							29	30	8976						SPACE
SPACE							31	32							SPACE
SPACE							33	34							SPACE
SPACE							35	36							SPACE
SPACE							37	38							SPACE
SPACE							39	40							SPACE
SPACE							41	42							SPACE
TOTAL FOR PHASE	A			88963	741.36	AMPS									
TOTAL FOR PHASE	B			93384	778.20	AMPS									
TOTAL FOR PHASE	C			87962	733.02	AMPS									
TOTAL CONNECTED LOAD:				270309		AMPS:	34891	37314	36481	54072	56070	51481			

PANEL: LP1 (EXISTING)		PANEL SCHEDULE													
MAINS: 225A MAIN LUG		VOLTAGE: 120/208V			PHASE: 3		WIRE: 4		MOUNTING: SURFACE			BREAKER		DESCRIPTION	
DESCRIPTION	WIRE	POLE	AMP	WATTS			CKT NO.	CKT NO.	WATTS			AMP	POLE	WIRE	DESCRIPTION
				A	B	C			A	B	C				
RECEPTACLE (SHOW WINDOW)	12	1	20	130			1	2	500			20	1	12	RECEPTACLE (SHOW WINDOW)
RECEPTACLE (SHOW WINDOW)	12	1	20	360			3	4	1000			20	1	12	RECEPTACLE (SHOW WINDOW)
RECEPTACLE (SHOW WINDOW)	12	1	20	450			5	6	1000			20	1	12	RECEPTACLE (SHOW WINDOW)
EXIS. BSMT LIGHTING	12	1	20	350			7	8	825			20	1	12	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	481			9	10	1308			20	1	12	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	326			11	12	1440			20	1	12	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	182			13	14	1440			20	1	12	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	1047			15	16	1440			20	1	12	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	1112			17	18	949			20	1	12	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	891			19	20	1080			20	1	12	EXIS. BSMT LIGHTING
RECEPT. (TOILETS)	12	1	20	1200			21	22	720			20	1	12	RECEPT. (TOILETS)
RECEPT. (OPEN KITCHEN)	12	1	20	800			23	24	720			20	1	12	RECEPT. (OPEN KITCHEN)
RECEPT. (BAR)	12	1	20	800			25	26	1440			20	1	12	RECEPT. (BAR)
RECEPT. (CASHIER)	12	1	20	2500			27	28	720			20	1	12	RECEPT. (CASHIER)
RECEPT. (WATER STATION)	12	1	20	2500			29	30	1080			20	1	12	RECEPT. (WATER STATION)
SPARE				2500			31	32	720			20	1	12	SPARE
SPARE				2500			33	34							SPARE
SPARE				2500			35	36							SPARE
SPARE				2500			37	38							SPARE
SPARE				2500			39	40							SPARE
SPARE				2500			41	42							SPARE
TOTAL FOR PHASE	A			13358			111.32		6005	5188	5189				
TOTAL FOR PHASE	B			15776			131.47								
TOTAL FOR PHASE	C			15377			128.14								
TOTAL CONNECTED LOAD:				44511			AMPS:	7353	10588	10188					

PANEL: LP2 (EXISTING)		PANEL SCHEDULE													
MAINS: 225A MAIN LUG		VOLTAGE: 120/208V			PHASE: 3		WIRE: 4		MOUNTING: SURFACE			BREAKER		DESCRIPTION	
DESCRIPTION	WIRE	POLE	AMP	WATTS			CKT NO.	CKT NO.	WATTS			AMP	POLE	WIRE	DESCRIPTION
				A	B	C			A	B	C				
RECEPTACLE (SHOW WINDOW)	12	1	20	1196			1	2	1196			20	3	12	RECEPTACLE (SHOW WINDOW)
RECEPTACLE (SHOW WINDOW)	12	1	20	1196			3	4	1196			20	3	12	RECEPTACLE (SHOW WINDOW)
RECEPTACLE (SHOW WINDOW)	12	1	20	1196			5	6	1196			20	3	12	RECEPTACLE (SHOW WINDOW)
EXIS. BSMT LIGHTING	12	1	20	1196			7	8	2277			40	3	8	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	1196			9	10	2277			40	3	8	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	1196			11	12	2277			40	3	8	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	1196			13	14	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	1196			15	16	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	1196			17	18	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			19	20	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			21	22	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			23	24	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			25	26	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			27	28	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			29	30	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			31	32	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			33	34	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			35	36	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			37	38	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			39	40	2500			30	2	10	EXIS. BSMT LIGHTING
EXIS. BSMT LIGHTING	12	1	20	3887			41	42	2500			30	2	10	EXIS. BSMT LIGHTING
TOTAL FOR PHASE	A			20308			169.23		9335	8915	9775				
TOTAL FOR PHASE	B			19888			165.73								
TOTAL FOR PHASE	C			19148			159.57								
TOTAL CONNECTED LOAD:				59344			AMPS:	9335	8915	9775					

DEMAND LOAD CALCULATION				
NEC ARTICLE NUMBER	DEMAND FACTOR (%)	DESCRIPTION	CONNECTED LOAD (WATTS)	DEMAND LOAD (WATTS)
SPECIFIC APPLIANCES 220-14 (A)			0	0
RECEPTACLES 220-44	100	FIRST 10KVA	10000	10000
	50	OVER 10KVA	8040	4020
LIGHTS & SIGNS 220-42	125		27571	34464
SHOW WINDOW 220-43	100		2500	2500
EQUIPMENT 220-56	100	1 OR 2 UNITS	0	0
	90	3 UNITS	0	0
	80	4 UNITS	0	0
	70	5 UNITS	0	0
	65	6 UNITS	147588	95932
MOTOR 220-50	100		56310	56310
	125	LARGEST	18300	22875
TOTAL WATTS			270309	226101
TOTAL AMPS			750.9	628.1

PANEL: LP3 (EXISTING)		PANEL SCHEDULE													
MAINS: 225A MAIN LUG		VOLTAGE: 120/208V			PHASE: 3		WIRE: 4		MOUNTING: SURFACE			BREAKER		DESCRIPTION	
DESCRIPTION	WIRE	POLE	AMP	WATTS			CKT NO.	CKT NO.	WATTS			AMP	POLE	WIRE	DESCRIPTION
				A	B	C			A	B	C				
WALK-IN FREEZER COMPRESSOR W/ EVAP.	12	2	20	1250			1	2	800			20	2	12	WALK-IN COOLER COMPRESSOR W/ EVAP.
FREEZER EVAP & LTGS	12	1	20	360			3	4	800			360	2	12	COOLER EVAP & LTGS
WALK-IN FREEZER COMPRESSOR W/ EVAP.	12	2	20	1800			7	8	900			20	1	12	WALK-IN COOLER COMPRESSOR W/ EVAP.
FREEZER EVAP & LTGS	12	1	20	360			9	10	900			20	1	12	COOLER EVAP & LTGS
SPARE							11	12	360			20	1	12	COOLER EVAP & LTGS
SPARE							13	14							SPARE
SPARE							15	16							SPARE
HOT BUFFET	12	2	20	2500			17	18	636			20	3	12	EXIS. BSMT CONVEYOR
HOT BUFFET	12	2	20	2500			19	20	636			20	3	12	EXIS. BSMT CONVEYOR
HOT BUFFET	12	2	20	2500			21	22	636			20	3	12	EXIS. BSMT CONVEYOR
SPARE							23	24	1500			20	2	12	EXIS. EUH-1
SPARE							25	26	1500			20	2		



ROOF PLAN

SCALE: 1/16"=1'-0"

NOTE:
EXHAUST FAN SHALL BE 10' AWAY FROM ANY INTAKE AIR FAN.

MECHANICAL NOTES

1. THE CONTRACTOR SHALL EXAMINE ALL OTHER SPECIFICATIONS, DRAWING AND ALL OTHER FEATURES OF BUILDING CONSTRUCTION WHICH MAY AFFECT HIS WORK AND BE GOVERNED BY THESE SPECIFICATIONS, INCLUDING THE GENERAL CONDITIONS AND PARTICULAR INSTRUCTIONS TO ALL BIDDERS AND SUPPLIERS.
2. ALL WORK SHALL BE EXECUTED AND INSPECTED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND/ OR STATE CODES, LAWS, OR DANCES, RULES, AND REGULATIONS APPLICABLE TO THIS PARTICULAR CLASS OF WORK, AND EACH CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL SERVICE CHARGES, FEES, PERMITS, ROYALTIES, TAXES, AND OTHER SIMILAR COST IN CONNECTION THEREWITH.
3. PRIOR TO FABRICATION OF DUCTWORK, CONTRACTOR SHALL EXAMINE AND VERIFY ALL CONDITIONS ABOVE AND BELOW THE CEILING WHICH MAY INTERFERE WITH THE DUCT SYSTEM AND NOTIFY THE ARCHITECTS OF ANY CONFLICT ENCOUNTERED. CONTRACTOR SHALL PROVIDE ALL OFFSETS ETC. WHICH MAY BE REQUIRED, WITHOUT ADDITIONAL COST TO THE OWNER.
4. ALL SHEET METAL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH "SMACNA" LOW PRESSURE DUCT CONSTRUCTION STANDARDS.
5. TURNING VANES SHALL BE INSTALLED IN ALL BENDS EXCEED 30 DEGREES.
6. ALL DUCTS SHALL BE SUPPORTED WITH 1" WIDE, 16 GAUGE GALVANIZED STEEL BANDS.
7. ALL RECTANGULAR DUCT SHALL BE INSULATED WITH A MINIMUM OF 1" INTERNAL LINER, 2 LB. DENSITY. ALL ROUND DUCT AND DIFFUSER TOP SHALL HAVE A MINIMUM OF 2" FOIL BACKED BLANKET TYPE INSULATION WITH ALL JOINTS BUTTED AND TAPPED. INSULATION "R" VALUES SHALL COMPLY WITH GOVERNING ENERGY EFFICIENCY REQUIREMENTS.
8. ALL DUCT DIMENSIONS SHOWN ON PLANS ARE SHEET METAL DIMENSIONS. ALL OWANCE HAS BEEN MADE FOR LINER.
9. CONTRACTOR SHALL COORDINATE LOCATION OF ALL SUPPLY AND RETURN AIR REGISTERS, DUCT, GRILLES, AND DIFFUSERS WITH LIGHTS AND CEILING PATTERNS.
10. SUPPLY AIR DIFFUSERS SHALL BE KRUEGER MODEL 1104 WITH OPPOSED BLADE DAMPERS AND FRAME 23 FOR LAY-IN CEILING.
11. MOUNT THERMOSTAT AT 48" MAXIMUM ABOVE THE FINISHED FLOOR.
12. PROVIDED U.L.F.D. AT ALL DUCT OR AIR DISTRIBUTION PENETRATIONS OF RATED WALLS, FLOORS, OR CEILING ASSEMBLES W/ ACCESS.
13. PROVIDE CONDENSATE DRAIN W/ TRAP AT UNITS WITH DRAIN TO OPN'G BY PLUMBING CONTRACTOR COORDINATE W/ PLBG. CONTRACTOR.
14. MECHANICAL CONT'R SHALL CONFER W/ ELECTRICAL CONT'R & COORDINATE ALL POWER REQUIREMENTS POINTS OR CONNECTION ETC. COORDINATE W/ PLBG. CONTRACTOR TO INSURE PROPER CONDENSATE DRAINS.

GENERAL NOTES

1. VENTILATORS & DUCT SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SECTION 506.3.1 THROUGH 506.3.13.3 OF 2024 INTERNATIONAL MECHANICAL CODE.
2. EXHAUST HOOD SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SECTION 507.1, 507.2, 507.4, 507.5 & 507.6.
3. TYPE I HOODS SHALL CONSTRUCTED OF STEEL NOT LESS THAN 0.0466 INCH (1.181MM) (NO. 18 GAGE) IN THICKNESS, OR STAINLESS STEEL NOT LESS THAN 0.0335 INCH (0.8525MM) (NO. 20 MSG) IN THICKNESS (507.2.3).
4. EXHAUST FAN HOUSING SERVING A TYPE I HOODS SHALL BE CONSTRUCTED OF STEEL (506.5.1). EXHAUST FAN MOTORS SHALL BE LOCATED OUTSIDE OF THE EXHAUST AIRSTREAM (506.5.1.1).
5. GREASE DUCTS SERVING A TYPE I HOOD SHALL BE CONSTRUCTED OF STEEL NOT LESS THAN 0.0575 INCH (1.463 MM) (NO. 16 GAGE) OR STAINLESS STEEL NOT LESS THAN 0.045 INCH (1.14 MM) (NO. 18 GAGE) IN THICKNESS (506.3.1.1). ALL SEAMS, JOINTS, AND PENETRATION OF GREASE DUCTS SHALL BE MADE WITH A CONTINUOUS LIQUID-TIGHT WELD OR BRAZE MADE ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM (506.3.2). DUCT JOINTS SHALL BE BUTT JOINTS OR OVERLAPPING DUCT JOINTS OF EITHER THE TELESCOPING OR BELL TYPE PER (506.3.2.1). DUCT-TO-HOOD JOINTS PER (506.3.2.2). DUCT-TO-EXHAUST FAN CONNECTIONS PER (506.3.2.3). VIBRATION ISOLATION PER (506.3.2.4), AND GREASE DUCT SUPPORTS PER 506.3.3.
6. GREASE DUCT SYSTEMS AND EXHAUST EQUIPMENT SERVING A TYPE I HOOD SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18 INCHES (457 MM) (506.3.6).
7. THE FIRE EXTINGUISHER SYSTEM MUST BE INSTALLED BY A LOCAL LICENSED COMPANY. SEPARATE PLAN MUST BE SUBMITTED TO LOCAL FIRE DEPT. FOR APPROVAL.
8. ALL ELECTRICAL WORK MUST BE DONE BY LOCAL LICENSED ELECTRICIAN.

SEQUENCE OF OPERATION

HVAC:
OCCUPIED:
 UNIT FAN SHALL BE RUN CONTINUOUSLY, TWO STAGE GAS HEATING OR TWO STAGE COOLING SHALL CYCLE STAGES ON/OFF AS NECESSARY AND VARY FAN SPEED AS REQUIRED TO MEET OCCUPIED SET POINT. GAS HEATING UNIT SHALL MAINTAIN A MINIMUM INDOOR TEMPERATURE OF 68°F (20°C)

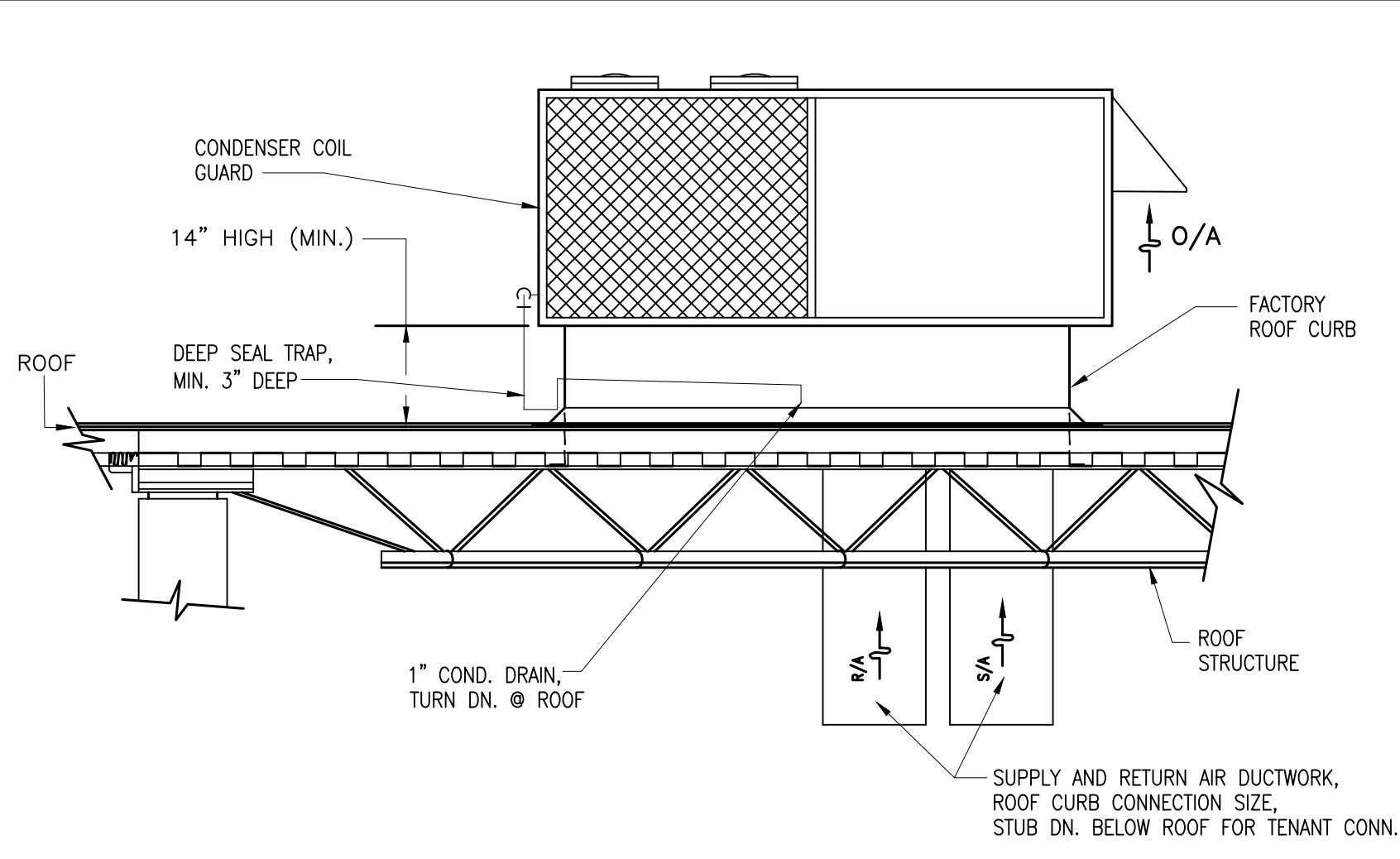
UNOCCUPIED:
 UNIT FAN AND TWO STAGE GAS HEATING OR STAGE COOLING SHALL CYCLE STAGES ON/OFF AS NECESSARY AND VARY FAN SPEED AS REQUIRED TO MEET OCCUPIED SET POINT. GAS HEATING UNIT SHALL MAINTAIN A MINIMUM INDOOR TEMPERATURE OF 68°F (20°C)

EXHAUST FAN:
 EXHAUST FAN SHALL CYCLE ON (OCCUPIED) OFF (UNOCCUPIED) BY MEANS OF INDIVIDUAL WALL SWITCH ON/OFF CONTROLS

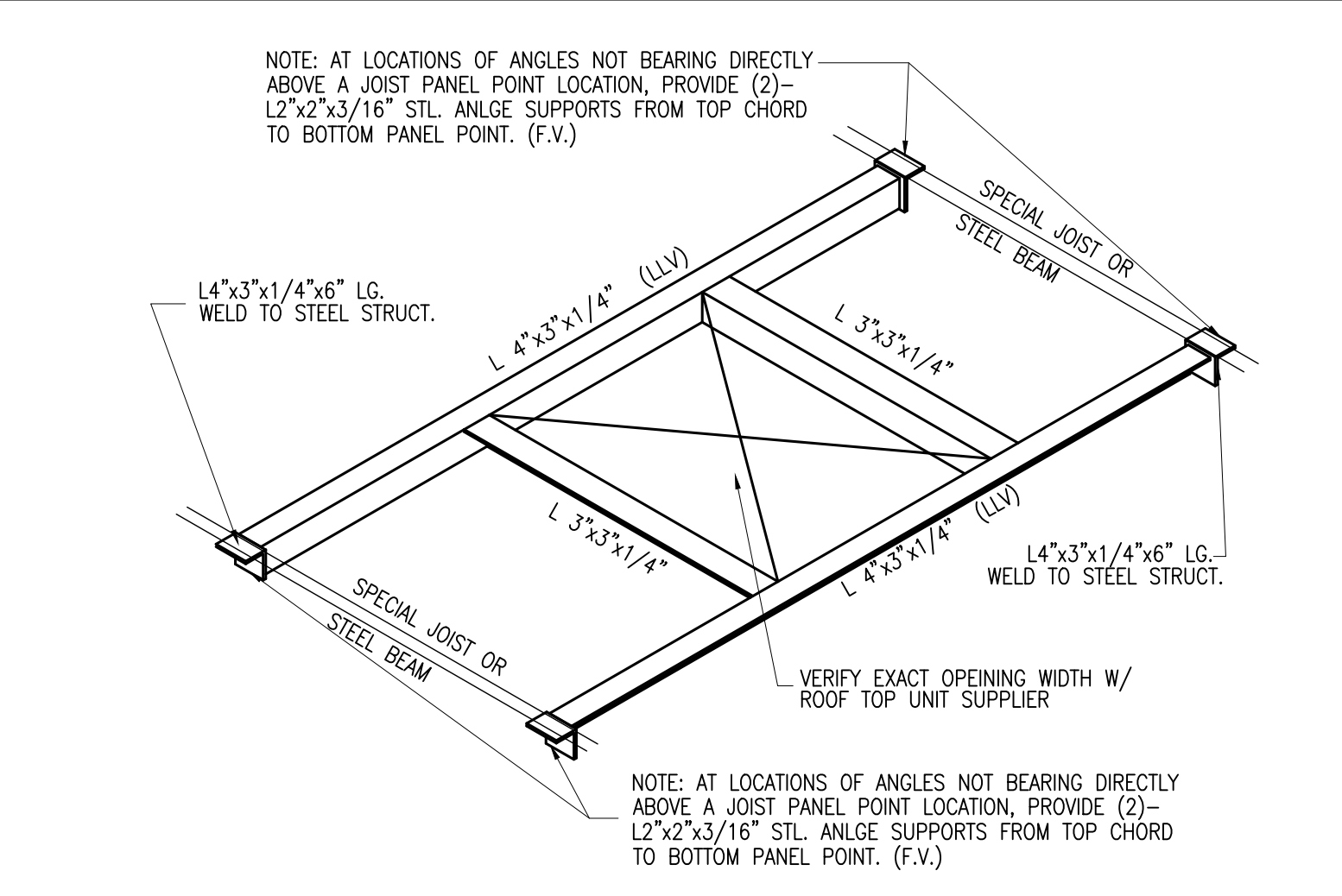
MAKE-UP AIR FAN:
 MAKE-UP AIR FAN SHALL CYCLE ON (OCCUPIED) OFF (UNOCCUPIED) BY MEANS OF INDIVIDUAL WALL SWITCH ON/OFF CONTROLS

TOILET FANS:
 EXHAUST FANS SHALL CYCLE ON (OCCUPIED) OFF (UNOCCUPIED) BY MEANS OF LIGHT SWITCH ON/OFF CONTROLS

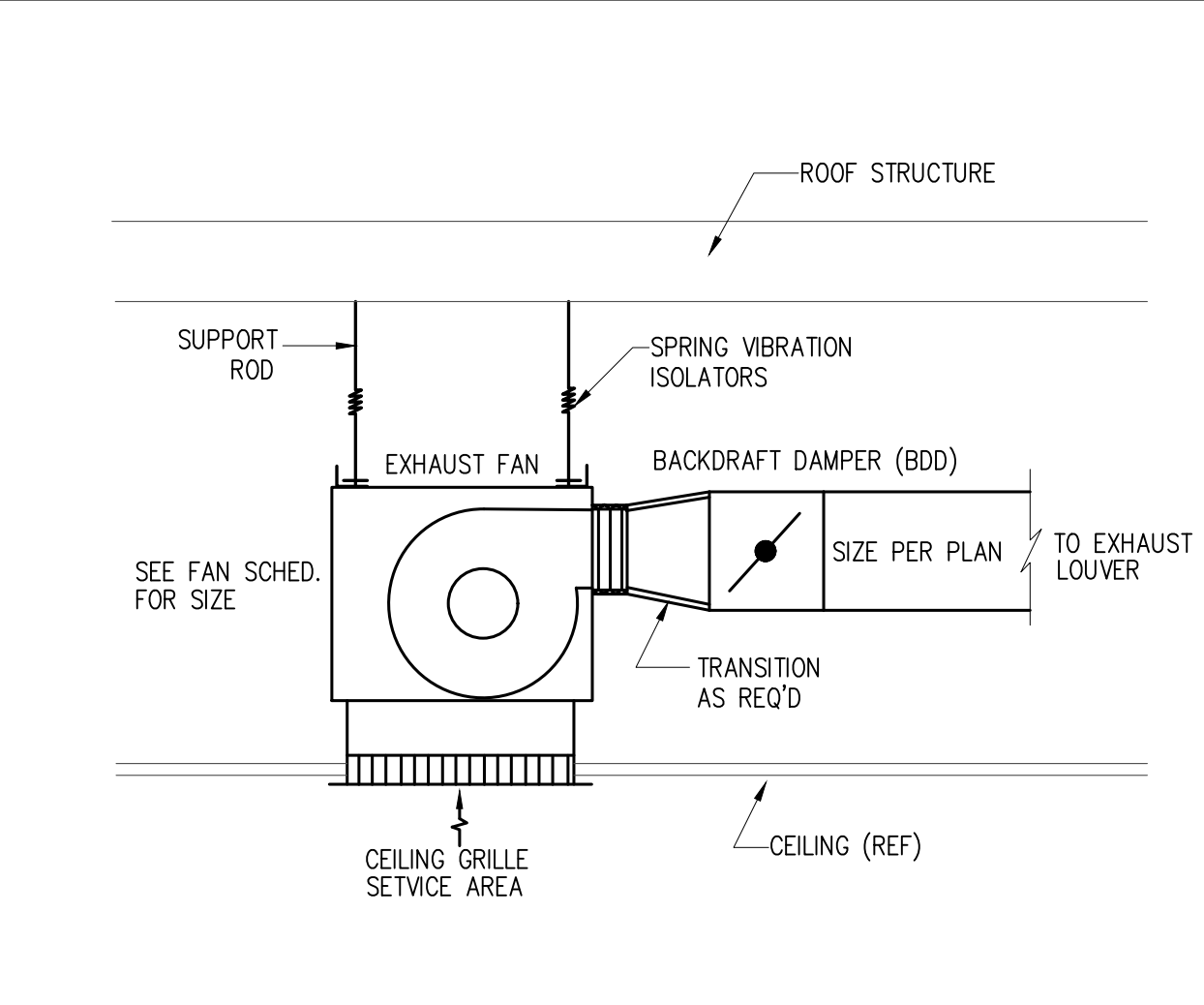
TYPICAL ROOFTOP UNIT MOUNTING DETAIL



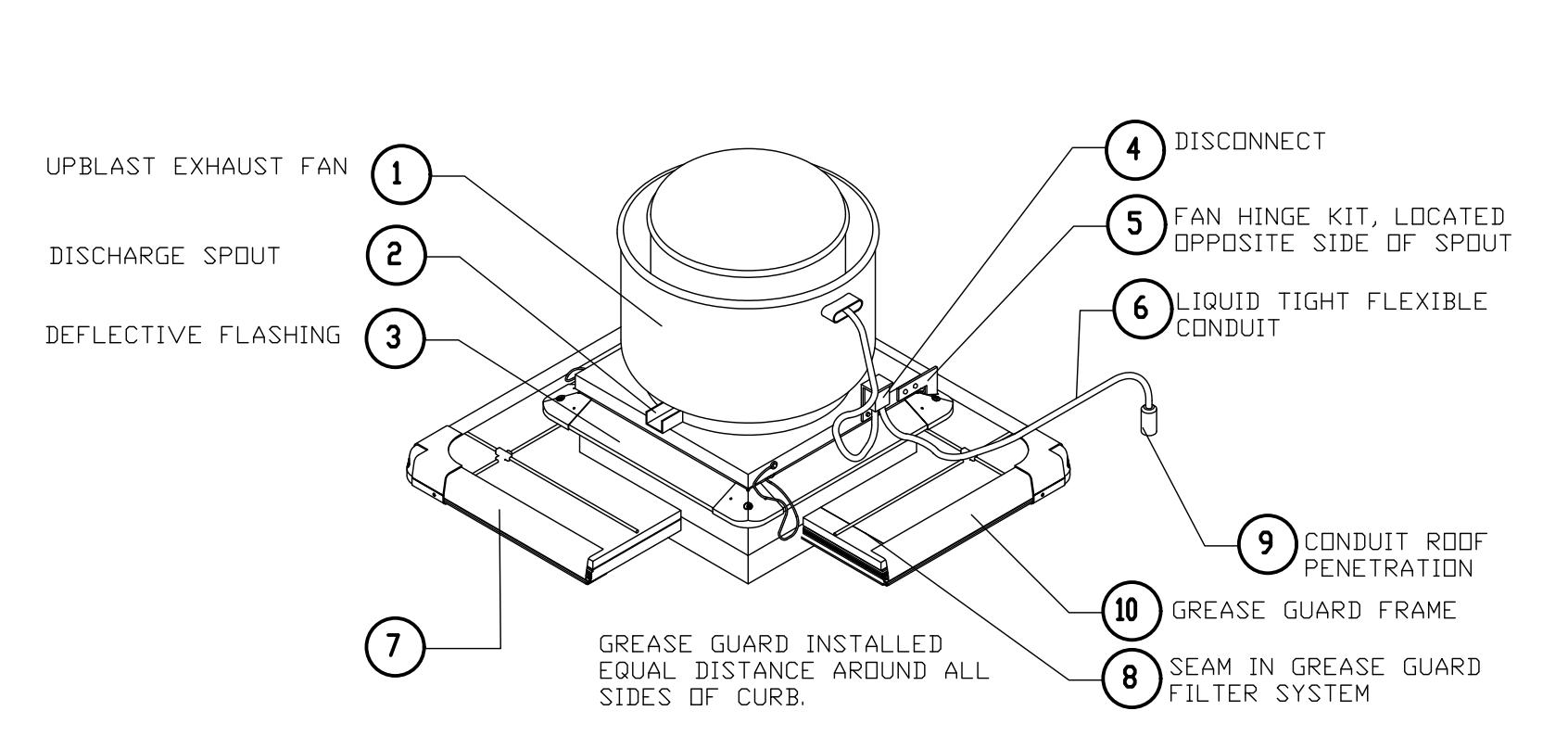
DETAIL @ RTU ANGLE FRAMING



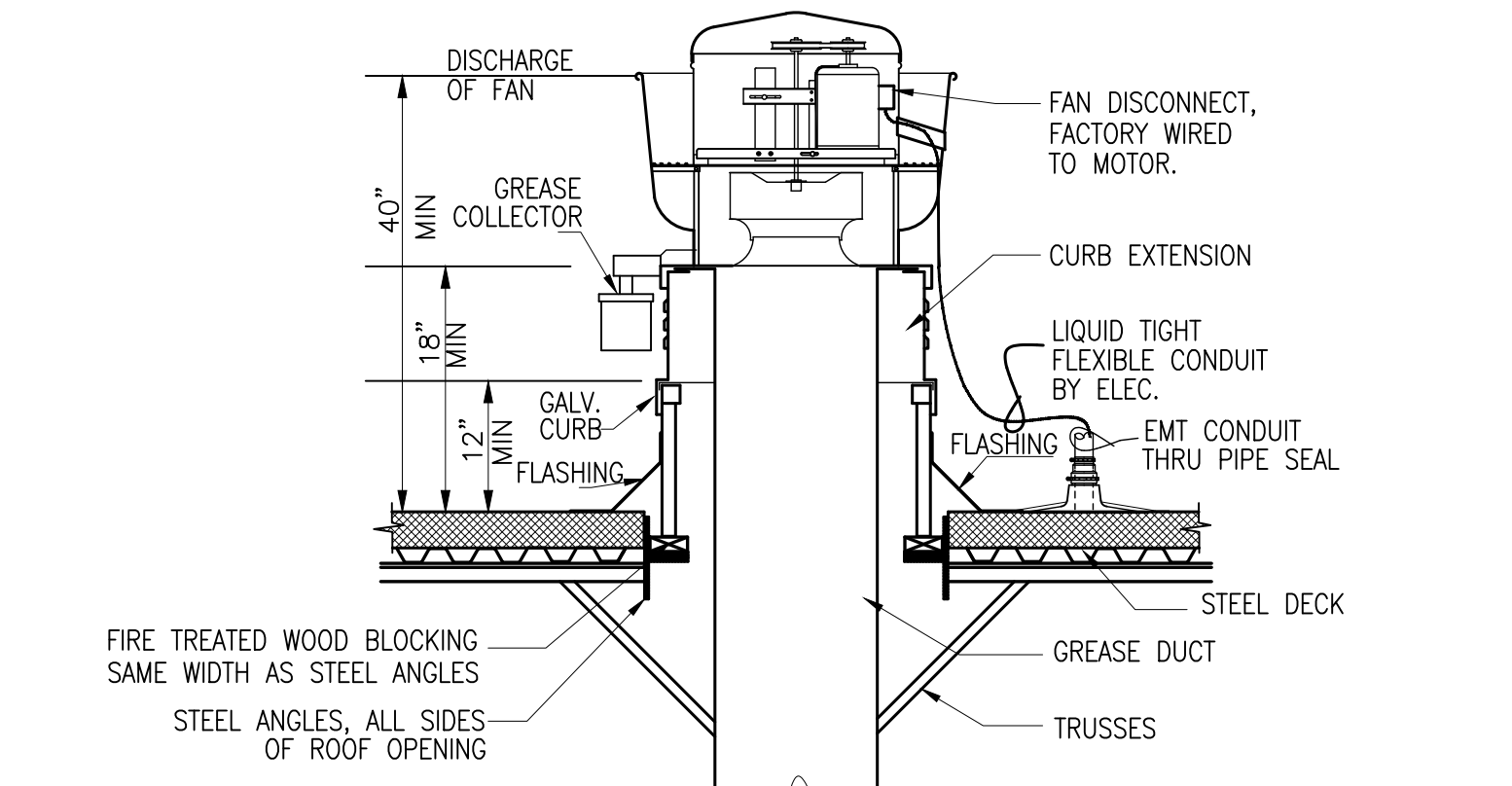
TOILET CEILING EXHAUST FAN DETAIL



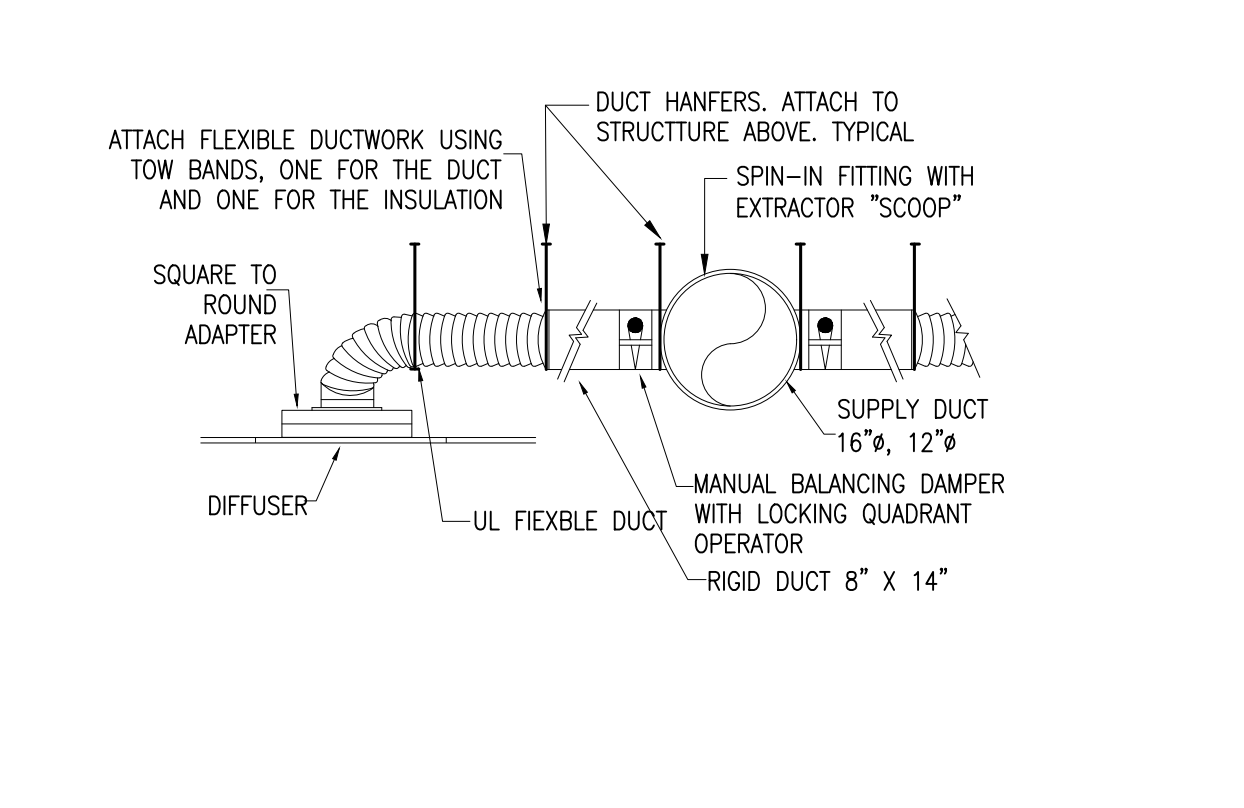
GREASE GUARD SPECIFICATION (CUT-AWAY VIEW)



ROOF TOP UNIT SUPPORT DETAIL



DUCT CONNECTION DETAIL



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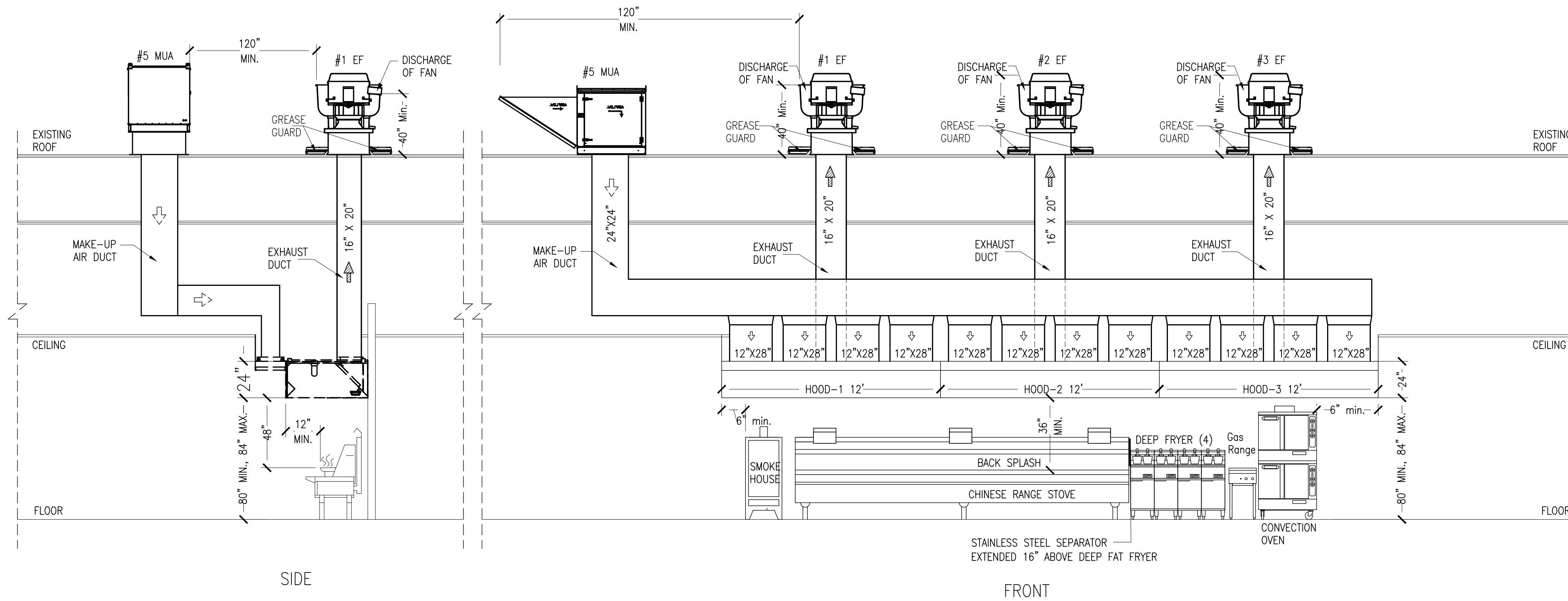
1010 PARK AVE.
 CRANSTON, RI 02920

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 03/18/2026
 SCALE: AS DRAWING
 DRAWN:
 JOB NO. A26-031

M-2



VENTILATION PLAN (KITCHEN) N.T.S

CALCULATION:

HOOD-1 (CANOPY HOOD): 3,300 CFM
 EXHAUST DUCT SIZE: 16" X 20" / 144 = 2.2 SQ. FT.
 EXHAUST DUCT AIR VELOCITY: 3,300 / 2.2 = 1,500 FPM

HOOD-2 (CANOPY HOOD): 3,300 CFM
 EXHAUST DUCT SIZE: 16" X 20" / 144 = 2.2 SQ. FT.
 EXHAUST DUCT AIR VELOCITY: 3,300 / 2.2 = 1,500 FPM

HOOD-3 (CANOPY HOOD): 3,300 CFM
 EXHAUST DUCT SIZE: 16" X 20" / 144 = 2.2 SQ. FT.
 EXHAUST DUCT AIR VELOCITY: 3,300 / 2.2 = 1,500 FPM

HOOD-4 (ISLAND HOOD): 4,900 CFM
 EXHAUST DUCT SIZE: 24" X 16" / 144 = 2.7 SQ. FT.
 EXHAUST DUCT AIR VELOCITY: 4,900 / 2.7 = 1,814 FPM

MAKE-UP AIR: 3,920 CFM
 MAKE-UP AIR DUCT SIZE: 18" X 18"

MAKE-UP AIR (HOOD-1,2&3): 7,920 CFM
 MAKE-UP AIR DUCT SIZE: 24" X 24"

HOOD CALCULATIONS

E-CON AIR CANOPY HOOD (ND-2) PERFORMANCE (UL 710 LISTED)		
AVG COOKING SURFACE TEMP. (°F)	CONFIGURATION	MIN. EXHAUST CFM/FT.
450° F - OVENS, STEAMERS, KETTLES, OPEN-BURNER RANGES, GRIDDLES, FRYERS	SINGLE WALL HOOD 2 WALL HOODS BACK-TO-BACK	150
600° F - GAS CHARBROILERS, ELECTRIC CHARBROILERS, WOKS	SINGLE WALL HOOD 2 WALL HOODS BACK-TO-BACK	200
700° F - MESQUITE GRILLS, CHARCOAL CHARBROILERS, WOOD BURNING APPLIANCES	SINGLE WALL HOOD 2 WALL HOODS BACK-TO-BACK	250

E-CON AIR ISLAND HOOD (ND-2WI) PERFORMANCE (UL 710 LISTED)		
AVG COOKING SURFACE TEMP. (°F)	CONFIGURATION	MIN. EXHAUST CFM/FT.
450° F - OVENS, STEAMERS, KETTLES, OPEN-BURNER RANGES, GRIDDLES, FRYERS	SINGLE ISLAND HOOD	269
600° F - GAS CHARBROILERS, ELECTRIC CHARBROILERS, WOKS	SINGLE ISLAND HOOD	300
700° F - MESQUITE GRILLS, CHARCOAL CHARBROILERS, WOOD BURNING APPLIANCES	SINGLE ISLAND HOOD	350

RECOMMENDED DUCT SIZING: EXHAUST - BASED ON 1500 FPM

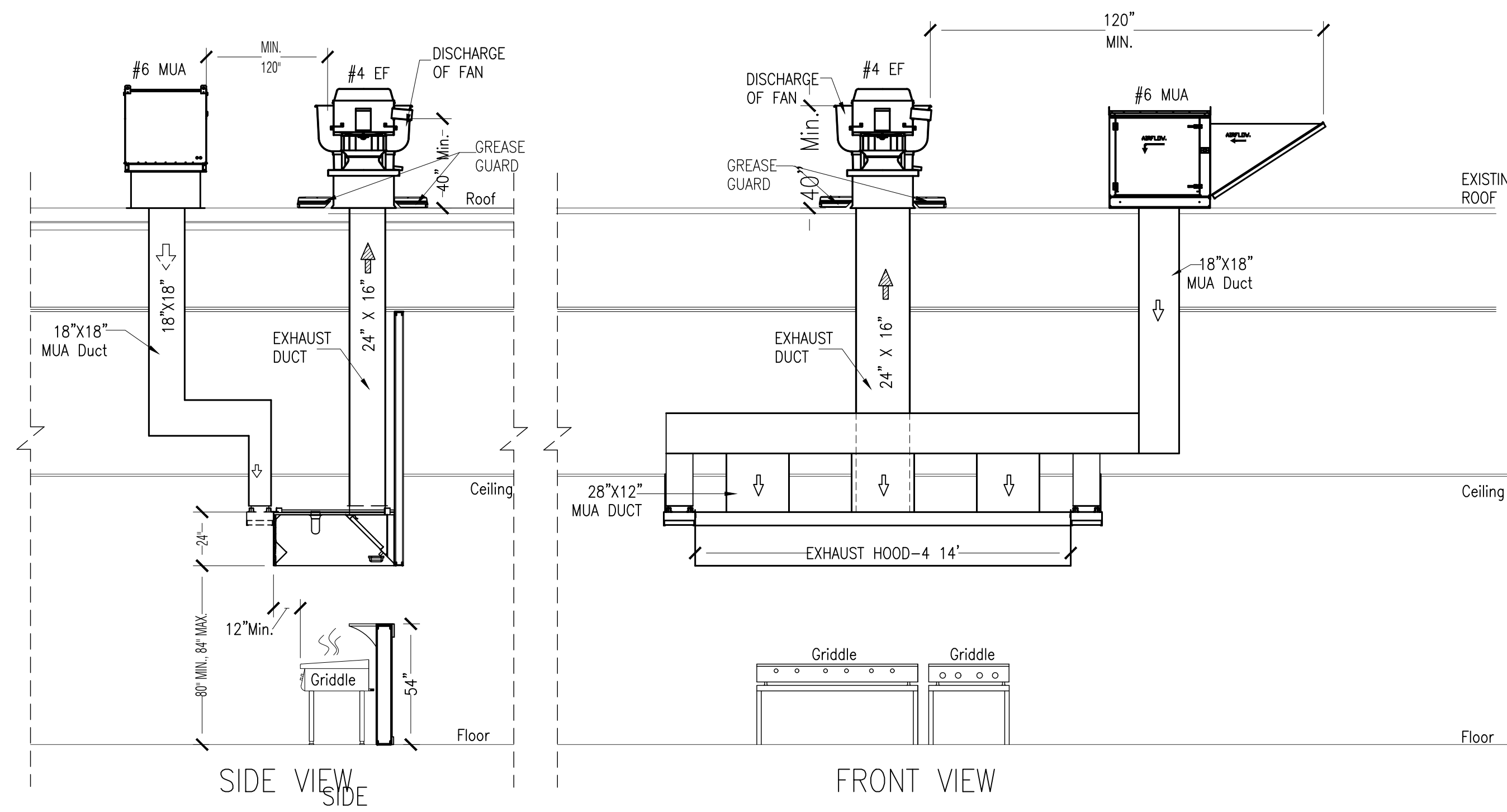
NOTE: 506.3.4 AIR VELOCITY. GREASE DUCT SYSTEMS SERVING A TYPE I HOOD SHALL BE DESIGNED AND INSTALLED TO PROVIDE AN AIR VELOCITY WITHIN THE DUCT SYSTEM OF NOT LESS THAN 500 FEET PER MINUTE (2.5 M/S).

NOTE: PER 2021 IBC-MECHANICAL, 507.1 EXCEPTION 1

FACTORY-BUILT COMMERCIAL EXHAUST HOODS THAT ARE LISTED AND LABELED IN ACCORDANCE WITH UL 710, AND INSTALLED IN ACCORDANCE WITH SECTION 504.1, SHALL NOT BE REQUIRED TO COMPLY WITH SECTIONS 507.1.5, 507.2.3, 507.2.5, 507.2.8, 507.3.1, 507.3.3, 507.4 AND 507.5

VENTILATION NOTES

- VENTILATORS & DUCT SHALL BE DESIGNED, CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SECTION 506.3.1 THROUGH 506.3.13.3 OF 2024 INTERNATIONAL MECHANICAL CODE.
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- ALL ELECTRICAL WORK MUST BE DONE BY LOCAL LICENSED ELECTRICIAN.



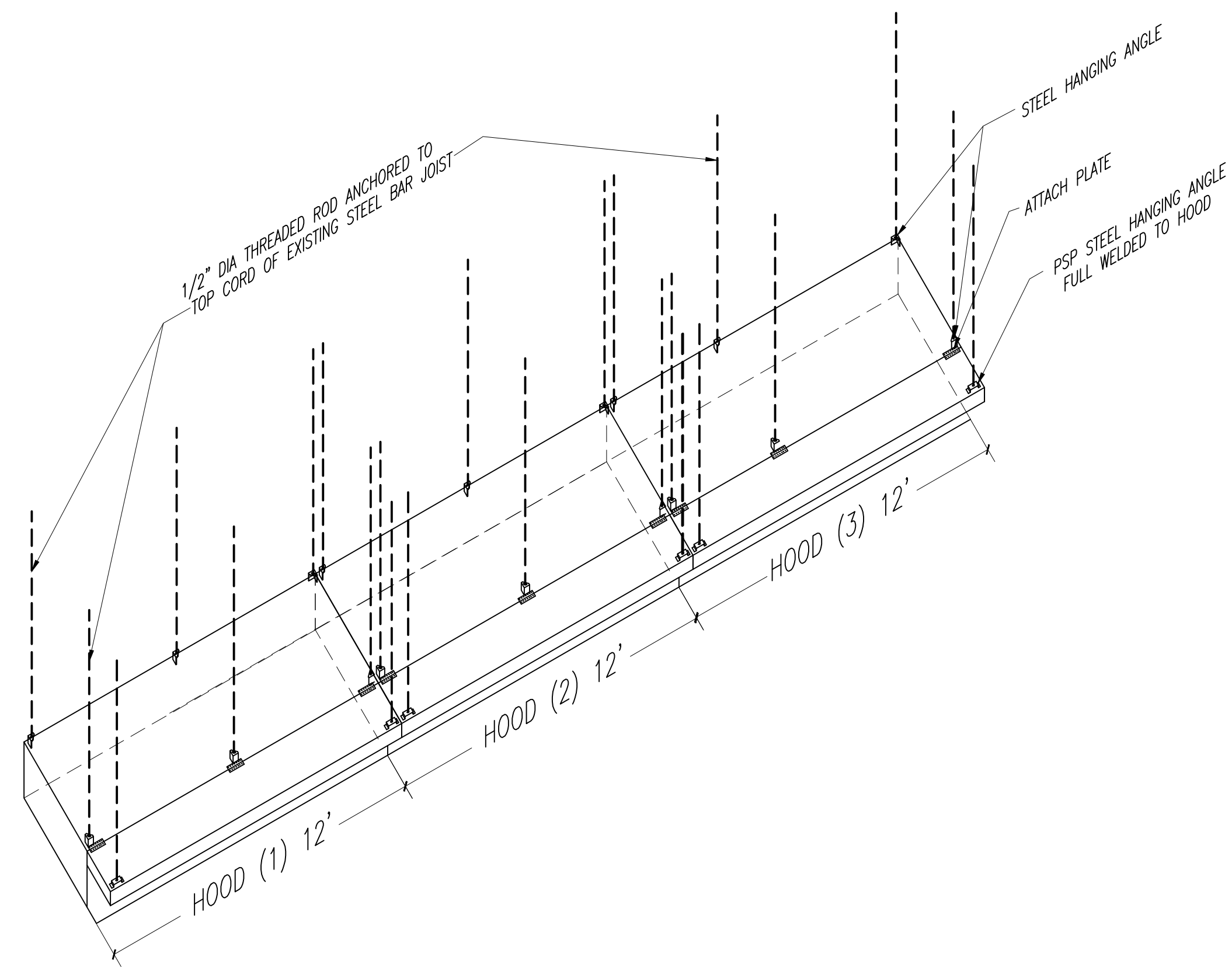
VENTILATION PLAN (OPEN KITCHEN) N.T.S

1010 PARK AVE.
 CRANSTON, RI 02920

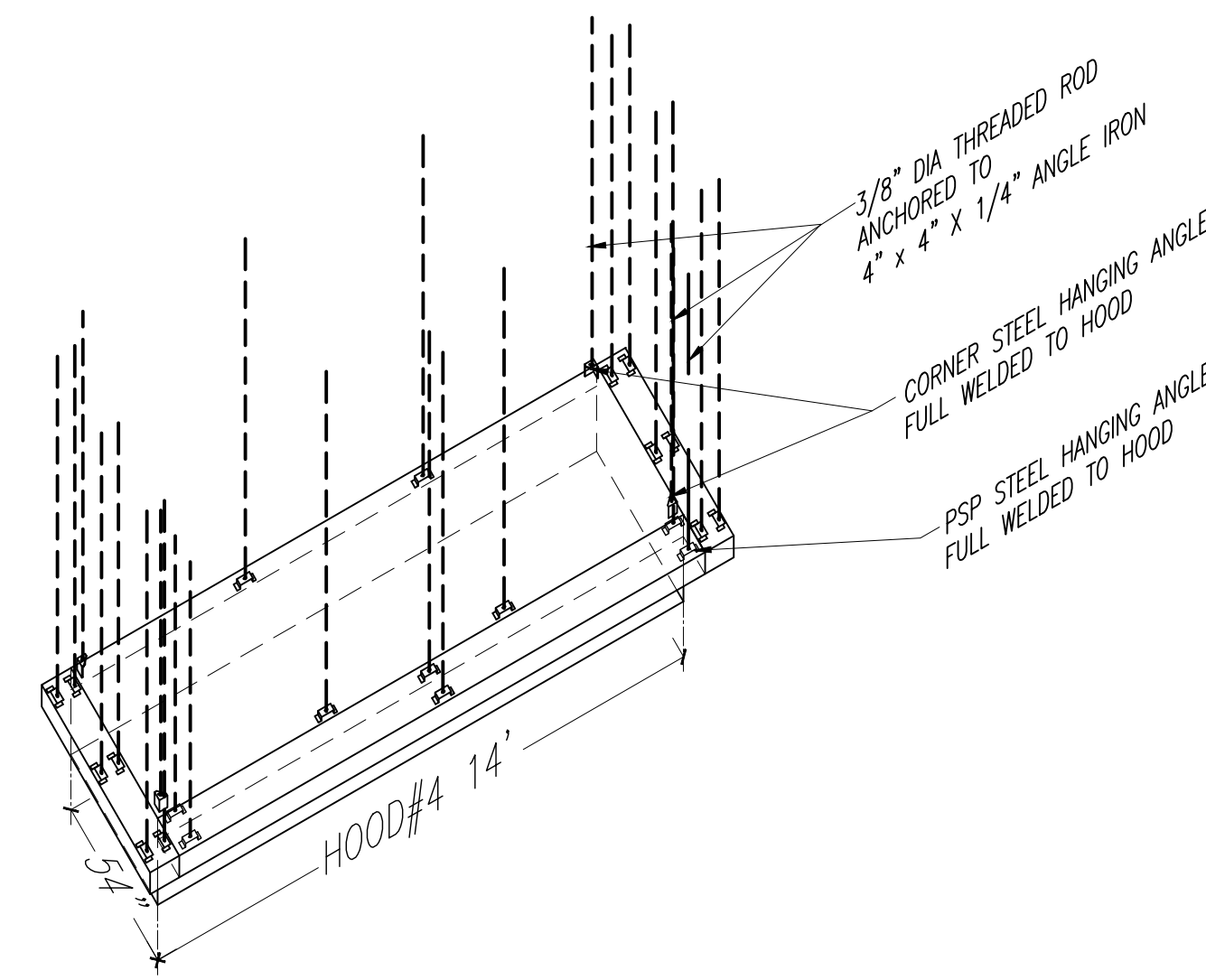
REVISIONS

DATE: 03/18/2026
 SCALE: AS DRAWING
 DRAWN:
 JOB NO. A26-031

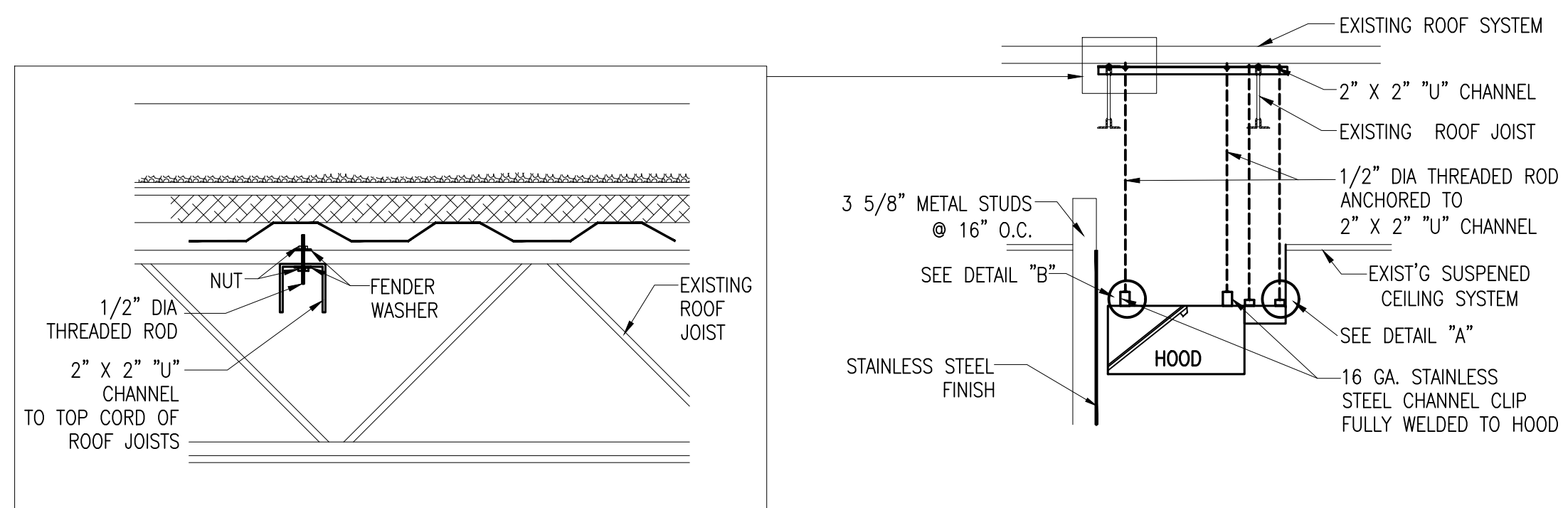
M-3



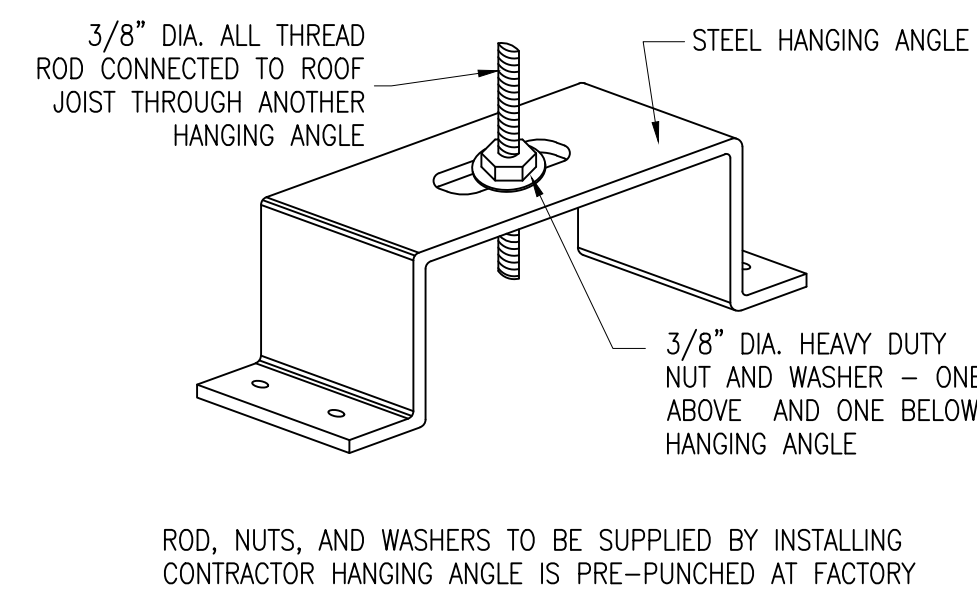
HOOD(1,2&3) ISOMETRIC VIEW SCALE: N.T.S.



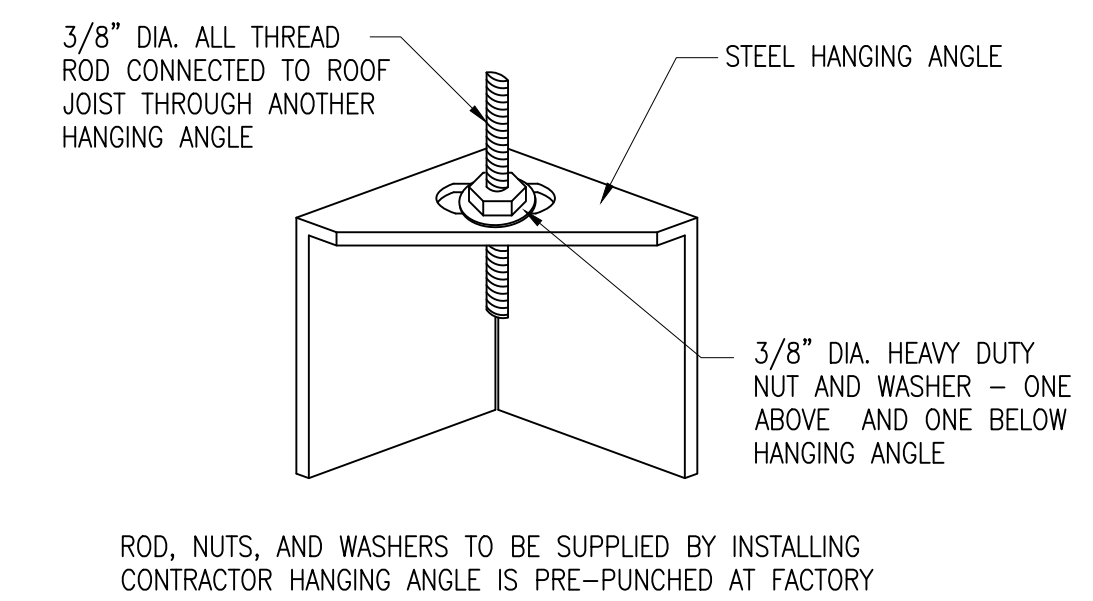
HOOD(4) ISOMETRIC VIEW SCALE: N.T.S.



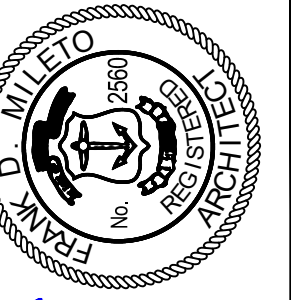
HOOD HANGING SIDE VIEW SCALE: N.T.S.



A PSP HANGING ANGLE SCALE: N.T.S.



B CORNER HANGING ANGLE SCALE: N.T.S.

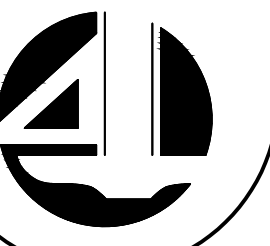


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1010 PARK AVE.
CRANSTON, RI 02920

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 03/18/2026
SCALE: AS DRAWING
DRAWN:
JOB NO. A26-031

M-4

FOR QUESTIONS, CALL THE
NYC Special Accounts
REGION 34
PHONE (917) 671 - 6534
EMAIL reg34@econair.com

PATENT NUMBERS
AC-PSP (UNITED STATES) - US PATENT 7963830 B2
AC-PSP WALL (CANADA) - CA PATENT 2820509
AC-PSP ISLAND (CANADA) - CA PATENT 2820520

HOOD INFORMATION - JOB#539825

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT EXH	TOTAL CFM	EXHAUST PLENUM			TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CORNICE			
										WIDTH	LENG	HEIGHT						
1		5424	ECON-AIR	12' 0"	600 DEG	I	HEAVY	275	3300	16"	20"	4"	3300	1485	-0.471"	2640	430 SS WHERE EXPOSED	LEFT ALONE
2		5424	ECON-AIR	12' 0"	600 DEG	I	HEAVY	275	3300	16"	20"	4"	3300	1485	-0.471"	2640	430 SS WHERE EXPOSED	MIDDLE ALONE
3		5424	ECON-AIR	12' 0"	600 DEG	I	HEAVY	275	3300	16"	20"	4"	3300	1485	-0.471"	2640	430 SS WHERE EXPOSED	RIGHT ALONE
4		5424	ECON-AIR	14' 0"	600 DEG	I	HEAVY	350	4900	16"	24"	4"	4900	1938	-0.767"	3920	430 SS WHERE EXPOSED	ALONE

HOOD INFORMATION

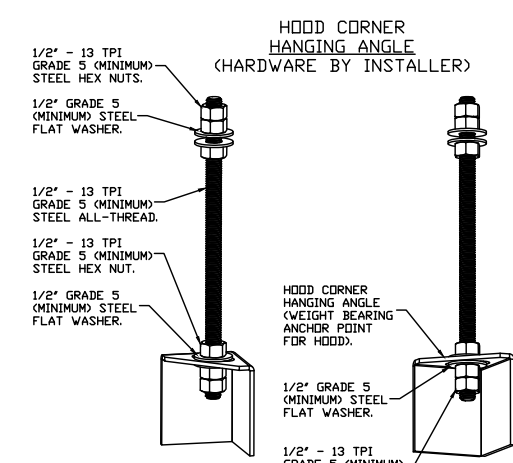
HOOD NO	TAG	TYPE	FILTER(S)		EFFICIENCY @ 7 MICRONS	QTY	LIGHT(S)		WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S)		ELECTRICAL	SWITCHES	FIRE HOOD SYSTEM	HANGING PIPING WEIGHT
			QTY	HEIGHT			LENGTH	TYPE				SIZE	MODEL #				
1		SS BAFFLE WITH HANDLES	9	20"	16"	30%	6	RECESSED ROUND	ND							ND	725 LBS
2		SS BAFFLE WITH HANDLES	9	20"	16"	30%	6	RECESSED ROUND	ND							ND	677 LBS
3		SS BAFFLE WITH HANDLES	9	20"	16"	30%	6	RECESSED ROUND	ND							ND	725 LBS
4		SS BAFFLE WITH HANDLES	10	20"	16"	30%	7	RECESSED ROUND	ND							ND	806 LBS

HOOD OPTIONS

HOOD NO	TAG	DESCRIPTION	OPTION
1		STRUCTURAL FRONT PANEL	
1		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH	INSULATED 430 SS
2		STRUCTURAL FRONT PANEL	
2		STRUCTURAL FRONT PANEL	
3		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH	INSULATED 430 SS
4		STRUCTURAL FRONT PANEL	
4		FINISHED BACK- ISL/REV INSTALL 168.00" LONG, (FILTERS TO THE FRONT).	

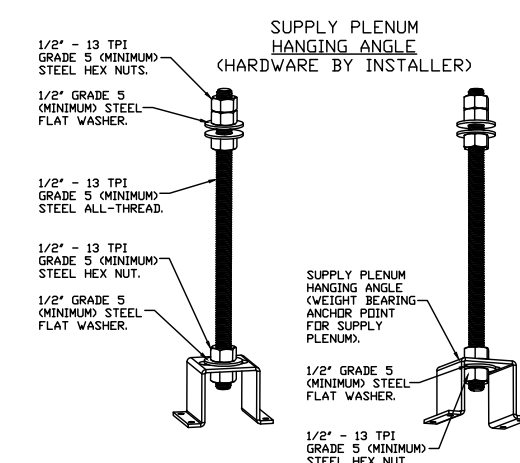
PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)							
							WIDTH	LENG	DIA					
1	Front	144"	20"	6"	MUA	12"	28"	660	0.166"					
										MUA	12"	28"	660	0.166"
2	Front	144"	20"	6"	MUA	12"	28"	660	0.166"					
										MUA	12"	28"	660	0.166"
3	Front	144"	20"	6"	MUA	12"	28"	660	0.166"					
										MUA	12"	28"	660	0.166"
4	Front	168"	14"	6"	MUA	12"	28"	720	0.168"					
										MUA	12"	28"	720	0.168"
Left	68"	14"	6"	MUA	12"	28"	876	0.226"						
									Right	68"	14"	6"	MUA	12"



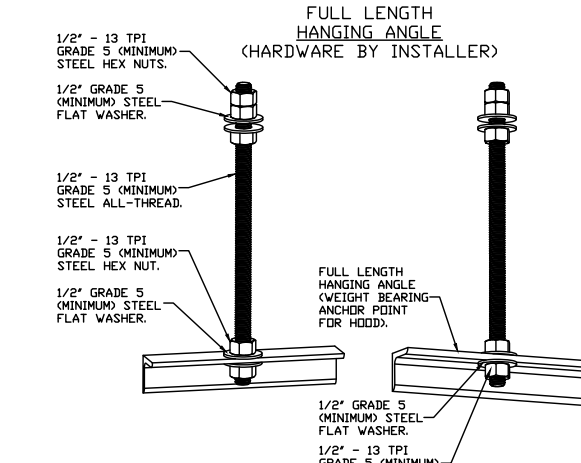
ASSEMBLY INSTRUCTIONS

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.



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 ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



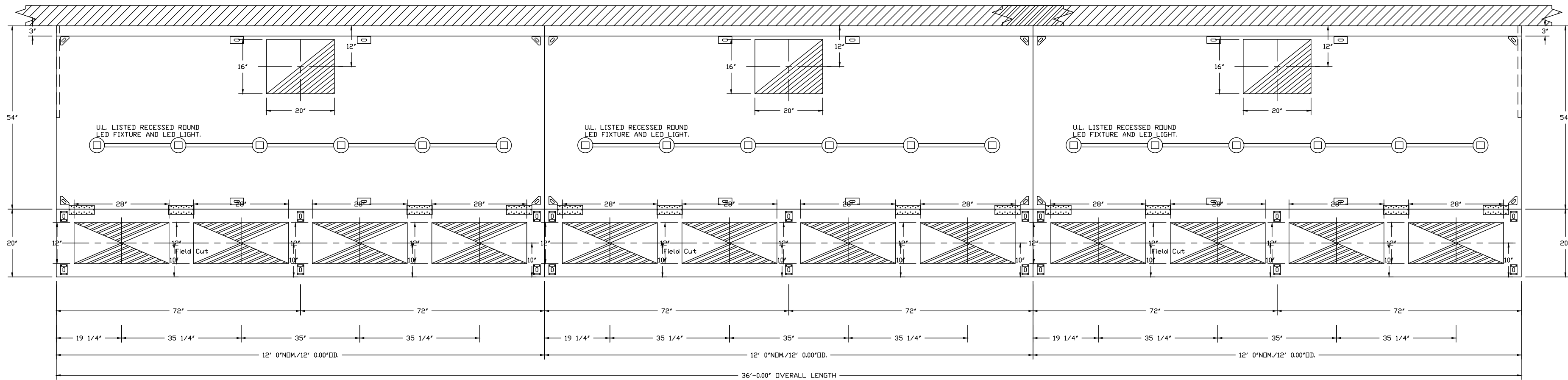
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CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	*CLEARANCE
1,2,3	TOP	18"
	FRONT	0"
	LEFT	18"
	RIGHT	18"
4	TOP	18"
	FRONT	0"
	LEFT	18"
	RIGHT	18"

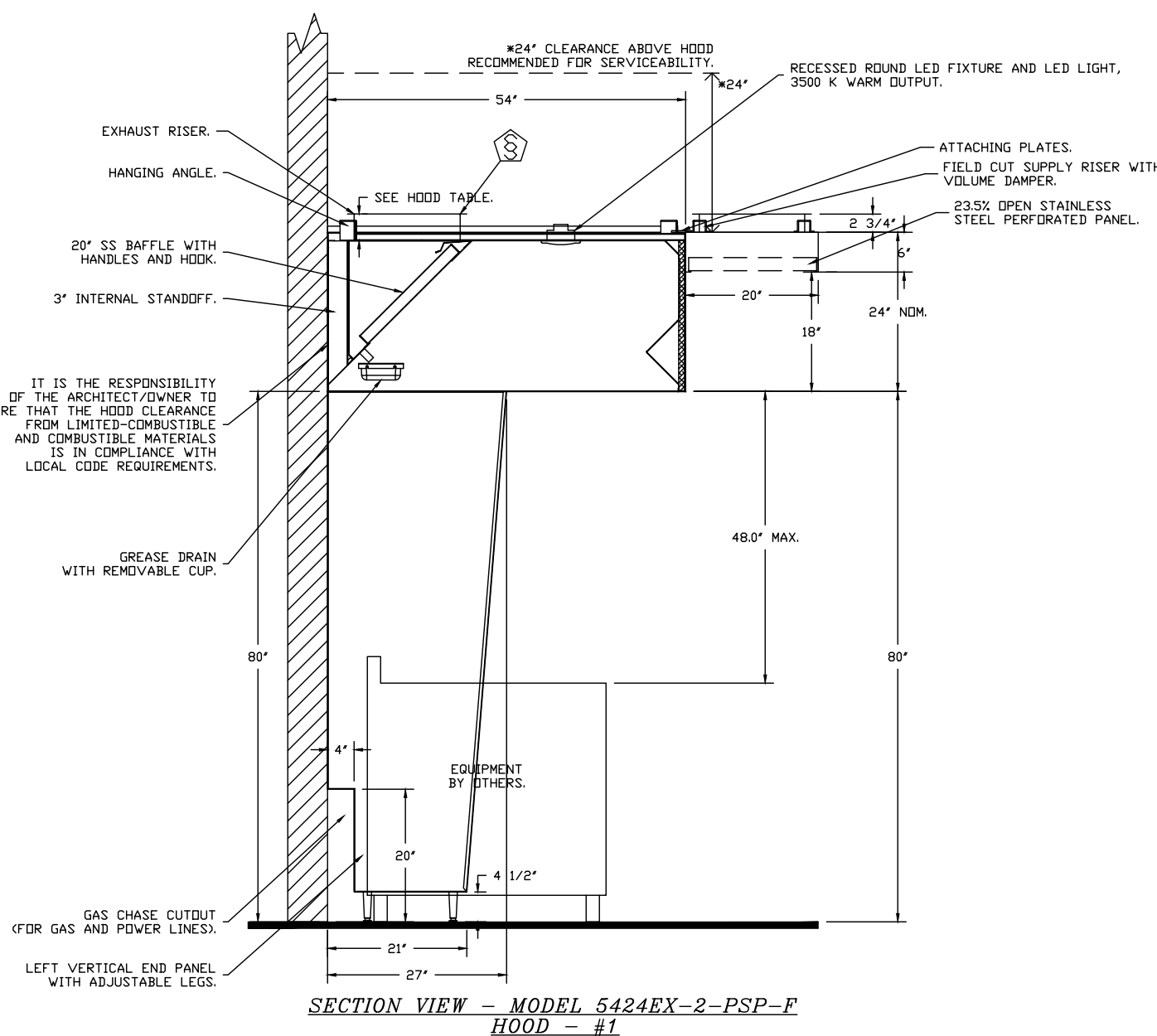
* *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.



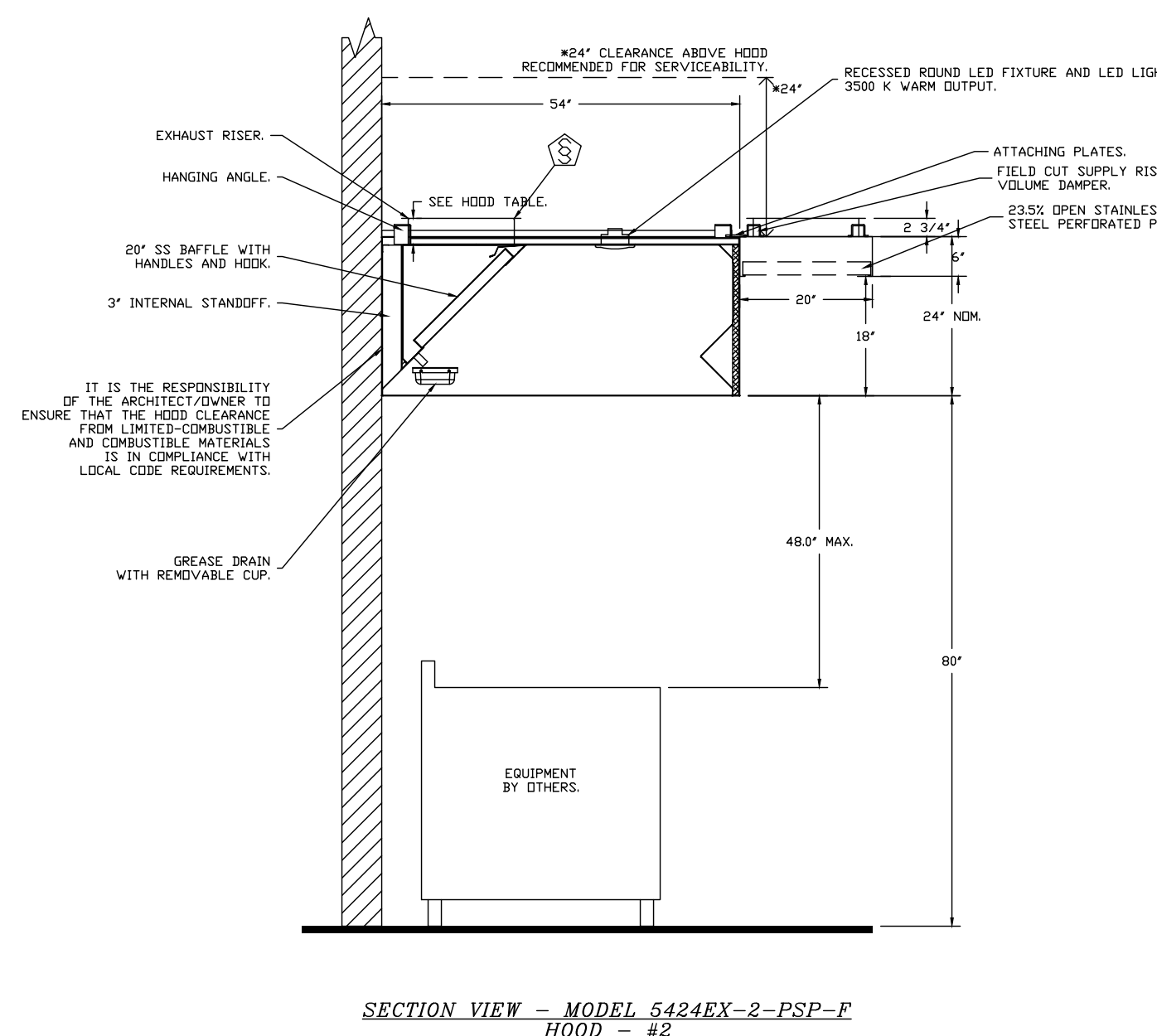
PLAN VIEW - HOOD #1
12' 0.00" LONG 5424EX-2-PSP-F
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

PLAN VIEW - HOOD #2
12' 0.00" LONG 5424EX-2-PSP-F
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

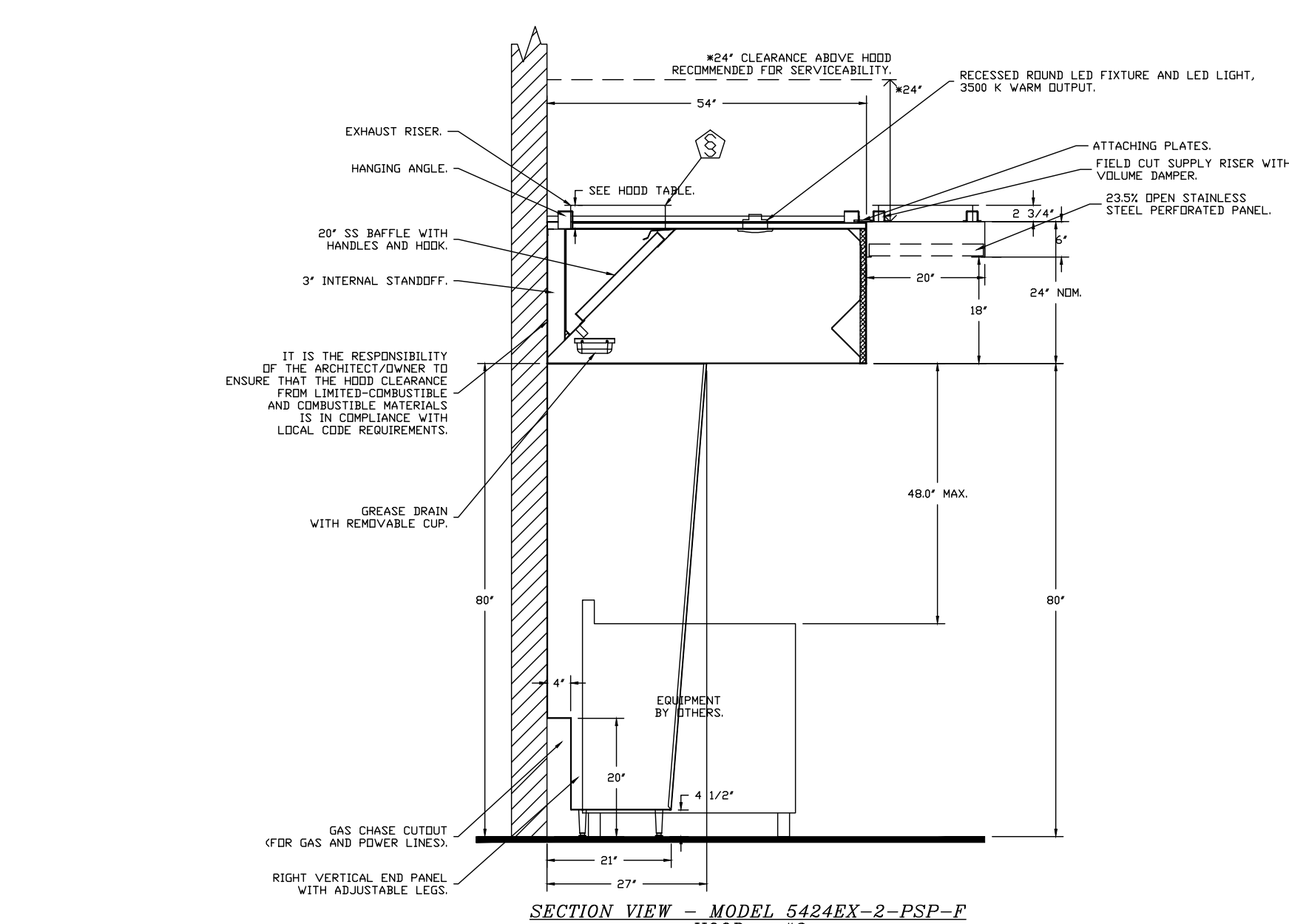
PLAN VIEW - HOOD #3
12' 0.00" LONG 5424EX-2-PSP-F
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.



SECTION VIEW - MODEL 5424EX-2-PSP-F
HOOD - #1



SECTION VIEW - MODEL 5424EX-2-PSP-F
HOOD - #2



SECTION VIEW - MODEL 5424EX-2-PSP-F
HOOD - #3

REVISIONS

DESCRIPTION	DATE

econ·air
www.econair.com
NYC Special Accounts
315 Gregory Street, Rochester, NY 14620 PHONE: (917) 671 - 6534 FAX: 919/475605 EMAIL: reg34@econair.com

Cranston, RI (36') EA
Cranston, RI, 02910

DATE: 3/4/2026
DWG.#: 8539825
DRAWN BY: MORABITO
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

FRANK D. MILETO A.I.A.
168 TIMBERLAKE DRIVE MANAHAWKIN, NJ 08050
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FMILETO@COMCAST.NET

1010 PARK AVE.
CRANSTON, RI 02920

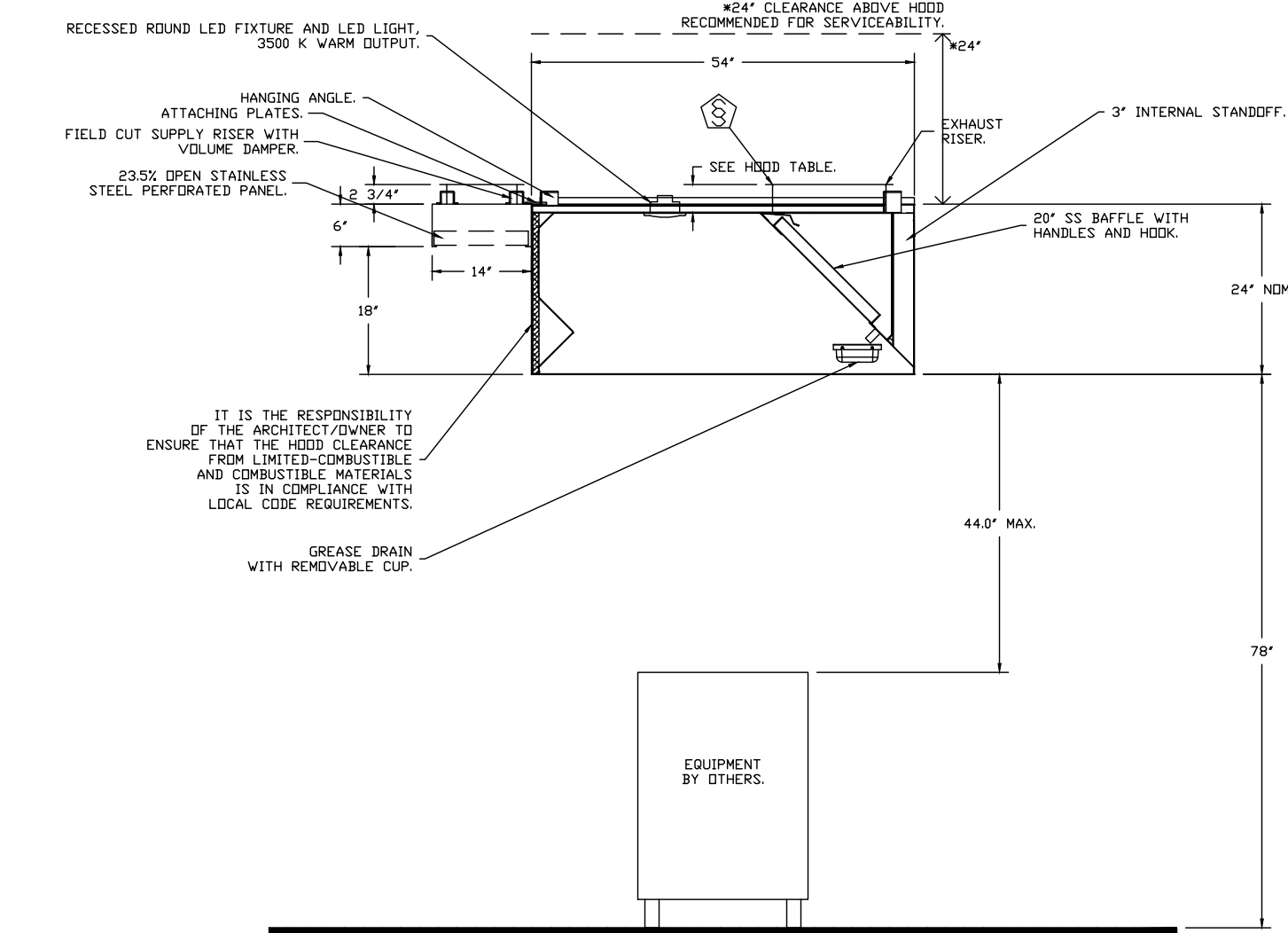
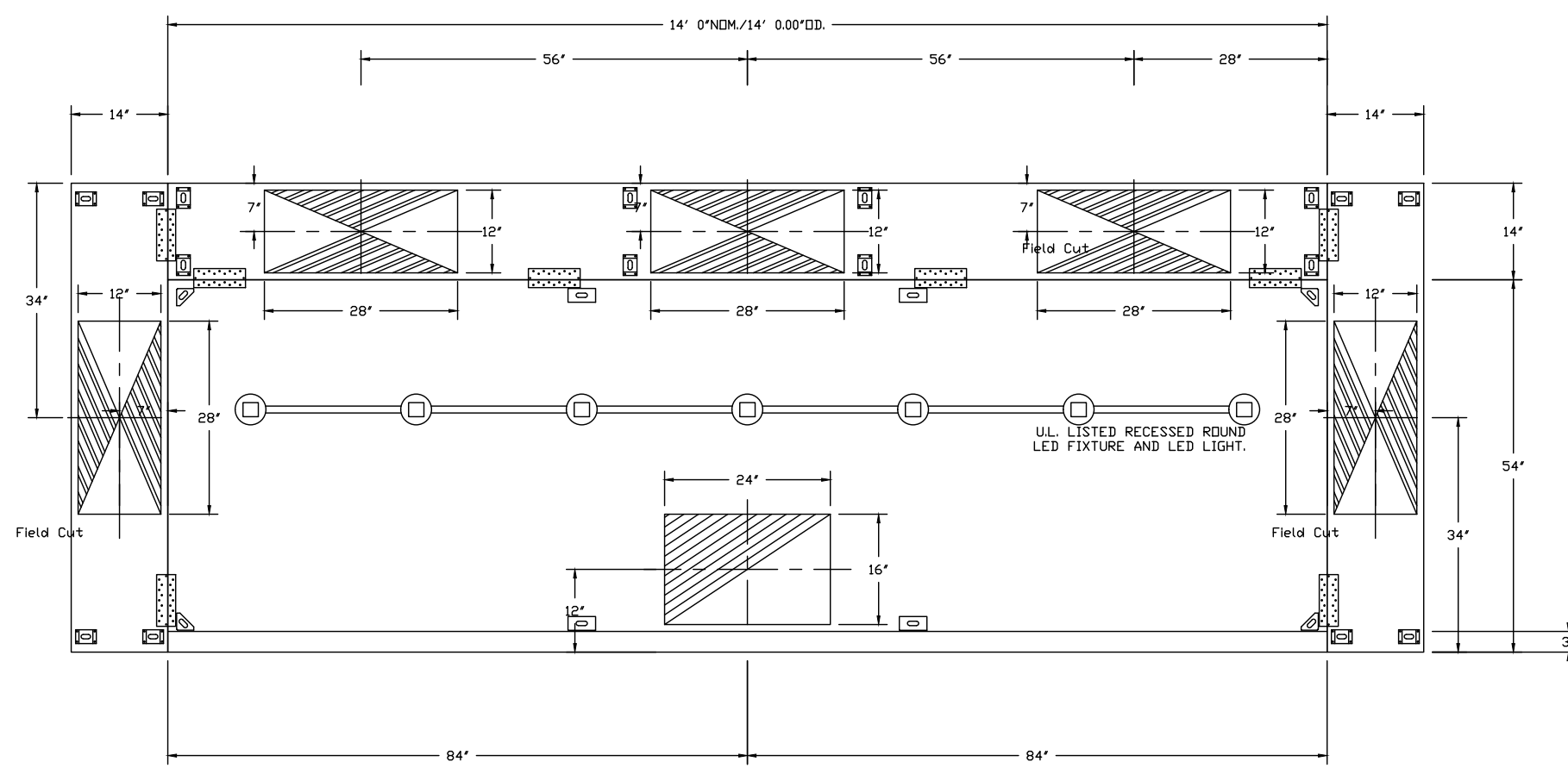
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DESCRIPTION	DATE

DATE: 03/18/2026
SCALE: AS DRAWING
DRAWN:
JOB NO. A26-031

M-4.1

NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12" AND LONGER.
 PLAN VIEW - HOOD #4
 14' 0.00" LONG 5424EX-2WI-PSP-FSS



SECTION VIEW - MODEL 5424EX-2WI-PSP-FSS
 HOOD - #4

EXHAUST FAN INFORMATION - JOB#8539825

FAN UNIT NO.	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SIZES
1		1	EADUB0H	ECCN-AIR	3300	1.000	1231	DDP-PREMIUM	2.000	1.3380	3	208	8.3	762 FPM	184	19.2
2		1	EADUB0H	ECCN-AIR	3300	1.000	1231	DDP-PREMIUM	2.000	1.3380	3	208	8.3	762 FPM	184	19.2
3		1	EADUB0H	ECCN-AIR	3300	1.000	1231	DDP-PREMIUM	2.000	1.3380	3	208	8.3	762 FPM	184	19.2
4		1	EADU24H	ECCN-AIR	4900	1.750	990	DDP-PREMIUM	5.000	2.8260	3	208	15.9	1114 FPM	309	19.7

MUA FAN INFORMATION - JOB#8539825

FAN UNIT NO.	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SIZES
5		1	EA-A3-24D	24MF-3-MDD	A3	3000	7920	0.500	1525	DDP-PREMIUM	10.000	7.1680	3	208	27.0	33.8A	60A	602	27.5
6		1	EA-A2-20D	20MF-2-MDD	A2	1500	3920	0.500	1339	DDP-PREMIUM	2.000	1.3830	3	208	8.3	10.4A	15A	424	15.4

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST	SUPPLY					
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						
2		YES						
3		YES						
4		YES						
5						YES		
6								

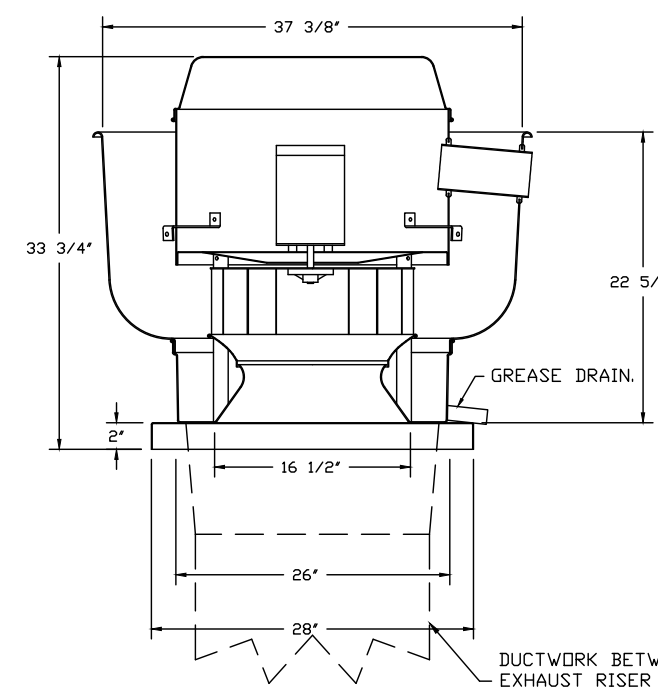
CURB ASSEMBLIES

NO	DI	FAN	WEIGHT	ITEM	SIZE
1	#	1	43 LBS	CURB	26.500"W X 26.500"L X 20.000"H VENTED HINGED.
2	#	2	43 LBS	CURB	26.500"W X 26.500"L X 20.000"H VENTED HINGED.
3	#	3	43 LBS	CURB	26.500"W X 26.500"L X 20.000"H VENTED HINGED.
4	#	4	43 LBS	CURB	31.500"W X 31.500"L X 20.000"H VENTED HINGED.
5	#	5	48 LBS	CURB	35.000"W X 35.000"L X 20.000"H
6	#	6	35 LBS	CURB	31.000"W X 31.000"L X 20.000"H

FAN OPTIONS

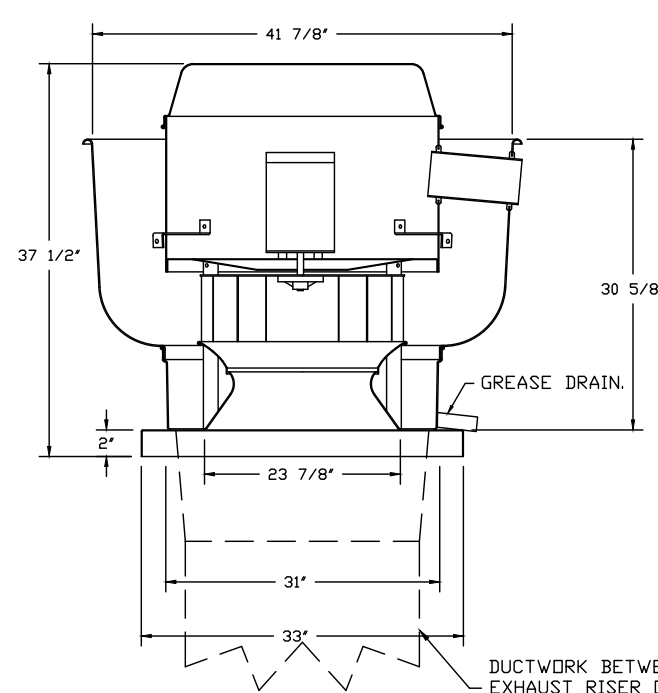
FAN UNIT NO.	TAG	QTY	DESCRIPTION
1		1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
2		1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
3		1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
4		1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR240HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
5		1	SIZE 3 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	GRAVITY BACKDRAFT DAMPER FOR SIZE 3 HOUSING
		1	2 YEAR PARTS WARRANTY
6		1	SIZE 2 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	GRAVITY BACKDRAFT DAMPER FOR SIZE 2 HOUSING
		1	2 YEAR PARTS WARRANTY

FANS #1, #2, #3 - EADUB0H EXHAUST FAN



TOP VIEW

FAN #4 EADU24H - EXHAUST FAN



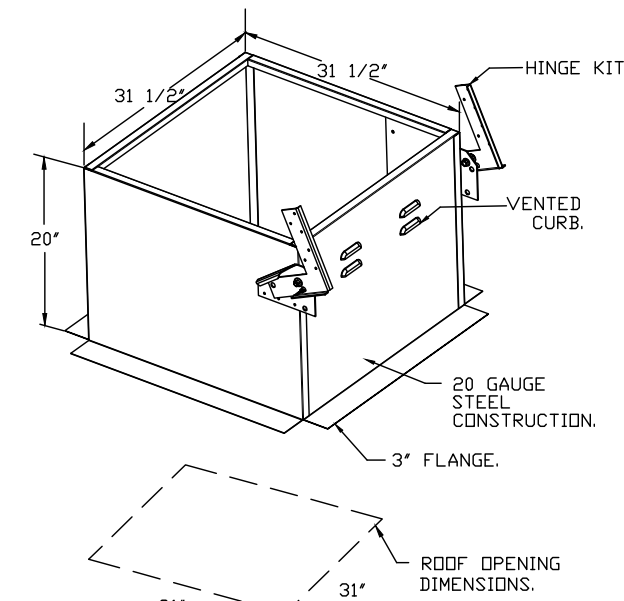
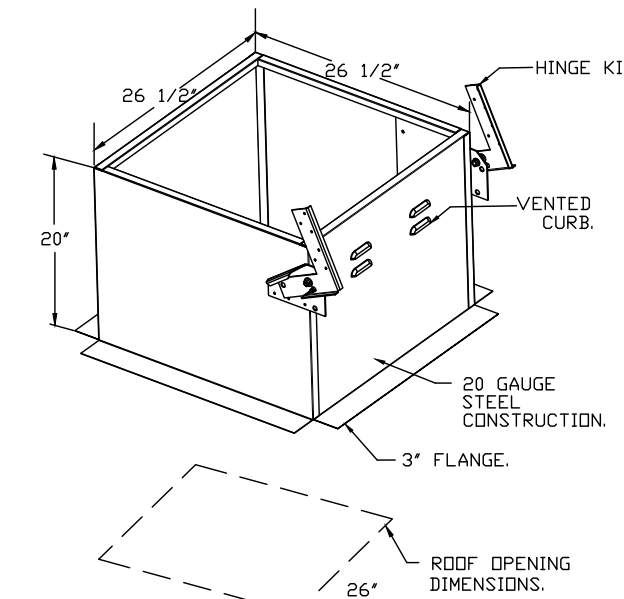
TOP VIEW

- FEATURES:**
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
 - ROOF MOUNTED FANS.
 - RESTAURANT MODEL.
 - UL705 AND UL762 AND UL6-5645
 - VARIABLE SPEED CONTROL.
 - INTERNAL WIRING.
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
 - HIGH HEAT OPERATION 300° (149°C).
 - GREASE CLASSIFICATION TESTING.
 - NEMA 3R SAFETY DISCONNECT SWITCH.
- NORMAL TEMPERATURE TEST**
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300° (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.
- ABNORMAL FLARE-UP TEST**
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600° (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.
- DETAILS:**
- GREASE BOX.
 - FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
 - 2 YEAR PARTS WARRANTY.

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- GREASE BOX.
 - FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
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- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
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 - UL705 AND UL762 AND UL6-5645
 - VARIABLE SPEED CONTROL.
 - INTERNAL WIRING.
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
 - HIGH HEAT OPERATION 300° (149°C).
 - GREASE CLASSIFICATION TESTING.
 - NEMA 3R SAFETY DISCONNECT SWITCH.
- NORMAL TEMPERATURE TEST**
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300° (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.
- ABNORMAL FLARE-UP TEST**
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600° (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.
- DETAILS:**
- GREASE BOX.
 - FAN BASE CERAMIC SEAL - DU/DR240HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
 - 2 YEAR PARTS WARRANTY.

- DETAILS:**
- GREASE BOX.
 - FAN BASE CERAMIC SEAL - DU/DR240HFA - INSTALLED AT PLANT - FOR GREASE DUCTS.
 - 2 YEAR PARTS WARRANTY.



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Cranston, RI (36') EA
 Cranston, RI, 02910

DATE: 3/4/2026
DWG.#: 8539825
DRAWN BY: MORABITO
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
 2

REVISIONS

NO.	DESCRIPTION	DATE

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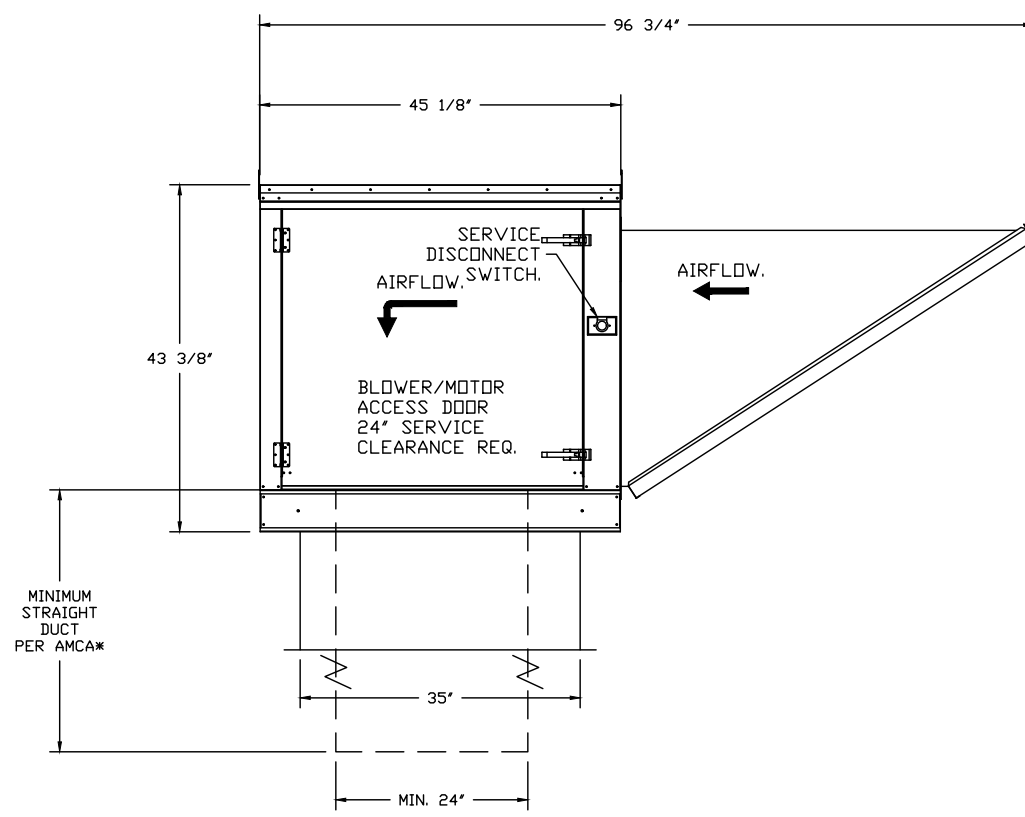
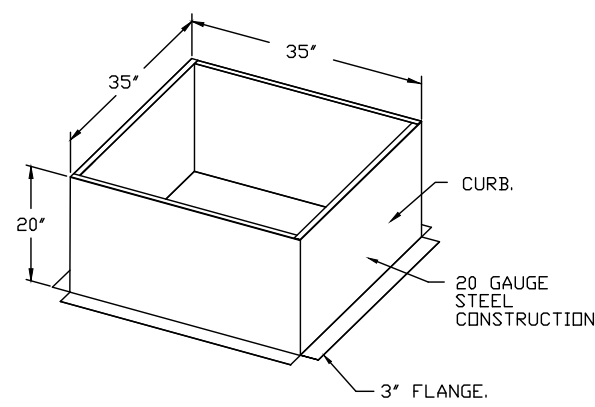
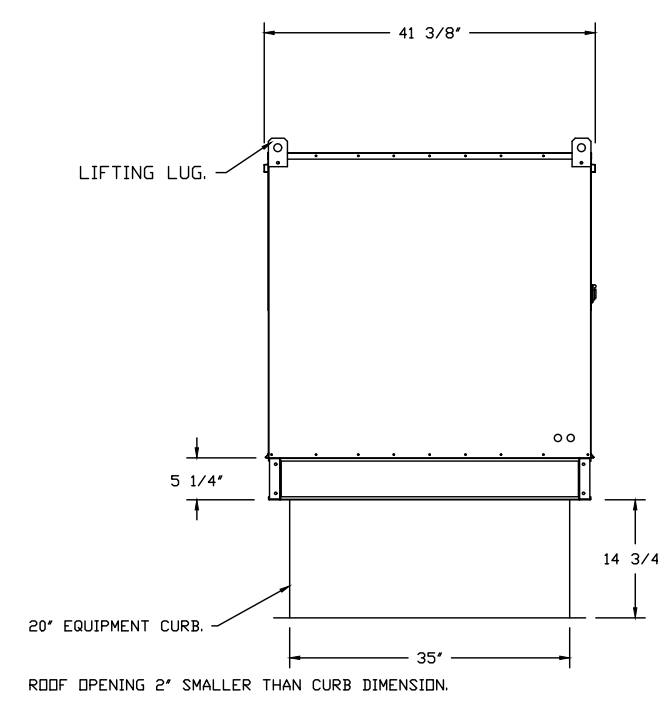
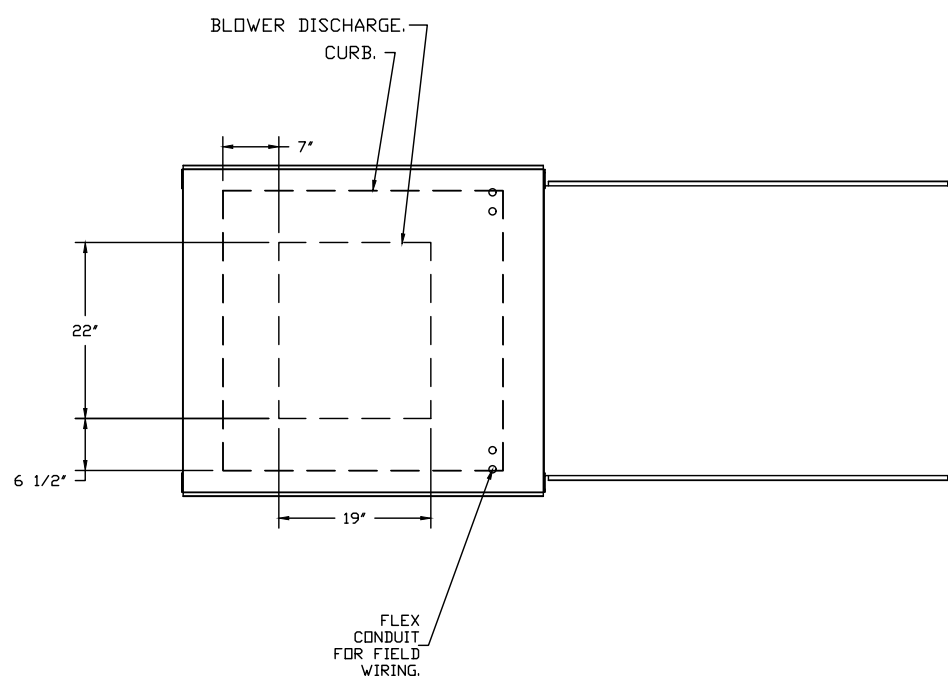
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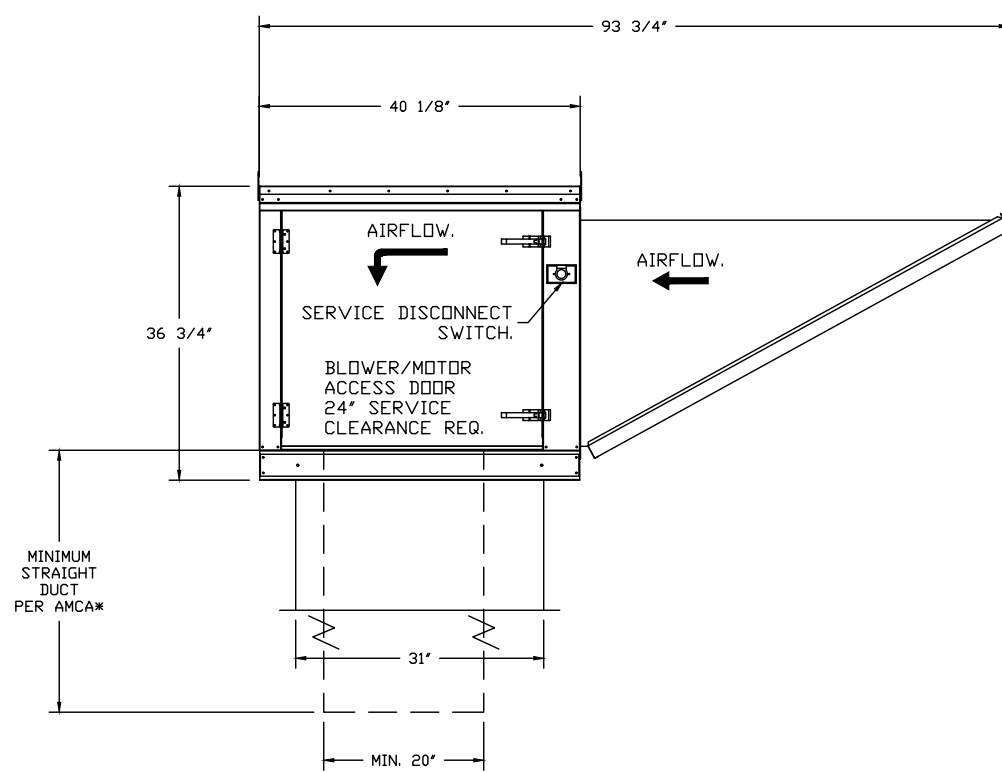
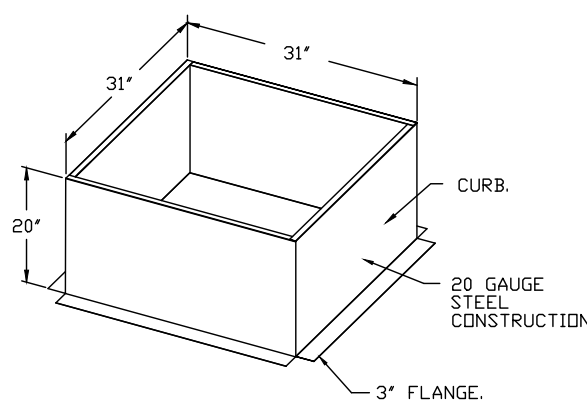
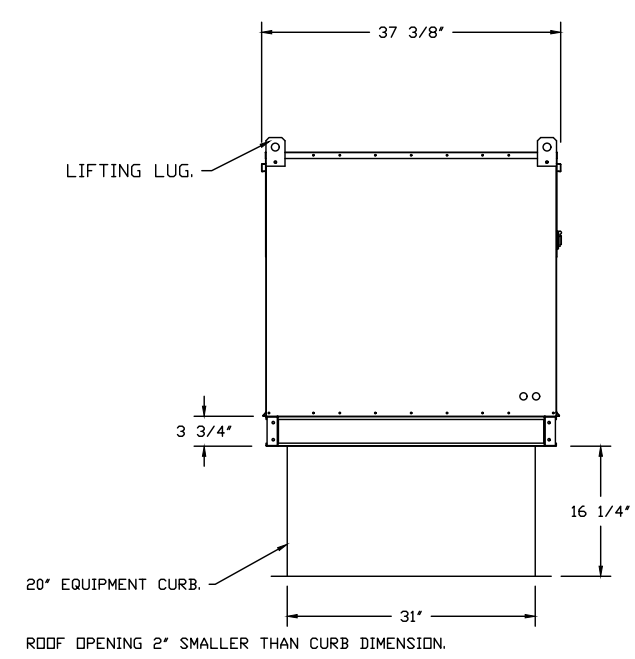
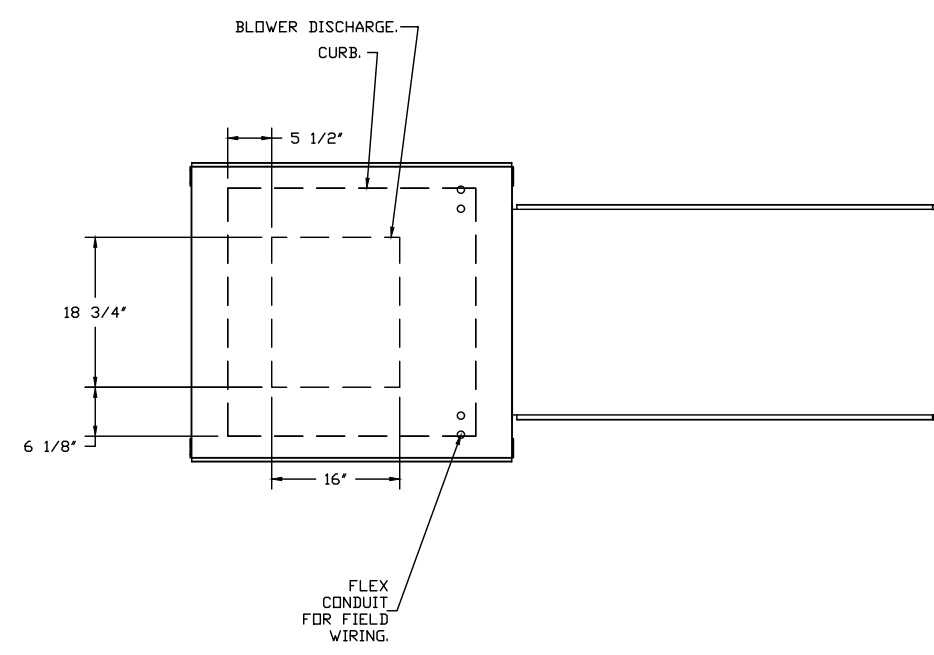
- FAN #5 EA-A3-24D - SUPPLY FAN
 1. UNTEMPERED SUPPLY UNIT WITH 24" MIXED FLOW DIRECT DRIVE FAN IN SIZE #3 HOUSING.
 2. INTAKE HOOD WITH EZ FILTERS.
 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 4. DOWN DISCHARGE CONSTRUCTION FOR SIZE 3 UNTEMPERED DIRECT DRIVE AMUS.
 5. GRAVITY BACK DOOR I SUPPLY 20" X 24" STANDARD GALVANIZED CONSTRUCTION, 1 1/4" REAR FLANGE, FOR SIZE 3 UNTEMPERED FAN HOUSING (USED).
 6. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).
 7. 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 ANCA PUBLICATION 200. 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 DRAMATICALLY 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 SUPPLY STRAIGHT DUCT SIZE IS 24" X 24".



- FAN #6 EA-A3-20D - SUPPLY FAN
 1. UNTEMPERED SUPPLY UNIT WITH 20" MIXED FLOW DIRECT DRIVE FAN IN SIZE #2 HOUSING.
 2. INTAKE HOOD WITH EZ FILTERS.
 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 4. DOWN DISCHARGE CONSTRUCTION FOR SIZE 2 UNTEMPERED DIRECT DRIVE AMUS.
 5. GRAVITY BACK DOOR I SUPPLY 20" X 24" STANDARD GALVANIZED CONSTRUCTION, 1 1/4" REAR FLANGE, FOR SIZE 2 UNTEMPERED FAN HOUSING (USED).
 6. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).
 7. 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 ANCA PUBLICATION 200. 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 DRAMATICALLY 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 SUPPLY STRAIGHT DUCT SIZE IS 20" X 20".

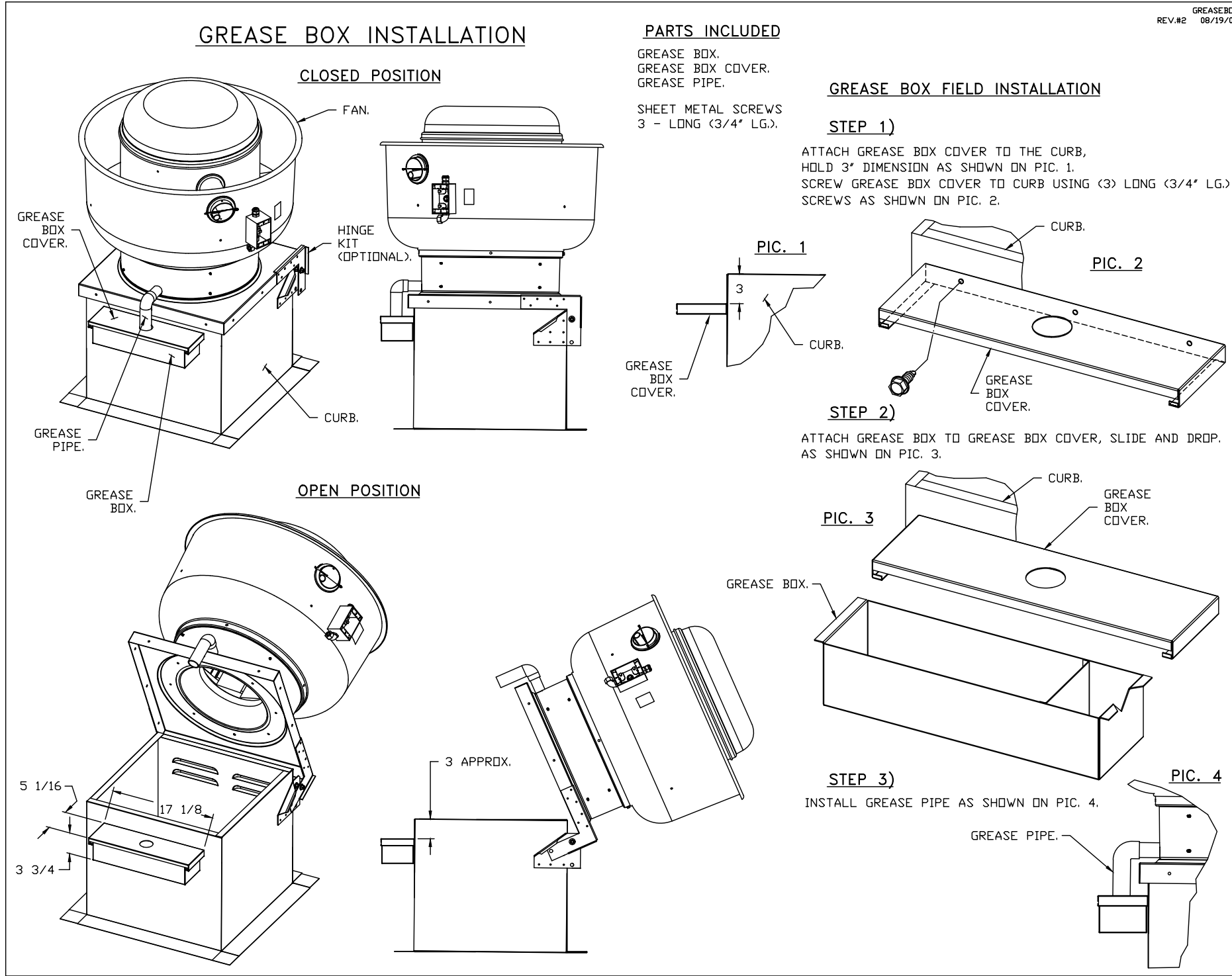


GREASE DUCT & CHIMNEY SPECIFICATIONS:
 PROVIDE GREASE DUCT EQUAL TO ECON-AIR MODEL "EDW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "EDW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "EDW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURER'S INSTALLATION GUIDE.
 PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURER'S LISTING MODEL "EDW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO ECON-AIR MODEL "EDW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED
 APPROVED WITH NO EXCEPTION TAKEN
 REVISE AND RESUBMIT
 SIGNATURE _____
 YOUR TITLE _____ DATE _____



NOTE: UL 705 INSTALL.

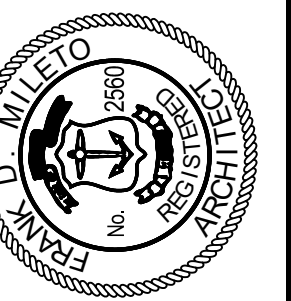
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Cranston, RI (36') EA
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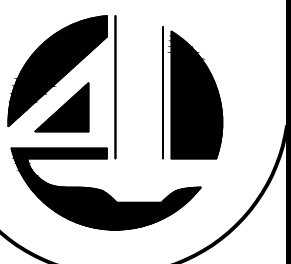
DATE: 3/4/2026
 DWG.#: 8539825
 DRAWN BY: MDRABITO
 SCALE: 3/4" = 1'-0"
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SHEET NO. 3



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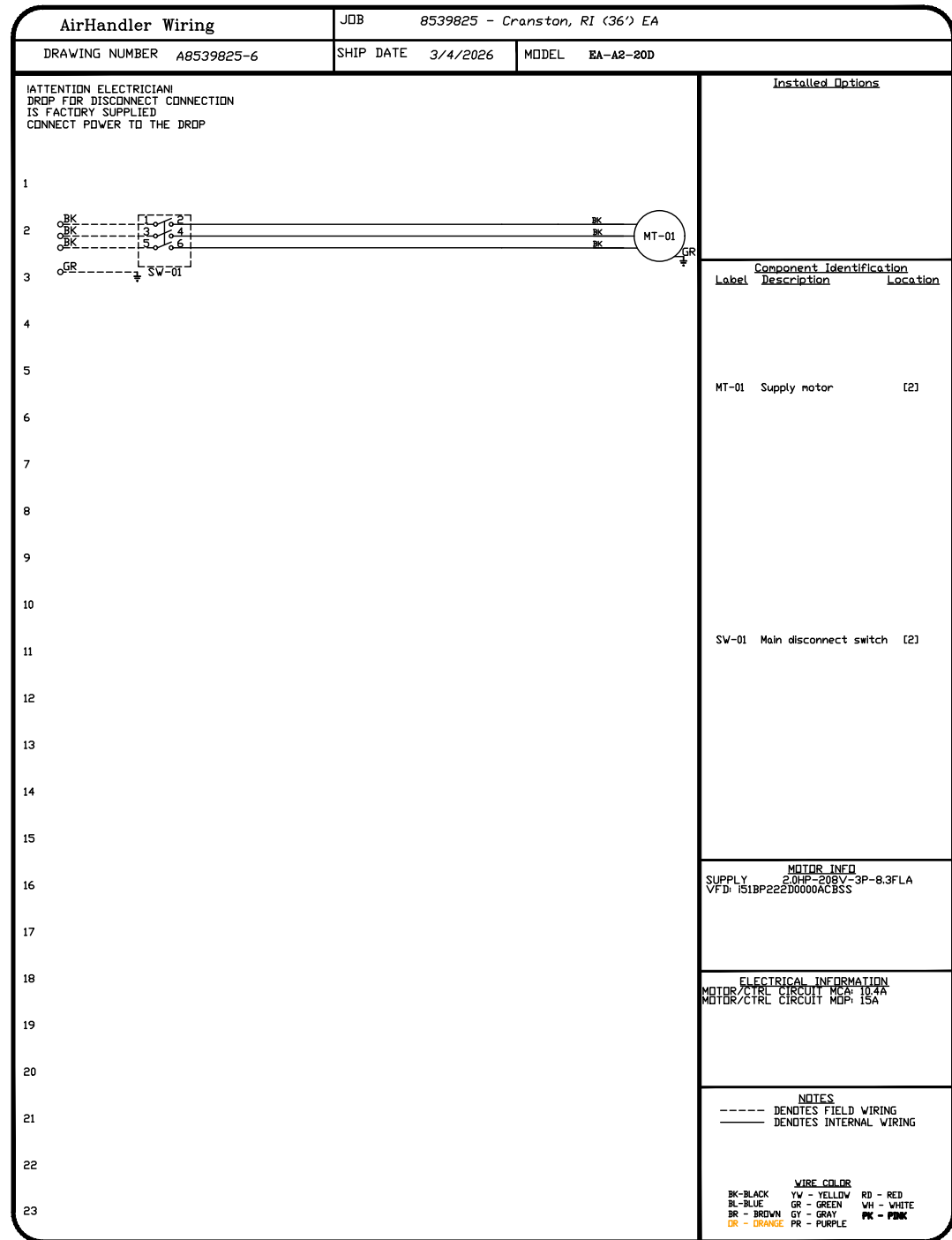
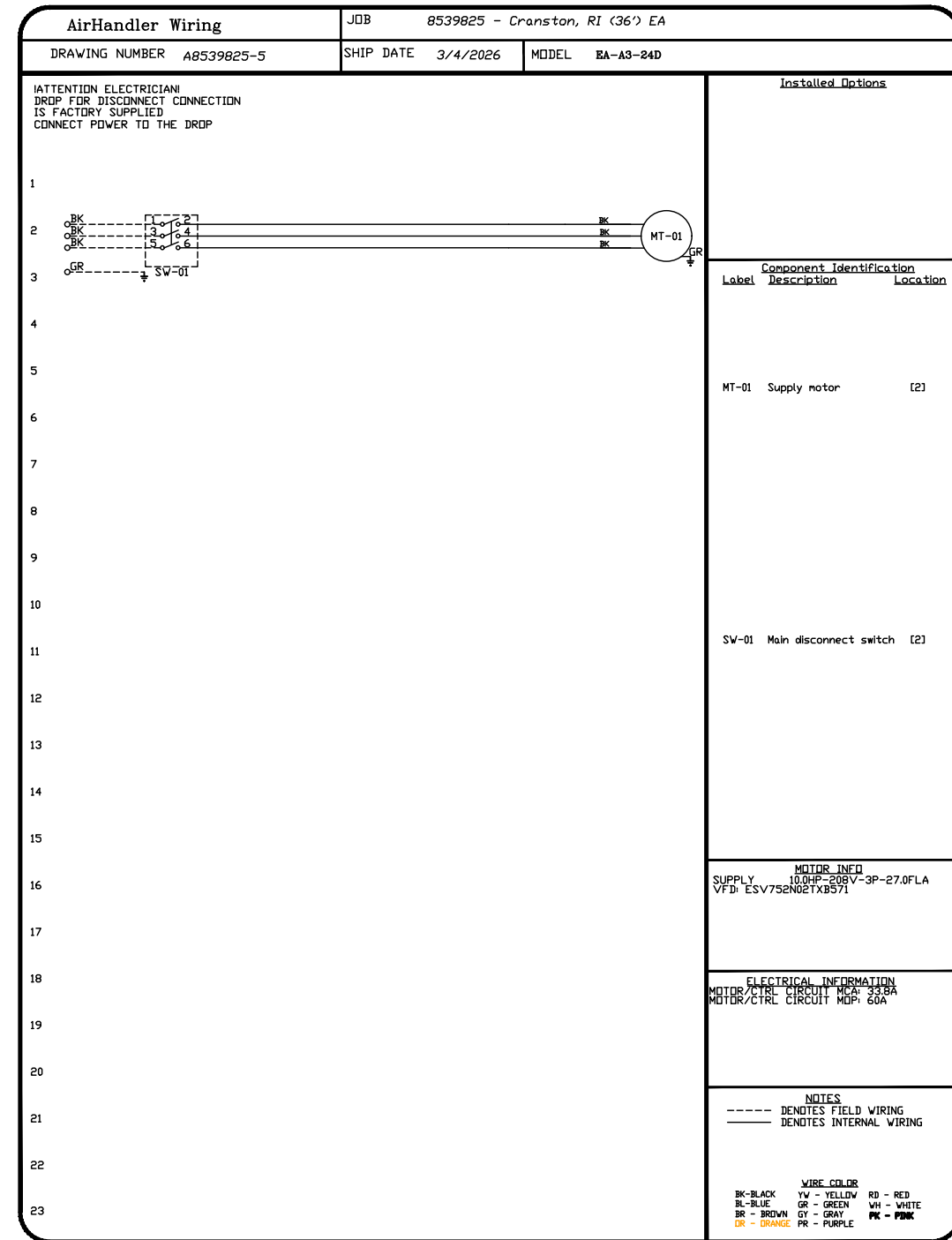
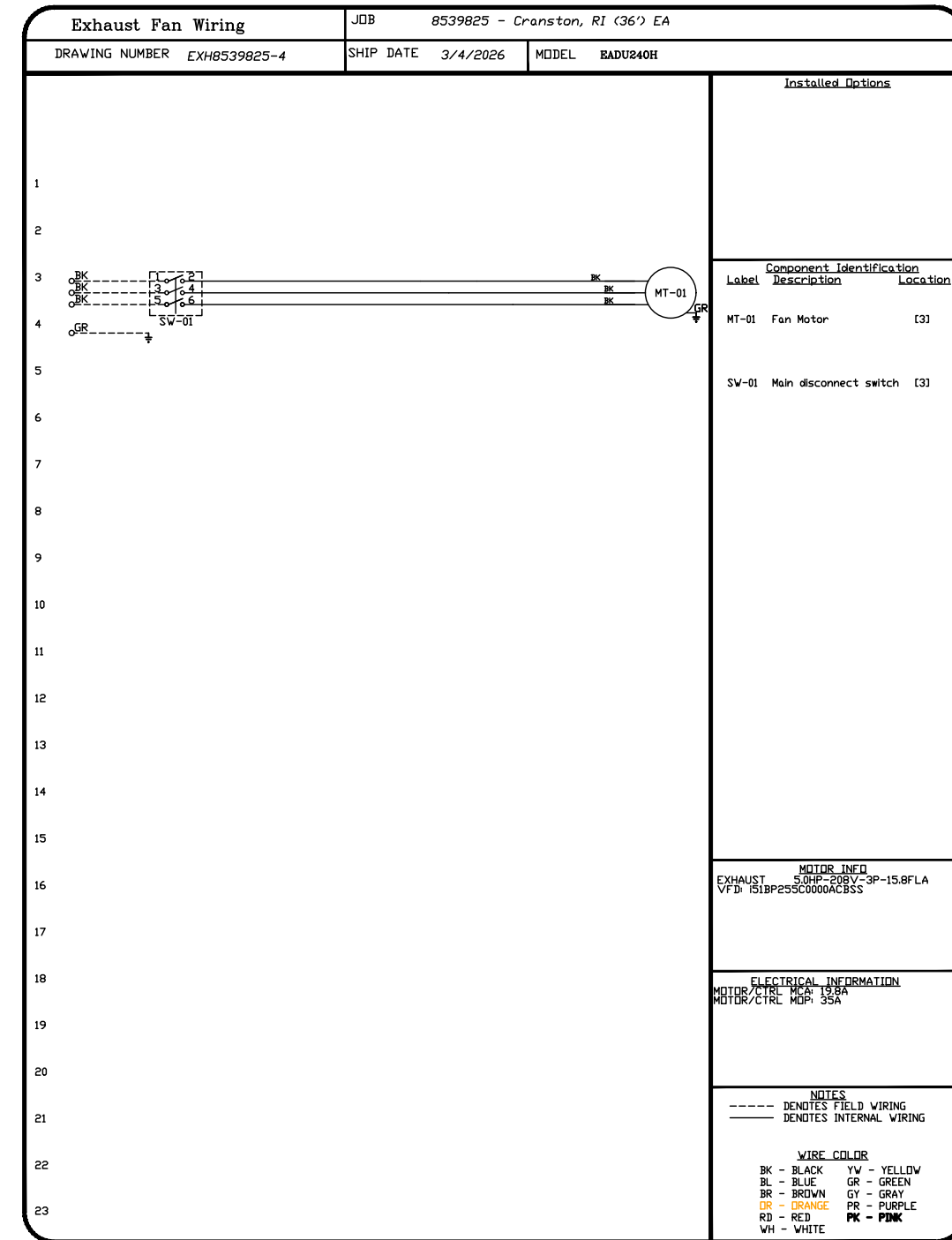
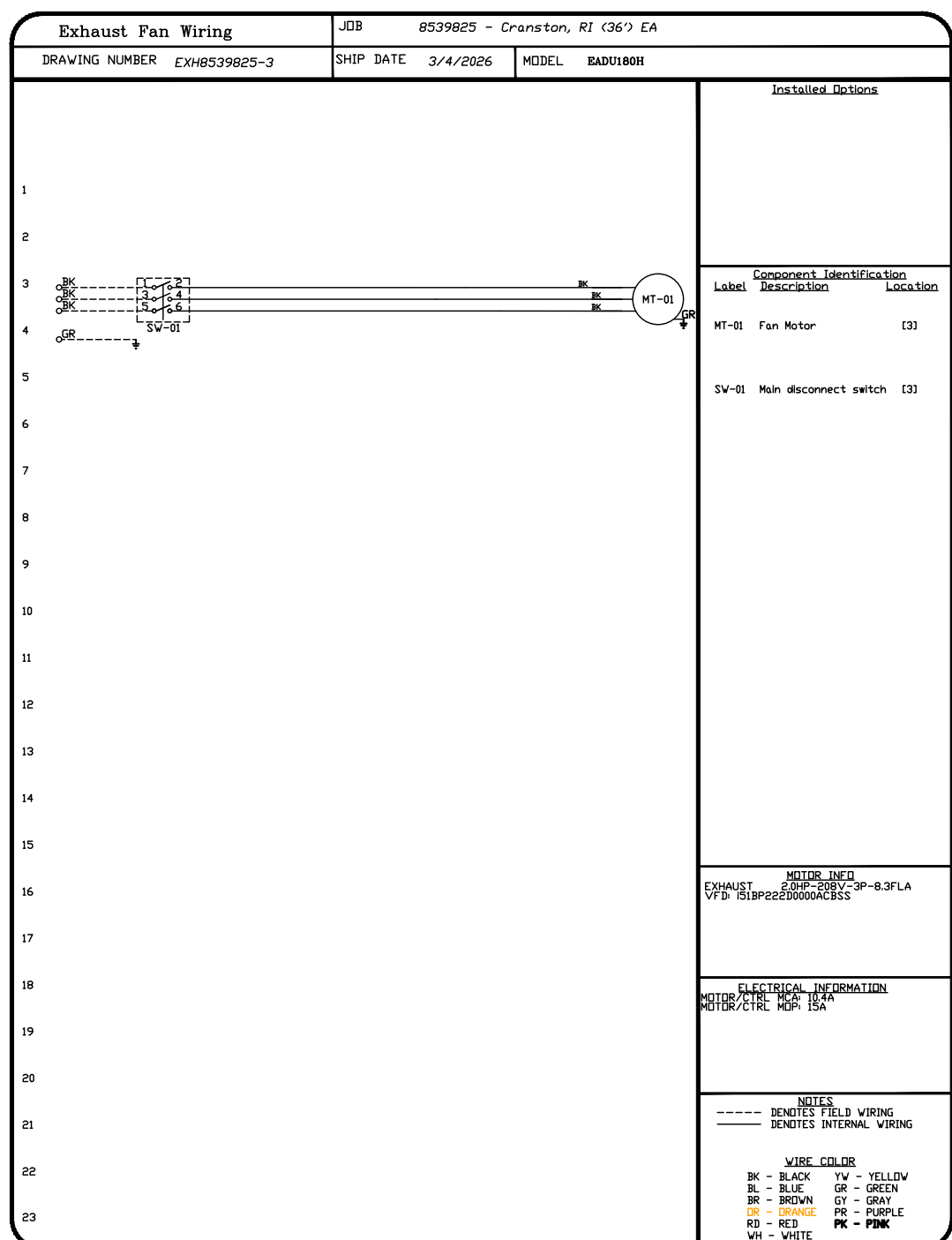
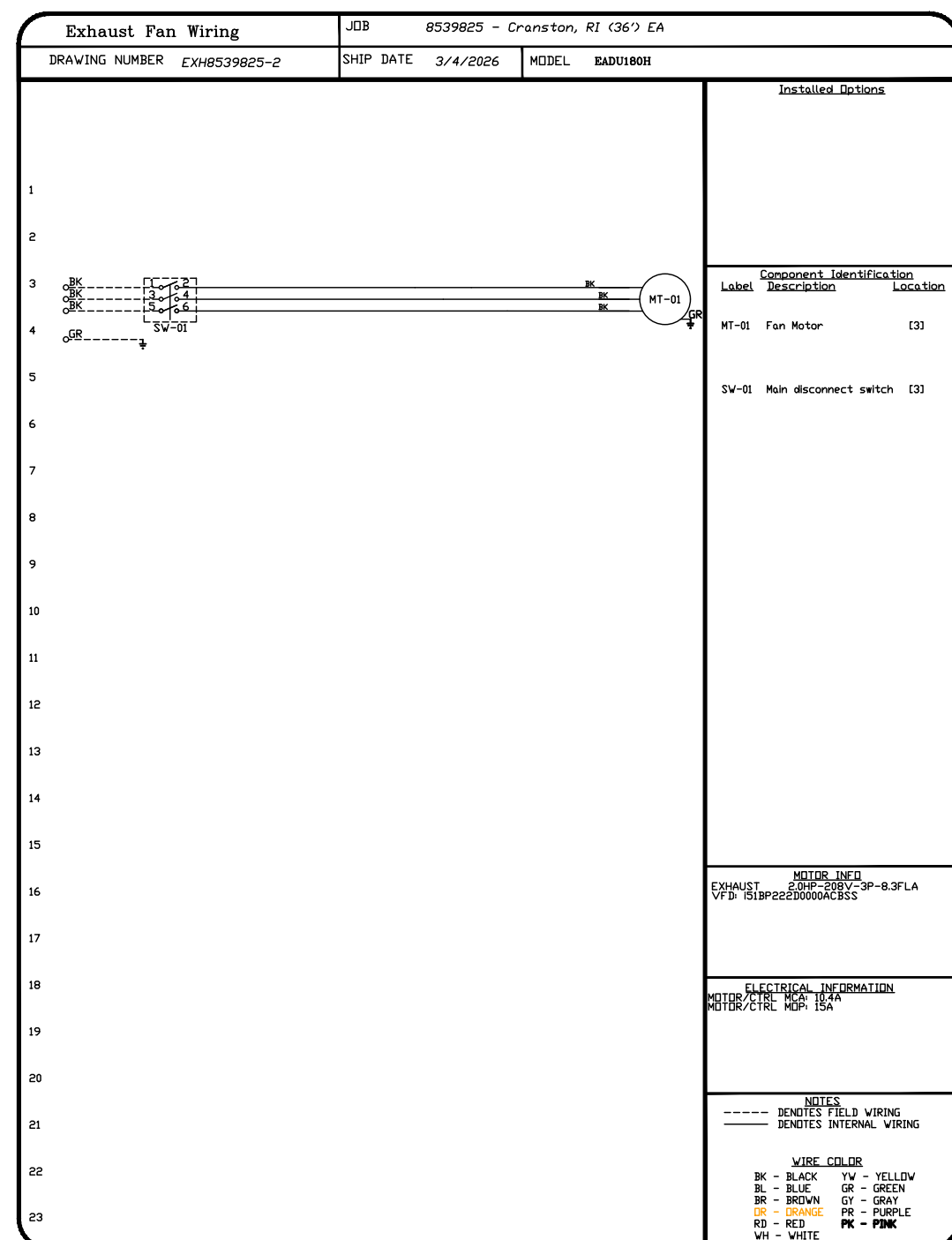
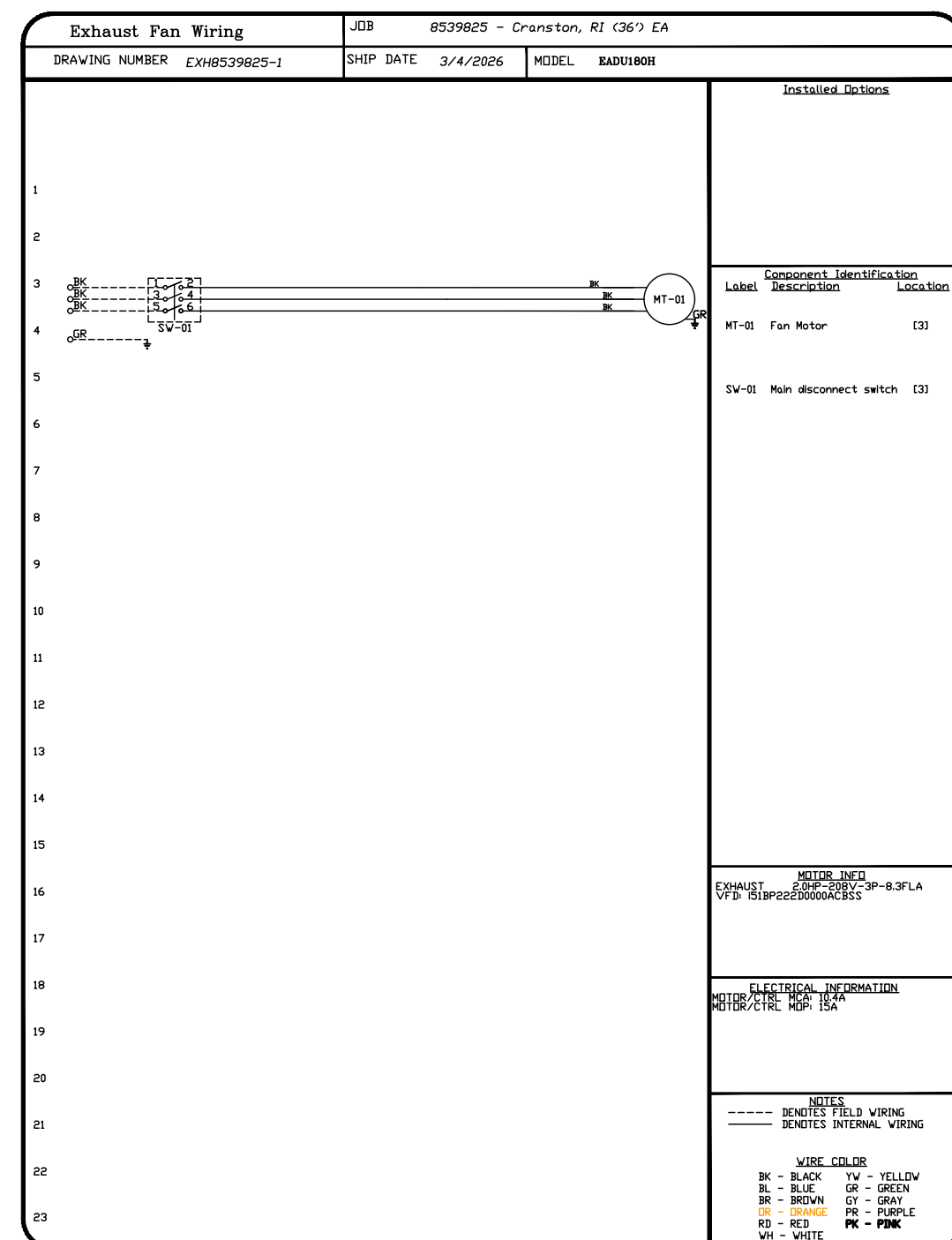


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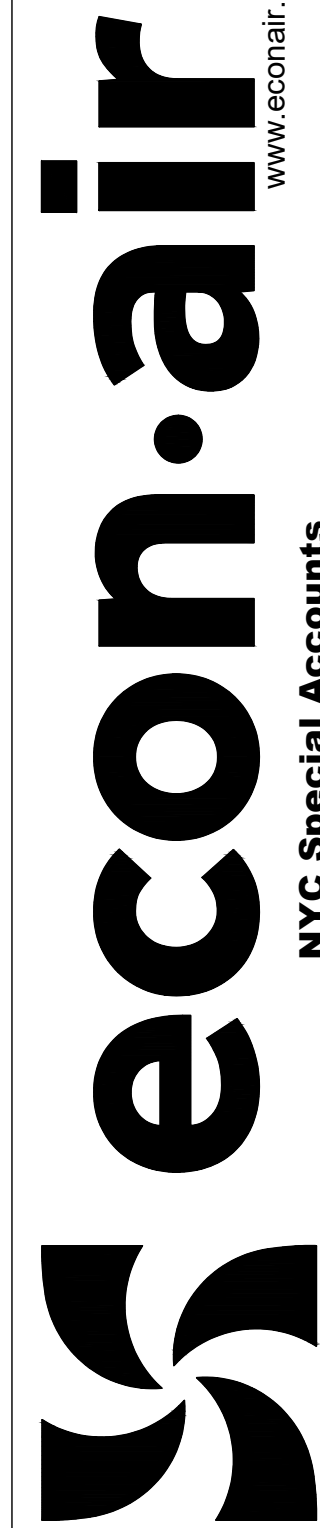
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Cranston, RI (36') EA
Cranston, RI, 02910

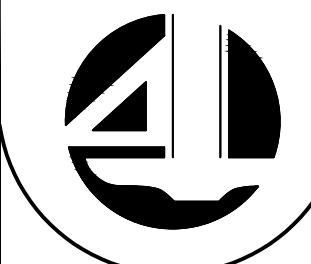
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DRAWN BY: MORABITO
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
4



Frank D. Mileto

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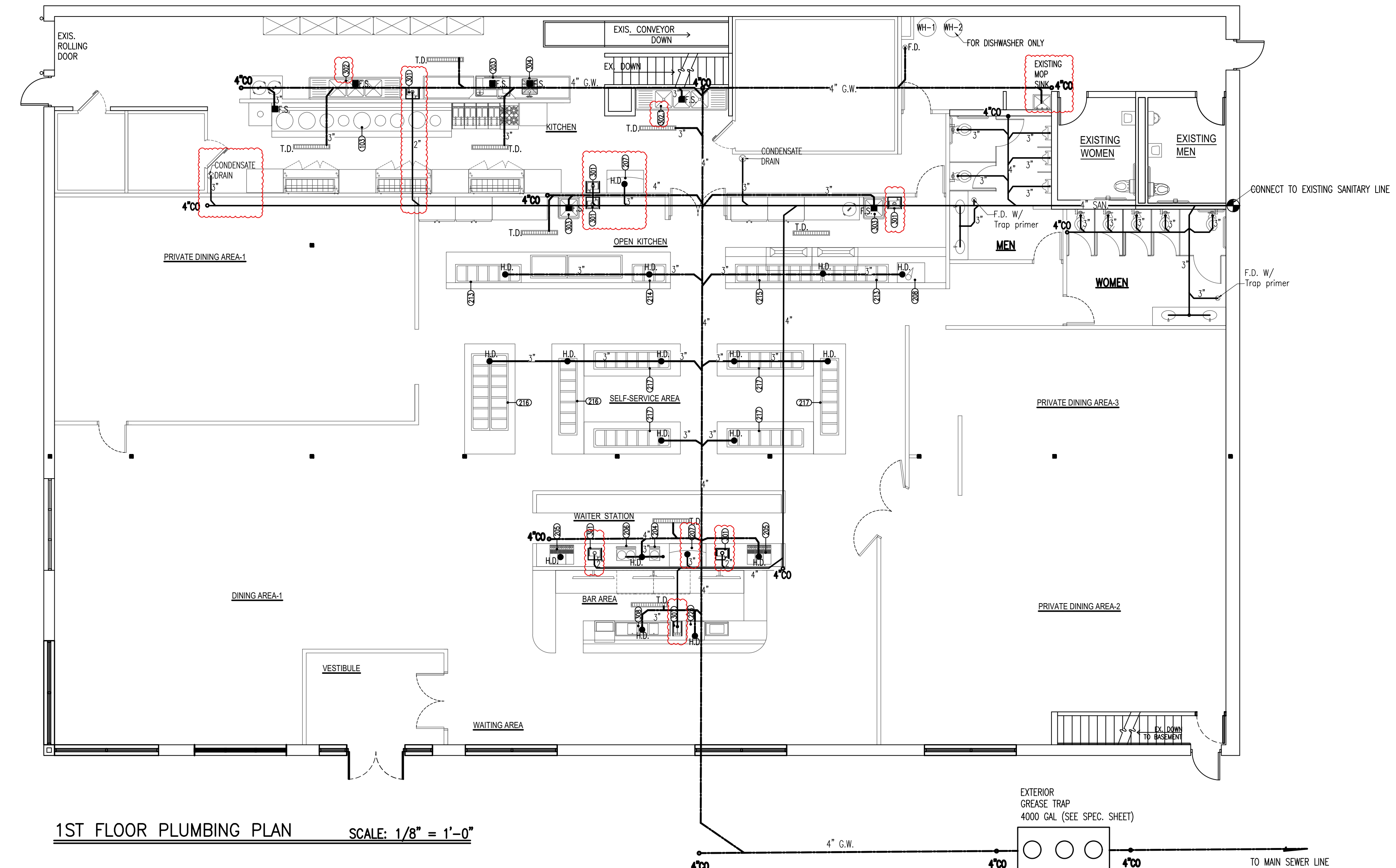
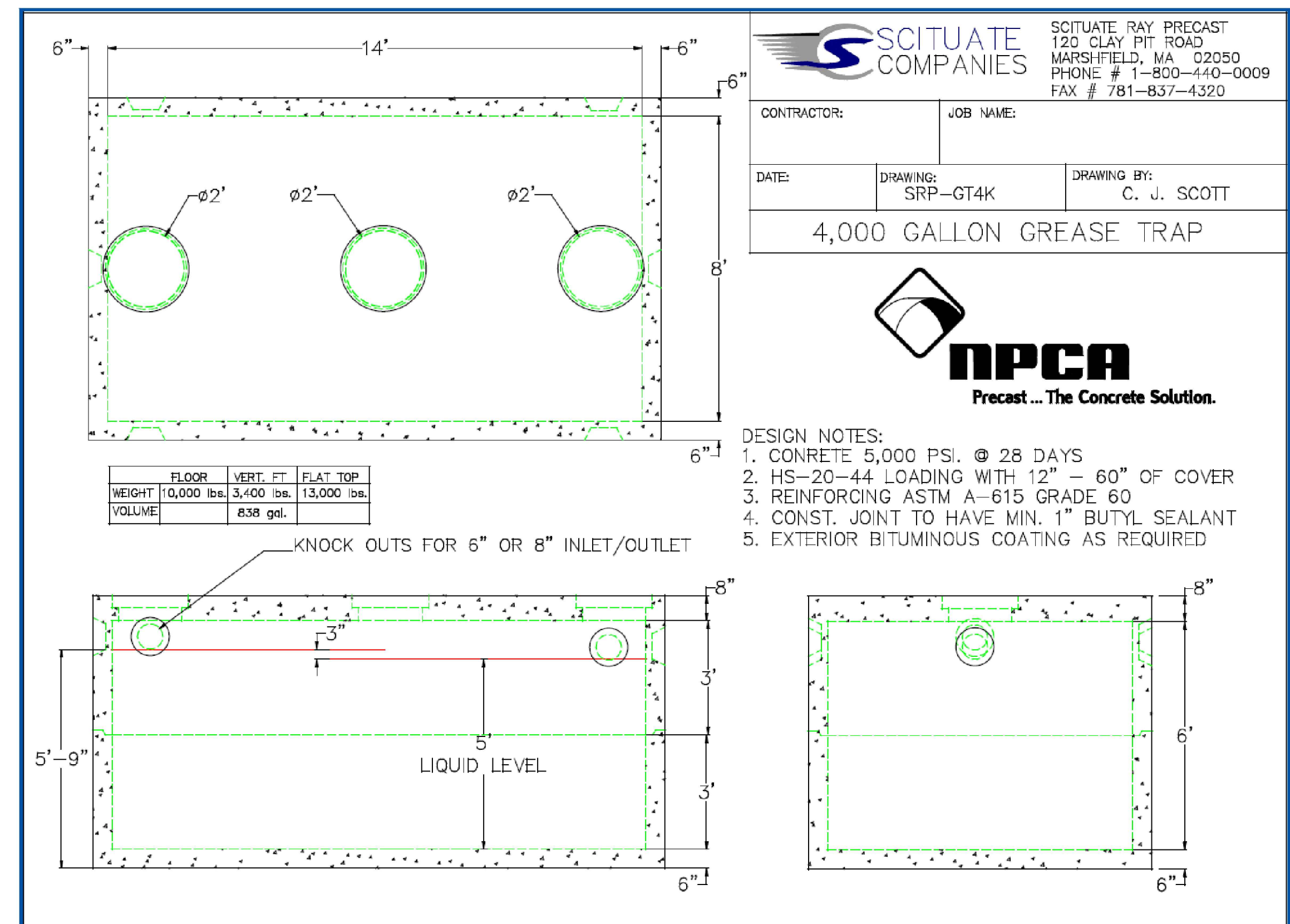
SCITUATE COMPANIES
 SCITUATE RAY PRECAST
 120 CLAY PIT ROAD
 MARSHFIELD, MA 02050
 PHONE # 1-800-440-0009
 FAX # 781-837-4320

CONTRACTOR: _____ JOB NAME: _____
 DATE: _____ DRAWING: SRP-GT4K DRAWING BY: C. J. SCOTT

4,000 GALLON GREASE TRAP



- DESIGN NOTES:
 1. CONCRETE 5,000 PSI. @ 28 DAYS
 2. HS-20-44 LOADING WITH 12" - 60" OF COVER
 3. REINFORCING ASTM A-615 GRADE 60
 4. CONST. JOINT TO HAVE MIN. 1" BUTYL SEALANT
 5. EXTERIOR BITUMINOUS COATING AS REQUIRED



- PLUMBING REQUIREMENTS**
- ALL PLUMBING SHALL COMPLY WITH THE LOCAL PLUMBING & HEALTH DEPARTMENT REQUIREMENTS.
 - INSULATE ALL HOT & COLD WATER LINES ABOVE GRADE WITH 3/4" FIBERGLASS PIPE INSULATION, WITH VAPOR BARRIER.
 - VERIFY ALL FINAL CONNECTIONS TO KITCHEN EQUIPMENT WITH KITCHEN SUPPLIER VERIFY ROUGH-IN REQUIREMENTS WITH SAME.
 - MATERIALS SHALL BE AS FOLLOWS:
 A: WATER PIPING TO BE TYPE "K" COPPER BELOW GRADE, TYPE "L" COPPER ABOVE GRADE.
 B: WASTE PIPING TO BE CAST IRON, OR PVC PLASTIC.
 C: VENTS TO BE CAST IRON, GALVANIZED STEEL, OR PVC PLASTIC PIPE.
 D: GAS PIPING TO BE SCHEDULE 40, BLACK STEEL PIPE. PROVIDE AUTOMATIC GAS SHUT-OFF VALVE IN COOKING EQUIPMENT SUPPLY MAIN AS REQUIRED FOR COOKING EQUIPMENT FIRE PROTECTION SYSTEM. VERIFY & COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER.
 - ALL INDIRECT WASTES EXCEEDING 24" IN LENGTH SHALL BE TRAPPED.
 - PROVIDE CLEANOUTS REQUIRED, & AT THE BASE OF ALL STACKS.
 - ALL MATERIALS USED WITHIN RETURN AIR PLenums SHALL BE APPROVED FOR SUCH USE.
 - PROVIDE FIXTURE STOPS AT ALL PLUMBING FIXTURES.
 - PROVIDE ALL FITTING & ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
 - HOT WATER SUPPLIED TO LAVATORY FIXTURES SHALL NOT EXCEED 110°F.
 - HANDICAP PLUMBING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE ADA REQUIREMENTS & LOCAL STATE BARRIER FREE REQUIREMENTS.
 - COORDINATE ALL WORK IN FIELD WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL TRADES.
 - VERIFY ALL EXISTING JOB CONDITIONS & AS REQUIRED FOR A COMPLETE INSTALLATION.

LEGEND

—S—	SANITARY LINE	⊙ H.D.	HUB DRAIN
—G—	GREASE LINE	⊠ F.S.	FLOOR SINK
—V—	VENT LINE	D.C.O.	DOUBLE CLEAN OUT
—C—	COLD WATER LINE	C.O.	CLEAN OUT
—H—	HOT WATER LINE (140°F)	F.D.	FLOOR DRAIN
—GAS—	GAS PIPE	T.D.	TRENCH DRAIN
		⊕	CONNECT TO EXISTING S ANITARY/WATER/GAS LINE V.I.F. BY PLUMBER

PLUMBING FIXTURE SCHEDULE *ALL EQUIPMENT ARE TO BE INDIRECTLY DRAINED EXCEPT HAND SINKS AND MOP SINK

FIXTURE	MANUFACTURER	TYPE	MODEL	DESCRIPTION	PIPE SIZES					REMARK
					TRAP	WASTE	VENT	C.W.	H.W.	
WC	TOTO	FLUSH VALVE	TET1GA	ECOPOWER TOILET FLUSH VALVE 1.6 GPF	3"	2"	1"			
URINAL	TOTO	FLUSH VALVE	TEU1LA	ECOPOWER URINAL FLUSH VALVE 0.5 GPF	3"	2"	3/4"			
LAV	AMER STAND	LUCERNE	0355.012	SYMMONS 8-60-G-H (ADA)	1 1/4"	2"	2"	1/2"	1/2"	MTG. RIM 34" AFF. MTH. TEMPERED WATER SUPPLIED TO LAVATORY FIXTURES SHALL BETWEEN 85° TO 110°.
HS	EAGLE	HAND SINK	HSA-10-F-LRS	FAUCET & DRAIN INCL.	1 1/4"	2"	2"	1/2"	1/2"	
MOP SINK	EAGLE	MOP SINK	F2820-12	FAUCET W/VACUUM BREAKER & DRAIN	1 1/2"	2"	2"	1/2"	1/2"	
2-COMP.	EAGLE	2-COMP. SINK	414-22-2	FAUCET, DRAIN, & FLOW CONTROLS	1 1/2"	2"	2"	3/4"	3/4"	
3-COMP.	EAGLE	3-COMP. SINK	414-22-3-24 L & R	FAUCET, DRAIN, & FLOW CONTROLS	1 1/2"	3"	2"	3/4"	3/4"	
DISH WASHER	ECOLAB	DOOR TYPE	ES-4000	DRAIN	2"	3"	2"		1/2"	
PRE-WASH SINK	EAGLE	SPRAY SINK	SR-19-16-8-1	FAUCET & DRAIN INCL.	2"	3"	2"	1/2"	1/2"	
WS	WIN SUPPLY	WOK SINK	12" X 12" X 10"	FAUCET, DRAIN, & FLOW CONTROLS	2"	3"	2"	1/2"	1/2"	
CO	J.RSMITH	CLEAN OUT	4710-U			3"				
FD	J.RSMITH	FLOOR DRAIN	2210-U		1 1/4"	2"				BRONZE
FS	HOSAM	FLOOR SINK	49300-4			3"				CAST IRON

EQUIPMENT SCHEDULE

NO.	QTY.	DESCRIPTION	MANUFACTURE	MODEL	N.S.F. U.L.	WATER		WASTE	
						C.W.	H.W.	DIR.	IND.
103	1	CHINESE RANGE STOVE	WIN SUPPLY	WR-900	N.S.F.	1/2"			
203	1	DISHWASHER	ECOLAB	ES-4000	N.S.F.		3/4"		
204	2	COFFEE URN	CECULWARE	FETSN	N.S.F.	1/2"			3"
205	2	SODA DISP.	PROVIDED BY LOCAL DISTRIBUTOR		N.S.F.	1/2"			3"
206	2	TEA URN	CECULWARE	CH100N	N.S.F.	1/2"			3"
207	2	ICE MAKER	MANITOWOC	IR-0500A	N.S.F.	1/2"			3"
208	1	ICE CREAM MACHINE	TAYLOR	336	N.S.F.	1/2"			3"
213	2	COLD BAR	WIN SUPPLY	WBCTS-600	N.S.F.				3"
214	1	COLD BAR	WIN SUPPLY	WBCTS-300	N.S.F.				3"
215	1	COLD BAR	WIN SUPPLY	WBCTS-800	N.S.F.				3"
216	2	COLD BAR	WIN SUPPLY	WBCTS-700	N.S.F.				3"
217	6	HOT BUFFET	WIN SUPPLY	WBHT-700	N.S.F.	1/2"			3"
223	1	GLASS WASHER	ECOLAB	OMEGA 5E	N.S.F.		3/4"		3"
301	6	HAND SINK	EAGLE GROUP	HSA-10-F-LRS	N.S.F.	1/2"	1/2"	2"	
302	1	3-COMP. WAREWASHING SINK	EAGLE GROUP	414-22-3-24RL	N.S.F.	3/4"	3/4"		3"
302.1	1	3-COMP. PREP. SINK	EAGLE GROUP	414-22-3-24RL	N.S.F.	3/4"	3/4"		3"
303	2	1-COMP. FOOD PREP. SINK	EAGLE GROUP	414-22-1	N.S.F.	3/4"	3/4"		3"
304	1	SPRAY SINK	EAGLE GROUP	SR-19-16-8-1	N.S.F.	3/4"	3/4"		3"
307	1	BAR HAND SINK	EAGLE GROUP	MA2-18	N.S.F.	1/2"	1/2"	2"	
308	1	BAR SINK	EAGLE GROUP	B5C-18	N.S.F.	3/4"	3/4"		3"

GREASE INTERCEPTOR SIZING WORKSHEET

Company Name: ROYAL BUFFET Date: 04/15/2026
 Address: 1010 PARK AVE., CRANSTON, RI 02920

Follow these six steps to determine grease interceptor size.

Enter Calculations > Here	No. of Meals Per Peak Hour	Waste Flow Rate	Retention Time	Storage Factor	Calculated Interceptor Size	Grease Interceptor
165	6	25	1.5	3712.5	4000	
	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6

1 Number of Meals Per Peak Hour: Seating Capacity 165 x Meal Factor 1 = Meals per Peak Hour 165. Notes: 165. Establishment Type: Fast Food (45 min.) 1.33, Restaurant (60 min.) 1.00, Leisure Dining (90 min.) 0.67, Dinner Club (120 min.) 0.50.

2 Waste Flow Rate: Condition With a Dishwashing Machine 6 Gallons, Without a Dishwashing Machine 5 Gallons, Single Service Kitchen 2 Gallons, Food Waste Disposer Only 1 Gallon. Flow Rate 6. Notes: 6.

3 Retention Time: Commercial Kitchen Waste Dishwasher 2.5 Hours, Single Service Kitchen Single Serving 1.5 Hours. Notes: 2.5.

4 Storage Factor: Kitchen Type Fully Equipped Commercial, Hours of Operation 8 Hours 1.00, 12 Hours 1.50, 16 Hours 2.00, 24 Hours 3.00, Single Service Kitchen 1.50. Notes: 1.5.

5 Calculate Liquid Capacity: Multiply the values obtained from step 1, 2, 3, and 4. The result is the appropriate grease interceptor size for this application. Notes: 3712.5.

6 Select Grease Interceptor: Using the calculated value from step 5, select the appropriately sized interceptor that meets the minimum capacity requirement, but no less than 1,000 gallons. Notes: 4000. Make: SCITUATE COMPANIES, Model: SRP-GT4K.

Grease Interceptor Sizing Worksheet - Rev. 06/29/2006

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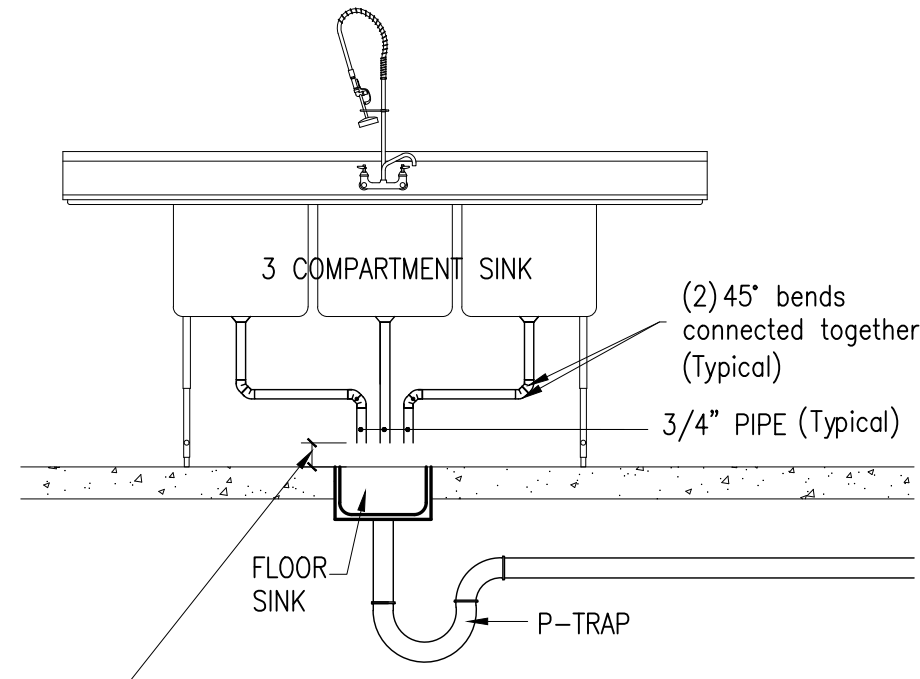
REVISIONS
 04/15/2026
 04/20/2026

DATE: 03/18/2026
 SCALE: AS DRAWING
 DRAWN:
 JOB NO. A26-031

P-1

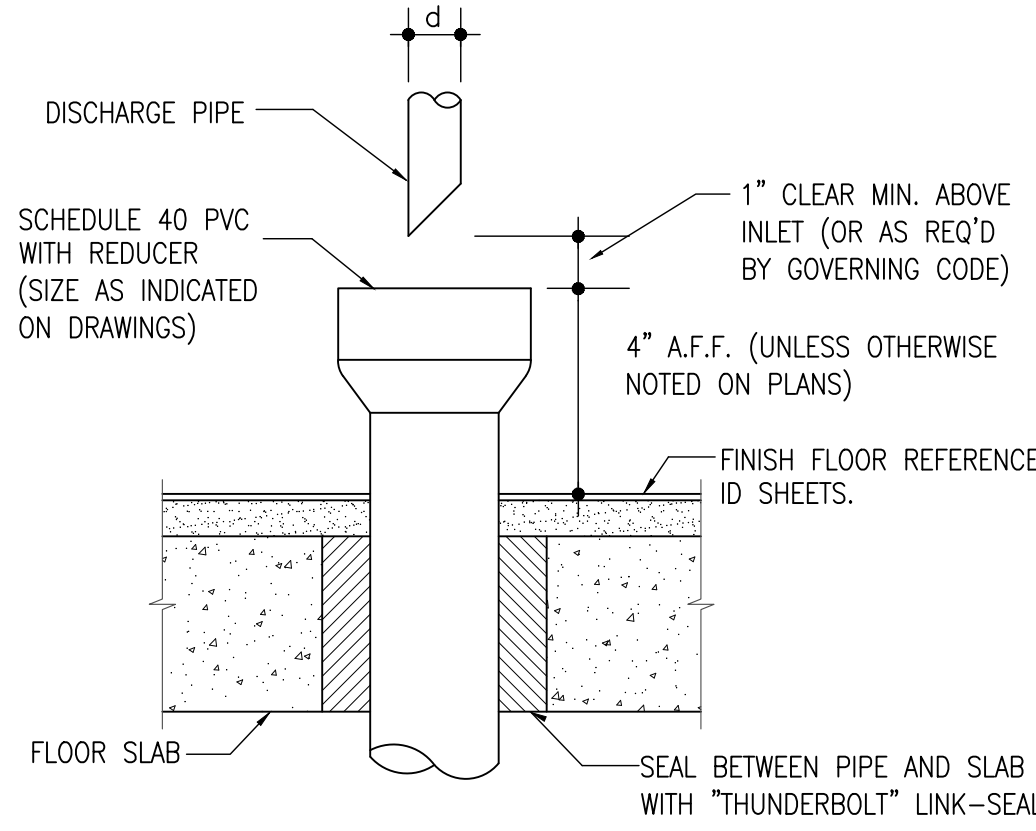
INDIRECT WASTE DETAIL

NOTE: MAXIMUM DEFLECTION FOR 3/4" TAILPIECE IS 45 DEGREE

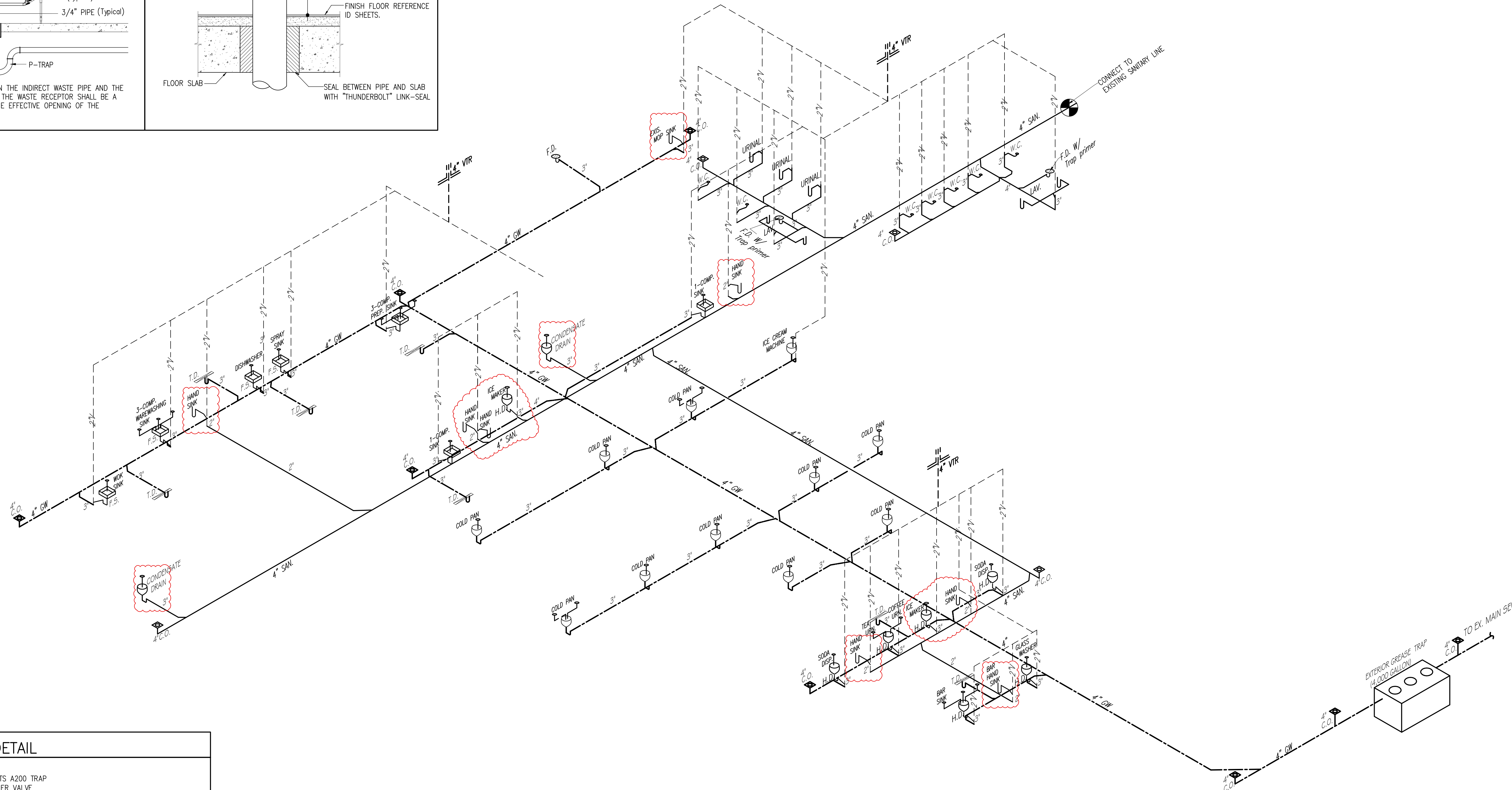
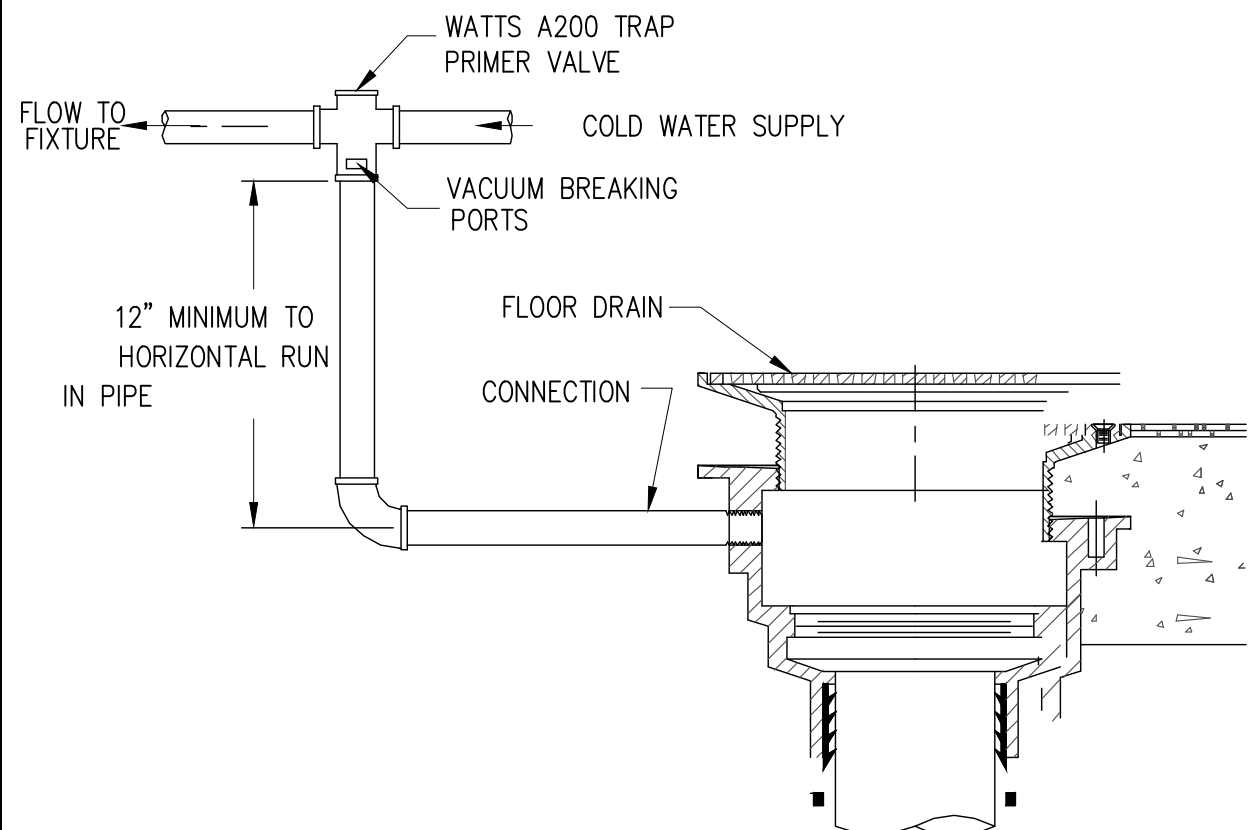


THE AIR GAP BETWEEN THE INDIRECT WASTE PIPE AND THE FLOOD LEVEL RIM OF THE WASTE RECEPTOR SHALL BE A MINIMUM OF TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE

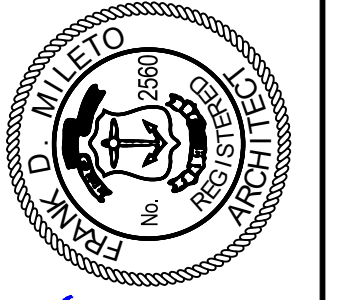
HUB DRAIN DETAIL (TYPICAL)



TRAP PRIMERS DETAIL

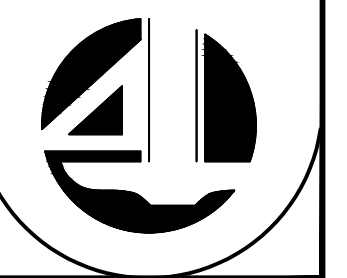


PLUMBING RISER DIAGRAM SCALE: NTS



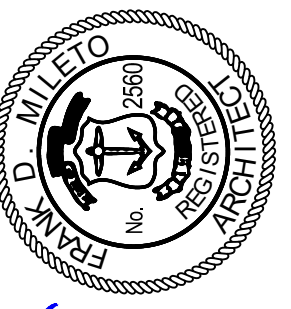
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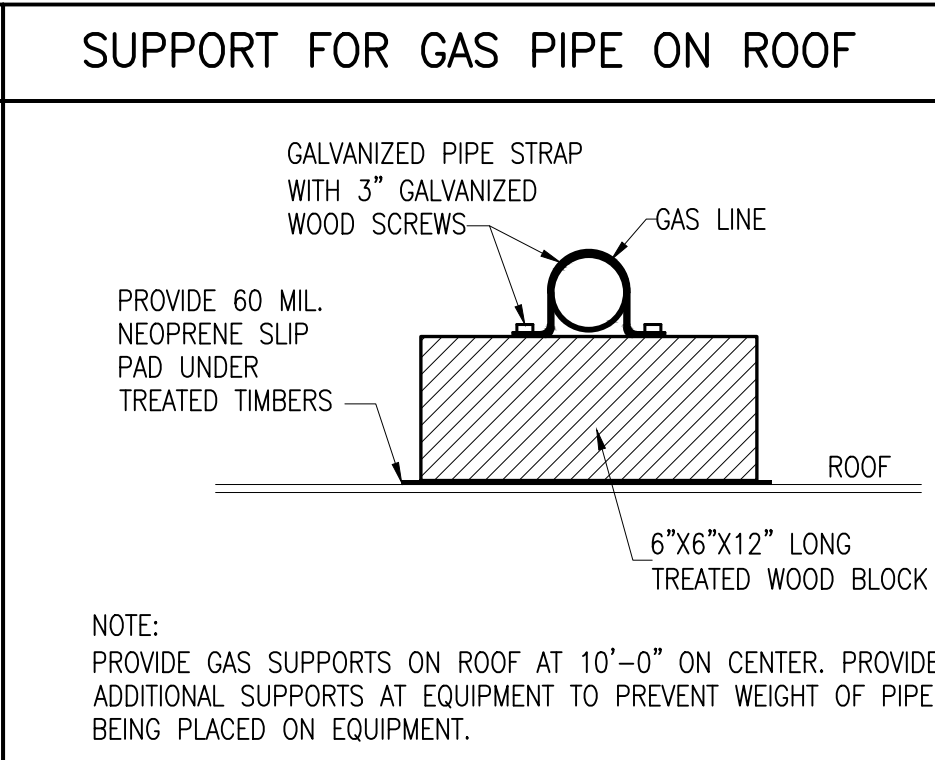
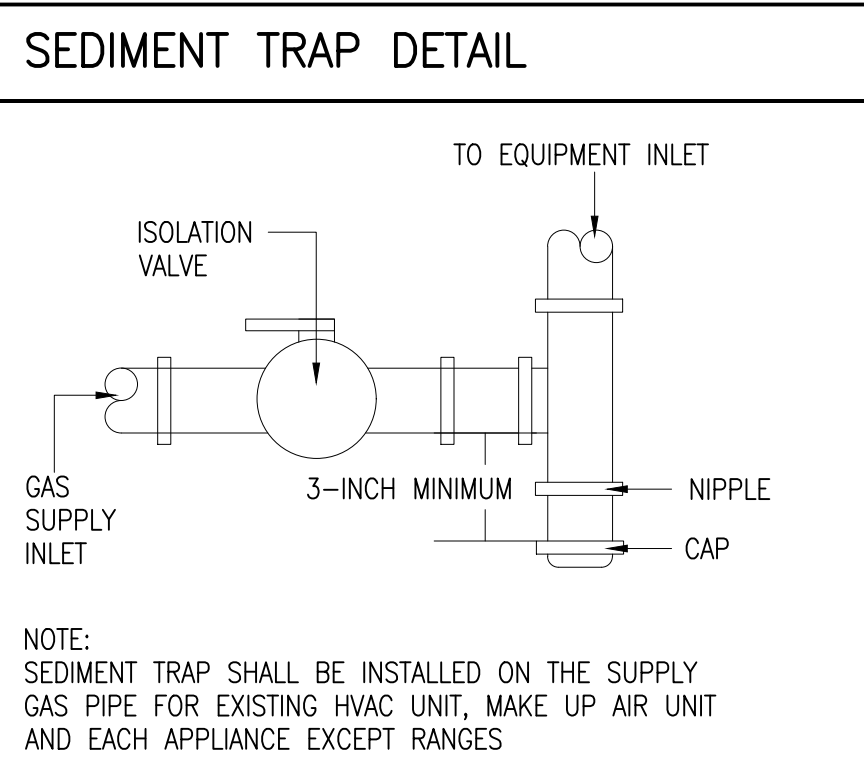
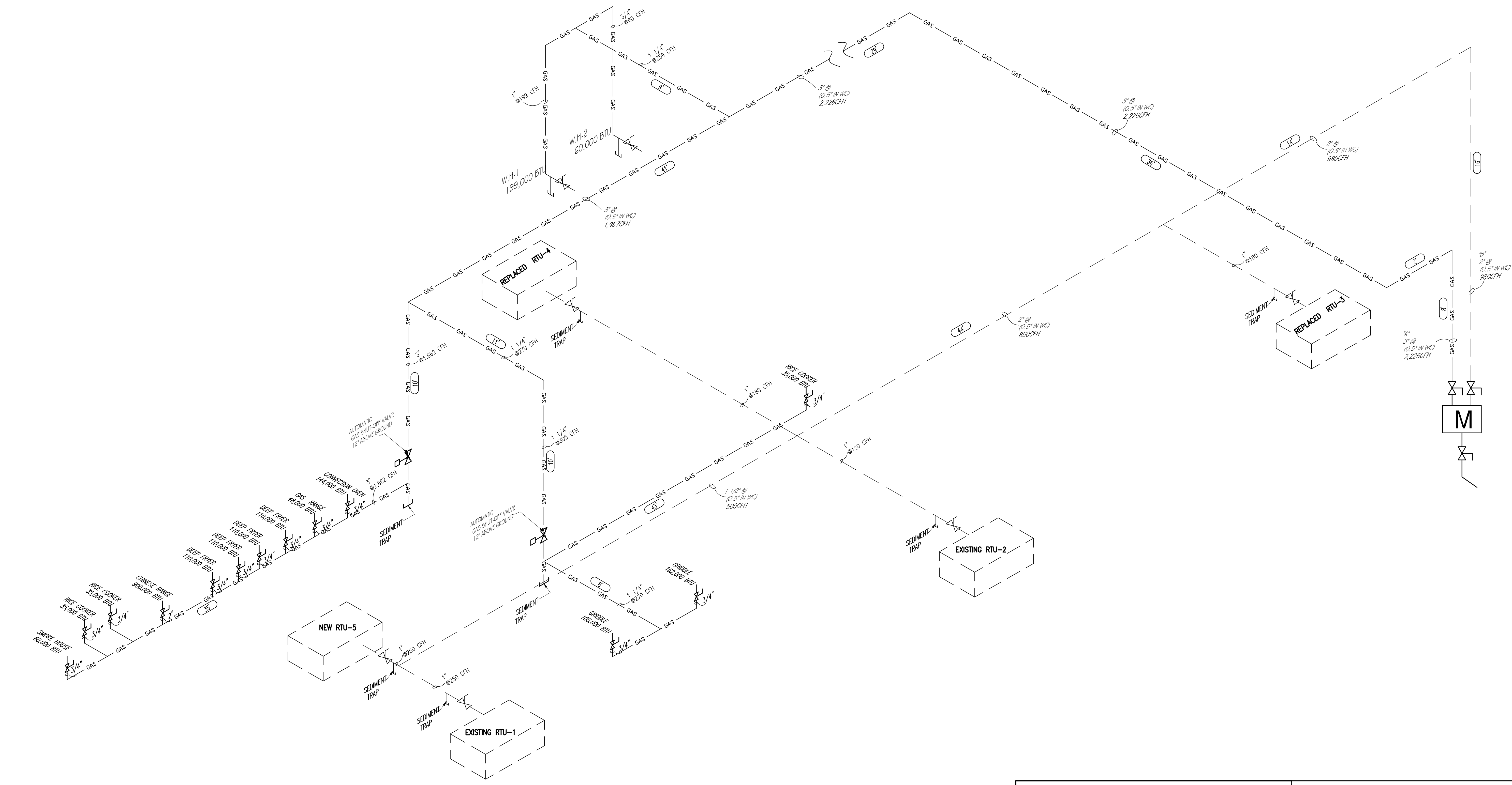


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GAS RISER DIAGRAM SCALE: NTS

GAS USAGE CHART			
EQUIPMENT	EACH (BTUH)	QTY	TOTAL (BTUH)
DEEP FRYER	110000	4	440000
CONVECTION OVEN	144000	1	144000
CHINESE RANGE STOVE	900000	1	900000
RICE COOKER	35000	3	105000
SMOKE HOUSE	60000	1	60000
GRIDDLE	162000	1	162000
GRIDDLE	108000	1	108000
GAS RANGE	48000	1	48000
WATER HEATER-1	199000	1	199000
WATER HEATER-2	60000	1	60000
EXISTING RTU-1	250000	1	250000
EXISTING RTU-2	120000	1	120000
REPLACED RTU-3	180000	1	180000
REPLACED RTU-4	180000	1	180000
NEW RTU-5	250000	1	250000
TOTAL			3206000

GAS PIPING CALCULATION BASED ON TABLE 402.4 (2) OF IFGC-2021 EDITION
MAXIMUM CAPACITY OF PIPE IN CUBIC FEET OF GAS PER HOUR FOR GAS
PRESSURE LESS THAN 2 PSI AND A PRESSURE DROP OF 0.5 INCH WATER COLUMN.
(BASE ON A 0.60 SPECIFIC GRAVITY GAS)

"A" TOTAL RUN FROM POINTS OF DELIVERY
TO THE REMOTE OUTLET APPROX. 161'
TOTAL BTUH = 2,226,000

"B" TOTAL RUN FROM POINTS OF DELIVERY
TO THE REMOTE OUTLET APPROX. 117'-0"
TOTAL BTUH = 980,000

NOTE: (IFGC 2021, SECTION 410.2)

1. A tee fitting with one opening capped or plugged shall be installed between the mp regulator and its upstream shutoff valve. such tee fitting shall be positioned to allow connection of a pressure-measuring instrument and to serve as a sediment trap.
2. A tee fitting with one opening capped or plugged shall be installed not less than 10 pipe diameters downstream of the mp regulator outlet. such tee fitting shall be positioned to allow connection of a pressure-measuring instrument.

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DRAWN:
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