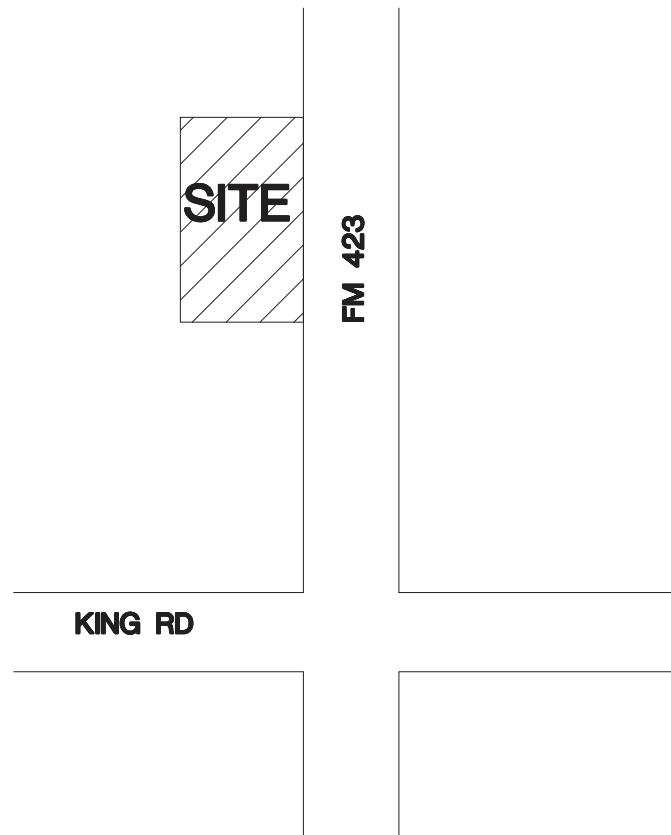


BLACK LABEL BEAUTY

1710 FM 423 #800, FRISCO, TX 75034



VICINITY MAP



CODE INFORMATION SUMMARY

SQUARE FOOTAGES:

LEASE SPACE= 1250 SF

JURISDICTIONS:

CITY OF LITTLE ELM BUILDING DEPARTMENT

APPLICABLE INFORMATION:

CODES - IBC 2018
- IPC 2018
- IMC 2018
- NEC 2017
- IECC 2018

REGULATIONS - TDLR - TEXAS ACCESSIBILITY STANDARDS
CONSTRUCTION TYPE - II-B (FULLY- SPRINKLERED BUILDING)
BUILDING OCCUPANCY TYPE - M (BEAUTY SUPPLY STORE)

OCCUPANT LOAD CALCULATION:
1. SALES AREA: 1177 SF (1177/30= 40 O.C.C.)
2. BREAK ROOM: 270 SF (270/100= 3 O.C.C.)
3. RESTROOM + SERVICE + DEAD SPACE: 403 SF (0 O.C.C.)

TOTAL OCCUPANT LOAD= 43 O.C.C.
NUMBER OF RESTROOM REQ'D= 1 (LESS THAN 100)
NUMBER OF RESTROOM PROV'D= 1

BUILDING EGRESS -
MAX. TRAVEL DISTANCE= 64'-8"
NUMBER OF EXITS REQ'D: 1
NUMBER OF EXITS PROVIDED: 2
EGRESS WIDTH REQ'D: 6.45"
EGRESS WIDTH PROV'D: 6' (12')

PARKING ANALYSIS

PARKING REQ'D: 10
PARKING PROV'D: 10

GENERAL NOTES:

- THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE JOB SITE AND REPORT ANY DISCREPANCIES AND/OR UNUSUAL CONDITIONS TO THE ARCHITECT PRIOR TO FINALIZING CONTRACT AND COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE PUBLIC PROTECTION AS NECESSARY AND REQUIRED BY THE LOCAL CITY REQUIREMENTS.
- WHILE THE DRAWINGS HAVE BEEN SEGMENTED INTO STANDARD DIVISIONS GENERALLY REFLECTING THE SCOPE OF WORK OF DIFFERENT TRADES, WORK REQUIRED OF ANY TRADE MAY BE SHOWN ANYWHERE IN THE DRAWINGS. CONTRACTOR IS THEREFORE CAUTIONED TO BASE CONTRACT ON THE ENTIRE INTEGRATED CONSTRUCTION DOCUMENTS; NO CLAIM FOR AN EXTRA WILL BE CONSIDERED FOR FAILURE TO DO SO.
- IN THE EVENT OF DISCREPANCIES BETWEEN VARIOUS DRAWINGS, REPORT CONDITIONS TO ARCHITECT IN TIMELY MANNER TO ALLOW REVIEW AND RESPONSE.
- UNLESS OTHERWISE INDICATED ON THESE DRAWINGS AS BEING N.I.C. OR EXISTING, ALL ITEMS, MATERIALS ETC. AND INSTALLATION OF SAME ARE A PART OF THE CONTRACT DEFINED BY THESE DRAWINGS.
- COLORS SHALL BE PROVIDED BY ARCHITECT, UNLESS OTHERWISE NOTED, UPON COMPLETION OF APPROVED COLOR SELECTION BOARD.
- UNLESS OTHERWISE NOTED, EXTERIOR AND INTERIOR EXPOSED METAL TRIM, TRELLAGE, RAILINGS, MOLDING, FRAMES, CASTINGS, ETC. SHALL BE PAINTED.
- GENERAL CONTRACTOR TO KEEP SITE CLEAN AT ALL TIMES.
- GAPS BETWEEN DIFFERENT MATERIALS OR AT CORNERS SHALL BE THOROUGHLY SEALED.
- ROOF PENETRATIONS FOR NEW MECHANICAL EQUIPMENT SHALL CONFORM W/ EXISTING ROOFING MANUFACTURERS' WARRANTY DETAILS, SO AS TO MAINTAIN WARRANTY COVERAGE.

NO	AREA	FLOOR	BASE	WALLS	CEILING
		STAIN CONCRETE W/ CLEAR POLYURETHANE COAT (1 TIME)	QUARTZ TILE	CERAMIC	VINYL
			HAND PAINT		
				CERAMIC TILE	
				SS COVE STRIP	
				GYF. BD. FTD.	
				CERAMIC TILE (MIN. 5') W/ GYP. BD. FTD.	
				SS TILE	
				FR. FIN. 4' W/ GYP. BD. FTD. @ TOP SINK AREA	
				ACT (2X2)- VINYL FACE	
				ACT (2X4)	
				SUSPENDED WOOD FRAME	
				GYF. BD. CEILING	
				OPEN TO STRUCTURE	
101	SALES				
102	COUNTER				
103	HALLWAY				
104	RESTROOM				
105	DISPLAY				
106	BREAK ROOM				

1. ANY AND ALL PAINTED SURFACES MUST BE ABSOLUTELY, TOTALLY SMOOTH, WITH ABSOLUTELY NO SURFACE TEXTURING. THIS APPLIES TO ANY PAINTED GYPSUM BOARD CEILINGS IN THE RESTROOMS, AS WELL AS ANY PAINTED GYPSUM BOARD WALLS IN ANY FOOD HANDLING.

03 ROOM SCHEDULE

N.T.S.

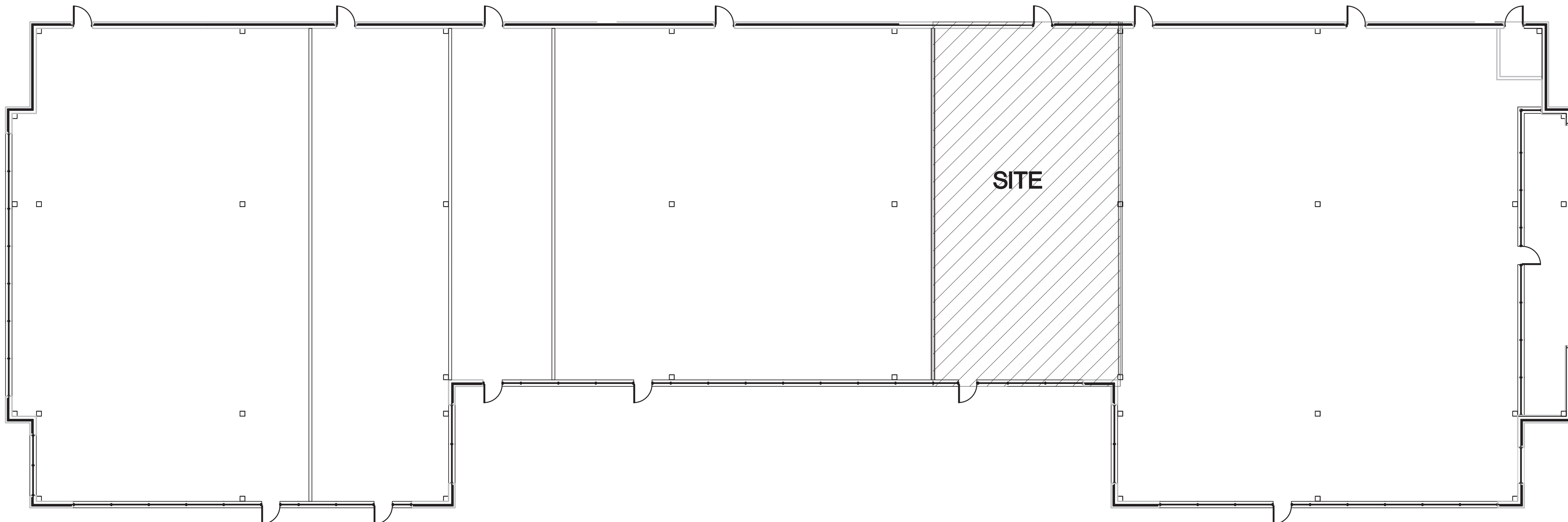
NO	DOOR SIZE	THK.	MATERIAL	FRAME
1	3'-0" x 7'-0"	1 3/4"	STOREFRONT- EXISTING	ALUM.
3	3'-0" x 7'-0"	1 3/4"	SOLID CORE WOOD DOOR, PRE-FINISHED	HM.
4	3'-0" x 7'-0"	1 3/4"	SOLID CORE WOOD DOOR, PRE-FINISHED	HM.
6A	3'-0" x 7'-0"	1 3/4"	SOLID CORE WOOD DOOR, PRE-FINISHED	HM.
6B	3'-0" x 7'-0"	1 3/4"	HOLLOW METAL DOOR- EXISTING	HM.

DOOR HARDWARE

- ALL HARDWARE TO BE SCHLAGE LEVER HANDLE HARDWARE WITH 626 FINISH. PROVIDE SILENCERS, HINGES AND LATCH SETS FOR EACH DOOR AS REQUIRED.
- PROVIDE CLOSURES (LCN649-OR APPROVED ALUM. EQUAL) ON TOILET DOORS & EXIT DOORS.
- IF NOT PRESENT (FOR REAR DOOR ONLY)- CONTRACTOR TO PROVIDE PANIC HARDWARE WITH ALARM: "ALARM WILL SOUND WITH OPENING " ON REAR DOOR- WEATHER SEAL AND SECURITY VIEWER AT 60" A.F.F. AT EXISTING REAR DOOR.
- FRONT AND BACK DOOR: SCHLAGE LEVEL HANDLE KEYED ENTRANCE, WITH PUSH BUTTON INSIDE WHEN OCCUPANT LOAD IS MORE THAN 50.

02 DOOR SCHEDULE

N.T.S.

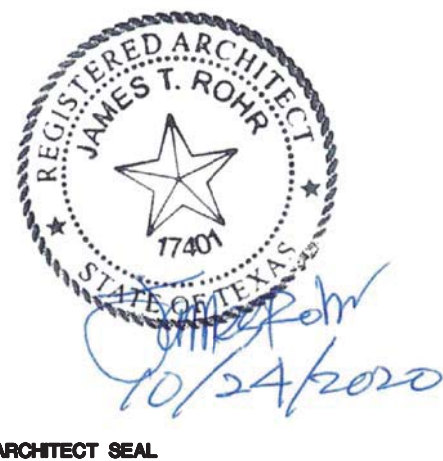


01 KEY PLAN

3/32"=1'-0"

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2601 Perth Street
Dallas, TX75220
johnma2@yahoo.com

F-3485



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KEY PLAN/
SCHEDULES

22010-22
JOB NO. SHEET

A1.01



ONLINE CERTIFICATIONS DIRECTORY

Home Quick Guide Contact Us UL.com

Design No. U465

BXUV.U465
Fire Resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

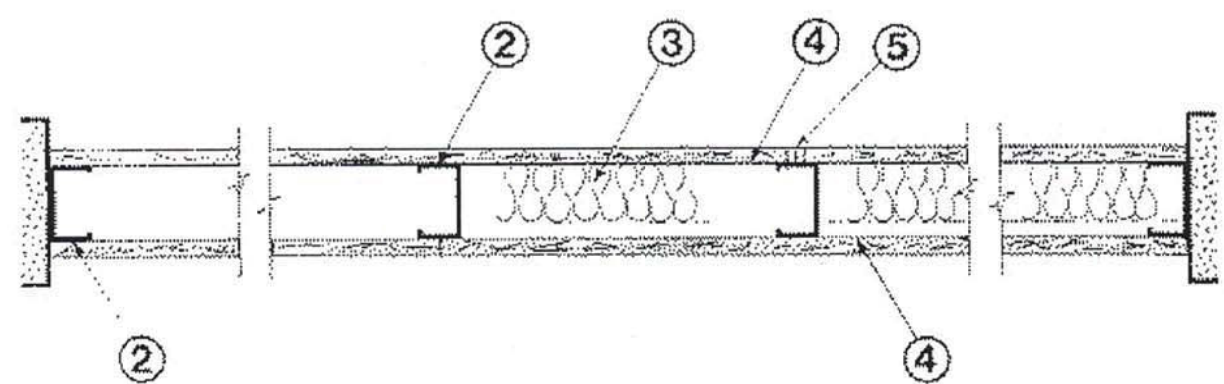
Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire-resistance Ratings - ANSI/UL 263

Design No. U465

June 07, 2013

Nonbearing Wall Rating - 1 HR.



1. Floor and Ceiling Runners - (Not shown) - Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. Framing Members* - Floor and Ceiling Runners - (Not shown) - As an alternate to Item 1 - Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC - Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV - Type SUPREME Framing System

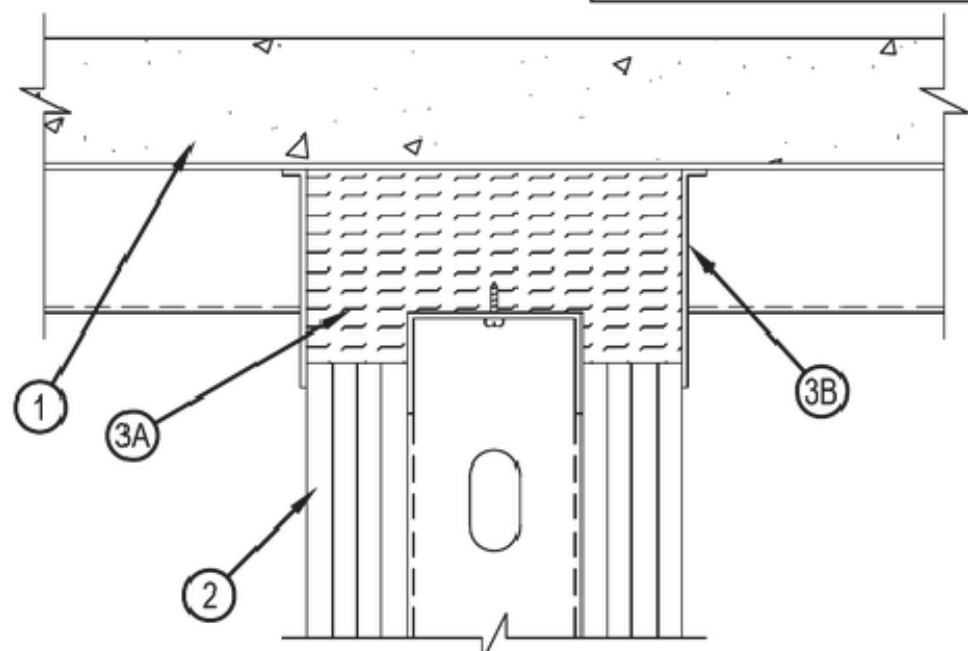
QUAIL RUN BUILDING MATERIALS INC - Type SUPREME Framing System

http://database.ul.com/...ANSI/UL+263&objid=1074330743&cfid=1073741824&version=versionless&parent_id=1073984818&sequence=1[8/2013 8:57:01 AM]

Classified by
Underwriters Laboratories, Inc.
to UL 2079 and CANULC-S115

System No. HW-D-0292

ANSI/UL2079	CAN/ULC S115
Assembly Ratings - 1, 2, 3 and 4 Hr (See Item 2)	F Ratings - 1, 2, 3 and 4 Hr (See Item 2)
Nominal Joint Width - 1 in.	FT Ratings - 1, 2, 3 and 4 Hr (See Item 2)
Class II Movement Capabilities - 12.5% Compression or Extension	FH Ratings - 1, 2, 3 and 4 Hr (See Item 2)
L Rating At Ambient - Less Than 1 CFM/in ft	FTH Ratings - 1, 2, 3 and 4 Hr (See Item 2)
L Rating At 400 F - Less Than 1 CFM/in ft	Nominal Joint Width - 1 in.
	Class II Movement Capabilities - 12.5% Compression or Extension
	L Rating At Ambient - Less Than 1 CFM/in ft
	L Rating At 400 F - Less Than 1 CFM/in ft



1. Floor Assembly - The fire-rated fluted steel floor unit/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the Fire Resistance Directory. The hourly rating of the floor assembly shall be equal to or greater than the hourly rating of the wall assembly. The floor assembly shall include the following construction features:

A. Steel Floor and Form Units* - Max 3 in. (76 mm) deep galv steel fluted floor units.

B. Concrete - Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

2. Wall Assembly - The 1, 2, 3 or 4 h fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor and Ceiling Runners - Floor and ceiling runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Flange height of ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width. Ceiling runner secured to valleys of steel floor units with steel fasteners or by welds spaced max 24 in. (610 mm) OC.

A1. Light Gauge Framing* Slotted Ceiling Runner - As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel floor units and secured to valleys with steel fasteners spaced max 24 in. (610 mm) OC.

CALIFORNIA EXPANDED METAL PRODUCTS CO - CST

BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS - SLP-TRK

MARINOWARE, DIV OF WARE INDUSTRIES INC - Type SLT



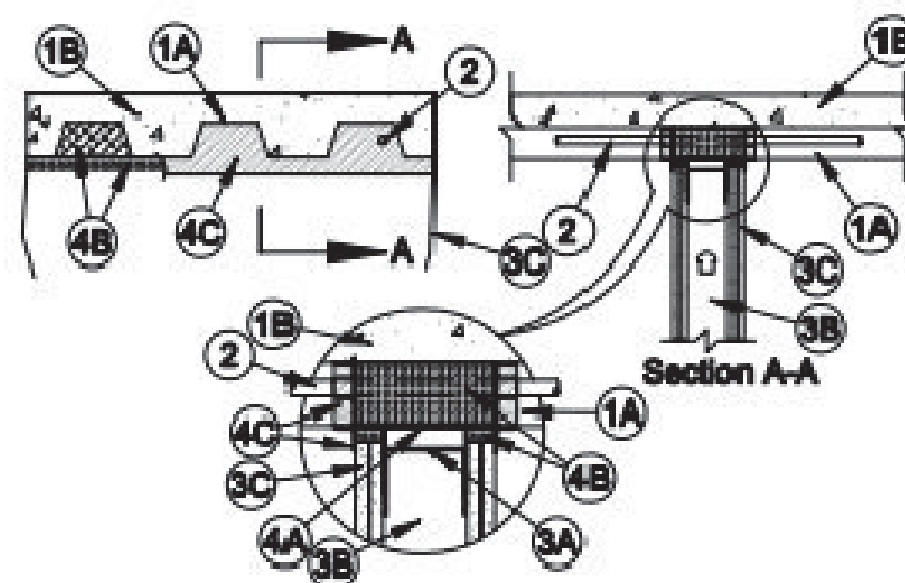
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March 23, 2012

Page: 1 of 2

System No. HW-D-0043



ANSI/UL2079	CAN/ULC S115
Assembly Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)	F Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
Nominal Joint Widths - 1-1/2 and 2-1/2 in. (See Item 4)	FT Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
Class III Movement Capabilities - 40 or 50% Compression or Extension (See Item 4)	FH Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
L Rating At Ambient - Less Than 1 CFM/sq ft	FTH Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
L Rating At 400 F - Less Than 1 CFM/sq ft	Nominal Joint Widths - 1-1/2 and 2-1/2 in. (See Item 4)
	Class III Movement Capabilities - 40 or 50% Compression or Extension (See Item 4)
	L Rating At Ambient - Less Than 1 CFM/sq ft
	L Rating At 400 F - Less Than 1 CFM/sq ft



1. Floor Assembly - The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the floor assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The floor assembly shall include the following construction features:

A. Steel Floor and Form Units* - Max 3 in. (76 mm) deep galv steel fluted floor units.

B. Concrete - Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. Roof Assembly - (Not Shown) - As an alternate to the floor assembly (Item 1), a fire-rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The roof assembly shall include the following construction features:

A. Steel Roof Deck - Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. Roof Insulation - Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the steel roof deck.



Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876

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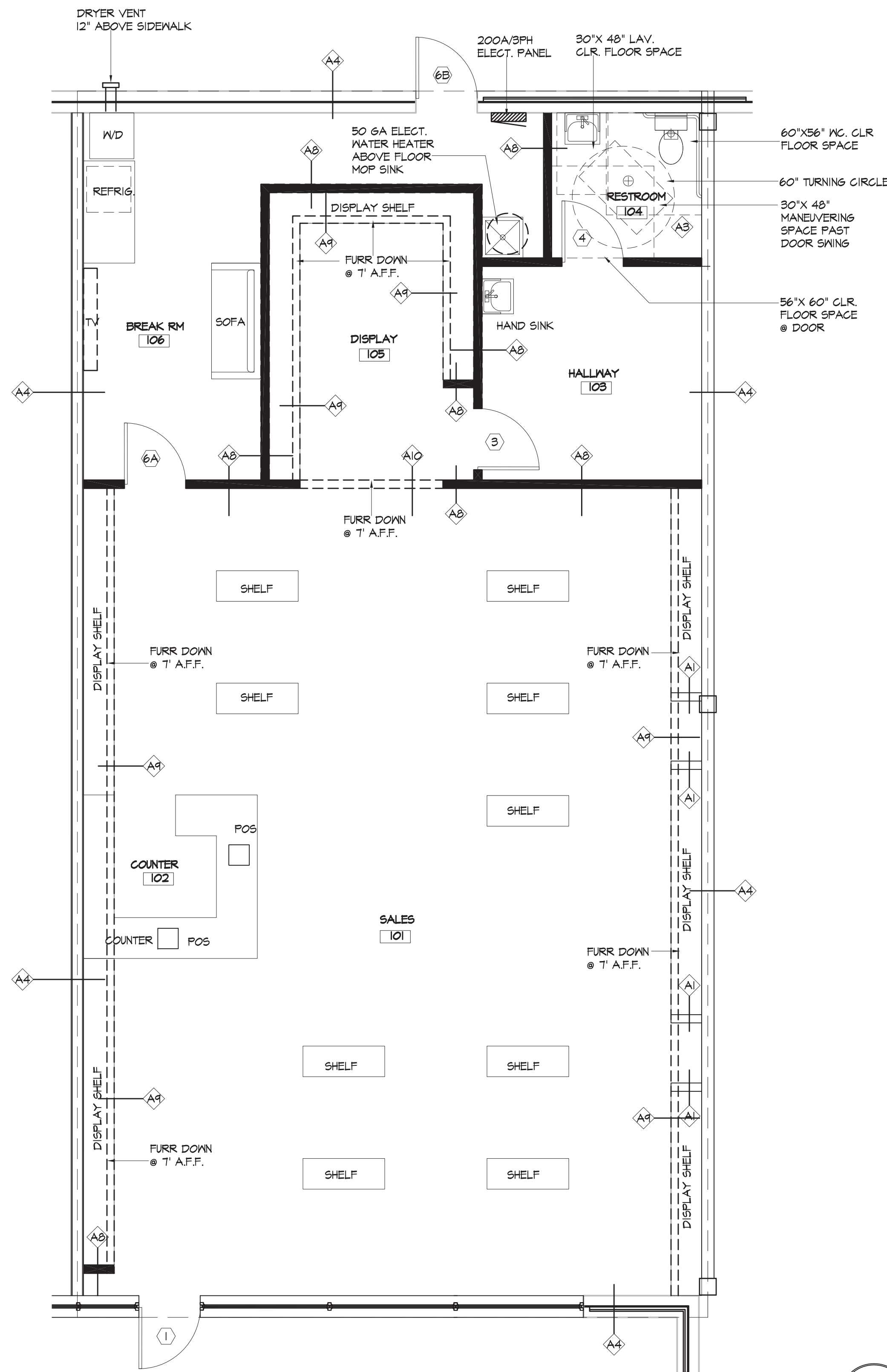
Created or Revised: January 11, 2013

(800) 962-1180 • (0085) 261-8000 • FAX: (008) 231-8415 • E-Mail: techserv@stifirestop.com • Visit website: www.stifirestop.com

HW-D-0043
PAGE 1 OF 1

TYPE	PARTITION	GA	HGT	GYF. BD. TYPE	INSULATION
A1		25	10'	5/8" TYPE 'X' GYP. BD. ON 3 5/8" MTL. STUDS @24" O.C. ON BOTH SIDES	NO BATT INSULATION
A2		20	B.O. DECK	5/8" TYPE 'X' GYP. BD. ON 3 5/8" MTL. STUDS @24" O.C. ON BOTH SIDES	BATT INSULATION (R14)
A3		25	12'	5/8" WR. GYP. BD. ON 3 5/8" MTL. STUDS @24" O.C. ON BOTH SIDES	BATT INSULATION (R13) @ TOILET
A4	EXISTING	25	B.O. DECK	5/8" TYPE 'X' GYP. BD. ON EXISTING WALL FRAME ON ONE SIDE	BATT INSULATION (R14)
A8		18	B.O. DECK	5/8" TYPE 'X' GYP. BD. ON 3 5/8" MTL. STUDS @24" O.C. ON BOTH SIDES	NO BATT INSULATION
A9		25	FURR DOWN	5/8" TYPE 'X' GYP. BD. ON 3 5/8" MTL. STUDS @24" O.C. ON ONE SIDE	NO BATT INSULATION
A10		25	FURR DOWN	5/8" TYPE 'X' GYP. BD. ON 3 5/8" MTL. STUDS @24" O.C. ON BOTH SIDES	NO BATT INSULATION

NOTES: IN ACCORDANCE WITH 2018 IBC SECTION 703.1, FIRE RATED DEMISING WALL SHALL BE MARKED AND IDENTIFIED WITH SIGNS WHICH IS LOCATED WITHIN 15 FEET OF END OF EACH WALL AND AT INTERVAL NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE FIRE RATED WALL. SIGN LETTER SHALL NOT BE LESS THAN 3 INCH IN HEIGHT WITH MINIMUM 3/8 INCH STROKE IN A CONTRASTING COLOR IN CORPORATING THE SUGGESTED WORDING, - "1 HOUR FIRE RATED WALL"



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FAX) 972-247-4477

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2601 Perth Street
Dallas, TX75220
johnma2@yahoo.com
F-3485



ENGINEER SEAL

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FIXTURE PLAN



01 FIXTURE PLAN

1/4"=1'-0"

22010-22 A2.01

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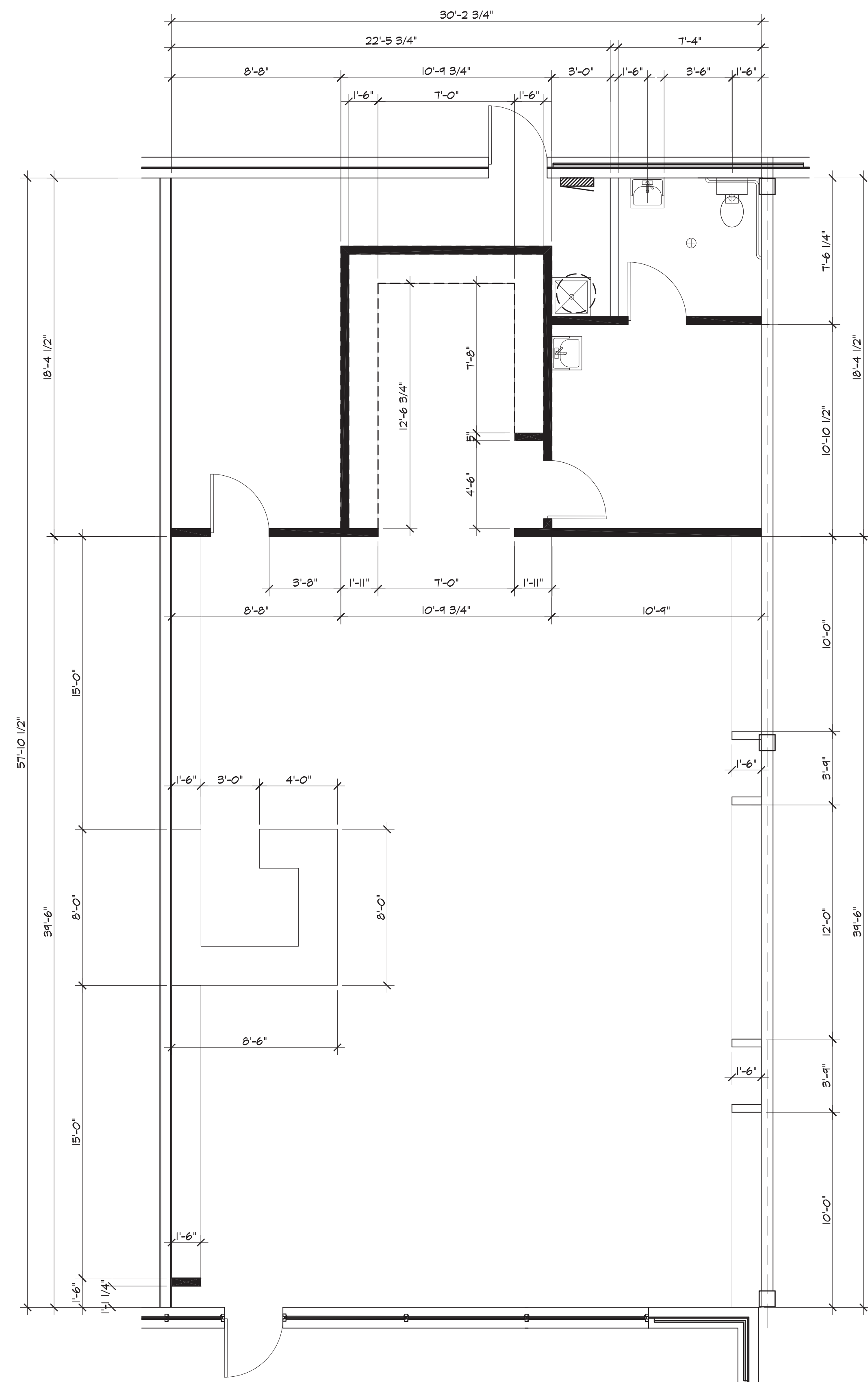
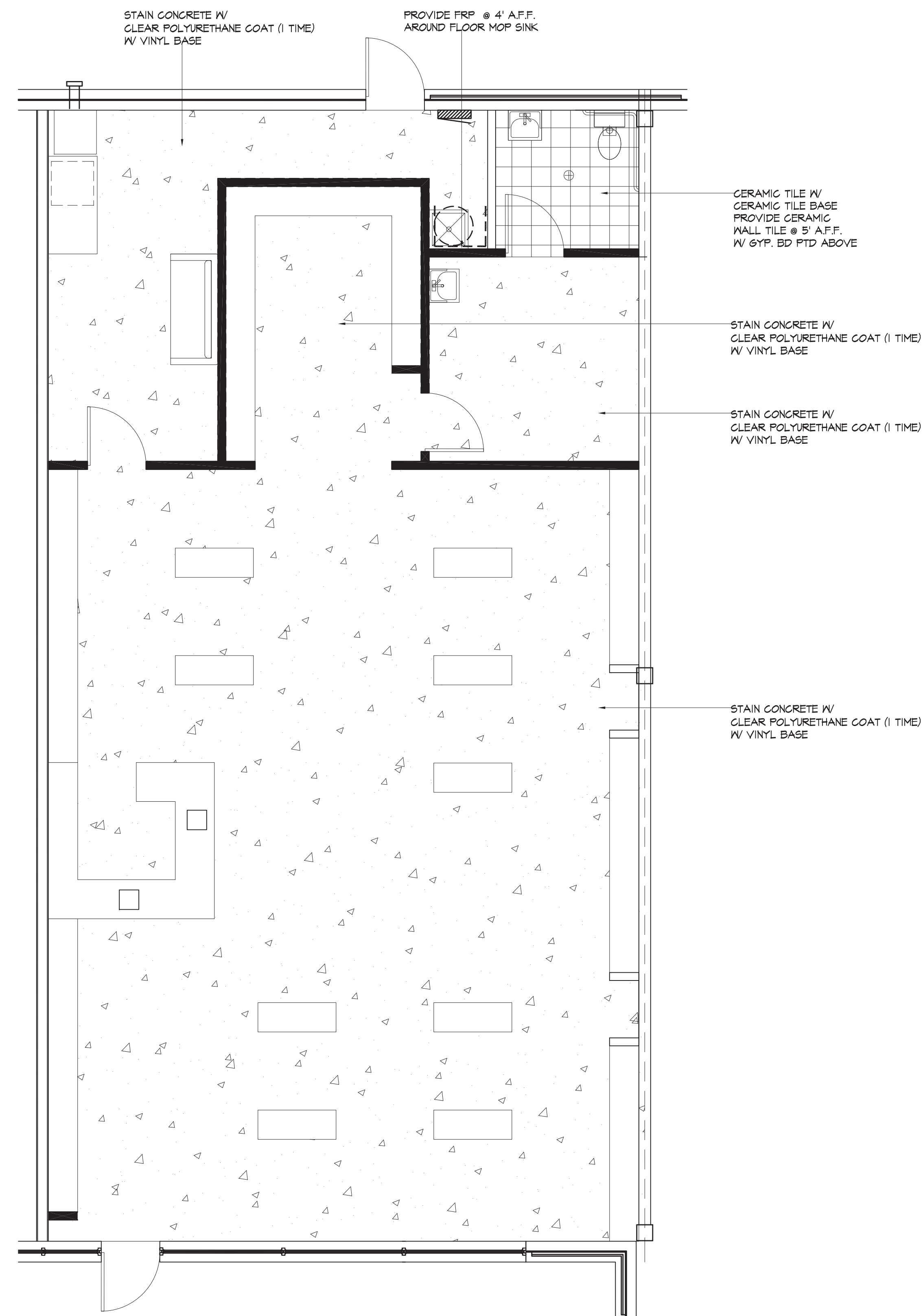
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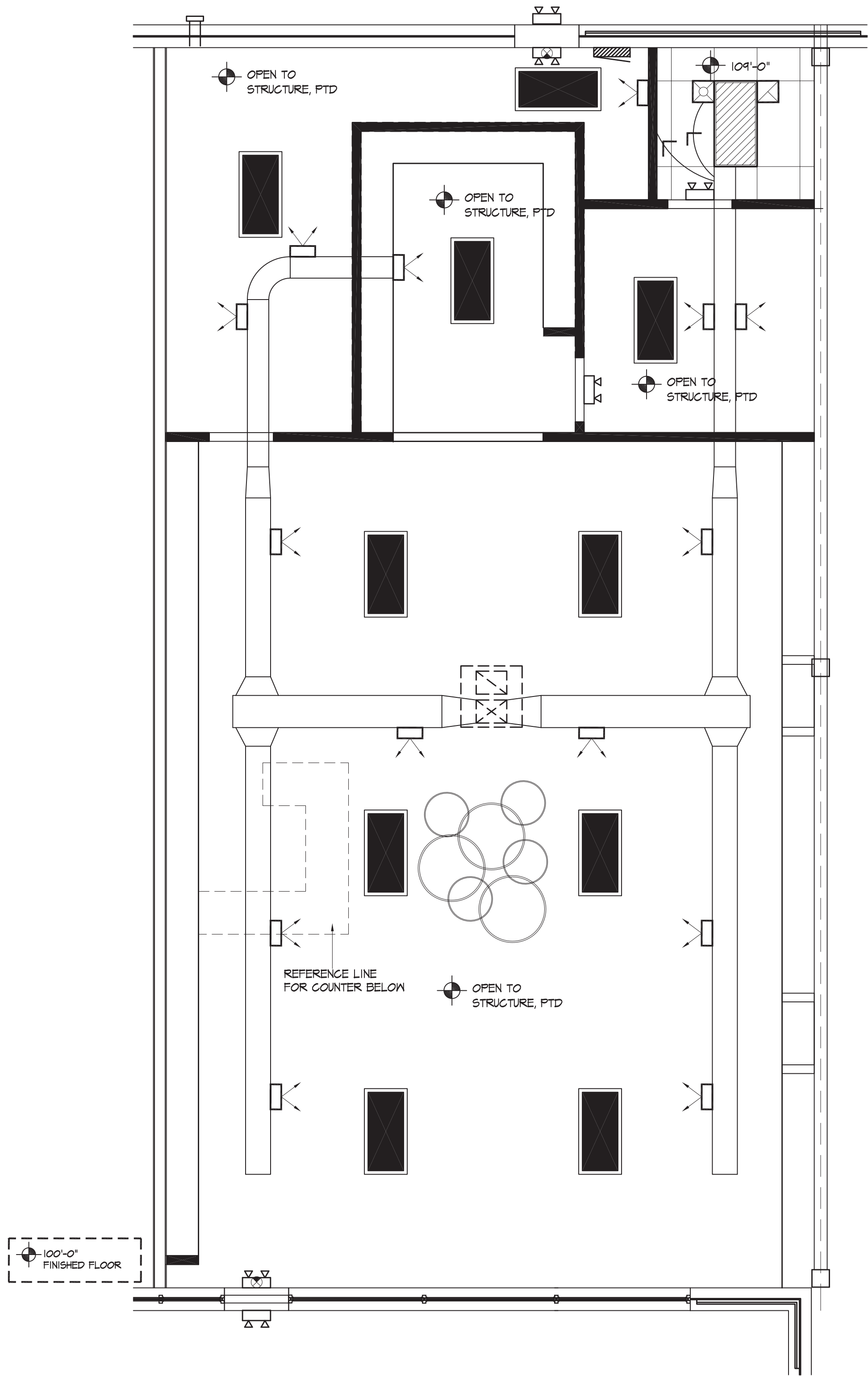
**DIMENSION
CONTROL PLAN
FLOOR FINISH**

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JOB NO. SHEET



LEGEND		QUANTITY
	A LED- 2'X4' FLAT (48W)	1
	B LED- 2'X4' HIGH BAY (150W)	12
	C LED- CHANDELIER (8 BULBS- 100W)	1
	D EXIT LIGHT, 5 WATT LED & TWIN HEAD EMERGENCY LIGHT W/ BATTERY BACK UP, 120V	2
	E TWIN HEAD EMERGENCY LIGHT W/ BATTERY BACK UP, 120V	4

LEGEND- MECHANICAL	
	SUPPLY AIR GRILL
	RETURN AIR GRILL
	EXHAUST FAN



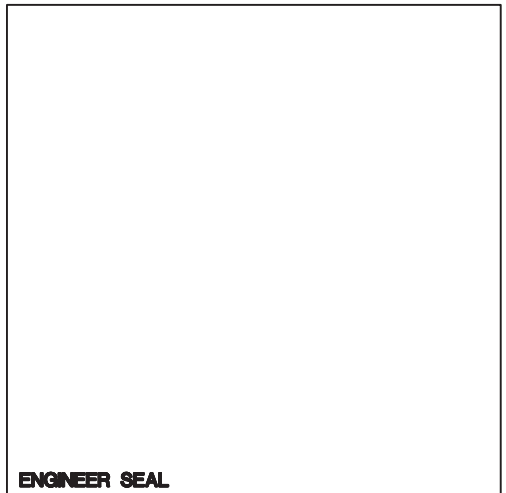
NOTES: PROVIDE VINYL FACED CEILING TILE AT ANY WET AREA AND FOOD PREPARATION AREA
PROVIDE OIL BASED ENAMEL PAINT AT GYP. CEILING AT FOOD HANDLING AREA

01 REFLECTED CEILING PLAN

1/4"=1'-0"



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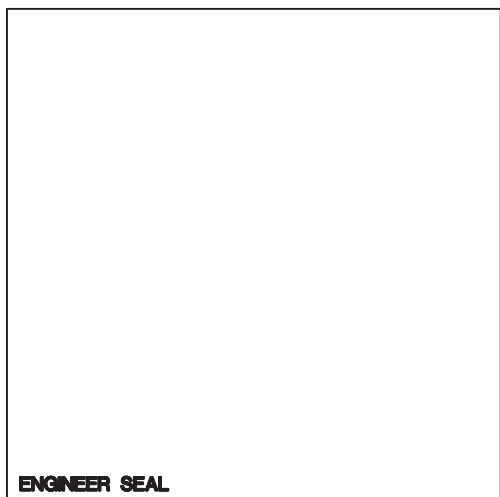
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RCP



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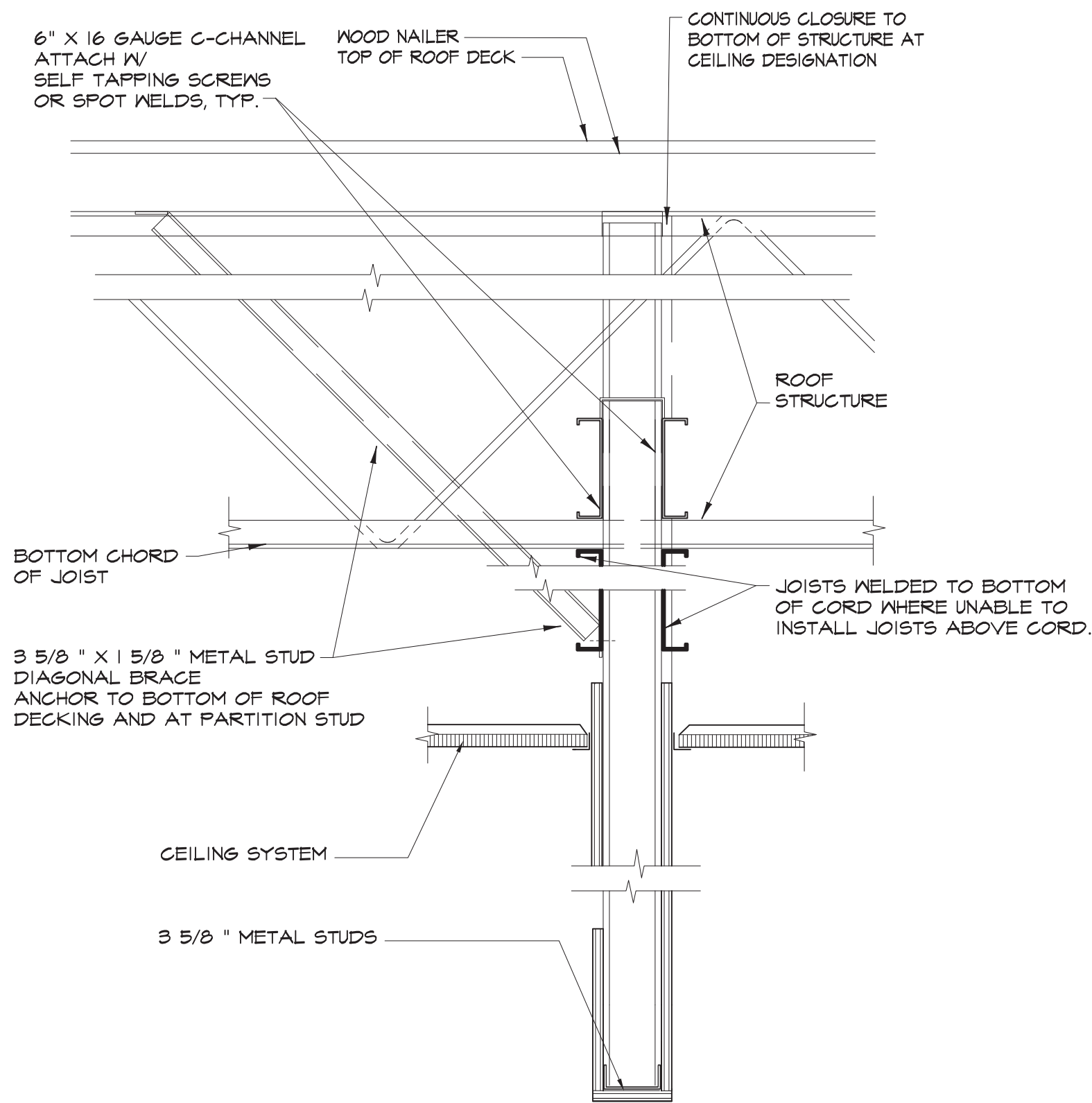
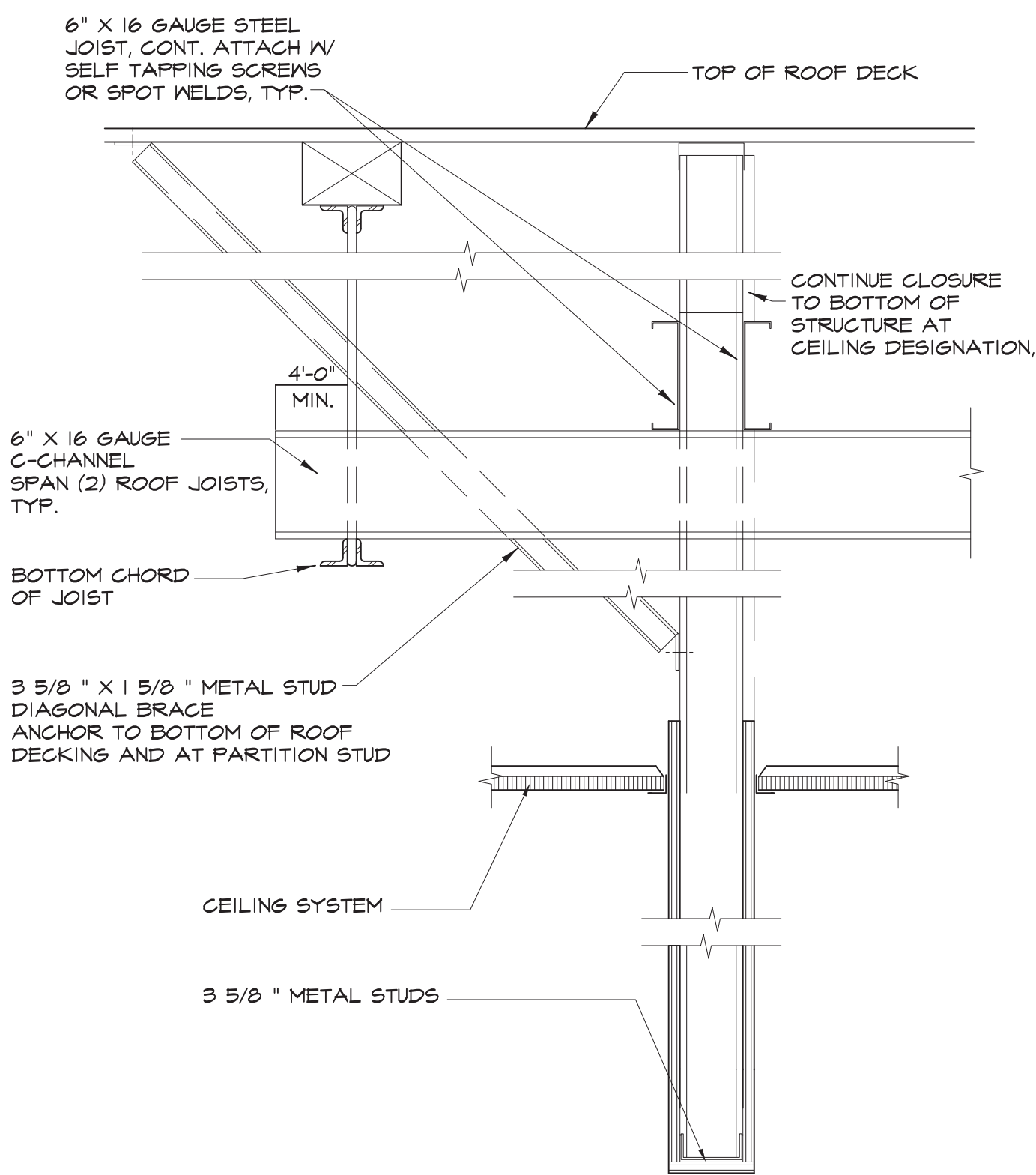
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CEILING
FURR DOWN
DETAIL

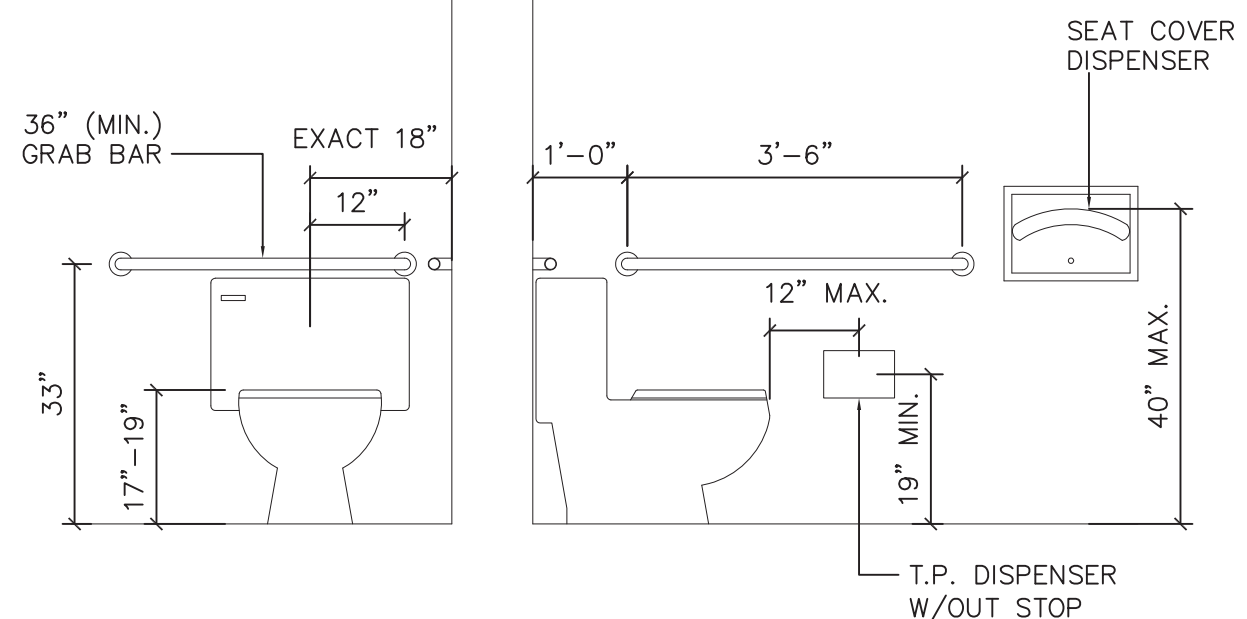
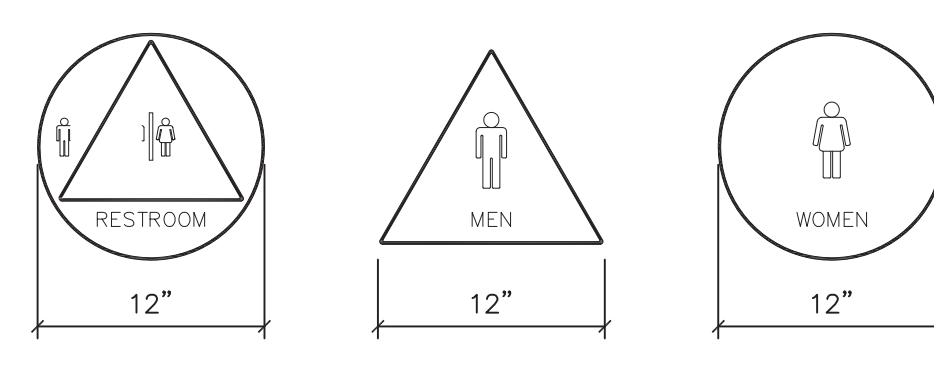
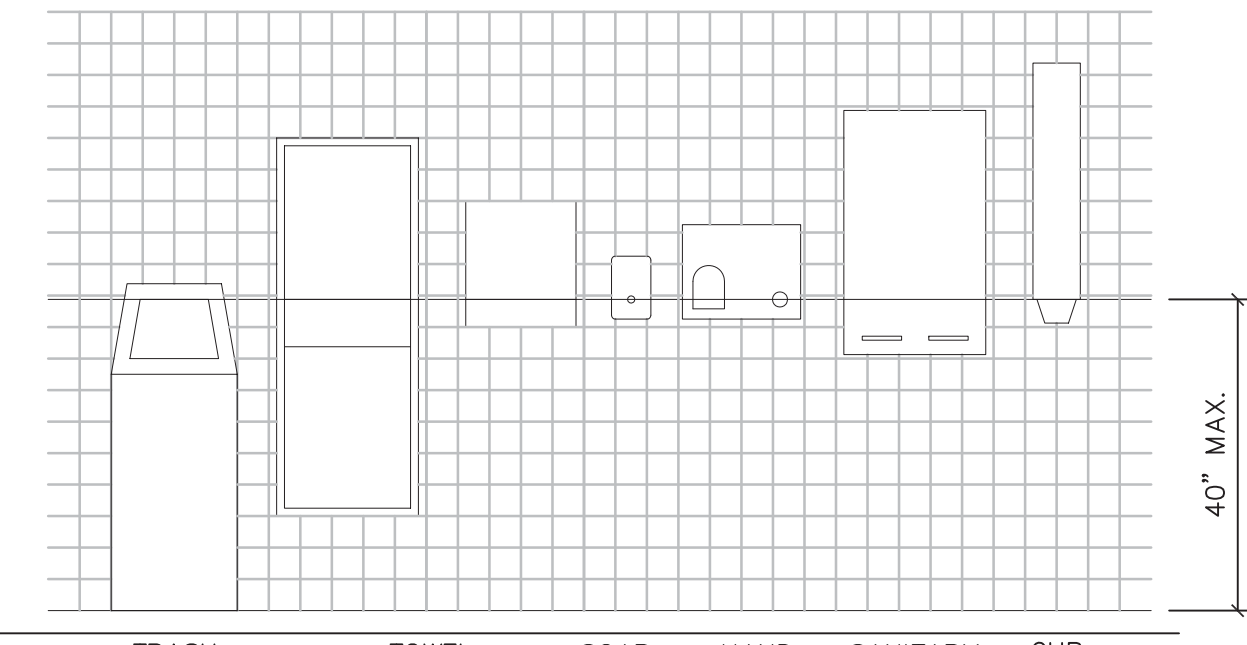
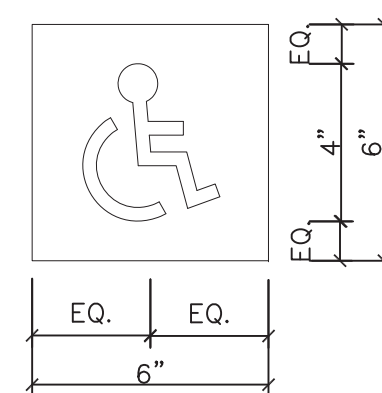
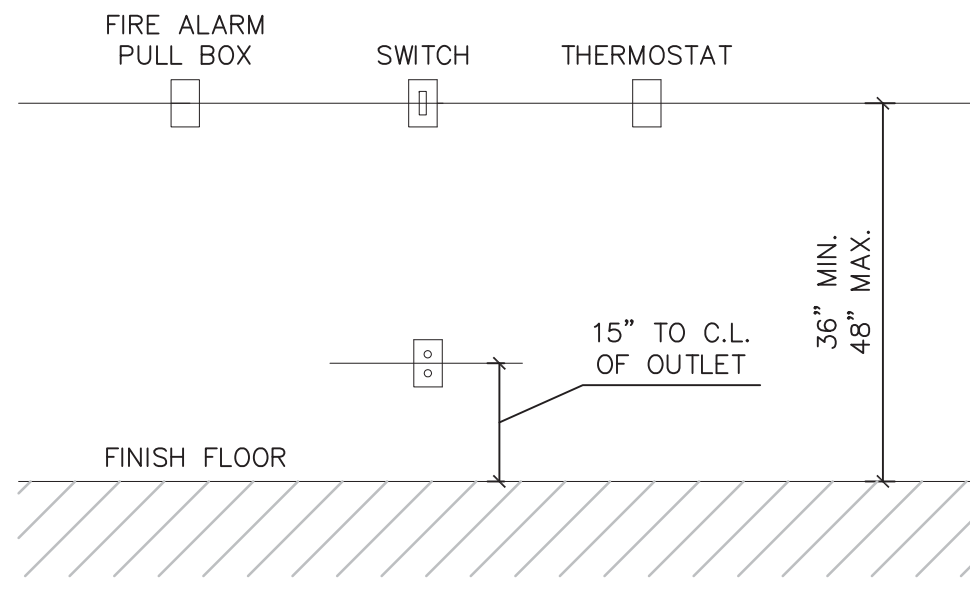
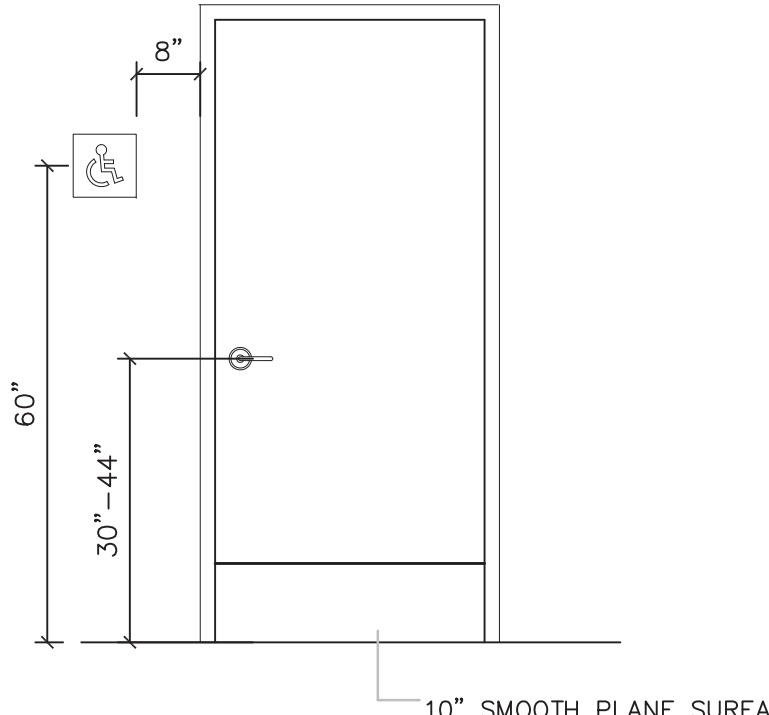
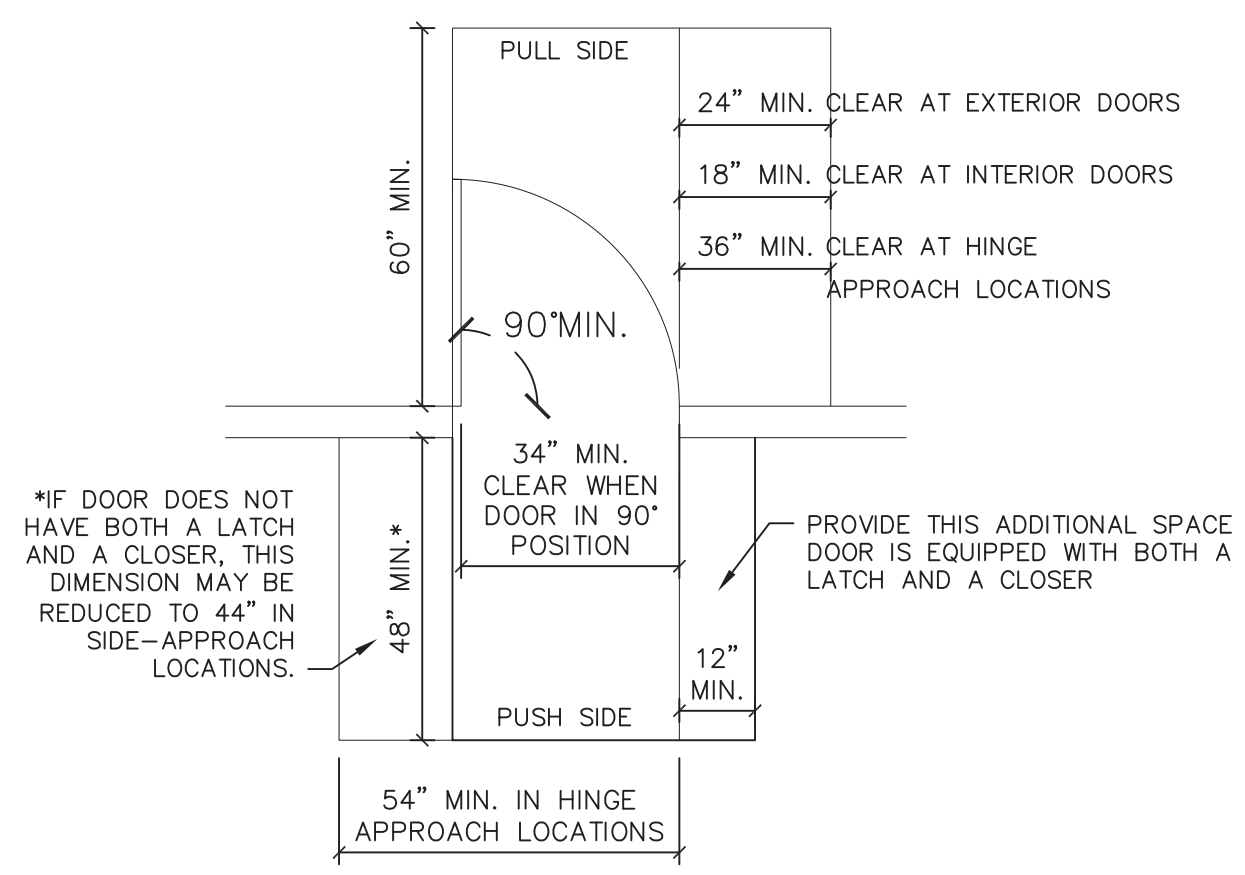
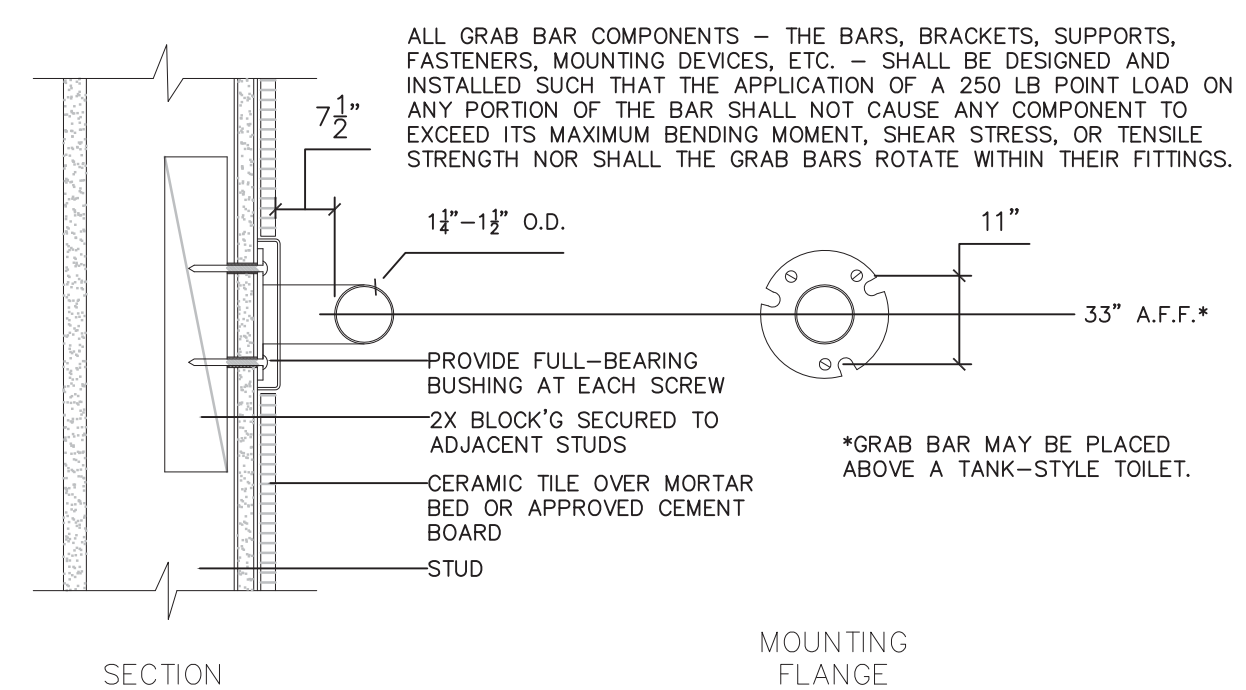
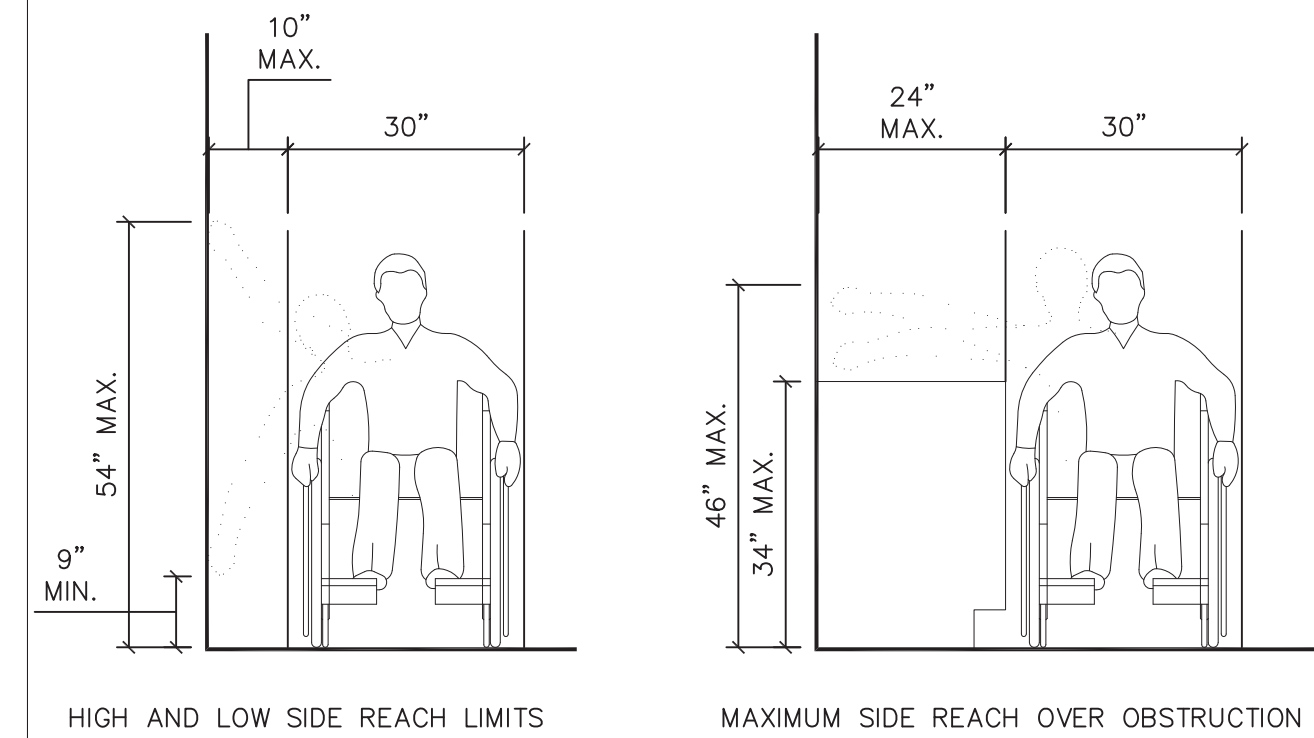
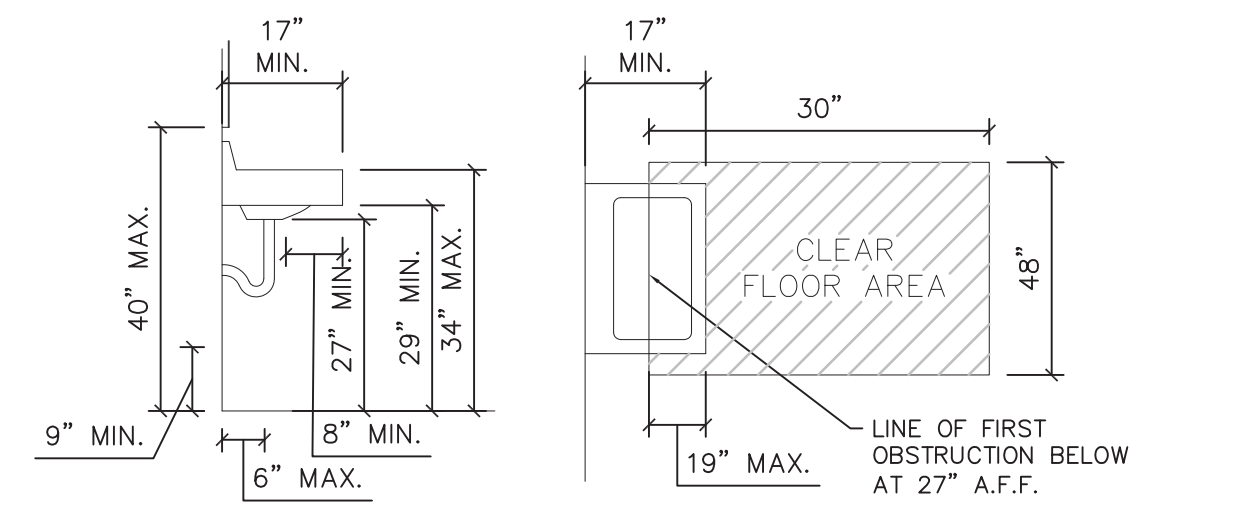
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JOB NO. SHEET

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01 CEILING FURR DOWN DETAILS

N.T.S.

			 NOTES: 1. REFER TO FLOOR PLANS FOR ADDITIONAL DIMENSIONS AND INFORMATION. 2. FLUSH VALVE MUST BE MOUNTED ON THE WIDE SIDE OF THE TOILET COMPARTMENT. 3. MAXIMUM PRESSURE TO OPERATE TOILET VALVE SHALL BE FIVE POUNDS. 4. GRAB BARS SHALL BE 250 POUND CAPACITY. 5. GRAB BARS & DISPENSERS TO BE STAINLESS STEEL U.N.O. 6. FLUSH HANDLE ON WIDE SIDE		 NOTES: 1. CENTER OF SIGNS SHALL BE MOUNTED AT 60" A.F.F. AT THE CENTERLINE OF THE DOOR. 2. ALL SIGNS SHALL BE CONSTRUCTED OF 1/4" THICK SOLID PLASTIC. UNISEX SIGN SHALL CONSIST OF A 1/4" THICK PLASTIC TRIANGLE MOUNTED ON A 1/2" THICK PLASTIC CIRCLE. see LACB 1117B.5			
			8	TOILET ACCESSORY HEIGHT	4	RESTROOM SIGNS		
				 NOTE: THIS DETAIL IS TO SHOW MAXIMUM ALLOWABLE HEIGHTS FOR ALL OPERABLE CONTROLS OF THE ACCESSORY TO BE INSTALLED. SEE INTERIOR ELEVATIONS FOR ANY ADDITIONAL INFORMATION AND DIMENSIONS.		 NOTE: DECAL FOR STOREFRONT ENTRY. USE INTERNATIONAL SYMBOL OF ACCESSIBILITY WHITE FIGURE ON A BLUE BACKGROUND. MOUNT @ +/- 36" ABOVE EXTERIOR GRADE GRADE ON GLASS ADJACENT TO DOOR THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE ROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT.		
			7	TOILET FACILITIES	3	HANDICAPPED SIGNS		
		 NOTE: THIS DETAIL IS TO SHOW MINIMUM AND MAXIMUM ALLOWABLE HEIGHTS. SEE INTERIOR ELEVATIONS FOR ANY ADDITIONAL INFORMATION AND DIMENSIONS.		NOTES: 1. CENTER OF SIGNS SHALL BE MOUNTED AT 60" A.F.F. AT THE CENTERLINE OF THE DOOR. 2. ALL SIGNS SHALL BE CONSTRUCTED OF 1/4" THICK SOLID PLASTIC. UNISEX SIGN SHALL CONSIST OF A 1/4" THICK PLASTIC TRIANGLE MOUNTED ON A 1/2" THICK PLASTIC CIRCLE. see LACB 1117B.5 3. DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH-PULL TYPE. 4. MOUNTED 30" TO 44" ABOVE THE FLOOR SHOW DETAILS ON PLAN. 		 *IF DOOR DOES NOT HAVE BOTH A LATCH AND A CLOSER, THIS DIMENSION MAY BE REDUCED TO 44" IN SIDE-APPROACH LOCATIONS. PROVIDE THIS ADDITIONAL SPACE IF DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER		
		10	CONTORL, SWITCH, OUTLET HTS,	6	H/C DOOR TYP.	2	CLEAR FLOOR AREA AT DOOR	
		 ALL GRAB BAR COMPONENTS – THE BARS, BRACKETS, SUPPORTS, FASTENERS, MOUNTING DEVICES, ETC. – SHALL BE DESIGNED AND INSTALLED SUCH THAT THE APPLICATION OF A 250 LB POINT LOAD ON ANY PORTION OF THE BAR SHALL NOT CAUSE ANY COMPONENT TO EXCEED ITS MAXIMUM BENDING MOMENT, SHEAR STRESS, OR TENSILE STRENGTH NOR SHALL THE GRAB BARS ROTATE WITHIN THEIR FITTINGS. PROVIDE FULL-BEARING BUSHING AT EACH SCREW 2X BLOCK/G SECURED TO ADJACENT STUDS CERAMIC TILE OVER MORTAR BED OR APPROVED CEMENT BOARD STUD *GRAB BAR MAY BE PLACED ABOVE A TANK-STYLE TOILET. SECTION MOUNTING FLANGE		 HIGH AND LOW SIDE REACH LIMITS MAXIMUM SIDE REACH OVER OBSTRUCTION		 NOTES: 1. HOT WATER DRAIN PIPES TO BE INSULATED AND/OR PROTECTED FROM TOUCH. 2. FAUCET CONTROLS SHAL BE LEVER TYPE WITH MAXIMUM OPERATING FORCE OF 5 POUNDS 3. SELF CLOSING VALVES SHALL REMAIN OPEN A MINIMUM OF 10 SECONDS 4. REFER TO FLOOR PLANS FOR ADDITIONAL DIMENSIONS AND INFORMATION. SIDE VIEW PLAN VIEW		
		9	GRAB BAR DETAIL	5	WHEELCHAIR SIDE REACH LIMITS	1	LAVATORIES	

BEAR DESIGN BUILD

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DALLAS, TEXAS 75234
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FAX) 972-247-4477

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REGISTERED ARCHITECT
JAMES T. ROHR
17401
10/24/2020
ARCHITECT SEAL

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BEAR DESIGN BUILD



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STATE OF TEXAS


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ADA DETAILS

ELECTRICAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ADOPTED BY THE CITY AND LOCAL CODE.
2. ALL ELECTRICAL WIRING, BUSSING SHALL BE COPPER, NO ALUMINUM CONDUCTORS WILL BE ALLOWED.
3. CONTRACTOR SHALL CONTACT LOCAL POWER AUTHORITIES AND ARRANGE FOR A ELECTRICAL SERVICE.
4. ELECTRICAL CONTRACTOR SHALL PAY ALL UTILITY COMPANY CHARGES, PERMIT FEES & INSPECTION FEES AND SECURE ALL NECESSARY BUILDING PERMITS & INSPECTIONS REQUIRED.
5. PROVIDE ALL POWER & CONTROL WIRES, CONDUITS & OUTLETS TO RENDER MECHANICAL & PLUMBING SYSTEMS COMPLETE & OPERATIVE.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LIGHT FIXTURES WITH LAMPS & DIFFUSERS. PROVIDE SUPPORT WITH ACCESSORIES REQUIRED.
7. PROVIDE TELEPHONE SERVICE & INDIVIDUAL PHONE CONDUIT PER TELEPHONE COMPANY REQUIREMENTS AND ELECTRICAL DRAWINGS.

LEGEND

GFI	GROUND FAULT CIRCUIT INTERRUPTER
	DUPLEX RECEPTACLE, SINGLE PHASE 110V
	QUADPLEX RECEPTACLE
	RECEPTACLE, 220 V
	SINGLE POLE TOGGLE SWITCH
	JUNCTION BOX
	DISCONNECT SWITCH
	ELECTRICAL BOARD
	FLOOR DRAINAGE
	FLOOR SINK
	DATA/ TELEPHONE OUTLET

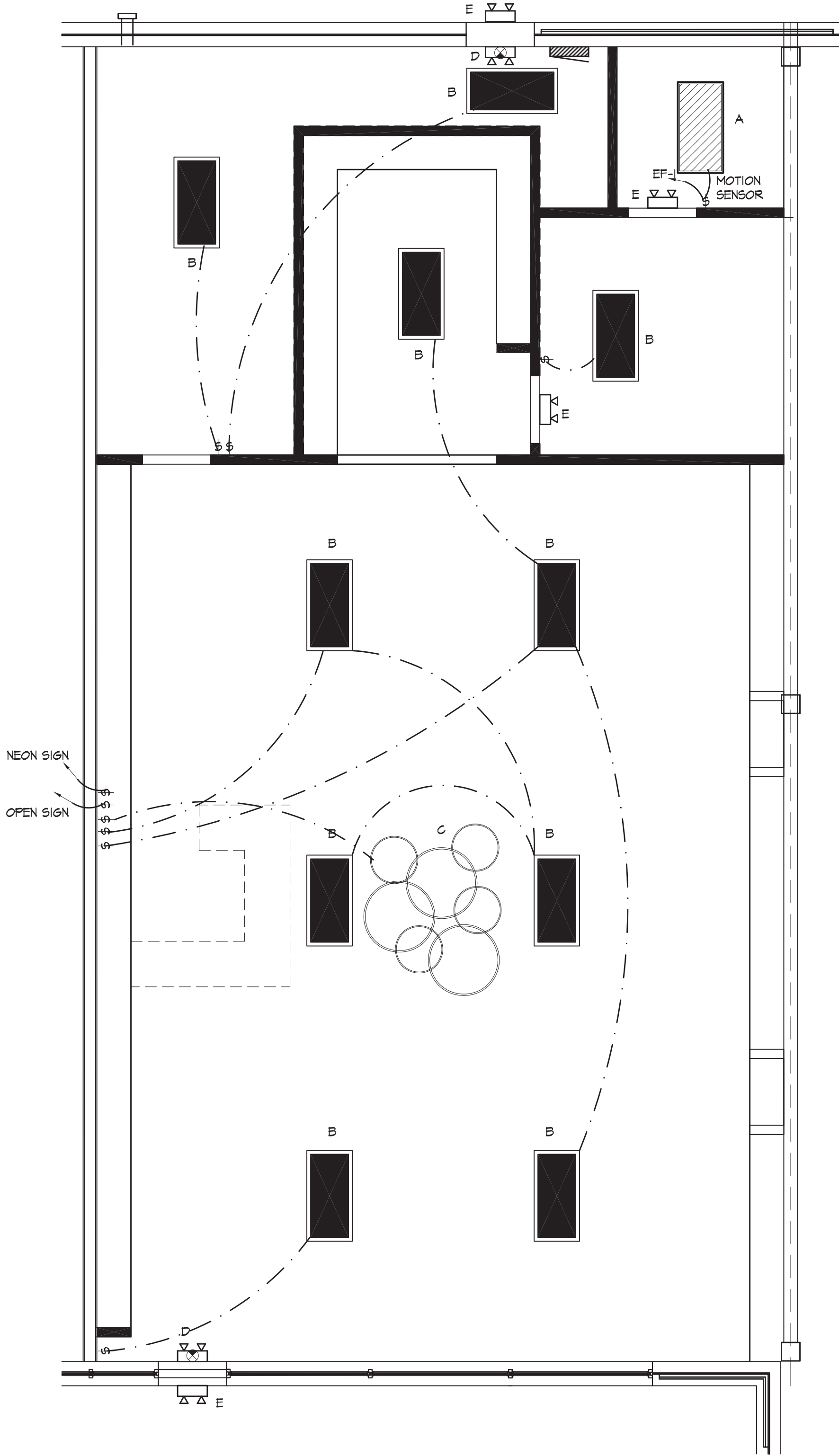
NOTES: ALL OUTLETS AT ANY WET AREA SHALL BE GFCI
THERE MUST BE ABSOLUTELY NO EXPOSED ELECTRICAL CONDUIT ANYWHERE WITHIN THE ESTABLISHMENT.
ALL ELECTRICAL CONDUIT AND SERVICE MUST BE INSTALLED TO BE CONCEALED WITHIN THE FINISH WALLS,
AND PENETRATE ONLY AT THE POINT OF CONNECTION TO THE EQUIPMENT THAT IT SERVES.
ALL OF THE ABOVE CONDITIONS APPLY TO AND INCLUDE ALL POS LINES, FIRE ALARM, AND FIRE EXTINGUISHER CONDUIT INSTALLATION

02 POWER PLAN

1/4"=1'-0"

LEGEND

	A LED- 2'X4' FLAT (48W)	QUANTITY	1
	B LED- 2'X4' HIGH BAY (150W)		12
	C LED- CHANDLIER (8 BULBS- 100W)		1
	D EXIT LIGHT, 5 WATT LED & TWIN HEAD EMERGENCY LIGHT W/ BATTERY BACK UP, 120V		2
	E TWIN HEAD EMERGENCY LIGHT W/ BATTERY BACK UP, 120V		4



NOTES: FLEXIBLE CORDS FOR THE CONNECTION OF APPLIANCES
SHOULD COMPLY WITH LOCAL CODES
PROVIDE BI-LEVEL SWITCHES AND TENDOM WIRING PER CODE.

01 LIGHTING PLAN

1/4"=1'-0"



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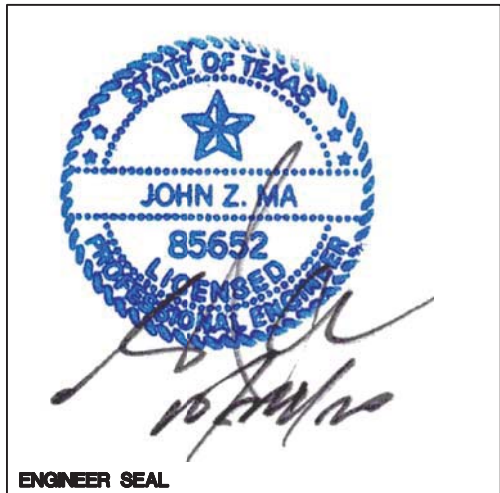
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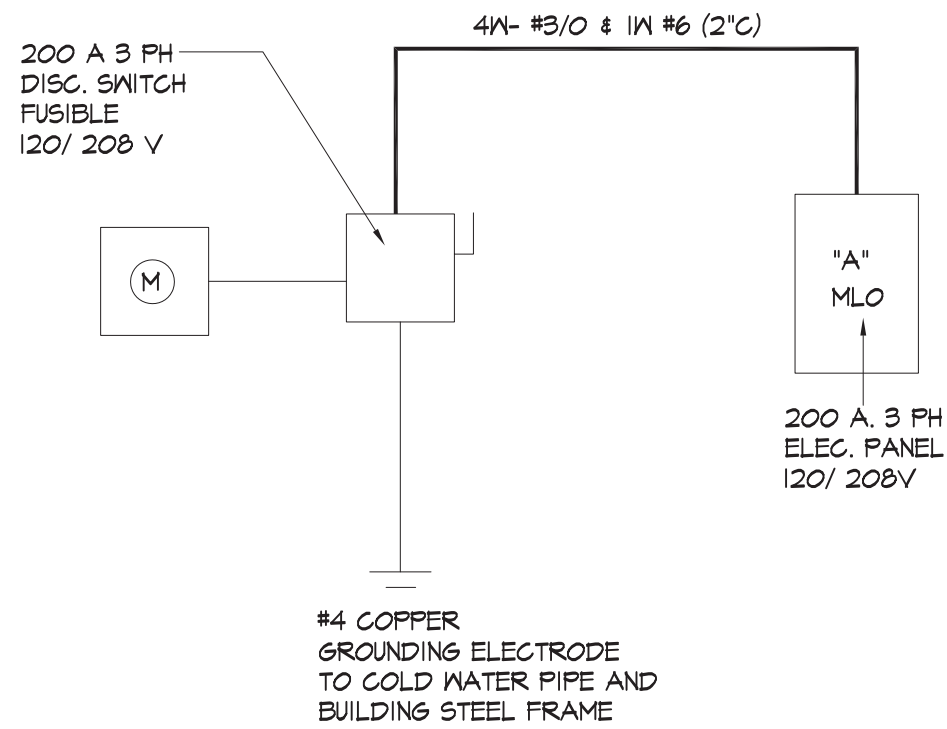


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PANEL A													
120/208 VOLT, 3 PHASE, 4 WIRE BUS RATING 200A, AIC RATING 10,000													
☐ M.C.B. ☒ M.L.O. ☐ SURFACE MNT. ☒ FLUSH MNT.													
CKT NO.	WIRE SIZE	SERVES	TRIP	PHASE A		PHASE B		PHASE C		TRIP	SERVES	WIRE SIZE	CKT NO.
1	#6	RTU-1	60/3	6000	1000					20	RECEPTACLES	#12	2
3						6000	1000			20	RECEPTACLES	#12	4
5								6000	1000	20	RECEPTACLES	#12	6
7	#12	RECEPTACLES	20	1000	1000					20	LIGHT	#12	8
9	#12	RECEPTACLES	20			1000	1000			20	LIGHT	#12	10
11	#12	RECEPTACLES	20					1000	1000	20	LIGHT/ EF	#12	12
13	#12	RECEPTACLES	20	1000	1000					20	RECEPTACLES		14
15	#12	RECEPTACLES	20			1000	1000			20	RECEPTACLES		16
17	#12	RECEPTACLES	20					1000	1000	20	RECEPTACLES		18
19	#12	RECEPTACLES	20	1000	1000					20	RECEPTACLES		20
21	#12	RECEPTACLES	20			1000	1000			20	RECEPTACLES		22
23	#12	RECEPTACLES						1000	1000	20	RECEPTACLES		24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
				13000		13000		13000					
				TOTAL CONNECTED LOAD= 34000 VA/ (1.73X208)= 108 A									

LOAD CLASS	LOAD TYPE	CONNECTED	MINIMUM REQUIRED (NEC)	D.F.	DEMAND
1	LIGHTING	3000		1.25	3750
2	RECEPTACLES	18000		NEC	18000
3	KITCHEN	---		0.65	---
4	OTHER	18000		1	18000
TOTAL VA		34000			34750
TOTAL CURRENT (A)		108			110

NOTES: CONTRACTOR SHALL CONFIRM CIRCUIT BREAKER SIZE & PHASE OF ALL KITCEHN AND ROOF EQUIPMENT WITH MANUFACTURER'S SPECIFICATION PRIOR TO INSTALLATION

MECHANICAL EQUIPMENT SCHEDULE

1. EF-1: RESTROOM EXHAUST FAN, 75 CFM, CEILING MOUNT.
2. RTU-1: 7.5 TON ROOF TOP AIR CONDITIONER W/ ROOF CURB 208V/ 3 PHASE. ELECT. HEATING.

MECHANICAL NOTES

1. ALL MECHANICAL WORK SHALL CONFORM WITH MOST CURRENT EDITION OF THE MECHANICAL CODE AND LOCAL CODE.
2. ALL DUCTWORK SHALL BE CONFORM TO S.M.A.C.N.A. STANDARDS.
3. SUPPLY AND RETURN AIR DUCTWORK TO BE OF RIGID SHEET METAL CONSTRUCTION WRAPPED WITH 1 1/2" THICK FIBERGLASS INSULATION EXCEPT FINAL CONNECTION INSULATED FLEXIBLE DUCT.
4. FINAL CONNECTIONS TO ALL GRILLS, REGISTERES AND DIFFUSERS TO BE A MAXIMUM 6" INSULATED CEILING PLAN AND LIGHTING PLAN.
5. THE LOCATION OF ALL CEILING DIFFUSERS, GRILLS AND REGISTERES SHALL BE COORDINATED WITH THE REFLECTED CEILING PLAN AND LIGHTING PLAN
6. THERMOSTAT SHALL HAVE 5 DEG. F DEADBAND, SETBACK TO 55 DEG. F (HEAT) AND 85 DEG. F (COOL); T-DAY CLOCK, 2 HOUR OCCUPANT OVERRIDE, IO-BACK UP
8. PROVIDE MINIMUM R-8 INSULATION FOR SUPPLY AND RETURN AIR DUCTS.
9. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK MUST BE SECURELY SEALED.
10. MECHANICAL FASTENERS AND SEALS, MASTICS, OR GASKETS MUST BE USED WHEN CONNECTING DUCTS TO FANS AND OTHER AIR DISTRIBUTION EQUIPMENT.
11. CONTRACTOR SHALL PROVIDE THE OWNER A COPY OF OPERATION AND MAINTENANCE MANUAL ON ALL MECHANICAL EQUIPMENT.
12. EACH SUPPLY AIR DIFFUSER & RETURN GRILLS SHALL HAVE ADJUSTABLE DAMPER FOR ITS OWN AIR BALANCE. MECHANICAL CONTRACTOR SHALL PROVIDE AIR BALANCE REPORT FOR EACH A/C SYSTEM.
13. PROVIDE SUPPORTS FOR EACH EXHAUST FAN WITH VIBRATION ISOLATORS TO STRUCTURE.
14. PROVIDE SMOKE DETECTORS IN SUPPLY & RETURN DUCTS OF EACH ROOF TOP A/C UNIT.
15. BALANCING DAMPERS TO BE INSTALLED IN ALL BRANCH TAKE OFF'S. ALL DAMPERS TO HAVE LOCKING QUADRANTS.

TYPICAL MAIN DUCT SIZE:

TYPICAL MAIN DUCT SIZE VS. CFM @ 0.08/800 FOOT:	
6"	180 CFM
8"	275 CFM
10" OR (10" X 8")	360 CFM
12" OR (12" X 10")	575 CFM
14" OR (12" X 12")	900 CFM
16" OR (14" X 14")	1300 CFM
18" OR (20" X 14")	1800 CFM
20" OR (24" X 14")	2,300 CFM
24" OR (24" X 20")	3,900 CFM
(24" X 18")	3,000 CFM
(24" X 24")	5,000 CFM
(30" X 18")	4,000 CFM
36" OR (36" X 30")	10,000 CFM

LEGEND

	2X2 LAY IN SUPPLY DIFFUSER
	CEILING EXHAUST GRILLE
	RAGR RETURN GRILL
	THERMOSTAT
	SMOKE DETECTOR

DIFFUSER/ REGISTER/ GRILL NOTES:

1. PROVIDE FACE PANEL, FRAME AND BORDER COMPATIBLE WITH BASE MOUNTING SURFACE.
2. PROVIDE NECK, BRANCH TAP & NECK ADAPTOR SIZED IN ACCORDANCE WITH THE FOLLOWINGS:
- | DIFFUSER CFM | NECK | BRANCH TAP | NECK ADAPTOR |
|--------------|---------|------------|----------------|
| UP TO 360 | 12"X12" | 8" DIA. | 12"X12" TO 8" |
| 380 TO 475 | 15"X15" | 12" DIA. | 15"X15" TO 12" |
| 480 TO 640 | 18"X18" | 14" DIA. | 18"X18" TO 14" |
3. PROVIDE ALUMINUM BORDER, BLADE AND ALUMINUM OPPOSED BLADE DAMPER

1. OUTDOOR AIR FLOW RATE IN BREATHING ZONE (Vbz)
= Rp (7.5)x Pz (43) + Ra (0.12)x Az (1850)= 544
2. ZONE OUTDOOR AIRFLOW (Voz)
= Vbz (544)/ Ez (0.8)= 680
3. OUTDOOR AIR INTAKE RATE (Vot)= Voz (680)

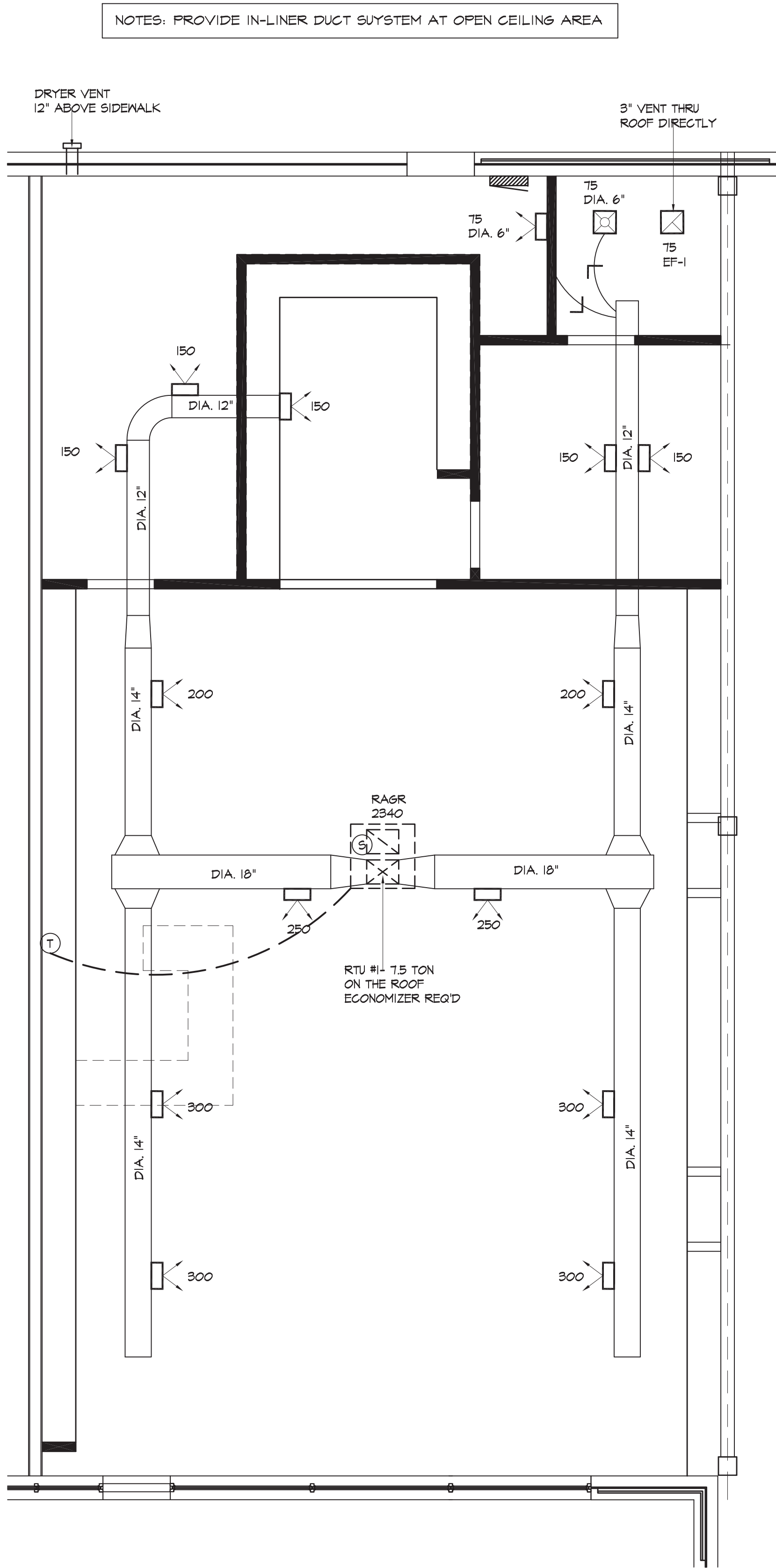
NOTES: FLEXIBLE AIR CONNECTORS SHALL BE LIMITED IN LENGTH TO MAX. 14' FROM RIGID DUCT TO AIR GRILLS PER 2018 IMC 603.6.2.1 CONTRACTOR SHALL VERIFY CITY ORDINANCE OR EXCEPTION FOR MAX. ALLOWABLE LENGTH OF FLEXIBLE AIR CONENCTOR PRIOR TO INSTALLATION

PROVIDE FIRE DAMPER WHEN A/C IS MORE THAN 2000 CFM PER CODE.

PROVIDE EXHAUST SYSTEM CAPABLE OF EXHAUSTING 70 CUBIC FEET OF AIR PER MINUTES FOR EACH WATER CLOSET INSTALLED IN THE RESTROOM.

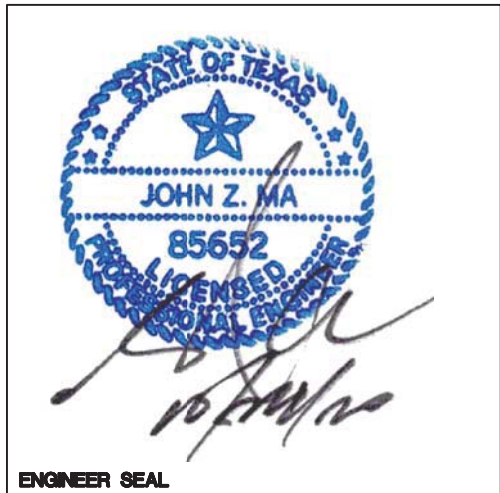
THIS SYSTEM SHALL BE CONNECTED DIRECTLY TO THE OUTSIDE.

01 MECHANICAL PLAN



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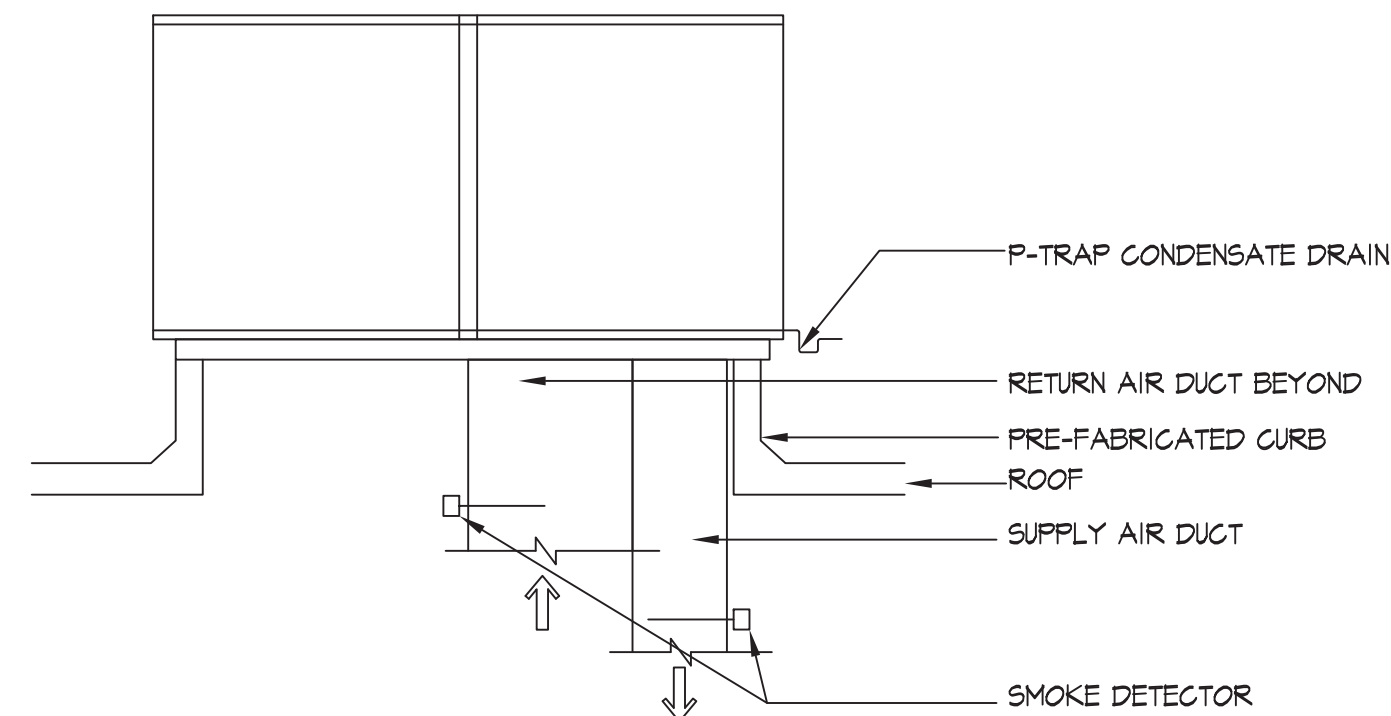
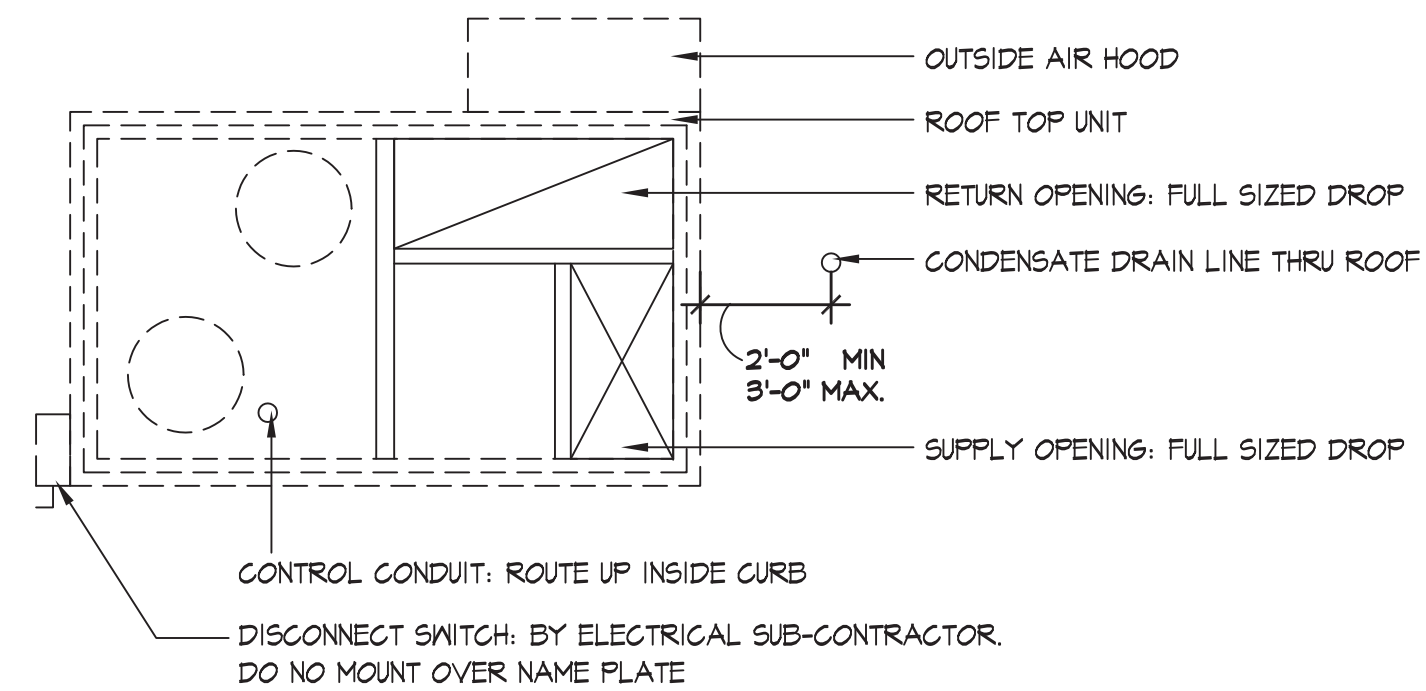
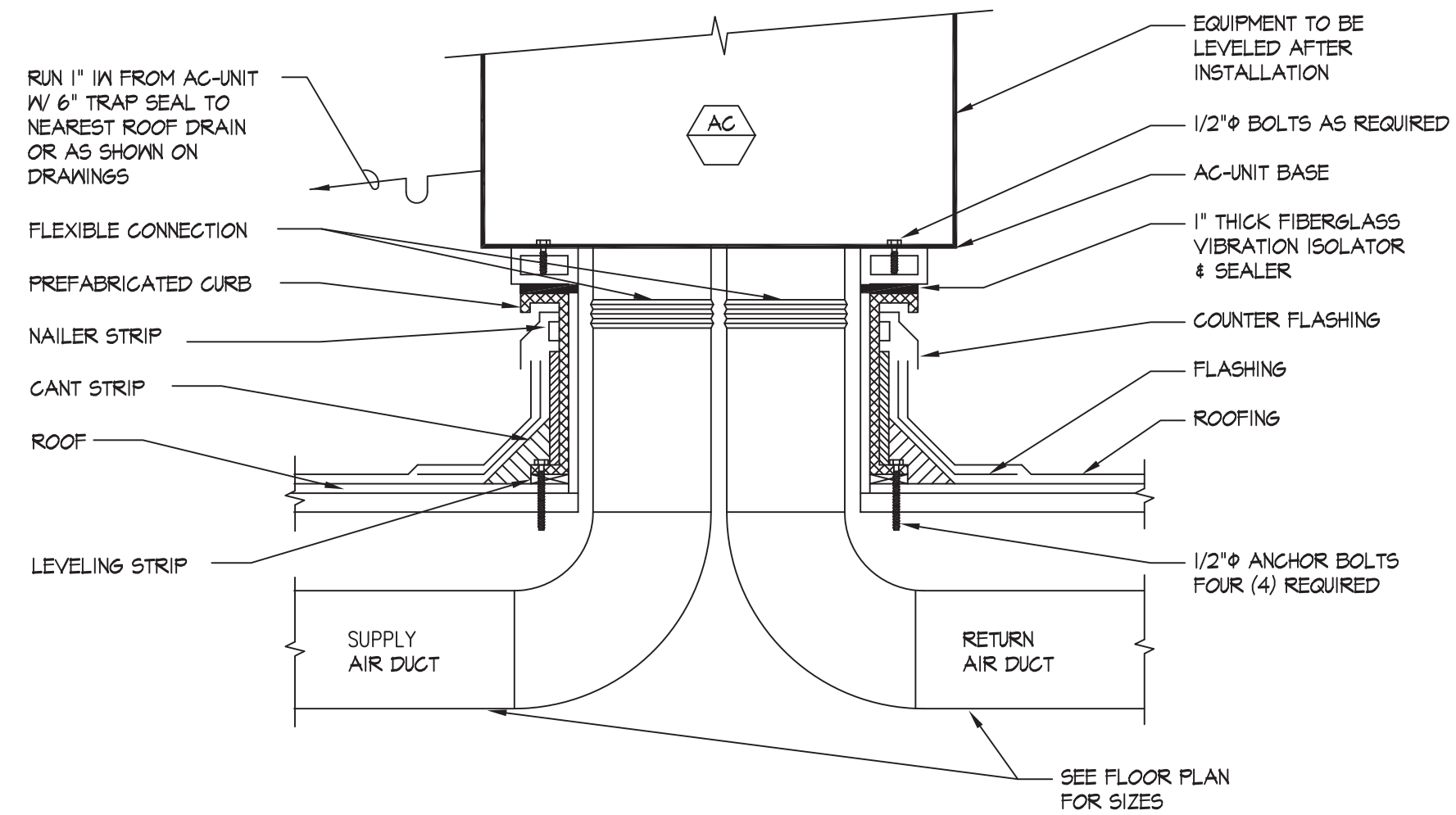
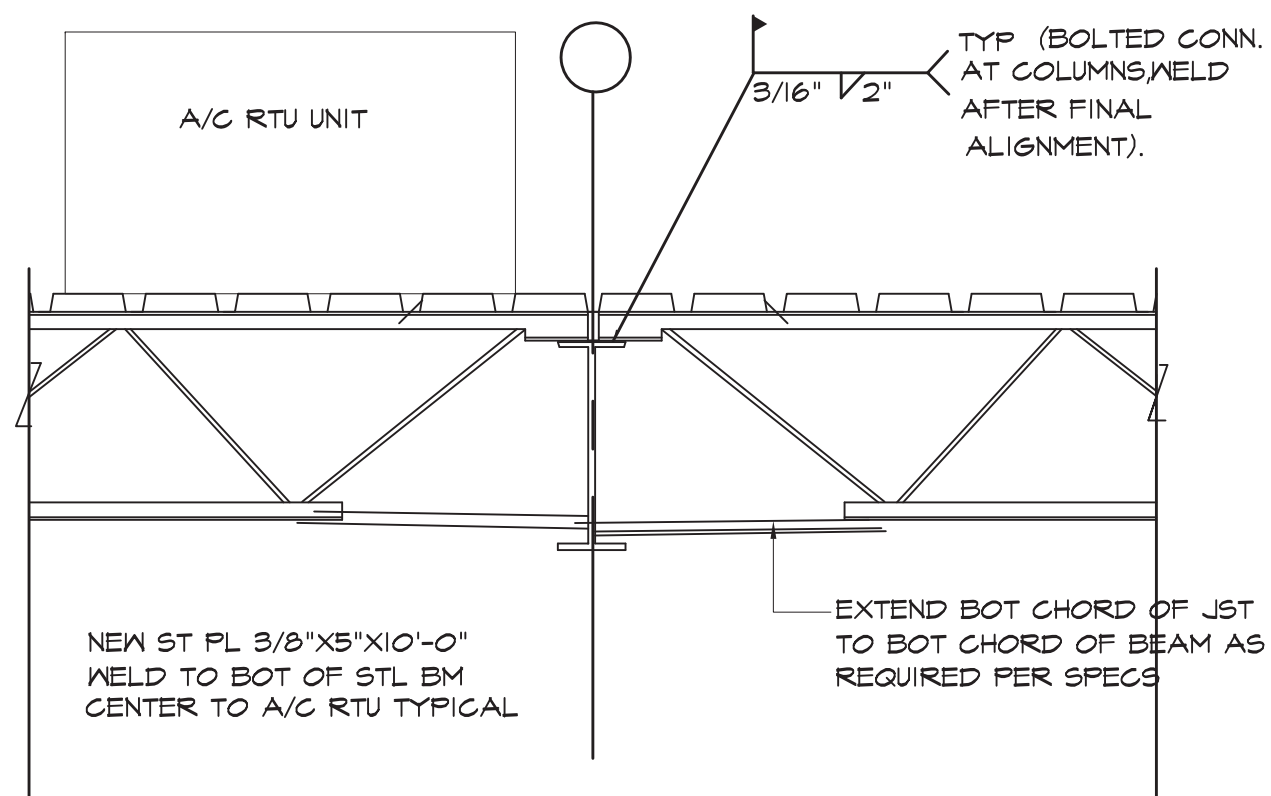
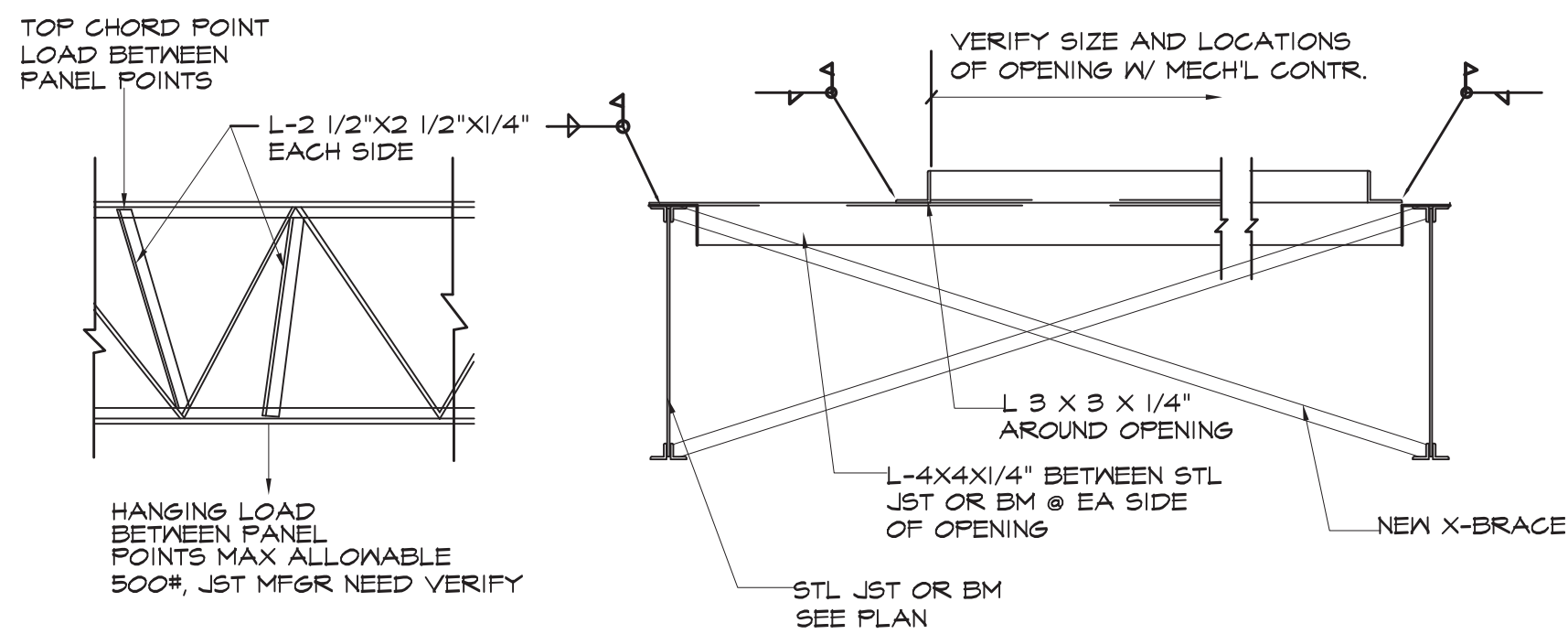
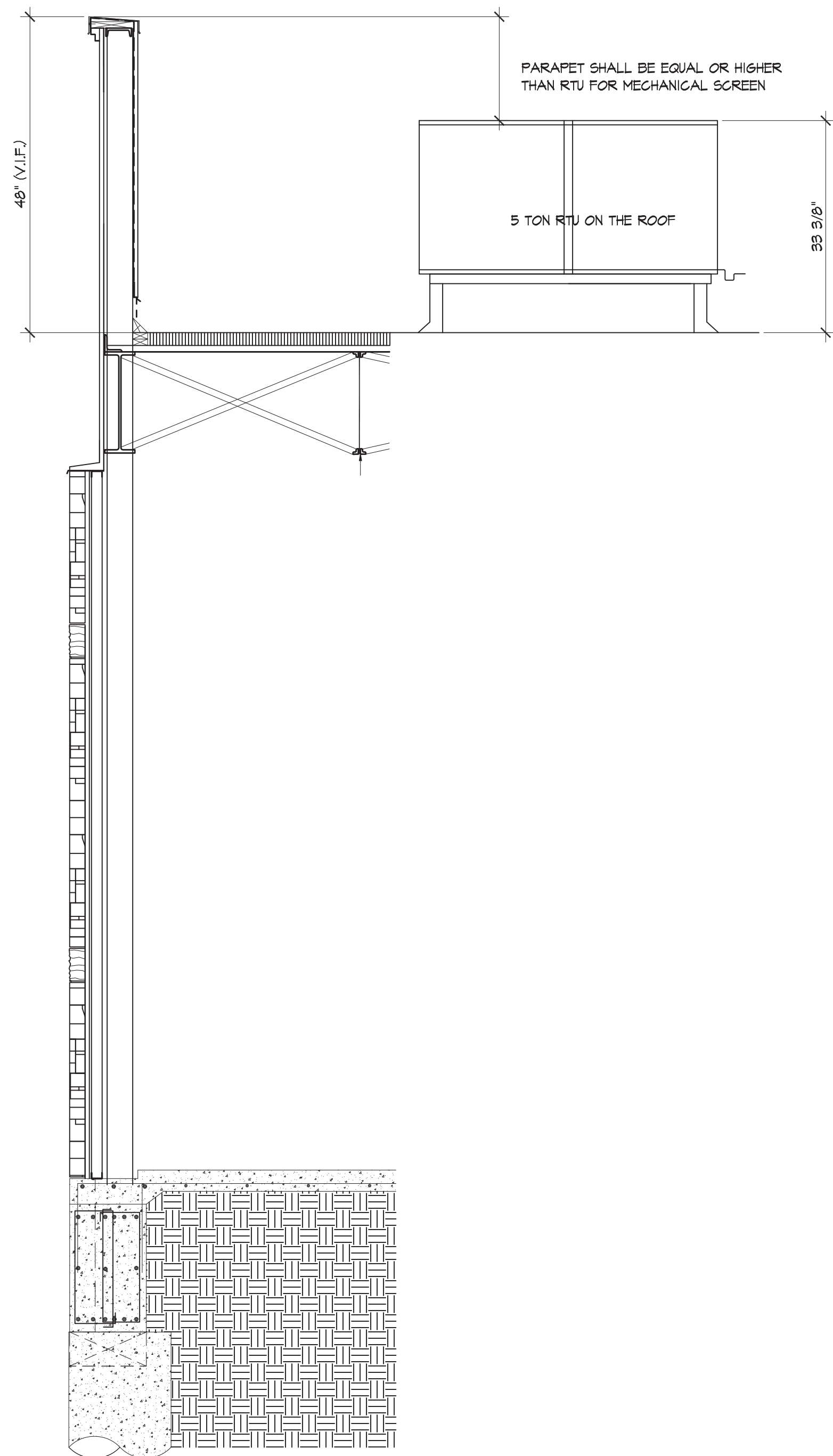


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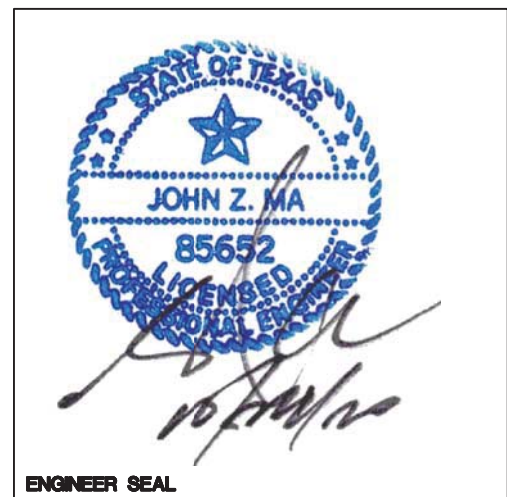
MECHANICAL

CARRIER	MODEL	WEIGHT	UNIT SIZE	CURB SIZE
5 TON	48 TC 06	564 LB	74 3/8"X 46 3/4"X 33 3/8"	5'-1 1/8" X 3'-1 3/16" X 14"
7.5 TON	48 TC 08	780 LB	88 1/8"X 54 1/2"X 41 1/4"	6'-1 1/16" X 4'-2 13/16" X 14"
10 TON	48 TC 12	940 LB	88 1/8"X 54 1/2"X 49 3/8"	6'-1 1/16" X 4'-2 13/16" X 14"



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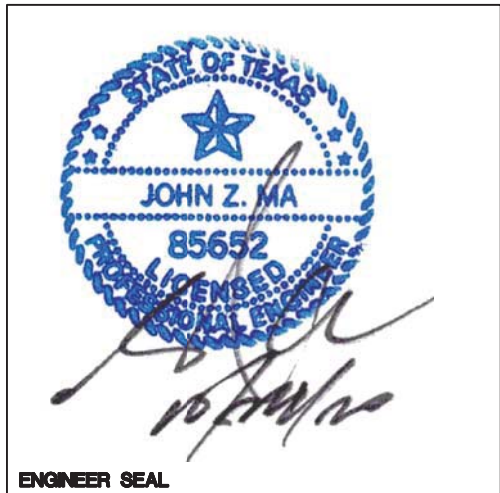
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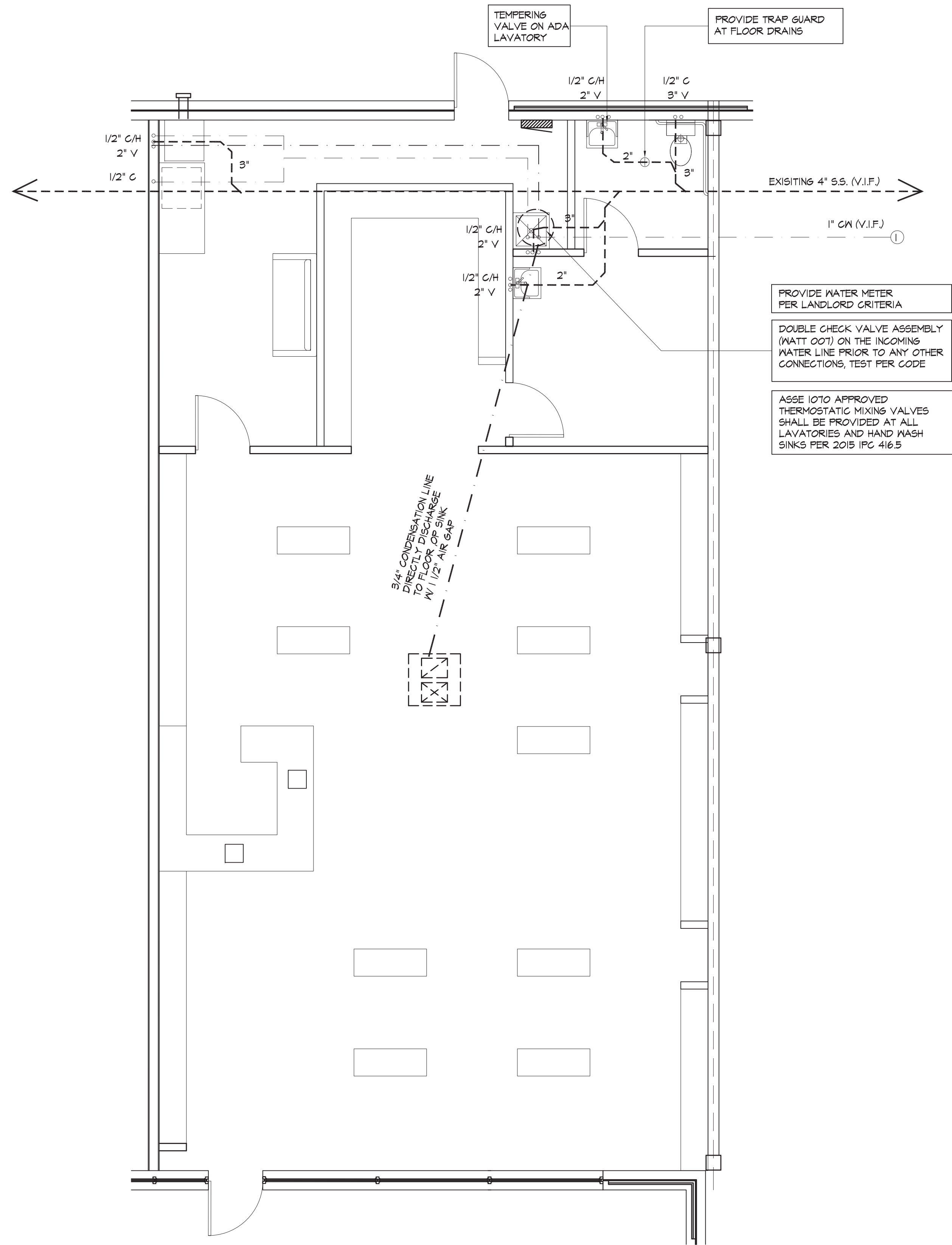


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PLUMBING



NOTES: PROVIDE EXP. TANK & VACCUME BREAKER VALVES AS SPECIFICATION
INDIRECT DRAINS WITH AIR GAPS AT FLOOR SINKS.
INSTALL SCREEN OR STRAINERS INSIDE ALL FLOOR SINK.
FOR WATER LINE, RPZ AS SPEC.
ALL FLOOR DRAINS MUST HAVE TRAP GURADS.

NOTES: THERE MUST BE ABSOLUTELY NO EXPOSED PLUMBING LINES ANYWHERE WITHIN THE ESTABLISHMENT.
ALL PLUMBING LINES AND SERVICE MUST BE INSTALLED TO BE CONCEALED WITHIN THE FINISH WALLS,
AND PENETRATE ONLY AT THE POINT OF CONNECTION TO THE EQUIPMENT THAT IT SERVES.
ANY PENETRATION THROUGH THE WALL, FLOOR, OR CEILING AT ALL PLUMBING WATER OR WASTE LINES
MUST BE SEALED AROUND THE PIPE FIRST, AND THEN THE ESCUTCHEON SEALED TO THE WALL.

PLUMBING KEY NOTES

- ① PROVIDE WATER SUPPLY LINE FROM BUILDING WARE, FIELD VERIFY.
PROVIDE BACKFLOW PREVENTOR IF/AS REQUIRED BY THE CITY.

PLUMBING NOTES

1. ALL PLUMBING WORKS AND MATERIALS ARE TO CONFORM WITH PLUMBING CODE, LOCAL AND STATE CODES.
2. PLUMBING CONTRACTOR SHALL VERIFY AVAILABILITY WITH LOCATIONS, SIZES OF SEWER, WATER, AND GAS.
3. PLUMBING CONTRACTOR SHALL MAKE ARRANGEMENT WITH THE UTILITY COMPANIES FOR SERVICE AND CONNECTIONS, PAY FOR ALL PERMITS, CONNECTION FEES, INSPECTION FEES AND METER CHARGES.
4. SOIL AND WASTE PIPING SHALL SLOPE AT 2% MINIMUM.
5. ALL VENTS AND FLUES SHALL CLEAR OUTSIDE AIR INTAKES OR OPENING BY MINIMUM OF 10'
6. PLUMBING CONTRACTOR SHALL MAKE & COMPLETE ROUGH IN ALL FINAL CONNECTION TO EQUIPMENT PROVIDED BY OTHERS REQUIRING PLUMBING CONNECTIONS.
7. PLUMBING CONTRACTOR SHALL PROVIDE FIXTURES, FAUCETS, TRAPS, STOPS, GATE VALVES, GLOBE VALVES, GAS COCKS, WATER HAMMER ARRESTERS, CLEANOUTS, INDIRECT WASTE PIPING, AND ALL NECESSARY TRIMS FOR A COMPLETE PLUMBING SYSTEM.
8. INSULATE ALL HOT & COLD WATER LINES ABOVE GRADE WITH 1" FIBERGLASS PIPE INSULATION, WITH VAPOR BARRIER.
9. PROVIDE GAS SUPPLY LINE FROM GAS METER.
10. VERIFY ALL FINAL CONNECTIONS TO EQUIPMENT WITH EQUIPMENT SUPPLIER. VERIFY ROUGH-IN REQUIREMENTS WITH SAME.
11. MATERIAL SHALL BE AS FOLLOWS:
- A. WATER PIPING TO BE "K" COPPER BELOW GRADE, TYPE "L" COPPER ABOVE GRADE.
- B. WASTE PIPING TO BE CAST IRON OR PVC IF ACCEPTED BY CITY.
- C. VENTS TO BE CAST IRON OR PVC IF ACCEPTED BY CITY.
- D. GAS PIPING TO BE SCHEDULE 40, BLACK STEEL PIPE. PROVIDE GAS SHUT-OFF VALVE TO EACH EQUIPMENT.
- E. CONDENSATE DRAIN PIPING TO BE COPPER OR CAST IRON, PROVIDE INSULATION FOR PIPING INSIDE BUILDING.
11. ALL INDIRECT WASTES EXCEEDING 24" IN LENGTH SHALL BE TRAPPED.
12. PROVIDE CLEANOUTS REQUIRED, AND AT THE BASE OF ALL STACKS.
13. ROUTE DRAIN LINES FROM HOT WATER HEATERS TO NEAR BY FLOOR SINK.
14. PROVIDE FIXTURE STOPS AT ALL PLUMBING FIXTURES.
15. HANDICAP PLUMBING FIXTURES SHALL BE INSULATED IN ACCORDANCE WITH THE ADA REQUIREMENTS & LOCAL STATE BARRIER FREE REQUIREMENT.
16. PROVIDE 1 1/2" WATER SUPPLY LINE FROM BUILDING WATER, PROVIDE WATER BACKFLOW PREVENTOR PER CITY.

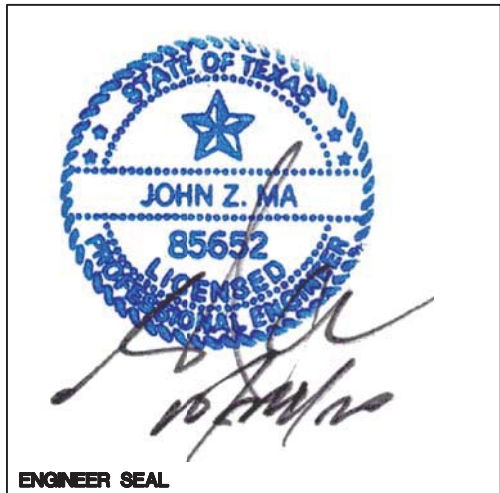
FIXTURE UNIT (F.U.)					
NU.	FIXTURE	(F.U.) FACTOR	UNIT	TOTAL	REMARK
1	TOILET	5	1	5	
2	HAND SINK	3	2	6	
3	PREP. SINK	3	0	0	
4	3 COMP. SINK	4	0	0	
5	MOP SINK	3	1	3	
6	SHAMPOO	3	0	0	
7	URINAL	5	0	0	
8	WASHER	2	1	2	
9	DRINING FOUNTAIN	0.25	N/A	N/A	
	TOTAL F.U.			16	
	GPM			12	MIN. 3/4" CN, 3/4" HW REQ'D

DRAINAGE FIXTURE UNIT (DFU)					
NU.	FIXTURE	(F.U.) FACTOR	UNIT	TOTAL	REMARK
1	TOILET	4	1	4	
2	HAND SINK	1	2	2	
3	PREP. SINK	2	0	0	
4	3 COMP. SINK	2	0	0	
5	MOP SINK	2	1	2	
6	SHAMPOO	2	0	0	
7	URINAL	4	0	0	
8	F.D/ P.S	2	1	2	
9	DRINING FOUNTAIN	0.25	N/A	N/A	
10	WASHER	2	1	2	
	TOTAL DFU			12	
	PIPE SIZE			3"	MIN. 3" SEWER LINE REQ'D



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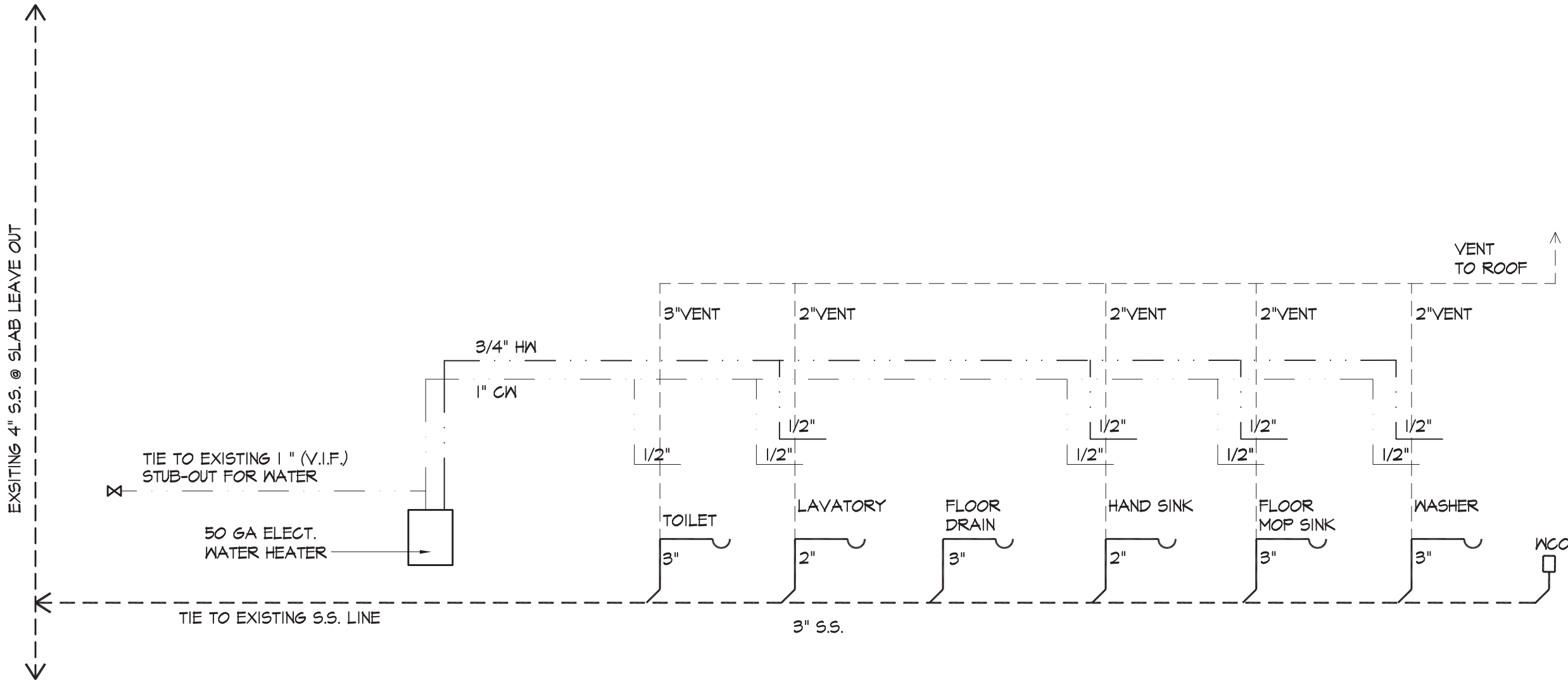


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PLUMBING
DETAILS



The 131 Series Mixing Valve

Easy Installation
Durable mounting bracket secures the valve to the wall and prevents strain on the supply lines

Easy Maintenance
One-piece replaceable cartridge includes an integrated screen filter

Convenience
Sturdy, vandal-resistant handle enables precise control and prevents tampering

Durability
Heavy-duty, cast brass valve body is backed by an industry leading, lifetime limited warranty

Easy Installation
3/8" compression connections fit standard supply lines

Reliable Operation
Dual check valves protect against cross-flow

BUY AMERICAN ACT CERTIFIED

ECASST

A Versatile and Expandable Solution for Tempered Water

The 131 Series Mixing Valve features a versatile design that allows it to be easily installed with our electronic faucets as well as our manual faucets. With a flow rate of up to 6.6 GPM, it allows you to expand the delivery of tempered water to multiple faucets with just a single 131 Series Valve.

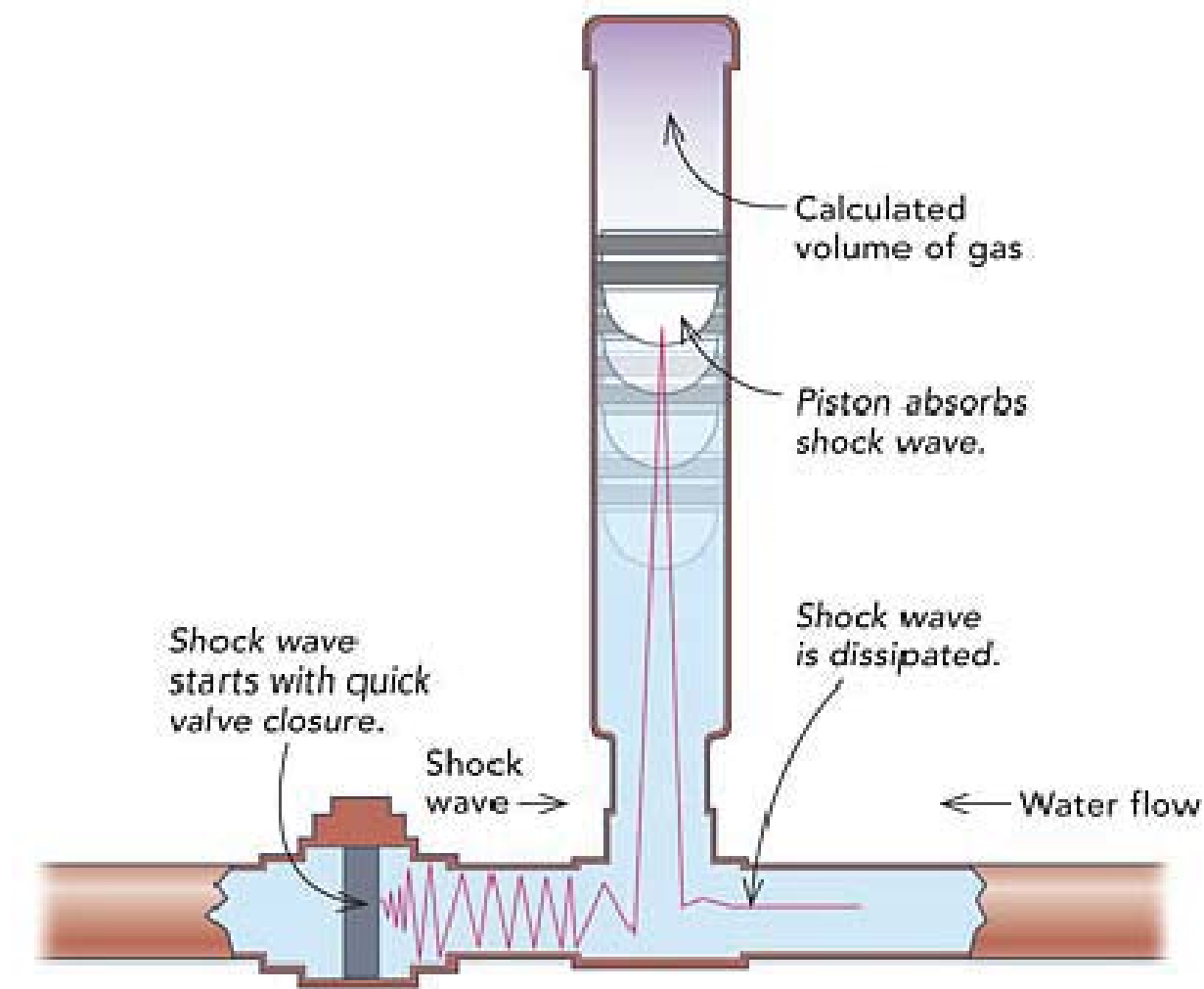
Single or Dual Supply Installations - One Faucet

Single or Dual Supply Installations - Multiple Faucets

www.chicagoecast.com

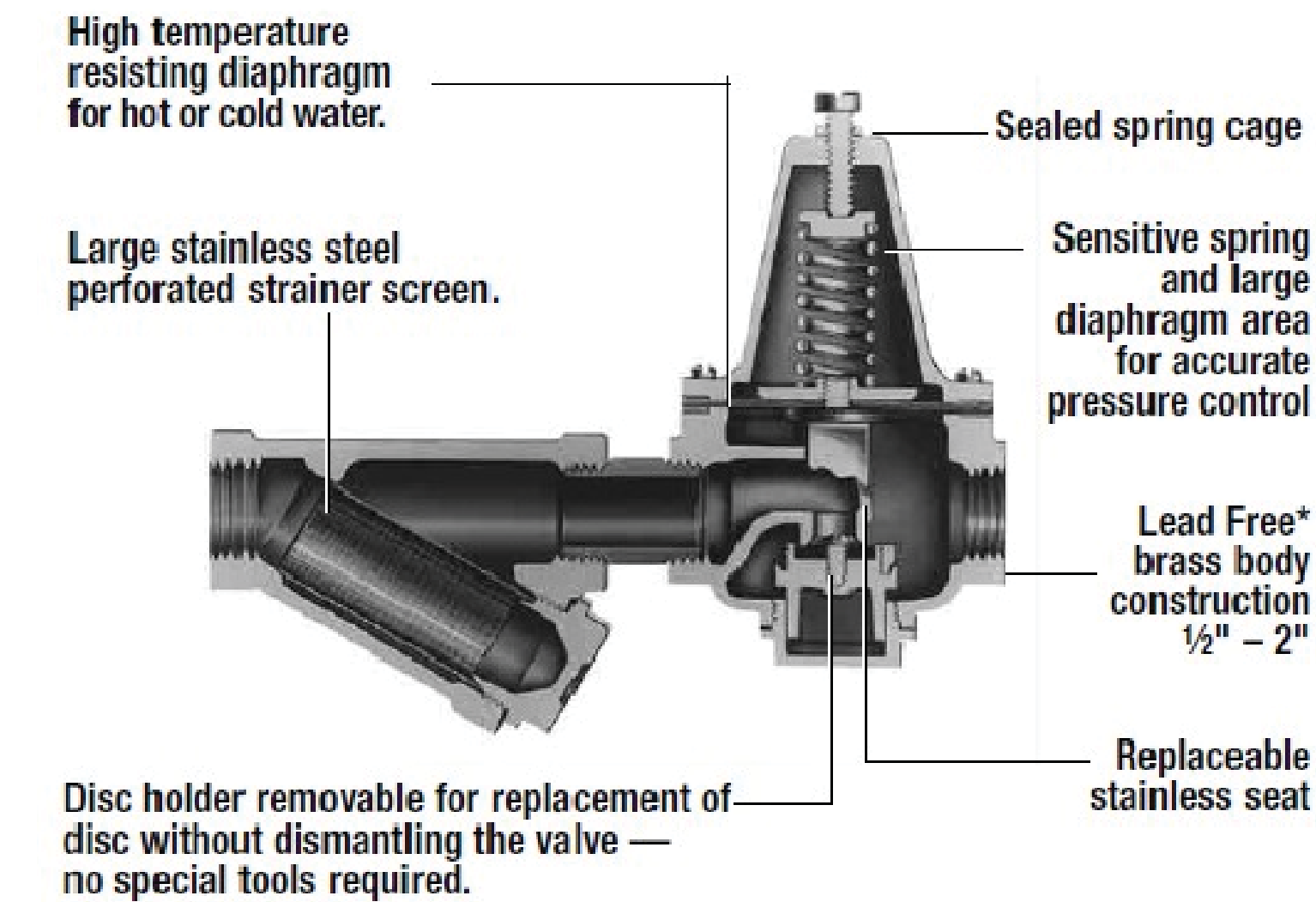
NOTES: ASSE 1010 APPROVED THERMOSTATIC MIXING VALVES SHALL BE PROVIDED AT ALL LAVATORIES AND HAND WASH SINKS

03 THERMAL MIXING VALVE (TMV)



NOTES: PROVIDE WATER HAMMER ARRESTORS PER IPC 604.9

02 WATER ARRESTOR



NOTES: PROVIDE PRESSURE REGULATOR ON CUSTOMER SIDE OF METER

04 WATER PRESSURE REDUCING VALVE

ES-LF007

For Non-Health Hazard Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

LEAD FREE

Series LF007

Double Check Valve Assemblies

Sizes: 1/2" - 3" (15 - 80mm)

Series LF007 Double Check Valve Assemblies shall be installed at referenced cross-connections to prevent the backflow of polluted water into the potable water supply. Only those cross-connections identified by local inspection authorities as non-health hazard shall be allowed the use of an approved double check valve assembly. The LF007 features Lead Free* construction to comply with Lead Free* installation requirements. Check with local authority having jurisdiction regarding vertical orientation, frequency of testing or other installation requirements. The valve shall meet the requirements of ASSE Std. 1015 and AWWA Std. C510. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

Features

- Ease of maintenance — only one cover
- Top entry
- Replaceable seats and seat discs
- Modular construction
- Compact design
- Cast Lead Free* bronze body construction — 1/2" - 2" (15 - 50mm)
- Flared epoxy coated cast iron body — 2 1/2" - 3" (65 - 80mm)
- Top mounted Lead Free* ball valve test cocks
- Low pressure drop
- No special tools required for servicing
- 1/2" - 1" (15 - 25mm) have tee handles

Specifications

A Double Check Valve Assembly shall be installed at each noted location. The assembly shall consist of two positive sealing check modules with captured springs and rubber seat discs. The check module seats and seat discs shall be replaceable. Service of all internal components shall be through a single access cover secured with stainless steel bolts. The Double Check Valve Assemblies shall be constructed using Lead Free* materials. Lead Free* Double Check Valve Assemblies shall comply with state codes and standards, where applicable, requiring reduced lead content. The assembly shall also include two resilient seated isolation valves; four top mounted, resilient seated test cocks. The assembly shall meet the requirements of ASSE Std. 1015 and AWWA Std. C510. Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California. Assembly shall be a Watts Series LF007.

1/2" (20mm) LF007M30T

2" (50mm) LF007M10T HC

Test Cocks

First Check Module Assembly

Second Check Module Assembly

The LF007 Series features a modular design concept which facilitates complete maintenance and assembly by retaining the spring lid.

Now Available

WattsBox Insulated Enclosures.

For more information, send for literature ES-WB.

IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

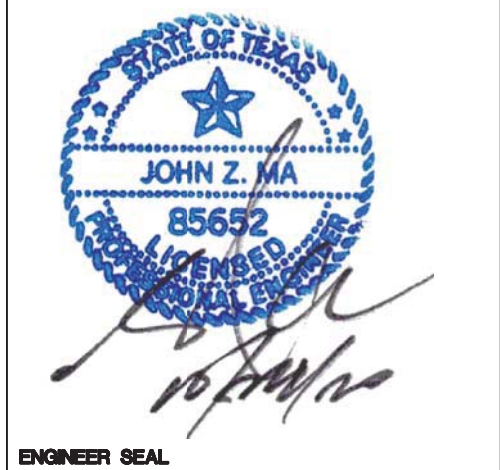
WATTS

NOTES: DOUBLE CHECK VALVE SHALL BE INSTALLED AT INCOMING WATER LINE. BACKFLOW ASSEMBLY SHALL BE RP ASSEMBLY

01 RPZ DETAILS

MA International
2601 Perth Street
Dallas, TX75220
johnma2@yahoo.com
F-3485

ARCHITECT SEAL



#	DATE	SUBMISSION
---	10/24/20	CONSTRUCTION DOCUMENT
△	--	--

BLACK LABEL
BEAUTY
FRISCO, TX

PLUMBING
DETAILS

22010-22
JOB NO.

P3
SHEET

N.T.S.