

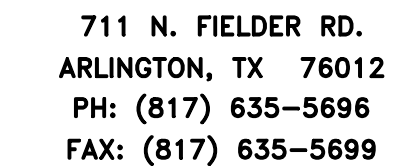


STATE OF IL ARCHITECT STATEMENT

I HAVE PREPARED OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH ALL APPLICABLE CODES INCLUDING THE ENVIRONMENTAL BARRIERS ACT (410 ILCS) AND THE ILLINOIS ACCESSIBILITY CODE (71 ILL.AMD.CODE 400)

gc 10-22-21

CORTLAND MORGAN, ARCHITECT
ILLINOIS LICENSE #001-015490
EXPIRES 11-30-2022

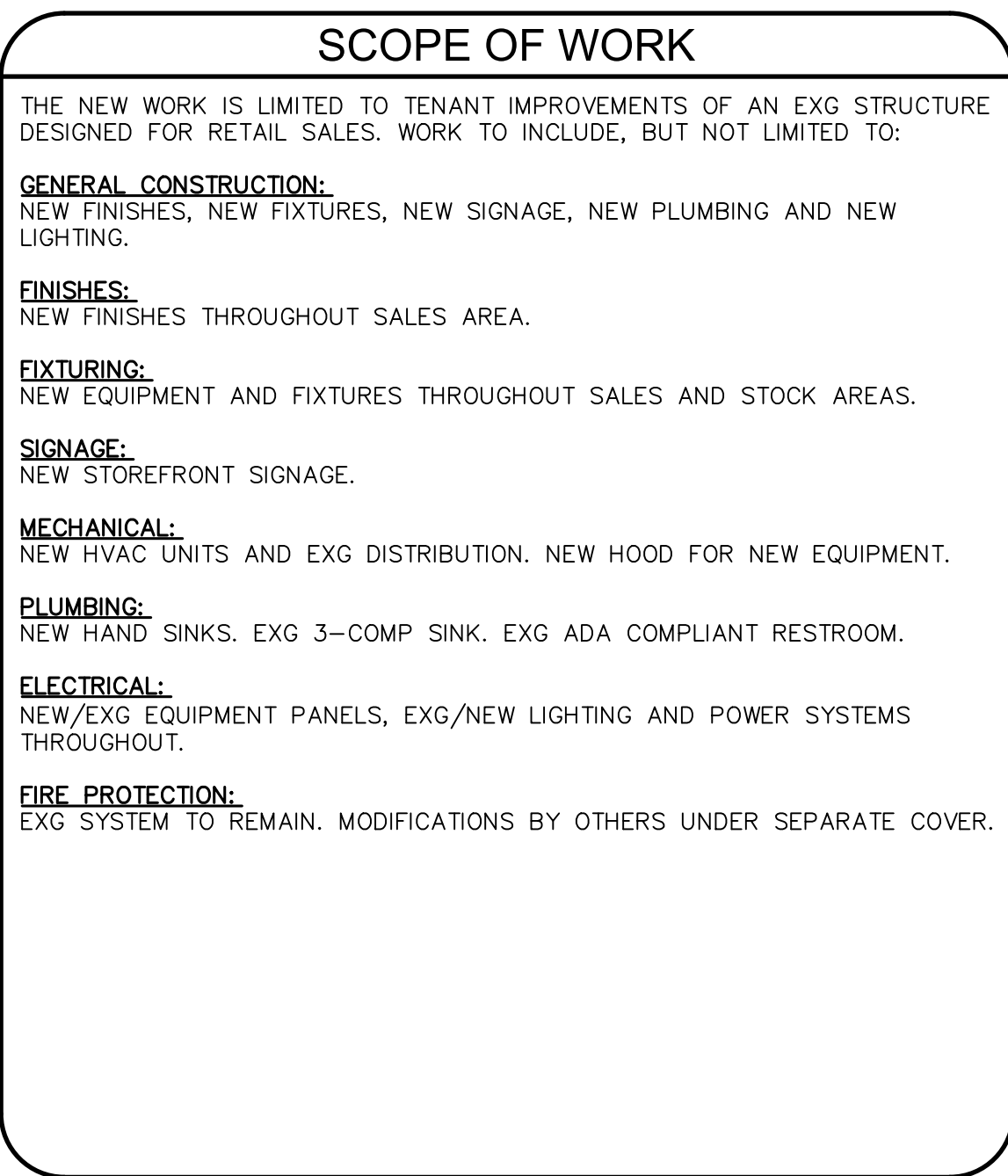


10-22-21
date

LICENSED ARCHITECT
CORTLAND P. MORGAN
001-015490
STATE OF ILLINOIS

expires 11-30-2022

signature



SHEET INDEX									
SHEET NUMBER	SHEET NAME	ORIG. ISSUE	1	2	3	4	5		
ARCHITECTURAL SHEETS									
T1	TITLE SHEET	●							
T2	SCHEDULE SHEET	●							
A0	DEMOLITION PLAN	●							
A1	FLOOR/FINISH PLAN	●	●						
A1.1	COUNTER/CASEWORK PLAN	●							
A2	REFLECTED CEILING PLAN	●							
A3	EQUIPMENT/FIXTURE PLAN	●	●						
A4	STOREFRONT ELEVATION	●							
A5	FOH ELEVATIONS	●							
A6.1	CASEWORK DETAILS	●							
A6.2	CASEWORK DETAILS	●							
MECHANICAL SHEETS									
M1	MECHANICAL PLAN	●							
M2	MECHANICAL DETAILS/SPEC	●							
M3	MECHANICAL SHEET	●							
M4	MECHANICAL SHEET	●							
PLUMBING SHEETS									
P1	PLUMBING SCHEDULES/SPECs	●	●						
P2	PLUMBING PLAN	●	●						
ELECTRICAL SHEETS									
E1	POWER PLAN	●	●						
E2	LIGHTING PLAN	●							
E3	ELECTRICAL PANEL SCHED	●	●						
E4	ELECTRICAL SPECIFICATIONS	●							

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CODE REVIEW

GOVERNING CODES: 2015 IBC
2015 IMC
2017 NEC
IL STATE PLUMBING CODE
IL STATE LIFE SAFETY CODE
IL STATE ENERGY CODE
IL STATE ACCESSIBILITY CODE

CONSTRUCTION TYPE: TYPE II-B

ON LEVEL: 1 OF 1

OCCUPANCY TYPE: M (MERCANTILE)

OCCUPANCY LOAD:

AREA	SF	SF/OCC.	OCCUPANTS
FRONT OF HOUSE	823	60	13
BACK OF HOUSE	567	300	
TOTAL	1,390		14

EXIT REQUIREMENTS: REQUIRED: 1 PROVIDED: 2

MINIMUM PLUMBING REQ: EXG ADA COMPLIANT TOILET ROOM PROVIDED.

DEFERRED SUBMITTALS: SIGNAGE, LOW VOLTAGE AND FIRE PROTECTION SYSTEMS.

TITLE SHEET

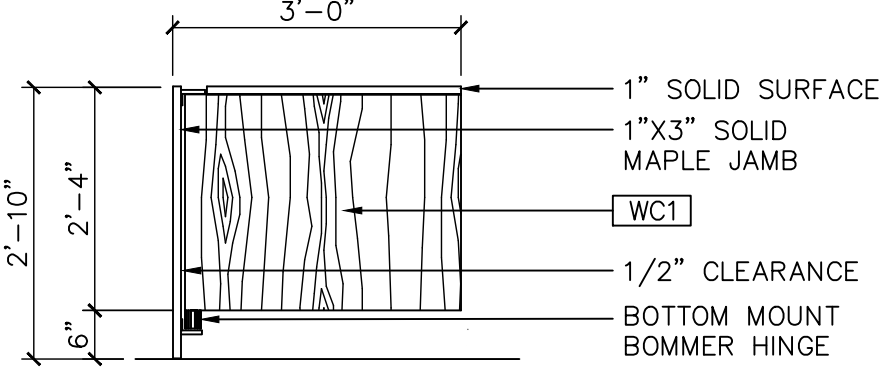
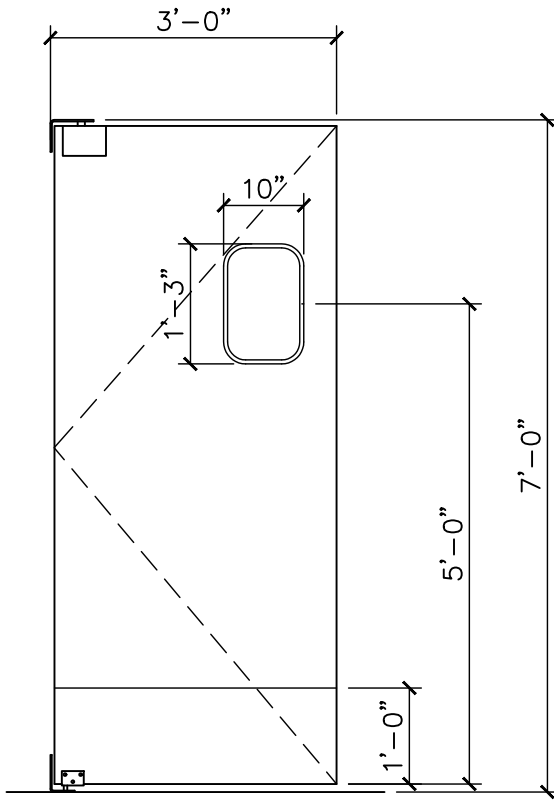
SHEET NUMBER

T1

DOOR SCHEDULE									FRAME		
TAG	ROOM	TYPE	SIZE	MAT	FIN	RATED	HDWR	CMMT	MAT	FIN	RATED
101	ENTRY	EXG	3'-0" x 7'-0"	EXG	EXG	--	EXG	1	ALUM	EXG	--
102	FOH AREA	B	3'-0" x 2'-4"	SC WD	WC2	1 3/4"	2	--	--	--	--
103	BOH AREA	A	3'-0" x 7'-0"	ALUM	SATIN	--	1	2	HM	P2	--
104	TOILET	EXG	3'-0" x 7'-0"	EXG	EXG	--	EXG	--	HM	EXG	--
105	SERVICE	EXG	3'-0" x 7'-0"	EXG	EXG	--	EXG	--	HM	EXG	--

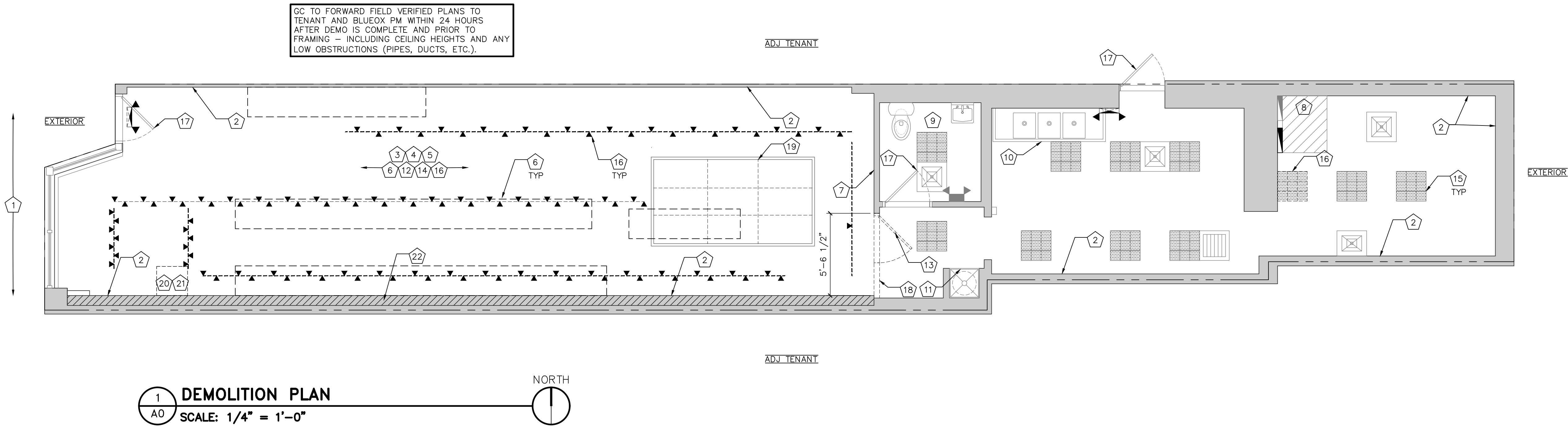
COMMENTS											
1. PROVIDE "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" SIGNAGE ABOVE DOORS.											
2. ELIASON MODEL #LWP-6											

HARDWARE SCHEDULE					
TYPE	ITEM	QTY	MANUFACTURER	MODEL #	COMMENTS
HDWR 1	KICK PLATE	2	--	--	12"H STAINLESS STEEL
TYPE	ITEM	QTY	MANUFACTURER	MODEL #	COMMENTS
HDWR 2	HINGES	1	BOMMER	BOM-3029-3-603	3" DOUBLE ACTING
GENERAL NOTES					
1. ALL HARDWARE FINISHES ARE #US26D UNLESS OTHERWISE NOTED.					



1 DOOR TYPES
T2 SCALE: 1/2" = 1'-0"

RESPONSIBILITY SCHEDULE											
ITEM	N/A	EXG	FURNISH	INSTALL	COMMENTS	ITEM	N/A	EXG	FURNISH	INSTALL	COMMENTS
00000 CONTRACTING REQUIREMENTS						10000 SPECIALTIES					
1. BONDS/INSURANCE			GC		AS REQ BY LL/TENANT	1. IDENTIFICATION DEVICES					
01000 GENERAL REQUIREMENTS						A. STOREFRONT SIGNAGE			V	GC	PER TENANT CRITERIA
1. PERMITS/FEES			GC			B. BLADE SIGN	●				
2. CERTIFICATE OF OCCUPANCY			GC			C. ART PACKS			T	GC	
3. SPECIAL INSPECTIONS/TESTING			GC	GC		D. ADA SIGNAGE			GC	GC	
4. TEMP UTILITIES	●		GC	GC		E. SERVICE DOOR SIGNAGE	●				
5. DUMPSTERS			GC		RETAIN FOR TENANT STOCKING DEBRIS	2. FIRE EXTINGUISHERS			GC	GC	LOCATED PER FIRE MARSHAL
6. FINAL CLEANING			GC		IMMEDIATELY PRIOR TO TURNOVER	3. TOILET ROOM ACCESSORIES	●		GC	GC	
02000 SITE CONSTRUCTION						11000 EQUIPMENT					
1. DEMOLITION			GC		SEE SHEET A0	1. MENU BOARDS					SEE SHEET A3 FOR RESPONSIBILITY
2. ASBESTOS ABATEMENT				GC	IF FOUND CONTACT BLUEOX IMMEDIATELY	2. KITCHEN EQUIPMENT					SEE SHEET A3 FOR RESPONSIBILITY
3. BARRICADE	●					12000 FURNISHINGS					
4. BARRICADE GRAPHICS	●					1. MANAGER'S DESK/CHAIR/SAFE/ETC	●				SEE SHEET A3 FOR RESPONSIBILITY
03000 CONCRETE						13000 SPECIAL CONSTRUCTION					
1. SLAB CUTTING/CORING/INFILL			GC	GC		1. SEISMIC RESTRAINT	●				
2. CAST-IN-PLACE/VAPOR BARRIER		●				14000 CONVEYING SYSTEMS					
3. FINISHES	●					NO WORK UNDER THIS DIVISION					
4. GROUT			GC	GC	SEE FINISH SCHED	21000 FIRE SUPPRESSION					
04000 MASONRY						1. FIRE SPRINKLER SYSTEM MODIFICATIONS					
NO WORK UNDER THIS DIVISION						●					
05000 METALS						22000 PLUMBING					
1. METAL STUDS/TRACK			GC	GC		1. WATER/SEWER/FIRE STUB--INS		●			
2. METAL STRAPPING W/ IN WALLS	●					2. TOILET ROOM FIXTURES		●	GC	GC	SEE PLUMBING SHEETS
3. HVAC STRUCTURAL SUPPORT						3. DRINKING FOUNTAIN		●			
4. STAINLESS STEEL BASE			GC	GC	SEE [BT1] IN FINISH SCHED	4. MOP SINK		●	GC	GC	SEE PLUMBING SHEETS
06000 WOODS AND PLASTICS						5. HAND SINK/3--COMP SINK/ETC		●			SEE SHEET A3 FOR RESPONSIBILITY
1. FRT WOOD BLOCKING			GC	GC		6.WASHER/DRYER			T	GC	SEE PLUMBING SHEETS
2. ARCHITECTURAL CASEWORK			GC	GC	SEE SHEET A1.1	23000 HEATING, VENTILATION AND AIR CONDITIONING					
3. WOOD CLADDING			GC	GC	SEE [WT] IN FINISH SCHED	1. HVAC UNIT			GC	GC	
4. FIBERGLASS REINFORCED PLASTIC			GC	GC	SEE [FRP] IN FINISH SCHED	2. DISTRIBUTION SYSTEM			GC	GC	
5. LAMINATE			GC	GC	SEE FINISH SCHED	3. THERMOSTAT/BUILDING CONTROLS			GC	GC	
6. SOLID SURFACE			GC	GC	SEE FINISH SCHED	4. TOILET EXHAUST FAN		●	GC	GC	
7. FRT TTB BOARD			GC	GC		5. AIR BALANCE REPORT			GC	GC	PROVIDE REPORT TO TENANT
07000 THERMAL AND MOISTURE CONTROL						25000 INTEGRATED AUTOMATION					
1. FLOOR WATERPROOFING						NO WORK UNDER THIS DIVISION					
2. WALL/DECK INSULATION											
3. PIPE INSULATION						26000 ELECTRICAL					
4. FIRE PROOFING						1. POWER DISTRIBUTION SYSTEM					
5. ROOF PENETRATIONS AND REPAIR						A. LL MAIN DISTRIBUTION PANEL					
						●					
08000 DOORS AND WINDOWS						B. METER					
1. STOREFRONT GLAZING SYSTEM		●				●					
2. STOREFRONT ENTRY SYSTEM		●				C. MAIN SERVICE CONDUIT					
3. TOILET ROOM DOOR/FRAME		●				●					
4. SERVICE DOOR/FRAME		●				D. MAIN SERVICE WIRING					
5. WEATHERSTRIPING/SEALS		●				GC					
6. HARDWARE/DOOR CORES			GC	GC		E. TENANT ELEC PANELS					
7. SNEEZE GUARDS			GC	GC	3/8" TEMP GLASS IN 'U' CHANNEL W/ C.R. LAWRENCE #S06C90SC, NDC4SC, GC8180SC, S06C37LSC	GC					
09000 FINISHES						F. TENANT TRANSFORMER					
1. GYPSUM BOARD WALLS/CEILINGS		●	GC	GC		●					
A. FIRE STOPPING/WALL PENETRATIONS			GC	GC	MAINTAIN WALL FIRE RATING	G. WIRING/OUTLETS/SWITCHES					
2. ACOUSTICAL CEILING SYSTEMS		●				GC					
3. FLOORING						H. LOW VOLTAGE CONDUIT/PULL STRINGS					
A. TILE			GC	GC	SEE FINISH SCHED	GC					
B. MALL FLOORING		●				2. TIME CLOCK					
C. TRANSITIONS			GC	GC		GC					
4. PAINT			GC	GC	SEE FINISH SCHED	3. LIGHTING/EMERGENCY LIGHTING					
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KEYED NOTES

- EXG STOREFRONT SYSTEM TO REMAIN.
- EXG DEMISING WALLS TO REMAIN. PREP WALLS TO BE READY FOR NEW FINISHES, WHERE APPLICABLE.
- NOTE NOT USED.
- EXG STRUCTURAL COLUMNS TO REMAIN, INCLUDING FIRE RATING.
- DEMO ALL FLOOR FINISHES AND CLEAN/SCRAP FLOOR SO READY FOR NEW FINISHES IN FOH AREA ONLY.
- REMOVE ALL EXG FIXTURES THROUGHOUT SALES AREA.
- EXG WALL PARTITION TO REMAIN. PREP FOR NEW FINISHES.
- EXG ELECTRICAL EQUIPMENT TO REMAIN.
- EXG TOILET ROOM/PLUMBING FIXTURES TO REMAIN.
- EXG 3-COMP SINK TO REMAIN
- EXG MOP SINK TO REMAIN.
- EXG CEILINGS AND LIGHTING J-BOXES TO REMAIN.
- DEMO DOOR AND FRAME. PREP FOR NEW DOOR.
- SEE MECH SHEETS FOR SCOPE OF WORK ON HVAC AND DUCTWORK.
- EXG LIGHT FIXTURE IN BOH TO REMAIN.
- EXG DOOR TO REMAIN.
- DEMO PORTION OF WALL.
- EXG CEILING FEATURE TO REMAIN WITH MODIFICATION, SEE SHEET A2.
- EXG CANDY MELTER AND GAS LINE TO REMAIN.
- EXG COOPER HOOD TO REMAIN.
- RETAIN EXG WALL LEDGE. PREPARE FOR NEW FINISHES.

DEMOLITION GENERAL NOTES

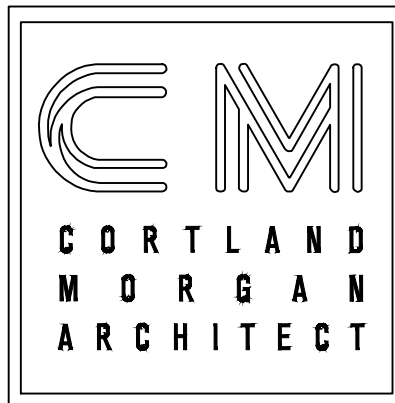
- REVIEW ALL SHEETS - INC MEP IF APPLICABLE - PRIOR TO STARTING DEMO TO FULLY UNDERSTAND THE FULL INTENT OF THE PROJECT.
- COORDINATE ALL DEMO WORK WITH TENANT, BLDG MGMT (INCLUDING THE TENANT CRITERIA), ADJACENT TENANTS AND ANY OTHER CONCERNED PARTIES PRIOR TO START OF WORK.
- CONTRACTOR TO PROPERLY DISPOSE OF ALL REMOVED ITEMS, AND EXCESS ITEMS FROM CONSTRUCTION, FROM THE JOB-SITE IN ACCORDANCE WITH AHJ AND PER TENANT CRITERIA.
- REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQ FOR THE WORK DESCRIBED HEREIN, AT NO COST TO THE TENANT.
- CEASE ALL OPERATIONS AND NOTIFY BLDG MGMT IMMEDIATELY IF SAFETY OF STRUCTURE APPEARS TO BE ENDANGERED.
- EXG SPRINKLER LINES ARE TO REMAIN. SEE NOTES ON SHEET A102 AND FIRE PROTECTION DRAWINGS, IF APPLICABLE, FOR SCOPE.
- ANY ITEMS, FIXTURES, EQUIPMENT, SYSTEMS, OR DEVICES AS INDICATED TO REMAIN, ARE TO BE INSPECTED BY QUALIFIED TECHNICIAN OR TRADESPERSON AND ADVISE TENANT OF VIABILITY OF REUSE.
- IF EXG, FIRE PROOFING AT STRUCTURAL ELEMENTS SHALL REMAIN. REPLACE ANY FIRE PROOFING DAMAGED DURING THE COURSE OF CONSTRUCTION OR DEMO WITH EXACT MATCHING MATERIALS AND RATINGS.
- IF APPLICABLE, REMOVE ALL UNUSED OR ABANDONED ELECTRICAL, MECHANICAL, PLUMBING AND LOW VOLTAGE ITEMS, CONDUIT, ETC., BACK TO THE SOURCE, INCLUDING ROOF TOP EQUIPMENT, CURBS, ETC. PATCH THE ROOF AS PER LL'S REQUIREMENTS. COORDINATE WITH MEP SHEETS.
- IF APPLICABLE, ARRANGE AND PAY FOR DISCONNECTION, REMOVING AND CAPPING OF UTILITY SERVICES WITHIN AREAS OF DEMO, DISCONNECT AND STUB OFF ALL UTILITIES AFFECTED BY THE DEMO WORK. NOTIFY THE AFFECTED UTILITY COMPANY AND BLDG MGMT IN ADVANCE AND OBTAIN APPROVAL PRIOR TO THIS WORK.
- IF APPLICABLE, PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES. IDENTIFY SERVICE LINES AND CAPPING LOCATIONS ON PROJECT RECORD DOCUMENTS.

DATE: 08/20/21

JOB NO: 2121.04

DRAWN: STAFF

CHECKED: CM



711 N. FIELDER RD.
ARLINGTON, TX 76012
PH: (817) 635-5696
FAX: (817) 635-5699

AUNTIE ANNE'S/ROCKY MOUNTAIN
CHOCOLATE FACTORY
50B SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525

4/5/21
date



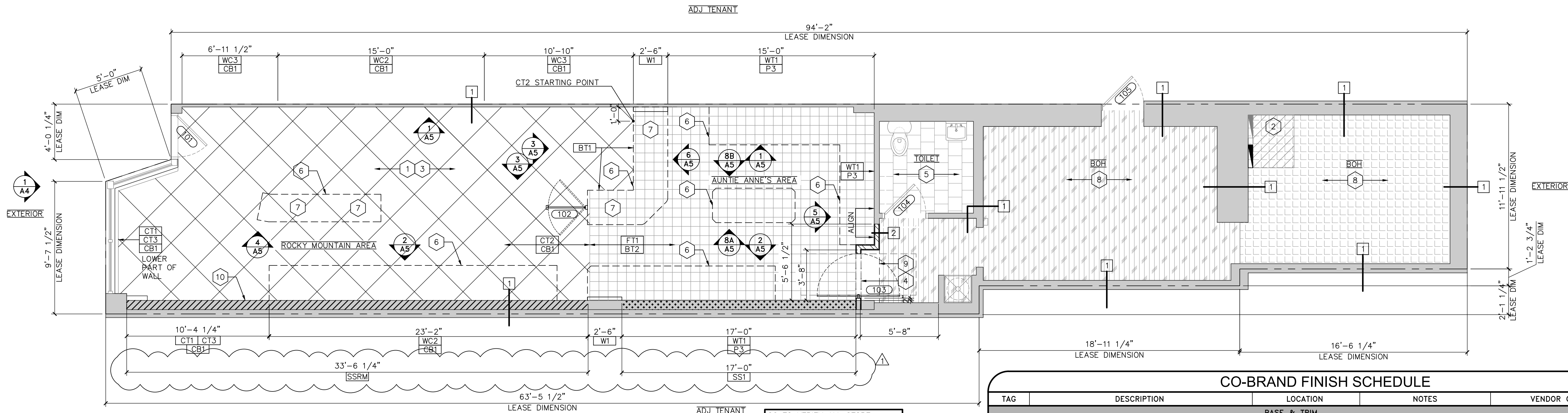
REVISIONS

TAG	DATE	DESCRIPTION
1	9/15/21	PERMIT SET
2		
3		
4		
5		
6		

DEMOLITION PLAN

SHEET NUMBER

A0



1 FLOOR/FINISH PLAN
SCALE: 1/4" = 1'-0"



GC TO VERIFY ALL STORE DIMENSIONS AFTER DEMO IS COMPLETE AND SEND "SITE VERIFIED" DIMENSIONS TO BLUEOX. IF DISCREPANCIES EXIST ENSURE CLARIFICATION/ APPROVAL IS RECEIVED FROM BLUEOX PRIOR TO FRAMING.

KEYED NOTES

- EXG STRUCTURAL COLUMNS TO REMAIN. MAINTAIN FIRE RATING.
- LOCATION OF ELEC EQUIPMENT. ENSURE 36" CLEAR FLOOR SPACE IN FRONT OF EQUIP IS MAINTAINED.
- PROVIDE 2A-10BC FIRE EXTINGUISHERS AT LOCATIONS DIRECTED BY FIRE MARSHAL - MINIMUM 75'-0" TRAVEL DISTANCE FROM ANY LOCATION.
- ENSURE ADA COMPLIANT TRANSITION BETWEEN FINISHES.
- EXG FINISHES IN RESTROOM TO REMAIN. BRING TO "LIKE-NEW" CONDITION.
- OUTLINE OF COUNTER, SEE SHEET A1.1 FOR MORE INFORMATION.
- PROVIDE PHONE LINES AT POS SYSTEM.
- EXG BACK OF HOUSE, FIXTURES, AND FINISHES TO REMAIN. BRING TO "LIKE-NEW" CONDITION.
- VINYL FLOOR INFILL. MATCH EXISTING BACK OF HOUSE FLOORING.
- EXG WALL LEDGE TO REMAIN. CAP WITH SSRM FINISH.

WALL PARTITION SCHEDULE

TAG	PLAN VIEW	DESCRIPTION	CMQTS
1		EXG DEMISING/ INTERIOR WALL TO REMAIN. REPAIR GYP BD OF DEMISING ON TENANT SIDE ONLY AS REQ TO ACHIEVE LEVEL 4 FINISH.	A
2		3 5/8" MTL STUDS W/ 5/8" TYPE 'X' GYP BRD TO CEILING ABOVE.	

COMMENTS

GENERAL NOTES

- ALL GYP BD TO BE TAPED AND SPACKLED (3) COATS (SAND IN-BETWEEN COATS), PRIME (1) COAT, AND PAINT (2) COATS. LEVEL 4 FINISH IS REQ.
- ALL GYP BD AT WET AREAS TO BE GREENBOARD.

STUD SPACING SCHEDULE

WALL HEIGHT	STUD SPEC	MAXIMUM SPACING
0'-0" TO 10'-10"	362S125-18 (25 GA)	16" OC
10'-10" TO 12'-5"	362S125-33 (20 GA)	24" OC
12'-5" TO 13'-6"	362S125-33 (20 GA)	16" OC
13'-6" TO 15'-6"	362S125-33 (20 GA)	12" OC
15'-6" TO 16'-11"	362S125-33 (20 GA)	12" OC
16'-11" TO 19'-8"	362S125-54 (16 GA)	12" OC
19'-8" TO 26'-7"	600S162-54 (16 GA)	16" OC

CO-BRAND FINISH SCHEDULE

TAG	DESCRIPTION	LOCATION	NOTES	VENDOR CONTACT INFO
BASE & TRIM				
BT1	STAINLESS STEEL 16 GA 6" T W/ SATIN FINISH BASE	CUSTOMER AREAS	--	SOURCE LOCALLY
BT2	'CREATIVE MATERIALS CORP' 6" x 12" NIMBLE "SPECKLED TAUPE MATTE" COVE BASE	BOH/FOH PRODUCTION AREAS	--	AMY BURKE 800.207.2967 x2663 auntiannestile@creativematerialscorp.com
TR1	'SCHLUTER' 5/16" x 8" BRIGHT WHITE JOLLY	RONDEC: OUTSIDE EDGES DECO: MAT TRANSITIONS	--	AMY BURKE 800.207.2967 x2663 auntiannestile@creativematerialscorp.com
CB1	'SARK TILE' 30" x 30" PORCELAIN PAVER TILES - #SAR04 - CUT DOWN TO 6"x 6" USE [G3] GROUT.	RMCF: FRONT SALES AREA (EMPLOYEE & CUSTOMER)	'SCHLUTER' DILEX-AHK IN 100AE - AT INSIDE/OUTSIDE CORNER, CONNECTORS AND END CAPS	ELIZABETH GRAM 402.706.1300 regionalsales@sarktile.com or KATIE DANEHEY 402.475.1300 katie@sarktile.com
CASEWORK & COUNTER SURFACES				
PL3	'FORMICA' #7012-58 "AMBER MAPLE"	AA CASEWORK, CABINATE DOORS	--	--
SS1	'DUPONT' CORIAN "WITCH HAZEL" MATTE FINISH, PRETZEL & STRIP INLAY "GLACIER WHITE"	AA COUNTERS	--	TIANA BRAGG 925.337.3438
SSRM	'WILSONART' #9200-CS "MYSTIQUE"	RMFC COUNTERS AND SPLASH	--	TONY CALABRESE 602.278.4671 tc@finnretail.com
PL4	'WILSONART' #7942K-07 "COCO BALA"	RMCF CABINETS	--	TONY CALABRESE 602.278.4671 tc@finnretail.com
PL5	'WILSONART' #6284 "COPPER"	RMCF CABINET INTERIOR TRIM	--	TONY CALABRESE 602.278.4671 tc@finnretail.com
FLOORING				
FT1	'CREATIVE MATERIALS CORP' 8" x 8" NIMBLE "SPECKLED TAUPE MATTE" TILE	BOH/FOH PRODUCTION AREAS	USE [G2] GROUT	AMY BURKE 800.207.2967 x2663 auntiannestile@creativematerialscorp.com
G2	'MAPEI' KERAPOXY #07 "CHOCOLATE" GROUT	[FT1] [FT2]	1/4" GROUT JOINT	AMY BURKE 800.207.2967 x2663 auntiannestile@creativematerialscorp.com
G3	'LATICRETE' #89 SMOKE GREY SPECTRALOCK 2000 IG GROUT	[CB1] [CT2]	1/8" GROUT JOINT	--
CT2	'SARK TILE' 30" x 30" PORCELAIN PAVER TILES - #SAR04 - 3/16" JOINT (1/4" JOINT MAX)	RMCF: FRONT SALES AREA (EMPLOYEE & CUSTOMER)	USE [G3] GROUT	ELIZABETH GRAM 402.706.1300 regionalsales@sarktile.com or KATIE DANEHEY 402.475.1300 katie@sarktile.com

PAINT

P1	'BENJAMIN MOORE' ECO SPEC #869 "OXFORD WHITE", SATIN SHEEN	WALLS/CEILINGS	--	--
P2	'BENJAMIN MOORE' ECO SPEC #869 "OXFORD WHITE", GLOSS SHEEN	DOORS/DOOR FRAMES	--	--
P3	'BENJAMIN MOORE' ECO SPEC #800 "PALATIAL SKIES", SATIN SHEEN	SALES AREA ABOVE TILE	USE ONLY WHEN BRANDS ARE SEPARATE	--
P4	'SHERWIN WILLIAMS' #6090 "JAVA", SATIN SHEEN	SALES AREA ABOVE TILE	USE ONLY WHEN BRANDS ARE SEPARATE	--

WALL SURFACES

FRP	'MARLITE' PEBBLED SURFACE #P/100 "WHITE" FIBER REINFORCED PLASTIC	BOH/TOILET ROOM, NOT VISIBLE BY CUSTOMERS	CLASS A RATING	MICHAEL HAVRILLA 404.591.1234
G1	'MAPEI' KERAPOXY #02 "PEWTER" NON-SANDED GROUT	[WT1]	3/16" GROUT JOINT	AMY BURKE 800.207.2967 x2663 auntiannestile@creativematerialscorp.com
W1	'PATTON GROUP' 5"W, RANDOM LENGHT (12" TO 48") ENGINEERED HICKORY PLANKS	SALES COUNTER FACADE, PILASTER & SOFFIT	--	teamspecialist@thepattongroup.com
WC2	HYDROSHIELD LAMINATE "WOODLAND GATHERING"	RMCF: CUSTOMER SALES WALL	WATER RESISTANT	--
WC3	TABEAU LANARK VINYL #L2-TA-14 "PAINTED DESERT"	SEE PLAN FOR LOCATION	EAST US SUPPLIER: DL COUCH KIM 800.433.0790 x1008	WEST US SUPPLIER: TRI-KES 800.200.8120
WT1	'CREATIVE MATERIALS CORP' 4" x 12" TEN THIRTY "WHITE" W/ GLOSS FINISH TILE	STFT WALLS @ BULKHEAD FOH WALLS TO 5' AFF	HALF RUNNING BOND PATTERN	AMY BURKE 800.207.2967 x2663 auntiannestile@creativematerialscorp.com
CT1	'SARK TILE' 3" x 12" BLANCO 30% - 1/8" JOINTS GROUT: LATICRETE UN-SANDED 'STERLING SILVER' #78	RMCF: FRONT SALES EMPLOYEE SIDE	SUBWAY PATTERN. SEE 2/A5.	NATIONAL ACCCOUNT - SARK TILE
CT3	'SARK TILE' 3" x 6" BLANCO 70% - 1/8" JOINTS GROUT: LATICRETE UN-SANDED 'STERLING SILVER' #78	RMCF: FRONT SALES EMPLOYEE SIDE	SUBWAY PATTERN. SEE 2/A5.	NATIONAL ACCCOUNT - SARK TILE

GENERAL NOTES

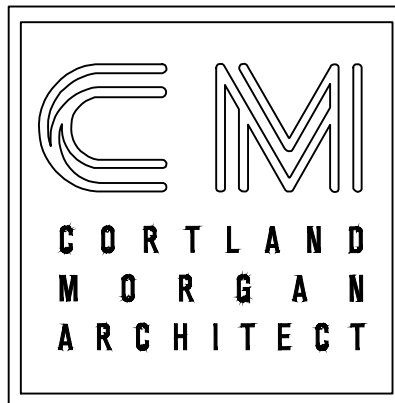
- INTERIOR FINISHES TO HAVE A MIN FLAME SPREAD OF CLASS C, MAX SMOKE DENSITY OF 450.
- WALLS TO BE PREPPED TO LEVEL 4 FINISH - AS DESCRIBED BY THE NATIONAL GYPSUM COMPANY - PRIOR TO PAINTING. PRIME (1) COAT, PAINT (2) COATS. USE GLIDDEN PROFESSIONAL "GRIPPER" #GL3210-1200 PRIMER.
- PAINTER IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL HARDWARE, SWITCH AND OUTLET PLATES.
- PAINTER TO LEAVE BEHIND 1 GAL (NOT 5 GAL) OF EACH COLOR.
- NO ORANGE PEEL FINISH ALLOWED.

DATE: 8/18/21

JOB NO: 2121.04

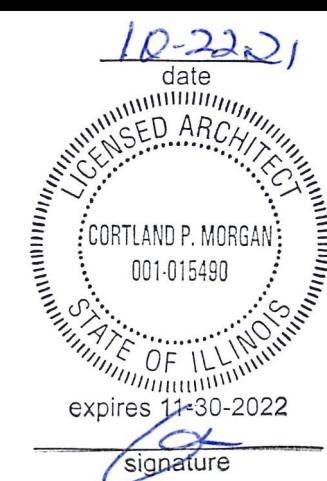
DRAWN: STAFF

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711 N. FIELDER RD.
ARLINGTON, TX 76012
PH: (817) 635-5696
FAX: (817) 635-5699

AUNTIE ANNE'S/ROCKY MOUNTAIN
CHOCOLATE FACTORY
50B SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525



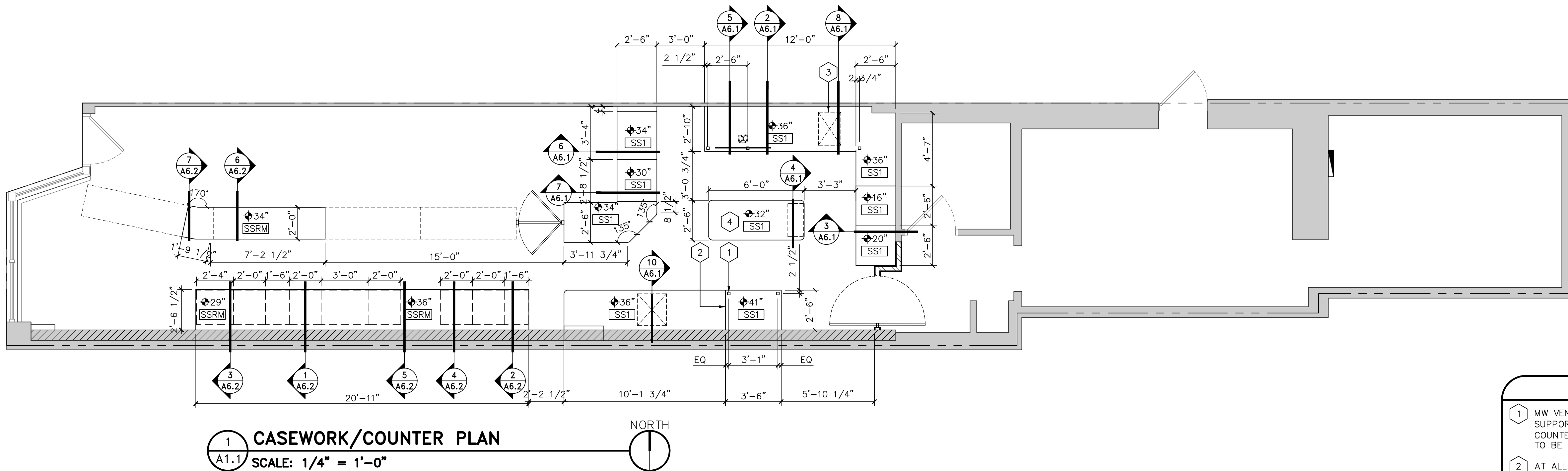
REVISIONS

TAG	DATE	DESCRIPTION
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2	10/21/21	AHJ RESPONSE
3		
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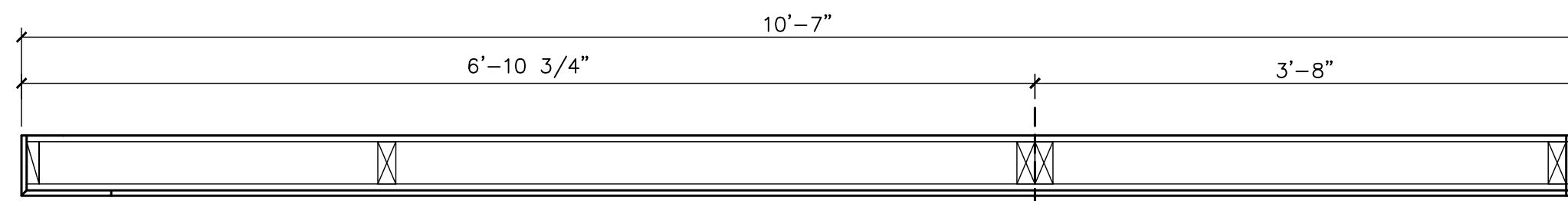
FLOOR/FINISH
PLAN

SHEET NUMBER

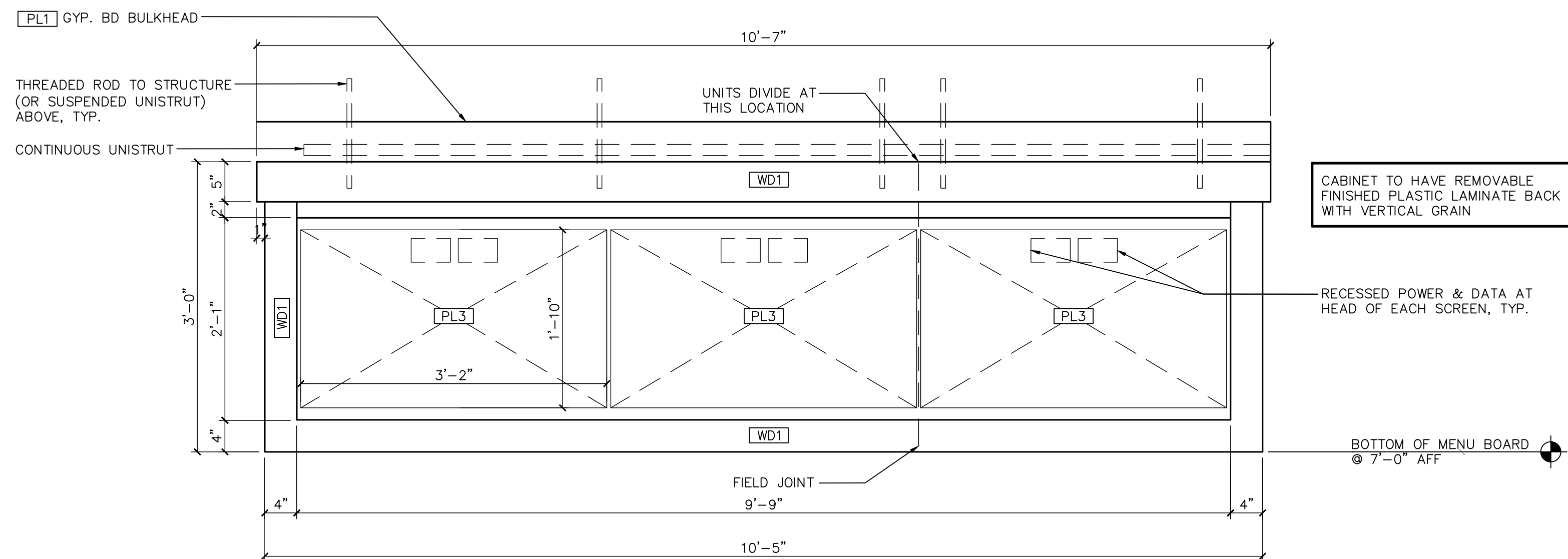
A1



- KEYED NOTES**
- 1 MW VENDOR TO PROVIDE 2"x2" SQUARE ADJUSTABLE SS COUNTER SUPPORT LEGS. LEGS TO BE INSTALLED AT 36" OC MAX AT ROLLING COUNTER AND NO MORE THAN 48" OC AT ALL OTHER LOCATIONS. LEGS TO BE ANCHORED TO FLOOR AFTER EQUIP IS IN PLACE.
 - 2 AT ALL COUNTER HEIGHT TRANSITIONS USE 1/2" COUNTER MATERIAL.
 - 3 VERIFY ALL EQUIP CUTOUT SIZES W/ EQUIP SPECS.
 - 4 SEE 14/A6.1 FOR MORE ISLAND DETAILS.

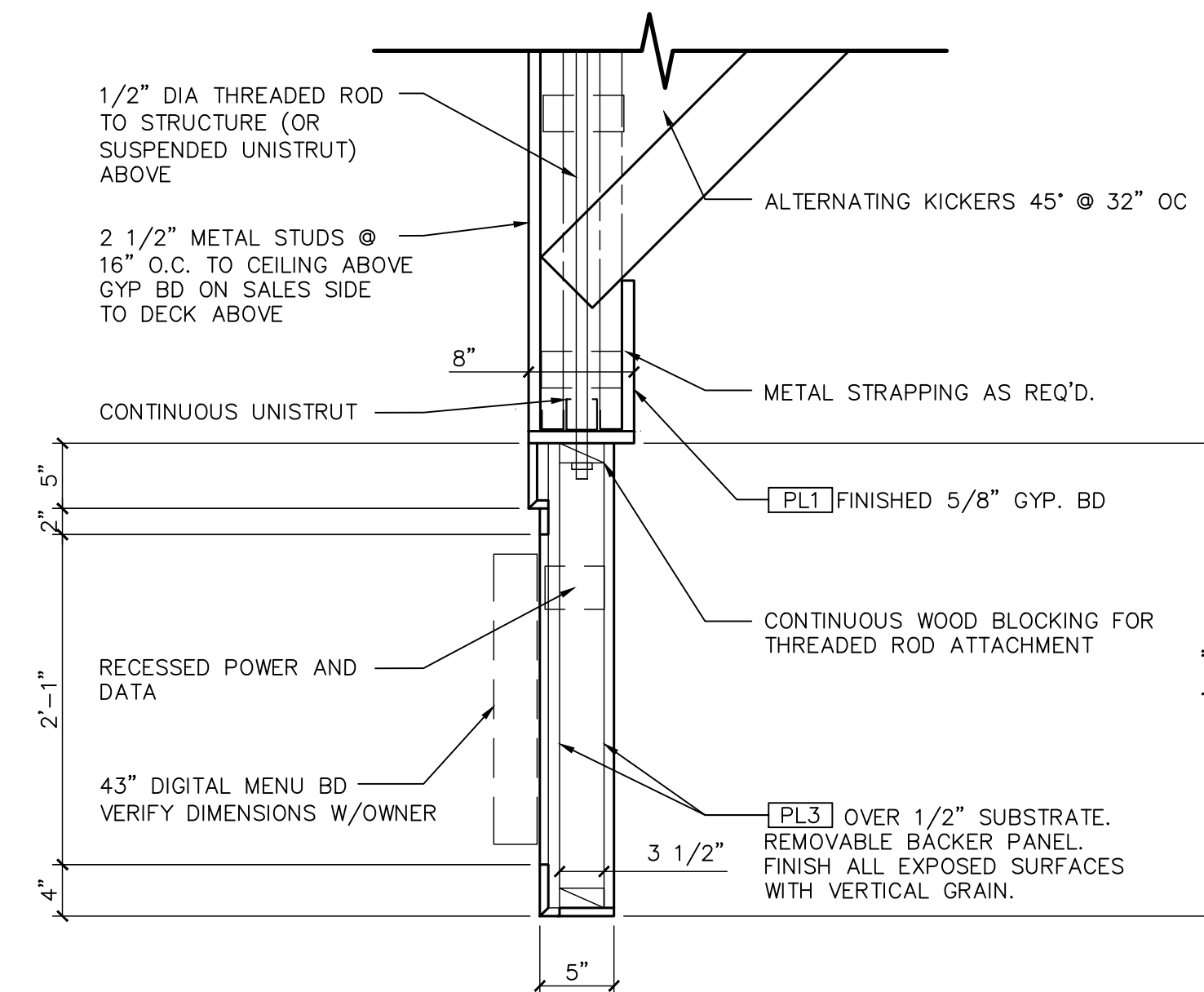


B SECTION



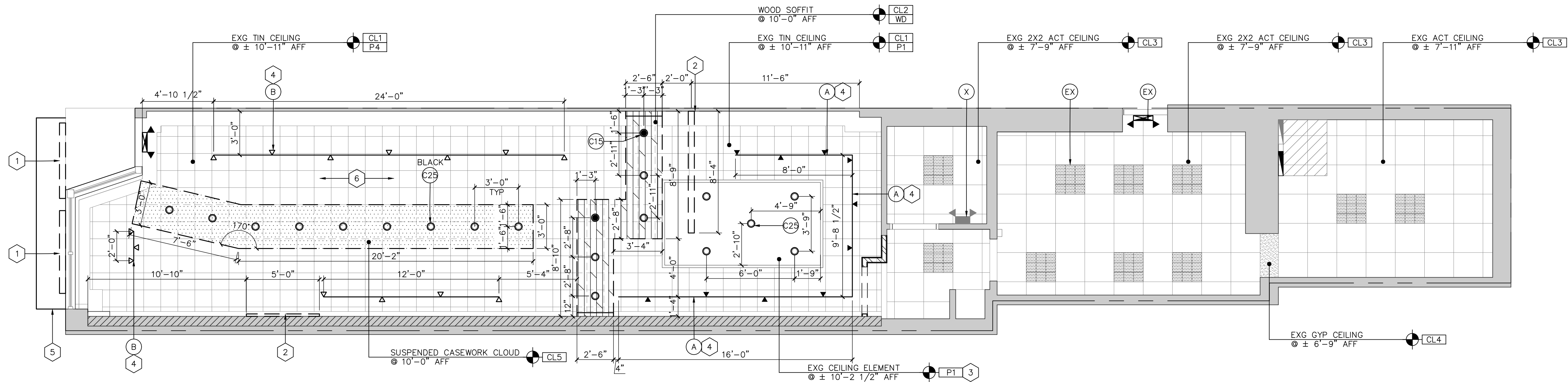
A FRONT ELEVATION

2 DIGITAL MENU BOARD (A1.1)
SCALE 1" = 1'-0"

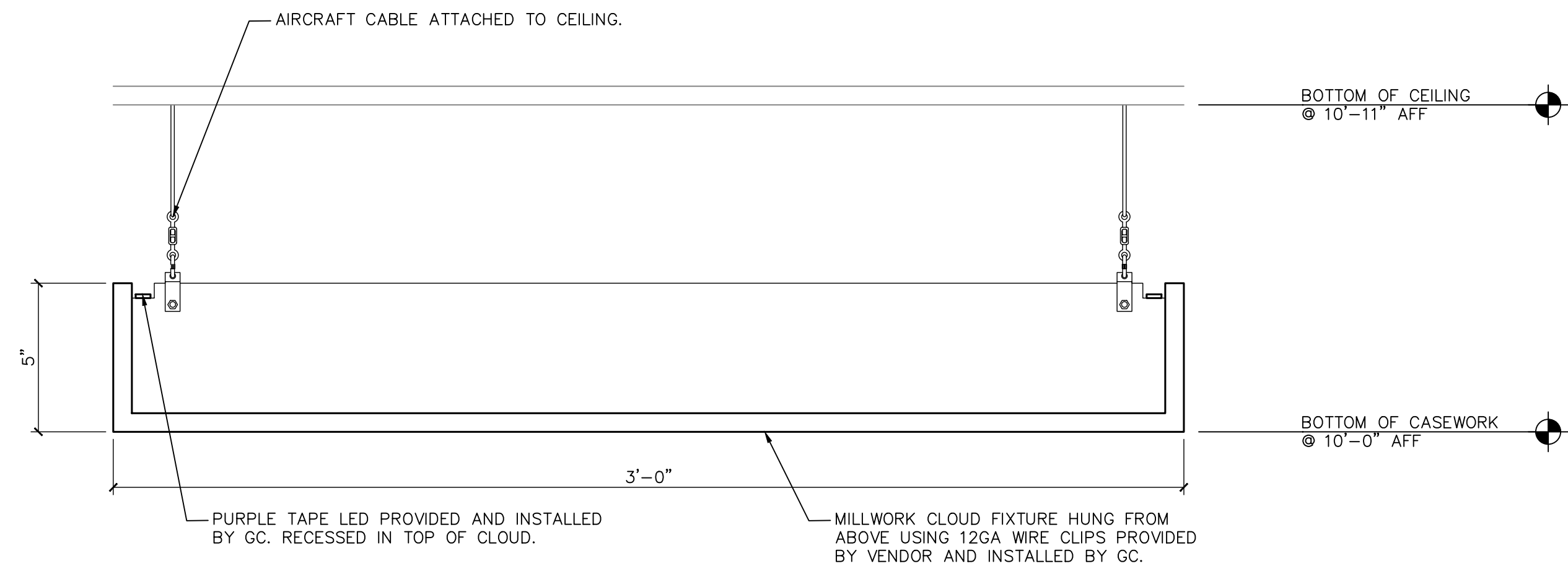


C SECTION

REVISIONS		
TAG	DATE	DESCRIPTION
1	9/15/21	PERMIT SET
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1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



2 LAY-IN CEILING - MILLWORK FIXTURE DETAIL
SCALE 3" = 1'-0"

KEYED NOTES

- 1 LOCATION OF STFT SIGNAGE. SEE SHEET A4 AND A4.1 FOR ADD'L INFO. SIGN TO BE ON A TIMER PER HOURS REQ BY THE LANDLORD.
- 2 MENU BOARD. SEE SHEET A5.
- 3 REMOVE EXG LIGHTS. PREPARE FOR CAN LIGHTS. CLAD CEILING ELEMENT WITH GYP BD AND PAINT [P1].
- 4 REUSE J BOXES FROM PREVIOUS LIGHTING FIXTURES.
- 5 FABRIC AWNING. SEE A4 FOR MORE INFORMATION.
- 6 EXPOSED DUCTWORK IN FOH AREA SHOULD BE PAINTED TO MATCH ADJACENT CEILING FINISH.

CEILING TYPE SCHEDULE

TAG	DESCRIPTION
CL1	EXG TIN CEILING TO REMAIN. BRING TO "LIKE-NEW" CONDITION.
CL2	5/8" TYPE 'X' GYP BD OVER 3 5/8" MTL STUD FRAMING.
CL3	EXG ACT CEILING TO REMAIN. PATCH/REPAIR AS NEEDED PRIOR TO FINISHING.
CL4	EXG GYP BD CEILING.
CL5	MILLWORK CLOUD FIXTURE HUNG FROM ABOVE USING 12GA WIRE. CLIPS PROVIDED BY VENDOR AND INSTALLED BY GC. SEE 2/A2.

CEILING GENERAL NOTES

1. ARCHITECTURAL DRAWINGS DETERMINE LUMINAIRE LOCATION AND OTHER ARCHITECTURAL ITEMS AND SUPERSEDE ALL OTHER CEILING APPURTENANCES, SUCH AS DIFFUSER LOCATIONS.
2. PROVIDE ADEQUATE CLEARANCES FOR DUCTS AND RELATED APPURTENANT ITEMS NECESSARY TO MAINTAIN THE SPECIFIED HEIGHTS FOR CLG SYSTEMS AND LIGHT FIXTURES.
3. PROVIDE CEILING ACCESS PANELS IN GYP BD CEILINGS AS REQ BY ENGINEERS AND FOR ANY EXG LANDLORD EQUIPMENT. PAINT TO MATCH ADJACENT CEILING FINISH.
4. PROVIDE HANGER AND SAFETY WIRE FOR LIGHT FIXTURES, SPEAKERS, AND AIR SUPPLY/RETURN DIFFUSERS (AS REQUIRED PER LOCAL CODE).
5. ALL PIPES/CONDUIT/DUCTWORK IS TO BE GANGED TOGETHER AND PARALLEL AND PERPENDICULAR TO DEMISING WALLS. ANGLED ITEMS ARE NOT ALLOWED.

LIGHT FIXTURE SCHEDULE

TAG	SYMBOL	DESCRIPTION/PART #	COLOR	MOUNT	EXG	RELO	NEW
(A)	—▼—	'CON-TECH' #CTL603-P TRACK HEAD	WHITE	TRACK MOUNTED	---	---	10
(B)	—▼—	'CON-TECH' #CTL603-P TRACK HEAD	BLACK	TRACK MOUNTED	---	---	14
C15	●	'NORA LIGHTING' #NRM2-611L1535FWW, #NHM2-615LE6	WHITE	RECESSED	---	---	2
C25	○	'NORA LIGHTING' #NRM2-611L253FWW, #NHM2-625LE5	WHITE BLACK	RECESSED	---	---	10 9
(EX)	■	EXG BOH LIGHTING	EXG	EXG	10	---	---
(X)	■	EXG EMERGENCY LIGHT	WHITE	EXG	1	---	---
(EX)	■	'NORA LIGHTING' #NEX-711-LED/R	WHITE	---	---	---	2

FIRE PROTECTION GENERAL NOTES

1. FIRE SPRINKLER DESIGN, IF REQ, SHALL BE CONDUCTED BY A STATE CERTIFIED DESIGNER. USE LANDLORD REQ VENDOR, IF APPLICABLE.
2. FIRE PROTECTION CONTRACTOR (SPRINKLER/ALARM) SHALL SUBMIT SHOP DRAWINGS TO LANDLORD AND ALL APPLICABLE CODE OFFICIALS AS REQ FOR APPROVAL/PERMITS.
3. SPRINKLER UPGRADES MAY BE REQUIRED FOR CLASS A PLASTICS, RACK STORAGE AND HIGH PILED STORAGE.
4. DESIGNER SHALL USE THE CEILING PLAN FOR LAYOUT TO COORDINATE SPRINKLER HEAD LOCATIONS AND ALTERATIONS TO AVOID CONFLICTS WITH EXG CONDITIONS AND MECH/ELEC SYSTEMS.
5. IT IS THE INTENTION THAT WHERE POSSIBLE, EXG HEADS AND HEAD TYPES ARE TO REMAIN REGARDLESS OF PREFERRED HEAD TYPE AS DESCRIBED HEREIN. COORDINATE WITH TENANT IF DISCREPANCIES EXIST.
6. IT IS THE INTENT THAT SPRINKLER MAIN AND BRANCH LINES WILL NOT BE RELOCATED, SPRINKLER HEADS WILL NEED TO BE (RE)LOCATED AS REQ BY CHANGES IN THE CEILING/STORE DESIGN FROM THE CURRENT LAYOUT PER NFPA STANDARDS.
7. WHERE NEW HEADS ARE REQ, PROVIDE CONCEALED/FULLY-RECESSED HEADS WITH WHITE COVERS AT ALL GYP BD AND ACT CEILING AREAS.
8. WHERE NEW HEADS ARE REQ, PROVIDE UPTURNED HEADS AND EXTENSIONS AS NECESSARY AT LOCATIONS WHERE SPRINKLER MAIN AND BRANCH LINES ARE BELOW THE CEILING AND AT OPEN-TO-DECK CONDITIONS.
9. ANY NEW WORK TO SPRINKLER HEADS OR OTHER NEW WORK PENETRATIONS OF THE SUSPENDED CEILING SHALL HAVE A 2" DIA OVERSIZE RING, SLEEVE, OR ADAPTOR THROUGH THE CEILING TILE FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

DATE: 8/3/21

JOB NO: 2121.04

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50B SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525

4/5/21
date



signature

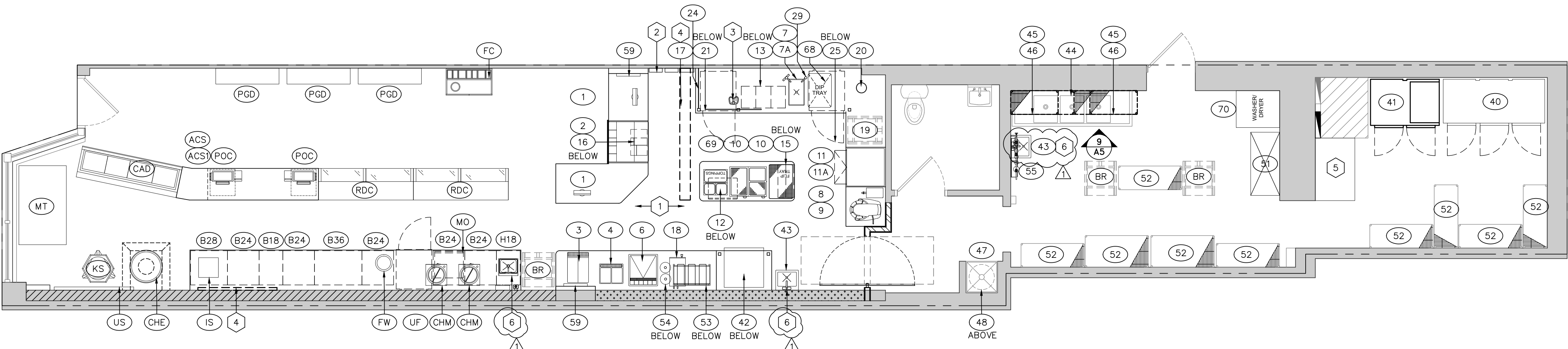
REVISIONS

TAG	DATE	DESCRIPTION
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REFLECTED CEILING
PLAN

SHEET NUMBER

A2



1
A3
EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"



AUNTIE ANNE'S EQUIPMENT SCHEDULE

TAG	QTY	ITEM	MANUFACTURER	MODEL #	FURNISH	INSTALL	COMMENTS
1	2	POS SYSTEM	REVEL	--	--	--	--
2	1	ROUNDUP WARMER	ROUNDUP	DCH-220 SQ	ES	GC	REQ OUTLET BELOW COUNTER
3	1	FROZEN LEMONADE DISPENSER	BUNN	ULTRA 2	ES	GC	REQ OUTLET ABOVE BACKSPLASH
4	1	LEMONADE DISPENSER	CRATHCO	D25-4	ES	GC	REQ OUTLET ABOVE BACKSPLASH
6	1	SODA DISPENSER	LANCER	ICD-2300	COKE	COKE	REQ OUTLET ABOVE BACKSPLASH. REQ FLOOR DRAIN.
7	1	DIP SINK, CORIAN	SPROVIERI	RS-1222 CUSTOM	T	GC	PLUMBER TO SUPPLY DRAIN
7A	1	DIP SINK FAUCET	COMPONENT HARDWARE	KL64-9002-RE1	ES	GC	--
8	1	HOT WATER DISPENSER	BUNN	H5X ELEMENT SST	ES	GC	REQ OUTLET ABOVE BACKSPLASH
9	1	BENCH MIXER	HOBART	HL200	ES	GC	REQ OUTLET ABOVE BACKSPLASH
10	2	FOOD WARMER	APW WYOTT	WU-3I	ES	GC	REQ OUTLET ABOVE BACKSPLASH
11	1	ELECTRIC OVEN - FULL SIZE	BAKERS PRIDE	P-44S	ES	GC	REQ OUTLET ABOVE BACKSPLASH
11A	1	ELECTRIC OVEN - HALF SIZE	BAKERS PRIDE	P-22S	ES	GC	REQ OUTLET ABOVE BACKSPLASH
12	1	MICROWAVE	MENUMASTER	MCS10TS	ES	GC	REQ OUTLET BELOW COUNTER
13	1	THREE BIN STORAGE	FARIBO	P434C/A-P	ES	T	--
15	1	TRAY WIPE	CUSTOM	--	ES	GC	--
16	1	BAG STORAGE	CUSTOM	--	ES	T	--
17	3	DIGITAL MENU BOARD	LG	43SE3KD	XENIAL	XENIAL	MENU BACKER PANEL BY GC
18	1	INFUSION BREWER, OPTIONAL	BUNN	ITCB-DV	COKE	COKE	--
19	1	SPEED RACK, UNDER COUNTER	CHOICE EQUIP	PR10-A-187H-PT-Z	ES	T	--
20	1	HOT DOG WARMER	SERVER	FS-4 #8100	ES	GC	--
21	1	UNDER COUNTER REFRIGERATOR	HOSHIZAKI	CRMR27-LP	ES	T	3" CASTERS, REQ OUTLET BELOW COUNTER
24	1	24"H SNEEZE GUARD WITH CLAMPS	WASSERSTROM	(3) 6039924 (1) 6039932	GC	GC	3/8" CLEAR TEMPERED
25	1	UNDER COUNTER FREEZER	HOSHIZAKI	CRMF27-LP	ES	T	3" CASTERS, REQ OUTLET BELOW COUNTER
29	1	HOT WATER DISPENSER	IN-SINK-ERATOR	C1300	ES	GC	INSTALLED AT DIP SINK
40	1	THREE-DOOR FRIDGE	TRAULSEN	G330010	ES	GC	--
41	1	TWO -DOOR FREEZER	TRAULSEN	G220010	ES	GC	--
42	1	ICE MACHINE, UNDER COUNTER	SCOTSMAN	CU3030	ES	GC	AIR COOLED, SELF CONTAINED
43	2	HAND SINK, WALL MOUNTED	ADVANCE TABCO	7-PS-60	ES	GC	--
44	EXG	THREE COMP SINK	EXG	EXG	EXG	EXG	EXG
45	2	DRIP RACK WALL SHELVES	METRO	12"x36", 12"x48"	ES	GC	--
46	3	DRIP RACK WALL SHELVES	METRO	18"x36", 18"x48"	ES	GC	--
47	EXG	MOP SINK	EXG	EXG	EXG	EXG	EXG
48	EXG	WATER HEATER	EXG	EXG	EXG	EXG	EXG
51	1	DUNNAGE RACK	METRO 22"x48"	BOW TIE SERIES	ES	GC	--

AUNTIE ANNE'S EQUIPMENT SCHEDULE CONTINUED

TAG	QTY	ITEM	MANUFACTURER	MODEL #	FURNISH	INSTALL	COMMENTS
52	EXG	18"x48" SHELVING	METRO	--	T	T	7 EXG
52	EXG	24"x48" SHELVING	METRO	--	T	T	2 EXG
52	--	24"x6"-0" SHELVING	METRO	--	T	T	REMOVED FOR DESK
53	1	SODA BAG-IN-A-BOX	BIB FLEX	IC CODE 44239	COKE	COKE	--
54	2	CO2 TANK	--	--	T	T	TENANT TO OBTAIN CO2 LOCALLY
55	1	WATER FILTRATION SYSTEM	VIZION	VZN-421H	ES	GC	--
59	2	GRABBER PANELS	MARKETING ELEMENT	6039060	T	GC	ADD TO WASSERSTROM ORDER
68	1	FLIP/DIP TRAY	VOLLRATH	9001	ES	T	--
69	1	TOPPINGS PANS	VOLLRATH	30222	ES	T	--
70	1	WASHER/DRYER	SEE OWNER	SEE OWNER	--	--	--

ROCKY MOUNTAIN CHOCOLATE FACTORY EQUIPMENT SCHEDULE

TAG	QTY	ITEM	MANUFACTURER	MODEL #	FURNISH	INSTALL	COMMENTS
ACS	1	APPLE CUTTING STATION	--	--	--	--	--
ACS1	1	APPLE CUTTING STATIONS 24" SNEEZE GUARD	--	--	--	--	--
BR	3	SPEED RACK, FULL SIZE	CHOICE EQUIP	PR10-A-1820	T	T	--
B18	1	BACK BAR CABINET 18" WIDE	--	--	--	--	--
B24	5	BACK BAR CABINET 24" WIDE	--	--	--	--	--
B28	1	BACK BAR CABINET 28" WIDE - SUGAR BIN AREA	--	--	--	--	--
B36	1	BACK BAR CABINET 36" WIDE	--	--	--	--	--
CAD	1	CARAMEL APPLE DISPLAY	--	--	--	--	5' STRAIGHT
CHE	1	CANDY MELTER	EXG	EXG	--	--	--
CHM	2	CHOCOLATE MELTER	CHOCOVISION	X3210	--	--	--
FC	1	FREESTANDING CABINET	--	--	GC	GC	TOP @ 34" MAX
FW	1	FOOD WARMER	VOLLRATH	72018	--	--	--
H18	1	HAND WASH SINK	JOHN BOOS OR EQ.	PB-SINK101410-P-SSLR-X	--	--	12.5"Wx18.75"Dx10"H
IS	1	INGREDIENTS SCALE	PENNSYLVANIA	6274-100	--	--	--
KS	1	KETTLE STAND - METAL	--	--	--	--	--
MO	1	MICROWAVE	AMANA	RCS10DSE	--	--	--
MT	1	3'X5' MARBLE TABLE	--	--	--	--	--
PGD	3	PACKAGE GIFTS DISPLAY SHELF	--	--	--	--	--
POC	2	POINT OF SALE SYSTEM	ISIS	FULL	--	--	--
RDC	2	REFRIGERATED DISPLAY CASE	COLD CORE INC.	AACCC-72-R-FG	--	--	--
UF	1	UNDERCOUNTER FREEZER	TRUE	TUC-27F-LP-HC	--	--	--
US	1	UTENSIL STRIP	--	--	--	--	--

KEYED NOTES

- 1 PROVIDE FRT WOOD BLOCKING FOR FIXTURE/ACCESSORY INSTALLATION INSIDE PARTITIONS. REFERENCE SHOP DRAWINGS FOR LOCATIONS.
- 2 PD TABLETS. COORDINATE LOCATION WITH ELECTRICAL/DATA.
- 3 PRETZEL IN-LAY. SEE COUNTER PLAN FOR ADD'L INFO.
- 4 OUTLINE OF MENU BOARD ABOVE.
- 5 LOCATION OF DESK. COORDINATE WITH TENANT.
- 6 SEAL ALL SINKS WITH CAULK FOR EASE OF CLEANING.

FIXTURE GENERAL NOTES

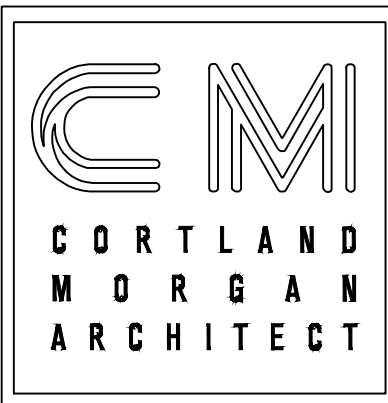
1. ALL MILLWORK ATTACHED TO THE PREMISES SHALL BE FIRE RETARDANT AND COMPLY WITH THE GOVERNING BUILDING CODE FIRE REQUIREMENTS.
2. ALL MILLWORK IS TO CONFORM TO A.W.I. PREMIUM STANDARDS.
3. MILLWORK CONTRACTOR TO FURNISH SHOP DRAWINGS TO TENANT FOR APPROVAL PRIOR TO FABRICATION.
4. MILLWORK CONTRACTOR TO COORDINATE WITH OTHER TRADES AND PROVIDE CONCEALED GROUNDS AS REQ. PROVIDE CUTOUTS IN FIELD FOR OUTLETS AND EQUIPMENT AS REQ. VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
5. ALL MILLWORK HARDWARE TO BE FURNISHED AND INSTALLED BY MILLWORK CONTRACTOR.
6. MILLWORK CONTRACTOR TO FURNISH AND INSTALL RUBBER BUMPERS ON ALL DOORS AND DRAWERS.

DATE: 8/2/21

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10-22-21
date



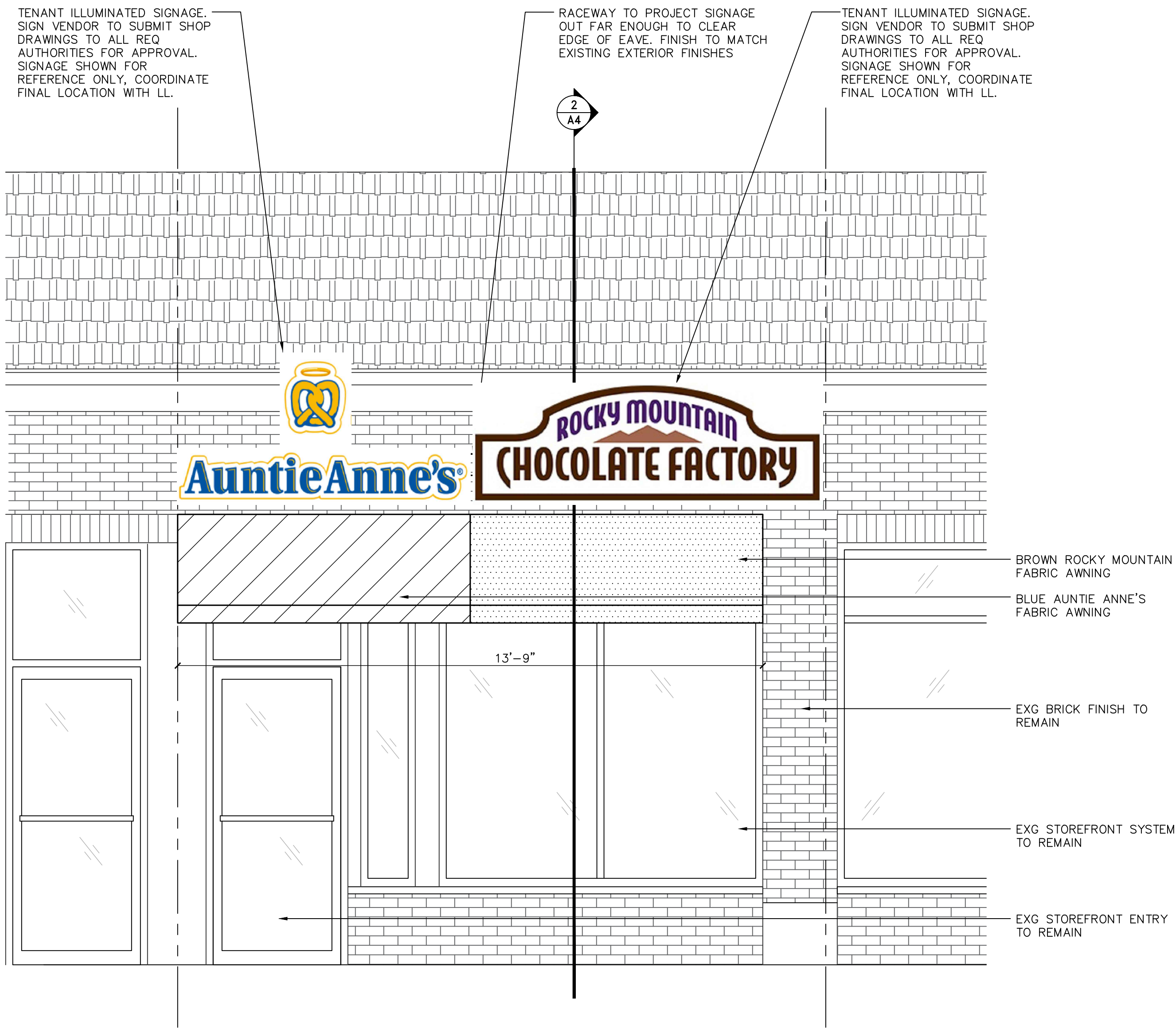
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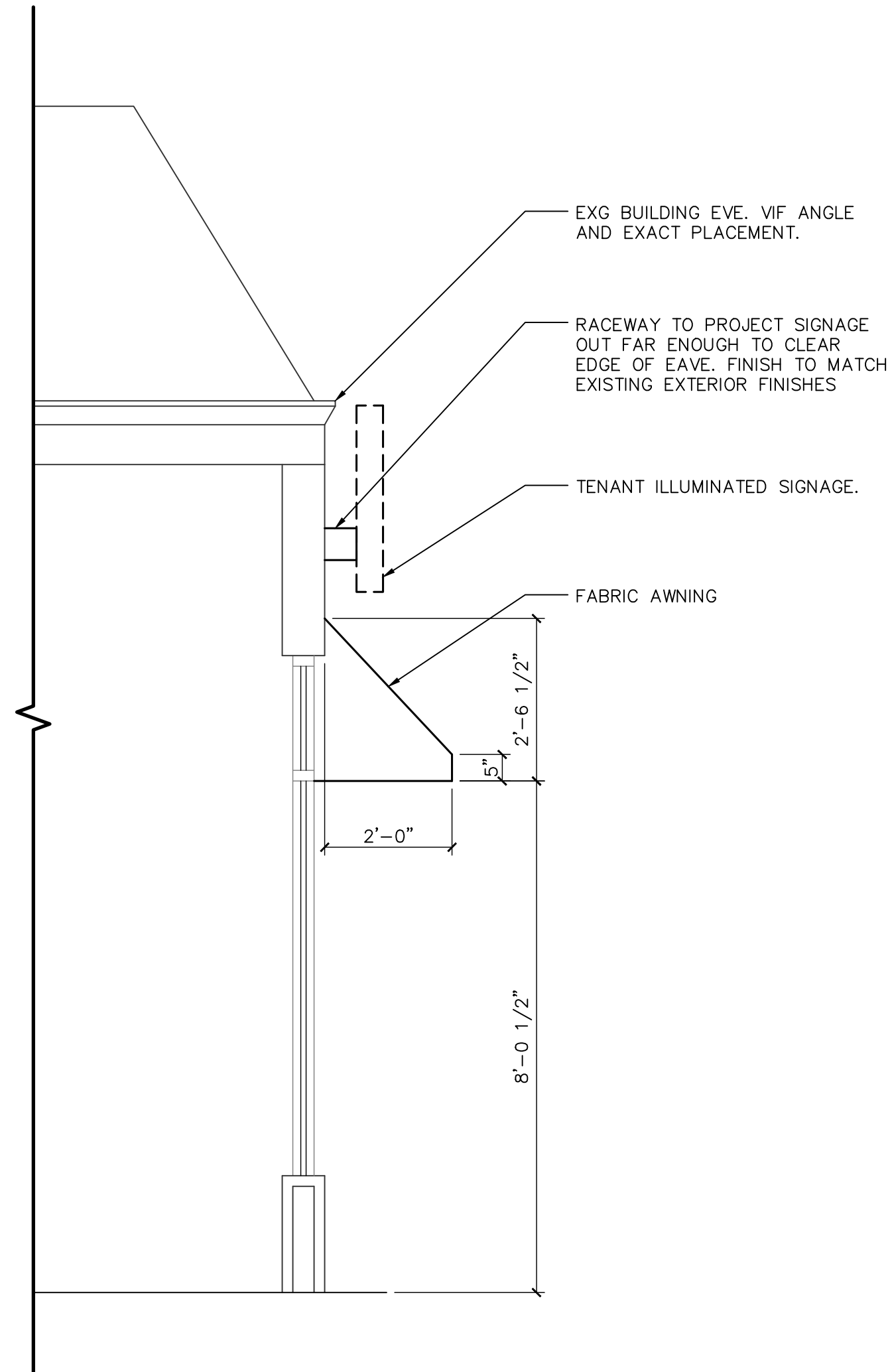
EQUIPMENT PLAN

SHEET NUMBER

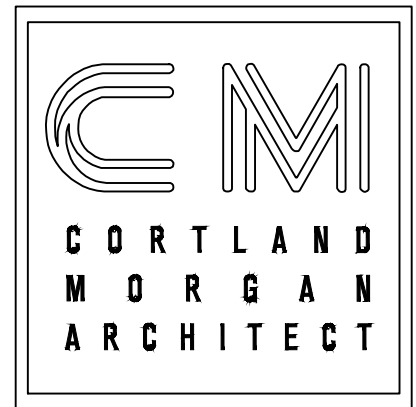
A3



1 FRONT STOREFRONT ELEVATION
A4 SCALE: 1/2" = 1'-0"



2 FRONT STOREFRONT SECTION
A4 SCALE: 1/2" = 1'-0"



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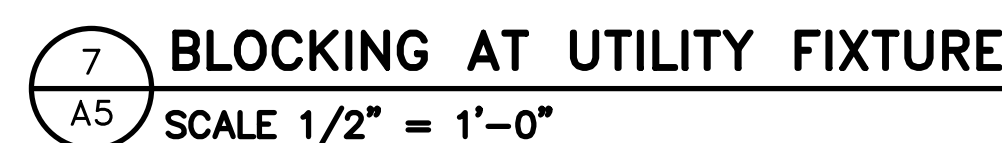
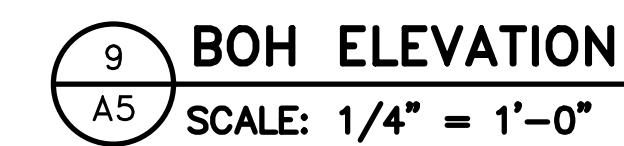
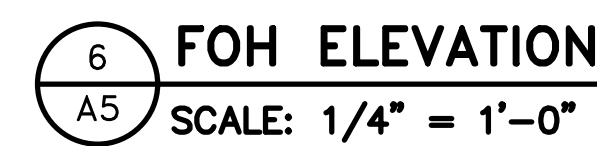
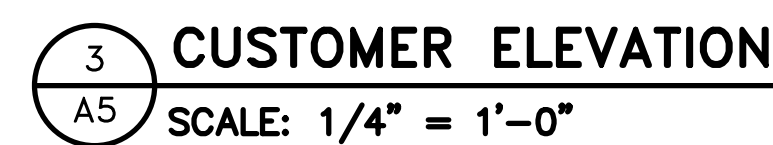
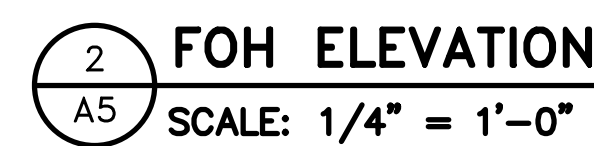
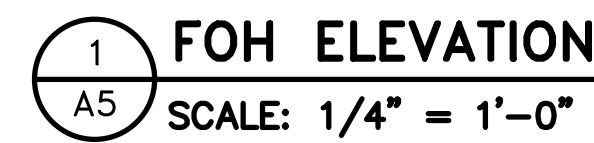


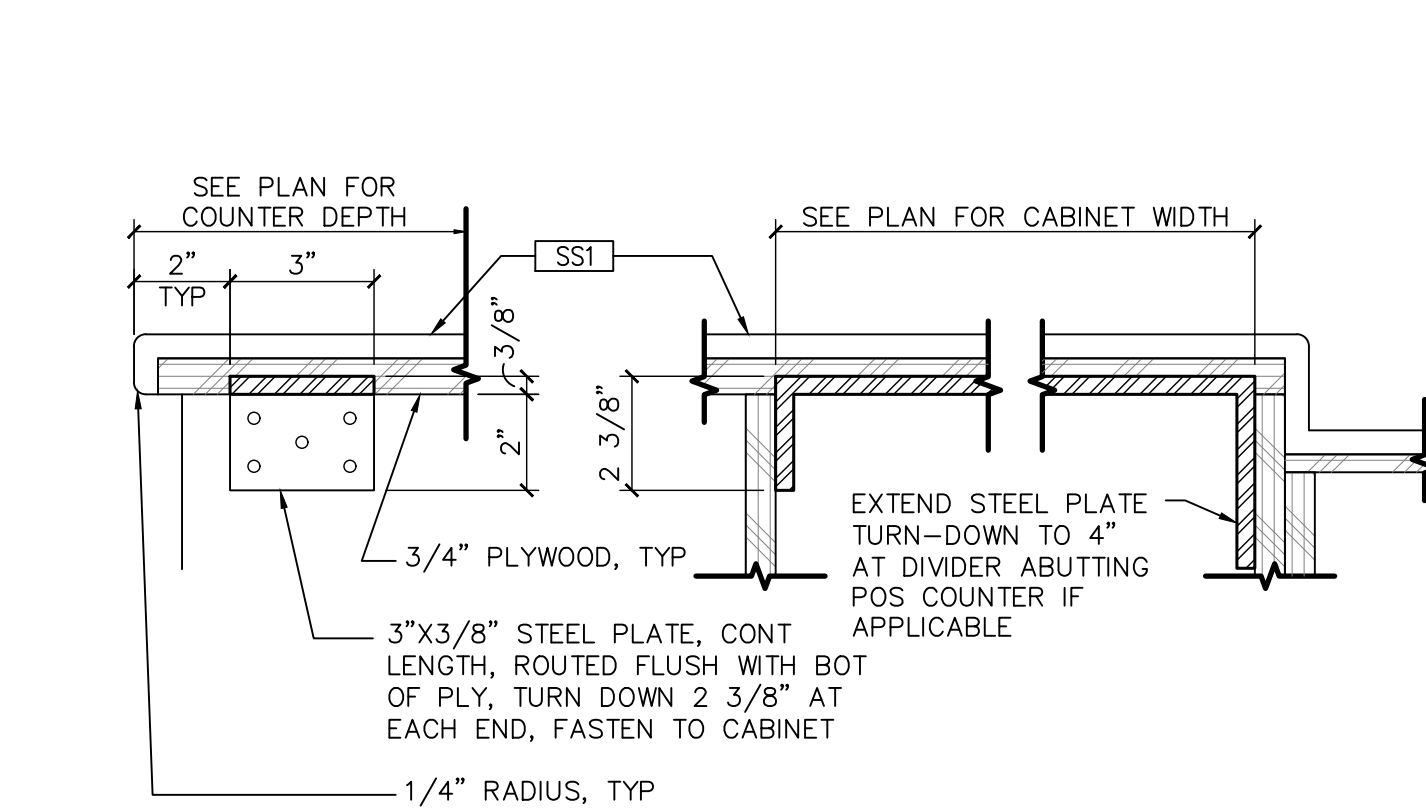
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STOREFRONT
SHEET

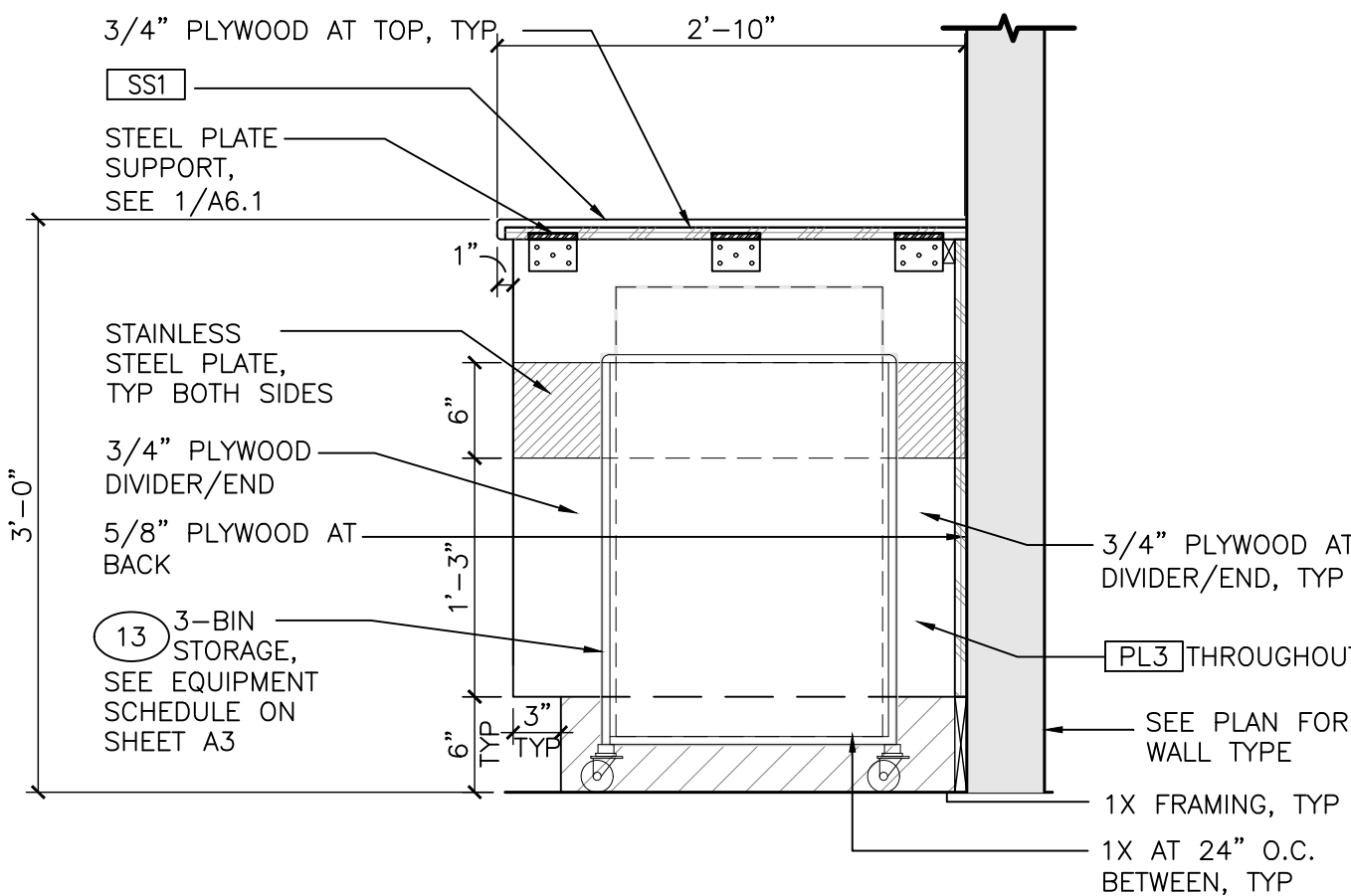
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A4

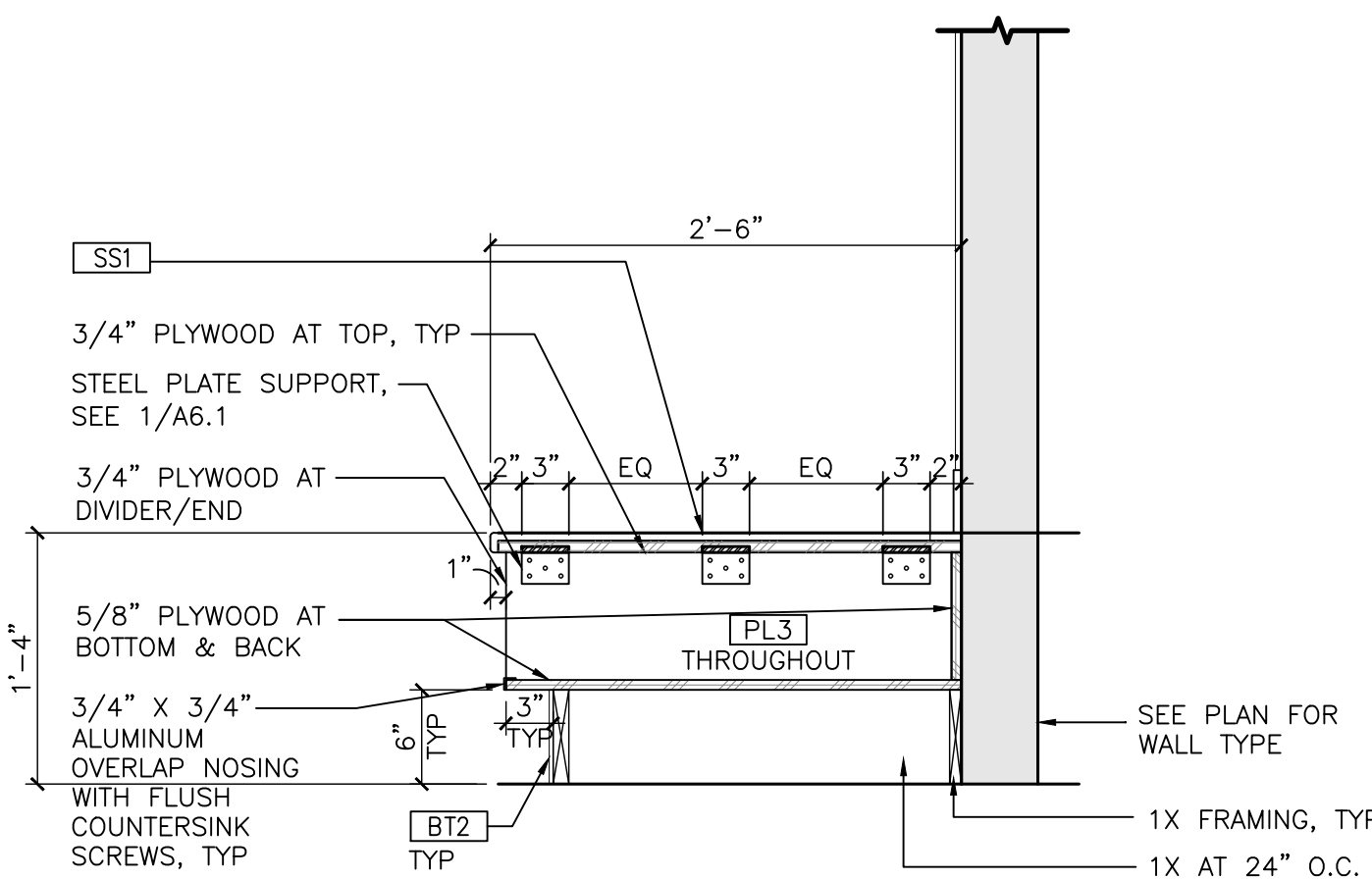




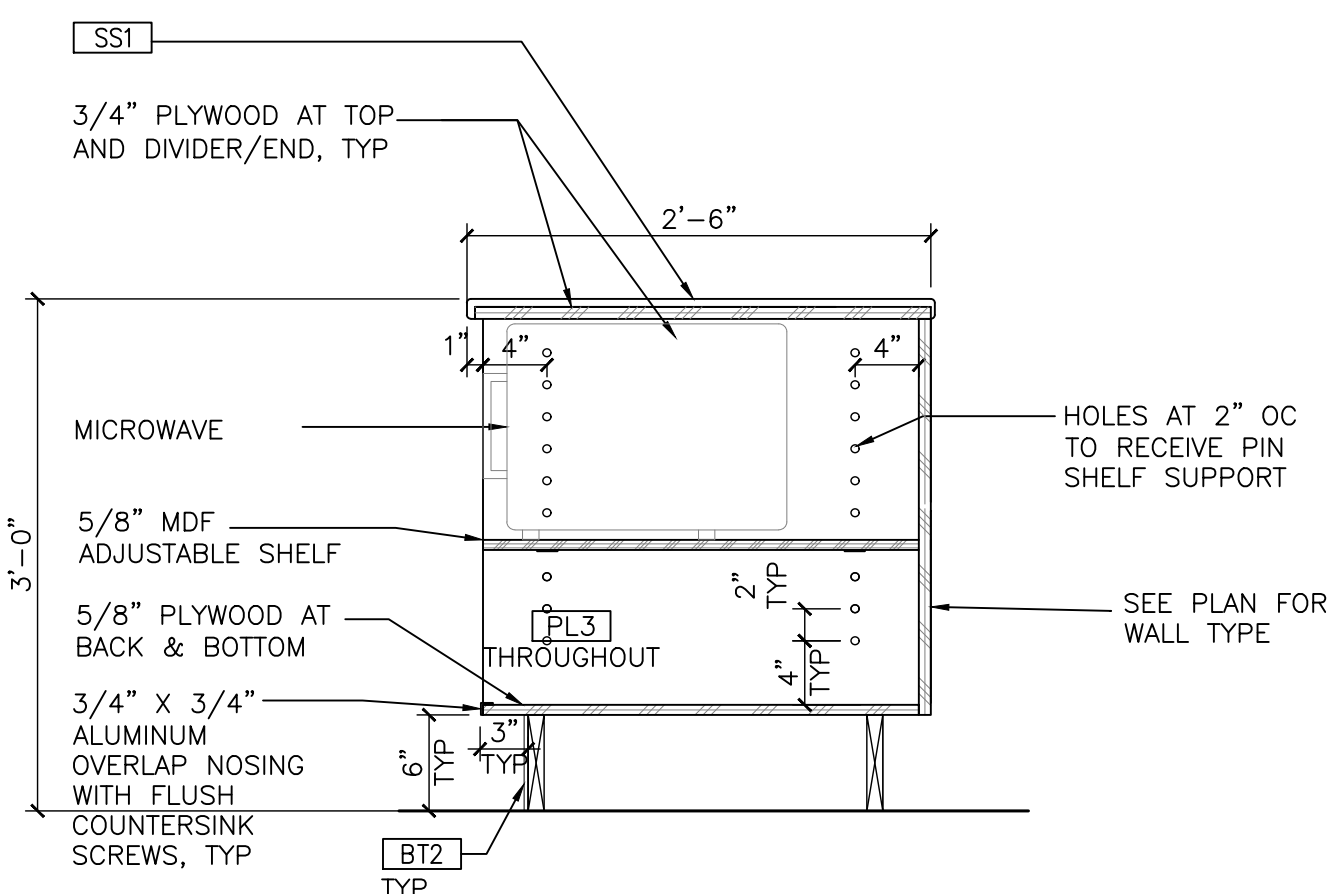
1 STEEL PLATE COUNTER SUPPORT DETAIL
A6.1 SCALE 3" = 1'-0"



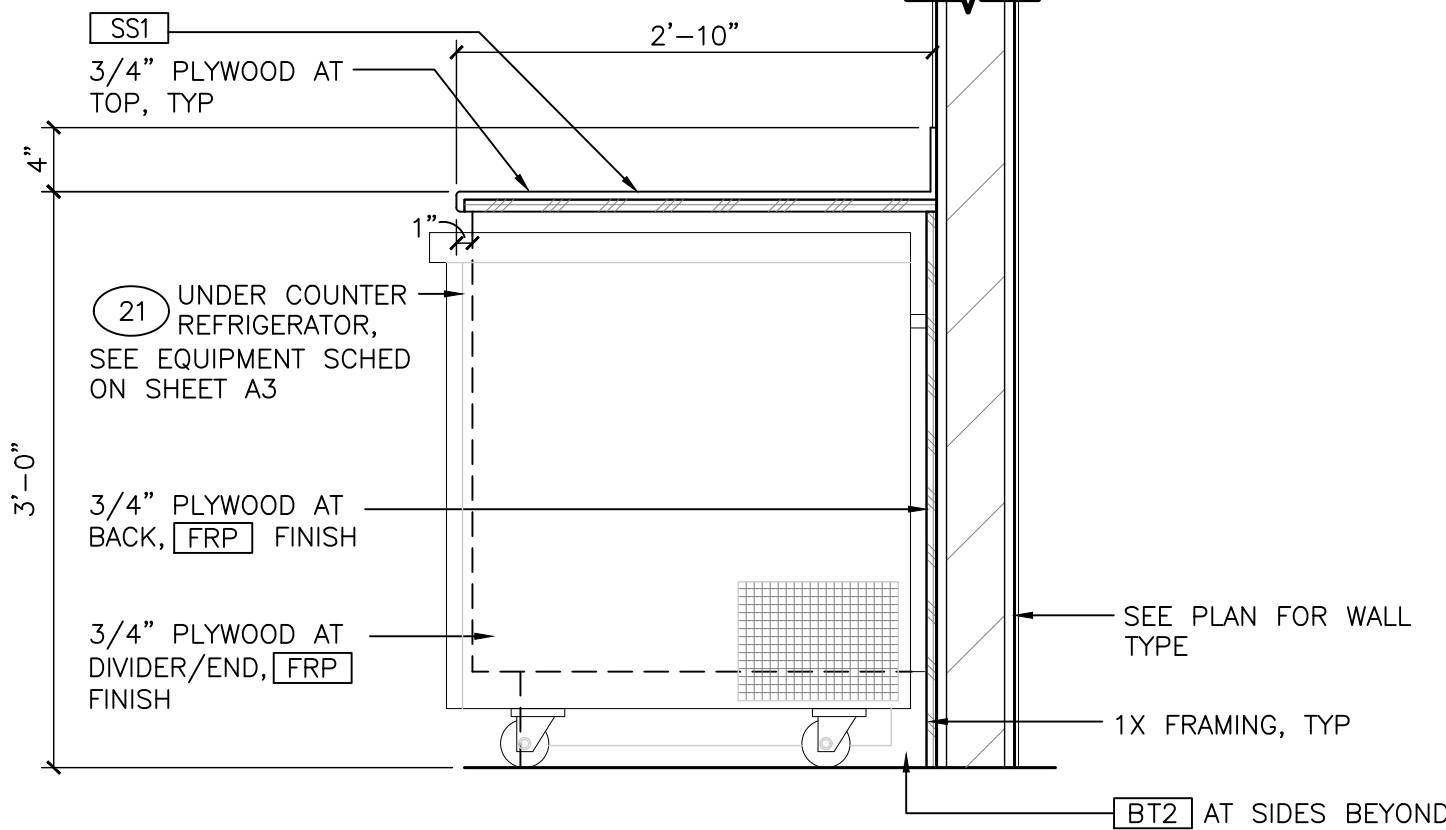
2 ROLL-IN STORAGE PRETZEL COUNTER DETAIL
A6.1 SCALE 1" = 1'-0"



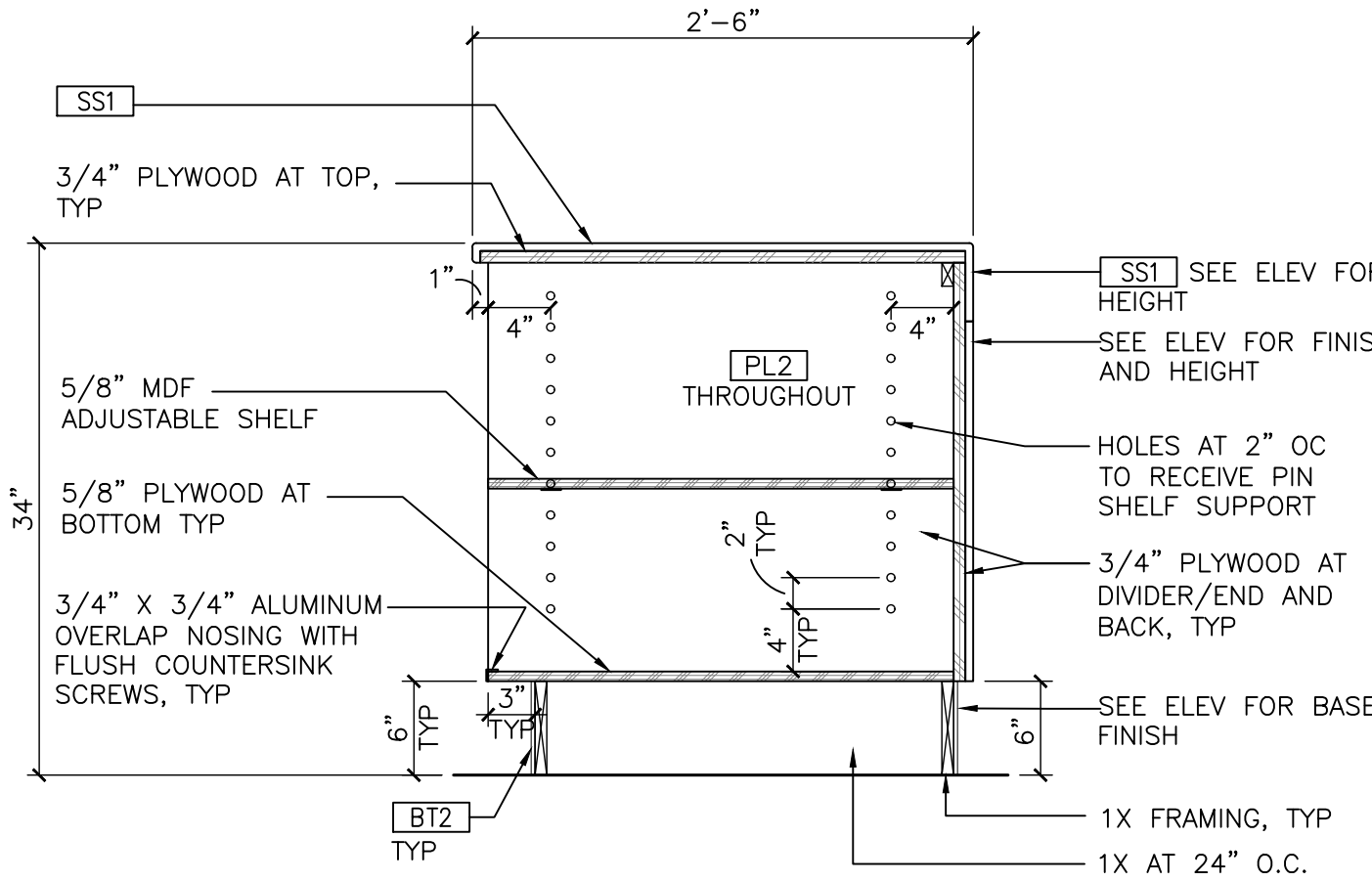
3 MIXER COUNTER DETAIL
A6.1 SCALE 1" = 1'-0"



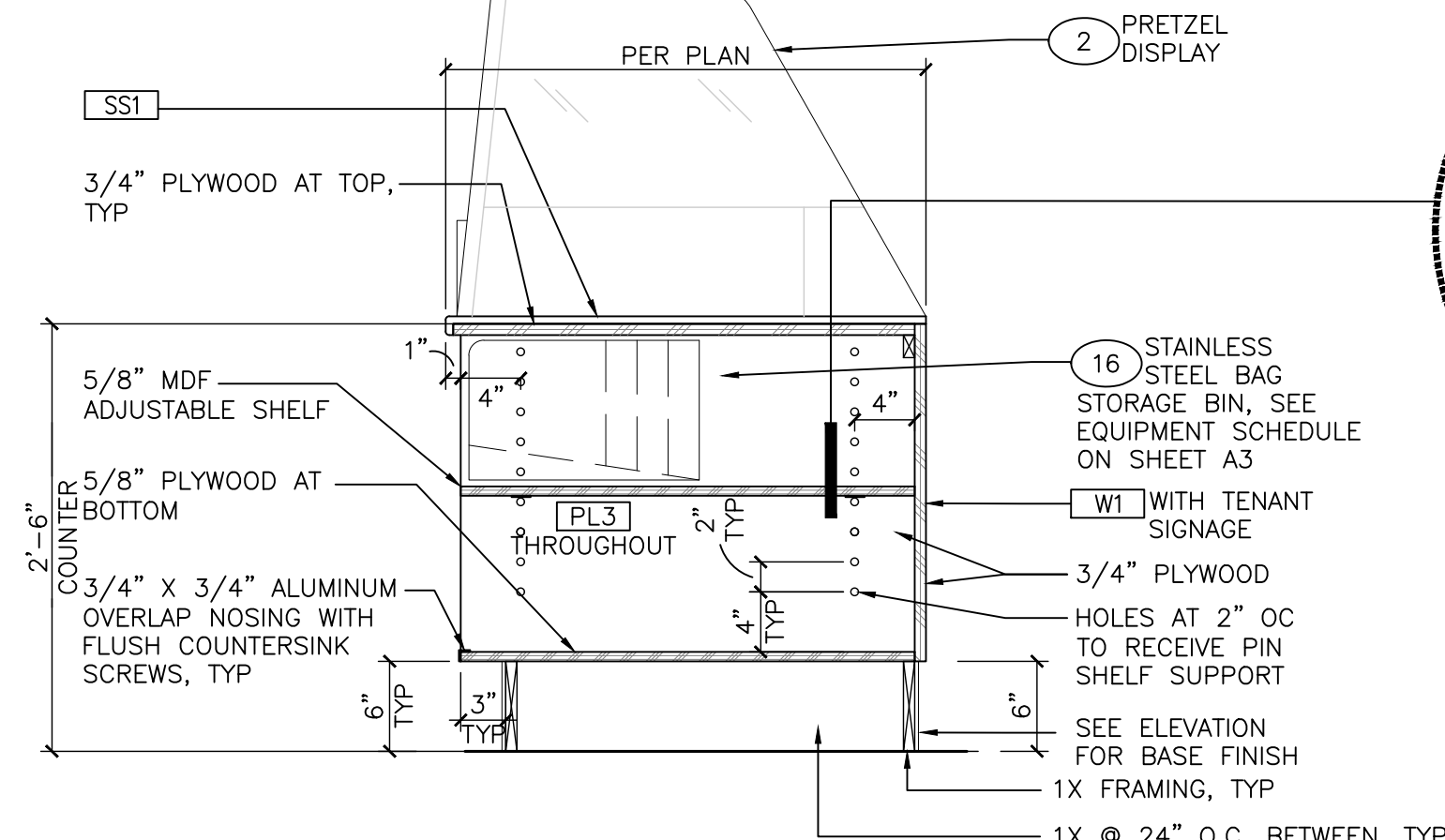
4 MICROWAVE COUNTER DETAIL AT ISLAND
A6.1 SCALE 1" = 1'-0"



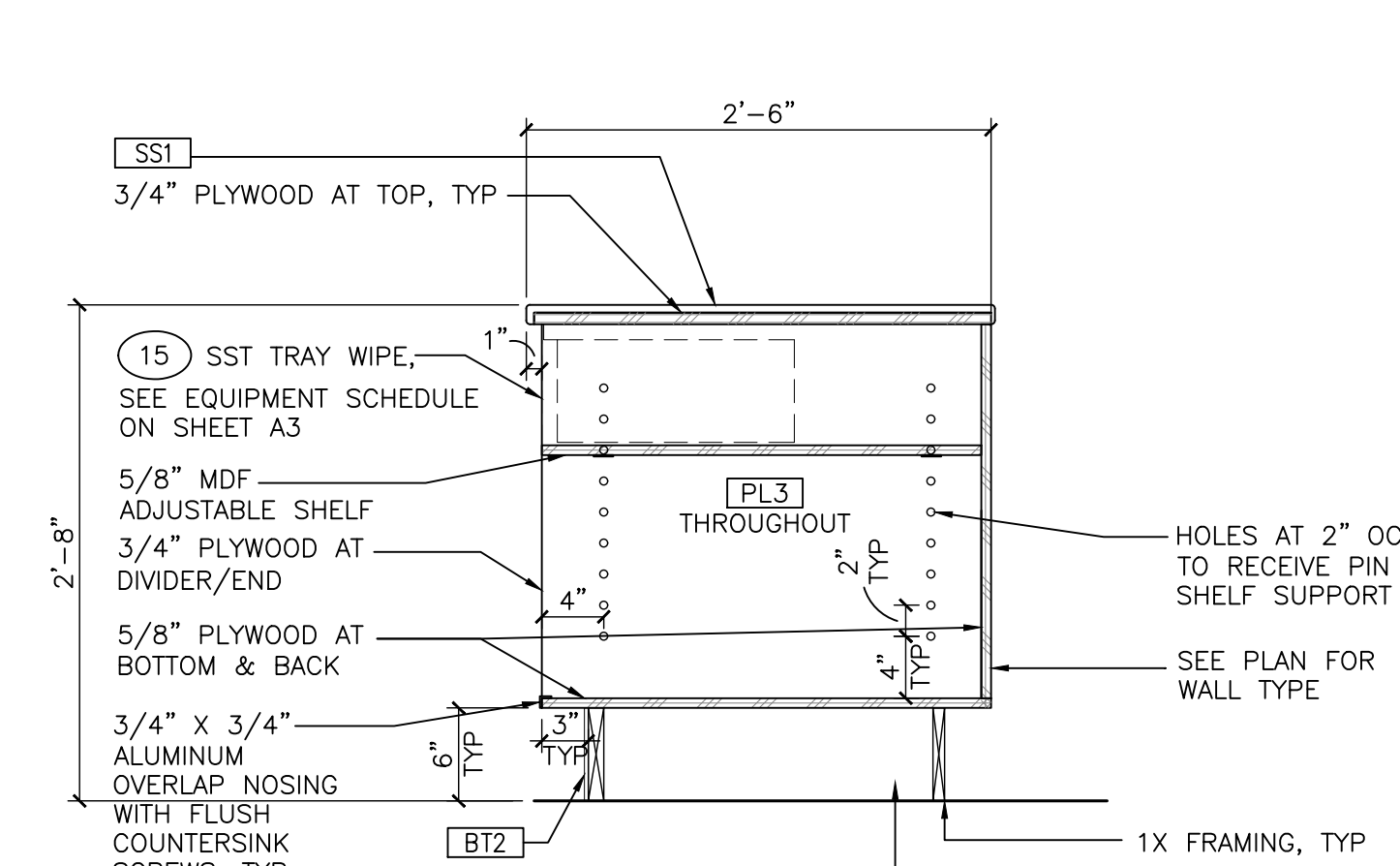
5 UNDER COUNTER FRIDGE COUNTER DETAIL
A6.1 SCALE 1" = 1'-0"



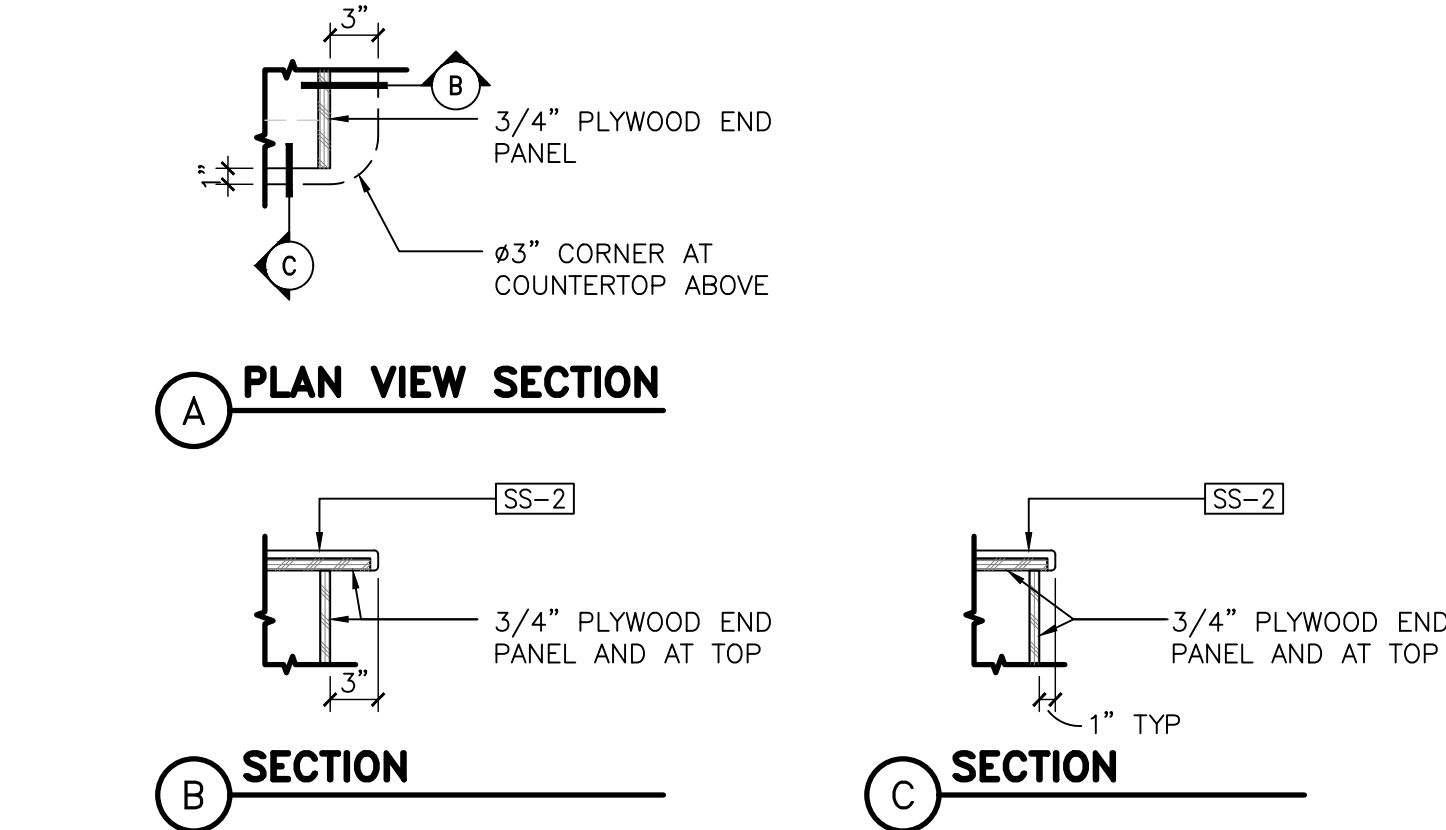
6 POS AREA COUNTER DETAIL
A6.1 SCALE 1" = 1'-0"



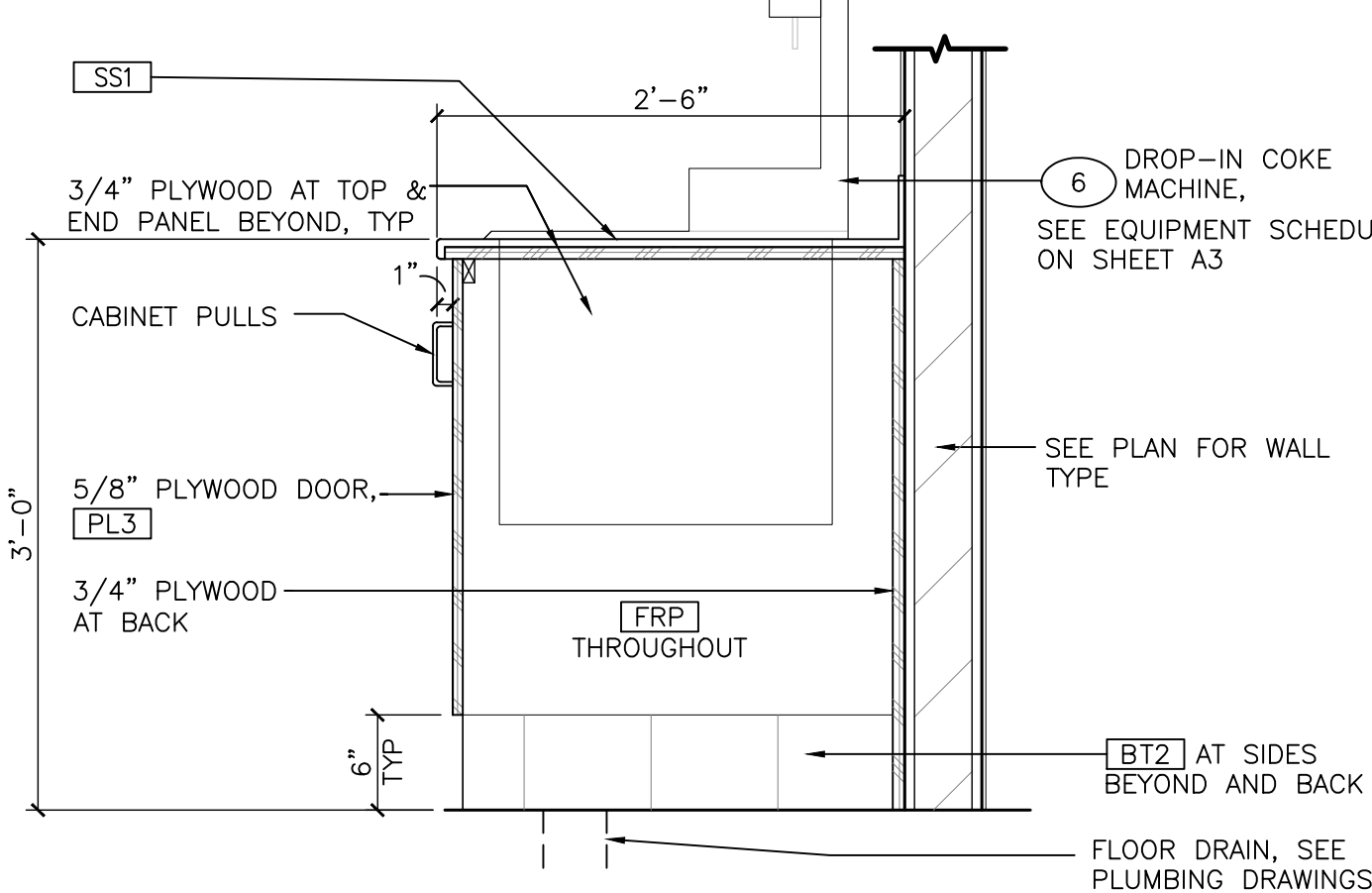
7 BAG STORAGE SERVING COUNTER DETAIL
A6.1 SCALE 1" = 1'-0"



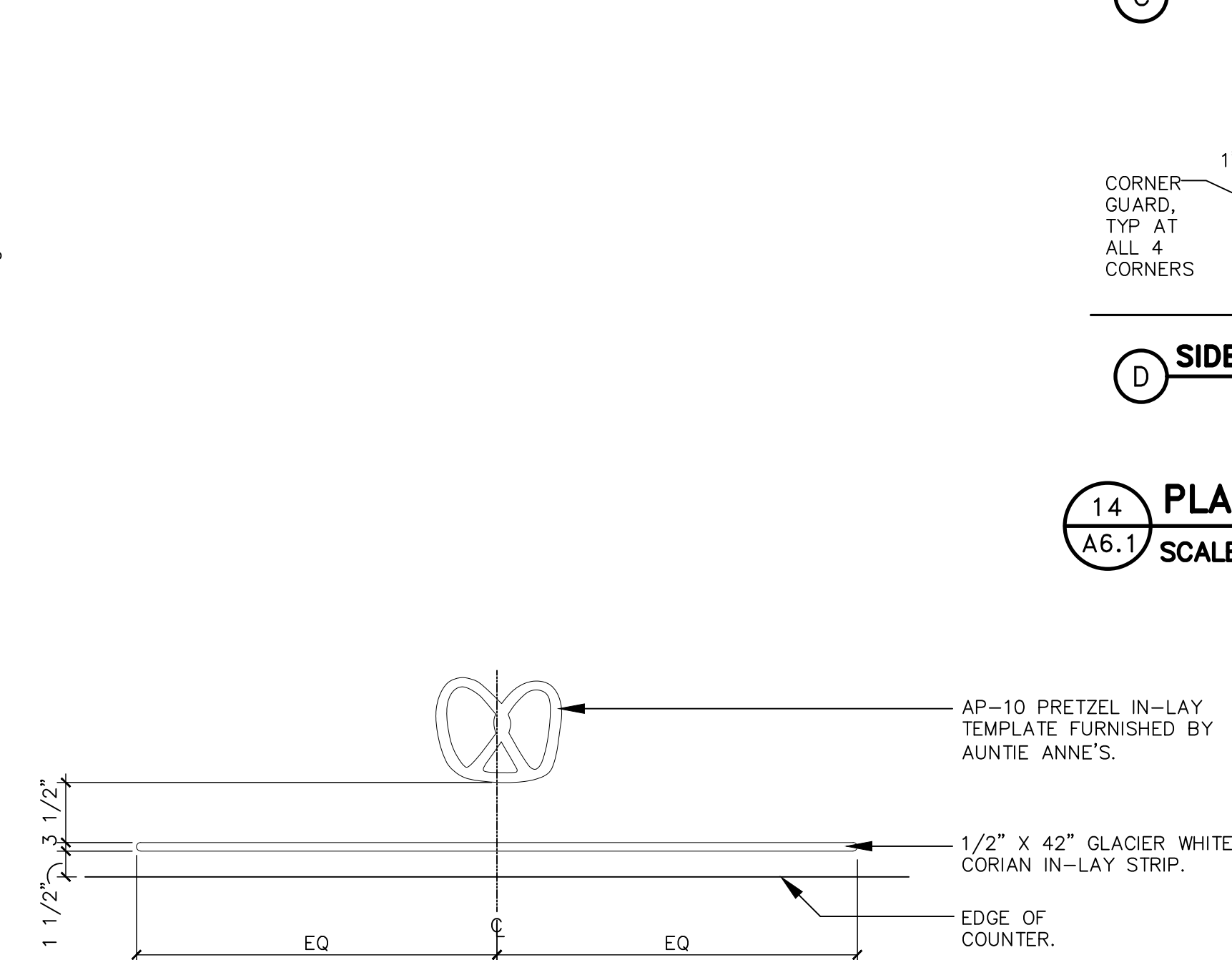
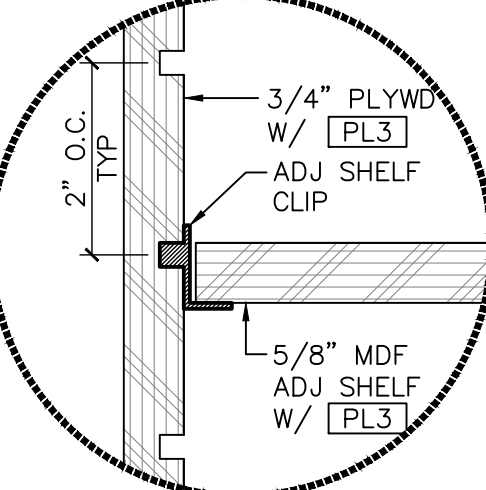
8 SST TRAY WIPE DETAIL
A6.1 SCALE 1" = 1'-0"



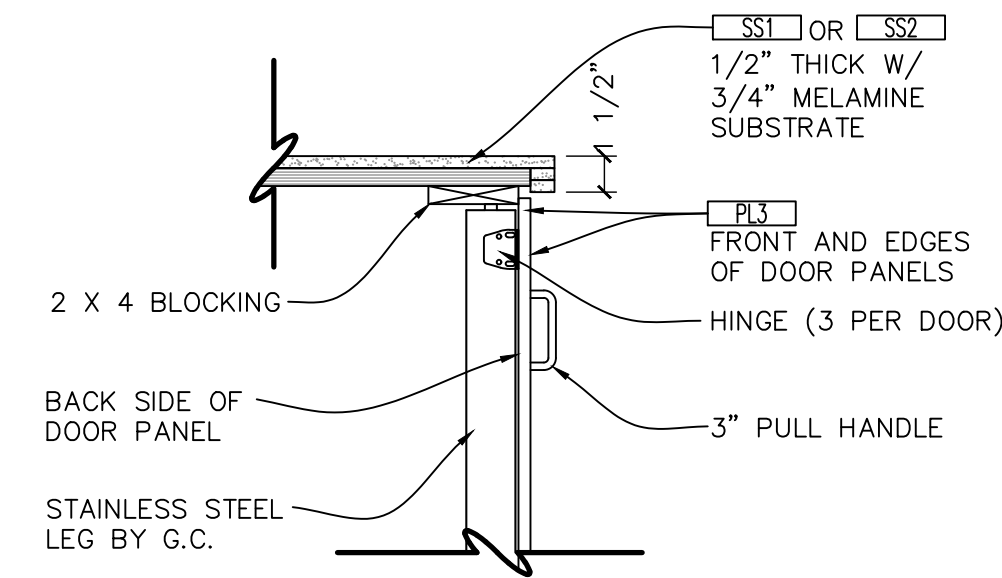
9 DETAIL AT COUNTER EDGE
A6.1 SCALE 1" = 1'-0"



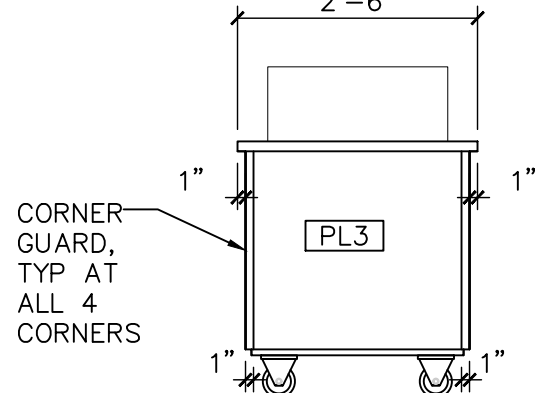
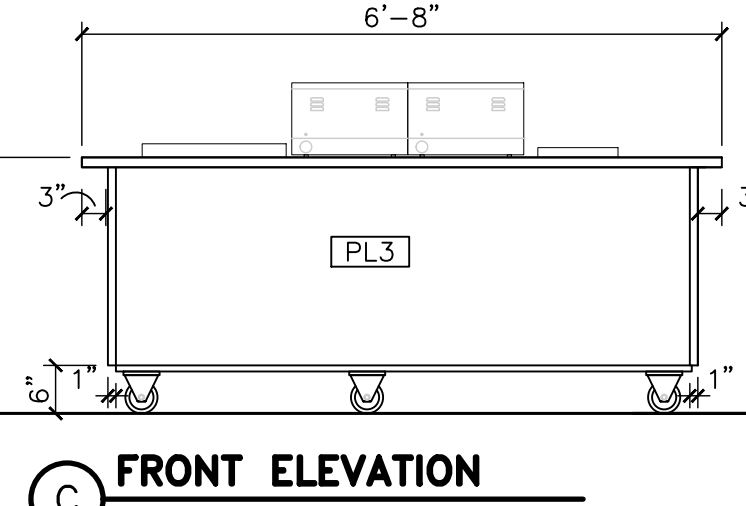
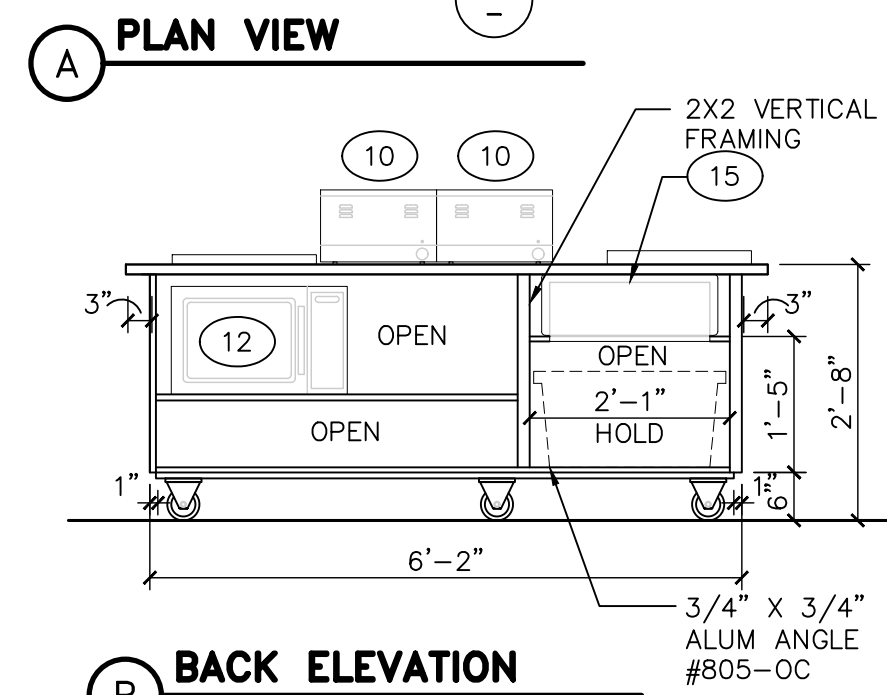
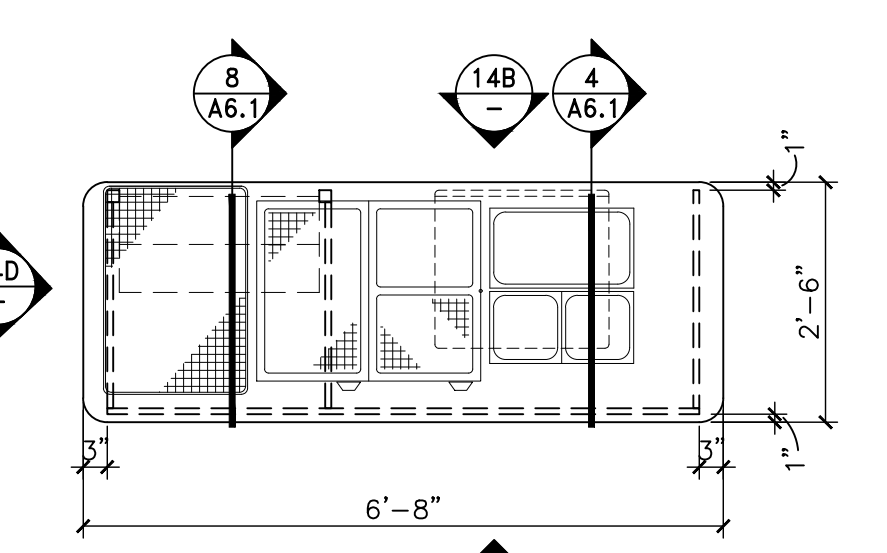
10 SODA TOWER COUNTER DETAIL
A6.1 SCALE 1" = 1'-0"



11 PRETZEL IN-LAY DETAIL
A6.1 NOT TO SCALE

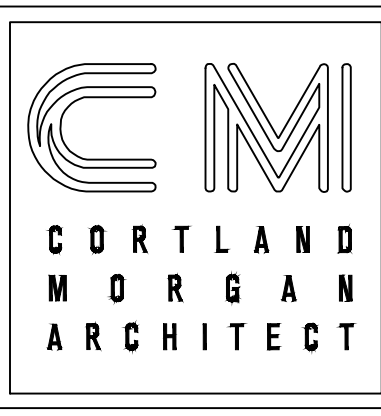


13 HINGED PANEL DETAIL
A6.1 SCALE 1 1/2" = 1'-0"



14 PLAN AND ELEVATIONS AT ISLAND
A6.1 SCALE 1/2" = 1'-0"

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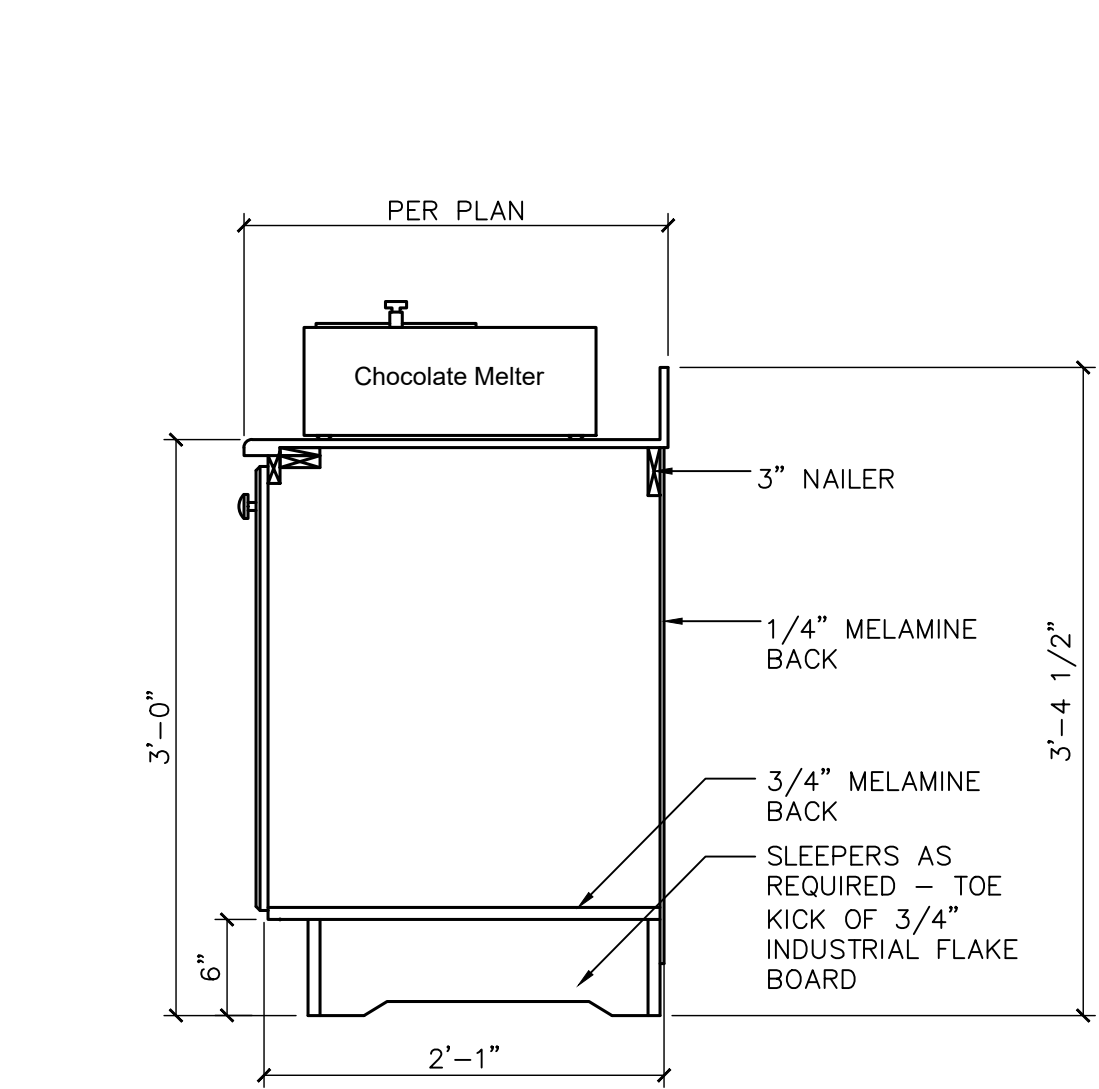
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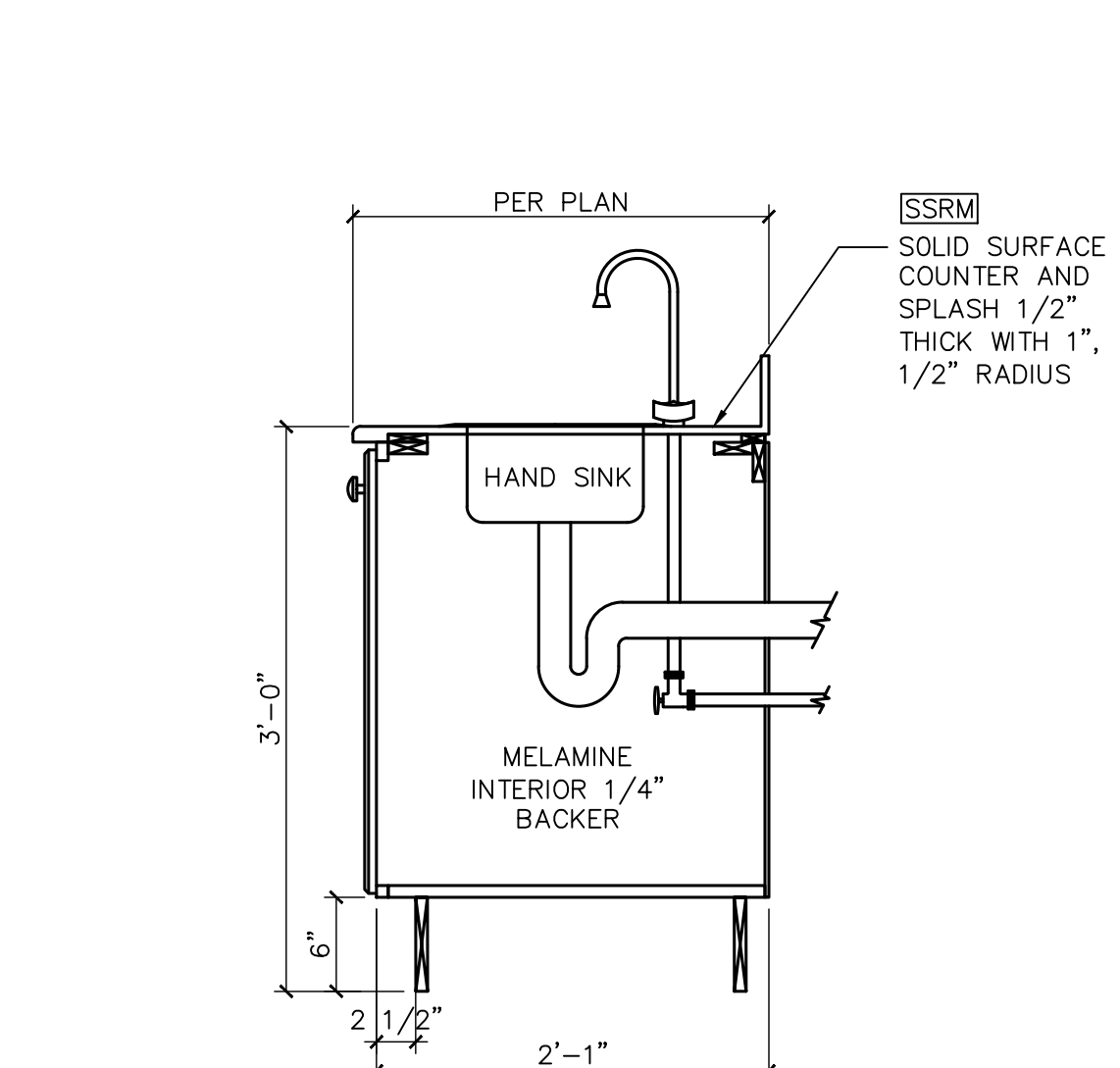
CASEWORK
DETAILS

SHEET NUMBER

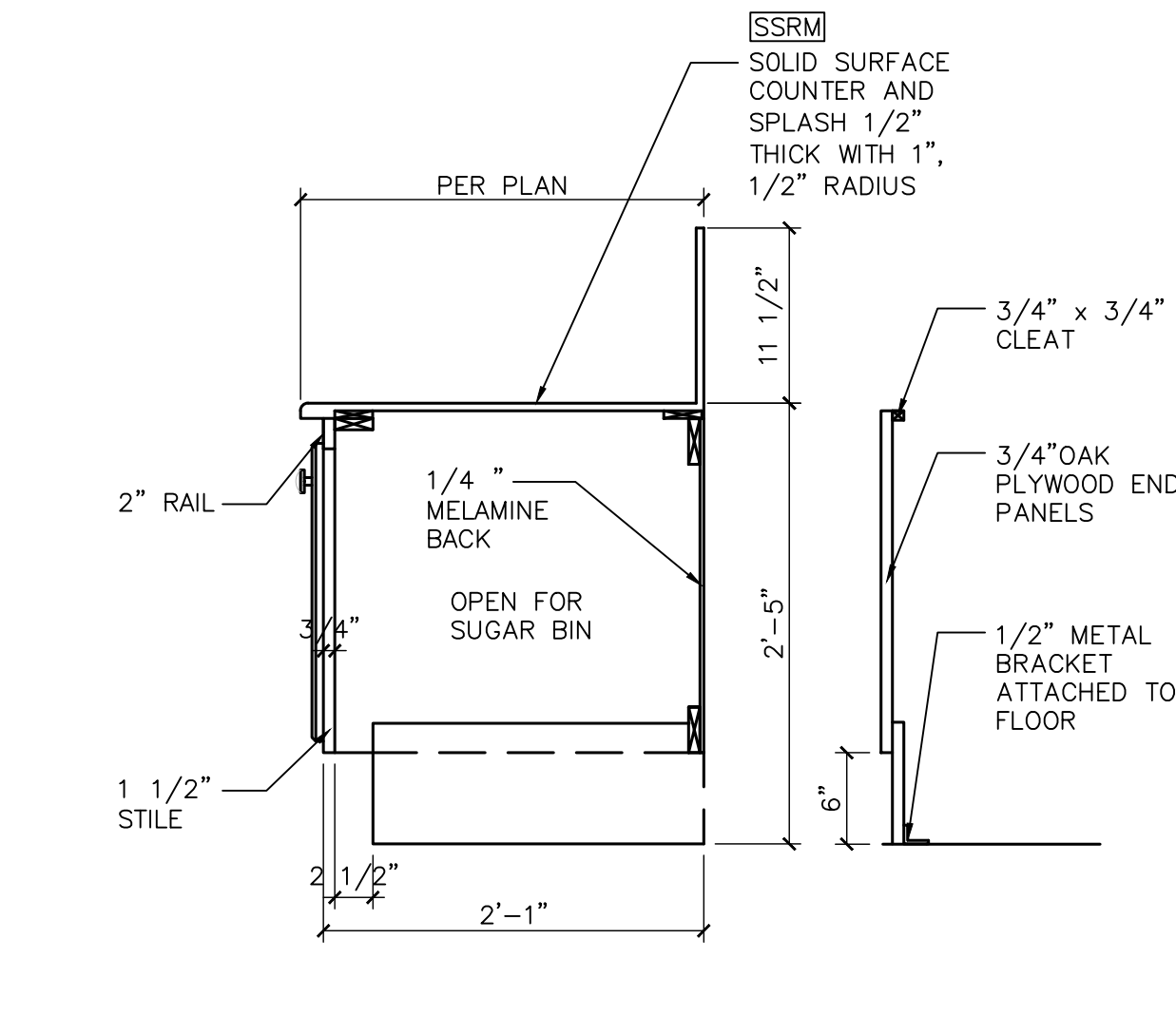
A6.1



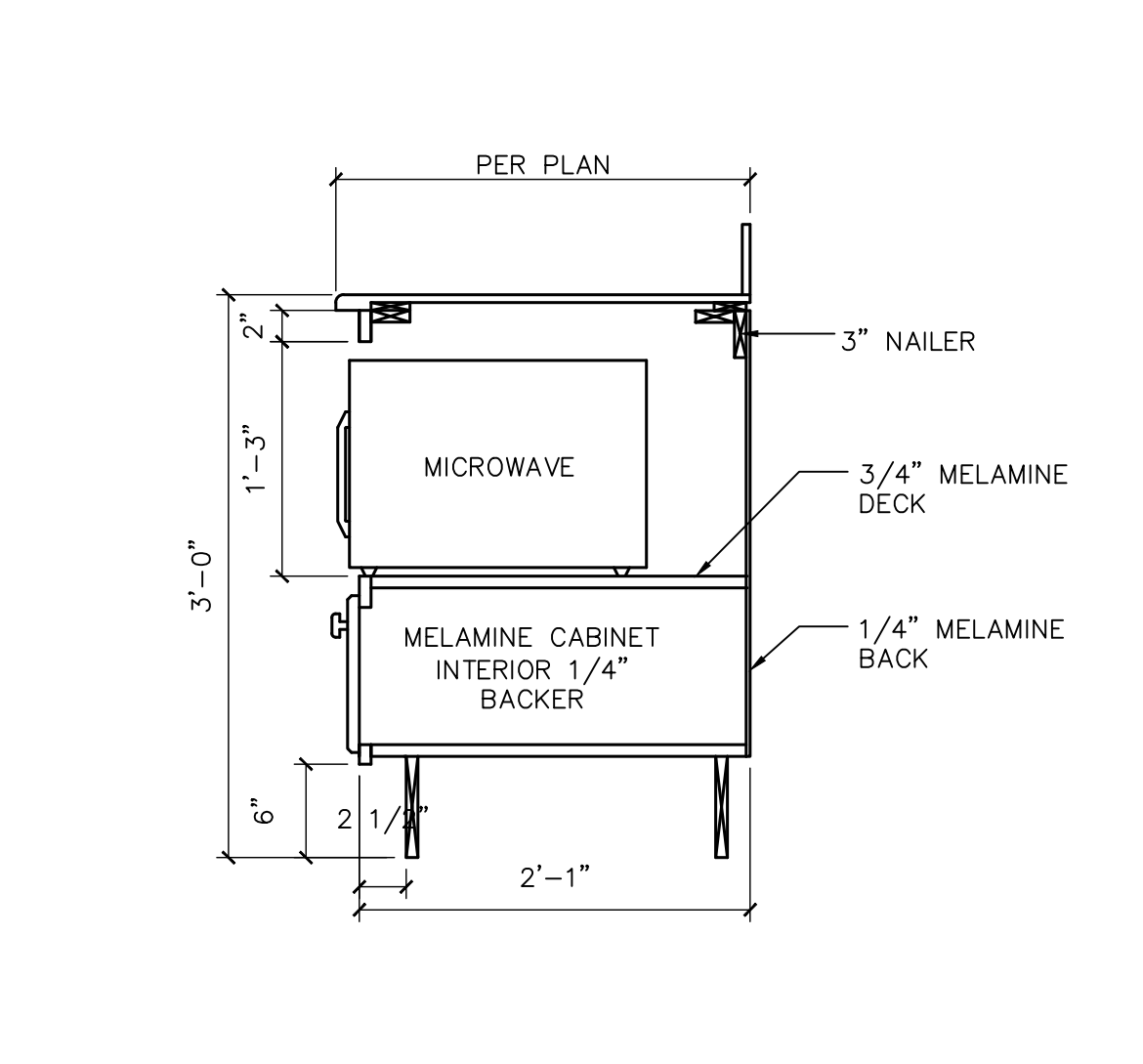
1 BACK BAR SECTION – TYPICAL
A6.2 SCALE 1" = 1'-0"



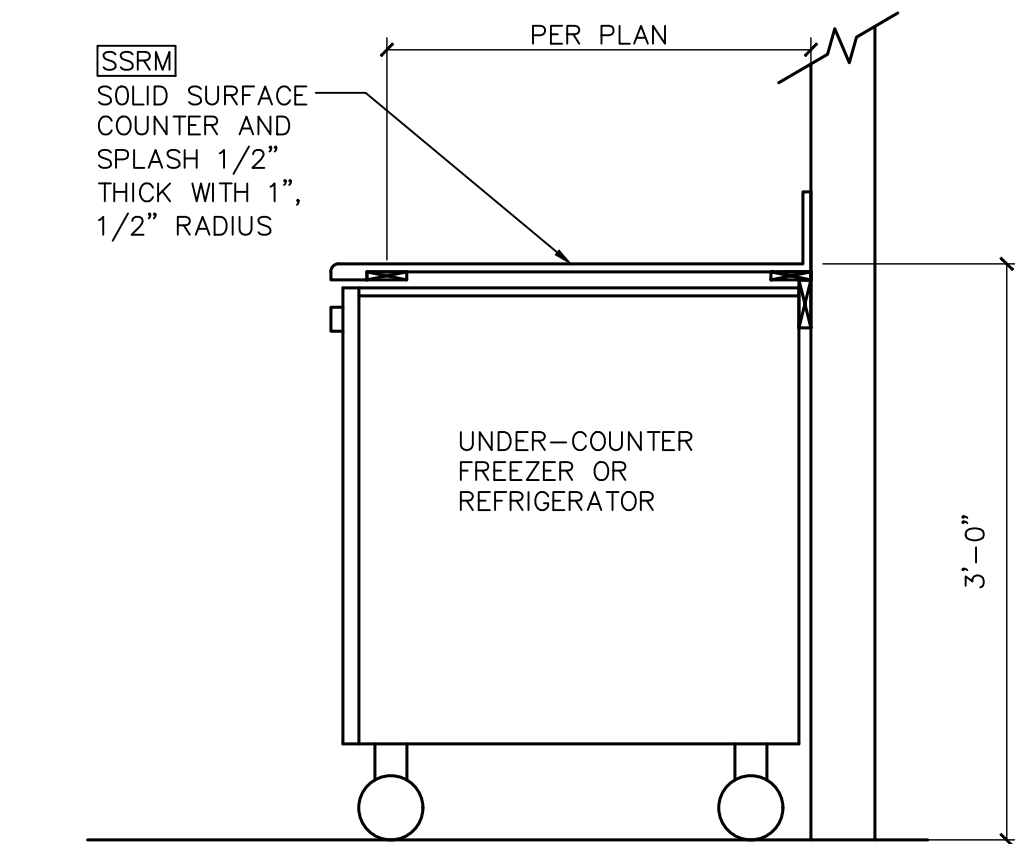
2 BACK BAR SECTION AT HAND SINK
A6.2 SCALE 1" = 1'-0"



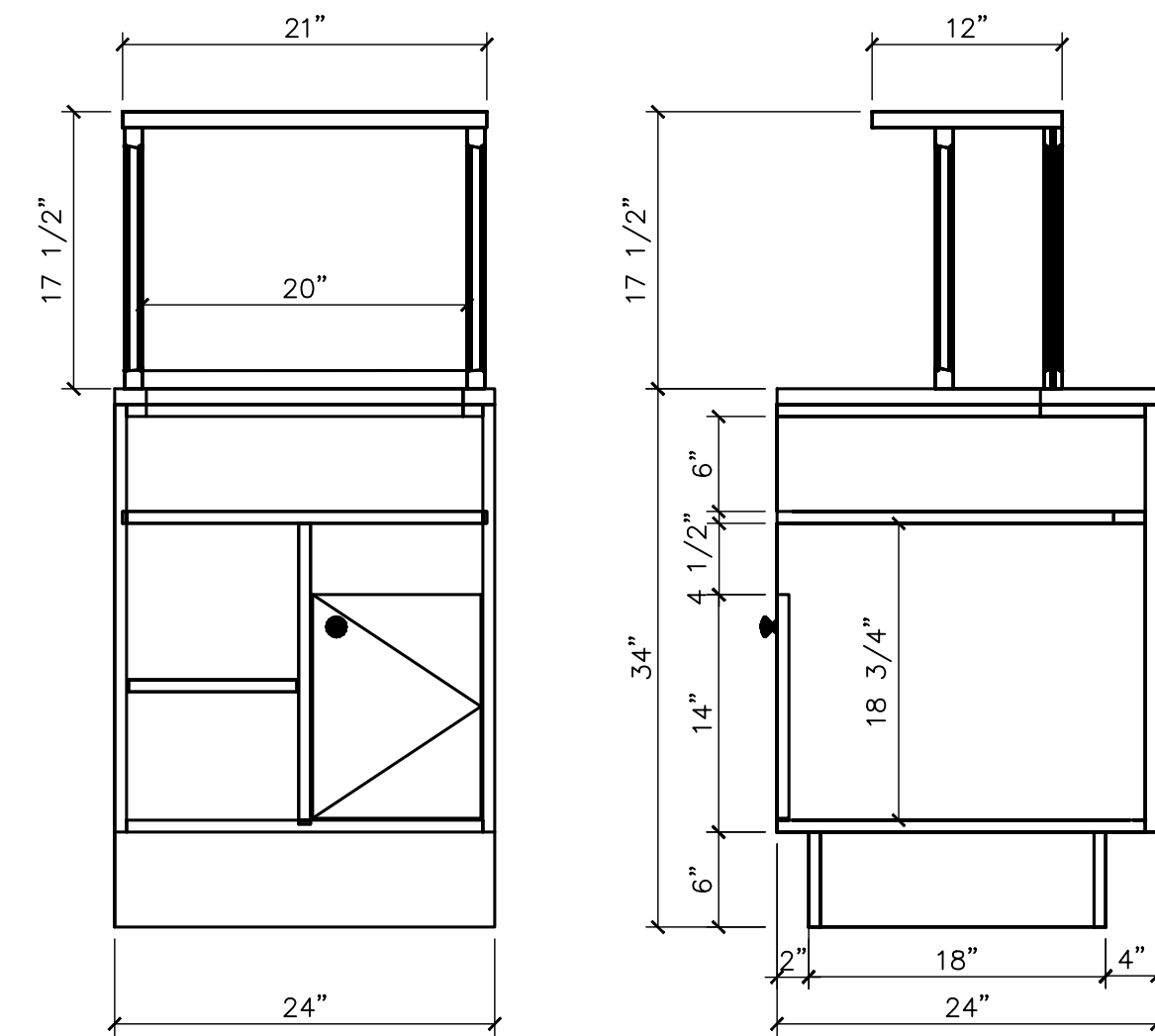
3 BACK BAR SECTION AT SUGAR BIN
A6.2 SCALE 1" = 1'-0"



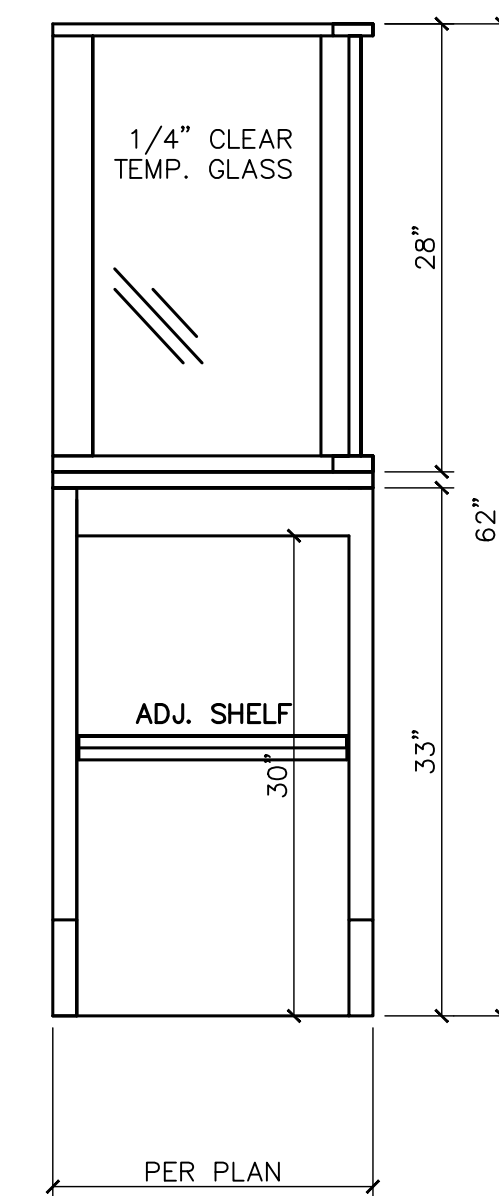
4 BACK BAR SECTION AT MICROWAVE
A6.2 SCALE 1" = 1'-0"



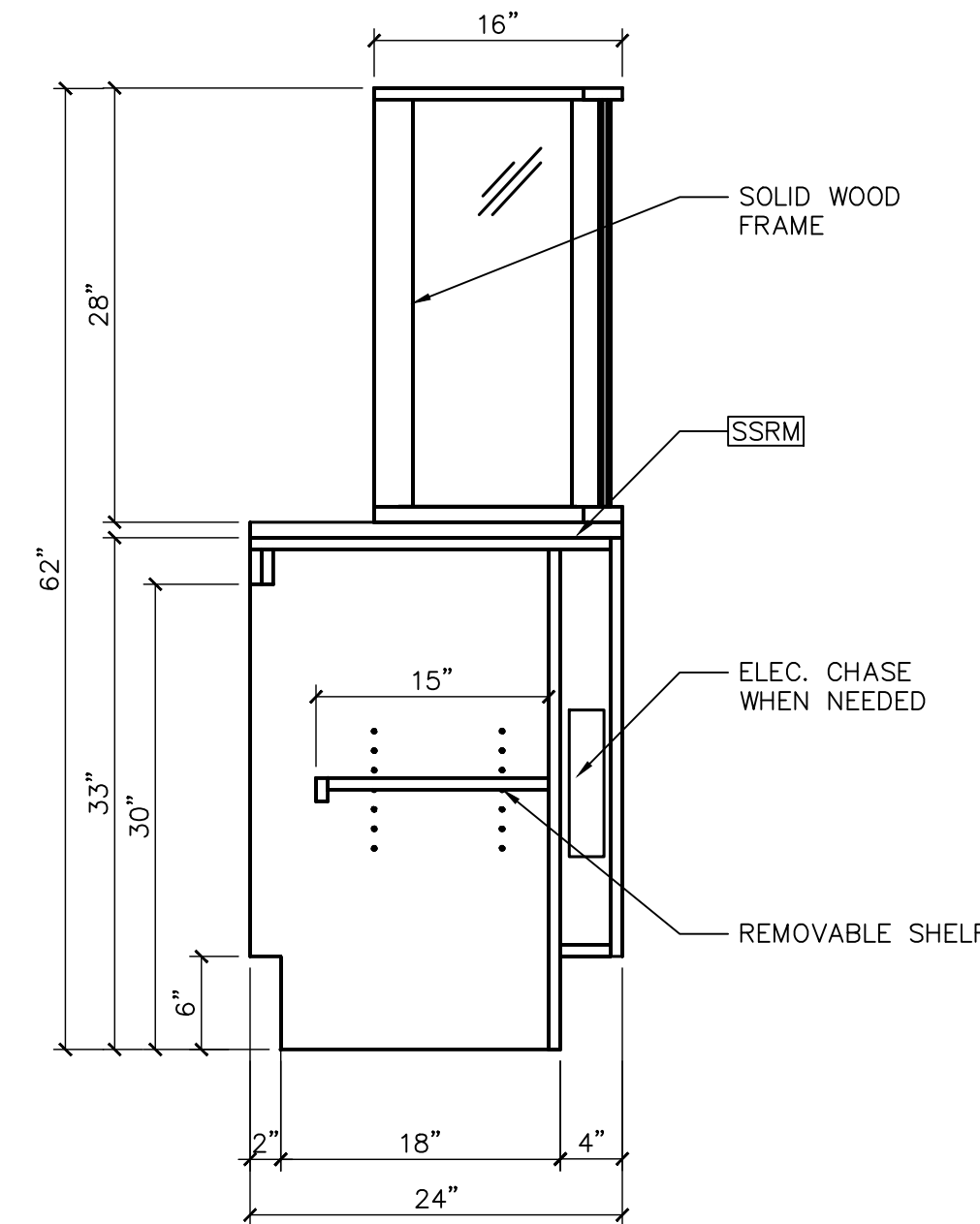
5 BACK BAR SECTION – UNDERCOUNTER UNIT
A6.2 SCALE 1" = 1'-0"



6 POS ELEVATION AND SECTION
A6.2 SCALE 1" = 1'-0"



7 APPLE STATION ELEVATION AND SECTION
A6.2 SCALE 1" = 1'-0"



SSRM – 'WILSONART' #9200CS "MYSTIQUE"
COUNTERTOP AND SPLASH

PL4 – 'WILSONART' #7942K-07 "COCOBALA"
CABINETS

PL5 – 'WILSONART' #6284 "COPPER"
CABINETS INTERIOR TRIM

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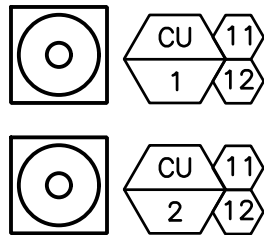
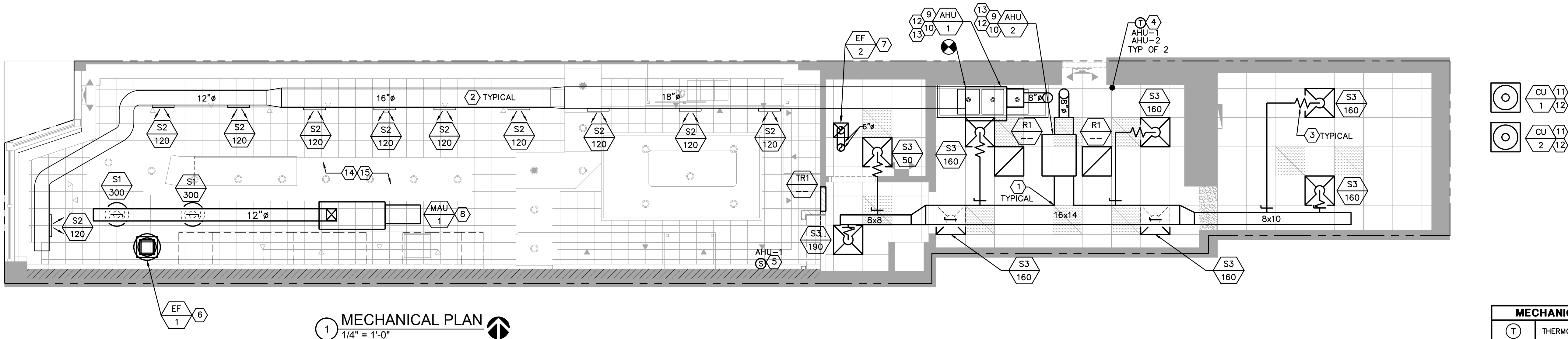


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DETAILS

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EXHAUST FAN SCHEDULE							
TAG	MANUFACTURER	MODEL NUMBER	AREA SERVED	CFM	ESP (WC)	FAN HP VOLTAGE	NOTES
EF-1	GREENHECK	G-095-D	KITCHEN	750	0.35"	1/8 HP 120V	1
EF-2	GREENHECK	G-097-VG	BATHROOM	75	0.35"	1/4 HP 120V	1
NOTES: 1. PROVIDE VENT, BACKDRAFT DAMPER, ROOF PORTAL, TALL FLASHING CONE, STORM COLLAR, AND TERMINATION CAP WITH BIRDSCREEN.							

AIR BALANCE SCHEDULE						
UNIT MARK	SUPPLY AIR	OUTSIDE AIR	MAKE-UP AIR	EXHAUST AIR	RETURN AIR	NOTES
AHU-1	1200	200	-	-	1000	
AHU-2	1200	200	-	-	1000	
MAU-1	-	-	600 CFM	-	-	
EF-1	-	-	-	750 CFM	-	
EF-2	-	-	-	75 CFM	-	
BLDG. TOTAL	2400 CFM	400 CFM	600 CFM	825 CFM	2000 CFM	
MAKE-UP: A/C UNITS OUTSIDE AIR INTAKE FAN MAKE-UP						+400 +600 +1000 CFM.
EXHAUST: HOOD EXHAUST GENERAL EXHAUST						-750 -75 -825 CFM.
BALANCE RESULTS: OUTSIDE AIR EXHAUST						+1000 -825 +175 CFM

AIR DEVICE SCHEDULE							
PLAN MARK	MANUFACTURER	MODEL	MATL.	NECK SIZE	FRAME TYPE	PANEL SIZE	REMARKS
S1	TITUS	TMR	ST	SCHED.	FLANGED	18 1/4" Ø	MILL 1,2,3
S2	EXISTING	-	ST	SCHED.	FLANGED	-	- 1,4,5
S3	TITUS	OMNI	ST	SCHED.	LA-IN	24"x24"	WHITE 1,2,3
R1	TITUS	OMNI	ST	SCHED.	LAY-IN	24"x24"	WHITE 1,2,3
TR1	EXISTING	-	ST	-	GYP. BOARD	EXISTING	WHITE 1,3,6
1. VERIFY COLOR AND FINISH WITH ARCHITECT. 2. PROVIDE VOLUME DAMPER AT AIR DEVICE NECK. 3. SEE RUNOUT SCHEDULE FOR NECK SIZE. 4. DUCT MOUNTED DIFFUSER. 5. CLEAN AND REBALANCE TO SHOWN CFM. 6. WALL MOUNTED DIFFUSER.							

MAKE-UP AIR UNIT SCHEDULE								
MARK	MANUFACTURER MODEL NO.	CFM	E.S.P. (IN W.C.)	B.H.P.	OPERATING POWER (HP)	VOLTAGE	TEMP RISE	LOCATION
MAU-1	CAPTIVE AIRE D76-G7D	600	0.5	0.2	1.0	208/1	71.0°F	ROOF
NOTES: 1. MAU-1 IS A NEW ROOFTOP MOUNTED SUPPLY AIR FAN THAT IS HOOD SUPPLIER FURNISHED AND CONTRACTOR INSTALLED. UNIT TO SERVE KITCHEN EXHAUST HOOD. 2. UNIT SHALL BE INTERLOCKED WITH KITCHEN EXHAUST FAN EF-1 TO COME ON WHEN EXHAUST FAN ENERGIZES. 3. UNIT SHALL INCLUDE INTEGRAL BACKDRAFT DAMPER. 4. UNIT SHALL HAVE A NON-VENTED CURB.								

- MECHANICAL KEYED NOTES**
- FURNISH AND INSTALL GALVANIZED STEEL DUCTWORK, SIZES AS NOTED ON DRAWINGS. DUCTWORK SIZES ARE CLEAR INSIDE DIMENSIONS. DUCTWORK TO BE EXTERNALLY WRAPPED WITH AT WITH DUCT INSULATION PROVIDING A MINIMUM INSTALLED R-VALUE OF R-8 PER SECTION C403.11.
 - THE INTENT IS TO REUSE THE EXISTING DUCTWORK IN THE FRONT OF HOUSE. MECHANICAL CONTRACTOR TO CONFIRM ON SITE THAT ALL EXISTING DUCTWORK AND AIR DEVICES ARE SIZED ADEQUATELY FOR THE NEW AIRFLOW INDICATED. DUCT STATIC PRESSURE DROP SHALL NOT EXCEED 0.1" PER 100FT OF DUCTWORK AND AIR DEVICES NOISE CRITERIA SHALL NOT EXCEED NC-25. IF THESE REQUIREMENTS CANNOT BE MET, NEW DUCTWORK AND AIR DEVICES SHALL BE PROVIDED.
 - MAXIMUM FIVE (5) FEET OF FLEXIBLE DUCT ONLY AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS.
 - PROVIDE 7-DAY PROGRAMMABLE THERMOSTATS AND RELATED WIRING TO CONTROL AIR HANDLING UNIT (AHU-1,2). CONNECT TO REMOTE TEMPERATURE SENSORS. MOUNT 48" A.F.F. PROVIDE LOCKABLE COVER.
 - WALL MOUNTED REMOTE ZONE TEMPERATURE SENSOR SHALL BE MOUNTED AT 48" AFF, AND WIRED BACK TO RESPECTIVE PROGRAMMABLE THERMOSTAT ON AHU (AHU-1,2). COORDINATE PLACEMENT WITH WALL DECOR AND EQUIPMENT. FIELD VERIFY WITH THE OWNER'S REPRESENTATIVE FOR THE FINAL LOCATION PRIOR TO INSTALLATION.
 - FURNISH AND INSTALL NEW CEILING MOUNTED EXHAUST FAN, (EF-1). PROVIDE AND INSTALL NEW 12" DUCT PAINTED TO MATCH HOOD WITH BACK DRAFT DAMPER AND EXTEND UP THROUGH ROOF. KEEP EXHAUST VENT 10' FROM ANY INTAKE VENT. FAN IS TO RUN CONTINUOUSLY DURING OPERATION HOURS.
 - FURNISH AND INSTALL NEW CEILING MOUNTED EXHAUST FAN, (EF-2). PROVIDE AND INSTALL NEW 6" DUCT WITH BACK DRAFT DAMPER AND EXTEND UP THROUGH ROOF. KEEP EXHAUST VENT 10' FROM ANY INTAKE VENT.
 - COORDINATE NEW MAU-1 LOCATION WITH EXISTING ROOF JOIST. COORDINATE WITH STRUCTURAL ENGINEER, MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL MAU INTERLOCKED WITH EF-1, PROVIDE ALL INTERCONNECTING WIRES.
 - PROVIDE NEW AIR HANDLING UNIT (AHU-1,2) VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
 - ROUTE 1"Ø CONDENSATE LINE FROM NEW AHU (AHU-1,2) TO DRAIN INDIRECTLY IN TO MOP SINK.
 - PROVIDE NEW CONDENSING UNIT (CU-1,2) VERIFY EXACT LOCATION ON ROOF WITH LANDLORD'S REPRESENTATIVE.
 - ROUTE REFRIGERANT LINES IN FIELD TO REMOTE CONDENSER (CU-1,2), INSULATE WITH 1" ARMAFLEX, SIZE AND INSTALL ALL PIPING PER MANUFACTURER'S GUIDELINES FOR TOTAL LENGTH AND EQUIPMENT VERTICAL SEPARATION. COORDINATE EXACT REFRIGERANT ROUTE AND UNIT LOCATIONS WITH OWNER PRIOR TO ANY WORK. CONTACT THE ENGINEER IMMEDIATELY, IF ANY DISCREPANCIES ARE DISCOVERED.
 - PROVIDE NEW 8"Ø DUCT UP THROUGH ROOF WITH GOOSENECK FOR OUTSIDE AIR. PROVIDE MANUAL VOLUME DAMPER IN DUCT. REUSE EXISTING ROOF PENETRATION WHERE POSSIBLE, VERIFY IN FIELD.
 - OLD TIN ROOF IN FRONT OF HOUSE IS TO HAVE MINIMUM PENETRATIONS. REUSE WHAT PENETRATIONS ARE EXISTING IF POSSIBLE.
 - EXPPOSED DUCT WORK IN FOH AREA IS TO BE PAINTED TO MATCH ADJACNET CEILING FINISH.

DIFFUSER NECK/RUNOUT SIZE SCHEDULE	
NECK SIZE	CFM
6"Ø	0 - 100
8"Ø	110 - 250
10"Ø	260 - 400
12"Ø	410 - 600
14"Ø	610 - 1000
16"Ø	1010 - 1400
18"Ø	1410 - 1900

AIR HANDLING UNIT SCHEDULE																
PLAN MARK	MANUFACTURER & MODEL NO.	SUPPLY FAN					ELECTRICAL DATA		DX COOLING COIL		GAS HEAT		WEIGHT (LBS)	NOTES		
		SUPPLY CFM	OUTSIDE AIR CFM	ESP (IN W.C.)	H.P.	RPM	VOLTAGE VOLTS/PH	MCA	MOCP	CAP. MBH TOTAL	MBH SENS.	EAT °F DB/WB			MBH IN/OUT	EAT °F
AHU-1	TRANE/S9X1080U4PSBA	1200	200	0.6	0.75	1075	120/1	10.3	15.0	47.6	31.8	80.0/67.0	80.0/77.6	70.0	—	1,2,3,4
AHU-2	TRANE/S9X1080U4PSBA	1200	200	0.6	0.75	1075	120/1	10.3	15.0	47.6	31.8	80.0/67.0	80.0/77.6	70.0	—	1,2,3,4
NOTES:																
1. FIELD VERIFY ALL ELECTRICAL REQUIREMENTS AND VOLTAGES WITH ELECTRICAL CONTRACTOR.																
2. CONTRACTOR SHALL PROVIDE: TWO (2) CHANGES OF THE FILTERS DURING CONSTRUCTION, ONE CHANGE PRIOR TO TESTING AND BALANCING AND ONE CHANGE PRIOR TO TURNOVER TO OWNER. PRIOR TO TESTING AND BALANCING OF THE AIR, VACUUM CLEAN AIR SIDE OF COILS, INSIDE OF AHU CASING AND FANS.																
3. REMOTE CONDENSING UNIT MOUNTED ON ROOF. COORDINATE EXACT LOCATION IN FIELD WITH LANDLORD'S REPRESENTATIVE.																
4. PROVIDE AN EXTERNAL MIXING BOX.																
CONDENSING UNIT SCHEDULE																
PLAN MARK	MANUFACTURERS & MODEL NO	TOTAL MBH	COMPRESSORS		REFRIG.	MCA	MOP	AMBIENT TEMP.	MIN. SEER	VOLTAGE	WEIGHT(LBS)	NOTES				
			NO.	TYPE												
CU-1	TRANE/4TTR3048	—	1	—	R-410a	28.0	45.0	90	13.0	240/1	240	1,2,3				
CU-2	TRANE/4TTR3048	—	1	—	R-410a	28.0	45.0	90	13.0	240/1	240	1,2,3				
NOTES:																
1. PROVIDE AND INSTALL CONDENSING UNIT ON ROOF IN LOCATION AS DIRECTED BY LL. INSTALL CONDENSING UNIT, SIZE AND ROUTE REFRIGERANT LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.																
2. PROVIDE UNIT WITH LOW AMBIENT CONTROL PER MANUFACTURER'S RECOMMENDATIONS FOR OPERATION BELOW 55°F AND LONG LINE KIT, IF REQUIRED.																
3. VERIFY ELECTRICAL VOLTAGE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.																

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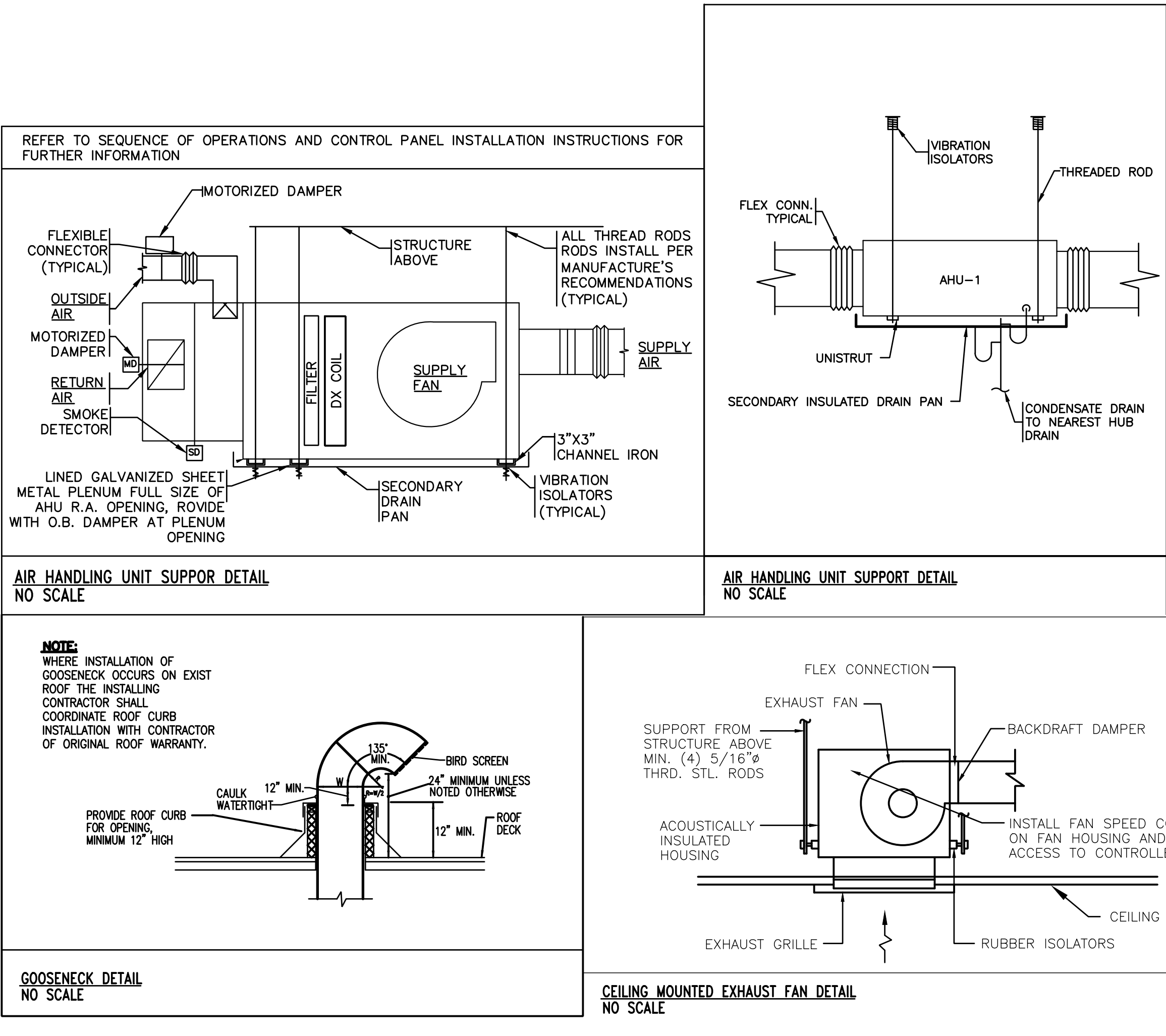
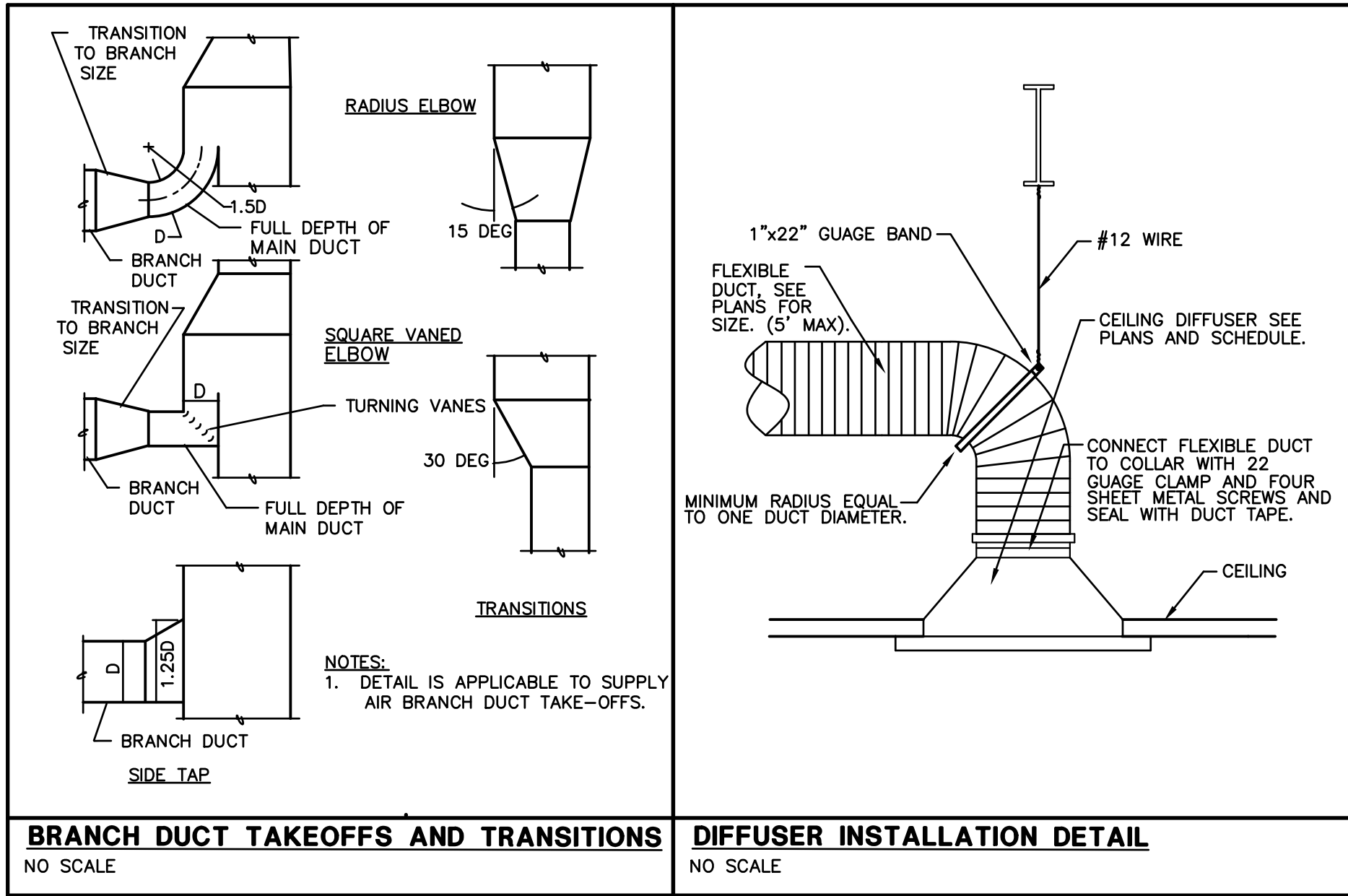
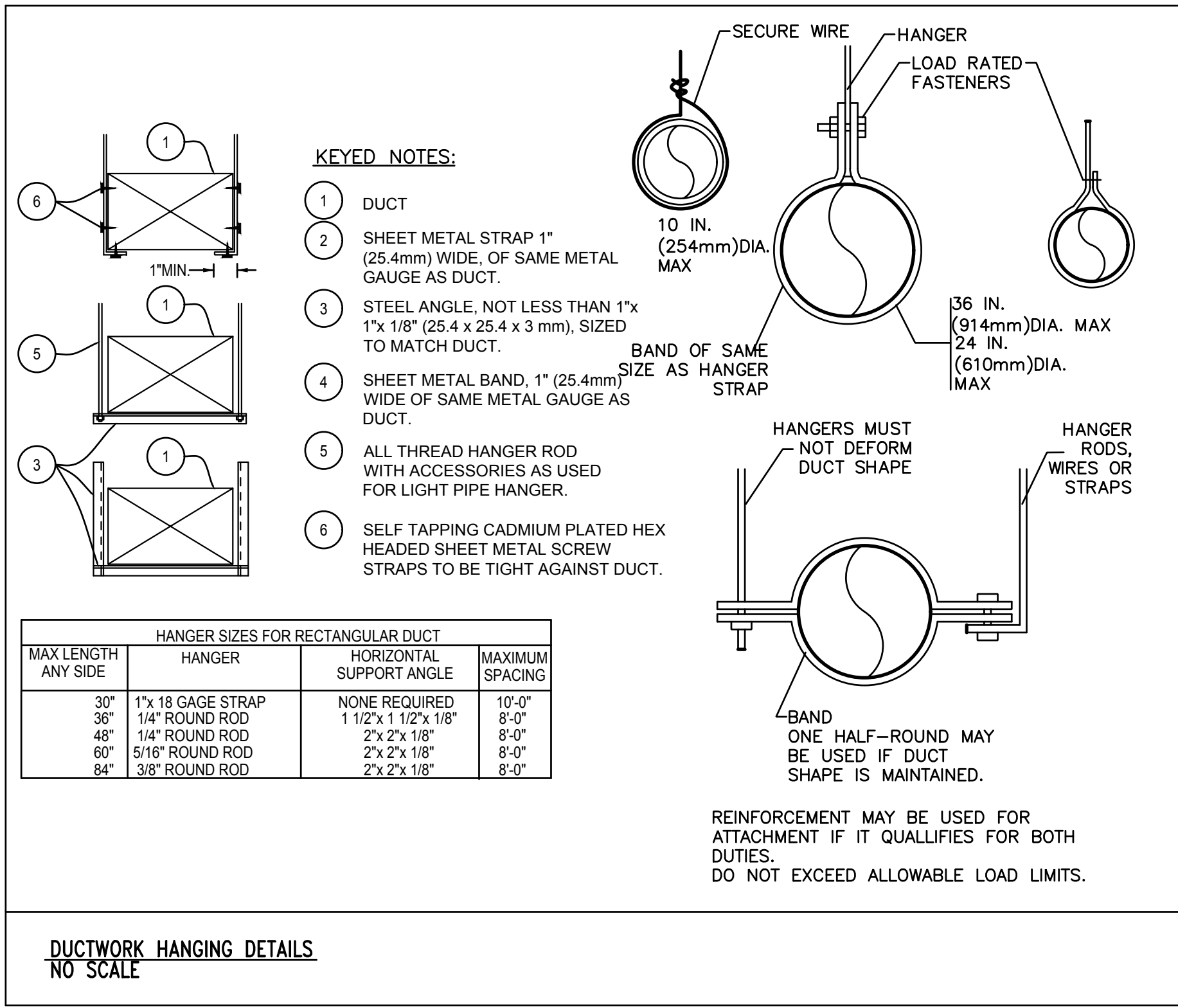
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△	10/20/21	COMMENTS

MECHANICAL PLAN

SHEET NUMBER

M1.0



CONTRACTOR'S GENERAL NOTES

- ALL OF THE MECHANICAL WORK IS NOT NECESSARILY SHOWN OR NOTED ON THESE DRAWINGS. THE CONTRACTORS SHALL VISIT THE JOB SITE AND VERIFY ALL EXISTING CONDITIONS RELATED TO THEIR WORK BEFORE BIDDING. THOSE ITEMS NOT SHOWN OR NOTED BUT WHICH ARE DEEMED NECESSARY FOR REMOVAL OR RELOCATION BY OWNER'S REPRESENTATIVE SHALL BE PART OF THIS CONTRACT.
 - THE SUBMISSION OF PROPOSALS SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTORS HAVE VISITED THE SITE. NO EXTRA PAYMENTS WILL BE ALLOWED THESE CONTRACTORS CLAIMS FOR EXTRA WORK MADE NECESSARY BY THEIR FAILURE TO VISIT THE SITE.
 - EACH CONTRACTOR SHALL WARRANTY THEIR WORK FOR 1 YEAR FROM THE OPENING DATE OF THE STORE.
 - ALL CONTRACTORS SHALL COMPLETE THEIR WORK ACCORDING TO STATE AND OR LOCAL CODES, AS WELL AS ALL REQUIREMENTS STATED IN NOTE B.
 - CONTRACTOR SHALL REVIEW ALL LANDLORD REQUIREMENTS, AS WELL AS ALL REQUIREMENTS STATED IN NOTE B, AND INSTALL ALL MATERIALS AND EQUIPMENT AS DIRECTED BY THE LANDLORD'S REPRESENTATIVE AND AS REQUIRED BY THE LEASE DOCUMENTS. CONTRACTORS SHALL VERIFY THE REQUIREMENTS BEFORE SUBMITTING THEIR BID.
 - COORDINATE ALL DISCREPANCIES BETWEEN DOCUMENTS AND FIELD CONDITIONS WITH THE TENANT. COORDINATE THE EXTENSION, MODIFICATION, FINAL CONNECTION AND TESTING OF ALL UTILITIES OR INTERFACED SYSTEMS WITH THE LANDLORD'S FIELD REPRESENTATIVE.
 - NO COMPONENTS MAY BE ABANDONED IN PLACE. ALL COMPONENTS THAT ARE NOT REUSED MUST BE REMOVED.
 - AMBIGUITY OF PLANS: CONTRACTOR TO OBTAIN ANSWERS FROM ARCHITECT TO ANY QUESTIONS REGARDING THIS JOB BEFORE BIDDING. INTERPRETATION OF ARCHITECT WILL PREVAIL.
 - MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME -SPREAD INDEX OF NOT GREATER THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT GREATER THAN 50. 2016 CMC SECTION 602.2
 - INSULATION APPLIED TO THE SURFACE OF DUCTS, INCLUDING DUCT COVERINGS, LININGS, TAPES, AND ADHESIVES, LOCATED IN BUILDINGS SHALL HAVE A FLAME -SPREAD INDEX OF NOT GREATER THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT GREATER THAN 50. 2016 CMC SECTION 604.0.
 - ALL PIPE INSULATION EXPOSED WITHIN R/A PLENUMS SHALL HAVE A FLAME-SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAT 50 AS PER 2016 CMC SECTION 602.2.
- THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL FOR A COMPLETE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. VERIFY ALL CONDITIONS AT THE SITE BEFORE SUBMITTING A BID.
 - HVAC WORK SHALL COMPLY WITH THE LATEST EDITION OF THE BUILDING CODES AS WELL AS GOVERNING STATE AND LOCAL CODES. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE LANDLORD'S TENANT CRITERIA AND RULES AND REGULATIONS OF THE MALL, AND THE TENANT'S LEASE AGREEMENT. CONTRACTORS SHALL OBTAIN A COPY AND COMPLETELY FAMILIARIZE THEMSELVES WITH THESE DOCUMENTS.
 - CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS AND PROVIDE A CERTIFICATE OF INSPECTION UPON COMPLETION.
 - FIVE COPIES OF ALL SHOP DRAWINGS SHALL BE SUBMITTED BY THIS CONTRACTOR. THESE DRAWINGS SHALL BE CLEARLY MARKED INDICATING WHICH ITEMS ARE TO BE SUPPLIED AND SHALL STATE CAPACITIES, SIZES, REQUIRED INSPECTION LABELS AND GENERAL DESCRIPTION OF ALL EQUIPMENT AND FIXTURES.
 - THIS CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND MATERIAL INSTALLED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF OPENING OF THE STORE. CONTRACTOR SHALL REPAIR OR REPLACE WITHOUT COST TO THE OWNER ANY EQUIPMENT WHICH IS DEFECTIVE, OR IMPROPERLY INSTALLED. IN ADDITION THIS CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO THE BUILDING AND ITS CONTENTS OR OTHER EQUIPMENT CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIALS INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS.
 - FABRICATE AND INSTALL GALVANIZED SHEET METAL DUCTWORK FOR VELOCITIES LESS THAN 2000 FEET PER MINUTE AND STATIC PRESSURES OF LESS THAN 2" WATER GAUGE IN ACCORDANCE WITH THE LATEST EDITION OF SMCNA'S LOW VELOCITY DUCT CONSTRUCTION MANUAL. ALL ELBOWS AND BRANCHES FROM THE MAIN IN ALL SUPPLY AND RETURN DUCTS SHALL BE PROVIDED WITH TURNING VANES. DUCTWORK SHALL BE CONSTRUCTED, INSTALLED, SEALED AND INSULATED IN ACCORDANCE WITH THE LATEST EDITION OF THE MECHANICAL CODE. FIBERGLASS DUCT BOARD IS NOT ACCEPTABLE.
 - TEST AND ADJUST ALL AIR HANDLING EQUIPMENT TO PROVIDE THE REQUIRED AIR VOLUME WITHIN 10% OF DESIGN CONDITIONS. TEST AND ADJUST ALL AIR DEVICES TO THE CFM SHOWN ON THE DRAWINGS. PROVIDE ALL CHANGES REQUIRED TO OBTAIN CFM QUANTITIES SHOWN ON THE DRAWINGS. TESTING AND BALANCING SHALL BE BY AN INDEPENDENT TEST AND BALANCING AGENCY IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN THE TESTING AND BALANCING MANUAL AS PUBLISHED BY SMCNA. THE ARCHITECT SHALL BE PROVIDED WITH THREE CERTIFIED COPIES OF THE AIR BALANCE REPORT BEFORE FINAL PAYMENT WILL BE MADE. PROVIDE THE LANDLORD WITH TWO CERTIFIED COPIES OF THE AIR BALANCE REPORT.
 - FURNISH AND INSTALL ALL MECHANICAL EQUIPMENT AND OR AIR DEVICES AS SCHEDULED ON THE DRAWINGS. BIDS SHALL BE BASED ON THE EQUIPMENT SPECIFIED AND NO SUBSTITUTIONS WILL BE ACCEPTED.
 - FURNISH AND INSTALL ALL SYSTEMS OF HVAC CONTROL (TO INCLUDE CONTROL WIRING) TO PROVIDE A COMPLETE SYSTEM. ALL SYSTEMS SHALL BE COMPLETE AND INSTALLED BY THIS CONTRACTOR.
 - PAY FOR ALL PERMITS AND INSPECTIONS AND PROVIDE CERTIFICATES OF INSPECTION.
 - DO NOT SAW CUT CORE DRILL FLOOR.
 - THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL FOR A COMPLETE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
 - PLUMBING WORK SHALL COMPLY WITH LOCAL AND STATE CODES AND THE LEASE AGREEMENT.
 - FURNISH AND INSTALL STANDARD WEIGHT CAST IRON SOIL PIPE WITH "NO-HUB" FITTINGS FOR ALL WASTE AND VENT PIPING ABOVE GRADE AND SERVICE WEIGHT CAST IRON PIPING WITH APPROVED COMPRESSION JOINTS UNDER FLOOR.
 - INTERIOR WATER PIPING ABOVE THE FLOOR SHALL BE TYPE L WITH 95-5 SOLDERED JOINTS. VALVES SHALL BE NIBCO 5-590 BALL VALVES OR EQUIVALENT. TEST WATER PIPING TO 125 LBS. FOR AT LEAST TWO HOURS WITH NO LEAKS BEFORE COVERING. INSULATE HOT AND COLD PIPING ABOVE THE FLOOR WITH 1" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET.
 - THIS CONTRACTOR SHALL REMOVE ALL UNUSED PLUMBING LINES ASSOCIATED WITH THE LEASED SPACE BACK TO THEIR SOURCE AS REQUIRED BY THE LANDLORD AND LOCAL INSPECTION AUTHORITIES, AND CAP AT TERMINATION POINT.
 - INSULATE ALL DOMESTIC HOT AND COLD WATER PIPING WITH 1" THICK FIBERGLASS ALL SERVICE JACKET TYPE WRAP AROUND INSULATION.
 - INSULATE ALL ROUND DUCT WITH 1-1/2" FIBERGLASS WITH ALL SERVICE JACKET.
 - CONTRACTOR SHALL UTILIZE FILTER MEDIA TO PROTECT ALL RETURN DUCTS AND OPENINGS DURING CONSTRUCTION.
 - NO FIBERGLASS DUCTWORK IS ACCEPTABLE. ALL RIGID DUCTWORK SHALL BE SHEET METAL.
 - SCHEDULE BALANCING WITH THE LANDLORD'S FIELD REPRESENTATIVE. PROVIDE A COPY OF THE APPROVED TEST AND BALANCE REPORT TO THE LANDLORD.
 - PLUMBING SHALL NOT BE INSTALLED IN DEMISING WALLS.
 - PIPE SLEEVES SHALL EXTEND A MINIMUM OF 4" ABOVE THE FINISHED FLOOR. SLEEVES SHALL BE FLASHED INTO THE WATERPROOF FLOORING MEMBRANE PER THE MEMBRANE MANUFACTURER'S RECOMMENDATION.
 - FIXTURES SHALL BE FLASHED INTO THE WATERPROOF MEMBRANE PER THE MEMBRANE MANUFACTURER'S RECOMMENDATION.

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REVISIONS

TAG	DATE	DESCRIPTION
△	09/14/21	PERMIT
△	10/20/21	COMMENTS

MECHANICAL SHEET

SHEET NUMBER

M2.0

FOR QUESTIONS, CALL THE
St. Louis Mechanical
REGION 109
PHONE: (636) 229-9777
EMAIL: reg109@captiveaire.com

MUA FAN INFORMATION – JOB#5042949

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCp	WEIGHT (LBS)	SONES
1		1	D76	G7D	D.6	600	600	0.500	1392	TEAO-ECM	1.000	0.2000	1	208	6.9	9.8A	15A	305	14

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
1		48308	44443	71°F	7 IN. W.C. - 14 IN. W.C.	NATURAL

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.
		1	ECM WIRING PACKAGE - DD SUPPLY - MANUAL REFERENCE SPEED CONTROL (TELCO MOTOR) - PCB CONTROLS.
		1	MOTORIZED INTAKE DAMPER (D76).
		1	FREZESTAT.

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1							YES	

CURB ASSEMBLIES

NO	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	50 LBS	CURB	19.500"W X 52.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.

FAN #1 D76D - HEATER

1. LOW CFM DIRECT FIRED HEATER. DIRECT DRIVE.

2. INTAKE HOOD WITH EZ FILTERS.

3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.

4. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.

5. GAS PRESSURE GAUGE, -5 TO 15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE.

6. ECM WIRING PACKAGE AND MANUAL OR 0-10VDC CONTROL FOR SUPPLY EC MOTORS. MUA BOARD. "DO NOT ORDER UNDER WARRANTY."

7. MOTORIZED BACK DRAFT DAMPER 13" X 17" FOR D76 COMPACT DIRECT FIRED HEATERS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION.

8. 3/4" REAR FLANGE, 15" 120S ACTUATOR INCLUDED.

8. FREEZESTAT FACTORY SET AT 35°F AND 10 MINUTES.

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 41°F. TEMP. RISE = 71°F.

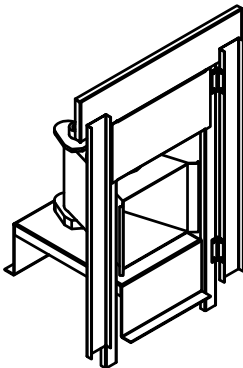
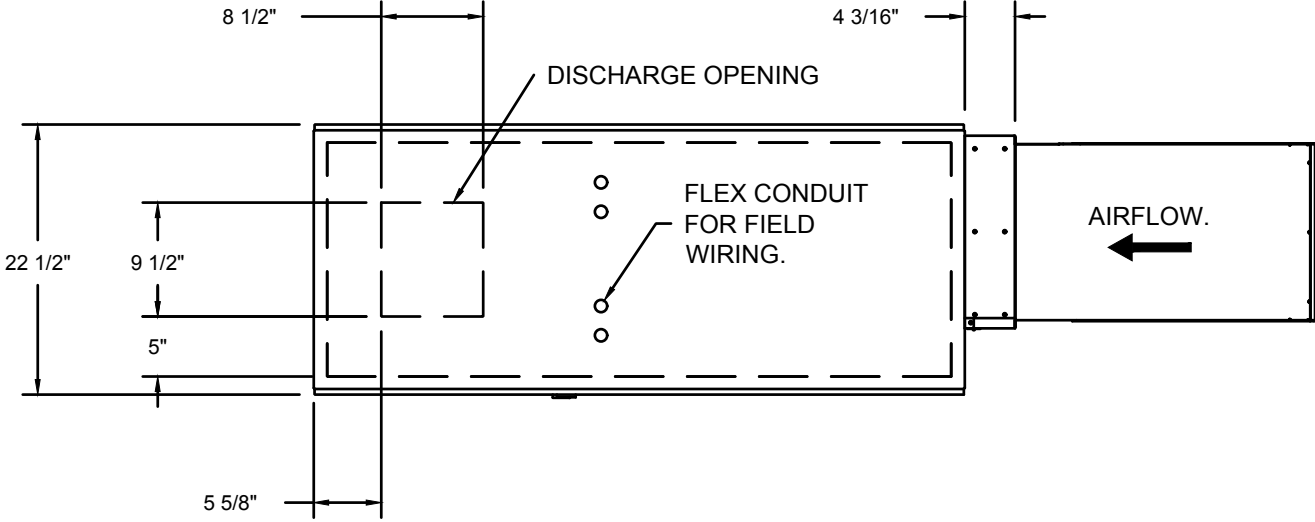
BTUs CALCULATED OFF ACTUAL AIR DENSITY.

OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 45511.

INPUT BTUs AT ALTITUDE OF 0.0 FT. = 49469.

OUTPUT BTUs AT ALTITUDE OF 656 FT. = 44443.

INPUT BTUs AT ALTITUDE OF 656 FT. = 48307.



DIRECT FIRED (DF) PROFILE PLATE ASSEMBLY

DIRECT FIRED PROFILE PLATE SPECIFICATIONS.

DESCRIPTION:

DIRECT FIRED BURNERS SHALL HAVE PATENTED (US PATENT NO.: US629523B2), SELF-ADJUSTING PROFILE PLATES DESIGNED TO ENSURE PROPER AIR VELOCITY AND PRESSURE DROP ACROSS THE BURNER. PROFILE PLATES SHALL ALLOW BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING BY-PRODUCT LEVELS TO A MAXIMUM OF 5PPM OF CARBON MONOXIDE (CO) AND 5PPM OF NITROGEN DIOXIDE (NO2). DIRECT FIRED UNITS SHALL BE CONFIGURED WITH THE BLOWER MOUNTED DOWNSTREAM OF THE BURNER. THIS ARRANGEMENT WILL ENSURE A CONSISTENT AIRFLOW, REGARDLESS OF INLET AIR TEMPERATURE.

APPLICATION:

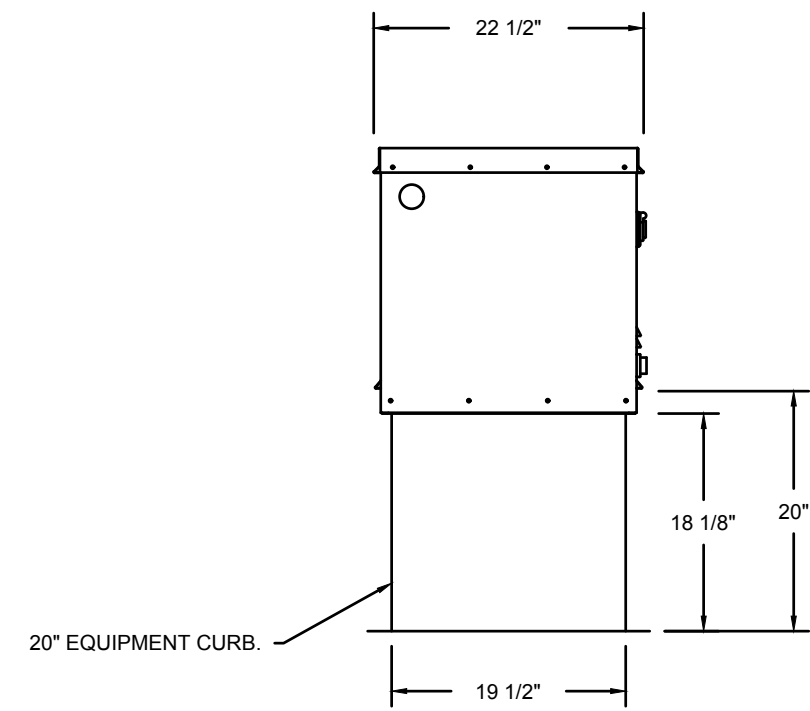
SPRING-COILED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY REACT TO THE MOMENTUM OF A FRESH AIR STREAM, WITHOUT THE NEED FOR ANY MOTORS OR ACTUATORS TO MECHANICALLY ADJUST THEM. WITH THIS FEATURE, ALL DF UNITS ARE DESIGNED FOR DEMAND CONTROL VENTILATION (DCV) REQUIREMENTS.

CERTIFICATIONS:

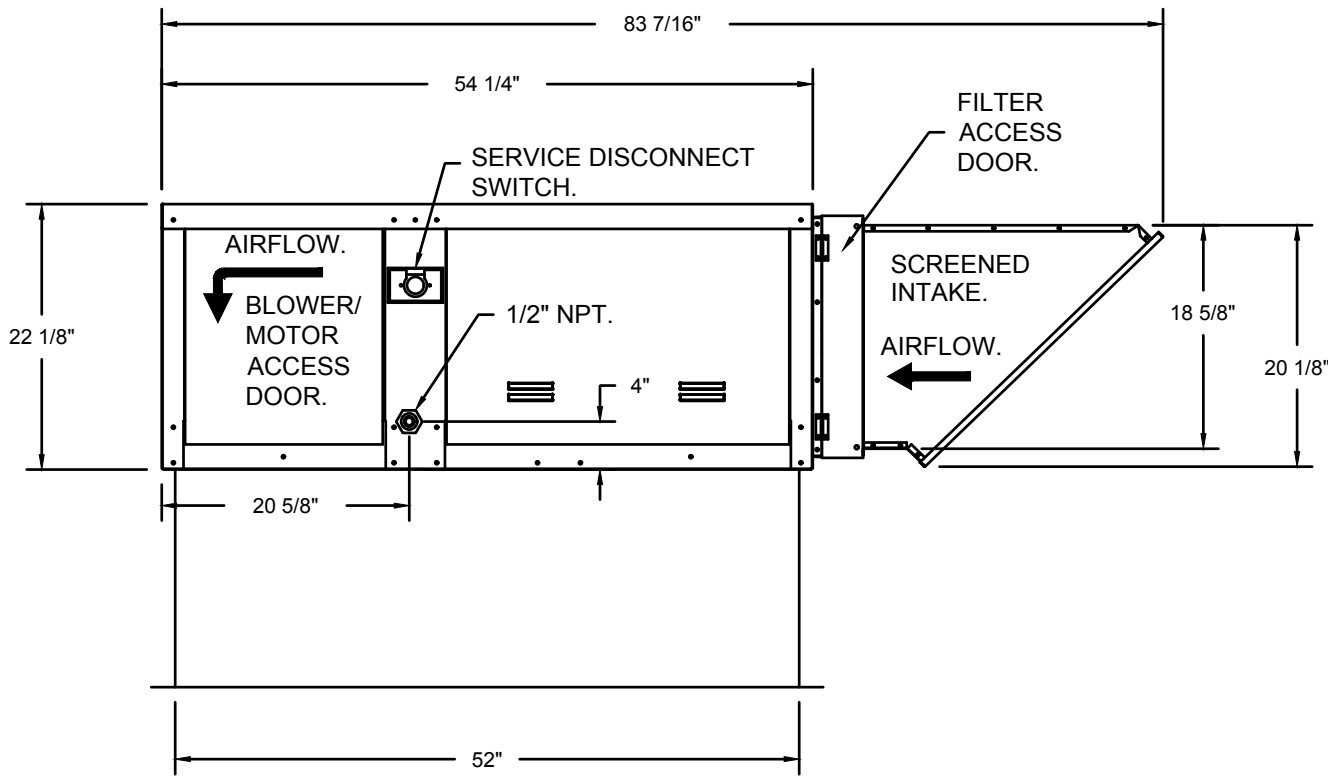
ALL PROFILE PLATE ASSEMBLIES SHALL BE INCLUDED IN THE DF UNITS ETL LISTING AND COMPLY WITH COMBINED SAFETY STANDARDS ANSI Z83.4 AND CSA 3.7 (NON-RECIRCULATING DF HEATERS) AND ANSI Z83.18 (RECIRCULATING DF HEATERS).

GENERAL CONSTRUCTION:

-PROFILE PLATES SHALL BE FORMED FROM 300 GALVANIZED STEEL.
-PROFILE PLATES SHALL VARY IN SIZE PER UNIT.
-PROFILE PLATES SHALL BE MOUNTED ALONG THE SAME PLANE AS THE DISCHARGE OF THE BURNER.
-DESIGN SHALL INCORPORATE PROPERLY TORQUED, PERMANENTLY MOUNTED SPRING HINGES.
-SPRING HINGES SHALL BE MADE FROM PLATED STEEL.



ROOF OPENING 2" SMALLER THAN CURB DIMENSION.



Chocolate Factory MAU_R1
LA GRANGE, IL, 60525

DATE: 8/18/2021

DWG.#:

5042949

DRAWN BY: WW-109

SCALE:

3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

1

St. Louis Mechanical
2 City Place Drive, Suite #200, St. Louis, MO, 63141 PHONE: (636) 229-9777 EMAIL: reg109@captiveaire.com

www.captiveaire.com

DATE:
JOB NO:
DRAWN: CC
CHECKED:



711 N. FIELDER RD.
ARLINGTON, TX 76012
PH: (817) 635-5696
FAX: (817) 635-5699

AUNTIE ANNE'S/ROCKY MOUNTAIN
CHOCOLATE FACTORY
50B SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525



10/19/21

REVISIONS

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MECHANICAL SHEET

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M3.0

GENERAL

- A. THE GENERAL CONDITIONS OF THE GENERAL SPECIFICATIONS, ALONG WITH ALL APPLICABLE INSTRUCTIONS TO BIDDERS SHALL FORM A PART OF THIS SECTION OF THE SPECIFICATIONS.
- B. REFERENCE IS MADE TO REQUISITES FOR BIDDERS AND CONTRACTORS UNDER OTHER SECTIONS OF THESE SPECIFICATIONS, WHICH SHALL BE CONSIDERED BINDING, UNLESS OTHERWISE NOTED UNDER THIS SECTION.

SCOPE

EACH CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DETAILS, BOTH AS ON TENANT CONSTRUCTION DRAWINGS AND LANDLORD'S AS REFERRED TO, BEFORE SUBMITTING HIS BID AS NO ALLOWANCES WILL BE MADE BECAUSE OF THE CONTRACTOR'S UNFAMILIARITY WITH THESE DETAILS. ALL PERFORMANCE OF CONSTRUCTION SHALL BE REQUIRED BY THE PACE OF THE GENERAL CONSTRUCTION.

INSPECTION OF SITE

ALL PROPOSALS SHALL PRECLUDE THAT CONTRACTOR IS FAMILIAR WITH JOB SITE CONDITIONS AND UTILITY LOCATIONS AND THE LACK OF SPECIFIC INFORMATION ON THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY.

PERMITS

ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE SUBCONTRACTOR INVOLVED.

CODE REQUIREMENTS

ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS, DRAWINGS OR AS DIRECTED BY THE OWNER, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES, OR REGULATIONS OF THE GOVERNING BODIES, WHETHER SO SHOWN OR NOT, AND ALL MODIFICATIONS REQUIRED BY SUCH AUTHORITIES SHALL BE MADE BY THE CONTRACTOR WITHOUT ANY ADDITIONAL COST TO THE OWNER.

MATERIALS AND WORKMANSHIP

- A. ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURERS, AND UNLESS OTHERWISE SPECIFIED SHALL BE NEW, AND FREE FROM ANY DEFECTS. ALL LIKE MATERIALS USED SHALL BE OF THE SAME MANUFACTURE AND QUALITY UNLESS OTHERWISE SPECIFIED.
- B. ALL WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY COMPETENT WORKMEN AND EXECUTED IN A NEAT AND WORKMANLIKE MANNER. WORK SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION, AND ON COMPLETION, THE INSTALLATION SHALL BE THOROUGHLY CLEANED AND ALL DEBRIS PRESENT AS A RESULT OF THIS CONTRACT SHALL BE REMOVED FROM THE PREMISES, DO NOT JUST ABANDON.

CODES AND REGULATIONS

EACH SUBCONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATION RELATING TO THE CONDUCT OF THE WORK AS DRAWN OR SPECIFIED. IF A SUBCONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT A VARIANCE, HE SHALL PROMPTLY NOTIFY THE GENERAL CONTRACTOR AND THE TENANT IN WRITING. IF ANY SUBCONTRACTOR PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO LAWS, ORDINANCES, RULES AND REGULATIONS AND WITHOUT GIVING SUCH NOTICE, THE SUBCONTRACTOR SHALL BEAR ALL COSTS ARISING THEREFROM.

PROTECTION OF WORK AND PROPERTY

- A. EACH SUBCONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF ALL HIS WORK FROM DAMAGE AND SHALL PROTECT THE OWNER'S PROPERTY FROM INJURY OR LOSS ARISING FROM HIS WORK. HE SHALL MAKE GOOD ANY SUCH DAMAGE, INJURY, OR LOSS, EXCEPT SUCH AS MAY BE DIRECTLY DUE TO CAUSES BEYOND HIS CONTROL AND NOT TO HIS FAULT OR NEGLIGENCE. HE SHALL ADEQUATELY PROTECT ADJACENT PROPERTY AS WELL.
- B. EACH SUBCONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THEIR EMPLOYEES ON THE WORK AND SHALL COMPLY WITH ALL PROVISIONS OF FEDERAL, STATE AND LOCAL BUILDING CODES AND SAFETY LAWS TO PREVENT ACCIDENTS OR INJURY TO PERSONS ON OR ADJACENT TO THE PREMISES WHERE THE WORK IS BEING PERFORMED. EACH SUBCONTRACTOR SHALL MAINTAIN ALL INSURANCE REQUIRED TO PROTECT HIMSELF, OWNER AND TENANT FOR THE DURATION OF THE WORK AGAINST PROPERTY DAMAGE AND PUBLIC LIABILITY.

CHANGES IN WORK

THE TENANT, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO OR DEDUCTING FROM THE WORK, THE CONTRACTOR MUST BEING ADJUSTED.

COOPERATION

ALL WORK UNDER THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN CON-JUNCTION WITH OTHER CONTRACTORS AND TRADES OF THIS PROJECT IN A MANNER WHICH WILL ALLOW EACH CONTRACTOR AND TRADE ADEQUATE TIME AT THE PROPER STAGE OF CONSTRUCTION TO FULFILL HIS CONTRACTS. REFER-ENCE SHALL BE MADE TO THE OWNER FOR INSTRUCTIONS SHOULD ANY QUESTIONS ARISE BETWEEN TRADES AS TO THE PLACING OF LINES, DUCTS, CONDUITS, FIXTURES, OR EQUIPMENT, OR SHOULD IT APPEAR DESIRABLE TO REMOVE ANY GENERAL CONSTRUCTION WHICH WOULD AFFECT THE APPEARANCE OR STRENGTH OF THE STRUCTURE.

SUBSTITUTION OF MATERIALS

MANUFACTURER'S NAMES ARE LISTED HEREIN TO ESTABLISH A STANDARD. THE PRODUCTS OF OTHER MANUFACTURERS WILL BE ACCEPTABLE, IF IN THE OPINION OF THE TENANT, THE SUBSTITUTE MATERIAL IS OF A QUALITY AS GOOD OR BETTER THAN THE MATERIAL SPECIFIED, AND WILL SERVE WITH EQUAL EFFICIENCY AND DEPENDABILITY, THE PURPOSE FOR WHICH THE ITEMS SPECIFIED WERE INTENDED.

SHOP DRAWINGS

SHOP DRAWINGS AND CATALOG DATA ON ALL MAJOR ITEMS OF EQUIPMENT AND SYSTEMS, AND SUCH OTHER ILLUSTRATIVE MATERIAL AS MAY BE CONSIDERED NECESSARY BY THE TENANT, SHALL BE SUBMITTED BY THIS CONTRACTOR IN ADEQUATE TIME TO PREVENT DELAY AND CHANGES DURING CONSTRUCTION.

DRAWINGS AND SPECIFICATIONS

- A. THE DRAWINGS SHOW DIAGRAMMATICALLY THE LOCATIONS OF THE VARIOUS LINES, DUCTS, CONDUITS, FIXTURES, AND EQUIPMENT AND THE METHOD OF CONNECTING AND CONTROLLING THEM. IT IS NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL AND ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM.
- B. SHOULD ANY CHANGES BE DEEMED NECESSARY BY THE CONTRACTOR IN ITEMS SHOWN ON CONTRACT DRAWINGS, THE SHOP DRAWINGS, DESCRIPTIONS, AND THE REASON FOR THE PROPOSED CHANGES SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.

RESPONSIBILITY

- A. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE SATISFACTORY AND COMPLETE EXECUTION OF ALL WORK INCLUDED IN HIS CONTRACT. HE SHALL PRODUCE COMPLETE FINISHED OPERATING SYSTEMS AND PROVIDE ALL INCIDENTAL ITEMS REQUIRED AS PART OF HIS WORK, REGARDLESS OF WHETHER SUCH ITEM IS PARTICULARLY SPECIFIED OR INDICATED.
- B. CONTRACTOR SHALL SUPPLY TO LANDLORD AND TENANT A CERTIFIED BALANCE REPORT AT COMPLETION OF PROJECT. THIS IS REQUIRED FOR BOTH REMODELED AND NEW STORES.

CONDENSATE NOTE

-ROUTE CONDENSATE LINES BELOW ROOF (WITHIN CURB OPENING OR PITCH PAN) IMMEDIATELY ADJACENT TO THE ROOF EQUIPMENT, HELD TIGHT TO

DECK, INSULATE, AND TO DISCHARGE WITHIN DEMISED PREMISES. ANY PORTION OF THE CONDENSATE DRAIN CONNECTION ABOVE ROOF DECK TO BE COPPER (MAY TRANSITION TO PVC ONCE BELOW DECK) DO NOT PENETRATE SIDE OF CURB.

-INSULATE ALL CONDENSATE AND REFRIGERANT LINES TO PREVENT SWEATING, DRIPPING ONTO CEILING.

GENERAL PROVISIONS

1. SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING PLUMBING SYSTEM FOR THE BUILDING.

OBTAIN WATER, SEWER, GAS TAPS, AND ANY OTHER REQUIRED UTILITIES AND EXTEND SERVICE FROM SAME TO BUILDING AS SHOWN ON DRAWINGS. VISIT THE SITE FOR UNDERSTANDING OF THE WORK TO BE DONE BEFORE SUBMITTING BID.

COORDINATE THIS WORK WITH THE WORK OF THE OTHER TRADES ON THE PROJECT. ALL PLUMBING IS TO BE ROUGHED IN WHILE THE BUILDING IS BEING CONSTRUCTED AT SUCH TIMES AS NOT TO DELAY THE GENERAL CONTRACTOR ON THE BUILDING.

2. GENERAL REQUIREMENTS: COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS, CODES, RULES, AND ORDINANCES GOVERNING WORK OF THIS CHARACTER. PAY FOR AND OBTAIN NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION.

A. DRAWINGS: THE LOCATION OF THE PIPING RUNS ARE APPROXIMATE AND THE CONTRACTOR MUST MAKE ANY NECESSARY CHANGES IN THE PIPING RUNS, ETC., AT NO ADDITIONAL COST TO THE OWNER. OUTLET LOCATIONS ARE CRITICAL AND MUST BE LOCATED EXACTLY ACCORDING TO THE PLUMBING PLAN. COORDINATE THIS WORK WITH THE INSTALLERS OF EQUIPMENT FURNISHED AND INSTALLED BY OTHERS. REFER TO THE OTHER DRAWINGS FOR DETAILS OF THE BUILDING CONSTRUCTION AND THE OTHER MECHANICAL, ELECTRICAL, AND EQUIPMENT FEATURES.

B. COORDINATION AND WORKMANSHIP: SCHEDULE THIS WORK SO THAT IT WILL BE PROPERLY COORDINATED WITH ALL OTHER TRADES. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE FOR THE CLASS OF WORK INVOLVED. WORKMANSHIP SHALL ALLOW THE APPLIANCE TO OPERATE AS INTENDED AND BE INSTALLED TO BEST PROTECT THE PUBLIC AND OPERATORS FROM INJURY OR DAMAGE, AND TO PRESENT A NEAT, PLEASING, AND ORDERLY APPEARANCE.

MATERIALS AND PERFORMANCE

1. MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER FIRST-LINE MANUFACTURERS MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING. A SUBSTITUTIONS LIST SHALL BE SUBMITTED IN TRIPLICATE WITHIN FIVE (5) DAYS AFTER THE CONTRACT IS LET.

2. BACKFILLING: PERFORM ALL NECESSARY EXCAVATING AND BACKFILLING REQUIRED FOR THIS INSTALLATION. PREPARE A PROPER BED OF SAND OR GRAVEL OR EQUIVALENT IN ROCK SCREENINGS SO AS TO ELIMINATE SHIMMING AND VOID SPACES UNDER ANY OF THE UTILITY SERVICE PIPES. BENDINGS OF ANY HARD PIPE WILL NOT BE PERMITTED, WHERE A CHANGE IN DIRECTION IS NECESSARY ON PRESSURE PIPES, "COMPATIBLE" COUPLINGS OR EQUAL SHALL BE USED AND BENDS MAY NOT EXCEED 90 DEGREES. ALL EXCAVATION BELOW THE BOTTOM OF FOOTINGS SHALL BE BACKFILLED WITH 2000 PSI CONCRETE. OTHER BACKFILL SHALL CONSIST OF 2-3" OF SAND OR ROCK SCREENINGS AND EARTH TO A FINAL LEVEL EQUAL TO ITS ORIGINAL CONDITION. IN THE EVENT THE BACKFILL SHOULD SETTLE BEFORE THE FINAL TOP SURFACE IS APPLIED, APPLY ADDITIONAL BACKFILL TO SUSTAIN THE ORIGINAL LEVEL. CARE SHOULD BE TAKEN TO MINIMIZE THE DUST LEVEL WHEN EXCAVATING AND BACKFILLING SO AS TO COMPLY WITH FEDERAL AND STATE E.P.A. REGULATIONS RELATING TO THIS TYPE OF WORK (FUGITIVE DUST).

3. PIPING INSTALLATION: CLEANOUTS MUST BE INSTALLED ON MINIMUM DROP LINES EVEN THOUGH NOT SHOWN ON THE BLUEPRINTS. USE REDUCING FITTINGS IN MAKING REDUCTIONS IN SIZE OF PIPE. REAM ALL PIPE AFTER CUTTING, THEN TURN PIPES ON END AND KNOCK OUT ALL LOOSE DIRT AND SCALE BEFORE INSTALLING. MAKE CHANGES IN HORIZONTAL DIRECTION OF SOIL AND WASTE PIPES WITH LONG RADIUS FITTINGS OR WITH "Y" BRANCHES AND 1/8 OR 1/16 BENDS. CONNECT SOIL STACKS AT BASE TO HORIZONTAL RUNS WITH "Y" CONNECTIONS.

WATER SUPPLY PIPES TO FIXTURES AND WASTE PIPES FROM FIXTURES SHALL BE CENTERED IN THE PROPER PLACE RELATIVE TO THE CENTER LINE OF THE FIXTURE. NO OFFSETS WILL BE ALLOWED. ALL PIPES SHALL BE RUN MECHANICALLY STRAIGHT AND SQUARE WITH BUILDING LINES, EXCEPT FOR REQUIRED PITCH ON HORIZONTAL LINES. AND ALL CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS. WATER PIPING TO BE ROUTED IN WALLS, UNDER THE FLOOR SLAB, AND ABOVE SUSPENDED CEILINGS AS NOTED. WHERE WATER LINES ARE ROUTED UNDER THE FLOOR SLAB, NO MECHANICAL JOINTS SHALL BE MADE UNDER THE SLAB EXCEPT AS LISTED BELOW. WATER PIPING SHALL BE INSTALLED NOT TO EXERT VERTICAL NOR HORIZONTAL STRESSES ON THE SEATING OF UNIONS. UNIONS SHALL BE COPPER TYPE NIBCO #733 OR EQUAL.

NO WAX, PUTTY, OR VARNISH WILL BE PERMITTED. CRACKED FITTINGS SHALL BE REMOVED AND REPLACED WITH NEW FITTINGS. MAKE THREADED JOINTS IN BRASS PIPE AND FITTINGS WITH PIPE THREADING TO THE SHOULDER OF THE FITTINGS. NO SLIP JOINTS OR COUPLING JOINTS IN BRASS PIPE WILL BE PERMITTED, EXCEPT ON THE FIXTURE SIDE OF THE TRAP.

4. NATURAL GAS PIPING: FOR ABOVE GROUND INSTALLATIONS, ALL FITTINGS TO BE JOINED WITH TEFLON TAPE SEAL OR OTHER SUITABLE SEAL AND MADE IN CONFORMANCE WITH THE BEST PRACTICES OF AGA AND NFPA 54. UNIONS SHALL BE CAST BLACK IRON AND INSTALLED IN A MANNER THAT NO STRESS WILL BE PLACED ON THE MALE-FEMALE SEALING SURFACES. PROPER ALIGNMENT WILL BE MADE AT TIME OF INSTALLATION. ALL JOINTS AND CONNECTIONS SHALL BE THOROUGHLY CLEANED OF OIL, THREAD CUTTINGS AND RESIDUALS TO ACCEPT ENAMEL PAINT. ROUGH OR SHARP EXPOSED THREAD SURFACES SHALL BE FILED SMOOTH. TESTING SHALL BE AS OUTLINED.

5. WATER PIPE: JOINTS SHALL BE CLEANED AND DEBURRED AS RECOMMENDED BY THE MANUFACTURER AND FEDERAL, STATE, AND LOCAL CODES. SOLDERED AS LISTED BELOW. FLUX SHALL BE NON-CORROSIVE.

ABOVE GRADE - WHERE FITTINGS ARE SOLDERED BOTH FITTINGS AND TUBING SHALL BE CLEANED AS DESCRIBED ABOVE. UNDER NO CIRCUMSTANCES SHALL DISSIMILAR METALS COME INTO DIRECT CONTACT WITH COPPER TUBING. E.G., GALVANIZED STRAPPING, HANGERS, OR CLAMPS TO SECURE THE TUBING.

BELOW GRADE, OR FLOOR SLAB ON EARTH OR STONE FILL - HIGH TEMPERATURE, SOLDER, 1200 DEG. F OR GREATER MELTING POINT.

NOTE: WATER PIPE TO BE PROPERLY SECURED AND ALIGNED SO AS NOT TO EXERT VERTICAL OR HORIZONTAL STRESSES ON THE SEATING OF THE MATING (MALE AND FEMALE) SURFACES OF THE UNIONS.

- A. MATERIALS - UNDERGROUND: TYPE "K" COPPER TUBE, SOFT TEMPER.
- B. MATERIALS - ABOVEGROUND: TYPE "L" COPPER TUBE, HARD DRAWN.
- C. MATERIALS - ALTERNATE: PEX-A PIPING, IF APPROVED BY LOCAL CODE.
- D. INSULATION: INSULATION FOR HOT AND COLD WATER PIPING SHALL BE 1" THICK ARMAFLEX UL LABELED OR FIBERGLASS 25 WITH ASJ/SSL FOIL/VINYL JACKET OR EQUAL. INSULATE ALL PIPING AND FITTINGS.

GAS PIPING

- A. GAS PIPING ABOVE GROUND: ASTM A53, SCHEDULE 40 BLACK STEEL WITH 125 POUND BLACK MALLEABLE IRON SCREWED FITTINGS. INSTALL MOISTURE TRAPS ON HVAC UNITS AND KITCHEN EQUIPMENT. COUNTER STRIKE CSST TUBING IS AN ACCEPTABLE ALTERNATIVE MATERIAL IF ALLOWED BY LOCAL CODE.
- B. GAS PIPING COMPOUND AT JOINTS, IN COMPLIANCE WITH NFPA BULLETIN #54 AND LOCAL APPLICABLE CODES AND SUITABLE FOR NATURAL GAS SERVICE.
- C. COORDINATE ANY GAS LINE ROUTING FROM METER WITH LANDLORD REP. GAS LINES MUST PASS THROUGH PROVIDED OPENING IN PARAPET WALL, AND NOT OVER TOP (UNLESS OTHERWISE NOTED BY PROP. MANAGER.) RUN GAS LINE OVER HALLWAYS OR SHARED SPACES WHEN AVAILABLE, OR AT VERY FRONT/REAR OF BUILDING WHEN NOT.
- D. GAS LINE SUPPORTS MUST HAVE SLIP SHEETS (NEOPRENE OR TPO MATERIAL) UNDER EACH FOR ROOF PROTECTION.
- E. EXTERIOR GAS LINE(S) MUST BE PAINTED TO MATCH EXISTING WALL FINISH OF BUILDING, AND PAINTED PER CODE ON ROOFTOP.
- F. GAS LINES WHICH EXTEND VERTICALLY BELOW DECK (THROUGH ATTIC SPACE) SHALL NOT HAVE JOINTS WITHIN ATTIC SPACE OR WALL CAVITIES. WALL CAVITIES WITH GAS LINES WITHIN SHALL BE VENTED TO AN OCCUPABLE (NOT VENTED TO ATTIC SPACE.)
- G. GAS LINE DIRT LEGS AND CONDENSATION TRAPS TO BE 2" MIN. CLEAR OF ANY SURFACE, INCLUDING ROOF MEMBRANE.

7. WASTE PIPING: INSTALL HORIZONTAL DRAIN AND WASTE PIPES WITH 1/8"FT. SLOPE. MATERIALS: PVC SCH. 40, CAST IRON - HUB TYPE WITH NEOPRENE JOINTS - WITH STAINLESS STEEL CONNECTORS WHEN PVC IS NOT ALLOWED PER LOCAL CODE.

8. PIPE SLEEVES/ESCUTCHEONS: PROVIDE CHROME-PLATED ESCUTCHEONS ON ALL PIPES PASSING THROUGH WALLS, FLOORS, OR CEILINGS OF FINISHED ROOMS. ESCUTCHEONS TO BE BEATON & CADWELL, #10, 40, 6A OR EQUIVALENT WITH SET-SCREWS. PROVIDE ESCUTCHEONS ON ALL WASTE LINES FROM PLUMBING FIXTURES, WHETHER THROUGH WALLS, FLOORS, AND WHETHER CONCEALED BEHIND COUNTERS OR EXPOSED. PIPE SLEEVES SHALL BE PROVIDED WHEN PIPES PENETRATE FOUNDATION AND SHALL BE 1" LARGER THAN PIPE, SEAL SLEEVE W/CAULKING.

9. PLUMBING FIXTURES: FURNISH AND INSTALL PLUMBING FIXTURES AS SHOWN ON DRAWINGS WITH ALL ACCESSORIES AND TRIM AS LISTED. ALL FIXTURES SHALL BE PROTECTED THROUGH THE COURSE OF THE CONSTRUCTION. ANY FIXTURE DAMAGED SHALL BE REPLACED WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

10. CONNECTION TO OTHER FIXTURES: CONNECT BUILDING SERVICE PIPING, INCLUDING BUT NOT LIMITED TO WATER, DRAIN, AND GAS PIPES TO FOOD SERVICE EQUIPMENT AS INDICATED IN EQUIPMENT SPECIFICATIONS. PROVIDE BACKFLOW PROTECTION ON ICE MACHINES AND BEVERAGE EQUIPMENT SUPPLY CONNECTION.

11. TESTS:
A. DRAINAGE AND VENT PIPING - DRAINAGE AND VENT PIPING SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE INSTALLED BY CAPPING THE OPENINGS AND FILLING THE ENTIRE SYSTEM WITH WATER AND ALLOWING IT TO STAND THIS FILLED NOT LESS THAN ONE (1) HOUR. INSPECT WATER LEVEL TO DETERMINE IF PIPING IS TIGHT.

- B. WATER PIPING - THE WATER SUPPLY PIPING LINES SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE CONNECTED BY FILLING THE ENTIRE SYSTEM WITH POTABLE WATER AND APPLYING HYDROSTATIC PRESSURE OF 100 PSI AND ALLOWING TO STAND FOR NOT LESS THAN FOUR (4) HOURS AT THIS PRESSURE TO PROVE PLUMBING INTEGRITY.

- C. GAS PIPING - IN LIEU OF LOCAL REQUIREMENTS, GAS PIPING SHALL BE FILLED WITH COMPRESSED AIR TO 150 PSI AND HELD FOR A PERIOD OF FOUR (4) HOURS. EACH JOINT SHALL BE CHECKED BY LIQUID SOAP OR SPECIAL LIQUID CHEMICAL FOR LEAKS. NOTE: REMOVE ALL GAS VALVES AND PROTECT FROM DAMAGE BEFORE TESTING SYSTEM.

12. DISINFECTION OF POTABLE WATER SYSTEM: UPON COMPLETION OF INSTALLATION DISINFECT THE WATER SYSTEM BY FILLING IT WITH SOLUTION CONTAINING 50 PARTS PER MILLION OF CHLORINE AND ALLOW IT TO STAND FOR NOT LESS THAN SIX (6) HOURS BEFORE FLUSHING THOROUGHLY AND RETURNING TO SERVICE. FURNISH CLEAN WATER SAMPLES TO THE LOCAL AUTHORITY FOR TESTING AFTER THE LINES HAVE BEEN DISINFECTED. THIS PROCEDURE TO BE IN ACCORDANCE WITH STATE PLUMBING CODE.

13. CLEANUP: CLEAN ALL PLUMBING FIXTURES AND EQUIPMENT THOROUGHLY BEFORE FINAL INSPECTION, LEAVING ALL READY FOR USE.

14. GUARANTEE: MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. DEFECTIVE WORK AND ALL DAMAGES CAUSED THEREBY WHICH MAY OCCUR DURING THE TERM OF THE AFOREMENTIONED GUARANTEE WILL BE REPAIRED AND/OR REPLACED AT NO EXPENSE TO THE OWNER.

15. OWNER'S MANUAL: PROVIDE THE OWNER, AT THE COMPLETION OF THIS CONTRACT, WITH AN "OWNER'S MANUAL" SO LABELED. THE MANUAL SHALL CONSIST OF A THREE-RING LOOSE-LEAF BINDER CONTAINING ALL THE MATTER SUCH AS: GUARANTEE CARDS, CLEANING INSTRUCTIONS, NOTICES TO OWNER, OPERATING MANUALS, AND MAINTENANCE INSTRUCTIONS THAT MAY BE CONTAINED IN THE SHIPPING CARTONS OR EQUIPMENT

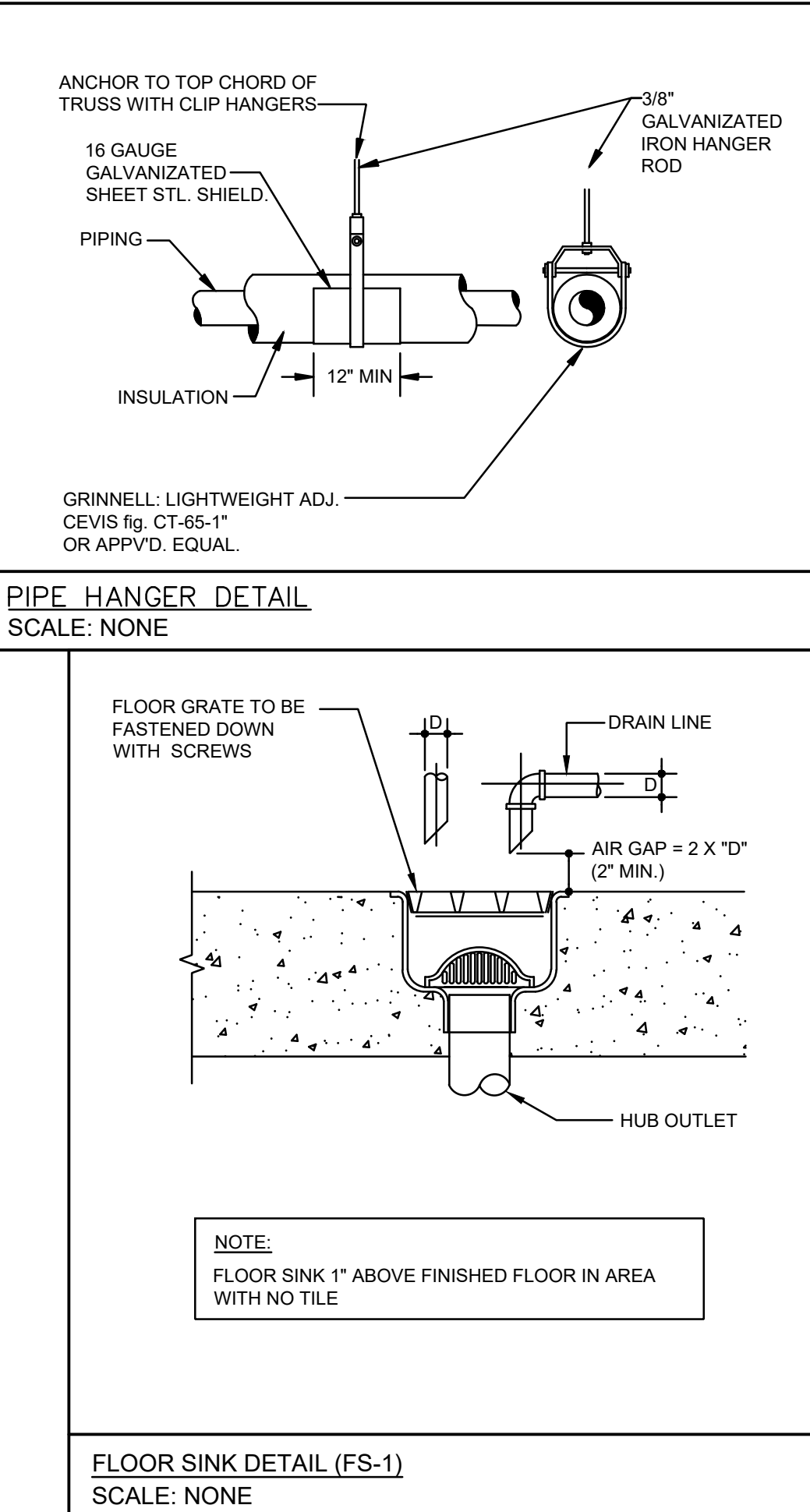
TABLE TO CALCULATE DRAINAGE FIXTURE UNITS			
PLUMBING FIXTURE	DRAINAGE FIXTURE UNITS	NUMBER OF FIXTURES	TOTAL DRAINAGE FIXTURE UNITS
HAND SINK	1	3	3
(E)LAVATORY	1	1	1
(E)WC	3	1	3
WORK SINK	2	1	2
(E)3-COMP SINK	2	1	2
FLOOR SINKS	3	3	9
FLOOR DRAINS	3	2	6
(E)MOP SINK	3	1	3
WASHER BOX	2	1	2
TOTAL DRAINAGE UNITS			31
TOTAL DRAINAGE UNITS FOR ALL FIXTURES			41

TABLE TO CALCULATE WATER FIXTURE UNITS			
PLUMBING FIXTURE	WATER FIXTURE UNITS	NUMBER OF FIXTURES	TOTAL DRAINAGE FIXTURE UNITS
HAND SINK	1	3	3
(E)LAVATORY	1	1	1
(E)WC	3	1	3
WORK SINK	2	1	2
(E)3-COMP	3	1	3
(E)MOP SINK	3	1	3
FILTERED EQUIPMENT	1	3	3
TOTAL WATER FIXTURE UNITS			18
SUPPLY PIPE SIZE = 1"			

BACK FLOW PREVENTER ASSEMBLY REQUIREMENTS		
TYPE OF EQUIPMENT ON SYSTEM	METHOD OF CROSS CONNECTION CONTROL	MANUFACTURER AND MODEL NUMBER
BEVERAGE EQUIPMENT/ICE MAKER	REDUCED PRESSURE ZONE ASSEMBLY	WATTS 009-QT-LF
DIP SINK FAUCET	REDUCED PRESSURE ZONE ASSEMBLY	WATTS 009-QT-LF
1. CONTRACTOR SHALL PROVIDE INDIVIDUAL BACKFLOW PREVENTERS FOR EACH PIECE OF EQUIPMENT. 2. EACH BACKFLOW PREVENTER MUST HAVE TESTING PORTS. 3. BRONZE BODIED BACKFLOW PREVENTERS ARE PERMISSIBLE IF ALLOWED BY LOCAL CODES.		

FORMULA FOR SIZING GREASE INTERCEPTORS									
INTERIOR/EXTERIOR IN-FLOOR GREASE INTERCEPTORS									
Length X Width X Depth/231= Gallons X .75 Fill Factor X Number of Compartments= Size of Grease Interceptor (GPM)									
Discharge from 3-Compartment Sink Compartment Deminions:									
18"	X	20"	X	12" /	231 =	20	X	.75 Fill Factor	X 3 Compartments = 42 GPM
GREASE WASTE SIZE: 3"									
FIXTURE	x	NUMBER OF FIXTURES	x	FIXTURE VALUE UNIT	TOTAL FIXTURES UNITS	/	2 DFU PER GPM	=	FLOW RATING GPM
* FLOOR FIXTURES	x	2	x	3	= 6	/	2	=	3
HAND SINKS	x	1	x	2	= 2	/	2	=	1
TOTAL REQUIRED FLOW RATING GPM							=	46 GPM	
* FLOOR SINKS RECEIVING DISCHARGE FROM COMPARTMENT SINK(S), NOT COUNTED. REFER TO VOLUME CALCULATION FOR SINKS IN THIS TABLE									

PLUMBING SYMBOLS LEGEND	
— G —	GAS PIPING
— CD —	CONDENSATE DRAIN PIPING
— - —	COLD WATER PIPING
— - - -	HOT WATER PIPING (140°)
— - - - -	HOT WATER RECIRCULATING PIPING
— SAN —	SANITARY WASTE PIPING
— FW —	FILTERED WATER PIPING
— 140° —	140° WATER PIPING
— GW —	GREASE WASTE PIPING
— - - - -	SANITARY VENT PIPING
VTR	VENT THROUGH ROOF
— DO —	PLUMBING TRAP
—>	PIPE TURNING DOWN
— O —	PIPE TURNING UP
— N —	CHECK VALVE
— U —	UNION
AFF	ABOVE FINISHED FLOOR
CO	CLEAN OUT
— V —	PRESSURE REGULATING VALVE (PRV) (50 PSI)
— B —	BALL VALVE
— Ø —	BALANCE VALVE
— EWF —	ELECTRIC WATER FOUNTAIN
GCO	GRADE CLEAN OUT
— V —	CIRCUIT BREAKER BALANCE VALVE
— P —	POINT OF CONNECTION
— B —	BELOW FLOOR
— C —	ABOVE CEILING
— PD —	PUMP DISCHARGE

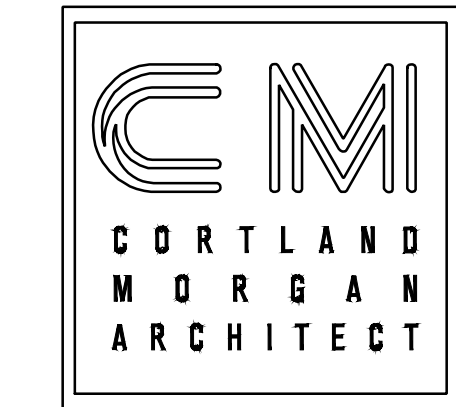


DATE:

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PH: (817) 635-5696
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AUNTIE ANNE'S/ROCKY MOUNTAIN
CHOCOLATE FACTORY
50B SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525



REVISIONS		
TAG	DATE	DESCRIPTION
△	09/14/21	PERMIT
△	10/20/21	COMMENTS

PLUMBING
SPECIFICATIONS
AND SCHEDULES

SHEET NUMBER

P1

PLUMBING GENERAL NOTES

- ANY CHANGES AND/OR UPGRADES TO TENANTS'S EXISTING PLUMBING SYSTEMS SHALL COMPLY WITH ALL CODES AND LANDLORD CRITERIA. AS WELL AS RULES AND REGULATIONS OF THE MALL. EXISTING SYSTEMS SHALL POSSESS THE CAPACITY TO HANDLE AND ALL CHANGES IN LOAD.
- ALL WATER LINES SHALL BE COPPER. PVC IS NOT PERMITTED.
- PLUMBING IS NOT PERMITTED IN ANY DEMISING PARTITIONS. FURR OUT THE WALL AS NECESSARY.
- ALL FLOOR DRAINS ARE REQUIRED TO HAVE TRAP PRIMERS.
- ANY UNUSED PLUMBING EQUIPMENT, PIPING, ETC. WITHIN OR SERVING THE PREMISES MUST BE COMPLETELY REMOVED TO POINT OF ORIGIN. DO NOT ABANDON IN PLACE.
- ALL FLOOR PENETRATIONS MUST BE CORE BORED, SLEEVED AND MADE WATERPROOF. SLEEVES MUST EXTEND A MINIMUM OF 4" AFF.
- ALL HOT AND COLD WATER LINES TO BE INSULATED.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SAN.	VENT	C.W.	H.W.	REMARKS
FS-1	FLOOR SINK JOSAM SERIES 49000	3"	2"	-	-	PROVIDE FLANGE WITH OPTIONAL 1/2 GRATE OR EQUIVALENT
FD-1	FLOOR DRAIN JR SMITH 2010-A	3"	2"	-	-	CAST IRON BODY, 7" DIAMETER STRAINER OF HEAVY DUTY NICKEL.
WB-1	WASHER BOX ZURN WM2961	3"	2"	1/2"	1/2"	SINGLE LEVER HANDLE VALVE
GI-1	GREASE INTERCEPTOR SCHIER GB-2 50 GPM RATED, 127.6LBS GREASE CAPACITY, INTEGRAL FLOW CONTROL	4"	2"	-	-	BELOW GRADE. COORDINATE EXACT LOCATION WITH LANDLORD.

EQUIPMENT SCHEDULE:

EQUIPMENT SCHEDULE (AUNTIE ANNE'S/ROCKY MOUNTAIN CHOCOLATE FACTORY)								
QTY	TAG	Description	Manufacturer	Model	SUPPLIED BY	INSTALLED BY	Comments	
1	6	SODA DISPENSER	LANCER	ICD-2300	COKE	COKE		
1	7	DIP SINK, CORIAN	SPROVERI	RS-1222 CUSTOM	T	GC		
1	7A	DIP SINK FAUCET	COMPONENT HARDWARE	KL64-9002-RE1	T	GC		
1	8	HOT WATER DISPENSER	BUNN	BUNN-O-MATIC H5E	ES	GC		
1	18	INFUSION BREWER, OPTIONAL	BUNN	ITCB-DV	COKE	COKE		
1	29	TEA/COFFEE BREWER	BUNN-O-MATIC	INFUSION	ES	GC		
1	42	ICE MACHINE, UNDER COUNTER	SCOTSMAN	CU3030	ES	GC		
1	43	HAND SINK	EAGLE	HSAN-10-F-LRS	ES	GC		
1	44	THREE COMP SINK	EXISTING	EXISTING	ES	GC		
1	47	HEIMOP SINK	EXISTING	EXISTING	ES	PLUMBER		
1	55	WATER FILTRATION SYSTEM	VIZION	VZN-421H	ES	GC		
1	70	WASHER/DRYER	SEE OWNER	SEE OWNER				
1	H18	HAND WASH SINK	JOHN BOOS OR EQ.	PB-SINK10140-P-SSLR-X				

PLUMBING KEYED NOTES

- ROUTE TO CONNECT TO EXISTING SANITARY PIPING IN SPACE. VERIFY EXACT SIZE, LOCATION, DIRECTION OF FLOW, AND INVERT IN FIELD PRIOR TO ANY WORK.
- COORDINATE INDIRECT WASTE WITH EQUIPMENT TO FLOOR SINK. PROVIDE CODE APPROVED 1" AIR GAP.
- EXISTING EQUIPMENT TO REMAIN.
- ROUTE VENT PIPING TO CONNECT TO EXISTING VENT THROUGH ROOF FOR SPACE. VERIFY EXACT SIZE AND LOCATION IN FIELD.
- PROVIDE LAWLER TMM1070 LF AT POINT OF USE MIXING VALVE AT FIXTURE. SET AT 110".
- ROUTE WATER SUPPLY TO CONNECT TO EXISTING WATER SUPPLY IN SPACE. VERIFY EXISTING SIZE AND LOCATIONS IN FIELD PRIOR TO WORK.
- EXISTING INDIRECT CONNECTION FROM 3-COMPARTMENT SINK TO BE ROUTED TO NEW GREASE INTERCEPTOR. ENSURE EXISTING INDIRECT CONNECTION HAS AT LEAST 1" AIR GAP.
- VENT PIPING BELOW GRADE.
- ROUTE NEW HOT WATER LINE TO EXISTING PLUMBING FIXTURE HOT WATER SUPPLY PIPING. VERIFY EXACT SIZE AND LOCATIONS IN FIELD PRIOR TO WORK.
- ROUTE NEW HOT WATER RECIRCULATION SYSTEM TO EXISTING HOT WATER HEATER. REUSE EXISTING WATER HEATER PLUMBING WHEREVER POSSIBLE.
- PROVIDE TACO 0010 RECIRCULATION PUMP AND COMPLETE RECIRCULATION SYSTEM ON EXISTING WATER HEATER INCLUDING TIMERS AND CONTROLS TO COMPLY WITH C404.6.3 AND C404.7 OF THE IECC.
- ROUTE NEW RECIRCULATION LINE AS CLOSE TO FIXTURE AS POSSIBLE.

1 WASTE PLUMBING PLAN

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

2 SUPPLY PLUMBING PLAN

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

3 DWV RISER

SCALE : NONE

4 SUPPLY RISER

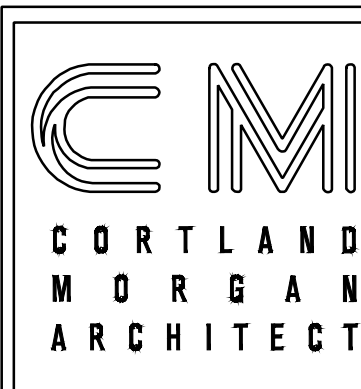
SCALE : NONE

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PLUMBING PLANS

SHEET NUMBER

P2

RMCF EQUIPMENT SCHEDULE												
ITEM	DESCRIPTION	VOLTAGE	PHASE	KW	H.P.	AMPS	CIRCUIT BREAKER SIZE (POLES)	WIRE SIZE	GND SIZE	CONDUIT SIZE	MTG HT	REMARKS
FW	COUNTERTOP FOOD PAN WARMER	120	1	—	—	6.7	20 1	(2)#12	12	3/4"		
MO	MICROWAVE OVEN	120	1	—	—	13	20 1	(2)#12	12	3/4"		
CHM	CHOCO VISION	120	1	—	—	7.0	20 1	(2)#12	12	3/4"		
CHE	CANDY MELTER STOVE (EXISTING)											
RDC	72" REFRIGERATED CHOCOLATE DISPLAY	120	1	—	—	8.0	20 1	(2)#12	12	3/4"		UNIT SHIPPED WITH 8' POWER CORD
UF	UNDERCOUNTER FREEZER	120	1	—	—	2.2	20 1	(2)#12	12	3/4"		
IS	INGREDIENTS SCALE	120	1	—	—	3.0	20 1	(2)#12	12	3/4"		

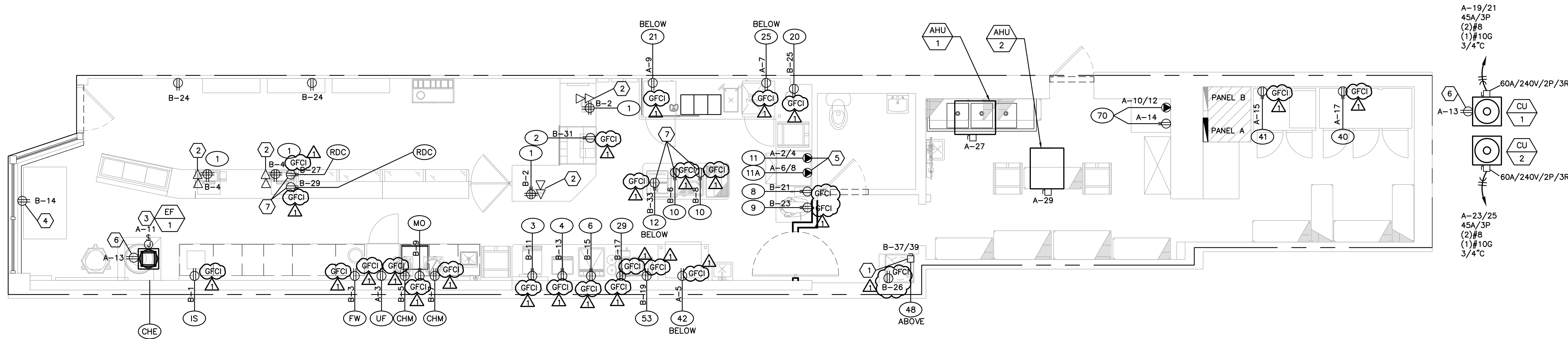
AUNTIE ANNE'S KITCHEN EQUIPMENT SCHEDULE												
ITEM NUMBER	DESCRIPTION	VOLTAGE	PHASE	KW	H.P.	AMPS	CIRCUIT BREAKER SIZE (POLES)	WIRE SIZE	GND SIZE	CONDUIT SIZE	MTG HT	REMARKS
1	CASH REGISTER (2)	120	1	—	—	6	20 1	(2)#12	12	3/4"		MOUNT IN COUNTER
2	ROUNDUP WARMER	120	1	1.8	—	15.5	20 1	(2)#12	12	3/4"	(8)	—
3	FROZEN DRINK DISPENSER	120	1	1.4	—	12	20 1	(2)#12	12	3/4"	(8)	—
4	LEMONADE DISPENSER	120	1	—	—	5.5	20 1	(2)#12	12	3/4"	(8)	—
6	COKE MACHINE DISPENSER	120	1	—	—	5.5	20 1	(2)#12	12	3/4"	(8)	—
8	HOT WATER DISPENSER	120	1	—	—	15	20 1	(2)#12	12	3/4"	(8)	—
9	MIXER	120	1	—	—	8	20 1	(2)#12	12	3/4"	(8)	—
10	FOOD WARMER (2)	120	1	—	—	10	20 1	(2)#12	12	3/4"	(8)	—
11	ELECTRIC OVEN	208	1	7.2	—	35	50 2	(2)#8	10	3/4"	+40"	—
11A	ELECTRIC OVEN	208	1	3.6	—	17.3	30 2	(2)#10	10	3/4"	(8)	—
12	MICROWAVE	120	1	1.0	—	—	20 1	(2)#12	12	3/4"	(8)	—
21	UC REFRIGERATOR	120	1	—	—	3.4	15 1	(2)#12	12	3/4"		—
20	HOT DOG WARMER	120	1	—	—	3	20 1	(2)#12	12	3/4"	+40"	—
25	UC FREEZER	120	1	—	—	3.4	15 1	(2)#12	12	3/4"		—
29	INFUSION TEA AND COFFEE BREWER	120	1	1.7	—	—	20 1	(2)#12	12	3/4"	(8)	—
40	THREE DOOR FRIDGE	120	1	—	—	8.4	20 1	(2)#12	12	3/4"		—
41	TWO DOOR FREEZER	120	1	1.34	—	11.2	20 1	(2)#12	12	3/4"		—
42	ICE MACHINE	120	1	1.2	—	—	15 1	(2)#12	12	3/4"		HACR BREAKER
48	WATER HEATER (EXISTING)											
53	BAG IN BOX	120	1	—	—	3	20 1	(2)#12	12	3/4"	+40"	—
70	WASHER	120/240	1	—	—	22	30 2	(3)#10	10	3/4"	+40"	NEMA L14—30R RECEPTACLE
	DRYER	120	1	—	—	10	20 1	(2)#12	12	3/4"	+40"	—

GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ELECTRICAL CODE AND ANY STATE/LOCAL CODES.
- ALL CONDUIT SHALL BE GALVANIZED RIGID HEAVY WALL STEEL OR EMT. SIZES SHALL BE DETERMINED PER N.E.C. WATERTIGHT FITTINGS SHALL BE PROVIDED AS REQUIRED BY CODE. EMT CONDUITS SHALL HAVE COMPRESSION FITTINGS. FLEXIBLE CONDUITS MAY BE USED FOR SHORT CONDITIONS TO VIBRATING EQUIPMENT, AND SHOWCASES, AS REQUIRED. 3/4 INCH SIZE MINIMUM.
- ALL ELECTRICAL EQUIPMENT SHALL BE RESTRAINED FOR SEISMIC FORCES IN ACCORDANCE WITH ALL BUILDING CODES.
- EXACT LOCATION, CUT-OUTS AND MOUNTING HEIGHTS FOR WIRING DEVICES IN CASEWORK SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO BID. NOTIFY OWNER OF ANY DISCREPANCIES. IF ACCEPTABLE TO OWNER'S REPRESENTATIVE, EXISTING EQUIPMENT MAY BE RE-USED. IF NOT ACCEPTABLE, FURNISH AND INSTALL NEW.
- ALL RECEPTACLES, DATA AND TELEPHONE OUTLETS ARE TO BE MOUNTED AT +18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
- PRIOR TO CONNECTION EC SHALL VERIFY THE VOLTAGE AND AMPERAGE REQUIREMENTS OF ALL EQUIPMENT DELIVERED TO THE SITE. EC SHALL NOTIFY OWNER OF ANY DIFFERENCE.
- EC TO VERIFY PLUG TYPE, AMPERAGE, VOLTAGE, AND LOCATION PRIOR TO BID AND ROUGH IN.
- ALL CIRCUITS SHALL INCLUDE EQUIPMENT GROUND SIZED PER NEC.
- ALL LIGHT FIXTURES LOCATED OVER FOOD STORAGE, SERVICE, PREPARATION AND DISPLAY FACILITIES MUST CONTAIN PROTECTIVE LENSES.
- EC TO VERIFY ALL POWER REQUIREMENTS WITH EQUIPMENT MANUFACTURER. PROVIDE HACR BREAKERS AS REQUIRED.

KITCHEN RECEPTACLE NOTES

- ALL KITCHEN SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL PER 2020 NEC SECTION 210.8 (B) (1)-(10).
- ALL GFCI RECEPTACLES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION OR A GFCI CIRCUIT BREAKER SHALL USED TO FEED THE CIRCUIT NOTED.
- ALL 125V, 15A AND 20A CIRCUITS TO KITCHEN EQUIPMENT SHALL BE FED WITH A DEDICATED NEUTRAL WIRE.



PLAN KEYED ELECTRICAL NOTES:

- EXISTING WATER HEATER TO REMAIN. EC TO VERIFY EXISTING DISCONNECT SWITCH, CONDUIT, AND CONDUCTORS ARE IN PROPER WORKING CONDITION. PROVIDE NEW WHERE REQUIRED.
- DUAL FEMALE CATEGORY 5 DATA JACK IN MILLWORK. VERIFY EXACT MOUNTING LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.
- EC TO PROVIDE 20A, 120V, NEMA 3R DISCONNECT SWITCH AT NEW ROOF MOUNTED EXHAUST FAN. ROUTE CIRCUIT THRU TIMECLOCK, SEE DETAIL 2 E2.
- EC TO PROVIDE DUPLEX RECEPTACLE MOUNTED ABOVE WINDOW HEADER PER CEC 210.62.
- EC TO COORDINATE WITH OVEN VENDOR FOR EXACT RECEPTACLE, CORD AND PLUG REQUIREMENTS FOR COMPLETE WORKING SYSTEM.
- EC TO PROVIDE WEATHER RESISTANT TYPE GFCI RECEPTACLE IN HEAVY DUTY WEATHERPROOF WHILE IN USE COVER AT HVAC EQUIPMENT. EC TO MAKE ALL FINAL ELECTRICAL CONNECTIONS, CIRCUIT AS SHOWN.
- VERIFY EXACT RECEPTACLE LOCATION WITH MILLWORK VENDOR.
- MOUNT RECEPTACLE ABOVE BACK SPLASH.
- MOUNT RECEPTACLE BELOW COUNTER.

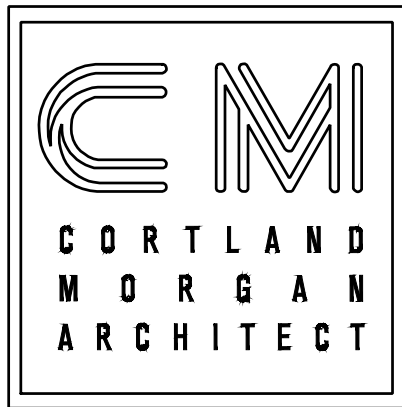
1 ELECTRICAL POWER PLAN
E1 SCALE: 1/4" = 1'-0"

DATE:

JOB NO:

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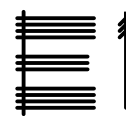
10/19/21

REVISIONS

TAG	DATE	DESCRIPTION
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△	10/20/21	COMMENTS

ELECTRICAL
POWER PLAN

SHEET NUMBER



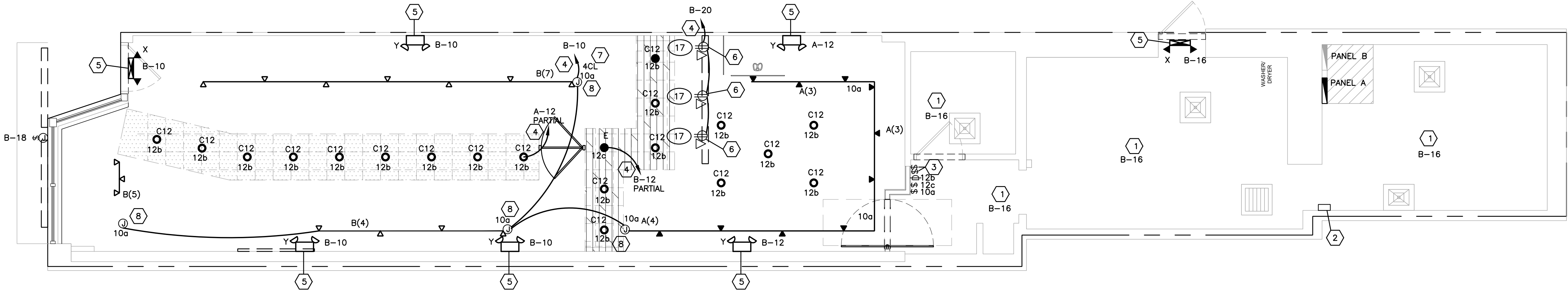
LIGHT FIXTURE SCHEDULE							
MARK	MFR.	STYLE/MODEL #	QTY	LAMPS	VOLTS	REMARKS	WATTS PER FIXTURE
A	NORA LIGHTING	NTE-875L94018W	10	LED	120	WHITE TRACK HEAD	15
B	NORA LIGHTING	NTE-875L94018B	14	LED	120	BLACK TRACK HEAD	15
C12	NORA LIGHTING	MARQUISE 6" - NHM2-615LE5 NRM2-611WW	19	LED	120	6" RECESSED CAN LIGHT FIXTURE	18
E	PABLO LIGHTING	SWELL WIDE	2	LED	120	PENDANT LIGHT. COORDINATE MOUNTING HEIGHT.	13
Y	NORA LIGHTING	NE-700LEDRCW	5	LED	120	WALL MOUNT EMERGENCY LIGHT	3
X	NORA LIGHTING	NEX-711-LED/R	2	LED	120	EXIT/EMERGENCY LIGHTING - WALL / CEILING MOUNT - WITH REMOTE HEADS & 90 MINUTE BATTERY BACKUP	2

GENERAL NOTES:

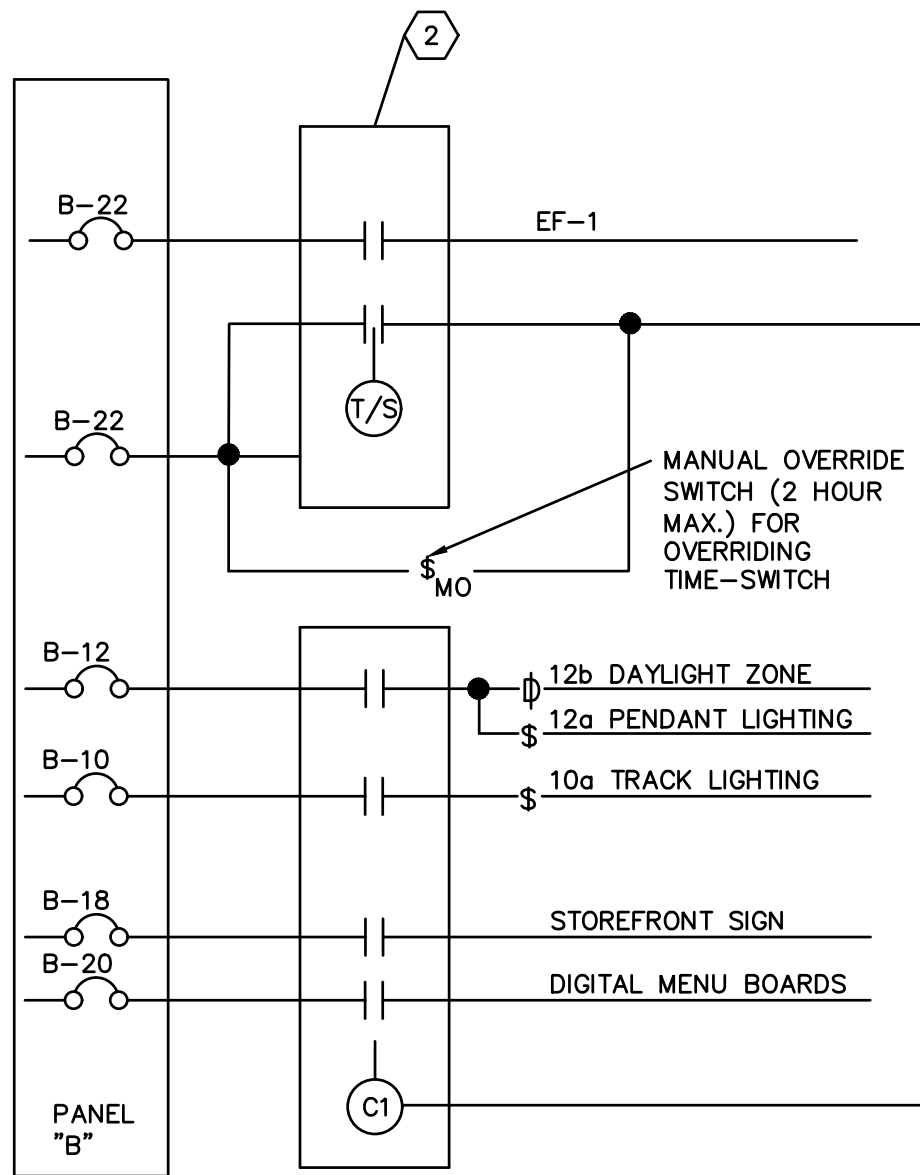
1. PLACEMENT OF LIGHT FIXTURES SHALL BE AS DIMENSIONED AND LOCATED IN THE ARCHITECTURAL DRAWINGS AND DETAILS.
2. LIGHT FIXTURES SHALL BE SUPPLIED AS SCHEDULED W/ NO EXCEPTIONS.
3. MINIMUM WIRE SIZE SHALL BE NO. 12 COPPER.
4. ALL LIGHTS IN FOOD AND BEVERAGE PREP AREA SHALL HAVE PROTECTIVE SHIELDS.
5. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO BID. NOTIFY OWNER OF ANY DISCREPANCIES. IF ACCEPTABLE TO OWNER'S REPRESENTATIVE, EXISTING EQUIPMENT MAY BE RE-USED. IF NOT ACCEPTABLE, FURNISH AND INSTALL NEW.

PLAN KEYED LIGHTING NOTES:

1. EXISTING LIGHT FIXTURES AND CONTROLS TO REMAIN.
2. EC TO PROVIDE INTERMATIC #ET2185C DIGITAL TIME SWITCH AND CONTACTORS AS REQUIRED TO CONTROL SIGNAGE, DIGITAL SCREENS, KIOSK LIGHTING.
3. EC TO MOUNT SWITCHES FOR ILLUMINATED SIGNS AND DIGITAL SCREENS AS SHOWN, VERIFY EXACT LOCATION WITH CONSTRUCTION MANAGER PRIOR TO ROUGH IN. PROVIDE LABEL ON EACH SWITCH.
4. EC TO ROUTE CIRCUIT THROUGH TIMESWITCH. SEE LIGHTING CONTROL DETAIL FOR ADDITIONAL INFORMATION.
5. CONNECT EXIT/EGRESS LIGHTING AHEAD OF ALL LIGHTING CONTROLS OF GENERAL LIGHTING CIRCUIT SERVING THIS AREA.
6. EC TO PROVIDE JUNCTION BOX IN ACCESSIBLE CONCEALED SPACE FOR DIGITAL MENU BOARDS. SEE ARCH. PLANS FOR SCREEN LOCATION TO DETERMINE CONDUIT RUN AND ROUTING. ALL OUTLET BOXES, CONDUIT, ETC. SHALL BE CONCEALED FROM VIEW. COORDINATE EXACT LOCATION WITH CONSTRUCTION MANAGER. CIRCUIT SHALL BE CONTROLLED BY TIME CLOCK.
7. EC TO PROVIDE COMPATIBLE CURRENT LIMITER WITH TRACK SIZE AS NOTED BY "#CL" WHERE "#" DETERMINES THE AMP RATING.
8. CONNECT TRACK TO EXISTING JUNCTION BOXES. VERIFY LOCATIONS IN FIELD.



1 ELECTRICAL LIGHTING PLAN
E2 SCALE: 1/4" = 1'-0"



2 LIGHTING CONTROL
E2 SCALE: NO SCALE

DATE: 08/09/2021
JOB NO:
DRAWN: LKM
CHECKED: DC



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ELECTRICAL
LIGHTING PLAN

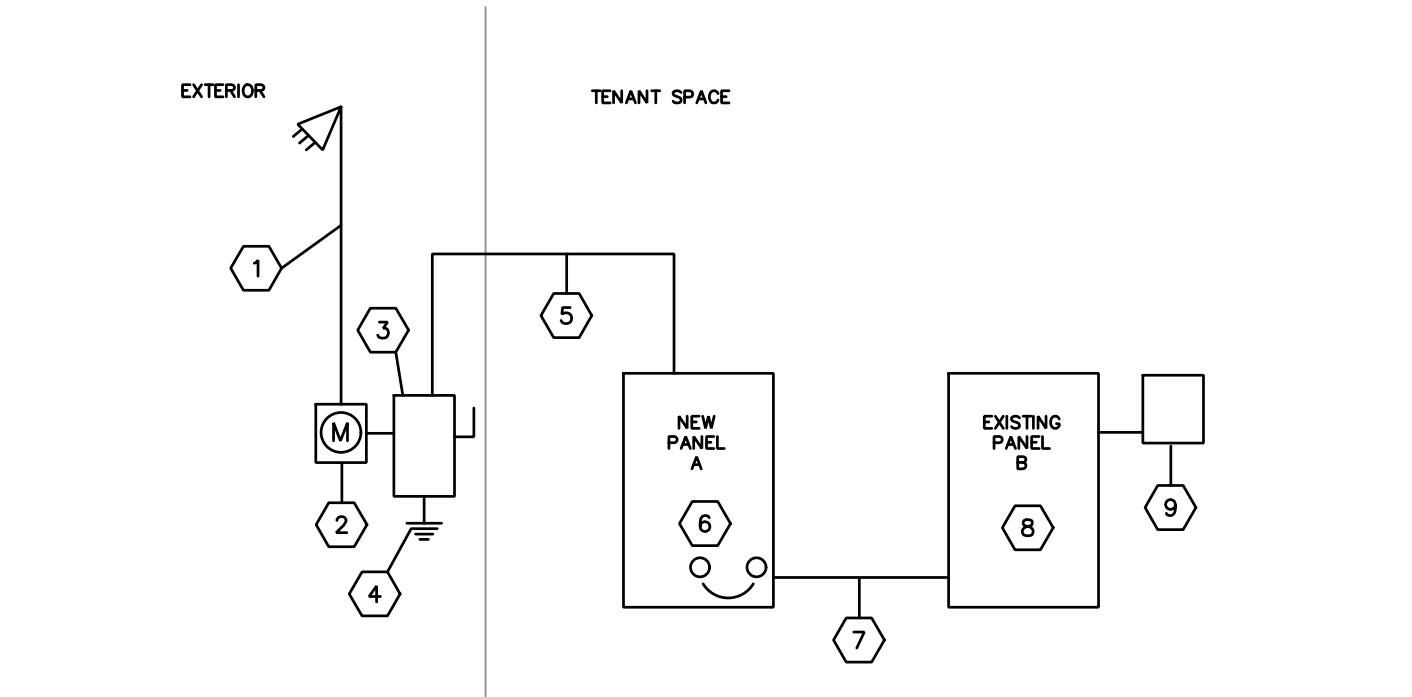
SHEET NUMBER

2

ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
WP	WEATHERPROOF
NL	NIGHT LIGHT (CONNECT TO UNSWITCHED LEG OF CIRCUIT NOTED)
GFI	GROUND FAULT CURRENT INTERRUPTER PROTECTED DEVICE
ST	SHUNT TRIP CIRCUIT
AFF	ABOVE FINISHED FLOOR
UNO	UNLESS NOTED OTHERWISE
TTB	TELEPHONE TERMINAL BOARD
PROVIDE	FURNISH AND INSTALL COMPLETE
LV	LOW VOLTAGE CABLE
Ⓢ	JUNCTION BOX, MOUNTING HEIGHT
Ⓢ	20A, 1P, 125V, GROUNDING TYPE DUPLEX RECEPTACLE (+18" AFF UNO)
Ⓢ	20A, 1P, 125V, GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE
Ⓢ	20A, 1P, 125V, GFCI TYPE DUPLEX RECEPTACLE
Ⓢ	SPECIAL USE RECEPTACLE, COORDINATE WITH EQUIPMENT SUPPLIER
Ⓢ	CEILING MOUNTED EXHAUST FAN WITH MANUAL DISCONNECT
Ⓢ	DISCONNECT SWITCH: 30 AMP, NON-FUSED, 3 POLE
Ⓢ	LIGHT SWITCH
Ⓢ	LIGHT SWITCH (3 WAY)
Ⓢ	LIGHT SWITCH (4 WAY)
Ⓢ	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH AT 3'-6" AFF TO CENTERLINE (WATT STOPPER #DW100-WH OR EQUAL)
Ⓢ	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH (WATT STOPPER #01-355 OR EQUAL)
Ⓢ	DIMMER SWITCH: LUTRON NOVA SERIES DIMMERS COMPATIBLE WITH LOW VOLTAGE LIGHTING FIXTURES AND RATED FOR LOAD NOTED IN PANEL SCHEDULE. REFER TO LOADS AT PANELBOARD SCHEDULE. MOUNTING HEIGHT AS INDICATED PER PLAN.
▷	COMMUNICATIONS JUNCTION BOX FOR DATA/COMM. DEVICE PLATE. EC TO ROUTE 3/4" CONDUIT WITH PULL STRING TO 6" ABOVE ACCESSIBLE CEILING AND BEND AT 90° TOWARDS TTB. EC TO PROVIDE PLASTIC BUSHING ON END OF CONDUIT.
⋈	CONDUIT RUN CONCEALED IN CEILING OR WALL. NUMBER OF HASH MARKS INDICATE NUMBER OF #12 WIRES WHEN MORE THAN TWO ARE REQUIRED UNLESS NOTED OTHERWISE. ALL CIRCUITS SHALL INCLUDE EQUIPMENT GROUND SIZED PER NEC. HASH MARK AHEAD OF NEUTRAL INDICATES UNSWITCHED LEG. CURLED HASH MARK INDICATES DEDICATED GROUND WIRE REQUIRED.
+12"	12" ABOVE FINISHED FLOOR TO CENTERLINE
■	PANELBOARD
F Ⓢ	LIGHTING FIXTURE SWITCHING DESIGNATION - LETTER 'F' INDICATES THE FIXTURE TYPE (SEE FIXTURE SCHEDULE) THE NUMBER 'S' INDICATES THE CIRCUIT IN THE PANEL NOTED AND THE LOWER CASE LETTER 'd' INDICATES THE SWITCH LEG TO CONNECT THE FIXTURE TO.

NEW PANEL BOARD A										SURFACE MOUNTED	
120/240VOLTS 1 PHASE 3 WIRE 400 AMP. BUS										22,000 A.I.C. RATED	
400 AMP. MAIN LUGS ONLY AND SUB FEED BREAKER										FED FROM DISC. SW.	
CKT. NO.	TRIP NO.	NO. AMPS	POLE	LOAD SERVED		LOAD— V. A.		LOAD SERVED		NO. POLE	TRIP NO.
				AØ	BØ						
1	20	1	---	---	---	---	---	ELECTRIC OVEN	(11)	2	50 2
3	20	1	UC FREEZER	(UF)	---	3600	240	---	---	4	---
5	15	1	ICE MACHINE	(42)	---	1200	---	ELECTRIC OVEN	(11A)	2	30 6
7	15	1	UC FREEZER	(25)	---	1800	410	---	---	8	---
9	15	1	UC REFRIGERATOR	(21)	---	410	1800	DRYER	(70)	2	30 10
11	20	1	EF-1	---	---	600	---	---	---	12	---
13	20	1	HVAC CONV REC.	---	---	180	2640	---	---	---	---
15	20	1	REACH IN FREEZER	(41)	---	1200	---	---	---	1	20 14
17	20	1	THREE DOOR FRIDGE	(40)	---	1344	---	---	---	1	20 16
19	45	2	CU-1	---	---	1010	---	---	---	1	20 18
21	---	---	---	---	---	3350	---	---	---	1	20 20
23	45	2	CU-2	---	---	---	---	---	---	1	20 22
25	---	---	---	---	---	3350	---	---	---	1	20 24
27	15	1	AHU-1	---	---	---	---	---	---	1	20 26
29	15	1	AHU-1	---	---	1236	---	---	---	1	20 28
31	20	1	---	---	---	---	---	---	---	1	20 30
33	20	1	---	---	---	---	---	---	---	1	20 32
35	20	1	---	---	---	---	---	---	---	1	20 34
37	20	1	---	---	---	---	---	---	---	1	20 36
39	20	1	---	---	---	---	---	---	---	1	20 38
41	20	1	---	---	---	---	---	---	---	1	20 40
43	20	1	---	---	---	---	---	---	---	1	20 42
14960 15925										2	150
34936 34495										PANEL B SUB FEED BREAKER	
LOAD DESCRIPTION										DEMAND FACTOR	
										D.F.	
										CONNECTED	
										DEMAND	
LIGHTING										1.25	3620
RECEPTACLES										N.E.C.	4525
MOTORS										N.E.C.	9700
MISC. EQUIPMENT										N.E.C.	5760
KITCHEN EQUIPMENT										0.65	34479
*HVAC EQUIPMENT										1.00	15872
TOTAL										---	58268
PANELBOARD LOAD =										58268 V.A.	
FULL LOAD AMPS =										242.8 A.	
LO PROVIDE LOCK-ON DEVICE										TS CIRCUIT VIA TIMESWITCH	
CL VIA TRACK CURRENT LIMITER										(SEE LIGHT FIXTURE SCHEDULE)	

EXISTING PANEL BOARD B										SURFACE MOUNTED	
120/240VOLTS 1 PHASE 3 WIRE 200 AMP. BUS										EXISTING A.I.C. RATED	
200 AMP. MAIN CIRCUIT BREAKER										FED FROM PANEL A	
CKT. NO.	TRIP NO.	NO. AMPS	POLE	LOAD SERVED		LOAD— V. A.		LOAD SERVED		NO. POLE	TRIP NO.
				AØ	BØ						
1	20	1	---	---	---	---	---	INGREDIENT SCALE	(IS)	1	20 2
3	20	1	FOOD WARMER	(FW)	---	360	720	POS STATION	(1)	1	20 4
5	20	1	CHOCOLATE MELTER	(CHM)	---	805	720	POS STATION	(1)	1	20 6
7	20	1	CHOCOLATE MELTER	(CHM)	---	840	1200	FOOD WARMER	(10)	1	20 8
9	20	1	MICROWAVE	(MO)	---	840	1200	FOOD WARMER	(10)	1	20 10
11	20	1	FROZEN DRINK DISPENSER	(3)	---	1560	720	FOH TRACK LIGHTING	---	1	20 12
13	20	1	LEMONADE DISPENSER	(4)	---	1400	200	FOH GENERAL LIGHTING	---	1	20 14
15	20	1	SODA MACHINE	(6)	---	660	180	SHOW WINDOW REC.	---	1	20 16
17	20	1	HOT WATER DISPENSER	(29)	---	660	1500	EXISTING BOH LIGHTING	---	1	20 18
19	20	1	BAG IN BOX	(53)	---	1700	1200	STOREFRONT SIGN	---	1	20 20
21	20	1	MIXER	(9)	---	360	800	MENU BOARDS	(17)	1	20 22
23	20	1	HOT WATER DISPENSER	(8)	---	600	200	TIMECLOCK	---	1	20 24
25	20	1	HOT DOG WARMER	(20)	---	1800	360	CONVENIENCE REC	---	1	20 26
27	20	1	REFRIGERATED DISP CASE	(RDC)	---	360	200	RECIRC PUMP	---	1	20 28
29	20	1	REFRIGERATED DISP CASE	(RDC)	---	960	---	---	---	1	20 30
31	20	1	ROUNDUP WARMER	(2)	---	1800	---	---	---	1	20 32
33	20	1	MICROWAVE	(12)	---	1000	---	---	---	1	20 34
35	20	1	SPARE	---	---	---	---	SPARE	---	2	60 36
37	30 2	---	WATER HEATER (EXISTING)	---	---	2880	---	---	---	1	20 38
39	---	---	---	---	---	2880	---	---	---	1	20 40
14960 15925										PANEL B SUB FEED BREAKER	
LOAD DESCRIPTION										DEMAND FACTOR	
										D.F.	
										CONNECTED	
										DEMAND	
LIGHTING										1.25	3620
RECEPTACLES										N.E.C.	4525
MOTORS										N.E.C.	9700
MISC. EQUIPMENT										N.E.C.	5760
KITCHEN EQUIPMENT										0.65	19085
*HVAC EQUIPMENT										1.00	12392
TOTAL										---	30885
PANELBOARD LOAD =										25117 V.A.	
FULL LOAD AMPS =										104.7 A.	
LO PROVIDE LOCK-ON DEVICE										TS CIRCUIT VIA TIMESWITCH	
CL VIA TRACK CURRENT LIMITER										(SEE LIGHT FIXTURE SCHEDULE)	



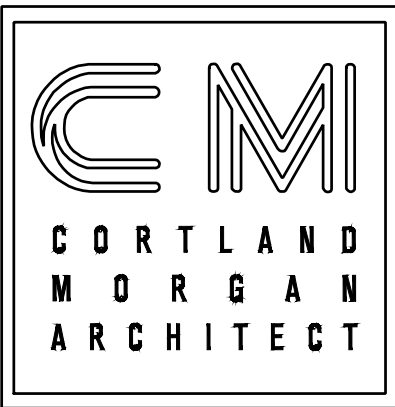
1 ELECTRICAL RISER DIAGRAM
E3 SCALE: NO SCALE

EC IS RESPONSIBLE FOR FIELD VERIFICATION OF SITE CONDITIONS AND REPORTING ANY DIFFERENCES OR DISCREPANCIES TO ELECTRICAL ENGINEER PRIOR TO BID. NO EXTRAS OR CHANGE ORDERS SHALL BE GIVEN FOR CONTRACTOR'S FAILURE TO VERIFY SITE CONDITIONS PRIOR TO BIDDING. UNLESS SPECIFICALLY DETERMINED IN THE LEASE, IT IS THE RESPONSIBILITY OF THE TENANT TO INSTALL A UTILITY OR SUB METER PER LANDLORD SPECIFICATIONS. ALL SUB METERS MUST BE FUNCTIONING PROPERLY BEFORE TENANT OPENS FOR BUSINESS. THE TOTAL TENANT CONNECTED LOAD CANNOT EXCEED THE LANDLORD SUPPLIED UTILITY.

RISER DIAGRAM KEYED NOTES:

- EC TO PROVIDE (3) 350MCM-CU FEEDERS IN 3" CONDUIT UP TO WEATHERHEAD AND TERMINATE AS DIRECTED BY LOCAL UTILITY. VERIFY EXACT LOCATION IN FIELD PRIOR TO BIDDING
- EC TO PROVIDE 320A, 120/240V, 1P, 3W ELECTRICAL METER SOCKET AT EXTERIOR OF BUILDING. EC TO ARRANGE FOR THE INSTALLATION OF PROPERLY SIZED METER WITH THE LOCAL UTILITY AND COORDINATE ALL WORK LANDLORD.
- EC TO PROVIDE 400A, 240V, 2P, SERVICE ENTRANCE RATED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND 300 AMP FUSES.
- EC TO PROVIDE #2-CU GROUNDING ELECTRODE CONDUCTOR PER NEC 250.50.
- EC TO PROVIDE (4)350MCM-CU AND (1) #4-CU GROUND IN 3" CONDUIT
- EC TO PROVIDE 400A, 120/240V, 1Ø, 3W, ELECTRICAL PANEL 'A' WITH MLO.
- EC TO PROVIDE (3)#3/0-CU AND (1)#6-CU GROUND IN 2" CONDUIT.
- EXISTING 200A, 120/240V, 1Ø, 3W, ELECTRICAL PANEL 'B' WITH 200A MCB TO REMAIN.
- EC TO PROVIDE NEW DIGITAL TIME CLOCK, SEE SHEET E2 FOR DETAILS.

DATE:
JOB NO:
DRAWN:
CHECKED:



711 N. FIELDER RD.
ARLINGTON, TX 76012
PH: (817) 635-5696
FAX: (817) 635-5699

AUNTIE ANNE'S/ROCKY MOUNTAIN
CHOCOLATE FACTORY
50B SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525



10/19/21

REVISIONS		
TAG	DATE	DESCRIPTION
△	09/14/21	PERMIT
△	10/20/21	COMMENTS

ELECTRICAL
PANEL
SCHEDULE &
RISER

SHEET NUMBER

3

Note Manufacturers' names on which the specification is based indicate the minimum quality of product required. Substitution may be made to those specified if deemed equivalent by the owner's representative. All work and products shall meet the requirements of the landlord.

1. The general conditions and supplementary general conditions shall be considered as part of this specification.
2. Contractors shall visit site prior to bidding. Bids shall serve as evidence of knowledge of existing conditions. Field verify Landlord's electrical and telephone equipment and distance from leased space.

3. Furnish all labor, materials, equipment and tools to perform electrical work shown, noted or scheduled for a complete and finished installation.

All materials and equipment shall be commercial grade and shall carry a U.L. label.

Materials, products and equipment, including components thereof shall be new and such as appears on the Underwriter's Laboratory list of approved items and shall meet the requirements of recognized standards.

Equipment shall be sized in conformity with requirements of the National Electrical Code (NEC) and other applicable codes.

4. The word "provide" as used herein means to furnish and install complete.
5. All work to be in accordance with NEC and all applicable federal, state, and local codes.
6. Secure and pay for all required permits and inspection certificates.

7. Submit material lists and shop drawings for major equipment to the architect for approval. Submittals shall be in accordance with general conditions and shall bear the stamp of the electrical contractor showing that he has reviewed and approved them. Lack of such contractor's approval will be cause for rejection without review by the architect.

8. Scope of work:

Provide electrical service to space per drawings and landlords requirements.

Install new lighting fixtures, per schedule.

New receptacles as indicated.

If applicable, circuiting of relocated panel(s). Provide new circuit breakers as required. Relocate transformer.

Provide telephone service and telephone system raceway and junction boxes. All telephone system wiring and devices within tenant space furnished and installed by Electrical Contractor.

Testing of all cables and circuit wiring after installation.

Testing of all electrical equipment.

Provision for temporary construction power.

Warranty of all work for a period of one year from date of project close-out.

9. Conduit shall be standard steel, rigid IMC or EMT (thin wall). Conduit shall be concealed in finished areas. Except as otherwise approved by Landlord's representative. EMT connections shall be compression type.

Minimum sizes of conduit shall be 3/4" except 1/2" for switch legs. EMT shall be galvanized or electro-galvanized. EMT shall be used for feeders and branch circuits run above suspended ceilings or concealed in interior partitions. EMT shall not be concealed in poured concrete floor or walls.

Use heavy wall conduit or IMC for under slab installations. IMC is permitted with screw connections.

Flexible metal conduit may be used only for short connections to fixtures and equipment, as permitted by code. Maximum length 5'-0".

10. All conductors shall be soft drawn, annealed copper, with 600V insulation:

#10 and smaller- solid with single braid.

#8 and larger- stranded with at least double braid.

All wiring to be 2 #12, unless otherwise noted. #14 may be used for control applications. All low voltage wiring not required to be in conduit shall be fire retardant plenum rated.

All wire and cable shall be new and shall be brought to the site in unbroken packages.

General wiring shall have THW, THHN, or THWN insulation.

Aluminum conductors are not permitted.

Wire connectors shall be equal to Scotchlock for #8 and smaller, and T&B "Lock-Tite" for #6 and larger.

Wires shall be color coded and followed throughout for feeders and branch circuits and used as a basis for balancing loads:

Use 10 Awg (minimum) conductors for 20 ampere, 120 volt branch circuits longer than 75 feet.

Use 10 Awg (minimum) conductors for 20 ampere, 277 volt branch circuits longer than 150 feet.

120/208 Y VOLTS		277/480 Y VOLTS	
PHASE	COLOR	PHASE	COLOR
A	BLACK	A	BROWN
B	RED	B	ORANGE
C	BLUE	C	YELLOW
NEUTRAL	WHITE	NEUTRAL	WHITE W/TRACER OR GRAY
GROUND	GREEN	GROUND	GREEN

11. Boxes and fittings:

Boxes and fittings shall be new, top quality and located where required to install the conductors in compliance with the prevailing codes. Approved manufactures are: STEEL CITY, RACO or APPLETON.

Sheet metal boxes: NEMA OS 1.

Cast metal boxes: NEMA FB 1, type FS or FD, cast ferroalloy box with gasketed cover.

Boxes in fire-rated walls shall have a fire rating equal to or greater than the rating of the wall.

12. Wiring Devices:

Wall switches, single pole, double pole, and three way shall be spec. grade, 20A, 120/277V, with screw terminals, equal to Hubbell #HBL1221. manufacturer shall be Hubbell, Bryant, Pass and Seymour or Leviton.

General duty duplex receptacles shall be 2-pole, 3-wire grounding type, commercial grade, 20A, 125V equal to Hubbell #5362. Manufacturers shall be Hubbell, Bryant, Pass and Seymour, or Leviton.

Ground fault interrupter receptacle shall be, new brushed aluminum with gray duplex receptacles, feed-through type, capable of protecting connected downstream receptacles on a single circuit, 20A, 120V, 60 HZ; with solid-state ground fault sensing and signaling; with 5 milliamperes ground-fault trip level equal to Hubbell #GF5362. Approved Manufacturers shall be Hubbell, Bryant, Pass and Seymour, or Leviton.

Weatherproof receptacle cover shall be Hubbell #WPB26MP. Approved Manufacturers shall be Hubbell, Bryant, Pass and Seymour, or Leviton.

Dedicated duplex receptacles shall be 2-pole, 3-wire grounding type, red, commercial grade, 20A, 125V equal to Hubbell #5362-R. Manufacturers shall be Hubbell, Bryant, Pass and Seymour, or Leviton.

Wiring device accessories including all wall plates shall be provided at each device. Wall plates shall be same color as device and manufactured as a companion to the device. All wiring devices shall be new brushed aluminum with gray device, unless otherwise noted.

Mounting heights of devices shall be to the following centerlines, unless otherwise noted:

Toggle switches	4'-0"
Receptacles	1'-6"
Telephone outlets	4'-6"
Disconnect switches (TOP)	5'-6"
Panelboards (TOP)	6'-0"

13. Grounding system: This contractor shall provide, install, and connect a complete system of grounding for all equipment and structures. Mechanical and electrical connection shall be made with approved grounding connectors.

Electrical system and equipment grounds shall comply with all local, state, and NEC codes and regulations.

Panels, conduit systems, motor frames, lighting fixtures and other equipment that are a part of this installation shall be securely grounded.

Main grounding system shall be sized to confirm with section 250 of the NEC. Provide conduit to protect ground wire from damage to an area 6'-0" above floor.

Ground all 3 wire receptacles to the outlet boxes.

Ground conductor shall be supplied in all non-metallic conduit.

14. Panelboards: Panelboards shall be dead front and consist of cabinets, interiors, bus, main and branch circuit protective devices, main lugs, and all necessary equipment for a complete panelboard. Detailed characteristics such as number of branches, frame or ampere rating, trip, bus size, type mounting or voltage ratings, shall be as shown on the drawings.

Cabinet shall be fabricated of code gauge, hot galvanized steel with adequate gutters. Joints shall be welded and reinforced where required. The outside of surface mounted cabinets shall be finished with one coat of zinc chromate primer and at least one coat of gray enamel. Load center type panelboards are not acceptable.

Trim and panelboard front shall be made of cold-rolled steel of code gauge steel. Trim shall have doors with concealed hinges and have a flush type combination lock and catch or a multiple point contact catch. Each lock shall be provided with two keys. All panelboards shall be keyed alike. Furnish and install a typed index identifying the panelboard and indicating the circuit number with the description or function of the associated branch circuit. Index shall be mounted under a clear glass or plastic protective cover. Trim shall be cleaned, and given a prime coat of paint and at least one finished coat of gray enamel.

All lugs shall be of the solderless type and rated for minimum 75 degrees.

All panelboards shall have engraved nameplates identifying panelboards as indicated by Owner. All panelboard switches and circuit breakers shall be labeled as directed by Owner.

277/480 volt panels shall be equal to Square D type NF with type EDB (25000 AIC) bolt-on circuit breakers unless noted otherwise.

120/208 volt panels shall be equal to Square D type NQOD with type Q0-VH (22000 AIC) bolt-on circuit breakers unless noted otherwise.

15. Work in electrical panel shall include:

Check and tighten all connections and wiring.

Verify operation of all breakers.

New circuit breakers shall be quick-make, quick-break, trip indicating type and ambient compensating. Circuit breakers shall be bolt on type, minimum interrupting shall be as noted on panel schedule.

Breakers serving lighting circuits shall be rated for switch service. Breakers serving HVAC equipment shall be HACR rated.

Provide "Lock-on" device at breakers serving cash register, night light/emergency, fire alarm equipment and time switch circuits, as indicated on the panel schedule.

Provide new panel directory, typed and installed behind clear plastic cover on inside of the door.

Panel shall be circuited so that the load is distributed evenly across all three phases to within 10% per NEC.

16. Safety and disconnect switches: Provide safety and disconnect switches, fused or non-fused, as called for on drawing and as required by code. Switches shall be heavy duty, load and horsepower rated. Square D type H. Switch enclosure to be suitable for application.

17. Fuses: Cartridge fuses shall be one time Bussmann "Fusetron", "Low-peak", or "Hi-cap", sized according to the load or as indicated on the drawings.

Provide fuses in all switches requiring them. In addition, furnish to the Owner one set of each size and type fuse on the job.

18. Dry type transformers: Transformers shall be of KVA rating as noted on the drawings, 2 winding, dry type, 3 phase, with six 2-1/2% taps, 2 above and 4 below normal primary voltage. Furnish and install transformer with Class H insulation, 150 degree C rise above 30 degree C ambient, and to conform to NEMA specifications and requirements for application intended. Transformer shall be NEMA type 1, quiet type with core and coils isolated from the case by vibration dampers. Transformers shall be Square D type DOE 2016, as manufactured by Squire D, General Electric, or equal.

19. Seismic restrains on electrical equipment: All electrical equipment shall be provided with seismic restraining services as required by local building Codes. Contractor shall have local building office review each piece of equipment when installed and the Contractor shall install all required tie down, anchors, straps or other devices required.

20. Telephone system: Make arrangements with the local utility for installation of telephone service.

Conduit system for telephone distribution within tenants premises shall be provided as required by code or as indicated on the drawings. Telephone rough-in outlet boxes shall be 4" square minimum with single device cover and telephone plate.

21. This contractor shall make arrangements for temporary power and shall pay the cost for the utility connection and shall be responsible for the proper maintenance of the temporary work and for the removal of same.

Contractor shall pay all utility charges in connection with the temporary power.

Contractor shall provide ground fault protection for all equipment used on the premises during construction.

22. This contractor shall do all cutting, chasing, or channeling and patching required for any work herein specified. Any cutting shall have prior approval by the landlord.

Contractor is responsible to take whatever measures are necessary including but not limited to those measures prescribed by the landlord in the exercise of its reasonable judgment to assure that core-boring will not damage landlord's structure, conduits, etc. or the work of other tenant's below. The cost of such tests or repair of any damage will be borne by this contractor.

All sleeved, openings, etc. through fire rated walls and floors shall be sealed after conduit installation with sealer equal to or exceeding fire rating of floor or wall.

23. All electrical work shall be installed so as to be readily accessible for operating, servicing, maintaining and repair.

Hangers shall include all miscellaneous steel, such as channels, rods, etc., necessary for the installation of work and shall be subject to the building structure, not to piping or ductwork.

All conduit shall be concealed where possible. Exposed conduit shall be run in straight lines parallel with or at right angles to column lines and separated at least 3" from water lines wherever they run along side or across suck lines.

24. Lighting Fixtures: The contractor shall install a new lighting fixture of the type specified for each lighting outlet shown with complete lamps or tubes. All fixtures shall be hung and mounted in place, properly wired, tested and left ready for operation.

Note: This contractor shall refer to architectural reflected ceiling plan, for fixture schedule and shall install fixtures as dimensioned on that plan.

Refer to the light fixture schedule on Electrical drawings.

The contractor shall survey the shipment to verify fixture quantities and damages. In the event that shipment is incomplete or damaged, contractor shall inform Owner.

After the shipment is verified and accepted, contractor shall move fixture to an area of safety for storage until they may be installed. He assumes responsibility for the fixtures until the project is turned over to the owner.

25. Painting of electrical conduits, etc., if required, will be by general contractor.

26. Electrical contractor shall record all field changes in his work as the job progresses, and upon completion shall turn over to the tenant a record set of prints showing these changes.

27. At the completion of job, contractor shall replace any lamps that have burned out, new and existing, clean all fixtures, touch up any scratches and replace any fixtures that have been damaged.

28. Guarantee:

Materials, equipment and installation shall be guaranteed for a period of one year from the date of acceptance. Defects which appear during that period shall be corrected at this contractor's expense.

For the same period, electrical contractor shall be responsible for any damage to the premises caused by defects in workmanship or in the work or equipment furnished and/or installed by him.

29. It is the intent that the foregoing work shall be complete in every respect and that any material or work not specifically mentioned or shown on the drawings, but necessary to fully complete the work shall be furnished.

30. The location of receptacles and fixtures shown on the drawing is approximate and the owner shall have the right to relocate any receptacles or fixtures before they are installed without additional cost.

31. Electrical contractor is responsible for obtaining all permits and approvals and paying all fees, permits and inspections necessary for the performance of the work and for adherence to the Local and National Electrical Code and to Landlord Requirements.

32. The installing contractor providing this work shall be a firm licensed for this type of work and shall provide copies of electrical licenses, business licenses, bonding limits, and insurance coverage. The contractor's field personnel shall be under the direct supervision of a licensed electrician(s). At least one responsible supervising licensed electrician shall be on-site when any electrical work is being performed.

33. Electrical contractor shall furnish and install all labor and materials for a complete installation including connecting and wiring to all fixtures and equipment. Provide submittals and shop drawings on all items. Prior approval is required for any substitutions. Coordinate with other trades. Provide guarantee for one year, plus extended manufacturer's warranties. Provide as-built reproducible record documents, complete maintenance and service manuals. Provide training of tenant's personnel.

34. All material shall be new and currently manufactured. All material shall be U.L. labeled and meet all industry standards. Provide engraved nameplate on all equipment. provide where indicated, 3/4" thick A/D fire retardant grade backboards. Provide all support hardware and systems for electrical work. Paint all electrical material exposed to exterior. Color code all electrical materials and system in accordance with Landlord's Handbook. Fire/smoke seal each penetration of any rated barrier (floor, wall, etc.).

35. Electrical Subcontractor shall Verify in Field the actual conditions prior to commencement, and immediately advise the Architect of any discrepancies. Maintain continuity of all existing systems. Provide for removal or reconnection to existing systems. Provide 72-hour advance notice (min.) of any power interruptions. Power interruptions of two or more hours shall be at nights or weekends. Removed materials shall become property of contractor, unless noted otherwise.

36. All wiring for power and systems shall be conductors in EMT or rigid conduit. All wiring shall be concealed, i.e., above ceiling, in walls, in slab, or underground. Exposed wiring shall be in conduit and shall be routed as high as possible and parallel or perpendicular to structural elements. Exposed wiring in finished areas and for exterior locations shall be in conduit. Any wiring in-slab or in earth shall be in conduit. Provide boxes for all connections, devices, systems, etc. Coordinate box sizes with structure to which secured. Coordinate the exact final box location with the architectural/interior drawings prior to rough-in of box.

37. Flexible conduit may be used for final connections from outlet boxes to light fixtures, motors, appliances, etc., maximum length 6 feet.

38. PVC conduit and fittings shall be utilized in slabs on grade and in earth. Conduits in earth (min. 24" cover). All fittings, boxes, etc. shall be of compatible material and connected with solvent bond. Minimum conduit size shall be 3/4". Combustible materials are not permitted in plenum space.

39. Provide conductors for all circuiting, wiring and systems. Each conductor shall be properly phased and color coded. Each circuit labeled on the conductor and at each box. Utilize conductors and connectors as follows:

Minimum wire size to be #12 AWG
#10 and smaller - solid copper THHN/THWN.
#6 & #8 - stranded copper THHN/THWN .
Aluminum (AL) is not permitted.
Twist on type for #8 and smaller copper conductors.
Set screw/bolted type for #4 and larger copper conductors.
Completely insulate each connection, splice adn termination.
Minimum conduit size to be 3/4".

40. All receptacle and telephone plates shall be new brushed finish aluminum with gray devices unless otherwise specified. Mounting heights are noted above concrete floor. Provide wiring devices complete with all hardware and cover plates. Each device located in damp or wet locations shall have a weatherproof cover. Each device shall be grounded to box by green ground wire pigtail. Provide dedicated devices for all equipment, items, and appliances.

41. All circuit breakers used to switch lighting circuits shall be "SWD" rated.

42. Route circuits noted through a Tork #W400 7-day time clock or approved equal (120V). Pins on time clock to be set by Electrical Contractor per Tenant's instructions. Instruct store manager regarding time clock operating procedures.

43. Provide electrical conduit, J-boxes, hardwiring, and/or plugs and receptacles as required to tenant's equipment. Verify requirements for each oven and yogurt or custard machine.

44. Provide circuit breaker locks for circuits so noted, including refrigerator, time clocks, emergency lighting, etc.

45. Electrical Contractor shall make all final connections to the storefront logo signs and neon via time clock.

46. Electrical Contractor shall balance phase loads so the they are as close to equal as possible, and in accordance with he NEC. Schedule is included for general information only, and not for specific circuitry.

47. Electrical panel schedules shall be clearly labeled (typewritten only).

48. Exit and emergency lighting shall be per requirements of local governing codes.

49. Battery packs for exit and emergency lights must be remote or recessed. Paint exposed surfaces to match adjacent finish in public areas or in view.

50. Provide Telephone Service to the premises. Provide backboard and 3/4" conduit to telephone service entrance via Landlord's raceway stub-in sleeve. Coordinate installation with local Telephone Company.

DATE:

JOB NO:

DRAWN: LKM

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C

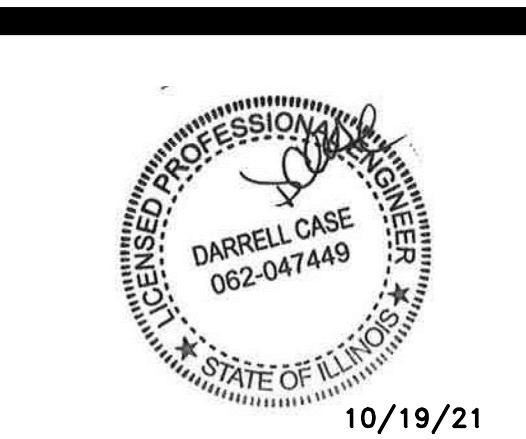
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AUNTIE ANNE'S/ROCKY MOUNTAIN
CHOCOLATE FACTORY

50B SOUTH LA GRANGE ROAD
LA GRANGE, IL 60525



10/19/21

REVISIONS		
TAG	DATE	DESCRIPTION
△	09/14/21	PERMIT
△	10/20/21	COMMENTS