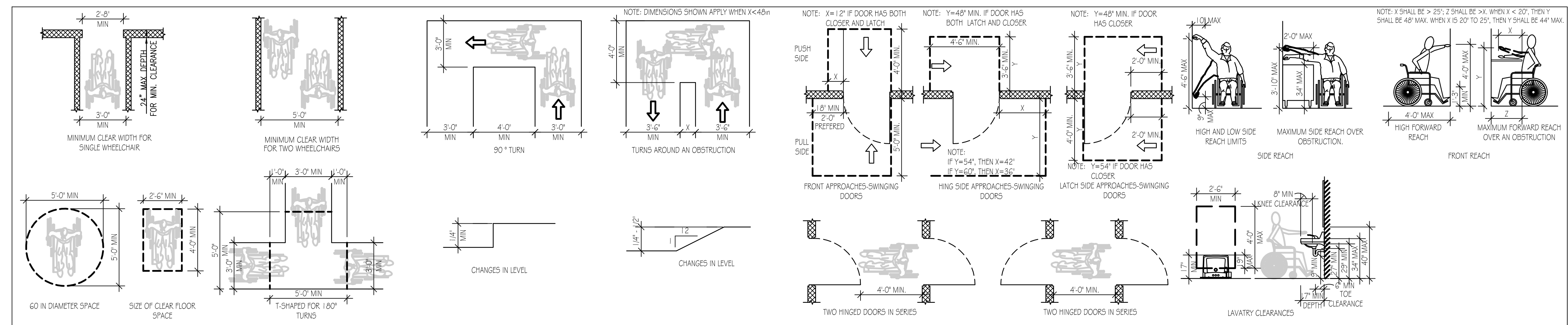


TOILET ACCESSORY MOUNTING

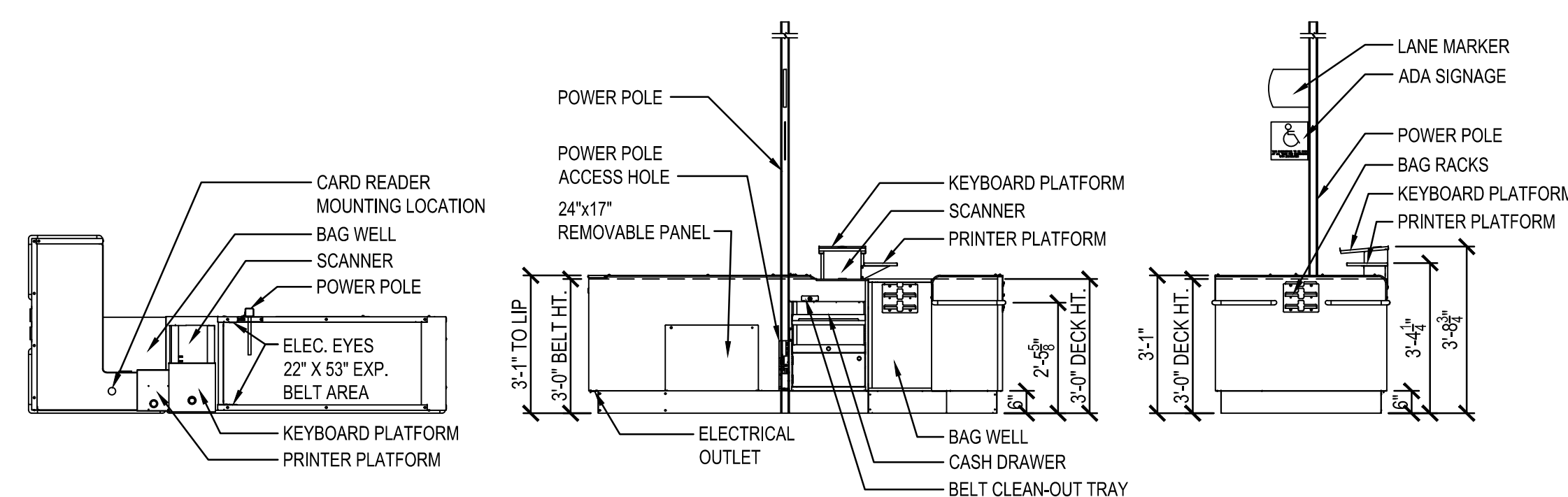
SCALE: 3/8" = 1'-0"

1
CS2



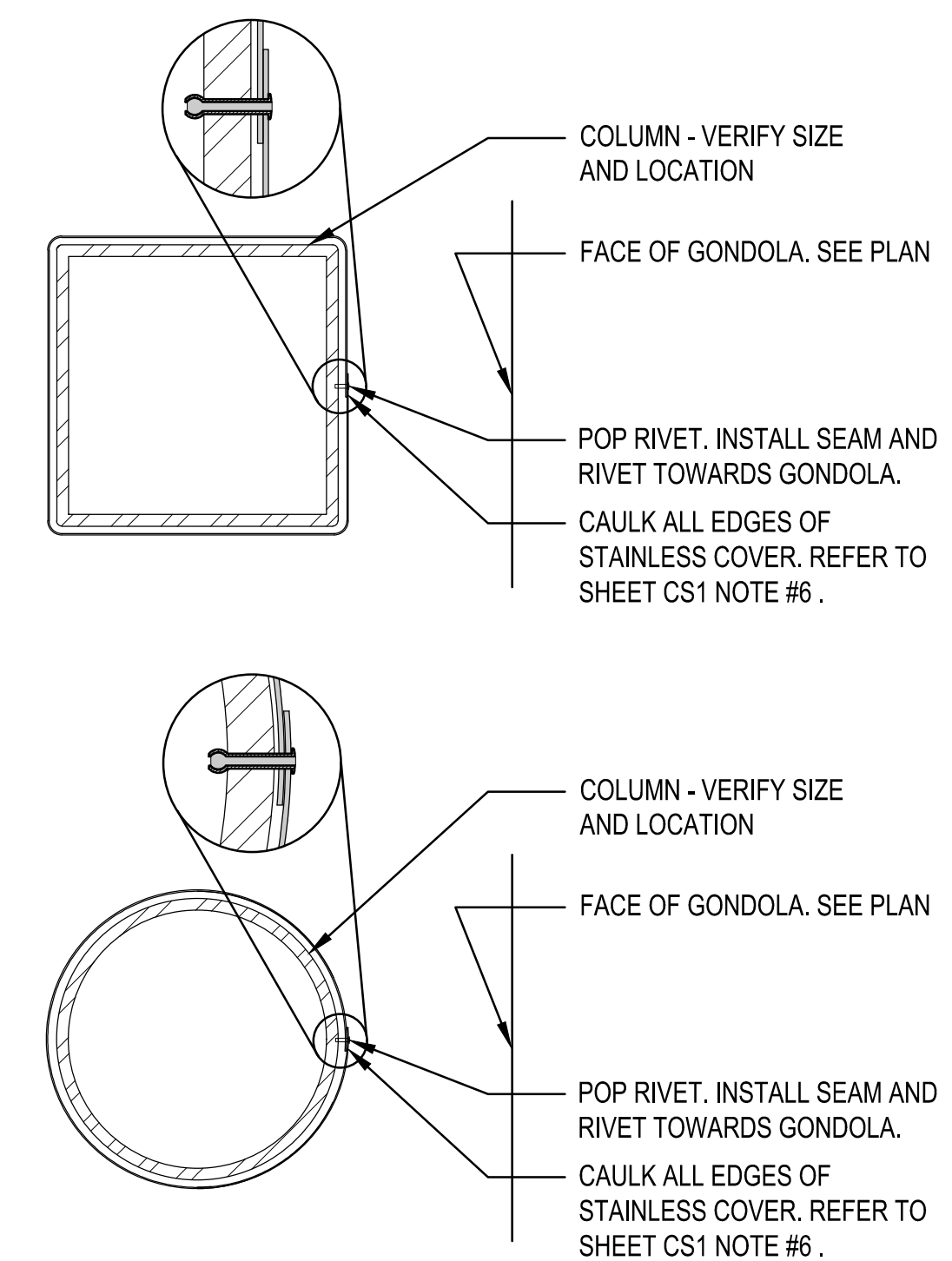
TYPICAL ACCESSIBILITY CONFIGURATIONS

SCALE: NOT TO SCALE



BELT CHECKOUT

SCALE: NOT TO SCALE



COLUMN DETAILS

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

2
CS2

DATE	PROJECT	DRAWN	CHECKED
11/2/21	21-782	KR	DSS

DATE	PROJECT	DRAWN	CHECKED
11/2/21	21-782	KR	DSS

DATE	PROJECT	DRAWN	CHECKED
11/2/21	21-782	KR	DSS



PROJECT	DRAWING
FAMILY ODDIAR	FREESTANDER
65 UNIONVILLE RD. SEBEWING, MI 48759	NOTES AND ACCESSIBILITY DETAILS

SHEET
CS2

GENERAL NOTES:

SIGN FOR IN-LINE STORES



SMOKE FREE NOTE: PROVIDE SIGNAGE SHOWN ABOVE AT EVERY ENTRY POINT ON EXTERIOR WALL INTO THE BUILDING PER THE GROUND UP OR IN-LINE STORE TYPE ABOVE. SIGNS MUST BE 10"x7" IN SIZE. THE MATERIAL IS PREFERRED TO BE ALUMINUM. SIGNS MAY BE FOUND AT WWW.compliancesigns.com

KNOX BOX NOTE: IF A KNOX BOX ENTRY SYSTEM IS REQUIRED BY THE CODES GOVERNING THE CONSTRUCTION OF THE PROJECT, PROVIDE A RECESSED KNOX BOX BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE PROJECT. LOCATE PER LOCAL CODE REQUIREMENTS. KNOX BOX CONTACT - 866-625-4563

CERTIFICATE OF OCCUPANCY

THE CONTRACTOR IS RESPONSIBLE FOR THE "CERTIFICATE OF OCCUPANCY". CERTIFICATE TO BE FRAMED AND MOUNTED IN THE MANAGERS OFFICE. IF MUNICIPALITY DOES NOT ISSUE A CoO, IT IS THE RESPONSIBILITY OF THE G.C. TO GET A LETTER FROM THE MUNICIPALITY STATING AS SUCH ON CITY/COUNTY LETTERHEAD AND THAT LETTER IS TO BE FRAMED AND MOUNTED IN MANAGER'S OFFICE.

KEY BOX NOTE:

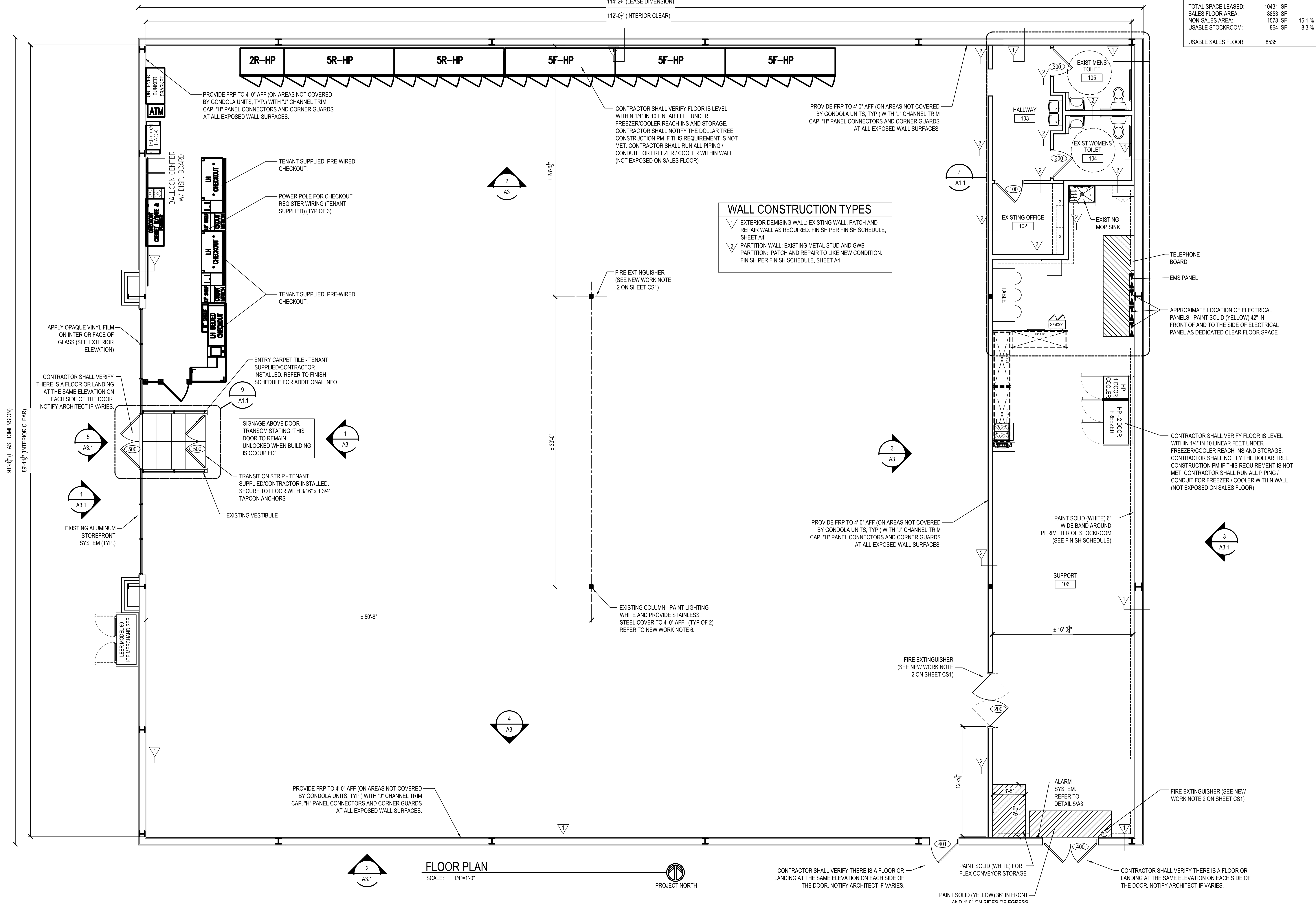
CONTRACTOR SHALL PROVIDE KEY BOX FOR LOCK ACCESS DURING PUNCHOUT AND TURNOVER. COMBINATION MUST MATCH LAST FOUR DIGITS OF STORE NUMBER. DESIGNER NOTE: CONTRACTOR SHALL PROVIDE EYE BOLT EMBEDDED 12" MIN. INTO TOP OF LOADING AREA BOLLARD WITH DIAMETER SIZED FOR KEY LOCK BOX.

NO PLUMBING LINES SHALL PASS UNDER THE SALES FLOOR SLAB. PLUMBING LINES CAN PASS UNDER THE TOILET, OFFICE & SUPPORT AREAS.

DIMENSIONAL SUBMITTAL TO FAMILY DOLLAR:

"DEVELOPER/CONTRACTOR/LANDLORD MUST USE THE FDS SUPPLIED FINAL "FLP" PLAN SHEET FOR THE PURPOSES OF DIMENSIONAL AS-BUILT SUBMITTAL TO FAMILY DOLLAR."

SALES AREA	
GENERAL INFORMATION:	
SHOPPING CENTER:	FREESTANDER
CITY:	SEBEWAING MI
STATE:	MI
CEILING HEIGHT (SALES AREA):	12'-0"
SPRINKLERED:	NO
SQUARE FOOTAGES	
TOTAL SPACE LEASED:	10431 SF
SALES FLOOR AREA:	8853 SF
NON-SALES AREA:	1578 SF 15.1%
USABLE STOCKROOM:	864 SF 8.3%
USABLE SALES FLOOR:	8535



WALL CONSTRUCTION TYPES

- ▽ EXTERIOR DEMISING WALL: EXISTING WALL. PATCH AND REPAIR WALL AS REQUIRED. FINISH PER FINISH SCHEDULE, SHEET A4.
- ▽ PARTITION WALL: EXISTING METAL STUD AND GWB PARTITION. PATCH AND REPAIR TO LIKE NEW CONDITION. FINISH PER FINISH SCHEDULE, SHEET A4.

DATE	PROJECT	DATE	DESCRIPTION
11/21/21	21-782	KR	DSS
			CHECKED
			MARK DATE
			REVISIONS

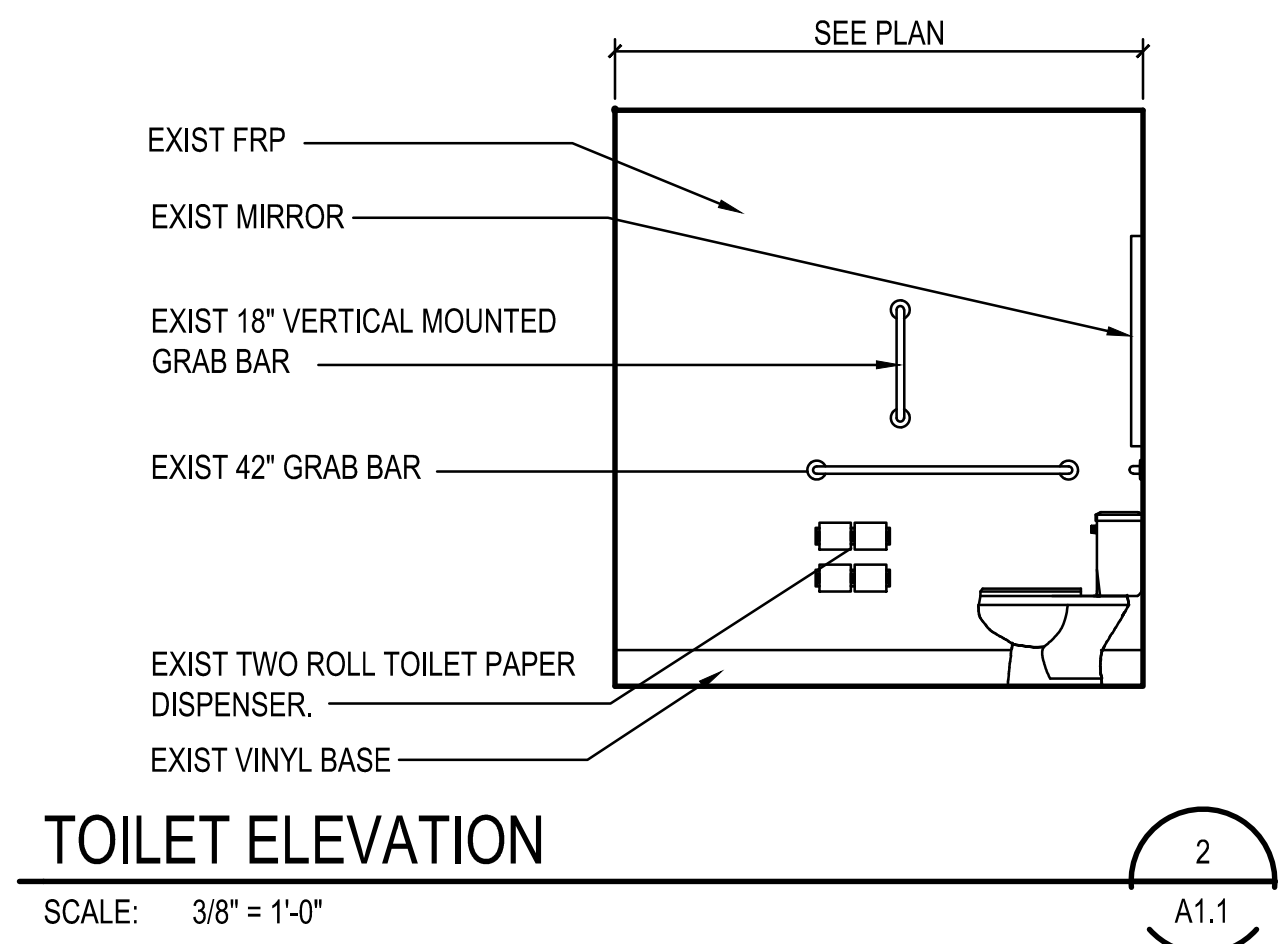
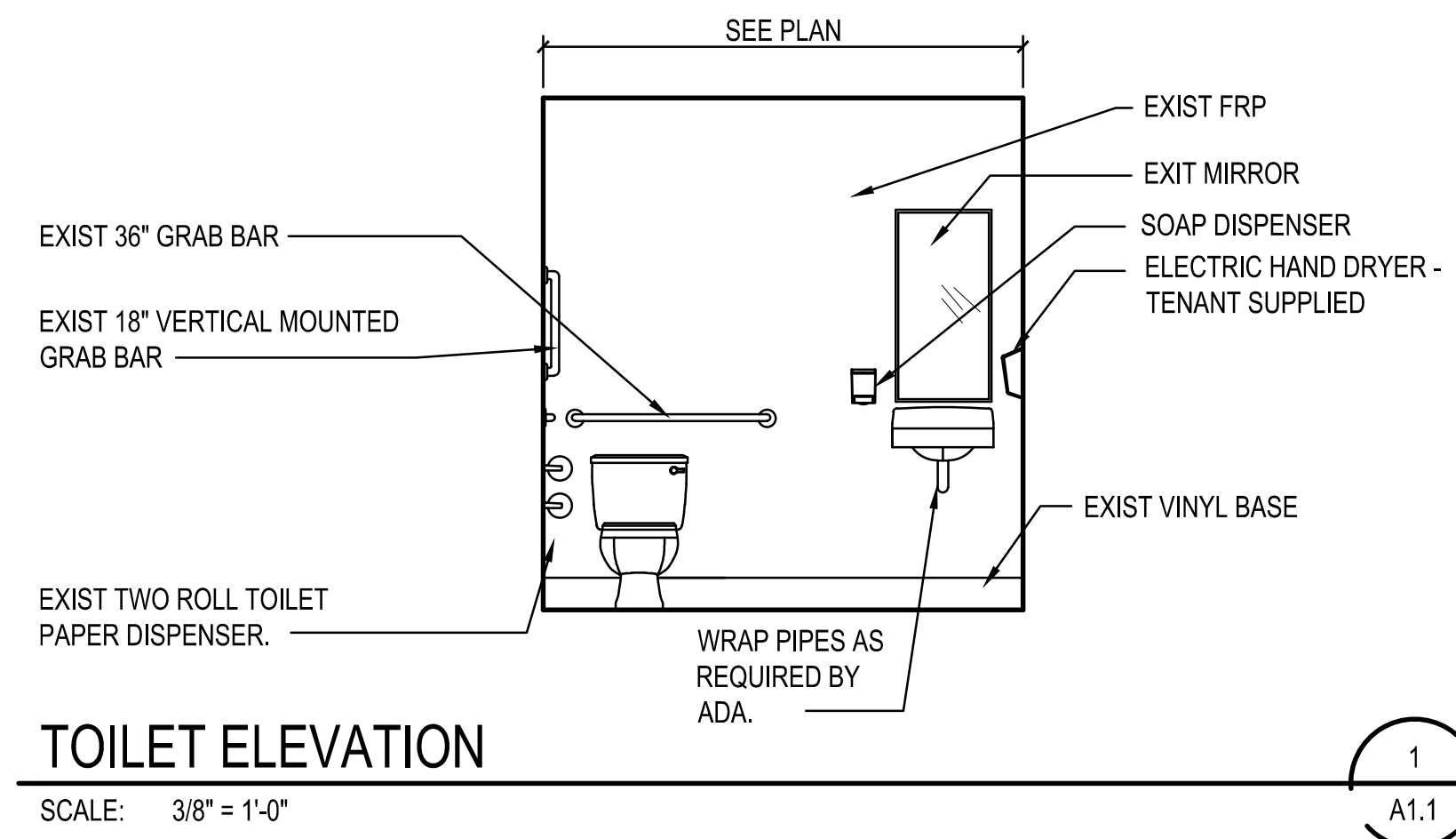


FAMILY DOLLAR
FREESTANDER
 65 UNIONVILLE RD SEBEWAING, MI 48759
 FLOOR PLAN WALL CONSTRUCTION TYPES

PROJECT: **A1**
 DRAWING: **A1**
 SHEET: **A1**

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



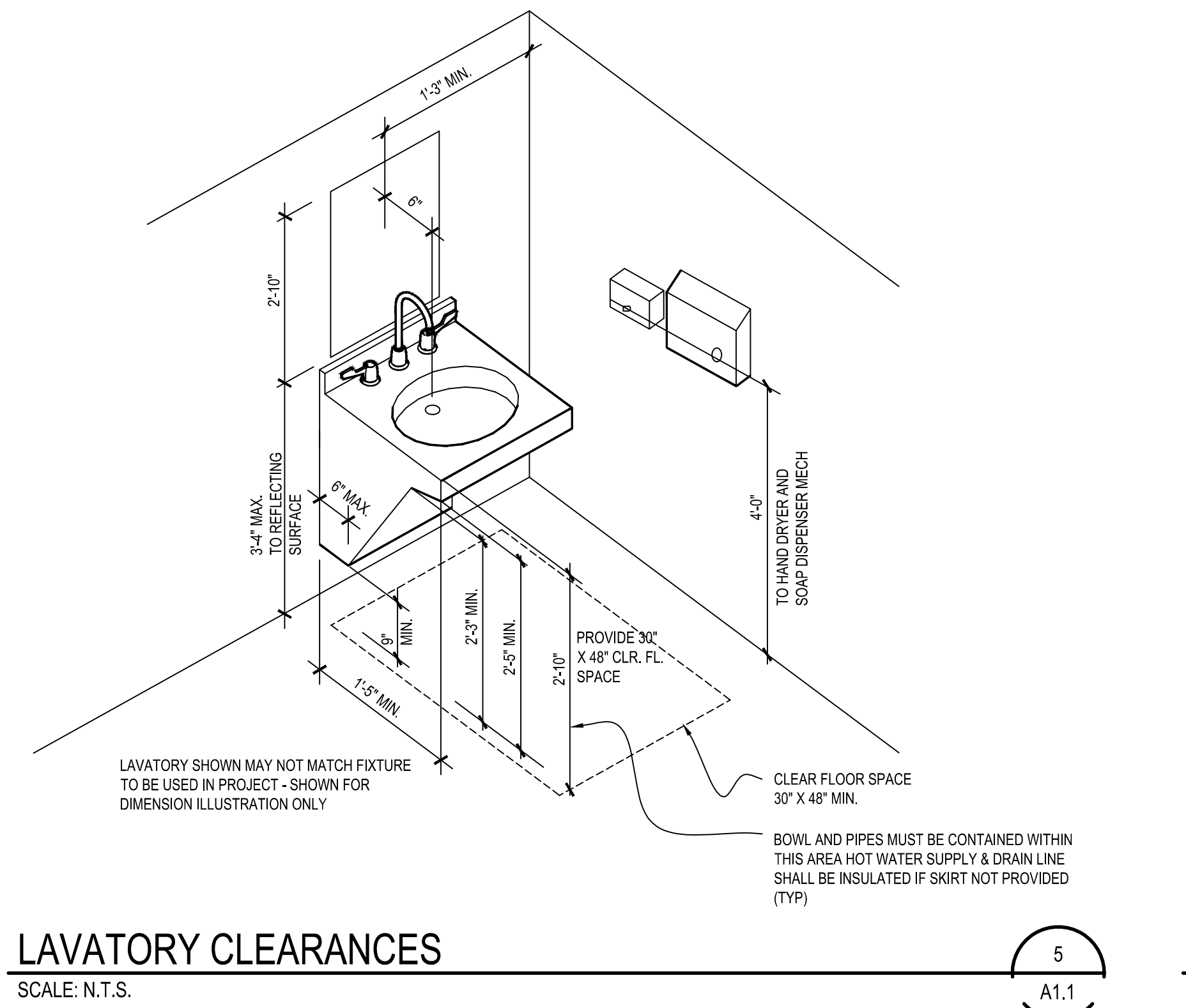
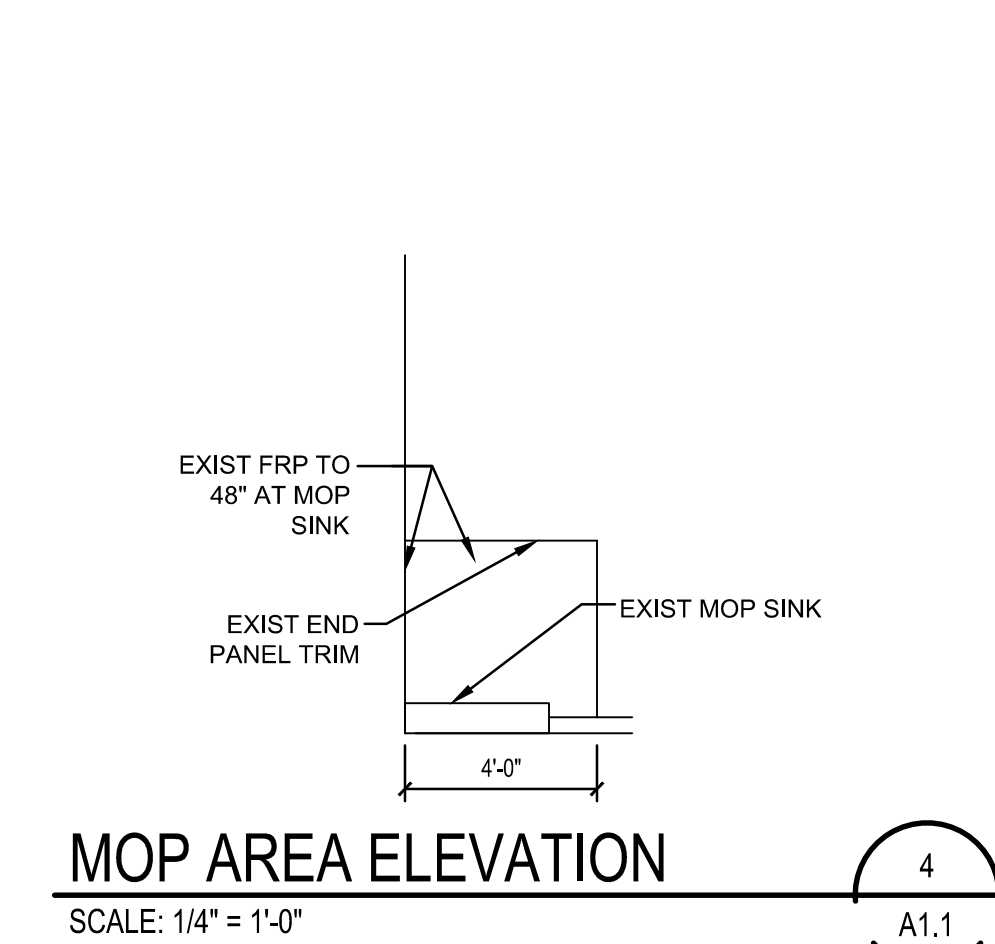
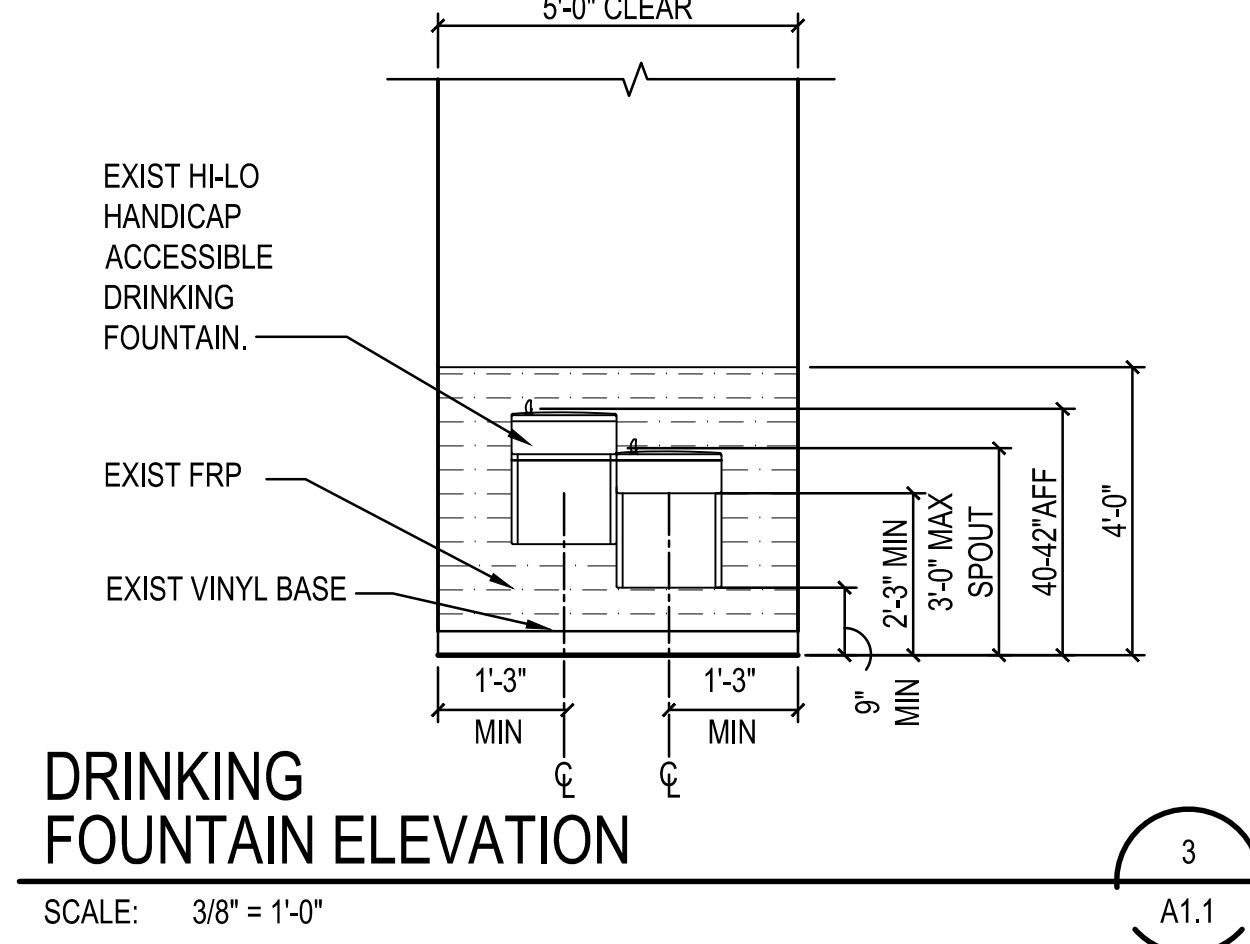


NOTE:
HAND DRYER AND SLATWALL ARE TENANT SUPPLIED AND ALL OTHER ACCESSORIES ARE EXISTING AND SHALL BE FIELD VERIFIED BY CONTRACTOR.

THE ELECTRIC HAND DRYER WILL NOT EXTEND MORE THAN 4" FROM THE WALL ON WHICH IT IS MOUNTED UNLESS IT HAS A LEADING EDGE AT OR BELOW 27" ABOVE FINISHED FLOOR.

FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

CONTRACTOR SHALL FIELD VERIFY ALL EXIST PLUMBING FIXTURES AND EXIST ACCESSORIES (INCLUDING LANDLORD INSTALLED PLUMBING FIXTURES AND ACCESSORIES) COMPLY WITH PLANS AND HANDICAPPED CODES AND LAWS. CONTRACTOR SHALL VERIFY COMPLIANCE TO FLOOR PLAN, ENLARGED PLANS AND ELEVATIONS THIS SET. NOTIFY CONSTRUCTION PM WITH ANY DISCREPANCIES.



ACCESSIBLE SIGNAGE LOCATIONS:

WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE PLACED TO THE RIGHT OF THE RIGHT HANDED DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF A DOUBLE DOOR. SIGNAGE SHALL BE ON THE NEAREST ADJACENT WALL. SIGNAGE CONTAINING RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN CLOSED POSITION AND 45 DEGREE OPEN POSITION (NOTE: SIGNS CONTAINING RAISED CHARACTERS AND BRAILLE SHALL BE PERMITTED TO BE MOUNTED ON THE PUSH SIDE OF A DOOR LEAF WITH AN AUTOMATIC DOOR CLOSER AND WITHOUT A HOLD OPEN DEVICES.)



PICTOGRAM FIELD DEPICTING THE APPROPRIATE MALE OR FEMALE CHARACTER OF CONTRASTING COLOR TO BACKGROUND. PICTOGRAM FIELD SHALL HAVE A 6" MINIMUM HEIGHT AT RESTROOMS AND WHERE REQUIRED.

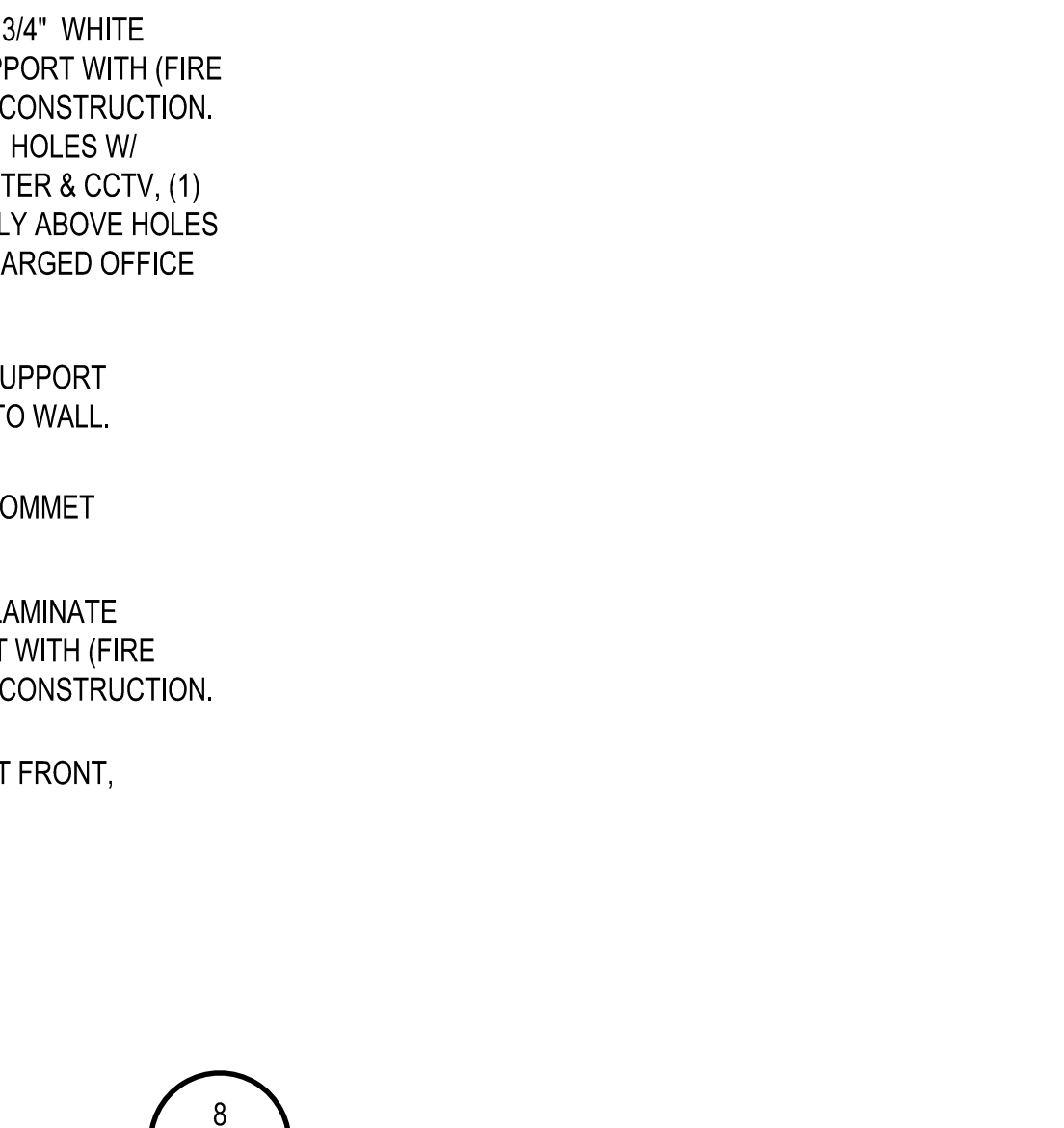
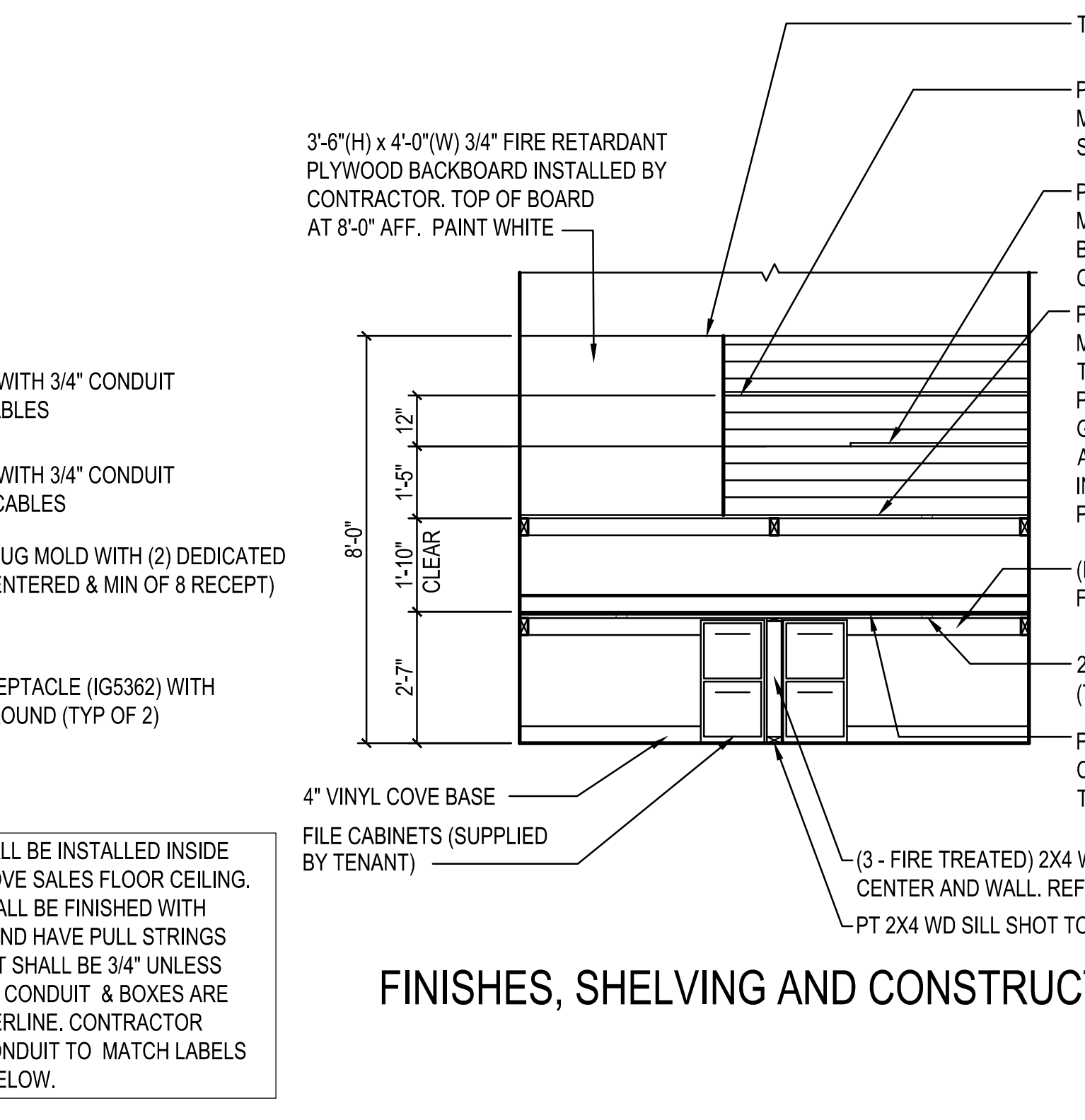
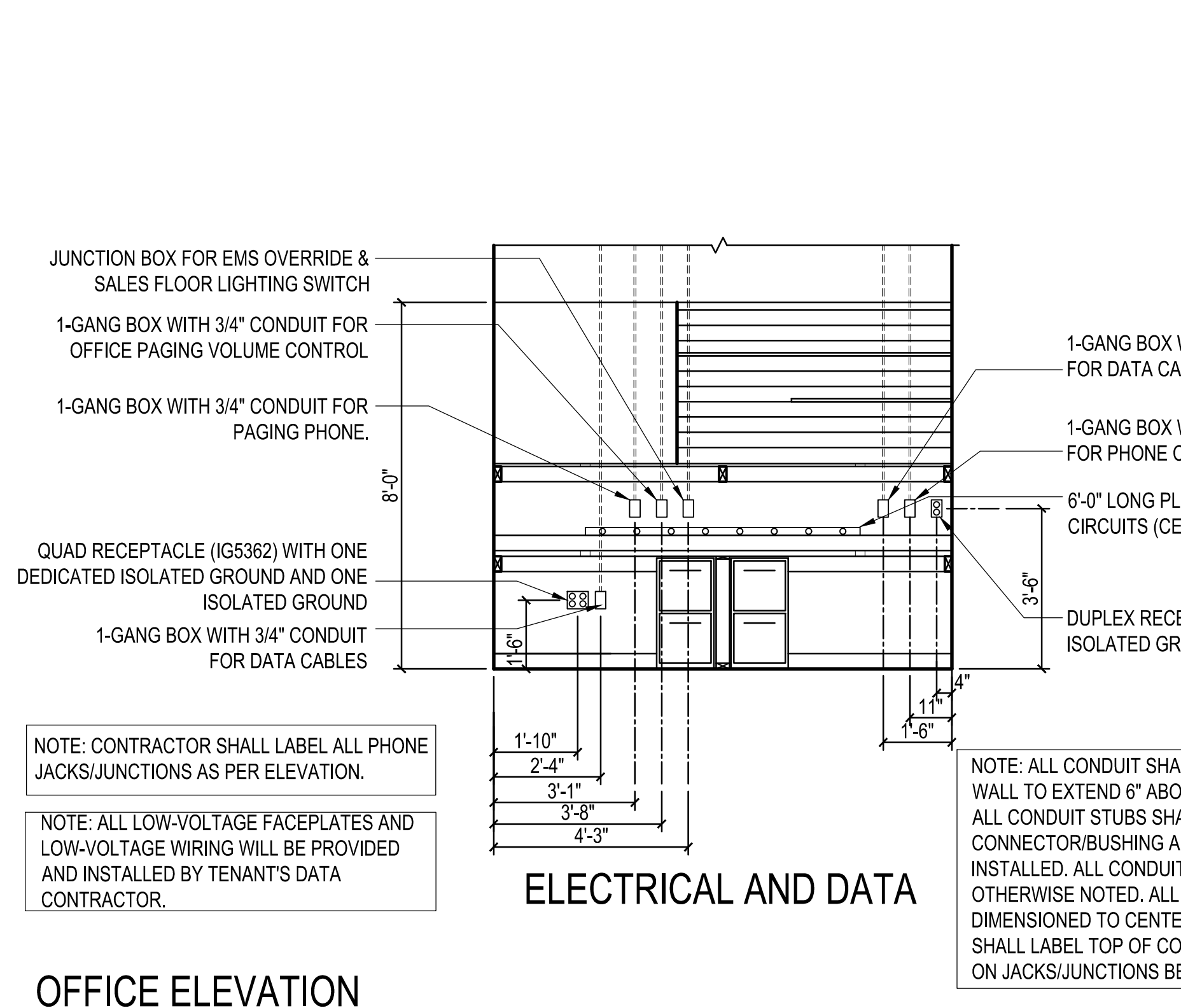
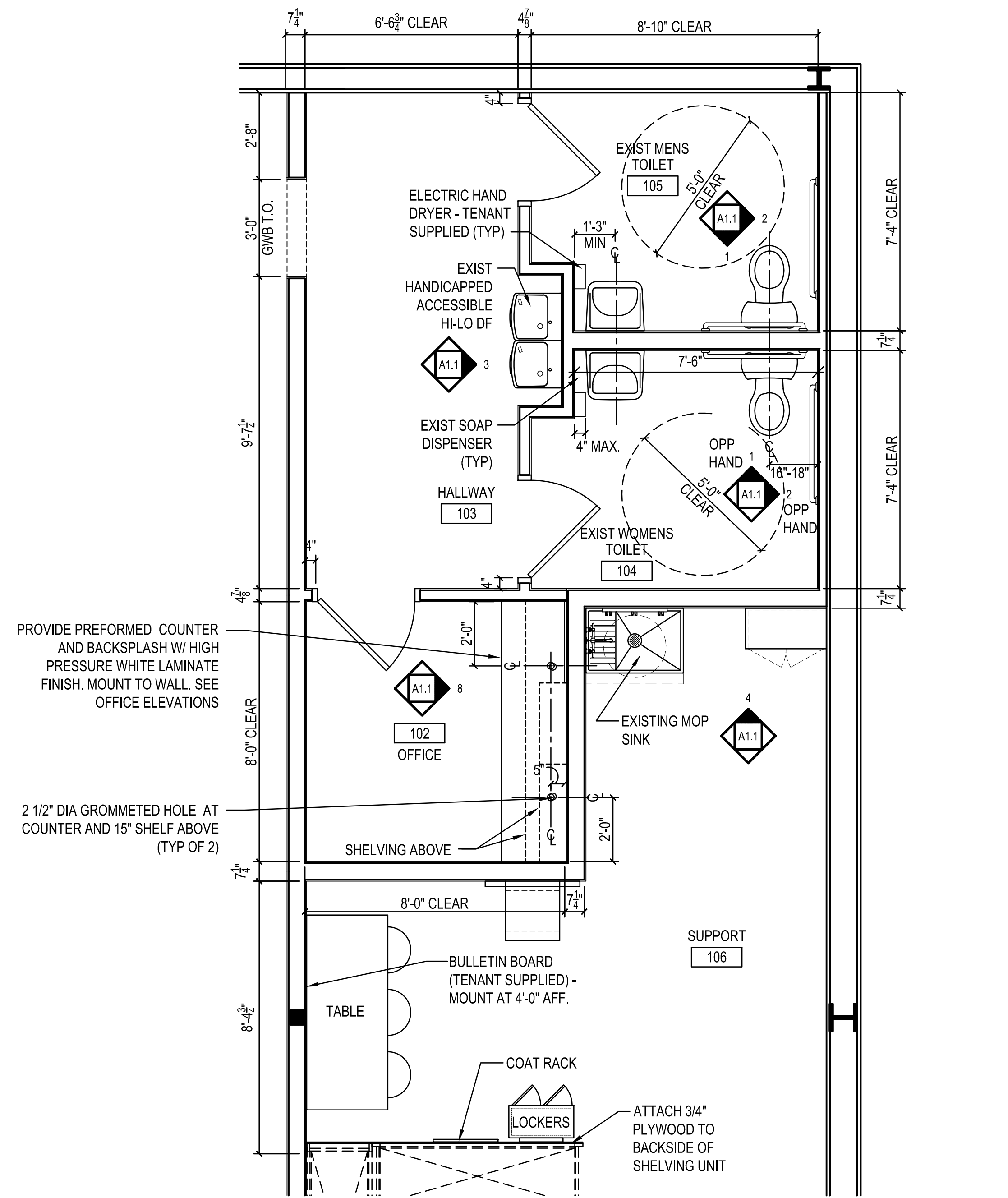
TACTILE LETTERING, APPROPRIATE TO THE REQUIREMENTS OF THE GIVEN SIGN, RAISED 1/32" ABOVE THE BACKGROUND. CHARACTERS SHALL BE UPPERCASE, SANS SERIF FONT, BETWEEN 5/8" AND 2" IN HEIGHT. WIDTH SHALL BE BASED ON THE LETTER "O" AND SHALL BE BETWEEN 55% AND 110% OF THE OF THE HEIGHT OF THE LETTER "I". STROKE WIDTH SHALL BE BETWEEN 10% AND 30% BASED ON THE LETTER "I" HAVE SHARPLY DEFINED EDGES, AND SHALL BE OF A CONTRASTING COLOR TO THE BACKGROUND.

EXIT SIGNS AT EXIT DOORS SHALL INCLUDE RAISED BRAILLE IN ACCORDANCE WITH 2010 ADA STANDARDS FOR ACCESSIBILITY DESIGN SECTION 703 AND 704 AND FOLLOW LOCAL AND STATE CODES. MOUNT PER INTERIOR SIGN HEIGHT NOTES ABOVE.

NOTE 1: PROVIDE ADDITIONAL SIGNS FOR ACCESSIBILITY AS REQUIRED BY THE ADA AND THE GOVERNING JURISDICTIONS(S) SUCH AS PUBLIC USE SAFETY DEVICES (SUCH AS FIRE ALARM STATIONS, FIRE EXTINGUISHERS, MANUAL MECHANISMS FOR ACTIVATING EMERGENCY SIGNAL DEVICES, ETC.).

GENERAL TOILET ROOM NOTES:

- LAYOUT OF TOILET ROOM FACILITIES SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, INCLUDING ALL ADA REQUIREMENTS. SUBMIT ANY MODIFIED LAYOUTS TO FAMILY DOLLAR FOR THEIR REVIEW AND APPROVAL. TOILET ACCESSORIES ARE SUPPLIED BY TENANT AND INCLUDE THE FOLLOWING ACCESSORIES FOR EACH TOILET:
18"x36" WALL MIRROR WITH CONCEALED MOUNTING CENTERED OVER EACH LAVATORY. INSTALL W/ BASE OF REFLECTIVE SURFACE @ 40" A.F.F. PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
DUAL ROLL TOILET TISSUE DISPENSER, 18 GA. CHROME PLATED STEEL OR APPROVED EQUAL. INSTALL PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
STN. STL. COAT HOOK MOUNTED TO DOOR FACE OR APPROVED EQUAL. INSTALL HOOK @ 4'-0" A.F.F. MAX.
1 1/4" - x 3/8" & 4" x 1/2" STN. STL. CODE APPROVED GRAB BARS MOUNTED TO WALL. INSTALL GRAB BARS PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
PROVIDE JUNCTION BOX PER ELECTRICAL DRWGS. FOR TENANT SUPPLIED AND INSTALLED HAND DRYER.
SOAP DISPENSER MOUNTED PER ADA REQUIREMENTS SHOWN ON THIS SHEET.
- INSTALL CONTINUOUS FIRE RETARDANT TREATED 2x6 BLOCKING BETWEEN STUDS FOR ALL HANDRAILS, GRAB BARS, FIXTURES, BRACKETS, ACCESSORIES, CABINETS, AND MISC. SPECIALTIES AS REQUIRED, UNLESS NOTED OTHERWISE.
USE 58" MOISTURE RESISTANT G.W.B. (GREENBOARD) FOR TOILET ROOM WALLS.
DOOR HARDWARE MUST BE MOUNTED BETWEEN 34" (MIN.) & 48" (MAX.)
FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

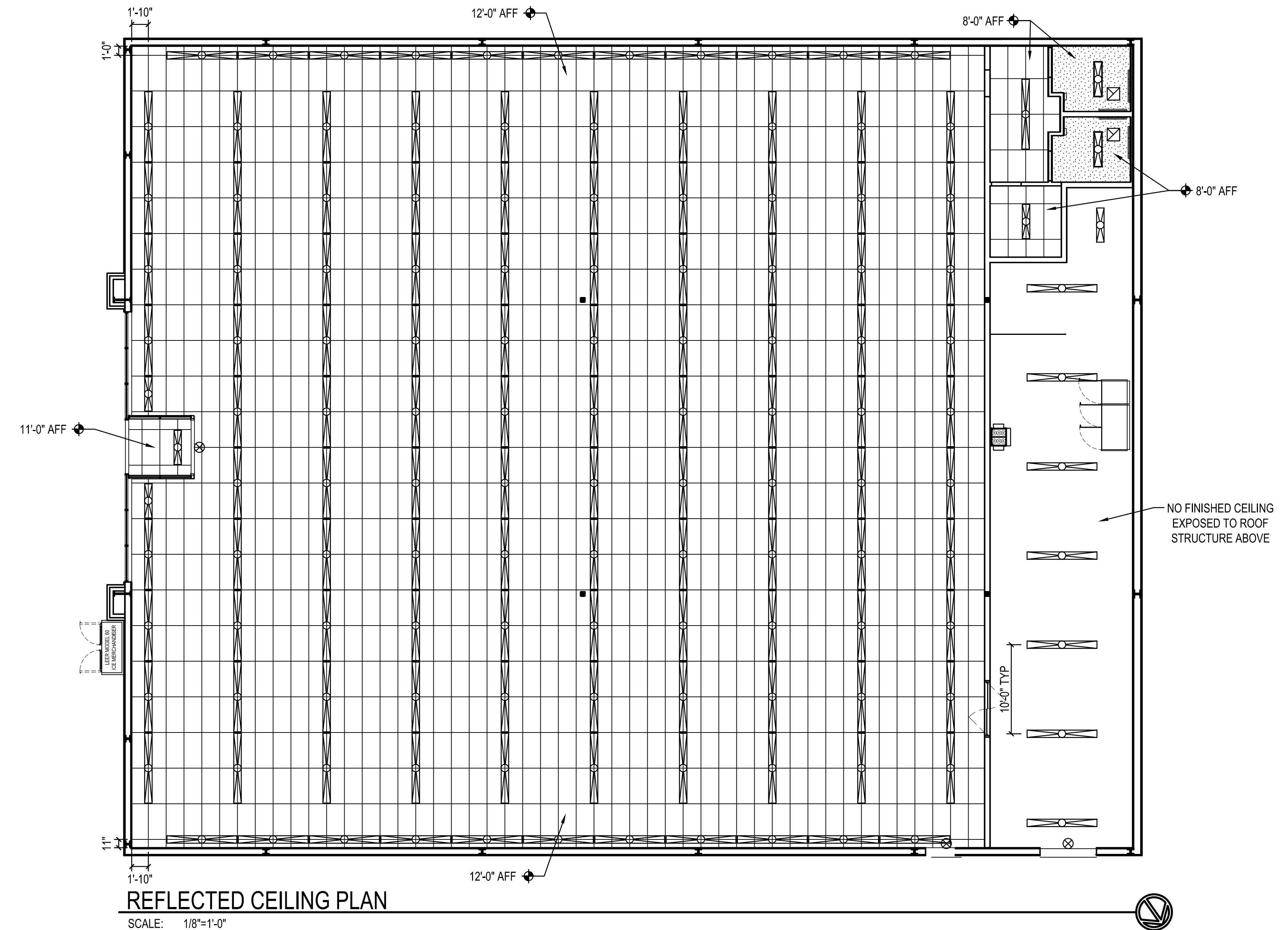


DATE	PROJECT	DATE	MARK	DATE	DESCRIPTION
11/21/21	21-782		KR		
			DSS		
			CHECKED		
			DRAWN		

PROJECT	FAMILY DOLLAR
DRAWING	FREESTANDER
SHEET	65 UNIONVILLE RD SEBOWING, MI 48759
	ENLARGED PLANS AND DETAILS

NOTE: 1. SECURITY CAMERA DOMES, MIRROR PANELS, OCCUPANCY SENSOR AND POWER POLES (UON) ARE TENANT SUPPLIED / CONTRACTOR INSTALLED.
 NOTE: 2. STOCKROOM LIGHTS MOUNTED AT 10'-0" AFF.

REFLECTED CEILING LEGEND			
	EXIST 2'-0"x4'-0" ACOUSTICAL CEILING TILE AND GRID- SEE FINISH NOTE 4.		EXIT LIGHT
	GWB - PAINT WHITE UNLESS OTHERWISE NOTED.		SECURITY CAMERA DOME
	EXIST 8'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON NIGHT LIGHT CIRCUIT. SURFACE MOUNT TO GWB AND ACT CEILING.		SECURITY CAMERA DOME MTD ON WALL @ 10'-0" AFF.
	EXIST 8'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO GWB AND ACT CEILING.		VENTILATION FAN
	EXIST 8'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON EMERGENCY LIGHT CIRCUIT WITH BATTERY PACK. SURFACE MOUNT TO GWB AND ACT CEILING. FOR FIXTURES WITH 4 LAMPS, THE EMERGENCY BATTERY PACK WILL ONLY OPERATE 2 OF THE LAMPS.		CEILING HEIGHT ABOVE FINISH FLOOR
	EXIST 4'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON NIGHT LIGHT CIRCUIT. SURFACE MOUNT TO TO GWB AND ACT CEILING.		MIRROR PANEL
	EXIST 4'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON EMERGENCY LIGHT CIRCUIT WITH BATTERY PACK. SURFACE MOUNT TO TO GWB AND ACT CEILING.		DIFFUSER
	EXIST 4'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO ACT AND GWB CEILING.		SPRINKLER HEAD (SHOWN FOR INFORMATIONAL PURPOSES ONLY. SPRINKLER CONTRACTOR SHALL PREPARE DRAWINGS AS REQUIRED BY CODE FOR RELOCATION OR ADDITION OF HEADS.)
			POWER POLE
			DUPLEX RECEPTACLE FOR SECURITY CAMERA (SC) MOUNTED IN CEILING TILE.



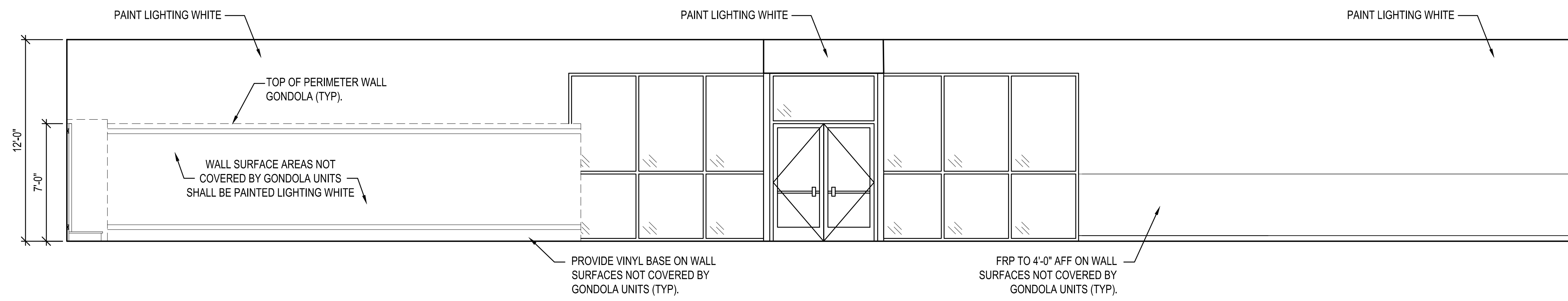
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11/2/21	21-782	KR	DSS
DATE	PROJECT	DRAWN	CHECKED



PROJECT: **FAMILY ODDIAR**
 FREESTANDER
 651 UNIONVILLE RD SEBEWING, MI 48759
 REFLECTED CEILING PLAN, LEGEND, NOTES AND DETAILS

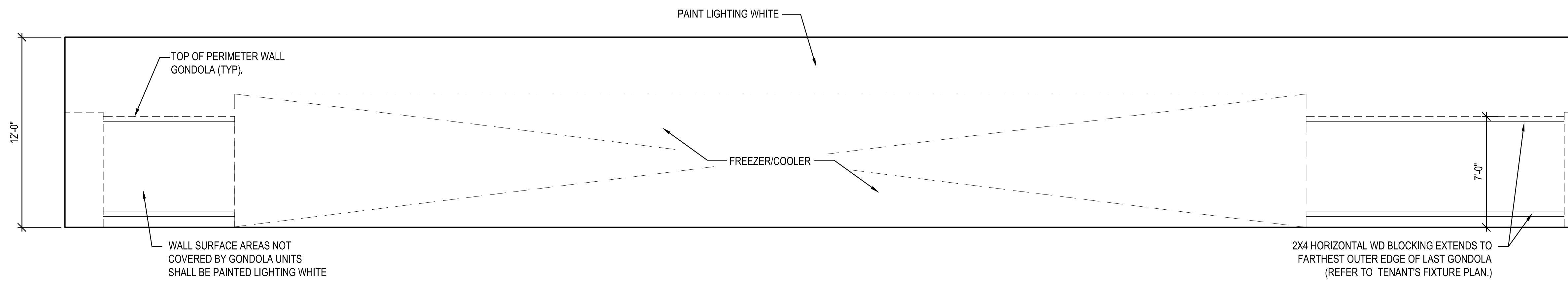
DRAWING



INTERIOR ELEVATION

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

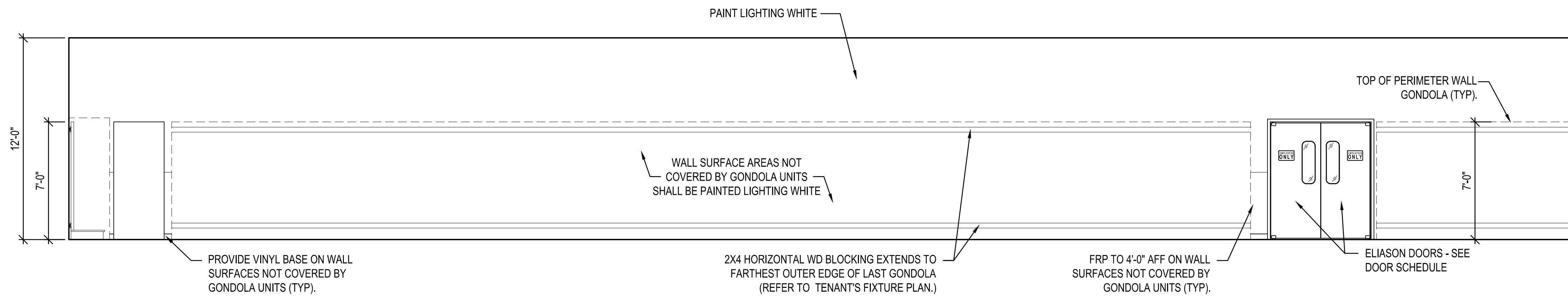
1
A3



INTERIOR ELEVATION

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

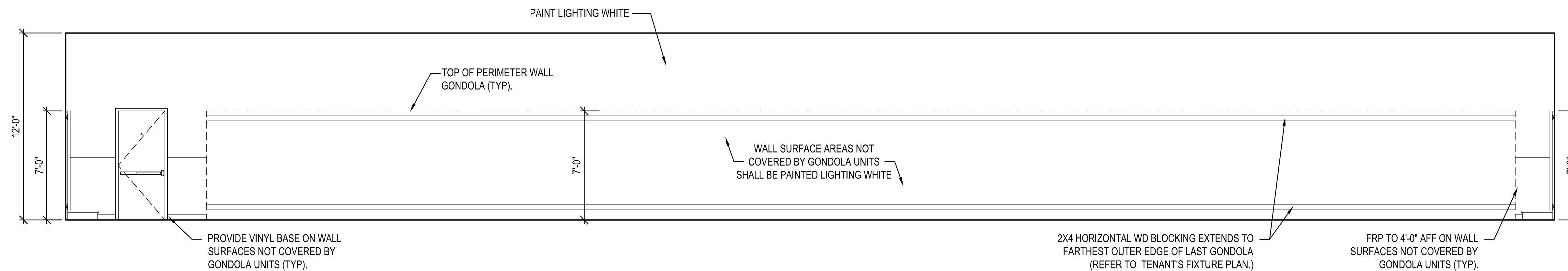
2
A3



INTERIOR ELEVATION

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

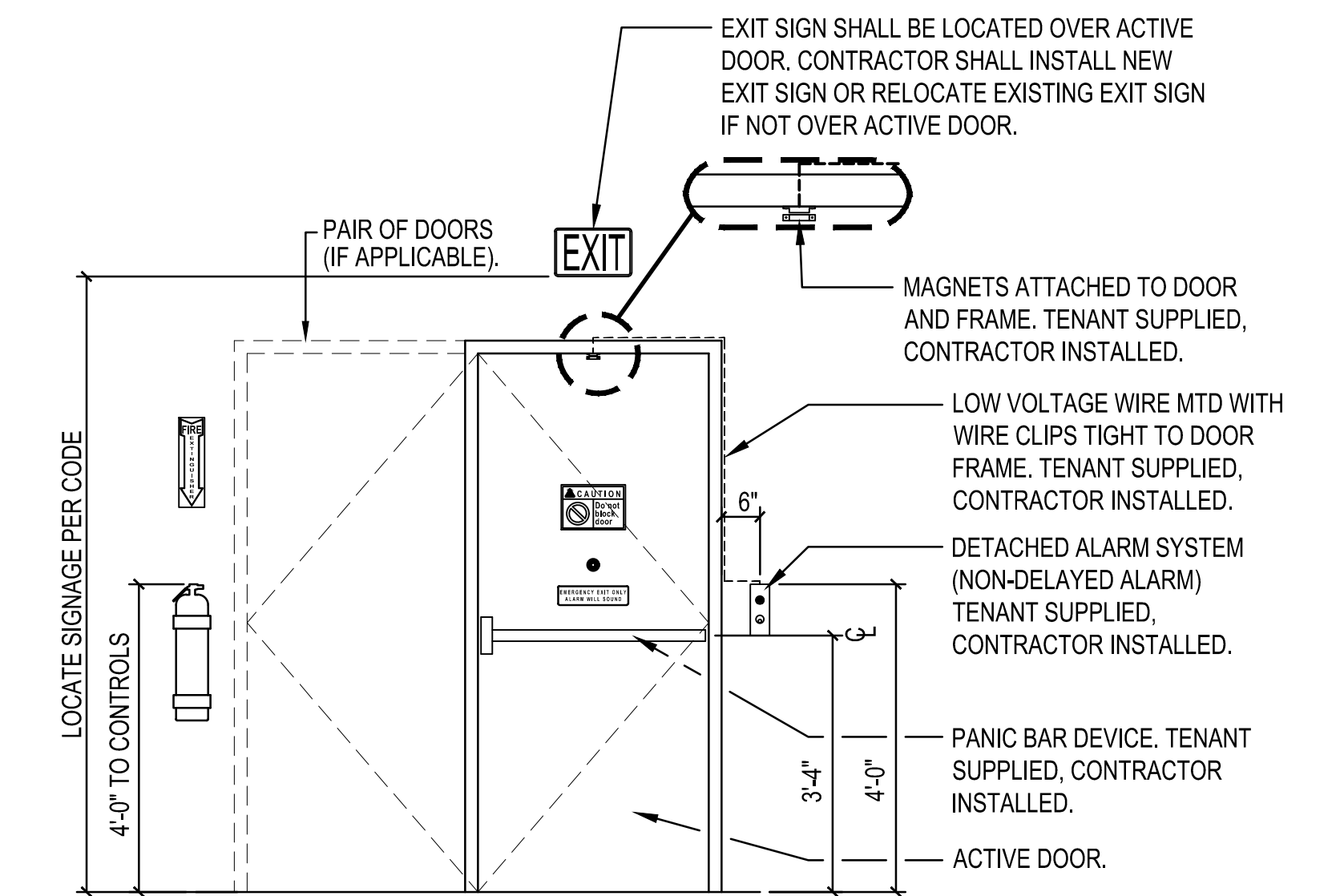
3
A3



INTERIOR ELEVATION

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

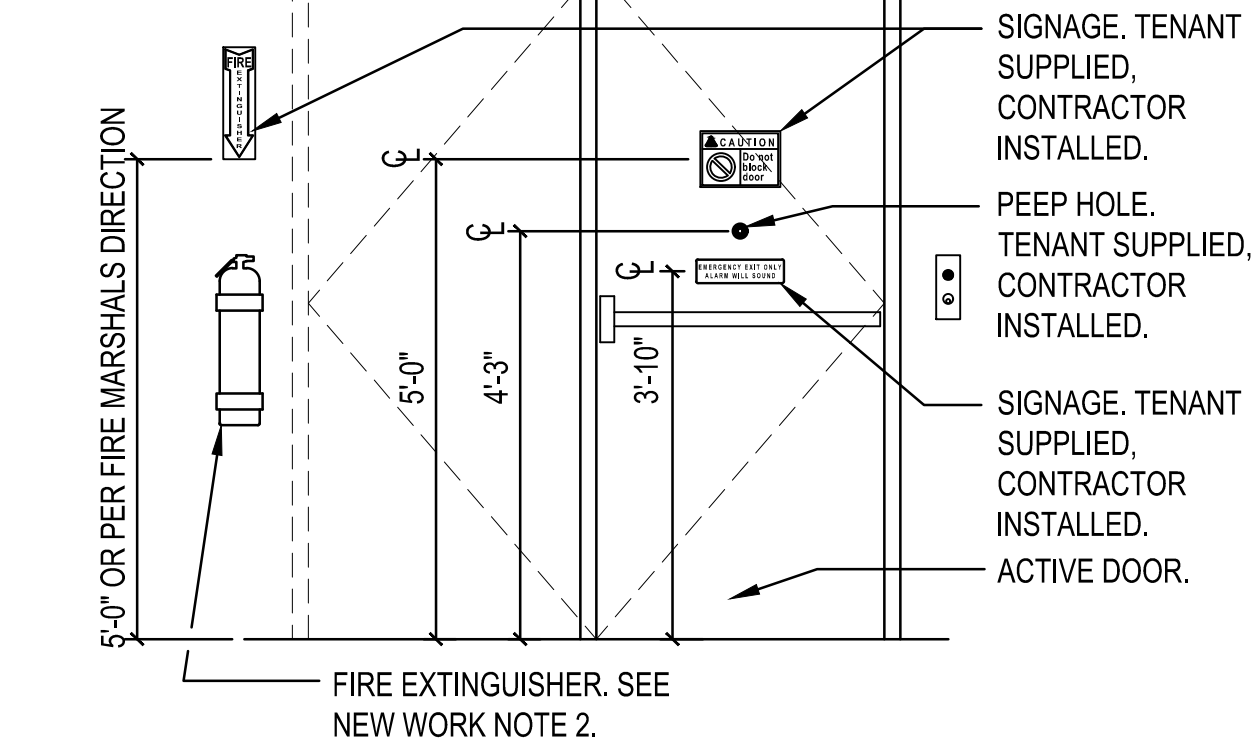
4
A3



TYP REAR DOOR ALARM MOUNTING DETAIL

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

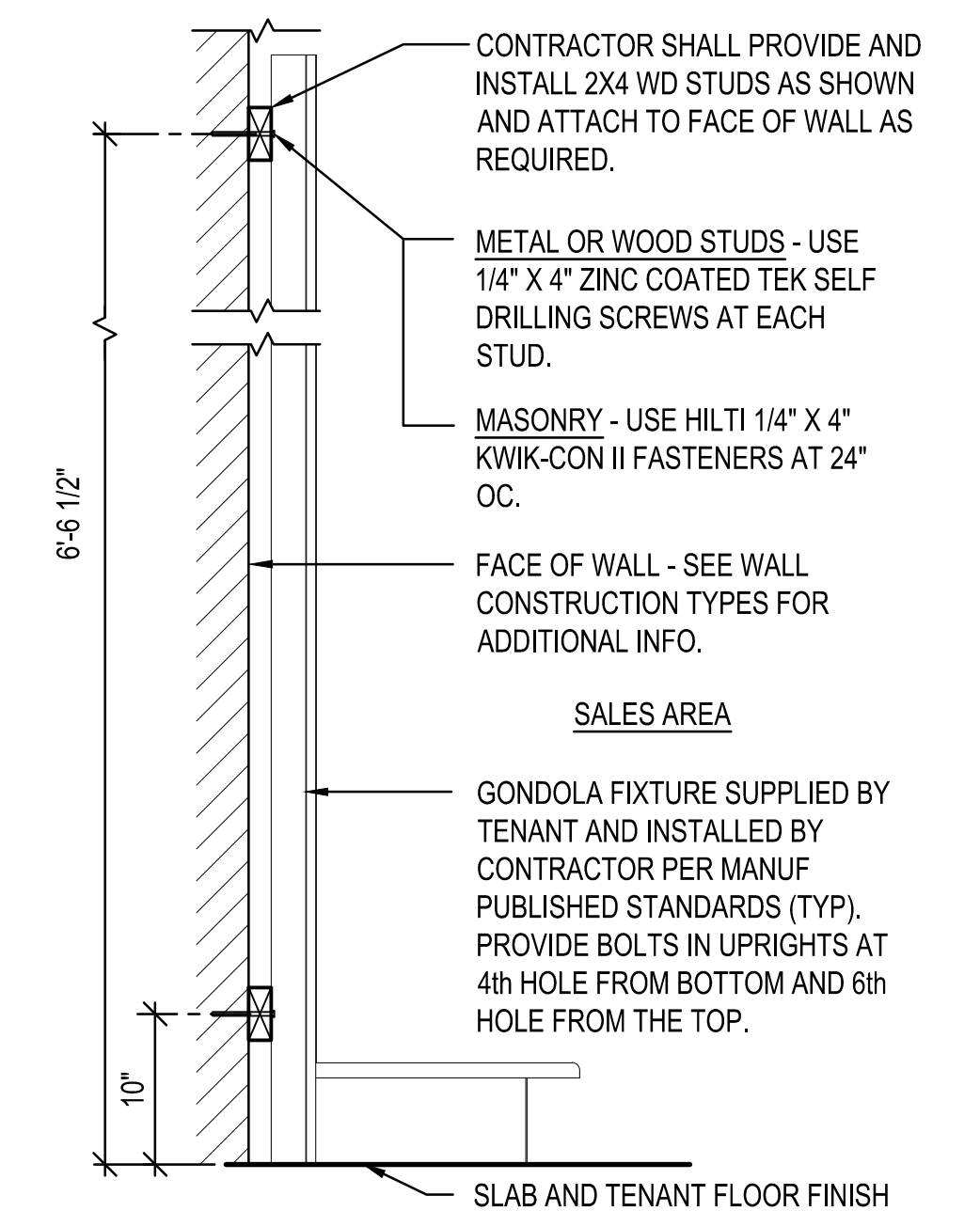
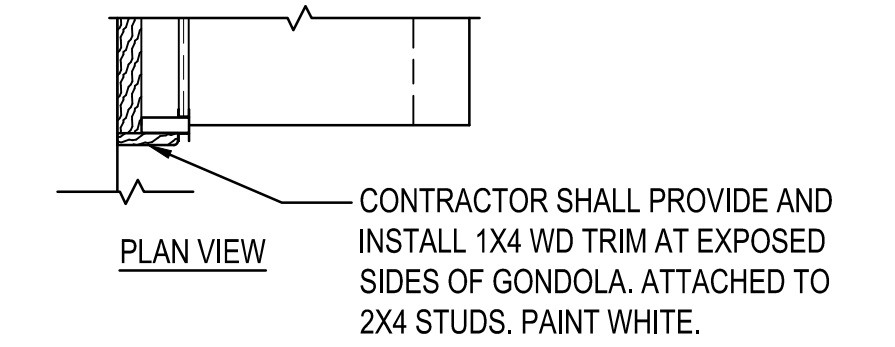
5
A3



TYP REAR DOOR ALARM MOUNTING DETAIL

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

5
A3



TYPICAL FIXTURE ATTACHMENT DETAIL

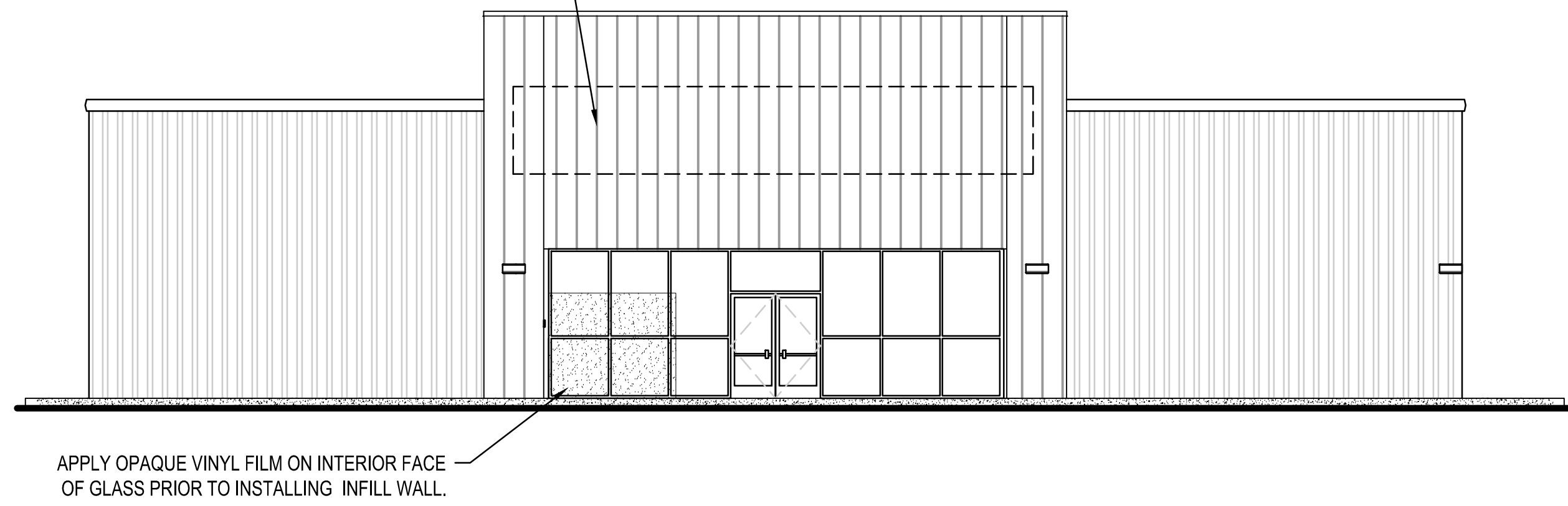
SCALE: 1" = 1'-0"

6
A3

DATE		11/21/21	PROJECT	21-782	DRAWN	KR	CHECKED	DSS
MARK			DATE			REVISIONS		
BY			DESCRIPTION					
PROJECT		FAMILY GONDOLA		FREESTANDER		INTERIOR ELEVATIONS AND DETAILS		
DRAWING		PROJECT		DRAWING		SHEET		A3



AREA OF EXTERIOR SIGNAGE - REFER TO SIGN MANUFACTURER'S DRAWINGS FOR DETAILS.

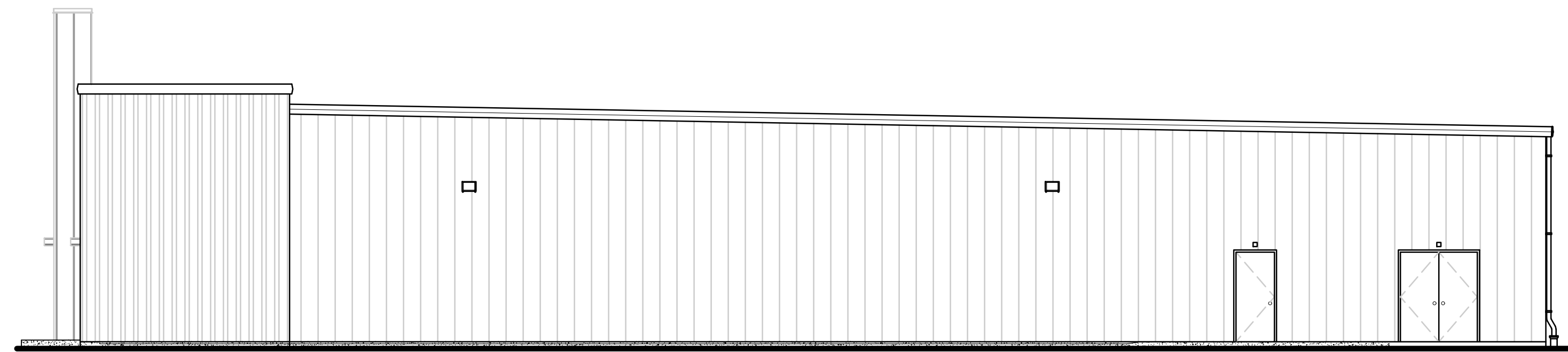


APPLY OPAQUE VINYL FILM ON INTERIOR FACE OF GLASS PRIOR TO INSTALLING INFILL WALL.

EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"

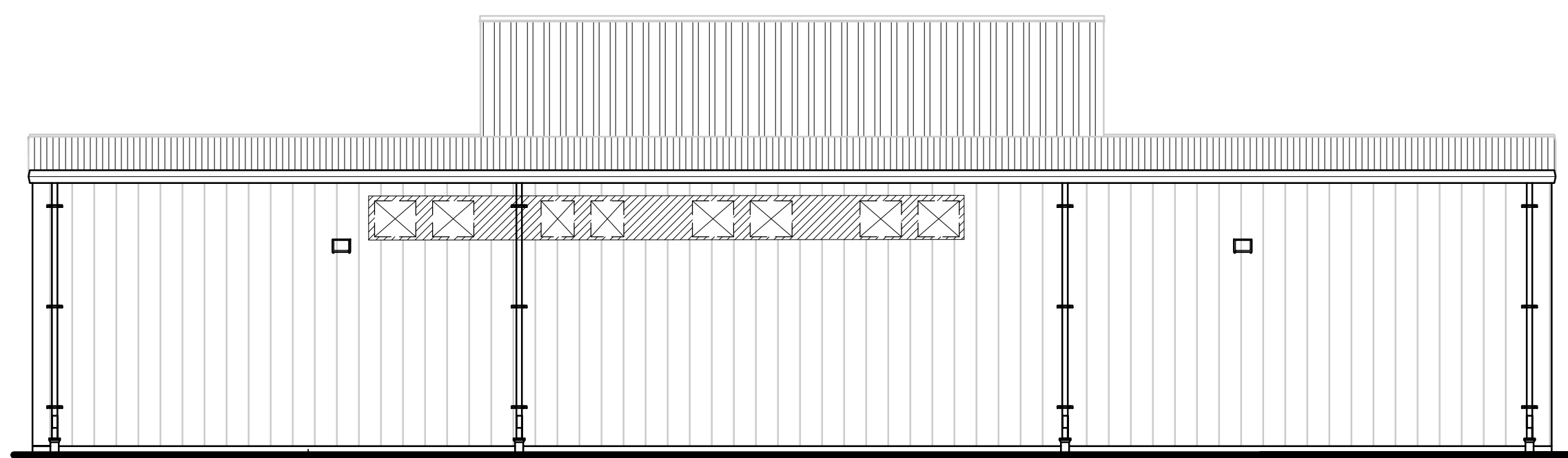
1
A3.1



EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"

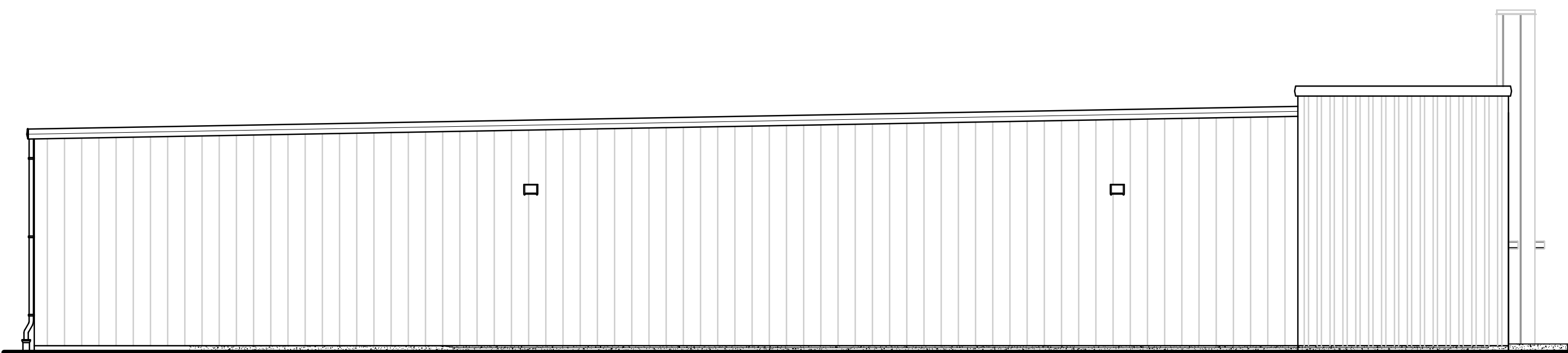
2
A3.1



EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"

3
A3.1

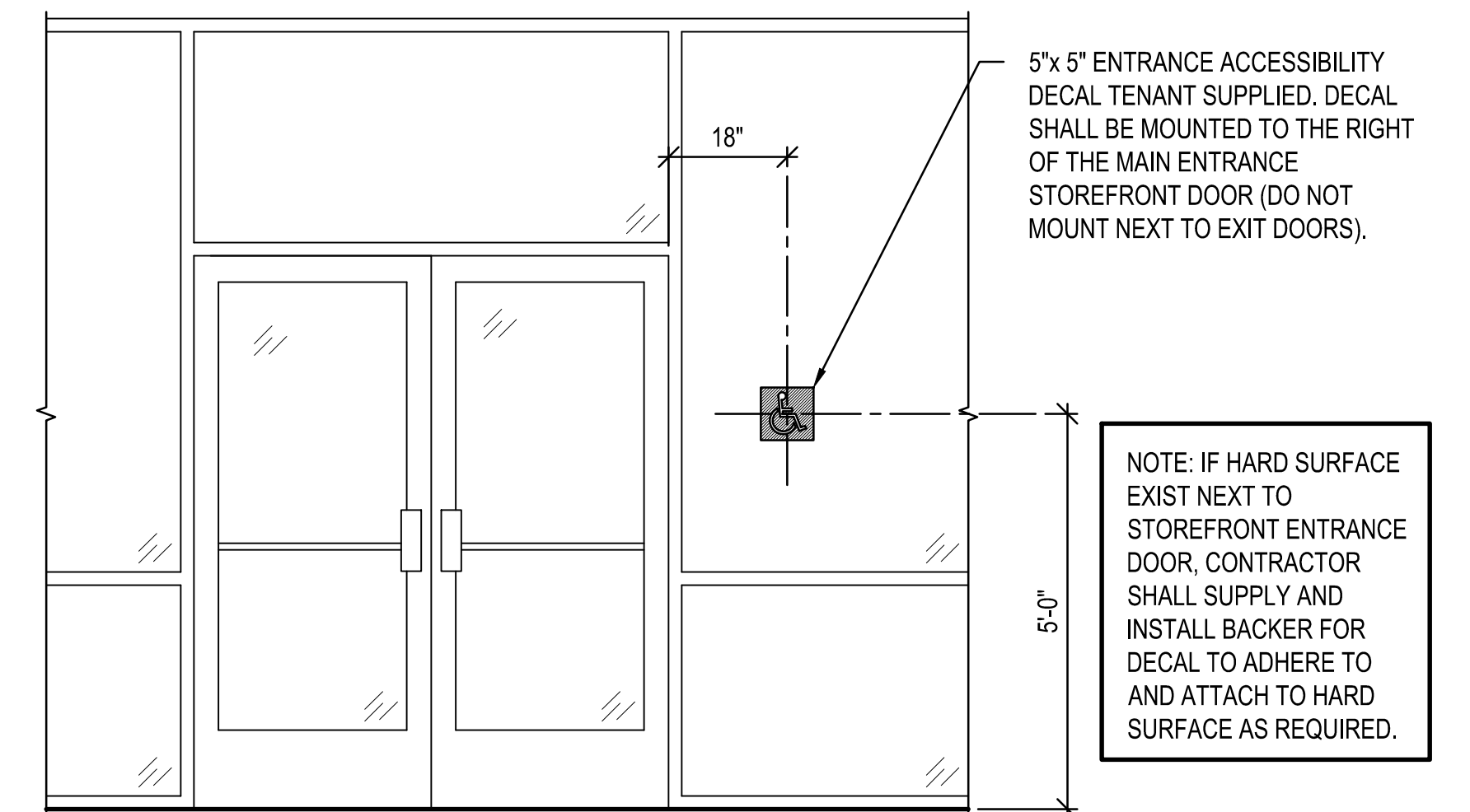


EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"

4
A3.1

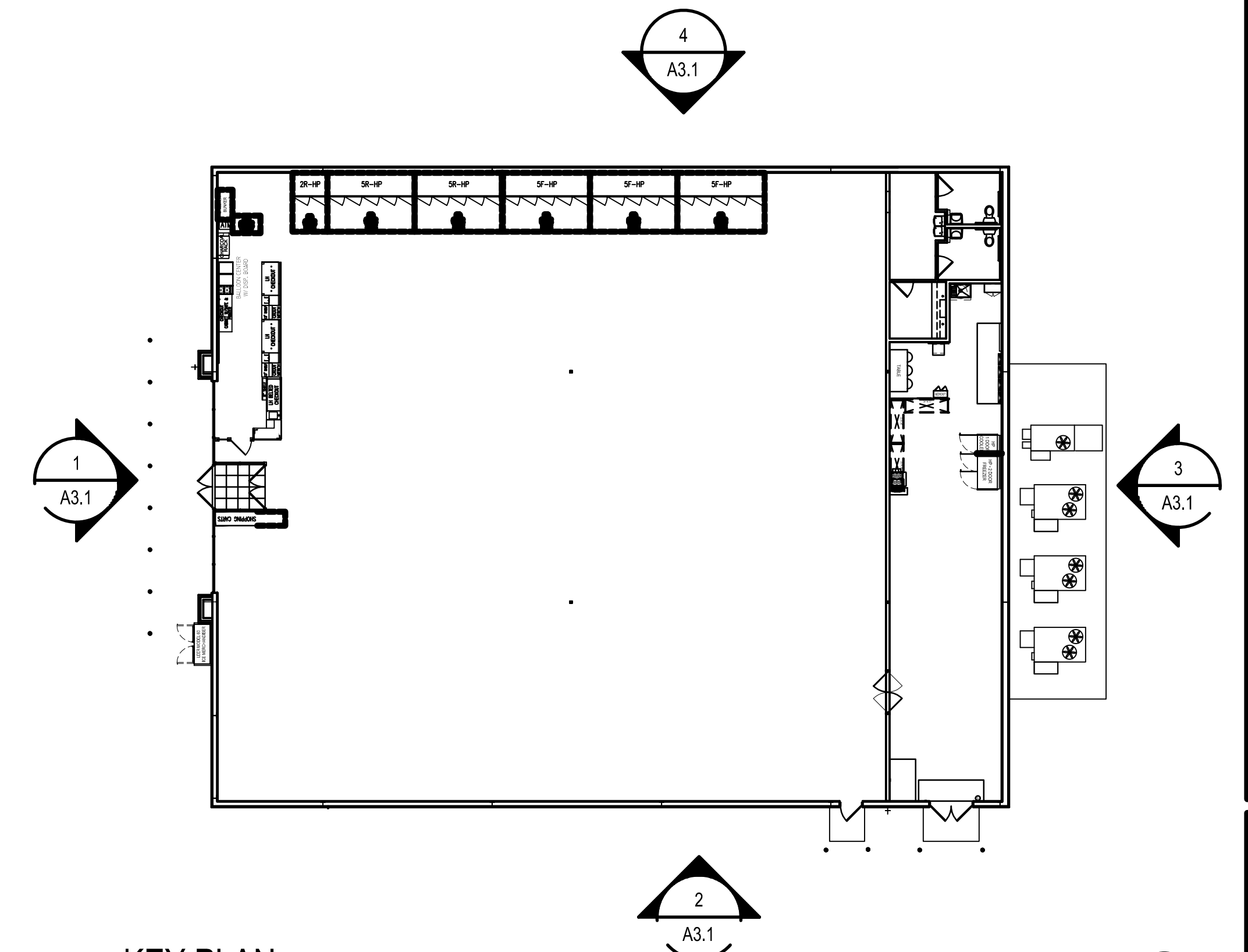
NOTE: SIGNS, LOCATION, NUMBER AND SIZE ARE NOT APPROVED UNDER THIS BUILDING PERMIT. A SEPARATE SIGN LOCATION PERMIT IS REQUIRED FOR EACH SIGN.



ACCESSIBILITY DECAL AT STOREFRONT ENTRANCE

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

5
A3.1



KEY PLAN

SCALE: N.T.S.

2
A3.1

PROJECT NORTH

DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	REVISIONS
11/21/21	21-782	KR	DSS			

BY	DESCRIPTION

DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	REVISIONS
11/21/21	21-782	KR	DSS			



PROJECT: FAMILY ODDIAR
 DRAWING: FREESTANDER
 651 UNIONVILLE RD. SEBOWING, MI 48759
 EXTERIOR ELEVATIONS AND DETAILS

SHEET
A3.1

FINISH SCHEDULE						DOOR SCHEDULE												
SPACES	FLOORS	BASES	WALLS	CEILING	NOTES	DOORS					DETAILS			FR	HDW	DOOR	NOTES	
						#	W	H	T	MATERIAL	HEAD	JAMB	SILL					
SALES	POLISHED-1	VINYL-1	PAINT-1,FRP-1	EXIST ACT	4													
SUPPORT	SEALER-1	VINYL-1	PAINT-3,FRP-1	---	1,2,3													
OFFICE	POLISHED-1	VINYL-1	PAINT-3	---	4	100	3'-0"	6'-8"	1 3/4"	EXIST SC WD	6A/A4.1	6A/A4.1	-			100A	3.5	
TOILET	EXIST SHEET VINYL	EXIST COVE	EXIST FRP	EXIST GWB	4	200	PR 3'-0"	7'-0"	.063"	EXIST ALUM ALLOY	6B/A4.1	6B/A4.1	-			200A	2,3,7,10,12	
HALLWAY	POLISHED-1	VINYL-1	PAINT-1A,EXIST FRP	EXIST ACT		300	3'-0"	6'-8"	1 3/4"	EXIST SC WD	6A/A4.1	6A/A4.1	-			300C	3,5,6,9	
VESTIBULE	WALK-1	---	---	EXIST ACT		400	PR 3'-0"	7'-0"	1 3/4"	EXIST HOL METAL	-	-	-			400A	3,4,5,8	
						401	3'-0"	7'-0"	1 3/4"	EXIST HOL METAL	-	-	-			400C	3,4,5	
						500	PR 3'-0"	7'-0"	1 3/4"	EXIST STOREFRONT	-	-	-			500A	1,3	

FINISH NOTES						DOOR NOTES										HARDWARE NOTES									
<p>1. DO NOT PROVIDE SEAL CHEMS SPEC HARDNER (OR EQUIVALENT) ONTO CONCRETE FLOORS IN SALES SUPPORT ROOM THAT WILL RECEIVE CLEAR ACRYLIC SEALER.</p> <p>2. INTERIOR SIDE OF HOLLOW METAL DOORS AND FRAMES TO BE PRIMED & PAINTED IN FIELD WITH 1 COAT PRIMER AND 2 COATS SEMI-GLOSS, COLOR: PAINT-3.</p> <p>3. ELIASON DOORS TO BE FACTORY FINISHED PER DOOR SCHEDULE.</p> <p>4. HOLLOW METAL FRAME & DOOR IN SALES AREA AND WOOD DOORS & HOLLOW METAL FRAMES IN TOILETS AND OFFICE TO BE PRIMED & PAINTED IN FIELD WITH 1 COAT PRIMER AND 2 COATS SEMI-GLOSS, COLOR TO MATCH WALL SURFACE OF ADJACENT WALL.</p> <p>FLOORS: POLISHED-1: POLISHED CONCRETE FLOORS BY TENANTS VENDOR. COORDINATE WITH TENANT.</p> <p>SEALER-1: SEALED CONCRETE WITH CLEAR ACRYLIC SEALER BY MASTERKURE, CC 300SB OR FDS APPROVED SUBSTITUTE.</p> <p>WALK-1: WALK-OFF CARPET-INTERFACE "DECO-DIAGONAL/ANTHRACITE GRAPHLAR" 5 SQ. W X 7 SQ. D (+/- 8'-3"W X 11'-6"D) WITH TREADSAFE TRANSITION STRIP ON 3 SIDES. BUTT TILE TO DOOR THRESHOLD AND MULLIONS. CENTER TILES ON DOOR C.L. REFER TO VESTIBULE OPTION (DETAIL 5) ON SHEET A1.1.</p> <p>BASE: VINYL-1: 4" HIGH TOP SET COVE VINYLE BASE BY ARMSTRONG, COLOR-BLACK</p> <p>COVE-1: 4" HIGH FLASH COVE BASE WITH MATCHING TERMINATION STRIP ADHERED TO FRP.</p> <p>WALLS: PAINT-1: (2 COATS) 2019-70-LIGHTING WHITE-SUPER HIDE ZERO VOC, LATEX INTERIOR EGGSHELL-357. (PAINT-1A: SAME AS PAINT-1 EXCEPT SEMI-GLOSS)</p> <p>PAINT-2: (2 COATS) 2019-70-LIGHTING WHITE-SUPER HIDE ZERO VOC, LATEX INTERIOR SEMI-GLOSS 358.</p> <p>PAINT-3: (2 COATS) SUPER HIDE ZERO VOC LATEX INTERIOR SEMI-GLOSS #358 COLOR-WHITE.</p> <p>PAINT-4: (2 COATS) TOUGH SHIELD ACRYLIC GLOSS-TY43 COLOR-GREY.</p> <p>PAINT-5: (2 COATS) TOUGH SHIELD ACRYLIC GLOSS-TY43 COLOR-WHITE.</p> <p>FRP-1: INSTALL FRP (GLASBORD #85 - WHITE W/ PEBBLED EMBOSSED FINISH, BY CRANE COMPOSITES OR EQUAL) (FORMALLY KEMLITE) TO 8'-0" A.F.F. ON ALL WALL SURFACES IN THE RESTROOMS. INSTALL FRP TO 4'-0" A.F.F. BEHIND THE MOP SINK AND WATER COOLERS PER ELEVATIONS ON SHEET A3.0. COMPLETE FRP WITH 'J' TRIM CAP ON TOP, SIDES, CORNERS AND 'H' CHANNELS AT JOINTS. INCLUDE CAULKING AS REQD. BY MFG. VERIFY LOCAL CODE FOR ADDITIONAL APPLICATION IF REQD.</p> <p>CEILING: ACT-1: 2'-0" X 4'-0" SUSPENDED LAY-IN CEILING TILE BY ARMSTRONG "CORTEGA" SQUARE EDGE #769-COLOR WHITE IN WHITE METAL TEE GRID.</p>						<p>DOOR NOTES</p> <p>1. PROVIDE A SIGN POSTED ON THE EGRESS SIDE, ON OR ADJACENT TO THE DOOR STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS 1" HIGH ON A CONTRASTING BACKGROUND.</p> <p>2. EXISTING DOORS - ELIASON BI-SWING DOORS W/ WINDOW</p> <p>3. DOOR, FRAME AND HINGES ARE EXISTING OR BY LANDLORD'S CONTRACTOR. CONTRACTOR TO PROVIDE AND INSTALL ANY MISSING ITEMS OF HARDWARE PER HARDWARE NOTES.</p> <p>4. PROVIDE (ONE) PEEP HOLE TO VIEW OUT. MOUNT @ 4'-3" AFF.</p> <p>5. PAINT DOOR AND FRAMES PER THE FINISH NOTES ON THIS SHEET</p> <p>6. INSTALL TENANT SUPPLIED SIGNAGE PER DETAIL 6/A1.1.</p> <p>7. REINFORCE JAMBS WITH WOOD BLOCKING.</p> <p>8. CONTRACTOR TO PROVIDE AND INSTALL DOOR SWEEP ON ALL EXTERIOR DOORS TO PREVENT WATER, WIND AND DEBRIS INFILTRATION.</p> <p>9. PROVIDE COAT HOOK AT 48" AFF. ON BACK SIDE OF DOOR.</p> <p>10. PAINT DOOR FRAME PER THE FINISH NOTES ON THIS SHEET. DOOR TO REMAIN WITH ORIGINAL FINISH.</p> <p>11. PROVIDE SIGNAGE THAT READS "EMERGENCY EXIT ONLY."</p> <p>12. PROVIDE SIGNAGE THAT READS "EMPLOYEES ONLY."</p> <p>13. PROVIDE STOREFRONT DOORS, TRANSOM AND THRESHOLD TO MATCH EXIST. PROVIDE SHOP DRAWINGS TO LANDLORD FOR APPROVAL PRIOR TO INSTALLATION.</p> <p>GENERAL HARDWARE NOTES:</p> <p>1. THRESHOLDS AT EGRESS DOORS SHALL BE NO MORE THAN 1/2" (MAX) HEIGHT AFF.</p> <p>2. ALL DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34" (MIN) TO 44" (MAX) AFF AND SHALL BE "SINGLE-HANDED" OPERABLE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE.</p> <p>3. WHERE EGRESS DOORS ARE USED IN PAIRS, THE UNLATCHING OF THE LEAF SHALL NOT REQUIRE MORE THAN ONE (1) OPERATION AS MENTIONED IN GENERAL HARDWARE NOTE #2 ABOVE.</p> <p>4. CONTROLS AND OPERATING MECHANISMS SHALL BE LEVER-TYPE (OR EQUAL) PROVIDING OPERATION WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.</p> <p>5. THE FORCE REQUIRED TO ACTIVATE CONTROLS OF INTERIOR HINGED DOORS SHALL BE NO GREATER THAN 5 POUNDS (22.2 N).</p> <p>6. DOORS EQUIPPED WITH CLOSERS SHALL BE ADJUSTED SO THAT THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.</p>										<p>HARDWARE NOTES</p> <p>HDW # 100A EXIST 1 1/2 PAIR HINGES: STANDARD WEIGHT INSTALL 1 MECHANICAL PUSH BUTTON LOCKSET WITH LEVER HANDLE EXIST 1 CLOSER EXIST 1 FLOOR STOP</p> <p>HDW # 200A LWP-3 ALUMINUM TRAFFIC DOOR EASY SWING HINGE SYSTEM 9" X 30" CLEAR ACRYLIC WINDOW FLUSH HOLLOW METAL FRAME - DRYWALL</p> <p>HDW # 300C EXIST 1 1/2 PAIR HINGES: STANDARD WEIGHT EXIST 1 PRIVACY SET WITH LEVER HANDLE EXIST 1 CLOSER EXIST FLOOR/WALL STOP</p> <p>HDW # 400A EXIST 3 PAIR HINGES: 4 1/2" HEAVY WEIGHT, NON-REMOVABLE PINS (180° SWING) EXIST 1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE EXIST 2 FLUSH BOLTS (ON INACTIVE LEAF) EXIST 1 DUST PROOF STRIKE EXIST 1 ALUM THRESHOLD (1/2" MAX HEIGHT) EXIST 2 SWEEPS EXIST 1 WEATHER STRIP EXIST 1 RAIN DRIP EXIST 1 ASTRAGAL INSTALL PEEP HOLE ALARM MOUNTING DETAIL (TENANT SUPPLIED) INSTALL 2 OVERHEAD HOLDERS/STOPS (TENANT SUPPLIED) INSTALL 1 INSTAKEY CORE (PROVIDED BY TENANT)</p> <p>HDW # 400C EXIST 1 1/2 PAIR HINGES: STANDARD WEIGHT, NON-REMOVABLE PINS EXIST 1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE EXIST 1 CLOSER WITH STOP ARM EXIST 1 ALUM THRESHOLD (1/2" MAX HEIGHT) EXIST 1 SWEEP EXIST 1 WEATHER STRIP EXIST 1 RAIN DRIP EXIST 1 PEEP HOLE INSTALL 1 INSTAKEY CORE (PROVIDED BY TENANT)</p> <p>HDW # 500A ON SALES SIDE EXIST HINGES PER STOREFRONT MANUFACTURER EXIST 2 PUSH PLATES EXIST 2 PULL HANDLES EXIST COMMERCIAL GRADE DEADLOCK W/ THUMB TURN</p> <p>EXIST 2 CLOSERS INSTALL 1 INSTAKEY CORE (PROVIDED BY TENANT)</p> <p>NOTE: CONTRACTOR SHALL VERIFY CLOSER DOES NOT HAVE A HOLD-OPEN FEATURE. IF CLOSER DOES, THE CONTRACTOR SHALL REPLACE WITH NEW CLOSER.</p>									

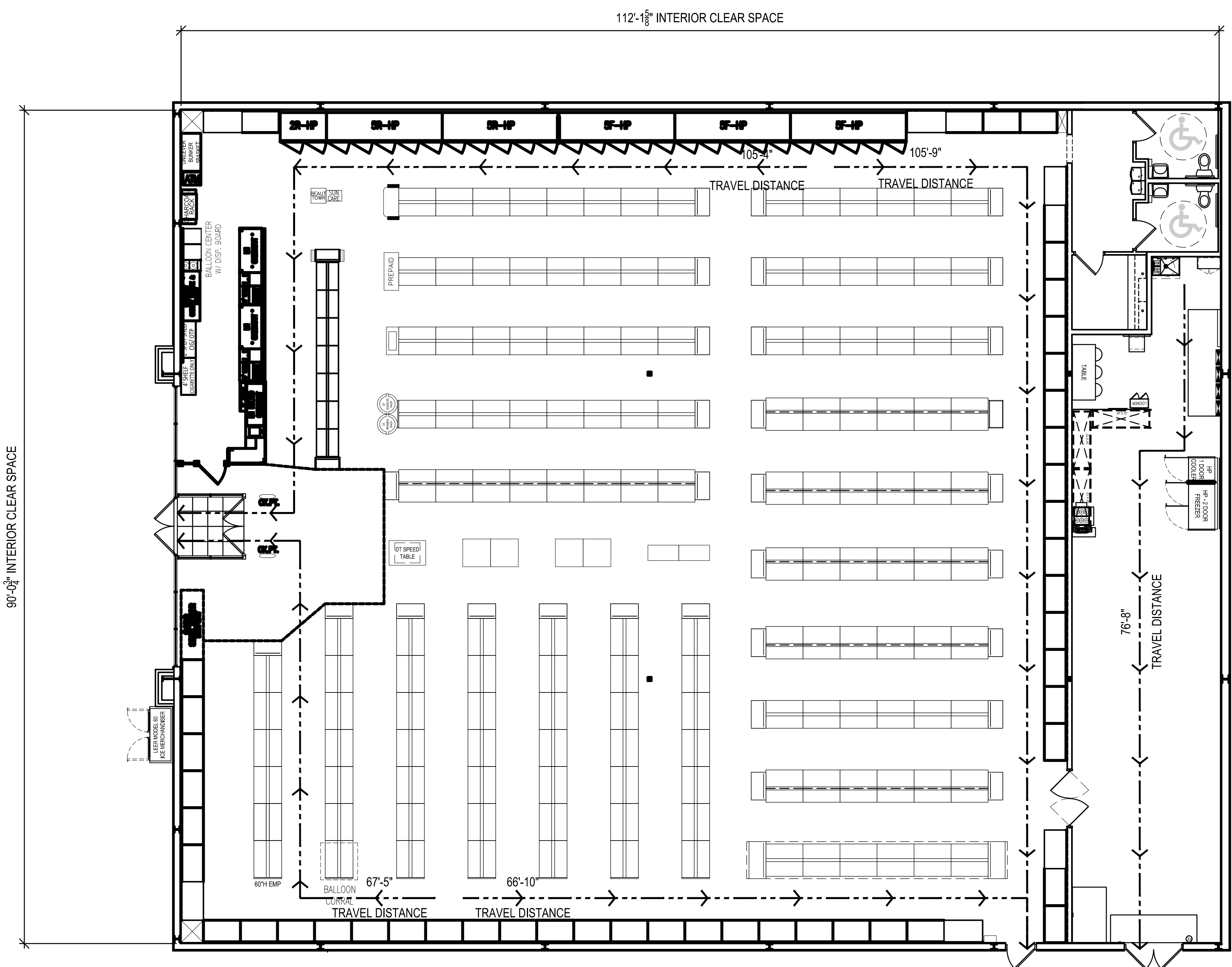
DESCRIPTION	
BY	DATE
REVISIONS	
11/24/21	21-782
DATE	PROJECT
DRAWN	CHECKED
KR	DSS



FAMILY ODDIAR
FREESTANDER
651 UNIONVILLE RD. SEBEWING, MI 48759

PROJECT
DRAWING
SHEET

A4



NOTES:
 1. NO GONDOLA UNITS, FIXTURES, OR PALLETS SHALL BE OVER 8'-0" A.F.F.
 2. FIXTURE PLAN IS "FOR REFERENCE ONLY". CONTRACTOR SHALL CONTACT FAMILY DOLLAR FOR FINAL APPROVED LAYOUT.
 3. CHECKOUTS ARE NOT ATTACHED TO FLOOR.

FIXTURE / EGRESS PLAN
 SCALE: 1/8"=1'-0"



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DATE	PROJECT	DRAWN	CHECKED
11/21/21	21-782	KR	DSS



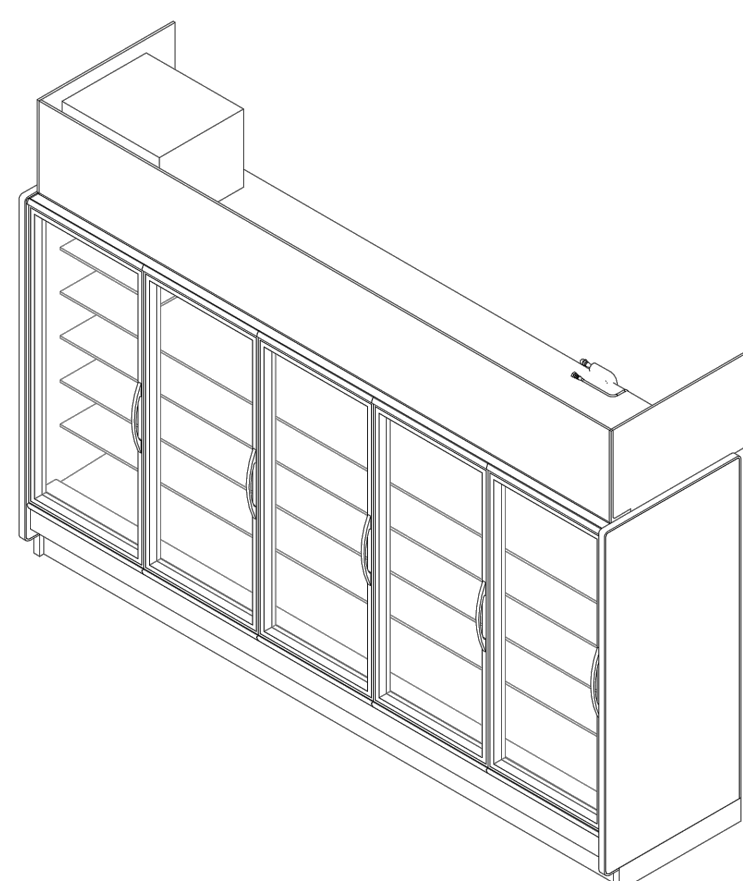
FAMILY DOLLAR
FREESTANDER
 651 UNIONVILLE RD., SEBEWAING, MI 48759
 FIXTURE / EGRESS PLAN

REACH-IN FREEZER/COOLER UNIT

JNRBHS

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)

- GENERAL NOTES:**
- Lighting Controls and Anti-Sweat Heat Controls are Required
 - Option 1: OEM Provided: Occupancy Sensor Based Lighting Controls (On/Off) & Hillphoenix provided embedded Anti-Sweat Controls are standard, unless otherwise specified
 - Option 2: End User Provided: Lighting Controls should be Occupancy Sensor Based or on a minimum 8 Hour Off Schedule. Customer provided A/S Heat Controls should be set to 30% minimum off time at 75°F/55%RH
 - 1 Door & 4' case lengths available in 120V R404A condensing unit configuration.
 - 2, 3, 4 & 5 door lengths available in 208V R404A/R448A condensing unit configuration.



SHIPPING WEIGHT

Case	Weight
JNRBHS	---

JNRBHS

Rev. Date	Rev. #	Rev. Title
10-16-19	11	DATA UPDATE
10-16-19	10	ENDVIEW UPDATE



REACH-IN FREEZER/COOLER SHEET 1 OF 8

JNRBHS (R404A)

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)

SYSTEM REQUIREMENT (R-404A REFRIGERANT)

Case Length	Volts	Phase	Frequency	Minimum Circuit Ampacity (MCA)	Maximum Overcurrent Protection (MOP)
2 Door	208	1	60	16.3	20
3 Door	208	1	60	16.5	20
4 Door	208	1	60	16.6	20
5 Door	208	1	60	18.4	20

GUIDELINES AND CONTROL SETTINGS (R-404A REFRIGERANT)

Case Length	Application	Superheat Set Point @ Bulb (°F)	Set Point Differential (°F)	Discharge Air Velocity (FPM)
2-5 Door	Beverage	6-8	35	230
2-5 Door	Dairy	6-8	30	230
2-5 Door	Deli	6-8	29	230

CONDENSING UNIT DATA (R-404A REFRIGERANT)

Case Length	Volts	Phase	Frequency	Horsepower	Running Load Amps (RLA)	Locked Rotor Amps (LRA)	Refrigerant	Lbs. of Refrigerant
2 Door	208	1	60	1/3	4.2	16.8	R404A	2.2
3 Door	208	1	60	1/3	4.2	16.8	R404A	2.6
4 Door	208	1	60	1/3	4.2	16.8	R404A	3.0
5 Door	208	1	60	1/2	5.3	26.5	R404A	3.5

DEFROST CONTROLS (R-404A REFRIGERANT)

Case Length	Defrosts Per Day	Run Off Time (Min)	Fail-Safe (Min)	Termination Temp (°F)
2-5 Door	2	0	46	44

DEFROST SCHEDULE (R-404A REFRIGERANT)

Defrosts Per Day	Time
2	12 a.m. - 12 p.m.

NOTES:

- "-" indicates that this feature is not an option on this case model.
- Listed discharge air velocity represents the average velocity at the peak of defrost.
- Temperature and defrost settings listed below are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.
- The recommended evaporator temperatures may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.
- The 24 Hour Energy Value is based upon AHRI 1200 test conditions with Hillphoenix provided Lights, occupancy sensor based (on/off) lighting control and dew point based anti-sweat heat controller.

JNRBHS (R404A)

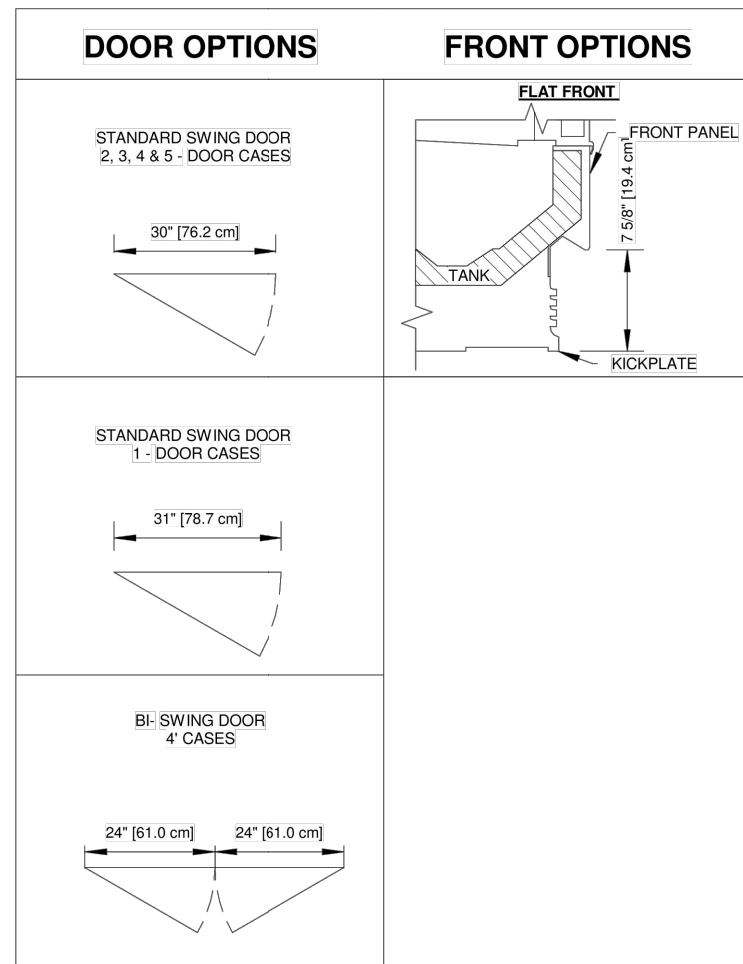
Rev. Date	Rev. #	Rev. Title
10-16-19	11	DATA UPDATE
10-16-19	10	ENDVIEW UPDATE



REACH-IN FREEZER/COOLER SHEET 2 OF 8

JNRBHS

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)



JNRBHS

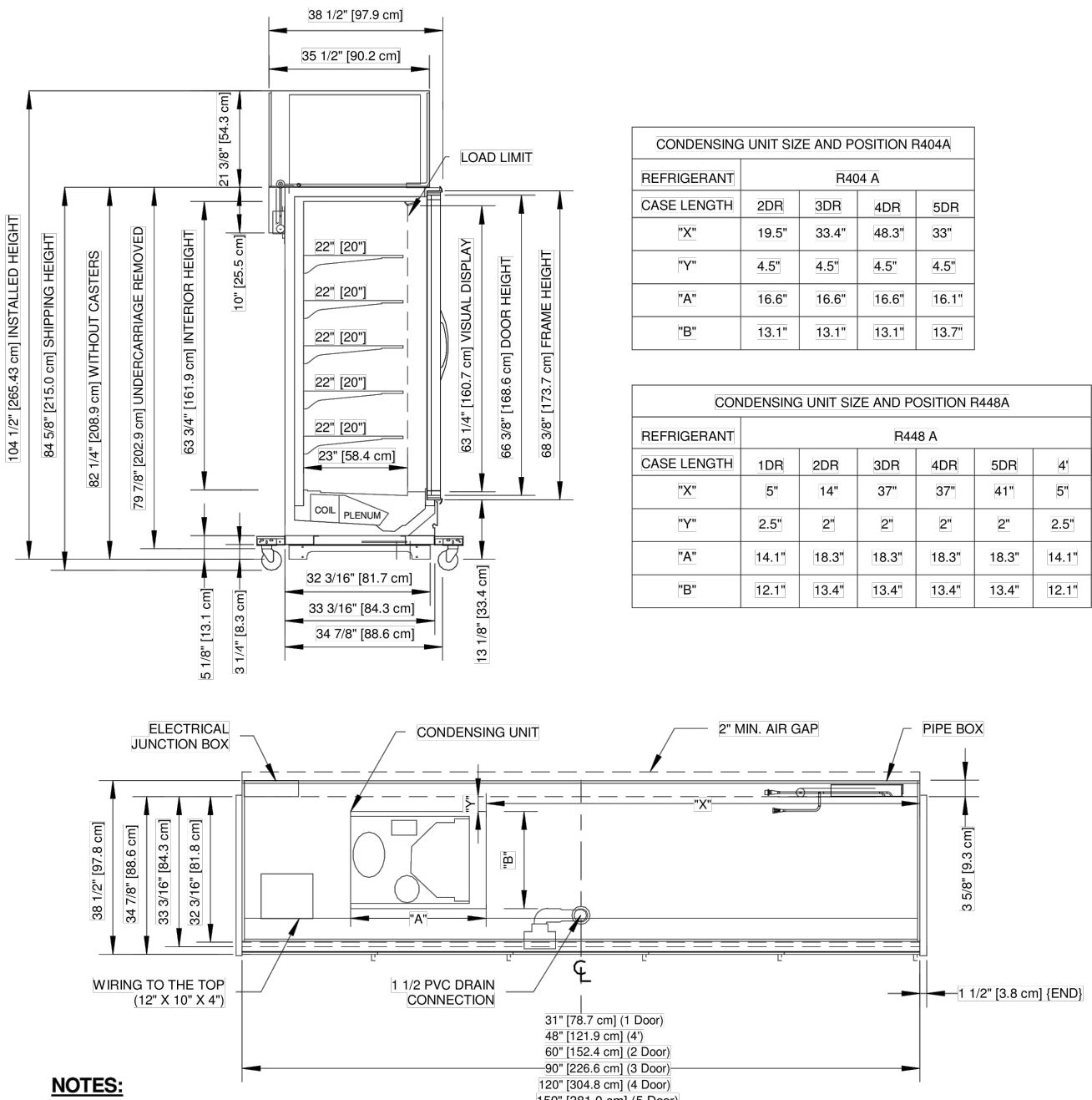
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10-16-19	11	DATA UPDATE
10-16-19	10	ENDVIEW UPDATE



REACH-IN FREEZER/COOLER SHEET 3 OF 8

JNRBHS

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)



JNRBHS

Rev. Date	Rev. #	Rev. Title
10-16-19	11	DATA UPDATE
10-16-19	10	ENDVIEW UPDATE

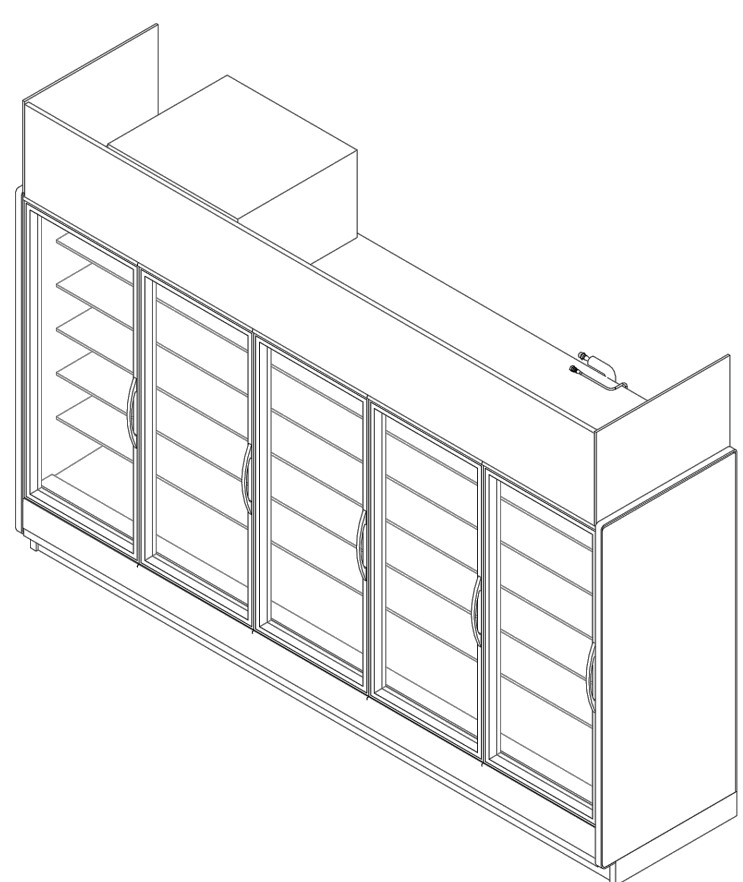


REACH-IN FREEZER/COOLER SHEET 4 OF 8

JNRZHS

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)

- GENERAL NOTES:**
- Lighting Controls and Anti-Sweat Heat Controls are Required
 - Option 1: OEM Provided: Occupancy Sensor Based Lighting Controls (On/Off) & Hillphoenix provided embedded Anti-Sweat Controls are standard, unless otherwise specified
 - Option 2: End User Provided: Lighting Controls should be Occupancy Sensor Based or on a minimum 8 Hour Off Schedule. Customer provided A/S Heat Controls should be set to 30% minimum off time at 75°F/55%RH
 - 2, 3, 4 & 5 door case lengths are available in 208V R404A / R448A Condensing Unit Configuration



SHIPPING WEIGHT

Case	Weight
JNRZHS	---

JNRZHS

Rev. Date	Rev. #	Rev. Title
10-17-19	7	ENDVIEW UPDATE
9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 5 OF 8

JNRZHS (R404A)

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)

SYSTEM REQUIREMENT (R404A)

Case Length	Volts	Phase	Frequency	Minimum Circuit Ampacity (MCA)	Maximum Overcurrent Protection (MOP)
2 Door	208	1	60	24.1	30.0
3 Door	208	1	60	24.9	30.0
4 Door	208	1	60	25.3	30.0
5 Door	208	1	60	30.0	30.0

GUIDELINES AND CONTROL SETTINGS (R404A)

Case Length	Superheat Set Point @ Bulb (°F)	Set Point Differential (°F)	Discharge Air Velocity (FPM)
2 Door	3-5	6	-9
3 Door	3-5	6	-9
4 Door	3-5	6	-9
5 Door	3-5	6	-9

CONDENSING UNIT DATA (R404A)

Case Length	Volts	Phase	Frequency	Horsepower	Running Load Amps (RLA)	Locked Rotor Amps (LRA)	Refrigerant	Lbs. of Refrigerant
2 Door	208	1	60	3/4	9.0	43.0	R404A	2.8
3 Door	208	1	60	1	9.3	46.0	R404A	3.4
4 Door	208	1	60	1 1/4	12.6	55.0	R404A	3.7
5 Door	208	1	60	2	12.0	56.0	R404A	6.2

DEFROST CONTROLS (R404A)

Defrosts Per Day	Run Off Time (Min)	Fail-Safe (Min)	Termination Temp (°F)
1	0	46	48

DEFROST SCHEDULE (R404A)

Defrosts Per Day	Time
1	12 midnight

NOTES:

- "-" indicates that this feature is not an option on this case model.
- Listed discharge air velocity represents the average velocity at the peak of defrost.
- Temperature and defrost settings listed below are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.
- The recommended evaporator temperatures may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.
- The 24 Hour Energy Value is based upon AHRI 1200 test conditions with Hillphoenix provided Lights, occupancy sensor based (on/off) lighting control and dew point based anti-sweat heat controller.

JNRZHS (R404A)

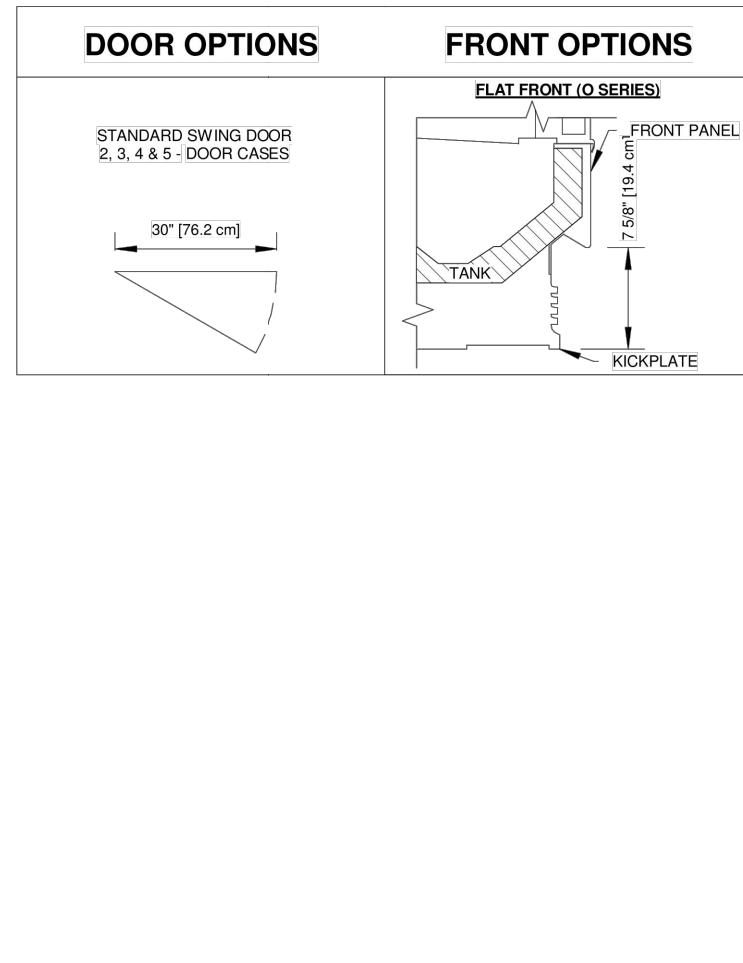
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10-17-19	7	ENDVIEW UPDATE
9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 6 OF 8

JNRZHS

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)



JNRZHS

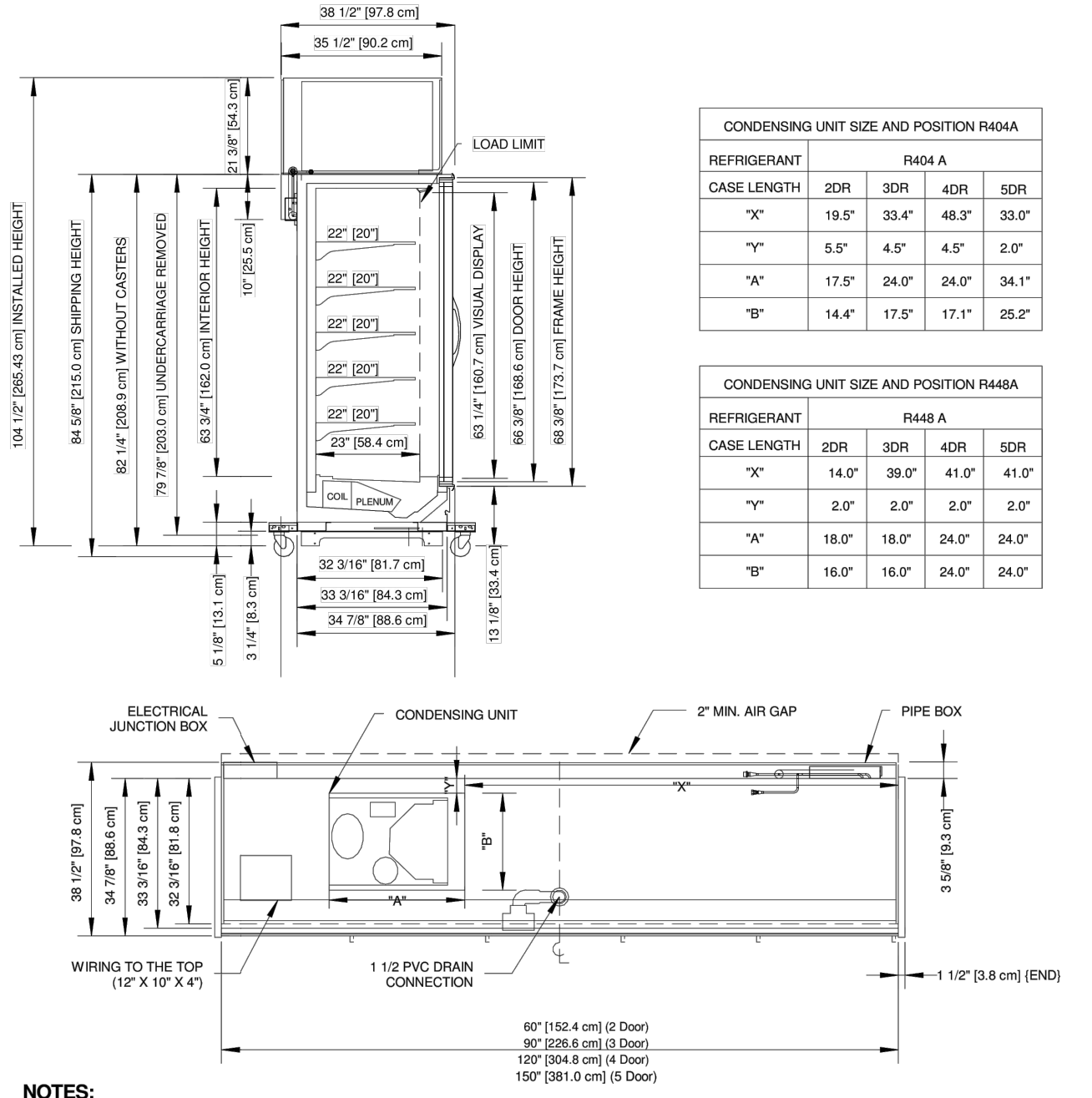
Rev. Date	Rev. #	Rev. Title
10-17-19	7	ENDVIEW UPDATE
9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 7 OF 8

JNRZHS

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)



JNRZHS

Rev. Date	Rev. #	Rev. Title
10-17-19	7	ENDVIEW UPDATE
9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 8 OF 8

description
by
mark date
revisions

FOR INFORMATION ONLY

REFRIGERATION SPECIFICATIONS
REACH-IN UNITS DETAILS AND SPECIFICATIONS

project drawing

FOR REFERENCE ONLY

DS1

I. GENERAL CONTRACTOR'S RESPONSIBILITIES:

- a. Read Cylon Retail Solutions (CRS) / Dollar Tree (DT) Documentation Package.
- b. Review all DT drawings.
 - Contact Cylon Retail Solutions Inc. at (888) 211-6789 and submit a fully completed EMS Installation Survey.
 - Confirm CRS Survey Form is fully completed and EMAILED to CRS National Account Team at Surveys@Cylon.com or FAXED to (855) 224-0879, 24 Hours Prior to scheduling the EMS Commissioning.
 - EMS Commissioning dates cannot be scheduled until fully completed EMS Installation Surveys have been received and approved by the CRS National Deployment Team.
- c. Schedule remote EMS commissioning 24 hours prior to the requested commissioning date.

II. ELECTRICAL RESPONSIBILITIES:

Power to all EMS equipment and devices must be OFF while terminations are made.

- a. Provide all labor and installation material, as required, for a complete and operational EMS for this DT store location.
 - b. Receive and store all CRS material in a dry and secure place until the EMS installation is completed.
 - c. The EMS equipment will be supplied by CRS and installed by an approved DT contractor.
 - d. Review the entire set of plans, perform a job site survey and inventory the CRS equipment to ensure the proper equipment has been ordered and received for a complete and operational CRS EMS.
 - e. If any material is missing or additional equipment is required, immediately call CRS at (888) 211-6789 to request an order.
 - f. Approved Contractor shall verify number of controlled lighting circuits against the design, report discrepancies, which cannot be resolved in the field, to the CRS National Account Support Team at (888) 211-6789 and wait for resolution instructions.
 - g. Coordinate the EMS installation with the Mechanical Contractor to avoid any interference that may delay progress during construction.
 - h. Perform all work in accordance with all National, State and Local Codes for this project.
 - i. All EMS cables are to be installed per National and Local Codes. It is the Electrical Contractor's responsibility to determine if National and Local Codes permit Class 2 cables to be installed exposed within the building structure or if a full conduit system is required.
 - j. EMT connectors and bushings are to be installed at the top of every conduit sleeve and threaded connector to protect EMS cables from abrasions.
 - k. All cables are to be clearly and distinctly labeled within one foot of both ends.
 - l. Furnish and install all required conduit, boxes, wire ways, fittings, straps, hangers and wiring for a complete and operational EMS as required.
 - m. Furnish and install a dedicated 120 VAC circuit with breaker lock for the EMS Panel.
 - i. Label breaker: DO NOT TURN OFF / EMS
 - ii. Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
 - n. Mount the EMS Panel adjacent to the electrical panels.
 - o. Install an Ethernet cable run from the eSCI RJ-45 jack located in the EMS Panel to the network switch specified by the DT networking team.
 - p. Call CRS at 888.211.6789 to verify Network Connectivity before proceeding with the EMS installation.
 - q. Install and terminate the CRS BACnet communication trunk, in a daisy chain fashion, from the EMS Panel to each of the Thermostat Controllers and all other BACnet devices. (see this documentation package for requirements)
 - r. When applicable, mount the Auxiliary I/O Panel adjacent to the EMS Panel and ensure both panels are connected to the same Earth Ground.
 - s. When applicable, ensure the Auxiliary I/O panel is connected in series with the other BACnet devices on the BACnet communications trunk.
 - t. Mount and terminate the Outdoor Sensor Assembly (OSA) on the HVAC unit that resides closest to the EMS Panel. When installing, make sure OSA enclosure is:
 - i. Mounted on a 1" rigid riser with an "LB" secured to the back of the OSA (Refer to OTS/OLS Detail as shown on EM-4)
 - ii. Mounted 3 feet above the HVAC unit
 - iii. Mounted facing north, away from the combustion heat blower and condenser fan
 - iv. Weather-proofed
 - v. Mounted with the white PVC sensor pointed downward
 - vi. Positioned to allow the Outdoor Light Sensor exposure to full ambient daylight but is not shadowed or exposed to any artificial illumination
 - u. When applicable, mount and terminate the CO2 Sensor as per the location specified by the DT drawings and this documentation package.
 - v. Mount and terminate the Override Button assembly as per the location specified by the DT drawings and this documentation package.
 - w. Do not adjust the DIP Switches for the EMS Override Buttons. They are factory preset for:
 - i. MSTP Address = 35
 - ii. Baud Rate = 19200
 - iii. Network Termination = Off
 - x. When applicable, mount and terminate the Indoor Ambient Light Sensor(s) as per the location specified by the DT drawings and the Special Instructions in this documentation package.
 - y. Install and wire load sides of lighting contactors for designated lighting loads and zones as required by DT and this documentation package
 - i. Employee Zone = 40% of Sales floor and 100% of all Stockroom areas
 - ii. Customer Zone = Remaining 60% of Sales Floor
 - iii. Exterior Zone = Building Exterior and Parking lights
 - iv. When applicable, Daylight Zone = First two (2) rows of lights along the store-front windows.
 - z. Furnish and install a 3-pole, 20-amp breaker/disconnect at the Main Electrical Distribution Panel (MDP) for the Phase Loss Power Monitor and Energy Meter.
 - aa. When applicable, furnish and install a 3-pole, 20-amp breaker/disconnect at each Electrical Distribution Panel for each additional Phase Loss Power Monitor
 - aa. Terminate wiring as specified in this documentation package
 - i. Label Main Electrical Distribution Panel breaker/disconnect: DO NOT TURN OFF / PHASE FAILURE & ENERGY METER
 - ii. When applicable, label auxiliary Electrical Distribution Panel breaker/disconnect: DO NOT TURN OFF / PHASE FAILURE
 - iii. Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
 - cc. Install and terminate the CRS Modbus communication trunk from the eSCI Controller to the Energy Meter. (Refer to OEM instructions and this documentation package for requirements)
 - dd. Permanently mount and terminate the Electrical Meter in close proximity to the main utility power feed.
 - ee. Permanently mount the 3 Current Sensors, one each, around the 3 phases of the main utility feed.
 - ff. Terminate the 3 Current Sensors to the Energy Meter, correctly maintaining Electrical Phase and Meter Input relationships.
 - gg. Using the OEM Instructions, configure the EMS Energy Meter for:
 - i. Proper Current Transformer (CT) Ratio - Current Sensor Primary (Ct) = 400 - 1500 Amp
 - ii. Nominal Line to Line Voltage = 480 Vac
 - iii. Baud Rate = 19200
 - iv. Address = 1
 - v. Voltage Input Mode = True 3 Phase
 - vi. CT Auto Rotation = Auto Rotate
- Note: The EMS is designed to monitor a single primary 3 phase power feed. Contact CRS for support when attempting to monitor multiple power feeds
- hh. Provide a technician, on site, for an approximate 2-hour remote telephone checkout with CRS.
 - ii. Coordinate with the Mechanical Contractor to verify HVAC control during the CRS remote telephone checkout.
 - jj. Prior to scheduling the Remote Commissioning Checkout, the Electrical Contractor will:
 - i. Confirm CRS Survey Form is completed and EMAILED to CRS National Account Team at Surveys@Cylon.com or FAXED to (855) 224-0879, 24 Hours Prior to scheduling the EMS Commissioning.
 - ii. Confirm the Mechanical Contractor will be present during the CRS Remote Commissioning Checkout.
 - iii. Contact CRS to schedule the EMS Commissioning, 24 hours prior at (888) 211-6789.

III. MECHANICAL RESPONSIBILITIES:

Power to all EMS equipment and devices must be OFF while terminations are made.

- a. Provide labor and installation material, as required, for a complete and operational EMS for this DT store location.
 - b. Verify number and type of HVAC units against the design, report discrepancies, which cannot be resolved in the field, to the CRS National Account Support Team at (888) 211-6789 and wait for resolution instructions.
 - c. Perform all work in accordance with all National, State and Local Codes for this project.
 - d. Mount and terminate the SimpleSTAT module(s) as per the location(s) specified by the DT drawings and this documentation package.
 - e. Utilizing 1/8" cable between the SimpleSTAT module and HVAC unit.
 - i. Terminate C, R, G, Y1, Y2, W1 and W2 on the HVAC unit for control of fan, cooling and heating.
 - ii. Terminate the communications cables to the SimpleSTAT(s) as shown in this documentation package.
 - f. Set address on the SimpleSTAT module, as shown in the SimpleSTAT installation instructions. When communications to the EMS is in a failed state, the SimpleSTAT will operate 24/7 as a stand-alone STAT using the following temperature setpoints:
 - i. Default Cooling Setpoint = 72.0 °F
 - ii. Default Heating Setpoint = 68.0 °F
 - g. Utilizing the Downrods and associated hardware, specified by the DT drawings and the "Special Instructions" section of this documentation package, mount and terminate the Remote Space Temperature Sensor(s) as per the location(s) specified by the DT drawings.
 - i. In close proximity to the zone return air grille and away from supply air drafts.
 - ii. Install and secure the Remote Temperature Sensor wire to the Thermostat Controller.
 - h. Mount the Supply Duct Temperature sensor on each HVAC unit.
 - i. The remote Supply Duct Temperature Sensor should be mounted in the main Supply Air Duct on the interior side of the HVAC unit's building penetration.
 - ii. Utilizing 1/8" wire, terminate the supply duct temperature sensor wire to the Thermostat module as shown in this documentation package.
 - i. Provide Electrical Contractor with roof plan layout, showing location of HVAC Units on the roof.
 - j. Provide a technician, on site, for an approximate 2-hour remote telephone checkout with CRS.
 - k. Coordinate with the Electrical Contractor to verify proper HVAC control during the CRS Remote Commissioning Checkout.
- IV. CYLON RETAIL SOLUTIONS RESPONSIBILITIES:**
- a. The following services will be supplied by CRS:
 - i. Shipping of all contracted EMS components for the job.
 - ii. Programming and downloading of CRS equipment and software.
 - iii. Provide telephone technical support at (888) 211-6789.
 - iv. Remote system checkout with installing contractor
 - b. Verification of proper operation of the following items by exercising the controlled load:
 - i. Timed operation of all applicable EMS lighting loads - Interior and Exterior.
 - ii. Outside light level control of all applicable EMS lighting loads - Interior and Exterior.
 - iii. Operation of HVAC heating stages, as indoor environment allows.
 - iv. Operation of HVAC cooling stages, as indoor and outdoor environments allow.
 - v. Verification of HVAC unit sensor readings - space and supply temperatures.
 - c. If any equipment (e.g. lighting, HVAC unit, supply air fan, etc.) cannot be operated for mechanical or electrical reasons, CRS will verify the proper operation of the EMS control devices (e.g. contactors, discrete I/O) leading up to the unit, in order to fully verify the operations of the EMS.
 - d. CRS will issue an "EMS Check-Out Number" once all store systems are verified as operational.

DEVICE LEGEND	
SYMBOL	DESCRIPTION
	HVAC UNIT CONTROLLER (SIMPLESTAT)
	HVAC UNIT CONTROLLER (TRC)
	DUCT TEMPERATURE SENSOR
	SPACE TEMPERATURE SENSOR
	OUTDOOR LIGHT SENSOR
	OUTDOOR TEMPERATURE & RELATIVE HUMIDITY SENSORS
	REMOTE TEMPERATURE SENSOR
	INDOOR CO2 SENSOR
	INDOOR RELATIVE HUMIDITY SENSOR
	INDOOR LIGHT SENSOR
	O/H DOOR SENSOR
	SECURITY INTERFACE DEVICE
	eBUILDING SYSTEM CONTROLLER
	REMOTE OVERRIDE SWITCH
	OCCUPANCY SENSOR

CABLE LEGEND				
KEY	SIZE	TYPE	MFG.	MFG. PART #
	18/2	SHIELDED PLENUM	WINDY CITY	# 002320-S
	18/4	SHIELDED PLENUM	WINDY CITY	# 002340-S
	18/8	NON SHIELDED PLENUM	WINDY CITY	# 002392-S
	18/10	NON SHIELDED PLENUM	WINDY CITY	# 002393-S
	24/8	CATS E PLENUM	WINDY CITY	# 5556140-S

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Manchester, NH 03103

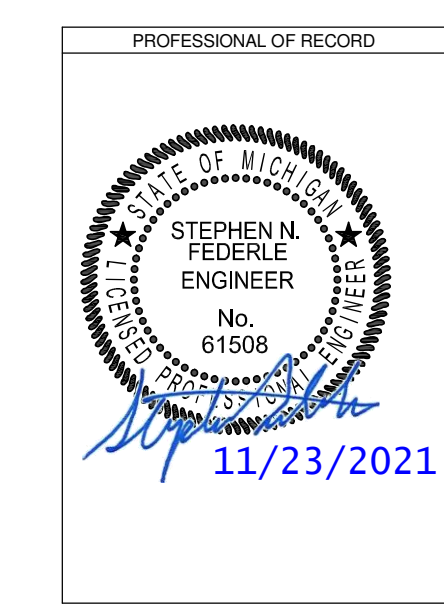
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DRAWING NOTES
(FOR REFERENCE ONLY)**

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LOOSE DT OPTION		
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REVISION:	DATE:	ECN#:
REVISION:	DATE:	ECN#:
DRAWN: WPC	ENGINEER: CGP	
PART #: 94-403	OPTION: P	

**ENERGY
MANAGEMENT
PLAN
EM-1 of 4**



DATE	PROJECT	DRAWN	CHECKED	DATE	MARK	REVISIONS
11/26/21	21-782					



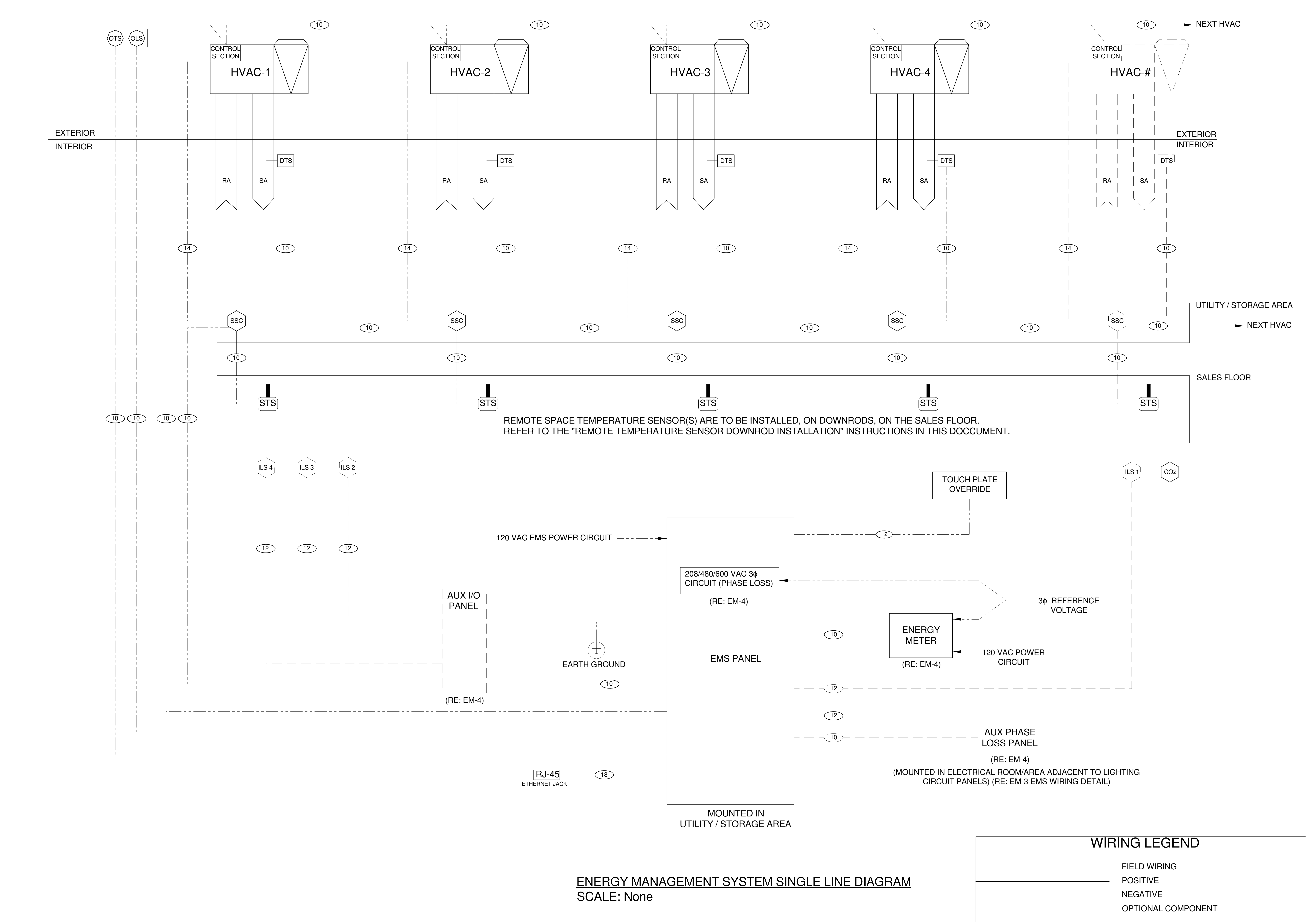
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FREESTANDER
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EMS DETAILS

PROJECT	DRAWING
SHEET	EM101

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ENERGY MANAGEMENT SYSTEM SINGLE LINE DIAGRAM
 SCALE: None

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FAMILY DOLLAR
 LINE DIAGRAM
 (FOR REFERENCE ONLY NOT TO SCALE)

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ENERGY MANAGEMENT PLAN

EM-2 of 4

KLH ENGINEERS
 MECHANICAL/ELECTRICAL ENGINEERS
 1000 W. BROADWAY
 SUITE 200
 NEW YORK, NY 10018
 TEL: 212 512 2000
 FAX: 212 512 2001

DATE	PROJECT	DRAWN	CHECKED	DATE	DESCRIPTION
11/26/21	21-782				

PROFESSIONAL OF RECORD

STEPHEN N. FRESHEL
 ENGINEER
 No. 61503
 11/23/2021

FAMILY DOLLAR
 FREESTANDER
 651 UNIONVILLE RD. SEBEWANG, MI 48759

EMS DETAILS

PROJECT: DRAWING

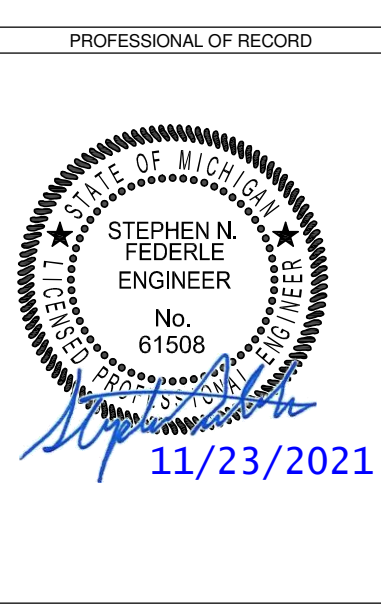
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KLH PROJECT 23698

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11/26/21	21-782		
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		MARK	
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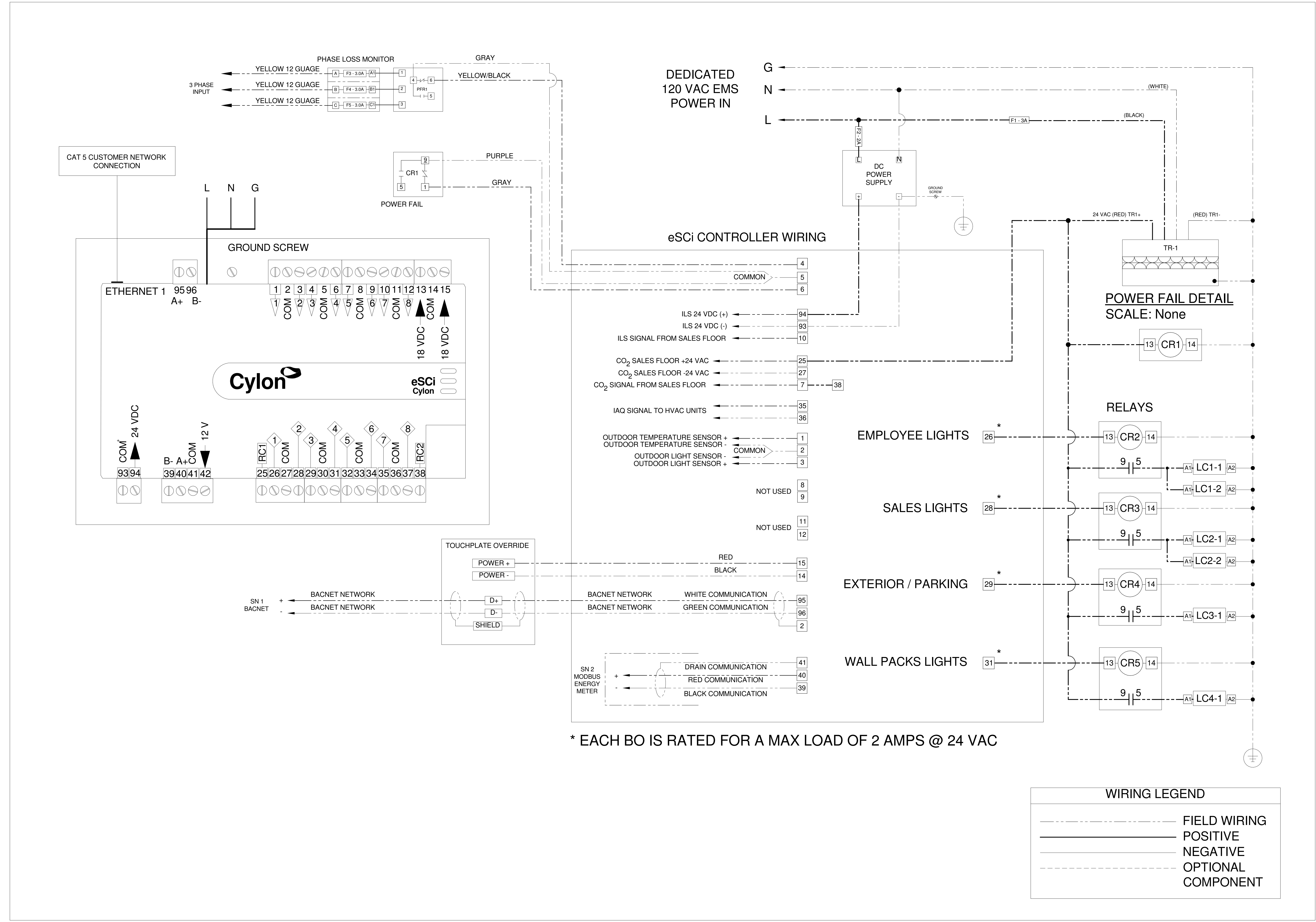
Cylon
 RETAIL SOLUTIONS
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 Manchester, NH 03103

FAMILY DOLLAR FIELD WIRING

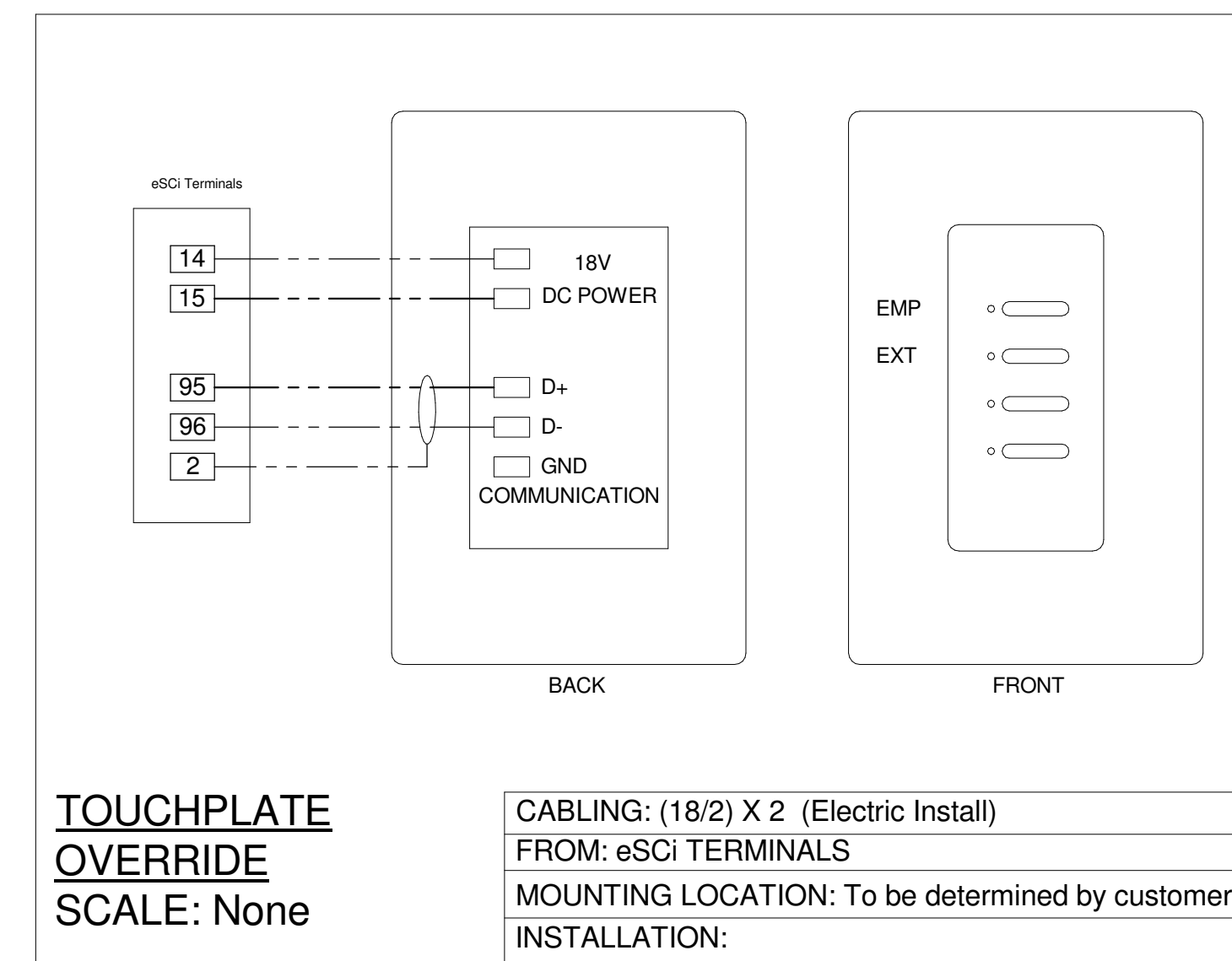
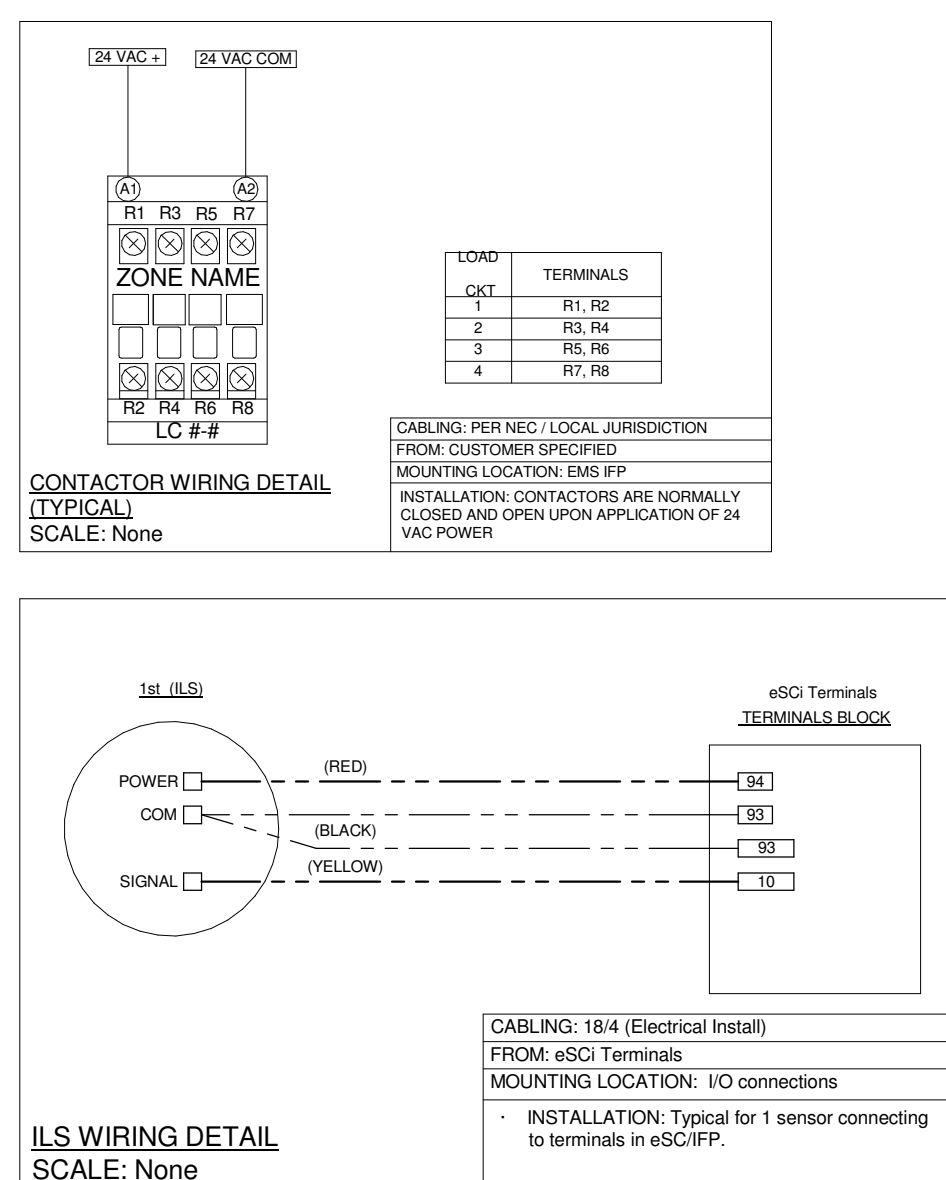
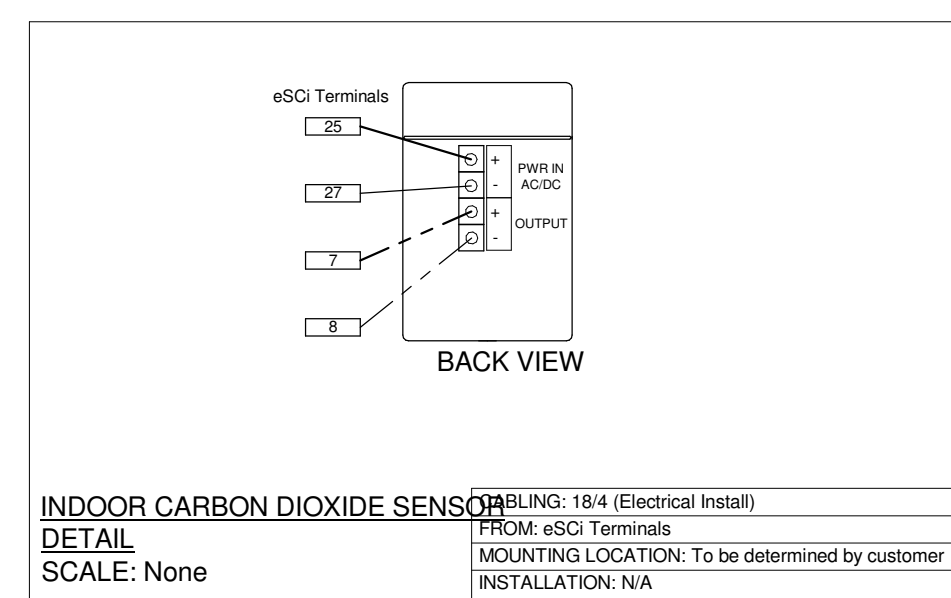
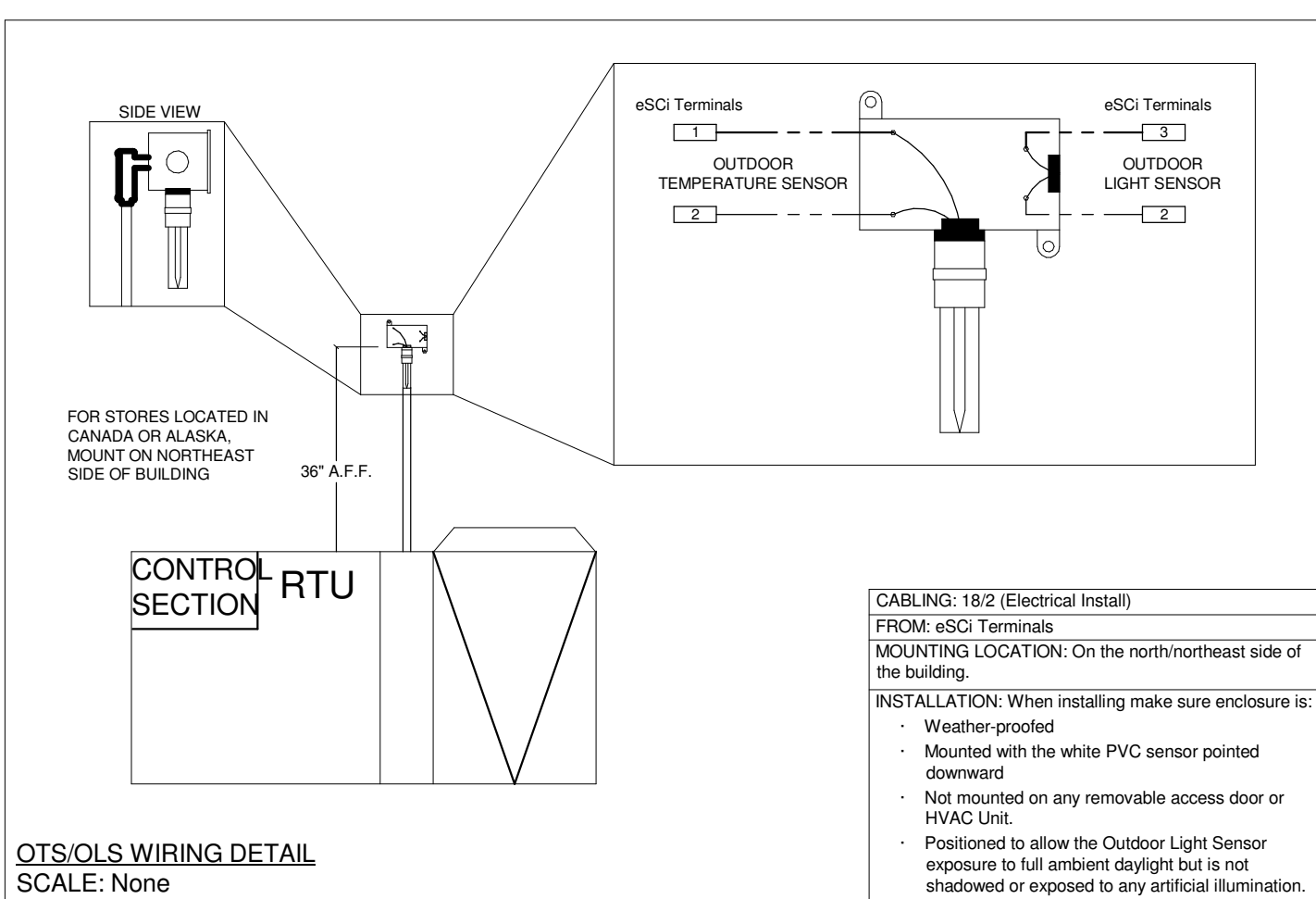
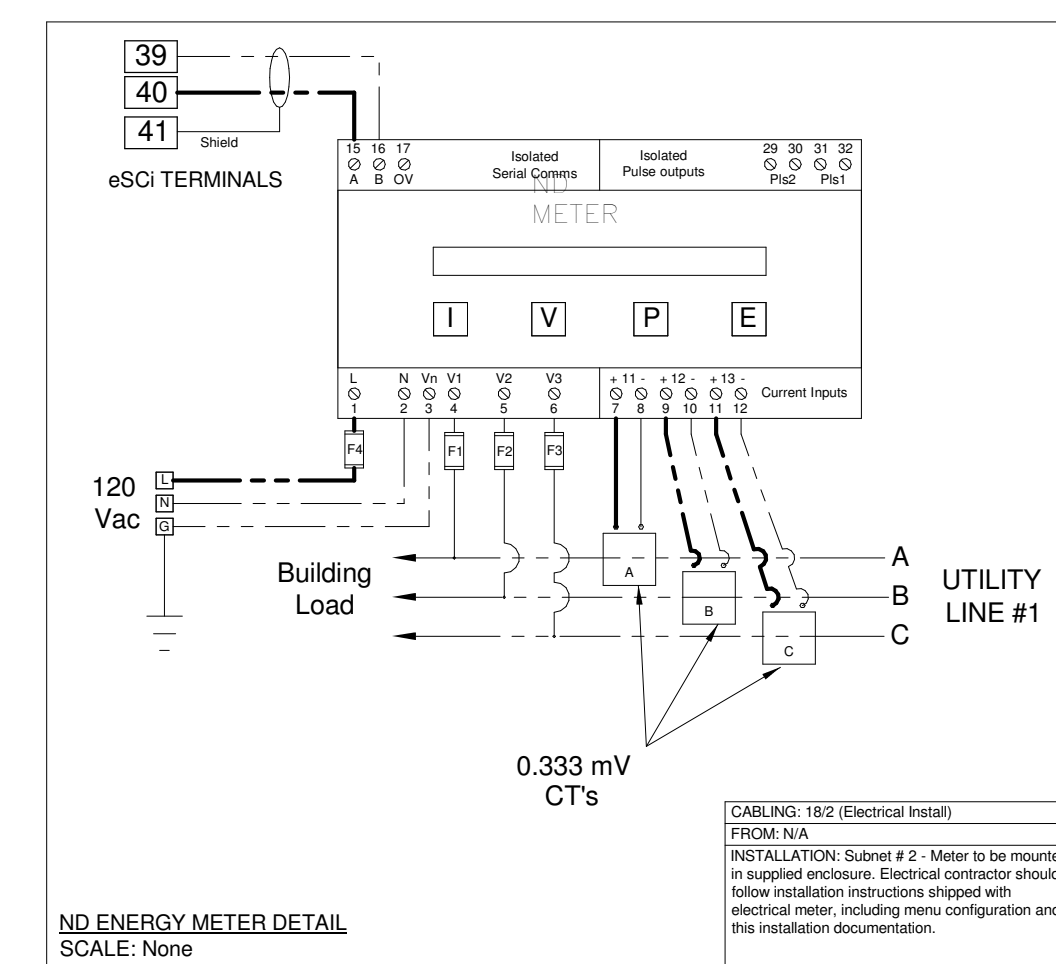
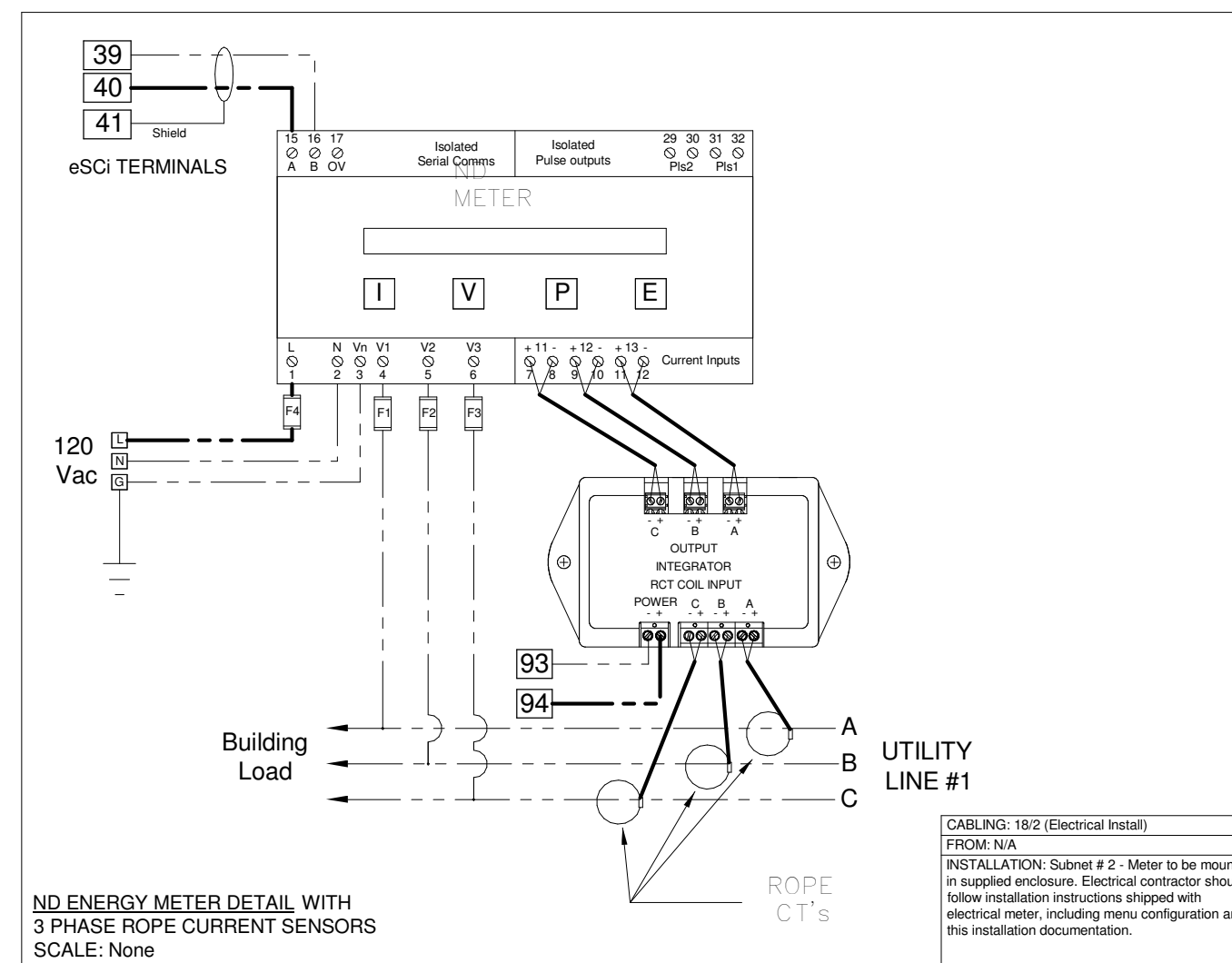
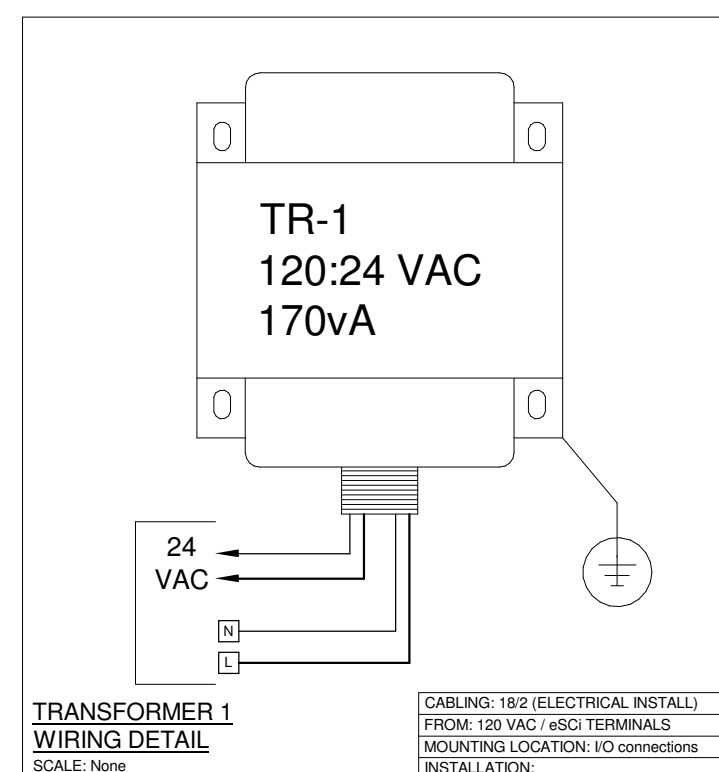
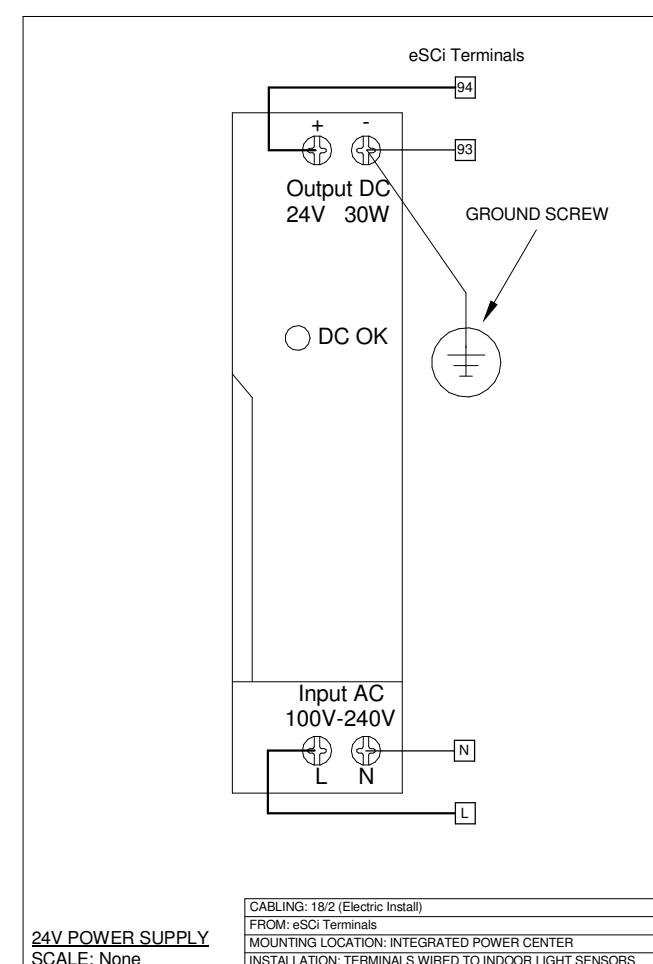
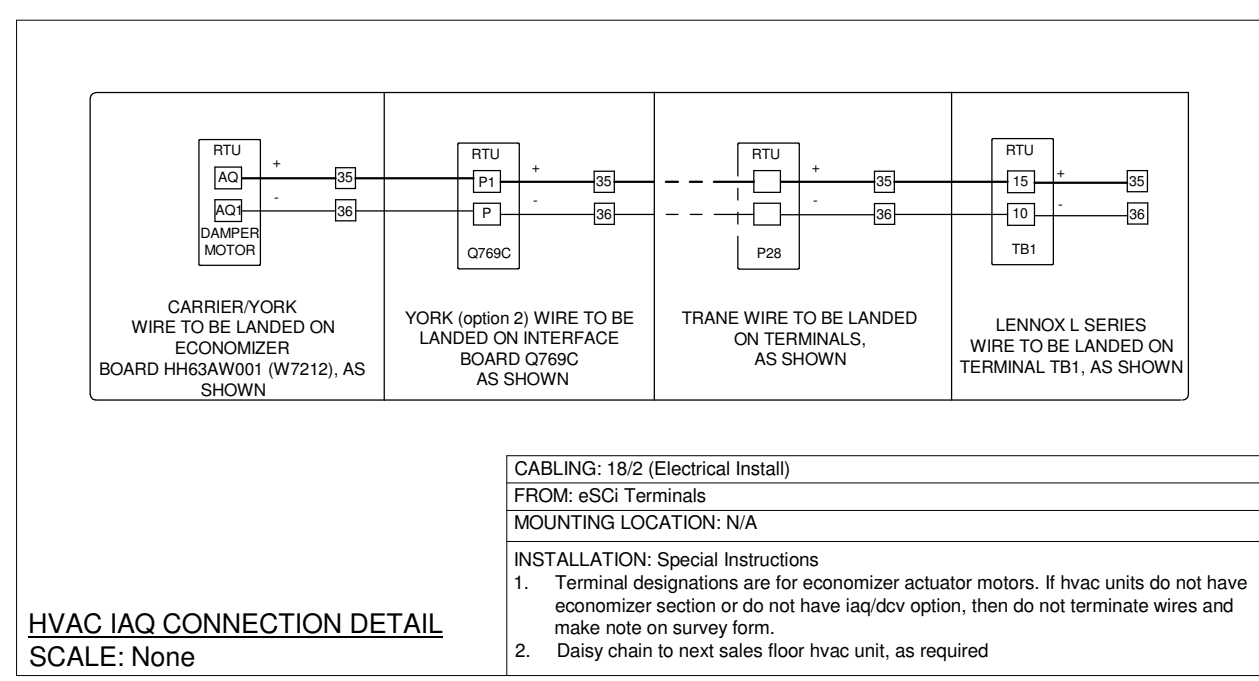
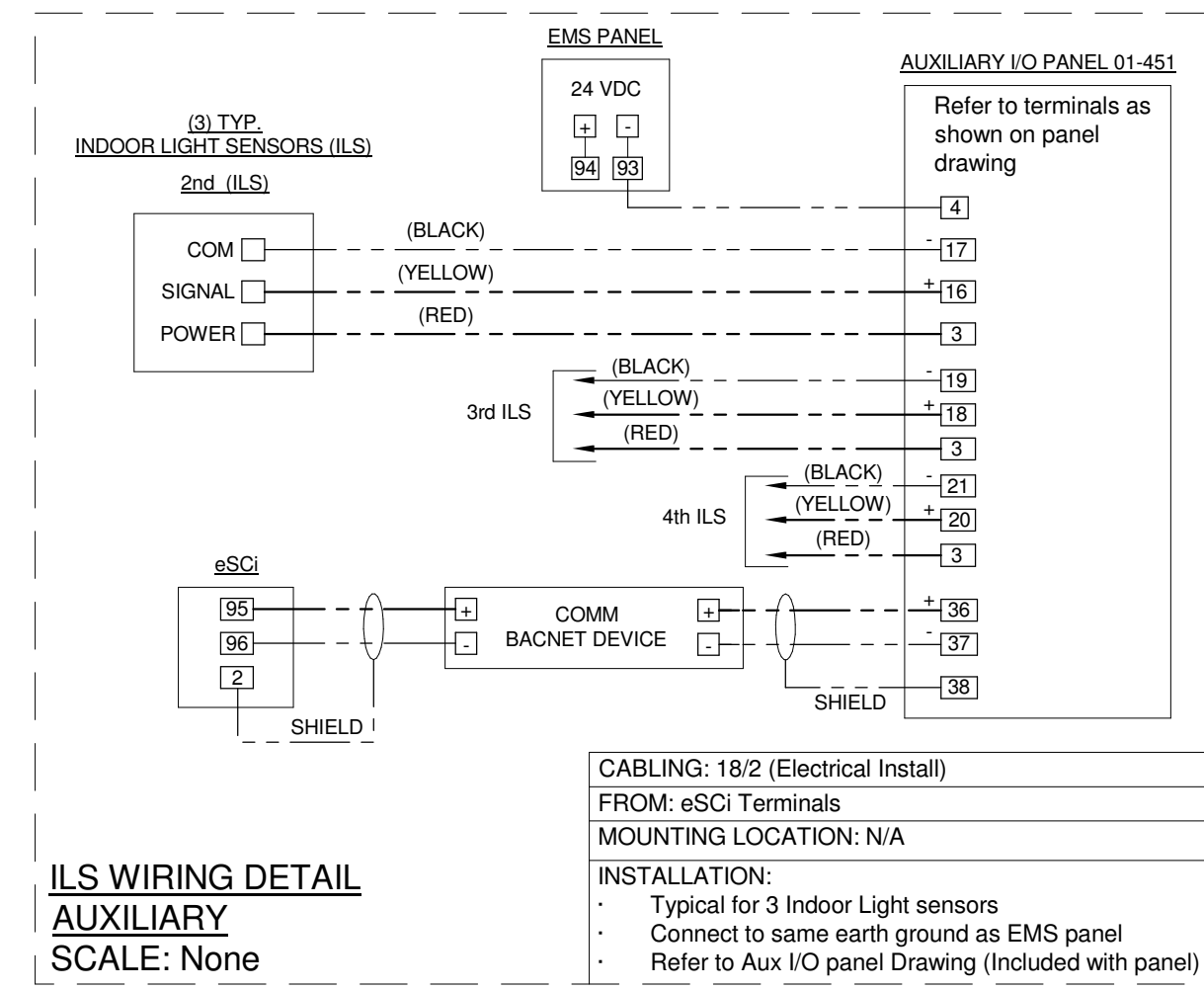
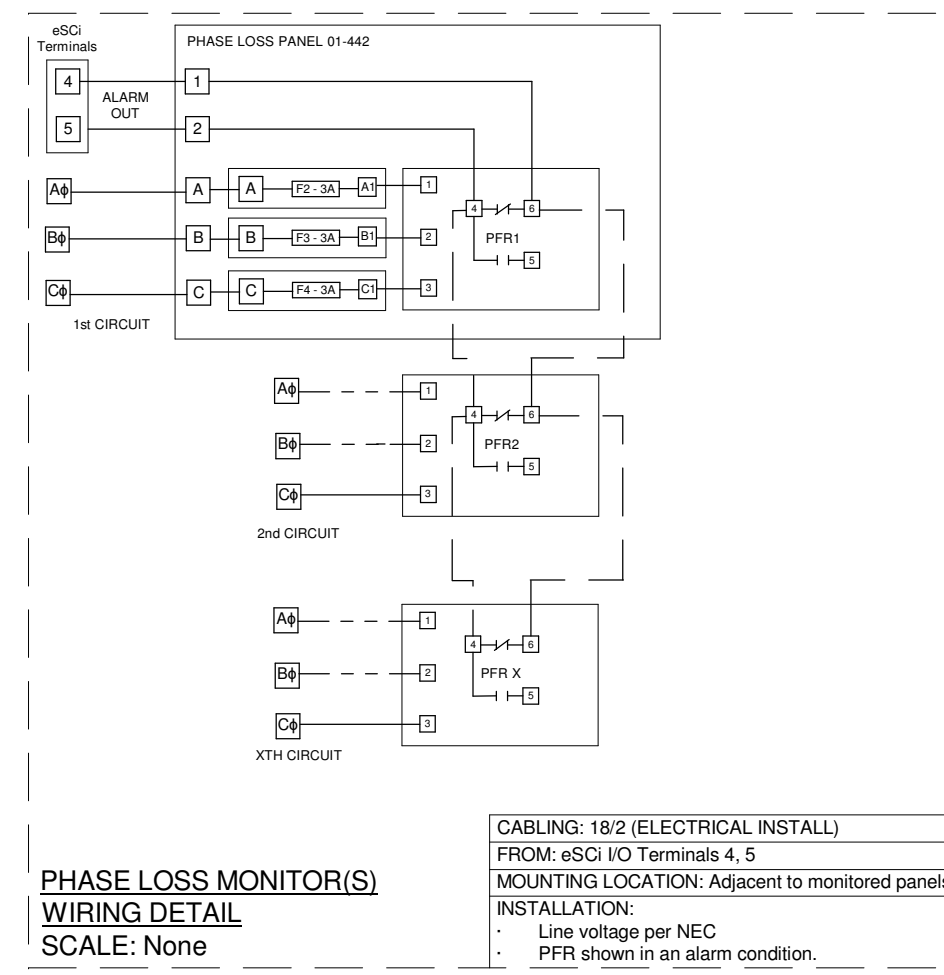
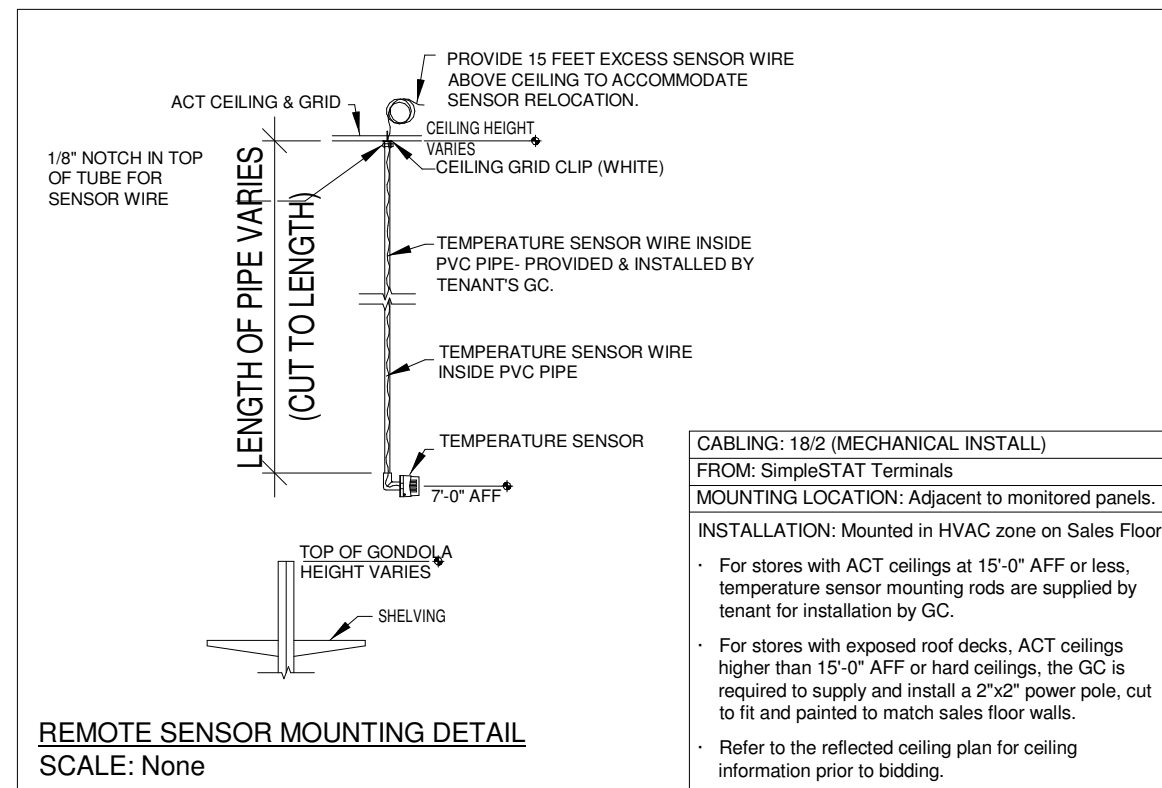
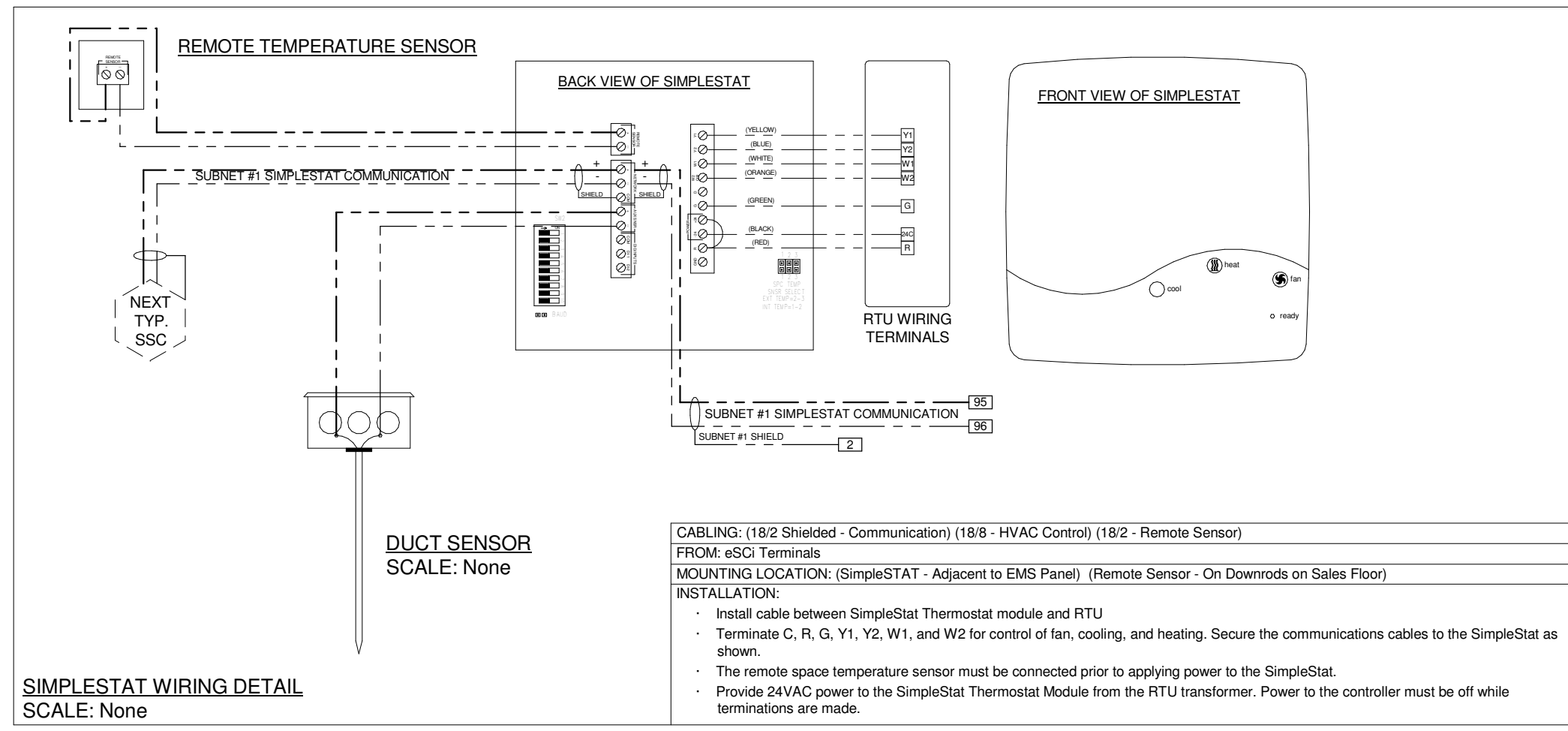
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ENERGY MANAGEMENT PLAN
 EM-3 of 4



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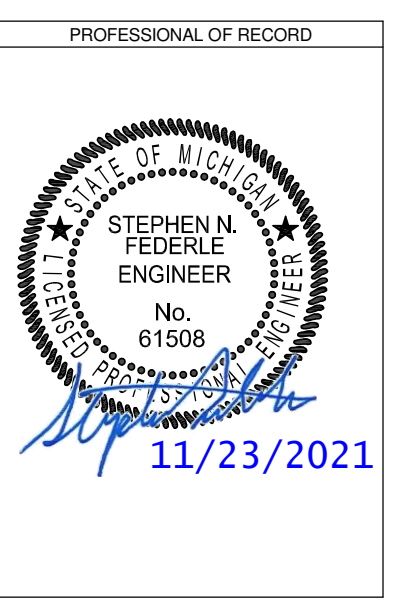
ENERGY MANAGEMENT PLAN

EM-4 of 4



DESCRIPTION	BY	DATE

DATE	PROJECT	DRAWN	CHECKED	DUR	LOG
11/26/21	21-782				



FAMILY DOLLAR
FREESTANDER
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EMS DETAILS

PROJECT DRAWING

SHEET EM104

KLH PROJECT 23698

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