

1836 REPUBLIC BAR & GRILL

27252 Katy Fwy, SUITE 1000, Katy, TX 77494

FOR PERMIT - 10/28/2022

PROJECT INFORMATION

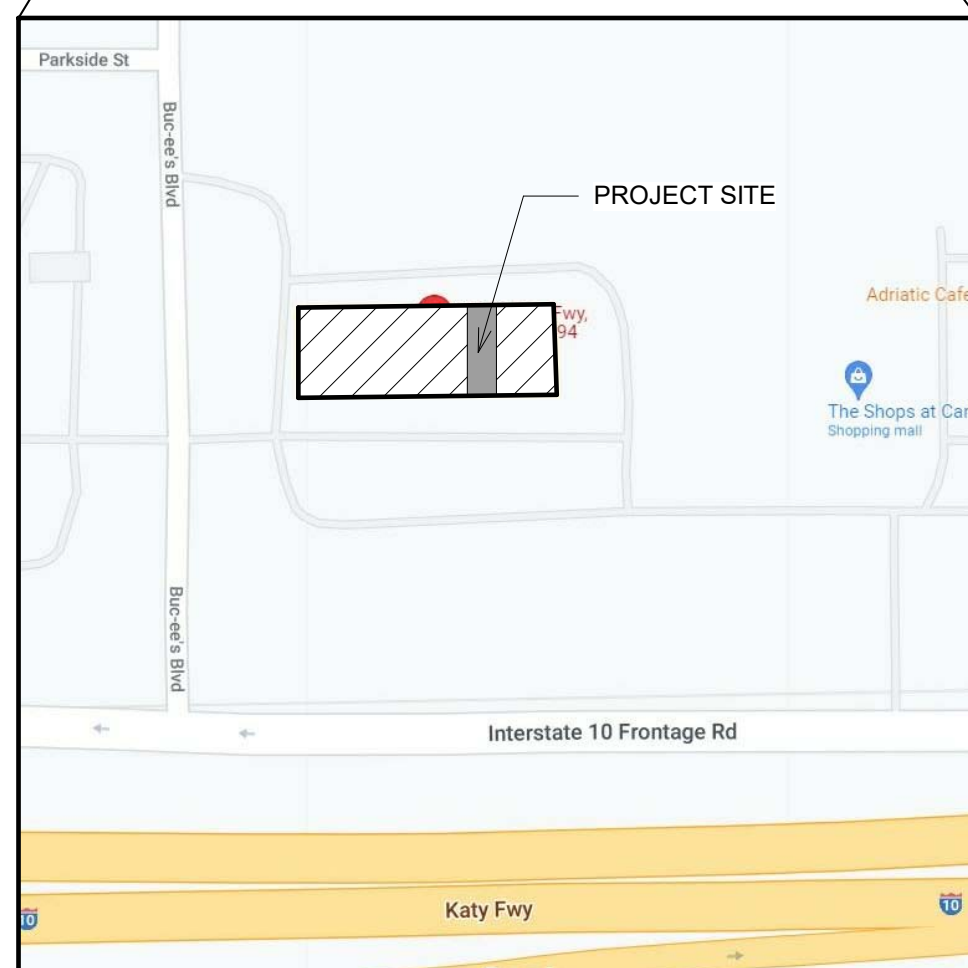
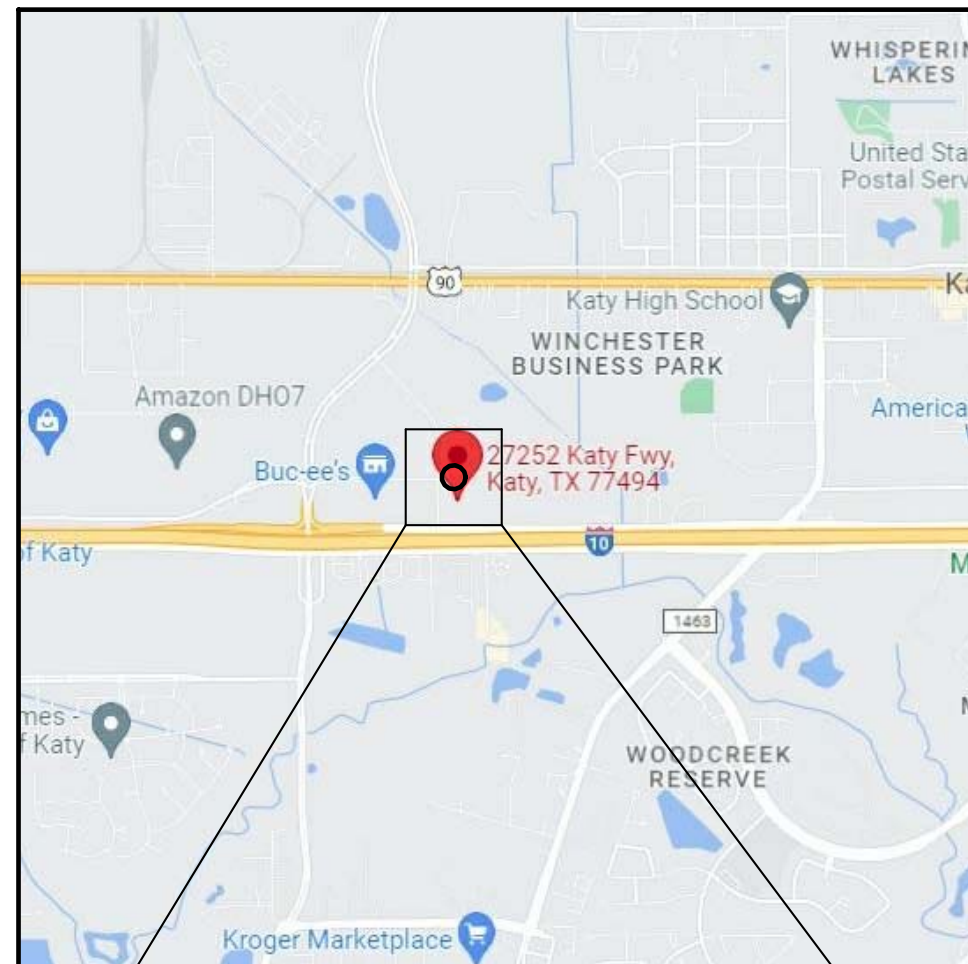
PROJECT DESCRIPTION

PROJECT SCOPE CONSISTS OF CONVERSION OF AN EXISTING RETAIL LEASE SPACE INTO A RESTAURANT. WORK INCLUDES, BUT IS NOT LIMITED TO: FRAMING, DRYWALL, MILLWORK, KITCHEN EQUIPMENT, PAINT, LIGHTING, ELECTRICAL, HVAC, AND PLUMBING.

LEGAL DESCRIPTION

PROJECT LOCATION

CITY: KATY
COUNTY: FORT BEND
KEY MAP: A-369



CODE INFORMATION

APPLICABLE CODES

THIS PROJECT SCOPE SHALL BE GOVERNED BY:

- 2015 INTERNATIONAL BUILDING CODE WITH CITY OF HOUSTON AMENDMENTS
- 2015 INTERNATIONAL FIRE CODE WITH CITY OF HOUSTON AMENDMENTS
- 2015 MECHANICAL CODE WITH CITY OF HOUSTON AMENDMENTS
- 2015 PLUMBING CODE WITH CITY OF HOUSTON AMENDMENTS
- 2020 NATIONAL ELECTRICAL CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH CITY OF HOUSTON AMENDMENTS
- ASHRAE 90.1-2013 WITH CITY OF HOUSTON AMENDMENTS

OCCUPANCY CLASSIFICATIONS IBC 302

A-2 RESTAURANT

ALLOWABLE BUILDING AREA IBC 503

FLOOR	OCCUPANCY	ALLOWABLE AREA	PROVIDED AREA
1ST	RESTAURANT	38,000 S.F.	1949 S.F.

ALLOWABLE BUILDING HEIGHT IBC 503

DESCRIPTION	ALLOWABLE HEIGHT	PROVIDED HEIGHT
BUILDING HEIGHT IN FEET	75'-0"	25'-5"
BUILDING HEIGHT IN STORIES	3	1

CONSTRUCTION TYPE IBC 601

II-B

FIRE-RESISTANCE RATING REQUIRED FOR BUILDING ELEMENTS IBC 601

BUILDING ELEMENT	RATING REQUIRED	PROVIDED
STRUCTURAL FRAME	- HR.	- HR.
BEARING WALLS		
EXTERIOR	- HR.	- HR.
INTERIOR	- HR.	- HR.
NONBEARING WALLS AND PARTITIONS		
EXTERIOR	SEE SECTION 602	
NONBEARING WALLS AND PARTITIONS		
INTERIOR	1 HR.	1 HR.
FLOOR CONSTRUCTION	- HR.	- HR.
ROOF CONSTRUCTION	- HR.	- HR.

PLUMBING FIXTURES REQUIREMENTS

IBC 2902.1

OCCUPANCY		OCCUPANCY	WATER CLOSETS		RATIO	LAVATORIES		RATIO	DRINKING FOUNTAINS		RATIO	SERVICE SINKS	
			REQUIRED	PROVIDED		REQUIRED	PROVIDED		REQUIRED	PROVIDED		REQUIRED	PROVIDED
RESTAURANT	MALE	43	1:75	1	1	1:200	1	1				1	1
	FEMALE	44	1:75	1	1	1:200	1	1				1	1
TOTAL		87		2	2		2	2					

** IBC TABLE 2902.1 HOUSTON AMENDMENTS

1) BUILDINGS WHERE WATER IS SERVED FROM BOTTLED WATER COOLERS OR BUILDINGS HAVING AN OCCUPANT LOAD OF LESS THAN 30 SHALL NOT BE REQUIRED TO PROVIDE DRINKING FOUNTAINS.

AUTOMATIC SPRINKLER SYSTEM(S) IBC 903.2

EXISTING SPRINKLER

BUILDING OCCUPANT LOAD IBC 1004.1.2

OCCUPANCY RESTURANT	AREA (GFA)	S.F./OCCUPANT	TOTAL OCCUPANTS
DINING (W/O FIXED SEATING)	512.7 SF	15 NET	35 PERSONS
KITCHEN & SER. COUNTER	893.25 SF	200 GROSS	5 PERSONS

DINING BOOTHS (FIXED SEATING)	480 IN	24 IN/OCCUP	20 PERSONS
BAR SEATING	445 IN	18 IN/OCCUP	25 PERSONS

HANDICAP SEATING	2 PERSONS
TOTAL	87 PERSONS

MINIMUM EGRESS WIDTH IBC 1005.3

FLOOR & OCCUPANCY	NUMBER OF OCCUPANTS	EGRESS COMPONENT	INCHES PER OCCUPANTS	WIDTH REQUIRED	WIDTH PROVIDED
1ST FLOOR	87	DOOR	0.2"	17.4"	108"

EXIT ACCESS DOORWAY ARRANGMENT IBC 1015.2

OCCUPANCY	MIN. DISTANCE	DISTANCE PROVIDED
A-2 RESTURANT	38'-1"	76'-2"

ALLOWABLE TRAVEL DISTANCE IBC 1016.1

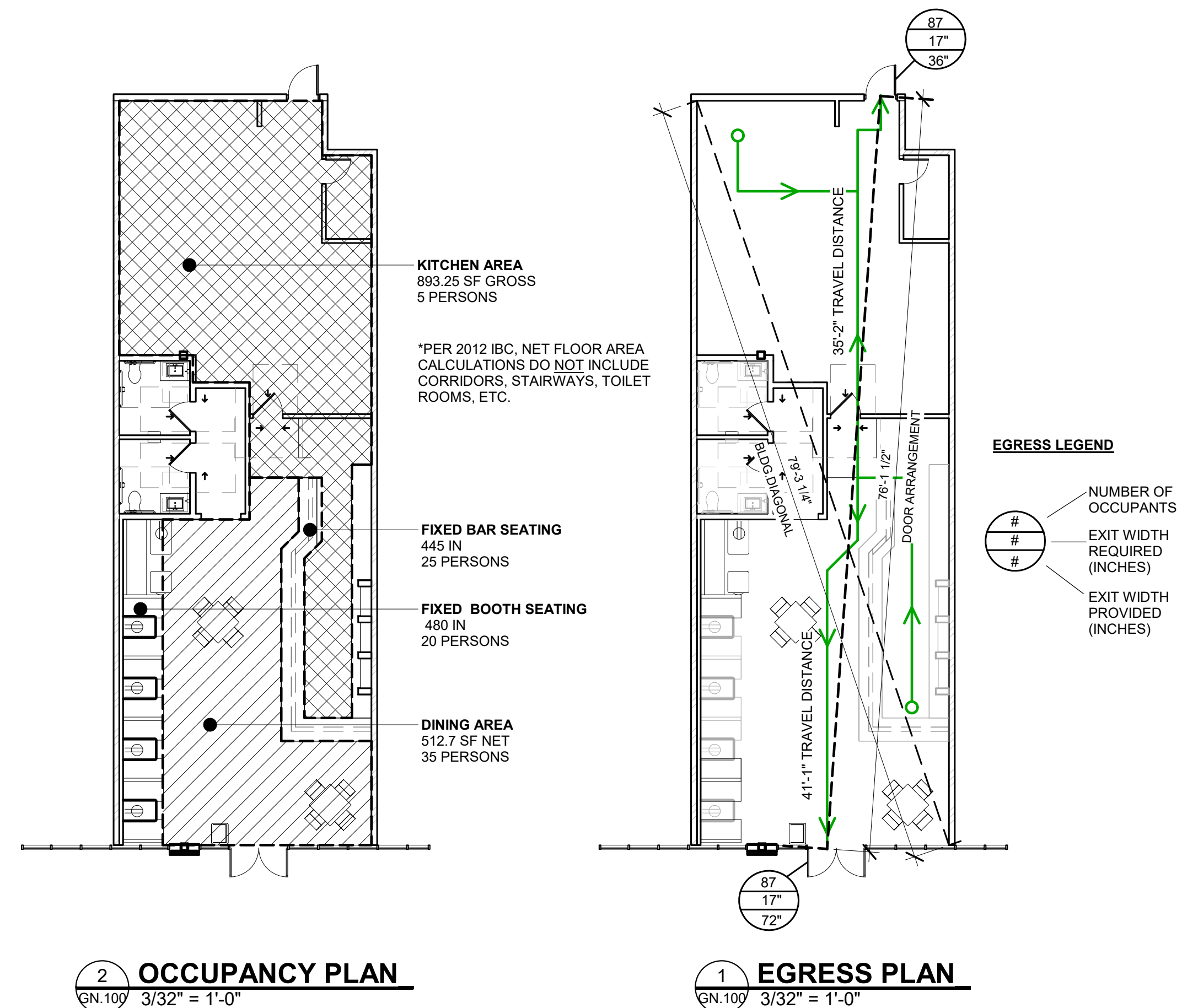
OCCUPANCY	MAX. DISTANCE	PROVIDED
RESTURANT	200 FT	41'-1"

MINIMUM NUMBER OF EXITS IBC 1019.1

TWO EXITS REQUIRED

SHEET INDEX

A.500	INT-ELEVATION 01
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A.200	FLOOR PLAN
A.300	REFLECTED CEILING PLAN
A.400	ENLARGED FLOOR PLAN
A.700	DOOR AND HARDWARE SCHEDULE
A.710	PARTITION TYPES AND HEAD, JAMB, SILL DETAILS
A.900	MILLWORK DETAILS
S0.0	STRUCTURAL
M0.0	MECHANICAL
E0.0	ELECTRICAL
P0.0	PLUMBING



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ARCHITECT Romulo Cisneros



10/28/2022 EXP. 9/30/2023

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No.	Description	Date

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SHEET:

GN.100

GENERAL NOTES

1 THE GENERAL NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND THE GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT. THE CONTRACTOR, UPON ACCEPTANCE OF THE DRAWINGS, ASSUMES FULL RESPONSIBILITY FOR THE CONSTRUCTION, MATERIALS AND WORKMANSHIP OF THE WORK DESIRED IN THESE NOTES AND DRAWINGS AND WILL BE EXPECTED TO COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY ARE WRITTEN. 2 THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ERRORS OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS OR ANY DISCREPANCIES BETWEEN THE DRAWINGS OR SPECIFICATIONS AND FIELD CONDITIONS BEFORE COMMENCING ANY WORK AND REQUEST FURTHER CLARIFICATIONS. IF SUCH NOTICE IS NOT FURNISHED AS HEREIN PROVIDED, THE CONTRACTOR SHALL BE DEEMED TO HAVE FOUND SUCH DRAWINGS AND SPECIFICATIONS IN PROPER FORM FOR EXECUTION OF THE WORK. 3 BEFORE SUBMITTING A PROPOSAL, THE CONTRACTOR SHALL VISIT THE PREMISES, FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND THE SCOPE OF THE WORK AND THE DIFFICULTIES THAT ATTEND ITS EXECUTION. 4 THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS AND SAMPLES OF MATERIALS OR FINISHES TO THE ARCHITECT FOR ACCEPTANCE PRIOR TO STARTING ANY CONSTRUCTION OR FABRICATION. ALL SHOP DRAWINGS, SAMPLES OR FINISHES ACCEPTED BY THE ARCHITECT SHALL SUPERSEDE ANY ORIGINATING DRAWINGS. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL ERRORS IN THEIR DRAWINGS AFFECTING THE INTEGRITY OF THEIR FABRICATIONS. 5 ALL WORK SHALL CONFORM TO ALL LOCAL AND NATIONAL LAWS, CODES, REGULATIONS, ETC., APPLICABLE TO THE WORK AS WELL AS THE RULES, AND REGULATIONS OF OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK. THE WORK SHALL NOT COMMENCE UNTIL PLANS HAVE BEEN ACCEPTED BY ALL DEPARTMENTS AND AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL FURNISH AN AMENDED CERTIFICATE OF OCCUPANCY, IF APPLICABLE, TO THE OWNER/TENANT UPON COMPLETION OF THE WORK. 6 ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES. 7 ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO MANUFACTURERS' SPECIFICATIONS AS WELL AS TO THE ACCEPTANCE OF LOCAL AUTHORITIES. 8 ALL DIMENSIONS ARE GIVEN FROM FACE OF GYPSUM WALL BOARD UNLESS OTHERWISE NOTED ON THE DRAWINGS. DO NOT SCALE DRAWINGS. FOLLOW THE DIMENSIONS AND INSTRUCTIONS GIVEN. 9 NO SUBSTITUTES MAY BE MADE FOR ANY ITEMS SPECIFIED WITHOUT WRITTEN ACCEPTANCE FROM THE ARCHITECT. 10 THE ELECTRICAL SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES AND NECESSARY ELECTRICAL WORK AS SHOWN OR IMPLIED ON THE DRAWINGS AND NOTED OR IN THE SPECIFICATIONS. ALL EQUIPMENT SHALL BE LOCATED AS DIMENSIONED ON THE DRAWINGS AND NOTES. 11 THE WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF LOCAL FIRE LAWS, ANY GOVERNING UTILITY COMPANIES AND ALL OTHER AUTHORITIES HAVING JURISDICTION. ALL ELECTRICAL AND TELEPHONE WIRING CONDUIT SHALL BE CONCEALED IN WALLS OR CEILING, U.O.N. 12 THE CONTRACTOR SHALL COORDINATE ANY ELECTRIC LIGHTING INSTALLATION INTO CABINET WORK WITH THE ARCHITECTURAL WOODWORK CONTRACTOR. 13 ALL TELEPHONE WORK IS TO BE COORDINATED WITH THE OWNER/TENANTS' PRIVATE PHONE COMPANY. 14 THE INSTALLATION OF ALL ELECTRONIC EQUIPMENT, WIRING, SIGNAL AND COMMUNICATIONS CIRCUITS, LINES AND RELATED EQUIPMENT SHALL BE COORDINATED WITH THE OWNER/TENANTS' SUPPLIERS. 15 DAMAGED SURFACES AND ANY OTHER DEFECTS CAUSING AN APPEARANCE DIFFERENT FROM A NEW, FIRST CLASS, FINISHED INSTALLATION SHALL EITHER BE REPAIRED OR THE GENERAL CONTRACTOR SHALL REMOVE EXISTING AND INSTALL NEW SURFACES TO THE SATISFACTION OF THE ARCHITECT AT NO ADDITIONAL COST. 16 THE CONTRACTOR SHALL REMOVE ALL ELECTRIC SWITCHES AND OUTLETS, DATA AND TELEPHONE OUTLETS ETC. PRIOR TO THE PAINTING OF SURROUNDING SURFACES AND PROTECT AND REPLACE SAME WHEN PAINTING HAS BEEN COMPLETED. UPON COMPLETION THE CONTRACTOR SHALL REMOVE ALL PAINT FROM WHERE IT HAS SPILLED OR SPLASHED ON SURFACES, INCLUDING: LIGHTING FIXTURES, DIFFUSERS, SLAB FITTINGS, BASEBOARDS, WINDOW SASH, AND FRAMES, DOORS AND DOOR FRAMES, CEILING TILES, FLOORING, ETC. 17 ALL ARCHITECTURAL WOODWORK SHALL BE MANUFACTURED IN ACCORDANCE WITH THE CURRENT EDITION OF THE ARCHITECTURAL WOODWORK QUALITY STANDARDS OF THE ARCHITECTURAL WOODWORK INSTITUTE IN THE GRADE OR GRADES HEREAFTER SPECIFIED OR SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE BLOCKING AS REQUIRED. SURFACES SHALL BE TRUE, STRAIGHT AND FREE FROM ALL MACHINE AND TOOL MARKINGS, BRUISES, INDENTATIONS, CHIPS OR ABRASIONS. 18 THE SPACE AROUND PIPES, DUCTS, ETC. PENETRATING FIRE-RATED PARTITIONS SHALL NOT EXCEED 1/2" AND SHALL BE PACKED SOLID WITH SPECIFIED FIRE-STOPPING MATERIAL OR ACCEPTED EQUAL, AND BE CLOSED OFF BY FITTING METAL ESCUTCHEONS OR ACCEPTED EQUAL ON BOTH SIDES OF THE PARTITION. 19 ALL INTERIOR FINISHES SHALL COMPLY WITH ALL AGENCIES HAVING JURISDICTION. 20 ALL WOOD ATTACHED TO THE BUILDING SHALL BE FIRE RETARDANT AND PROPERLY CERTIFIED TO THE ARCHITECT AND ALL AGENCIES HAVING JURISDICTION. 21 THE PLUMBING SUBCONTRACTOR SHALL SUPPLY AND INSTALL ALL PLUMBING, NECESSARY ROUGHING, FIXTURES AND ACCESSORIES AS SHOWN OR IMPLIED ON THE DRAWINGS OR IN THE SPECIFICATIONS. 22 THE PLUMBING SUBCONTRACTOR SHALL: 1) COORDINATE ALL WORK WITH MANUFACTURERS' SPECIFICATIONS, 2) FURNISH ALL VALVES AS INDICATED ON THE DRAWINGS OR AS MAY BE REQUIRED FOR THE PROPER CONTROL OF THE VARIOUS APPARATUS AND PIPE LINES, 3) FURNISH VALVES DESIGNED FOR REPACKING WHEN WIDE OPEN UNDER PRESSURE AND 4) TEST ALL PIPING BEFORE IT IS COVERED UP OR BUILT-IN, AND 5) INSTALL ALL WORK IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE LOCAL AND NATIONAL CODES AND ANY GOVERNING UTILITY COMPANIES OR OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK. 23 THE HVAC SUBCONTRACTOR SHALL FURNISH AND INSTALL DUCT WORK, DIFFUSERS, GRILLS, THERMOSTATS AND ALL NECESSARY CONTROLS, EQUIPMENT, SUPPORTS, HANGERS, ETC. AS SHOWN OR IMPLIED IN THE DRAWINGS AND NOTES OR IN THE SPECIFICATIONS. ALL EQUIPMENT SHALL BE LOCATED AS DIMENSIONED ON THE DRAWINGS AND NOTES. 24 THE HVAC WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF LOCAL, STATE, AND NATIONAL LAWS, ANY GOVERNING UTILITY COMPANIES, AND ALL OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK. INTERIOR ROOMS SHALL BE MECHANICALLY VENTILATED IN ACCORDANCE WITH THE GOVERNING CODES. 25 ALL FIRE DAMPERS SHALL BE TYPE ACCEPTED BY THE BOARD OF FIRE UNDERWRITERS AND COMPLY WITH ALL AGENCIES HAVING JURISDICTION. 26 ALL SUSPENDED CEILINGS AND SUSPENSION SYSTEMS SHALL COMPLY WITH APPLICABLE BUILDING CODES. SUSPENSION SYSTEM HANGERS SHALL BE SPACED AT A MAXIMUM OF 4'-0" O.C. 27 ALL CRACKS, CREVICES, AND OPENINGS WITHIN THE ESTABLISHMENT SHALL BE SEALED WITH CAULK, FLASHING, ETC. TO PREVENT ACCESSIBILITY AND HARBORAGE FOR INSECTS AND RODENTS. 28 THE CONTRACTOR SHALL PATCH OR TOUCH-UP ANY AREAS WITHOUT FIRE PROOFING, WHETHER REMOVED BY THE SUBCONTRACTORS OR THOSE HIRED SEPARATELY BY THE OWNER/TENANT. ALL EXPOSED STRUCTURAL STEEL BE PATCHED OR TOUCHED UP WITH 'CAPCO TYPE D-C/P' OR ACCEPTED EQUAL AS DIRECTED BY THE AGENCIES HAVING JURISDICTION. 29 THE CONTRACTOR AND SUBCONTRACTORS TO BE ADVISED: INFORMATION PERTAINING TO RESPECTIVE TRADES IS NOT LIMITED TO SELECT SHEETS. INFORMATION FOR EACH RESPECTIVE TRADE MAY BE INCORPORATED INTO ANY OR EVERY SHEET OF THIS DRAWING PACKAGE. THE ARCHITECT RESERVES THE RIGHT TO NOT ACCEPT POTENTIAL CHANGE ORDERS RESULTING FROM THE CONTRACTOR NOT PROVIDING THE SUBCONTRACTORS WITH ALL THE NECESSARY DRAWINGS TO EFFECTIVELY BID AND HENCE PERFORM THE FINAL SCOPE OF SERVICES AS REQUIRED BY THIS DRAWING PACKAGE. 30 ALL WORK LISTED ON THE CONSTRUCTION NOTE SHEETS AND SHOWN OR IMPLIED ON ALL DRAWINGS AND SPECIFICATIONS SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING THE WORK OF ALL OTHER CONTRACTORS AND THOSE SEPARATE CONTRACTS LET BY THE OWNER/TENANT, TO ASSURE THAT ALL SCHEDULES ARE MET.	31 THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO MAINTAIN FREE ACCESS OF ALL OWNER/TENANT, SERVICE PERSONAL AND THE PUBLIC THROUGH THE AREAS INVOLVED AND SHALL SEE THAT ALL OWNER/TENANTS' FACILITIES, EQUIPMENT AND SERVICES ARE FULLY OPERABLE DURING BUSINESS HOURS. ANY SHUT DOWN OF ELECTRIC, TELEPHONE, COMMUNICATIONS, PLUMBING OR HVAC SERVICES REQUIRED SHALL BE SCHEDULED WITH THE OWNER/TENANT REPRESENTATIVES AND ACCEPTED BY SAME BEFORE PROCEEDING WITH ANY INTERRUPTION OF SERVICE. 32 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING THE FEES FOR ALL BUILDING DEPARTMENT PERMITS AND ANY OTHER PERMITS REQUIRED FROM AUTHORITIES HAVING JURISDICTION OVER THE WORK. THESE PERMITS SHALL BE OBTAINED AND THE FEES FOR THEM PAID BY THE GENERAL CONTRACTOR PRIOR TO COMMENCING THE WORK. 33 THE CONTRACTOR SHALL HAVE THE OVERALL RESPONSIBILITY FOR THE PROCUREMENT, INSTALLATION AND TESTING OF ALL SYSTEMS INCLUDING, BUT NOT LIMITED TO PLUMBING, HVAC, SPECIAL SYSTEMS, ETC. AS REQUIRED BY THESE DOCUMENTS. THIS SHALL INCLUDE THE SECURING OF ALL APPROVALS FOR THE SYSTEMS TESTED. 34 THE CONTRACTOR SHALL BE BOUND TO THE BUILDING RULES AS TO THE HOURS OF WORK, USE OF THE ELEVATORS AND STAIRS, STORAGE AND REMOVAL OF DEBRIS, ETC. ALL WORK SHALL BE PERFORMED AS EXPEDITIOUSLY AS POSSIBLE. ALL AREAS ADJACENT TO BUT NOT INVOLVED IN THE WORK SHALL BE PROTECTED FROM DAMAGE, DUST AND DEBRIS. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL RUBBISH AND DEBRIS DAILY EXCEPT ITEMS TO BE REUSED, AND SHALL LEAVE THE PREMISES BROOM CLEAN FOR EACH SUCCESSIVE TRADE. ALL RUBBISH AND DEBRIS OCCASIONED BY THE CONTRACTOR, SUBCONTRACTORS OR THOSE HIRED SEPARATELY BY THE OWNER/TENANT SHALL BE REMOVED BY THE CONTRACTOR. ALL MATERIALS LEFT ON THE CONSTRUCTION SITE MUST BE SECURED IN SUCH A MANNER THAT THEY DO NOT BECOME BLOWING DEBRIS. 35 THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED IN THE NOTES AND SPECIFICATIONS. THE GENERAL CONTRACTOR SHALL SUBMIT A PROPOSAL BASED ON EXECUTING ALL WORK WITHIN THE REGULATIONS OF THE BUILDING FOR DEMOLITION AND REMOVAL OF DEBRIS. THIS SHALL INCLUDE ANY OVERTIME WORK REQUIRED. 36 ALL WORK DEMOLISHED SHALL BE REMOVED FROM THE PREMISES EXCEPT ITEMS DESIGNATED TO BE REUSED. 37 THE CONTRACTOR SHALL DO ALL CUTTING, FITTING OR PATCHING OF WORK THAT MAY BE REQUIRED TO MAKE ALL PARTS COME TOGETHER PROPERLY. THIS INCLUDES ALL WORK, THE WORK OF SUBCONTRACTORS AND OF THOSE HIRED SEPARATELY BY THE TENANT. THE GENERAL CONTRACTOR SHALL SURVEY ALL EXISTING FINISHED SURFACES, INCLUDING INSIDE AND OUTSIDE CORNER BEADS, AND STOPS, AND TO REPAIR ALL CHIPS, CRACKS, DENTS AND HOLES TO PROVIDE A LIKE NEW, FIRST CLASS FINISHED INSTALLATION. 38 THE CONTRACTOR SHALL EXAMINE ALL AREAS OF CONSTRUCTION AFTER COMPLETION OF THE WORK BY ALL TRADES, INCLUDING TELEPHONE INSTALLATION, FLOORING, CARPET, ETC. AND PROVIDE NECESSARY 'TOUCH-UP' PATCHING AND PAINTING AS REQUIRED BY THE ARCHITECT. ALL EXISTING TO REMAIN OR NEW FLOORING, GLASS OR OTHER MATERIALS INSTALLED BY THE CONTRACTOR, SUBCONTRACTORS OR THOSE HIRED SEPARATELY BY THE TENANT, IN ADDITION TO BEING AMPLY PROTECTED THROUGHOUT THE PERIOD OF CONSTRUCTION, SHALL BE THOROUGHLY CLEANED TO THE SATISFACTION OF THE ARCHITECT JUST PRIOR TO BEING TURNED OVER TO THE OWNER/TENANT. 39 THE OWNER/TENANT OR THE ARCHITECT MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING OR DEDUCTING FROM THE WORK, THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY. CLAIM FOR EXTENSIONS OF TIME CAUSED THEREBY SHALL BE ADJUSTED AT THE TIME OF ORDERING SUCH CHANGE. 40 IF THE CONTRACTOR CLAIMS EXTRA COST UNDER THIS CONTRACT, IT SHALL BE GIVEN TO THE ARCHITECT IN WRITING WITHIN A REASONABLE TIME BEFORE PROCEEDING TO EXECUTE THE WORK. ALL CLAIMS FOR EXTRA WORK SHALL BE SUBMITTED TO THE ARCHITECT FOR ACCEPTANCE BY THE OWNER/TENANT. 41 THE CONTRACTOR AGREES TO PAY ALL TRANSPORTATION CHARGES ON ALL MATERIAL OR EQUIPMENT TO THE POINT OF USE, AND SHALL BE RESPONSIBLE FOR ALL UNLOADING, CHECKING, AND STORING OF SAME IN CONNECTION WITH THIS CONTRACT. 42 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING FOR ELEVATORS OR OTHER HOSTING FACILITIES FOR HANDLING MATERIALS. THE COST FOR SAME SHALL BE INCLUDED IN THE PROPOSAL UNLESS SPECIFICALLY NOTED OTHERWISE. 43 AT THE TERMINATION OF CONSTRUCTION THE CONTRACTOR SHALL FILE TWO (2) COMPLETE SETS OF AS-BUILT DRAWINGS, ONE WITH THE BUILDING DEPARTMENT AND ONE WITH THE OWNER/TENANT.
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REVISIONS		
No.	Description	Date

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SHEET:

GN.101

ABBREVIATIONS				GRAPHIC SYMBOLS	CISNEROS DESIGN STUDIO, ARCHITECTS LLC 800 Sampson St., Suite 200 Houston, TX 77003 (PH) 713-520-7745 COPRIGHT 2022 CISNEROS DESIGN STUDIO, ARCHITECTS LLC (FIRM BR 2712) Drawings and Specifications as instruments of service are and shall remain the property of the Architect and shall not be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Architect. Contractor is responsible for confirming and correlating dimensions at job site; the Architect will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the project.
A/C	AIR CONDITIONING	LAV	LAVATORY		
ACOUS	ACOUSTICAL	LB	POUND		REVISION TAG
AD	AREA DRAIN	LDG	LANDING		NOTE NUMBER
ADH	ADHESIVE	LH	LEFT HAND		WINDOW TYPE
ADJ	ADJUSTABLE	LKR	LOCKER		DOOR TYPE
ADMIN	ADMINISTRATION	LT	LIGHTING		
ADO	AUTOMATIC DOOR OPENER	LVR	LOUVER		
AFF	ABOVE FINISH FLOOR	MACH	MACHINE		
ALUM	ALUMINUM	MAINT	MAINTENANCE		
APPROX	APPROXIMATE	MAS	MASONRY		
ARCH	ARCHITECT	MATL	MATERIAL		
AUTO	AUTOMATIC	MAX	MAXIMUM		
AUX	AUXILIARY	MECH	MECHANICAL		
AVG	AVERAGE	MED	MEDIUM		
BD	BOARD	MEMB	MEMBRANCE		
BLDG	BUILDING	MET	METAL		
BLK	BLOCK	MFG	MANUFACTURER		
BM	BEAM	MH	MANHOLE		
BOT	BOTIOM	MIN	MINIMUM		
BRK	BRICK	MISC	MISCELLANEOUS		
BU	BUILT UP	MO	MASONRY OPENING		
BVL	BEVELED	MOD	MODIFY		
CAB	CABINET	MTL	METAL		
CC	CENTER TO CENTER	N	NORTH		
CEM	CEMENT	NA	NOT APPLICABLE		
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	NAT	NATURAL		
CG	CORNER GAURD	NFPA	NATIONAL FIRE PROTECTION ASSOC.		
CJ	CONTROL JOINT	NIC	NOT IN CONTRACT		
CL	CENTER LINE	NO	NUMBER		
CLG	CEILING	NOM	NOMINAL		
CLR	CLEAR	NTS	NOT TO SCALE		
CLS	CLOSURE	OA	OVERALL		
CMU	CONCRETE MASONRY UNITS	OC	ON CENTER		
CO	CLEAN OUT	OD	OUTSIDE DIAMETER		
COL	COLUMN	OF	OUTSIDE FACE		
COMB	COMBINATION	OFCI	OWNER FURNISH, CONTRACTOR INSTALLED		
COMP	COMPRESSIBLE	OFF	OFFICE		
CONC	CONCRETE	OFOI	OWNER FURNISH, OWNER INSTALLED		
CONN	CONNECTION	OPH	OPPOSITE HAND		
CONT	CONTINUOUS	OPNG	OPENING		
CONTR	CONTRACTOR	PART	PARTITION		
COORR	CORRIDOR	PBD	PARTICLE BOARD		
CPT	CARPET	PERF	PERFORATED		
CT	CERAMIC TILE	PLAM	PLASTIC LAMINATE		
CTR	CENTER	PLBG	PLUMBING		
CW	COLD WATER	PLT	PLATE		
DBL	DOUBLE	PLWD	PLYWOOD		
DEPT	DEPARTMENT	PNL	PANEL		
DET	DETAIL	PR	PAIR		
DIA	DIAMETER	PREP	PREPERATION		
DIAG	DIAGONAL	PTD	PAINTED		
DIM	DIMENSION	PVC	POLYVINYL CHLORIDE		
DIV	DIVISION	PVMT	PAVEMENT		
DN	DOWN	R	RISER		
DP	DAMPROOFING	RA	RETURN AIR		
DR	DOOR	RD	ROOF DRAIN		
DS	DOWN SPOUT	RE	REFER TO		
DW	DISH WASHER	RECEP	RECEPTACLE		
DWG	DRAWING	RECPT	RECEPTION		
DWR	DRAWER	REF	REFRIGERATOR		
E	EAST	REFL	REFLECTED		
EA	EACH	REINF	REINFORCING		
EDF	ELECTRIC DRINKING FOUNTAIN	REQ	REQUIRE OR REQUIREMENT		
EJ	EXPANSION JOINT	RESIL	RESILIENT		
EL	ELEVATION	RET	RETURN		
ELEC	ELECTRICAL	REV	REVISION		
ELEV	ELEVATOR	RH	RIGHT HAND		
EMER	EMERGENCY	RM	ROOM		
ENCL	ENCLOUSURE	RND	ROUND		
ENGR	ENGINEER	RO	ROUGH OPENING		
ENT	ENTRANCE	RR	RETURN REGISTER		
EQ	EQUAL	RTD	RATED		
EQUIP	EQUIPMENT	RVS	REVERSE		
EST	ESTIMATE	S	SOUTH		
EW	EACH WAY	SCHED	SCHEDULED		
EXH	EXHAUST	SEC	SECTION		
EXIST	EXISTING	SERV	SERVICE		
EXT	EXTERIOR	SHLVG	SHELIVING		
FD	FLOOR DRAIN	SHT	SHEET		
FDN	FOUNDATION	SHWR	SHOWER		
FE	FIRE EXTINGUISHER	SIM	SIMILAR		
FEC	FIRE EXTINGUISHER CABINET	SPEC	SPECIFICATION		
FF	FINISH FLOOR	SPKR	SPEAKER		
FHC	FIRE HOSE CABINET	SQ	SQUARE		
FIN	FINISH	SS	STAINLESS STEEL		
FIXT	FIXTURE	ST	STREET		
FL	FLOOR	STD	STANDARD		
FLUOR	FLUORESCENT	STL	STEEL		
FP	FIREPROOFING	STOR	STORAGE		
FT	FOOT OR FEET FURNISH(ED)	STRUC	STRUCTURAL		
FV	FIELD VERIFY	SUSP	SW		
GA	GAGE	TAS	TEXAS ACCESSIBILITY STANDARDS		
GALV	GALVANIZED	TC	TOP OF CURB		
GC	GENERAL CONTRACTOR	TEL	TELEPHONE		
GEN	GENERATOR	TEMP	TEMPERATURE		
GL	GLASS	THK	THICK		
GYP BD	GYPSUM BOARD	TRD	THREAD		
H	HIGH	TRTD	TREATED		
HB	HOSE BIB	TS	TOP OF STEEL		
HD	HAND DRYER	TTL	TOTAL		
HDW	HARDWARE	TYP	TYPICAL		
HEX	HEXAGONAL	TZ	TERRAZZO		
HGR	HANGER	UL	UNDERWRITERS LABORATORY		
HOR	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE		
HR	HAND RAIL	UNTIL	UTILITY		
HT	HEIGHT	VCT	VINYL COMPOSITION		
HVAC	HEATING, VENTILATION, & AIR CONDITIONING	VENT	VENTILATION		
HW	HOT WATER	VERT	VERTICAL		
ID	INSIDE DIAMETER	VEST	VESTIBULE		
INCAN	INCANDESCENT	VVC	VINYL WALL COVERING		
INCL	INCLUDE	W	WEST OR WASHER		
INFO	INFORMATION	W/	WITH		
INSUL	INSULATION	W/O	WITHOUT		
INT	INTERIOR	WC	WATER CLOSET		
JT	JOINT	WDW	WINDOW		
JUNC	JUNCTION	WO	WOOD		
LAB	LABORATORY	WP	WATERPROOFING		
LAM	LAMINATE	WT	WEIGHT		

ROOM NAME			ROOM NAME AND NUMBER
101			
1			DETAIL NUMBER
A101			SHEET NUMBER
1 / A101			DETAIL NUMBER
1 / A101			SHEET NUMBER
1	A101		DETAIL REFERENCE
1	A101		EXTERIOR ELEVATION
1	A.510	1	INTERIOR ELEVATION
1	A101		BUILDING SECTION
1	A101		WALL SECTION
A.1			PARTITION TYPE
Name	Elevation		LEVEL LINE
			NEW POINT ELEVATION
℄			CENTERLINE
@			AT
R			RADIUS
&			AND
/			PER

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1836 REPUBLIC BAR & GRILL

27252 Katy Fwy,SUITE 1000, Katy, TX 77494

ARCHITECT Romulo Cisneros



10/28/2022 EXP. 9/30/2023

ENGINEER

REVISIONS		
No.	Description	Date

DATE ISSUED: 10/28/2022

SHEET:

GN.102

Bldg	Floor	Unit	Tenant (Classification)	Area	DINING AREA FOR (7.e)
A	1	100	America's Home Place (1.a)	4,500	
A	1	200	Vietnam Bistro (7.e)	1,572	750
A	1	300	Eyedology Vision Care (3.d)	1,672	
A	1	400	Ted Tyman (7.e)	1,082	500
A	1	500	Captivating Dance by Nona (6.f)	1,800	
A	1	600	Vacant (1.a)	1,083	
A	1	700	KFAS ENTERPRISES (8.c)	1,064	
A	1	800	Employ Bridge (1.a)	1,064	
A	1	1000	1836 Republic Bar and Grill (7.e)	1,949	512
A	1	1,100	Laundry Maids LLC (8.c)	1,280	
A	1	1,200	Gulf Coast Educators Federal Credit Union (1.a)	2,500	
				19,543	1762

SHARED PARKING ANALYSIS

CITY OF HOUSTON ORDINANCES
SEC. 26-492. - PARKING SPACES FOR CERTAIN TYPES OF USE CLASSIFICATIONS

Classification	Occupancy	AREA (SF)	INDIVIDUAL PARKING	Typical Weekday				Typical Weekend			
				Mid-night to 7 AM	7 AM to 5 PM	5 PM to 9 PM	9 PM to Mid night	Mid-night to 7 AM	7 AM to 5 PM	5 PM to 9 PM	9 PM to Mid night
Class 1. Office	a. Office	GFA = 9,147	1 PER 400 SF 22.87	5% 1.1435	100% 22.87	30% 6.861	5% 1.1435	0% 0	10% 2.287	0% 0	0% 0
Class 3. Health Care	d. Clinic (Medical or Dental)	GFA = 1,672	1 PER 400 SF 4.18	0% 0	100% 4.18	25% 1.045	0% 0	0% 0	25% 1.045	0% 0	0% 0
Class 6. Recreation and Entertainment	f. Sports club or health spa	GFA = 1,800	1 PER 200 SF 9	50% 4.5	25% 2.25	100% 9	10% 0.9	10% 0.9	50% 4.5	10% 0.9	5% 0.45
Class 7. Food and Beverage	e. Restaurant	GFA = 1,762	1 PER 50 SF DINING +36 FOR THREE (7.e) 71.24	10% 7.124	50% 35.62	75% 53.43	40% 28.496	15% 10.686	75% 53.43	100% 71.24	50% 35.62
Class 8. Retail	c. Retail Store	GFA = 2,344	1 PER 200 SF 11.72	5% 0.586	50% 5.86	75% 8.79	10% 1.172	5% 0.586	100% 11.72	75% 8.79	10% 1.172
MAX. SHARED PARKING				13.3535	70.78	79.126	31.7115	12.172	72.982	80.93	37.242

TOTAL PARKING REQUIRED	118
TOTAL PARKING PROVIDED	188

SITE PLAN GENERAL NOTES:

- FIELD VERIFY ALL DIMENSION PRIOR TO BEGINNING NEW CONSTRUCTION.
- ALL DIMENSIONS ARE TO FACE OF SLAB, FACE OF STUD, CENTERLINE OR EDGE OF STRUCTURAL MEMBER, OR CENTERLINE OF OBJECT; U.N.O.
- REPAIR ANY DAMAGE TO EXISTING SITE CONDITIONS DUE TO CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE SITE DRAINAGE ON SIDES OF HOUSE AND ON THE PROPERTY TO ENSURE NO STANDING WATER.
- STAGING OF ALL NEW MATERIAL SHALL BE WELL MANAGED IN ORDER NOT TO DISRUPT THE SITE, SITE ACCESS, AND OVERALL APPEARANCE TO THE NEIGHBORHOOD.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY COMPANIES FOR PROPER CUT OFF OF UTILITIES.
- TREES SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF HOUSTON CODE OF ORDINANCES SEC. 33-126 (STREET TREES), SEC. 33-127 (PARKING LOT PLANTING OF TREES AND SHRUBS) AND SEC. 33-129 (GENERAL PLANTING STANDARDS) TREES MUST BE LARGE SPECIES AS LISTED IN CHAPTER 33 APPENDIX A-1 (LARGE TREES FOR HOUSTON) WITH 1.5" MIN. CALIPER. TREES SHALL BE PLANTED SO AS NOT TO INTERFERE WITH EXISTING UTILITIES, ROADWAYS, SIDEWALKS OR STREETLIGHTS

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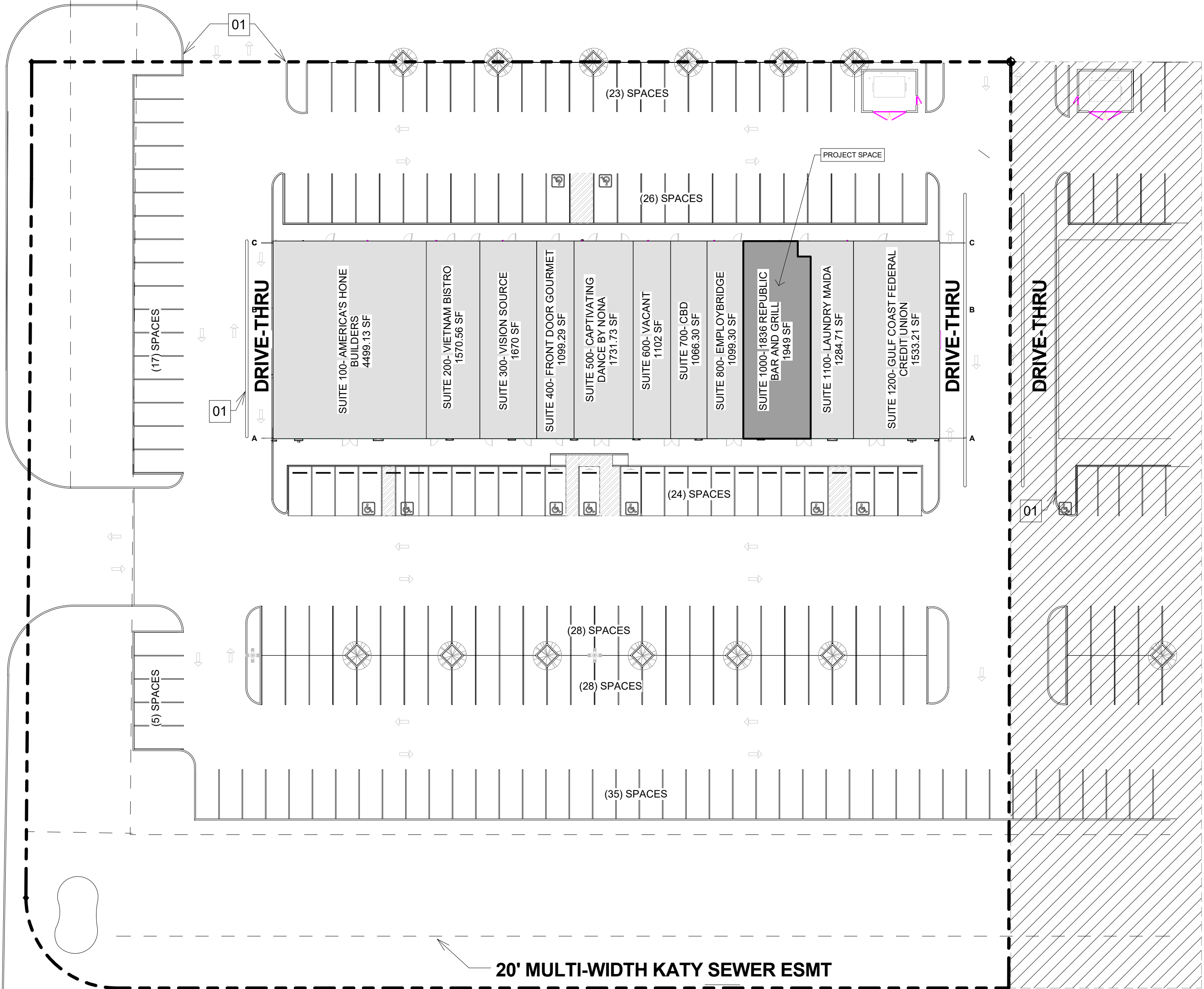
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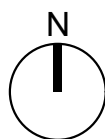
A.100

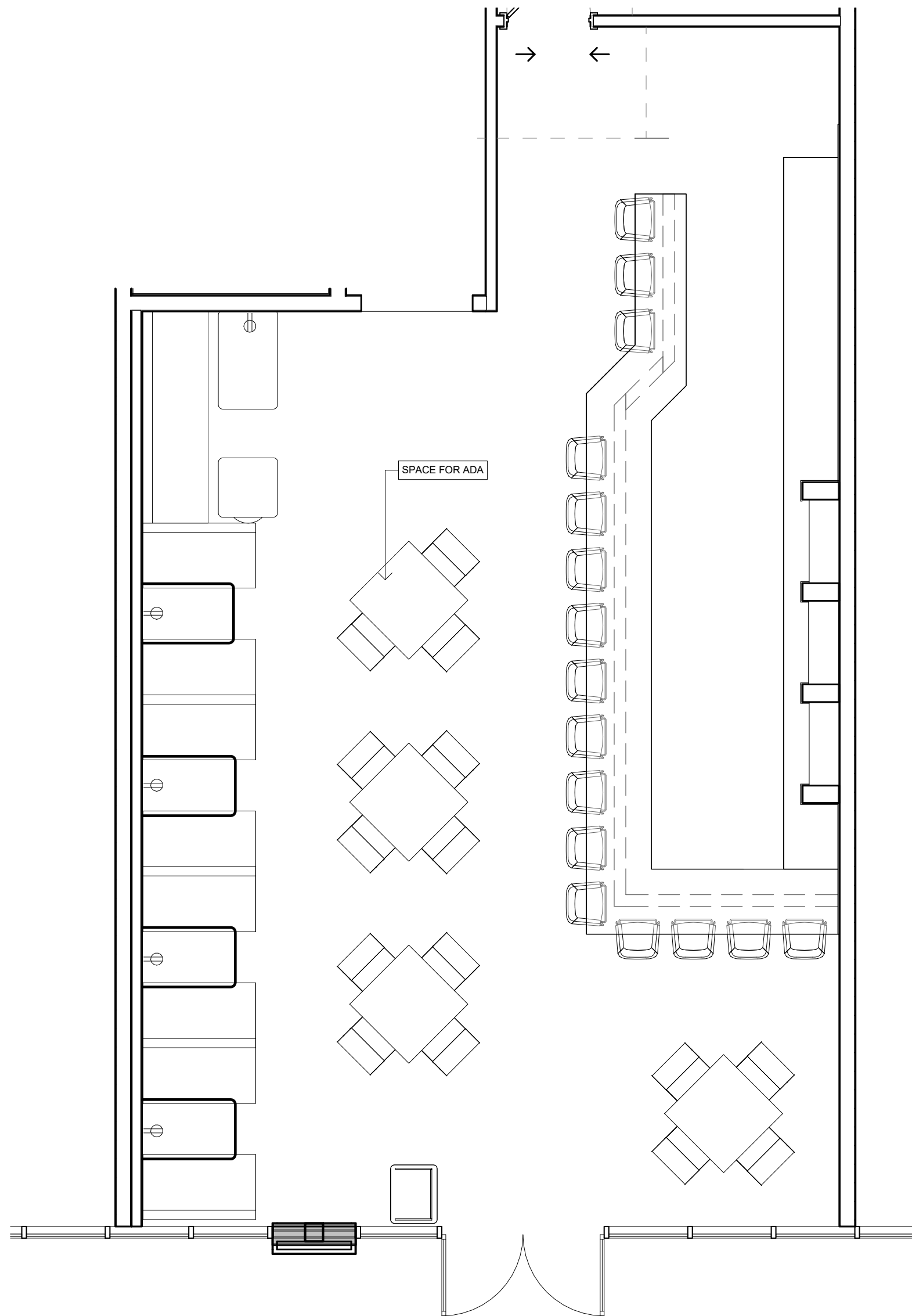
BUC-EE'S BLVD



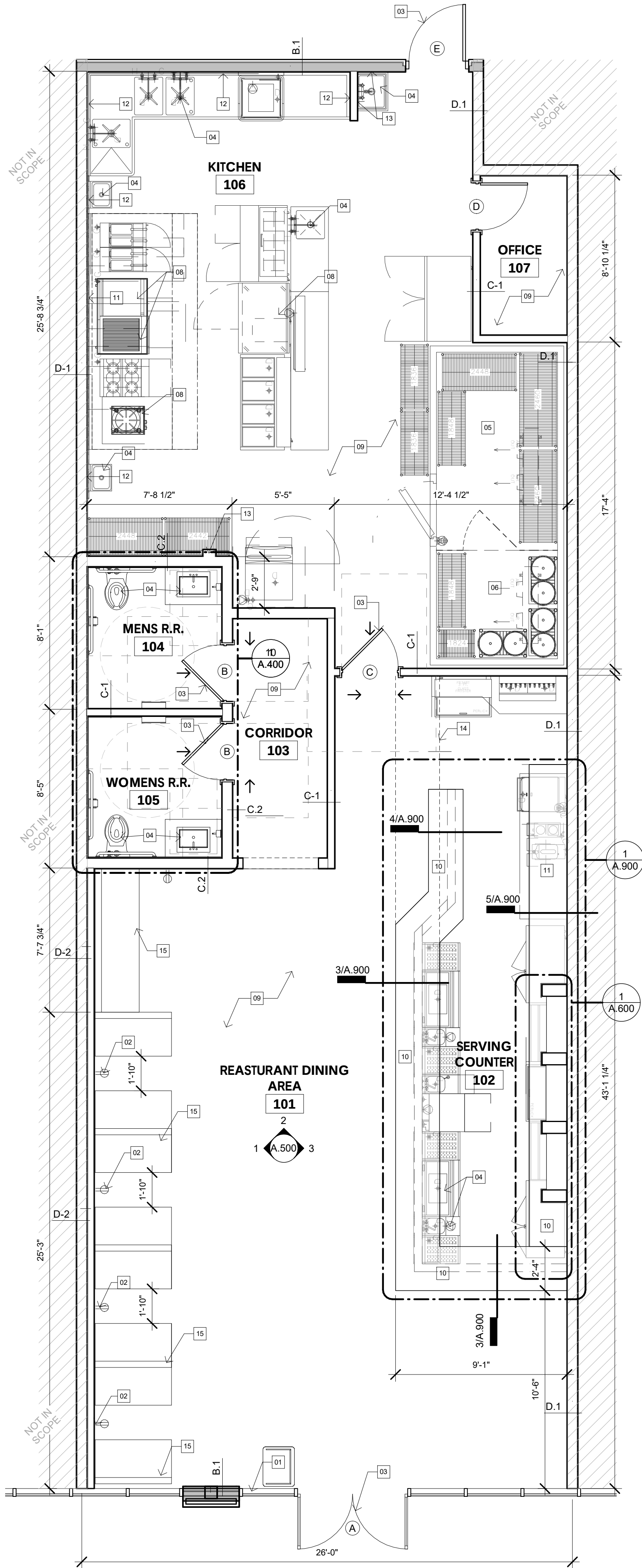
TRACT A LOT
134,685 SF

1 SITE PLAN
A.100 1" = 30'-0"





2 FURNISHER PLAN
A.200 1/4" = 1'-0"



1 FLOOR PLAN
A.200 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSION PRIOR TO BEGINNING NEW CONSTRUCTION.
2. ALL DIMENSIONS ARE TO FACE OF SLAB, FACE OF STUD, CENTERLINE OR EDGE OF STRUCTURAL MEMBER, OR CENTERLINE OF OBJECT; U.N.O.
3. DOOR LOCATION TO BE 4" FROM NEAREST INTERSECTING WALL, OR CENTERED ON WALL IT RESIDES, U.N.O.
4. THE ARCHITECT OR ENGINEER SHALL NOT BE LIABLE FOR ANY CHANGES MADE BY THE OWNER, CONTRACTOR, INSPECTOR OR ANY OTHER PERSON INVOLVED DURING THE CONSTRUCTION PROCESS, WITHOUT A LETTER OF APPROVAL FROM THE ARCHITECT OR ENGINEER OF RECORD. THE ARCHITECT/ENGINEER RESERVES THE RIGHT OF APPROVAL OF SUCH CHANGES.
5. ALL GLAZING IN DOORS TO BE HUMAN-IMPACT-RESISTANT PER ANSI Z97.1975.
6. REFER TO A 700 SHEET SERIES FOR FINISH SCHEDULE, DOOR SCHEDULE, DOOR/WINDOW TYPES, DOOR/WINDOW DETAILS AND PARTITION TYPES.
7. USE 1/2" CEMENT BOARD AT ALL WET AREAS AND BEHIND ALL WALLS TO BE FINISHED IN TILE, U.N.O.

LEGEND:

- EXISTING WALL
- NEW WALL

FLOOR PLAN KEYED NOTES:

NOT ALL KEY NOTES WILL BE USED ON THIS SHEET

- 01 EXIST. STOREFRONT
- 02 ELECTRIC PLUG
- 03 SCHED. DOOR
- 04 SCHED. PLUMBING FIXTURE
- 05 NEW WALK-IN COOLER; RE: FOOD SERVICE PLANS
- 06 NEW WALK-IN FREEZER; RE: FOOD SERVICE PLANS
- 07 NEW WALK-IN BEER COOLER; RE: FOOD SERVICE PLANS
- 08 SCHED. KITCHEN EQUIPMENT RE: FS REFERENCE DWGS.
- 09 SCHED. FLOOR; RE: FINISH SCHED.
- 10 SERVICE COUNTER MILLWORK
- 11 4X6" STAINLESS STEEL BACKSPLASH PANELS
- 12 FIBER REINFORCED PLASTIC PANEL
- 13 EXISTING COLUMN
- 14 OUTLINE OF CEILING OVERHEAD
- 15 CUSTOM BOOTH SEATING MILLWORK

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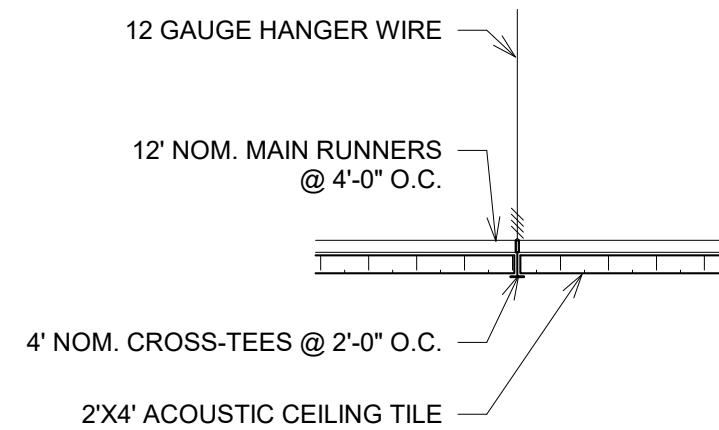
ENGINEER

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No.	Description	Date

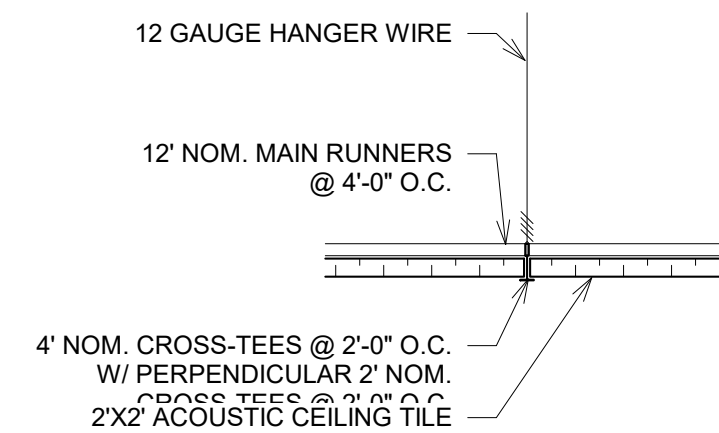
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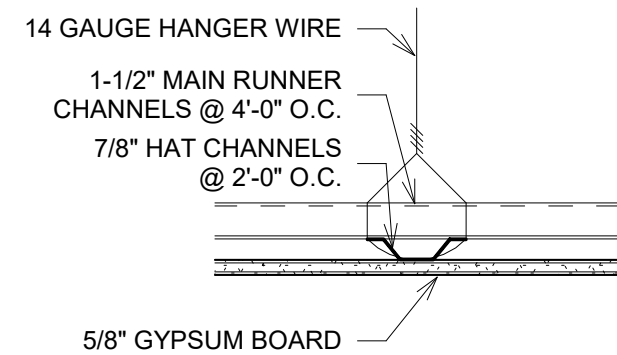
A.200



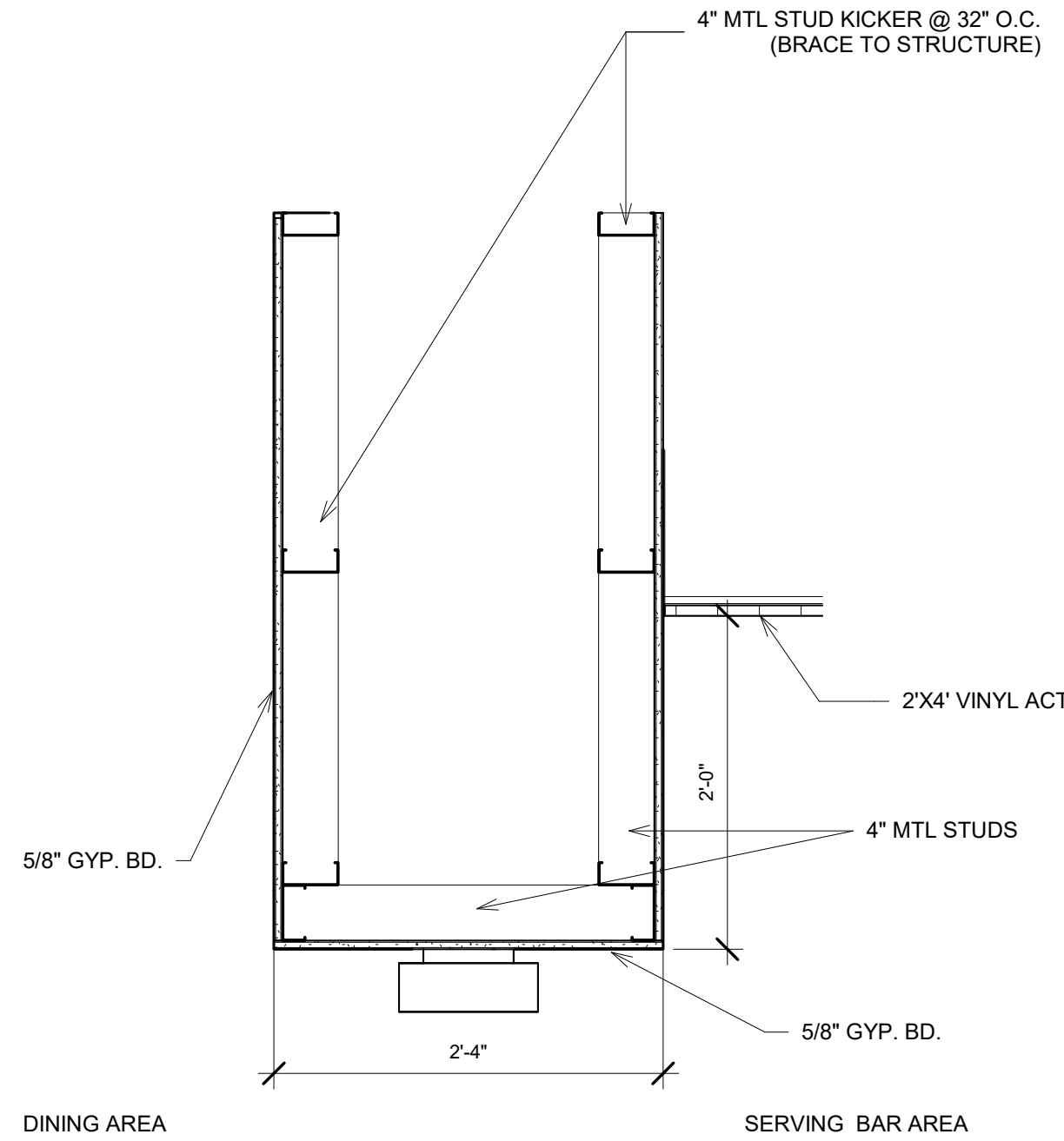
4 TYP. CEILING ASSEMBLY - 2X2 A.C.T.
A.300 1 1/2" = 1'-0"



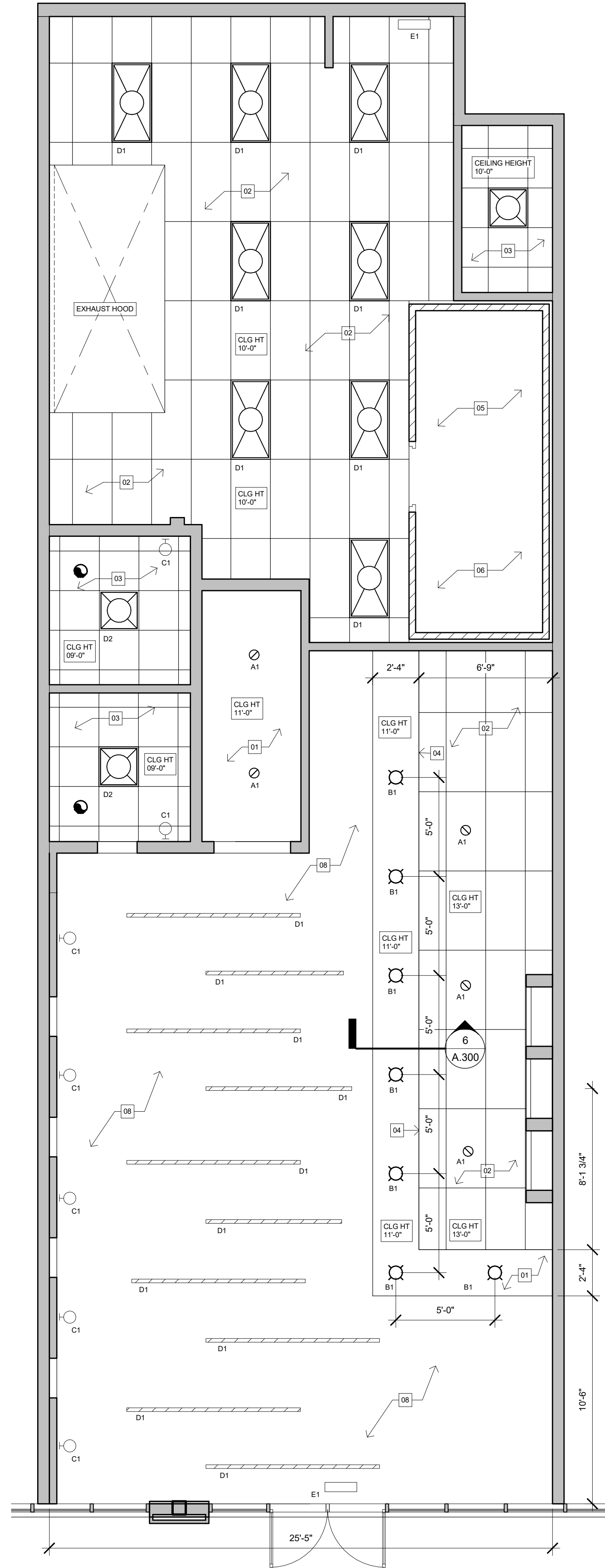
3 TYP. CEILING ASSEMBLY - 2X4 A.C.T.
A.300 1 1/2" = 1'-0"



2 TYP. CEILING ASSEMBLY - GYP. B.D.
A.300 1 1/2" = 1'-0"



6 CEILING DETAIL - FURRDOWN @ COUNTER
A.300 1" = 1'-0"



1 REFLECTED CEILING PLAN
A.300 1/4" = 1'-0"

REFLECTED CEILING PLN GENERAL NOTES:

- CEILING HEIGHTS TO BE 10'-0" A.F.F., U.N.O.
- SMOKE DETECTORS SHALL BE 110 VOLT, WIRED IN SERIES WITH BATTERY BACKUP PER IFC 2012.
- ELECTRICAL SWITCHES SHALL BE MOUNTED AT 48" A.F.F. MAX., U.N.O.
- ELECTRICAL OUTLETS, TV, DATA & PHONE JACKS SHALL BE MOUNT 18" A.F.F., U.N.O.
- DO NOT INSTALL OUTLETS OR SWITCHED BACK TO BACK.
- ALL HVAC, ELECTRICAL AND PLUMBING IS NEW WORK; RE: MEP DRAWINGS.
- DO NOT MIX WALL PLUGS AND LIGHTS ON SAME CIRCUIT.

POWER + LIGHTING LEGEND:

- A1 RECESSED CAN LIGHT
- B1 PENDANT LIGHT
- C1 WALL-MOUNTED LIGHT
- D1 LED LINEAR LIGHT
- D1 2x4 CEILING MOUNTED TROFFER LIGHT
- D2 2x2 CEILING MOUNTED TROFFER LIGHT
- E1 EXIT SIGN W/ EMERGENCY LIGHTS
- BASE/COVE LED STRIP LIGHT
- SWITCH
- THREE-WAY SWITCH
- DIMMER SWITCH
- DUPLEX OUTLET
- GFI OUTLET
- FLOOR OUTLET
- SMOKE DETECTOR
- EXHAUST FAN

REFLECTED CEILING PLAN KEYED NOTES:

- 01 SUSPENDED GYPSUM CELING; RE. MATERIAL SCHEDULE
- 02 2X4 SUSPENDED CLEANABLE VINYL ACT; RE. MATERIAL SCHEDULE
- 03 2X2 SUSPENDED CLEANABLE VINYL ACT; RE. MATERIAL SCHEDULE
- 04 CHANGE IN CEILING HEIGHT
- 05 WALK-IN COOLER/FREEZER TO BE FULLY ENCLOSED WITH 4" INSULATED WALL/CELING/ FLOOR PANELS, PER MANUFACTURER'S SPECS.
- 06 SUSPENDED CYPSPUM CEILING ABOVE WALK-IN COOLER/FREEZER
- 07 WOOD GRILLE CEILING RE. MATERIAL SCHEDULE
- 08 OPEN TO STRUCTURE

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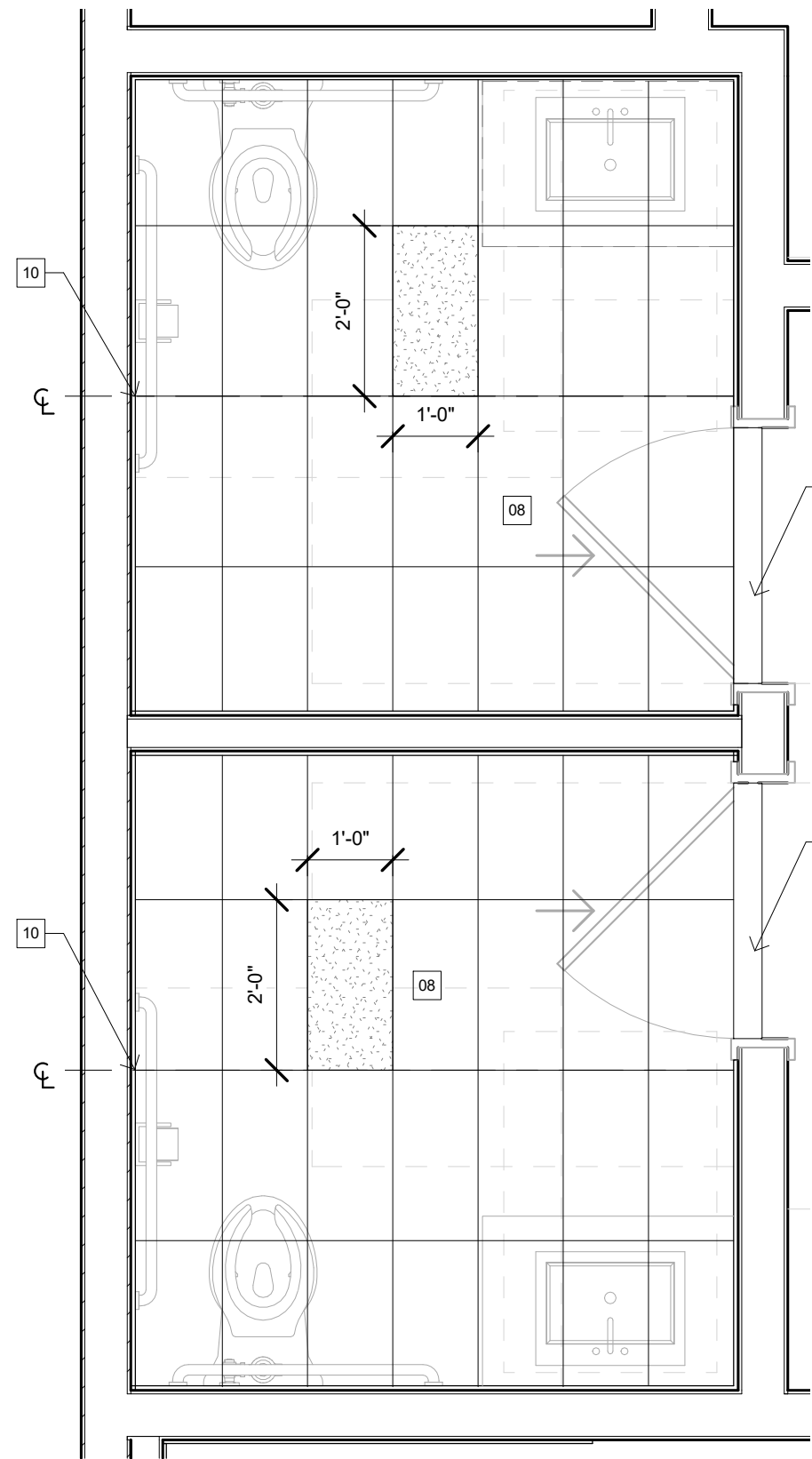
ENGINEER

REVISIONS		
No.	Description	Date

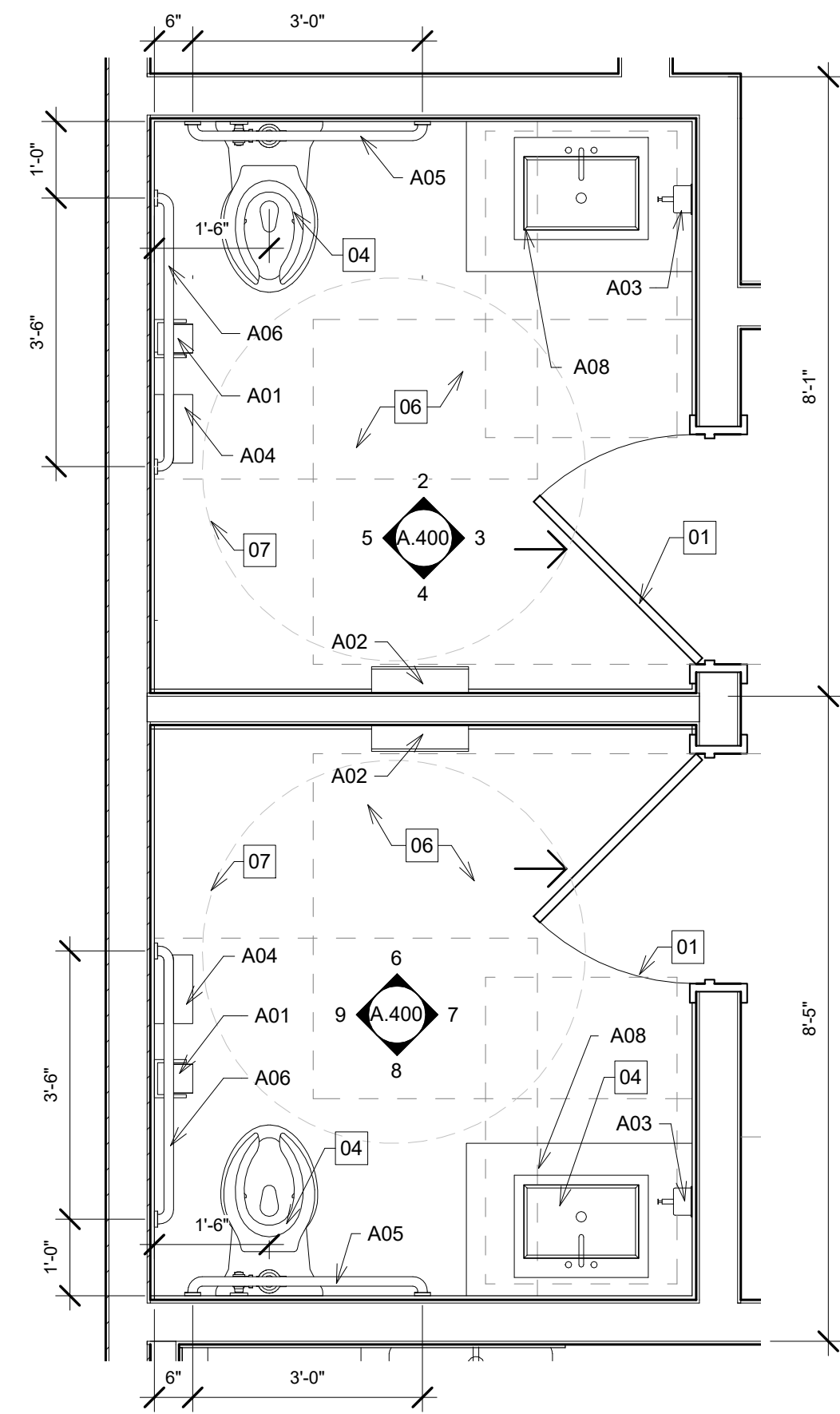
DATE ISSUED: 10/28/2022

SHEET:

A.300



10 RESTROOM ENLARGED TILE LAYOUT
A.400 1/2" = 1'-0"

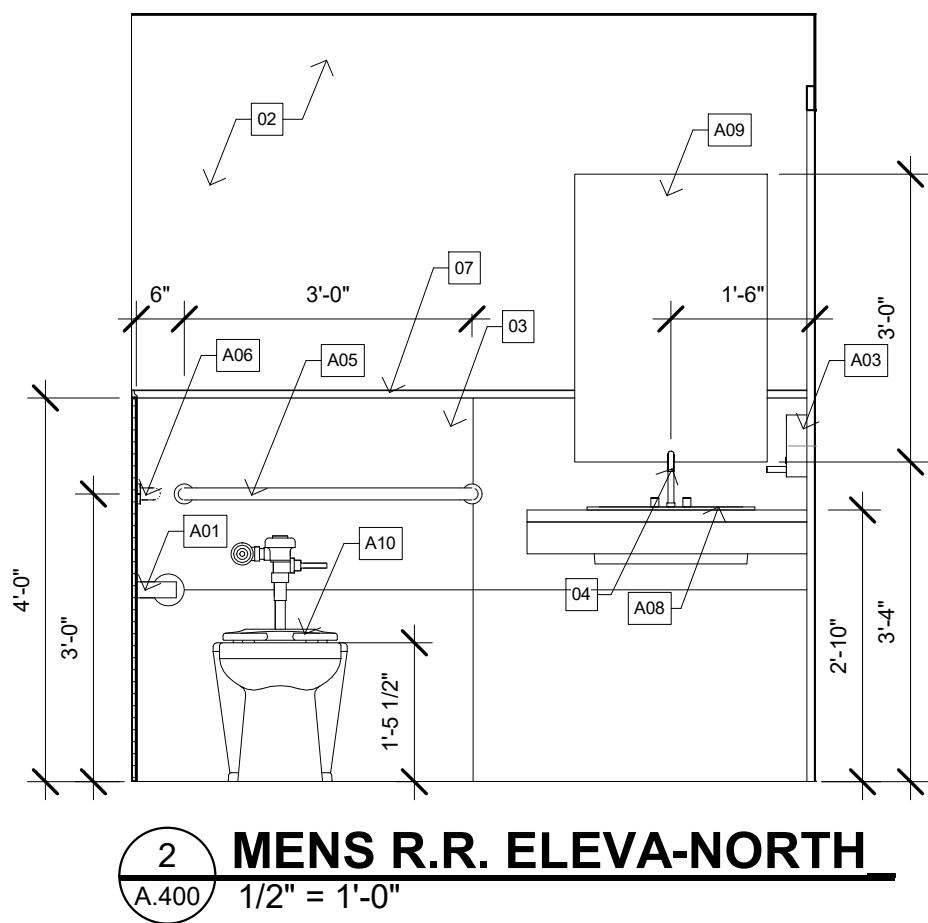


1 RESTROOM ENLARGED FLOOR PLAN
A.400 1/2" = 1'-0"

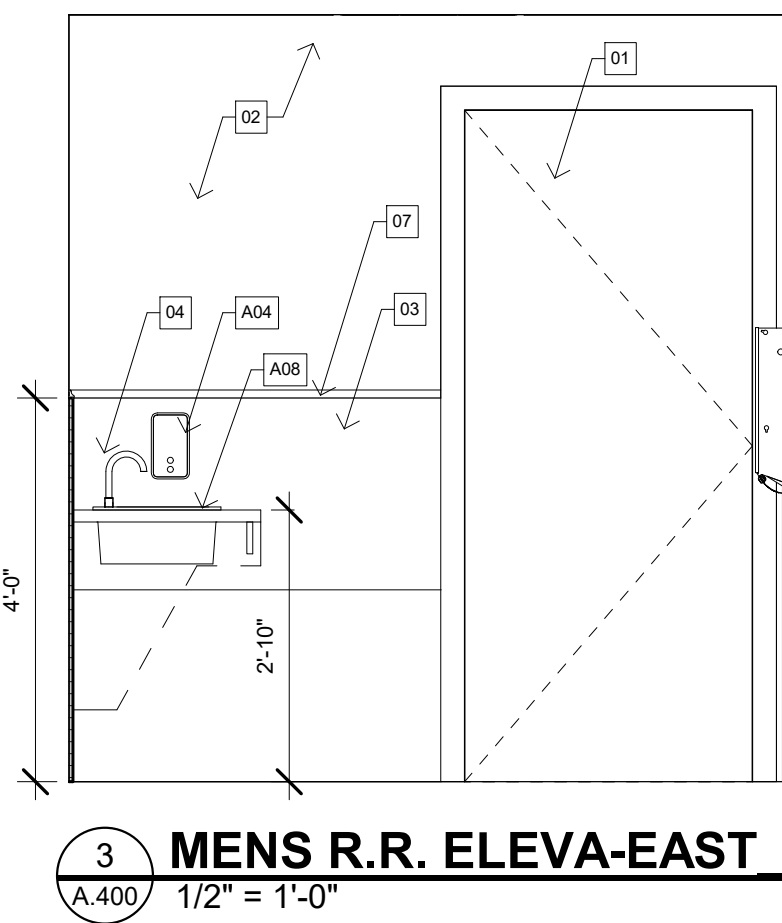
RESTROOM ACCESSORIES			
NO.	DESCRIPTION	MANUFACTURER	MODEL NO.
A01	SURFACE MTD MULTI-ROLL TOILET PAPER DISPENSER	BOBRICK	B-2888 SURFACE MOUNTED MULTI-ROLL
A02	PAPER TOWEL DISPENSER	BOBRICK	B-3944-S2 CONVERTIBLE
A03	SOAP DISPENSER PUMP	BOBRICK	B-2111
A04	SANITARY NAPKIN DISPOSAL	BOBRICK	B-254 SURFACE MOUNTED
A05	S.S. 1-1/4" GRAB BARS (36")	BOBRICK	B-5806X36
A06	S.S. 1-1/4" GRAB BARS (42")	BOBRICK	B-5806X42
A07	COAT HOOK	BOBRICK	B-542 STAIN FINISH STAINLESS STEEL
A08	LAVATORY SINK	BOBRICK	K-2035-1
A09	MIRROR - 24W x 36H	BOBRICK	B-165 2436
A10	TOILET	KOHLER	K-96057-0
A11	SERVICE SINK	ELKAY	LRAD1918603 STAINLESS STEEL

RESTROOM PLAN GENERAL NOTES:

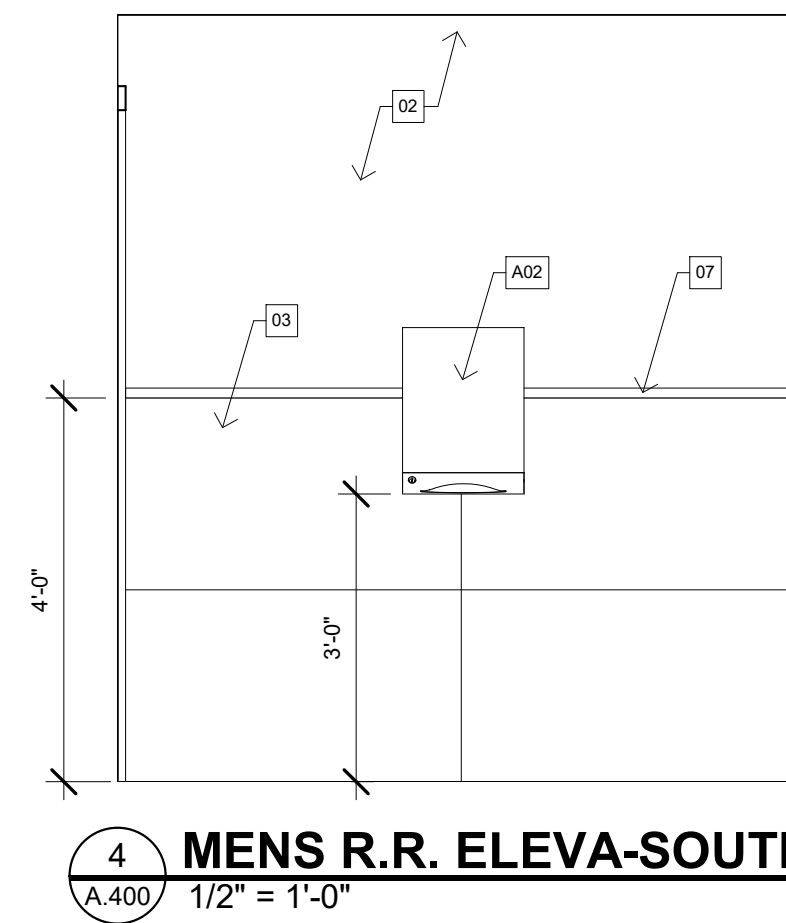
1. DOOR LOCATION SHALL BE 4 INCHES FROM NEAREST INTERSECTING WALL, OR CENTERED ON IT RESIDES, U.N.O.
2. ALL DIMENSIONS ARE TO FACE OF SLAB, FINISH FACE OF WALL, OR EDGE OF STRUCTURAL MEMBER, OR OF OBJECT, U.N.O.
3. TILE ALL WALLS UP TO 5'-0" HEIGHT.
4. REFER TO MEP DRAWINGS FOR PLUMBING AND FIXTURE SPECIFICATIONS.
5. ALL RESTROOM ACCESSORIES ARE TO BE PROVIDED/MANUFACTURED BY BOBRICK OR SIMILAR.
6. USE 5/8" TYPE X GREEN BOARD (WATER RESISTANT) AT ALL WET AREAS AND BEHIND ALL WALLS TO BE FINISHED IN CERAMIC TILE, U.N.O.
7. WALL PARTITIONS/Ceilings: SMOOTH, NON-ABSORBENT, EASILY CLEANABLE, & LIGHT IN COLOR (SEC. 20-21 216.D). POLICY OF "LIGHT IN COLOR": LIGHTER THAN DOVE GREY WITH LIGHT REFLECTANCE VALUE OF 40% OR GREATER.
8. RESTROOMS FLOORS SHALL HAVE SMOOTH, HARD, NON-ABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES PER SECTION 1210.1.
9. GRAB BARS SHALL HAVE ADEQUATE BLOCKING TO ENSURE CAPABILITY TO RESIST A SINGLE CONCENTRATED LOAD OF 250 POUND APPLIED IN ANY DIRECTION AT ANY POINT 1607.8 IBC 2015.



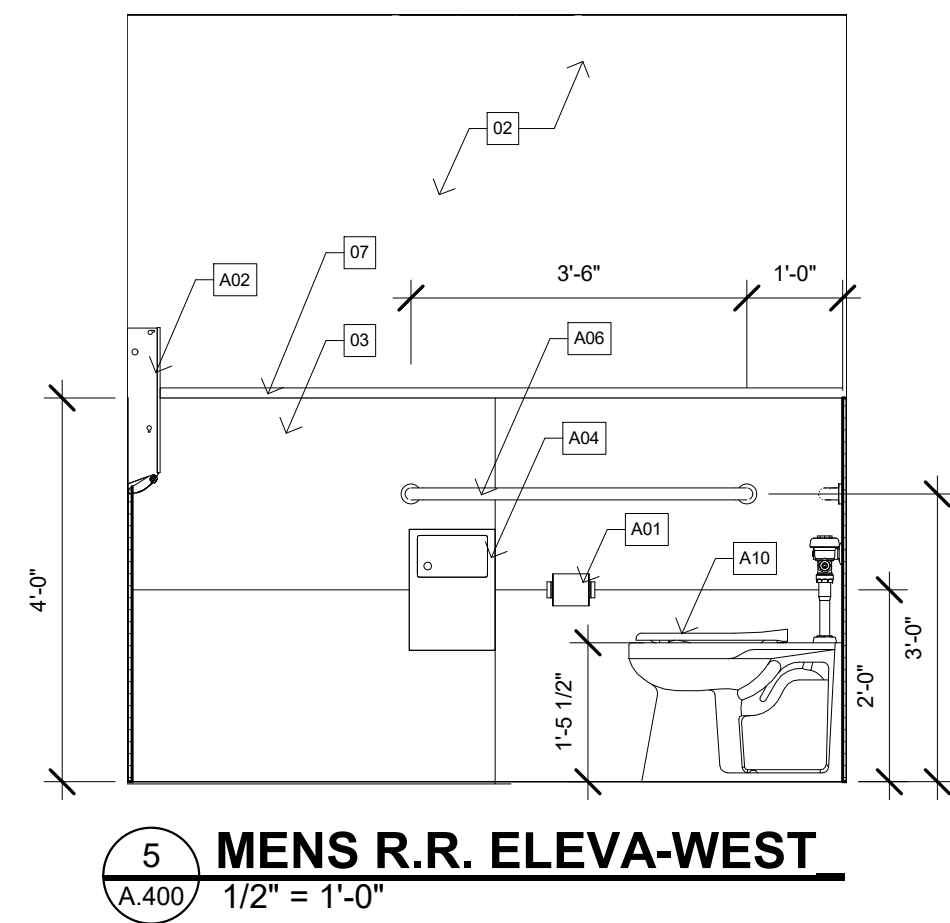
2 MENS R.R. ELEVA-NORTH
A.400 1/2" = 1'-0"



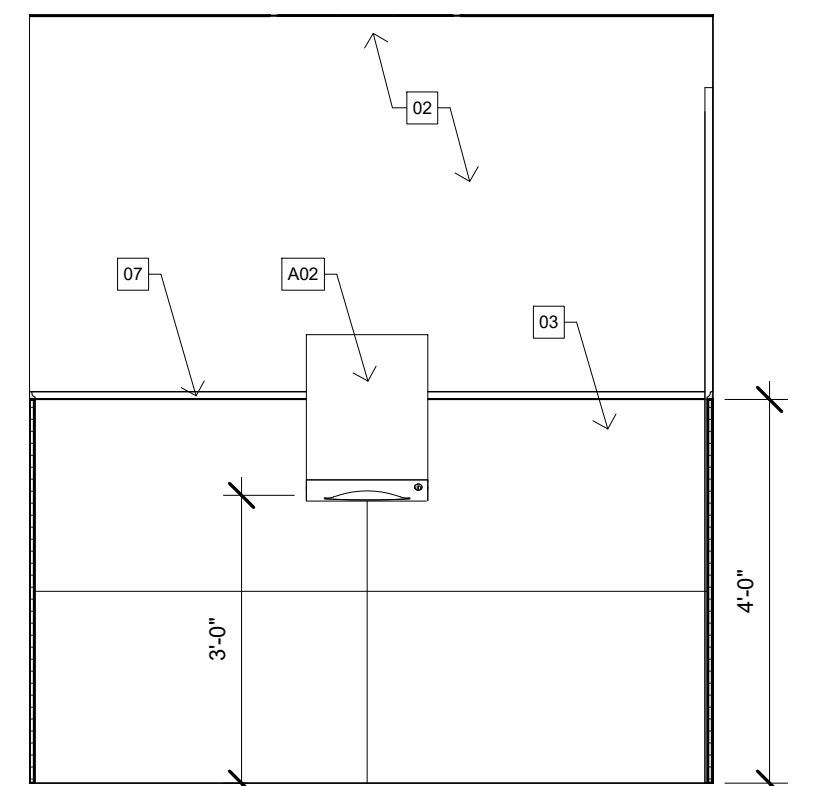
3 MENS R.R. ELEVA-EAST
A.400 1/2" = 1'-0"



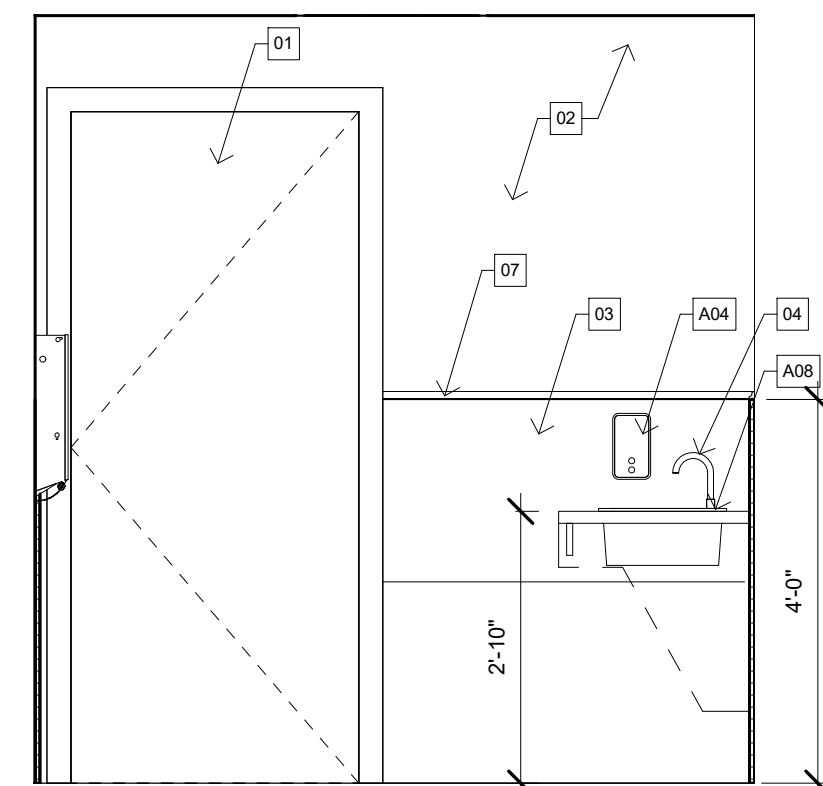
4 MENS R.R. ELEVA-SOUTH
A.400 1/2" = 1'-0"



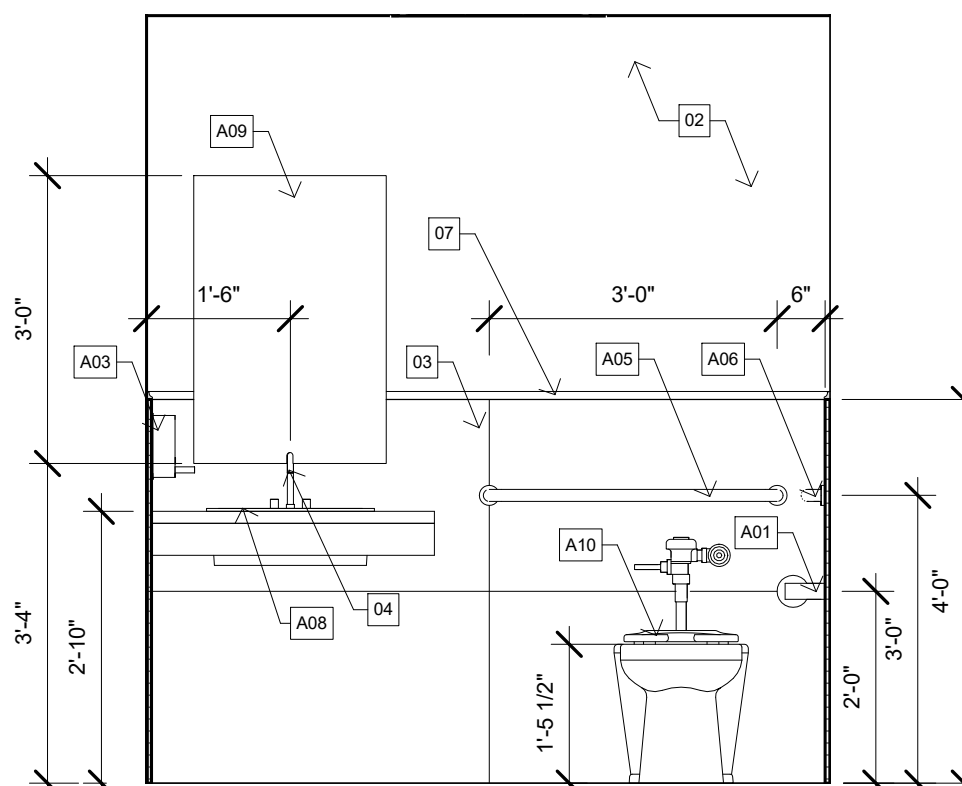
5 MENS R.R. ELEVA-WEST
A.400 1/2" = 1'-0"



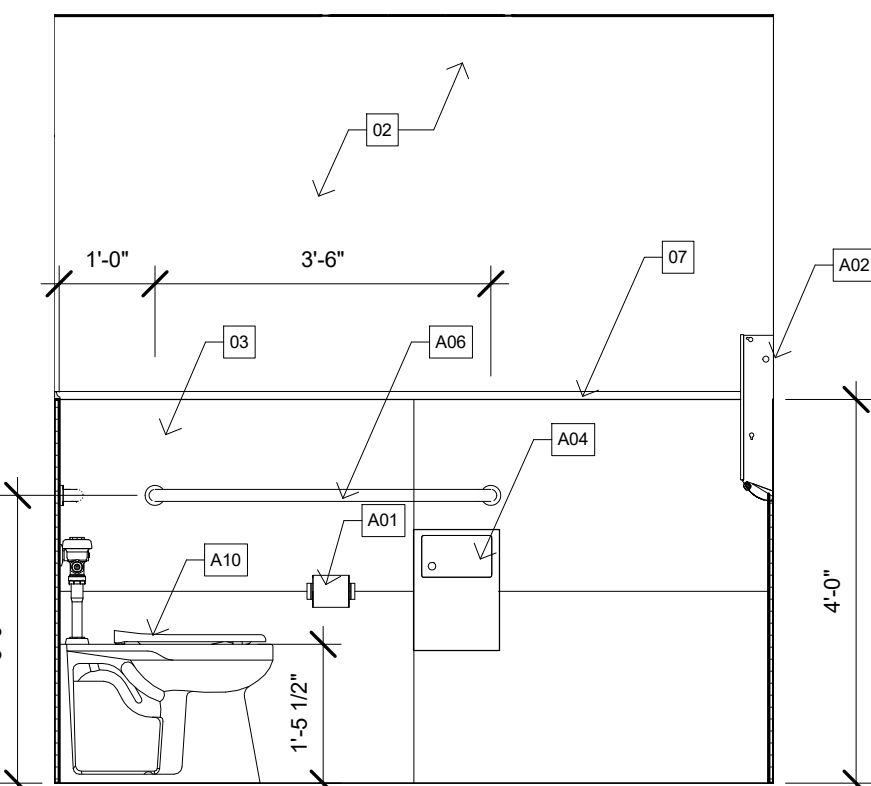
6 WOMENS R.R. ELEVA-NORTH
A.400 1/2" = 1'-0"



7 WOMENS R.R. ELEVA-EAST
A.400 1/2" = 1'-0"



8 WOMENS R.R. ELEVA-SOUTH
A.400 1/2" = 1'-0"



9 WOMENS R.R. ELEVA-WEST
A.400 1/2" = 1'-0"

ENLARGED PLAN GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSION PRIOR TO BEGINNING NEW CONSTRUCTION.
2. ALL DIMENSIONS ARE TO FACE OF SLAB, FACE OF STUD, CENTERLINE OR EDGE OF STRUCTURAL MEMBER, OR CENTERLINE OF OBJECT; U.N.O.
3. DOOR LOCATION TO BE 4" FROM NEAREST INTERSECTING WALL, OR CENTERED ON WALL IT RESIDES, U.N.O.
4. THE ARCHITECT OR ENGINEER SHALL NOT BE LIABLE FOR ANY CHANGES MADE BY THE OWNER, CONTRACTOR, INSPECTOR OR ANY OTHER PERSON INVOLVED DURING THE CONSTRUCTION PROCESS, WITHOUT A LETTER OF APPROVAL FROM THE ARCHITECT OR ENGINEER OF RECORD. THE ARCHITECT/ENGINEER RESERVES THE RIGHT OF APPROVAL OF SUCH CHANGES.
5. ALL GLAZING IN DOORS TO BE HUMAN-IMPACT-RESISTANT PER ANSI Z97.1975.
6. REFER TO A 700 SHEET SERIES FOR FINISH SCHEDULE, DOOR SCHEDULE, DOOR/WINDOW TYPES, DOOR/WINDOW DETAILS AND PARTITION TYPES.
7. USE 1/2" CEMENT BOARD AT ALL WET AREAS AND BEHIND ALL WALLS TO BE FINISHED IN TILE, U.N.O.

LEGEND:



PARTITION WALL

ENLARGED FLOOR PLAN KEYED NOTES:

NOT ALL KEY NOTES WILL BE USED ON THIS SHEET

- 01 SCHEDULED DOOR
- 02 SCHEDULED WALL FINISH, RE. FINISH SCHEDULE
- 03 WALL TILE, RE. FINISH SCHEDULE
- 04 SCHED. PLUMBING FIXTURE
- 05 SCHED. BASE
- 06 SCHED. FLOOR, RE. FINISH SCHEDULE
- 07 TRADITIONAL PANEL MOULDING RE. FINISH SCHEDULE
- 08 SCHED. FLOOR
- 09 4" THREESHOLD MATCH THE FLOOR
- 10 START AND TILE IN THE SAME DIRECTION MATCH WITH THE WALL TILE

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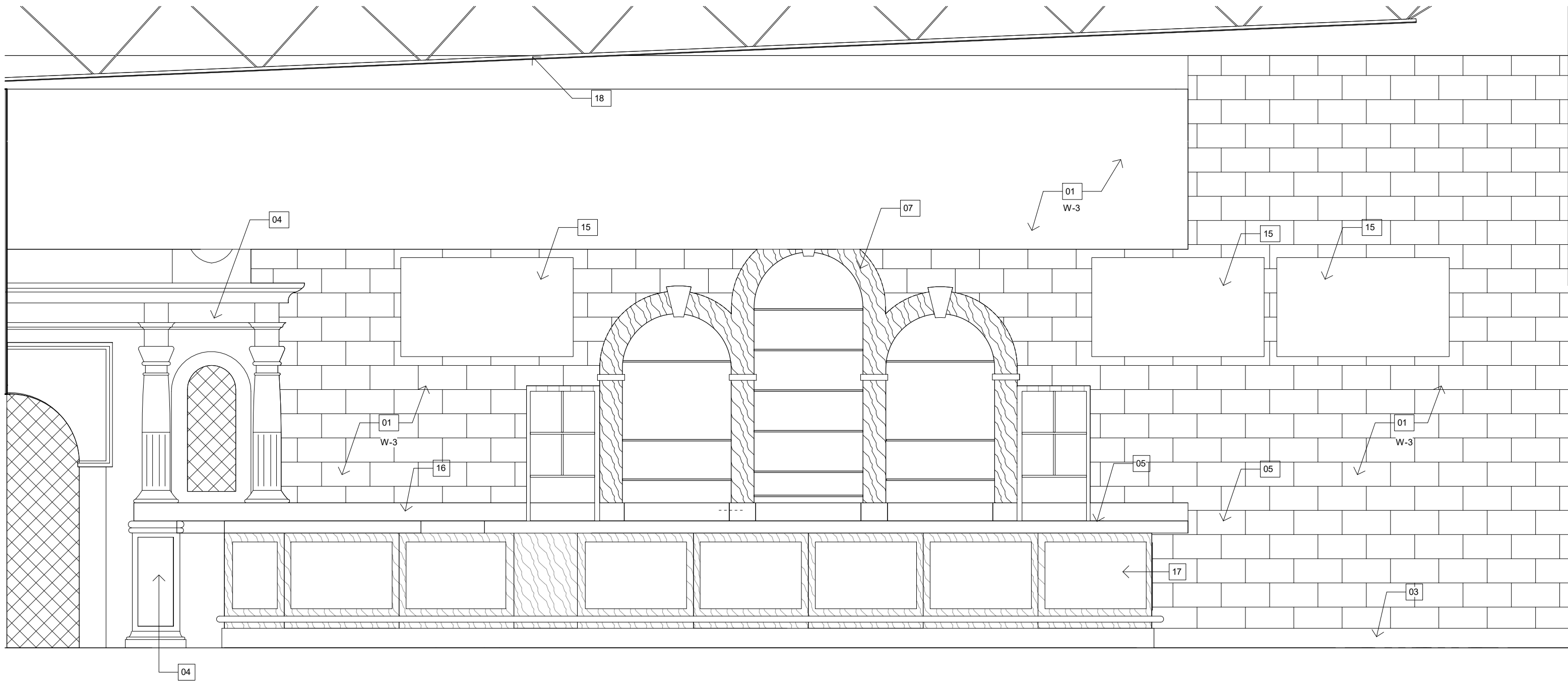
ENGINEER

REVISIONS		
No.	Description	Date

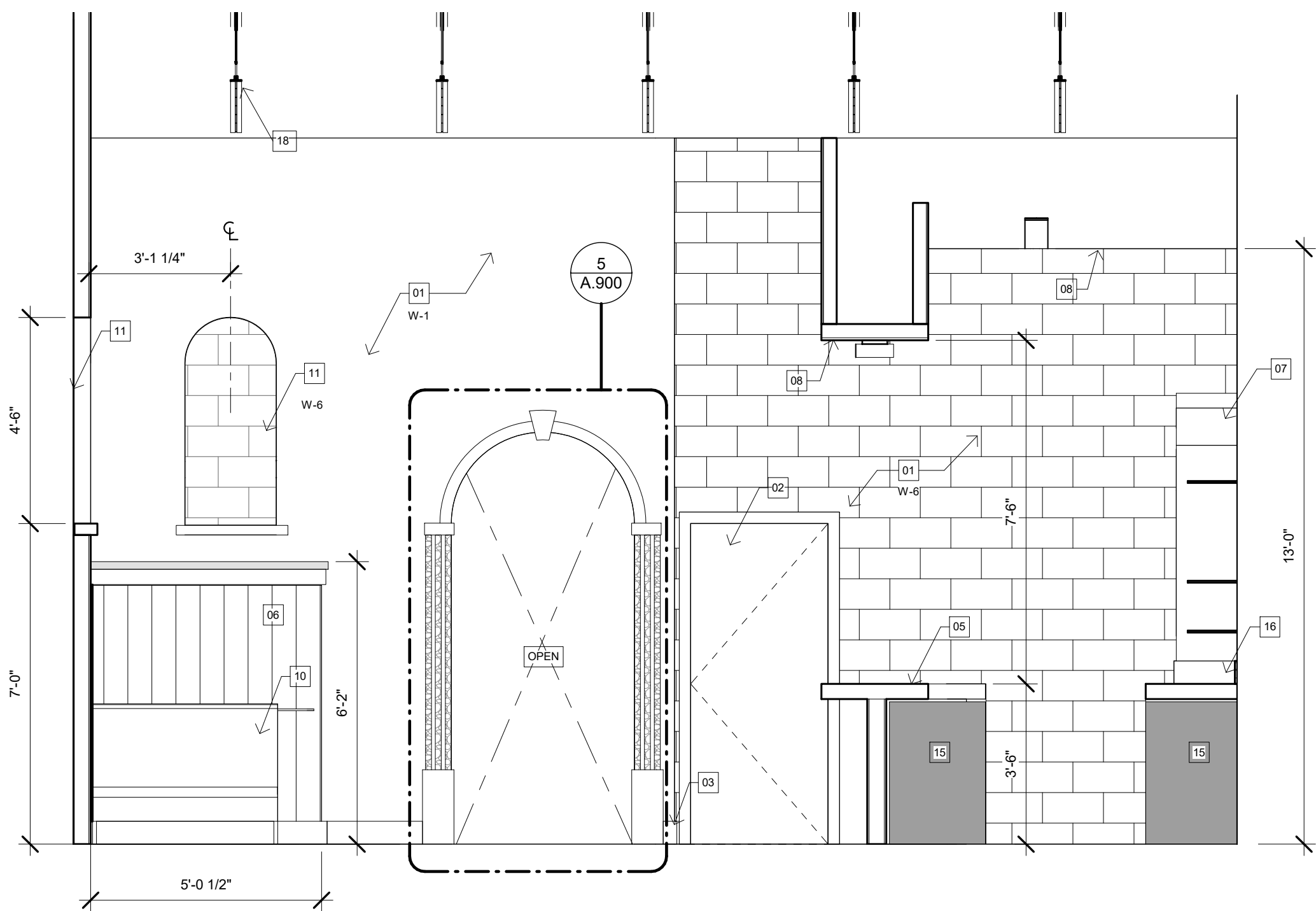
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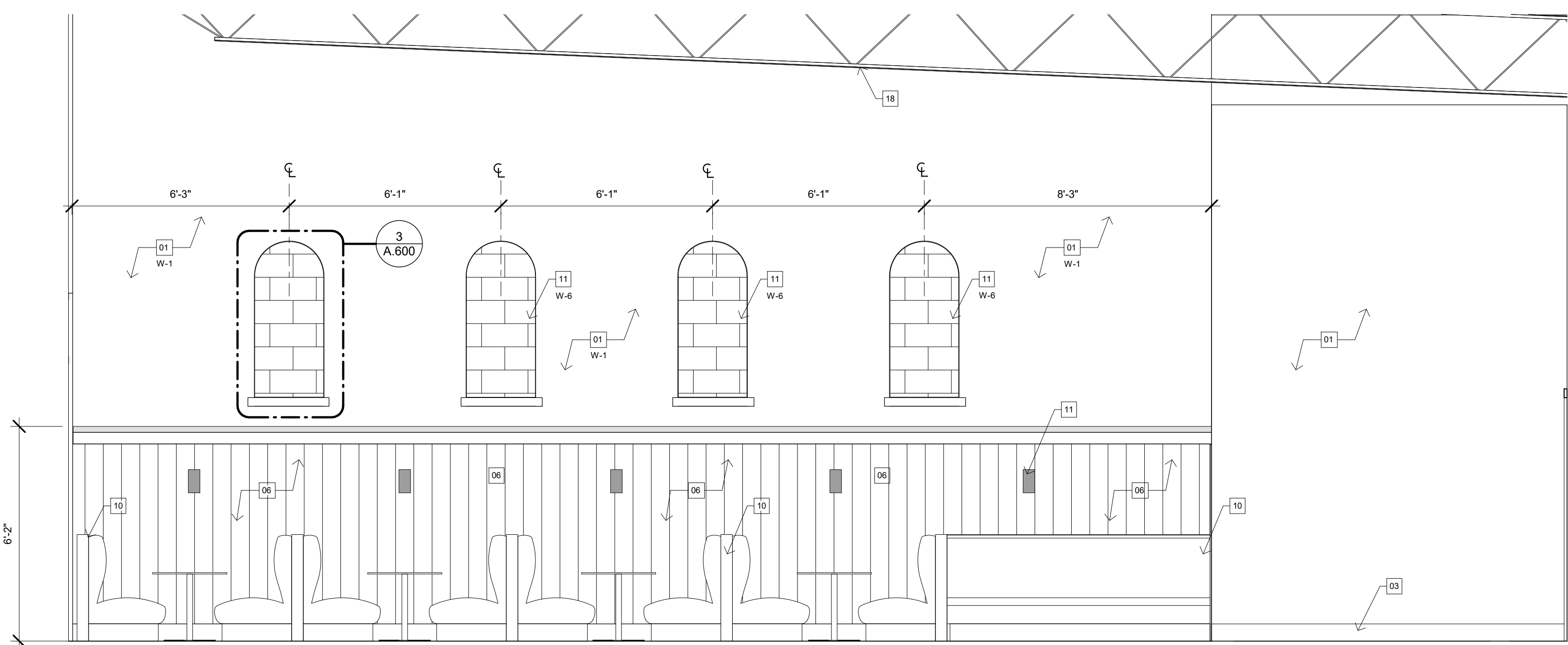
A.400



3 INT. EAST ELEV. DINING AREA
A.500 3/8" = 1'-0"



2 INT. NORTH ELEV. DINING AREA
A.500 3/8" = 1'-0"



1 INT. WEST ELEV. DINING AREA
A.500 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSION PRIOR TO BEGINNING NEW CONSTRUCTION.
2. ALL DIMENSIONS ARE TO FACE OF SLAB, FACE OF STUD, CENTERLINE OR EDGE OF STRUCTURAL MEMBER, OR CENTERLINE OF OBJECT, U.N.O.
3. THE ARCHITECT OR ENGINEER SHALL NOT BE LIABLE FOR ANY CHANGES MADE BY THE OWNER, CONTRACTOR, INSPECTOR OR ANY OTHER PERSON INVOLVED DURING THE CONSTRUCTION PROCESS, WITHOUT A LETTER OF APPROVAL FROM THE ARCHITECT OR ENGINEER OF RECORD. THE ARCHITECT/ENGINEER RESERVES THE RIGHT OF APPROVAL OF SUCH CHANGES.
4. ALL GLAZING IN DOORS TO BE HUMAN-IMPACT-RESISTANT PER ANSI Z97.1975.
5. REFER TO A.700 SHEET SERIES FOR FINISH SCHEDULE, DOOR SCHEDULE, DOOR/WINDOW TYPES, DOOR/WINDOW DETAILS AND PARTITION TYPES.
6. ALL CABINETS SHOULD MEET AWI CUSTOM STANDARDS.
7. ALL MILLWORK TO BE VERIFIED AND COORDINATED WITH OWNER SELECTED APPLIANCES PRIOR TO FABRICATION. MILLWORK SHOULD BE MODIFIED ACCORDINGLY TO FIT OWNER SELECTED APPLIANCES.
8. ALL MILLWORK SHELIVING TO BE ADJUSTABLE. CABINET DOORS ARE TO HAVE HIDDEN/CONCEALED HINGES. DRAWERS ARE TO HAVE SIDE-MOUNT DRAWER GLIDES. REFER TO THE LIGHTING SCHEDULE FOR INTERIOR LIGHT FIXTURES.

INTERIOR KEYED GENERAL NOTES:

NOT ALL KEY NOTES WILL BE USED ON THIS SHEET

- 01 SCHEDULED WALL FINISHED (RE.MATERIAL SCHEDULE)
- 02 SCHEDULE DOOR
- 03 SCHEDULE BASE
- 04 MURAL ARTWORK
- 05 SCHEDULE COUNTERTOP (RE.MATERIAL SCHEDULE)
- 06 MILLWORK WAINSCOTING WALL(REF. 900)
- 07 MILLWORK WINE RACK (REF.A600)
- 08 SCHEDULE CEILING (RE.MATERIAL SCHEDULE)
- 09 SCHEDULE CEILING FINISEH (RE.MATERIAL SCHEDULE)
- 10 CUSTOM BOOTH SEATING MILLWORK BY OWNER
- 11 NICHES WITH RECESSED WALLS
- 12 WOODEN WINDOW SILL W/ DOWEN LIGHT
- 13 WALL MOUNTED LIGHT
- 14 SCHEDULE EQUIPMENT
- 15 TV
- 16 BACKSPASH TILE (RE.MATERIAL SCHEDULE)
- 17 SCHED. COUNTER LAMINATE VENNEN VERTICAL; RE. FINISH MATERIAL SCHED.
- 18 EXISTING STEEL FRAME

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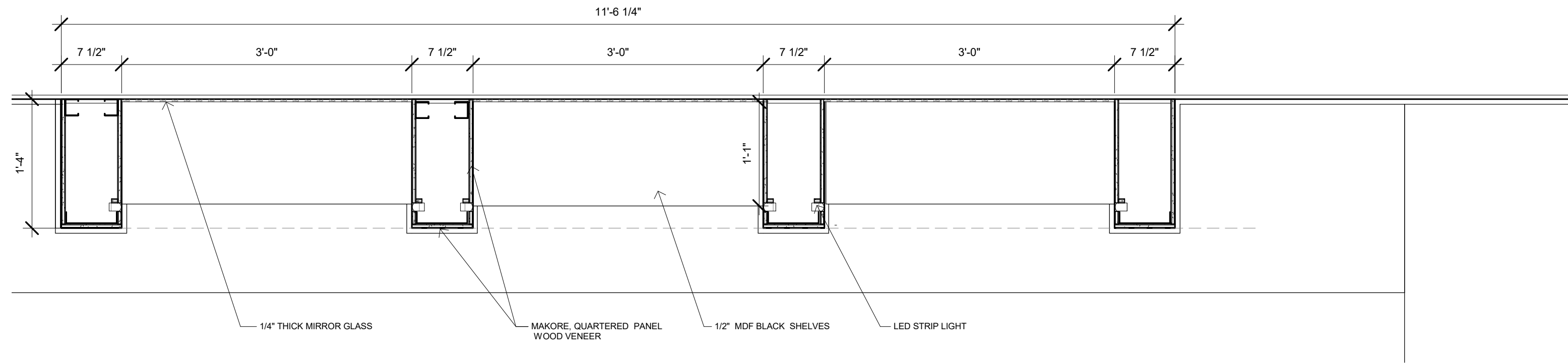
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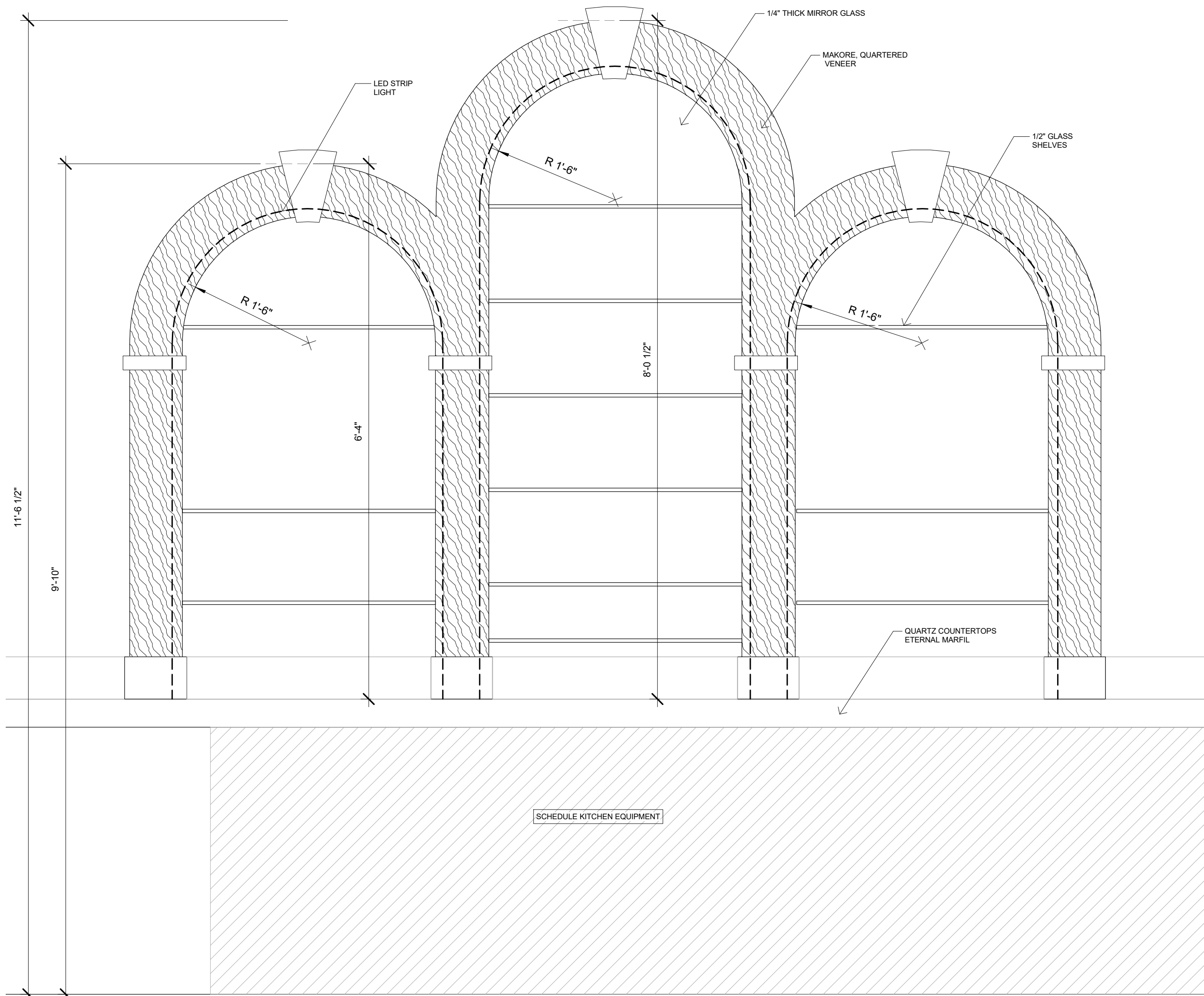
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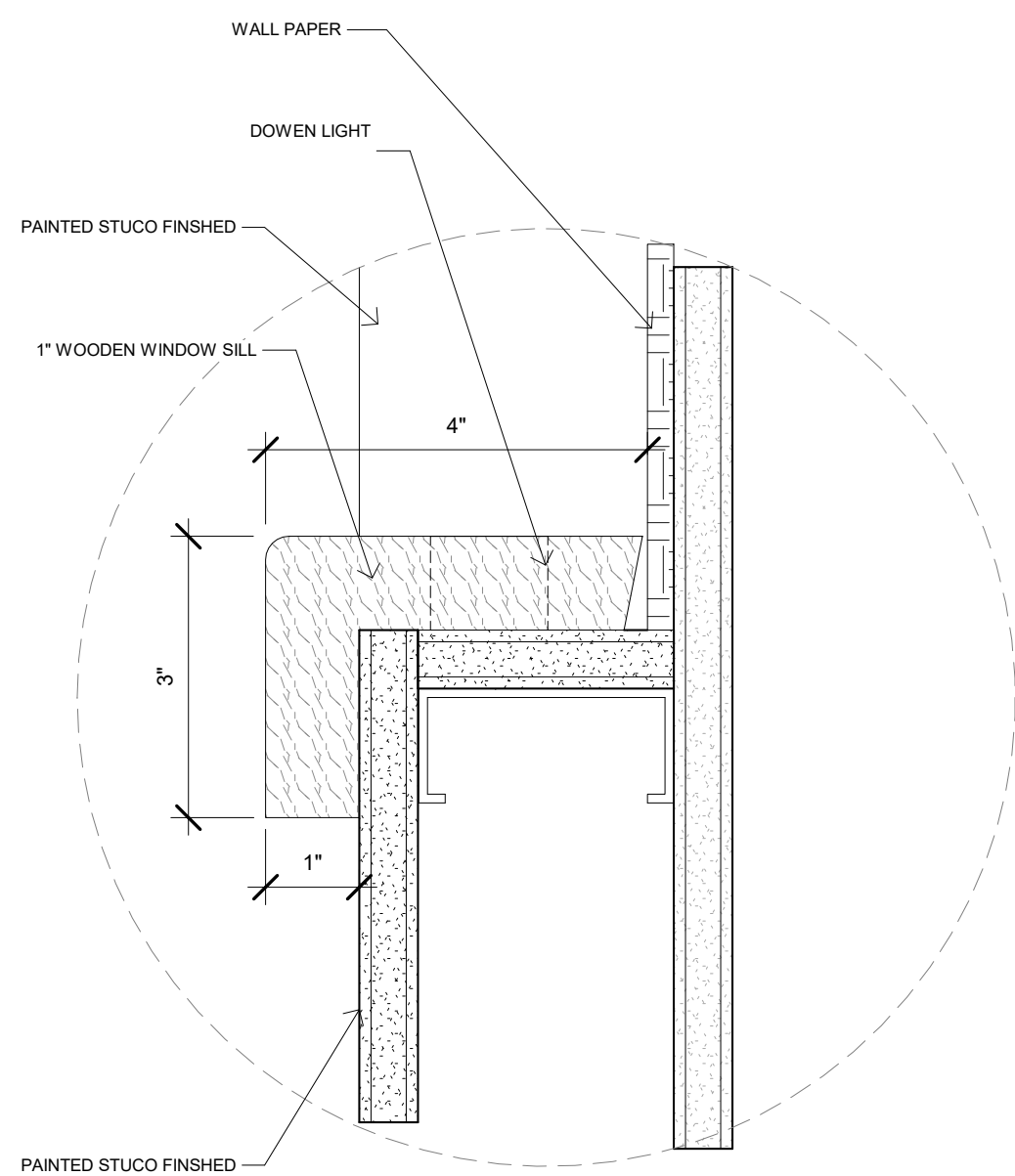
A.500



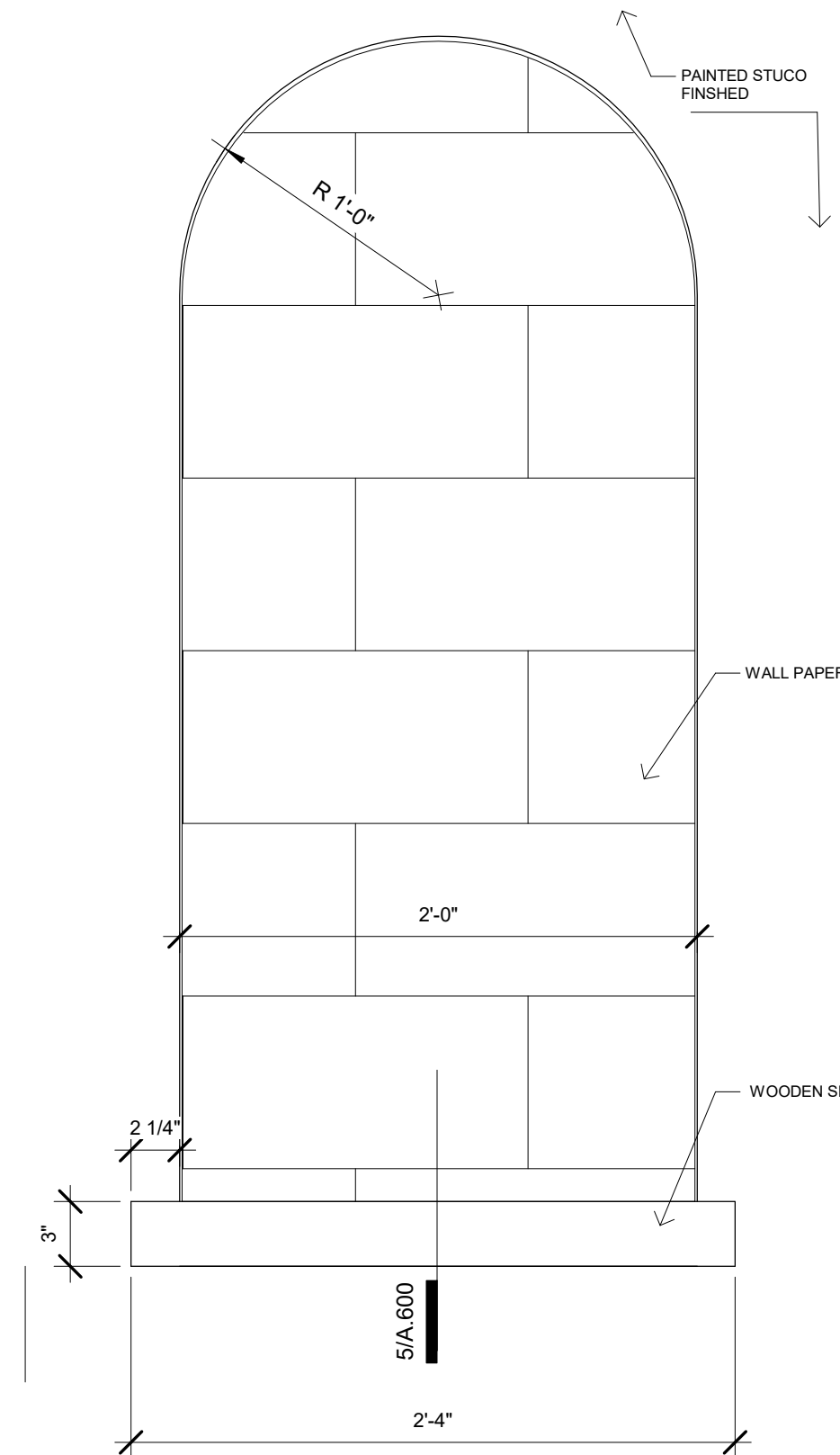
1 PLAN FOR WINE RACK
A.600 1" = 1'-0"



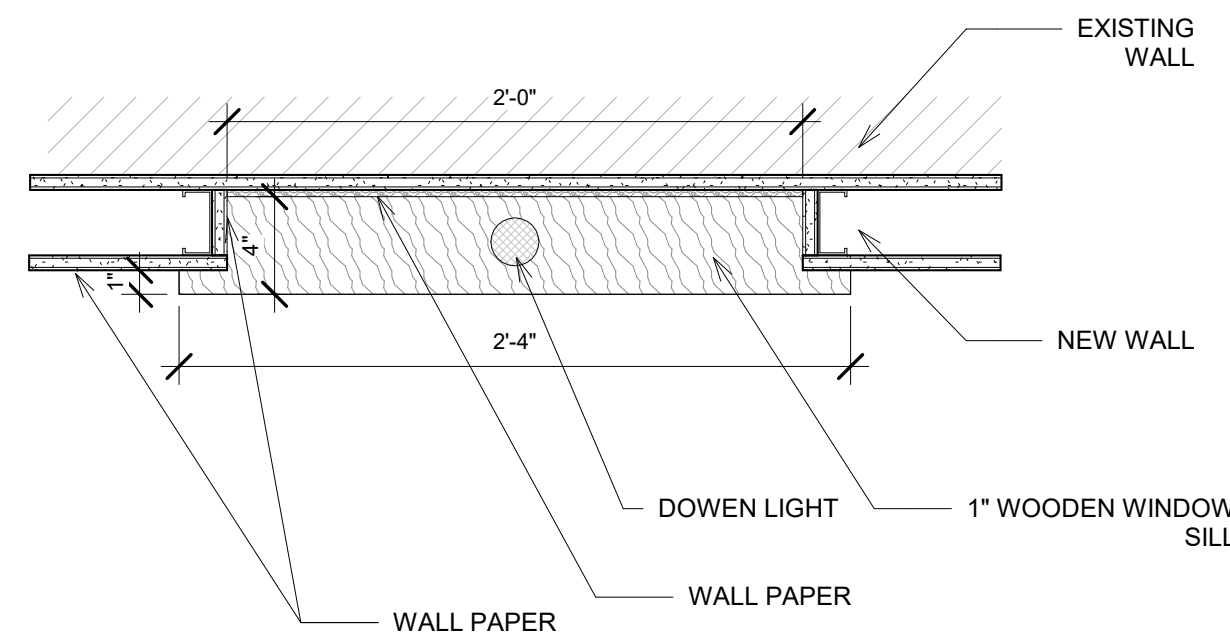
2 ELEV FOR WINE RACK
A.600 1" = 1'-0"



5 SECTION A
A.600 6" = 1'-0"



3 NICHE DETAILS
A.600 1 1/2" = 1'-0"



4 INT.WINDOW SILL
A.600 1 1/2" = 1'-0"

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A.600

INTERIOR FINISH REQUIREMENTS			
CHAPTER 8 & TABLE 803.9 IBC 2015			
OCCUPANCY GROUP	INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND EXIT ACCESS RAMPS	ROOMS AND ENCLOSED SPACES
A-2	A	B	C
FINISH NOTES			
ALL INTERIOR FINISH MATERIALS, INCLUDING WALLS, FLOORS, AND ACOUSTIC CEILINGS, SHALL MEET THE REQUIREMENTS AND LIMITATIONS PER IBC SECTIONS 803 THROUGH 805, AND TABLE 803.9			
CHAPTER 8, SECTION 804 IBC 2015			
SEC. 804.2 - INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS REQUIRED BY SECTION 804.2.2 TO BE OF CLASS I OR II MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH NFPA 253. THE CLASSIFICATION REFERRED TO HEREIN CORRESPONDS TO THE CLASSIFICATIONS DETERMINED BY NFPA 253 AS FOLLOWS: CLASS I, 0.45 WATTS/CM2 OR GREATER; CLASS II, 0.22 WATTS/CM2 OR GREATER			
SEC. 804.4.2 - IN ALL OCCUPANCIES, INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS IN ENCLOSURES FOR STAIRWAYS AND RAMPS, EXIT PASSAGEWAYS, CORRIDORS AND ROOMS OR SPACES NOT SEPARATED FROM CORRIDORS BY PARTITIONS EXTENDING FROM FLOOR TO THE UNDERSIDE OF THE CEILING SHALL WITHSTAND A MINIMUM CRITICAL RADIANT FLUX. THE MINIMUM CRITICAL RADIANT FLUX SHALL NOT BE LESS THAN CLASS I IN GROUPS I-2 AND I-3 AND NOT LESS THAN CLASS II IN GROUPS A, B, E, H, I-4, M, R-1, R-2 AND S.4			
EXCEPTION: WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, CLASS II MATERIALS ARE PERMITTED IN ANY AREA WHERE CLASS I MATERIALS ARE REQUIRED, AND MATERIALS COMPLYING WITH DOC FF-1 "PILL TEST" (CPSC 16 CFR PART 1630) OR WITH ASTM D 2859 ARE PERMITTED IN ANY AREA WHERE CLASS II MATERIALS ARE REQUIRED			
OCCUPANCY GROUP	REQUIRED CLASS	PROVIDED CLASS	ALLOWED CLASS WITH SPRINKLER
A-2	II	II	II

ROOM FINISH SCHEDULE						
ROOM #	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
101	REASTURANT DINING AREA	F-1	B-1	W-1W-5/W-6	C-4	
102	SERVING COUNTER	F-1	B-2	W-6	C-1	
103	CORRIDOR	F-1	B-1	W-1	C-3	
104	MENS R.R.	F-2	---	W-3	C-2	
105	WOMENS R.R.	F-2	---	W-3	C-2	
106	KITCHEN	F-1	B-2	W-2	C-1	
107	OFFICE	F-1	B-2	W-2	C-2	

FINISH MATERIALS					
ID	MATERIAL	MANUFACTURER	COLOR NO.	CLA...	DESCRIPTION
CEILINGS					
C-1	ACOUSTICAL CEILING TILES	ARMSTRONG	UN-PERFORATED CLEAN ROOM VL...	A	2X4 TILES, LRV 80
C-2	ACOUSTICAL CEILING TILES	ARMSTRONG	UN-PERFORATED CLEAN ROOM VL...	A	2X2 TILES, LRV 80
C-3	SUSPENDED GYPSUM BD CEILING	SHERWIN WILLIAMS	SW7005 PURE WHITE	A	SEMI-GLOSS PAINT, LRV 84
WALLS					
W-1	PAINTED STUCCO FINISHED	USG/SHERWIN WILLIAMNS	BY OWNER	A	UNIT FINISH
W-2	PAINTED GYPSUM BOARD	USG/SHERWIN WILLIAMNS	SW 7005 WHITE	A	SEMI-GLOSS,LRV 84
W-3	PORCELAIN TILE	KENRIDGE RIBBON BLACK		A	MATTE PORCELAIN WOOD LOOK TILE , 24 X 48 IN
W-4	PORCELAIN TILE	AMERICAN TILE DEPOT	GRAY	A	GIO GRAY GLOSSY 1" X 6" STACKED LINEAR PORCELAIN...
W-5	BEADBOARD PANEL	AMERICANBEADBOARD	DARK COLOR CODE	A	WAINSCOTING WALL UP TO 6 2" A.F.F...
W-6	WALL PAPER	WALLPAPER-BOULEVARD	WHITE GRAY BRICK	A	
W-7	FIBER REINFORCED PLASTIC WALL	MARLITE	P151 LIGHT GRAY, CLASS A 4'X8'X3/32"	A	WAINSCOT UP TO 48" A.F.F., LRV 61
FLOORS					
F-1	POLISHED CONCRETE	ASHTON-SAWING	NATURAL	I-A	POLISHED-FINISH
F-2	PORCELAIN TILE	TILEBAR	MATTE SILVER	I-A	BOND NIMBUS SILVER MATTE 12X24 IN
BASE					
B-1	1X6 WOOD BASE	AMERICANBEADBOARD	DARK COLOR CODE	I-A	
B-2	6" RUBBER BASE	ROPPE	700 SERIES / 110 BROWN	I-A	
COUNTERTOPS					
ST-1	QUARTZ	MISISURFACE	BLACK -QSL-MIDMAJ-2CM	I-A	KITCHEN COUNTERTOP
ST-2	QUARTZ	MISISURFACE	WHITE-WARM -QSL-NEWCALALAZA-2CM	I-A	BATHROOM COUNTERTOP
MISCELLANEOUS					
M-1	MILLWORK LAMINATED VENEER	BY OWNER	MAKORE, QUARTERED PANEL	I-A	SERVICE COUNTERTOP
M-2	FOOT RAILING	ETSY.COM	BLACK	I-A	Custom foot railing Metal steel cast iron Bar
M-3	PURSE HOLDER	avadenai.com	BLACK	I-A	Magnuson Purse Hook YIN-PH - Under Shelf - Single Prong



WALLPAPER : WHITE GRAY BRICK W-6



BATHROOM WALL : KENRIDGE RIBBON BLACK 24X48 MATTE PORCELAIN WOOD LOOK TILE W-3



BACKSPASH : GIO GRAY GLOSSY LINEAR PORCELAIN MOSAIC TILE W-4



COUNTERTOP : BLACK QUARTZ ST-1



COUNTERTOP PANEL MAKORE, QUARTERED PANEL M-1



CUSTOM FOOT RAILING METAL STEEL CAST IRON BAR



PURSE HOOK UNDER SHELF

DOOR SCHEDULE											
TYPE	DOOR					FIRE RATING	HARDWARE	FRAME			COMMENTS
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH			TYPE	MATERIAL	FINISH	
A	5'-10"	8'-0"	1 3/4"	ALUM/GLASS	CLEAR ANODIZED	---	01	STOREFRONT	ALUM	CLEAR ANODIZED	EXISTING ENTRY/EGRESS DOOR
B	3'-0"	7'-0"	1 1/2"	HARDWOOD LAMINATE	LAMINATE	---	03	DRYWALL	MTL	PAINT	BATHROOM DOOR
C	3'-0"	7'-0"	1 1/2"	STAINLESS STEEL	STAINLESS STEEL	---	04	DRYWALL	MTL	STAINLESS STEEL	SELF CLOSING DOOR
D	2'-6"	6'-8"	1 1/2"	HARDWOOD LAMINATE	LAMINATE	---	03	DRYWALL	MTL	PAINT	OFFICE DOOR
E	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	CLEAR ANODIZED	---	02	EXT.	HM	CLEAR ANODIZED	EXISTING ENTRY/EGRESS DOOR

DOOR HARDWARE GROUPS:

NOTE: GC SHALL COORDINATE WITH OWNER FOR SPECIFIC NEEDS FOR LOCKING MECHANISM PRIOR TO PURCHASE OR INSTALLATION

ALL EXIT DOORS SHALL HAVE SELF CLOSING HARDWARE AND SHALL HAVE THE CAPABILITY TO NOT FAIL IN A 'DOOR OPEN' POSITION IN THE EVENT OF A CLOSER FAILURE. NO EXCEPTIONS

GROUP 1
ENTRY/EGRESS - DOUBLE EXTERIOR GLASS/METAL DOORS

1 EA CONT. HINGE
1 EA PANIC HARDWARE
1 RIM HOUSING
1 EA SFIC CONST. CORE
1 EA SFIC CORE
1 EA DOOR PULL
1 EA DOOR PUSH
1 EA CLOSER - PARALLEL ARM
1 EA DOOR SWEEP
1 THRESHOLD
1 EA SEALS

GROUP 03
INTERIOR RESTROOMS DOOR
2 EA- HINGE HANDLE
1 SET- CLOSURE PARALLEL ARM
1 SET- DEADBOLT
1 EA- DOME STOP

GROUP 2
ENTRY/EGRESS - SINGLE EXTERIOR GLASS/METAL DOORS

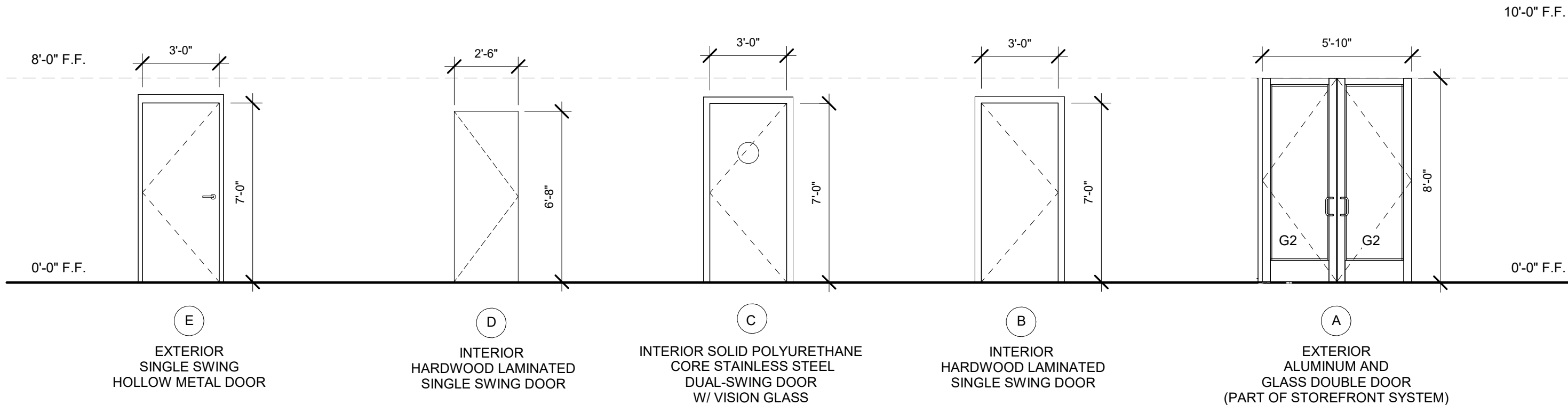
1 EA CONT. HINGE
1 EA PANIC HARDWARE
1 RIM HOUSING
1 EA SFIC CONST. CORE
1 EA SFIC CORE
1 EA DOOR PULL
1 EA DOOR PUSH
1 EA CLOSER - PARALLEL ARM
1 EA DOOR SWEEP
1 THRESHOLD
1 EA SEALS

GROUP 04
INTERIOR DUAL-ACTING SWING DOORS
1 EA- DUAL-ACTING SWING HINGE
2 EA- PUSH PLATES
2 EA- KICK PLATES

GLAZING SCHEDULE				
MARK	DESCRIPTION	U-FACTOR	SHGC	TYP. PRODUCT
G1	1" INSULATED, CLEAR, LOW-E	0.29	0.25	PPG SOLARBAN 60 - SOLARGRAY+CLEAR
G2	1" INSULATED, CLEAR, LOW-E, TEMPERED	0.29	0.25	PPG SOLARBAN 60 - SOLARGRAY+CLEAR

DOOR GENERAL NOTES:

- ALL EXTERIOR DOORS TO BE WEATHER STRIPPED WITH CONTINUOUS COPPER AT HEAD, JAMB AND SILLS.
- ALL THRESHOLDS TO BE ALUMINUM WITH BRUSHED ALUMINUM FINISH. THRESHOLDS TO BE NO GREATER THAN 1/2" ABOVE INTERIOR FINISHED FLOOR AND SHALL BE BEVELED WITH SLOPE NOT GREATER THAN 1:2.
- ALL FINISHED HARDWARE TO BE SELECTED BY OWNER.
- ALL GLASS IN DOORS TO BE TEMPERED AND HUMAN IMPACT RESISTANT.
- ALL BOTTOMS OF DOORS TO BE STAINED AND/OR PAINTED. NO UNFINISHED EDGES WILL BE ALLOWED.
- ALL HINGES TO BE 3-1/2"x3-1/2" BUTTS, MINIMUM. HINGES TO BE REMOVED PRIOR TO STAINING AND OR PAINTING. DO NOT APPLY FINISH TO ANY FINISH HARDWARE.
- 1-3/8" SOLID CORE DOORS AT INTERIOR, UNLESS NOTED OTHERWISE; RE: DOOR SCHEDULE.
- 1-3/4" SOLID CORE DOORS AT EXTERIOR, UNLESS NOTED OTHERWISE; RE: DOOR SCHEDULE.
- ALL DOORS IN FIRE-RATED WALLS SHALL BE FIRE-RATED IN COMPLIANCE WITH TABLE 716.5 (2012 IBC).



DOOR GRAPHIC SCHEDULE
1/4" = 1'-0"

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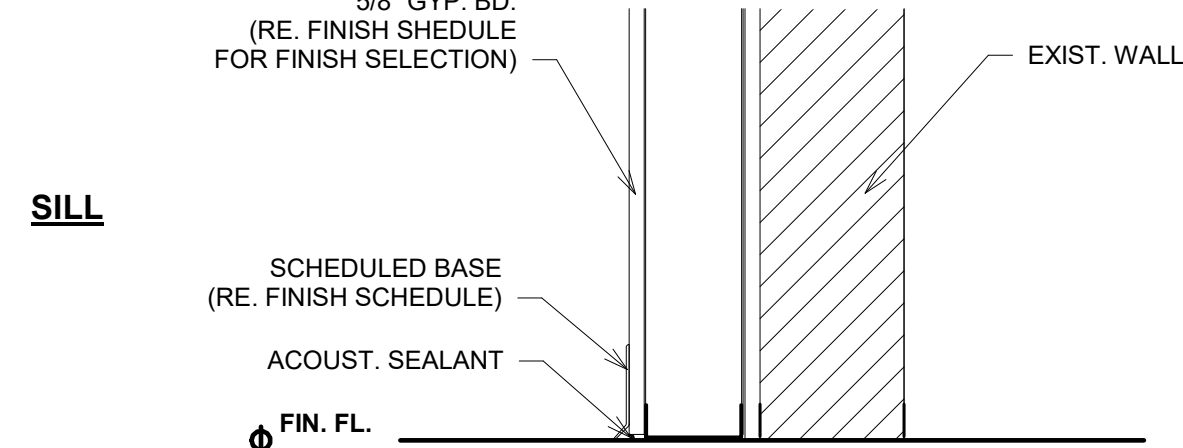
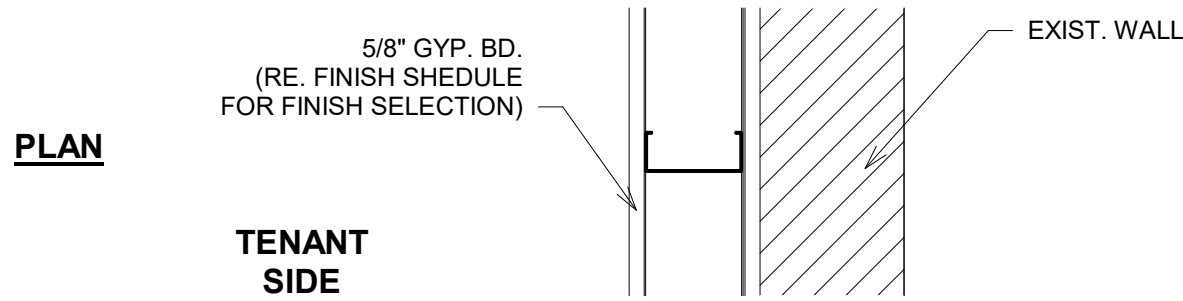
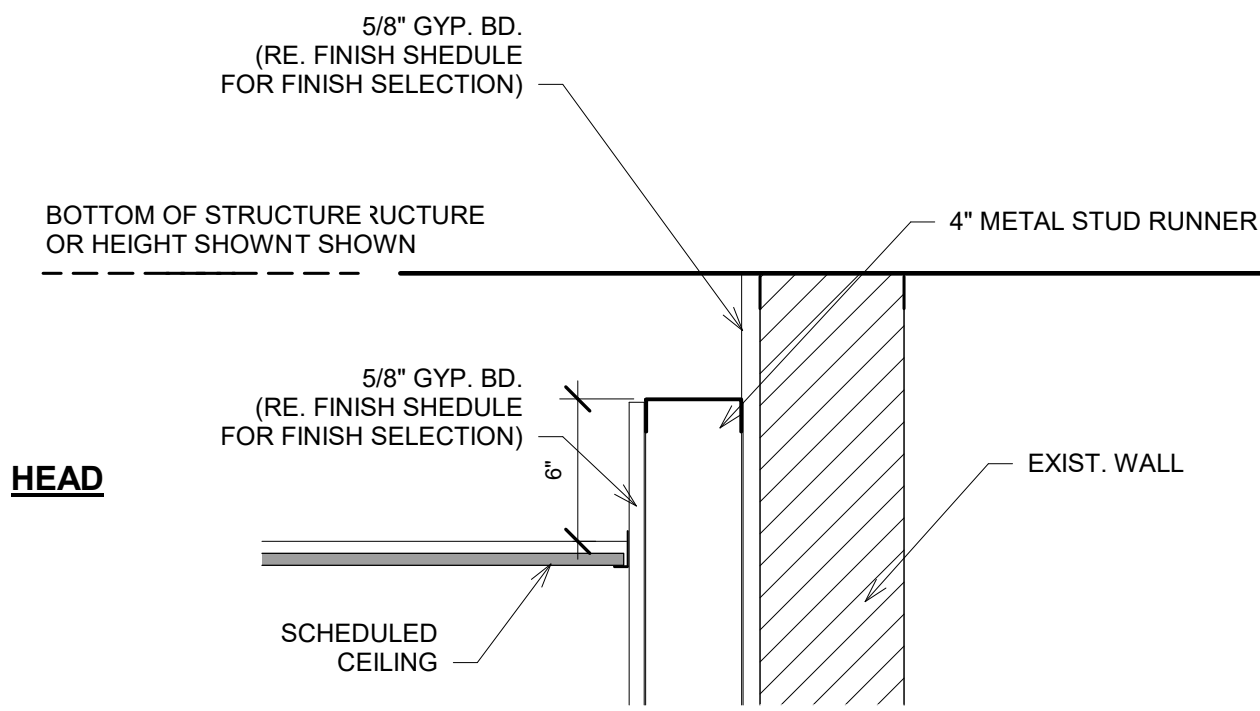
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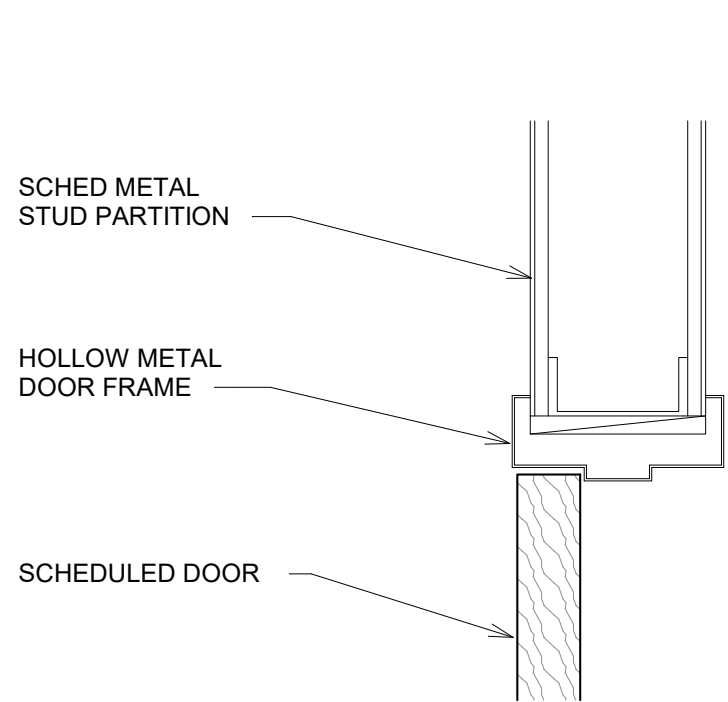
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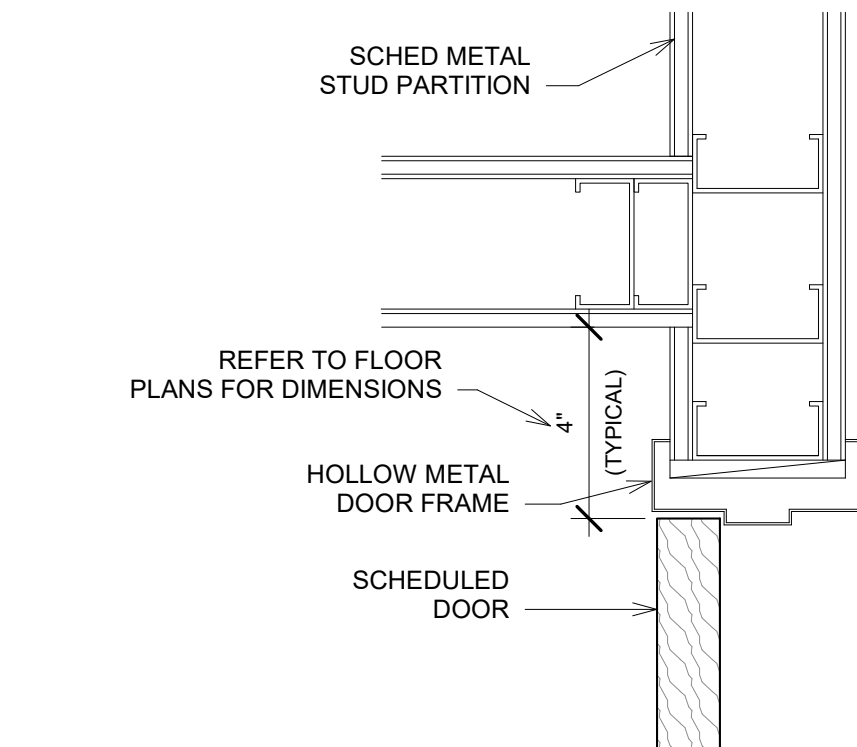
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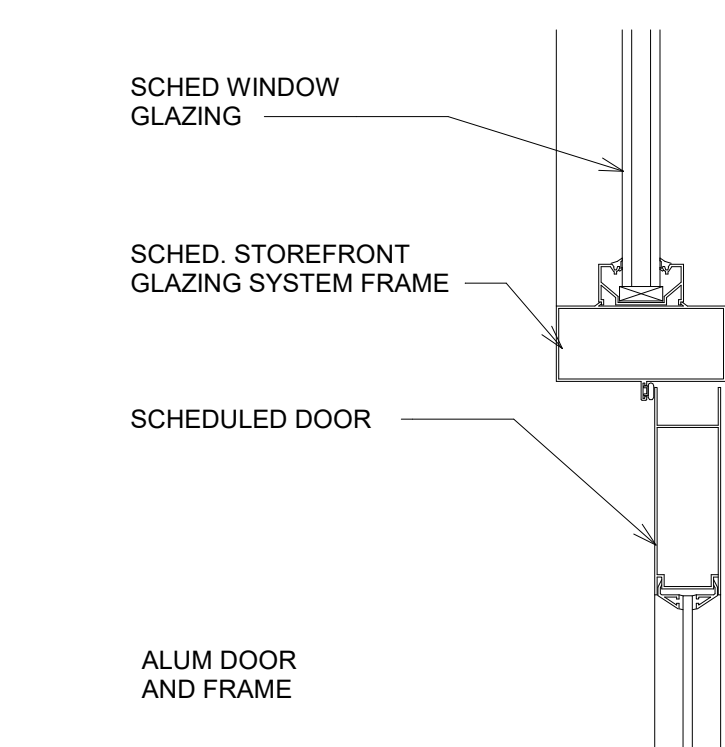
INTERIOR WALL				
TYPE	RATING	TEST	WIDTH	NOTES
D.2	---	---	5-1/4"	INTERIOR PARTITION



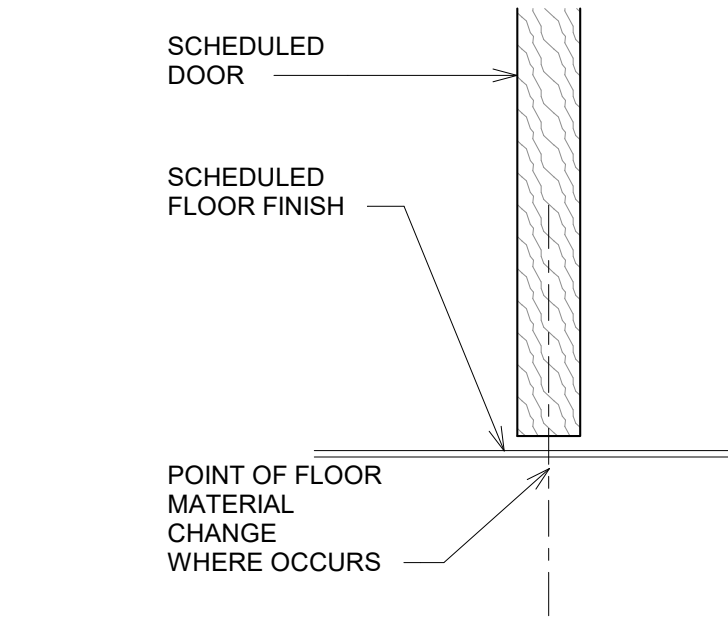
2 INT. DOOR HEAD
A.710/ 3" = 1'-0"



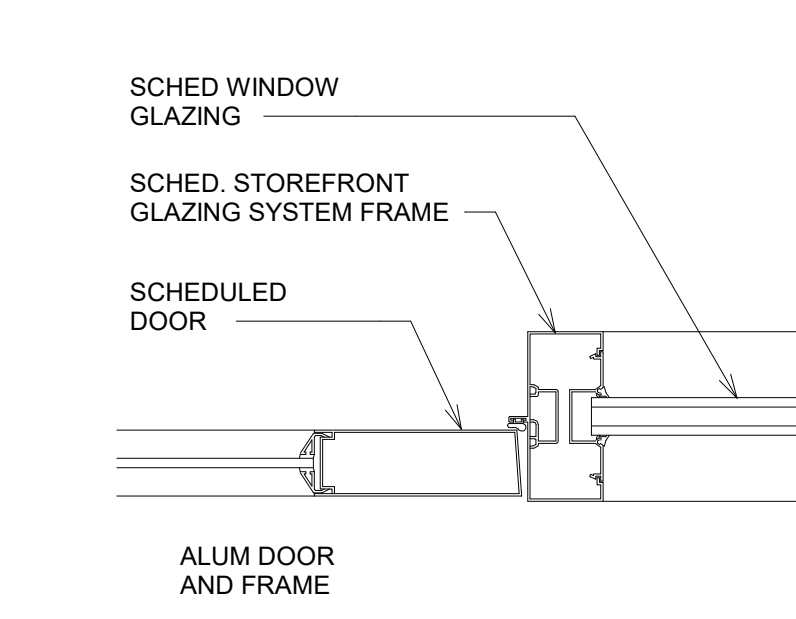
4 INT. DOOR JAM
A.710/ 3" = 1'-0"



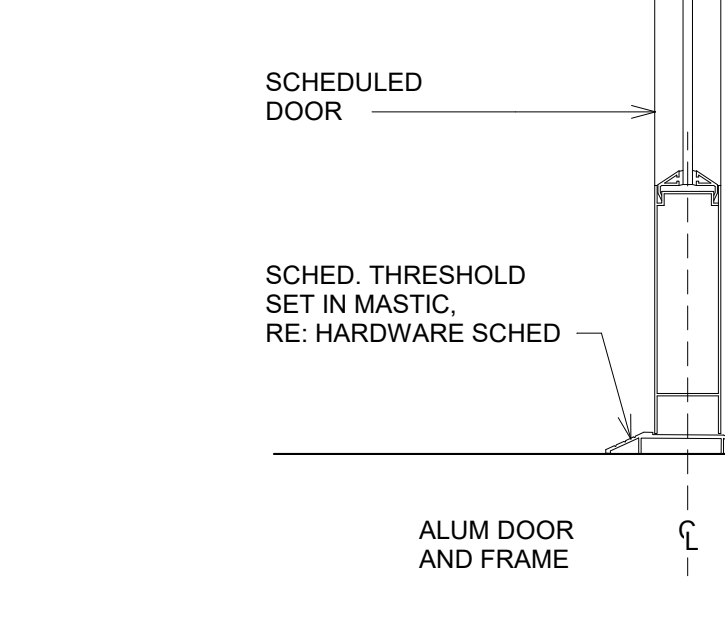
6 EXT. DOOR HEAD
A.710/ 3" = 1'-0"



3 INT. DOOR SILL
A.710/ 3" = 1'-0"



7 EXT. DOOR JAMB
A.710/ 3" = 1'-0"



5 EXT. DOOR SILL
A.710/ 3" = 1'-0"

WALL TYPE GENERAL NOTES:

- TENANT SHALL COORDINATE REQUIREMENTS FOR INTERIOR GYPSUM BOARD AND SHALL ASSURE GYPSUM BOARD INSTALLED SHALL MEET UL ASSEMBLY REQUIREMENTS INCLUDING NO. OF LAYERS REQUIRED, TYPE, AND INSTALLATION DETAILS.
- ALL GYP. BD. AT RATED CORRIDORS SHALL BE 5/8" TYPE 'X'. NO EXCEPTIONS.
- ALL GYP. BD WHERE GYPSUM WALL BOARD IS SCHEDULED FINISH IN THE WET AREAS (RESTROOMS, UTILITY ROOMS), PROVIDE "TYPE X" "WATER RESISTANT" BOARD AND ACHIEVE HOURLY WALL RATING, SEAL GYPBD. W/ WATER BORNE EPOXY PAINT.
- AT FIRE RATED PARTITIONS, SEAL TIGHT TO STURCTURAL DECK AND FILL DECK FLUTES WITH FORE SAFING OR AS APPROVED BY THE FIRE MARSHALL. STENCIL "FIRE RATED WALL - PROTECTED OPENING" ABOVE CEILING.
- AT PARTITIONS WHERE SOUND ATTENUATION BATTS ARE SCHEDULED, CONTINUOUS ACOUSTICAL SEALANT ON BOTH SIDES IS REQUIRED, NO BACK TO BACK SWITCHES, OUTLET BOXES, ETC.
- COORDINATE MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH FIRE RATED PARTITIONS WITH MEP PLANS. FIRE RATED CAULK SHALL BE APPLIED AROUND ALL PENETRATIONS, SEAL TIGHT. NO EXCEPTIONS.
- ALL WALLS SHALL MEET OR EXCEED REQUIREMENTS PER UL DESIGN LISTED. ALL MEANS, METHODS AND PROCESS FOR ASSEMBLY SHALL BE THE CONTRACTORS RESPONSIBILITY AND IN NO WAY SHALL COMPROMISE THE REQUIREMENTS OF THE UL ASSEMBLY LISTED.

ENVELOPE INSULATION R-VALUE REQUIREMENTS			
PER TABLE C402.1.3, 2015 IECC			
	CLIMATE ZONE 2A		PROVIDED
	ALL OTHERS	GROUP R	
ROOF			
INSULATION ENTIRELY ABOVE DECK	R-25ci	R-25ci	
METAL BUILDINGS	R-19 + R-11 LS	R-19 + R-11 LS	
ATTIC AND OTHER	R-38	R-38	
WALLS, ABOVE GRADE			
MASS	R-5.7ci	R-7.6ci	
METAL BUILDING	R-13 + R-6.5ci	R-13 + R-13ci	
METAL FRAMED	R-13 + R-5ci	R-13 + R-7.5ci	
WOOD FRAMED AND OTHER	R-13 + R-3.8ci OR R-20	R-13 + R-3.8ci OR R-20	
FLOORS			
MASS	R-6.3ci	R-8.3ci	
JOIST/FRAMING	R-30	R-30	
OPAQUE DOORS			
NON-SWINGING	R-4.75	R-4.75	

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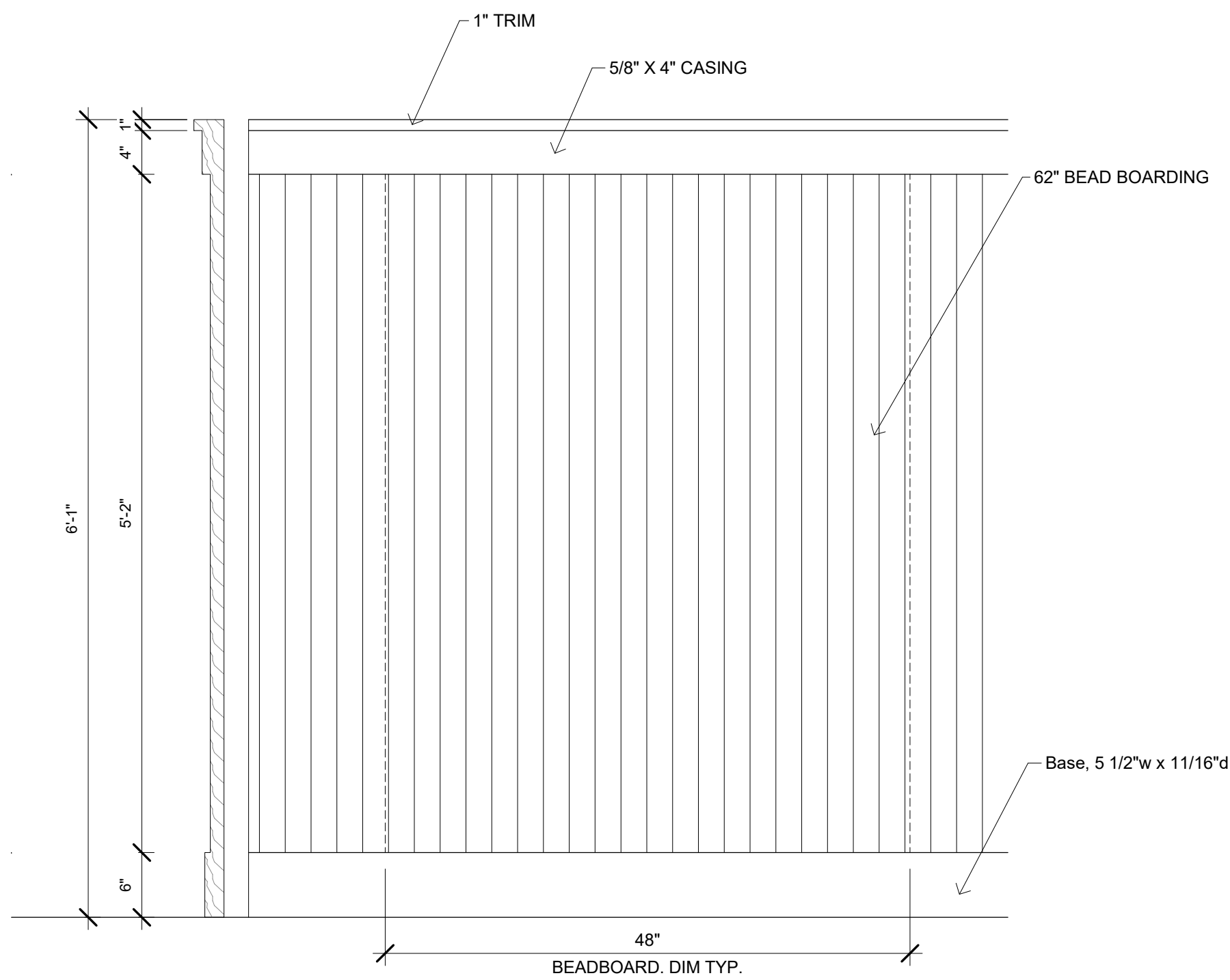
ENGINEER

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No.	Description	Date

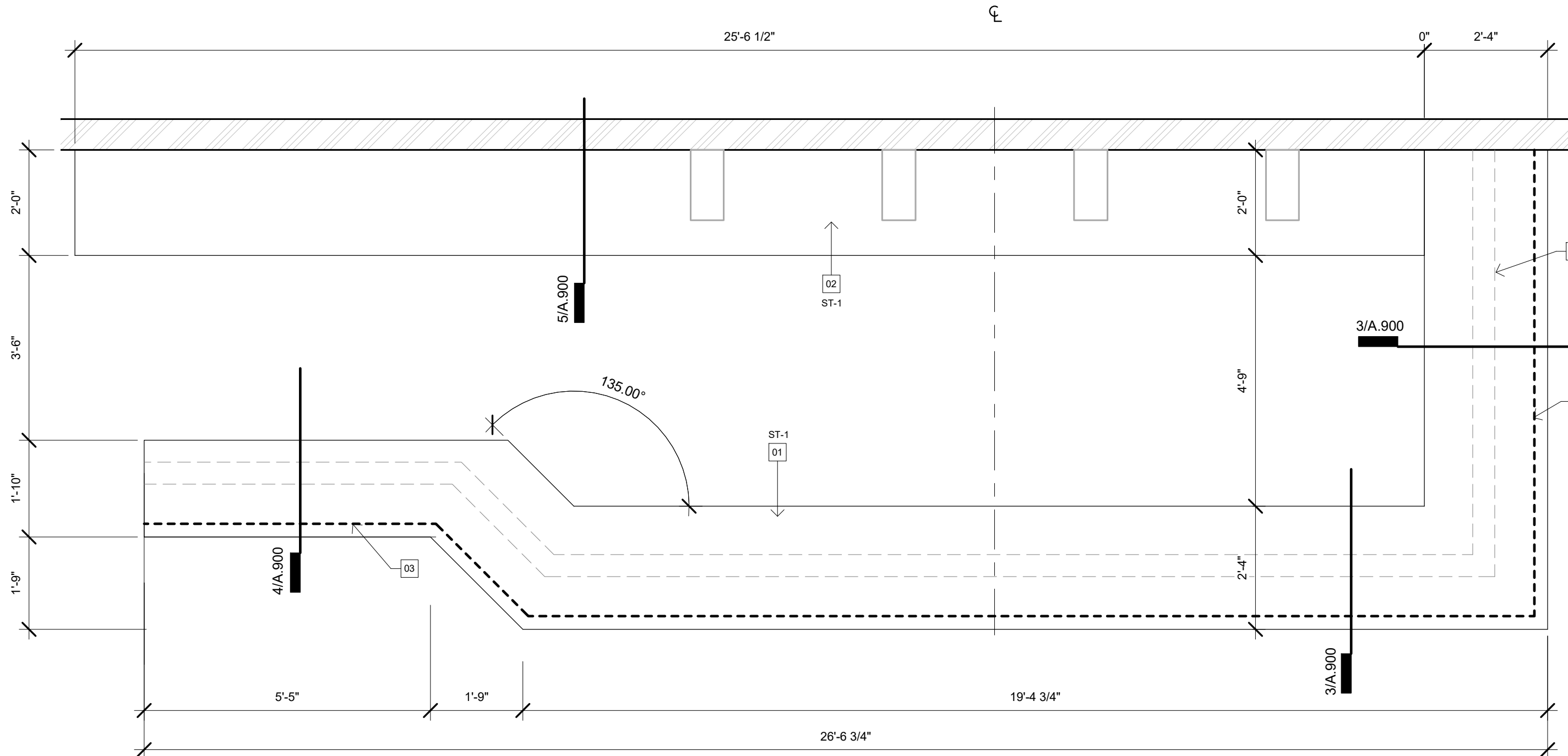
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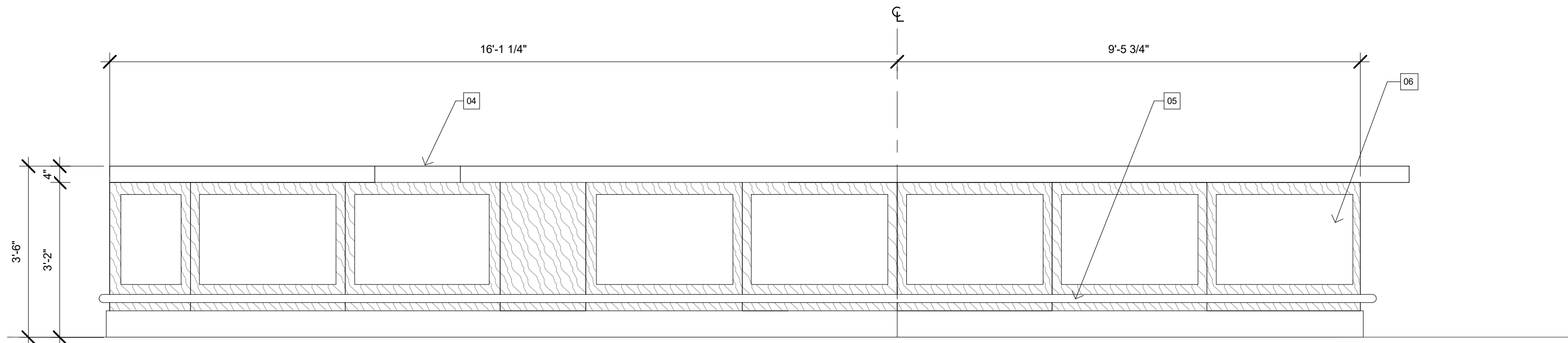
A.710



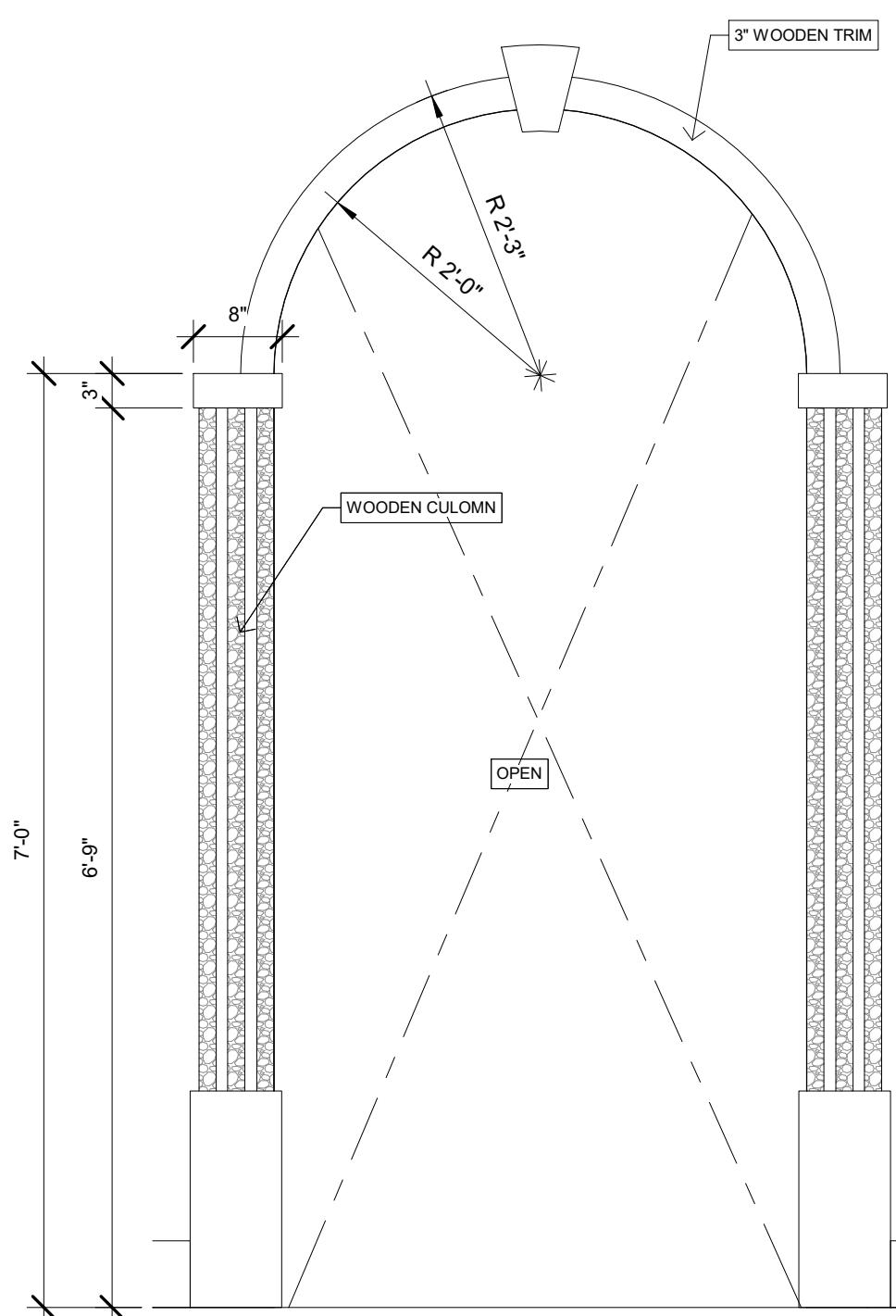
4 WAINSCOTING WALL DETAIL
A.900 1" = 1'-0"



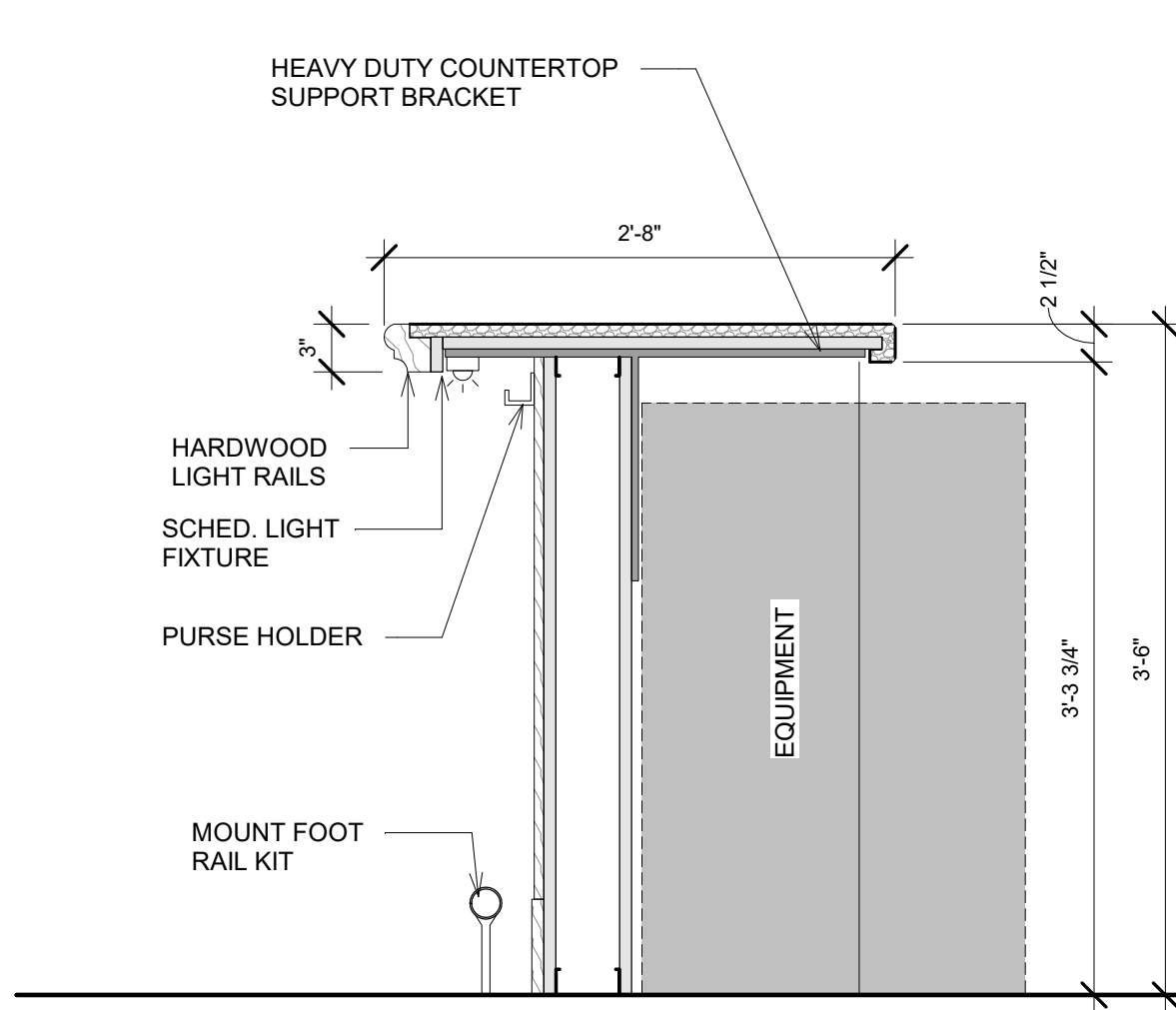
1 COUNTER ENLARGED PLAN
A.900 1/2" = 1'-0"



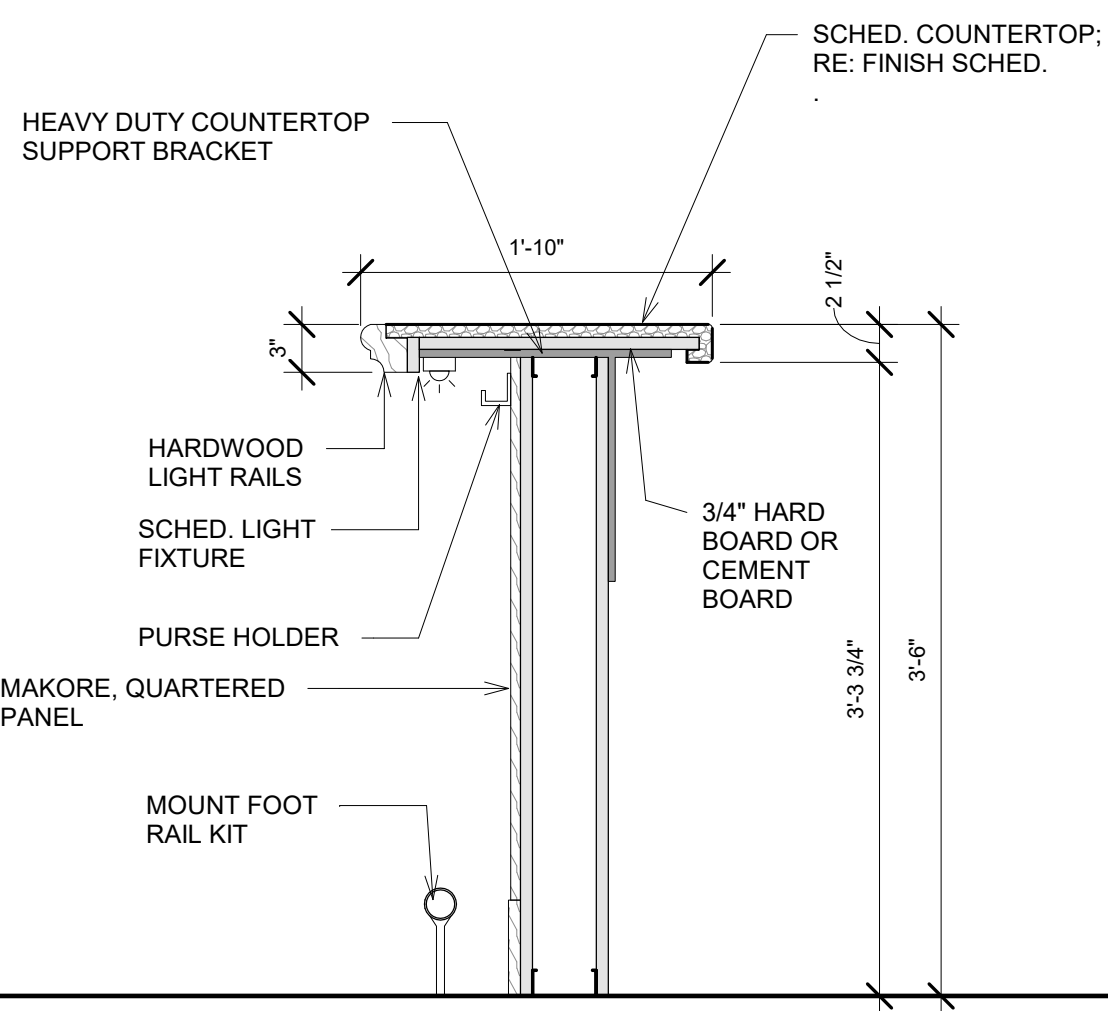
2 COUNTER ENLARGED ELEV
A.900 1/2" = 1'-0"



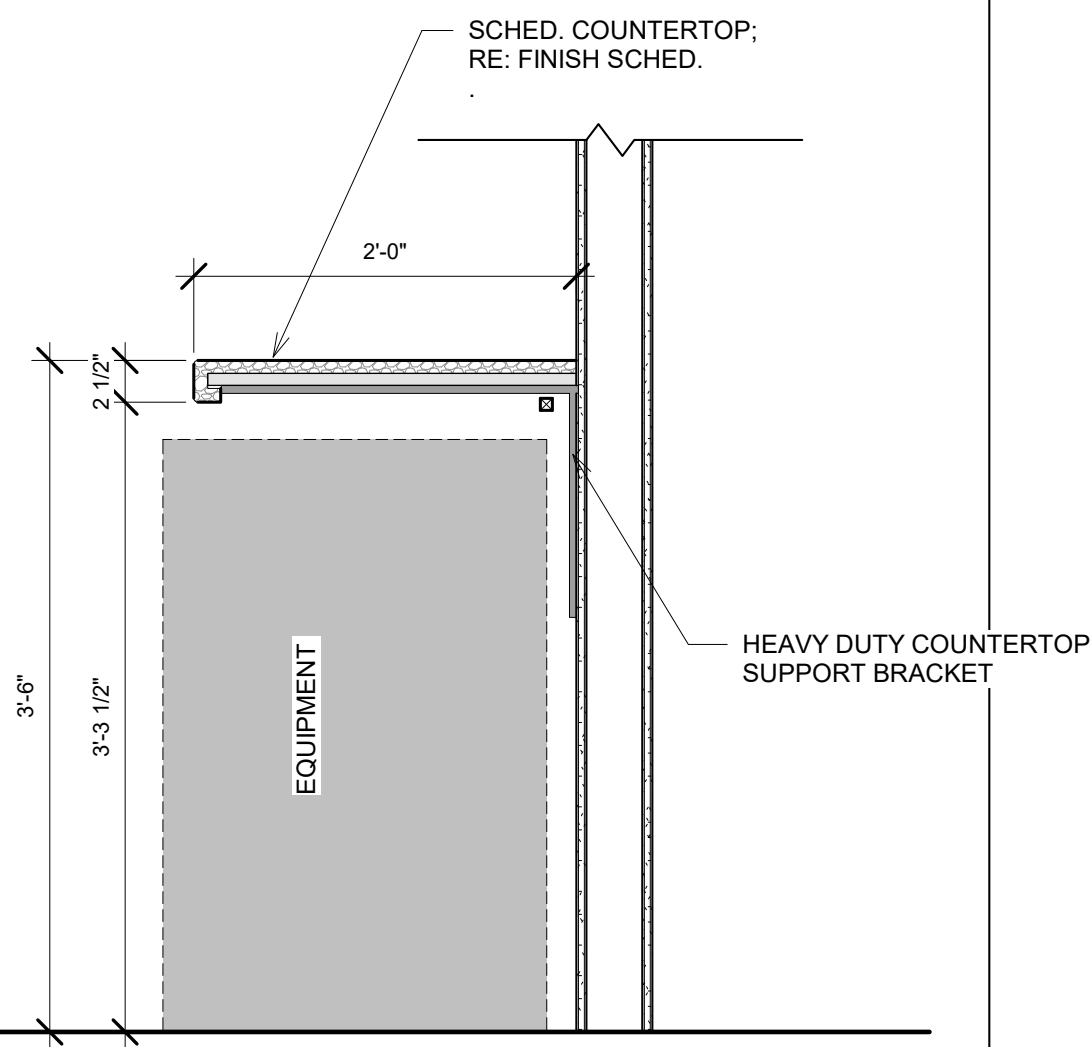
5 OPENING ELEVATION1
A.900 3/4" = 1'-0"



3 TYP. MILLWORK DETAILS
A.900 1" = 1'-0"



4 TYP. MILLWORK DETAILS
A.900 1" = 1'-0"



5 TYP. MILLWORK DETAILS
A.900 1" = 1'-0"

MILLWORK KEYED NOTES:

- NOT ALL KEY NOTES WILL BE USED ON THIS SHEET
- 01 3'-6" HIGH COUNTER
 - 02 DASHED LINE INDICATES STUD WALL FRAMING UNDER COUNTER
 - 03 LED STRIP LIGHT UNDER THE COUNTER
 - 04 SCHED. COUNTERTOP, RE: FINISH SCHED.
 - 05 FOOT RAILING RE: FINISH SCHED.
 - 06 PANEL RE: FINISH SCHED.

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1836 REPUBLIC BAR &
GRILL

27252 Katy Fwy, SUITE 1000,
Katy, TX 77494

ARCHITECT Romulo Cisneros



10/28/2022 EXP. 9/30/2023

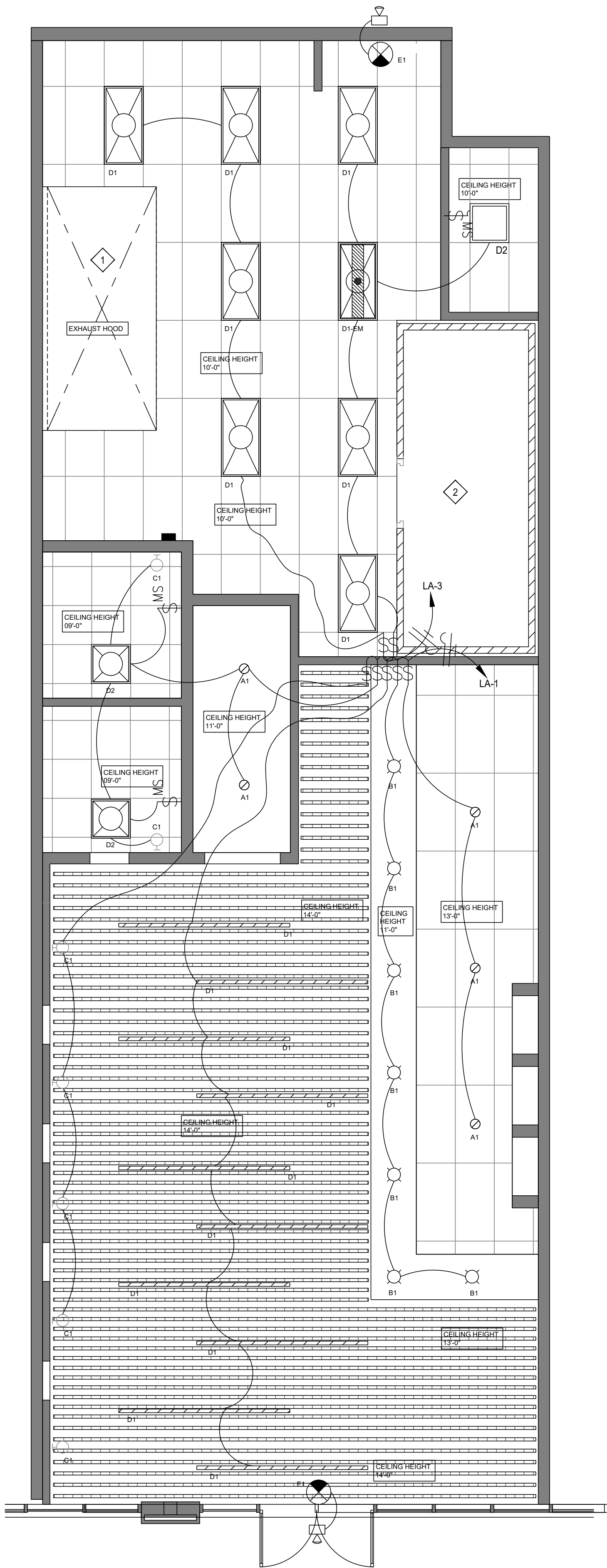
ENGINEER

REVISIONS		
No.	Description	Date

DATE ISSUED: 10/28/2022

SHEET:

A.900



1
E.100
LIGHTING PLAN
1/4" = 1'-0"

LEGEND:

- VOICE / DATA, CAT5E
- DUPLEX OUTLET, SPEC. GRADE TAMPER RESISTANT TYPE.
- USB DUPLEX OUTLET, SPEC. GRADE TAMPER RESISTANT TYPE.
- QUADRUPLEX OUTLET, SPEC. GRADE TAMPER RESISTANT TYPE.
- MOTION SENSOR SWITCH WITH DIMMER (0-10V) AUTOMATICALLY ON & OFF LUTRON OR WATTSTOPPER
- VACANCY SENSOR SWITCH WITH DIMMER (0-10V) MANUALLY ON & AUTOMATICALLY OFF LUTRON OR WATTSTOPPER
- ON/OFF LIGHT SWITCH W/DIMMER SUITABLE FOR LED, CFL, & FLUORESCENT. LUTRON OR WATTSTOPPER
- ON/OFF 3-WAY LIGHT SWITCH W/DIMMER SUITABLE FOR LED, CFL, & FLUORESCENT. LUTRON OR WATTSTOPPER
- ON/OFF LIGHT SWITCH WITH PILOT LIGHT

LIGHTING GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES OR HIDDEN CONDITIONS OR CITY/STATE CODE COMPLIANCE CONFLICTS OCCUR. FAILURE TO NOTIFY ARCHITECT WILL RESULT IN CONTRACTOR TAKING FULL FISCAL RESPONSIBILITY FOR ANY AND ALL COSTS WHICH ARE INCURRED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE ENTIRE INSTALLATION WHICH SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES. THIS MAY INCLUDE ADDITIONAL ITEMS NOT INCLUDED IN THIS PLAN.
- CONNECT ALL EXIT LIGHT AND BATTERY POWERED EMERGENCY LIGHT UNSWITCHED TO NEAREST LIGHTING CIRCUIT. WIRE EMERGENCY LIGHT IN SUCH A MANNER THAT IT WILL AUTOMATICALLY SWITCH ON UPON DETECTION OF NORMAL POWER FAILURE.
- LIGHT LOCATIONS SHOWN ARE FOR DESIGN PURPOSE ONLY. CONTRACTOR SHALL RELOCATE LIGHTS AS REQUIRED TO AVOID EXISTING STRUCTURE, MECHANICAL DUCTS, OR CUTTING OF MAIN TEES. VERIFY NEW LOCATIONS WITH TENANT.

GENERAL NOTES:

- NO ELECTRICAL, MATERIALS, APPARATUS, DEVICES, APPLIANCES, FIXTURE, OR EQUIPMENT SHALL BE SOLD OR INSTALLED IN THE CITY UNLESS THEY ARE IN CONFORMANCE WITH THE PROVISIONS OF THIS CODE, THE LAWS OF THE STATE OF TEXAS AND ANY APPLICABLE RULES AND REGULATIONS ISSUED UNDER THE AUTHORITY OF THE STATE STATUTES. THE MAKER'S NAME, TRADEMARK, OR OTHER IDENTIFICATION SYMBOLS SHALL BE PLACED ON ALL ELECTRICAL MATERIALS, APPARATUS, DEVICES, APPLIANCES, FIXTURES, AND EQUIPMENT USED OR INSTALLED UNDER THE PROVISIONS OF THIS CODE. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED AND LABELED FOR THE INTENDED USE AND SHALL BE INCLUDED IN A LISTED PUBLISHED BY AN APPROVED AGENCY.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND OWNER FOR FINAL LIGHTING FIXTURE SELECTION AND APPROVAL. CONTRACTOR SHALL PROVIDE FIXTURE CUTSHEET IN BIDDING PROPOSAL FOR OWNER APPROVAL.

LIGHTING PLAN KEYED NOTES:

- KITCHEN HOOD LIGHTING IS FURNISHED AND INSTALLED BY THE HOOD VENDOR AS PART OF KITCHEN HOOD ASSEMBLY.
- WALK-IN COOLER/FREEZER LIGHTING IS FURNISHED AND INSTALLED BY THE WALK-IN COOLER AS PART OF ASSEMBLY.

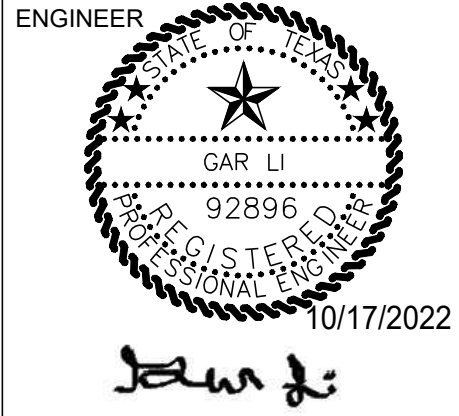
LIGHTING FIXTURE SCHEDULE					
TAGS	MFG. AND MODEL #	DESCRIPTION	MOUNTING	VOLT/WATTS	
D1	CREE ZR-FD2X4-40K-40K-10V-FD	2'x4' LED TROFFER 4000 LUMENS AT 4000K COLOR	LAY-IN	120V/31W	
D1-EM	CREE ZR-FD2X4-40K-40K-10V-FD-EB14	SIMILAR TO FIXTURE ABOVE EXCEPT WITH EMERGENCY BATTERY PACK	LAY-IN	120V/31W	
D2	CREE ZR-FD2X2-32L-40K-10V-FD	2'x2' LED TROFFER 3200 LUMENS AT 4000K COLOR	LAY-IN	120V/23W	
A1	HALO COMMERCIAL P8620B01B+61W	6" LED DOWNLIGHT WITH 2000 LUMENS, SEM. SPEC. CLEAR, 4000K	RECESSED	120V/21W	
B1	PENDANT LIGHT	FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR	SURFACE	120V/11W	
C1	MCSU WALL SCONCE LOWVOLT 3500K	6" BLACK WALL SCONCE, 5000K LED UP AND DOWN LIGHT	WALL	120V/13W	
D1	LED LINEAR LIGHT	FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR	SURFACE	120V/45W	
E-KCL	E-KCONLIGHT	LED EXIT UNIT COMBO EMERGENCY FIXTURE WITH 90 MINUTES BACKUP TIME	SURFACE	120V/1.8W	
E-XL	E-KCONLIGHT REMOTE SINGLE HEAD (E-XL SERIES)	REMOTE EXTERIOR LIGHT SUITABLE FOR WET LOCATION, 90 MINUTES BACKUP TIME	SURFACE	120V/1.8W	

CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND TENANT FOR FINAL APPROVAL. CONTRACTOR SHALL PROVIDE CUTSHEET IN BID PROPOSAL FOR REVIEW AND APPROVAL. CONTRACTOR IS ENCOURAGED TO PROVIDE ALTERNATE COST EFFECTIVE FIXTURES.

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1836 REPUBLIC BAR &
27252 KATY FREEWAY
SUITE XXX
KATY, TX 77494

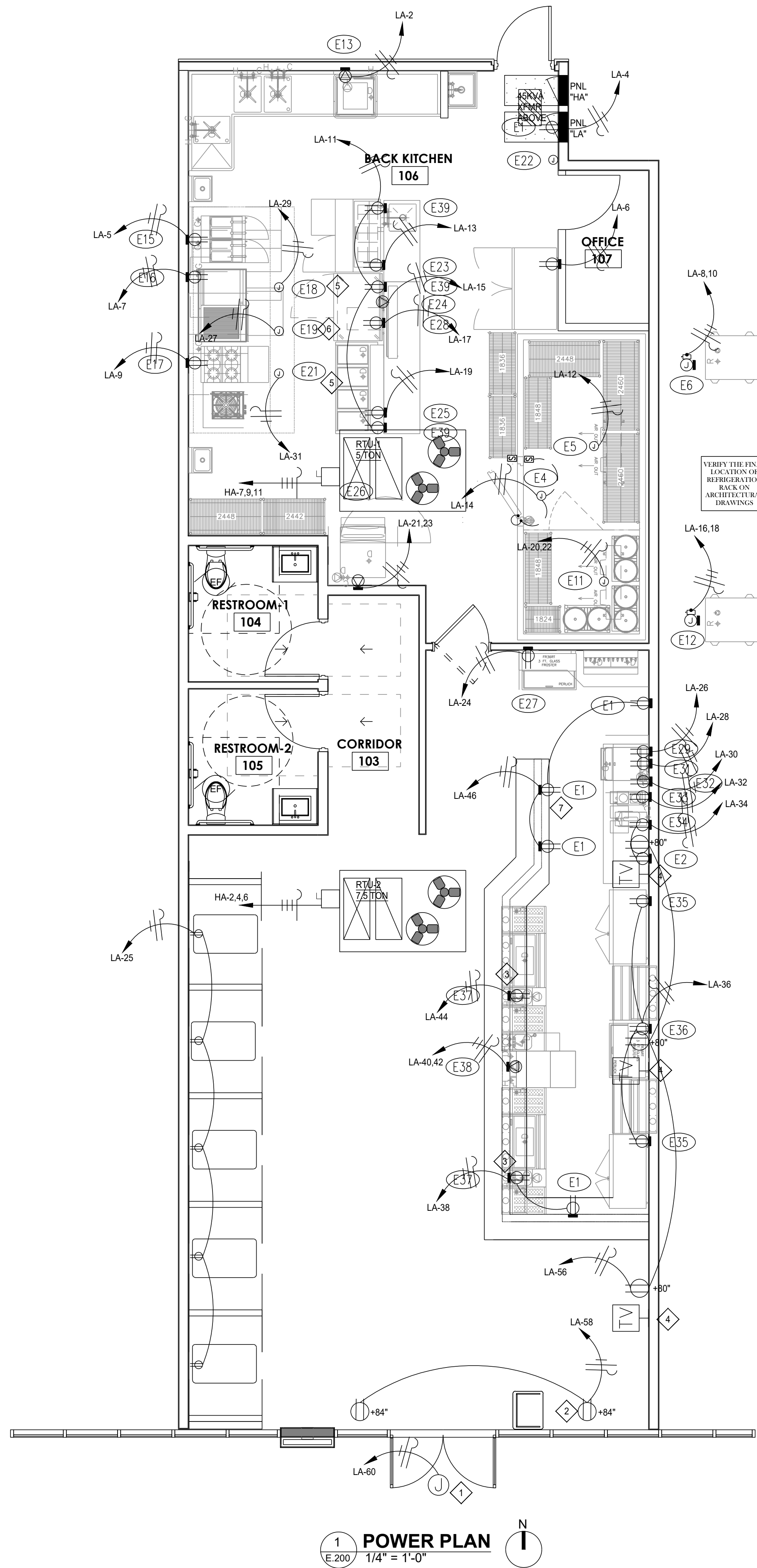
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DESIGNS LLC
ENG. FIRM
F-12766



ENGINEER
CONSULTING ENGINEER
REVISIONS
No. Description Date
0 ISSUED FOR PERMIT 10/17/2022

DATE ISSUED: 08/26/2022

SHEET:
E.100



ELECTRICAL SCHEDULE										
NO.	CONN.	SERVICE TO	RATING	VOLTS	PH	LOCATION	A.F.F.	REMARKS		
E 1	DR	CONVENIENCE OUTLET	15.0A	120	1	WALL	18"	TYP. (5) PLACES		
E 2	DR	CONVENIENCE OUTLET	15.0A	120	1	WALL	44"	TYP. (1) PLACE		
E 3	WFR	CONVENIENCE OUTLET	15.0A	120	1	WALL	44"	TYP. (0) PLACES		
E 4	JBC	LIGHTS/ DOOR HEATER	15.0A	120	1	CEILING		BTC ITEM # 104		
E 5	DS	COOLER EVAP. COIL	1.6A	115	1	VERIFY	VERIFY	BTC ITEM # 105		
E 6	DS	REFRIG. MED. TEMP. SYSTEM	0.75 HP	208-230	1	VERIFY	VERIFY	BTC ITEM # 106		
E 7	-	-	-	-	-	-	-	-		
E 8	-	-	-	-	-	-	-	-		
E 9	-	-	-	-	-	-	-	-		
E10	DS	COOLER EVAP. COIL	4.9A	208-230	1	VERIFY	VERIFY	BTC ITEM # B02		
E12	DS	REFRIG. MED. TEMP. SYSTEM	0.5 HP	208-230	1	VERIFY	VERIFY	BTC ITEM # B03		
* E13	SR	DISH MACHINE	16.0A	115	1	WALL	60"	TYP. (1) PLACE		
E14	-	-	-	-	-	-	-	-		
E15	DR	FRYERS	7.0A	120	1	WALL	30"	SHUNT TRIP: TYP. (2) PLACES		
E16	DR	REF. EQUIP. STAND	3.0A	115	1	WALL	24"	SHUNT TRIP: TYP. (1) PL; NEMA 5-15		
E17	DR	RANGE OVEN	5.0A	120	1	WALL	30"	SHUNT TRIP: TYP. (2) PLACES		
E18	JBC	HOOD FAN EXHAUST	0.75HP	115	1	ROOF	VERIFY	BTC ITEM # 126		
E19	JBC	HOOD FAN SUPPLY	1.0 HP	115	1	ROOF	VERIFY	BTC ITEM # 127		
E20	JBC	HOOD FAN EXHAUST	0.75HP	115	1	ROOF	VERIFY	BTC ITEM # 120		
E21	JBC	FIRE SYSTEM	10.0A	120	1	HOOD	VERIFY	BTC ITEM # 128		
E22	JBC	REMOTE FIRE PULL	-	-	-	WALL	44"	BTC RE: NOTE 'A' & DETAIL C		
E23	DR	SANDWICH PREP TABLE	4.5A	115	1	VERIFY	VERIFY	TYP. (1) PL; NEMA 5-15		
E24	SR	HEAT LAMPS	9.2A	120	1	VERIFY	VERIFY	TYP. (1) PLACE		
E25	DR	HOT FOOD WELLS	2.0KW	120	1	VERIFY	VERIFY	TYP. (1) PLACE; NEMA 5-30		
E26	SR	ICE MACHINE	9.5A	208-230	1	WALL	60"	TYP. (1) PLACE		
E27	DR	MUG CHILLER	2.0A	115	1	VERIFY	VERIFY	TYP. (1) PLACE; NEMA 5-15		
E28	DR	WORKTOP FREEZER	8.0A	115	1	VERIFY	VERIFY	TYP. (1) PL; NEMA 5-15		
* E29	DR	BEVERAGE DISPENSER	15.0A	115	1	WALL	24"	TYP. (1) PLACE		
E30	-	-	-	-	-	-	-	-		
E31	DR	ICE MAKER	13.5A	115	1	WALL	60"	TYP. (1) PLACE		
* E32	DR	BAG N BOX	20.0A	120	1	WALL	24"	TYP. (1) PLACE; NEMA 5-15		
* E33	DR	TEA MAKER	15.0A	120	1	WALL	24"	TYP. (1) PLACE; NEMA 5-15		
* E34	DR	COFFEE MAKER	30.0A	120	1	WALL	24"	TYP. (1) PLACE; NEMA 5-15		
E35	DR	BACK BAR COOLER	2.66A	120	1	WALL	24"	TYP. (2) PLACES; NEMA 5-15		
E36	DR	MUG CHILLER	2.0A	115	1	VERIFY	VERIFY	TYP. (1) PLACE; NEMA 5-15		
E37	DR	BLENDER STATION	16.0A	115	1	VERIFY	VERIFY	TYP. (2) PLACES; NEMA 5-15		
E38	DR	GLASS WASHER	22.0A	208	1	WALL	24"	TYP. (1) PLACE		
E39	DR	CONVENIENCE OUTLET	15.0A	120	1	VERIFY	VERIFY	TYP. (3) PLACES		

* PURVEYOR FURNISHED EQUIPMENT - VERIFY ELECTRICAL REQUIREMENTS
** OWNER FURNISHED EQUIPMENT - VERIFY ELECTRICAL REQUIREMENTS

POWER PLAN KEYED NOTES:

- 1 PROVIDE 120V JBOX POWER FOR EXTERIOR SIGNAGE. FIELD COORDINATE MOUNTING LOCATION WITH SIGN INSTALLER.
- 2 RECEPTACLE FOR NEON SIGNAGE. FIELD COORDINATE WITH OWNER AND ARCHITECT.
- 3 RECEPTACLE FOR BAR AREA EQUIPMENT. FIELD COORDINATE RECEPTACLE MOUNTING HEIGHT WITH OWNER AND ARCHITECT. TYPICAL.
- 4 RECEPTACLE FOR TV. FIELD COORDINATE MOUNTING HEIGHT AND PROVIDE TV MOUNT AND CABLE OUTLET. TYPICAL.
- 5 KITCHEN HOOD EXHAUST FAN, REFER TO KITCHEN HOOD DRAWING FOR ADDITIONAL INFORMATION.
- 6 KITCHEN HOOD MAKE UP AIR FAN, REFER TO KITCHEN HOOD DRAWING FOR ADDITIONAL INFORMATION.
- 7 MOUNT RECEPTACLE BENEATH THE BAR COUNTERTOP FOR POINT OF SALE REGISTER POWER.

NOTE:
ALL OUTLET DIMENSIONS TO BOTTOM OF PLUG

NOTE:
ELECTRICAL CONTRACTOR REQUIRED TO LABEL ALL OUTLETS WITH PANEL AND CIRCUIT NUMBERS.

NOTE:
THIS DRAWING MUST BE WORKING TOGETHER IN CONJUNCTION WITH DRAWINGS PROVIDED BY SURCANA, THE FOOD SERVICE DESIGN COMPANY.

- 1) ALL 15A & 20A, SINGLE POLE 120V RECEPTACLE IN THE KITCHEN AREA SHALL BE GFCI PROTECTION PER NEC ARTICLE 210.8(B).
- 2) PROVIDE STAINLESS STEEL COVER PLATE. TYPICAL.
- 3) ALL RECEPTACLES INSTALLED UNDER THE KITCHEN HOOD SHALL BE EQUIPPED WITH SHUNT TRIP. REFER TO KITCHEN HOOD FOR MORE DETAILS.

LEGEND:

- VOICE / DATA, CAT5E
- DUPLEX OUTLET, SPEC. GRADE TAMPER RESISTANT TYPE.
- USB DUPLEX OUTLET, SPEC. GRADE TAMPER RESISTANT TYPE.
- QUADRUPLUX OUTLET, SPEC. GRADE TAMPER RESISTANT TYPE.
- MOTION SENSOR SWITCH WITH DIMMER (0-10V) AUTOMATICALLY ON & OFF LUTRON OR WATTSTOPPER
- VACANCY SENSOR SWITCH WITH DIMMER (0-10V) MANUALLY ON & AUTOMATICALLY OFF LUTRON OR WATTSTOPPER
- ON/OFF LIGHT SWITCH W/DIMMER SUITABLE FOR LED, CFL, & FLUORESCENT. LUTRON OR WATTSTOPPER
- ON/OFF 3-WAY LIGHT SWITCH W/DIMMER SUITABLE FOR LED, CFL, & FLUORESCENT. LUTRON OR WATTSTOPPER
- ON/OFF LIGHT SWITCH WITH PILOT LIGHT

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1836 REPUBLIC BAR &

27252 KATY FREEWAY
SUITE XXX
KATY, TX 77494

BJGA
DESIGNS LLC
ENG. FIRM
F-12766

ENGINEER
GWR U
92896
REGISTERED PROFESSIONAL ENGINEER
10/17/2022
CONSULTING ENGINEER

REVISIONS		
No.	Description	Date
0	ISSUED FOR PERMIT	10/17/2022

DATE ISSUED: 08/26/2022

SHEET:

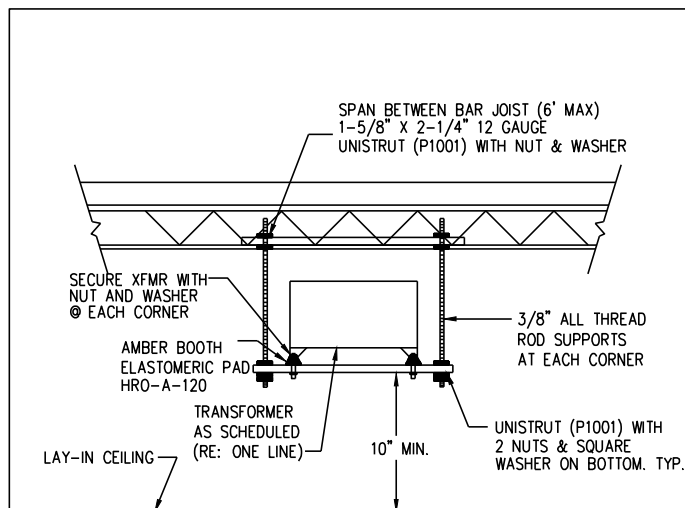
E.200

ELECTRICAL LOAD ANALYSIS - 1836 REPUBLIC BAR & GRILL			
277/480V, 3PH, 4W			
	NEC 2020	KVA	
LIGHTING:			
TYPE OF OCCUPANCY	AREA (SF)		
RESTAURANT:	1887SF @2.0VA/SF X 125% = 4718VA	220.12	4.71
POWER:			
RECEPTACLES LOAD:	2220VA		
FIRST 10KVA @ 100% + REMAINDER @ 50% =		220.44	10.35
KITCHEN LOAD: 23176VA @ 65% DEMAND FACTOR		220.44	15.06
ELEC. WATER HEATER: = 12KW		220.56	12.00
MISC. LOAD AND FAN LOAD: = 7032VA		220.56	7.03
HVAC:			
COOLING:			
(1) 5TON RTU-1 & (1) 7.5 TON RTU-2 = OVA (HEATING LOAD IS LARGER)		220.60	0.00
HEATING = 21.5KW/RTU-1 & 16.5KW/RTU-2 = 38KW		220.60	38.00
25% LARGEST MOTORS (1.5HP)		220.18(o)	0.28
	TOTAL =		87.15KVA
	AMPS @ 480V/3ø:		104AMP
	PANEL "HA" SIZE:		200AMP
	SPARE CAPACITY		96AMP

FAULT CURRENT CALCULATION NOTE

USING POINT TO POINT METHOD, FAULT CIRCUIT CURRENT CALCULATION IS BASED ON 225KVA WITH 480V, 3ø, 4W, POINT OF ATTACHMENT AT THE BUSSED WIREWAY, WITH 150 FOOT OF 4 #3/0 AWG COPPER CABLE IN METAL RACEWAY. THE CALCULATED FAULT CURRENT IS 8713 AMP L-L AT THE DISCONNECT AND 8,652 AMP AT THE NEW PANEL BOARD "HA", THEREFORE, PANEL "HA" WITH 18KAIC RATING IS ADEQUATE.

Panelboard HA														18K AIC Rating	
														Existing	
														X New	
277/480 Volt, 3-Phase, 4-Wire														X MCB	
1 Section														X Single	
1-Nema Rating														Double	
														Fixed - Thru	
														Surface	
														Flush X	
Notes														Notes	
Load (VA)														Notes	
Description														Notes	
Type														Notes	
Wire														Notes	
CB														Notes	
Ckt #														Notes	
PH														Notes	
CB														Notes	
Wire														Notes	
Type														Notes	
Description														Notes	
Load (VA)														Notes	
Notes														Notes	
1	15000	480-120/208V	SP	4	70/3	1	A	2	40/3	8	C	RTU-2 (7.5 TON)	8587	1	
1	15000	480V XFMR "TLA"	SP	4	---	3	B	4	---	8	C	W/16.5 HTR STRIP	8587	1	
1	15000	---	SP	4	---	5	C	6	---	8	C	---	8587	1	
1	9695	RTU-1 (5 TON)	C	8	40/3	7	A	8	---	8	C	---	8587	1	
1	9695	WITH 21.50KW HTR STRIP	C	8	---	9	B	10	---	8	C	---	8587	1	
1	9695	---	C	8	---	11	C	12	---	8	C	---	8587	1	
1	9695	---	C	8	---	13	A	14	---	8	C	---	8587	1	
1	9695	---	C	8	---	15	B	16	---	8	C	---	8587	1	
74.085 Subtotal														25,781	
NEC 2020														Subtotal	
Load Type														Conn.	
Fct.														Diversity	
NEC 2020														NEC 2020	
Load Type														Conn.	
Fct.														Diversity	
220-44														(L) Lighting	
220-53														(EL) Ext. Ltg.	
220-60														(E) Elevators	
220-60														(WH) Water Ht.	
220-60														(MT) Lrg. Mot.	
220-60														(SP) Sub Panel	
45,000														100%	
45,000														100%	
Total Connected Load														99,846 VA = 120.2 AMPS	
Total Load (Diversified)														99,846 VA = 120.2 AMPS	
Location of Panel:														IN KITCHEN AREA	



1 SUSPENDED TRANSFORMER DETAIL.

NOT TO SCALE

Panelboard LA (Note 2)														14K AIC Rating																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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120/208 Volt, 3-Phase, 4-Wire														Mounting																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Notes	Load (VA)	Description	Type	Wire	CB	PH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1000	LIGHTING	L	12	20/1	1	A	2	20/1	12	K	GEN. RECEPTACLES	180	1.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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1	840	FRYER POWER	K	12	20/1	5	C	6	20/1	12	K	REACH IN FRIDGE	650	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	360	FRIDGE	K	12	20/1	7	A	8	30/2	10	C	REMOTE CONDENSING UNIT	2000	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	600	RANGE OVEN CONTROL POWER	K	12	20/1	9	B	10	---	10	C	---	2000	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	540	CONVENIENCE RECEPT	K	12	20/1	11	C	12	20/1	12	F	WALK IN COOLER BLOWER FAN	300	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	540	SANDWICH PREP. TABLE	K	12	20/1	13	A	14	20/1	12	K	WALK IN COOLER LIT & DR W/RTU	600	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	1404	HEAT LAMPS	H	12	20/1	15	B	16	30/2	10	C	WALK IN FREEZER CONDENSER	1000	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	960	WORKTOP FREEZER	K	12	20/1	17	C	18	---	10	C	---	1000	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	980	HOT FOOD WELL	K	12	20/1	19	A	20	20/2	12	F	WALK IN FREEZER EVAP. COIL	510	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	988	ICE MACHINE	K	12	20/2	21	B	22	---	12	F	---	510	4.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	988	200V SINGLE PHASE	K	12	---	23	C	24	20/1	12	K	MUG CHILLER	240	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	900	GEN. RECEPTACLES	R	12	20/1	25	A	26	20/1	12	K	BEVERAGE DISPENSER	500	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	2400	KITCHEN HOOD SUPPLY FAN (MUA-1)	F	10	35/1	27	B	28	20/1	12	K	ICE MAKER	1920	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	1656	KITCHEN HOOD EXHAUST (KEF-1)	F	12	20/1	29	C	30	20/1	12	K	BAG N BOX	1800	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1	1656	KITCHEN HOOD EXHAUST (KEF-2)	F	12	20/1	31	A	32	20/1	12	K	TEA MAKER	1200	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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GENERAL NOTES AND SPECIFICATIONS

PRIOR TO SUBMITTING THEIR BID, THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND THOROUGHLY ACQUAINT THEMSELVES WITH ALL EXISTING CONDITIONS AND DETERMINE HOW THEY EFFECTIVELY WORK. THEY SHALL INCLUDE IN THEIR BID ANY ALTERATIONS, RELOCATIONS, REROUTING, ETC OF EXISTING FACILITIES, WIRING, CONDUIT, AND PANELBOARDS REQUIRED FOR INSTALLATION OF NEW WORK. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE COMPENSATED FOR ADDITIONAL WORK DUE TO THEIR NEGLECT TO COMPLY WITH THE FOREGOING REQUIREMENTS.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST VERSION OF THE NATIONAL ELECTRIC CODE, FIRE PREVENTION CODES, LOCAL CODES AND ANY OTHER REQUIREMENTS APPLICABLE TO THIS JOB. THE ELECTRICAL CONTRACTOR SHALL SUBMIT ANY REQUIRED DRAWINGS FOR APPROVAL TO ANY AGENCIES REQUIRING THEM, AND OBTAIN THE NECESSARY PERMITS AT NO ADDITIONAL BID COSTS. ALL EQUIPMENT FURNISHED SHALL CONFORM TO NEMA AND SHALL BE UL LISTED.

THESE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY INDICATE EVERY JUNCTION BOX, FITTING, ET. REQUIRED.

THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ANY VARIANCES REQUIRED BY APPLICABLE CODES.

THE CONTRACTOR SHALL PROTECT THE EXISTING BUILDING STRUCTURE AND GROUNDS FROM ANY DAMAGE WHICH MAY OCCUR DURING INSTALLATION OF NEW WORK. ANY DAMAGE TO EXISTING FACILITIES WILL BE REPLACED OR RESTORED TO THE ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.

ALL EQUIPMENT SHALL BE INSTALLED COMPLETE, FURNISHING ANY REQUIRED DISCONNECT, JUNCTION BOXES, ETC. FOR A COMPLETE AND WORKING INSTALLATION.

ALL EQUIPMENT INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THE ELECTRICAL CONTRACTOR SHALL ASSUME LIABILITY FOR ANY COST.

ALL CONDUCTORS SHALL BE COPPER TYPE THHN/THWN 600 VOLT.

THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR COMPLETION OF ELECTRICAL WORK. THIS INCLUDES WORK NOT SPECIFICALLY INDICATED, BUT THAT WHICH SHOULD BE REASONABLY INFERRED TO PROPERLY COMPLETE THE WORK.

ALL LOCAL, STATE, AND FEDERAL TAXES ARE APPLICABLE TO THIS PROJECT AND SHALL BE INCLUDED.

REMOVE RUBBISH AS FAST AS IT ACCUMULATES.

ALL CUTTINGS, DRILLING, AND PATCHING SHALL BE DONE BY THE CONTRACTOR. UNDER NO CIRCUMSTANCES SHALL STRUCTURAL WORK BE CUT WITHOUT THE APPROVAL OF THE OWNER AND OR ENGINEER.

UNLESS OTHERWISE SPECIFIED, THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, WIRING AND DISCONNECTS FOR ALL ELECTRICALLY OPERATED EQUIPMENT.

ALL TRANSFORMER, PANEL BOARDS, STARTERS AND DISCONNECTS SWITCHES SHALL BE LABELED BY THE USE OF PLASTIC LAMINATED NAME PLATES.

ALL CONDUITS SHALL BE EMT OR GRC AS REQUIRED, UNLESS NOTED ELSEWHERE ON PLANS, FMC MAY BE USED WHEN CONNECTING TO VIBRATING EQUIPMENT OR LIGHT FIXTURES. THE MAXIMUM LENGTH PERMITTED FOR FMC IS 6 FT.

DISCONNECT SWITCHES SHALL BE FUSED OR NON-FUSED AS REQUIRED BY LOCAL CODE AND SHALL BE NEMA 3R WHERE REQUIRED.

THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT, WIRE AND CABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL INSTALLATION DRAWINGS AND WIRING DIAGRAMS FROM THE EQUIPMENT MANUFACTURER. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. THE CONTRACTOR SHALL MAKE THE FINAL CONNECTIONS AND TERMINATIONS.

THE CONTRACTOR SHALL RECEIVE, HANDLE, AND STORE ELECTRICAL ITEMS AND MATERIALS AT THE PROJECT SITE AS DIRECTED BY THE OWNER. MATERIALS AND ELECTRICAL ITEMS SHALL BE SO PLACED THAT THEY ARE PROTECTED FROM DAMAGE AND DETERIORATION.

THE CONTRACTOR SHALL PROTECT CONDUIT AND WIREWAY OPENINGS AGAINST THE ENTRANCE OF FOREIGN MATTER BY MEANS OF PLUGS OR CAPS, COVER MATERIALS, EQUIPMENT AND DEVICES FURNISHED OR INSTALLED UNDER THIS SECTION OR OTHERWISE PROTECTED AGAINST DAMAGE FROM ANY CAUSE, BOTH BEFORE AND AFTER INSTALLATION. MATERIALS, EQUIPMENT, OR DEVICES DAMAGED PRIOR TO THE FINAL ACCEPTANCE OF WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED AT NO COST TO THE OWNER.

CONTRACTOR SHALL INSTALL ENTIRE SYSTEMS, INCLUDING CONDUITS, BOXES, CABINETS, PANELS, ETC. SO AS TO INSURE PROPER GROUND CONTINUITY THROUGHOUT THE SYSTEM.

CONTRACTOR SHALL TEST ALL CIRCUITS, EQUIPMENT, ETC. FOR POLARITY, GROUND CONTINUITY, GROUND FAULTS, SHORTS, ETC. PRIOR TO OPERATING ANY ELECTRICAL ITEM OR EQUIPMENT. UPON INSTALLATION IN OPERATION, TEST FOR EACH PROPER FUNCTION, AND SHOW SYSTEMS AND EQUIPMENT TO BE FREE OF DEFECTS. RECORD AND DOCUMENT LOAD AMPERAGE AND TERMINAL VOLTAGE OF EACH PANEL BOARD, MOTOR, ETC. WHERE APPLICABLE, FURNISH COPIES TO THE OWNER.

UPON CONNECTING ALL CIRCUITS TO PANELS, THE CONTRACTOR SHALL BALANCE THE LOAD TO +/- 5% BETWEEN PHASES FOR EACH PANEL.

THE BASE BID SHALL NOT CONTAIN ANY SUBSTITUTION. WHERE AN ITEM, MATERIAL OR EQUIPMENT IS SPECIFIED TO BE OF A CERTAIN MANUFACTURE'S MAKE, THE BID SHALL INCLUDE SUCH MATERIAL OR EQUIPMENT AS SPECIFIED.

NO SUBSTITUTION SUBSEQUENT TO THE ACCEPTANCE OF THE CONTRACTOR SHALL BE MADE, EXCEPT BY WRITTEN CONSENT OF THE OWNER. SHOULD THE CONTRACTOR DESIRE TO SUBSTITUTE ANOTHER MATERIAL, OR ARTICLE SPECIFIED, HE SHALL APPLY FOR SUCH PERMISSION AND STATE THE CREDIT OR EXTRA INVOLVED BY THE USE OF SUCH MATERIALS OR ARTICLE.

ANY VARIATION, MODIFICATIONS OR SUBSTITUTIONS FROM THE CONTRACT DOCUMENTS BECAUSE OF SHOP PRACTICES STANDARD WITH THE SUPPLIER MUST BE SPECIFICALLY MENTIONED BY THE CONTRACTOR WHEN SUBMITTING DRAWINGS OR DATA FOR REVIEW IN ORDER THAT, IF ACCEPTABLE, SUITABLE ACTION MAY BE TAKEN FOR PROPER ADJUSTMENT OF ENGAGING MATERIAL; OTHERWISE, THE CONTRACTOR WILL NOT BE RELIEVED OF THE RESPONSIBILITY FOR EXECUTING THE WORK IN ACCORDANCE WITH THE CONTRACT, EVEN THOUGH THE SHOP DRAWINGS, SCHEDULES OR DATA HAVE BEEN REVIEWED BY THE ENGINEER. APPROVAL OF ANY MODIFICATIONS WILL BE MADE IN THE INTEREST OF THE OWNER AND TO EFFECT AN IMPROVEMENT IN THE WORK WITH THE UNDERSTANDING THAT IT DOES NOT INVOLVE ANY INCREASE IN THE CONTRACT PRICE EITHER DIRECTLY OR INDIRECTLY AND DOES NOT INVOLVE ANY INCREASE IN THE COMPLETION TIME; THAT IT IS SUBJECT TO ALL CONTRACT STIPULATION AND COVENANTS, AND THAT IT IS WITHOUT PREJUDICE TO ANY AND ALL RIGHTS OF THE OWNER UNDER THE CONTRACT BOND OR BONDS. THE CONTRACTOR SUBMITTING CHANGES OR MODIFICATIONS FOR REVIEW SHALL ASSUME ALL RESPONSIBILITY IN CONNECTION WITH THE ENGAGEMENT IF THE WORK IN QUESTION WITH THAT OF THE CONTRACTOR OR SUBCONTRACTORS AND SHALL REIMBURSE THEM FOR THE COST OF ANY CHANGE TO THEIR WORK WHICH MAY ARISE THEREFROM.

THE REVIEW OF DRAWINGS, SCHEDULES, OR DATA WILL BE GENERAL AND WILL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ERRORS IN DIMENSIONS OR ERROR OF ANY OTHER SORT WITHIN SHOP DRAWINGS OR SCHEDULES. THE CONTRACTOR SHALL TAKE ACTUAL FIELD MEASUREMENTS WHERE POSSIBLE BEFORE SUBMITTING SHOP DRAWINGS FOR REVIEW. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT SHOP DRAWINGS SUFFICIENTLY IN ADVANCE OF SHOP OR FIELD REQUIREMENTS TO INSURE THE ENGINEERS AMPLE TIME TO CHECK THE DRAWINGS, INCLUDING TIME FOR CORRECTING, RESUBMISSION, AND RECHECK IF NECESSARY, SO AS TO NOT DELAY THE PROGRESS OF THE PROJECT. NO CLAIM FOR TIME EXTENSION WILL BE GRANTED TO THE CONTRACTOR OR HIS SUBCONTRACTORS' VENDORS FAILURE TO DELIVER PRODUCTS OR SERVICES ON TIME.

THE CONTRACTOR SHALL MAINTAIN ONE MASTER DRAWING SET, ON THE JOB SITE, TAGGED "CONTRACT RECORD DRAWINGS". THE CONTRACTOR SHALL PERFORM A DAILY REVIEW OF THE DRAWINGS AND MARK FIELD REQUIRED CHANGES OR REVISIONS IN RED, INITIAL AND DATE THE CHANGES. FINAL PAYMENT TO THE CONTRACTOR WILL NOT BE MADE OF ANY RETAINMENT, UNTIL THE OWNER RECEIVES AND APPROVES THE FIELD RECORD DRAWING SET. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO ACCURATELY RECORD DEVIATIONS FROM THE DRAWINGS DUE TO FIELD CONDITIONS, AND CLIENT APPROVED DEVIATIONS FROM THE DRAWINGS.

PRIOR TO SUBMITTAL OR PROPOSAL, THE CONTRACTOR SHALL HAVE FULFILLED THE FOLLOWING REQUIREMENTS:

A) ALL CONTRACTOR AND BIDDERS SHALL CAREFULLY EXAMINE THE WORK SITE AND THE ADJACENT PREMISES, AND EACH CONTRACTOR SHALL CONDUCT NECESSARY EXAMINATIONS TO THOROUGHLY ACQUAINT HIMSELF WITH THE FACILITIES FOR HANDLING OF EQUIPMENT AND FOR THE RECEIVING AND STORAGE OF MATERIALS. THE OWNER SHALL DESIGNATE A SECURE SITE WITHIN THE FACILITY FOR THE CONTRACTORS TOOLS AND MATERIALS.

B) EACH CONTRACTOR SHALL ACQUAINT AND COORDINATE HIMSELF WITH THE UTILITY COMPANY, THE LOCATION OF THE SERVICES, UTILITIES, STRUCTURES, ETC. WHICH MAY BE ENCOUNTERED OR BE AFFECTED BY HIS WORK, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY NEGLECT TO PROVIDE PROPER PRECAUTIONS OR PROTECTIONS. THE OWNER SHALL NOT BE HELD RESPONSIBLE OR LIABLE FOR DAMAGES, REPAIRS, ETC.

THE CONTRACTOR AGREES TO INDEMNIFY AND SAVE HARMLESS TO THE OWNER, THE ENGINEER, THEIR AGENT AND EMPLOYEES, FROM AND AGAINST ALL LOSSES OR EXPENSES NOT OTHERWISE INSURED AGAINST (INCLUDING COSTS AND ATTORNEY'S FEES) BY REASON OF LIABILITY IMPOSED BY LAW UPON THE OWNER OR ENGINEER IN CONNECTION WITH THE CONTRACT WORK FOR DAMAGE BECAUSE OF BODILY INJURY, INCLUDING DEATH AT ANY TIME RESULTING THEREFROM, SUSTAINED BY ANY PERSON OR PERSONS OR ON ACCOUNT TO DAMAGE OF PROPERTY, INCLUDING LOSS OF USE THEREOF, WEATHER SAID LIABILITY IS CAUSED BY OR CONTRIBUTED TO (1) BY SAID OWNER, ENGINEER, THEIR AGENT OR EMPLOYEES. (2) BY SAID CONTRACTOR OR A SUBCONTRACTOR OR THEIR AGENT OR EMPLOYEES OR (3) BY OTHERS. THIS INDEMNITY AGREEMENT SHALL IMPOSE LIABILITY ON CONTRACTOR ONLY TO THE EXTENT PERMITTED BY THE LAW OF THE STATE GOVERNING PERFORMANCE THEREOF, AND ANY PROVISION HEREOF NOT PERMITTED BY SUCH LAWS IS EXPRESSLY DELETED FROM SAID CONTRACT.

THE CONTRACTOR SHALL FURNISH AND INSTALL CIRCUIT BREAKER PANEL BOARDS AS INDICATED ON THE DRAWINGS. ALL PANEL BOARDS SHALL MEET THE REQUIREMENTS OF THE LATEST NATIONAL ELECTRICAL CODE AND APPLICABLE UL AND NEMA STANDARDS. PANEL BOARDS SHALL BE OF DEAD FRONT CONSTRUCTION EQUIPPED WITH THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKERS OF A FRAME SIZE AND TRIP RATING AS SHOWN ON THE DRAWINGS. PANEL BOARDS SHALL BE RATED FOR 600V.

CIRCUIT BREAKER SIZES AND QUANTITIES ARE FOR THE CONVENIENCE OF THE BIDDERS ONLY. THE E.C. (ELECTRICAL CONTRACTOR) SHALL BE RESPONSIBLE FOR VERIFYING AND SUPPLYING ALL REQUIRED BRANCH CIRCUITS.

BRANCH CIRCUIT BREAKERS OF 2-POLE AND 3-POLE CONFIGURATION SHALL HAVE A COMMON TRIP.

E.C. SHALL REFER TO ALL MECHANICAL, PLUMBING AND ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND CHARACTERISTICS OF ALL EQUIPMENT. ANY MODIFICATION AND/OR ADDITIONAL WORK NECESSARY SHALL BE INCLUDED IN THE BASE BID.

E.C. SHALL CHECK ROTATION OF ALL THREE PHASE MOTORS AND CORRECT THE ROTATION IF REVERSED.

ALL TEMPERATURE CONTROL AND INTERLOCKING WIRING SHALL BE BY HVAC CONTRACTOR UNO. THE E.C. SHALL FURNISH AND INSTALL FLUSH JUNCTION BOXES AND CONDUIT RACEWAY FROM THE THERMOSTAT TO ITS RESPECTIVE UNIT FOR WIRING BY HVAC CONTRACTOR. VERIFY THAT ADDITIONAL CONDUITS FURNISHED BY E.C. REQUIRED FOR INTERLOCK WIRING SHALL BE FURNISHED BY THE HVAC CONTRACTOR.

E.C. SHALL PROVIDE LOCAL OR REMOTE DISCONNECTING MEANS FOR ALL ELECTRIC HEATING ELEMENT IF REQUIRED BY LOCAL CODE.

E.C. SHALL WIRE AND INSTALL MAGNETIC MOTOR STARTER AND SHALL COORDINATE WITH OTHER CONTRACTORS SO THAT STARTERS ARE FURNISHED WITH HAND-OFF-AUTO SELECTOR SWITCHES AND WITH A RED "RUNNING" PILOT LIGHT. THE STARTER SHALL BE AN ENGRAVED PLASTIC NAMEPLATE INDICATING THE EQUIPMENT SERVED ON THE COVER. THIS COST SHALL BE INCLUDED IN THE BASE BID.

E.C. SHALL COORDINATE WITH OTHER TRADES TO INSTALL DUCT SMOKE DETECTORS IN THE RETURN AND/OR SUPPLY AIR PLENUM WITH A FAN SHUTDOWN RELAY FOR EACH AIR SUPPLY AND ROOF TOP UNIT GREATER THAN 2,000 CFM. PROVIDE FAN SHUTDOWN RELAYS AS REQUIRED. VERIFY THE EXACT REQUIREMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.

ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR ALL WALL OUTLETS & TELEPHONE OUTLETS RUNNING IN PARTITIONS BELOW RAISED FLOORS OR ABOVE THE CEILING. EMT FITTINGS SHALL BE OF THE STEEL COMPRESSION TYPE. CONDUITS LARGER THAN 2 INCH IN DIAMETER OR CONDUIT OF ANY SIZE ROUTED OUTDOORS SHALL BE GALVANIZED RIGID CONDUIT (GRC).

FLEXIBLE HARD CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 3/8 INCH DIAMETER MINIMUM, APPROVED FOR PLENUM CONDITIONS PER LOCAL CODE WITH A MAXIMUM OF 6 FT. IN LENGTH.

WIRE #8 AWG AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN OR THHN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS. FEEDERS AND POWER WIRING #6 AWG OR LARGER SHALL BE OF TYPE THW 600 VOLT INSULATED COPPER. WIRE WHICH IS INSTALLED IN RACEWAY IN MOIST OR DAMP LOCATIONS SHALL BE THW, 600 VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN #12 AWG SHALL BE USED FOR LIGHTIN OR POWER WIRING. WIRE #10 AWG AND SMALLER SHALL BE SOLID. WIRE #8 AWG AND LARGER SHALL BE STRANDED, ALL WIRE AND CABLES SHALL BE COPPER.

THE CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION TYPE BEFORE ORDERING LIGHTING FIXTURES WITH ARCHITECTURAL DETAILS TO CONFIRM PROPER MOUNTING.

E.C. SHALL PROVIDE ALL SPECIAL OUTLET BOXES THAT MAY BE REQUIRED TO ENCLOSE RECEPTACLES.

IN SUSPENDED CEILINGS, SUPPORT CONDUIT AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SLAB, DECK, OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE AND APPROVAL GRANTED BY THE OWNER AND ARCHITECT.

WHERE FLOOR FITTINGS REQUIRE PENETRATION OF THE FLOOR SLAB, THERE SHALL BE A STANDARD DEVICE LISTED BY UL FOR THAT PURPOSE AND HAVE A UL FIRE RATING EQUAL TO THE FLOOR RATING. ALL CORE SIZES AND LOCATIONS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL AND SUBMISSION TO THE STRUCTURAL ENGINEER PRIOR TO CORING.

THE E.C. SHALL PROVIDE 3M FIRESEAL SYSTEMS FOR ALL CORED AND RACEWAY PENETRATIONS IN FIRE RATED WALLS AND FLOORS USE "CP-25" CAULK OR "303" PUTTY OR "FLAMESEAL" PUTTY PER THE MANUFACTURER'S INSTRUCTIONS TO MAINTAIN EXISTING OR NEW WALL FIRE RATINGS. VERIFY FIRE RATING CONDITIONS AND LOCATIONS PRIOR TO BIDDING. ALL OPEN CONDUIT SLEEVE PENETRATIONS SHALL BE FIRE SEALED INSIDE BY E.C. AFTER CABLES(S) ARE COMPLETELY INSTALLED. SEALING METHODS SHALL BE PROVIDED BY E.C. SUBJECT TO APPROVAL OF CABLE SUPPLIER.

NUMBERED CIRCUITS SHOWN ON PLAN ARE FOR THE CONVENIENCE OF THE DESIGN, THE ACTUAL FIELD CONDITIONS WILL AFFECT THE CIRCUITRY. CONTRACTOR TO INDICATE THE ACTUAL CIRCUIT NUMBERS IN THE AS-BUILT DRAWINGS.

BUILDING STANDARDS:

- 1) ALL NEW CONDUIT RACEWAYS AND BOXES FOR ALL SYSTEMS SHALL BE INSTALLED WHERE REQUIRED.
 - 2) NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BLOCK OR PREVENT FULL COMPLETE ACCESS AND/OR OPERATION OF NEW OR EXISTING HVAC EQUIPMENT, ACCESS DOORS, PIPING VALVES, JUNCTION BOXES, FAN POWER/VAV BOXES, MAIN RETURN AIR DUCTS, PULLBOXES, CLEANOUTS, ETC.
 - 3) NEW CONDUIT AND PULLBOXES TO BE INSTALLED BELOW NEW DUCTWORK SHALL BE MOUNTED TIGHT UP TO THE BOTTOM OF DUCT WITH 90 DEGREE BENDS UP THE SIDEWALL OF THE DUCT. SUPPORTS SHALL NOT PENETRATE DUCTWORKS AND SHALL BE INDEPENDENT OF DUCTWORK SUPPORTS. DIRECT CONTACT OF CONDUIT RACEWAY SYSTEMS WITH DUCTWORK OR PIPING SHALL BE PROVIDED WITH VIBRATION SEPARATION METHOD APPROVED BY THE ENGINEER.
 - 4) THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE HELD TO HAVE EXAMINED THE CONSTRUCTION SITE WITH RESPECT TO CONSTRUCTION DRAWINGS, ACTUAL FIELD CONDITIONS, DOOR FRAME HEIGHTS, PIPING OBSTRUCTIONS, DUCTWORK HEIGHTS AND LEVELS, FLOOR LEVELS, CEILING HEIGHTS, ETC. PRIOR TO FINAL BIDS.
- ALL HANGER AND/OR ROD SUPPORT SYSTEMS SHALL BE SUPPORTED TO THE BOTTOM RIB OF THE DECK, WHERE APPLICABLE.

CONTRACTOR SHALL PROVIDE ALL NECESSARY PROPERLY SIZED WALL OR MILLWORK MOUNTED BOXES, RINGS, SUPPORTS AND DEVICES AS REQUIRED VIA COORDINATION WITH ARCHITECTURAL WALL SECTIONS, AND MILLWORK DETAILS. ADDITIONALLY THEY SHALL PROVIDE A WRITTEN GUARANTEE THAT THE ELECTRICAL INSTALLATION IS FREE FROM MECHANICAL AND ELECTRICAL DEFECTS. CONTRACTOR AT HIS/HER EXPENSE SHALL REPLACE AND/OR REPAIR TO THE SATISFACTION OF THE TENANT AND/OR MANUFACTURER INSTALLATION INSTRUCTIONS ANY PARTS OF THE INSTALLATION WHICH MAY FAIL WITHIN A PERIOD OF 12 MONTHS FROM CONSTRUCTION ACCEPTANCE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PROVIDED THAT SUCH FAILURE IS DUE TO DEFECTS IN MATERIAL, WORKMANSHIP OR FAILURE TO FOLLOW THE SPECIFICATIONS AND DRAWINGS.

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ENG. FIRM
F-12766

ENGINEER



10/17/2022

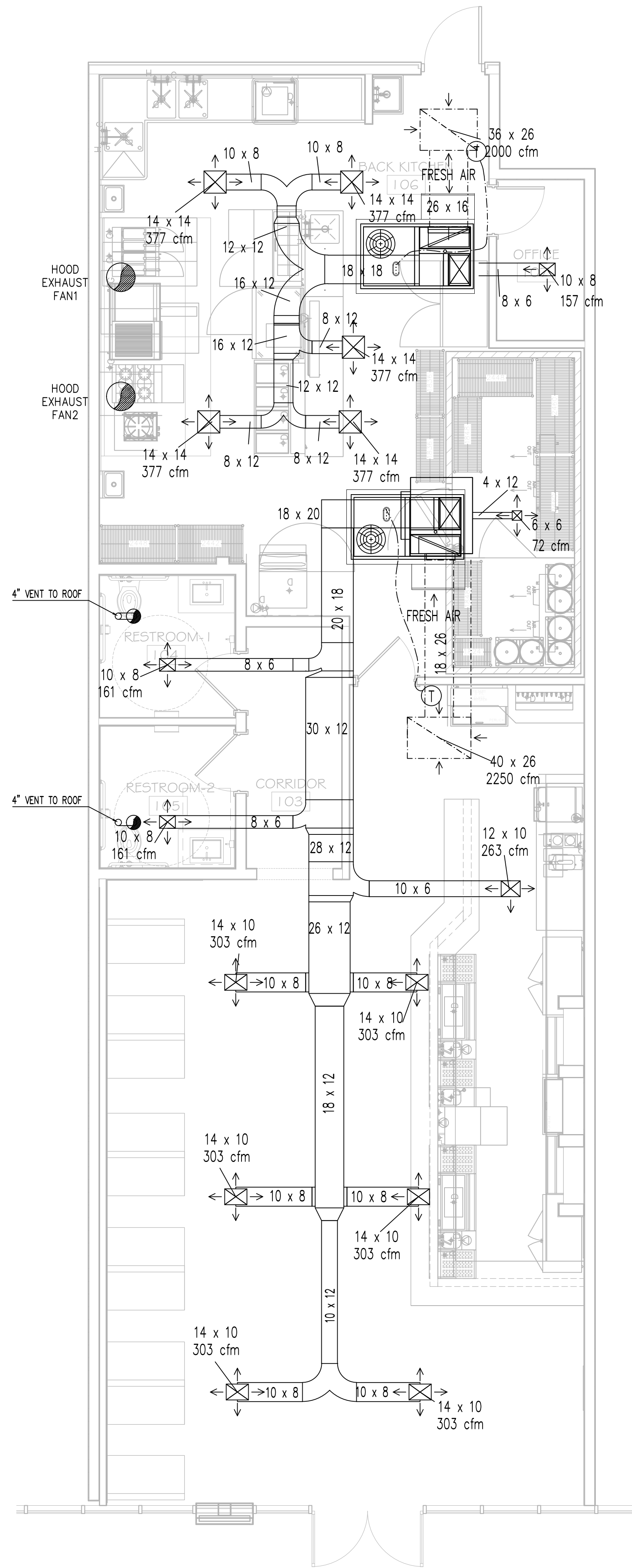
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REVISIONS		
No.	Description	Date
0	ISSUED FOR PERMIT	10/17/2022

DATE ISSUED: 08/26/2022

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HVAC NOTES:

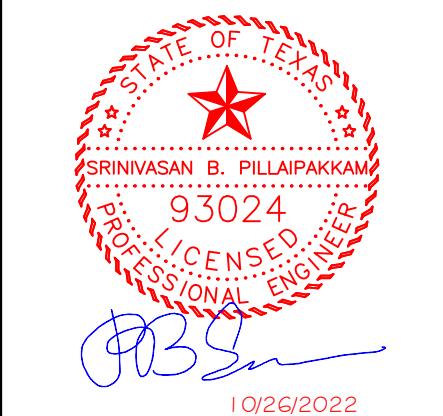
- ALL HVAC DESIGN AND INSTALLATION SHALL BE PER UNIFORM MECHANICAL COEDE (IMC 2015) AND CITY OF KATY AMENDMENTS
- ALL DUCTWORK SHALL BE SHEET METAL RIGID DUCTS WITH R8 INSULATION UNO
- ALL TERRACE ELECTRICAL CONNECTIONS SHALL BE ENCLOSED IN WEATHER PROTECTION CASINGS
- VERIFY DIMENSIONS WITH ARCHITECTURAL PLANS AND COORDINATE WITH CONTAINER INSTALLATION IN FIELD AS REQUIRED
- ALL HVAC UNIT INSTALLATIONS PER IMC 2015 AND MANUFACTURER'S INSTALLATION REQUIREMENTS.
- CONDENSER DRAINS SHALL BE DRAINED TO THE NEAREST 2" VENTERD WASTE WATER LINE (VWW) RE: PLUMBING PLAN FOR LOCATIONS
- ALL SECONDARY / ALT DRAINS TO BE DRAINED TO NEARES STORM / RUN OFF DRAINS WITH 1" AIR GAP / VACCUM BREAKER CONNECTION.

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MECHANICAL / PLUMBING ENGINEER



MECHANICAL / PLUMBING ENGINEER

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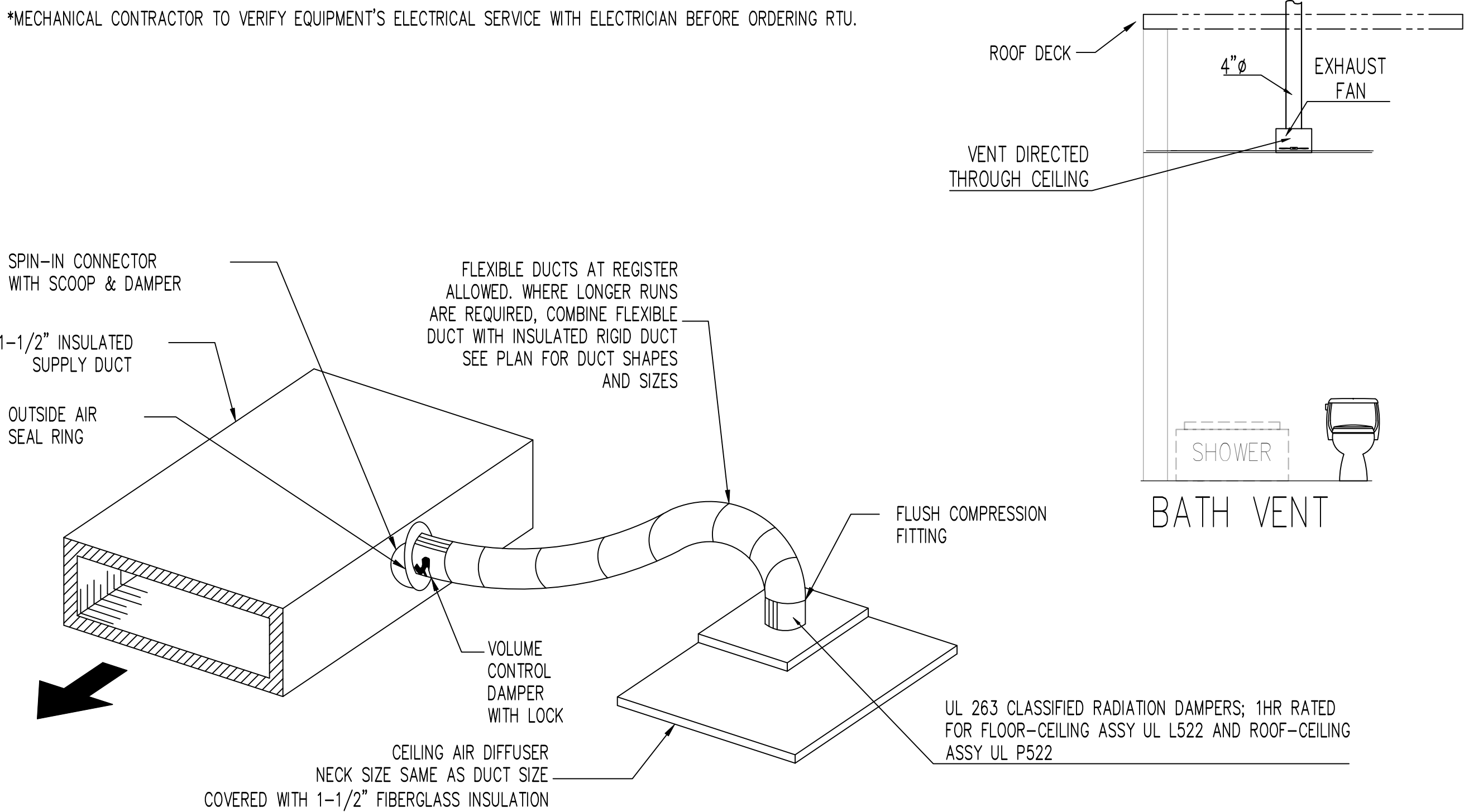
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M1.1 HVAC PLAN
SCALE: NTS

MECHANICAL EQUIPMENT SCHEDULE

	MODEL	COOL (BTU)	HEAT (BTU/KW)	TON	ELECT	CFM	LOADS		COMMENTS
							COOLING LOAD	HEATING LOAD	
RTU-KITCHEN	CARRIER WEATHERMASTER	62,320	19.7 KW	5	460V-3P-60A	2000	SENS: 34,440 BTU LAT: 21,593 BTU	51,515 BTU	RTU: 50GC-M06A1A6-0A0A0 HEAT KIT: CRHEATER337A00
RTU2	CARRIER WEATHERMASTER	88,340	25.5 KW	7.5	EXISTING	2250	SENS: 52,668 BTU LAT: 27,035 BTU	53,411 BTU	RTU: 50HCB08A1A6-0A0A0 HEAT KIT: CRHEATER114800
HOOD FAN	ACCUREX	N/A	N/A	N/A	115V/1/60A	1231			ACCUREX HOOD # 125 XBEW-75-S
HOOD FAN	ACCUREX	N/A	N/A	N/A	115V/1/60A	1595			ACCUREX HOOD # 125 XRUD-130-A
MAKE UP AIR FAN	ACCUREX	N/A	N/A	N/A	115V/1/60A	2244			ACCUREX MAKE UP AIR XMSF-P115-H20-VG
EF1	BROAN	N/A	N/A	N/A	120V/1/0.5A	50			BROAN 670

*MECHANICAL CONTRACTOR TO VERIFY EQUIPMENT'S ELECTRICAL SERVICE WITH ELECTRICIAN BEFORE ORDERING RTU.



DUCT DETAIL

SCALE: NTS

LEGEND

SUCTION LINE 3/4" VAPOR REFRIGERANT LINE
LIQUID LINE 3/8" COLD REFRIGERANT LINE
DRAIN LINE 2" VENTED WASTE WATER SEWER: PVC
SCH 40

PROGRAMMABLE HUMIDITY CONTROL
THERMOSTAT.

AIR RETURN GRILLE. TITUS
OR EQUAL; SIZE AS
MARKED

AIR SUPPLY DIFFUSER. TITUS OR
EQUAL; SIZE AS MARKED

FLEX DUCT

RIGID DUCT

TEE JOINT

ELBOW JOINT

FLEX. DUCT SIZE	CFM RANGE
6" DIA.	0 TO 120
8" DIA.	121 TO 230
10" DIA.	231 TO 350
12" DIA.	351 TO 500
14" DIA.	501 TO 650

AT AIR VELOCITIES 500 - 1000 FPM

MECHANICAL GENERAL NOTES

- VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND FROM ARCHITECTURAL PLANS.
- CONTRACTOR AND SUB-CONTRACTOR SHALL PAY FOR ALL PERMITS AND CHARGES REQUIRED AND COMPLY WITH ALL GOVERNING CODES AND ORDINANCES.
- MECHANICAL COMPONENTS SHALL BE INSTALLED PER UNIFORM MECHANICAL BUILDING CODE REQUIREMENTS (2015 UMC)
- IF INCLUDED, REFER TO REFLECTIVE CEILING PLAN FOR THE EXACT LOCATIONS OF ALL CEILING AIR DEVICES.
- FURNISH AND INSTALL COMPLETE AND OPERATIONAL MECHANICAL SYSTEMS AS SHOW ON PLANS AND SPECIFIED HEREIN.
- MINI SPLIT HEAT PUMPS AND AIR CONDITIONERS SHALL HAVE DRAIN LINES INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CONNECTED TO THE NEAREST 2" VENTED DRAIN LINE.
- AIR INTAKE AND EXHAUST OPENINGS THAT TERMINATE OUTDOORS SHALL BE PROTECTED BY CORROSION RESISTANT LOUVERS, SCREENS OR GRILLS.
- DRYER EXHAUST DUCTS: INTERIOR SHALL BE SMOOTH WITH 4" NOMINAL DIAMETER. MAX LENGTH OF THE DRYER EXHAUST DUCTS SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS TO BE PROVIDED TO THE CODE/INSPECTION OFFICIAL
- DUCTWORK SHALL BE AS FOLLOW:
 - RIGID FIBERGLASS DUCT SHALL BE 1.5" THICK FIBERGLASS DUCT BOARD WITH ALUMINUM VAPOR BARRIER ON THE EXTERIOR COMPLIANT WITH UL STANDARD NO. 181, AIR DUCT.
 - FURNISH AND INSTALL AIR SCOOPS, EXTRACTORS, SPIN-IN FITTINGS WITH VOLUME DAMPERS AND SPLIT DAMPERS WITH OPERATORS AT ALL SPLITS, BRANCH CONNECTIONS AND REGISTER OR DIFFUSER CONNECTIONS TO DUCKWORK AND AS OTHERWISE INDICATED ON PLANS.
 - INSULATE ALL GALVANIZED SHEETMETAL SUPPLY, RETURN AND OUTSIDE AIR DUCT WITH 1" THICK, MATFACED INTERNAL DUCT LINER WITH SCREW SUPPORT AT 12" ON CENTER - RESULTING IN MIN R8 INSULATION.
 - DIMENSIONS SHOWN ON PLANS SHALL BE FREE AIR FLOW AREA.
 - FLEXIBLE DUCT SHALL BE INSULATED. WHERE LONGER RUNS ARE REQUIRED COMBINE FLEX DUCT WITH RIGID ROUND DUCT (INSULATED).
 - SEAL ALL TRANSVERSE JOINTS, SEAMS AND FITTINGS WITH FOSTER "32-50" WATER BASE HIGH VELOCITY DUCT SEALANT IN ACCORDANCE WITH SMAONA STANDARD.
- ALL SUPPLY & RETURN AIR DUCTS LOCATED OUTSIDE THE BUILDING SHALL BE INSULATED USING R-8 INSULATION. EXTERNALLY INSULATED DUCT SHALL BE R-8.
- ALL SUPPLY & RETURN AIR DUCTS LOCATED INSIDE THE BUILDING SHALL BE INSULATED USING R-8 INSULATION. EXTERNALLY INSULATED DUCT SHALL BE R-8.
- OUTDOOR AIR INTAKE AND EXHAUST OPENINGS SHALL BE PROIDED WITH MOTORIZED DAMPERS.
- CONDENSATE LINES SHALL BE FULL SIZE, DRAIN TO NEAREST FLOOR DRAIN OR APPROVED FIXTURE.
 - CONDENSATE DRAINS SHALL BE SCHEDULE 40 PVC.
- REFRIGERANT PIPING SHALL BE TYPE ACR WROUGHT COPPER WITH WROUGHT COPPER FITTINGS AND BRAZED JOINTS.
- PROVIDE COMPLETE HVAC CONTROL SYSTEMS INCLUDING ELECTRONIC PROGRAMMABLE THERMOSTAT WITH HUMIDITY CONTROL AND TAMPER-PROOF LOCKING COVER, CONTROL WIRING CONDUITS, INTERLOCK WIRING AND CONTROL DEVICES.
- PROGRAMMABLE WIRELESS THERMOSTAT CONTROLS SHALL BE PROVIDED FOR INDOOR UNITS OF ALL MINI-SPLIT SYSTEMS.
- SUPPLY AIR DIFFUSER SHALL BE TITUS MODEL TDC,UNLESS OTHERWISE NOTED, 24"X24" FACE, ROUND NECK WITH VOLUME DAMPER.
- RETURN AND EXHAUST AIR GRILLES SHALL BE TITUS MODEL 50F OR EQUAL.
- CONTRACTOR SHALL INSTALL ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- BALANCE AIR DISTRIBUTION SYSTEMS PER AABC STANDARDS. CONTRACTOR SHALL SUBMIT FINAL BALANCING REPORT SIGNED BY AABC CERTIFIED ENGINEER.
- CEILING EXHAUST GRILLE AND TRANSFER AIR GRILLE SHALL BE TITUS MODEL 50F OR EQUAL.
- CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR, EFFECTIVE THE DAY THE PROJECTS IS ACCEPTED BY THE OWNER. REFRIGERANT COMPRESSORS BE GUARANTEED FOR FIVE YEARS.
- DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL REQUIRED FITTINGS, CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TYPE, SIZE AND LOCATION OF ALL AIR DEVICES, DUCT WORK PIPING AND EQUIPMENT WITH THE CEILING PLAN, LIGHTS, STRUCTURAL ELEMENTS AND OTHER TRADES, CONTRACTOR TO FURNISH AND INSTALL ALL BENDS, OFFSETS, ELBOWS, ETC. AS REQUIRED VERIFY ALL CLEARANCES PRIOR TO FABRICATING DUCTWORK OR ORDERING EQUIPMENT.
- DUCT SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS OR DECONTAMINATION EQUIPMENT UPON ACTIVATION THE SMOKE DETECTORS SHALL SHUT DOWN THE AIR HANDLING UNIT.
 - IF THERE IS A FIRE ALARM SYSTEM, DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR, INSTALLED BY THE MECHANICAL CONTRACTOR . ACTIVATION OF A DUCT SMOKE DETECTORS SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
 - IF THERE IS NOT A FIRE ALARM SYSTEM DETECTORS SHALL BE FURNISHED AND WIRED AND INSTALLED BY THE MECHANICAL CONTRACTOR ACTIVATION OF A DUCT SMOKE DETECTORS SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY.
- PROVIDE A CLEAN SET OF FILTERS FOR ALL AIR HANDLING EQUIPMENT AT SUBSTANTIAL COMPLETION.
- MAINTAIN A MINIMUM 10'-0" BETWEEN OUTDOOR AIR INTAKES AND EXHAUST FAN DISCHARGE AND PLUMBING VENTS, ETC. FIELD COORDINATE.
- PROVIDE 4" THICK CONCRETE PAD FOR ALL GROUND MOUNTED OUTDOOR HVAC UNITS. PADS SHALL BE MINIMUM 6" LARGER THAN UNIT ON ALL SIDES. SLOPE PADS AWAY FROM BUILDING.
- RUN DUCT UP WITHIN STRUCTURE OR THROUGH JOIST WEBS WHERE POSSIBLE & WHERE REQUIRED TO MAINTAIN CEILING HEIGHTS.
- PROVIDE OFFSETS IN DUCT WHERE REQUIRED WITH MAX. 45 ELBOWS. MAKE BRANCH TAPS OFF TOP, SIDES OR BOTTOM AS REQUIRED . NO BACK 90 ELBOWS ALLOWED.
- REFRIGERANT PIPING SHALL BE SIZED & INSTALLED IN ACCORDANCE WITH THE MANUFACTURERES RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
- ALL EQUIPMENT SHALL BE LABELED ACCORDING TO NUMBERING/ IDENTIFICATION SYSTEM PER PLANS.

Outside Air Requirements for Ventilation

Room / Area	Sqft	CFM Per sqft	# of persons	CFM per person	# of Exhaust Fans	CFM per fan	Total
RTU-Kit							
Kitchen area	674	0.18	11	7.5			204 cfm
Office area	45	0.06	1	5			8
RTU2							
RR1	62	0.06		5			4
Rest Room Exhaust					1	25	25
RR2	62	0.06		5			4
Rest Room Exhaust					1	25	25
Dining / Bar area	1202	0.18	45	7.5			554
Hood 1					1	1231	1231
Hood 2					1	1575	1575
Total							3630 cfm

Outside Air Supplied for Ventilation

Unit # / name	percent age of unit cfm	Total cfm of unit	Total
RTU-KIT	33	2000	660
RTU2	33	2250	743
MUA1			2244
Total			3647 cfm

MECHANICAL / PLUMBING ENGINEER

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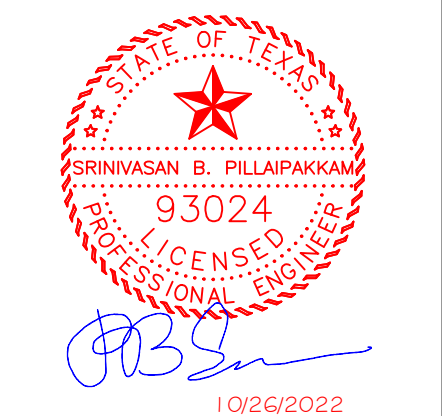
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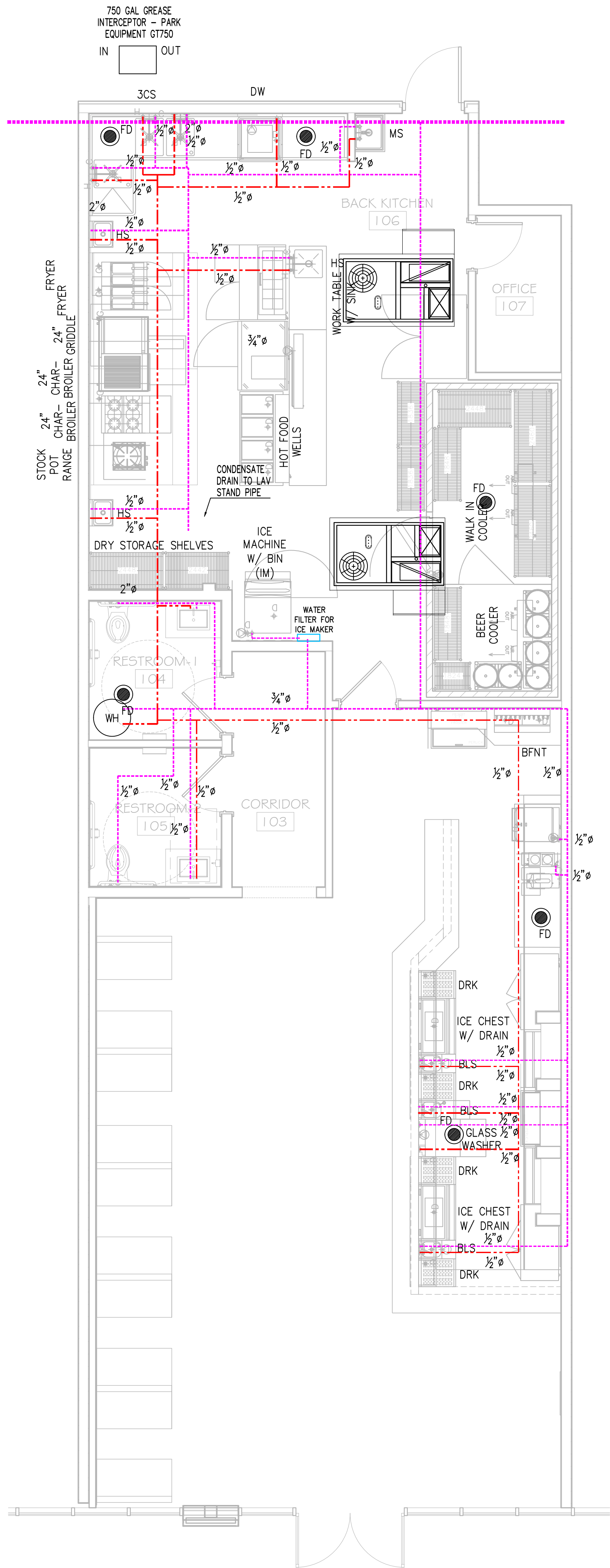


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1. *Journal of the American Medical Association*, 2000; 284: 2689-2694.



FRESH WATER LINE DIAGRAM
SCALE: NTS

SYMBOLS & LEGEND

- HS SINK
- WC WATER CLOSET (TOILET)
- MS MOP SINK
- 3CS 3 COMPARTMENT SINK
- FAUCET / HOSE BIB
- BACK FLOW PREVENTER VALVE
- MV MIXING VALVE

- PLUMBING NOTES:**
- PLUMBING DESIGN AND INSTALLATION PER IPC 2015 AND CITY OF KATY AMENDMENTS.
 - UNDERGROUND WATER LINES SHALL BE PVC WITH NO JOINTS.
 - SANITARY WASTE AND VENT: PVC SCH 40 WITH SOLVENT WELDED JOINTS
 - ALL SEWER SHALL BE SCH 40 PVC BELOW SLAB

- COLD WATER PIPING : COPPER TYPE "L" / PEX ASTM F877
HOT WATER PIPING : COPPER TYPE "L" / PEX ASTM F877
4"Ø SANITARY SEWER: PVC
2"Ø VENTED WASTE WATER SEWER: PVC
4"Ø VENT TUBE TO OUTSIDE
3"Ø VENT TUBE TO OUTSIDE

ALL DRAINS (FLOOR AND WALL) SHOULD INCLUDE MANUFACTURER COMPATIBLE TRAP GUARD INSTALLED

- DRAIN PIPE SIZES (UNO IN PLAN):**
- BATH TUB / SHOWER: 2"
 - HAND SINK / LAV / KITCHEN SINK: 2"
 - WASHER: 2"
 - DISHWASHER: 1" (OR PER MFR)
 - FLOOR DRAIN: 2"
 - WATER CLOSET / TOILET: 4"
 - URINALS: 2"

- COLD & HOT WATER SUPPLY PIPE SIZES (UNO IN PLAN):**
- HAND SINK / LAV / KITCHEN SINK: 1/2"
 - BATH TUB / SHOWER: 1/2"
 - WASHER: 1/2"
 - DISHWASHER: 1/2" (OR PER MFR)
 - WATER CLOSET / TOILET: 1/2"
 - URINALS: 1/2"

- PLUMBING FIXTURES:**
- BFP BACK FLOW PREVENTER
 - WH WATER HEATER
 - WC COMMODE – ADA COMPLIANT – MAX 1.28 GAL PER FLUSH
 - 2CS 2 COMP KITCHEN SINK MAX FLOW RATE 2.2 GPM
 - LAV BATHROOM HAND SINK / LAVATORY MAX FLOW RATE 0.5 GPM
 - MS MOP SINK WITH FAUCET MAX FLOW RATE 2.2 GPM

REFER TO PLUMBING FIXTURE SCHEDULE FOR DETAILS OF EACH FIXTURE / APPLIANCE

- PLUMBING FIXTURE NOTES:**
- PROVIDE SHUT OFF VALVE FOR ALL WATER LINES AT PLUMBING FIXTURES AND EQUIPMENT CONNECTIONS
 - MAXIMUM FLOW FROM A SINK OR LAVATORY FAUCET SHALL NOT EXCEED 2.2 GAL OF WATER / MIN
 - MAXIMUM FLOW OF WATER PER FLUSH FROM A TOILET SHALL NOT EXCEED 1.28 GAL AVE
 - INSTALL TRAP PRIMER OR TRAP GUARD THAT SERVE THE RESTROOM AND WATER HEATER

- FRESH WATER SUPPLY NOTES:**
- CONTRACTOR SHALL VERIFY AND CONNECT TO EXISTING CITY WATER SUPPLY LINE
 - INSTALL ZURN 1070 OR SIMILAR TMV CONFORMING TO ASSE1070 REQUIREMENTS AT EACH POINT OF USE SUCH AS LAVATORIES AND SINKS
 - CONTRACTOR SHALL VERIFY APPROPRIATE BACKFLOW PREVENTION DEVICE ARE INSTALLED AT THE DESIGNATED METER AND IN ACCORDANCE WITH GOVERNING CODES
 - ENGINEER OF RECORD TO APPROVE ALL SUBSTITUTIONS BASED ON "OR EQ." OR "OR EQUIVALENT" PROVISIONS IN NOTES, EQUIPMENT SPEIFICATIONS OR OTHERS IN THIS PLAN SET

MECHANICAL / PLUMBING ENGINEER

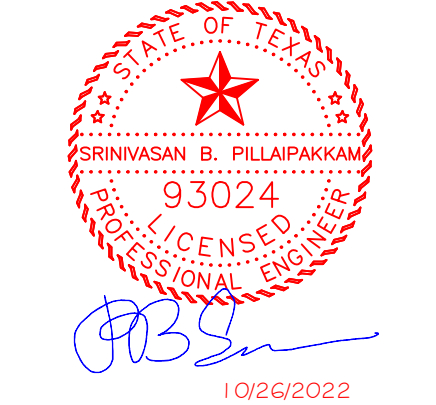
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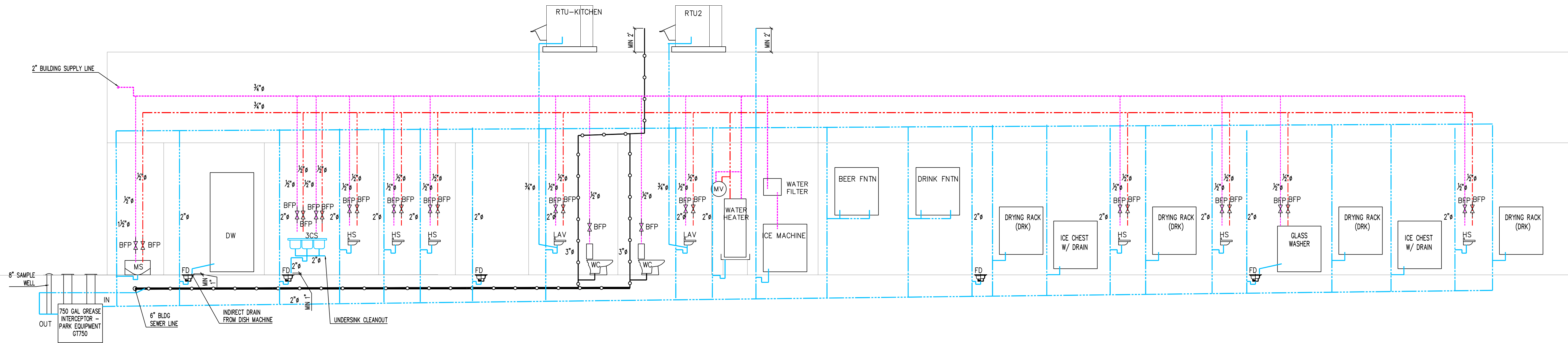
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MECHANICAL / PLUMBING ENGINEER



DATE	DESCRIPTION	DWG BY	CHECK BY
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SYMBOLS & LEGEND

- HS SINK
- WC WATER CLOSET (TOILET)
- MS MOP SINK
- 3CS 3 COMPARTMENT SINK
- FAUCET / HOSE BIB
- BACK FLOW PREVENTER VALVE
- MV MIXING VALVE

PLUMBING RISER DIAGRAM

SCALE: NTS

PLUMBING EQPT/FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	C.W.	H.W.	SAN.	VENT.	SPECIFICATIONS
WC	WATER CLOSET	1/2"		3"	3"	TANK TYPE 1.25 G.P.F. COMPLETE W/COVER; AMERICAN STANDARD (ASTD) CHAMPION ADA COMPLIANT
3CS	3 COMPARTMENT KITCHEN SINK	1/2"	1/2"	2"	2"	3 COMPARTMENT SINK WITH FAUCET (EA COMPARTMENT)- AMERICAN STANDARD (ASTD); ASTD AVERY SINGLE HANDLE FAUCET NOT TO EXCEED 2.2 GPM USE LIMIT
LAV, HS	BATHROOM / HAND SINK	1/2"	1/2"	2"	2"	SINK WITH FAUCET - AMERICAN STANDARD (ASTD) 4" CENTerset HOLES, ASTD 4" CENTerset FAUCET; NOT TO EXCEED 2.2 GPM USE LIMIT
MS	MOP SINK	1/2"	1/2"	2"	2"	SINK WITH FAUCET - AMERICAN STANDARD SERVICE SINK WITH INTEGRAL FAUCET NOT TO EXCEED 2.2 GPM USE LIMIT
WH	NATURAL GAS WATER HEATER	3/4" IN	3/4" OUT			100 G STORAGE NAT GAS WATER HEATER AMERICAN HCG3 100T199-3 - 100G STORAGE
MV	MIXING VALVE	1"				SHARKBITE CASH ACME HEATGUARD 110-D OR EQ.
DW	GLASS WASHER		1/2"	1/2"		DISHWASHER - DOMESTIC STYLE WITH MAX 4GAL RINSE DEMAND - WHIRLPOOL 24" BUILT IN UNDER COUNTER
WF	WATER FOUNTAIN ADA COMPLIANT	1/2"	1/2"	2"		ELKAY EZS4 MIN 4 GPH DISCHARGE ADA COMPLIANT WATER FOUNTAIN

NOTES:

PROVIDE SHUT OFF VALVES FOR ALL WATER LINES AT PLUMBING FIXTURES AND EQUIPMENT CONNECTIONS.

MAXIMUM FLOW FROM A SINK OR LAV. FAUCET SHALL NOT EXCEED 2.2 GAL. OF WATER/MIN

MAXIMUM FLOW OF WATER PER FLUSH FROM URINAL SHALL NOT EXCEED 1 GAL. AVE.

MAXIMUM FLOW OF WATER PER FLUSH FROM A TOILET SHALL NOT EXCEED 1.25 GAL. AVE.

INSTALL TRAP PRIMER THAT SERVE THE RESTROOM & WATER HEATER.

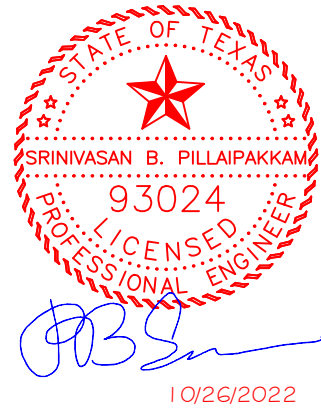
INSTALL ZURN 1070 OR SIMILAR TMV CONFORMING TO ASSE1070 REQUIREMENTS AT EACH POINT OF USE SUCH AS LAVATORIES AND SINKS

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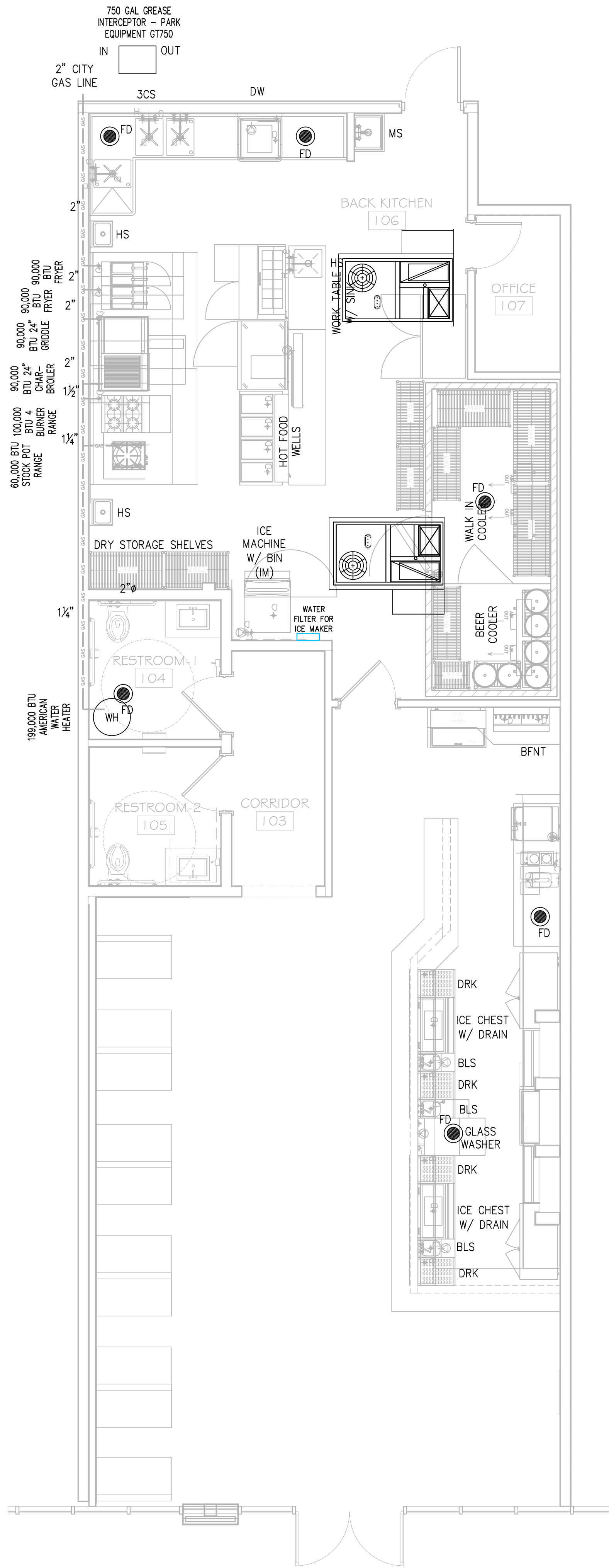
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GAS PIPING NOTES:

- DESIGN AND INSTALLATION PER IRC 2015, IPC 2015 AND CITY OF KATY ORDINANCES.
- PIPING MATERIAL SHALL CONFORM TO SECTION 403 OF IFGC 2015
- CAST IRON PIPES ARE NOT PERMITTED
- POLYETHYLENE PLASTIC PIPES ARE PERMITTED PROVIDED PIPING CONFORMS TO ASTM D2513 AND MARKED WITH "GAS" AND "ASTM D2513".
- GAS PIPE, TUBING, FITTING AND FIXTURES SHALL BE FREE OF BURRS, CUTS AND OTHER DEFECTS. DAMAGED OR DEFECTIVE PIPES AND FITTINGS NOT PERMITTED
- ALL CONNECTIONS, REGULATORS AND FITTINGS SHALL BE PER MANUFACTURER'S SPECIFICATIONS
- DO NOT SCALE DRAWINGS

REGULATOR / VALVE

SYMBOLS & LEGEND

- HS SINK
- WC WATER CLOSET (TOILET)
- MS MOP SINK
- 3CS 3 COMPARTMENT SINK
- FAUCET / HOSE BIB
- BACK FLOW PREVENTER VALVE
- MV MIXING VALVE

GAS LINE DIAGRAM

SCALE: NTS

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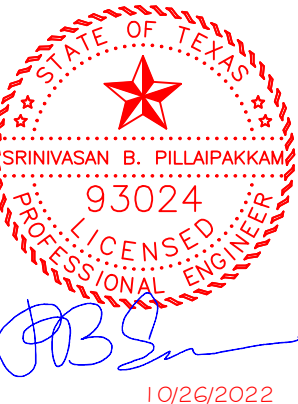
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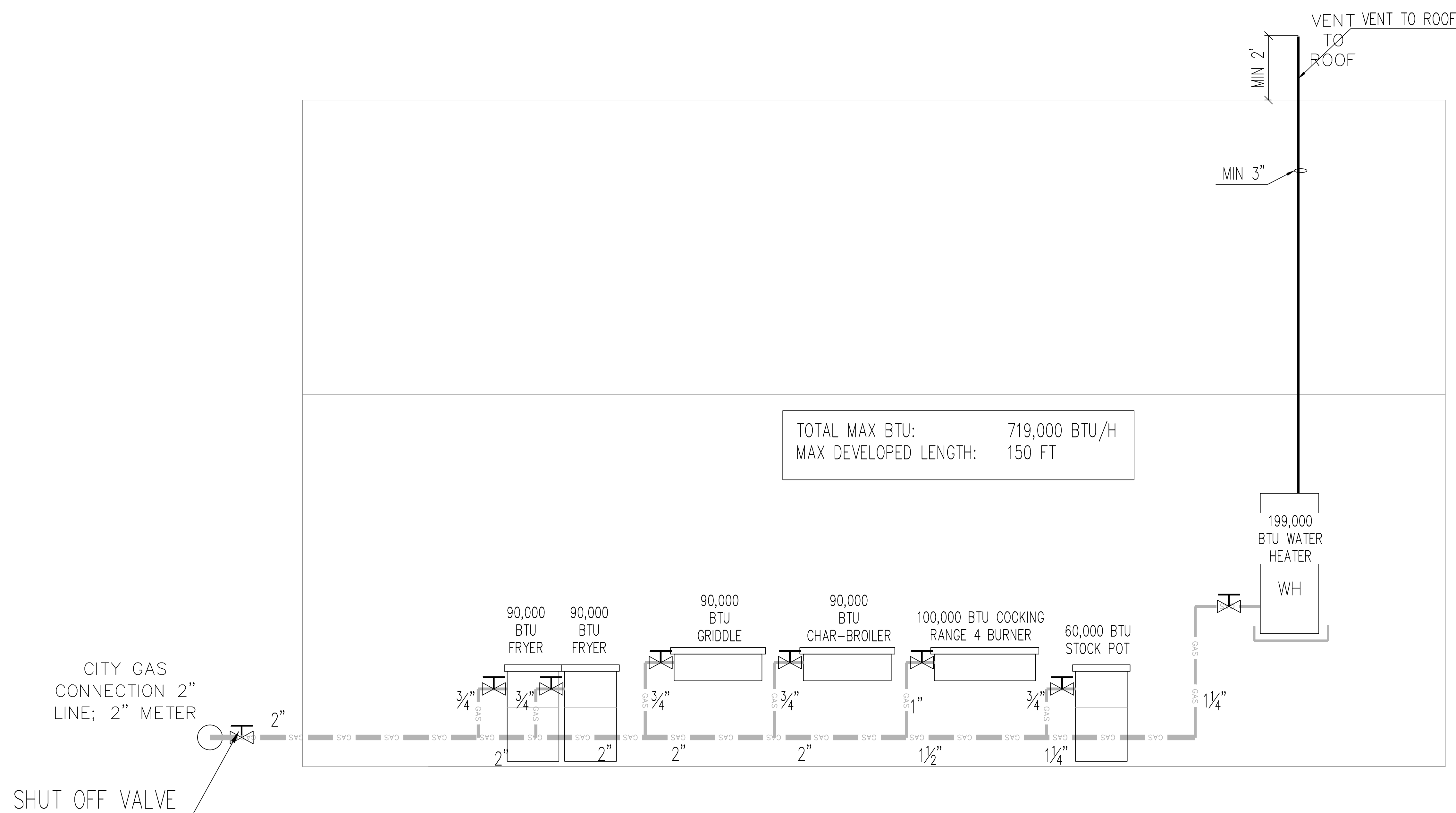
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GAS PIPING NOTES:

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- ALL CONNECTIONS, REGULATORS AND FITTINGS SHALL BE PER MANUFACTURER'S SPECIFICATIONS
- DO NOT SCALE DRAWINGS



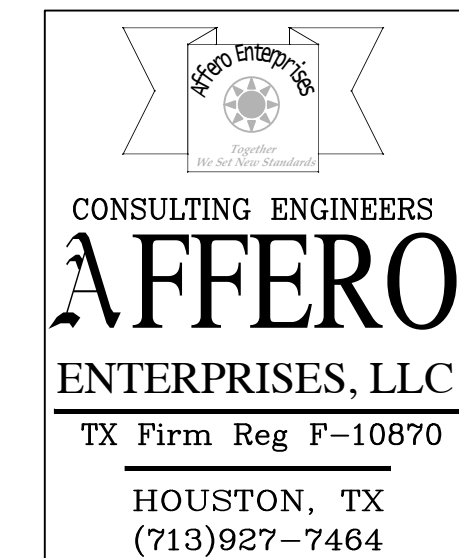
REGULATOR / VALVE



GAS LINE RISER DIAGRAM

SCALE: NTS

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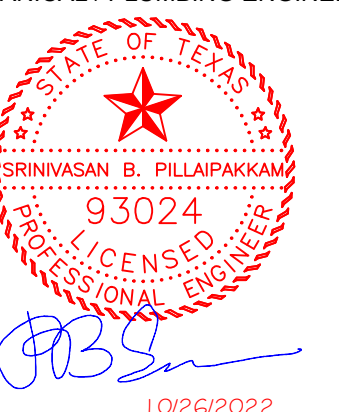
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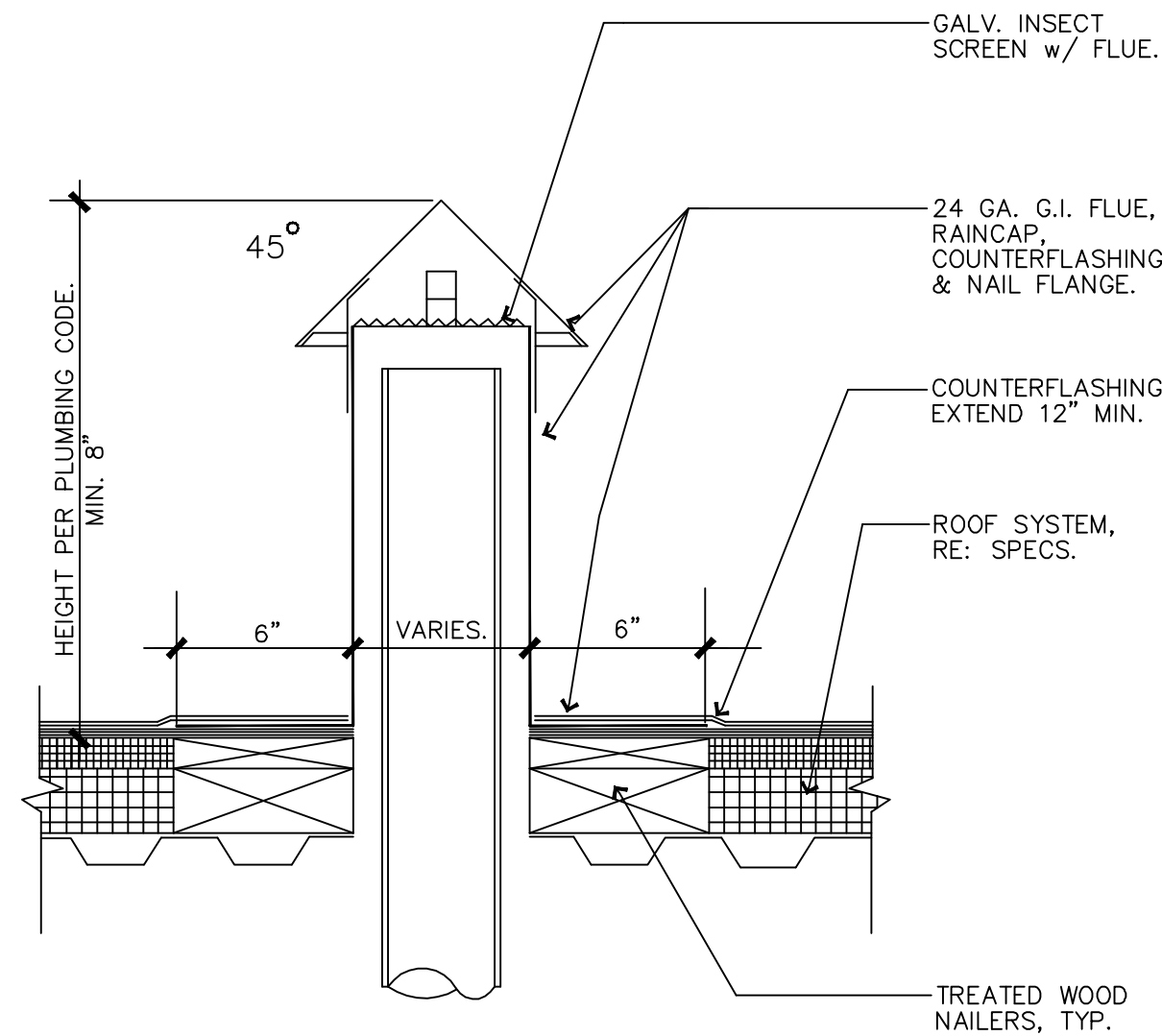
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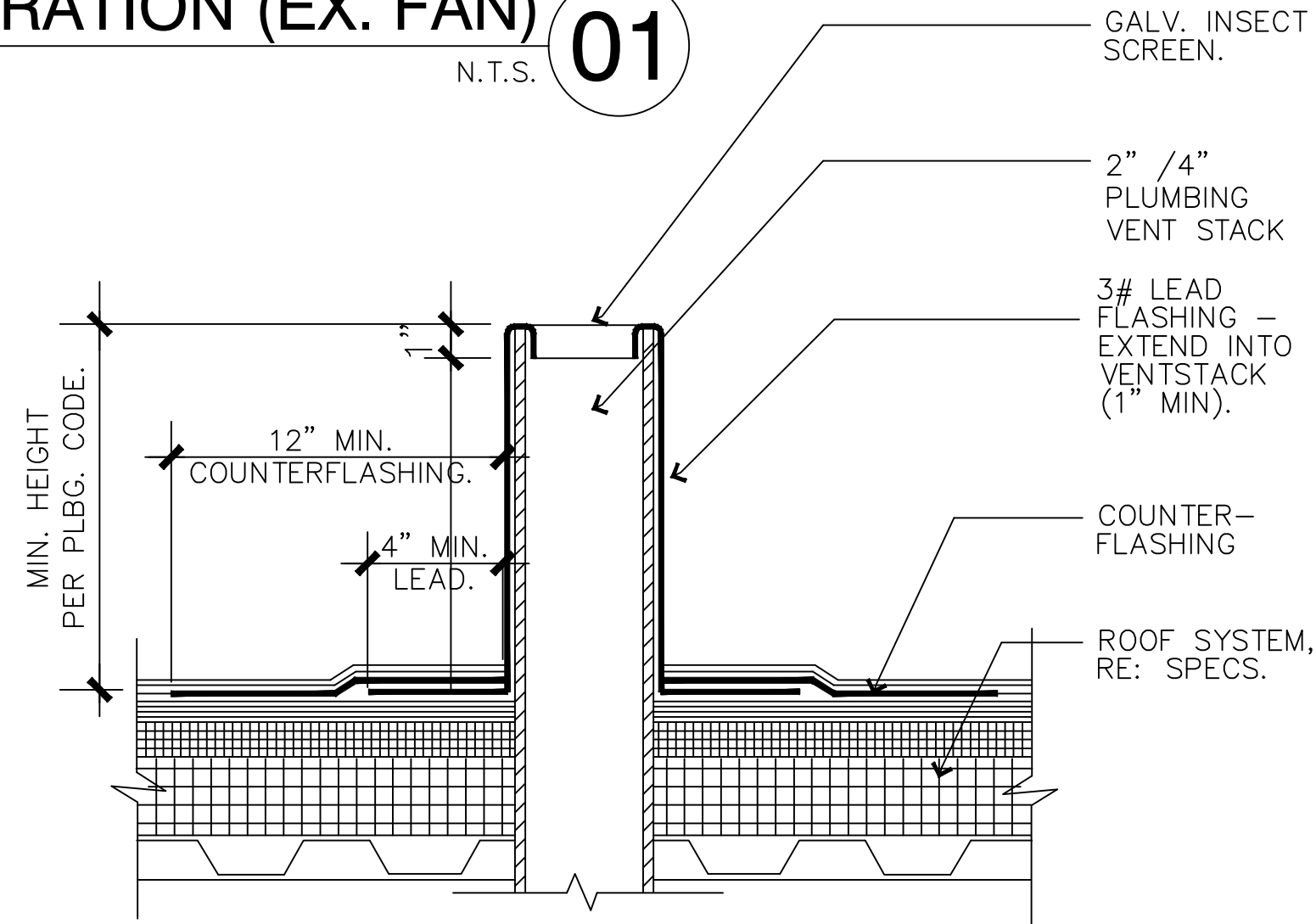
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ROOF PENETRATION (EX. FAN)

N.T.S.

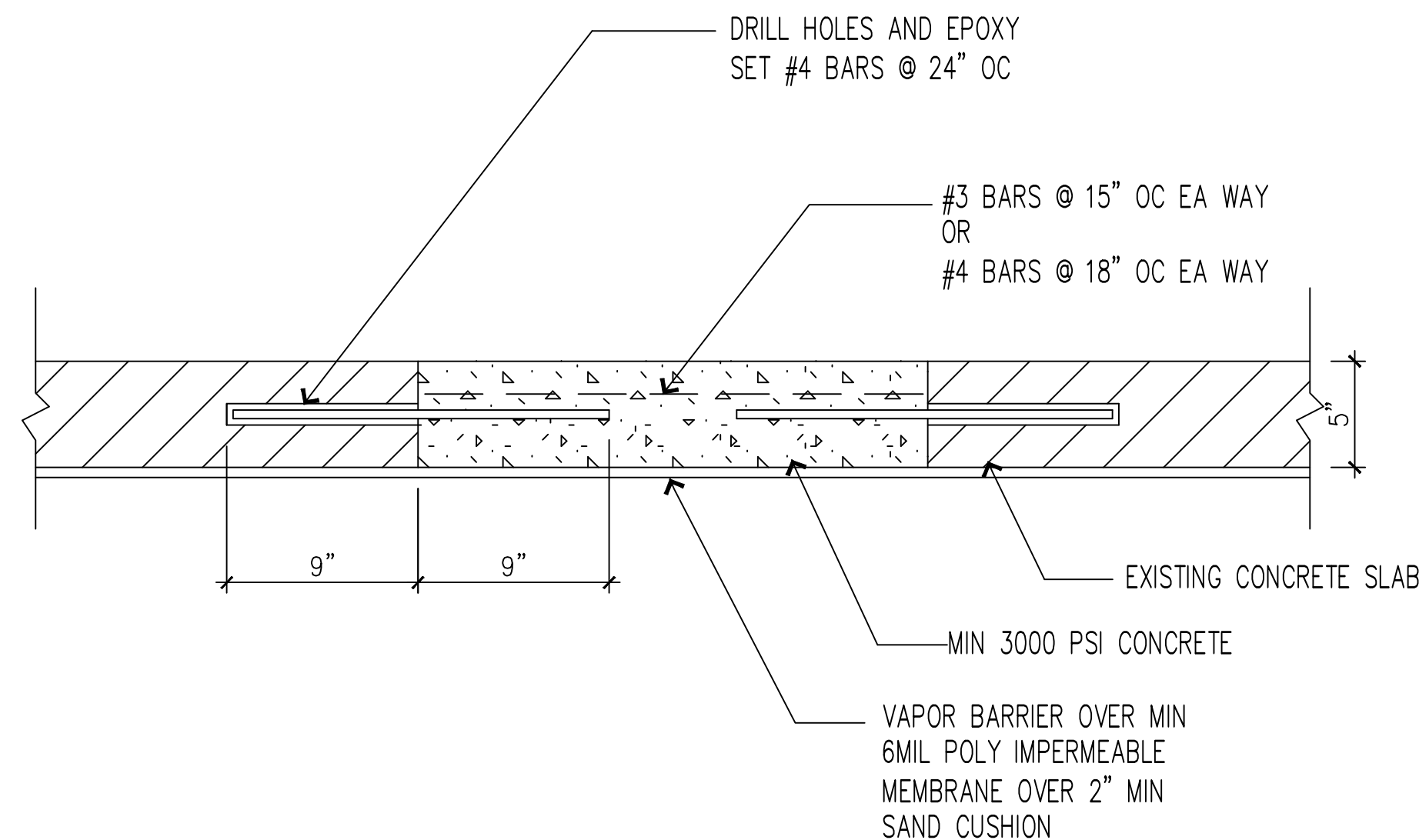
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VENT PENETRATION DETAIL

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03



SLAB REMOVAL DETAIL

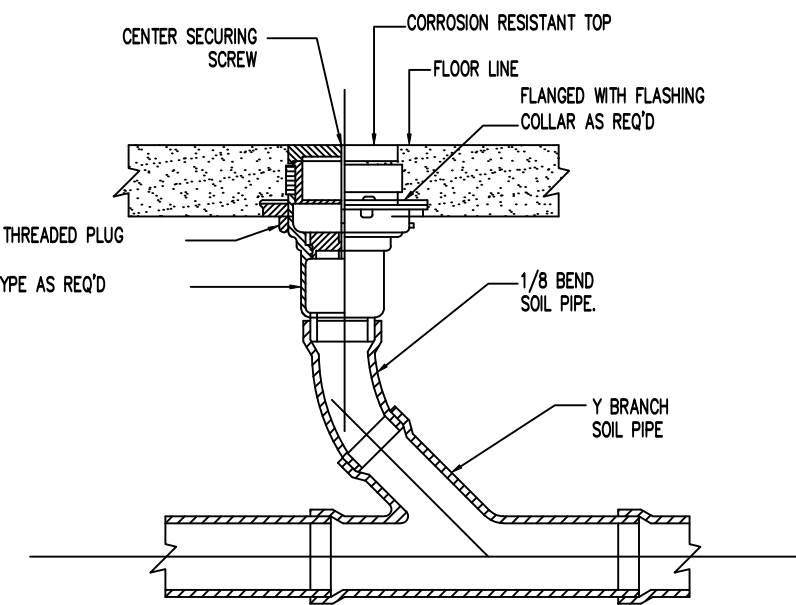
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05

FLOOR CLEANOUT DETAIL

N.T.S.

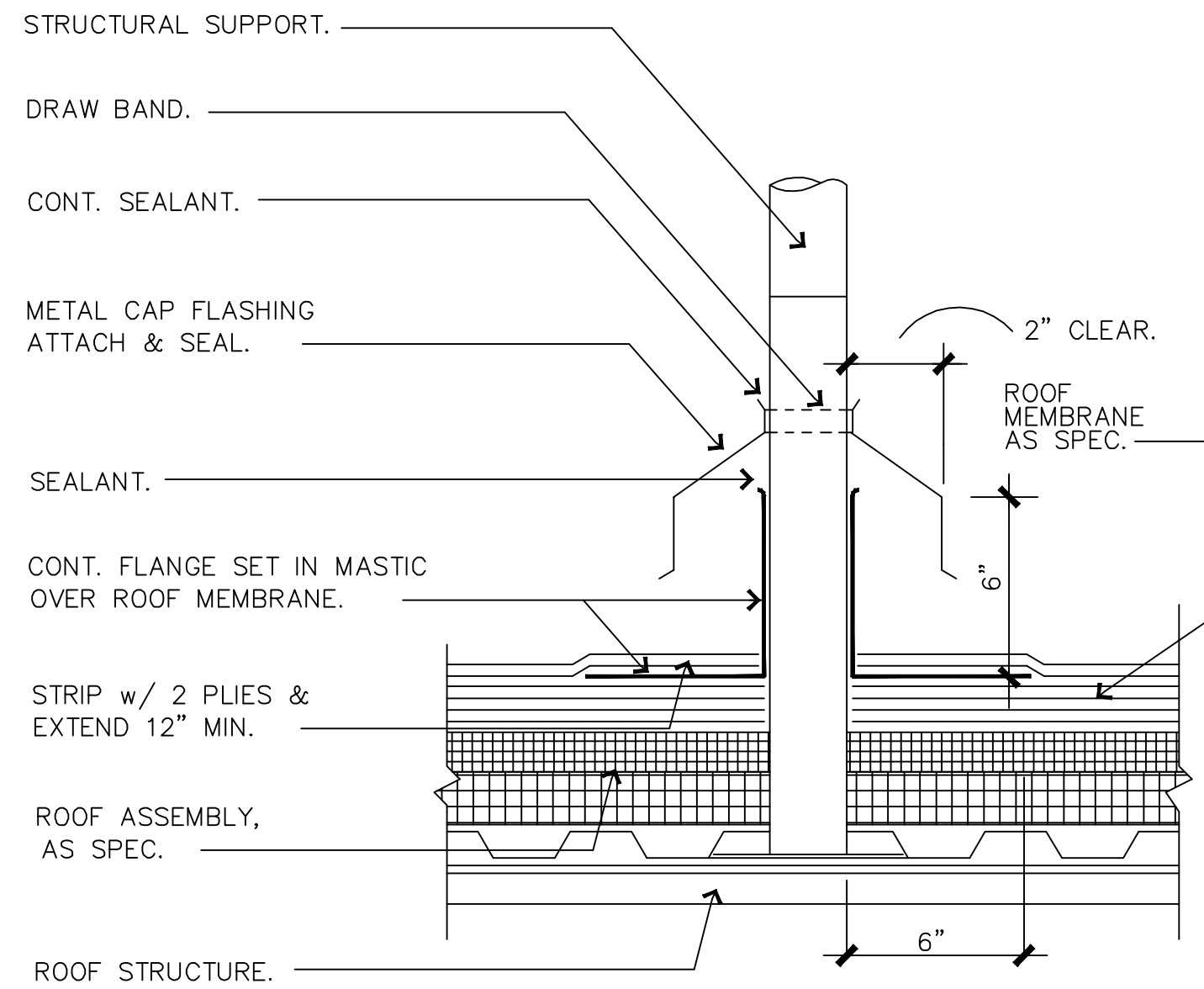
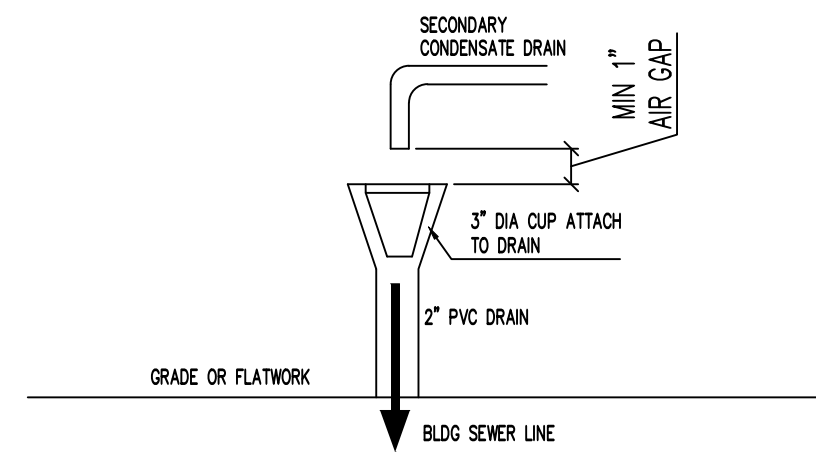
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INDIRECT CONDENSATE DRAIN DETAIL FOR SECONDARY DRAIN

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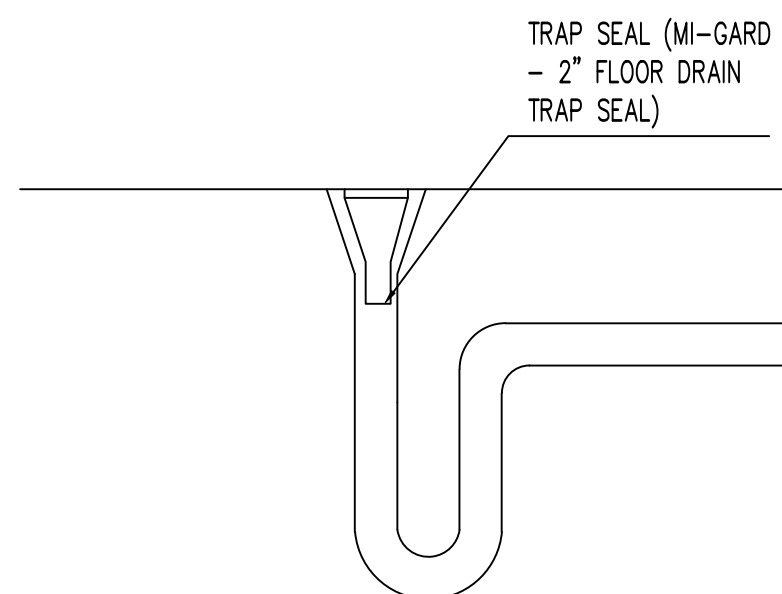
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ROOF PENETRATION DETAIL

N.T.S.

04



FLOOR DRAIN DETAIL

N.T.S.

06

MIXING VALVE (MV):

A TEMPERATURE ACTUATED MIXING VALVE AT THE WATER HEATER TO DISTRIBUTE TEMPERED WATER THROUGHOUT THE DOMESTIC HOT WATER SYSTEM AT A MAXIMUM TEMPERATURE OF 120° F. THE VALVE SHALL BE THIRD PARTY LISTED. THE VALVE SHALL CONTROL DELIVERED WATER TEMPERATURE VIA A REGULATING PISTON MADE OF ENGINEERED POLYMER. A SPECIAL TOOL SHALL BE REQUIRED TO ADJUST THE OUTLET TEMPERATURE AND THE ADJUSTING MECHANISM SHALL BE HIDDEN FROM BY A SNAP-ON-COVER. THE VALVE SHALL BE SHARKBITE CASH AOME HEATGUARD 110-D OR EQ.

PLUMBING NOTES:

- PLUMBING DESIGN AND INSTALLATION PER IPC 2015 AND CITY OF KATY AMENDMENTS.
- UNDERGROUND WATER LINES SHALL BE PVC WITH NO JOINTS.
- SANITARY WASTE AND VENT: PVC SCH 40 WITH SOLVENT WELDED JOINTS
- ALL SEWER SHALL BE SCH 40 PVC BELOW SLAB

COLD WATER PIPING : COPPER TYPE "L" / PEX ASTM F877

HOT WATER PIPING : COPPER TYPE "L" / PEX ASTM F877

4"Ø SANITARY SEWER: PVC

2"Ø VENTED WASTE WATER SEWER: PVC

4"Ø VENT TUBE TO OUTSIDE

3"Ø VENT TUBE TO OUTSIDE

ALL DRAINS (FLOOR AND WALL) SHOULD INCLUDE MANUFACTURER COMPATIBLE TRAP GUARD INSTALLED

DRAIN PIPE SIZES (UNO IN PLAN):

BATH TUB / SHOWER:	2"
HAND SINK / LAV / KITCHEN SINK:	2"
WASHER:	2"
DISHWASHER:	1" (OR PER MFR)
FLOOR DRAIN:	2"
WATER CLOSET / TOILET:	4"
URINALS:	2"

COLD & HOT WATER SUPPLY PIPE SIZES (UNO IN PLAN):

HAND SINK / LAV / KITCHEN SINK:	1/2"
BATH TUB / SHOWER:	1/2"
WASHER:	1/2"
DISHWASHER:	1/2" (OR PER MFR)
WATER CLOSET / TOILET:	1/2"
URINALS:	1/2"

PLUMBING FIXTURES:

BFP	BACK FLOW PREVENTER
WH	WATER HEATER
WC	COMMODE - ADA COMPLIANT - MAX 1.28 GAL PER FLUSH
2CS	2 COMP KITCHEN SINK MAX FLOW RATE 2.2 GPM
LAV	BATHROOM HAND SINK / LAVATORY MAX FLOW RATE 0.5 GPM
MS	MOP SINK WITH FAUCET MAX FLOW RATE 2.2 GPM

REFER TO PLUMBING FIXTURE SCHEDULE FOR DETAILS OF EACH FIXTURE / APPLIANCE

PLUMBING FIXTURE NOTES:

- PROVIDE SHUT OFF VALVE FOR ALL WATER LINES AT PLUMBING FIXTURES AND EQUIPMENT CONNECTIONS
- MAXIMUM FLOW FROM A SINK OR LAVATORY FAUCET SHALL NOT EXCEED 2.2 GAL OF WATER / MIN
- MAXIMUM FLOW OF WATER PER FLUSH FROM A TOILET SHALL NOT EXCEED 1.28 GAL AVE
- INSTALL TRAP PRIMER OR TRAP GUARD THAT SERVE THE RESTROOM AND WATER HEATER

FRESH WATER SUPPLY NOTES:

- CONTRACTOR SHALL VERIFY AND CONNECT TO EXISTING CITY WATER SUPPLY LINE
- INSTALL ZURN 1070 OR SIMILAR TMV CONFORMING TO ASSE1070 REQUIREMENTS AT EACH POINT OF USE SUCH AS LAVATORIES AND SINKS
- CONTRACTOR SHALL VERIFY APPROPRIATE BACKFLOW PREVENTION DEVICE ARE INSTALLED AT THE DESIGNATED METER AND IN ACCORDANCE WITH GOVERNING CODES
- ENGINEER OF RECORD TO APPROVE ALL SUBSTITUTIONS BASED ON "OR EQ." OR "OR EQUIVALENT" PROVISIONS IN NOTES, EQUIPMENT SPECIFICATIONS OR OTHERS IN THEIR PLAN SET

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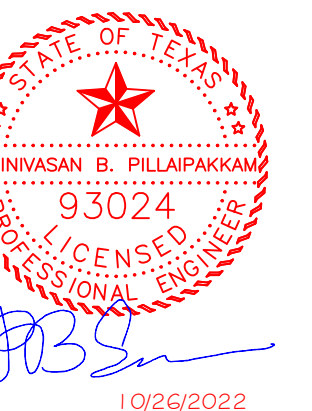
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HEALTH DEPARTMENT NOTES

1. EQUIPMENT:
EQUIPMENT SHALL BE LOCATED IN A WAY THAT A FACILITATES CLEANING THE ESTABLISHMENT AND PREVENTS FOOD CONTAMINATION. FLOOR MOUNTED EQUIPMENT UNLESS READILY MOVABLE SHALL BE SEALED TOP THE FLOOR OR INSTALLED ON A RAISED PLATFORM OF CONCRETE, OR ELEVATED ON LEGS TO PROVIDE AT LEAST SIX INCHES CLEARANCE BETWEEN FLOOR AND EQUIPMENT. UNLESS SUFFICIENT SPACE IS PROVIDED FOR EASY CLEANING BETWEEN AND BETWEEN EACH UNIT OF THE FLOOR MOUNTED EQUIPMENT, THE SPACE BETWEEN IT AND THE ADJOINING EQUIPMENT UNITS, AND THE SPACE BETWEEN THE ADJACENT WALLS SHALL BE SEALED TO THE ADJOINING EQUIPMENT OR ADJACENT WALLS. AISLES AND WORKING SPACES BETWEEN UNITS OF EQUIPMENT AND WALLS SHALL BE UNOBSTRUCTED AND OF SUFFICIENT WIDTH TO PERMIT EMPLOYEES TO PERFORM THEIR DUTIES WITHOUT CONTAMINATION OF FOOD OR FOOD CONTACT SURFACE BY CLOTHING OR PERSONAL CONTACT.

2. PLUMBING:
THE POTABLE WATER SYSTEM SHALL BE INSTALLED TO PRECLUDE THE POSSIBILITY OF BACKFLOW. A HOSE SHALL NOT BE ATTACHED TO A FAUCET UNLESS A BACKFLOW PREVENTION DEVICE IS INSTALLED. GREASE TRAPS, IF USED, SHALL BE OF A APPROVED TYPE AND SIZE AND IN APPROVED AREA OUTSIDE THE BUILDING, EXCEPT PROPERLY TRAPPED OPEN SINKS. THERE SHALL BE NO DIRECT CONNECTION BETWEEN SEWAGE SYSTEM AND ANY DRAINS ORIGINATING FROM EQUIPMENT IN WHICH FOOD OR UTENSILS ARE PLACED.

3. CLEANING AND SANITIZING:
A THREE COMPARTMENT SINK SHALL BE USED IF WASHING, RINSING AND SANITATION OF EQUIPMENT OR UTENSILS IS DONE MANUALLY. SINKS SHALL BE LARGE ENOUGH TO PERMIT THE COMPLETE IMMERSION OF UTENSILS AND EQUIPMENT. EACH COMPARTMENT OF REQUIRED SINK SHALL BE NO LESS THAN 15x15x12 (LxWxD) WITH ALL ROUNDED INTEGRAL ANGLES AND CORNERS. A DRAIN BOARD OR SIMILAR EQUIPMENT OF ADEQUATE SIZE SHALL BE PROVIDED.

4. HAND-WASHING SINKS:
HAND WASHING SINKS SHALL BE LOCATED TO PERMIT CONVENIENT USE BY EMPLOYEES IN THE FOOD PREPARATION AREA AND UTENSIL WASHING AREAS. HAND SINKS TO BE NO FURTHER AWAY THAN 20 FEET. HANDWASHING SINKS ARE TO BE ACCESSIBLE TO EMPLOYEES AT ALL TIME. HANDWASHING SINKS ARE REQUIRED IN THE RESTROOM OR THE VESTIBULE. EACH HAND SINK SHALL BE PROVIDED WITH HOT WATER AT 100° F AND COLD WATER THROUGH A MIXING VALVE OR COMBINATION FAUCET. HAND SINKS SHALL HAVE ROUNDED CORNERS (NSF APPROVED), HAND SINKS TO HAVE SOAP, PAPER TOWELS, AND TRASH CANS. MOUNT SOAP AND TOWEL DISPENSERS DIRECTLY ABOVE HAND SINKS WITHIN THE SPLASHGUARD AREA.

5. FLOORS:
THE FLOORS OF THE FOOD PREPARATION AREAS, FOOD STORAGE AREAS, UTENSIL WASHING AREAS, TOILET ROOMS, DRESSING AND LOCKER ROOM AREAS SHALL BE CONSTRUCTED OF SMOOTH DURABLE MATERIALS. FLOOR DRAINS SHALL BE PROVIDED IN FLOORS THAT ARE WATER FLUSHED FOR CLEANING OR IN AREAS WHERE PRESSURE SPRAY METHODS FOR CLEANING EQUIPMENT ARE USED (EXCEPT INSIDE A WALK-IN REFRIGERATION UNIT) SUCH FLOORS SHALL BE CONSTRUCTED ONLY OF SEALED, SMOOTH CONCRETE, TERRAZZO, CERAMIC TILES, OR SIMILAR MATERIALS AND SHALL BE GRADED TO DRAIN. IN ALL NEW OR REMODELED ESTABLISHMENT, INSTALLATION OF EXPOSED UTILITY LINES AND PIPES ON THE FLOOR IS PROHIBITED.

6. WALLS AND CEILINGS:
THE WALLS AND CEILINGS OF FOOD PREPARATION AREAS, FOOD STORAGE AREAS, UTENSIL WASHING AREAS, TOILET ROOMS, AND VESTIBULES SHALL BE SMOOTH, NON-ABSORBENT, EASILY CLEANABLE AND LIGHT COLORED (SPECIFY COLOR). STUDS, JOISTS, AND RAFTERS SHALL NOT BE EXPOSED IN THESE AREAS. UTILITY SERVICE LINES, PIPES, AND WATER HEATERS SHALL NOT BE EXPOSED ON WALLS AND CEILINGS IN THESE AREAS. A CEILING IN RETAIL FOOD STORES, WAREHOUSES WHERE ONLY PACKAGED FOODS, AND/OR SINGLE USE ARTICLES ARE STORED OR DISPLAYED SHALL BE SMOOTH, NON-ABSORBENT, EASILY CLEANABLE AND LIGHT COLORED (SPECIFY COLOR), IF EXPOSED IN AREA WHERE ALLOWED IN PREVIOUS SENTENCE. HVAC DUCTS SHALL BE SMOOTH, RIGID METAL DESIGNED WITH CIRCULAR CROSS SECTION, (SECTION 20.21, ITEM 23) WALL AREAS ADJACENT TO AREA PREPARATION AREA AND UTENSIL WASHING AREAS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE SUCH AS FRP, STAINLESS STEEL, CERAMIC TILES, HIGH PRESSURE DECORATIVE LAMINATE OR EQUAL.

7. LIGHTING:
AT LEAST 50 FOOT-CANDLES (540 LUX) OF LIGHT SHALL BE PROVIDED AT SURFACE WHERE EMPLOYEES MAY BE WORKING WITH FOOD OR UTENSILS. AT LEAST 20 FOOT-CANDLES (220 LUX) OF LIGHT SHALL BE PROVIDED AT SURFACE WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE, WHERE FRESH PRODUCE OR PACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION AND INSIDE EQUIPMENT. AT LEAST 20 FOOT-CANDLES (220 LUX) OF LIGHT SHALL BE PROVIDED AT A DISTANCE OF 30 INCHES ABOVE THE FLOOR IN AREAS USED FOR HAND WASHING, TOILET ROOMS, AND EQUIPMENT AND UTENSIL STORAGE. 10 FOOT-CANDLES (110 LUX) OF LIGHT SHALL BE PROVIDED AT A DISTANCE OF 30 INCHES ABOVE THE FLOOR IN WALK-IN REFRIGERATION UNITS AND DRY FOOD STORAGE AREAS AND IN OTHER AREA AND ROOMS DURING PERIODS OF CLEANING. LIGHTS SHALL BE SHIELDED, COATED OR OTHERWISE SHATTER-RESISTANT IN AREAS WHERE THERE IS EXPOSED FOOD, CLEAN EQUIPMENT, UTENSILS, LENS OR UNWRAPPED SINGLE USE ARTICLES. WALK-IN COOLERS AND FREEZERS TO BE SUPPLIED WITH ADDITIONAL SHIELDED OR SHATTER PROOF INTERIOR LIGHTS. ADDITIONAL FIXTURE(S) SUPPLIED SHALL BE SUFFICIENT TO MAINTAIN 50 FOOT-CANDLES WITH IN COOLER& FREEZER COMPARTMENTS.

8. VENTILATION:
ALL ROOMS SHALL HAVE SUFFICIENT VENTILATION TO KEEP THEM FREE OF EXCESSIVE HEAT, ODORS, SMOKE AND FUMES. IN ALL NEW OR REMODELED ESTABLISHMENTS, ALL ROOMS FORM WHICH OBNOXIOUS ODORS, VAPORS OR FUMES ORIGINATE SHALL BE MECHANICALLY VENTED TO THE OUTSIDE. WHEN SUCH VENTILATION MAY RESULT IN THE DRYLATION OF MATTER OR LIQUIDS WITHIN THE VENTILATION SYSTEM, VENTILATION HOODS AND VENTILATION EQUIPMENT SHALL BE EQUIPPED WITH EFFECTIVE, EASILY REMOVABLE, EASILY CLEANABLE FILTERS.

9. UTILITY FACILITIES:
IN A NEW OR REMODELED ESTABLISHMENT AT LEAST ON UTILITY SINK OR CURBED CLEANING FACILITY WITH A FLOOR DRAIN SHALL BE PROVIDED AND USED FOR THE CLEANING OF MOPS OR SIMILAR WET FLOOR CLEANING TOOLS.

10. GARBAGE:
GARBAGE AND REFUSE CONTAINERS, DUMPSTERS, AND COMPACTOR SYSTEMS SHALL BE STORED ON OR ABOVE A SMOOTH SURFACE OF NON-ABSORBENT MATERIAL SUCH AS CONCRETE OR MACHINE LAID ASPHALT.

11. DRESSING AREAS AND LOCKER ROOMS:
IF EMPLOYEES ROUTINELY CHANGE CLOTHS WITHIN THE ESTABLISHMENT, ROOMS SHALL BE DESIGNATED AND USED FOR THAT PURPOSE. SEPARATE ROOM SHALL BE PROVIDED FOR LAUNDRY FACILITIES EXCEPT THE LAUNDRY OPERATIONS MAY BE CONDUCTED IN STORAGE ROOMS CONTAINING ON PACKAGED FOODS AND/OR PACKAGED SINGLE SERVICE ARTICLES.

12. TOILETS:
TOILET FACILITIES SHALL BE ACCESSIBLE TO EMPLOYEES AT ALL TIMES. TOILET FACILITIES MUST BE LOCATED WITHIN THE ESTABLISHMENT AND HAVE INSIDE ACCESS. TOILET ROOMS SHALL BE COMPLETELY ENCLOSED AND HAVE SOLID, TIGHT FITTING, SELF-CLOSING DOORS. TOILET ROOMS SHALL NOT OPEN DIRECTLY IN TO ANY ROOM IN WHICH FOOD, DRINKS, OR UTENSILS ARE HANDLED. WALLS WITHIN A WATER CLOSET COMPARTMENTS AND WALLS TWO FEET PAST SIDES OF URINALS AND HAND SINKS, TO BE A HEIGHT OF 4 FEET FROM THE FLOOR UP, SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE (SEE WALLS AND CEILINGS ABOVE FOR RECOMMENDED MATERIALS).

13. INSECT AND RODENT CONTROL:
OPENINGS TO THE OUTSIDE SHALL BE EFFECTIVELY PROTECTED AGAINST THE ENTRANCE OF PEST BY CLOSING HOLES AND OTHER GAPS ALONG FLOORS, WALLS, AND CEILINGS. TIGHT-FITTING, SELF-CLOSING DOORS, WHICH ARE KEPT CLOSED, CLOSED WINDOWS, SCREENING (16 MESH), OR PROPERLY DESIGNATED AND INSTALLED AIR CURTAINS TO CONTROL FLYING INSECTS.

14. POISONOUS OR TONIC MATERIALS:
ALL POISONOUS MATERIALS SHALL BE STORED AWAY FROM FOOD, FOOD EQUIPMENT, FOOD UTENSILS OR SINGLE SERVICE ARTICLES.

15. SINKS - KITCHEN, PREP., POT, DUMP, HAND AND BAR:
SHALL HAVE ROUNDED CORNERS (NSF APPROVED), SINGLE SERVICE ARTICLES.

GENERAL NOTES

1. ALL DRAWINGS, ILLUSTRATIONS, DETAILS, ELEVATIONS, SCHEDULES AND ETC. ARE FOR REPRESENTATION OF EQUIPMENT PROVIDED BY BUDGET RESTAURANT SUPPLY. ALL (FS) DRAWINGS SHOULD BE VERIFIED WITH THE ARCHITECTURAL MEP DRAWINGS FOR FURTHER INFORMATION.

2. THE OWNER, PURVEYOR AND/OR OTHER AGENTS MAY SUPPLY SOME OF THE EQUIPMENT LISTED. ACTUAL EQUIPMENT SHOULD BE CONFIRMED, DIMENSIONAL, AND/OR MECHANICAL SERVICE REQUIREMENTS MAY DIFFER FROM THAT SHOWN. MANUFACTURER EQUIPMENT SPECIFICATIONS SHOULD BE REFERENCED TO VERIFY ALL DIMENSIONAL AND MECHANICAL SERVICE REQUIREMENTS.

3. AS APPLICABLE, THE KEC SHALL SUPPLY THE MOUNTING CURBS/JACKS AS REQUIRED FOR THE HOOD EXHAUST AND SUPPLY FANS ON THE ROOF. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL ROOF PENETRATIONS, ROOF REINFORCEMENT, INSTALLATION AND/OR MOP IN OF THE SUPPLIED CURBS/JACKS.

4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ROOF AND/OR WALL PENETRATIONS AS REQUIRED, FOR ALL SERVICES NEEDED FOR EQUIPMENT INSTALLATION.

5. BUDGET RESTAURANT SUPPLY WILL NOT BE RESPONSIBLE TO FURNISH, OR CONNECT ANY ELECTRICAL OR PLUMBING COMPONENTS THAT DO NOT COME STANDARD WITH SUPPLIED EQUIPMENT. UNLESS SPECIFIED IN CONTRACT, DRAWINGS, OR SPECIFICATIONS. THIS INCLUDES BUT NOT LIMITED TO PIPE, HOSES, FITTINGS, BACK FLOW PREVENT, SHUT-OFFS, MIXING VALVES, PRESSURE REGULATORS, FIRE SUPPRESSION MECHANICAL GAS VALVE, ETC. CONSULT BUDGET RESTAURANT SUPPLY OR EQUIPMENT SPECIFICATIONS WITH ANY QUESTIONS OR CONCERNS.

6. GREASE TRAP SIZE, LOCATION AND INSTALLATION BY OTHERS.

7. ALL CHANGES SHOULD BE IMMEDIATELY DISCUSSED WITH BUDGET RESTAURANT SUPPLY, ARCHITECT, OWNER AND CONTRACTOR. BUDGET RESTAURANT SUPPLY WILL NOT BE RESPONSIBLE FOR SIZE, FITMENT OR CONNECTION CHANGES OR DISCREPANCIES DUE TO CHANGED EQUIPMENT MODELS OR USED EQUIPMENT AFTER DRAWINGS ARE COMPLETED THAT ISNT PROVIDED BY BUDGET RESTAURANT SUPPLY.

8. PERMITS AND FEES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR WITH THE EXCEPTION OF THE WALK-IN COOLER AND EXHAUST HOOD (IF IN BUDGET RESTAURANT SUPPLYS CONTRACT).

9. ALL WORK TO BE PERFORMED PER ESTABLISHED NATIONAL, STATE AND LOCAL CODES.

EQUIPMENT SCHEDULE					
NO.	ITEM DESCRIPTION	REMARKS	QTY.	MANUFACTURER	MODEL #.
101	JANITOR SINK	-	1		
102	SERVICE FAUCET	-	1		
103	BROOM / MOP HOLDER	-	1		
104	WALK-IN COOLER 10'-10" x 7'-1" X 8'-6" HIGH	-	1		
105	COOLER EVAP-COIL	-	1		
106	COOLER CONDENSING UNIT REMOTE	-	1		
107	REACH-IN FREEZER, 2-DOOR	-	1		
108	-	-	-		
109	-	-	-		
110	-	-	-		
111	COLD STORAGE SHELVEING	-	1 LOT		
112	DRY STORAGE SHELVEING	-	1 LOT		
113	THREE COMP SINK	-	1		
114	WALL / SPLASH MOUNT FAUCET	-	2		
115	DRAIN LEVER / TWIST WASTE	-	3		
116	DISH MACHINE	-	1		
117	-	-	-		
118	-	-	-		
119	-	-	-		
120	EXHAUST FAN	-	1		
121	PRE RINSE FAUCET	-	1		
122	-	-	-		
123	CLEAN DISHTABLE	-	1		
124	HAND SINK	-	2		
125	EXHAUST HOOD SYSTEM	-	1		
126	EXHAUST FAN	-	1		
127	MAKE-UP AIR FAN	-	1		
128	FIRE SYSTEM	-	1		
129	FRYER -- 40 LBS.	GAS	2		
130	-	-	-		
131	24" GRIDDLE	GAS	1		
132	48" REFRIGERATED EQUIPMENT STAND	-	1		
133	24" CHARBROILER	GAS	1		
134	FOUR BURNER RANGE	GAS	1		
135	STOCK POT RANGE	GAS (FUTURE)	1		
136	REFRIGERATOR, 2-DOOR SANDWICH PREP-UNIT	-	1		
137	WORK TOP FREEZER	-	1		
138	HOT FOOD WELLS	-	1		
139	WORK TABLE W/ SINK	-	1		
140	-	-	-		
141	WALL / SPLASH MOUNT FAUCET	-	1		
142	DRAIN, LEVER / TWIST WASTE	-	1		
143	EXPO COUNTER	-	1		
144	HEAT LAMP	-	1		
145	ICE-MACHINE 470 lb CUBE	-	1		
146	ICE BIN -- 400 lb.	-	1		
147	WATER FILTER	-	1		

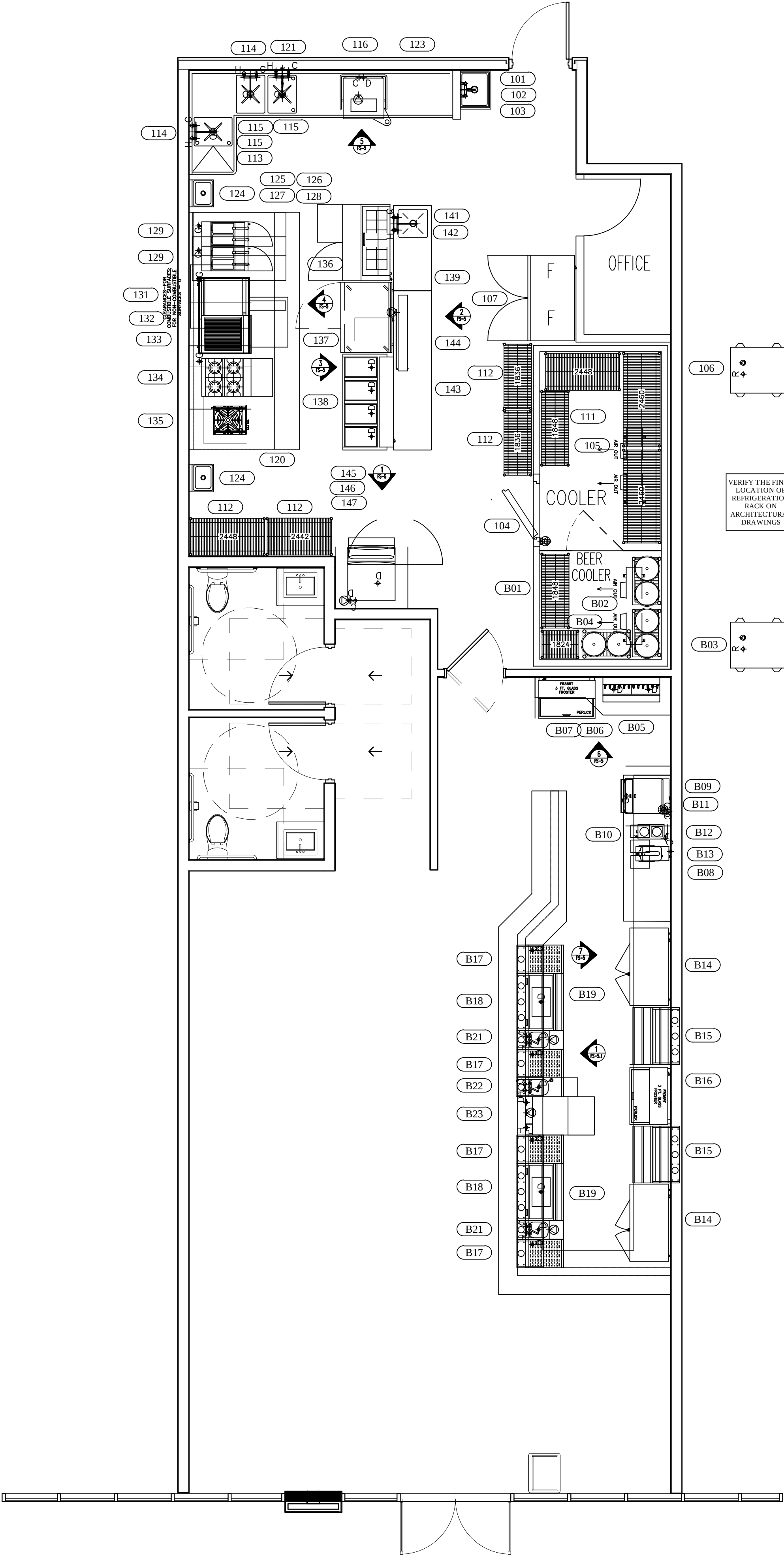
ALL FOODSERVICE EQUIPMENT SHALL BE COMMERCIAL GRADE AND COMPLY WITH NSF, ETL OR SIMILARLY CERTIFIED FOR SANITATION

B FOODSERVICE EQUIPMENT SCHEDULE
FS-1

BAR EQUIPMENT SCHEDULE					
NO.	ITEM DESCRIPTION	REMARKS	QTY.	MANUFACTURER	MODEL #.
B01	WALK-IN BEER COOLER 7'-1" x 6'-1" x 8'-6" HIGH	-	1		
B02	COOLER EVAP-COIL	-	1		
B03	COOLER CONDENSING UNIT REMOTE	-	1		
B04	ICE SHELVEING	-	1		
B05	WORK COUNTER	MILLWORK	1		
B06	BEER TAPS	-	1		
B07	36" MUG FROSTER	-	1		
B08	BEVERAGE COUNTER	-	1		
B09	BEVERAGE DISPENSER	BY PURVEYOR	1		
B10	BAG N BOX	BY PURVEYOR	1		
B11	ICE MAKER	-	1		
B12	COFFEE MAKER	-	1		
B13	TEA MAKER	-	1		
B14	48" BACK BAR COOLER	-	2		
B15	36" LIQUOR DISPLAY	-	2		
B16	36" MUG FROSTER	-	1		
B17	18" DRAINBOARD	-	4		
B18	36" ICE BIN	-	2		
B19	SPEED RAIL	-	2		
B20	-	-	-		
B21	BLENDER STATION / DUMP SINK	-	2		
B22	HAND SINK	-	1		
B23	GLASS WASHER	-	1		

ALL FOODSERVICE EQUIPMENT SHALL BE COMMERCIAL GRADE AND COMPLY WITH NSF, ETL OR SIMILARLY CERTIFIED FOR SANITATION

C FOODSERVICE EQUIPMENT SCHEDULE
FS-1



A FOODSERVICE EQUIPMENT PLAN
SCALE 1/4"=1'-0"

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A Project For :

Client :

1836 Bar & Grill
XXXX XXXX
Katy, TX
77494

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0 08-24-22 DRAWN

1 08-26-22 REVISED

2 08-30-22 REVISED

3 09-22-22 REVISED

4 09-29-22 REVISED

5 10-07-22 REVISED

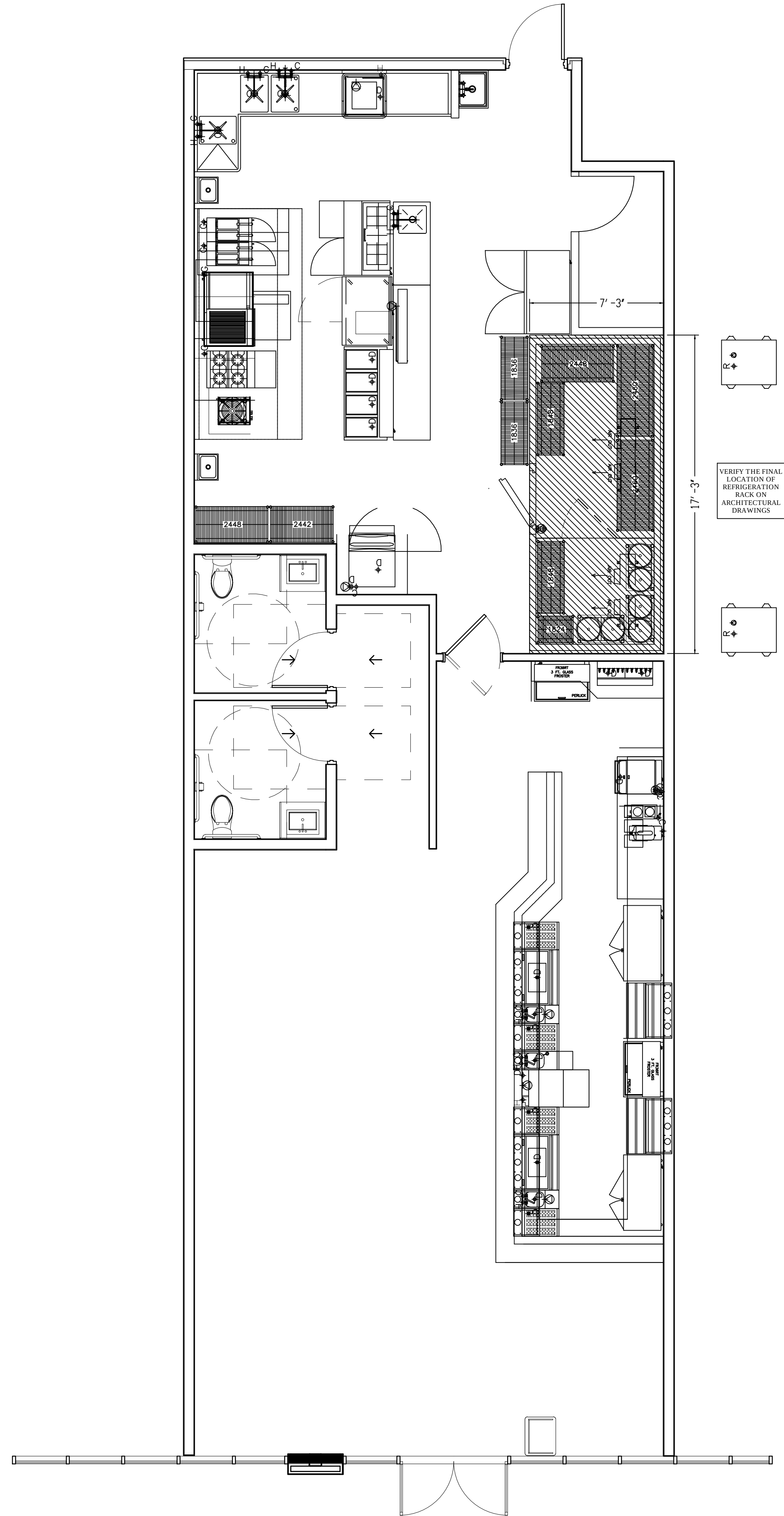
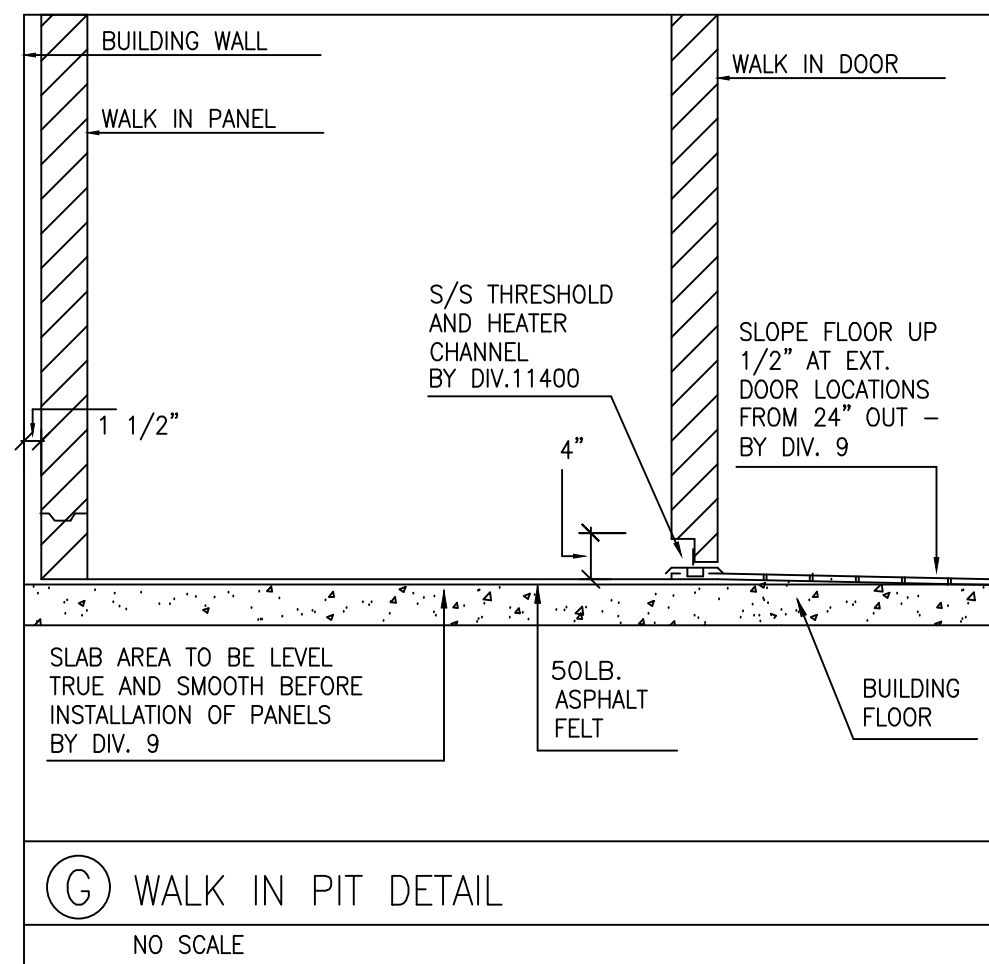
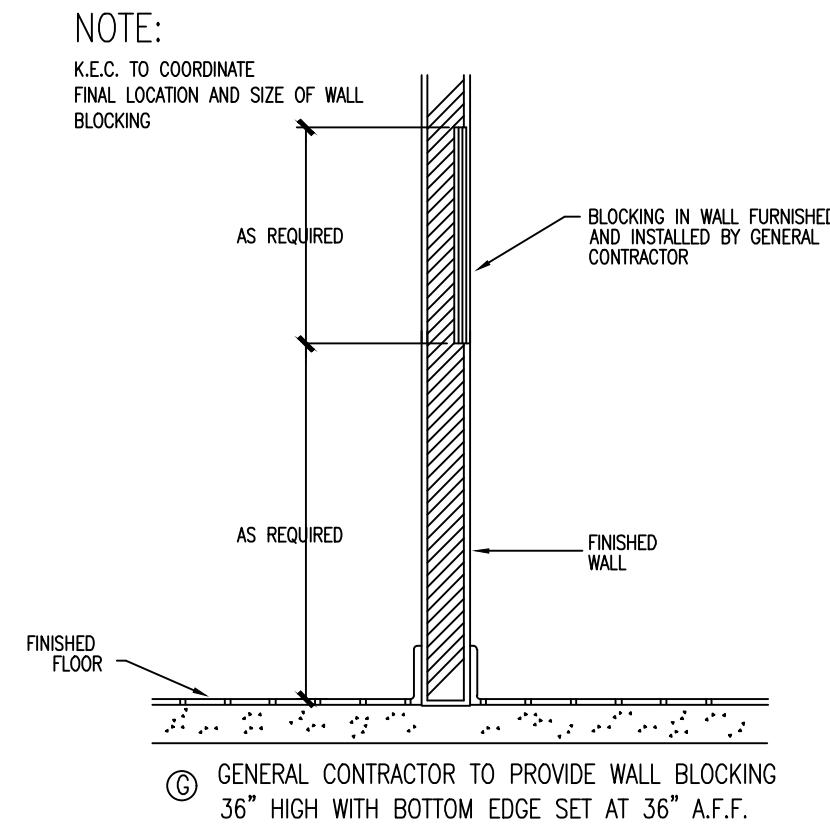
Date: 08/24/2022
Drawn by: K.D.K.
Checked by: D.C.

Sheet Title :

FOODSERVICE
EQUIPMENT PLAN

Sheet # :

FS-1



A
FS-2
FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN
SCALE 1/4"=1'-0"

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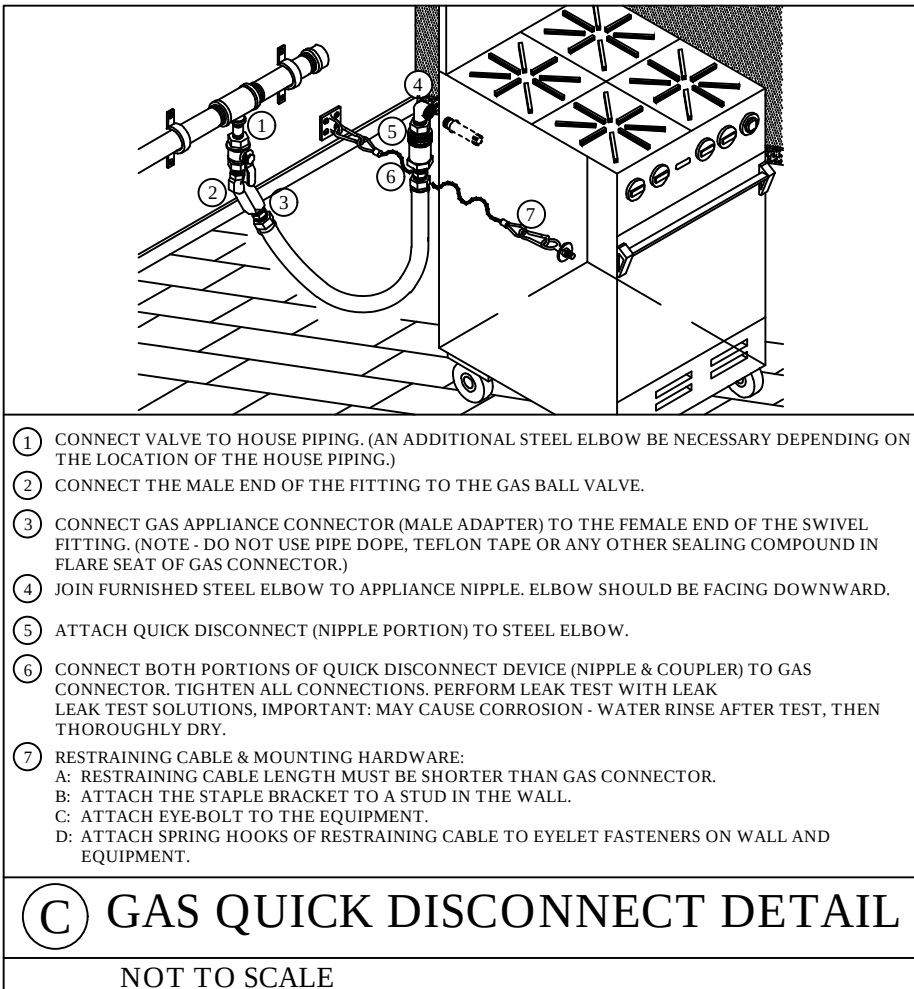
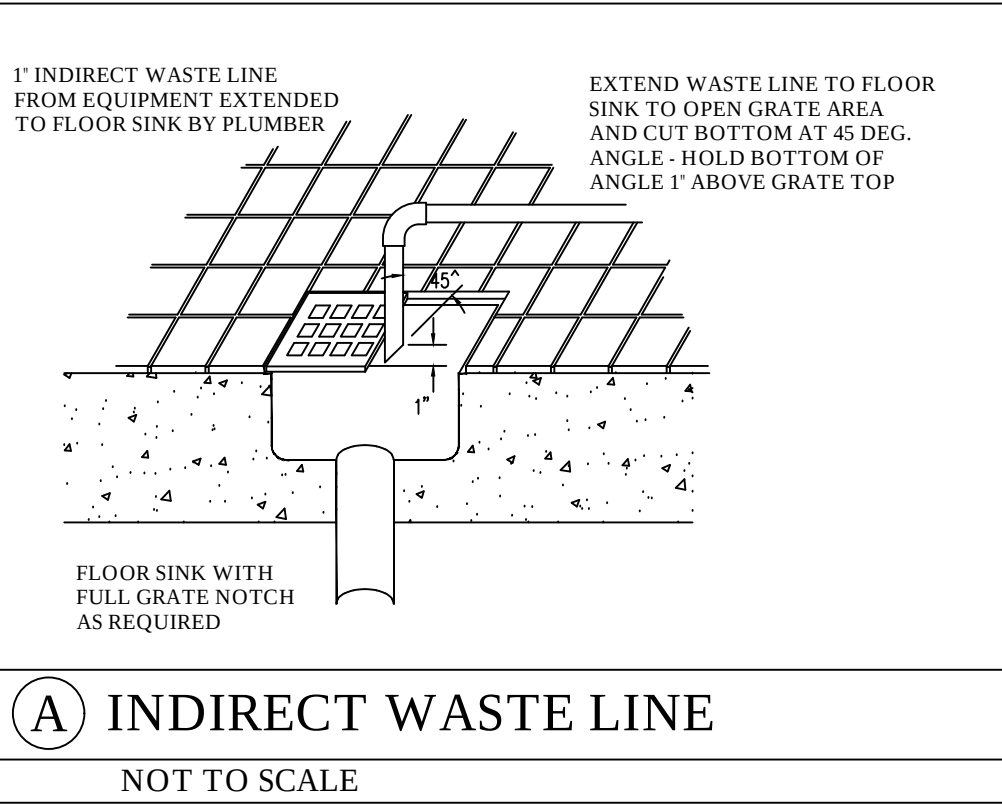
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Checked by: D.C.

Sheet Title :

FOODSERVICE
SP. COND PLAN

Sheet # :

FS-2



PLUMBING SYMBOLS					
	HW	HOT WATER		FS	FLOOR SINK
	CW	COLD WATER		EVC	EXHAUST VENT CONNECTION
	HTW	180F HOT WATER		SVC	SUPPLY VENT CONNECTION
	CWS	CHILLED WATER		CG	CEILING GRILLE BY DIV. 15
	G	GAS SUPPLY		FR	DIRECT-CONNECTED FLUE RISER
	SS	STEAM SUPPLY		PS	PIPE SLEEVE
	CR	CONDENSATE RETURN		AFF	ABOVE FINISH FLOOR
	DR	DRAIN		ST	STUB UP/OUT
	FD	FLOOR DRAIN		DFA	DROP FROM ABOVE
	FFD	FUNNEL FLOOR DRAIN		BTC	BRANCH TO CONNECTION

PLUMBING FIRE SYSTEM NOTE

INSTALLATION OF THE FIRE PROTECTION SYSTEM REQUIRES THAT ALL FUEL TO EQUIPMENT UNDER THE HOOD AUTOMATICALLY SHUT OFF IN THE EVENT OF SYSTEM ACTUATION. THE FIRE SYSTEM INSTALL SHALL PROVIDE A PROPERLY SIZED VALVE TO BE INSTALLED BY THE PLUMBING CONTRACTOR IN A VISIBLE LOCATION IN THE GAS FEED LINE.

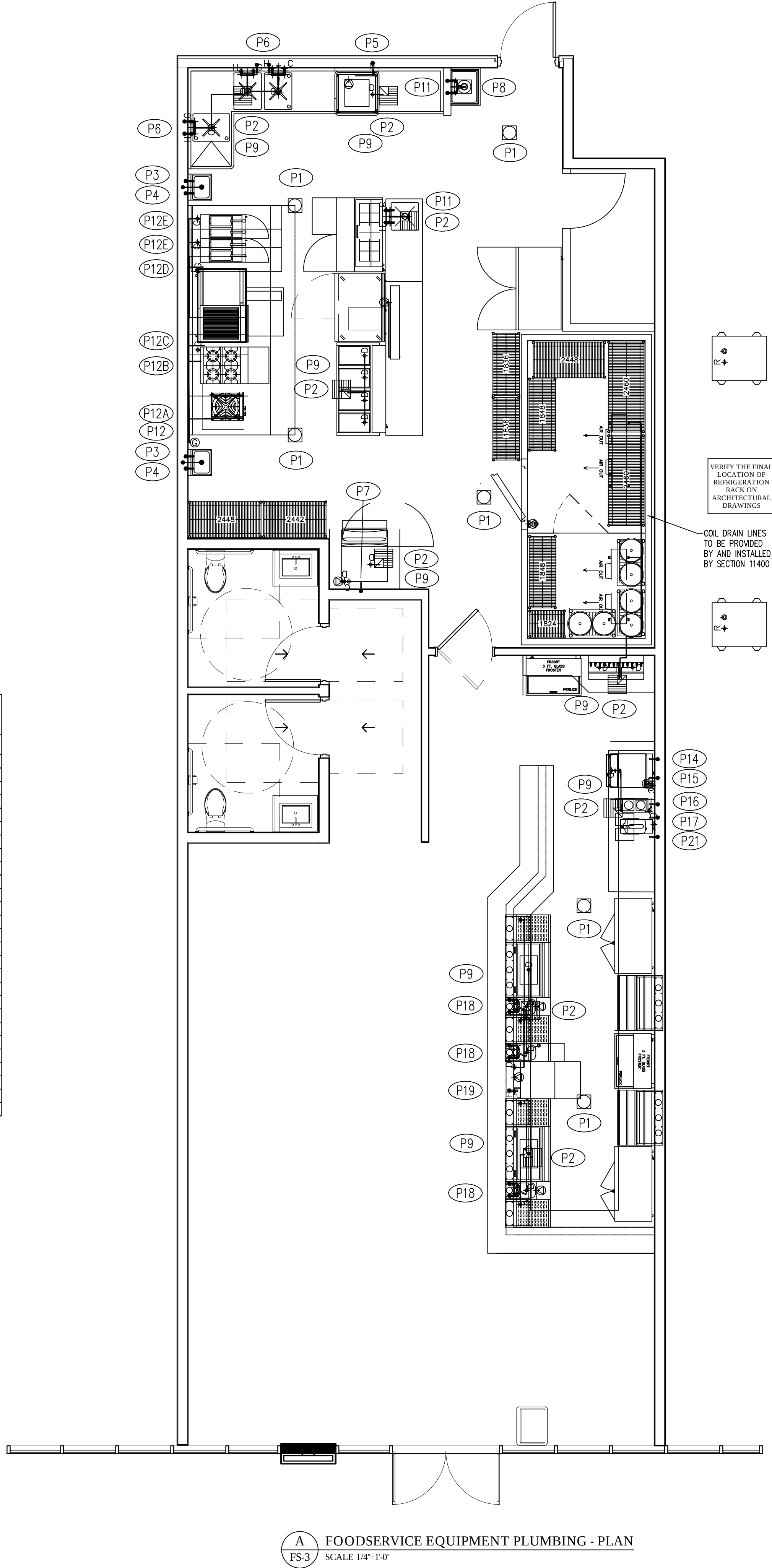
PLUMBING NOTES

- ALL DRAWINGS, ILLUSTRATIONS, DETAILS, ELEVATIONS, SCHEDULES AND ETC. ARE FOR REPRESENTATION OF EQUIPMENT PROVIDED BY BUDGET RESTAURANT SUPPLY. ALL (FS) DRAWINGS SHOULD BE VERIFIED WITH THE ARCHITECTURAL/MEP DRAWINGS FOR FURTHER INFORMATION.
- ALL CONNECTIONS AND OUTLETS SHOWN RELATE TO FOODSERVICE EQUIPMENT AND FIXTURES ONLY. REFER TO ARCHITECTURAL/ENGINEERING DRAWINGS FOR SERVICE SINKS, LAVATORIES, WATER CLOSETS, URINALS, WATER HEATER, DRINKING FOUNTAINS, WATER SOFTENER EQUIPMENT, ETC.
- BUDGET RESTAURANT SUPPLY WILL NOT BE RESPONSIBLE TO FURNISH, OR CONNECT ANY PLUMBING COMPONENTS THAT DO NOT COME STANDARD WITH SUPPLIED EQUIPMENT, UNLESS SPECIFIED IN CONTRACT, DRAWINGS, OR SPECIFICATIONS. ALL FINAL CONNECTIONS ARE TO BE MADE BY THE PLUMBER. ALL PARTS NEEDED FOR CONNECTIONS ARE SUPPLIED BY PLUMBER, SUCH AS BUT NOT LIMITED TO STOPS, VALVES, FILTERS, PIPING, TUBING AND ALL OTHER ACCESSORIES NEEDED THAT ARE NOT AN INTEGRAL OF THE FOOD SERVICE EQUIPMENT AS REQUIRED TO MAKE FINAL CONNECTIONS TO THE EQUIPMENT FOR A COMPLETE AND FUNCTIONAL OPERATION THAT MEETS ALL APPLICABLE CODES AND ORDINANCES.
- ALL WORK IS TO BE DONE IN COMPLIANCE WITH ESTABLISHED LOCAL, STATE AND NATIONAL CODES. LOCAL CODE COMPLIANCE MAY REQUIRE THAT INDEPENDENT SERVICES BE PROVIDED TO EACH APPLIANCE, AND THAT ALL SERVICE IS PROVIDED WITH MEANS OF A BACKFLOW PREVENTION, VACUUM BREAKERS, AND/OR SHUT-OFF VALVES. THE PLUMBER SHALL PROVIDE ALL LABOR AND/OR MATERIALS NEEDED FOR CORRECT AND CODE COMPLIANT SERVICES TO ALL APPLIANCES.
- THE OWNER AND/OR FOOD PURVEYORS MAY PROVIDE SOME EQUIPMENT SHOWN. THE PLUMBING CONTRACTOR SHALL CONFIRM ALL EQUIPMENT SUPPLIED BY BUDGET, THE OWNER AND PURVEYOR. PLUMBING CONTRACTOR SHALL BE RESPONSIBILITY FOR ANY SERVICE MODIFICATIONS REQUIRED.
- ALL PIPES AND DRAINAGE SYSTEMS SHOULD BE FLUSHED OUT PRIOR TO FINAL CONNECTIONS TO THE EQUIPMENT.
- ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH INTENDED USE OF, OR SERVICING OF EQUIPMENT.
- THE PLUMBER SHALL INTERCONNECT THE DISHMACHINE WITH BOOSTER HEATER (IF USED), AND WATER TYPE VENTILATORS WITH CONTROL PANELS AS PER MANUFACTURES INSTRUCTIONS WHEN APPLICABLE OR AS NOTED.
- THE PLUMBER SHALL FURNISH AND INSTALL THE FOLLOWING:
 - ALL WATER, WASTE, GAS, AND/OR STEAM SERVICE TO THE POINT OF ROUGH-IN AS SHOWN ON THE PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT THE HEIGHT INDICATED FROM FINISHED FLOOR TO CENTER LINE OF OUTLET. FLOOR OUTLETS TO STUB UP MIN. OF 2" ABOVE FINISHED FLOOR OR CURB. ALL FLOOR OPENINGS SHALL BE SEALED WATER TIGHT.
 - PRESSURE REDUCING VALVES OR REGULATORS, AS REQUIRED FOR DISHWASHERS AND BOOSTER HEATER, AND AS OTHERWISE NOTED.
 - FLOOR SINKS, UNLESS NOTED ON CONTRACT, DRAWINGS OR SPECIFICATIONS PROVIDED BY PLUMBER. FLOOR SINKS COMPLETE TOP GRATES AND REMOVABLE SEDIMENT BUCKETS SET FLUSH WITH FINISHED FLOOR, UNLESS OTHERWISE NOTED.
 - ALL WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS NOTED, MINIMUM DIAMETER IF LINE SHALL BE AS INDICATED ON PLAN, REGARDLESS OF CONNECTION SIZE AND SHALL BE PITCHED DOWNWARD. MAINTAIN DRAINS AS HIGH AS POSSIBLE ABOVE FLOOR. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS.
 - ALL REQUIRED GREASE TRAPS, SHOULD BE SIZED AND LOCATED PER LOCAL, STATE, AND NATIONAL CODES
 - INSTALL FIRE CONTROL SHUT-OFF VALVE(S) AS SUPPLIED BY THE FIRE PROTECTION SYSTEM CONTRACTOR, IF GAS FIRED COOKING EQUIPMENT IS USED.
 - INSULATION AS REQUIRED FOR ALL STEAM, HOT WATER AND CONDENSATION LINES IN THE KITCHEN.
 - CLEAN OUT VALVES FOR STEAM, CONDENSATE AND AIR LINES.
 - PROVIDE ACCESSIBLE WATER STOPS AT ALL WATER SUPPLY OUTLETS.
 - WATER TIGHT PVC CONDUIT FOR REMOTE SODA, BEER OR LIQUID SYSTEMS. CONFIRM LINE SIZE AND STUB OUT LOCATIONS WITH PURVEYOR.

PLUMBING SCHEDULE						
NO.	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	REMARKS
P1	---	FLOOR DRAIN	FLOOR	0"	GENERAL	TYP. (6) PLACES
P2	12" SQ	FLOOR SINK	FLOOR	-10"	SINK DRAIN	TYP. (9) PLACES
P3	1/2"	HOT & COLD WATER	WALL	15"	HAND LAV.	BTC TYP. (2) PLACES
P4	1 1/2"	DRAIN	WALL	10"	HAND LAV.	TYP. (2) PLACES
P5	3/4"	HOT WATER	WALL	24"	DISHMACHINE	BTC; TYP. (1) PLACE
P6	3/4"	HOT & COLD	WALL	15"	SINK FAUCET	BTC; TYP. (2) PLACES
P7	1/2"	COLD WATER	WALL	60"	WATER FILTER	BTC; TYP. (1) PLACE
P8	2"	DRAIN	FLOOR	2.75"	MOP SINK	BTC
P9	----	INDIRECT WASTE	----	----	EQUIPMENT DRAIN	TYP.
P10	-	-	-	-	-	-
P11	3/4	HOT & COLD WATER	WALL	36"	SERVICE FAUCET	BTC TYP. (1) PLACE
P12	----	GAS DROP	DFA	40"	COOKING EQUIPMENT	BTC 717,000 BTU/HR TOTAL
P12A	3/4"	GAS	WALL	30"	STOCK POT RANGE #135	BTC. 90,000 BTU/HOUR
P12B	3/4"	GAS	WALL	30"	RANGE # 134	BTC. 227,000 BTU/HOUR
P12C	3/4"	GAS	WALL	30"	CHARBROILER # 133	BTC. 70,000 BTU/HOUR
P12D	3/4"	GAS	WALL	30"	GRIDDLE # 131	BTC. 90,000 BTU/HOUR
P12E	3/4"	GAS	WALL	30"	FRYER # 132	BTC 120,000 BTU/HOUR EA. (2) PLACES
P13	-	-	-	-	-	-
P14	1/2"	COLD WATER	WALL	60"	ICE MAKER	BTC; TYP. (1) PLACE
P15	1/2"	COLD WATER	WALL	24"	BEVERAGE DISPENSER	BTC; TYP. (1) PLACE
P16	1/2"	COLD WATER	WALL	24"	COFFEE MAKER	BTC; TYP. (1) PLACE
P17	1/2"	COLD WATER	WALL	24"	TEA BREWER	BTC; TYP. (1) PLACE
P18	1/2"	HOT & COLD WATER	WALL	15"	SINK FAUCET	BTC TYP. (3) PLACES
P19	3/4"	HOT WATER	WALL	24"	DISHMACHINE	BTC; TYP. (1) PLACE
P20	-	-	-	-	-	-
P21	1/2"	COLD WATER	WALL	24"	BAG N BOX	BTC; TYP. (1) PLACE

C FOODSERVICE EQUIPMENT PLUMBING SCHEDULE

FS-1.1



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Seal :

A Project For :

Client :

1836 Bar & Grill

XXXX XXXX
Katy, TX
77494

Revision :

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Date: 09/22/2022

Drawn by: K.D.K.

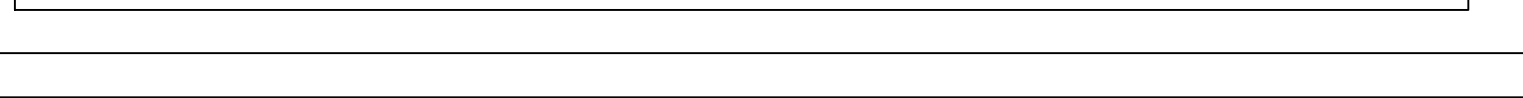
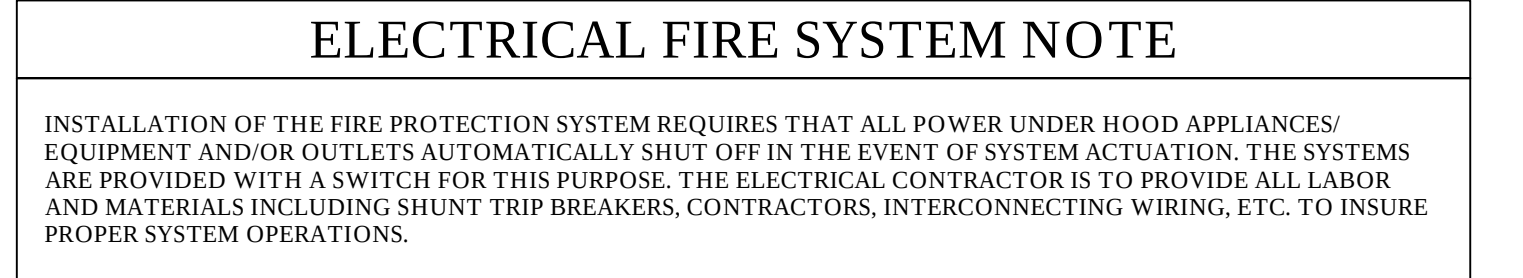
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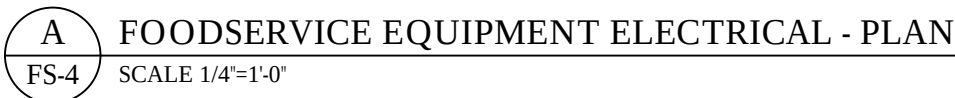
**FOODSERVICE
PLUMBING PLAN**

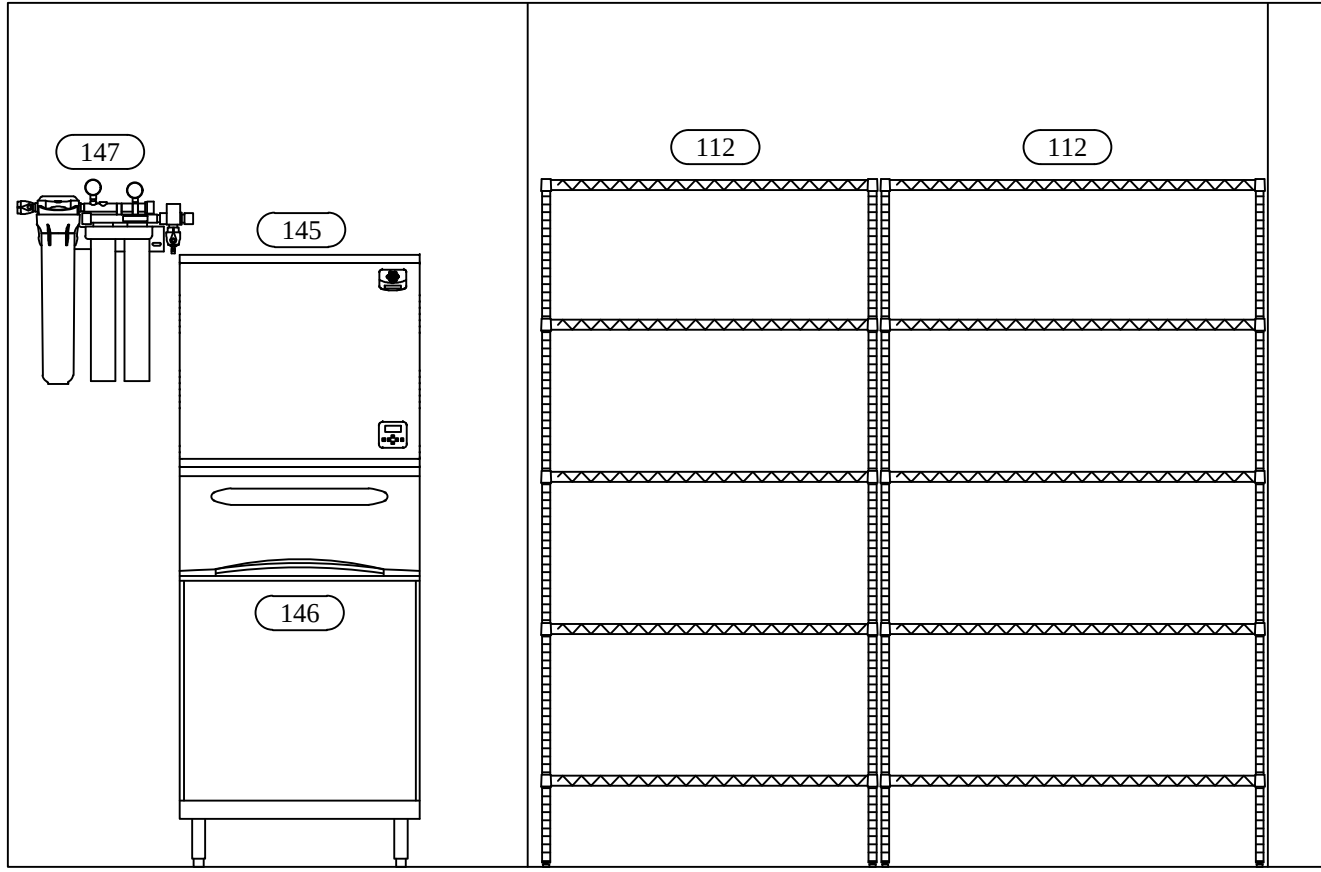
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FS-3

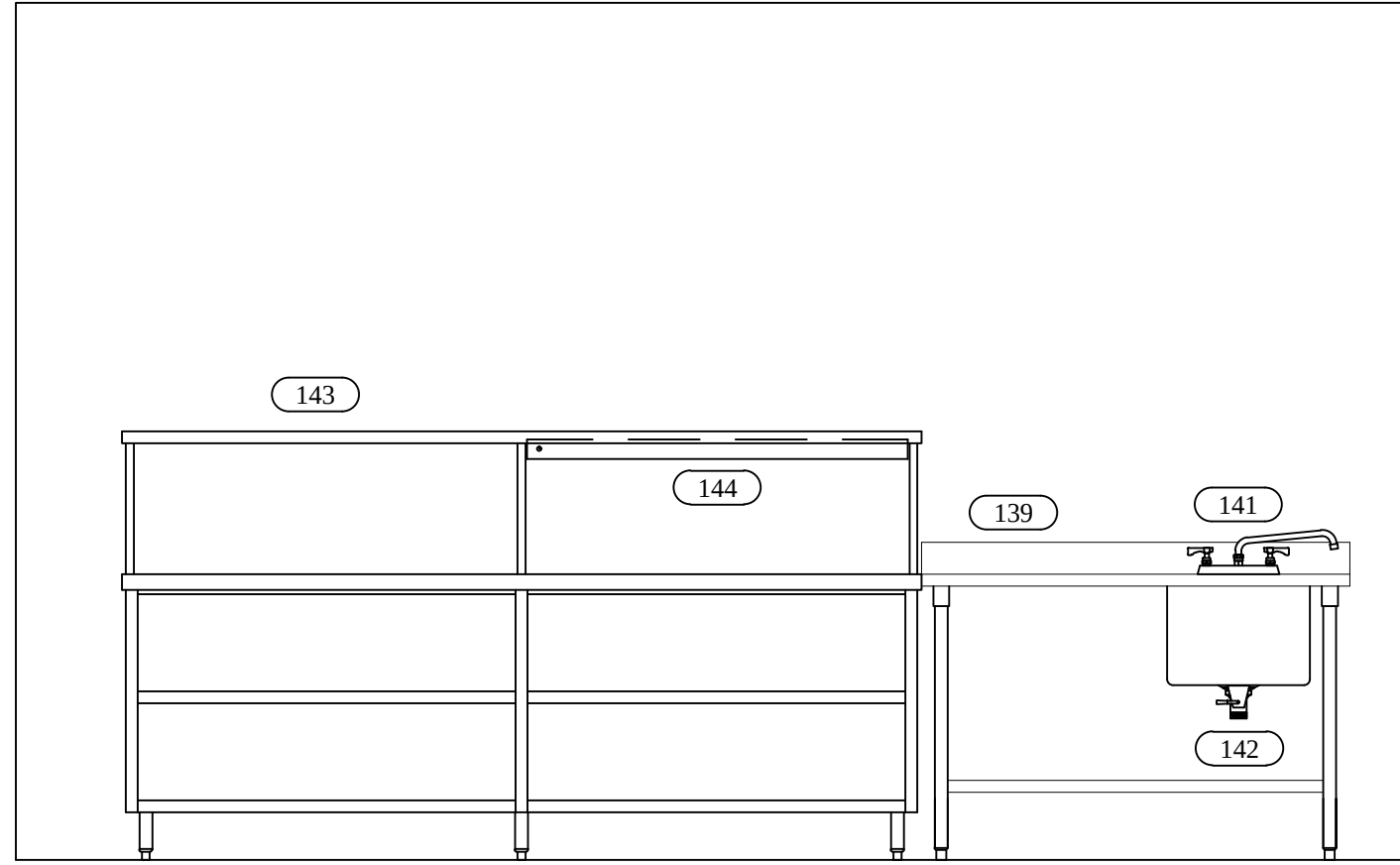


* PURVEYOR FURNISHED EQUIPMENT - VERIFY ELECTRICAL REQUIREMENTS
* OWNER FURNISHED EQUIPMENT - VERIFY ELECTRICAL REQUIREMENTS

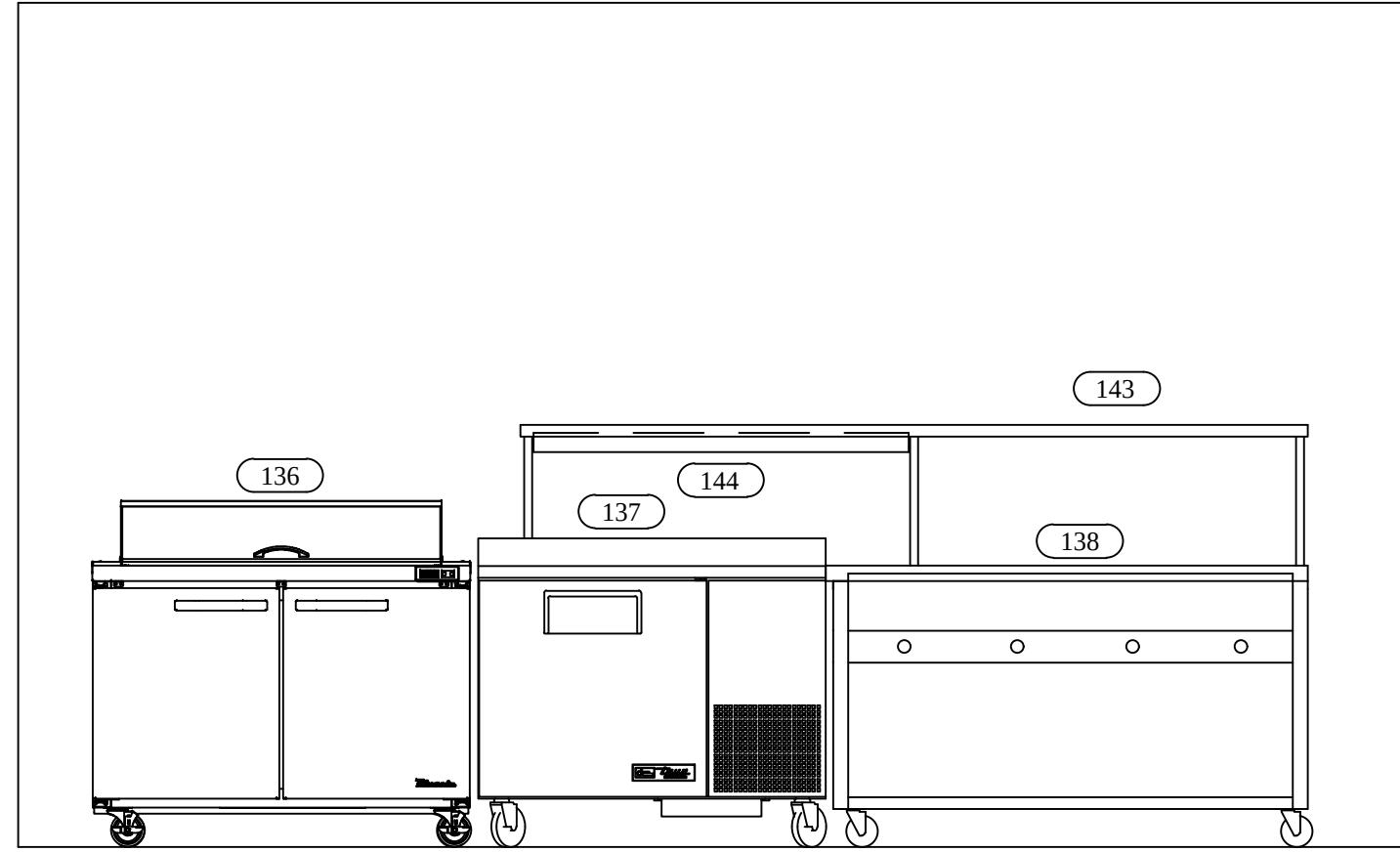




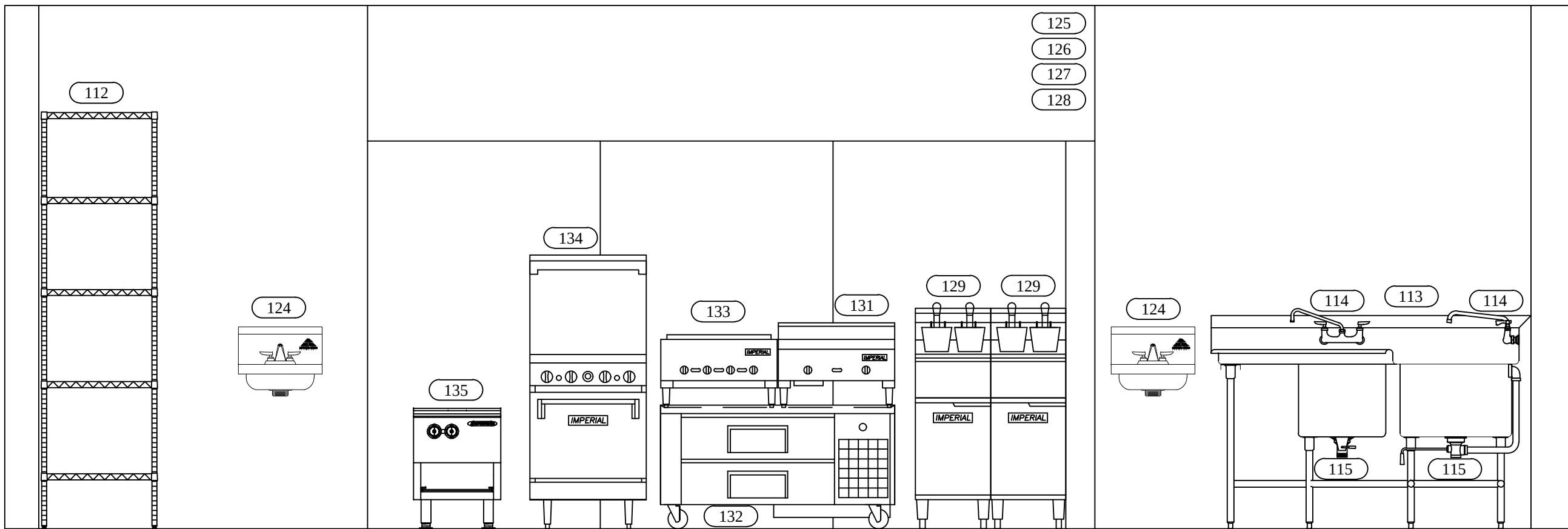
1 ELEVATION
FS-5 SCALE 1/2"=1'-0"



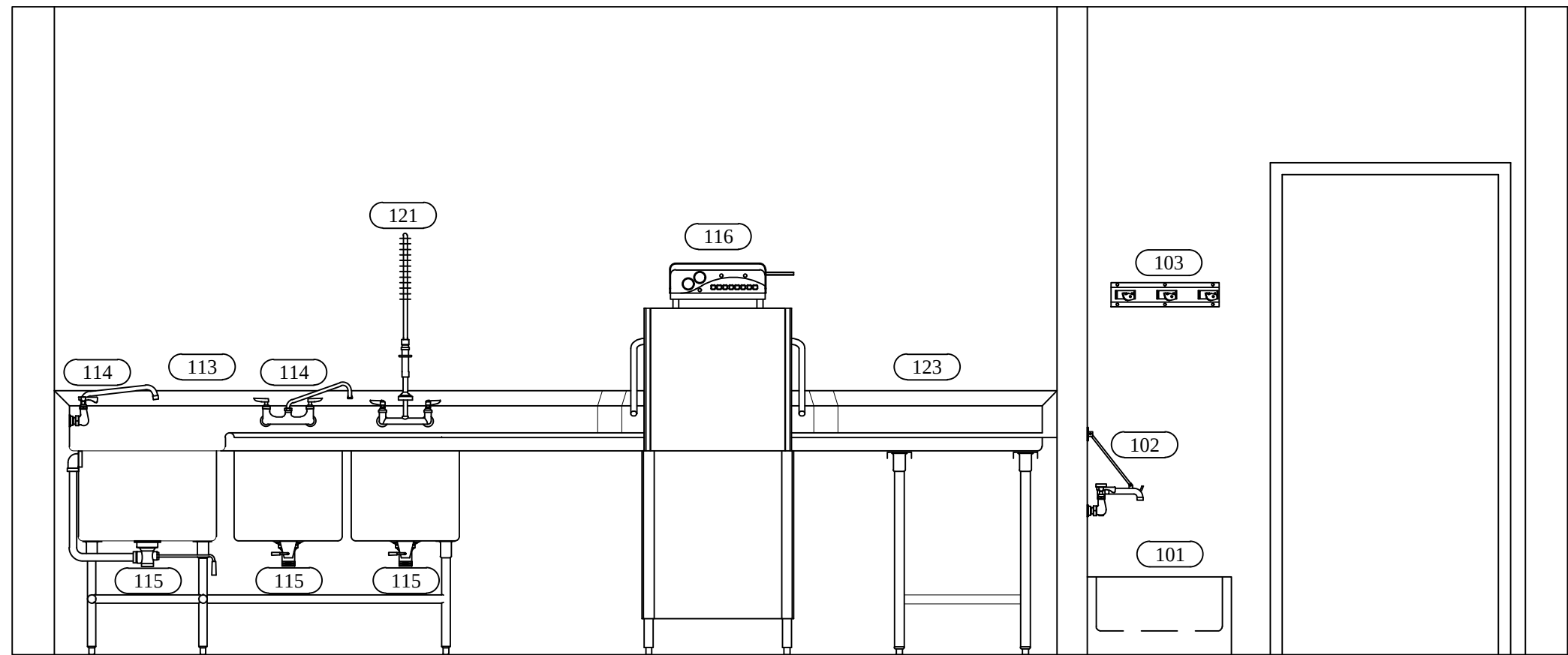
2 ELEVATION
FS-5 SCALE 1/2"=1'-0"



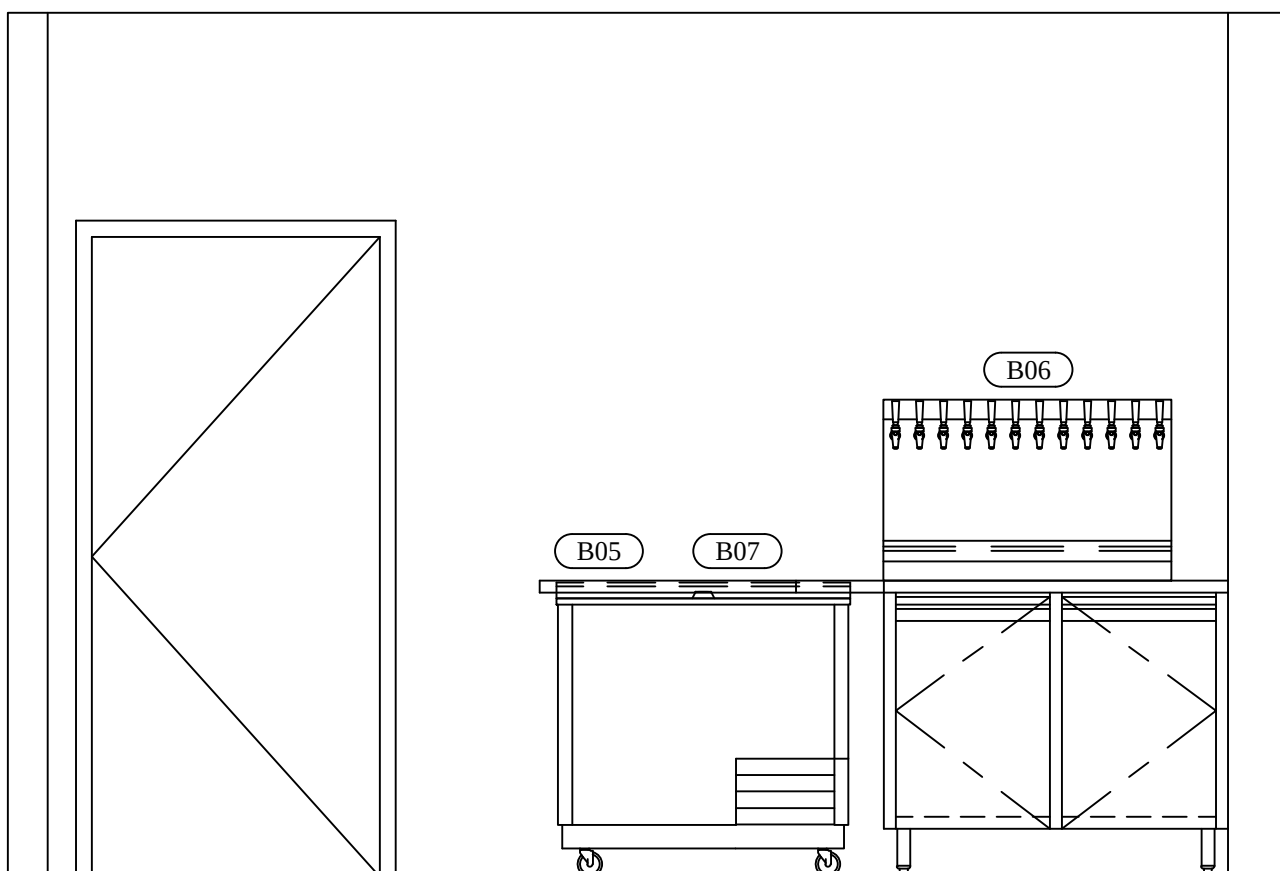
3 ELEVATION
FS-5 SCALE 1/2"=1'-0"



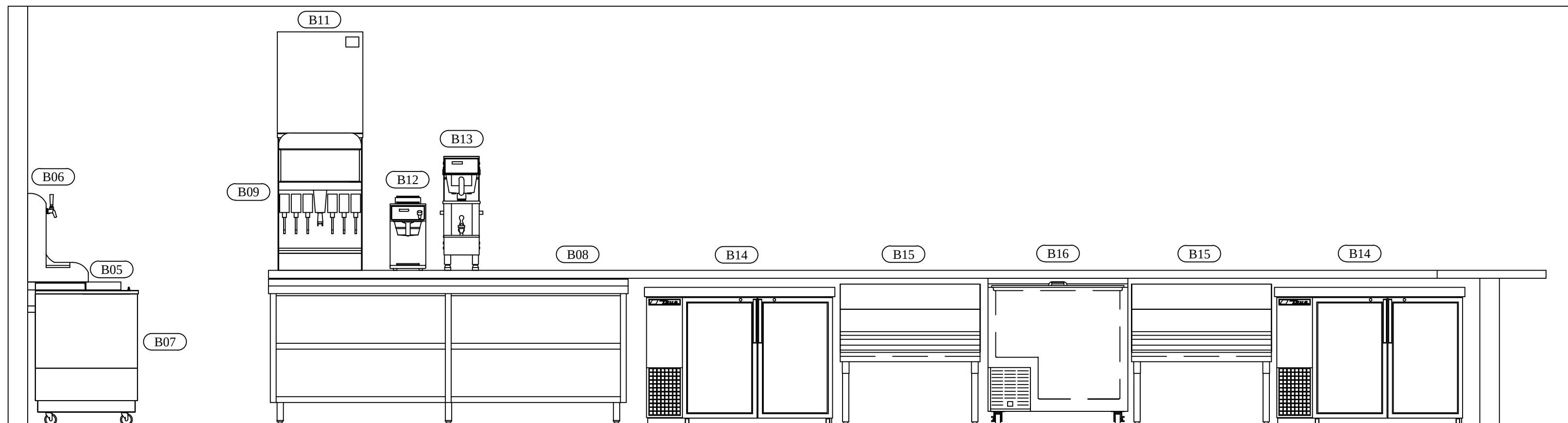
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FS-5 SCALE 1/2"=1'-0"



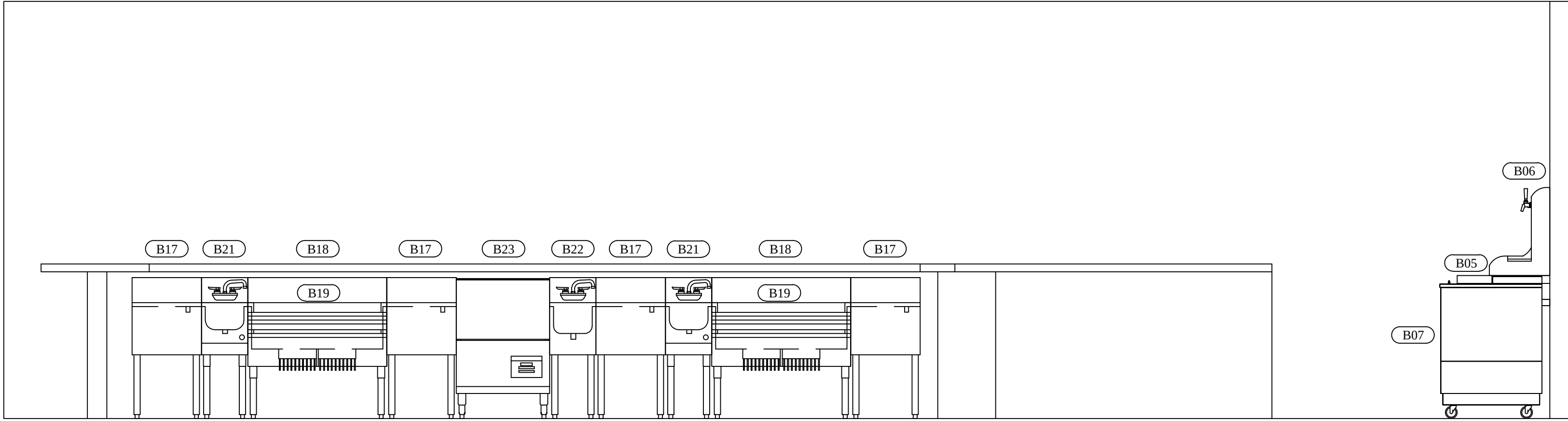
5 ELEVATION
FS-5 SCALE 1/2"=1'-0"



6 ELEVATION
FS-5 SCALE 1/2"=1'-0"



7 ELEVATION
FS-5 SCALE 1/2"=1'-0"



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

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**FOODSERVICE
ELEVATIONS**

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FS-5.1

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FOODSERVICE
MECHANICAL DATA

Sheet # :

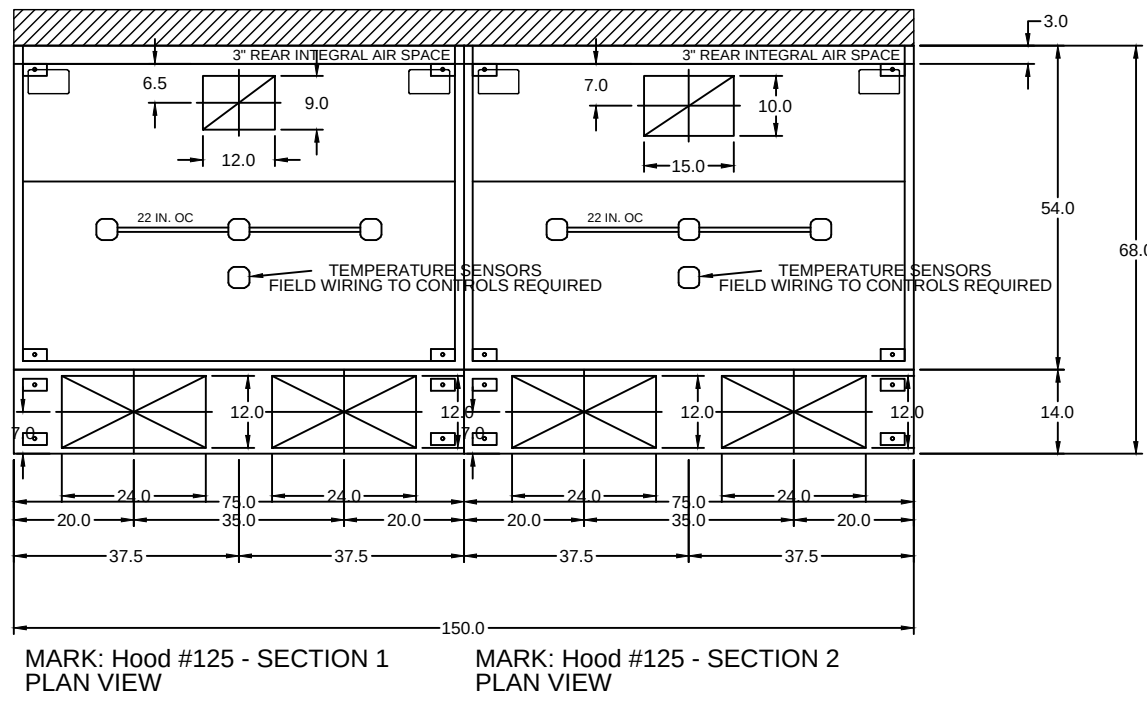
FS-6

HOOD INFORMATION																	
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				WIDTH	LENGTH	COLLAR(S) DIA.	CFM	S.P.	MUA CFM	AC CFM		
1	HOOD #125	XBEW-75-S	75	54	24	430 SS WHERE EXPOSED	HEAVY	1231	9	12		1231	0.432	1122		203.999	LEFT
2	HOOD #125	XBEW-75-S	75	54	24	430 SS WHERE EXPOSED	HEAVY	1575	10	15		1575	0.452	1122		203.999	RIGHT

HOOD INFORMATION													
HOOD NO.	MARK	LIGHTING DETAILS			FOOT CANDLES	GREASE FILTRATION DETAILS			UTILITY CABINET(S)				
		FIXTURE TYPE	BULB / LAMP INFO	QTY		TYPE / MODEL MATERIAL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM		CONTROLS	
1	HOOD #125	INCANDESCENT (GLOBE)	100W A19 (BULBS NOT INCL.)	3	42.71	STAINLESS STEEL	2	16	WALL				
							20						
2	HOOD #125	INCANDESCENT (GLOBE)	100W A19 (BULBS NOT INCL.)	3	42.71	STAINLESS STEEL	2	16					
							20						

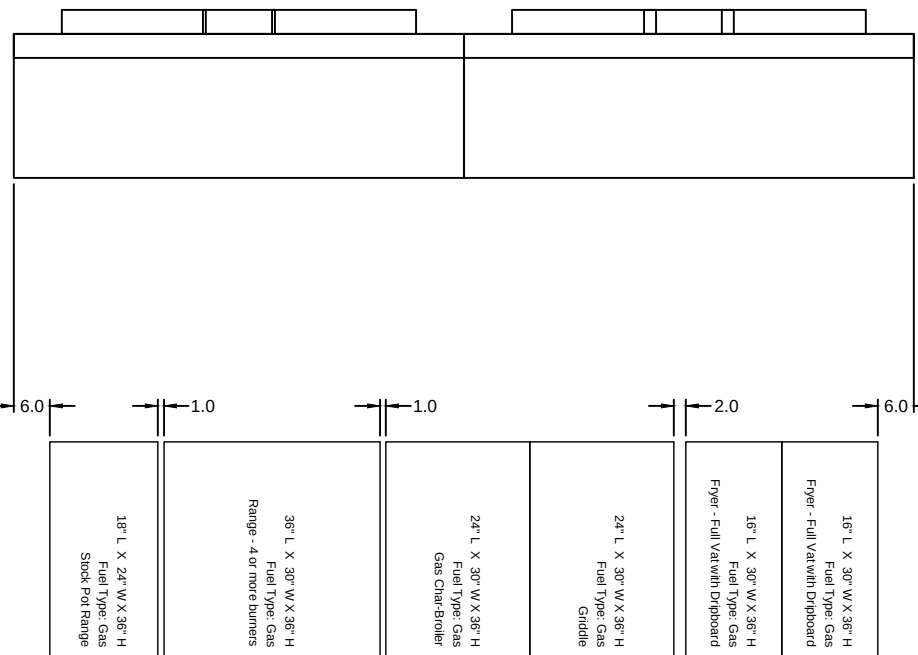
SUPPLY PLENUM INFORMATION																			
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	COLLARS							
				L	W	H			SUPPLIED	QTY		TYPE	MOUNTING	QTY	W	L	DIA.	CFM	S.P.
1	HOOD #125	FRONT	ASP	75	14	4	NO	YES	NO		1122	MUA	FACTORY	2	12	24	561	0.15	281
2	HOOD #125	FRONT	ASP	75	14	4	NO	YES	NO		1122	MUA	FACTORY	2	12	24	561	0.15	281

HOOD OPTIONS
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
BACK INTEGRAL AIR SPACE - 3 IN WIDE
CONTINUOUS CAPTURE
FACTORY MOUNTED EXHAUST COLLAR(S)
WALL UTILITY CABINET 24 IN HIGH 54 IN LONG 12 IN WIDE
PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



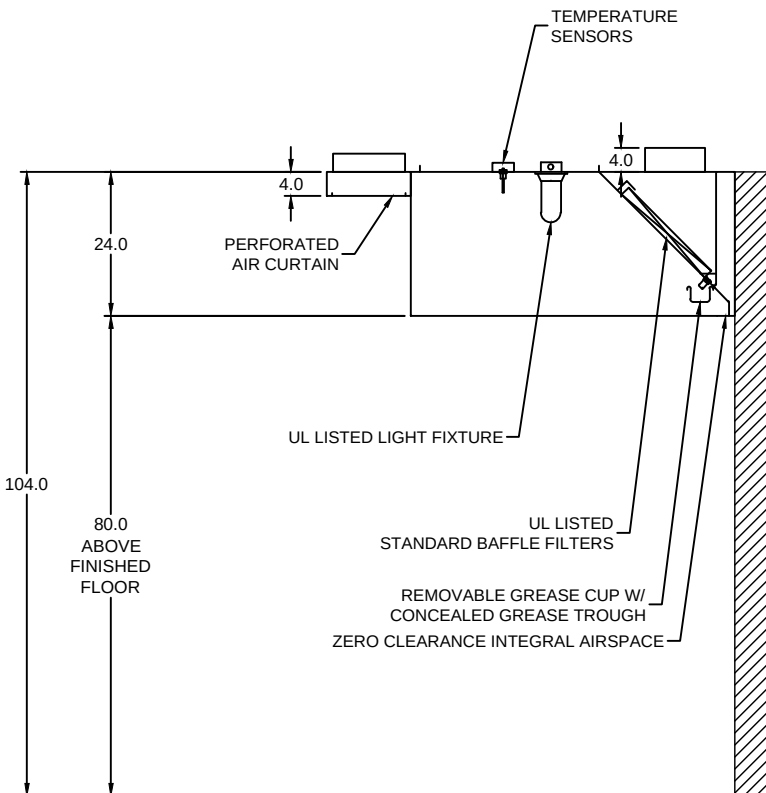
MARK: Hood #125 - SECTION 1
PLAN VIEW

MARK: Hood #125 - SECTION 2
PLAN VIEW

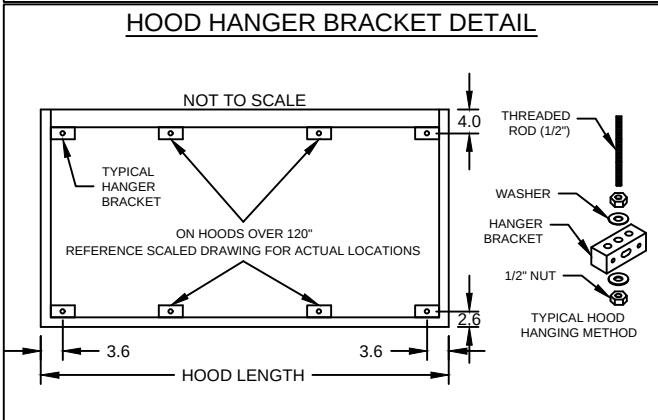
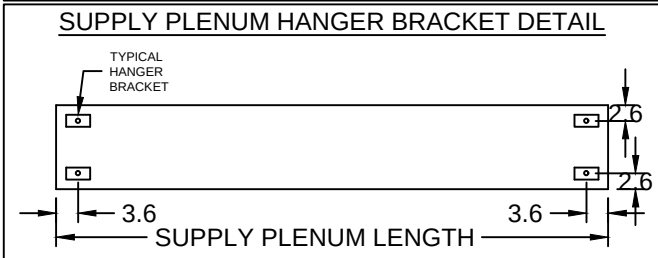
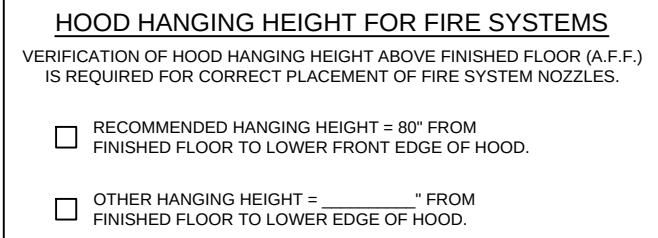
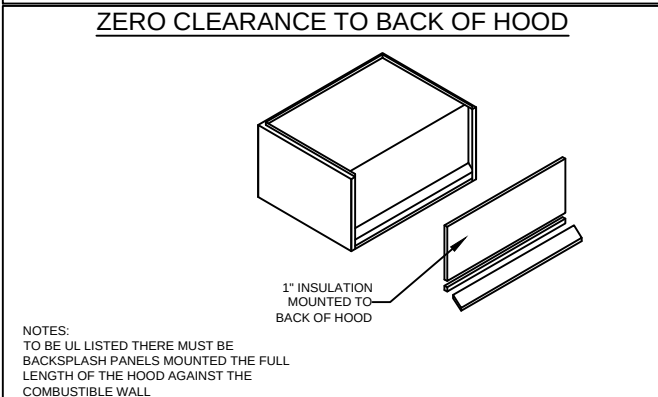
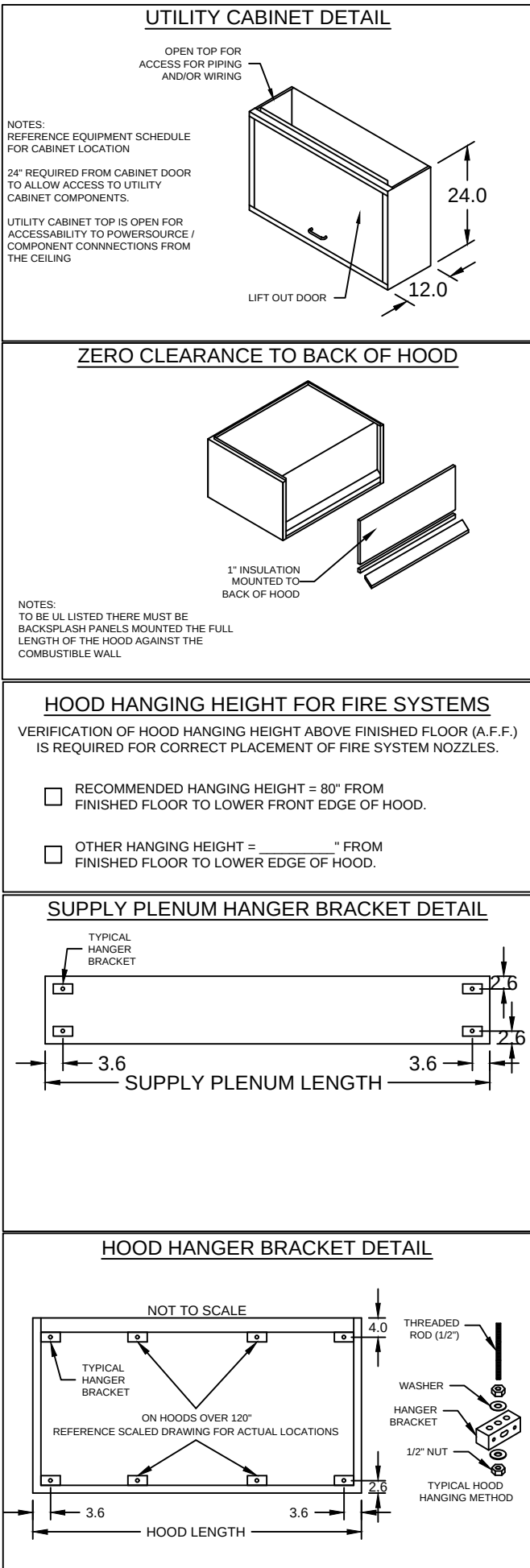


MARK: Hood #125 - SECTION 1
ELEVATION VIEW

MARK: Hood #125 - SECTION 2
ELEVATION VIEW



MARK: Hood #125 (LAST HOOD IN ROW)
SECTION VIEW



ACCUREX

ACCUREX GREATER HOUSTON
GABE CASTANEDA@ACCUREX.COM
(512) 934-0699

1836 BAR AND GRILL

PROJECT
9/29/2022

MARK

HOOD #125



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Katy, TX
77494

Revision :
0 09-06-22 DRAWN
1 10-07-22 REVISED

Date: 09/06/2022
Drawn by: K.D.K.
Checked by: D.C.

Sheet Title :

FOODSERVICE
MECHANICAL DATA

Sheet # :

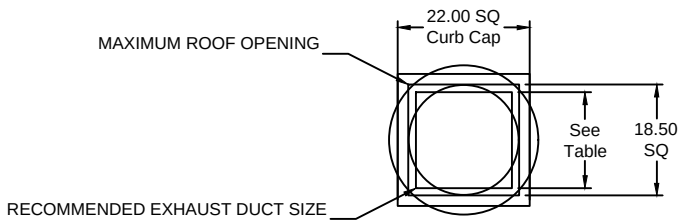
FS-7

Direct Drive Upblast Centrifugal Roof Exhaust Fan

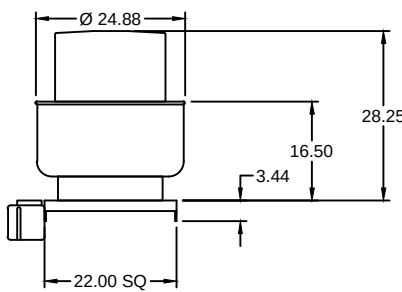
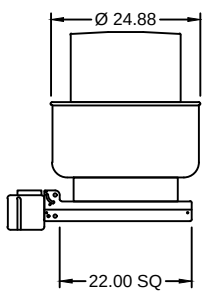
MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-1	XRUD-130-A	1.231	0.95	1.421	0.32	68	0.75	115/60/1	OP	1725	1	13.8

*NEC FLA - Based on table [430.250](#) or [430.248](#) of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

KEF-1 : SELECTED OPTIONS AND ACCESSORIES
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances" Switch, NEMA-3R, Toggle, Shipped with Unit Hinge, Factory Installed High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached) Solid State Speed Control, 10 Amp, Shipped With Unit Grease Trap (PN 475538)



DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	18 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.
CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON
MOTOR, ADAPTER, AND/OR HINGE BASE.

PROJECT
9/29/2022

1836 BAR AND GRILL

MARK

KEF-1

UL NSF
LISTED
FOOD SERVICE EQUIPMENT

ACCUREX GREATER HOUSTON
15015 FONDREN RD.
MISSOURI CITY, TEXAS 77489
GABE.CASTANEDA@ACCUREX.COM
(512)934-0699

ACCUREX

Seal :

A Project For :

Client :

1836 Bar & Grill

XXXX XXXX
Katy, TX
77494

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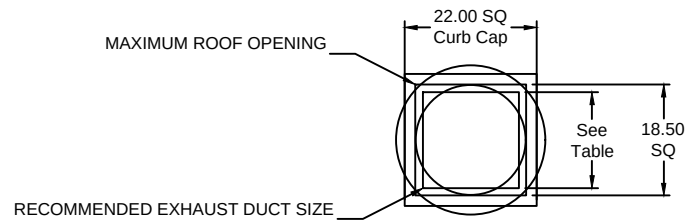
FS-8

Direct Drive Upblast Centrifugal Roof Exhaust Fan

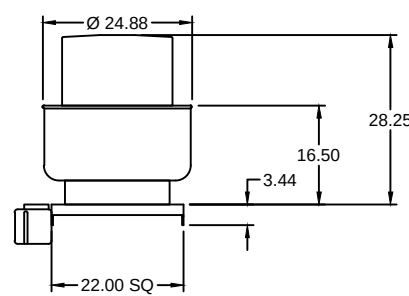
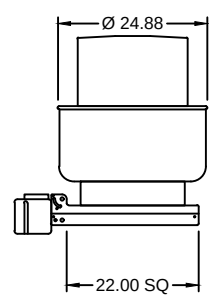
MARK INFORMATION			FAN INFORMATION					MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-2	XRUD-130-A	1,575	0.95	1,572	0.45	68	0.75	115/60/1	OP	1725	1	13.8

*NEC FLA - Based on table [430.250](#) or [430.248](#) of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

KEF-2 : SELECTED OPTIONS AND ACCESSORIES
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances" Switch, NEMA-3R, Toggle, Shipped with Unit Hinge, Factory Installed High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached) Solid State Speed Control, 10 Amp, Shipped With Unit Grease Trap (PN 475538)



DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	8 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.
CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON
MOTOR, ADAPTER, AND/OR HINGE BASE.

PROJECT
9/29/2022

1836 BAR AND GRILL

MARK

KEF-2

UL NSF
LISTED
FOOD SERVICE

ACCUREX GREATER HOUSTON
1836 BAR AND GRILL
GABE CASTALANEDA@ACCUREX.COM
(512)934-0699

ACCUREX

Seal :

A Project For :

Client :

1836 Bar & Grill
XXXX XXXX
Katy, TX
77494

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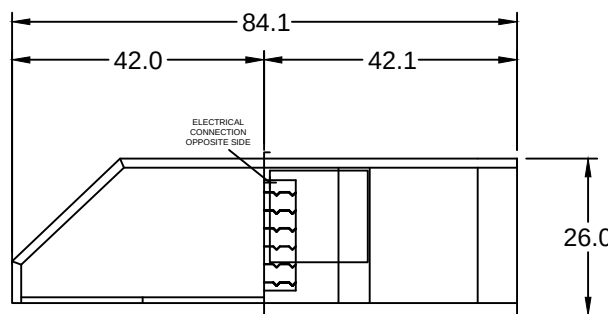
FOODSERVICE
MECHANICAL DATA

Sheet # :

FS-9

EQUIPMENT SCHEDULE										OPTIONS AND ACCESSORIES														
Non-Tempered Make-Up Air Unit							Mark: MUA-1		Air Flow Arrangement: Outdoor Air Only															
Qty	Accurex Model	Volume	External SP	Total SP	FRPM	Operating Power	Weight	Weatherhood: Aluminum Mesh, 21x21x1 - (2)																
1	XMSF-P115-HDS-VG	2,244 CFM	0.5 in. wg	0.622 in. wg	1548	0.74 hp	227 lb	Dampers: Inlet																
Motor Information <table><tr><td>Size</td><td>VGCP</td><td>Enclosure</td><td>Motor RPM</td><td>Windings</td><td>MCA</td><td>MDP</td></tr><tr><td>1 hp</td><td>115W001</td><td>ODP</td><td>No</td><td>1725</td><td>1</td><td>20</td><td>35</td></tr></table>								Size	VGCP	Enclosure	Motor RPM	Windings	MCA	MDP	1 hp	115W001	ODP	No	1725	1	20	35	Outdoor Air Intake Position: End	
								Size	VGCP	Enclosure	Motor RPM	Windings	MCA	MDP										
								1 hp	115W001	ODP	No	1725	1	20	35									
								Discharge Position: Bottom																
								Coating: Galvanized																
								Installation: None																
								Supply Fan Control: Vari-Green ECM																
								Vari-Green Control: On/Off on Motor																
								Access: Side - Right-Hand																
								Disconnect																
Unit Warranty: 36 Months (std.)																								

PLAN VIEW



ELEVATION VIEW

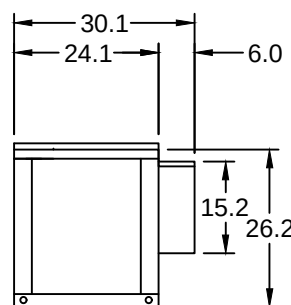
NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.
For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

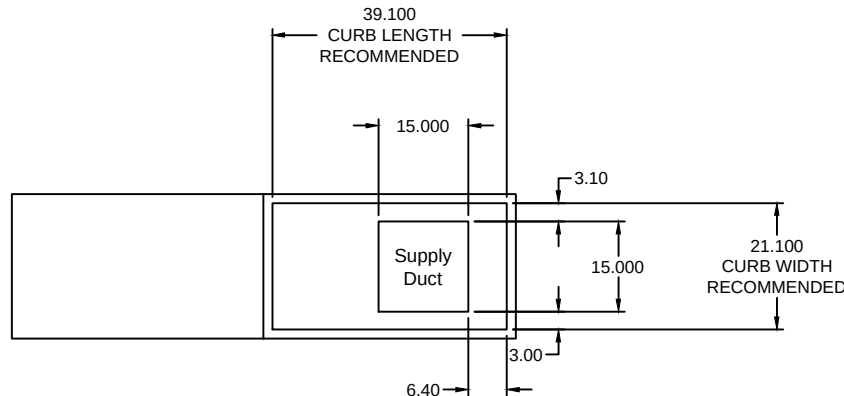
Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.
For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb.
This is by design, in order to help alleviate water infiltration issues.

END VIEW



FOOTPRINT



PROJECT
9/29/2022

1836 BAR AND GRILL

MARK

UL NSF

MUA-1

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GABE CASTANEDA@ACCUREX.COM
(512)934-0699

ACCUREX

FIRE SYSTEM INFORMATION						
MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION
			HOODS	PCU		
FSS	ANSUL R-102 WET CHEMICAL	WALL CABINET - ON HOOD #125	18 UTILIZED 22 AVAILABLE		CONTINUOUS	FUSIBLE LINK
MARK(S) PROTECTED BY FIRE SYSTEM						
HOOD #125 SECTION 1						
HOOD #125 SECTION 2						

FIRE SYSTEM OPTIONS AND ACCESSORIES

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)

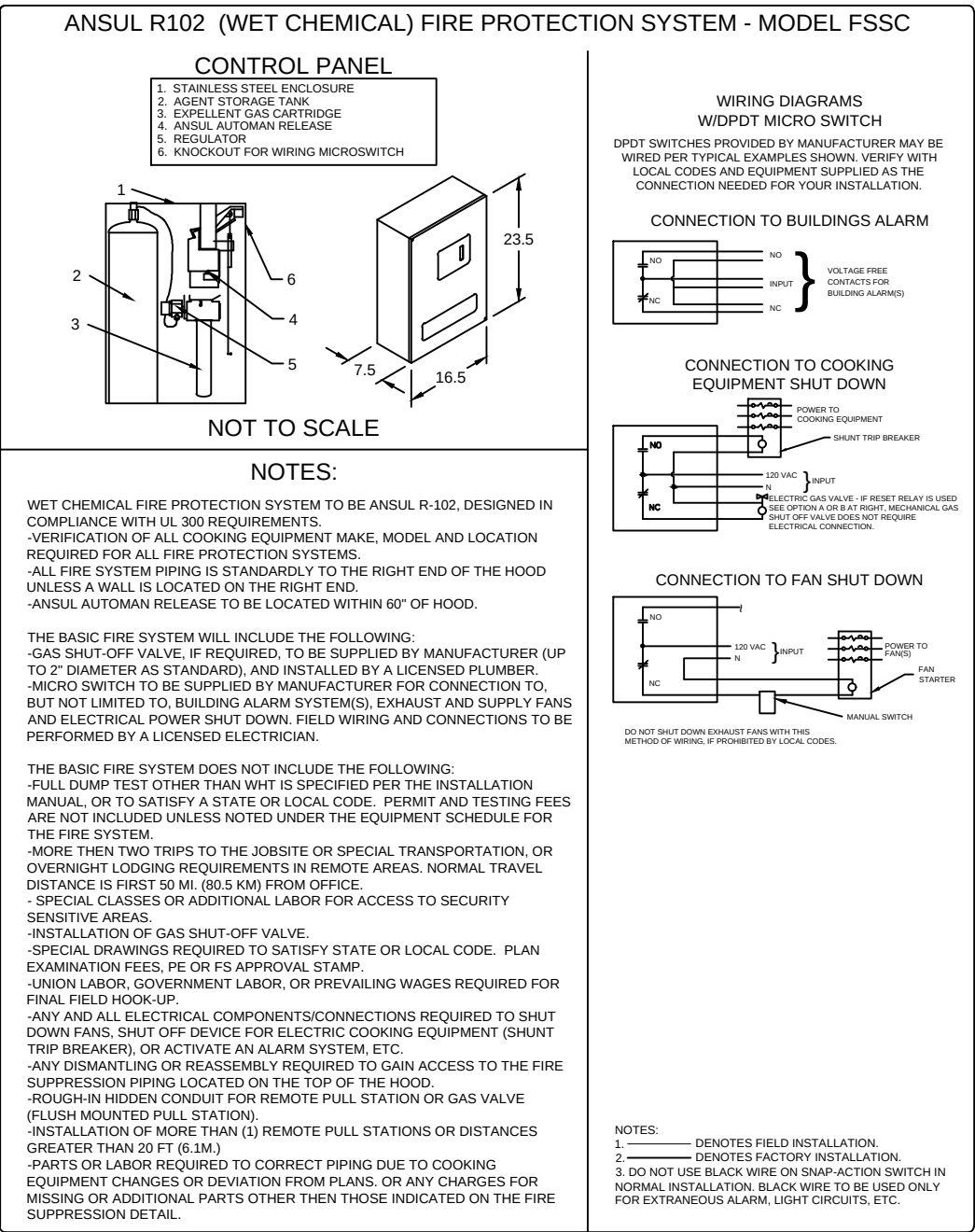
CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED

METAL BLOW-OFF CAPS - INCLUDED

GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2", (ANSUL) - PART# ANSULMECHSHUTOFFVALVE200

HOOD SUPPRESSION TANK - INCLUDED - 6 GAL. - (2) 3.0 TANK(S)

REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS



PROJECT
8/31/2022

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1836 BAR AND GRILL

FSS

MARK

ACCUREX

