



City of Willowick
PLAN REVIEW BOARD

Thursday, April 27, 2023 at 3:00 PM
Willowick Building & Service Center

ADA NOTICE

In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify the City of Willowick at 440-585-3700 at least three working days before the meeting.

AGENDA

1. **Call meeting to order**
2. **Roll call**
3. **Approval of minutes**
 1. Plan Review Board Minutes - April 13th, 2023
4. **New business**
 1. Dollar Tree - Located at 30930 Lakeshore Blvd.
 2. One Oak Tree LLC DBA Winner's Paradise - Located at 31442 Vine Street
5. **Public portion**
6. **Old business**
7. **Miscellaneous**
8. **Adjournment**



City of Willowick
PLAN REVIEW BOARD

Thursday, April 13, 2023 at 3:00 PM
Willowick Building & Service Center

ADA NOTICE

In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify the City of Willowick at 440-585-3700 at least three working days before the meeting.

MINUTES

1. Call meeting to order

Chief Brennan called the April 14th, 2023, Plan Review Board meeting to order at 3:00pm.

Roll call

PRESENT

Chief Brennan

Tim McLaughlin

Mike Lazor

Ken Pintar

ABSENT

Chief Turner

Chief Malovrh Jr.

Approval of minutes

Plan Review Board Minutes - March 23rd, 2023

Motion to approve the March 23rd, 2023, meeting minutes made by Tim McLaughlin, Seconded by Mike Lazor.

Voting Yea: Chief Brennan, Tim McLaughlin, Mike Lazor,

New business

Aarons - Located at 29850 - 29900 Lakeshore Blvd.

Brett Kemp was present representing Aarons located at 29850 - 29900 Lakeshore Blvd, the formal address will be 29850 Lakeshore Blvd.

Chief Brennan stated that Aarons is looking to open a new store in our city, there services include leasing to own furniture and retail selling of household items, this is located in a retail district and is allowed. Mike Lazor asked Mr. Kemp if this business is relocating from Eastlake to Willowick or is this a new store front, Mr. Kemp stated that they are essentially merging two locations (one in Euclid and one in Eastlake) into one store in Willowick. There will be no alterations outside, only to the inside of the store. Mrs. Antosh asked if all the furniture items will be moved from other stores into this store in

Willowick, Mr. Kemp stated that this location will be a retail area so some will moved in this location and some will be new items.

Motion made to approve Aarons located at 29900 Lakeshore Blvd. by Mike Lazor, Seconded by Tim McLaughlin.

Voting Yea: Chief Brennan, Tim McLaughlin, Mike Lazor

Tesla, Inc - Located at 30320 Lakeshore Blvd.

Sarah Honeycutt was present representing Tesla, Inc located at 30320 Lakeshore Blvd. as the engineering company.

Mrs. Honeycutt stated that the scope of work submitted encompasses about everything, she wanted to add that there are going to be 12 stalls. They plan to add a landscaping island near the charging stations, the equipment being installed are 3 cabinets that power the 12 charging posts, each cabinet covers 4 posts and a utility transformer. Chief Brannan asked Mrs. Honeycutt regarding the location of the 12 charging posts, Mrs. Honeycutt stated they are all aligned together on the same side of the building. Mike Lazor asked if there is going to be a canopy over the charging stations, Mrs. Honeycutt stated that there would not be. Mrs. Honeycutt advised that the majority of the work is electrical with some concrete work and pavement removal. Chief Brennan asked if they will be trenching out to Lakeshore Blvd. across the property, she responded that yes, they are trenching out to Lakeshore. Chief Brennan asked if they would be only taking up 4 parking spots for the transformer, Mrs. Honeycutt stated that is correct. Ken Pintar asked about traffic issues as many people use that entrance, Chief Brennan stated that it will be tucked away some from the main entrance. Mr. McLaughlin advised that this will not disturb the main entrance. There was discussion amongst the board regarding the specific location of the charging posts. Mike Lazor asked how long a Tesla takes to charge and Mrs. Honeycutt stated that if the vehicle is at 5% charge it will take about 30 minutes to get to a 75% charge. Chief Brennan asked about payment, how does a customer pay for their charge, Mrs. Honeycutt stated that is all handled through an app either right through the car or on their cell phone.

Motion made to approve Tesla, Inc located at 30320 Lakeshore Blvd. by Chief Brennan, Seconded by Mike Lazor.

Voting Yea: Chief Brennan, Tim McLaughlin, Mike Lazor

Public portion

None.

Old business

None.

Miscellaneous

None.

Adjournment

Motion made to adjourn the April 13th, 2023, Plan Review Board meeting at 3:19pm by Mike Lazor, Seconded by Tim McLaughlin.

Voting Yea: Chief Brennan, Tim McLaughlin, Mike Lazor



**CITY OF WILLOWICK PLAN REVIEW BOARD
APPLICATION FOR PERMIT TO OCCUPY FOR
BUSINESS, COMMERCIAL, INDUSTRIAL, ETC.
YOU MUST FILL OUT ENTIRE APPLICATION
440-516-3000**

PERMIT FEE: \$60.00
DATE: 04/04/2023

Location of Occupancy: 30930 Lakeshore Blvd Willowick, OH 44095 Business Name: Dollar Tree Store # 9459
(ADDRESS)
Business Owner's Name & Address: Dollar Tree Stores 500 Volvo Parkway
CITY/STATE/ZIP: Chesapeake, VA 23320
Telephone Number: 757-321-5000 Fax Number: Federal ID Number: 54-1387365
Or Social Security Number

OWNER OF PROPERTY/NAME/ADDRESS/TELEPHONE NUMBER:
Bob Waugh 30930 Lakeshore Blvd. Willowick, OH 44095 240-712-1219 bwaugh1@msn.com

SUBMIT NEW DETAILED FLOOR PLAN: ☒ SQ. FT. HABITABLE FLOOR AREA FOR OCCUPANCY: 10,280 SF
Building Size: 10,280 SF Total Number Of Employees: 4
Intended Number of Occupants: 142 Total Number of Seating: existing by landlord.
Site Plan With Number of Paved Parking Spaces: to remain unchanged Hours Of Operation: 9am-9pm
Letter of Intent Previous Use Proposed Use: M - Mercantile

NAME OF PRINCIPAL OR CONTACT PERSON FOR NEW BUSINESS: HARVEY SPENCER
Home Address/City/Zip: 500 VOLVO PKY Chesapeake, VA 23319 Telephone Number: 757-991-5147

I hereby certify that the above questions have been answered correctly by me and that the premises will be used for the purpose stated above. Any change in the purpose of occupancy will not be made without approval from Lake County Building, Willowick Fire & Willowick Zoning Department. A final approval by The Willowick Building Dept. (440)516-3000 or a representative thereof, must be complied with before opening of business. I do hereby further agree to maintain the above premises in compliance with the ordinances of the City of Willowick.

Applicant's Signature: [Signature] Date: 4-5-23

Office use only:

Zoning District: Authorized Occupants:
TEMPORARY APPROVED BY: Date:
Zoning Dept. Inspected by: DATE:
Zoning Permit # Zoning Permit Fee \$
Fire Dept. Inspected By: Date:

CITY OF WILLOWICK-APPLICATION FOR COMMERCIAL ESTABLISHMENT LICENSE REQUIRED AFTER APPROVAL
Note* A separate permit is required for all new signs from the Willowick Building Department.

**Property Address:**

Northshore Mall
30930 Lakeshore Blvd.
Willowick, OH

Dear Citizens, Neighbors and Friends of Willowick,

We cordially ask for approval to open a store in the Northshore Mall Shopping Center. This 10,287sf store is consistent with a full-sized prototypical Dollar Tree with a full line of assortments.

The Dollar Tree segment offers merchandise at the fixed price of \$ 1.25. It provides consumable merchandise, which includes everyday consumables, such as household paper and chemicals, food, candy, health, personal care products, and frozen and refrigerated food; variety merchandise comprising toys, durable housewares, gifts, stationery, party goods, greeting cards, softlines, arts and crafts supplies, and seasonal goods that include Christmas, Easter, Halloween, and Valentine's Day merchandise.

Our store will be open 7 days a week Monday thru Sunday – 9am to 9pm.

We hire 18-22+ employees from the surrounding community. Our positions range from Area Manager, Store Managers, Assistant SMs, Full Time Employees & Part Time Employees.

At Dollar Tree, primary goal is to build a diverse and inclusive workforce where our individual differences are respected and appreciated.

We get truck deliveries Once to Twice a week and our snack vendors can vary.

Our plan is to have our Grand Opening early Q4 2024.

Company:

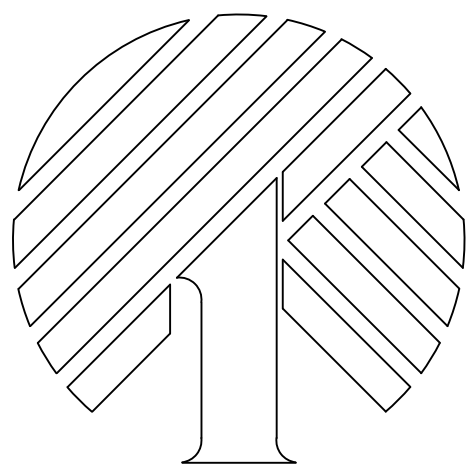
Dollar Tree, Inc. operates discount variety retail stores. The company operates in two segments, Dollar Tree and Family Dollar. Dollar Tree, Inc. is an American multi-price-point chain of discount variety stores. Headquartered in Chesapeake, Virginia, it is a Fortune 150 company and operates 17,800+ stores throughout the 48 contiguous U.S. States, and Canada. The company was founded in 1986 and is based in Chesapeake, Virginia.

If anyone has any questions – please feel free to reach out to me.

A handwritten signature in black ink, appearing to read "Kien Tsoi", is written over a horizontal line.

Kien Tsoi
Director of Real Estate – MidWest Region
ktsoi@dollartree.com - 310-801-8081

STORE SUPPORT CENTER
500 Volvo Parkway | Chesapeake, Virginia 23320 | www.dollartree.com



DOLLAR TREE

FRMR ENTERTAINMENT

30930 LAKESHORE BLVD, WILLOWICK, OH 44095

DEAL # 30086

ABBREVIATIONS		SYMBOLS		KEY PLAN																																							
ACT ADA AFF ARCH APPROX BD BLDG CEM CLG CLR CMU COL DF DTL DWG EA EIFS ELEV EQ EXIST EXTING FE FR FRP FIN FT FTG FV GA GWB H HDW HM HGT HOL HORIZ HR HVAC JT L LAM LVT	ACOUSTICAL CEILING TILE AMERICAN DISABILITIES ACT ABOVE FINISHED FLOOR ARCHITECT, ARCHITECTURAL APPROXIMATE BOARD BUILDING CEMENT PLASTER FINISH CEILING CLEAR CONCRETE MASONRY UNIT COLUMN DRINKING FOUNTAIN DETAIL DRAWING EACH EXTERIOR INSULATION FINISH SYSTEM ELEVATION EQUAL EXISTING EXTINGUISHER FIRE EXTINGUISHER FIRE RATING FIBERGLAS REINFORCED PANEL FINISH, FINISHED FOOT, FEET FOOTING FIELD VERIFY GAGE GYPSUM WALL BOARD HIGH HARDWARE HOLLOW METAL HEIGHT HOLLOW HORIZONTALLY HOUR HEATING, VENTILATION AND AIR CONDITIONING JOINT LENGTH, LONG LAMINATE LUXURY VINYL TILE	MAX MFG, MANUF MIN MTD MTL NIC OC OPP PEJ PLAM PLYWD PR PSI PTD RELO REQD SC SF SHT SIM STRUCT T TG THRESH TYP UL UON VCT VTR W WD WITH WWF & / @ ° ° Ø, DIA # ±	MAXIMUM MANUFACTURE, MANUFACTURER MINIMUM, MINUTE MOUNTED METAL NOT IN CONTRACT OPPOSITE ON CENTER ON CENTER PREFORMED EXPANSION JOINT PLASTIC LAMINATE PLYWOOD PAIR POUNDS PER SQUARE INCH PAINTED RELOCATE REQUIRED SOLID CORE SQUARE FEET SHEET SIMILAR STRUCTURAL THICK, THICKNESS TEMPERED GLASS THRESHOLD TYPICAL UNDERWRITERS LABORATORIES UNLESS OTHERWISE NOTED VINYL COMPOSITION TILE VENT THROUGH ROOF WIDE, WIDTH WOOD WITH WELDED WIRE FABRIC ANGLE AT CENTER LINE DEGREES DIAMETER NUMBER PLUS OR MINUS																																								
GENERAL NOTES		NEW WORK NOTES		ENVIRONMENTAL HEALTH NOTES																																							
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS. CONSTRUCTION SHALL ALSO COMPLY WITH LANDLORD'S CRITERIA (UNLESS PRECLUDED BY CODE). - ALL WOOD FRAMEWORK, WOOD BLOCKING AND PLYWOOD SHALL BE FIRE RETARDANT TREATED PER CODE. - ALL FINISH MATERIALS SHALL MEET FLAME SPREAD AND SMOKE DEVELOPMENT RATING CLASS C (OR CLASS 3). - WALL CONSTRUCTION BY THE TENANT'S CONTRACTOR IS SHOWN HATCHED. - THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BID TO DETERMINE THE EXTENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE TENANT OF ANY DISCREPANCIES PRIOR TO BIDDING. - ALL MATERIALS INDICATED ARE NEW, UNLESS SPECIFICALLY NOTED AS EXISTING, AND SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. ITEMS INDICATED AS TENANT SUPPLIED SHALL BE INSTALLED BY THE CONTRACTOR PER TENANT'S REQUIREMENTS AND/OR MANUFACTURER'S PUBLISHED STANDARDS. - ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE PATCHED OR REPAIRED TO MATCH THE EXISTING ADJACENT MATERIALS, SO THAT THE REPAIR IS IMPERCEPTIBLE. - DURING THE COURSE OF CONSTRUCTION, IF THE CONTRACTOR UNCOVERS ANY CODE VIOLATION KNOWN TO HIM OR ANY DISCREPANCY WITH THE DESIGN, CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH IMMEDIATELY. - CONTRACTOR SHALL ASSEMBLE AND INSTALL MATERIALS/ PRODUCTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INDUSTRIAL ASSOCIATION STANDARDS. - FIELD VERIFY AND/OR REPORT ASBESTOS-CONTAINING MATERIAL TO ARCHITECT AND TENANT UPON DISCOVERY. - SMOKE AND FIRE PARTITIONS SHALL BE CONSTRUCTED PER THE DESIGNATED UL DESIGN AND SHALL BE EXTENDED VERTICALLY TO THE BOTTOM OF THE STRUCTURE ABOVE. PROVIDE FIRE STOPS AND SEAL ALL PIPE AND CONDUIT PENETRATIONS WITH SEALANT THAT COMPLIES WITH THE MINIMUM FIRE RATED REQUIREMENTS FOR THE PARTITION. DUCT PENETRATIONS SHALL BE PROTECTED WITH SMOKE AND/OR FIRE DAMPERS. - ALL INTERIOR CONCRETE SHALL BE PORTLAND CEMENT BASED TO INCLUDE PATCHING, FLOATING/LEVELING OF FLOORS AND INFILLING. - FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. LETTERING SHALL BE NOT LESS THAN 1/2" IN HEIGHT LOCATED ABOVE AN ACCESSIBLE CEILING AND REPEATED IN INTERVALS NOT EXCEEDING 30' HORIZONTALLY ALONG THE WALL OR PARTITION. SUGGESTED WORKING SHALL BE " FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS." - ANY DETAIL WHICH MAY BE INCOMPLETE OR LACKING IN THE PLANS OR SPECIFICATIONS SHALL NOT CONSTITUTE CLAIM FOR EXTRA COMPENSATION. SUCH DETAIL, IF REQUESTED BY THE CONTRACTOR, SHALL BE SUPPLIED BY THE ENGINEER/ARCHITECT AND SUBMITTED TO THE CONTRACTOR IN ADVANCE OF ITS REQUIREMENT ON THE JOB. THE TRUE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PRODUCE A COMPLETE WORKING FACILITY AND INCOMPLETE DETAIL WILL NOT ABROGATE THIS INTENT. - THE CONTRACTOR SHALL PROVIDE ALL SHOP DRAWINGS (WITH THEIR STAMP OF APPROVAL) AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR APPROVAL BY THE ARCHITECT/ENGINEER OF RECORD.		- PROVIDE TENANT IDENTIFICATION SIGN AT REAR DOOR PER LANDLORD'S CRITERIA. (3) 2A-10BC RATED FIRE EXTINGUISHERS TO BE TENANT SUPPLIED. SIMILAR TO J.L INDUSTRIES MODEL COSMIC 5E. LOCATE EXTINGUISHERS AS SHOWN. PROVIDE WALL BRACKETS AND MOUNT CONTROLS AT 48" AFF MAX. PROVIDE "FIRE EXTINGUISHER" SIGNS ON WALL DIRECTLY ABOVE EACH UNIT. CONTRACTOR SHALL HAVE EXTINGUISHERS INSPECTED AND TAGGED. - THE CONTRACTOR SHALL VERIFY THAT TOILET ROOM(S), INCLUDING FIXTURES AND ACCESSORIES (BOTH EXISTING AND NEW) MEET ALL APPLICABLE LOCAL, STATE AND FEDERAL ACCESSIBILITY CODES AND LAWS. - PROVIDE EXTERIOR LIGHT ABOVE REAR DOOR, AS APPROVED BY LANDLORD. IF ONE DOES NOT EXIST WITHIN 10 FEET OF REAR DOOR. - PAINT ALL EXPOSED SURFACE MOUNTED CONDUIT TO MATCH ADJACENT WALL COLOR (IE WHITE OR YELLOW). - CONTRACTOR SHALL CAULK AROUND TOP AND BOTTOM EDGES OF COLUMN SURROUNDS TO AVOID INJURY. - REPAIR AND CLEAN ALL EXISTING MATERIALS (IE STOREFRONT FRAMING AND GLAZING, WALLS, CEILING, ETC) TO REMAIN TO A LIKE NEW CONDITION. - NOTIFY DOLLAR TREE'S CONSTRUCTION PM AS TO THE CONDITION OF EXPOSED CONCRETE BLOCK WALL TO REMAIN ON THE SALES FLOOR. DOLLAR TREE WILL MAKE THE DETERMINATION AS TO WHETHER THE WALL'S CONDITION IS SUITABLE FOR PAINTING OR NEEDS TO BE FURRED OUT WITH METAL STUDS AND GWB. - CONTRACTOR SHALL INSTALL TENANT SUPPLIED FIXTURES TO INCLUDE BUT NOT LIMITED TO CART CORRAL, PERIMETER WALL GONDOLA, FLOOR GONDOLA, BALLOON CENTER, HANGING BALLOON CORRALS, HELIUM TANK CABINET (SALES FLOOR), HELIUM TANK BRACKETS (STOCKROOM, SEE DETAIL), GRAVITY CONVEYOR SYSTEM, AND MOBILE FIXTURES PER TENANT'S FIXTURE PLAN. CALIFORNIA PROJECTS ONLY, CONTRACTOR SHALL STRAP ALL FIXTURES AS PER THE SEISMIC DRAWINGS PROVIDED. CONTACT THE CONSTRUCTION PM IF FIXTURE/SEISMIC DRAWING WAS NOT MADE AVAILABLE TO YOU DURING YOUR BIDDING PROCESS. - DOORS AND FRAMES (OTHER THAN THOSE LISTED AS EXIST) ARE TENANT SUPPLIED FOR CONTRACTOR INSTALLATION. STOREFRONT DOORS (WHEN NOTED) SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR AS REQUIRED. AUTOMATIC DOORS (WHEN NOTED) WILL BE SUPPLIED AND INSTALLED BY TENANT'S VENDOR (CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL CONNECTION.) - CONTRACTOR SHALL REMOVE ANY EXISTING SIGNAGE THAT HAS PREVIOUS TENANT'S NAME (INTERIOR AND/OR EXTERIOR.) ANY SIGNAGE THAT IS REQUIRED SHALL BE REPLACED IN LIKE KIND WITH DOLLAR TREE'S NAME. - CONTRACTOR SHALL VERIFY IF THERE IS AN EXISTING ACCESS PANEL TO TENANT'S SIGNAGE. IF ACCESS PANEL DOES NOT EXIST, INSTALL 2'-0" X 2'-0" ACCESS PANEL EITHER INSIDE AT DOLLAR TREE'S SPACE ABOVE THE CEILING (VERIFY FIRE RATINGS AND CODE REQUIREMENTS) OR IN THE EXTERIOR SOFFIT TO MATCH CANOPY CONSTRUCTION AS ALLOWED BY LANDLORD. CONFIRM WITH SIGN VENDOR FOR LOCATION PRIOR TO INSTALLING.		- CONTRACTOR SHALL NOTIFY CONSTRUCTION PM OF ANY NECESSARY REPAIRS TO ROOF PRIOR TO PERFORMING ANY OR ALL WORK. - CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY AND ALL PREVIOUS TENANT'S EXTERIOR SIGNAGE LEFT BEHIND. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY REMOVAL OF PREVIOUS TENANT SIGNAGE SHALL BE PATCHED OR REPAIRED AND PAINTED TO MATCH EXISTING ADJACENT MATERIALS SO THAT THE REPAIR IS IMPERCEPTIBLE. CONTRACTORS SHALL NOT INCLUDE THIS SCOPE OF WORK IN THEIR BID AND WILL BE HANDLED VIA CHANGE ORDER AFTER SITE EVALUATION IS DONE BY WINNING BIDDER. CONTRACTOR SHALL FORWARD THE EVALUATION AND PRICE QUOTE TO THE CONSTRUCTION PM FOR APPROVAL PRIOR TO PERFORMING ANY AND ALL WORK. - CONTRACTOR SHALL INSTALL TENANT SUPPLIED INTERIOR GRAPHICS AND SIGNS TO INCLUDE BUT NOT LIMITED TO PERIMETER WALL GRAPHICS/SIGNAGE, HANGING GRAPHICS/SIGNAGE AND STOREFRONT WINDOW DECALS. CONTACT THE CONSTRUCTION PM FOR GRAPHIC/SIGNAGE DRAWINGS. - CONTRACTOR SHALL SEAL ALL EXTERIOR PENETRATIONS INCLUDING CRACKS, HOLES, GAPS, AND EXISTING PENETRATIONS. CONTRACTOR SHALL SELECT MATERIAL APPROPRIATE FOR CONDITION TO PROVIDE PERMANENT RODENT-PROOF INFILL (INSULATION SPRAY FOAM IS NOT AN ACCEPTABLE FINISHED MATERIAL.) - CONTRACTOR SHALL POST ON BULLETIN BOARD IN OFFICE FINAL INSPECTIONS & CERTIFICATE OF OCCUPANCY. - WALK-IN FREEZER COOLER UNIT IS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. THE UNIT IS SELF-CONTAINED AND DOES NOT REQUIRE A FLOOR SINK DRAIN. THE INTERIOR CEILING AND WALL FINISH ARE A NSF APPROVED GALVANIZED FINISH. THE FREEZER FLOOR IS TO HAVE AN ALUMINUM DIAMOND TREAD FINISH. - PROVIDE NEW ALUMINUM AND GLASS STOREFRONT SYSTEM EQUAL TO KAWNEER TRIFAB VG 451 SERIES, STICK SYSTEM FABRICATION, CLEAR ANODIZED FINISH TO MATCH EXISTING. PROVIDE TEMPERED 1" INSULATED LOW E GLAZING AS INDICATED. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL FIELD CONDITIONS, AND FOR ALL ACCESSORY PARTS AND HARDWARE REQUIRED. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE LANDLORD FOR APPROVAL PRIOR TO CONSTRUCTION.																																							
GENERAL SITE ACCESSIBILITY NOTES		ENVIRONMENTAL HEALTH NOTES		RISK CLASS "LOW"																																							
IN ACCORDANCE WITH CHAPTER 11, ACCESSIBILITY - SECTIONS 1104 AND 1106 OF THE 2017 OHIO BUILDING CODE, THE EXTERIOR ROUTES OF TRAVEL AND ACCESSIBLE PARKING ARE EXISTING PRIOR TO THE OCCUPANCY OF THE NEW TENANT. NO CHANGE OF OCCUPANCY OR EXTERIOR SITE MODIFICATION SHALL OCCUR WITHOUT PRIOR PERMITTING AND COMPLIANCE TO ABOVE MENTIONED CODE. REQUIRED SITE DEVELOPMENT OR COMPLIANCE TO ABOVE MENTIONED CODE SHALL BE SOLE RESPONSIBILITY OF LANDLORD AND/OR OWNER OF EXISTING BUILDING AND SITE.		- THIS FACILITY CARRIES ONLY 100 % PRE-PACKAGED FOOD TO INCLUDE THE FREEZER/COOLER PRODUCT. - THIS FACILITY IS A NON DINING FACILITY. NO DINING SEATING WILL BE PROVIDED TO CUSTOMERS. - THIS FACILITY DOES NOT PERFORM ANY TYPE OF FOOD PREPARATION WITHIN THE STORE FOR CUSTOMER CONSUMPTION AND/OR EMPLOYEE CONSUMPTION. - THIS FACILITY HAS NO FOOD EQUIPMENT WITHIN THE STORE. - THIS FACILITY WILL HAVE 3 TO 4 EMPLOYEES PER SHIFT MAXIMUM. ONE STORE MANAGER, ONE TO TWO CASHIERS AND ONE STOCKER. - EMPLOYEE LOCKERS- EASILY CLEANABLE LOCKERS WILL BE PROVIDED TO ALL EMPLOYEES, REFER TO FIXTURE PLAN FOR LOCATION. - MOP SINK- THIS FACILITY WILL BE SUPPLIED WITH A 24"x36" FLOOR MOUNTED MOP SINK WITH APPROVED VACUUM BREAKER FAUCET. WALLS SURROUNDING MOP SINK WILL HAVE FRP TO 8'-0" ABOVE FINISH FLOOR FOR EASY CLEANABLE SURFACE. - NSF, ANSI AND UL APPROVED- ALL EQUIPMENT WITHIN THIS FACILITY IS NSF, ANSI AND UL APPROVED, CUT SHEETS FOR EQUIPMENT AVAILABLE UPON REQUEST. - FINISH SCHEDULE- A FINISH SCHEDULE IS INCLUDED IN THIS SET OF CONSTRUCTION DOCUMENTS AND LOCATED ON SHEET A4 FOR YOUR USE. - QUESTIONS- EXAMINER PLEASE FEEL FREE TO CONTACT THE ARCHITECT AND ENGINEERS LISTED ON SHEET CS1 WITH ANY QUESTIONS OR ITEMS YOU NEED CLARIFICATION ON. ALSO YOU CAN CONTACT STEVEN McMAHON, DIRECTOR OF STORE DESIGN AT 757-321-5830.		NO SECURITY MEASURE NECESSARY																																							
FIRE PROTECTION NOTES		BUILDING CODE SUMMARY		PROJECT DIRECTORY																																							
FIRE ALARM DRAWINGS ARE NOT REQUIRED WITHIN THE PROPOSED DOLLAR TREE IN WILLOWICK, OHIO. SEE FIRE ALARM NOTE BELOW: THE EXISTING FIRE SPRINKLER RISER SERVING THE TENANT SPACE IS CURRENTLY BEING ELECTRONICALLY MONITORED BY A FIRE ALARM CONTROL PANEL LOCATED OUTSIDE OF THE PROPOSED TENANT SPACE. THE PROPOSED TENANT SPACE HAS AN OCCUPANT LOAD OF LESS THAN 500 AND DOES NOT REQUIRE OCCUPANT NOTIFICATION. THEREFORE, A FIRE ALARM SYSTEM IS NOT REQUIRED AND WILL NOT BE PROVIDED WITHIN THE PROPOSED TENANT SPACE. THE EXISTING LANDLORD FIRE ALARM SYSTEM SHALL CONTINUE TO MONITOR THE FIRE SPRINKLER SYSTEM AS CURRENTLY CONFIGURED.		<table><tr><td>APPLICABLE BUILDING CODE:</td><td>2017 OHIO BUILDING CODE</td></tr><tr><td>APPLICABLE PLUMBING CODE:</td><td>2017 OHIO PLUMBING CODE</td></tr><tr><td>APPLICABLE ELECTRICAL CODE:</td><td>2017 NATIONAL ELECTRIC CODE</td></tr><tr><td>APPLICABLE FIRE CODE:</td><td>2017 OHIO FIRE CODE</td></tr><tr><td>APPLICABLE MECHANICAL CODE:</td><td>2017 OHIO MECHANICAL CODE</td></tr><tr><td>APPLICABLE ENERGY CODE:</td><td>2017 OHIO ENERGY CODE</td></tr><tr><td>APPLICABLE ACCESSIBILITY CODE:</td><td>CHAPTER 11, OHIO BUILDING CODE AND ANSI A117.1-2003</td></tr><tr><td>USE GROUP:</td><td>M - MERCANTILE</td></tr><tr><td>CONSTRUCTION TYPE:</td><td>II-B</td></tr><tr><td>NUMBER OF STORIES:</td><td>1</td></tr><tr><td>SPRINKLERED:</td><td>YES</td></tr><tr><td>TOTAL LEASE AREA:</td><td>10,280 S.F.</td></tr><tr><td>OCCUPANCY LOAD:</td><td>SALES AREA 8,480 /60= 142 STOCKROOM 1,041 /300= 4 TOTAL 146</td></tr><tr><td>PROJECT ADDRESS:</td><td>FRMR ENTERTAINMENT 30930 LAKESHORE BLVD, WILLOWICK, OH 44095</td></tr><tr><td>BUILDING DEPARTMENT PHONE NO:</td><td>(440) 350-2636</td></tr><tr><td>FIRE MONITORING REQUIRED</td><td>YES</td></tr></table>		APPLICABLE BUILDING CODE:	2017 OHIO BUILDING CODE	APPLICABLE PLUMBING CODE:	2017 OHIO PLUMBING CODE	APPLICABLE ELECTRICAL CODE:	2017 NATIONAL ELECTRIC CODE	APPLICABLE FIRE CODE:	2017 OHIO FIRE CODE	APPLICABLE MECHANICAL CODE:	2017 OHIO MECHANICAL CODE	APPLICABLE ENERGY CODE:	2017 OHIO ENERGY CODE	APPLICABLE ACCESSIBILITY CODE:	CHAPTER 11, OHIO BUILDING CODE AND ANSI A117.1-2003	USE GROUP:	M - MERCANTILE	CONSTRUCTION TYPE:	II-B	NUMBER OF STORIES:	1	SPRINKLERED:	YES	TOTAL LEASE AREA:	10,280 S.F.	OCCUPANCY LOAD:	SALES AREA 8,480 /60= 142 STOCKROOM 1,041 /300= 4 TOTAL 146	PROJECT ADDRESS:	FRMR ENTERTAINMENT 30930 LAKESHORE BLVD, WILLOWICK, OH 44095	BUILDING DEPARTMENT PHONE NO:	(440) 350-2636	FIRE MONITORING REQUIRED	YES	<table><tr><td>ARCHITECT BRIAN EADY ARCHITECTS 32403 SPRUCEWOOD STREET FARMINGTON HILLS, MI 48334 PHONE (586) 933-3010 BRIAN EADY, OWNER</td><td>TENANT DOLLAR TREE STORES 500 VOLVO PARKWAY CHESAPEAKE, VA 23320 PHONE - (757)-321-5000 MICHAEL SIMEAD</td></tr><tr><td>PLUMB, MECH, ELEC ENGINEER KLH ENGINEERS 1538 ALEXANDRIA PIKE, SUITE 11 FORT THOMAS, KY 41705 PHONE (859) 303-3715 SIMON GOYERT, PM</td><td>LANDLORD BOB WAUGH PHONE 240-712-1219 BWAUGH1@MSN.COM</td></tr><tr><td>SIGN CONTRACTOR EVERBRITE, LLC 4949 S. 110TH STREET P.O. BOX 2020 GREENFIELD, WI 53220 PHONE (800) 558-3888 EXT. 7198 JOSH JARVIS</td><td>STRUCTURAL ENGINEER BROYLES AND ASSOCIATES 508 BAYLOR COURT, SUITE C CHESAPEAKE, VA 23320 PHONE (757) 642-2251 FAX (757) 436-0610 DON BROYLES, ENGINEER</td></tr></table>		ARCHITECT BRIAN EADY ARCHITECTS 32403 SPRUCEWOOD STREET FARMINGTON HILLS, MI 48334 PHONE (586) 933-3010 BRIAN EADY, OWNER	TENANT DOLLAR TREE STORES 500 VOLVO PARKWAY CHESAPEAKE, VA 23320 PHONE - (757)-321-5000 MICHAEL SIMEAD	PLUMB, MECH, ELEC ENGINEER KLH ENGINEERS 1538 ALEXANDRIA PIKE, SUITE 11 FORT THOMAS, KY 41705 PHONE (859) 303-3715 SIMON GOYERT, PM	LANDLORD BOB WAUGH PHONE 240-712-1219 BWAUGH1@MSN.COM	SIGN CONTRACTOR EVERBRITE, LLC 4949 S. 110TH STREET P.O. BOX 2020 GREENFIELD, WI 53220 PHONE (800) 558-3888 EXT. 7198 JOSH JARVIS	STRUCTURAL ENGINEER BROYLES AND ASSOCIATES 508 BAYLOR COURT, SUITE C CHESAPEAKE, VA 23320 PHONE (757) 642-2251 FAX (757) 436-0610 DON BROYLES, ENGINEER
APPLICABLE BUILDING CODE:	2017 OHIO BUILDING CODE																																										
APPLICABLE PLUMBING CODE:	2017 OHIO PLUMBING CODE																																										
APPLICABLE ELECTRICAL CODE:	2017 NATIONAL ELECTRIC CODE																																										
APPLICABLE FIRE CODE:	2017 OHIO FIRE CODE																																										
APPLICABLE MECHANICAL CODE:	2017 OHIO MECHANICAL CODE																																										
APPLICABLE ENERGY CODE:	2017 OHIO ENERGY CODE																																										
APPLICABLE ACCESSIBILITY CODE:	CHAPTER 11, OHIO BUILDING CODE AND ANSI A117.1-2003																																										
USE GROUP:	M - MERCANTILE																																										
CONSTRUCTION TYPE:	II-B																																										
NUMBER OF STORIES:	1																																										
SPRINKLERED:	YES																																										
TOTAL LEASE AREA:	10,280 S.F.																																										
OCCUPANCY LOAD:	SALES AREA 8,480 /60= 142 STOCKROOM 1,041 /300= 4 TOTAL 146																																										
PROJECT ADDRESS:	FRMR ENTERTAINMENT 30930 LAKESHORE BLVD, WILLOWICK, OH 44095																																										
BUILDING DEPARTMENT PHONE NO:	(440) 350-2636																																										
FIRE MONITORING REQUIRED	YES																																										
ARCHITECT BRIAN EADY ARCHITECTS 32403 SPRUCEWOOD STREET FARMINGTON HILLS, MI 48334 PHONE (586) 933-3010 BRIAN EADY, OWNER	TENANT DOLLAR TREE STORES 500 VOLVO PARKWAY CHESAPEAKE, VA 23320 PHONE - (757)-321-5000 MICHAEL SIMEAD																																										
PLUMB, MECH, ELEC ENGINEER KLH ENGINEERS 1538 ALEXANDRIA PIKE, SUITE 11 FORT THOMAS, KY 41705 PHONE (859) 303-3715 SIMON GOYERT, PM	LANDLORD BOB WAUGH PHONE 240-712-1219 BWAUGH1@MSN.COM																																										
SIGN CONTRACTOR EVERBRITE, LLC 4949 S. 110TH STREET P.O. BOX 2020 GREENFIELD, WI 53220 PHONE (800) 558-3888 EXT. 7198 JOSH JARVIS	STRUCTURAL ENGINEER BROYLES AND ASSOCIATES 508 BAYLOR COURT, SUITE C CHESAPEAKE, VA 23320 PHONE (757) 642-2251 FAX (757) 436-0610 DON BROYLES, ENGINEER																																										

STORE #	TURNOVER DATE	OPEN DATE	CONTRACTOR	SVN	TWN	AS-IS	SHELL	WALL	RELOCATION	EXPANSION
---------	---------------	-----------	------------	-----	-----	-------	-------	------	------------	-----------

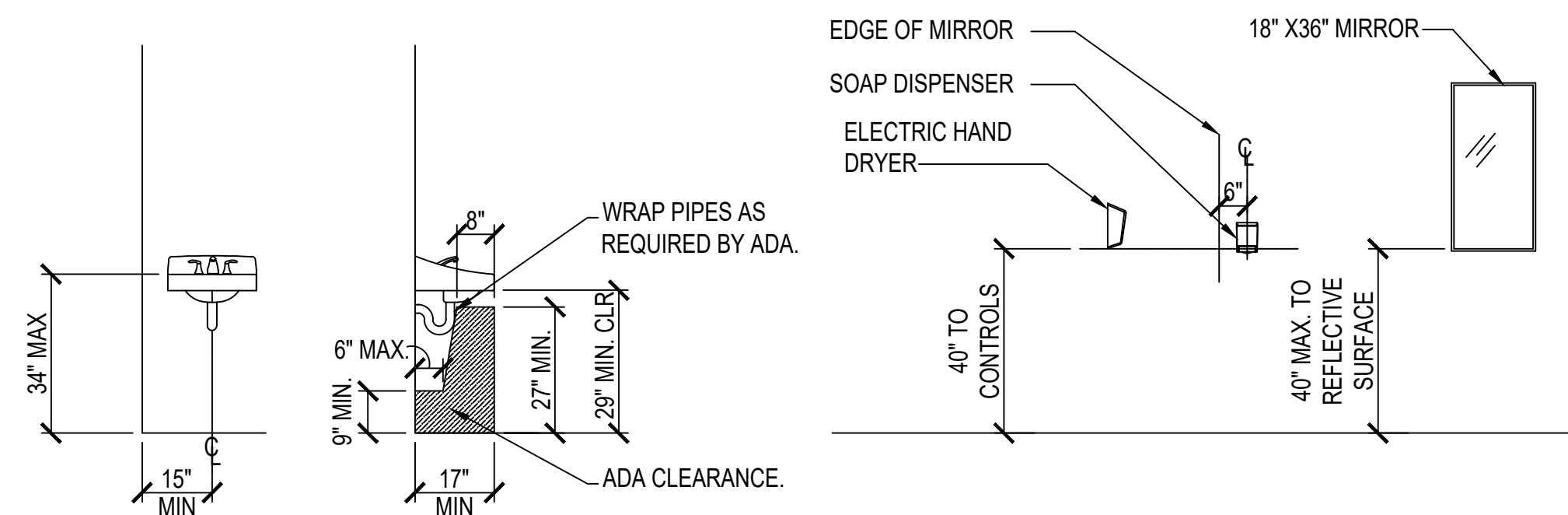
DESCRIPTION	
BY	
MARK	DATE
REVISIONS	

DATE	PROJECT	DATE	BE	BE
02/24/2023	0019.30	DRAWN	CHECKED	



PROJECT	DRAWING
DOLLAR TREE FORMER ENTERTAINMENT 30930 LAKESHORE BLVD, WILLOWICK, OH 44095 NOTES, LEGEND, AND KEY PLAN	

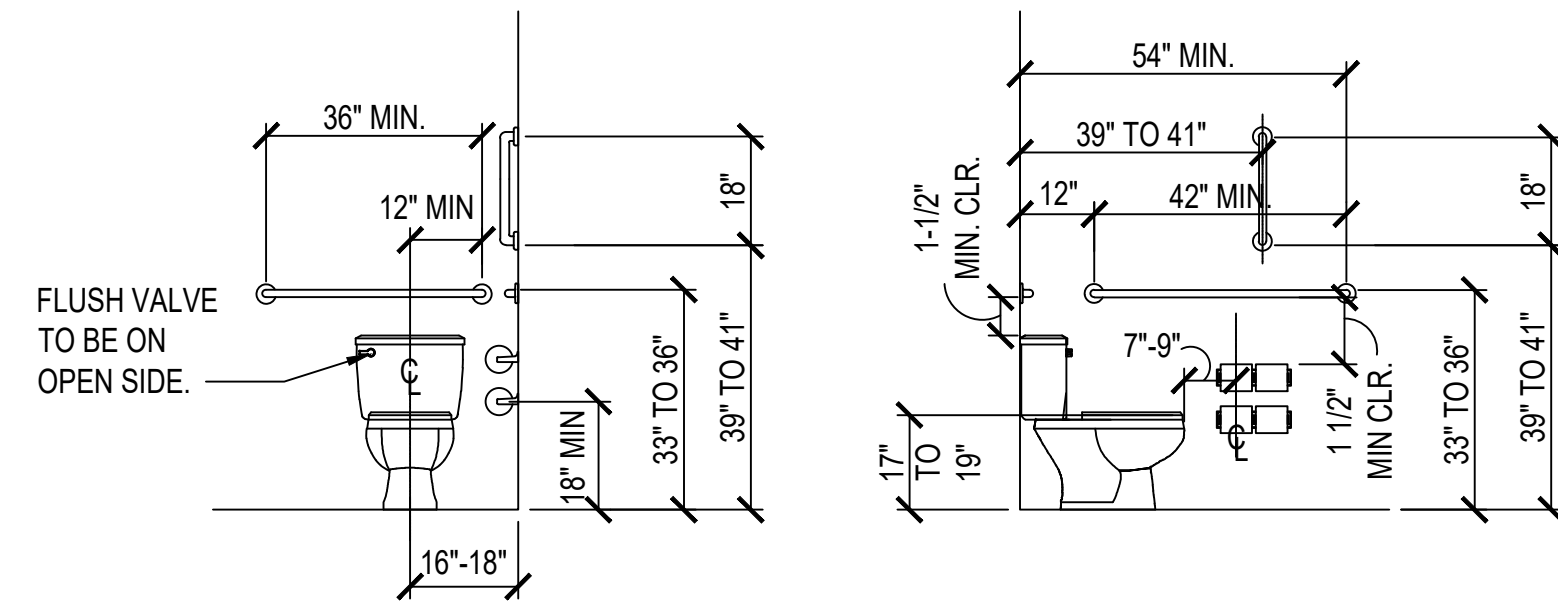
SHEET
CS1



TOILET ELEVATION

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

NOTE: PROVIDE BLOCKING IN WALL FOR ALL WALL HUNG FIXTURES.



1
CS2

SIGNAGE ELEVATION

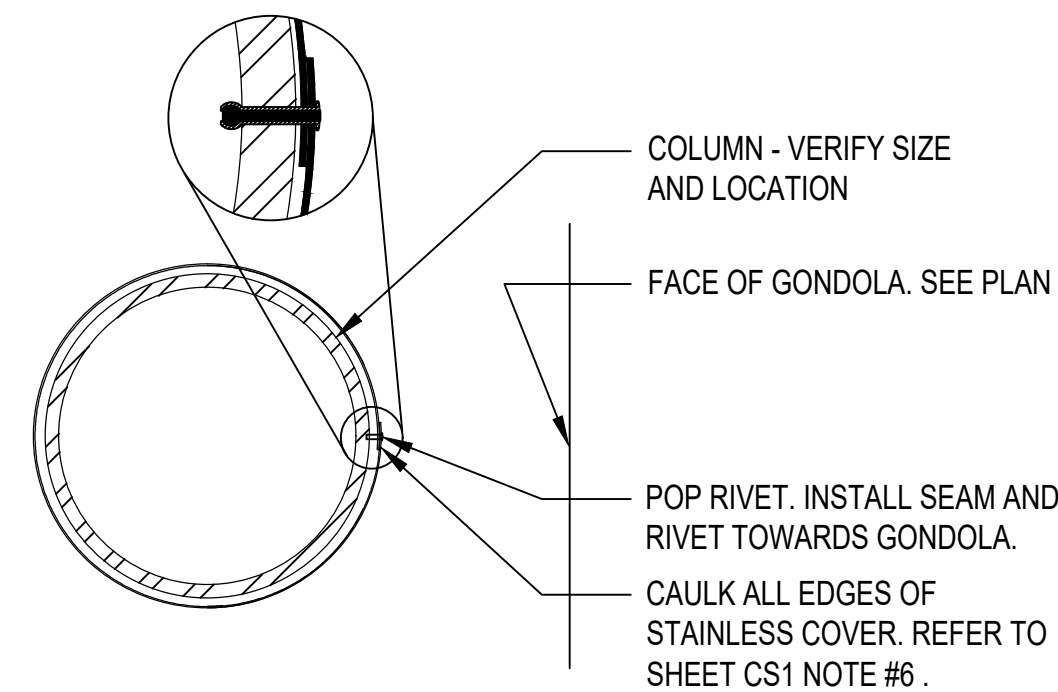
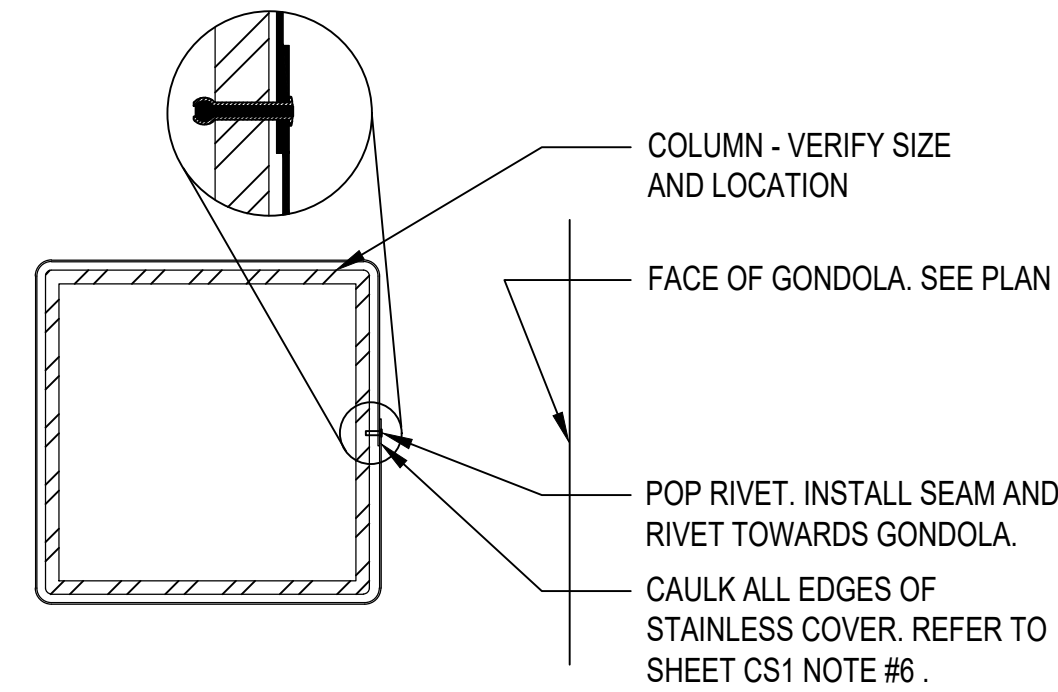
SCALE: NTS

6" X 9" PLAQUE W/ 4" ACCESSIBLE PICTOGRAM, 3/4" COPY, GRADE II BRAILLE. MOUNT ON WALL @ 9" MIN FROM THE STRIKE SIDE DOOR JAMB.

FINISHED FLOOR



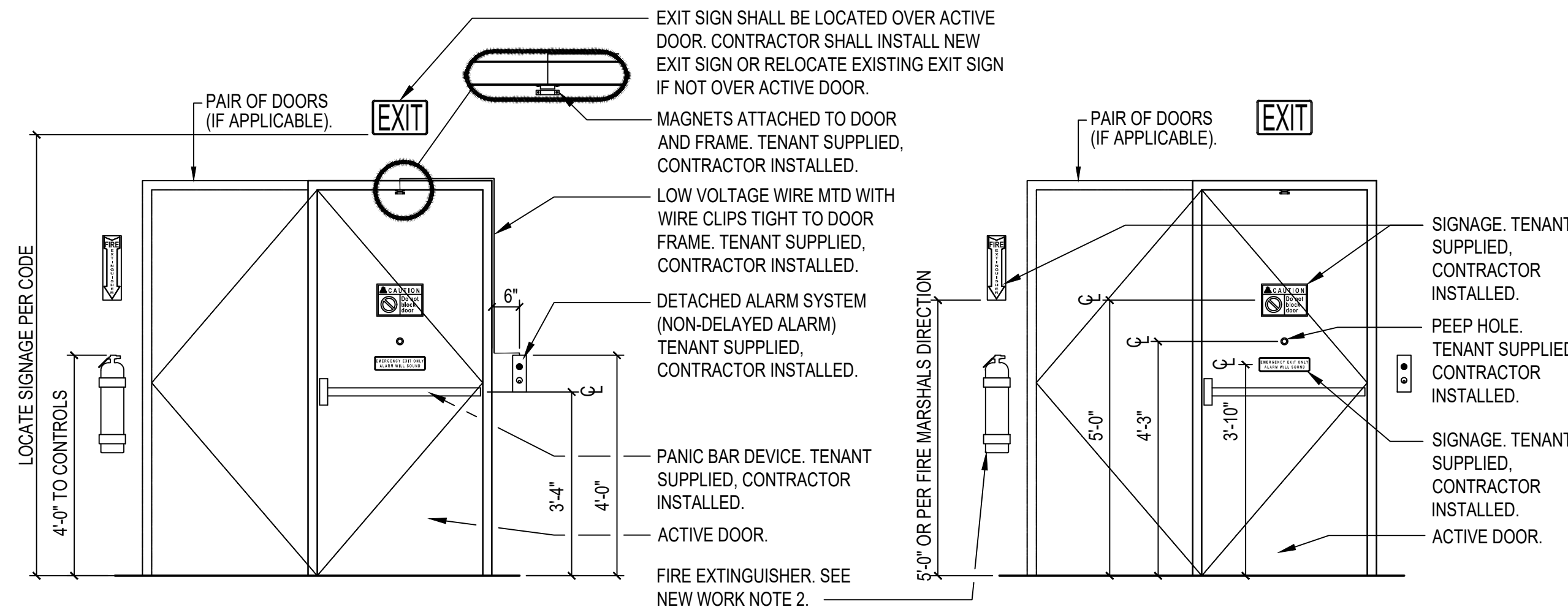
48" MIN TO BOTTOM OF BRAILLE
68" MAX TO BOTTOM OF TOP LINE OF TEXT



COLUMN DETAILS

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

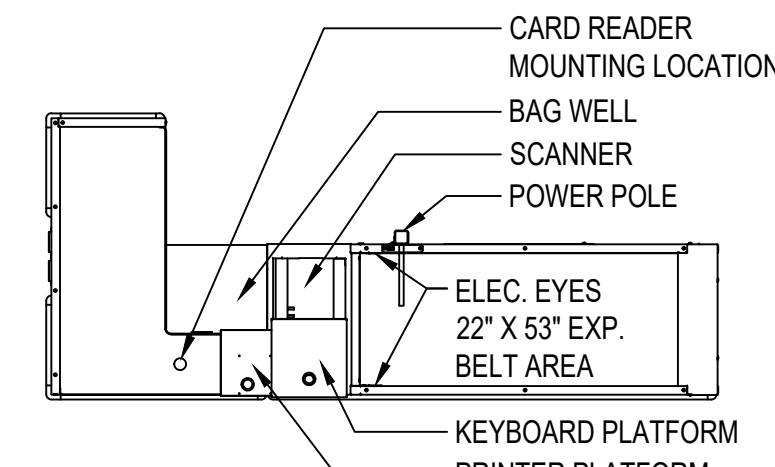
3
CS2



TYP REAR DOOR ALARM MOUNTING DETAIL

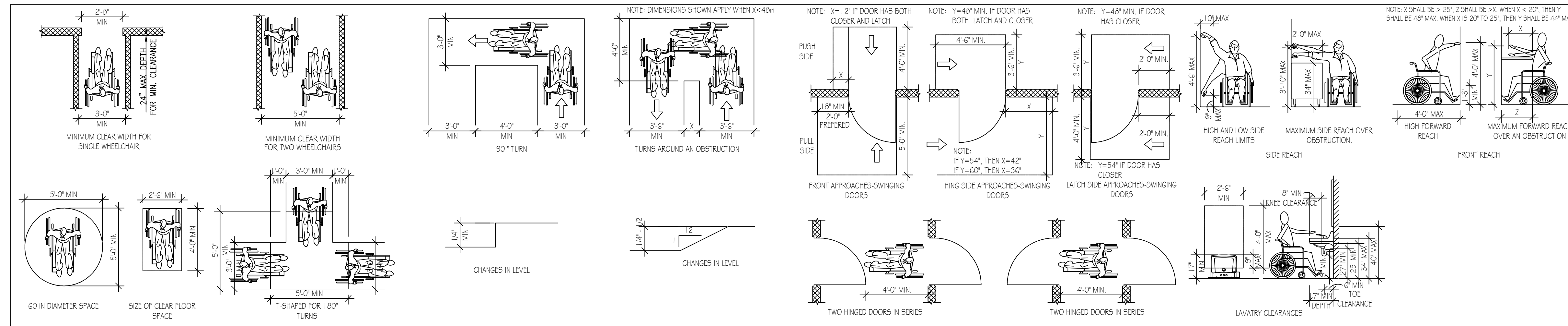
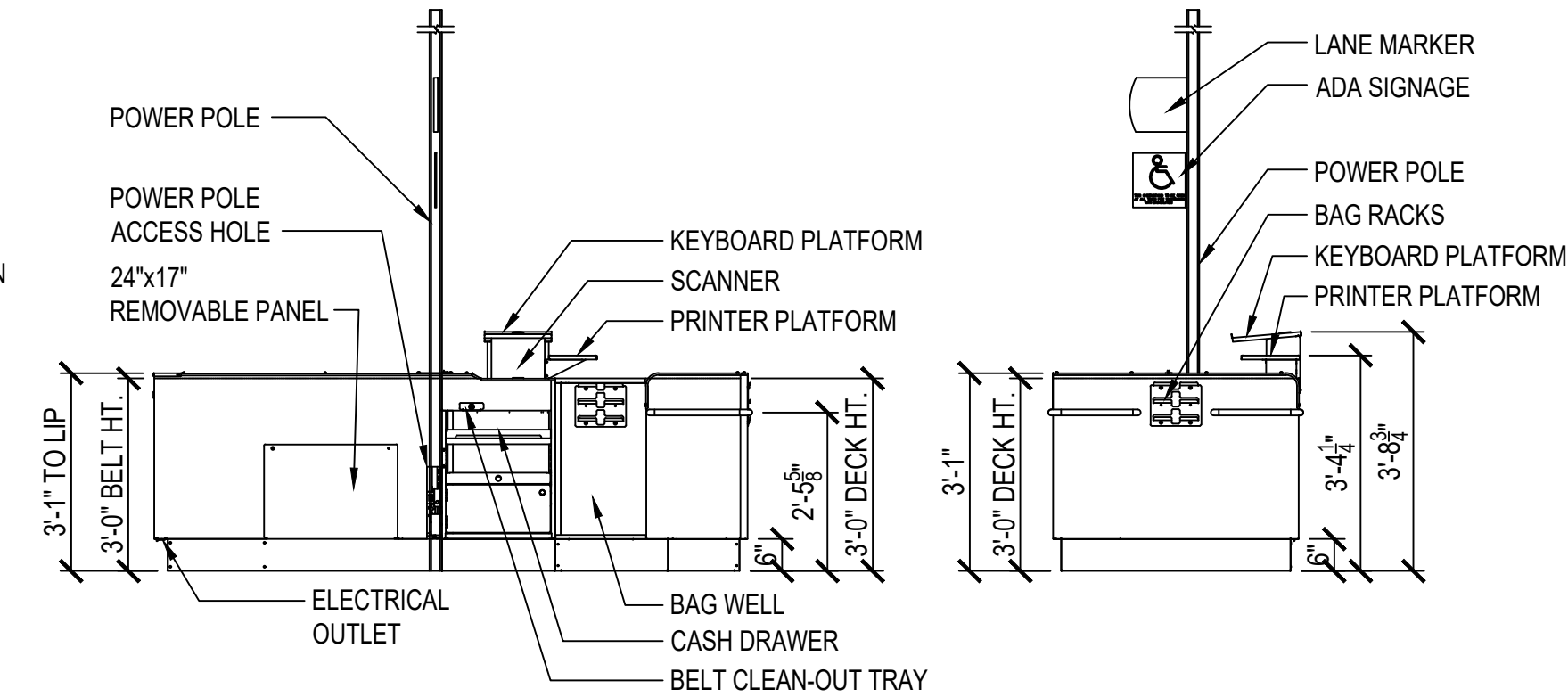
SCALE: 1/2" = 1'-0"

4
A2



TYPICAL CHECKOUT

SCALE: NOT TO SCALE



TYPICAL ACCESSIBILITY CONFIGURATIONS

SCALE: NOT TO SCALE

DESCRIPTION
BY
MARK
DATE
REVISIONS

DATE	PROJECT	DRAWN	CHECKED	BE	BE
02/24/2023	0019.30				

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

STATE OF OHIO
BRIAN EADY
2218722
REGISTERED ARCHITECT
03.24.2023

DOLLAR TREE
FORMER ENTERTAINMENT
30830 LAKESHORE BLVD. WILLOWICK, OH 44095
NOTES AND ACCESSIBILITY DETAILS

PROJECT
DRAWING
SHEET

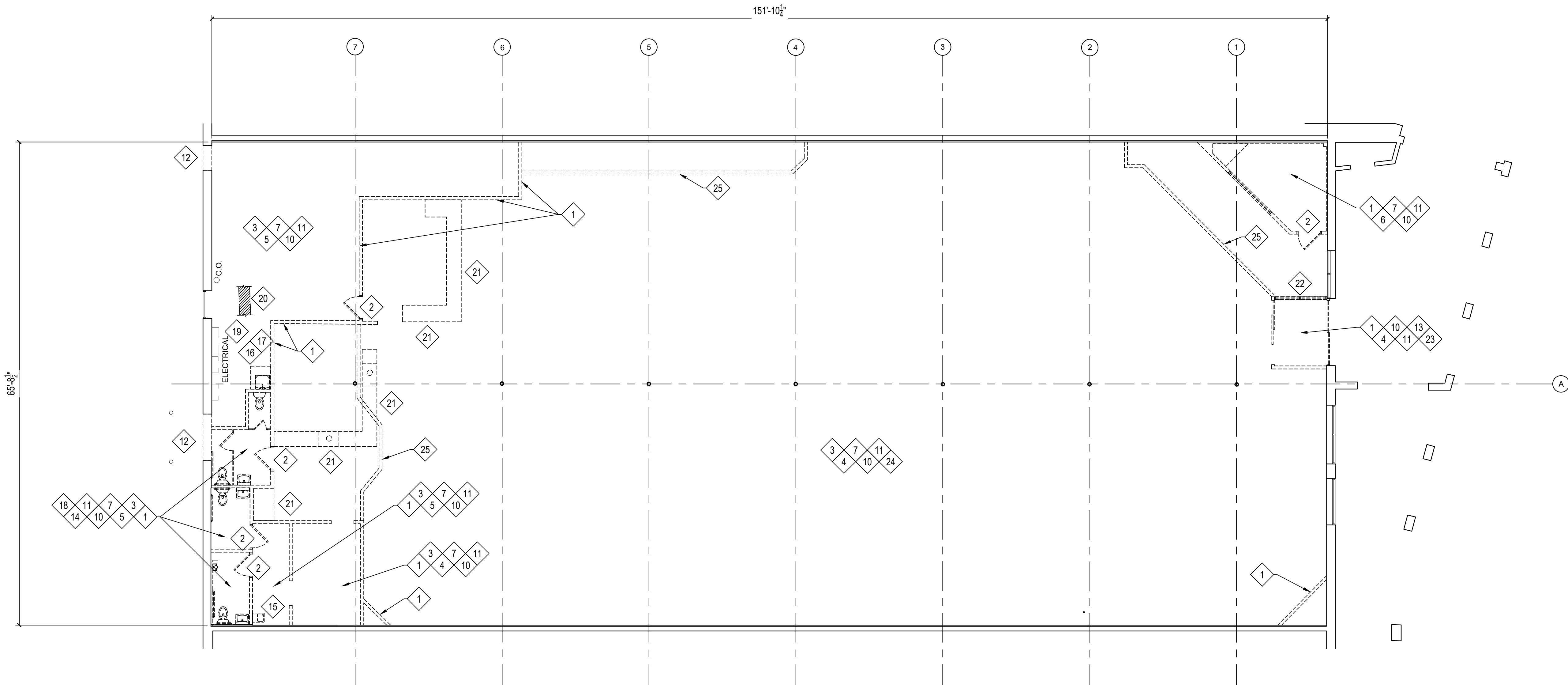
CS2

GENERAL DEMOLITION NOTES

- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEM SELF WITH ALL APPLICABLE CODES, RULES, PROCEDURES, OR CONSTRAINTS OF ANY KIND PRIOR TO COMMENCEMENT OF DEMOLITION INCLUDING ANY FEDERAL, STATE, CITY, MUNICIPAL, OR LANDLORD REQUIREMENTS.
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO KEEP ORDERLY WORKING CONDITIONS WITHIN, AND AROUND THE PREMISES - REMOVE ALL DEBRIS IN THE APPROPRIATE MANNER.
- SPACE IS TO BE BROOM CLEAN READY FOR BUILD OUT OF NEW SPACE & FINISHES.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTRACTING TRASH REMOVAL SERVICE. TRASH REMOVAL MUST BE COORDINATED WITH ON-SITE PROPERTY MANAGEMENT.
- CONTRACTOR TO PROTECT DEMISING WALL FRAMING & REPLACE ALL DAMAGED AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING & PAYING FOR ALL DEMOLITION PERMITS.
- THIS DRAWING REFLECTS AVAILABLE DEMOLITION INFORMATION, HOWEVER, IT SHALL BE THE RESPONSIBILITY OF ALL CONTRACTORS TO VISIT THE & REVIEW ALL CONSTRUCTION DOCUMENTS TO FULLY DETERMINE THE SCOPE & INTENT OF THE DEMOLITION ACTIVITY.
- REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL SPECIFIC DEMOLITION INFORMATION & INSTRUCTION AS TO WHAT EXISTING EQUIPMENT AND/OR CONSTRUCTION IS TO REMAIN.
- CONTRACTOR IS TO INSPECT THE PREMISES PRIOR TO SUBMITTING A BID AND BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED FOR NEW CONSTRUCTION.
- GENERAL CONTRACTOR IS TO PROVIDE ALL NECESSARY DUST & TRAFFIC BARRIERS & TEMPORARY PARTITIONS AS REQUIRED TO MAINTAIN A SAFE & CLEAN ENVIRONMENT FOR THE PUBLIC, EMPLOYEES, AND PROPERTY THROUGHOUT THE PROJECT.
- ANY EXISTING EQUIPMENT TO BE ABANDONED MUST BE COMPLETELY REMOVED AND PROPERLY DISPOSED OF, AND ANY REPAIRS TO ROOFING SYSTEMS OR OTHER PARTS OF THE BUILDING MUST BE COMPLETED TO LANDLORD'S SPECIFICATIONS.
- IN ALL WALLS & FIXTURES THAT ARE TO BE REMOVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTION OF THE SOURCE AND REMOVING OR CAPPING ANY ELECTRICAL, PLUMBING AND/OR GAS LINES THAT ARE DISCLOSED AND NOT SCHEDULED FOR REUSE.
- CONTRACTOR TO PATCH/REPAIR/REPLACE EXISTING FLOORS, WALLS, AND CEILINGS TO MATCH ADJACENT CONSTRUCTION DUE TO DEMOLITION OF FIXTURES, EQUIPMENT, AND ETC.
- THE CONTRACTOR SHALL ADHERE TO PROPER RECOVERY AND DISPOSAL ALL REFRIGERANTS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLIANCE WITH STATE AND FEDERAL REGULATIONS RELATING TO CLEAN AIR AND/OR VENTING OF CFC AND/OR HCFC REFRIGERANTS UNTIL THE EQUIPMENT IS TURNED OVER TO BRUNSWICK FOR OPERATION AND MAINTENANCE. THIS RESPONSIBILITY SHALL INCLUDE ALL WORK RELATING TO DISCHARGING ANY AND ALL HVAC REFRIGERANT SYSTEMS OF ANY EXISTING EQUIPMENT REUSED OR REMOVED.
- G.C. SHALL PROVIDE ALL TEMPORARY SHORING, BRACING & PINNING OF WALLS REQUIRED TO MAINTAIN INTEGRITY OF WALL CONSTRUCTION DURING DEMOLITION & UNTIL WALL HAS BEEN COMPLETED.

DEMOLITION NOTES

- REMOVE PARTITION COMPLETE.
- REMOVE DOOR AND FRAME COMPLETE.
- REMOVE EXISTING WALL FIXTURES AND FINISHES COMPLETE.
- FLOORING CONTRACTOR (TENANT HIRED) SHALL REMOVE EXISTING CARPET COMPLETE. GC SHALL NOT INCLUDE IN BID.
- FLOORING CONTRACTOR (TENANT HIRED) SHALL REMOVE EXISTING VCT FLOORING COMPLETE. GC SHALL NOT INCLUDE IN BID.
- FLOORING CONTRACTOR (TENANT HIRED) SHALL REMOVE EXISTING CERAMIC TILE COMPLETE. GC SHALL NOT INCLUDE IN BID.
- REMOVE EXISTING BASE COMPLETE.
- NOT USED
- NOT USED
- REMOVE EXISTING ACT AND GRID COMPLETE (EXIST CEILING HEIGHT IS 11'-0" AFF VIF.)
- REMOVE EXISTING LIGHT FIXTURES COMPLETE.
- REMOVE PORTION OF EXTERIOR MASONRY WALL TO 8" BELOW FINISHED FLOOR AS INDICATED FOR INSTALLATION OF DOOR IN NEW WORK. REFER TO STRUC.
- REMOVE EXIST SLIDING DOORS, STOREFRONT, TRANSOM AND THRESHOLD COMPLETE.
- REMOVE EXISTING TOILET FIXTURES AND ACCESSORIES COMPLETE. TRENCH FLOOR AS REQUIRED FOR RELOCATION OF PLUMBING FIXTURES.
- REMOVE EXISTING EWC COMPLETE. FOR REMOVAL OF PLUMBING FIXTURES SEE PLUMBING SHEETS.
- REMOVE EXISTING MOP SINK COMPLETE. FOR REMOVAL OF PLUMBING FIXTURES SEE PLUMBING SHEETS.
- REMOVE EXISTING WATER HEATER COMPLETE. FOR REMOVAL OF PLUMBING FIXTURES SEE PLUMBING SHEETS.
- REMOVE, CAP, OR FILL EXISTING DRAIN COMPLETE. FOR MODIFICATION OF EXISTING PLUMBING SEE PLUMBING SHEETS.
- FOR REMOVAL AND/OR RELOCATION OF EXISTING ELECTRICAL PANELS AND TRANSFORMER SEE ELECTRICAL SHEETS.
- REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO TRENCH FLOOR FOR RELOCATION OF PLUMBING FIXTURES. CONTRACTOR SHALL INCLUDE IN BID ALL TRENCHING REQUIRED TO EXTEND PLUMBING IN NEW WORK. (CONTRACTOR SHALL AVOID SALES FLOOR IF POSSIBLE.)
- REMOVE EXISTING WOOD SHELVING, CABINETS AND FIXTURES COMPLETE.
- REMOVE EXISTING WINDOW FRAME AND GLAZING COMPLETE.
- REMOVE EXISTING AUTOMATIC DOOR SENSOR COMPLETE.
- REMOVE AND CAP EXISTING CONDUIT / OUTLETS COMPLETE TO BELOW FINISH FLOOR.
- REMOVE EXISTING SOFFIT COMPLETE.



DEMOLITION PLAN

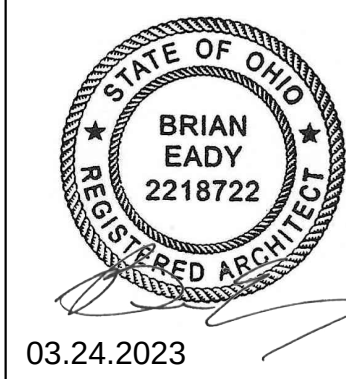
SCALE: 1/8"=1'-0"



DESCRIPTION
BY
MARK
DATE
REVISIONS

02/24/2023	0019.30	BE	BE
DATE	PROJECT	DRAWN	CHECKED

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010



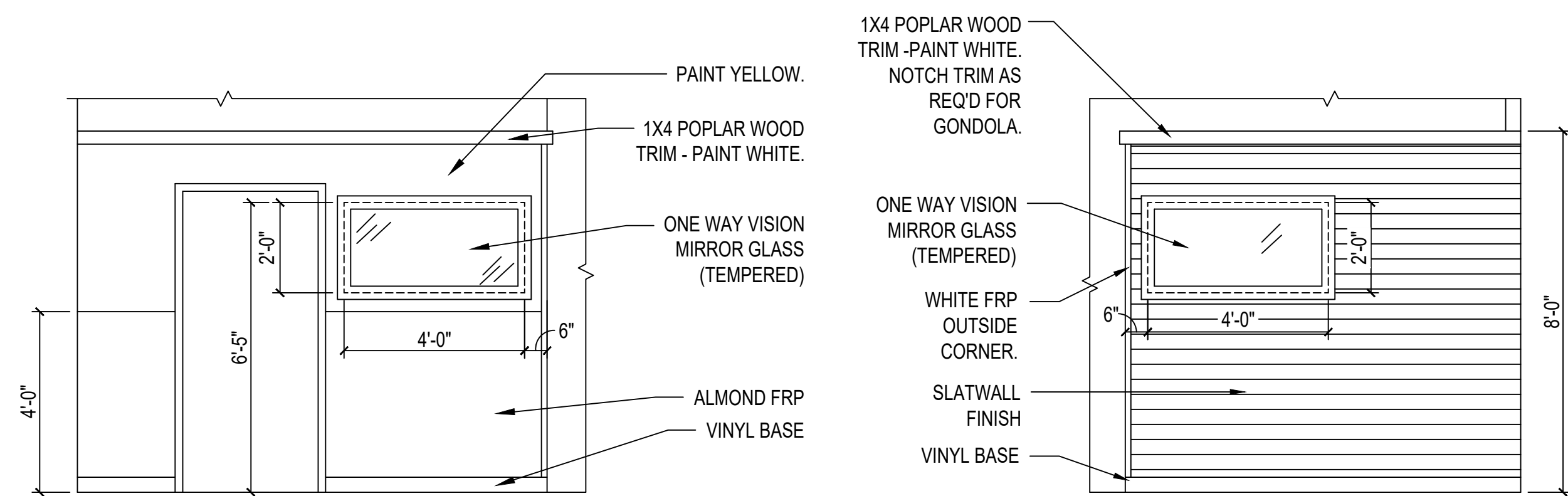
DOLLAR TREE
FORMER ENTERTAINMENT
20930 LAKESHORE BLVD. WILLOWICK, OH 44095
DEMOLITION PLAN AND NOTES

PROJECT
DRAWING

SHEET

D1

DOLLAR TREE
FORMER ENTERTAINMENT
3030330 LAKESHORE BLVD. WILLIOWICK, OH 44095
FLOOR PLAN, WALL CONSTRUCTION TYPES



OFFICE ELEVATION

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

1
A1.1

OFFICE ELEVATION

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

2
A1.1

OFFICE ELEVATION

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

3
A1.1

2-GANG DEEP BOX & SINGLE GANG MUD RING WITH 2" CONDUIT FOR SECURITY LAN CABLES (4-11/16" x 4-11/16" BOX)

2-GANG DEEP BOX & SINGLE GANG MUD RING WITH 2" CONDUIT FOR STORE LAN CABLES (4-11/16" x 4-11/16" BOX)

3'-6"(H) x 2'-6"(W) 3/4" PLYWOOD BACKBOARD INSTALLED BY CONTRACTOR. TOP OF BOARD AT 8'-0" AFF. PAINT WHITE

NOTE: EQUIPMENT RACK SUPPLIED & INSTALLED BY TENANT'S DATA CONTRACTOR

1-GANG BOX WITH 1" CONDUIT FOR DIAL BACK-UP & DSL CABLES

1-GANG BOX WITH 1" CONDUIT FOR PC, PHONE & DATA CABLES

DUPLEX RECEPTACLE (IG5362) WITH ISOLATED GROUND, DEDICATED CIRCUIT (TYP OF 3)

2-GANG BOX WITH 1-1/2" CONDUIT FOR STORE PAGING CABLES (4-11/16" x 4-11/16" BOX)

GROUNDING BUS BAR 1" FROM RIGHT EDGE OF BACKBOARD WITH #12 AWG (SOLID) COPPER WIRE CONNECTED TO BUILDING GROUNDING SYSTEM. INSTALL IN ACCORDANCE WITH LOCAL, STATE & NATIONAL CODES AND STANDARDS

DUPLEX RECEPTACLE (IG5362) WITH ISOLATED DEDICATED CIRCUIT

1-GANG BOX WITH 3/4" CONDUIT FOR OFFICE PAGING VOLUME CONTROL

2-GANG BOX WITH 3/4" CONDUIT FOR EMS OVERRIDE. PRE-SALES & SALES FLOOR LIGHTING SWITCH FOR 50/50 CONTROL AND DAYLIGHT HARVEST SWITCH "O".

6'-0" LONG PLUG MOLD WITH (2) DEDICATED CIRCUITS (CENTERED & MIN OF 8 RECEPT)

NOTE: CONTRACTOR SHALL LABEL ALL PHONE JACKS/JUNCTIONS AS PER ELEVATION.

NOTE: ALL LOW-VOLTAGE FACEPLATES AND LOW-VOLTAGE WIRING WILL BE PROVIDED AND INSTALLED BY TENANT'S DATA CONTRACTOR

NOTE: ALL CONDUIT SHALL BE INSTALLED INSIDE WALL TO EXTEND 8" ABOVE SALES FLOOR CEILING. ALL CONDUIT STUBS SHALL BE FINISHED WITH CONNECTOR/BUSHING AND HAVE PULL STRINGS INSTALLED. ALL CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED. ALL CONDUIT & BOXES ARE DIMENSIONED TO CENTERLINE. CONTRACTOR SHALL LABEL TOP OF CONDUIT TO MATCH LABELS ON JACKS/JUNCTIONS BELOW.

ELECTRICAL AND DATA

3'-6"(H) x 2'-6"(W) 3/4" PLYWOOD BACKBOARD INSTALLED BY CONTRACTOR. TOP OF BOARD AT 8'-0" AFF. PAINT WHITE

TOP OF SLATWALL

PROVIDE 10" WIDE 3/4" WHITE MELAMINE SHELF. SUPPORT W/ SHELF BRACKETS.

PROVIDE 10" WIDE 3/4" WHITE MELAMINE SHELF. SUPPORT W/ SHELF BRACKETS. (CUT 30" OFF TOTAL & OFFSET SHELF TO RIGHT).

PROVIDE (1) 15" DEEP 3/4" WHITE MELAMINE SHELF SUPPORT WITH (FIRE TREATED) 2X4 WOOD CONSTRUCTION. PROVIDE (2) 2 1/2" DIA HOLES W/ GROMMETS FOR PRINTER & CCTV, (1) AT EACH END DIRECTLY ABOVE HOLES IN COUNTER. SEE ENLARGED OFFICE PLAN.

(FIRE TREATED) 2X4 SUPPORT FRAMING ATTACHED TO WALL.

2-1/2" DIA HOLE W/ GROMMET (TYP OF 2)

PRE-FORMED WHITE LAMINATE COUNTER - SUPPORT WITH (FIRE TREATED) 2X4 WOOD CONSTRUCTION.

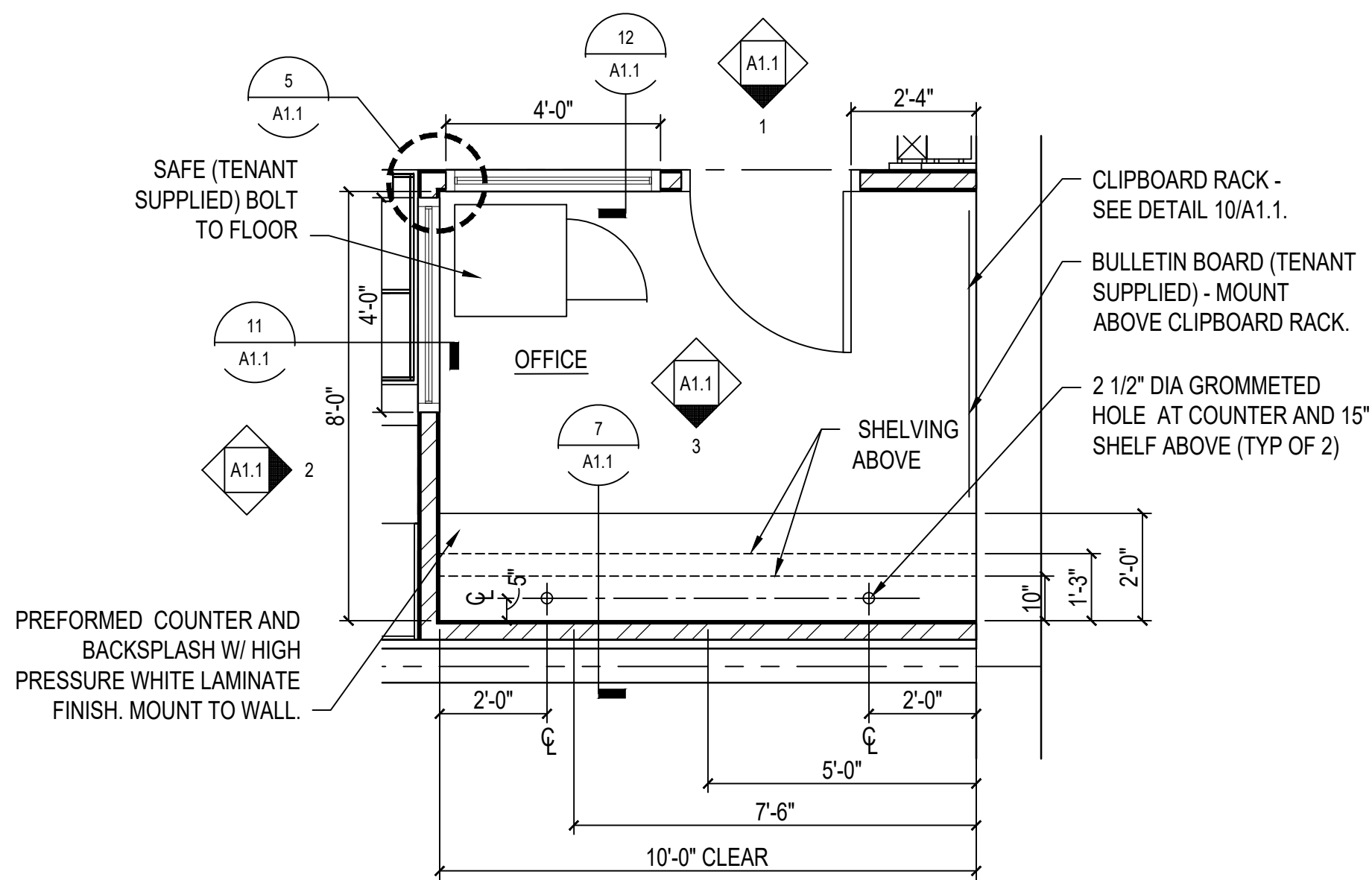
(3 - FIRE TREATED) 2X4 WD SUPPORT LEGS AT FRONT, CENTER AND WALL. REFER TO SECTION.

PT 2X4 WD SILL SHOT TO FLOOR.

4" VINYL COVE BASE

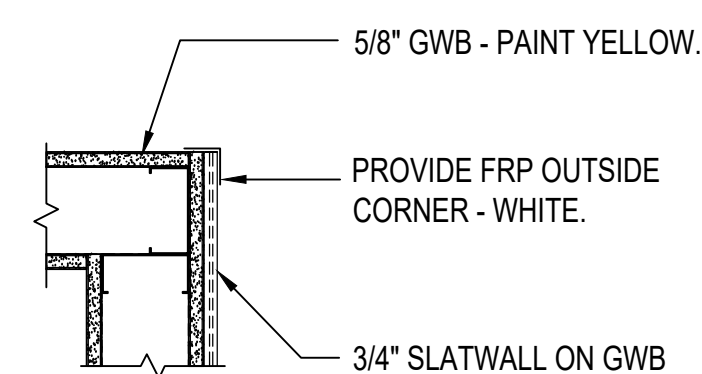
FILE CABINETS (SUPPLIED BY TENANT)

FINISHES, SHELVING AND CONSTRUCTION



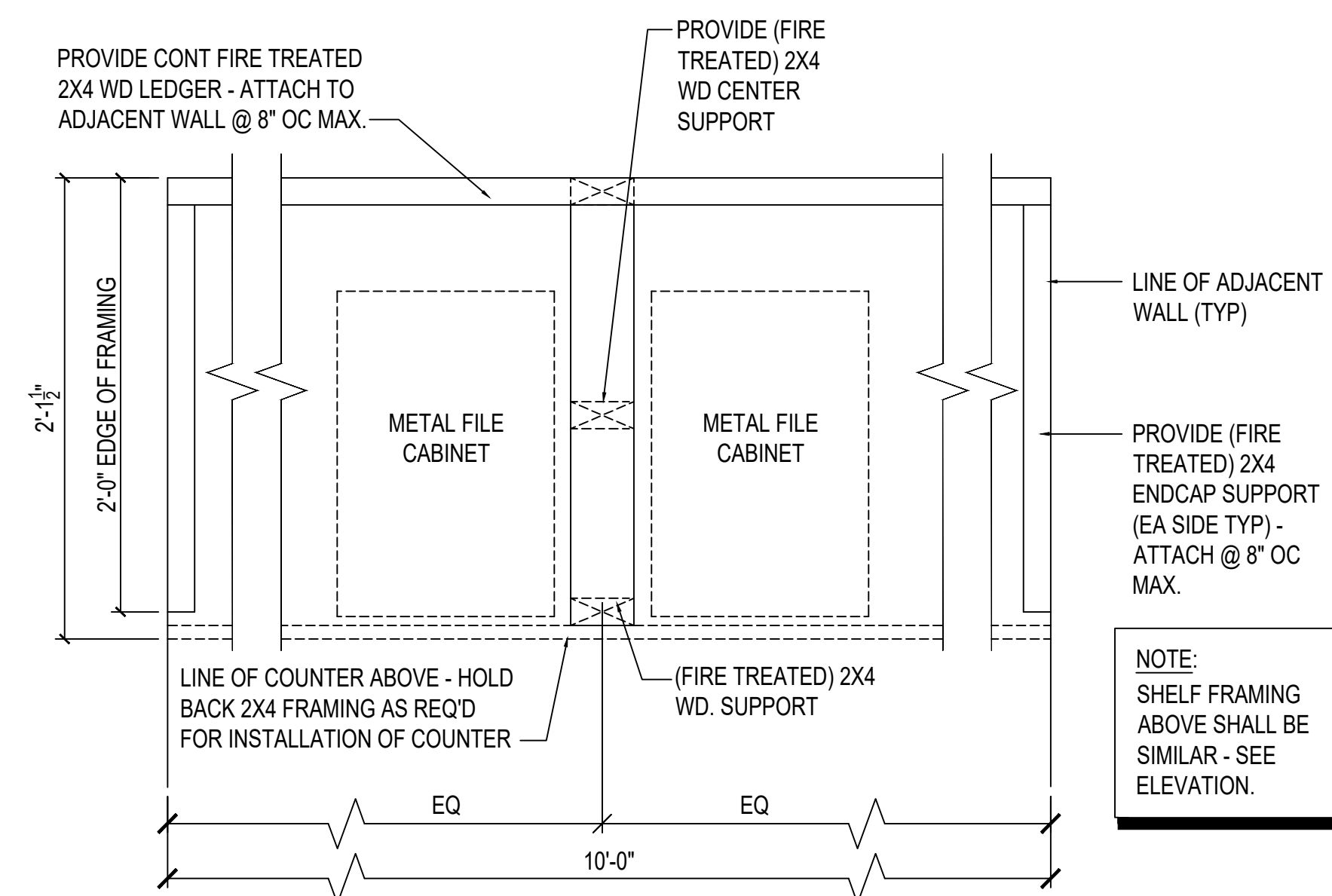
ENLARGED OFFICE PLAN

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

4
A1.1

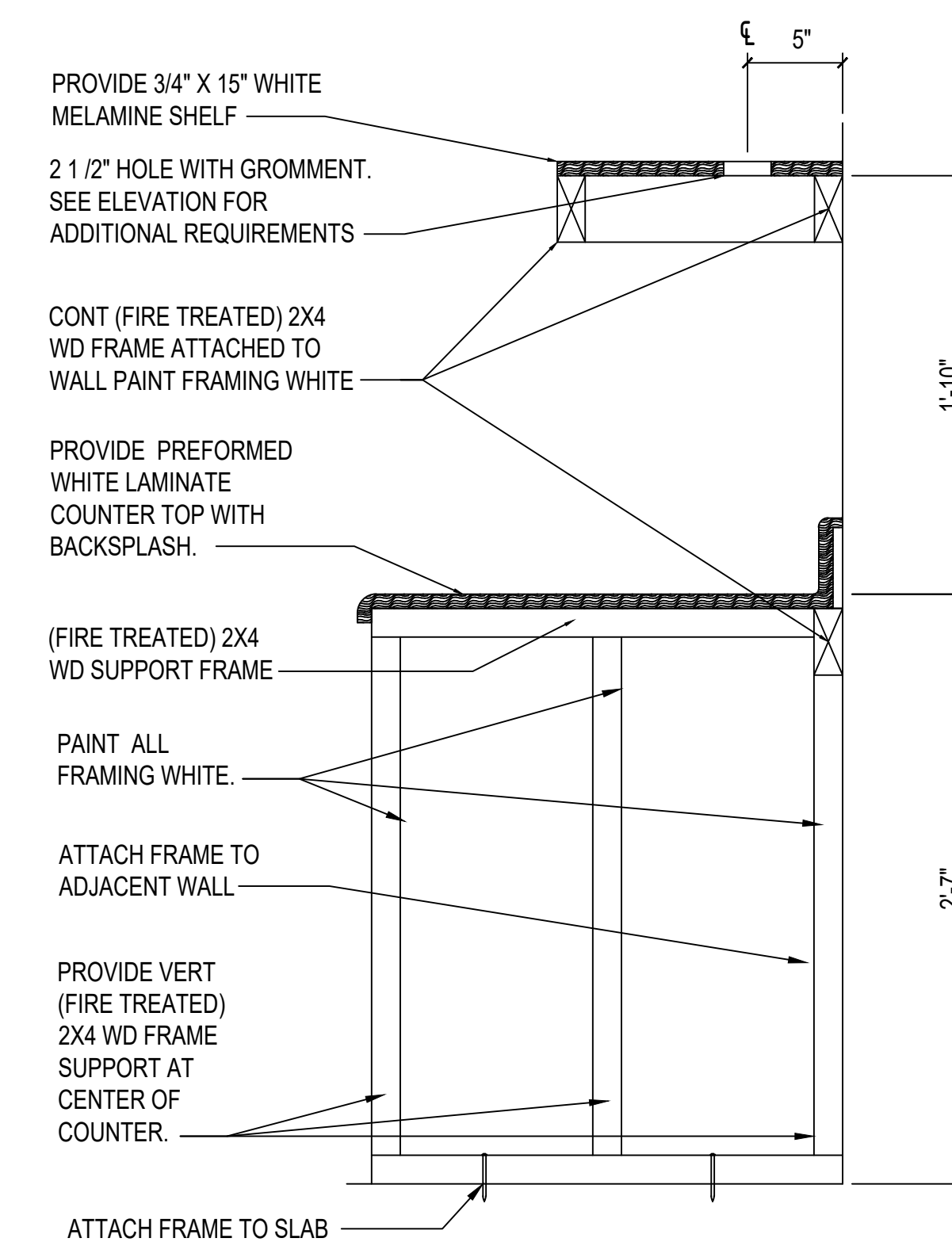
OFFICE CORNER DETAIL

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

5
A1.1

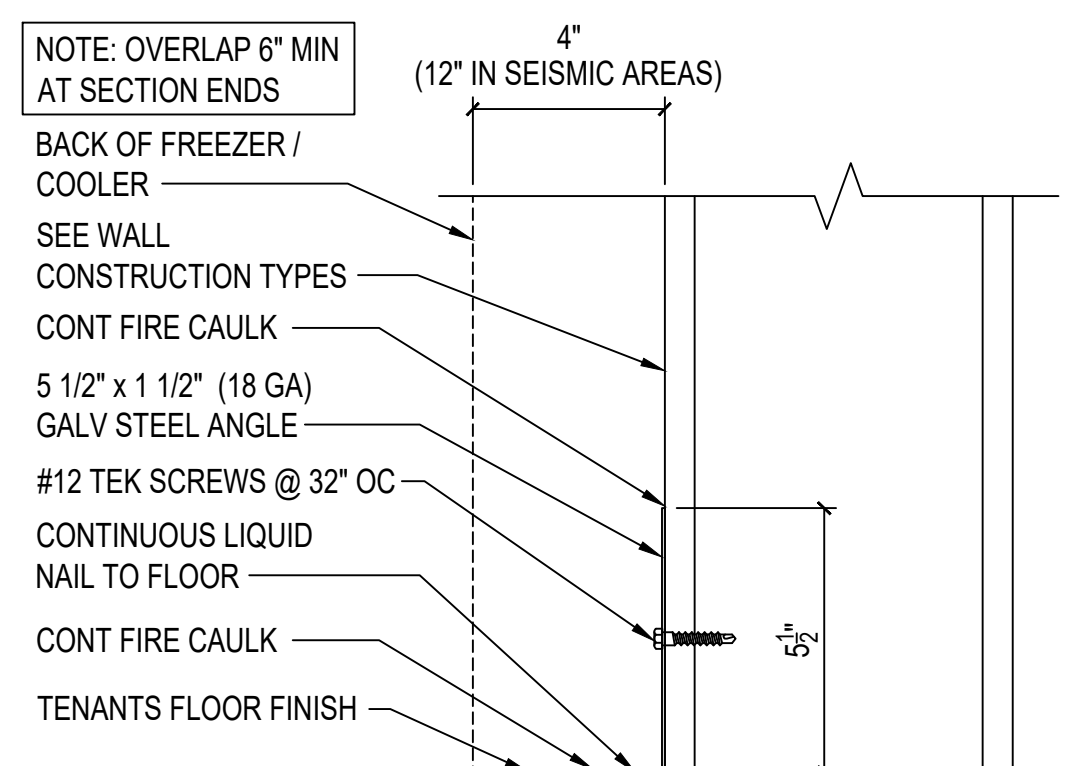
OFFICE DESK DETAIL

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

6
A1.1

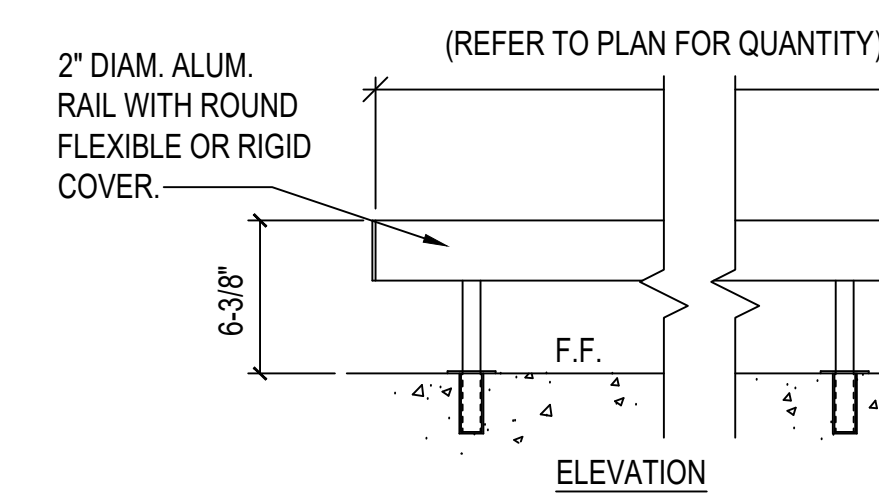
OFFICE DESK SECTION

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

7
A1.1

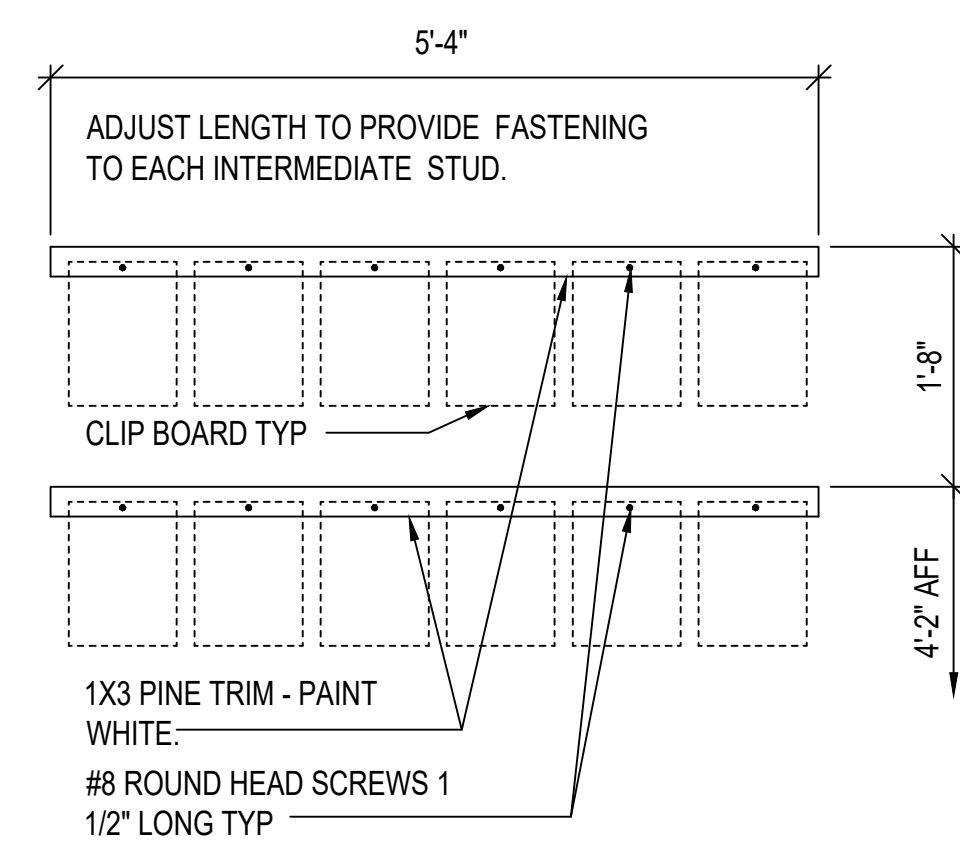
RODENT ANGLE DETAIL

SCALE: 3" = 1'-0"

8
A1.1

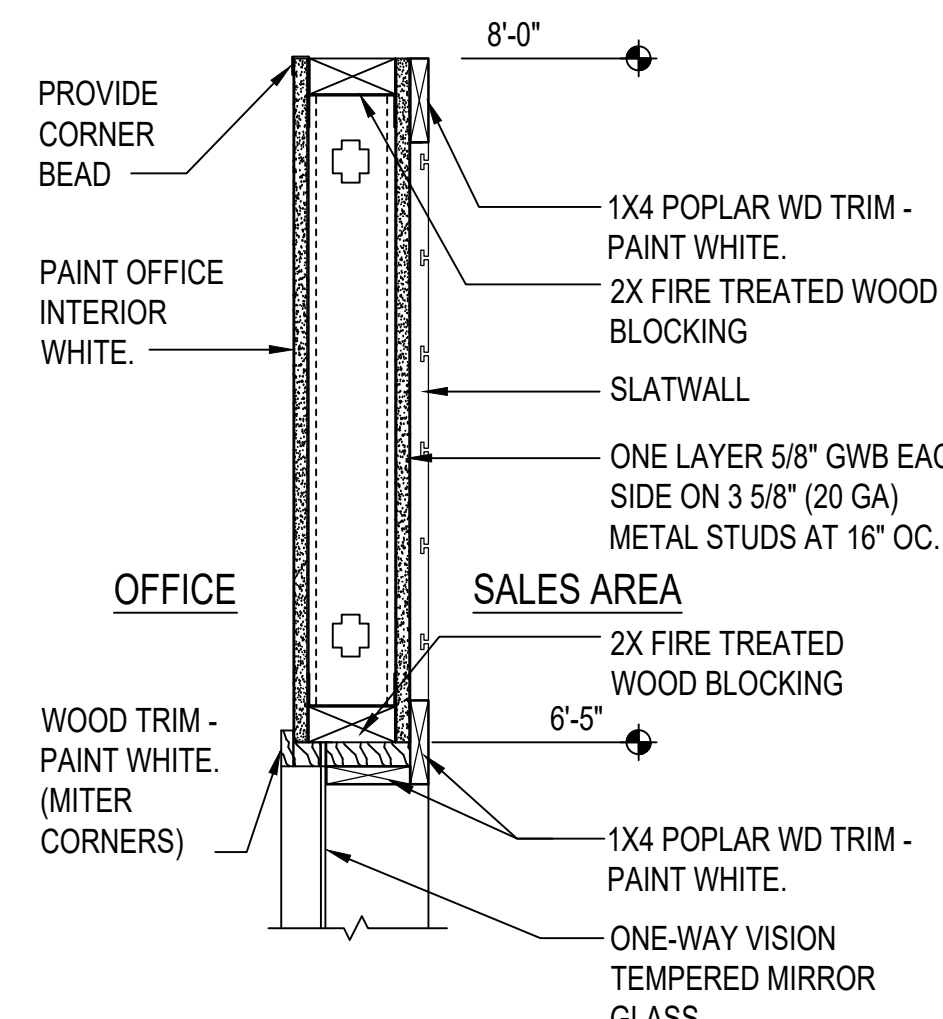
SHOPPING CART BUMPER DETAIL

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

9
A1.1

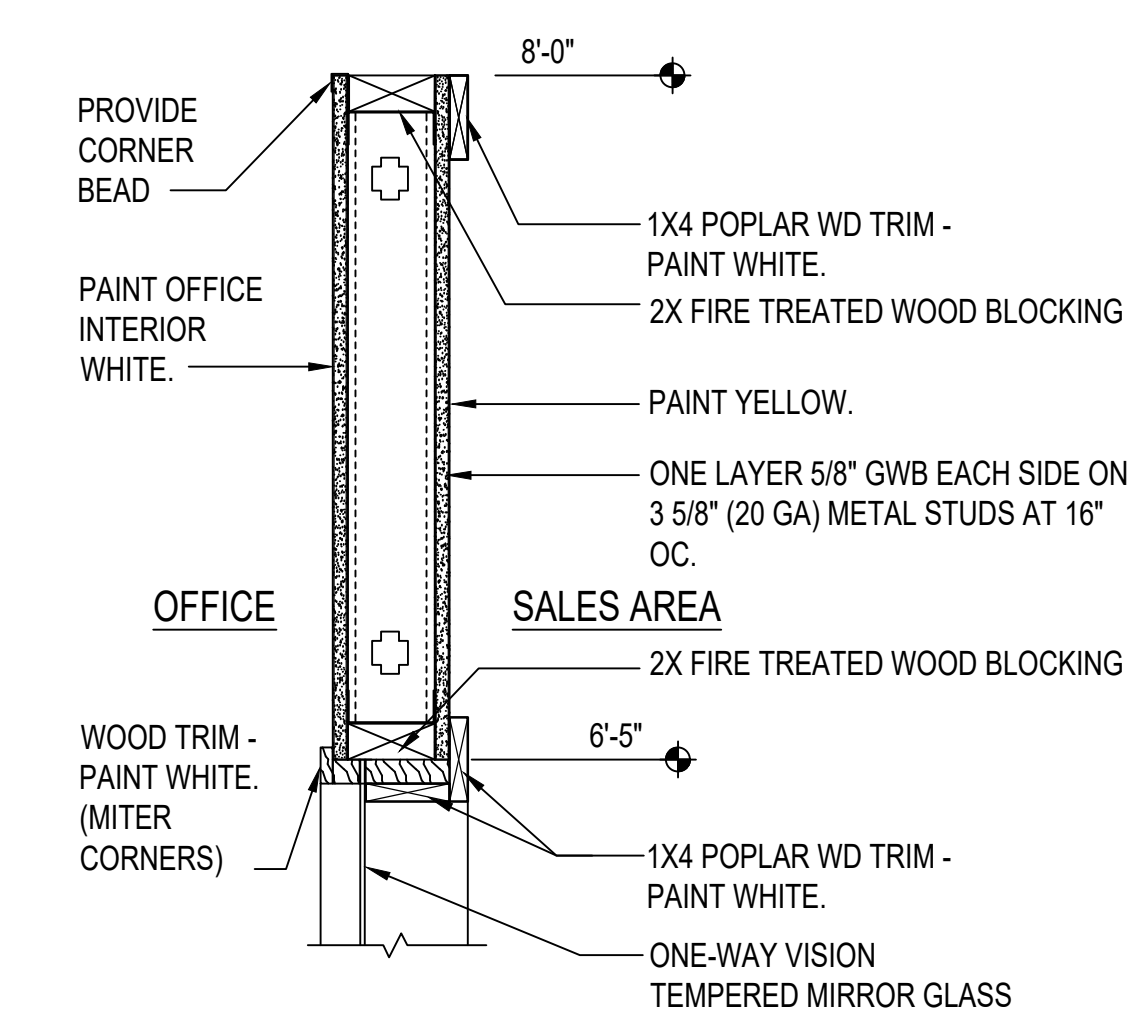
CLIPBOARD RACK ELEVATION

SCALE: 3/4" = 1'-0"

10
A1.1

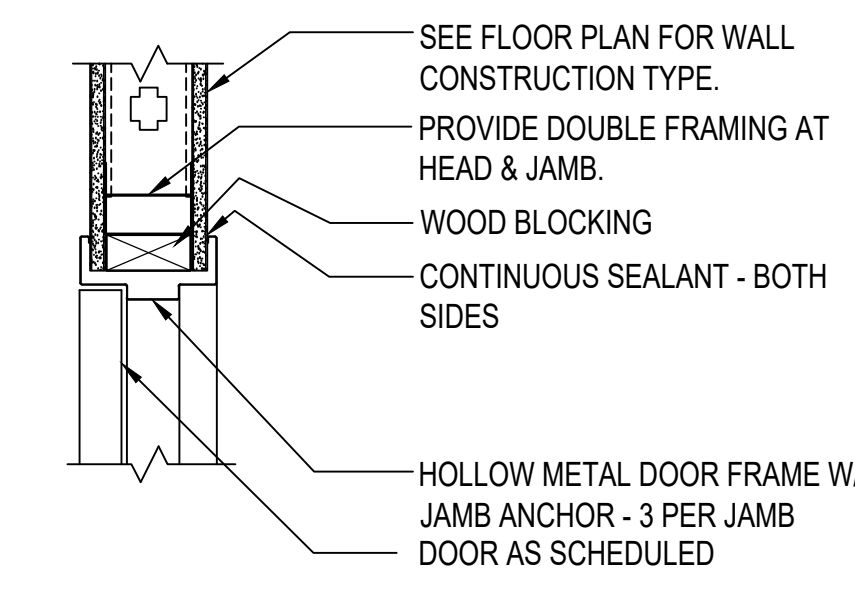
HEAD / JAMB DETAIL

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

11
A1.1

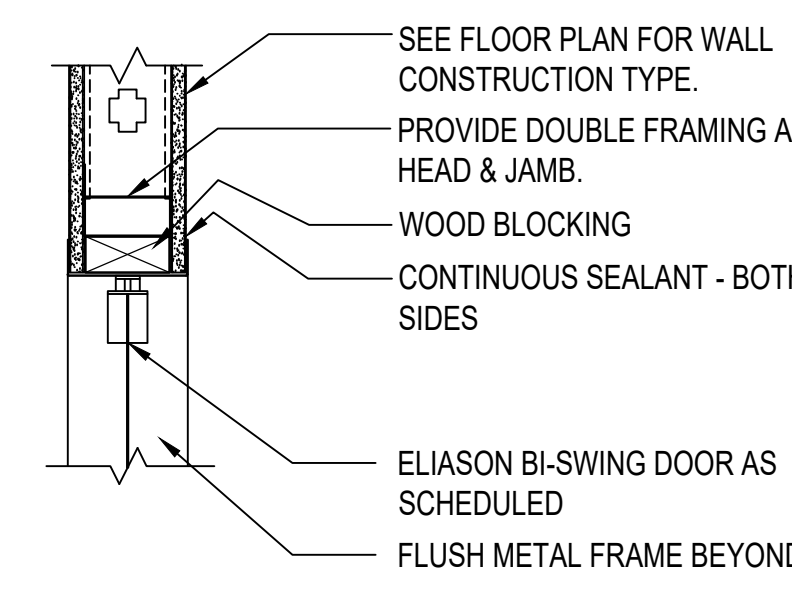
HEAD / JAMB DETAIL

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

12
A1.1

HEAD / JAMB DETAIL

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

13
A1.1

HEAD / JAMB DETAIL

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

14
A1.1

DESCRIPTION	BY	DATE	REVISIONS

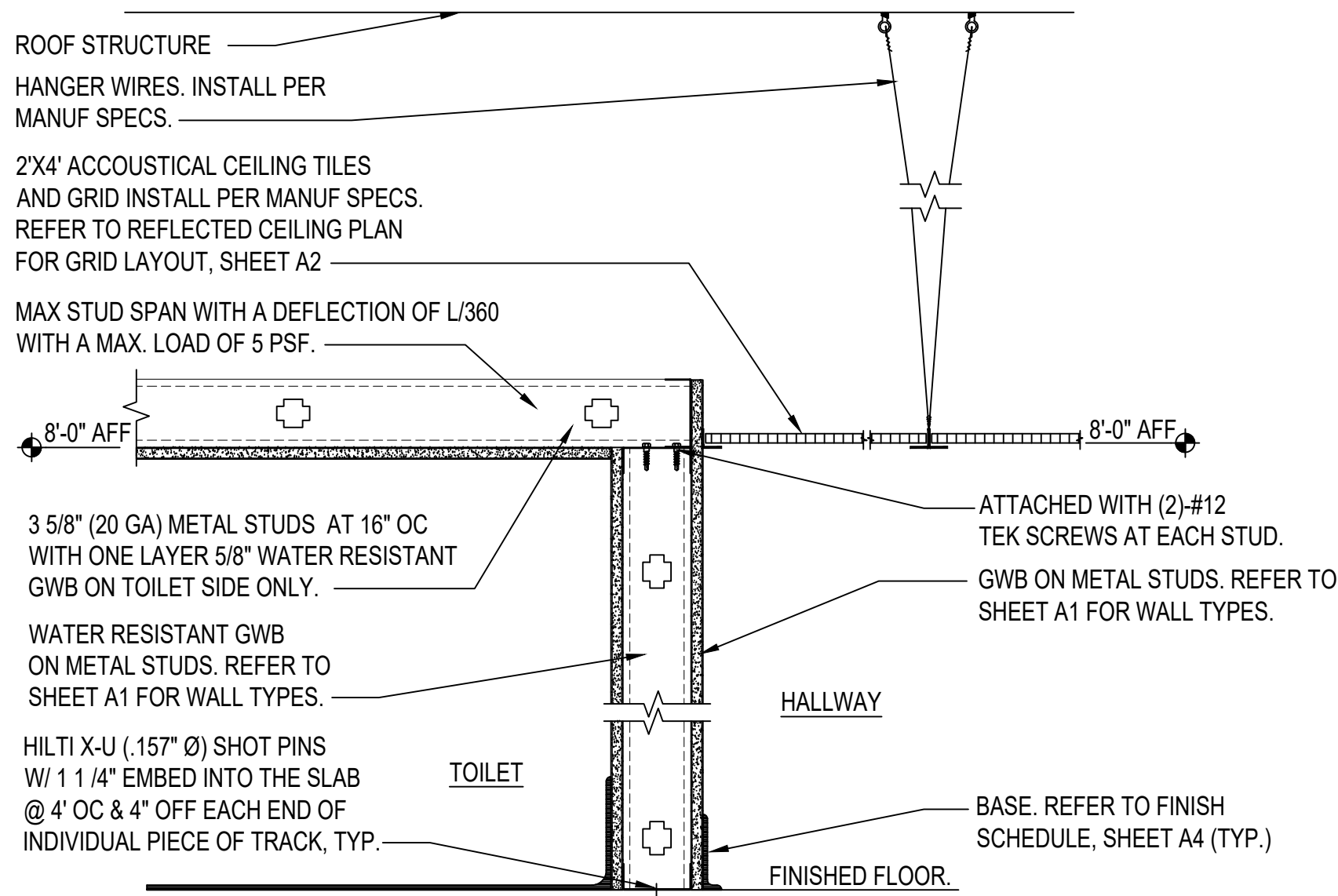
DATE	PROJECT	DRAWN	CHECKED	BE	BE
02/24/2023	0019.30				

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

STATE OF OHIO
BRIAN EADY
2218722
REGISTERED ARCHITECT
03.24.2023

DOLLAR TREE
FORMER ENTERTAINMENT
20530 LAKESHORE BLVD. WILLOWICK, OH 44095
ENLARGED OFFICE PLAN AND DETAILS

SHEET
A1.1



NOTE:
1. REFER TO FINISH SCHEDULE FOR ALL FINISHES, SHEET A4

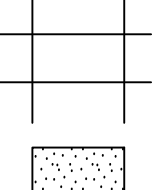
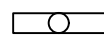
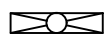
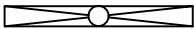
CEILING DETAIL @ TOILET / HALLWAY

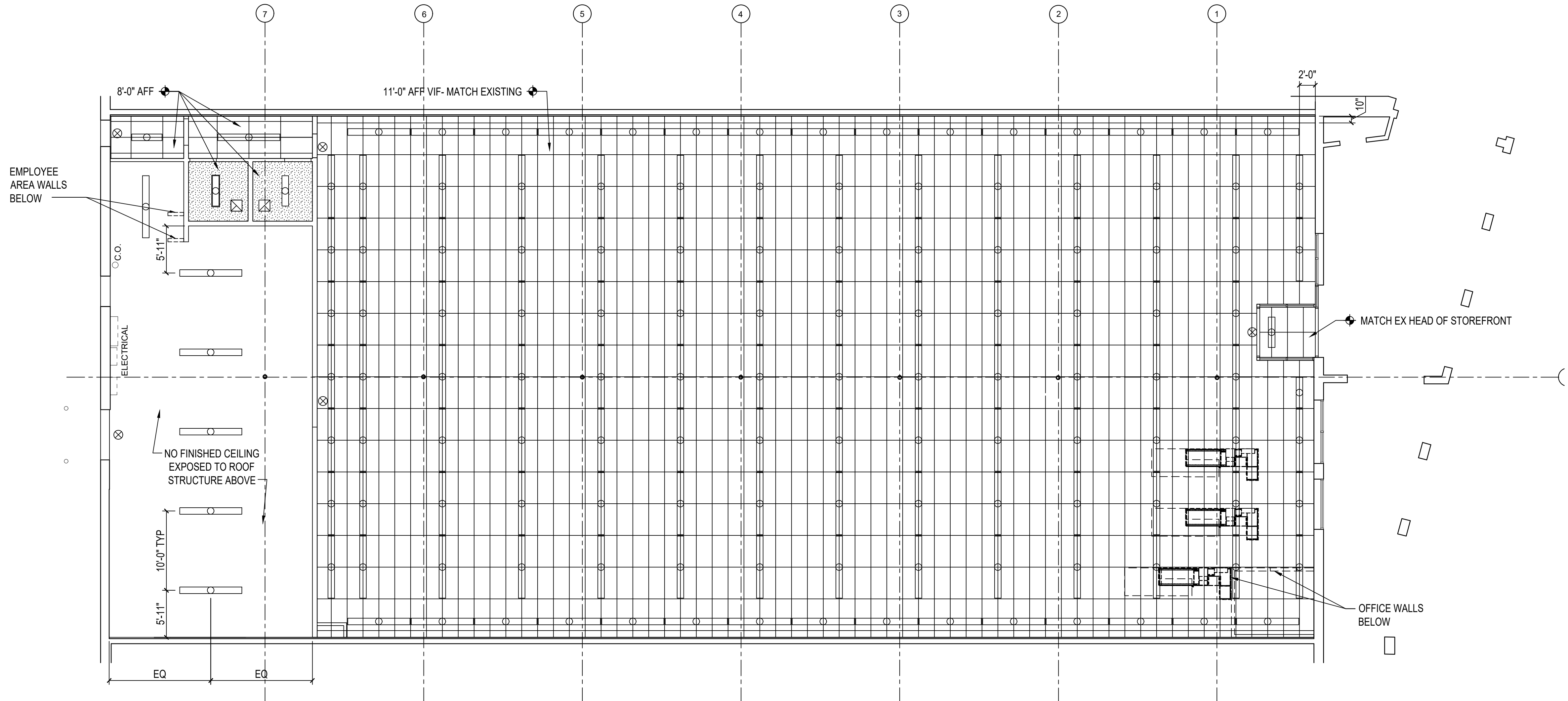
SCALE: 1 1/2"=1'-0"

NOTE: 1. THE ELECTRICIAN SHALL INSTALL ADDITIONAL #12 WIRE TIE SUPPORTS FROM THE CEILING GRID TO THE STRUCTURE ABOVE FOR SUPPORT OF THE LIGHT FIXTURES CLIPPED ON THE GRID.

NOTE: 2. LIGHT FIXTURES, SECURITY CAMERA DOMES, AND MIRROR PANELS (UON) ARE TENANT SUPPLIED / CONTRACTOR INSTALLED.

NOTE: 3. MOUNT LIGHTS 10'-0" AFF IN STOCKROOM.

REFLECTED CEILING LEGEND			
	NEW 2'-0"x4'-0" ACOUSTICAL CEILING TILE AND GRID- SEE FINISH NOTE 4.		EXIT LIGHT
	GWB - PAINT WHITE UNLESS OTHERWISE NOTED.		SECURITY CAMERA DOME
	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.
	8'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO GWB AND ACT CEILING.		VENTILATION FAN
	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
	4'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON NIGHT LIGHT CIRCUIT. SURFACE MOUNT TO GWB AND ACT CEILING.		MIRROR PANEL
	4'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO ACT AND GWB CEILING.		DIFFUSER
	4'-0" STRIP LED LIGHT FIXTURE WITH LAMPS ON EMERGENCY LIGHT CIRCUIT WITH BATTERY PACK. SURFACE MOUNT TO TO GWB AND ACT CEILING.		RETURN AIR GRILLE
	EXIST 4'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO ACT OR PER DETAIL NOTED.		SPRINKLER HEAD (SHOWN FOR INFORMATIONAL PURPOSES ONLY. SPRINKLER CONTRACTOR SHALL PREPARE DRAWINGS AS REQUIRED BY CODE FOR RELOCATION OR ADDITION OF HEADS.)
	EXIST 8'-0" STRIP LED LIGHT FIXTURE. SURFACE MOUNT TO GWB OR PER DETAIL NOTED.		POWER POLE
			CONCENTRIC DIFFUSER/RETURN



REFLECTED CEILING PLAN

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

PROJECT NORTH

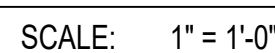
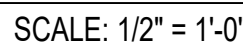
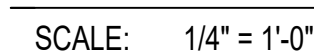
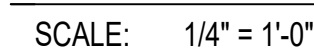
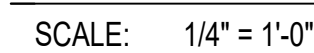
BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010



DOLLAR TREE
FORMER ENTERTAINMENT
3800 LAKESHORE BLVD, WILCOX, OH 44155
REFLECTED CEILING PLAN, LEGEND, NOTES AND DETAILS

PROJECT
DRAWING

SHEET
A2

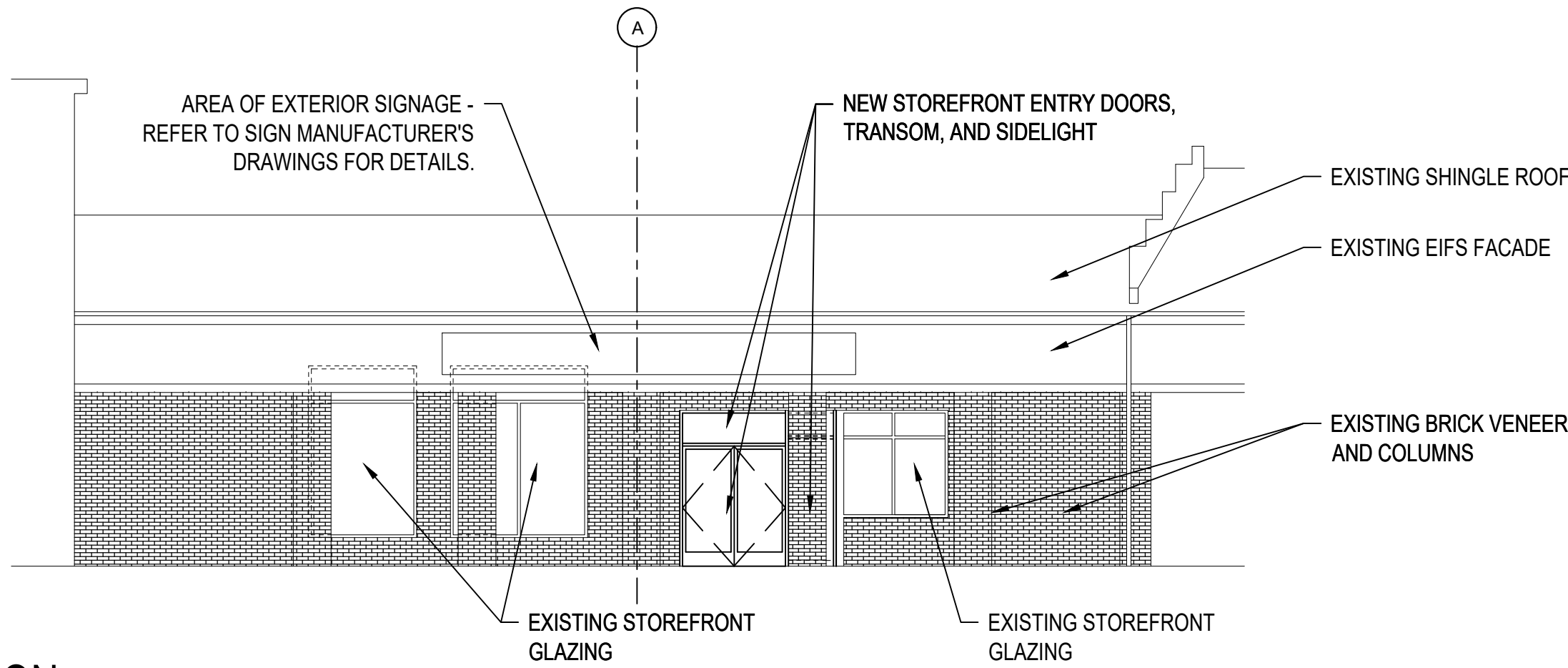
SHEET

A3

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

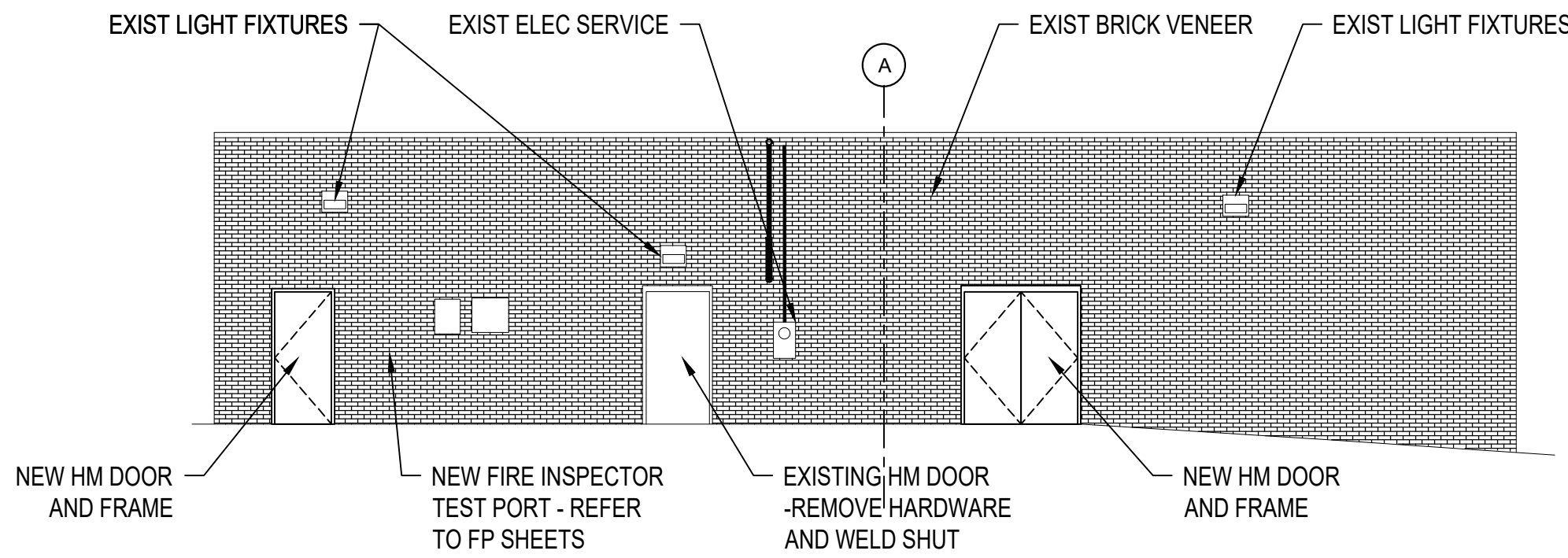
GENERAL CONTRACTOR VERIFY FINAL PAINT AND SIGN RENDERING WITH CONSTRUCTION PROJECT MANAGER PRIOR TO COMPLETING THE BID PROCESS

LANDLORD TO CLEAN EXISTING EIFS AND BRICK VENEER. PATCH AND REPAIR EIFS AND PAINT TO MATCH WHERE EXISTING SIGNAGE IS BEING REMOVED/REPLACED.



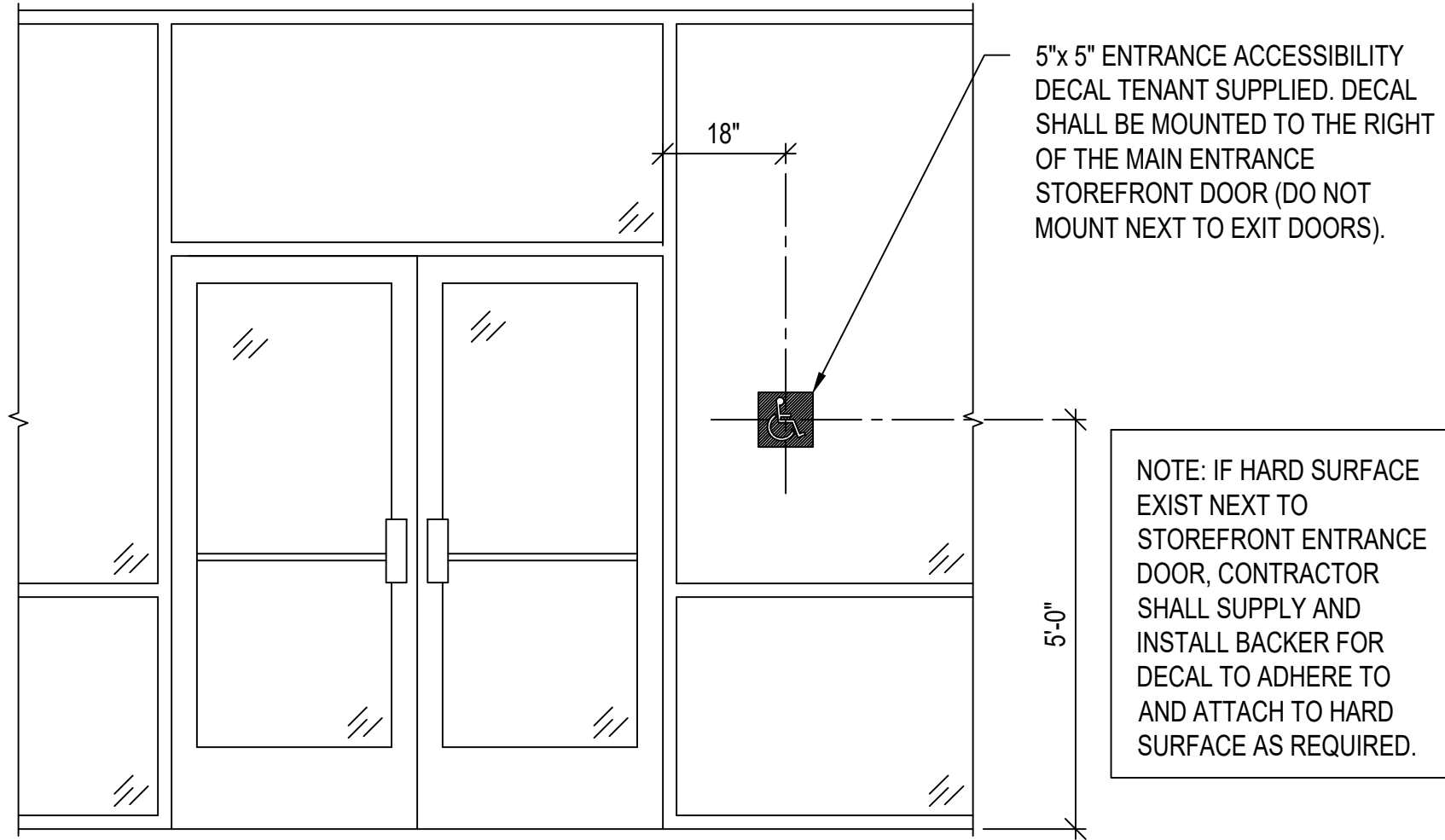
EXTERIOR ELEVATION
SCALE: 1/8"=1'-0"

1
A3.1



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

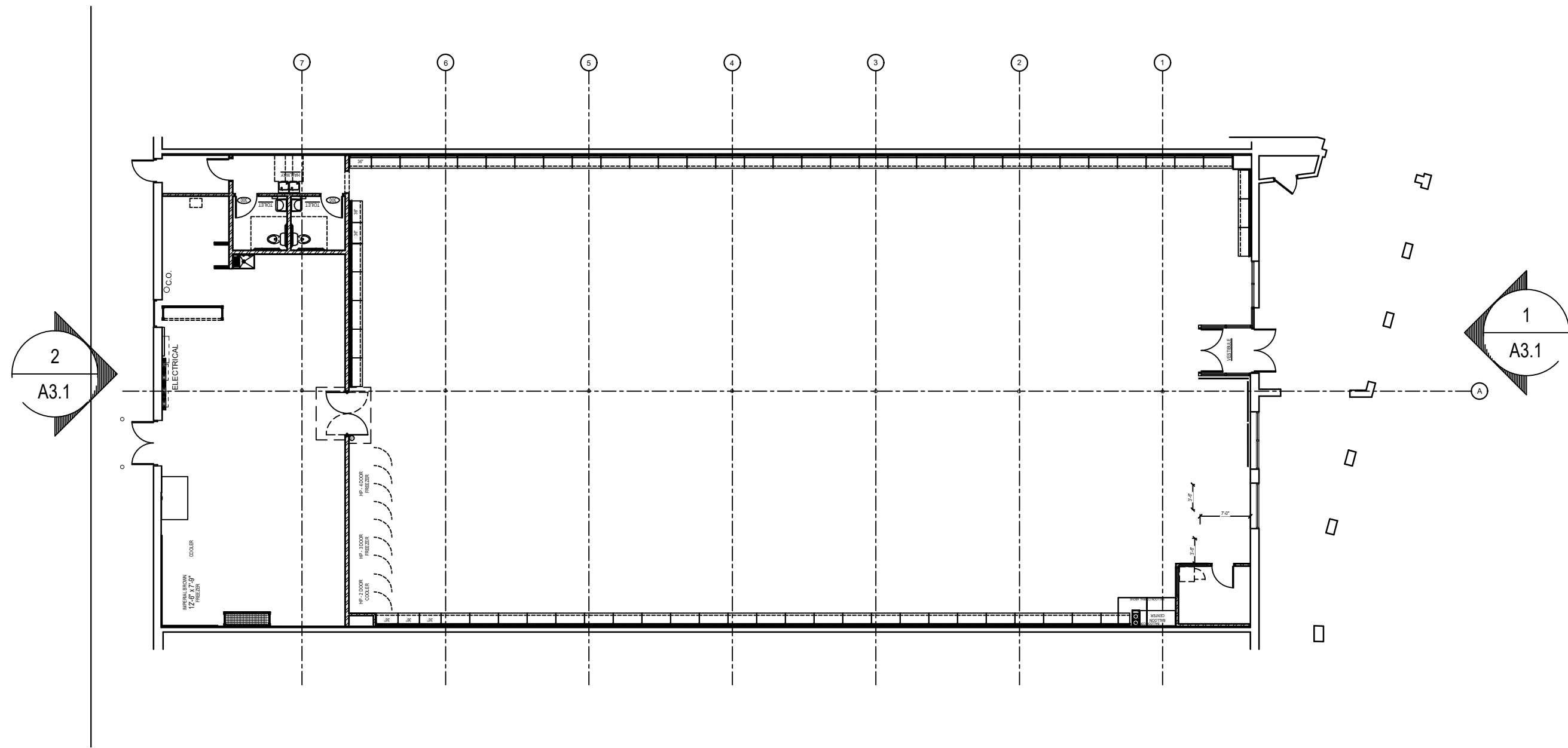
2
A3.1



ACCESSIBILITY DECAL AT
STOREFRONT ENTRANCE

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

5
A3.1



DESCRIPTION	
BY	
MARK	
DATE	
REVISIONS	

02/24/2023	0019.30	BE	BE
DATE	PROJECT	DRAWN	CHECKED

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIAN EADY ARCHITECTS.COM
586.933.3010

ALL DRAWINGS ARE PREPARED BY BRIAN EADY ARCHITECTS, INC. OR ITS EMPLOYEES. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM BRIAN EADY ARCHITECTS, INC.

STATE OF OHIO

BRIAN EADY
2218722

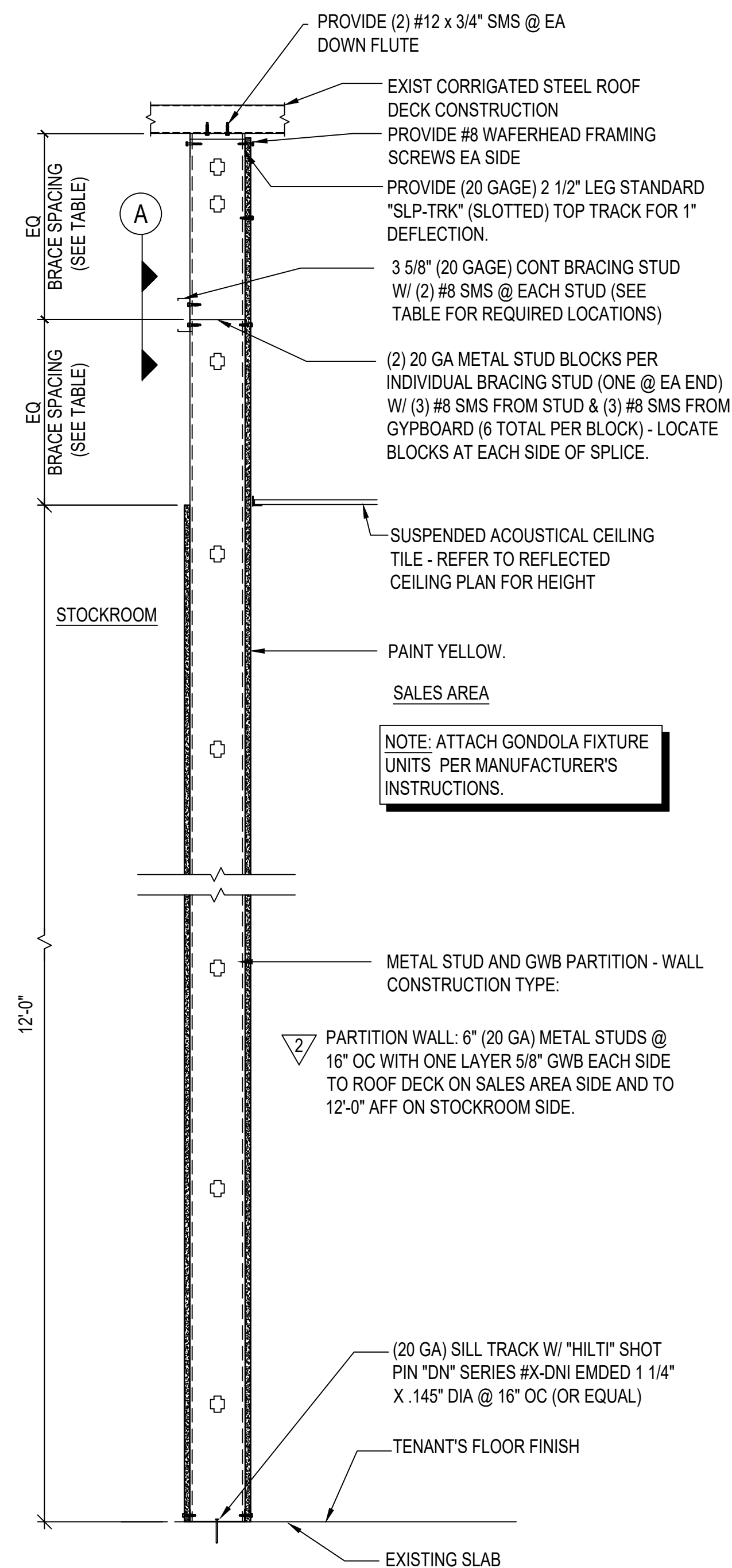
REGISTERED ARCHITECT

03.24.2023

DOLLAR TREE
FORMER ENTERTAINMENT
20630 LAKESHORE BLVD, WILLOWICK, OH 44095
EXTERIOR ELEVATIONS AND DETAILS

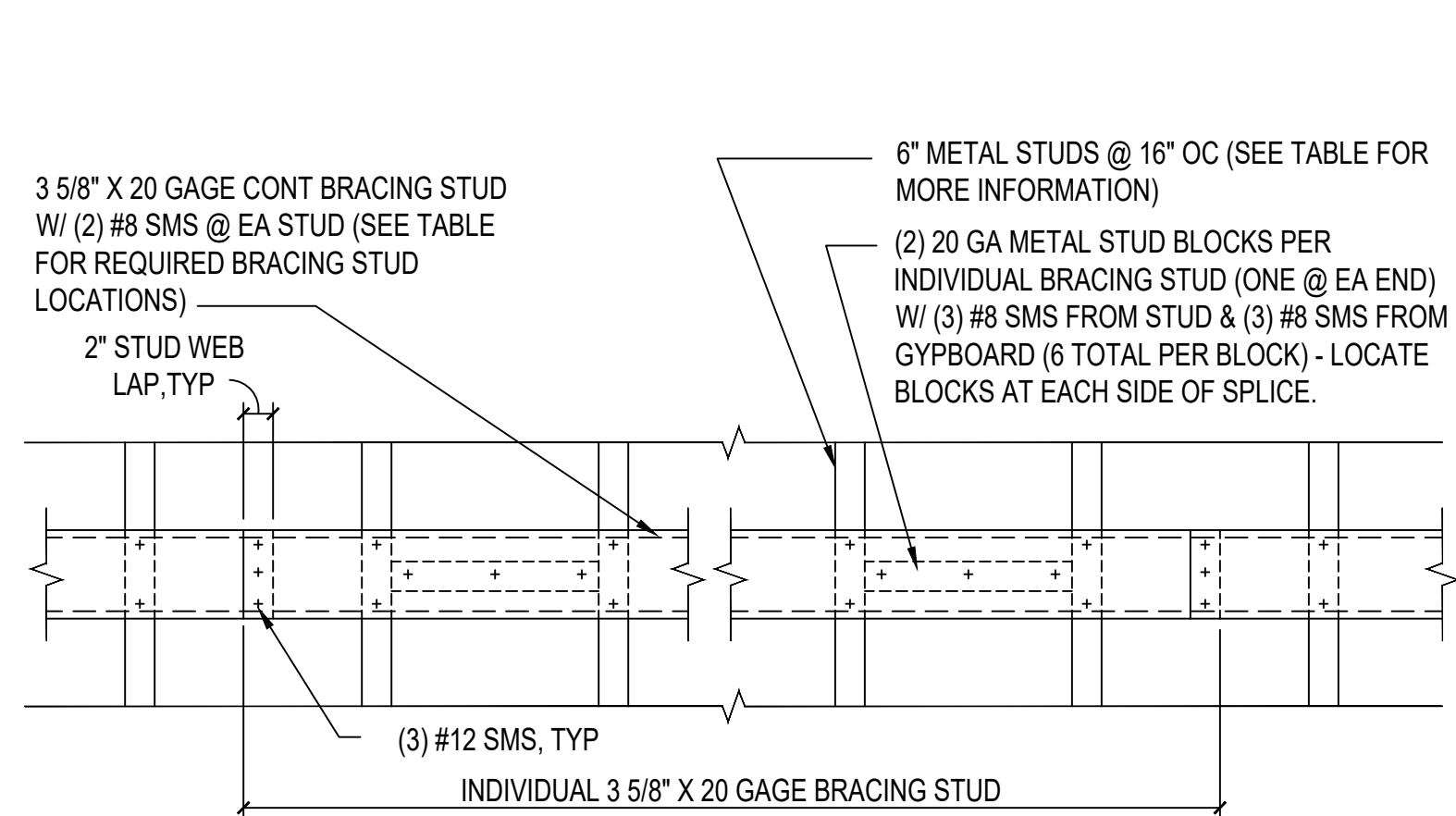
PROJECT
DRAWING

SHEET
A3.1



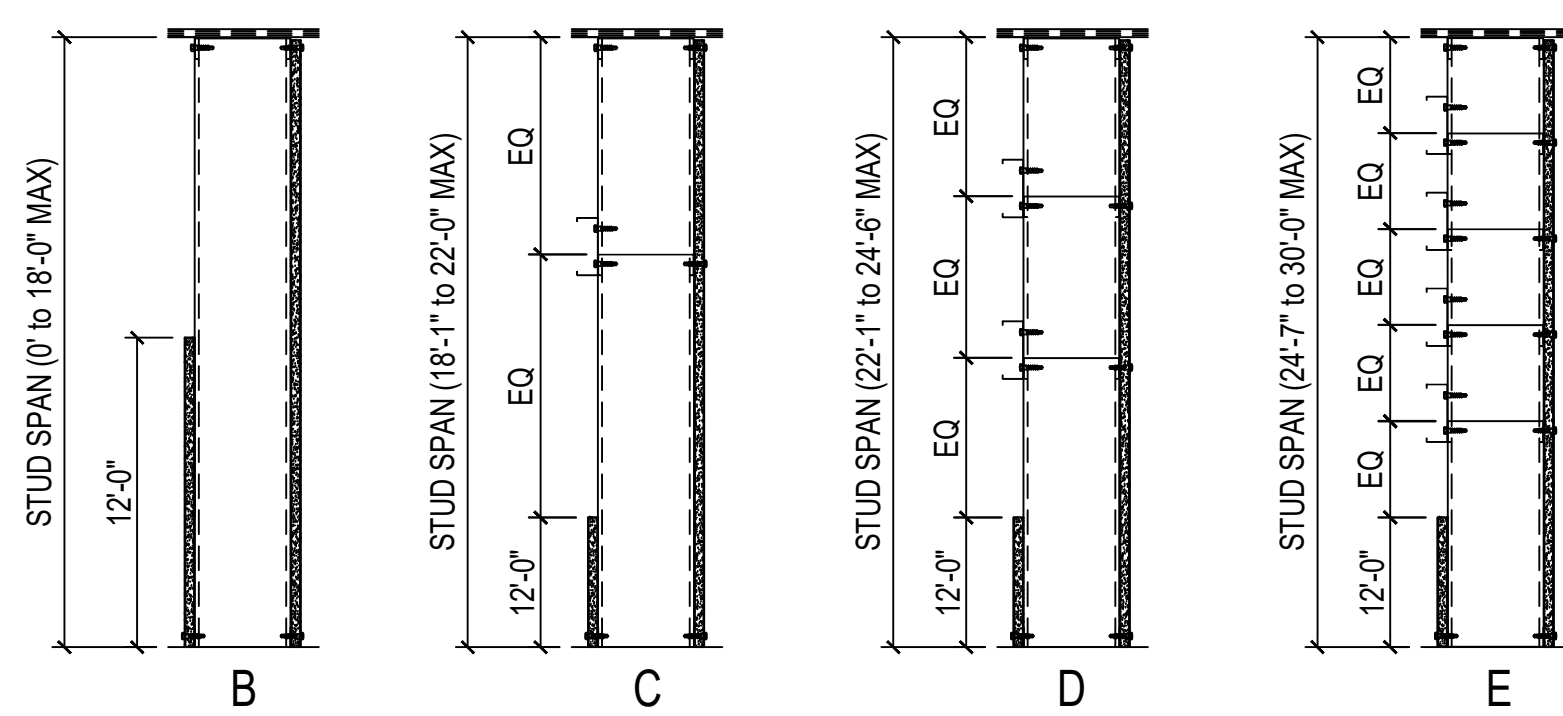
WALL SECTION - CONSTRUCTION TYPE: 2

SCALE: 1" = 1'-0"



DETAIL

SCALE: 1" = 1'-0"

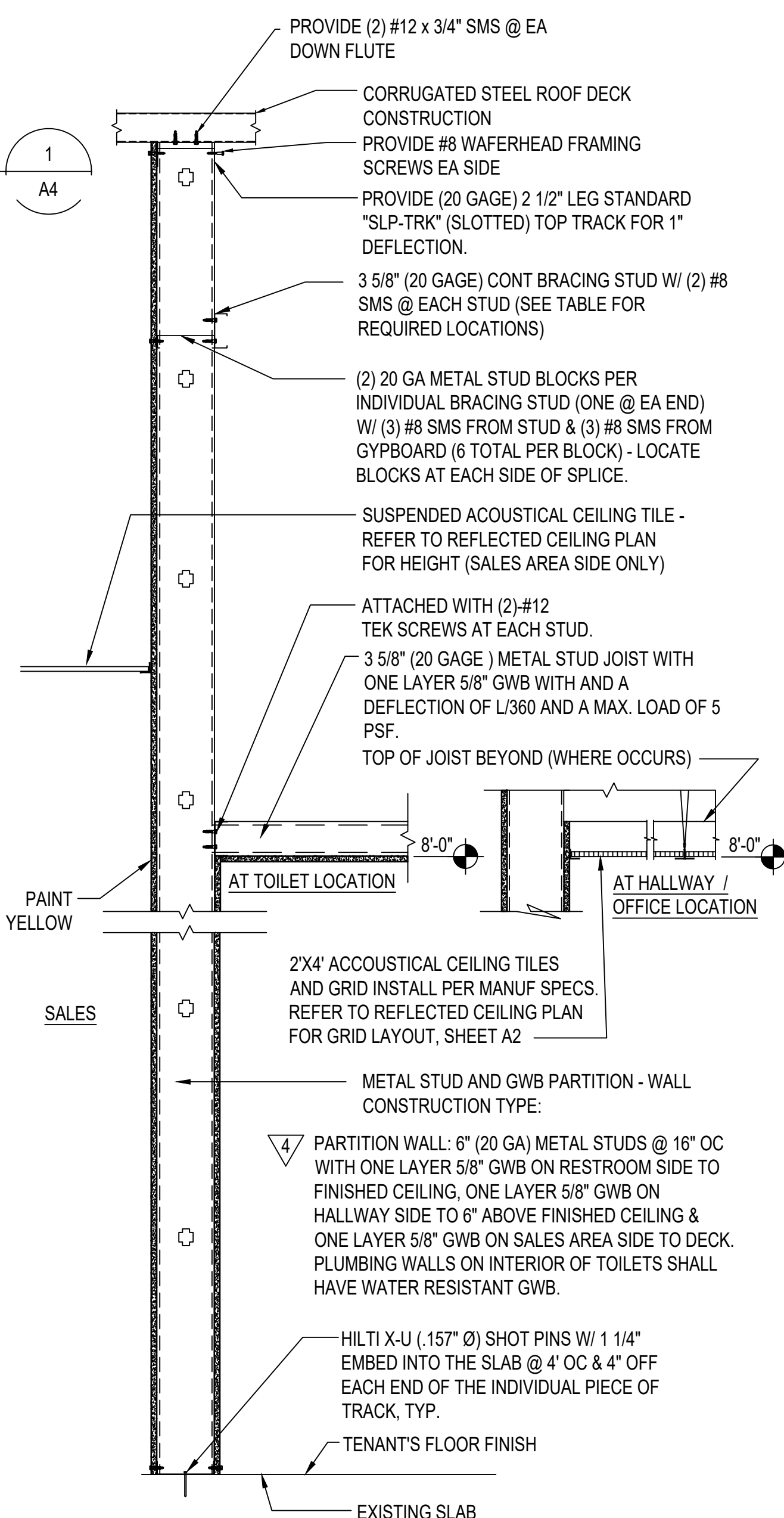


BRACING LOCATION SECTION

SCALE: NTS

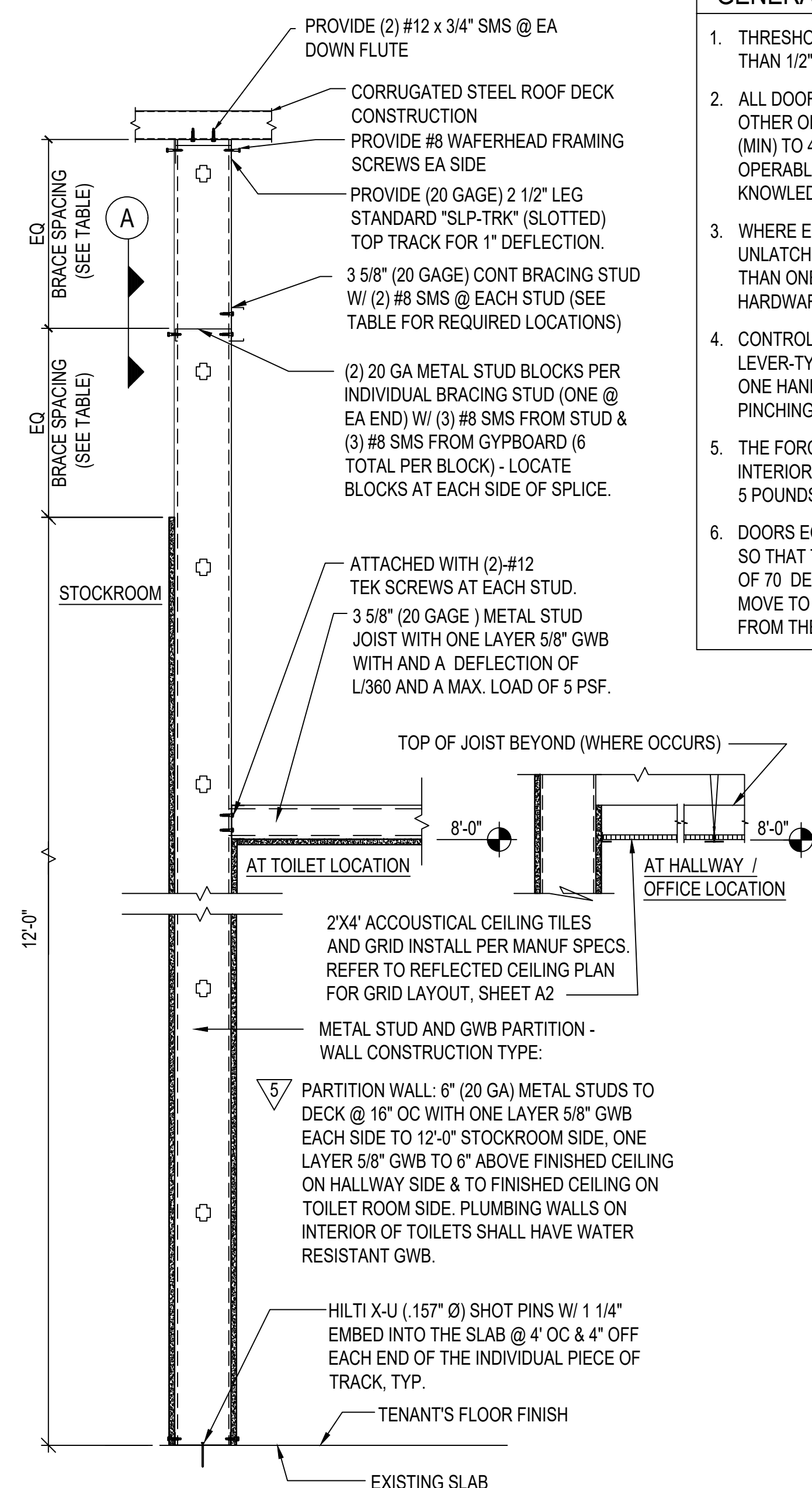
STUD SPAN	STUD GAGE	BRACE SPACING	BRACING LOCATION SECTION
18'	20 (600S125-33)	NO BRACING REQUIRED	B
22'	20 (600S125-33)	5' OC (MAX)	C
24'-6"	20 (600S125-33)	4'-2" OC (MAX)	D
30'-0"	18 (600S125-43)	3'-7" OC (MAX)	E

STUDS MUST MEET MINIMUM SSMA SPECIFICATIONS FOR 600S125 Fy=33 KSI STUDS OF THE SPECIFIED GAGE.



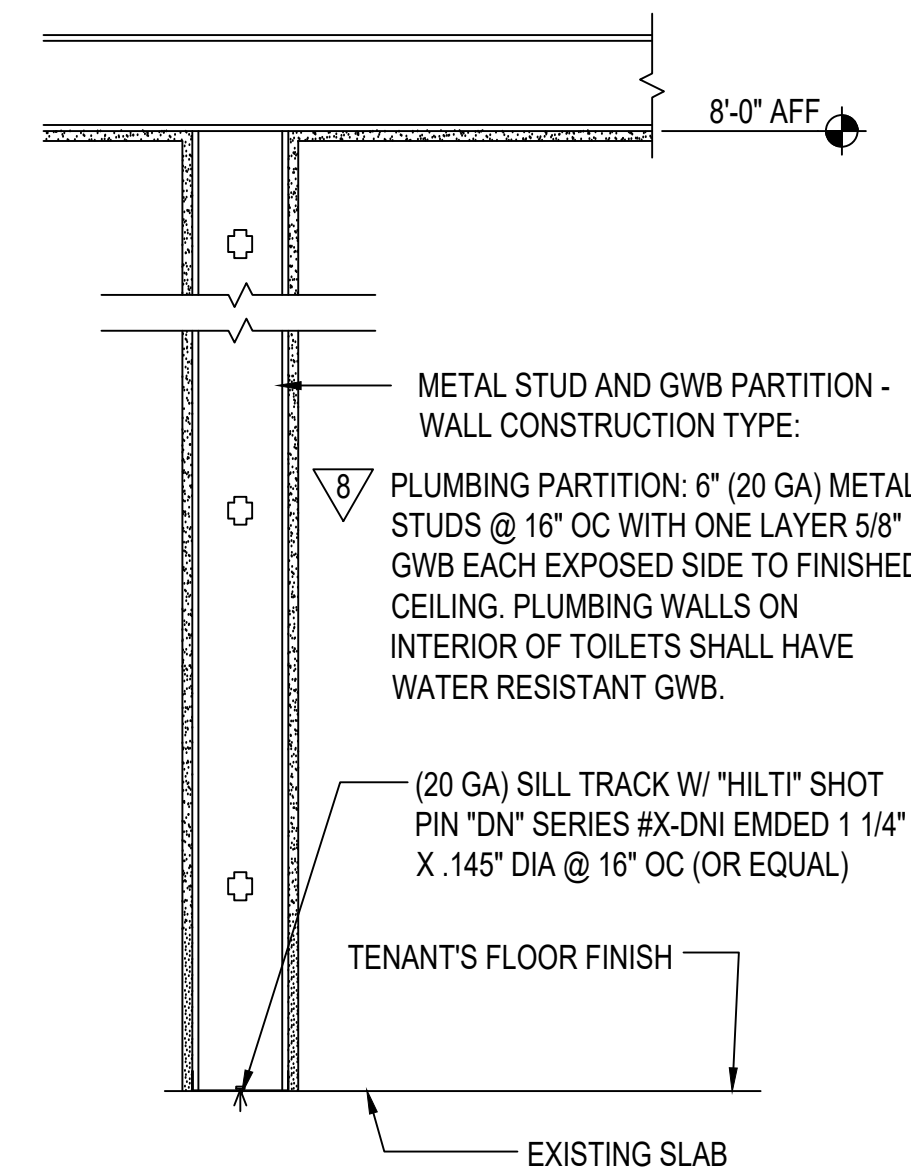
WALL SECTION - CONSTRUCTION TYPE: 4

SCALE: 1" = 1'-0"



WALL SECTION - CONSTRUCTION TYPES: 5

SCALE: 1" = 1'-0"



WALL SECTION - CONSTRUCTION TYPE: 8

SCALE: 1" = 1'-0"

FINISH SCHEDULE						
ROOM #	SPACES	FLOORS	BASES	WALLS	CEILING	NOTES
100	VESTIBULE	ENTRY CARPET	—	STOREFRONT	ACT	1,4
101	SALES	POISHED CONCRETE	4" VINYL	GWB - PAINT PT-1 / FRP TO 4'-0"	ACT	1,2,4,5,7,9,11,12
102	OFFICE	POISHED CONCRETE	4" VINYL	GWB - PAINT PT-3	—	2,7,10,12
103	HALLWAY	POISHED CONCRETE	4" VINYL	GWB - PAINT PT-2 / FRP TO 4'-0"	ACT	2,4,5,7
104 & 105	TOILET	SHEET VINYL	SHEET VINYL	FRP	GWB - PT-3	3,5
106	PRE-SALES	SEALED CONCRETE - PAINT 12" (PT-8) AROUND PERIMETER OF PRE-SALES	4" VINYL	EXIST / GWB / 1/2" FIRE TREATED PLYWOOD TO 4'-0" - PAINT PT-4	EXPOSED DECK - PAINT PT-9	2,5,6,8,13,14

PAINT FINISH SCHEDULE

NO.	TYPE	COATS	BENJAMIN MOORE	BM-LOW VOC BASE PRODUCT
PT-1	EGGSHELL	2	"DT BM #2019-60 - LEMON SORBET"	SUPER HIDE ZERO VOC LATEX - 357
PT-2	SEMI-GLOSS ENAMEL	2	"DT BM #2019-60 - LEMON SORBET"	SUPER HIDE ZERO VOC LATEX - 358
PT-3	SEMI-GLOSS ENAMEL	2	"DT BM WHITE"	SUPER HIDE ZERO VOC LATEX - 358
PT-4	EGGSHELL	2	"DT BM WHITE"	SUPER HIDE ZERO VOC LATEX - 357
PT-7	SEMI-GLOSS	2	"DT BM GREY"	TOUGH SHIELD ACRYLIC GLOSS - TY 43
PT-8	SEMI-GLOSS	2	"DT BM WHITE"	TOUGH SHIELD ACRYLIC GLOSS - TY 43
PT-9	FLAT	2	"DT BM WHITE"	SUPER HIDE ZERO VOC LATEX - 355

FINISH NOTES

- CARPET TILE: MANUFACTURED BY PORTICO SYSTEMS. AND TENANT SUPPLIED / CONTRACTOR INSTALLED. INSTALL TILES QUARTER TURNED AND PER TENANT'S CRITERIA.
ENTRY TILE: DOMINATOR LP TILE: ANTHRACITE #1593. CONTRACTOR SHALL PREPARE FLOOR. SURFACE AND COORDINATE CARPET INSTALLATION W/ CARPET INSTALLER.
- VINYL COVE BASE: 4" HIGH TOPSET COVE VINYL - ARMSTRONG, BLACK. VINYL BASE ON EXPOSED AREAS ONLY IN SALES ROOM (NOT BEHIND GONDOLAS AND FREEZER / COOLERS). VINYL COVE TO BE INSTALLED IN PRE-SALES ON ALL PERIMETER WALLS (EXCLUDING MASONRY WALLS IN PRE-SALES).
- SHEET VINYL: WELL APPOINTED INLAID HETEROGENEOUS SHEET VINYL #1NL2M703 MANUFACTURED BY AHF CONTRACT OR EQUAL. SHEET VINYL BASE: INTEGRAL, 3/8" RADIUS, 6" HIGH COVED BASE W/ COVE STICK AND EXTRUDED ALUMINUM CAP TRIM.
- NEW CEILING TILE AND GRID: PROVIDE 2'-0" X 4'-0" CEILING TILE EQUAL TO ARMSTRONG "CORTEGA" MINABOARD #769, WHITE, IN A WHITE METAL GRID. (IN AREAS WITH SIGNIFICANT AIR PRESSURE DIFFERENTIALS PROVIDE RETENTION CLIPS TO RETAIN PANELS IN PLACE.)
- FRP (FIBERGLASS REINFORCED PANEL - GLASBORD # 85 - WHITE W/ PEBBLED EMBOSSED FINISH, BY CRANE COMPOSITES OR EQUAL); IN TOILET ROOM FROM FLOOR TO 8'-0" AFF SHALL BE WHITE COLOR. FRP TO 8'-0" AFF IN PRE-SALES BEHIND MOP SINK AND UTILITY CABINET ONLY. FRP IN HALLWAY FROM FLOOR TO 4'-0" AFF BEHIND DRINKING FOUNTAIN ONLY. FRP ON SALES FLOOR (WHERE NOTED ON PLANS/ELEVATIONS) SHALL BE ALMOND COLOR WITH "J" CHANNEL TRIM CAP AND "H" CHANNEL PANEL CONNECTORS.
- SEALER: CLEAR ACRYLIC SEALER BY MASTERKURE, CC 300SB OR DOLLAR TREE APPROVED SUBSTITUTE.
- POISHED CONCRETE FLOOR PER MANUFACTURE SPECIFICATIONS BY TENANT'S VENDOR. COORDINATE WITH TENANT.
- 12" STRIPE AROUND PERIMETER & AROUND COLUMNS: COLOR PT-8. BAND SHALL BE PAINTED PRIOR TO PAINTING ANY YELLOW CLEAR FLOOR AREAS.
- EXPOSED STEEL COLUMNS TO BE PAINTED PT-1. ROUND COLUMNS ARE NOT TO RECEIVE COVE BASE.
- PROVIDE PREFORMED COUNTER WITH WHITE HIGH PRESSURE LAMINATE FINISH. MOUNT TO WALLS. FILING CABINETS PROVIDED BY TENANT. SEE ENLARGED OFFICE PLAN AND OFFICE ELEVATION.
- SALES AREA TO RECEIVE LEVEL 4 FINISH. PROVIDE FINISH TO 1'-0" BEHIND FREEZER / COOLER AND GONDOLA. TO FF EVERYWHERE ELSE. CONTRACTOR SHALL ALLOW 72 HOUR CURE TIME.
- SLATWALL: 3/4" SLATWALL WITH WHITE MELAMINE FINISH. SEE MANUFACTURER'S DRAWINGS FOR INSTALLATION DETAILS. SLATWALL IS TENANT SUPPLIED / CONTRACTOR INSTALLED.
- PAINT PRE-SALES WALLS PT-4 TO DECK.
- PROVIDE 1/2" FIRE TREATED PLYWOOD TO 4'-0" AFF AROUND PERIMETER. PRE-SALES WALLS (WALLS WITH GYP BOARD FINISH ONLY). PLYWOOD SHALL NOT BE INSTALLED ON MASONRY WALLS OR WALLS ADJACENT TO MOP SINK UNO.

DOOR SCHEDULE						
DOORS					DETAILS	
#	W	H	T	MATERIAL	TYPE	FR
100	3'-0"	6'-8"	1 3/4"	SOLID CORE WOOD	FP	13A/1.1
200	PR 3'-0"	7'-0"	.063"	TEMP. ALUM ALLOY	NL	14A/1.1
300	3'-0"	6'-8"	1 3/4"	SOLID CORE WOOD	FP	13A/1.1
400	PR 3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FP	-
401	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FP	-
402	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	FP	-
500	PR 3'-0"	7'-0"	1 3/4"	ALUM & GLASS	SF	-
501	PR 3'-0"	7'-0"	1 3/4"	ALUM & GLASS	SF	-

DOOR NOTES				HARDWARE NOTES			
------------	--	--	--	----------------	--	--	--

- 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.
- NEW ELIASON BI-SWING DOORS W/ WINDOW - SUPPLIED BY TENANT. REINFORCE JAMBS WITH WOOD BLOCKING. PAINT DOOR FRAME WHITE WITH SEMI-GLOSS ENAMEL PAINT. DOOR TO REMAIN WITH ORIGINAL FINISH.
- DOOR, FRAME AND HINGES ARE EXISTING TO REMAIN. PROVIDE AND INSTALL ANY MISSING ITEMS OF HARDWARE PER HARDWARE NOTES.
- PROVIDE (ONE) PEEP HOLE TO VIEW OUT. MOUNT @ 4'-3" AFF.
- PAINT DOOR AND FRAME W/ WHITE SEMI-GLOSS ENAMEL PAINT.
- INSTALL TENANT SUPPLIED SIGNAGE PER ELEVATION 2/C52.
- CONTRACTOR SHALL PROVIDE AND INSTALL DOOR SWEEP ON ALL EXTERIOR DOORS TO PREVENT WATER, WIND AND DEBRIS INFILTRATION.
- MOUNT TENANT SUPPLIED COAT HOOK AT 48" AFF. ON BACK SIDE OF DOOR.
- PROVIDE SIGNAGE THAT READS "EMERGENCY EXIT ONLY."
- PROVIDE SIGNAGE THAT READS "EMPLOYEES ONLY."
- PROVIDE NYLON WASHER/GROMMETS AT THE DOOR HANDLES AND CRASH BARS TO PREVENT METAL ON METAL CONTACT.
- ALL DOOR FRAME, CASED OPENING AND HARDWARE MATERIAL WILL BE SUPPLIED BY TENANT. GC IS RESPONSIBLE FOR INSTALLATION.

FP = FLUSH PANEL
NL = NARROW LIGHT
SF = STOREFRONT

GENERAL HARDWARE NOTES

- THRESHOLDS AT EGRESS DOORS SHALL BE NO MORE THAN 1/2" (MAX) HEIGHT AFF.
- 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.
- 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.
- 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.
- THE FORCE REQUIRED TO ACTIVATE CONTROLS OF INTERIOR HINGED DOORS SHALL BE NO GREATER THAN 5 POUNDS (22.2 N).
- 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.

HDW # 100A
1 1/2 PAIR HINGES: STANDARD WEIGHT
1 MECHANICAL PUSH BUTTON LOCKSET
WITH LEVER HANDLE
1 CLOSER
1 FLOOR STOP

HDW # 200A
LWP-3 ALUMINUM TRAFFIC DOOR
EASY SWING HINGE SYSTEM
9" X 30" CLEAR ACRYLIC WINDOW
FLUSH HOLLOW METAL FRAME - DRYWALL

HDW # 300C
1 1/2 PAIR HINGES: STANDARD WEIGHT
1 PRIVACY SET WITH LEVER HANDLE
1 CLOSER
(FLOOR/WALL STOP IF SHIPPED WITH HARDWARE)

HDW # 400A
3 PAIR HINGES: 4 1/2" HEAVY WEIGHT, NON-REMOVABLE PINS
1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE: WITH STAND ALONE ALARM
REFER TO DOOR ALARM MOUNTING DETAIL

HDW # 400C
1 1/2 PAIR HINGES: STANDARD WEIGHT, NON-REMOVABLE PINS
1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE: WITH STAND ALONE ALARM - REFER TO DOOR ALARM MOUNTING DETAIL

HDW # 500A
HINGES PER STOREFRONT MANUFACTURER (BY GENERAL CONTRACTOR)
2 CLOSERS WITH STOP ARM AND DROP PLATE
2 PUSH PLATES (BY GENERAL CONTRACTOR)
2 PULL HANDLES (BY GENERAL CONTRACTOR) OPERABLE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE.

NOTE: CONTRACTOR SHALL VERIFY CLOSER DOES NOT HAVE A HOLD-OPEN FEATURE. IF CLOSER DOES, THE CONTRACTOR SHALL REPLACE WITH NEW CLOSER.

HDW # 500B
HINGES PER STOREFRONT MANUFACTURER (BY GENERAL CONTRACTOR)
2 CLOSERS WITH STOP ARM AND DROP PLATE
2 PUSH PLATES (BY GENERAL CONTRACTOR)
2 PULL HANDLES (BY GENERAL CONTRACTOR)

HDW # 600F
1 1/2 PAIR HINGES: STANDARD WEIGHT, BALL BEARING PINS
1 CLOSER
1 KEYED EXTERIOR TRIM (2 KEYS)
1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE: WITH STAND ALONE ALARM
REFER TO DOOR ALARM MOUNTING DETAIL.

DESCRIPTION	BY	MARK	DATE	REVISIONS

DATE	PROJECT	DRAWN	CHECKED
02/24/2023	0010.30		

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRUN@BEANEDYARCHITECTS.COM
586.933.3010



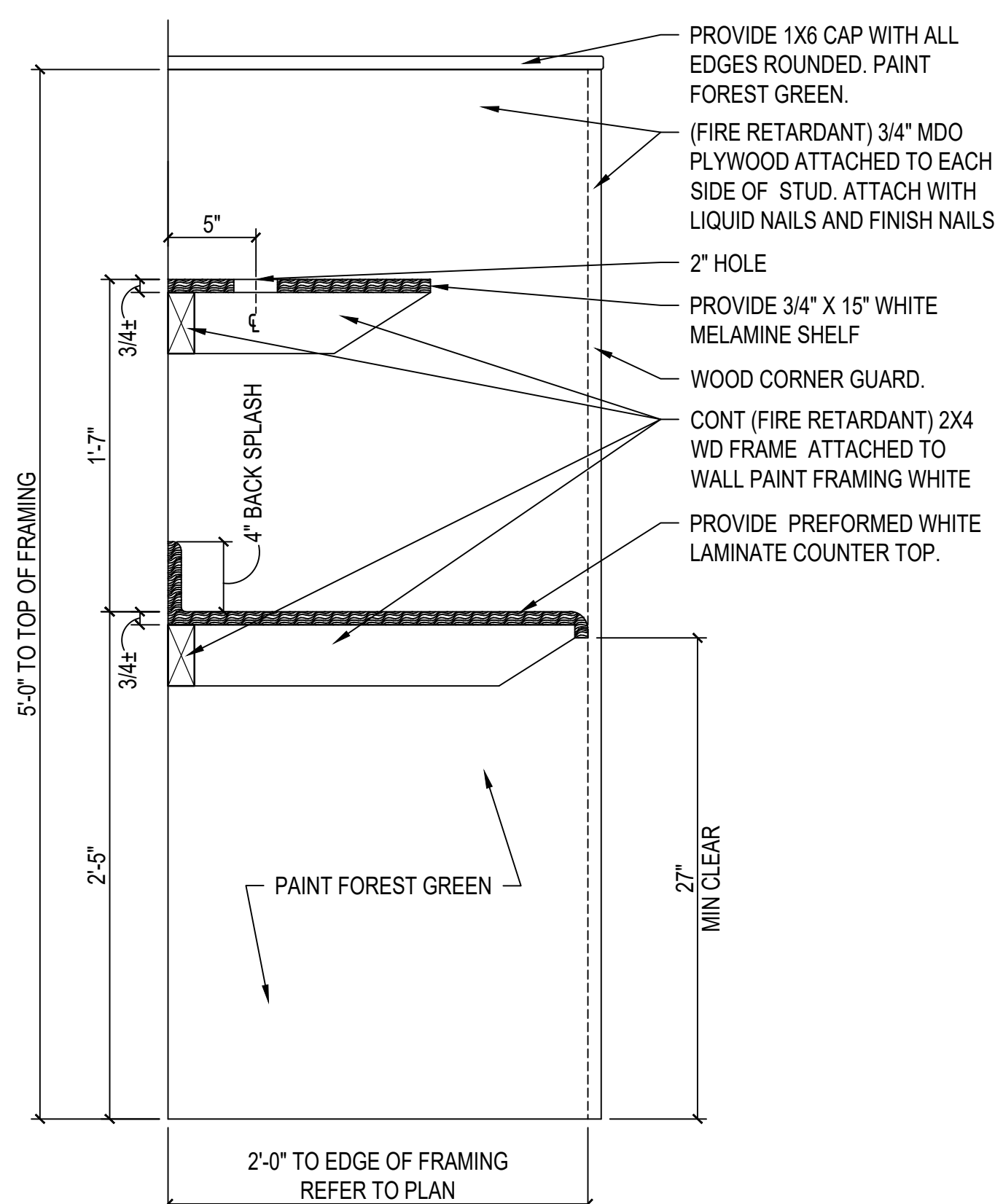
03.24.2023

DOLLAR TREE
FORMER ENTERTAINMENT
30300 LAKESHORE BLVD. WILLOWICK, OH 44095
WALL SECTIONS DETAILS AND SCHEDULES

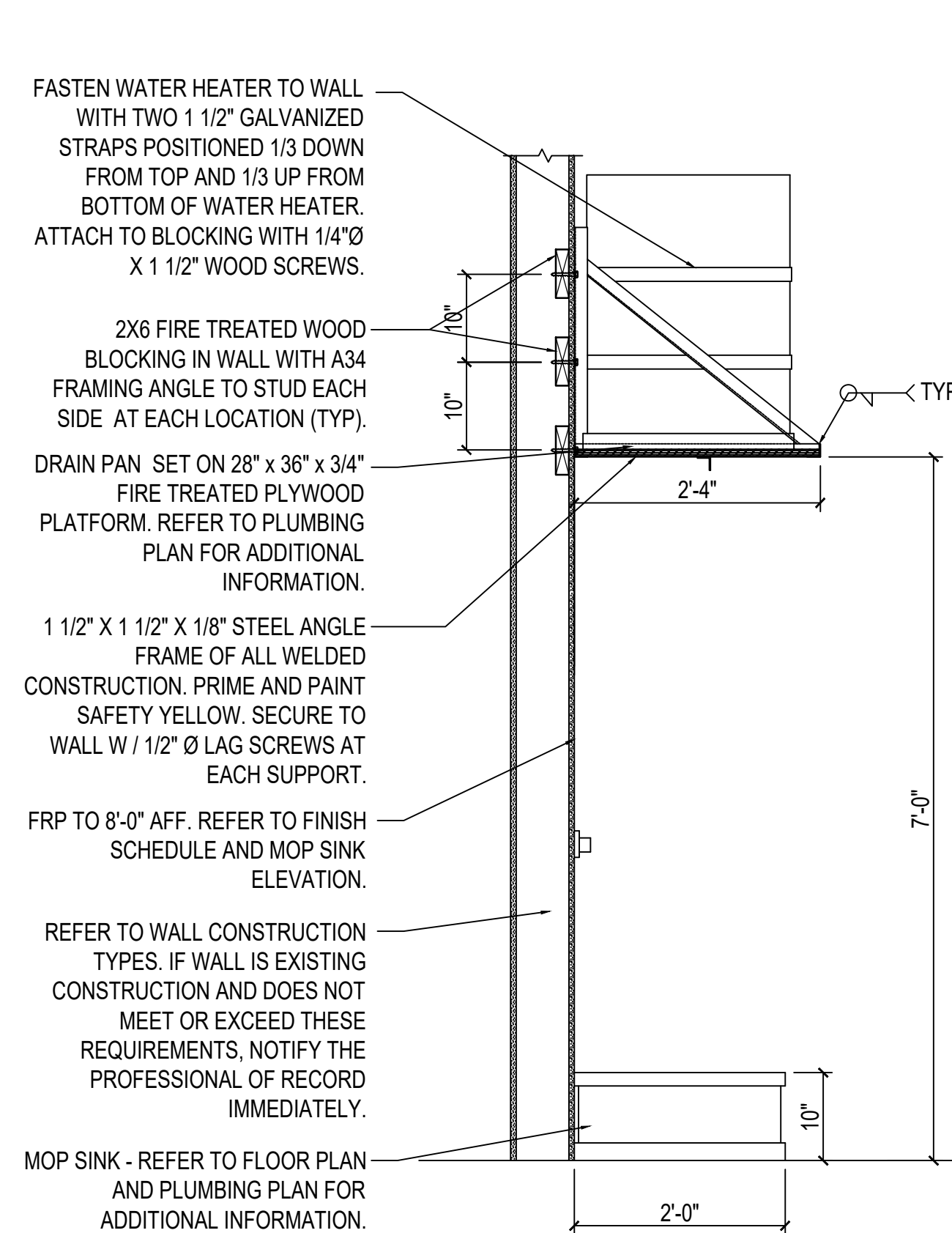
SHEET

A4

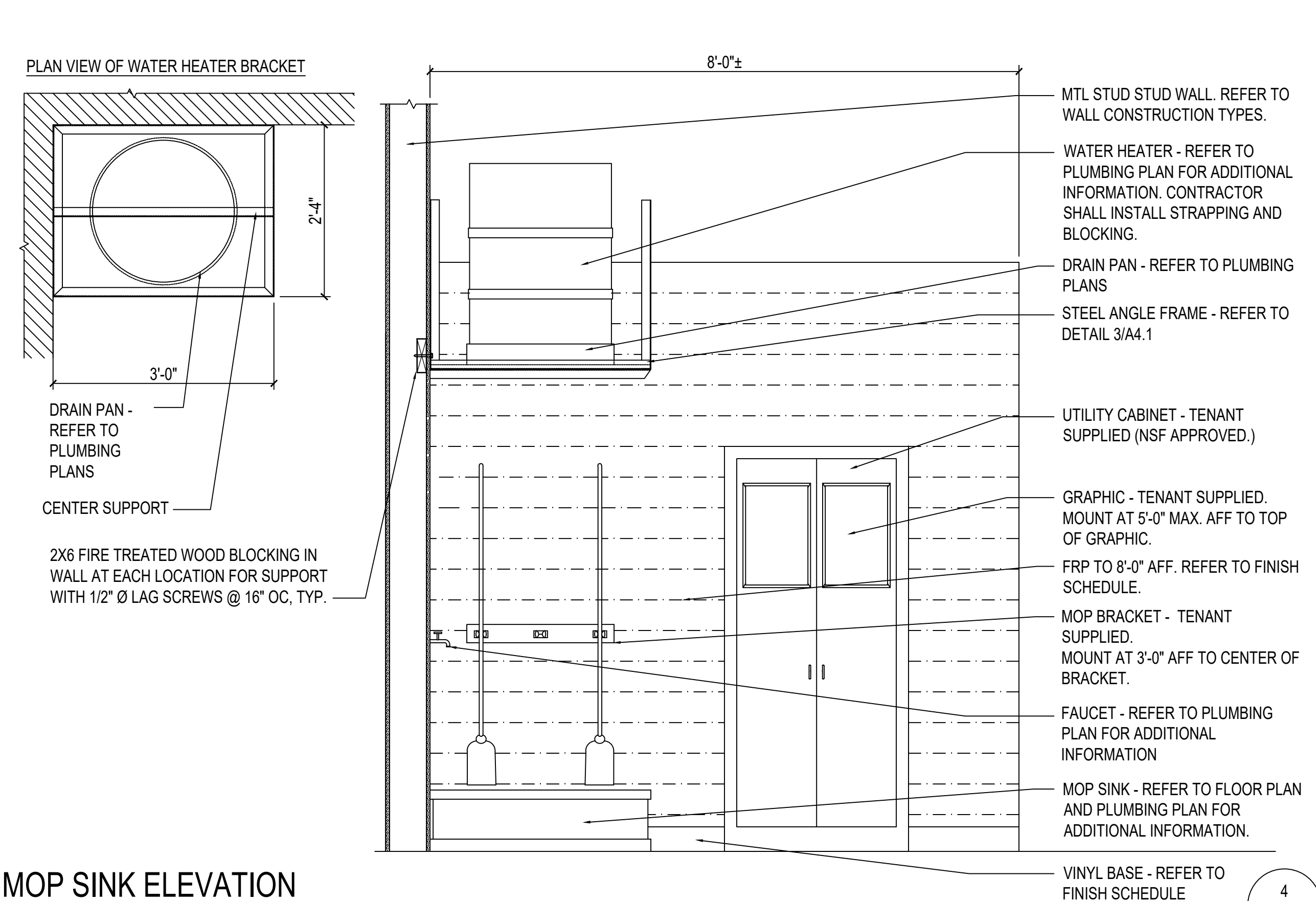
SCALE: 1 1/2"=1'-0"



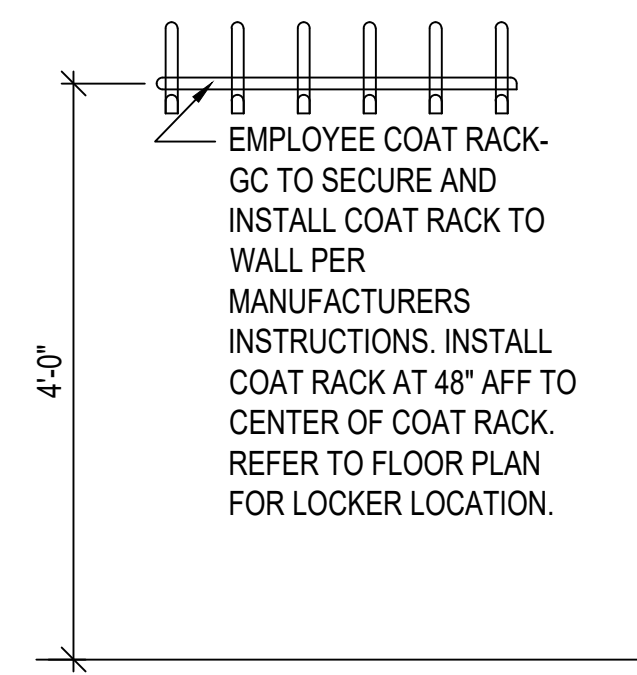
SCALE: 1 1/2"=1'-0"



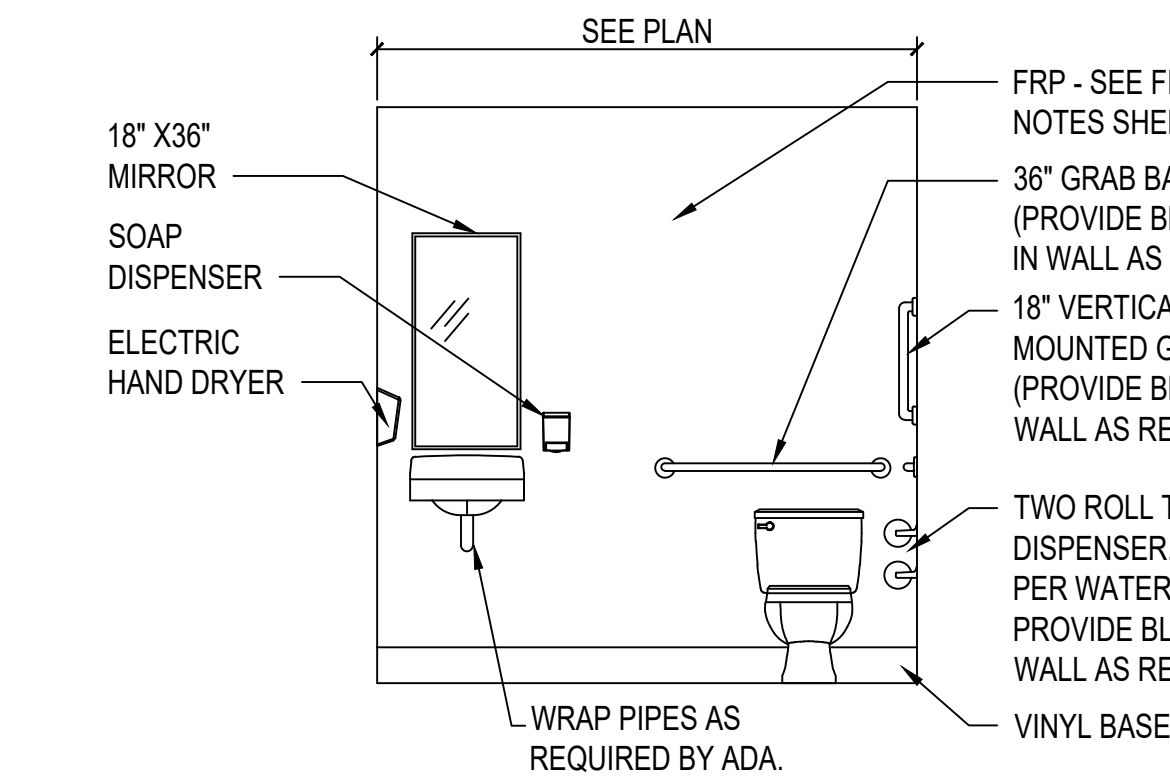
SCALE: 3/4" = 1'-0"



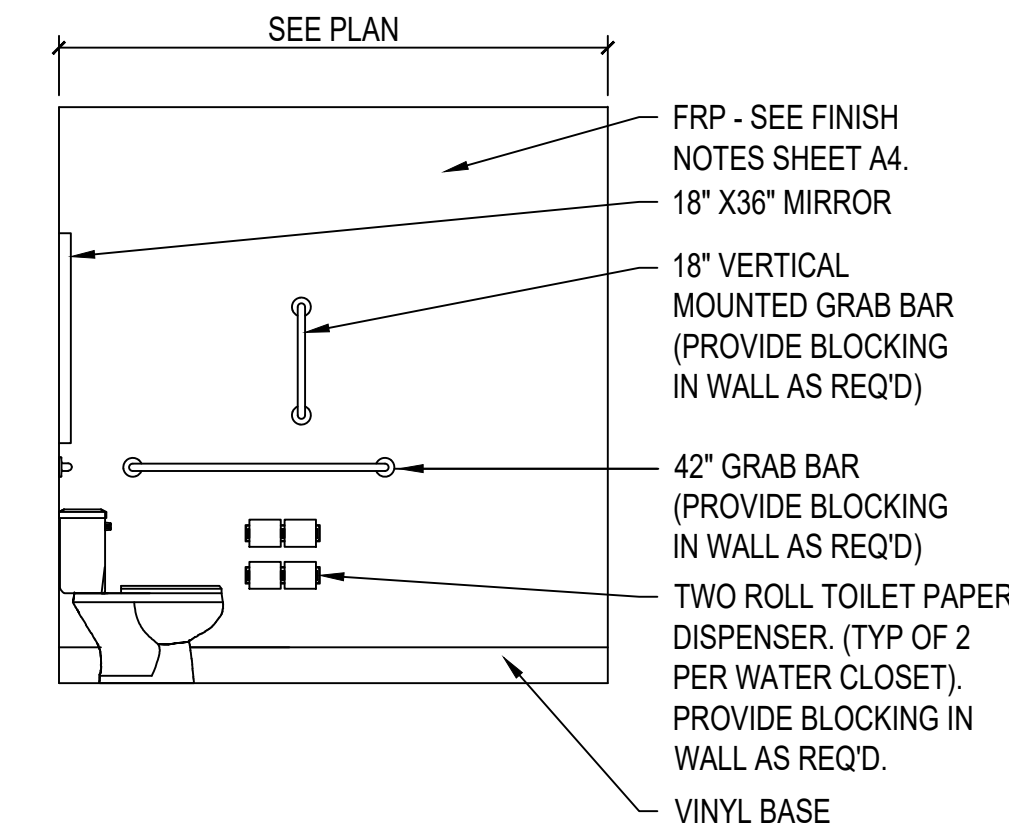
SCALE: 3/4" = 1'-0"



SCALE: 3/4"=1'-0'

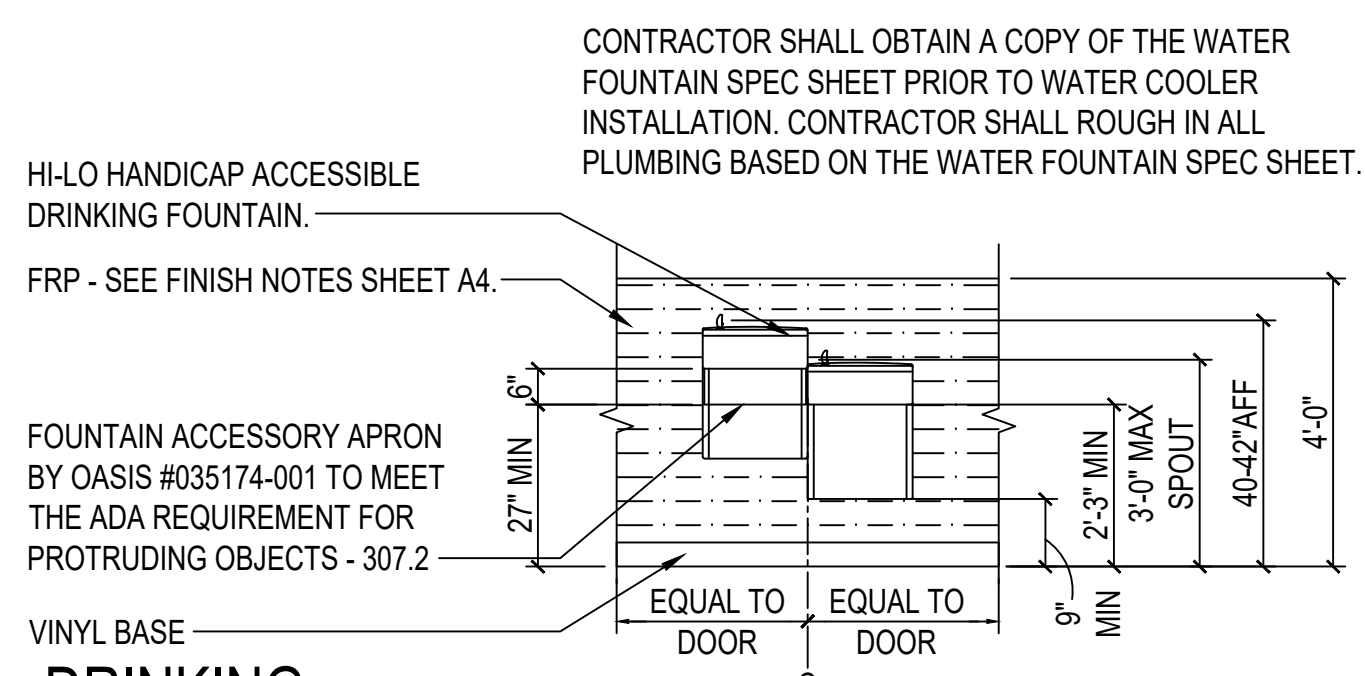


SCALE: 3/8" = 1'-0"

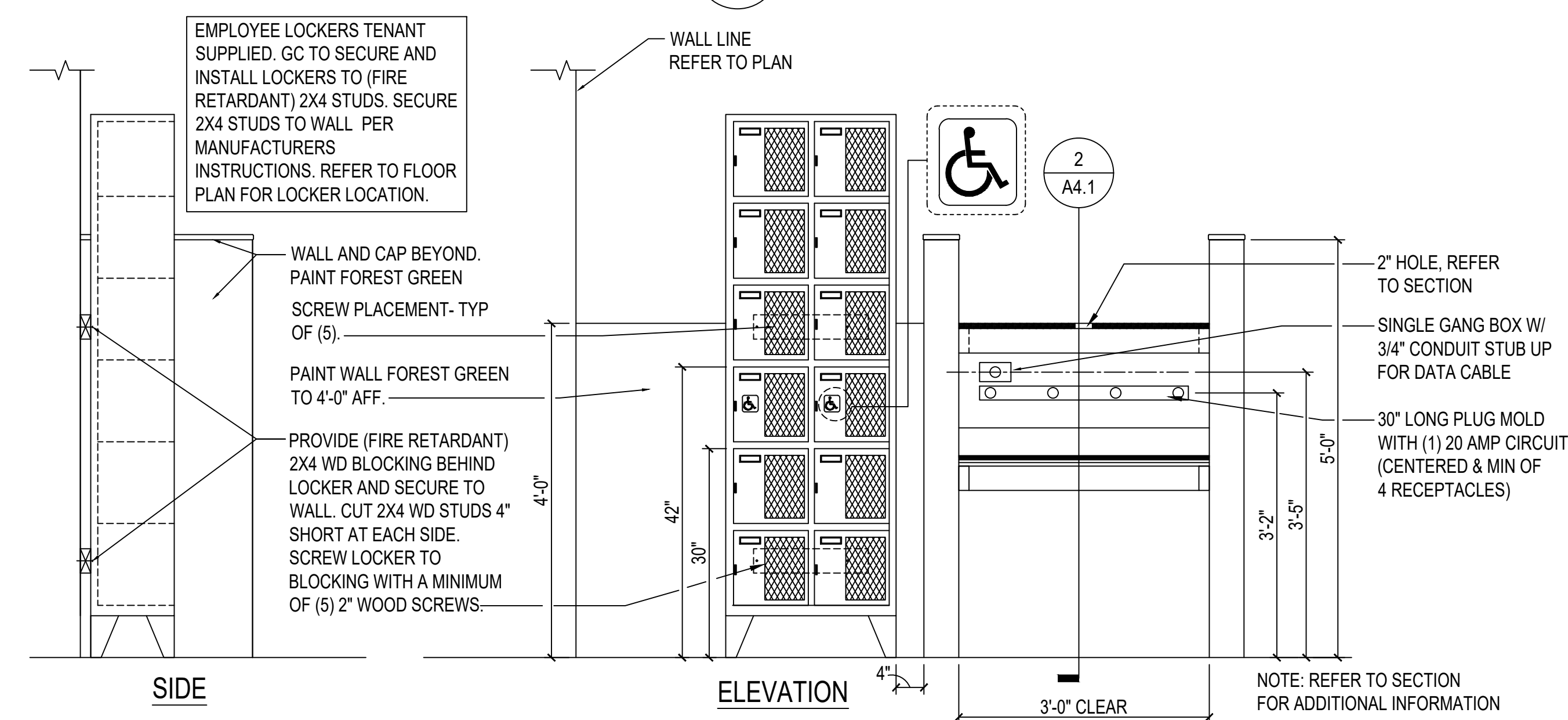


SCALE: 3/8" = 1'-0"

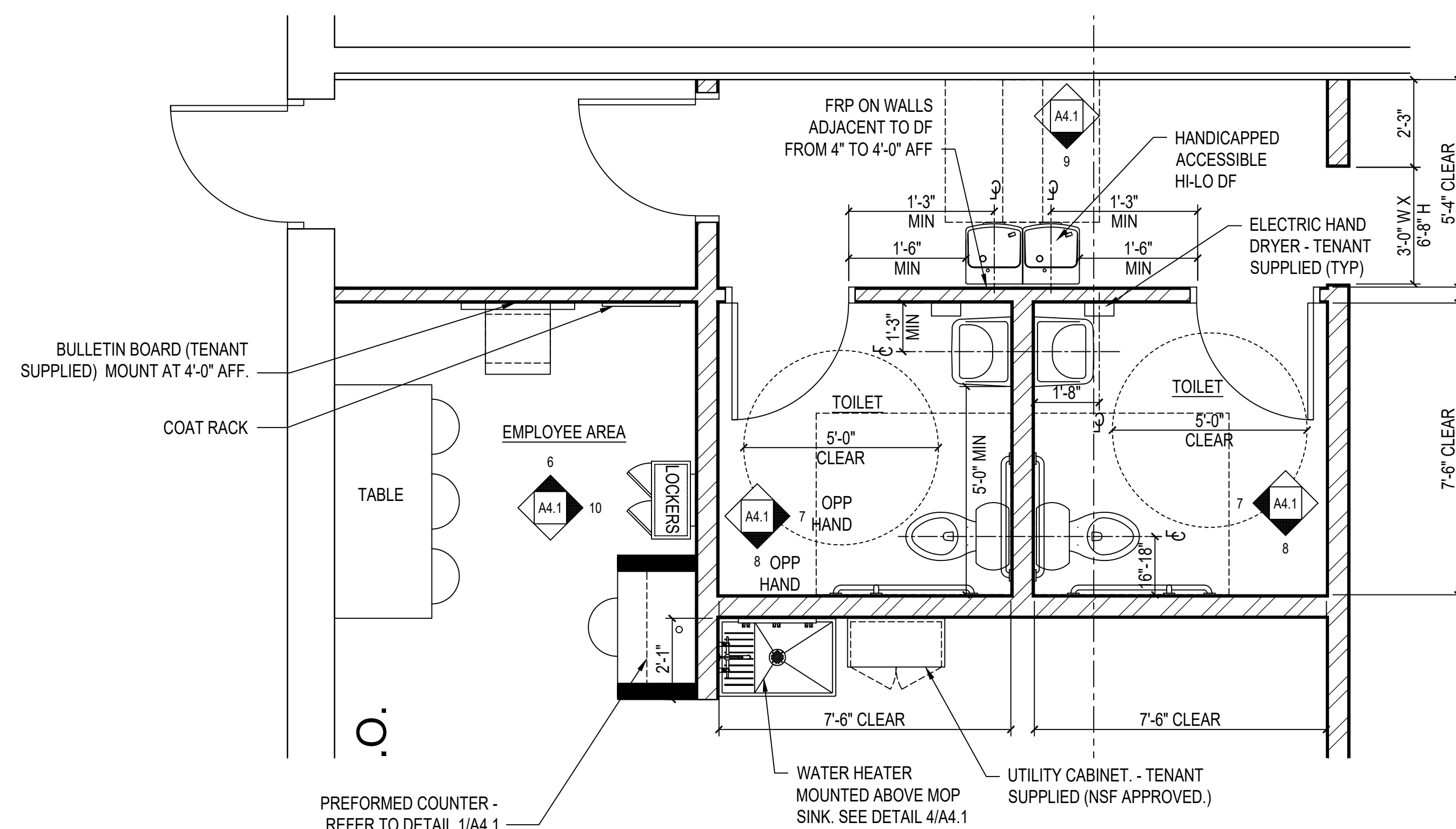
CONTRACTOR SHALL FIELD VERIFY ALL EXIST PLUMBING FIXTURES AND EXIST ACCESSORIES (INCLUDING LANDLORD INSTALLED PLUMBING FIXTURES AND ACCESSORIES) COMPLY WITH PLANS AND HANDICAPPED CODES AND LAWS. CONTRACTOR SHALL VERIFY COMPLIANCE TO FLOOR PLAN, ENLARGED PLANS AND ELEVATION THIS SET. NOTIFY CONSTRUCTION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



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

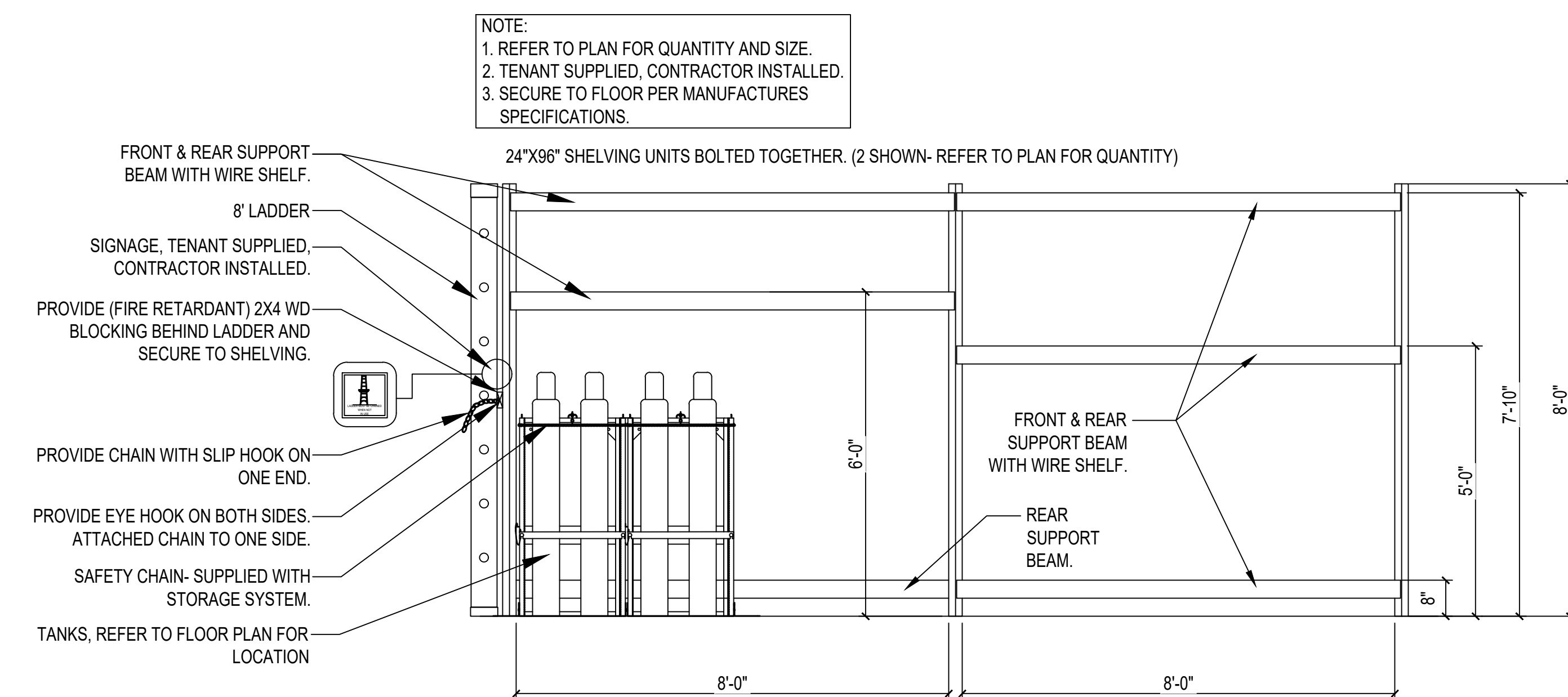


SCALE: 3/4" = 1'-0"



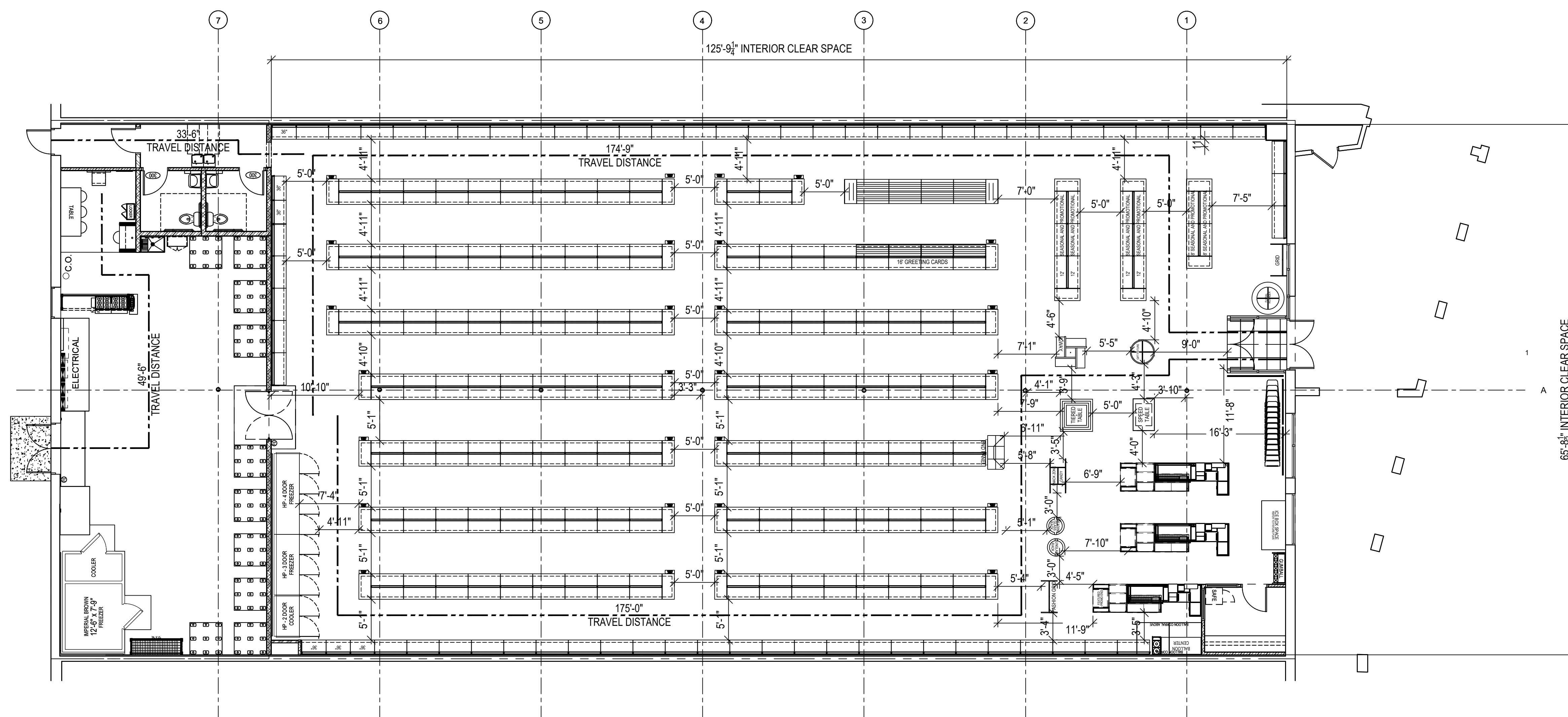
SCALE: 3/8" = 1'-0"

A4.1



SHELVING ELEVATION

SCALE: 3/4" = 1'-0"



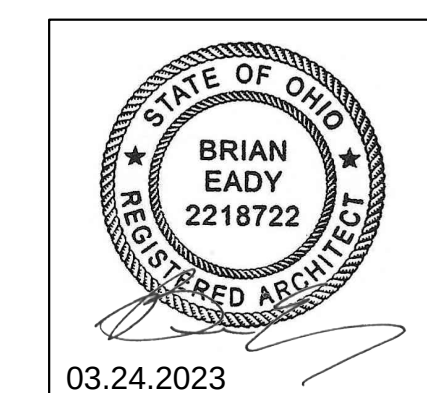
FIXTURE/EGRESS PLAN

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



- 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 DOLLAR TREE FOR FINAL APPROVED LAYOUT.
 3. CHECKOUTS ARE NOT ATTACHED TO FLOOR.

DATE	02/24/2023
PROJECT	0019-30
DRAWN	BE
CHECKED	BE
	MARK DATE BY DESCRIPTION
	REVISIONS



PROJECT

DRAWING

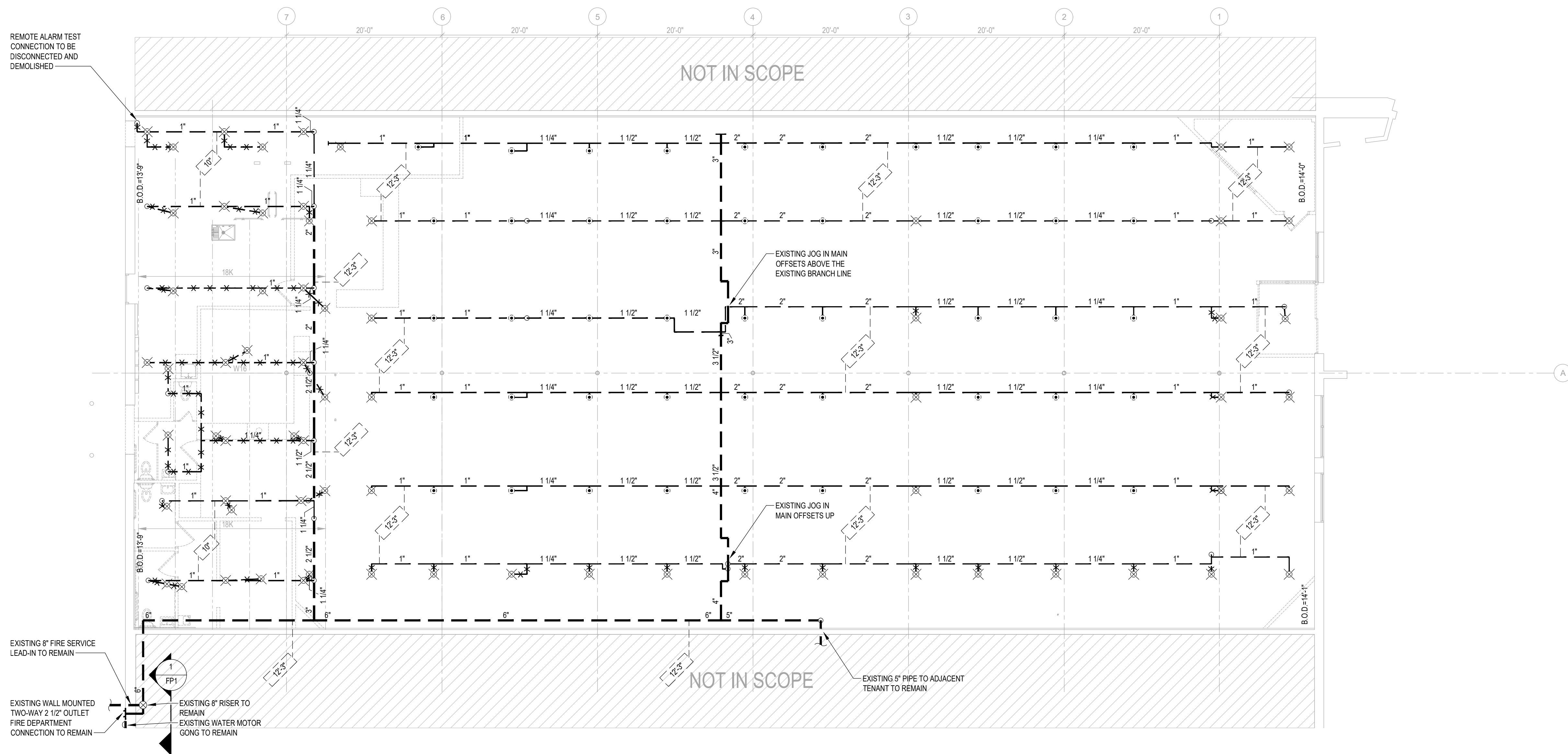
SHEET

A5

SYMBOL KEY	
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	NEW PIPING
	1" ARM-OVER TO NEW SPRINKLER FROM EXISTING 1" OUTLET
	CONNECT TO EXISTING PIPE AND/OR FITTING
	EXISTING SPRINKLER AND ARM-OVER TO BE DEMOLISHED BACK TO OUTLET ON BRANCH LINE UNLESS SHOWN OTHERWISE
	EXISTING CHROME RECESSED PENDANT
	NEW CHROME PENDENT ON 2-PIECE TELESOPING ESCUTCHEON
	NEW BRASS UPRIGHT
	NEW CHROME PENDENT ON 2-PIECE TELESOPING ESCUTCHEON
	NEW DRY CHROME PENDENT ON 2-PIECE TELESOPING ESCUTCHEON WITH FREEZER BOOT
	APPROXIMATE CENTER LINE ELEVATION OF EXISTING PIPE ABOVE FINISHED FLOOR AND/OR BELOW METAL DECK
	RECOMMENDED CENTER LINE ELEVATION OF NEW PIPE BELOW METAL DECK
	RISE FROM LEFT TO RIGHT AND DROP FROM RIGHT TO LEFT
	NOT IN SCOPE

SEE SHEET FP2 FOR NOTES, DETAILS, AND SPECIFICATION

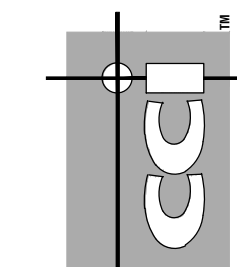
ALL ARM-OVERS TO NEW SPRINKLERS ARE 1" DIAMETER



FIRE SPRINKLER PLAN - DEMOLITION WORK

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

FIN. FLOOR ELEV. = 100'-0"

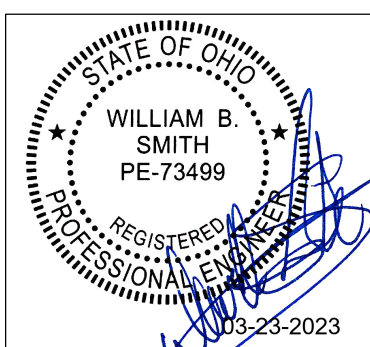
2043 WOODLAND PKWY, SUITE 300
ST. LOUIS, MISSOURI 63146-4235
314-991-2533
www.cciconsultants.com

DESCRIPTION

BY

MARK DATE
REVISIONSDATE 02/24/2023
PROJECT 0019.30
DRAWN BJB
CHECKED MAR**BEA**
BRIANEADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

We warrant that the design, construction, and installation of the system shall conform to the applicable codes and standards. We warrant that the system shall be installed in accordance with the applicable codes and standards. We warrant that the system shall be installed in accordance with the applicable codes and standards.

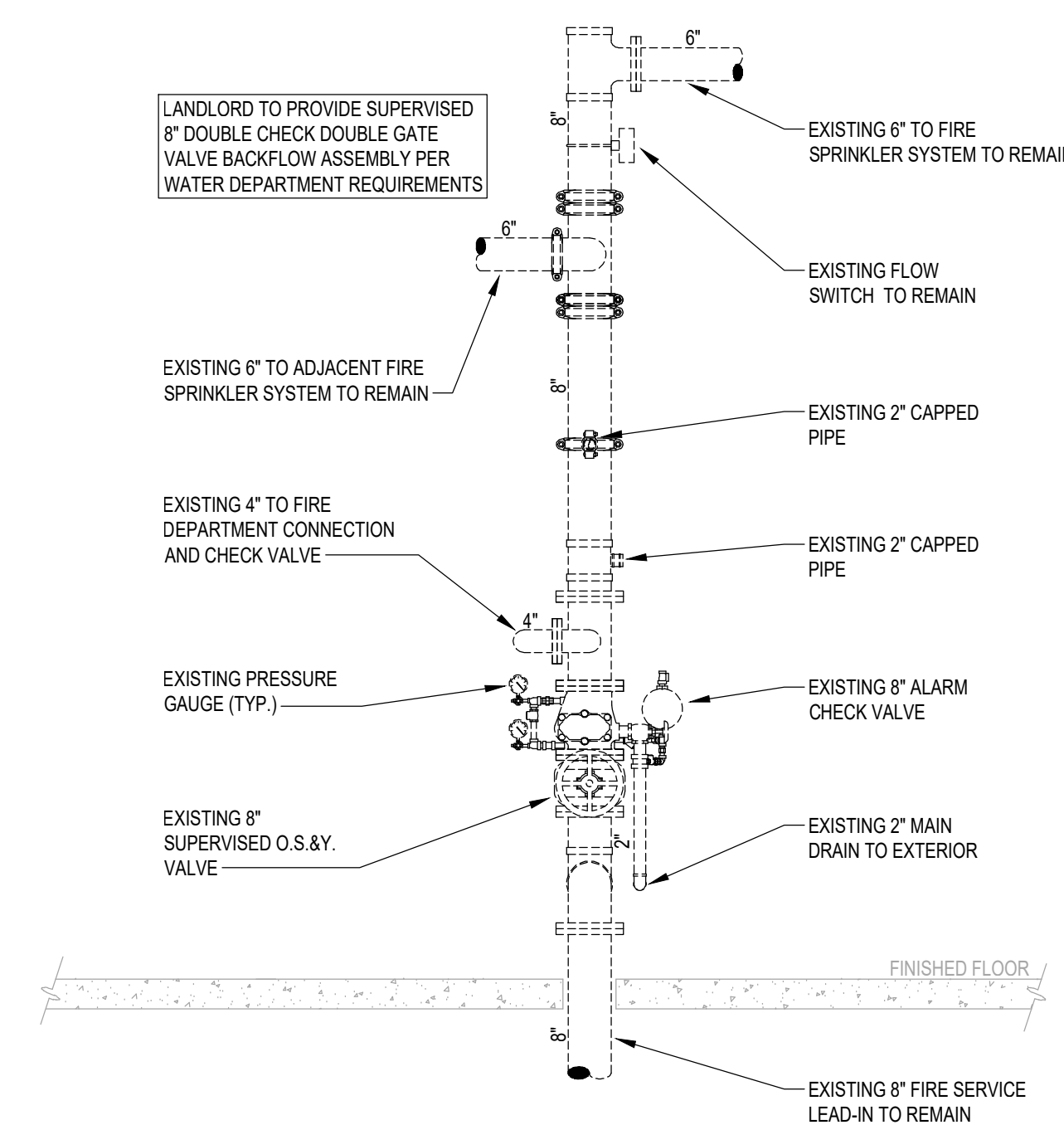
**ENGINEER OF RECORD:**
WILLIAM B. SMITH, PE
LICENSE NO. PE-73459
CODE CONSULTANTS, INC.
2043 WOODLAND PKWY, SUITE 300
ST. LOUIS, MO 63146-4235
PHONE: 314-991-2533
CORPORATE CERTIFICATE OF AUTHORITY
NO. 00007**DOLLAR TREE**
FORMER ENTERTAINMENT
60630 LAKESHORE BLVD. WILLOWICK, OH 44095
FIRE SPRINKLER PLAN - DEMOLITION WORK

PROJECT

DRAWING

SHEET

FPD1



ELEVATION AT EXISTING FIRE SPRINKLER RISER

1
FP1 NOT TO SCALE FIN. FLOOR ELEV. = 100'-0"

(FOR REFERENCE ONLY)

SEE SHEET FP2 FOR NOTES, DETAILS, AND SPECIFICATION

ALL ARM-OVERS TO NEW SPRINKLERS ARE 1" DIAMETER

[illegible]

BEA
BRIAN EADY ARCHITECTS

FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

ALL DRAWINGS AND WRITTEN MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF BRIAN EADY ARCHITECTS. THEY MAY NOT BE REPRODUCED, COPIED, REUSED, OR RECIRCULATED IN ANY MANNER WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT.

ENGINEER OF RECORD:
WILLIAM B. SMITH, PE
LICENSE NO. PE-73499

CODE CONSULTANTS, INC.
2043 WOODLAND PKWY, SUITE 300
ST. LOUIS, MO 63146-4235
PHONE: 314-991-2633
CORPORATE CERTIFICATE OF AUTHORITY
NO. 02037

PROJECT

DOLLAR TREE

FORMER ENTERTAINMENT

50330 LAKESHORE BLVD., WILLIOWICK, OH 44095

DRAWING

FIRE SPRINKLER PLAN - NEW WORK AND RISER DETAIL

SHEET

FP1

FOUNDATION - GENERAL NOTES:

- ALL WORK SHOWN IS NEW WORK UNLESS DENOTED AS EXISTING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- TOP OF EXISTING INTERIOR SLAB ELEVATION EQUALS REFERENCE ELEVATION (0'-0"). ALL ELEVATIONS ARE BASED ON THIS REFERENCE ELEVATION.
-  INDICATES AREA OF NEW CONCRETE SLAB.

FOUNDATION - PLAN NOTES:

- DEMOLISH EXISTING MASONRY WALL DOWN TO (0'-8") BELOW FINISHED FLOOR ELEVATION AND INFILL WITH CONCRETE REINFORCED WITH (2)-#4 BARS CONTINUOUS. MATCH TOP OF FINISH FLOOR ELEVATION (0'-0"). DOWEL INTO EXISTING SLAB WITH #4 BARS AT 12" ON CENTER. SEE SECTIONS ON SHEET S2 FOR ADDITIONAL INFORMATION.
- "TEETH-IN" CMU (8" MINIMUM) AND BRICK VENEER (8" MINIMUM), TO MATCH EXISTING, AT JAMB LOCATION. PROVIDE (1)-#5 VERTICAL IN END CELL AND GROUT SOLID.
- W8x15 LINTEL BEAM (ABOVE NEW MASONRY OPENING) WITH CONTINUOUS $\frac{3}{8}$ " THICK PLATE. PLATE WIDTH SHALL EQUAL WALL WIDTH, MINUS 1". SEE STRUCTURAL NOTES FOR PAINTING.
- LANDING/RAMP CONSTRUCTION SHALL CONSIST OF A 4" THICK CONCRETE SLAB-ON-GRADE REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE REINFORCEMENT OVER 4" OF POROUS FILL MATERIAL AND COMPACTED STRUCTURAL FILL. TOP OF LANDING SHALL MATCH TOP OF EXISTING FINISH FLOOR ELEVATION.
- PROVIDE 8" WIDE TURNDOWN FOUNDATION REINFORCED WITH (2)-#4 BARS CONTINUOUS. TURNDOWN SHALL EXTEND A MINIMUM OF 1'-6" BELOW GRADE. PROVIDE 2" POLYSTYRENE RIGID INSULATION AS SHOWN IN SECTION 3/52 ON THREE SIDES FOR TURNDOWN FOUNDATION FOR FROST PROTECTED FOUNDATION. REPLACE EXISTING PAVEMENT AROUND FOUNDATION AND INSULATION. COMPACT FILL AROUND FOUNDATIONS AND MATCH EXISTING PAVEMENT THICKNESS, FIELD VERIFY.
- 6"Ø STEEL, CONCRETE FILLED, BOLLARD. SEE TYPICAL STEEL PIPE BOLLARD DETAIL ON SHEET S2. COORDINATE EXACT LOCATIONS OF BOLLARDS WITH THE ARCHITECTURAL DRAWINGS.

GENERAL NOTES:

- ALL ITEMS SHOWN ON THIS DRAWING ARE NEW CONSTRUCTION, UNLESS OTHERWISE NOTED AS EXISTING.
- THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO ANCHORAGE AND FLASHING AROUND MECHANICAL EQUIPMENT AND ROOF PENETRATIONS.
- THE STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2017 OHIO BUILDING CODE WITH AUGUST 2018 UPDATE ERRATA 02/08/19 AND THE 2015 INTERNATIONAL BUILDING CODE (IBC 2015). THE FOLLOWING LOADS IN ADDITION TO THE LOADS OF THE PERMANENT MATERIALS AND CONSTRUCTION, WERE USED:

LIVE LOADS:

ROOF	20 PSF
GROUND FLOOR	100 PSF

SNOW LOADS:

GROUND SNOW LOAD	35 PSF
IMPORTANCE FACTOR (I)	1.0
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
FLAT ROOF SNOW LOAD (Pf)	24.5 PSF

WIND:

WIND (3 SECOND GUST)	V _{ULT} = 115 MPH
	V _{ASD} = 89 MPH

EXPOSURE

C

RISK CATEGORY

II

INTERNAL PRESSURE (G_{CPC})

±0.18

SEISMIC:

SEISMIC IMPORTANCE FACTOR (I_e)

1.0

MAPPED SPECTRAL RESPONSE ACCELERATIONS, S_s

0.202g

S₁

0.060g

DESIGN SPECTRAL RESPONSE ACCELERATIONS, S_{DS}

0.216g

S_{D1}

0.096g

SITE CLASS

D

SEISMIC DESIGN CATEGORY

B

BASIC SEISMIC-FORCE RESISTING SYSTEM

2

RESPONSE MODIFICATION FACTOR (R)

2

ANALYSIS PROCEDURE USED

EQUIVALENT LATERAL FORCE

- CONTRACTOR SHALL COORDINATE STRUCTURAL, ARCHITECTURAL, MECHANICAL AND CIVIL DRAWINGS PRIOR TO BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

FOUNDATION NOTES:

- THE FOUNDATIONS WERE DESIGNED FOR A PRESUMPTIVE NET ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF. THE SOILS BENEATH THE PROPOSED FOOTINGS SHALL BE CAPABLE OF SAFELY SUPPORTING THIS LOAD WITHOUT EXCESSIVE SETTLEMENT. CONTRACTOR SHALL HIRE A GEOTECHNICAL ENGINEER TO CONFIRM ALLOWABLE BEARING CAPACITY AND SHALL FORWARD TO ARCHITECT PRIOR TO CONCRETE PLACEMENT.
- THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIALS BELOW PROPOSED SLAB AND FOUNDATIONS AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT STORMWATER FROM ENTERING FOUNDATION EXCAVATIONS. CONCRETE FOR FOUNDATIONS SHALL NOT BE PLACED ON SOFT OR SATURATED SOIL. CONTRACTOR SHALL COMPACT EXPOSED SUBGRADE SOILS AS NOTED ON DRAWINGS. ALL UNSTABLE AREAS SHALL BE UNDERCUT AT THE DIRECTION OF A GEOTECHNICAL ENGINEER.
- SUITABLE STRUCTURAL FILL MATERIAL SHOULD CONSIST OF SAND OR GRAVEL CONTAINING LESS THAN 20% BY WEIGHT OF FINES (SP, SP-SM OR SW BY THE UNIFIED SOILS CLASSIFICATION SYSTEM) AND SHOULD BE FREE FROM RUBBLE, ORGANICS, CLAY, DEBRIS AND OTHER UNSUITABLE MATERIALS. LIFTS (8" MAXIMUM HEIGHT PRIOR TO COMPACTION) SHALL BE COMPACTED TO A MIN. OF 95% OF THEIR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698 (METHOD C).
- ALL FILL MATERIAL PLACED ON SITE IN AREA OF BUILDING SHALL BE STRUCTURAL FILL. FILL SHALL BE PLACED AND COMPACTED IN 8" LIFTS MAXIMUM AND AT THE DIRECTION OF A GEOTECHNICAL ENGINEER.

CAST-IN-PLACE CONCRETE NOTES:

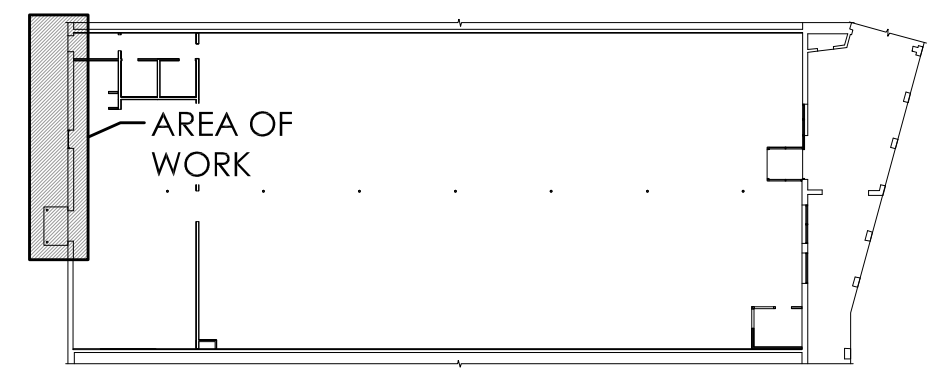
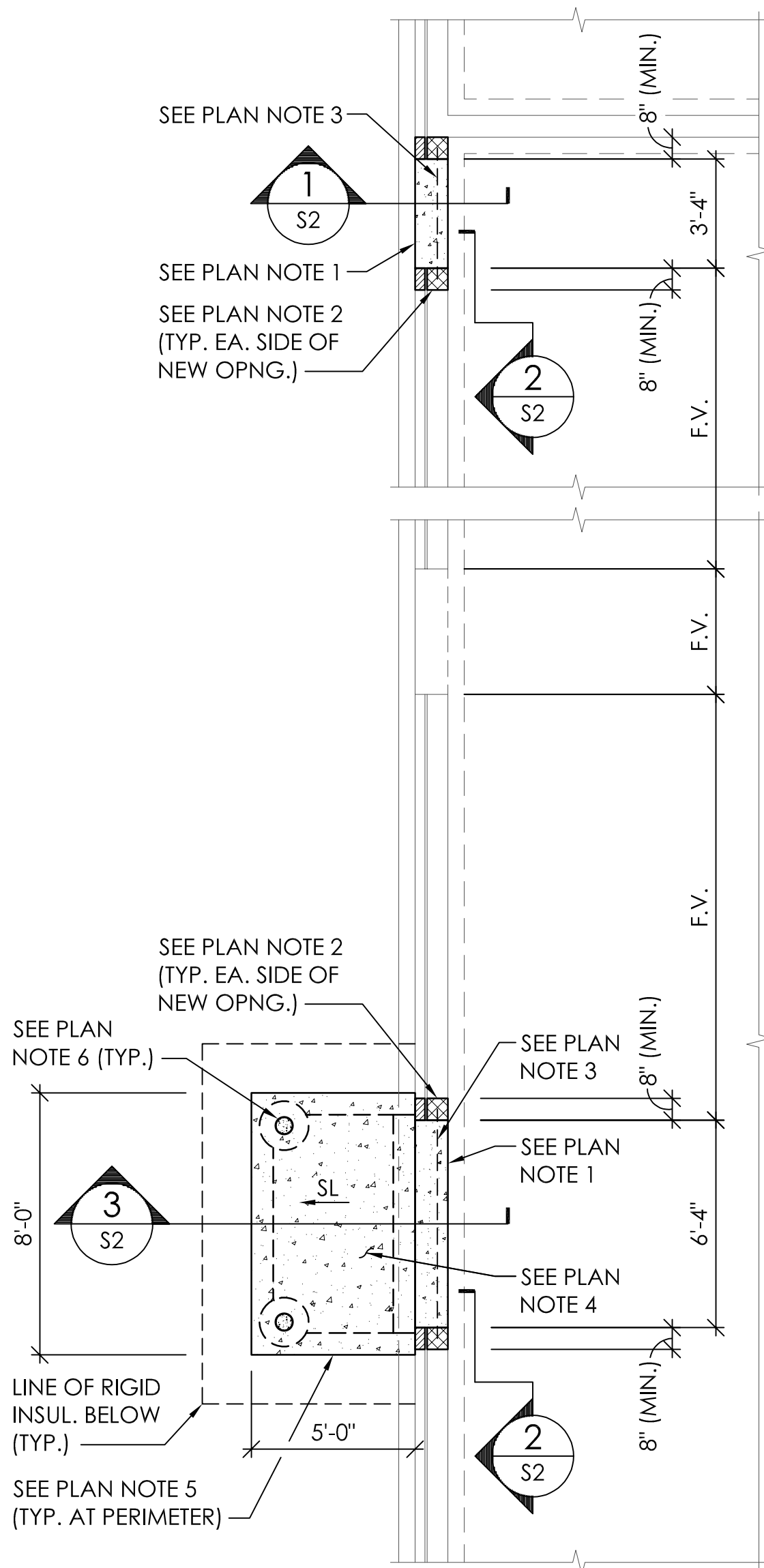
- ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301 "STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318/318R "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
- CONCRETE SHALL HAVE THE FOLLOWING (28) DAY COMPRESSIVE STRENGTH AND MAXIMUM SLUMPS:
 - EXTERIOR CONCRETE 4,000 PSI, 4" WITH AIR
 - INTERIOR CONCRETE 3,500 PSI, 4" TO 5"NOTE: ALL SLUMPS SHALL BE $\pm\frac{1}{2}$ " (SLUMP MEASURED PRIOR TO SUPERPLASTICIZER, WHERE OCCURS)
- ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLE SHALL HAVE 6% ($\pm 1\frac{1}{2}$ %) ENTRAINED AIR.
- REINFORCING STEEL:
 - DEFORMED BARS (DO NOT WELD) ASTM A615 (GRADE 60)
 - WELDED WIRE REINFORCING ASTM A185 (FLAT SHEETS ONLY)
- COVER TO REINFORCEMENT AS NOTED IN SECTIONS AND AS FOLLOWS:
 - BOTTOM OF FOUNDATIONS 3"
 - SIDES OF FOUNDATIONS (WITHOUT SIDE FORMS) 3"
 - SIDES OF FOUNDATIONS (FORMED SURFACES) 2"
 - TOP COVER TO WWR 1 $\frac{1}{2}$ "
 - OTHER: AS NOTED IN ACI 318.
- ADHESIVE ANCHORS SHALL CONSIST OF GRADE 60 REBAR, ASTM A307 GRADE A ALL-THREAD OR ANCHOR ROD, NUT, WASHER AND ADHESIVE. EPOXY ANCHORS SHALL BE INSTALLED USING AT LEAST MINIMUM DEPTHS, EDGE DISTANCES, SPACING (UNLESS NOTED OTHERWISE), AND INSTALLATION PROCEDURES AS RECOMMENDED BY THE MANUFACTURER. DO NOT APPLY LOAD TO ANCHOR UNTIL RESIN HAS CURED IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURER.
- TORCHING TO BEND REINFORCING BARS SHALL NOT BE ALLOWED.
- ALL ITEMS EMBEDDED IN CONCRETE OR GROUTED CMU MUST BE TIED AND SECURED PRIOR TO PLACEMENT OF CONCRETE OR GROUT. NO "WET SETTING" IS ALLOWED.
- FOR SLAB-ON-GRADE, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4'-0" ON CENTER BOTH WAYS IN STRAIGHT LINES ON THE WELDED WIRE REINFORCING GRID.

MASONRY NOTES:

- ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND ACI 530.1, "SPECIFICATIONS FOR MASONRY STRUCTURES."
- ALL LOAD-BEARING CONCRETE MASONRY UNITS SHALL BE TYPE I UNITS IN CONFORMANCE WITH ASTM C 90 AND SHALL BE MADE WITH LIGHTWEIGHT AGGREGATE.
- ALL MASONRY UNITS SHALL BE IN ACCORDANCE WITH ASTM C 90. ALL ASSEMBLED CONCRETE MASONRY SHALL ATTAIN AN ULTIMATE NET AREA COMPRESSIVE STRENGTH (f_m) OF 2,000 PSI AT 28 DAYS.
- ALL MORTAR SHALL BE ASTM C270, TYPE S.
- ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60.
- THE MASONRY CONTRACTOR SHALL BUILD, REINFORCE, AND GROUT THE WALL IN NO GREATER THAN 4'-0" LIFTS, VIBRATING GROUT IMMEDIATELY AFTER EACH LIFT.
- ALL REINFORCED CELLS SHALL BE FULLY GROUTED FROM TOP TO BOTTOM. GROUT SHALL BE 3,000 PSI. ALL GROUT SHALL CONFORM TO ASTM C 476. GROUT SHALL HAVE A SLUMP BETWEEN 8 TO 10 INCHES.
- UNLESS OTHERWISE NOTED OR DETAILED, CENTER REINFORCING IN BLOCK CELLS AND TIE IN PLACE AT INTERVALS OF 4'-0" ON CENTER, MAXIMUM.
- PROVIDE GALVANIZED HORIZONTAL TRUSS TYPE JOINT REINFORCING WITH STANDARD LADDER TYPE NO. 9 GAGE CROSS RODS AT 16" ON CENTER ON ALL WALLS. PROVIDE HORIZONTAL JOINT REINFORCING IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS, EXTENDING A MINIMUM OF 2'-0" BEYOND THE JAMB ON EACH SIDE OF THE OPENING.
- VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED, CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 2 INCHES BY 3 INCHES.

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOURTEENTH EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), ALLOWABLE STRESS DESIGN".
- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE NOTED:
 - STRUCTURAL STEEL WIDE FLANGE SHAPES - ASTM A992, GRADE 50 KSI.
 - MISCELLANEOUS STEEL ANGLES, CHANNELS AND PLATES - ASTM A36, GRADE 36 KSI.
 - POST CONSTRUCTION ADHESIVE ANCHORS GRADE 60 REBAR, ASTM A307 GRADE A ALL-THREAD OR ANCHOR ROD WITH HILTI HY200 EPOXY (IN CONCRETE) OR HILTI HY270 EPOXY (IN MASONRY).
- ALL STRUCTURAL STEEL WORK SHALL CONFORM TO AISC STANDARDS (AISC 303).
- STRUCTURAL STEEL EXPOSED TO WEATHER OR SUPPORTING MASONRY SHALL BE PAINTED WITH RUST-OLEUM HIGH PERFORMANCE 9100 SYSTEM DTM EPOXY MASTIC (OR APPROVED EQUAL). ALL PAINTING SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. AT CONTRACTOR'S OPTION, STEEL MAY BE HOT-DIP GALVANIZED.
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE - STEEL." WELD ELECTRODES SHALL BE E70XX LOW HYDROGEN.
- 0.157" DIAMETER POWDER ACTUATED FASTENERS (PAF) SHALL HAVE A MINIMUM ALLOWABLE CAPACITY INTO THE BASE MATERIAL AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - CONCRETE: SHEAR = 260 LBS; TENSION = 255 LBS (3" EDGE DISTANCE)
 - STEEL: SHEAR = 600 LBS; TENSION = 250 LBS ($\frac{1}{2}$ " EDGE DISTANCE)



PROJECT
PARTIAL FOUNDATION PLAN
1/4" = 1'-0"
NORTH

PROJECT
KEY PLAN
NOT TO SCALE
NORTH

ABBREVIATION LEGEND

#	NUMBER	EMBED.	EMBEDDED / EMBEDMENT	OPNG(S).	OPENING(S)
ACI	AMERICAN CONCRETE INSTITUTE	EQ.	EQUAL	PAF	POWDER ACTUATED FASTENERS
ADDIT.	ADDITION / ADDITIONAL	EXIST.	EXISTING	PEJ	PREMOLDED EXPANSION JOINT
ARCH.	ARCHITECTURAL	FIN.	FINISH / FINISHED		
ASTM	AMERICAN STANDARD FOR TESTING OF MATERIALS	FLR.	FLOOR	PME	PLUMBING, MECHANICAL & ELECTRICAL
B.O.	BOTTOM OF	FNDN.	FOUNDATION	PSF	POUNDS PER SQUARE FOOT
BOTT.	BOTTOM	FTG.	FOOTING	PSI	POUNDS PER SQUARE INCH
CL.	CENTERLINE	F.V.	FIELD VERIFY	REINF.	REINFORCED / REINFORCING
CLR.	CLEAR	GALV.	GALVANIZED	REQ'D	REQUIRED
CMU	CONCRETE MASONRY UNIT	HORIZ.	HORIZONTAL	RTU	ROOT TOP UNIT
COL.	COLUMN	INFO.	INFORMATION	S.J.	SAWED JOINT
CONC.	CONCRETE	INSUL.	INSULATION	SL.	SLOPE
CONN.	CONNECT / CONNECTION	KIP (k)	1,000 POUNDS (#)	STIFF.	STIFFENER
CONT.	CONTINUE / CONTINUOUS	KSI	KIPS PER SQUARE INCH	STL.	STEEL
COORD.	COORDINATE	LBS	POUNDS	STRUCT.	STRUCTURE / STRUCTURAL
DBL.	DOUBLE	MANUF.	MANUFACTURER	THK.	THICK/THICKNESS
Ø / DIA.	DIAMETER	MAS.	MASONRY	T.O.	TOP OF
DIA.	DIAGONAL	MAX.	MAXIMUM	TYP.	TYPICAL
DWGS.	DRAWINGS	MIN.	MINIMUM	VERT.	VERTICAL / VERTICALLY
EA.	EACH	MECH.	MECHANICAL	W/	WITH
ELEV.	ELEVATION	MPH	MILES PER HOUR	WWR	WELDED WIRE REINFORCEMENT
		O/C	ON CENTER		

Donald L. Broyles, PE
structural engineer

508 Baylor Court
Suite C
Chesapeake, Virginia 23020
757 436 2070
757 436 0610
www.broylesassociates.com

DESCRIPTION

BY

MARK DATE REVISIONS

DATE

PROJECT

DWB

DWB

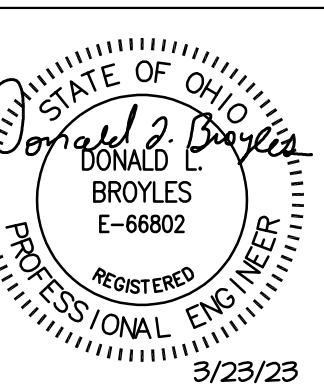
DRAWN

CHECKED

3/23/23

BEA
BRIAN EADY ARCHITECTS
FARMINGTON, HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

ALL RIGHTS ARE RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM BEA.



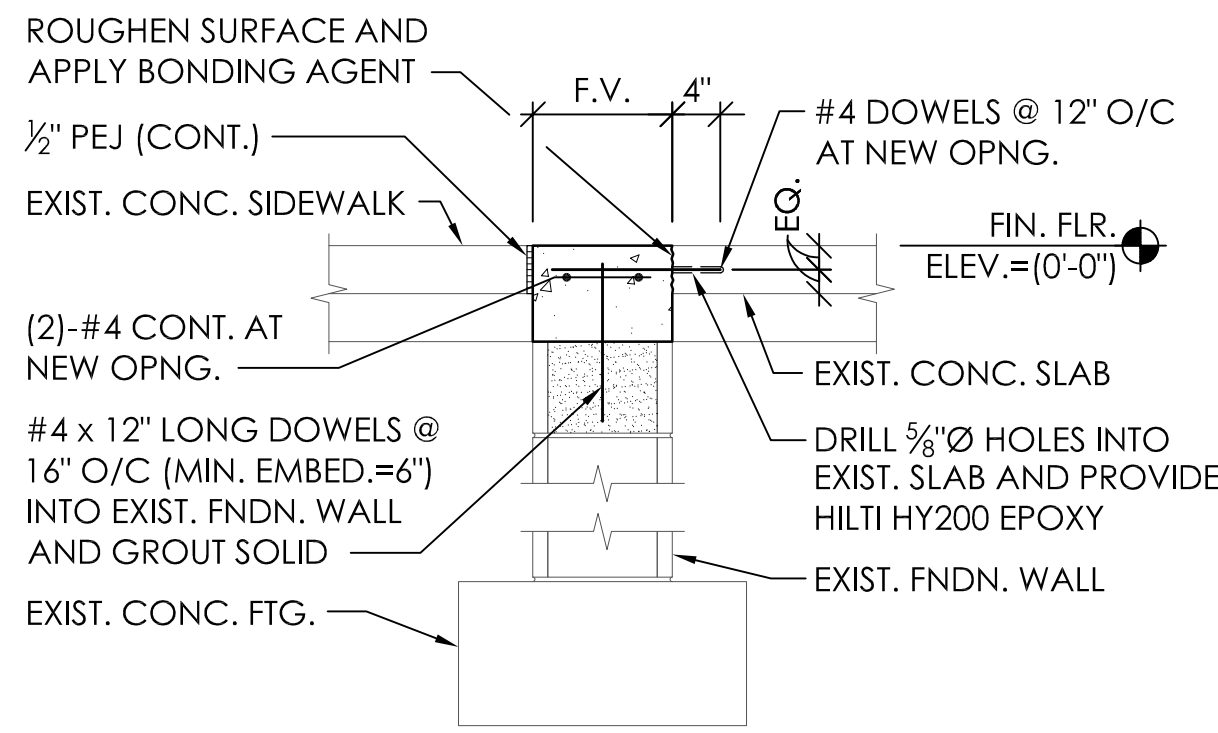
DOLLAR TREE
FORMER ENTERTAINMENT
30830 LAKESHORE BLVD. WILLOWICK, OH 44095
PARTIAL FOUNDATION PLAN

PROJECT

SHEET

S1

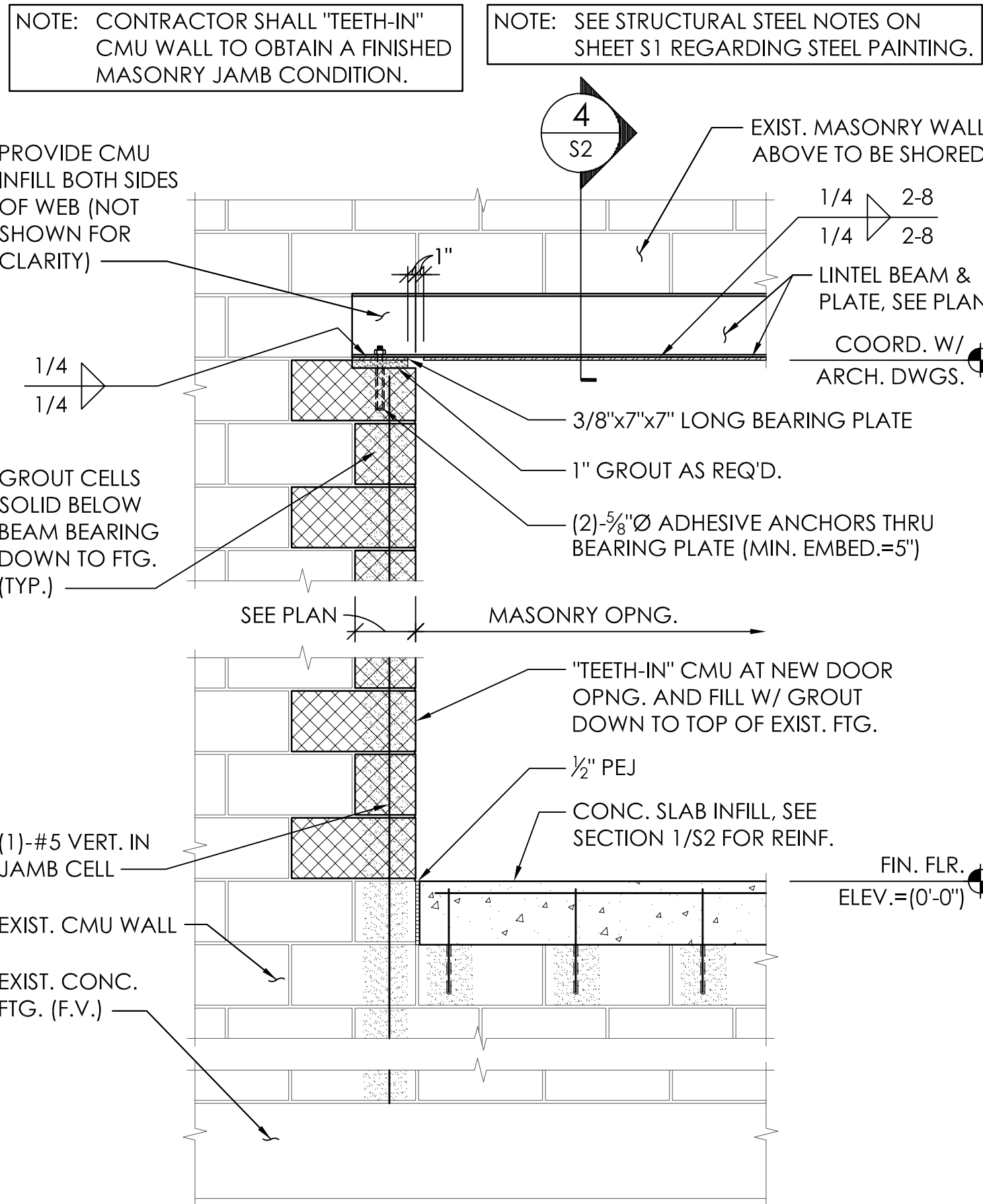
NOTE: FIELD VERIFY ENSURE THAT SIDEWALK IS LEVEL WITH EXISTING FINISHED FLOOR ELEVATION AT NEW ENTRY. NOTIFY ARCHITECT IF ELEVATIONS DIFFER.



SECTION

3/4" = 1'-0"

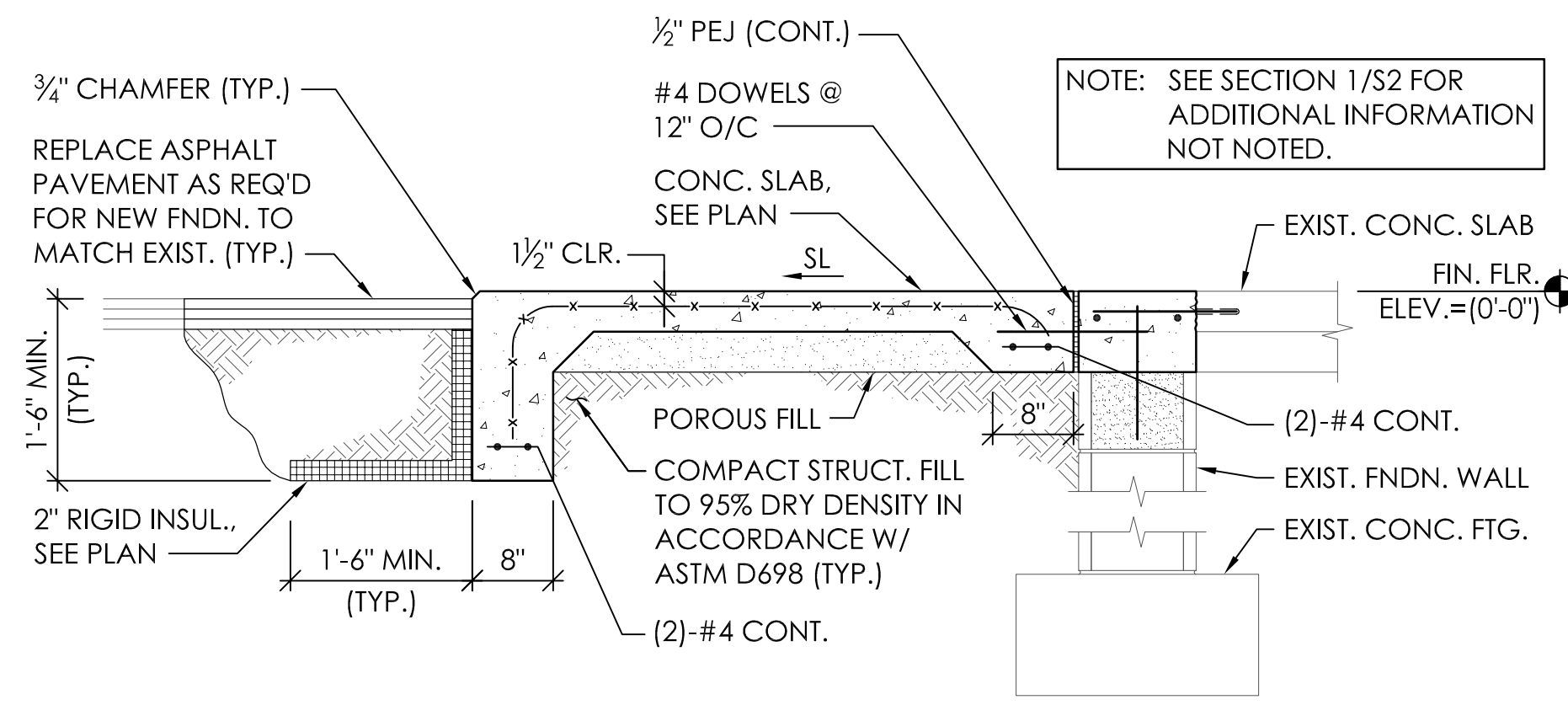
1
S1 S2



SECTION

3/4" = 1'-0"

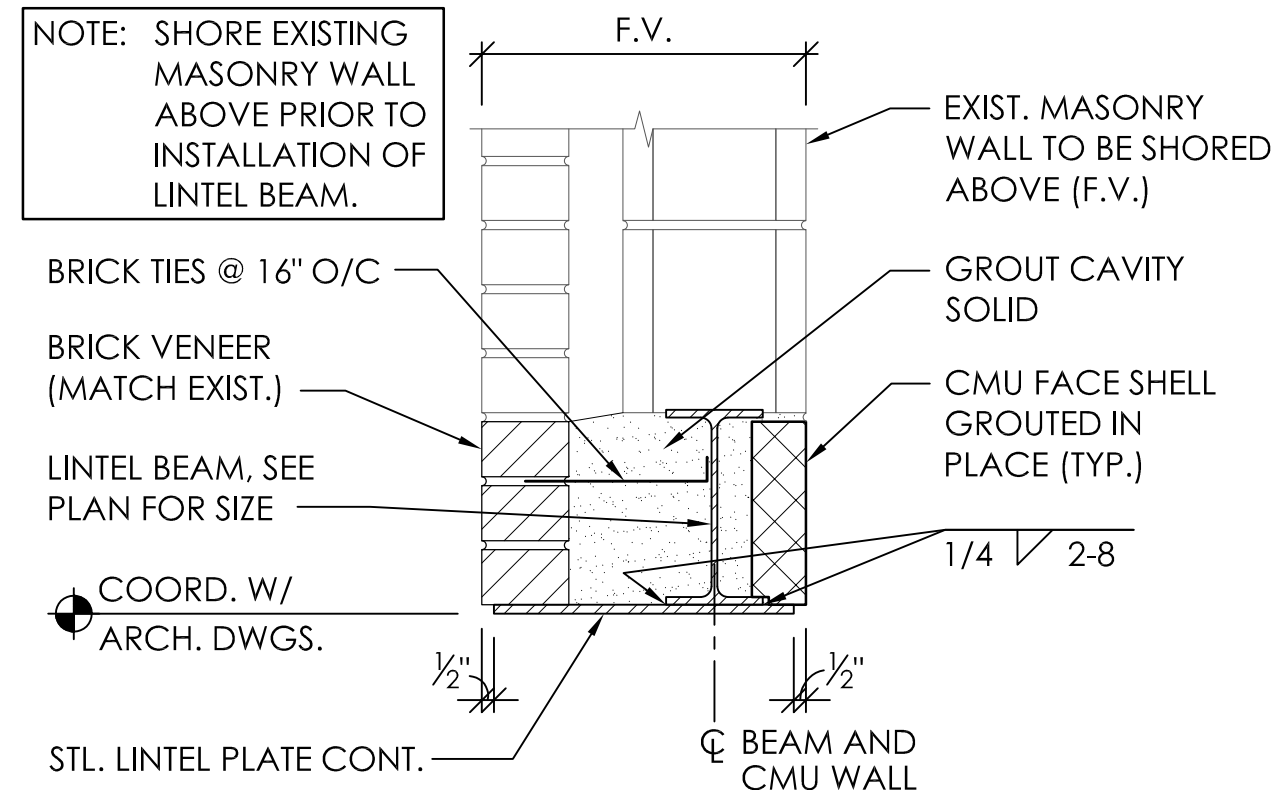
2
S1 S2



SECTION

3/4" = 1'-0"

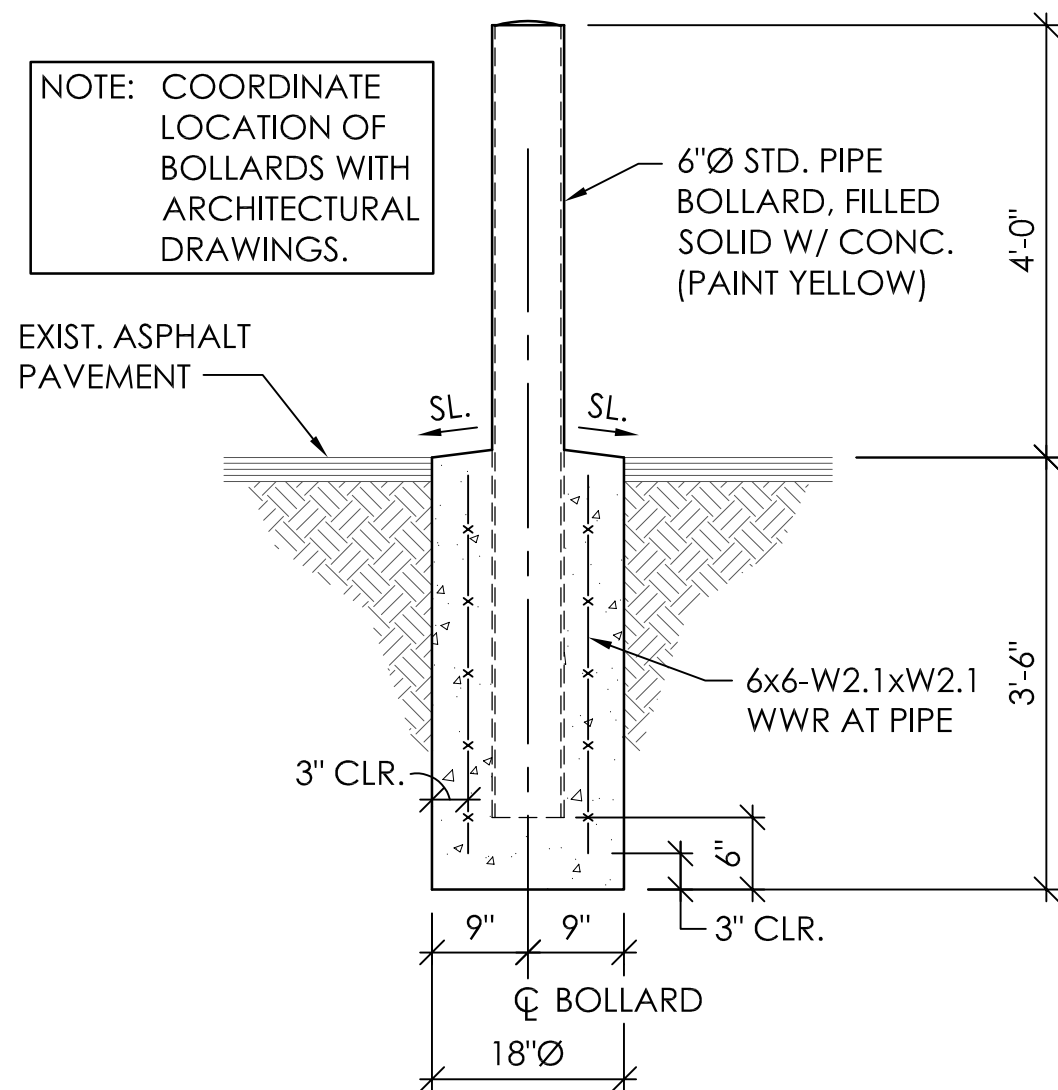
3
S1 S2



SECTION

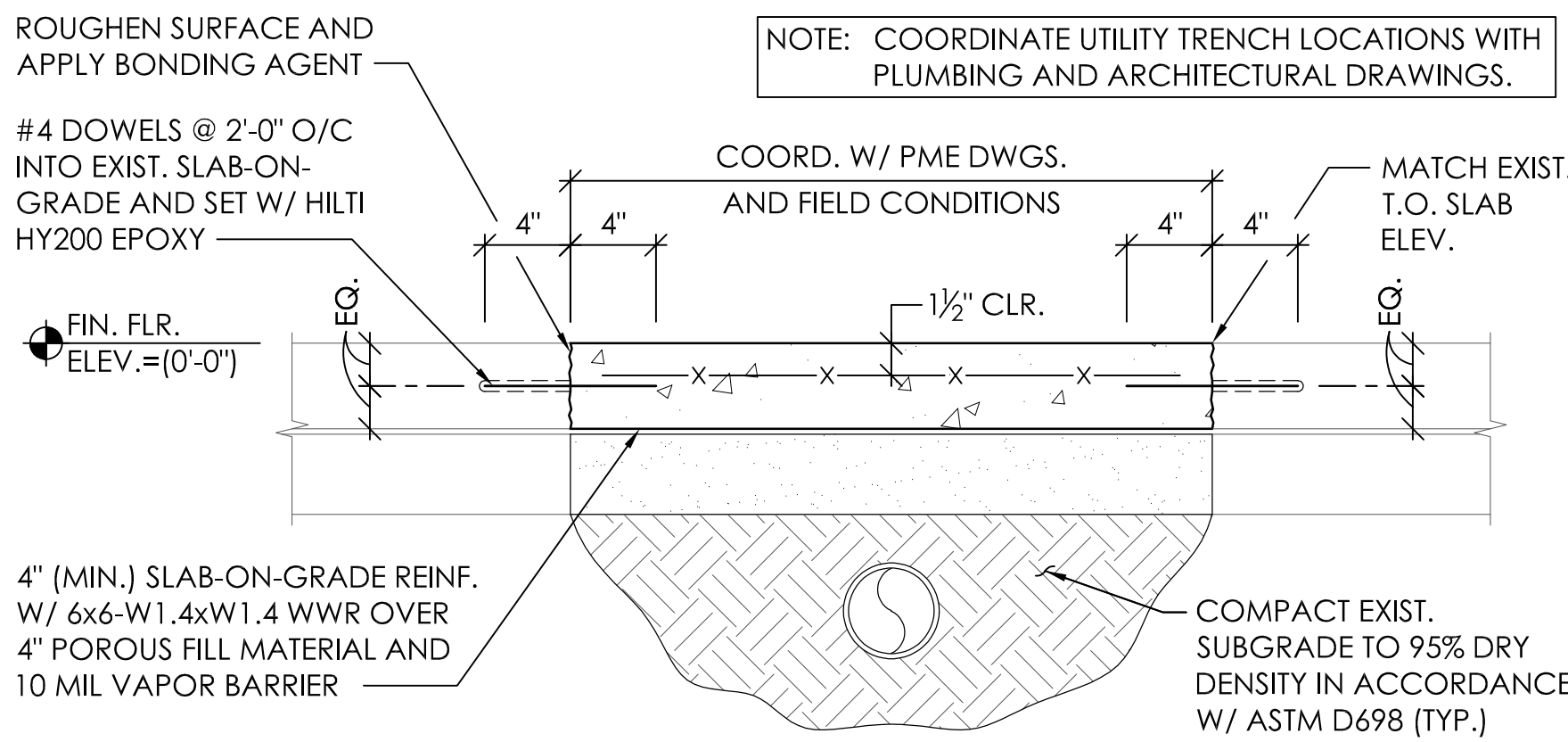
1 1/2" = 1'-0"

4
S2 S2



TYPICAL PIPE BOLLARD DETAIL

NOT TO SCALE



TYPICAL UTILITY TRENCH INFILL DETAIL

NOT TO SCALE

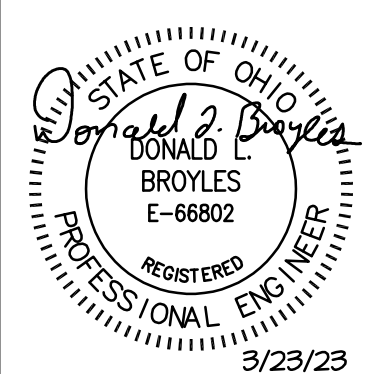
Donald L. Broyles, PE
structural engineer
508 Baylor Court
Suite C
Chesapeake, Virginia 23320
757 436 2070
757 436 0610
www.broylesandassociates.com

DESCRIPTION
BY
DATE
MARK
REVISIONS

02/24/2023	0019.30	DLB	DLB
DATE	PROJECT	DRAWN	CHECKED

BEA
BRIAN EADY ARCHITECTS
FARMINGTON, HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

ALL DRAWINGS AND DETAILS ARE THE PROPERTY OF BRIAN EADY ARCHITECTS. THEY MAY NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT WRITTEN AUTHORIZATION FROM BEA ARCHITECT.



DOLLAR TREE
FORMER ENTERTAINMENT
30830 LAKESHORE BLVD, WILLOWICK, OH 44095
SECTIONS AND DETAILS

PROJECT
DRAWING

SHEET

S2

EXISTING EQUIPMENT NOTE

HVAC UNITS, WHEN KEEPING EXISTING MECHANICAL UNITS, IMMEDIATELY UPON ARRIVAL ON JOB SITE CONTRACTOR SHALL INSPECT SERVICE AND CONDITION OF ALL EXISTING MECHANICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, CLEANING INTERIOR AND EXTERIOR OF ALL COMPONENTS, TOUCH UP PAINTING, REPLACING AIR FILTERS, INSPECTING AND REPLACING FAN BELTS AND WORN SHEAVES (IF REQUIRED), CHECKING AND RECHECKING REFRIGERANT CHARGE, OIL CHANGING AND CLEANING AND COMBING EVAPORATOR AND CONDENSER COILS, CHECKING AND TRIMMING REFRIGERANT CHARGE AND LUBRICATION, CHECKING AND TRIMMING DAMPER AND DUCTWORK, CHECKING AND TRIMMING GAS TRAIN TO VERIFY PROPER OPERATION (OR ELECTRIC HEAT AND CONTROLS AND REVERSING VALVE AS APPLICABLE), CHECKING DAMPER AND DUCTWORK FOR PROPER OPERATION, CHECKING AND TRIMMING TO INSURE PROPER OPERATION, ADJUST FANS, SHEAVES, AND SETTINGS AS INDICATED, PROVIDE CONTROLS NEW AS INDICATED ON DRAWINGS, AND REPAIR OR REPLACE ANY MISSING OR DAMAGED PARTS BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR. CONTRACTOR SHOULD ANY REPAIRS BE REQUIRED, CONTRACTOR SHALL SUBMIT A REPAIR ORDER TO THE GENERAL CONTRACTOR AND THE OWNER'S REPRESENTATIVE AND SUBMIT A WRITTEN REPORT OF THE CONDITION AND A COST PROPOSAL INCLUDING COMPLETE COST TO PLACE UNIT IN "LIKE NEW" CONDITION AND TIME ESTIMATE TO COMPLETE.

GENERAL DUCTWORK NOTE

CONTRACTOR SHALL SITE VERIFY EXISTING HVAC UNIT LOCATION(S) & POTENTIAL DUCTWORK OBSTRUCTIONS (SPRINKLER LINES, STRUCTURAL BEAMS & JOIST, ETC.) PRIOR TO FABRICATING DUCTWORK. CONTRACTOR SHALL CONTACT THE DTFD CONSTRUCTION PROJECT MANAGER IF CONFLICTS BETWEEN CONSTRUCTION DOCUMENTS & EXISTING CONDITIONS EXIST FOR DIRECTION.

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

HVAC CONTROLS NOTE

CONTRACTOR SHALL REFER TO THE EM SHEETS FOR INSTALLATION INSTRUCTIONS FOR THE VENDOR FURNISHED, CONTRACTOR INSTALLED HVAC CONTROL SYSTEM AND TEMPERATURE AND CO2 SENSOR LOCATIONS PRIOR TO THE INSTALLATION OF ALL RELATED ITEMS

HVAC DEMOLITION SCOPE OF WORK

MECHANICAL CONTRACTOR TO REMOVE EXISTING HVAC EQUIPMENT, DUCTWORK, HANGERS, INSULATION, AIR DEVICES, CONTROLS AND MISCELLANEOUS EQUIPMENT. ETC... NOT INTENDED FOR REUSE.

KEYED NOTES

M02 TENANTS CONTRACTOR SHALL INSTALL TENANT VENDOR FURNISHED CO2 SENSOR 7'-0" A.F.F. THESE SENSOR SHALL CONTROL, SALS RTU/S.

M03 PROVIDE NEW ROOF MOUNTED EXHAUST FAN AND BALANCE TO THE SCHEDULED AIR FLOW. PROVIDE NEW EXHAUST FAN AND BALANCE TO BUILDING INTAKE, CATCH AND PATCH ROOF FOR NEW FAN. ALL ROOF WORK TO BE DONE BY LANDLORD APPROVED ROOFING CONTRACTOR AT THE GENERAL CONTRACTOR'S EXPENSE. PROVIDE MOF PER DETAIL ON SHEET M-301.

M04 CONTRACTOR SHALL LOCATE BOTTOM OF PRE-SALS DUCTWORK ABOVE LIGHTING, ANY DEVIATION TO THIS DIMENSION DUE TO INTERFERENCE WITH AN EXISTING MECHANICAL SYSTEM OR AS STRUCTURE, OVERHEAD DOORS, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO FABRICATING THE DUCTWORK.

M05 PROVIDE 1" AIRSPACE BETWEEN BOTTOM OF DOOR AND FINISHED FLOOR TO AIR FLOW.

M06 ADJUST DIFFUSER FOR FULL VERTICAL DISCHARGE INTO OFFICE BELOW.

M07 EXISTING HVAC UNIT TO REMAIN. CONTRACTOR SHALL SERVICE HVAC COMPONENTS AND PROVIDE AND INSTALL NEW ACCESSORIES AND CONTROLS AS INDICATED ON DRAWINGS. CONTRACTOR SHALL BE REQUIRED TO MEET THE SEQUENCE OF OPERATIONS OUTLINED IN THE PROJECT SPECIFICATIONS. CONNECT NEW DUCTS TO DUCT DROPS FROM EXISTING ROOF TOP UNITS PROVIDED BY OTHERS WITH TRANSITION FITTINGS.

M13 PROVIDE TEMPERATURE SENSOR IN DUCT.



MARK	DATE	BY	DESCRIPTION

DATE	02/24/2023
PROJECT	0019.30
DRAWN	CAF
CHECKED	RAL



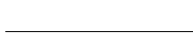
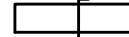
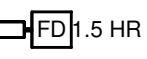
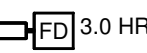
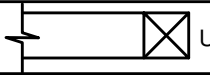
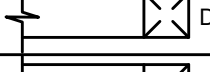
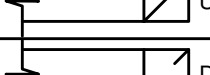
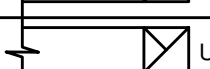
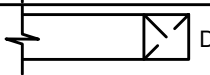
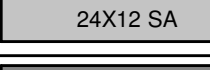
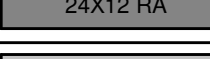
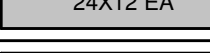
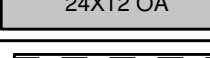
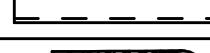
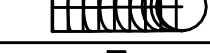
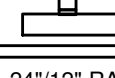
DOLLAR TREE
FORMER ENTERTAINMENT
30930 LAKESHORE BLVD, WILLOWICK, OH 44095
MECHANICAL FLOOR PLAN

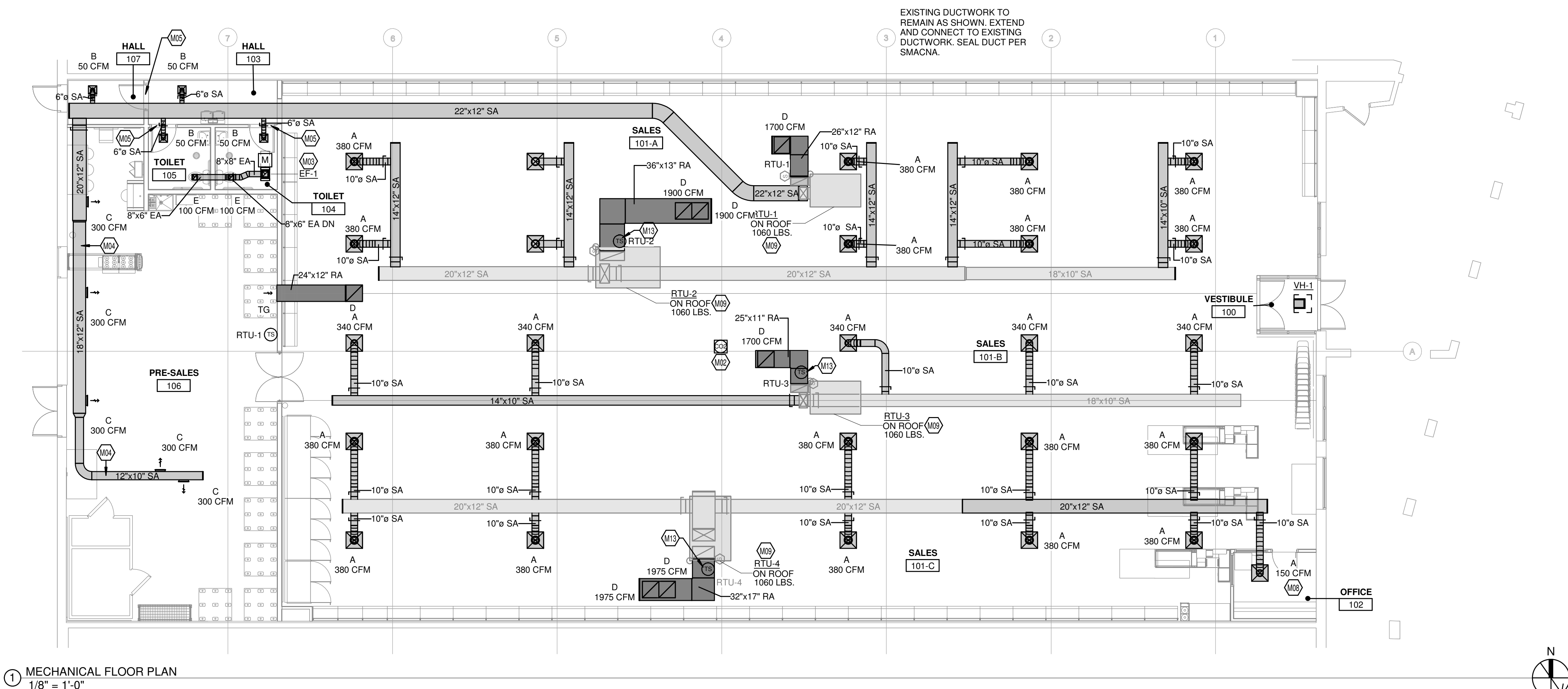
PROJECT
DRAWING

SHEET

M-101

KLH PROJECT 25140

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
PLAN-VIEW LINE TYPES	
	WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE
	WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK
	WORK SHOWN BOLD CONTINUOUS INDICATES NEW WORK
MECHANICAL MISCELLANEOUS	
	CONNECT TO EXISTING (FIELD VERIFY EXISTING UTILITY SERVICE TYPE, PRIOR TO MAKING CONNECTION)
MECHANICAL STATS & SENSORS	
	TEMPERATURE SENSOR
	LOW VOLTAGE THERMOSTAT
	REVERSE ACTING THERMOSTAT
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
MECHANICAL DUCTWORK ACCESSORIES	
	ROUND ELBOW WITH TURNING VANES
	DUCT WITH MANUAL VOLUME DAMPER
	ELBOW WITH TURNING VANES
	MOTOR OPERATED DAMPER - LOW VOLTAGE
	FIRE DAMPER - 1.5 HR
	FIRE DAMPER - 3 HR
	DUCT MOUNTED SMOKE DETECTOR (HARD WIRE INTERLOCK TO FAN MOTOR BY E.C.) FURNISHED BY E.C., INSTALLED BY M.C.
MECHANICAL AIR DEVICES	
	SUPPLY REGISTER
	RETURN REGISTER
	EXHAUST REGISTER
	SUPPLY GRILLE
	RETURN GRILLE
	CEILING DIFFUSER
	2x2' SQUARE CEILING DIFFUSER WITH 10° NECK
	ROUND CEILING DIFFUSER
MECHANICAL DUCTWORK	
	SUPPLY DUCT WITH ELBOW TURNED UP
	SUPPLY DUCT WITH ELBOW TURNED DOWN
	RETURN DUCT WITH ELBOW TURNED UP
	RETURN DUCT WITH ELBOW TURNED DOWN
	EXHAUST DUCT WITH ELBOW TURNED UP
	EXHAUST DUCT WITH ELBOW TURNED DOWN
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
	OUTSIDE AIR DUCT
	1" LINED DUCTWORK
	FLEXIBLE DUCTWORK CONNECTION
	BRANCH TAKEOFF
	OVAL DUCT
	REDUCER, CONCENTRIC
	REDUCER, NONCONCENTRIC
	DUCT FLEX CONNECTOR



OWNERSHIP OF INSTRUMENTS OF SERVICE
All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the Consultant as instruments of service shall remain the property of the Consultant. The Consultant shall retain all common law, statutory and other reserved rights, including, without limitation, the copyright thereto.

HVAC ROOFTOP UNITS SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	STATUS	WEIGHT (lbs)	MANUFACTURER	MODEL	MIN EER	MIN SEER	MIN COP	CFM (cfm)	ESP (in WC)	BHP (hp)	OACFM (cfm)	CO2 CFM (cfm)	NOMINAL TONS	MAT CLG DB (Deg F)	MAT CLG WB (Deg F)	CLG MBH (mbh)	CLG SENS (mbh)	LAT DB (Deg F)	LAT CLG WB (Deg F)	MAT HTG (Deg F)	HTG MBH (mbh)	MIN HTG AFUE	GAS HTG IN (mbh)	GAS HTG OUT (mbh)	MIN GAS PRESSURE (in WC)	MAX GAS PRESSURE (in WC)	EMERGENCY	ELECTRIC CONNECTION SUMMARY	AVAILABLE FAULT CURRENT	ACCESSORIES
RTU-1	PACKAGED ROOFTOP UNIT, GAS HEAT	EXISTING	1060	DAIKIN	DBG0603B140	11.5			1700	0.7	1.39	223	0	5	78	65	44	38	55	54	63	48	80	140	112	5	14	NO	RTU-1 - 208V/3PH, 25.1 MCA, 40A OCP	1571	2.22
RTU-2	PACKAGED ROOFTOP UNIT, GAS HEAT	EXISTING	1060	DAIKIN	DBG120VH	11.0			3800	0.7	2.33	826	340	10	78	66	121	92	55	54	59	96	80	140	112	5	14	NO	RTU-2 - 208V/3PH, 45.9 MCA, 60A OCP	4930	2.20,22
RTU-3	PACKAGED ROOFTOP UNIT, GAS HEAT	EXISTING	1060	DAIKIN	DBG0603B140	11.5			1700	0.7	1.39	476	192	5	79	66	59	42	55	54	57	46	80	140	112	5	14	NO	RTU-3 - 208V/3PH, 25.1 MCA, 40A OCP	1563	2.20,22
RTU-4	PACKAGED ROOFTOP UNIT, GAS HEAT	EXISTING	1060	TRANE	YSC120H3	10.2			3950	0.7	3.45	979	398	10	79	66	132	97	55	54	58	103	80	235	188	4.5	14	NO	RTU-4 - 208V/3PH, 48 MCA, 60A OCP	3558	2.20,22

HVAC ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS					CONTRACTOR TYPE					MOTOR CONTROL TYPE										CONTROL TYPE										CONTROL TYPE	
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK	WHERE SHORT CIRCUIT RATING CODE REQUIRED										CONTROL TYPE										WHERE SHORT CIRCUIT RATING CODE REQUIRED			
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	CPT	CONTROL POWER TRANSFORMER	VALUE INDICATES "YES" APPLICABLE										EQUIPMENT'S SHORT CIRCUIT RATING SHALL EXCEED THE AVAILABLE FAULT CURRENT VALUE INDICATED.										EQUIPMENT'S SHORT CIRCUIT RATING SHALL EXCEED THE AVAILABLE FAULT CURRENT VALUE INDICATED.			
SD	DUCT SMOKE DETECTOR	FI	FIRE PROTECTION CONTRACTOR	MG	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM																								
CN	CONTROL	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS																								
TS	TOGGLE SWITCH	HC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS																								
CIB	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	MAN	MANUAL																								
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	FA	FIRE ALARM																								
FLA	MINIMUM CIRCUIT AMPACITY	OR	OWNER OR OTHERS			CO	CARBON MONOXIDE SENSOR																								
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT																								
MCA	HARD WIRED (WHEN INDICATED FOR DC TYPE)					ASD	AREA SMOKE DETECTOR																								
[BLANK]						DS	DUCT SMOKE DETECTOR																								

CONNECTION MARK	DESCRIPTION	VOLTAGE	PHASE	EMERGENCY	HP	WATTS	HTG KW	FLA	MCA	OCP	FED FROM	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SHORT CIRCUIT RATING CODE REQUIRED?	AVAILABLE FAULT CURRENT	
RTU-3	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						25.1	40			EX	EX	EX	EX	EX	EX	EX	BAS	OR	OR	OR	OR	Yes	1563
RTU-4	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						49	60			EX	EX	EX	EX	EX	EX	EX	BAS	OR	OR	OR	OR	Yes	3558
RTU-2	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						45.9	60			EX	EX	EX	EX	EX	EX	EX	BAS	OR	OR	OR	OR	Yes	4930
RTU-1	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						25.1	40			EX	EX	EX	EX	EX	EX	EX	BAS	OR	OR	OR	OR	Yes	1571
VH-1	ELECTRIC UNIT HEATER	208 V	1				3	14.4				EC	EC	EC	EC	MG	MFR	MFR	MFR	INT	MFR	MFR	MFR	No	1254	
EF-1	HVAC FAN	120 V	1			71						EC	EC	EC	EC	MG	MFR	MFR	MFR	MAN	EC	EC	EC	No	1974	

HVAC VENTILATION SCHEDULE

NUMBER	NAME	AREA	PEOPLE	OA PER PERSON	OA PER SQ. FT.	REQ SUP	ACT SUP	REQ OA	ACT OA	ACT RET	ACT EXH	CRIT OA	PRESSURE	PCT OPERABLE	NATURAL VENTILATION
101-A	SALES	3238 SF	43	7.5	0.12	2060	3800	826	826	3800	0	21.7	Neutral	0	False
101-B	SALES	1897 SF	24	7.5	0.12	1615	1700	465	476	1700	0	27.3	Neutral	0	False
101-C	SALES	3273 SF	50	7.5	0.12	2445	3800	941	3800	0	25.3	Neutral	0	False	
102	OFFICE	80 SF	1	5	0.06	115	150	37	150	0	8.2	Neutral	0	False	
103	HALL	83 SF	0	0	0.06	30	50	7	7	50	0	12.5	Neutral	0	False
104	TOILET	56 SF	0	0	0	20	50	7	7	100	0	0	Negative	0	False
105	TOILET	56 SF	0	0	0	20	50	7	7	0	100	0	Negative	0	False
106	PRE-SALES	1489 SF	0	0	0.12	825	1500	196	196	1500	0	14	Neutral	0	False
107	HALL	49 SF	0	0	0.06	25	50	7	7	50	0	7.3	Neutral	0	False
TOTAL		8934 SF													

HVAC LOAD SCHEDULE

THE HEATING AND COOLING LOAD CALCULATIONS ARE BASED ON THE RTS (RADIANT TIME SERIES) METHOD. ASSUMPTIONS AND EXECUTION OF THESE METHODS ARE PER ASHRAE 183-2007 STANDARD FOR PEAK COOLING AND HEATING LOAD CALCULATIONS IN BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS.

COOLING LOAD BREAKDOWN													HEATING LOAD BREAKDOWN												
CROOF	SENSIBLE HEAT GAIN FROM ROOF					CSSENS	TOTAL SENSIBLE HEAT GAIN TO SPACE					HROOF	HEAT LOSS FROM ROOF												
CWALL	SENSIBLE HEAT GAIN FROM EXTERIOR WALLS					CFAN	SENSIBLE HEAT GAIN FROM AIR HANDLER FAN					HWALL	HEAT LOSS FROM EXTERIOR WALLS												
CPART	SENSIBLE HEAT GAIN FROM PARTITIONS					COAS	SENSIBLE HEAT GAIN FROM OUTDOOR VENTILATION AIR					HPART	HEAT LOSS FROM PARTITIONS												
CGLASS	SENSIBLE HEAT GAIN FROM GLAZING					CTSENS	TOTAL SENSIBLE HEAT GAIN					HGLASS	HEAT LOSS FROM GLAZING												
CSOLAR	SENSIBLE HEAT GAIN FROM SOLAR GAIN THROUGH GLAZING					CPLAT	LATENT HEAT GAIN FROM PEOPLE					HSLAB	HEAT LOSS FROM SLAB												
CLIGHTS	SENSIBLE HEAT GAIN FROM INTERIOR LIGHTING					COAL	LATENT HEAT GAIN FROM OUTDOOR VENTILATION AIR					HSPACE	TOTAL HEAT LOSS FROM SPACE												
CEQUIP	SENSIBLE HEAT GAIN FROM PLUG LOADS, COMPUTERS, ETC.					CTLAT	TOTAL LATENT HEAT GAIN					HTOT	HEAT LOSS FROM OUTDOOR VENTILATION AIR												
CPSENS	SENSIBLE HEAT GAIN FROM PEOPLE					CTTOT	TOTAL HEAT GAIN (SENSIBLE + LATENT)						TOTAL HEAT LOSS												
EQUIPMENT MARK	CROOF	CWALL	CPART	CGLASS	CSOLAR	CLIGHTS	CEQUIP	CPSENS	CSSENS	CFAN	COAS	CTSENS	CPLAT	COAL	CTLAT	CTOT	HROOF	HWALL	HPART	HGLASS	HSPACE	HSLAB	HTOT		
RTU-1	8.13	2.44	0	0	0	19.84	4.1	0	34.5	0.6	3.31	38.41	0	5.68	5.68	44.09	16.75	8.52	0	0	48.21	8.46	14.48	48.21	
RTU-2	12.53	0.65	0	0	0	26.7	18.33	15.74	77.94	1.33	12.29	91.56	6.56	21.1	29.66	131.22	25.78	2.27	0	0	86.17	14.34	96.17		
RTU-3	3.53	0.16	0	0.69	3.34	8.61	11.97	6.32	34.82	0.6	7.08	42.5	4.8	12.16	16.96	59.47	7.36	0.56	0	2.89	45.75	4.04	31.01		
RTU-4	10.89	0.39	0	0.43	2.09	26.57	19.46	19.75	80.98	1.38	14.56	96.92	10.2	25	35.2	132.12	22.33	1.46	0	2.64	102.59	12.42	63.74	102.59	

HVAC FANS SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	LOCATION	STATUS	WEIGHT (lbs)	MANUFACTURER	MODEL	CFM (cfm)	ESP (in WC)	FAN RPM (rpm)	BHP (hp)	EMERGENCY	ELECTRIC CONNECTION SUMMARY	AVAILABLE FAULT CURRENT
EF-1	HVAC FAN	ROOF	NEW	50	JOHNSON CONTROLS	EV066B	200	0.5	1150	0.25	NO	EF-1 - 120V/1PH, 71 W	1974

HVAC DIFFUSERS AND REGISTERS SCHEDULE

TAG	MANUFACTURER	MODEL	FACE	MOUNTING	MATERIAL	FINISH	DAMPER TYPE	LAY IN MOUNTING	BORDER STYLE	REMARKS	DESCRIPTION
A	TITUS	TMS	24"x24"	CEILING	STEEL	STANDARD WHITE	BUTTERFLY	LAY IN MOUNTING			
B	TITUS	TMS	12"x12"	CEILING	STEEL	STANDARD WHITE	BUTTERFLY	LAY IN MOUNTING			
C	TITUS	30DFL	14"x6"	DUCT	ALUMINUM	STANDARD WHITE	SCOOB DAMPER	SURFACE MOUNT			
D	TITUS	36F	24"x24"	CEILING	STEEL	STANDARD WHITE	OPPOSED BLADE	LAY IN MOUNTING			
E	TITUS	35RL	8"x8"	CEILING	STEEL	STANDARD WHITE	OPPOSED BLADE	LAY IN MOUNTING			
TG	TITUS	35RL	24"x12"	SIDEWALL	STEEL	STANDARD WHITE	(none)	SURFACE MOUNT			

HVAC UNIT HEATERS SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

EQUIPMENT MARK	DESCRIPTION	LOCATION	STATUS	WEIGHT (lbs)	MANUFACTURER	MODEL	EMERGENCY	ELECTRIC CONNECTION SUMMARY	AVAILABLE
----------------	-------------	----------	--------	--------------	--------------	-------	-----------	-----------------------------	-----------

DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	BY	DESCRIPTION
02/24/2023	0013.30	CAF	RAL				

DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	BY	DESCRIPTION
02/24/2023	0013.30	CAF	RAL				

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
566.933.3010

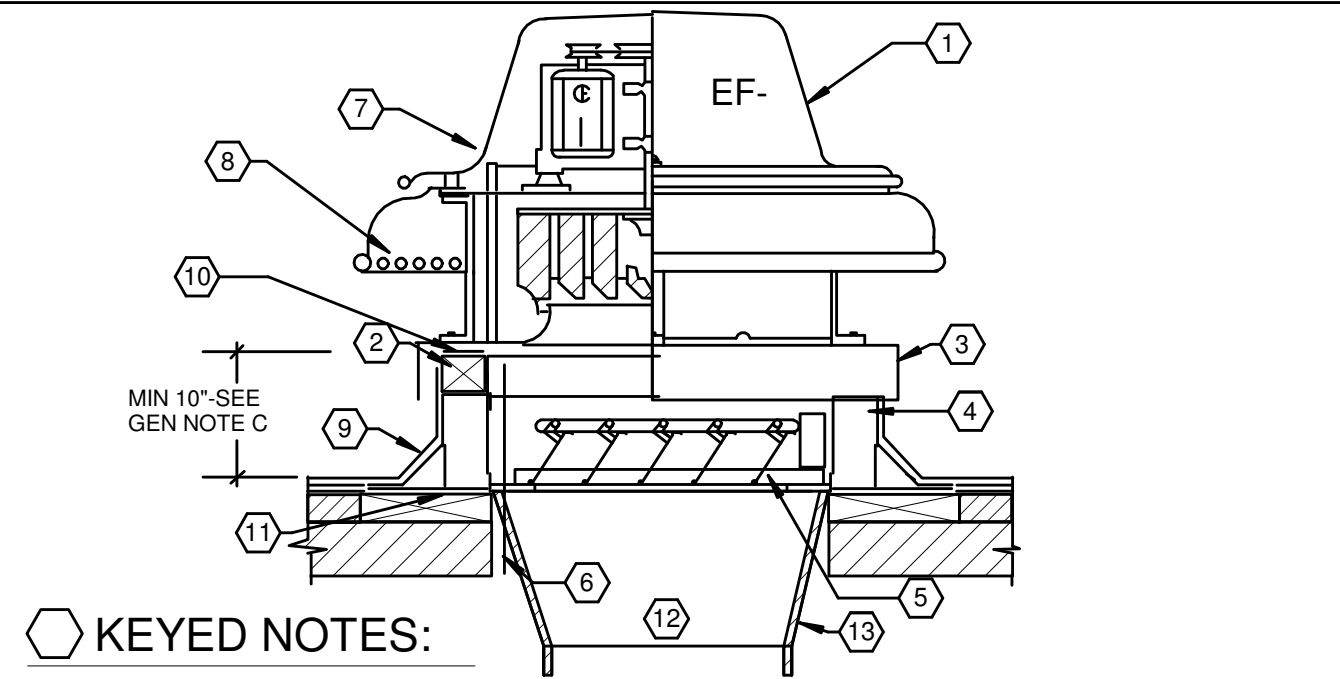
ALL DRAWINGS ARE PREPARED BY THE ARCHITECT'S OFFICE. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE ARCHITECT.

PROFESSIONAL OF RECORD

STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER
KLH ENGINEERS
CLARENCE A. KLEIN, P.E.
NO. 10000
3/23/2023

DOLLAR TREE
FORMER ENTERTAINMENT
30830 LAKESHORE BLVD., WILLOWICK, OH 44095
MECHANICAL DETAILS

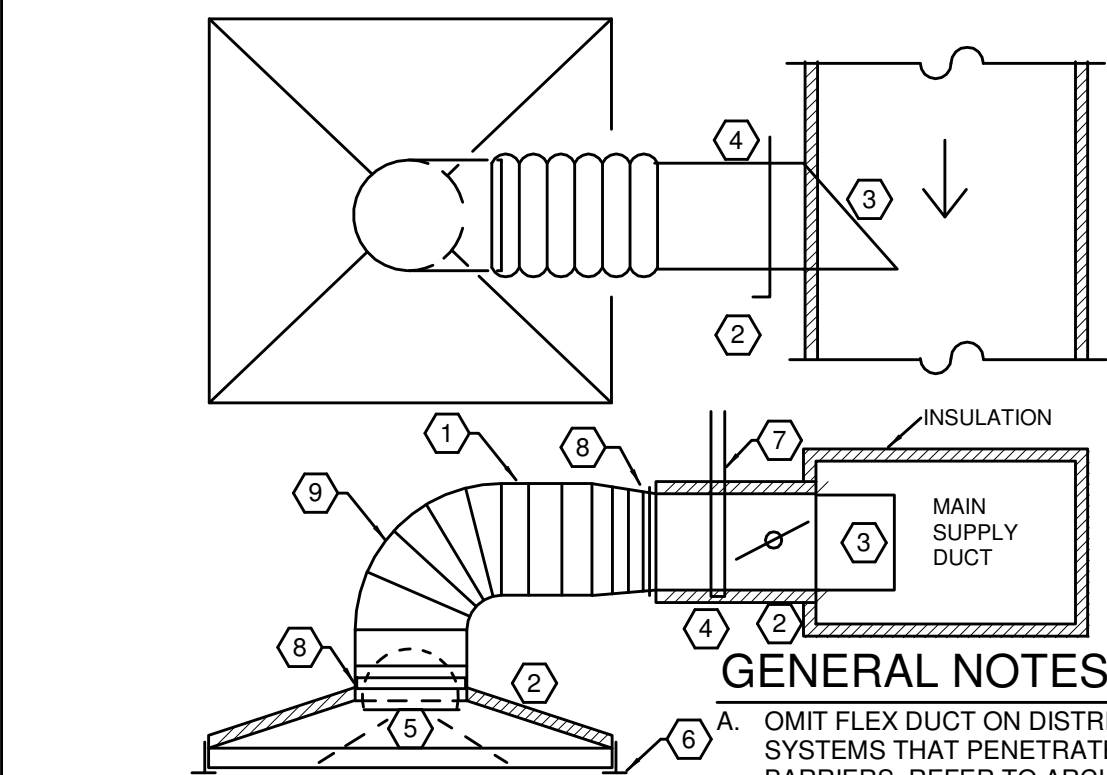
PROJECT
DRAWING
SHEET
M-301
KLH PROJECT 25140



- KEYED NOTES:**
- SPUN ALUMINUM ROOF EXHAUSTER
 - WOOD NAILER
 - ANCHOR ALL FOUR SIDES OF CURB CAP INTO NAILER SCREWS AT 12" O.C.
 - PREFABRICATED, INSULATED ALUMINUM CURB
 - MOTOR OPERATED DAMPER WIRED TO START/STOP
 - CONDUIT THROUGH HOLE IN DAMPER SHELF
 - POWER DISCONNECT
 - ALUMINUM BRD SCREEN
 - CURB TYPE AND FLASHING PER ROOFING MANUFACTURER'S REQUIREMENTS
 - RUBBER GASKET APPLIED TO TOP OF CURB
 - ANCHOR TO ROOF DECK AS REQUIRED
 - CENTER TRANSITION TO DUCTWORK FROM DAMPER OR CURB. PROVIDE 3x DIAMETER STRAIGHT RUN MINIMUM.
 - INSULATED DUCTWORK
- GENERAL NOTES:**
- DELETE CANT FOR SINGLE MEMBRANE ROOFS.
 - TOP OF CURB MUST BE LEVEL. FABRICATE PITCH IN CURB OR SHIM AS NECESSARY.
 - TOP OF CURB SHALL BE A MINIMUM OF 10" ABOVE FINISHED ROOF SURFACE. CONTRACTOR HAS THE OPTION TO EITHER FURNISH A CURB WITH SUFFICIENT HEIGHT TO ACCOMMODATE ROOF INSULATION THICKNESS OR TO ADD PRESSURE TREATED WOOD BLOCKING, SECURED TO THE ROOF DECK, BELOW THE CURB.
 - LOCATE FAN A MINIMUM OF 10'-0" FROM EDGE OF ROOF, INTAKES, AND ROOF HATCH.
 - INSTALL ROOF MEMBRANE UP UNDER FLASHING, FLASH PER ROOFING MFG. RQMTS.

233423.00-10 - ROOF EXHAUSTER A

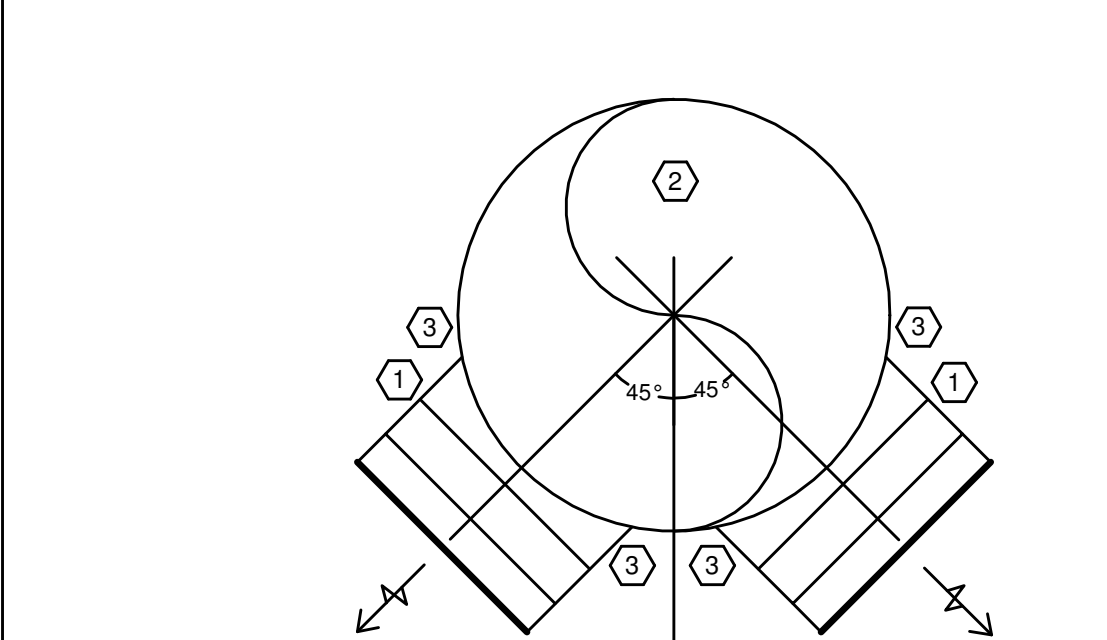
SCALE: NONE



- KEYED NOTES:**
- MAXIMUM LENGTH OF INSUL. FLEX DUCT EQUALS 6 FEET. FLEX NOT PERMITTED IN INACCESSIBLE CEILINGS
 - INSULATED DUCT, COLLAR AND DIFFUSER BY HVAC CONTRACTOR
 - SCOOP
 - SPIN IN FITTING WITH MANUAL VOLUME DAMPER
 - INTERNAL BUTTERFLY DAMPER FOR DRYWALL APPLICATIONS ONLY. (PROVIDE KEY FOR ADJUSTMENT)
 - SECURE TO CEILING PER MANUFACTURER'S RECOMMENDATIONS AND PER CEILING FINISH. PROVIDE GRID CLIPS PER MFG. REQUIREMENTS. PROVIDE FRAMING FOR DRYWALL INSTALLATION.
 - HANGER, SECURE TO STRUCTURE AND DUCTWORK
 - PEEL BACK INSULATION AND PROVIDE STRAPPING AND SHEET METAL SCREWS AT FLEX CONNECTION TO DUCT. THEN PROVIDE STRAPPING AROUND INSULATION
 - SUPPORT FLEX TO PREVENT COLLAPSING

233713.00-04 - DIFFUSER INSTALLATION TYPICAL

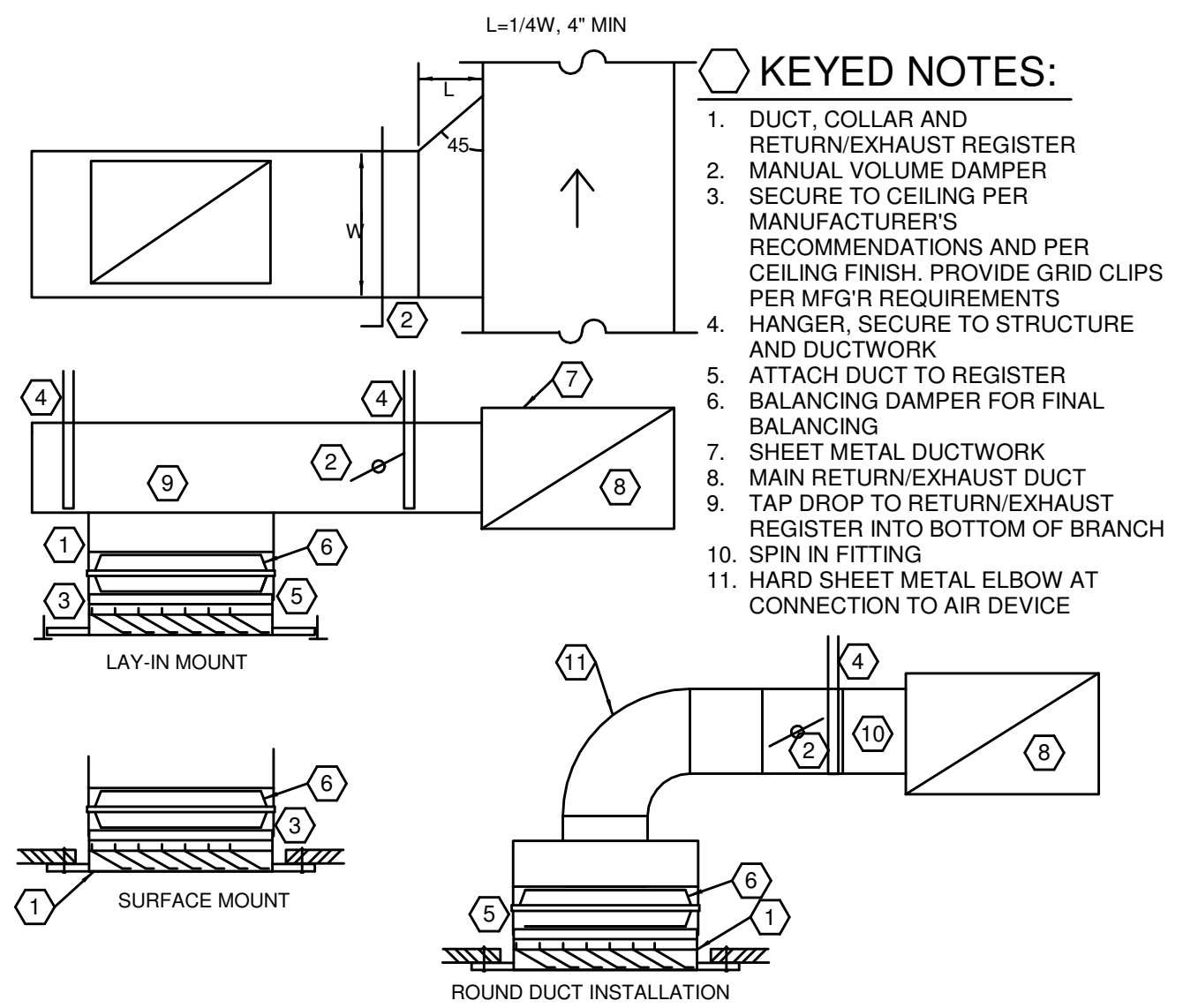
SCALE: NONE



- KEYED NOTES:**
- REGISTER WITH 0 DEGREE DEFLECTION BLADE DAMPER (TO BE SIZED AS SHOWN ON PLAN)
 - SUPPLY DUCT
 - SEAL JOINTS BETWEEN COLLAR AND MAIN DUCT

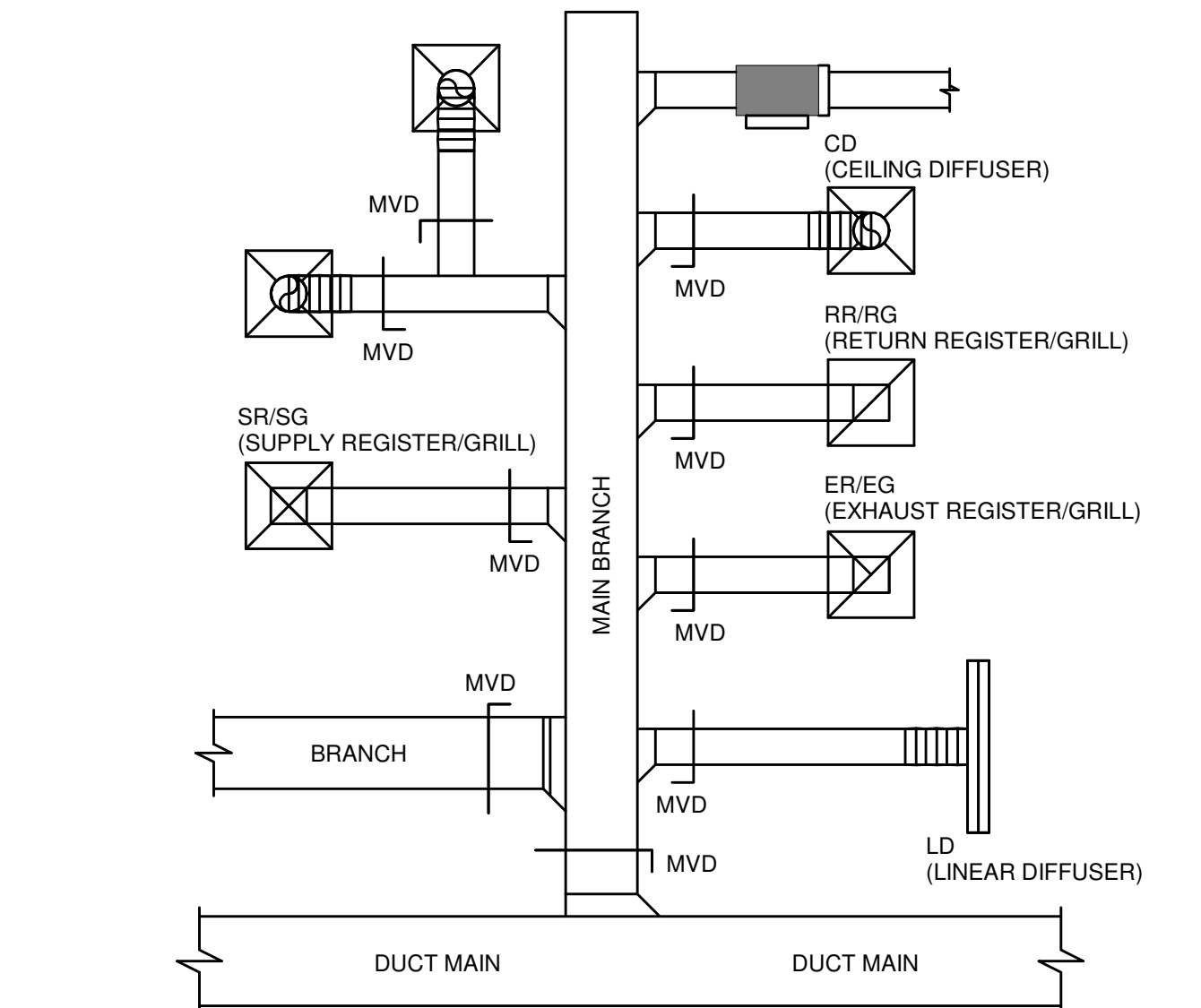
233713.00-02 - ANGLED REGISTER INSTALLATION

SCALE: NONE



233713.00-21 - RETURN/EXHAUST REGISTER INSTALLATION

SCALE: NONE



233713.00-20 - DAMPER LOCATIONS

SCALE: NONE

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

PLUMBING DEMO SCOPE OF WORK

- A. AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.
- B. WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN, PLUMBING SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED. E.G. DOMESTIC WATER PIPING, GAS, SOIL, WASTE, VENT, AND ROOF LEADER PIPING.
- C. ALL PLUMBING PIPING THAT IS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

SUBSTITUTION NOTE

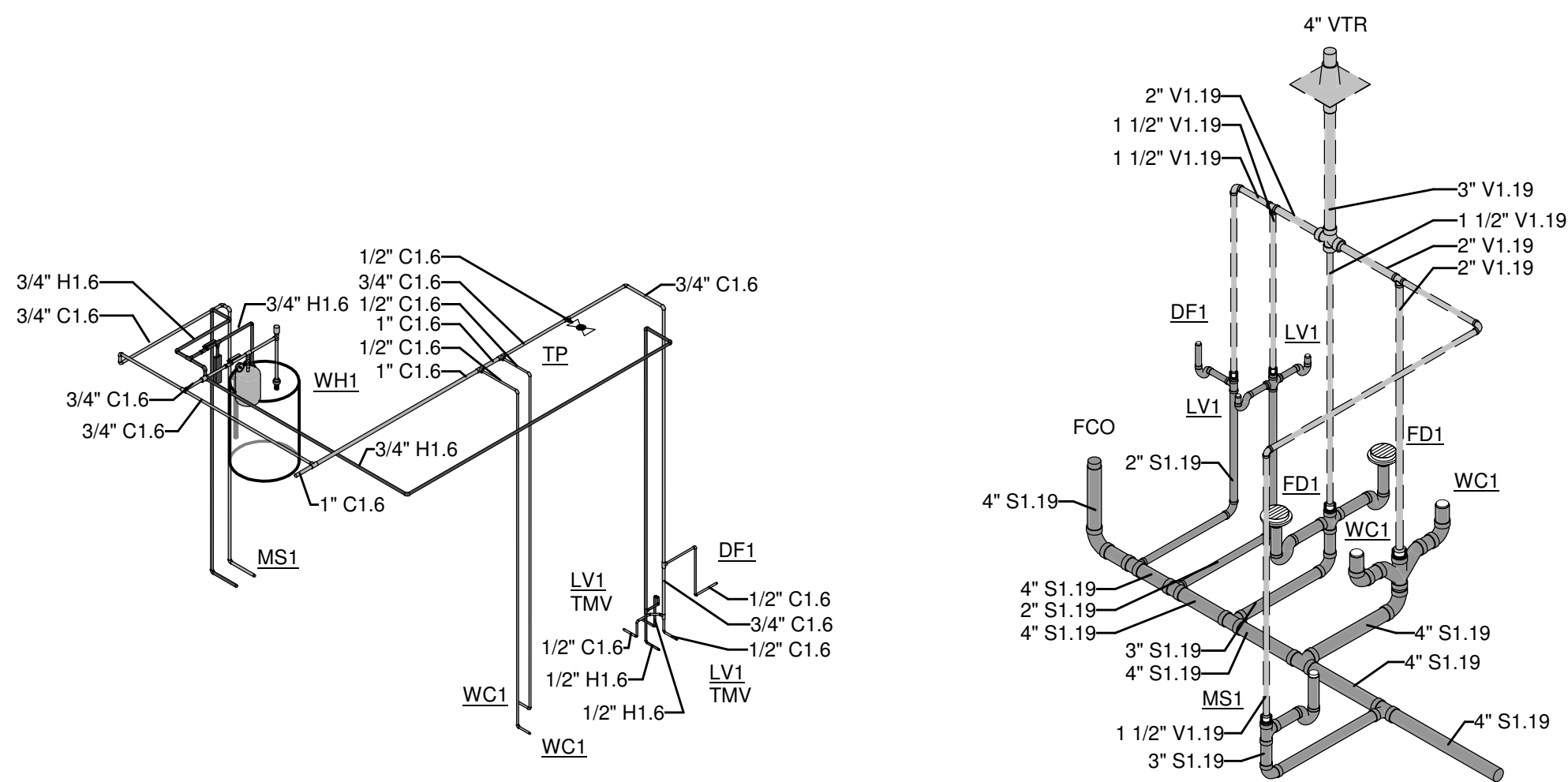
- PEX AND CPVC IS APPROVED FOR INTERIOR WATER PIPING. COORDINATE WITH LOCAL JURISDICTION PRIOR TO INSTALLATION. IF PEX AND CPVC IS NOT APPROVED BY AHJ, USE HARD COPPER TUBE, ASTM B 88, TYPE L.
- SCHEDULE 40 PVC PIPE AND FITTINGS CAN BE USED THROUGHOUT. CONTRACTOR SHALL MAINTAIN INTEGRITY OF FIRE RATINGS. PIPING SHALL NOT BE RUN IN PLENUM SPACES AND CONTRACTOR SHALL PROVIDE INTUMESCENT COLLARS WHEN PENETRATING A RATED WALL, FLOOR, OR OTHER ASSEMBLY.

KEYED NOTES

- P01 PROVIDE NEW 4" VENT THRU ROOF. COORDINATE ROOF PENETRATION REQUIREMENTS WITH LANDLORD'S ROOFING CONTRACTOR.
- P02 EXTEND EXISTING WATER SERVICE TO NEW LOCATION. FIELD VERIFY EXISTING LOCATION. LANDLORD TO PROVIDE NEW 1" BFP AND WATER METER.
- P03 CONNECT NEW SANITARY PIPING TO NEAREST EXISTING PIPING. FIELD VERIFY EXACT LOCATION, INVERT, DIRECTION OF FLOW, AND SYSTEM TYPE PRIOR TO STARTING WORK. CONTACT ENGINEER WITH ANY DIFFERENCES OTHER THAN WHAT IS SHOWN ON PLAN. PROVIDE CAMERA SCOPING TO INSURE PIPING SIZES AND LOCATION. FAILURE TO DO SO MAY RESULT IN CONTRACTOR REPLACING PIPING AT NO ADDITIONAL COST TO TENANT.
- P04 PROVIDE ELECTRIC HOT WATER HEATER ABOVE MOP SINK WITH 68" CLEAR TO BOTTOM OF WATER HEATER SUPPORT PLATFORM. PROVIDE EXPANSION TANK, AMTROL S1-5.
- P05 PROVIDE TRAP PRIMER TO SERVE NEW FLOOR DRAINS. PROVIDE 1/2" CW FROM NEAREST MAIN TO NEW TRAP PRIMER.
- P06 CONTRACTOR SHALL OBTAIN A COPY OF ALL PLUMBING FIXTURE SPEC. SHEETS PRIOR TO INSTALLATION OF ANY PIPING. CONTRACTOR SHALL ROUGH IN PLUMBING BASED ON THE FIXTURE INSTALLATION INSTRUCTIONS.

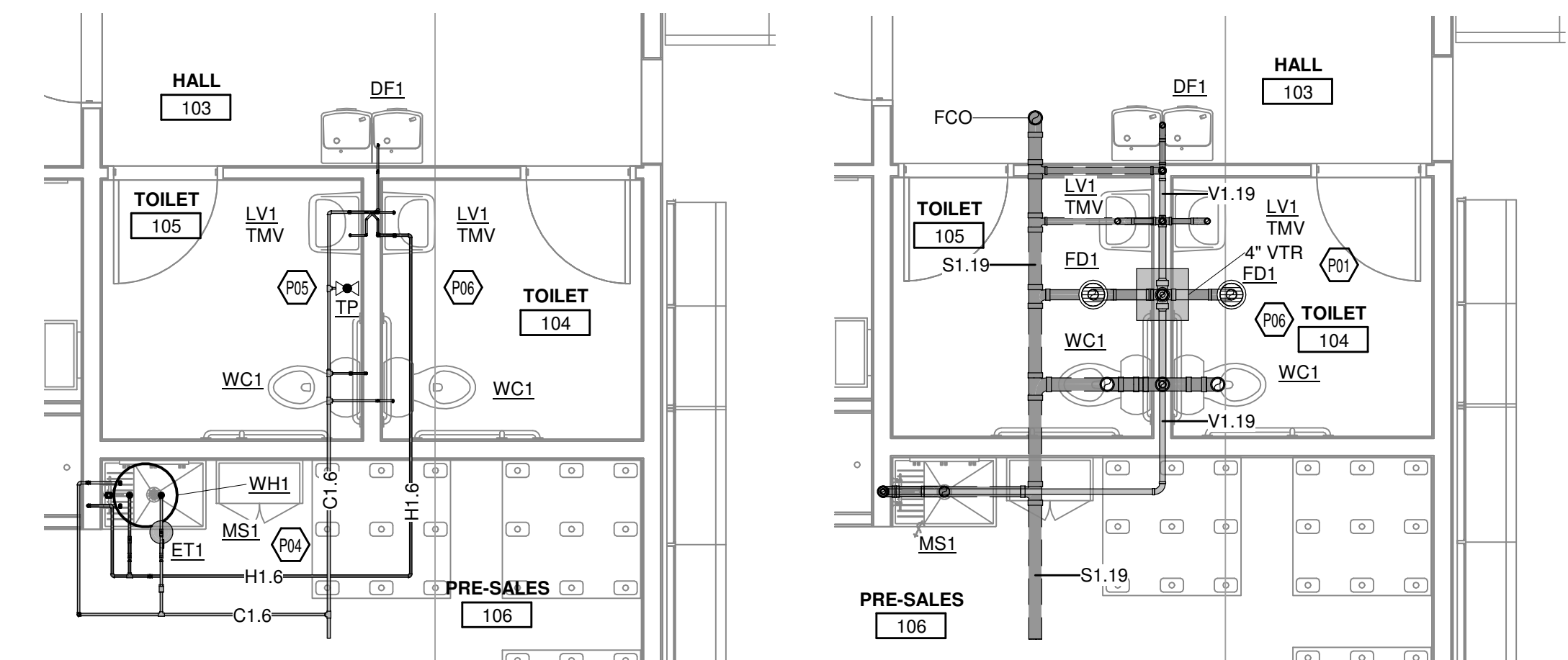
Pipe Type Legend

Mark	System Name	Pipe Material
C1.6	C1 - Domestic Cold Water	6 - Copper - Type L - ASTM B88
H1.6	H1 - Domestic Hot Water	6 - Copper - Type L - ASTM B88
S1.19	S1 - Sanitary	19 - PVC - Schedule 40 - ASTM D1785/D2665
V1.19	V1 - Vent	19 - PVC - Schedule 40 - ASTM D1785/D2665



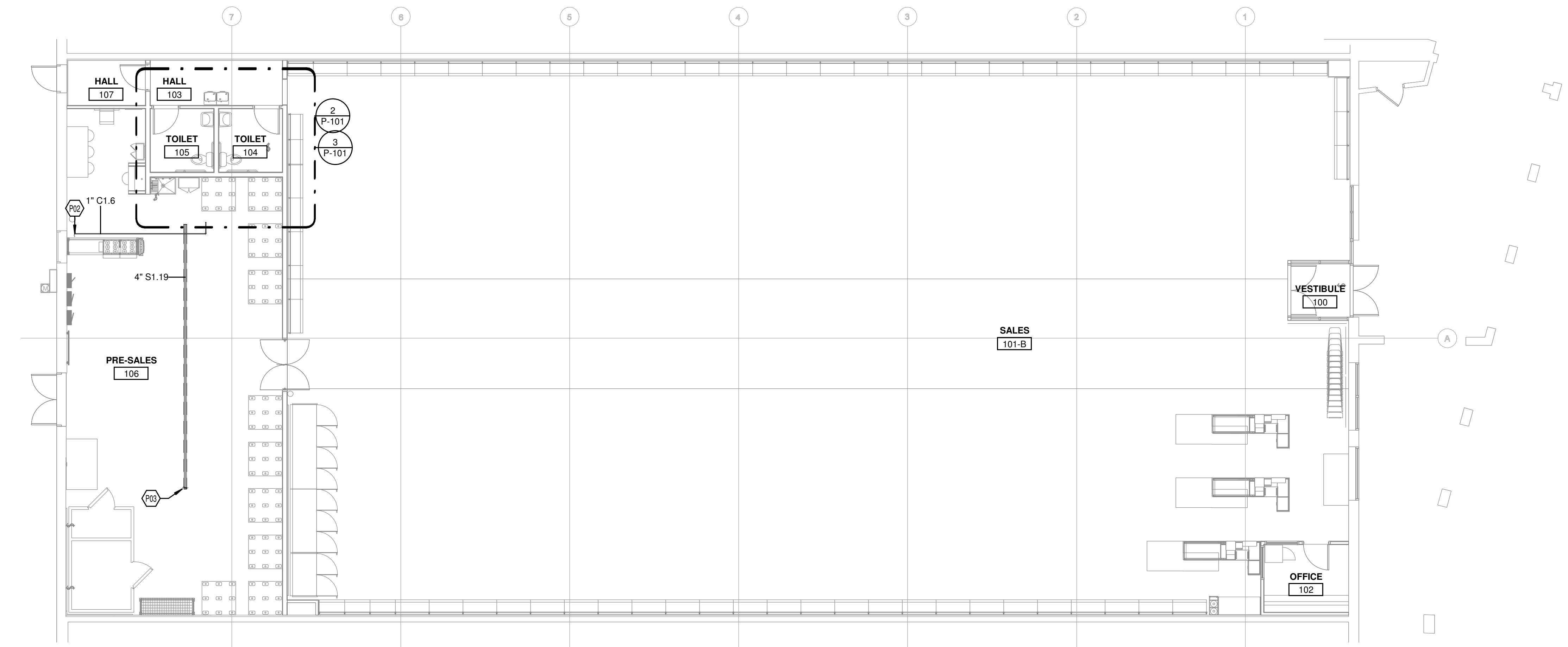
5 WATER ISOMETRIC

4 SANITARY AND VENT ISOMETRIC



3 ENLARGED WATER PLAN
1/4" = 1'-0"

2 ENLARGED SANITARY AND VENT PLAN
1/4" = 1'-0"



1 PLUMBING FLOOR PLAN
1/8" = 1'-0"

DESCRIPTION
BY
MARK DATE
REVISIONS

DATE PROJECT
02/24/2023 0010.30
DRAWN CHECKED
CAF RAL

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
566.933.3010
ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF BRIAN EADY ARCHITECTS. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION FROM THE ARCHITECT.

PROFESSIONAL OF RECORD
NHRIS T. SCHMITZER
E-77433
3/23/2023

DOLLAR TREE
FORMER ENTERTAINMENT
30930 LAKESHORE BLVD, WILLOWICK, OH 44095
PLUMBING FLOOR PLAN

PROJECT
DRAWING

SHEET
P-101

KLH PROJECT 25140



DESCRIPTION

BY

MARK DATE
REVISIONS

DATE PROJECT 02/24/2023 0910.30
DRAWN CHECKED
CAF RAL

BEA

BRIAN EADY ARCHITECTS

FARMINGTON HILLS, MI

BRIAN@BRIANEADYARCHITECTS.COM

586.933.3010

ALL DRAWINGS ARE PREPARED BY THE ARCHITECT OR UNDER HIS OR HER CLOSE PERSONAL SUPERVISION AND TO THE BEST OF HIS OR HER KNOWLEDGE THEY COMPLY WITH ALL CITY, STATE AND FEDERAL REQUIREMENTS. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY DAMAGE OR LOSS OF ANY KIND, INCLUDING BUT NOT LIMITED TO, ARISING OUT OF OR FROM THE USE OF THESE DRAWINGS.



PROJECT

DRAWING

DOLLAR TREE

FORMER ENTERTAINMENT

30930 LAKESHORE BLVD., WILLOW CK, OH 44095

PLUMBING SCHEDULES

SHEET

P-201

KLH PROJECT 25140

PLUMBING ELECTRICAL COORDINATION SCHEDULE																									
ABBREVIATIONS				CONTRACTOR TYPE				MOTOR CONTROL TYPE				CONTROL TYPE				SHORT CIRCUIT RATING									
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK	WHERE SHORT CIRCUIT RATING CODE REQUIRED INDICATES TYPES OF APPLICABLE EQUIPMENT'S SHORT CIRCUIT RATING SHALL EXCEED THE AVAILABLE FAULT CURRENT VALUE INDICATED.																	
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	GPT	CONTROL POWER TRANSFORMER																		
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MG	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM																		
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS																		
TS	TOGGLE SWITCH	HVC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS																		
C/B	H.A.C.B. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	RLNE	REVERSE ACTING LINE VOLTAGE THERMOSTAT																		
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	MAN	MANUAL																		
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM																		
NCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR																		
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT																		
[BLANK]	HARD WIRED (WHEN INDICATED FOR DC TYPE)					ASD	AREA SMOKE DETECTOR																		
						DD	DUCT SMOKE DETECTOR																		
CONNECTION MARK	DESCRIPTION	VOLTAGE	PHASE	EMERGENCY	HP	WATTS	HTG KW	FLA (A)	MCA (A)	OCF (A)	FED FROM	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SHORT CIRCUIT RATING CODE REQUIRED	AVAILABLE FAULT CURRENT
WH1	TANK TYPE ELECTRIC WATER HEATER	120 V	1				2						EC	EC	EC	--	--	--	--	INT	MFR	MFR	MFR	No	3662

PLUMBING FIXTURE SCHEDULE														
MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	VALVE/FAUCET NFOR	VALVE/FAUCET MODEL	INT TRAP	TRAP SIZE (in)	ACCESSORIES				
DF1	DRINKING FOUNTAIN			MURDOCK	A172-UG-BF			NO	1.25	FURNISH STD. CABINET FINISH FOUNTAIN, SUPPLY STOP & TUBE, DRAIN KIT, AND WALL HANGER KIT.				
LV1	LAVATORY			ZURN	Z3344	ZURN	Z86500-XL	NO	1.5	FURNISH LAVATORY, LEAD FREE METERING FAUCET, WALL HANGER KIT, SUPPLY STOPS & TUBES, DRAIN, AND ADA PIPING PROTECTION.				
MS1	MOP SINK			ZURN	Z1996-38	ZURN	Z843MI	NO	3	FURNISH VACUUM BREAKER, ROSE AND BRACKET, MOP HANGER, AND DRAIN KIT.				
WC1	TANK WATER CLOSET			ZURN	Z5560			YES		FURNISH ADA CLOSET & TANK, ADA OPEN FRONT SEAT, SELF-SUSTAINING HINGE, FLOOR FLANGE, CLOSET BOLTS & CAPS, WAX RING, SUPPLY STOP & TUBE, FLUSH CONTROL, MUST BE LOCATED ON THE WIDE ACCESS SIDE OF THE WC (SIDE OPPOSITE THE WALL).				

PLUMBING WATER HEATER SCHEDULE													
Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.													
MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	EFFICIENCY	EWT (DEG F)	LWT (DEG F)	STORAGE (GAL)	WEIGHT	ACCESS	ELECTRIC CONNECTION SUMMARY	AVAILABLE FAULT CURRENT
WH1	TANK TYPE ELECTRIC WATER HEATER			BRAZ/FORD	RE110U6	98	56	140	10	30	PROVIDE WITH T & P RELIEF VALVE AND INTEGRAL HEAT TRAPS	WH1 - 120V/1PH, 2 KW HTG	3662

PLUMBING DRAIN SCHEDULE									
MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL	TRAP PRIMER	TRAP SIZE (in)	ACCESSORIES/REMARKS	
FD1	FLOOR DRAIN			ZURN	Z-415	YES	3	TYPE "N" STRAINER. PROVIDE WITH COMPLETE BODY ASSEMBLY WITH TRAP PRIMER CONNECTION.	

PLUMBING MISCELLANEOUS EQUIPMENT SCHEDULE

Equipment shall be braced and labeled by the equipment manufacturer to withstand the minimum scheduled available fault current value for listed equipment.

MARK	DESCRIPTION	LOCATION	STATUS	MANUFACTURER	MODEL
TP	MECHANICAL TRAP PRIMER			SOUJX CHIEF	695-01

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
PLAN-VIEW LINE TYPES	
	WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE
	WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK
	WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK
	DIRECTION OF FLOW
PIPING LINE TYPES	
	SANITARY WASTE PIPING
	SANITARY VENT PIPING
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING (120°F)
	NATURAL GAS PIPING
PLUMBING ACCESSORIES	
	PIPE CAP
	CO - CLEANOUT, ECO - FLOOR CLEANOUT, GCO - GRADE CLEANOUT, WCO - WALL CLEANOUT
	FLOOR DRAIN
	EXPANSION TANK
PIPE VALVES	
	CONTROL VALVE - SHUT-OFF VALVE
	CHECK VALVE
	THERMOSTATIC MIXING VALVE
	PRESSURE REGULATOR VALVE
	BACKFLOW PREVENTER
	TRAP PRIMER VALVE
PLUMBING SYMBOLS	
	PIPE UP
	PIPE DOWN
	PIPE TEE DOWN
	PIPE TEE UP
	PIPE CONTINUATION
	CONNECT TO EXISTING (FIELD VERIFY EXISTING UTILITY SERVICE TYPE, PRIOR TO MAKING CONNECTION)
	VENT THROUGH ROOF

STANDARD PLUMBING ABBREVIATIONS			
AAV	AIR ADMITTANCE VALVE	HW	DOMESTIC HOT WATER
AD	AREA DRAIN	HWR	HOT WATER RETURN
AFF	ABOVE FINISHED FLOOR	IE	INVERT ELEVATION
AFG	ABOVE FINISHED GRADE	IN WC	INCH WATER COLUMN
ANSI	AMERICAN NATIONAL STANDARDS	KW	KILOWATT
	INSTITUTE	KWH	KILOWATT HOUR
APPROX	APPROXIMATE	LP	LIQUID PROPANE GAS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	LV	LAVATORY
AV	ACID WASTE	MAU	MAKEUP AIR UNIT
AW	ACID VENT	MAX	MAXIMUM
BAS	BUILDING AUTOMATION SYSTEM	MBH	1000 BTUH
BFP	BACKFLOW PREVENTER	MH	MANHOLE
BT	BATHTUB	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	MOC	MAXIMUM OVERCURRENT PROTECTION
BTUH	BRITISH THERMAL UNIT PER HOUR	MS	MOP SINK
BVV	BACK WATER VALVE	MV	MIXING VALVE
CA	COMPRESSED AIR	N	NITROGEN
CB	CATCH BASIN	NC	NORMALLY CLOSED
CFH	CUBIC FEET PER HOUR	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NITROUS OXIDE
CI	CAST IRON	NOM	NOMINAL
CO	CLEAN OUT	NTS	NOT TO SCALE
CO2	CARBON DIOXIDE	O	OXYGEN
CP	CIRCULATION PUMP	OC	OVER CURRENT PROTECTION
CW	DOMESTIC COLD WATER	OD	OVERFLOW DRAIN
DF	DRINKING FOUNTAIN	OI	OIL INTERCEPTOR
DE	DEIONIZED WATER	PC	PLUMBING CONTRACTOR
DIA	DIAMETER	PRV	PRESSURE REGULATING VALVE
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DS	DOWNSPOUT	RD	ROOF DRAIN
DSN	DOWNSPOUT NOZZLE	RO	ROOF HYDRANT
EC	ELECTRICAL CONTRACTOR	RO	REVERSE OSMOSIS
EXP	EXPANSION TANK	RPZ	REDUCED PRESSURE ZONE VALVE
EWC	ELECTRIC WATER COOLER	RTU	ROOF TOP UNIT
EW	ELECTRIC WATER HEATER	S	SANITARY
EX	EXISTING	SI	SOLIDS INTERCEPTOR
F	FAHRENHEIT	SINK	SINK
FCO	FLOOR CLEAN OUT	SOFT	SOFT WATER
FD	FLOOR DRAIN	SPEC	SPECIFICATION
FFE	FINISHED FLOOR ELEVATION	SQ FT	SQUARE FOOT (FEET)
FLA	FULL LOAD AMPERES	ST	STORM PIPING
FS	FLOOR SINK	TD	TRENCH DRAIN
FT	FEET	TEMP	TEMPERATURE
FW	FILTERED WATER	TMV	THERMOSTATIC MIXING VALVE
G	GAS	TP	TRAP PRIMER
GCO	GRADE CLEAN OUT	UH	UNIT HEATER
GD	GAS FIRED WATER HEATER	UR	URNAL
GWH	GREASE INTERCEPTOR	VAC	VACUUM
GPD	GALLONS PER DAY	VFD	VARIABLE FREQUENCY DRIVE
GPH	GALLONS PER HOUR	VP	VACUUM PUMP
GPM	GALLONS PER MINUTE	VTR	VENT THRU ROOF
GPR	GAS PRESSURE REGULATOR	WAGD	WASTE ANESTHESIA GAS
GW	GREASE WASTE	WB	WASHER BOX
HACW	HOT & COLD WATER	WC	WATER CLOSET
HB	HOSE BIBB	WCO	WALL CLEAN OUT
HC	HVAC CONTRACTOR	WH	WALL HYDRANT
HD	HUB DRAIN	WF	WATER FILTER
HP	HORSEPOWER	YH	YARD HYDRANT

DESCRIPTION

BY

MARK

DATE

REVISIONS

02/24/2023

0010.30

CAF

RAL

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

CHECKED

DATE

PROJECT

DRAWN

ELECTRIC LUMINAIRE SCHEDULE

GENERAL NOTES:
 A. REFER TO DRAWINGS FOR MOUNTING TYPE, NUMBER OF FACES AND ARROWS OF EXIT SIGNS. VERIFY IN FIELD PRIOR TO INSTALLATION.
 B. VERIFY COMPATIBILITY WITH VOLTAGE CONTROLS, ETC. FOR ALL LUMINAIRE COMPONENTS.
 C. COORDINATE EACH LUMINAIRE LOCATION WITH THE ARCHITECTURAL, REFLECTED CEILING PLANS, CEILING INSTALLERS, ETC. AND PROVIDE APPROPRIATE MOUNTING SYSTEM REQUIRED FOR EACH LUMINAIRE. ALSO, PROVIDE PLASTER FRAMES, WALL BRACKETS, SUPPORTS, OR OTHER APPROPRIATE DEVICES AS REQUIRED FOR PROPER AND QUALITY INSTALLATION.
 D. WEAR CLEAN WHITE COTTON GLOVES WHEN HANDLING EXPOSED REFLECTIVE LUMINAIRE SURFACES. REMOVE PLASTIC SHIPPING BAGS ONLY AFTER INTERIOR WORK IS COMPLETE, AND CLEAN ALL SURFACES WITH CLEAN DRY CHEESE CLOTH.
 E. MOUNTING HESSES INDICATED ARE TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED.
 F. PRODUCTS PROVIDE PRODUCTS INDICATED ON DRAWINGS AND SCHEDULES. WHERE MULTIPLE MANUFACTURER SERIES/MODEL NUMBERS ARE LISTED FOR A SINGLE LUMINAIRE, PROVIDE ONE OF THOSE LISTED. WHERE A SPECIFIC MANUFACTURER SERIES/MODEL NUMBER IS LISTED AS A BASIS OF DESIGN, AND WHERE IT IS STATED THAT EQUIVALENTS WILL BE CONSIDERED, ANY PROPOSED NON-LISTED LUMINAIRES ARE SUBJECT TO REVIEW BY DESIGN PROFESSIONAL(S). SUBMITTALS FOR WHICH SHALL BE FURNISHED AT LEAST 10 DAYS PRIOR TO BID DUE DATE OR THEY WILL NOT BE CONSIDERED. THESE PRE-BID SUBMITTALS SHALL CLEARLY STATE EXACTLY WHAT IS BEING PROPOSED AND SHALL DEMONSTRATE COMPLANT EQUIVALENCY. SIMILAR REQUESTS FOR PROPOSED SUBSTITUTIONS MAY BE MADE ONLY AFTER BIDS ARE RECEIVED, AND ONLY IF OWNER CHOOSES TO CONSIDER SUBSTITUTION REQUESTS. DESIGN PROFESSIONAL(S) AND OWNER RESERVE THE RIGHT TO REJECT ALL PRODUCTS THAT ARE NOT DEEMED TO BE FULLY EQUIVALENT TO THE BASIS-OF-DESIGN LISTINGS. SUBMIT ALL REQUESTS AND QUESTIONS THROUGH THE FORMALLY ESTABLISHED BIDDING PROCESS, NOT DIRECTLY TO ENGINEER.

TYPE	DESCRIPTION	MOUNTING	LIGHT SOURCE	LAMP QTY	LAMP BASE	BATTERY TYPE	LOAD (VA)	VOLTAGE	PHASE	COMMENTS
F4-EMB	4'-0" STRIP LIGHT WITH INTEGRAL BATTERY	CEILING-SURFACE	LED	2	18W LED	NONE	36 VA	120 V	1	EMERGENCY LIGHT LUMEN LEVEL IS 1200. PROVIDE WITH 90 MINUTE BATTERY BACK-UP.
F8-EMB	8'-0" STRIP LIGHT WITH INTEGRAL BATTERY	CEILING-SURFACE	LED	2	18W LED	NONE	36 VA	120 V	1	EMERGENCY LIGHT LUMEN LEVEL IS 1200. PROVIDE WITH 90 MINUTE BATTERY BACK-UP.
W	EXTERIOR EMERGENCY LIGHTING UNIT	SURFACE	LED	2	4W ADJUSTABLE 1016	INTEGRAL 90 MINUTE	4 VA	120 V	1	EMERGENCY LIGHT WITH 90 MINUTE REMOTE BATTERY. MOUNT BATTERY INSIDE.
X	EXIT SIGN WITH SINGLE OR DOUBLE FACE AND ARROWS AS INDICATED ON PLAN	CEILING-SURFACE	LED	1	3W	INTEGRAL 90 MINUTE	3 VA	120 V	1	L.E.D. SINGLE/DOUBLE FACE EXIT SIGN W/EMERG. BAT.

ENERGY MANAGEMENT SYSTEM (EMS) SCHEDULE

NOTES:
 1) PROVIDE A MINIMUM 10% SPARE RELAY OR DIMMER (OR BOTH IF LCP CONTAINS BOTH) CAPACITY PER LIGHTING CONTROL PANEL WITH NO LESS THAN 1 SPARE RELAY AND/OR DIMMER SPACE.
 2) THIS SCHEDULE IS INTENDED ONLY TO CONVEY MINIMUM QUANTITIES OF LIGHTING CONTROL PANELS AND POLE SPACE WITHIN THOSE PANELS. PROVIDE ADDITIONAL PANELS AND/OR POLE SPACE AS REQUIRED BY CHOSEN LIGHTING CONTROL SYSTEM MANUFACTURER FOR THE QUANTITY OF CONTROLLED CIRCUITS/ZONES SHOWN IN THIS SCHEDULE.
 3) PROVIDE NORMALLY-OPEN RELAYS UNLESS OTHERWISE NOTED.

LIGHTING CONTROL ZONING SCHEDULE:

(EMPLOYEE) - EMPLOYEE WORK LIGHTING

(CUSTOMER) - CUSTOMER LIGHTING

(SIGN/SITE) - SIGN AND SITE LIGHTING

SUPPLY	CIRCUIT NUMBER	NUMBER OF POLES	CURRENT	LOAD NAME
CUSTOMER				
P	21	1	5 A	LTG 101-C, 101-B, 101-A
P	23	1	5 A	LTG SALES 101-A
P	25	1	5 A	LTG 101-C, 102
P	31	1	4 A	LTG 101-C, 101-B, 101-A
P	35	1	4 A	LTG 101-C, 101-B, 101-A
EMPLOYEE				
P	27	1	5 A	LTG 101-C, 101-B, 101-A
P	29	1	4 A	LTG 101-C, 101-B, 101-A
P	33	1	5 A	LTG 101-C, 101-B, 101-A, 100
EXTERIOR				
P	20	1	10 A	(-) EXTERIOR FLOOD LIGHTS
P	40	1	10 A	SIGNAGE CONTINUOUS

LIGHTING DEVICE SCHEDULE

FAMILY AND TYPE	SWITCH TAG	COMMENTS
Lighting Switches: Switch	a	MOMENTARY SWITCH. CONFIGURE LIGHTING IN THIS AREA TO BE MANUAL ON AND AUTO OFF.
Occ Sensor - Wall: Switched	b	REFER TO RESTROOM DETAIL ON SHEET E002 FOR MORE INFORMATION. SET TO AUTO ON/AUTO OFF WITH A TIME-OUT SETTING OF 5 MINUTES.
Occ Sensor - Ceiling: Occ Sensor	c	DUAL TECHNOLOGY OCCUPANCY SENSOR. MOUNT AT SAME HEIGHT AS LUMINAIRES IN THIS ROOM. SET TIME DELAY TO 20 MINUTES.
Lighting Switches: Switch	EMS	ENERGY MANAGEMENT SYSTEM

LIGHT FIXTURE SCHEDULE
GENERAL NOTES

- DESIGNATED FIXTURE SHALL HAVE LED LAMPS 48" LED T8 LAMPS WITH 4 WIRE HARNESS AND DISCONNECT.
- CUT INSULATION (WHEN BATTERY TYPE IS USED) OR PROVIDE SHIELD AROUND FIXTURE (WHEN BLOWN-IN IS USED) TO KEEP INSULATION A MINIMUM OF 3" AWAY FROM RECESSED FIXTURE.
- ATTACH FIXTURE TO T-BAR PER NEC 410.36 WHERE APPLICABLE. PROVIDE "CADDY" CLIP HOAD-DS WHERE REQUIRED BY LOCAL AUTHORITY AND SEISMIC INSTALLATION REQUIREMENTS.
- FIXTURE PROVIDED WITH DUAL VOLTAGE 120/277V POWER SUPPLY. VERIFY VOLTAGE FOR EACH FIXTURE LOCATION.
- LIGHT FIXTURES DENOTED BY "NL" SHALL REMAIN ON DURING NON-BUSINESSWORKING HOURS.
- WITH NO FINISHED CEILING, LIGHT FIXTURES IN THE SALES AREA SHALL BE SUSPENDED @ 12'-0" AFF AND LIGHT FIXTURES IN THE PRE-SALES AREA SHALL BE SUSPENDED @ 10'-0" AFF.
- EXTERIOR FIXTURES SHALL BE SUITABLE FOR WET/DAMP LOCATION AND COLD WEATHER OPERATION.
- LIGHT FIXTURES ARE TO BE PROVIDED BY DOLLAR TREE VENDOR UNLESS OTHERWISE NOTED.

LIGHTING GENERAL NOTES

- LIGHTING CIRCUIT HOMERUNS SHALL BE RUN IN A COMMON CONDUIT TO THE EMS PANEL. PROVIDE APPROPRIATELY SIZED CONDUIT AND JUNCTION BOXES. PROVIDE DEDICATED NEUTRAL FOR EACH LIGHTING CIRCUIT. PROVIDE HANDLE TIES IN ACCORDANCE WITH NEC 210.4B. ALL LIGHTING CIRCUITS SHALL BE ROUTED THROUGH THE LIGHTING CONTROL PANEL AS SHOWN.
- EXIT FIXTURES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL VOLTAGE (120/277 VOLT INPUT). CONNECT TO THE LINE SIDE OF LOCAL SWITCHING AND CONTACTOR OR CONNECT TO DESIGNATED NIGHT LIGHT CIRCUIT. IN PRE-SALES INSTALL WALL MOUNTED TYPE ON WALL CENTERED 1'0" ABOVE THE DOOR OPENING. IN SALES AREA, MOUNT ON CEILING 1'0" FROM THE WALL.
- "EMB" EMERGENCY LIGHTING: FIXTURE EQUIPPED WITH 90 MINUTE INTEGRAL BATTERY. CONNECT TO BOTH SWITCHED AND UNSWITCHED HOT UNLESS INDICATED AS NL.
- MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

IMPORTANT NOTE: A MAXIMUM OF 15 LIGHT FIXTURES CAN BE DAISY CHAINED TOGETHER ON ONE CIRCUIT SEGMENT. INDIVIDUAL LIGHTING CIRCUITS MAY CONSIST OF MULTIPLE SEGMENTS, BUT WHEN MORE THAN 15 FIXTURES ARE ON A BRANCH CIRCUIT, SEGMENTS OF 15 FIXTURES OR LESS WILL NEED TO BE CONNECTED DIRECTLY TO THE BRANCH CIRCUIT HOMERUN.

KEYED NOTES

- CONTRACTOR SHALL SUSPEND LIGHTING IN THIS AREA FROM THE BOTTOM OF EXISTING STRUCTURE. SUSPEND LIGHTING AT 10'-0" CLEAR AFF. PROVIDE MATERIALS AS REQUIRED. FIXTURES SHALL BE SEISMICALLY RESTRAINED WHERE REQUIRED BY LOCAL CODE AUTHORITY.
- MOUNT EMERGENCY FIXTURE ABOVE DOOR 10'-0" A.F.F. OR SURFACE MOUNTED TO CANOPY (WHERE APPLICABLE). COORDINATE WITH EXISTING CONDITIONS AWWINGS AND/OR SIGNAGE. LOCATE REMOTE BATTERY INSIDE ON CEILING.
- EXTERIOR LIGHTING TO REMAIN. VERIFY IF EXISTING LIGHTING IS CONNECTED TO TENANT PANEL OR LANDLORD PANEL. IF CONNECTED TO TENANT PANEL, RE-ROUTE EXISTING EXTERIOR LIGHTING THROUGH NEW EMS FOR CONTROLS.
- DUPLEX OUTLET MOUNTED IN CEILING TILE. COORDINATE LOCATIONS WITH TENANT PRIOR TO ROUGH-IN.



DESCRIPTION

BY

MARK

DATE

REVISIONS

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

PROJECT

DRAWN

CHECKED

RINK

LGF

02/24/2023

0010.30

DATE

HVAC ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS		CONTRACTOR TYPE				MOTOR CONTROL TYPE										CONTROL TYPE								CONTROL TYPE	
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK	WHERE SHORT CIRCUIT RATING CODE REQUIRED VALUE INDICATES "YES" APPLICABLE EQUIPMENT'S SHORT CIRCUIT RATING SHALL EXCEED THE AVAILABLE FAULT CURRENT VALUE INDICATED.																	
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	OPT	CONTROL POWER TRANSFORMER																		
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MS	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM																		
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS																		
TS	TOGGLE SWITCH	MFR	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS																		
C/B	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	PC	PLUMBING CONTRACTOR	MSR	MANUAL STARTER W/ CONTROL RELAY	RLNE	REVERSE ACTING LINE VOLTAGE THERMOSTAT																		
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	OR	OWNER OR OTHERS	OV	OVERCURRENT PROTECTION	MAN	MANUAL																		
FLA	OPERATING FULL LOAD AMPS					FA	FIRE ALARM																		
MCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR																		
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT																		
[BLANK]	HARD WIRED (WHEN INDICATED FOR DC TYPE)					ASD	AREA SMOKE DETECTOR	DSD	DUCT SMOKE DETECTOR																
CONNECTION MARK	DESCRIPTION	VOLTAGE	PHASE	EMERGENCY	HP	WATTS	HTG KW	FLA	MCA	OCF	FED FROM	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SHORT CIRCUIT RATING CODE REQUIRED?	AVAILABLE FAULT CURRENT
RTU-3	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						25.1	40										BAS	OR	OR	OR	Yes	1563
RTU-4	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						49	60			EX	EX	EX	EX	EX	EX	EX	BAS	OR	OR	OR	Yes	3558
RTU-2	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						45.9	60			EX	EX	EX	EX	EX	EX	EX	BAS	OR	OR	OR	Yes	4930
RTU-1	PACKAGED ROOFTOP UNIT, GAS HEAT	208 V	3						25.1	40			EX	EX	EX	EX	EX	EX	EX	BAS	OR	OR	OR	Yes	1571
WH-1	ELECTRIC UNIT HEATER	208 V	1				3	14.4					EC	EC	EC	MG	MFR	MFR	MFR	INT	MFR	MFR	MFR	No	1254
EF-1	HVAC FAN	120 V	1			71							EC	EC	EC	MG	MFR	MFR	MFR	MAN	EC	EC	EC	No	1974

PLUMBING ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS				CONTRACTOR TYPE				MOTOR CONTROL TYPE				CONTROL TYPE				SHORT CIRCUIT RATING	
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK									WHERE SHORT CIRCUIT	
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	OPT	CONTROL POWER TRANSFORMER									RATING CODE REQUIRED	
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MS	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM									VALUE INDICATES YES	
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LOW	LOW VOLTAGE CONTROLS									APPLICABLE EQUIPMENT'S	
TS	TOGGLE SWITCH	HC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS									FOR SHORT CIRCUIT RATING	
C/B	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	RLNE	REVERSE ACTING LINE VOLTAGE THERMOSTAT									SHALL EXCEED THE	
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	MFR	OVERCURRENT PROTECTION	MAN	MANUAL									AVAILABLE FAULT CURRENT	
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM									VALUE INDICATED.	
MCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR										
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT										
[BLANK]	HARD WIRED (WHEN INDICATED FOR DC TYPE)					ASD	AREA SMOKE DETECTOR										
						DSD	DUCT SMOKE DETECTOR										

CONNECTION MARK	DESCRIPTION	VOLTAGE	PHASE	EMERGENCY	HP	WATTS	HTG KW	FLA (A)	MCA (A)	OCF (A)	FED FROM	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SHORT CIRCUIT RATING CODE REQUIRED?	AVAILABLE FAULT CURRENT
WH1	TANK TYPE ELECTRIC WATER HEATER	120 V	1										EC	EC	EC				INT	MFR	MFR	MFR	No	3682	

DOLLAR TREE ELECTRIC REFRIGERATION SCHEDULE

FIXTURE ID	MFR	DESCRIPTION	LOAD	POLES	VOLTAGE	OCF	COMMENTS
4DRF	HILLPHOENIX	REACH-IN 4-DR FREEZER	6198 VA	2	208 V	30	PROVIDE NEUTRAL FOR BRANCH CIRCUIT. VENDOR PROVIDES DISCONNECT FOR UNIT. PROVIDE JUNCTION BOX AT 10' AFF. PROVIDE 15' LONG WHIP FROM BOX FOR CONNECTION TO EQUIPMENT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE INTEGRAL EQUIPMENT DISCONNECTS AT TIME OF START-UP.
3DRF	HILLPHOENIX	REACH-IN 3-DR FREEZER	5179 VA	2	208 V	30	PROVIDE NEUTRAL FOR BRANCH CIRCUIT. VENDOR PROVIDES DISCONNECT FOR UNIT. PROVIDE JUNCTION BOX AT 10' AFF. PROVIDE 15' LONG WHIP FROM BOX FOR CONNECTION TO EQUIPMENT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE INTEGRAL EQUIPMENT DISCONNECTS AT TIME OF START-UP.
2DRF	HILLPHOENIX	REACH-IN 2-DR COOLER	3391 VA	2	208 V	20	PROVIDE NEUTRAL FOR BRANCH CIRCUIT. VENDOR PROVIDES DISCONNECT FOR UNIT. PROVIDE JUNCTION BOX AT 10' AFF. PROVIDE 15' LONG WHIP FROM BOX FOR CONNECTION TO EQUIPMENT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE INTEGRAL EQUIPMENT DISCONNECTS AT TIME OF START-UP.
FREEZER		WALK-IN FREEZER	5719 VA	2	208 V	30	PROVIDE 4"x4" JUNCTION BOX AT 120' AFF WITH 10' WHIP FOR CONNECTION TO EQUIPMENT. NOTE ALL WALK-IN CIRCUITS TO TERMINATE AT THIS JUNCTION BOX. PROVIDE LOCAL DISCONNECT FOR FREEZER REFRIGERATION EQUIPMENT. PROVIDE NEUTRAL FOR BRANCH CIRCUIT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE EQUIPMENT DISCONNECTS AT TIME OF START-UP.
COOLER		WALK-IN COOLER	1540 VA	1	120 V	20	REFER TO FREEZER COMMENTS.

ELECTRIC EQUIPMENT SUPPLY SCHEDULE

EQUIPMENT MARK	SUPPLY FROM	OKT	EMERG.	LOAD (VA)	AVAILABLE FAULT CURRENT	VOLTS	POLE	HTG KW	WATT	HP	FLA (A)	MCA (A)	OCF (A)	BREAKER RATING (A)
EF-1	P	16		0.07	1974	120 V	1			71				20
RTU-1	MDP	25.27.29		8.14	1571	208 V	3				25.1	40	40	
RTU-2	MDP	19.21.23		14.49	4930	208 V	3				45.9	60	60	
RTU-3	MDP	17.8.11		8.14	1563	208 V	3				25.1	40	40	
RTU-4	MDP	13.15.17		15.89	3558	208 V	3				49	60	60	
WH-1	P	15.17		3.00	1254	208 V	2				14.4			20
WH1	P	19		2.00	3682	120 V	1			2				25

GENERAL ELECTRICAL NOTES

- BEFORE SUBMITTING THE BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY ACQUAINT HIMSELF WITH THE JOB CONDITIONS AND VERIFY SERVICE CONNECTIONS, INCLUDING ALL NECESSARY PULL BOXES, SIZE AND NUMBER OF CONDUITS AND CONDUCTORS, SWITCH GEAR, METERING, CABLE CHARGES ETC. WHETHER SHOWN ON DRAWINGS OR NOT BUT REQUIRED BY SERVICE UTILITY CO. TO MAKE A COMPLETE AND OPERATING ELECTRICAL SERVICE WITHOUT ADDITIONAL COST TO THE TENANT. VERIFY SERVICES AND CHARGES WITH POWER AND TELEPHONE COMPANIES.
- CONTRACTOR SHALL VERIFY ALL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND SPECIFICATIONS, AND SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED BY THE CONTRACTOR FOR COMPLETE INSTALLATION.
- VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT WITH CONTRACTOR, (DOOR HEATERS, UNIT HEATERS, ROOF TOP UNITS, TRANSFER FANS, ETC.)
- ELECTRICAL WORK AND MATERIALS SHALL COMPLY WITH LATEST "N.E.C." AND ALL LOCAL CODES AND ORDINANCES. IN CASES OF CONFLICT AMONG REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.
- ALL CONDUCTORS SHALL BE # 12 AWG COPPER, EXCEPT AS OTHERWISE NOTED OR AS REQUIRED FOR VOLTAGE DROP (SEE SPECS.). ALL CONDUIT SHALL BE 1/2" MINIMUM EXCEPT AS OTHERWISE NOTED OR AS REQUIRED FOR CONDUCTORS.
- TENANT'S ELECTRICAL EQUIPMENT SHALL BE RELOCATED AS REQUIRED TO MINIMIZE LENGTH OF CONDUIT/CONDUCTOR BETWEEN SERVICE DISCONNECT SWITCH AND PANEL "MDP". OBTAIN APPROVAL FROM TENANT'S ARCHITECTURAL DEPARTMENT OF PROPOSED LOCATION PRIOR TO INSTALLATION. COST CLAIMS FOR CONDUIT/CONDUCTOR IN EXCESS OF BASE BID WILL NOT BE CONSIDERED IF PANEL RELOCATION IS NOT PROPOSED TO MINIMIZE THESE COSTS PRIOR TO INSTALLATION.
- TELEPHONE: FURNISH AND INSTALL ALL NECESSARY CONDUIT, DEVICE BOXES AND PLATES.
- NEW TELEPHONE SERVICE TO TENANT'S SPACE, NEW TELEPHONE EQUIPMENT BOARD, COORDINATE WITH LANDLORD AND TELEPHONE CO. AS REQUIRED FOR INSTALLING THIS SERVICE.
- FURNISH AND INSTALL 3/4" CONDUIT INSTALL EACH TELEPHONE OUTLET 1'-0" INTO CEILING CAVITY, OR UP TO JOIST WHERE NO CEILING IS INSTALLED.
- FIRE ALARM SYSTEM:
 - IF THERE IS NO EXISTING FIRE ALARM SYSTEM AND THE NATIONAL STATE, OR LOCAL CODES, OR LOCAL FIRE AUTHORITY HAVING JURISDICTION NOW REQUIRE A FIRE ALARM SYSTEM, FURNISH AND INSTALL DEVICES, COMPONENTS, ETC., AS DIRECTED BY ENFORCING AGENCY.
 - CONNECT ALARM CONTACT(S) OF SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISED VALVE AND AIR DUCT DETECTORS TO FIRE ALARM SYSTEM AS REQUIRED.
 - IF REQUIRED, CONNECT FIRE ALARM DEVICES (AIR DUCT DETECTORS, ETC.) AND ANY OTHER ASSOCIATED EQUIPMENT TO DEDICATED 120V CIRCUIT.
 - PROVIDE LOCAL STATUS INDICATOR AND ALARM FOR ALARM DEVICES WHERE NOT CONNECTED TO FIRE ALARM SYSTEM.
 - VERIFY ALL REQUIREMENTS AND FURNISH AND INSTALL IN ACCORDANCE WITH NFPA, NATIONAL STATE, LOCAL CODES, LOCAL FIRE AUTHORITY HAVING JURISDICTION AND LANDLORD REQUIREMENTS.

GENERAL POWER PLAN NOTES

- EQUIPMENT COORDINATION SCHEDULES: REFER TO EQUIPMENT COORDINATION SCHEDULES FOR REQUIREMENTS ASSOCIATED WITH EQUIPMENT CIRCUITING, CONNECTIONS, AUXILIARY DEVICES AND EQUIPMENT, ETC. COORDINATE LOCATIONS AND REQUIREMENTS FOR ALL EQUIPMENT WITH RESPECTIVE EQUIPMENT SUPPLIERS AND INSTALLERS PRIOR TO ORDERING ANY RELATED MATERIALS OR COMMENCING WITH ANY RELATED ROUGH-IN WORK.
- TECHNOLOGY SYSTEMS: PROVIDE RACEWAY AND PATHWAY SYSTEMS FOR ALL TECHNOLOGY WORK. INCLUDE OUTLET BOXES, CONDUITS, RACEWAYS, J-HOOKS, CABLE TRAY, ETC. AS REQUIRED FOR COMPLETE OPERATIONAL SYSTEMS. COORDINATE ALL RELATED WORK (INCLUDING ASSOCIATED POWER WITH OWNER (INCLUDING OWNER'S PROJECT MANAGER), FIELD CONDITIONS, FURNITURE INSTALLERS, TECHNOLOGY INSTALLERS) AND WORK OF OTHER TRADES AND SUPPLIERS/INSTALLERS AS APPLICABLE. TERMINATE ALL CONDUITS FROM OUTLET BOXES TO NEAREST ACCESSIBLE CEILING CAVITY, OR TO OVERHEAD STRUCTURAL SPACE FOR AREAS WITH NO CEILINGS. PROVIDE CONDUITS WITH SWEEP BENDS, PULL STRINGS, PLASTIC BUSHINGS AND IDENTIFICATION AT OVERHEAD ENDS. PROVIDE BLANK WALL PLATES TO MATCH WIRING DEVICE WALL PLATES.
- STOREFRONT WINDOWS: INSTALL RECEPTACLE(S) INDICATED ABOVE STOREFRONT WINDOWS WITHIN 18 INCHES OF THE TOP OF STOREFRONT WINDOWS, AND INSTALL COMPLIANT WITH NEC, INCLUDING ARTICLE 210.62.
- GFCI PROTECTION: PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL FOR ALL SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 30 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN/ON THE FOLLOWING LOCATIONS/APPLICATIONS: BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, SINKS WHERE RECEPTACLES ARE INSTALLED WITHIN 6 FEET FROM THE TOP INSIDE EDGE OF THE BOWL OF THE SINK, INDOOR WET LOCATIONS, VENDING MACHINES AND AREAS, ELECTRIC WATER COOLERS, LOCKER ROOMS WITH ASSOCIATED SHOWERING FACILITIES, AND GARAGES, SERVICE BAYS, AND SIMILAR AREAS OTHER THAN VEHICLE EXHIBITION HALLS AND SHOWROOMS. PROVIDE GFCI RECEPTACLES AT LOCATIONS THAT ARE AND WILL REMAIN READILY ACCESSIBLE. ELSEWHERE PROVIDE GFCI PROTECTION AT THE RESPECTIVE SOURCE CIRCUIT BREAKER.
- TRIM AND DOOR FINISHES: PROVIDE FACTORY-PAINTED OR FIELD-PAINTED TRIMS AND DOORS TO MATCH WALL FINISH COLOR FOR ALL PANELBOARDS AND SIMILAR EQUIPMENT THAT ARE INSTALLED RECESSED IN FINISHED WALLS. IF FIELD-PAINTED, PAINT ALL SIDES AND EDGES WITH TWO COATS OF PAINT BEFORE INSTALLATION, AND LET DRY BEFORE INSTALLING THEM.
- SIGNAGE: COORDINATE ALL SIGNAGE REQUIREMENTS WITH OWNER (INCLUDING OWNER'S PROJECT MANAGER), SIGNAGE SUPPLIERS AND INSTALLATION, AND ARCHITECT TO DETERMINE SPECIFICS REGARDING LOCATIONS, POWER, CONTROL, AND OTHER PERTINENT INFORMATION. PROVIDE POWER (ON DEDICATED CIRCUIT(S)) FOR SIGNAGE REQUIRING POWER CONNECTIONS. PROVIDE PHOTOCELL AND TIME-BASED CONTROL, CONFIGURED AS DIRECTED BY OWNER. PROVIDE ALL ELECTRICAL WORK, INCLUDING DISCONNECTING MEANS, COMPLIANT WITH ARTICLE 600 OF NFPA 70. COMPLY WITH LANDLORD REQUIREMENTS WHERE APPLICABLE.

KEYED NOTES

- SIGNAL SYSTEMS: REAR DOOR BELL AND PUSH-BUTTON: FURNISH AND INSTALL AN EDWARDS #55-605, 24V AC "ADAPT-A-BELL" ABOVE CEILING AND A #852 WEATHERPROOF PUSH-BUTTON IN FLUSH NEW CONST.) SWITCH BOX. AT TENANT SPACE BACK DOOR, CONNECT SO THAT BELL SOUNDS WHEN PUSH-BUTTON IS PRESSED.
- PROVIDE ROUGH-IN FOR TENANT STOREFRONT SIGN(S) WHERE APPLICABLE. FINAL CONNECTIONS WILL BE FURNISHED AND INSTALLED BY TENANT'S SIGN CONTRACTOR. FURNISH AND INSTALL DISCONNECT AND JUNCTION BOXES W/6 WHIP ON INTERIOR WALL ABOVE ACCESSIBLE CEILING, WHERE INSTALLED OUTDOORS PROVIDE WEATHERPROOF, INSULATED JUNCTION BOX AND WEATHERPROOF DISCONNECT. CONTRACTOR SHALL COORDINATE FINAL EXTERIOR JUNCTION BOX LOCATION WITH SIGN VENDOR. JUNCTION BOXES NEED TO BE WITHIN 5 FEET OF SIGN FOR SIGN VENDOR TO MAKE FINAL ELECTRICAL CONNECTION. IF STORE HAS ADDITIONAL SIDE OR REAR SIGNAGE THE CONTRACTOR SHALL COORDINATE WITH THE SIGN VENDOR FOR ANY ADDITIONAL EXTERIOR SIGNAGE AND THE ASSOCIATED ELECTRICAL REQUIREMENTS. AFTER THE ELECTRICAL DESIGN IS COMPLETE, IT MAY BE DETERMINED THAT CERTAIN SITES REQUIRE SIDE OR REAR SIGNAGE.
- MOUNT ON FLOOR AND MAKE MC CONNECTION TO DUPLEX RECEPTACLE INSTALLED IN FIXTURE KICK PLATE. ASSEMBLE JUNCTION BOX AROUND INSTALLED FIXTURE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH LANDLORD AND/OR LOCAL UTILITY COMPANY REQUIREMENTS FOR BRINGING A COMPLETE TELEPHONE SERVICE INTO TENANT SPACE. DO NOT CONNECT "ISOLATED" GROUND WIRE TO RACEWAY OR BOX. CONDUIT AND BOX SHALL BE METAL AND METAL-TO-METAL CONNECTORS SHALL BE USED (NO FLEX CONDUIT) TO ESTABLISH GROUND PATH FOR BOX AND RACEWAY. DO NOT RUN ANY CIRCUITS WITH CASH REGISTER OR COMPUTER (IG) CIRCUITS. CASH REGISTER DATA SYSTEM CABLE SHALL BE FURNISHED AND INSTALLED BY OTHERS.
- THREE-CHANNEL TELEPOWER POLE WITH DIVIDER FOR TELEPHONE-DATA, ISOLATED POWER, AND NORMAL POWER. INSTALL TELEPOWER POLE AS SHOWN AT CHECKOUT AREA. WHEN COUNTER IS SET, POWER POLE WILL BE FURNISHED WITH (1) ISOLATED GROUND TWIST LOCK RECEPTACLE (CONNECT ISOLATED GROUND CIRCUIT TO THIS RECEPTACLE) AND (1) DUPLEX RECEPTACLE (CONNECT (1) NORMAL POWER CIRCUIT TO THIS RECEPTACLE).
- CONTRACTOR SHALL REFER TO EMS SHEETS FOR INSTRUCTION AND RESPONSIBILITIES FOR INSTALLING TENANT SUPPLIED ENERGY MANAGEMENT SYSTEM PRIOR TO BIDDING AND INSTALLATION. POWER POLES ARE OWNER FURNISHED AND CONTRACTOR INSTALLED. PROVIDE ALL NECESSARY MATERIAL TO PROVIDE A COMPLETE INSTALLATION. CONTRACTOR SHALL REFER TO FINAL FIXTURE PLAN FOR SNACK ZONE, CHECKOUT AND ANY OTHER FIXTURE THAT REQUIRES POWER PRIOR TO INSTALLING ELECTRICAL AND DATA.



DESCRIPTION

BY

DATE

MARK

REVISIONS

LOG

CHECKED

DATE

PROJECT

DRAWN

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

PROJECT

DRAWING

DATE

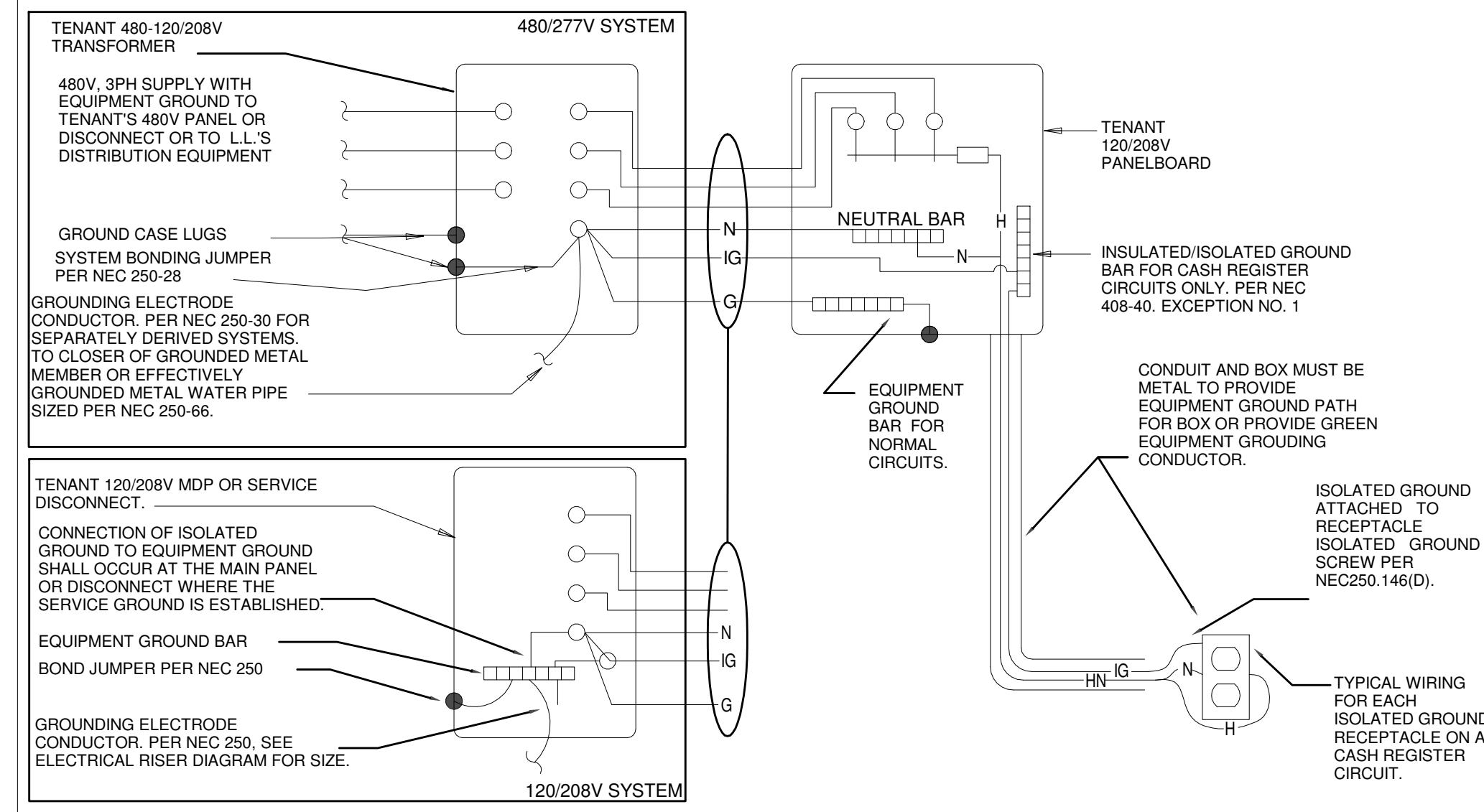
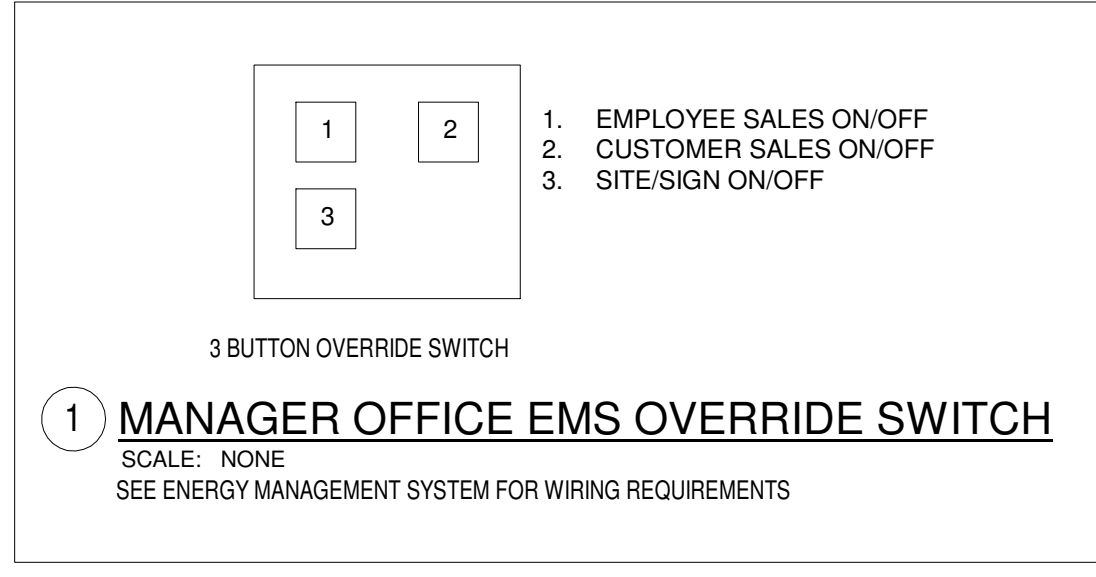
PROJECT

DRAWING

DATE

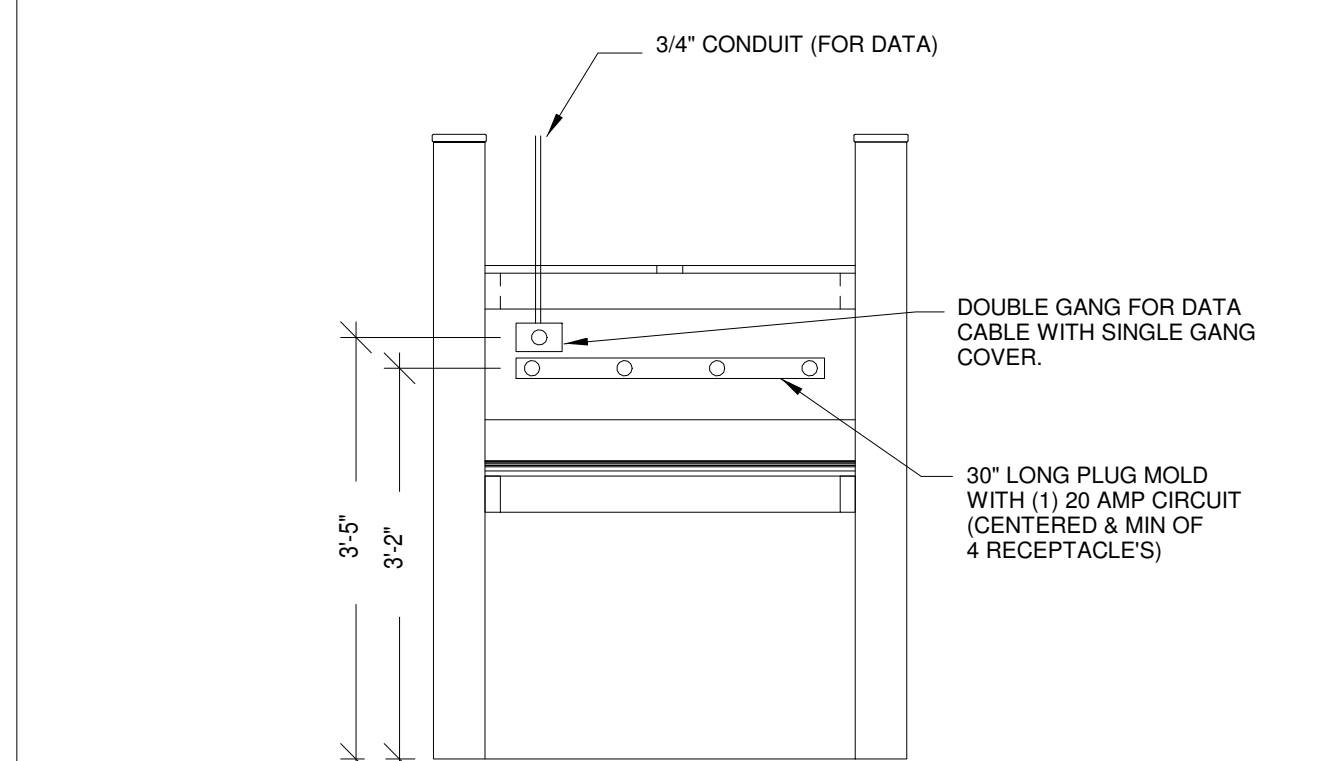
PROJECT

DRAWING

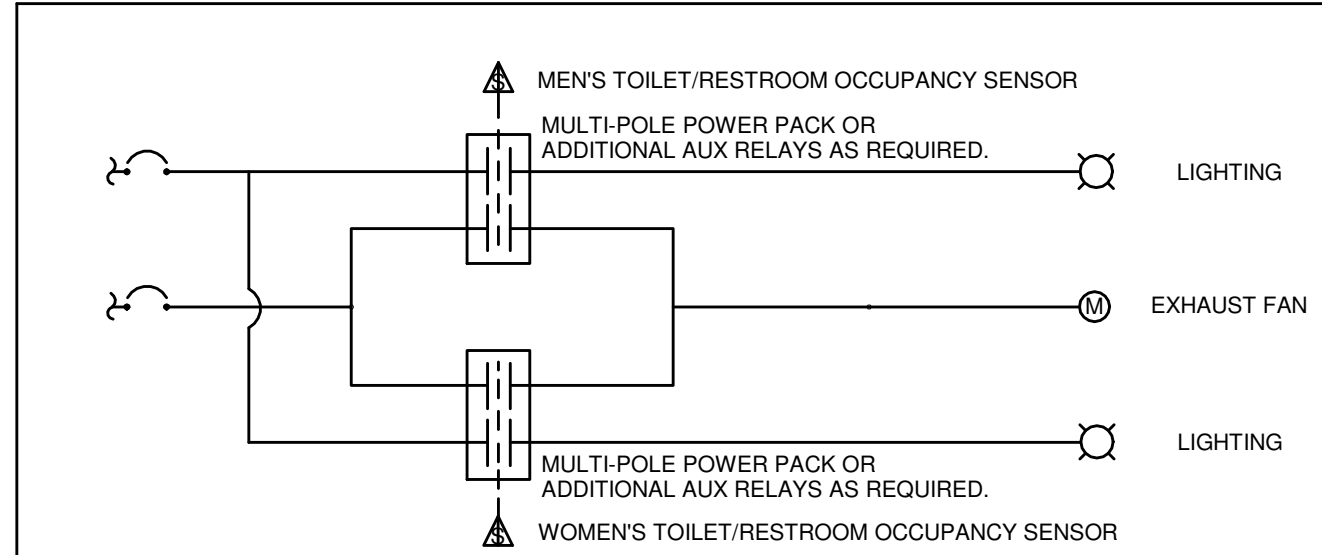


- FURNISH AND INSTALL AN INSULATED, ISOLATED GROUND BAR IN PANEL. INSTALL AN INSULATED "ISOLATED" GROUND WIRE IN EACH BRANCH CIRCUIT "HOMERUN" TO PANELBOARD. CONNECT GROUND WIRE FOR CASH REGISTER AND COMPUTER CIRCUITS TO ISOLATED GROUND BAR IN PANELBOARD AND DIRECTLY TO ISOLATED GROUND LUG/SCREW ON ISOLATED GROUND RECEPTABLES.
- DO NOT CONNECT "ISOLATED" GROUND WIRE TO RACEWAY OR BOX. CONDUIT AND BOX SHALL BE METAL AND METAL-TO-METAL CONNECTORS SHALL BE USED (NO FLEX CONDUIT) TO ESTABLISH GROUND PATH FOR BOX AND RACEWAY.
- CASH REGISTER DATA SYSTEM CABLE SHALL BE FURNISHED AND INSTALLED BY OTHERS. FURNISH AND INSTALL JUNCTION BOX IN OFFICE AND 1" CONDUIT WITH PULL WIRE TO SALES AREA CEILING CAVITY.
- DO NOT RUN CASH REGISTER CIRCUITS WITH OTHER CIRCUITS.

6 CASH REGISTER GROUNDING DIAGRAM
SCALE:



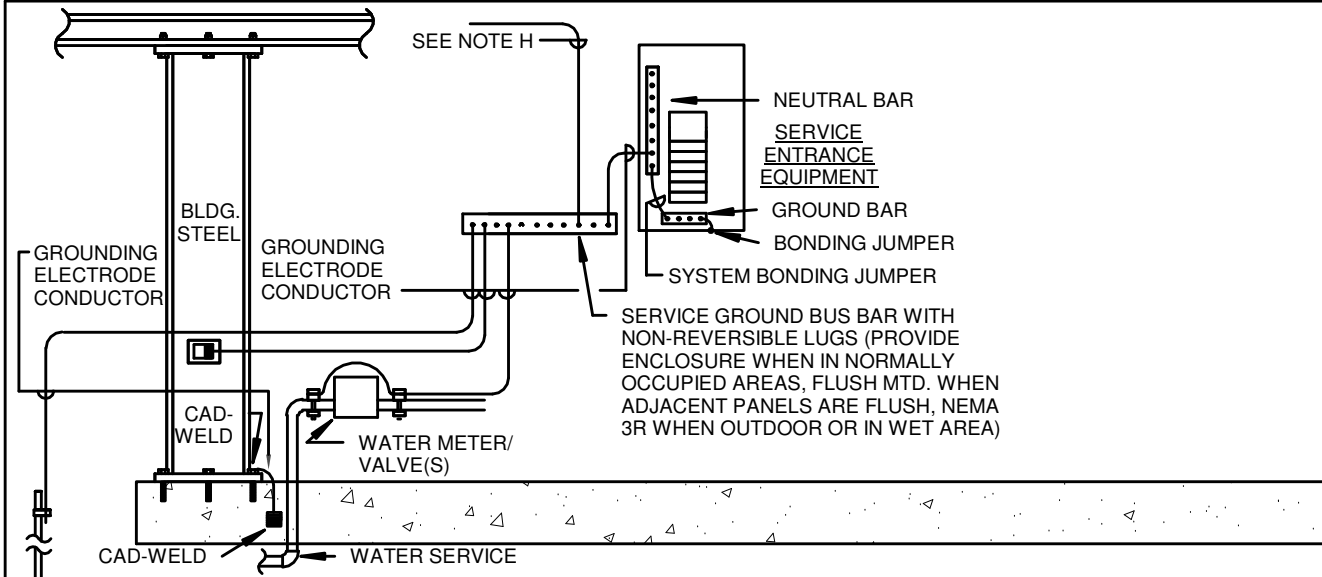
3 EMPLOYEE ROOM DESK ELEVATION
SCALE: NONE



GROUP TOILETS/RESTROOMS

- GENERAL NOTES:
- PROVIDE LOCAL DISCONNECT SWITCH AT EACH EXHAUST FAN IF NOT FURNISHED BY FAN MANUFACTURER.

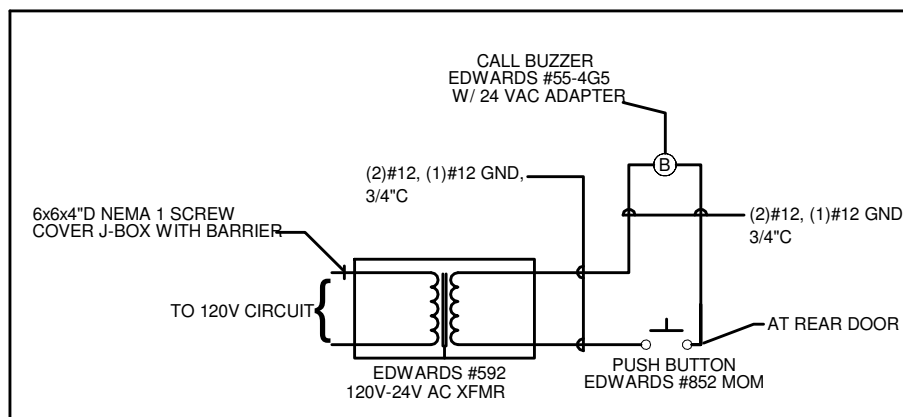
5 TYPICAL RESTROOM EXHAUST FAN CONTROL DETAIL
SCALE:



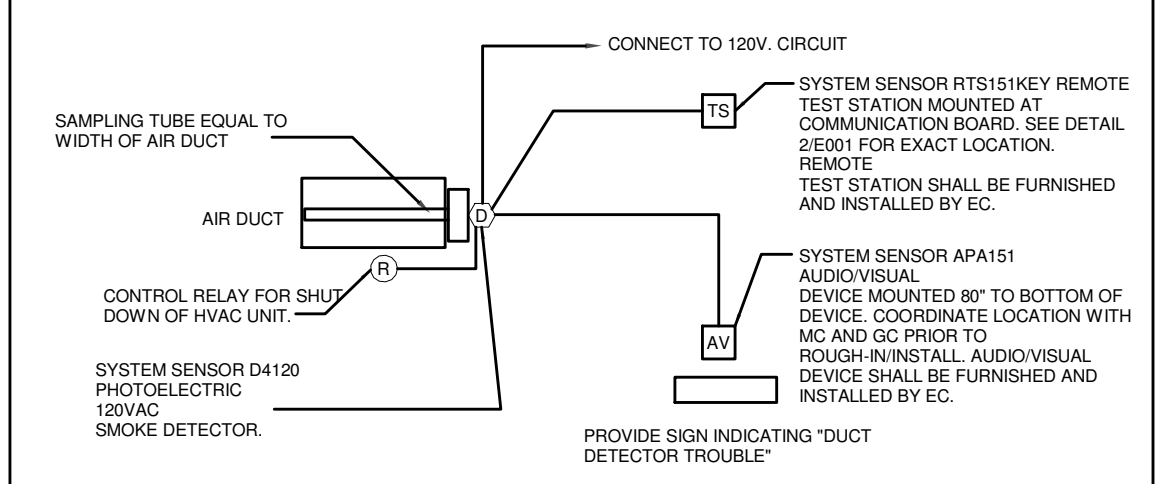
GENERAL NOTES:

- THIS DETAIL APPLIES AT EACH SERVICE ENTRANCE. REFER TO FLOOR PLANS FOR GROUND BAR LOCATIONS. IF NOT SHOWN IN PLAN VIEW, INSTALL AS CLOSE AS POSSIBLE TO SERVICE ENTRANCE EGT.
- PROVIDE ALL GROUNDING ELECTRODE CONDUCTORS PER NEC TABLE 250.68 UNLESS NOTED OTHERWISE.
- PROVIDE SERVICE GROUND BAR EQUAL TO EROD EQUIPMENT GROUND BAR W/INSULATORS AND BRACKET, HOLE PATTERN TYPE "CC".
- SIZE GROUND CONDUCTORS BETWEEN ROOM GROUND BARS AS GROUND ELECTRODE CONDUCTORS.
- SIZE ALL BONDING JUMPERS PER NEC TABLE 250.122 UNLESS NOTED OTHERWISE.
- PROVIDE ALL WORK COMPLIANT WITH APPLICABLE REQUIREMENTS OF ARTICLE 250 OF NFPA 70.
- COORDINATE WITH ELECTRICAL INSPECTOR, MODIFY SPECIFIC MEANS & METHODS IF SO DIRECTED.
- COORDINATE WITH WORK OF ALL CONSTRUCTION DIVISIONS.
- IN ADDITION TO WORK SHOWN IN DETAIL, PROVIDE BONDING JUMPERS FROM SERVICE GROUND BAR TO NATURAL GAS PIPING, WATER PIPING, DUCTWORK, AIR-DUCT EGT., WATER HEATERS, MISC. PIPING, ETC. AS APPLICABLE TO THE PROJECT AND COMPLIANT WITH NFPA 70 (INCLUDING ARTICLE 250).

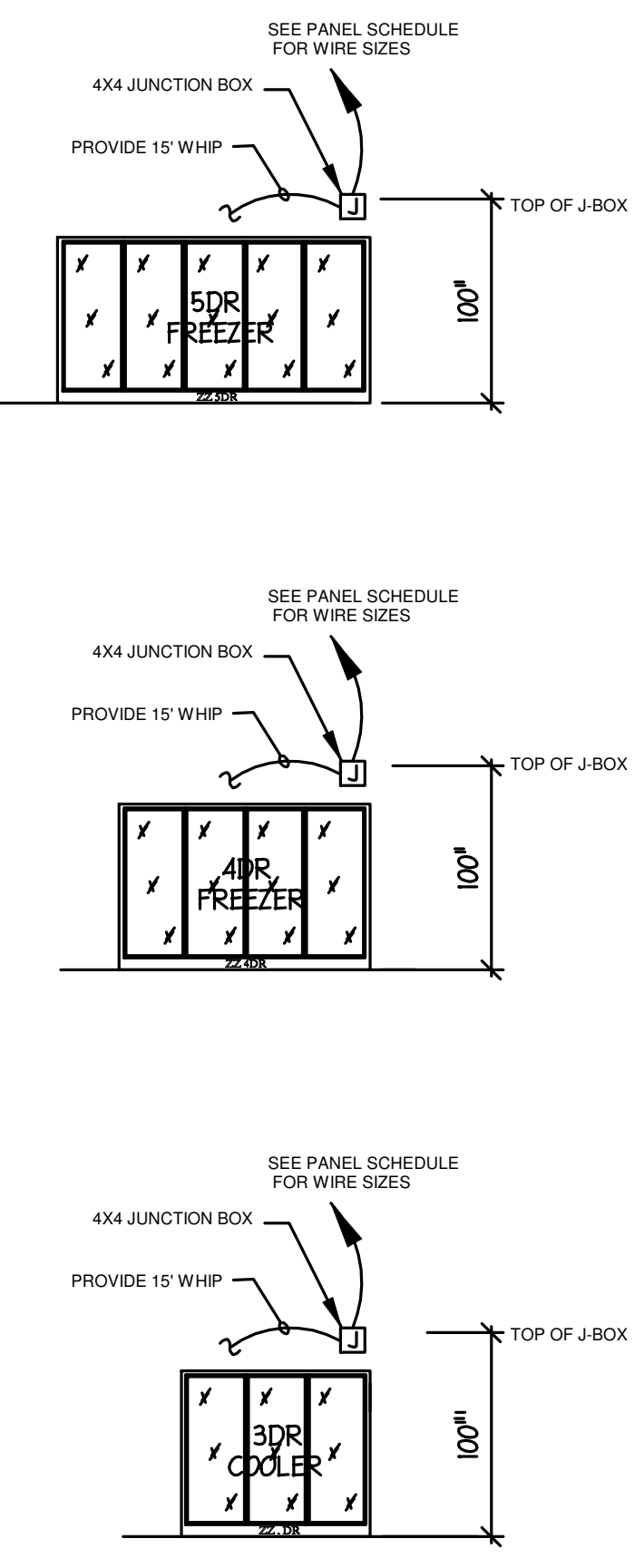
260526.00-01 - GROUND DETAIL - SERVICE
SCALE: NONE



10 BUZZER SCHEMATIC
SCALE:

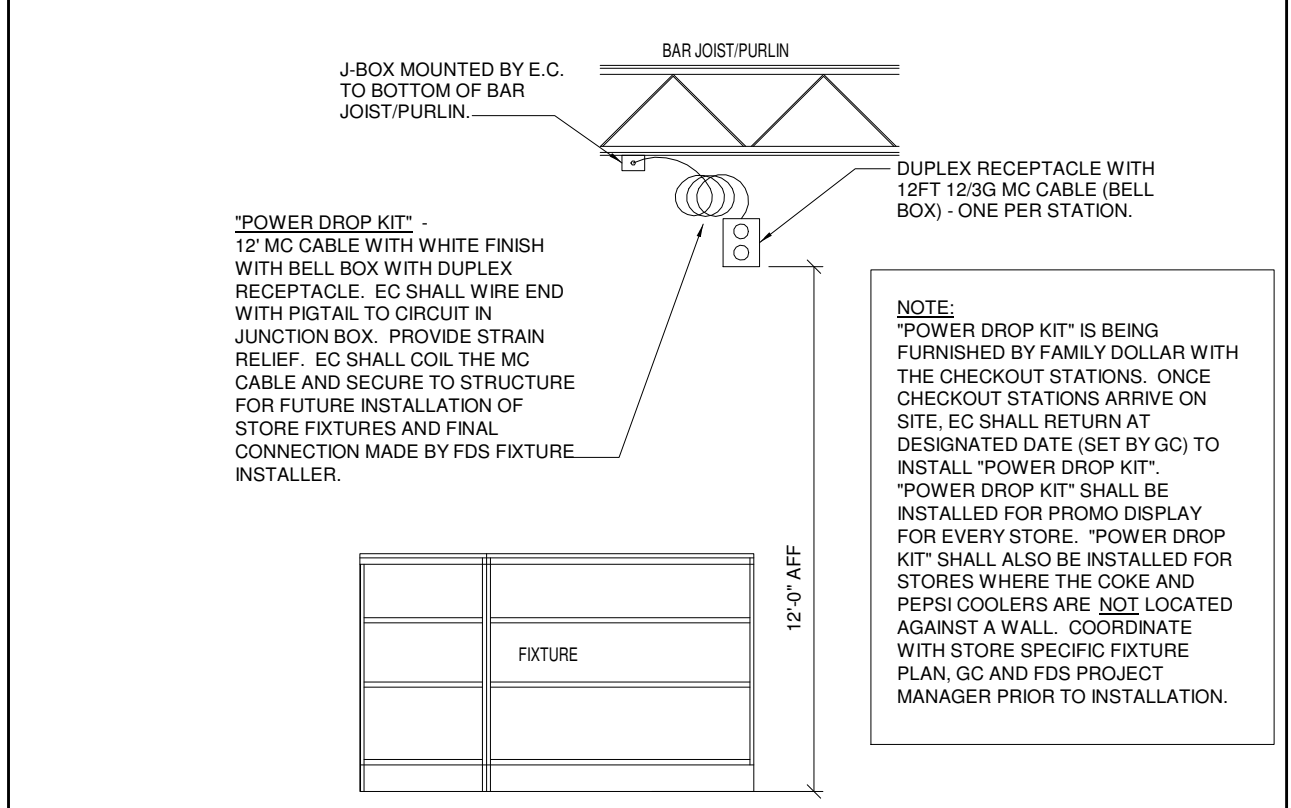


9 DUCT DETECTOR MOUNTING DETAIL
SCALE:

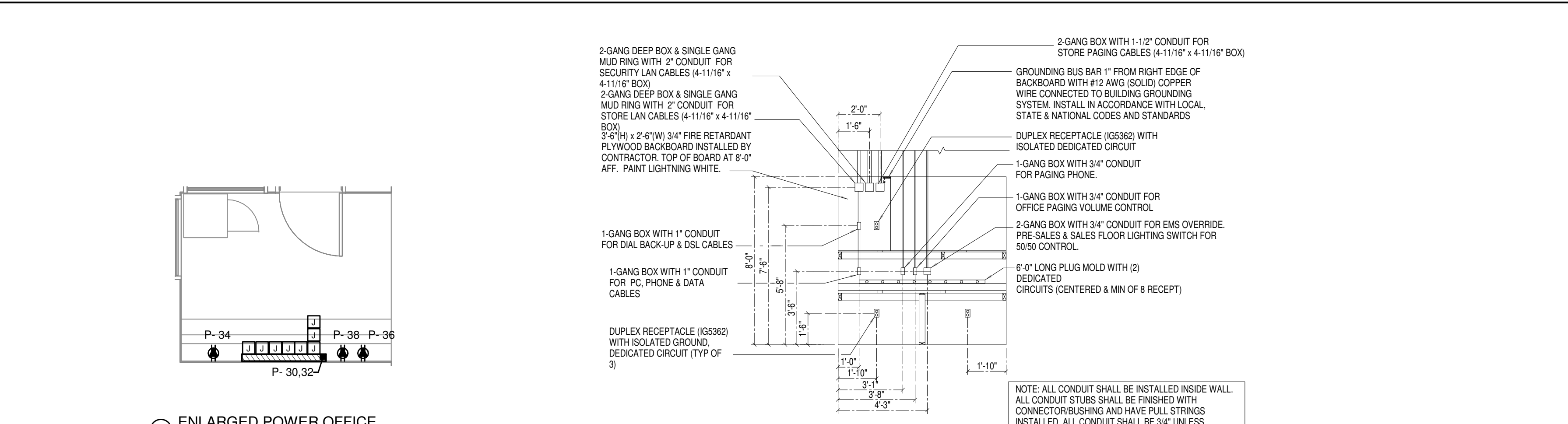


NOTE:
EACH REFRIGERATION CASE
REQUIRES A DEDICATED NEUTRAL.
NO EXCEPTIONS PERMITTED.

8 COOLER/FREEZER CASES INSTALLATION DETAIL
SCALE:



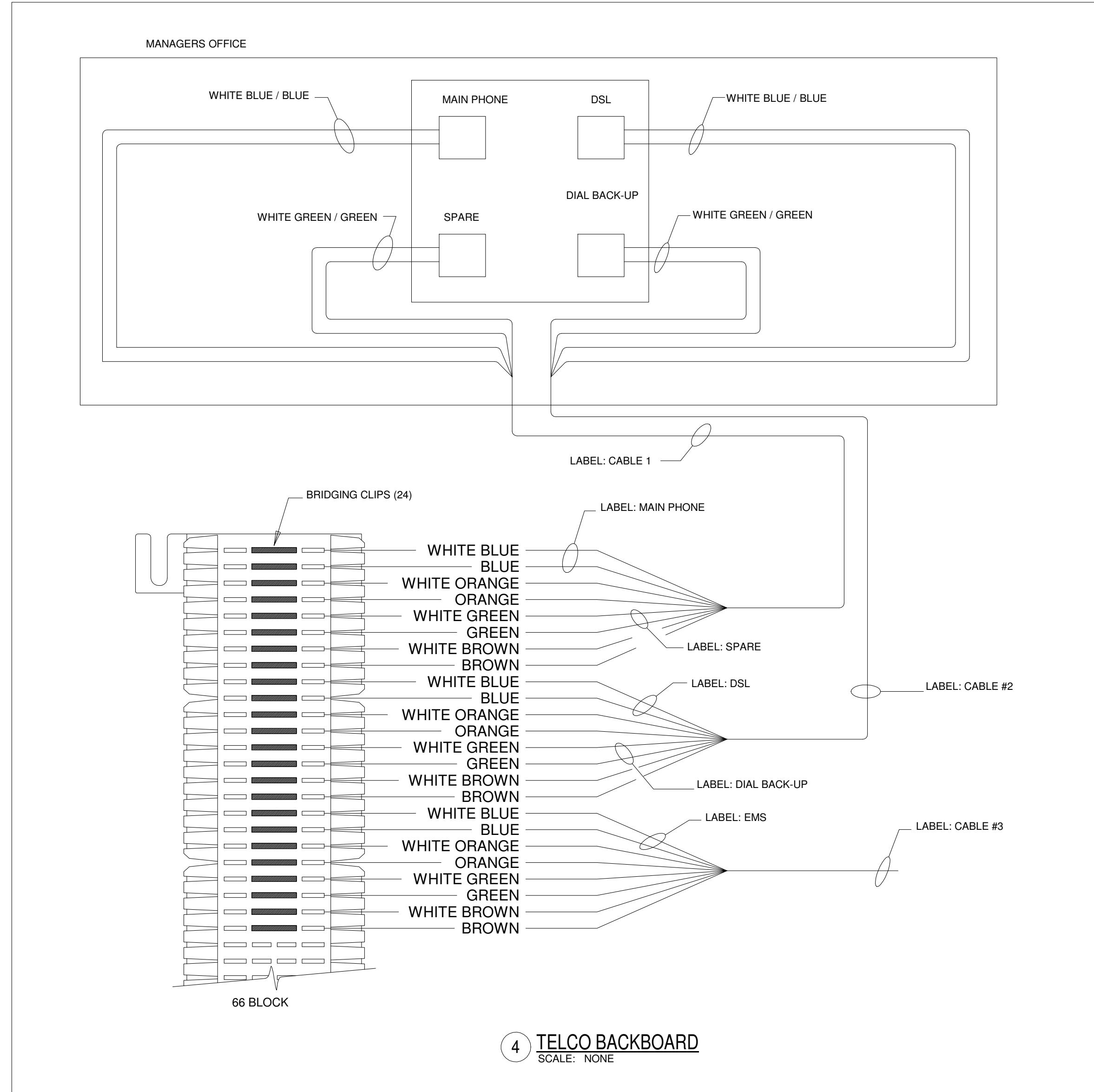
7 "POWER DROP KIT" INSTALLATION DETAIL
SCALE:



8 ENLARGED POWER OFFICE
1/4\"/>

ELECTRICAL AND DATA

2 ENLARGED OFFICE ELEVATION POWER PLAN
SCALE: NONE



4 TELCO BACKBOARD
SCALE: NONE

Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10]†	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
9.4.1.3 [EL1]†	Automatic controls to shut off all building lighting.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
9.4.1.2 [EL2]†	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
9.4.1.3 [EL11]†	Parking garage lighting is equipped with required lighting controls and daylight transition zone lighting.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
9.4.1.4 [EL12]†	Primary sighted areas >= 250 ft2 are equipped with required lighting controls.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Retail spaces.
9.4.1.5 [EL13]†	Enclosed spaces with daylight area under skylights and rooftop monitors >900 ft2 are equipped with required lighting controls.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
9.4.1.6 [EL4]†	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
9.4.2 [EL5]†	Exit signs do not exceed 5 watts per face.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
9.6.2 [EL8]†	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☒ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: FORMER ENTERTAINMENT Report date: 03/21/23
Data filename: Page: 4 of 5

Project Title: FORMER ENTERTAINMENT Report date: 03/21/23
 Data filename: Page 5 of 5

PROJECT

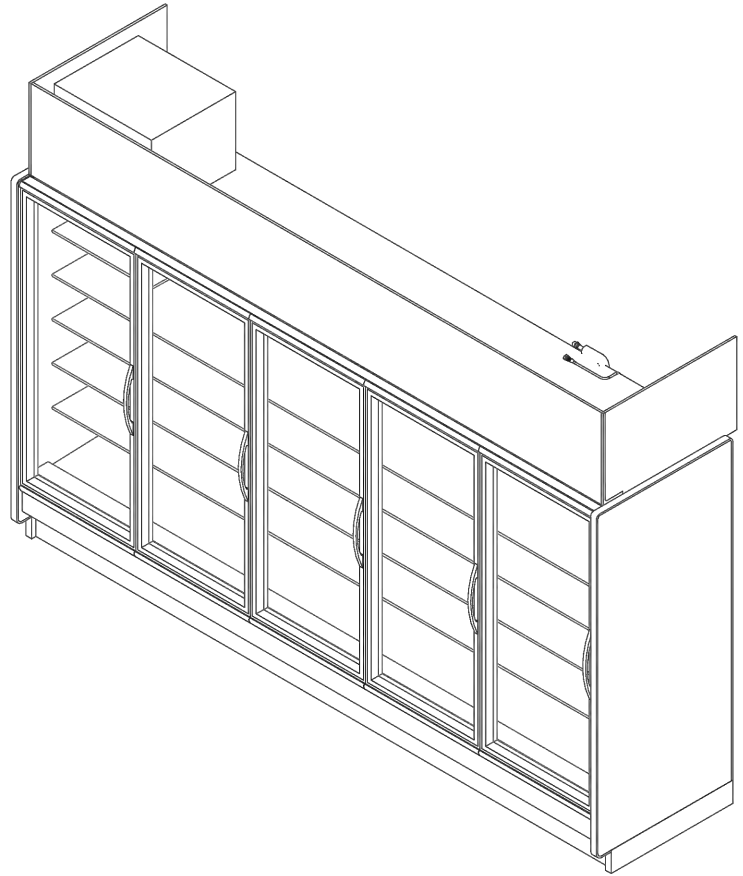
REACH-IN FREEZER/COOLER UNIT

JNRBHSA

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/R448A condensing unit configuration.
- 2, 3, 4 & 5 door lengths available in 208V R404A/R448A condensing unit configuration.



SHIPPING WEIGHT	Case	Weight
JNRBHSA	---	---



ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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

JNRBHSA (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)	Discharge Air (°F)	Set Point Differential (°F)	Discharge Air Velocity (FPM)
2 - 5 Door	Beverage	6 - 9	35	6	230
2 - 5 Door	Dairy	6 - 9	30	6	230
2 - 5 Door	Deli	6 - 8	29	6	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.



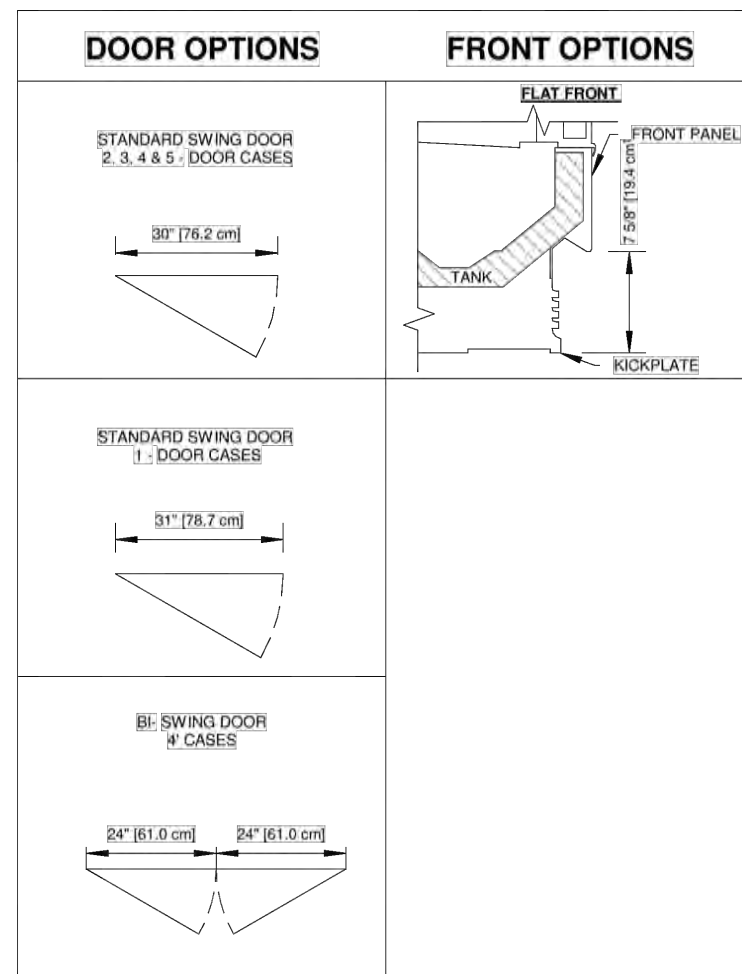
ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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

JNRBHSA

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

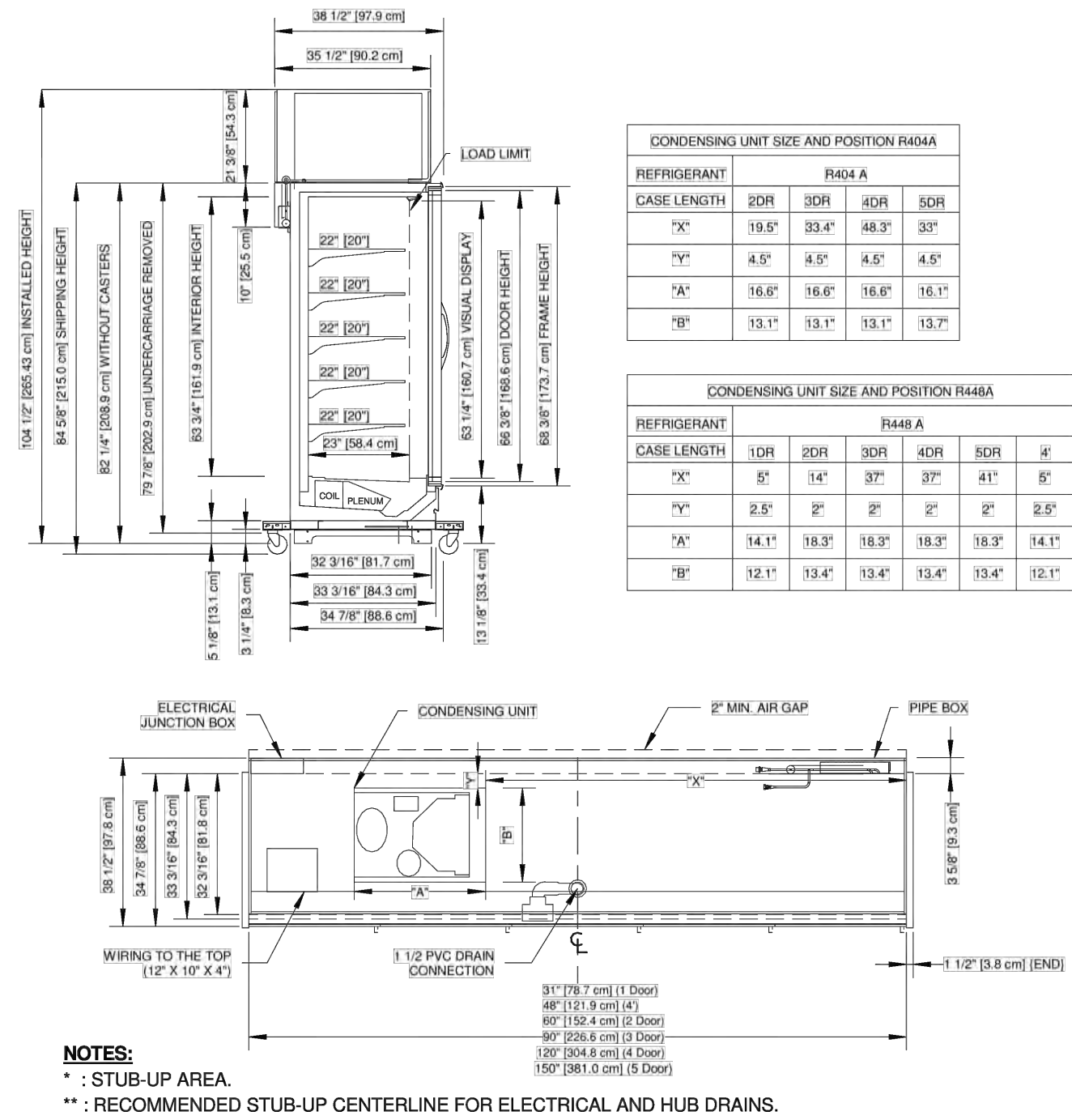
ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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



REACH-IN FREEZER/COOLER SHEET 3 OF 8

JNRBHSA

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

NOTES:

- STUB-UP AREA
- RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS.

- Specialized Base Frame:
- Case fits through 80" doorway with shipping undercarriage removed.
- 2" lifting brackets (installed) & 3.25" ship loose risers combine for 5" baseframe once installed.
- Drain traps ship loose.
- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.



ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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



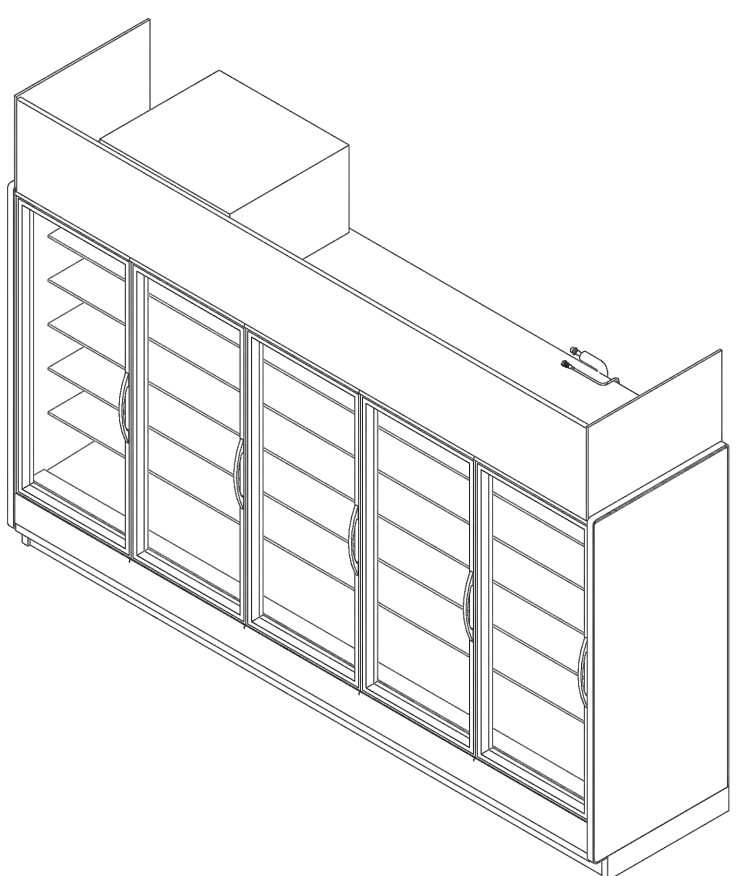
REACH-IN FREEZER/COOLER SHEET 4 OF 6

JNRZHSA

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
JNRZHSA	---	---



ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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

JNRZHSA (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	29.8	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 (°F)	Discharge Air Velocity (FPM)
2 Door	3 - 5	6	-9	300
3 Door	3 - 5	6	-9	300
4 Door	3 - 5	6	-9	300
5 Door	3 - 5	6	-9	300

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)	Electric Defrost	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.



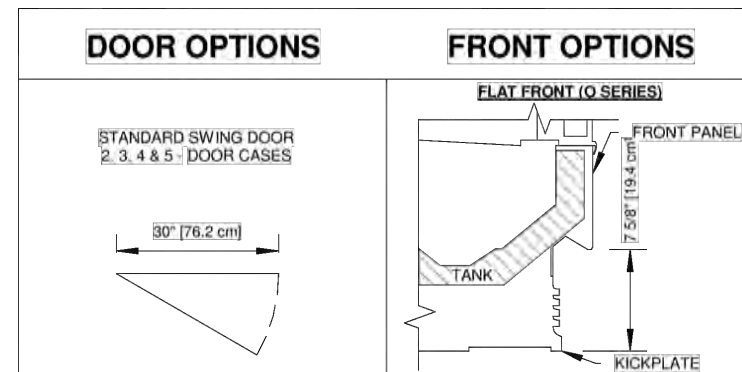
ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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



REACH-IN FREEZER/COOLER SHEET 6 OF 8

JNRZHSA

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

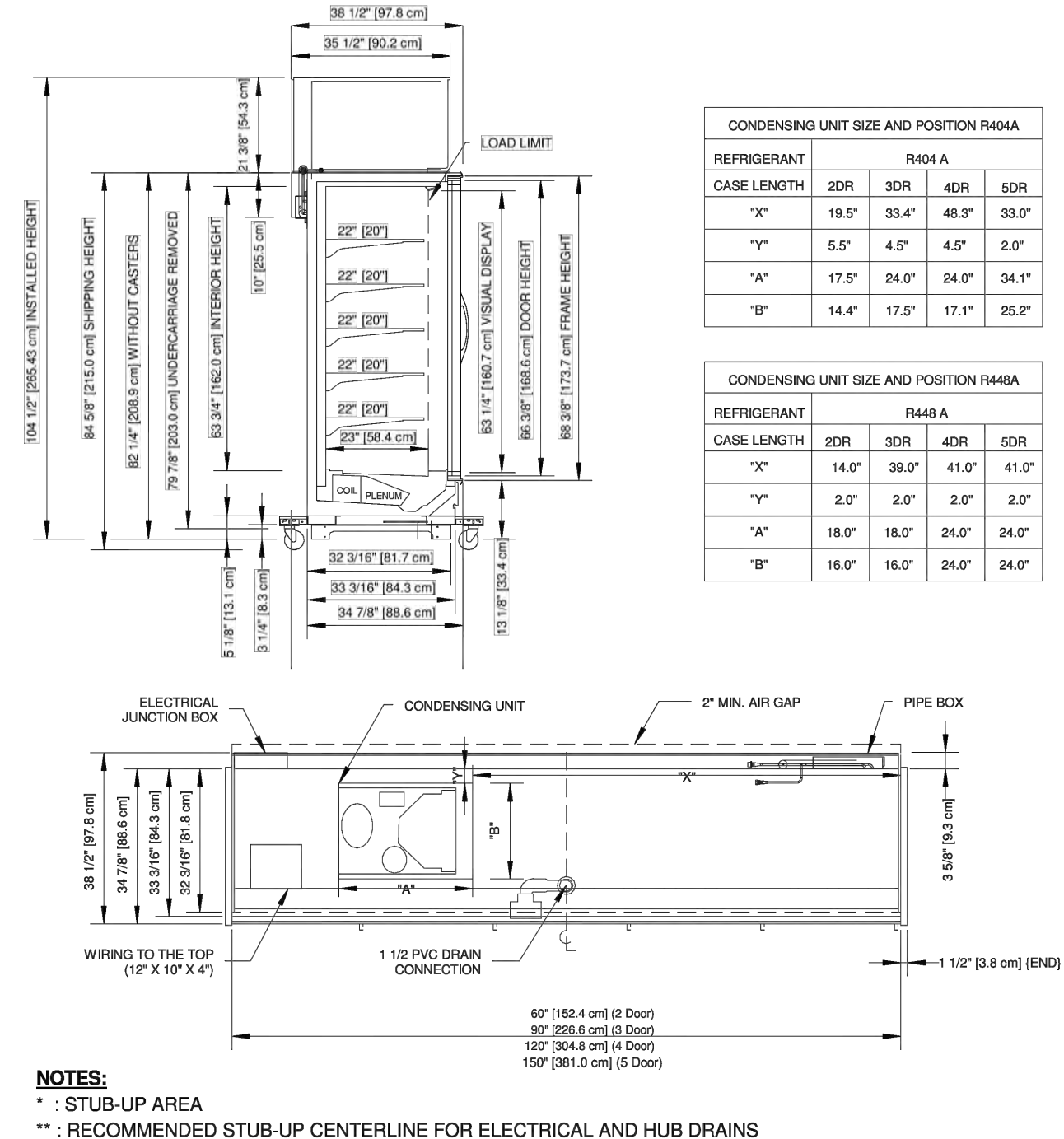
ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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

JNRZHSA

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

NOTES:

- STUB-UP AREA
- RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS

- Specialized Base Frame.
- Case fits through 80" doorway with shipping undercarriage removed.
- 2" lifting brackets (installed) & 3.25" ship loose risers combine for 5" baseframe once installed.
- Drain traps ship loose.
- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.



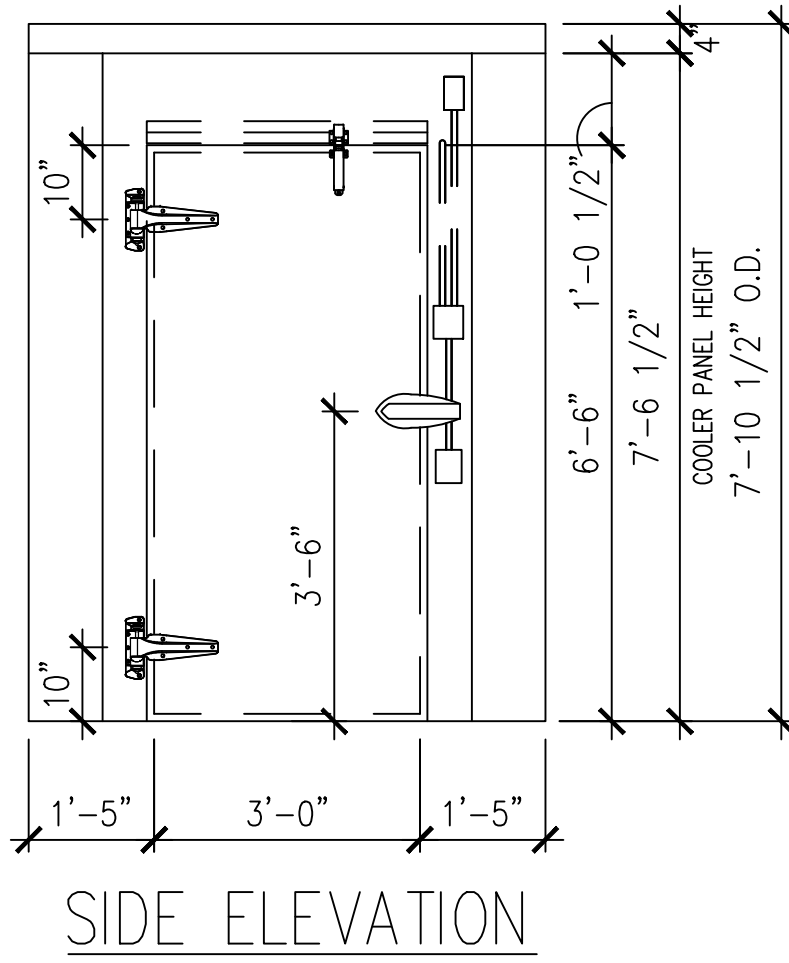
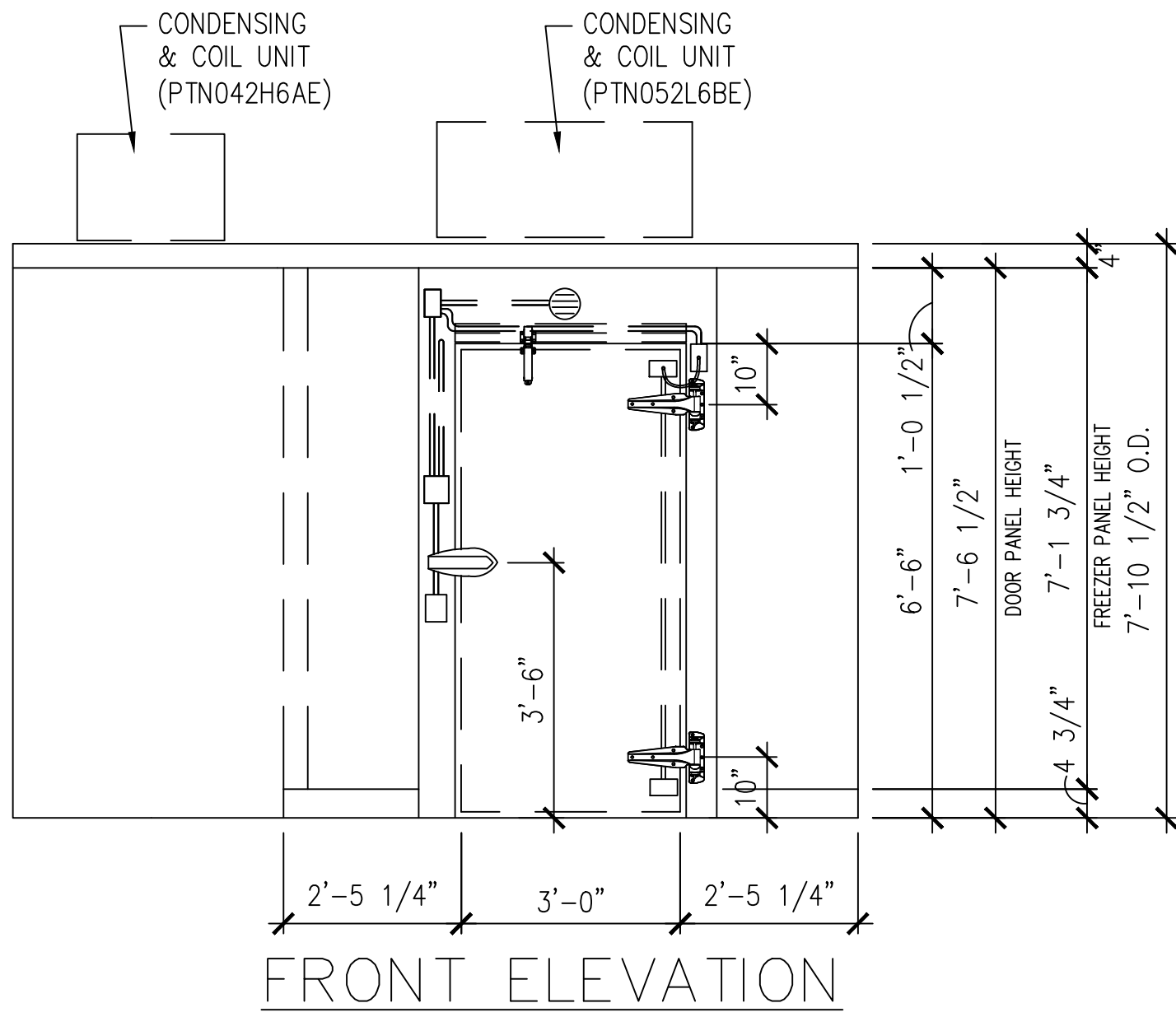
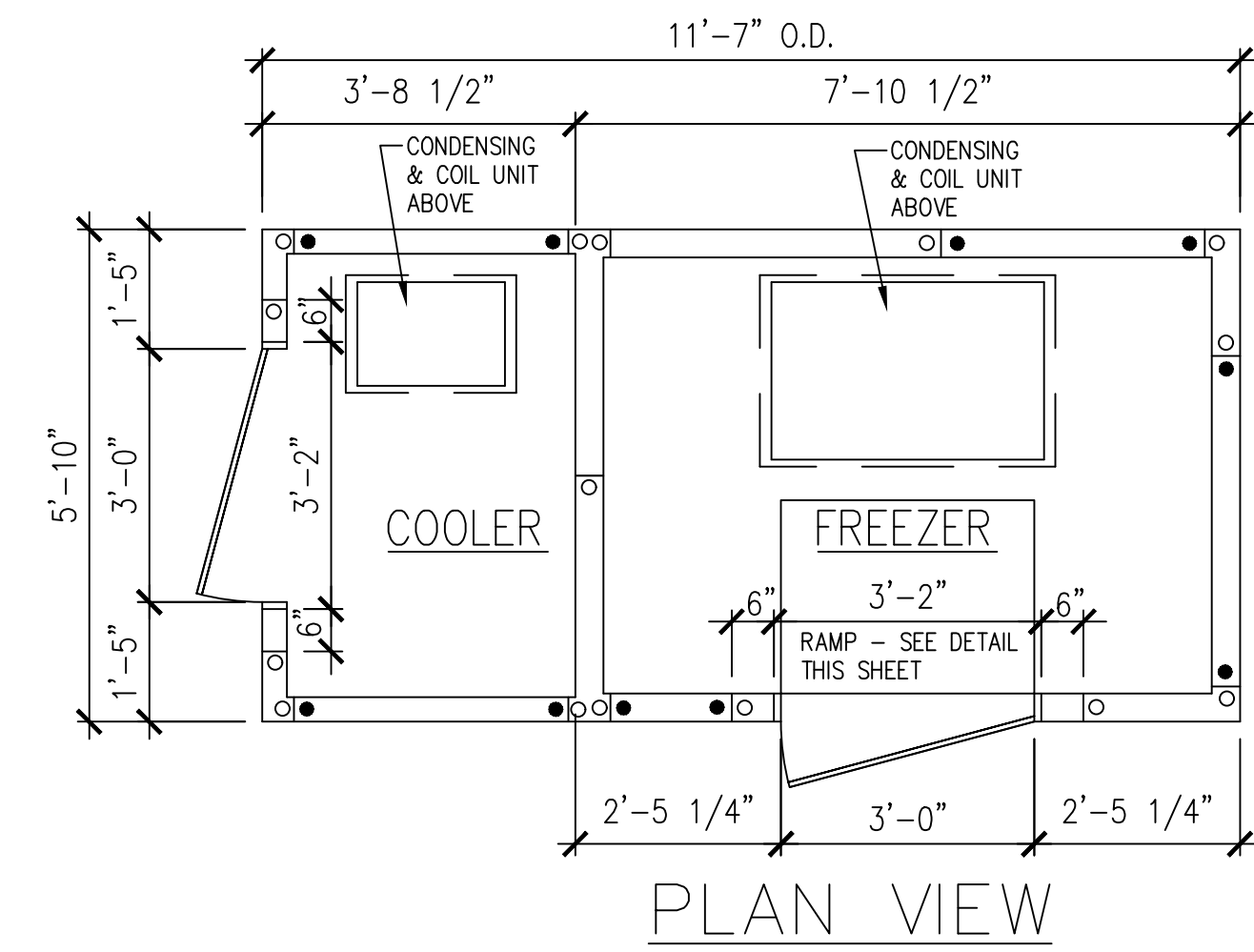
ALL MEASUREMENTS ARE TAKEN PER ASHRAE 72-2005 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

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



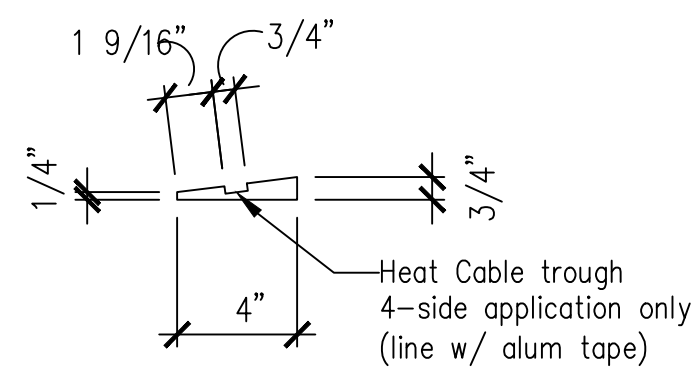
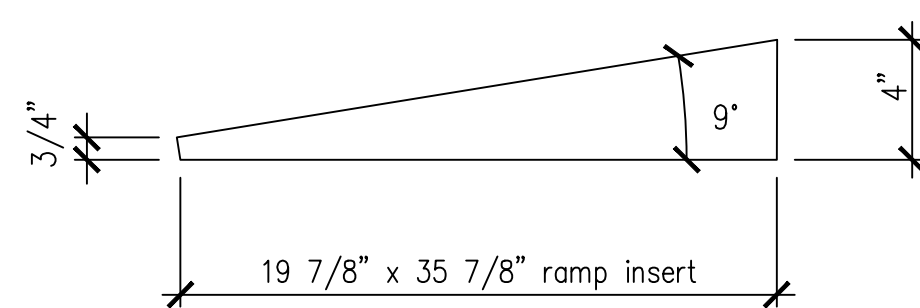
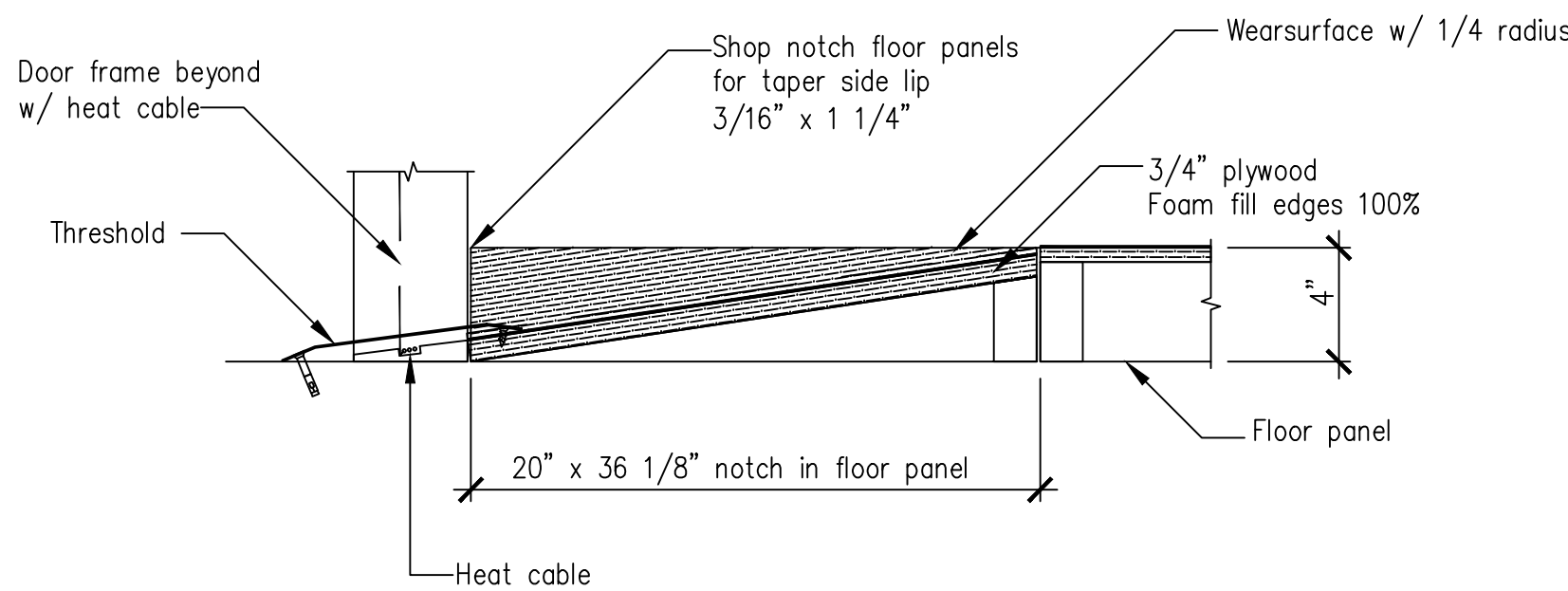
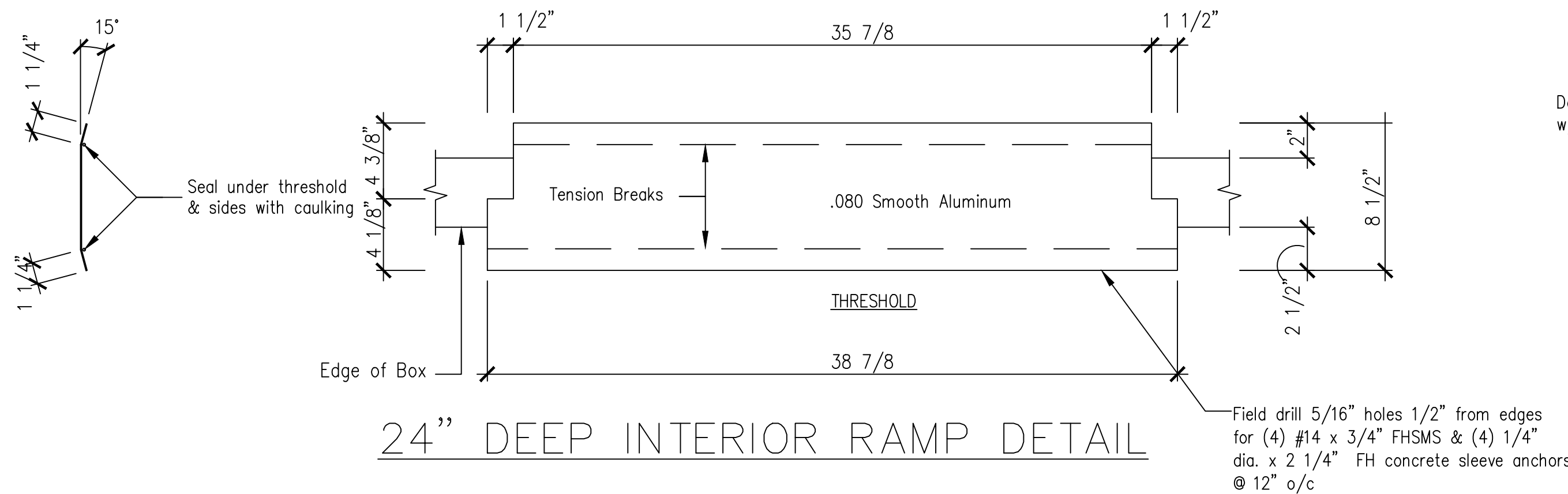
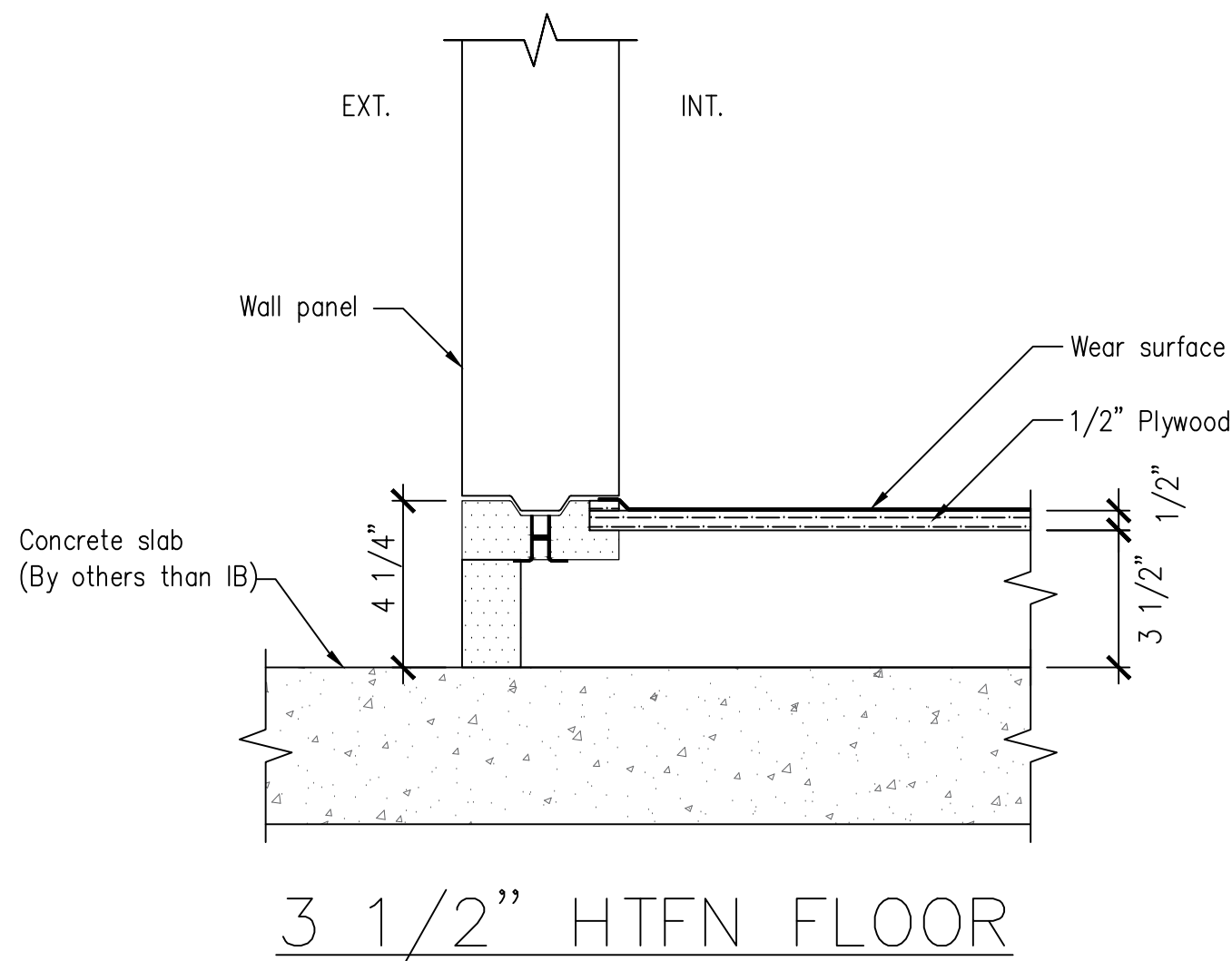
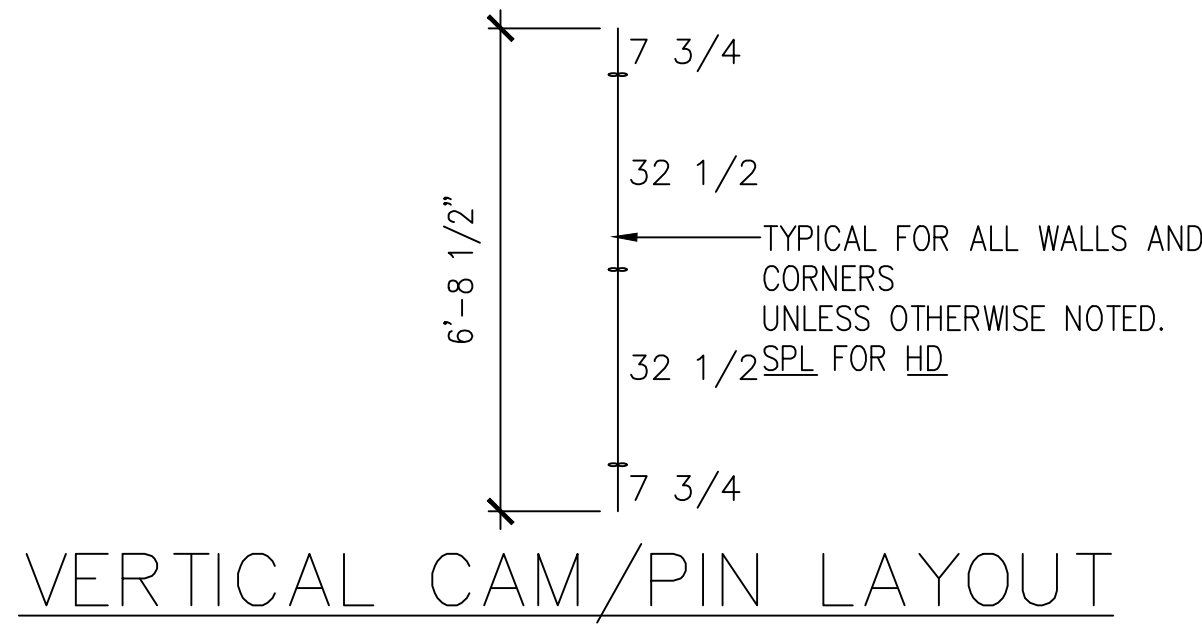
REACH-IN FREEZER/COOLER SHEET 8 OF 8

NSF LABEL
N.S.F. LISTED (STD #7)
N.S.F. GASKET @ ALL PANEL JOINTS



Allow 2 feet clearance above refig. unit to remove top panel and to allow service access.

NOTE:
Packaged refrigeration systems need proper ventilation to operate correctly. A minimum of 1,000 cfm per compressor horsepower of make up air and exhaust air is required for proper cooling. Failing to provide adequate ventilation can cause premature compressor failure and may void compressor warranty. Contact manufacturer for additional details.



SPECIFICATIONS
Indoor freezer (with floor)
Vinyl NSF gasket (1/16" joint thickness), Cam-lock layout SN1

SPECIAL INSTRUCTIONS
Standard crating

WALL PANELS
Construction: 4" urethane
Exterior Finish: Stucco galvalume
Interior Finish: Stucco galvalume
Ceiling connections: Camlock
Floor connections: Camlock

CEILING PANELS
Construction: 4" high density urethane
Exterior Finish: Metal
Interior Finish: Stucco galvalume
Ceiling Caps: Factory mounted
Live Load: 10 psf

FLOOR PANELS
Model: Hand-Truck Floor panels model #HTFN (NSF)
Construction: 3 1/2" high density urethane
w/ .063 aluminum diamond tread (low profile) @ interior
over 1/2" plywood
w/ Metal @ exterior

DOORS
[A] 36" x 75 1/4" flush model G3 self-closing freezer door
*** ELECTRICAL COMPONENTS PRE-WIRED ***
Frame: 4" high density urethane, 3-sided
w/ Stucco galvalume both sides
w/ 24 ga. stainless steel 430 (magnetic) liners
w/ 4-sided heat cable in frame [FL-4-116W]
(24'-11 1/2" x 5 ohms/ft (125 total ohms) @ 4.7 watts/ft + Pepi - 120V, 1A)
Leaf: 4" thick, 3-side lap, raised 1/4"
w/ Stucco galvalume both sides
w/ Magnetic gasket
(2) Component Hardware #W59 spring assisted adjustable hinge
(1) Kason #1229 handle only
(1) Kason #1094 hydraulic door closer
(1) Weiss XWA11V temperature monitor w/ external buzzer
(2) Terminal J-box @ int.
(1) Kason 1832 heated air vent (23W, 120V, .2A)
(1) .080 smooth aluminum threshold for interior ramp

REFRIGERATION
(1) ea. Freezer - Indoor R404a self-contained system
7059 BTU/H @ 10°F TD with 14.7 hr runtime @ -10°F inside/95°F outside room
95°F @ cond. unit, 1289ft altitude
(1) Climate Control R404a air cooled self contained unit #PTN052L6BE
208-230V/1ø/60Hz/3HP Pro3 compressor
MCA=24, MOPD =30
42W x 52D x 19H x 280lbs.
Opening: 25W x 38.5D

NOTES
Meets 2009 Federal Energy Independence and Security Act Requirements.

STANDARD NOTES
1. To prevent condensation, a minimum 2" from the walk-in exterior surface is required. High humidity conditions may require force ventilation in addition to clearance.
2. Installation site floor must be true and level within 3/16" per 10' or additional costs may be incurred.
3. Imperial Brown's sliding and vertical lift doors shall not be considered means of egress. Check code egress requirements for your application.

ELECTRICAL
Field electrician to verify maximum acceptable load for light switches.If load is too high, then relay type controls should be used.
After wiring devices, ALL conduits must be sealed to stop moisture transfer through electrical raceways.
Failure to seal device per NEC codes WILL VOID WARRANTY.

REVISIONS
01 05/22/2019 process order

DESCRIPTION	BY	DATE	REVISIONS

DATE	02/24/2023	BE	BE
PROJECT	0019.30		
DRAWN	CHECKED		

BEA
BRIANEADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF BRIANEADY ARCHITECTS. NO PART OF THIS DRAWING OR SPECIFICATION MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BRIANEADY ARCHITECTS.

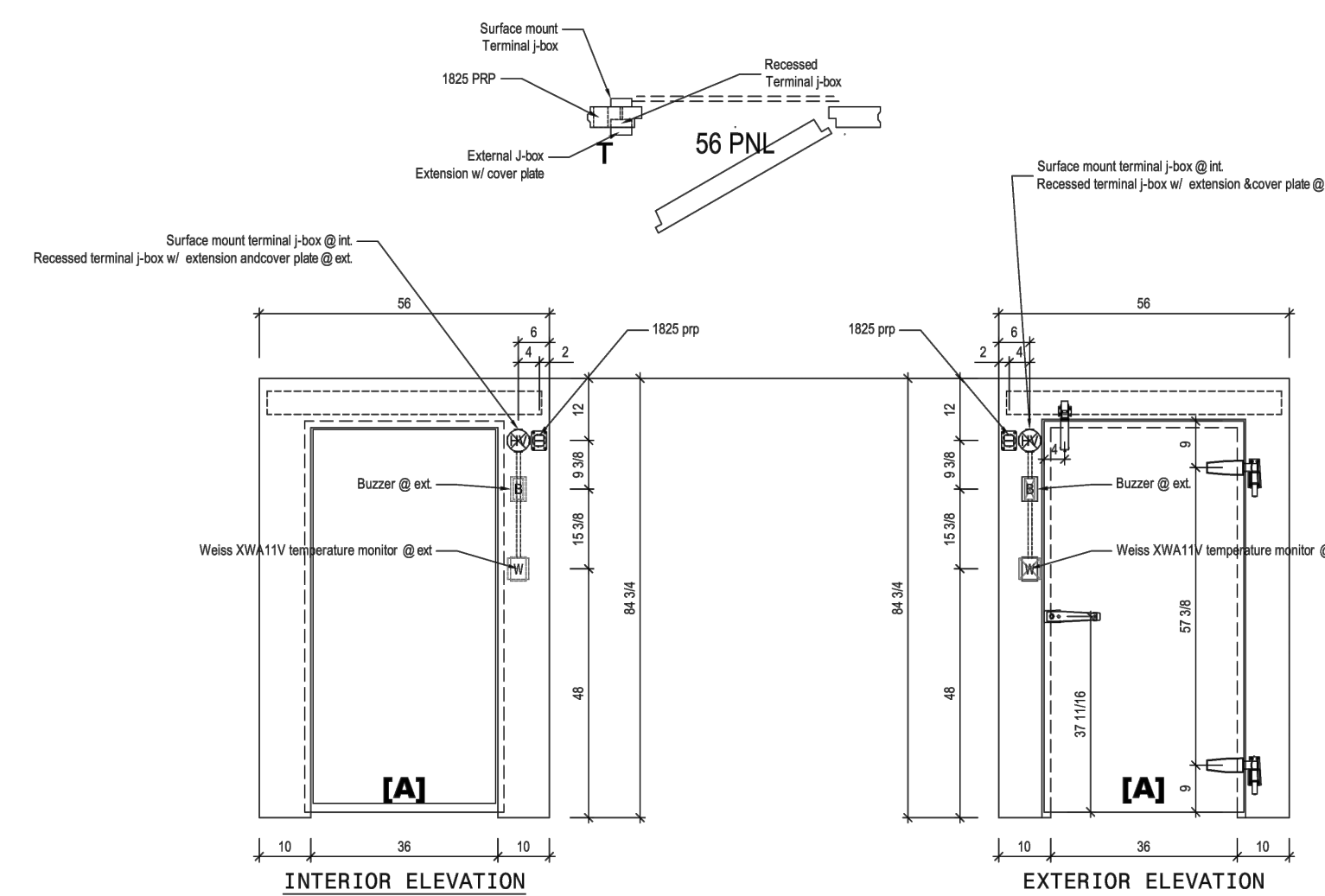
FOR INFORMATION ONLY
NO SIGNATURE
REQUIRED

DOLLAR TREE
FORMER ENTERTAINMENT
30830 LAKESHORE BLVD. WILLOWICK, OH 44095
REACH-IN UNIT DETAILS AND SPECIFICATIONS

PROJECT
DRAWING

SHEET
DS2

FOR REFERENCE ONLY



Imperial BROWN

Serial # Mfg. Date **19-IB-31168-01A** | **7/22/2019**

DOOR PANEL ASSEMBLY
(Electrical Components)

Model #: **FL-4-11.6W**
120 VAC - 60Hz -1.04 A

This door is designed and certified for use in walk-in freezer applications (#SW1-L4.0-036x075-2000011.IB)

WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

For installation manuals, warranty information and other resources regarding this product, just snap the QR Code or visit:

www.imperialbrown.com

MANUFACTURED BY
IMPERIAL BROWN (Mid-West Division)
2115 West Main Street - Prague, OK 74864
405-567-1960

LEDIA 莱帝亚照明
Guangzhou LEDIA Lighting Technology Co., Ltd.
Tel: +86 (20) 3770 6055 E-mail: sales@ledialighting.com
Factory address: No.1 Xian Ke 1st road, Huadong Town, Huadu Dist., Guangzhou, China
www.ledialighting.com

Specification

LED Vapor Tight Light

Item No. LD-TL-B024
LD-TL-B030
LD-TL-B040
LD-TL-B050
LD-TL-B060

NOTES:

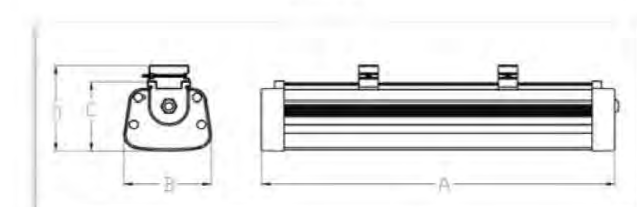
- This specification for our regular product specifications.
- The right of final interpretation of this specification to Guangzhou LEDIA Lighting Technology Co., Ltd.



Close View



Outlook



Dimensions

LEDIA 莱帝亚照明
Guangzhou LEDIA Lighting Technology Co., Ltd.
Tel: +86 (20) 3770 6055 E-mail: sales@ledialighting.com
Factory address: No.1 Xian Ke 1st road, Huadong Town, Huadu Dist., Guangzhou, China
www.ledialighting.com

PRODUCT DESCRIPTION	FEATURES	COMPONENTS	DIMMING
- LED T8-proof light or LED Tight Vapor Light - Even light distribution, no glare - Waterproof, dustproof and corrosion-proof, can be applied in tough industrial environment that is corrosive, dusted, damp or rainy. - Perfect to apply in: supermarkets, warehouses, parking lots, bus stops, power plants, steel plants, petroleum plants, ship yards, subways, etc.	120° wide beam angle - High efficacy - Frosted cover: 105lm/W - Clear cover: 115lm/W - IP65 - High lumen maintenance: 80% @36,000 hours - Aluminum main part, good for heat dissipation - Flexible installation: suspended or surface mounted	- LEDs: SM5028S35(M85) 8063 Aluminum heat sink, housing and side caps - Polycarbonate cover (Frosted/Clear) - Fluorinated coating of Polycarbonate cover: UL94-V2 - Internal isolated driver	- Protocol of PWM 0-10V dimming (optional)

Specification

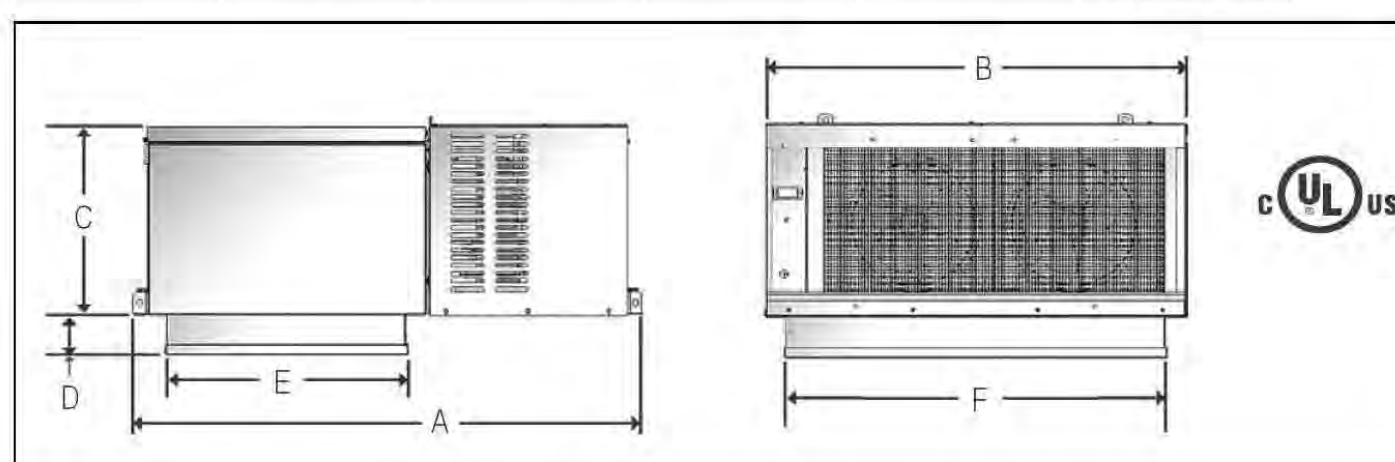
	Spec	LD-TL-16034-BV/24V RD-90W	LD-TL-18035-BV/24V RD-90W	LD-TL-20036-BV/24V RD-90W	LD-TL-26038-BV/24V RD-90W	LD-TL-35630-BV/24V RD-90W
General performance	Lumen	2400/2760	3000/3450	4000/4600	5000/5750	6000/6900
	Output(lm)/Frosted/Clear					
	Efficacy (lm/W)/Frosted/Clear	100/115	100/115	100/115	100/115	100/115
	Color Temperature CCT	2800-3000K/3800-4500K/5000-6500K				
	Lumen Maintenance (L70)	>50,000 hours				
Electrical	Color Rendering index (CRI)	>80				
	Beam Angle	120°				
	Power Consumption	24W	30W	40W	50W	60W
	Power Factor	>0.9				
	Input Voltage (V)	120/277V/100-240VAC				
Packing info	Product Dimension(mm)	602x96x33mm (2IN/1.200x3.66x0.33mm (4IN)				
	Net Weight/PCS	1.2	1.2	2.1	2.1	2.1
	Package Dimension (mm)	712x427x267		1312x427x267		
	Qty/Carton			6pcs/CTN		
	Gross Weight/Carton	8		14		
Others	Material	Aluminum + Polycarbonate				
	Operating Temperature	-20°C to 40°C				
	Humidity	10%- 90% RH, non condensing				
	Installation	1) Suspended 2) Surface mounted				

	A Brand of Heatcraft Refrigeration Products		PTN052L6BE
	2175 West Park Place Boulevard		
	Stone Mountain, GA 30087		
	800.537.7775		
	www.larkinproducts.com		
Project:	Dollar Tree Stores	QUOTATION:	
Location:	Various	Submitted by: Mike S. Jarrell	
Customer:		DATE: 7/9/2015	
Identify #:		☒ For Record By: _____	
Tag:	Freezer	☐ For Approval Date: _____	

PHYSICAL & ELECTRICAL & CAPACITY DATA

REFRIGERANT	EVAPORATOR CFM	POWER SUPPLY Volts / Ph / Hz	MCA ¹	MOPE	Unit Amps	NEMA Receptacle	APPROX. NET WEIGHT	Refrig. Charge (OZ)
R404A	900	208-230/1/60	18.1	20	15.3	6-20R	275	45

CAPACITY (BTUH)					
+35°F Room	+38°F Room	0°F Room	-10°F Room	-20°F Room	AMBIENT TEMP CAPACITY (BTUH) at 95°F Ambient
0	0	7000	5360	3910	



DIMENSIONS (inches)									
A	B	C	D	E	F	G	H	J	K
52	42	19	4	24.75	38.25				

DIMENSIONS (inches)									
L	M	N	P	R	S	T	U	V	W

SST = Saturated Suction Temperature

	A Brand of Heatcraft Refrigeration Products		PTN052L6BE
	2175 West Park Place Boulevard		
	Stone Mountain, GA 30087		
	800.537.7775		
	www.larkinproducts.com		
Project: Dollar Tree Stores			QUOTATION:
Location: Various			Submitted by: Mike S. Jarrell
Customer:			DATE: 7/9/2015
Identify #:			☒ For Record By: _____
Tag: Freezer			☐ For Approval Date: _____

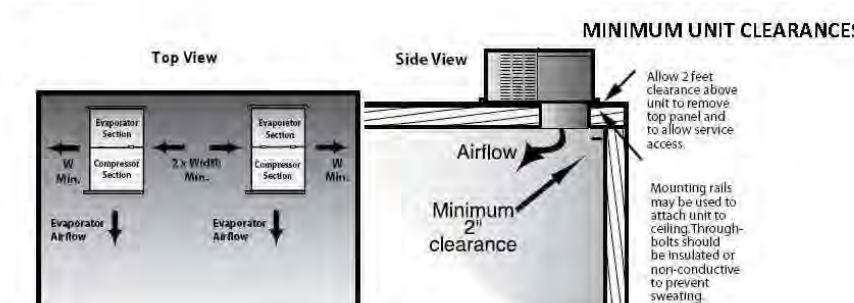
STANDARD FEATURES

- Cabinet & Construction:
 - Top mount design with evaporator grill flush to ceiling
 - Electronic controls for accurate temperature control
 - Liquid-line drier on medium and large cabinet models
 - System is factory assembled, evacuated, charged, run tested and wired - no piping or loose components to install
 - Cabinet panels are fabricated from heavy-gauge aluminum
 - 2 year product warranty
- Labeling:
 - Condensate evaporation pan - no drain line required
 - Outdoor models:
 - Weather hood
 - Crankcase heater
 - Drain line heater
 - Fan-cycling
- Fans:
 - Direct drive fan motors
 - PSC fan motor in condensing unit section
 - EC evaporator fan motor.

OPTIONS

Mounted Options: _____

Ship Loose Options: _____



DESCRIPTION

BY

MARK DATE

REVISIONS

DATE 02/24/2023

PROJECT 0019.30

DRAWN BE

CHECKED BE

BEA
BRIAN EADY ARCHITECTS
FARMINGTON HILLS, MI
BRIAN@BRIANEADYARCHITECTS.COM
586.933.3010

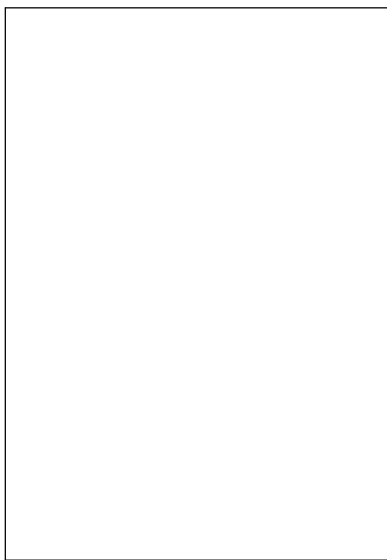
FOR INFORMATION ONLY
NO SIGNATURE
REQUIRED

DOLLAR TREE
FORMER ENTERTAINMENT
30880 LAKESHORE BLVD, WILLOWICK, OH 44095
REACH-IN UNITS DETAILS AND SPECIFICATIONS

PROJECT DRAWING

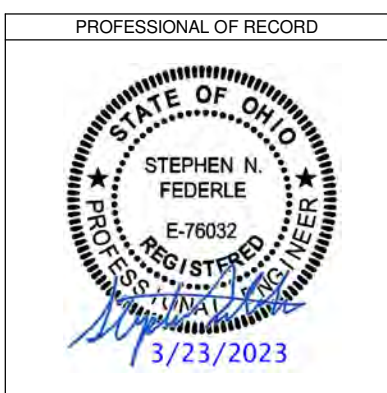
SHEET

DS3



DESCRIPTION			
BY			
MARK			
REVISIONS			

02/24/2023	0010-30	RNK	LOG
DATE	PROJECT	DRAWN	CHECKED



DOLLAR TREE

FORMER ENTERTAINMENT

30930 LAKESHORE BLVD, WILLOWICK, OH 44095

EMS DETAILS

PROJECT

DRAWING

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 CO ₂ 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	CAT5 E PLENUM	WINDY CITY	# 5556140-S

ENERGY
MANAGEMENT
PLAN

EM-1 of 4

- I. **GENERAL CONTRACTOR'S RESPONSIBILITIES:**
- a. Read Cylon Retail Solutions (CRS) / Dollar Tree (DT) Documentation Package.
 - b. Review all DT drawings.
 - c. Contact Cylon Retail Solutions Inc. at (888) 211-6789 and submit a fully completed EMS Installation Survey.
 - d. 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.
 - e. EMS Commissioning dates cannot be scheduled until fully completed EMS Installation Surveys have been received and approved by the CRS National Deployment Team.
 - f. 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.
 - n. Label breaker: DO NOT TURN OFF / EMS
 - o. Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
 - p. Mount the EMS Panel adjacent to the electrical panels.
 - q. 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.
 - r. Call CRS at 888.211.6789 to verify Network Connectivity before proceeding with the EMS installation.
 - s. Install and terminate the CRS BACnet communication trunk, in a daisy chain fashion, from the EMS Panel to each of the Thermostat Controls and all other BACnet devices. (see this documentation package for requirements)
 - t. When applicable, mount the Auxiliary I/O Panel adjacent to the EMS Panel and ensure both panels are connected to the same Earth Ground.
 - u. When applicable, ensure the Auxiliary I/O panel is connected in series with the other BACnet devices on the BACnet communications trunk.
 - v. 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
 - w. When applicable, mount and terminate the CO2 Sensor as per the location specified by the DT drawings and this documentation package.
 - x. Mount and terminate the Override Button assembly as per the location specified by the DT drawings and this documentation package.
 - y. 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
 - z. 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.
 - aa. Install and wire load sides of lighting contactors for designated lighting loads and zones as required by DT and this documentation package
 - bb. Employee Zone = 40% of Sales floor and 100% of all Pre-Sales areas
 - cc. Customer Zone = Remaining 60% of Sales Floor
 - dd. Exterior Zone = Building Exterior and Parking lights
 - ee. When applicable, Daylight Zone = First two (2) rows of lights along the store-front windows.
 - ff. 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.
 - gg. When applicable, furnish and install a 3-pole, 20-amp breaker/disconnect at each Electrical Distribution Panel for each additional Phase Loss Power Monitor
 - hh. Terminate wiring as specified in this documentation package.
 - ii. Label Main Electrical Distribution Panel breaker/disconnect: DO NOT TURN OFF / PHASE FAILURE & ENERGY METER
 - iii. When applicable, label auxiliary Electrical Distribution Panel breaker/disconnect: DO NOT TURN OFF / PHASE FAILURE
 - iv. Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
 - v. 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 (Ci) = 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 18/8 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 of 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 18/2 wire, terminate the supply duct temperature sensor wire to the Thermostat module as shown in this documentation package.
 - j. Provide Electrical Contractor with roof plan layout, showing location of HVAC Units on the roof.
 - k. Provide a technician, on site, for an approximate 2-hour remote telephone checkout with CRS.
 - l. 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.
 - b. Remote system checkout with installing contractor
 - c. 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.
 - d. If any end unit (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.
 - e. CRS will issue an "EMS Check-Out Number" once all store systems are verified as operational.

KLH

ENGINEERS

MECHANICAL ELECTRICAL PLUMBING

1000 W. MAIN ST. SUITE 200
PORTLAND, ME 04106
TEL: 207.761.1234
FAX: 207.761.1235

KLH

ENGINEERS

MECHANICAL ELECTRICAL PLUMBING

1000 W. MAIN ST. SUITE 200
PORTLAND, ME 04106
TEL: 207.761.1234
FAX: 207.761.1235

DESCRIPTION		BY		MARK		DATE		REVISIONS	

02/24/2023	0013.30	RNK	LOG
DATE	PROJECT	DRAWN	CHECKED

BEA

BRIAN EADY ARCHITECTS

FARMINGTON HILLS, MI
BRIAN@BEAARCHITECTS.COM
566.933.3010

BEA

BRIAN EADY ARCHITECTS

FARMINGTON HILLS, MI
BRIAN@BEAARCHITECTS.COM
566.933.3010

PROFESSIONAL OF RECORD

STEPHEN K. FEDERLE

REGISTERED PROFESSIONAL ENGINEER

MECHANICAL ELECTRICAL PLUMBING

5/23/2023

DOLLAR TREE

FORMER ENTERTAINMENT

30930 LAKESHORE BLVD, WILLOWICK, OH 44095

EMS DETAILS

PROJECT

DRAWING

SHEET

EM-102

KLH PROJECT

25140



25 Sundial Ave - Suite 310 W
Manchester, NH 03103

DOLLAR TREE

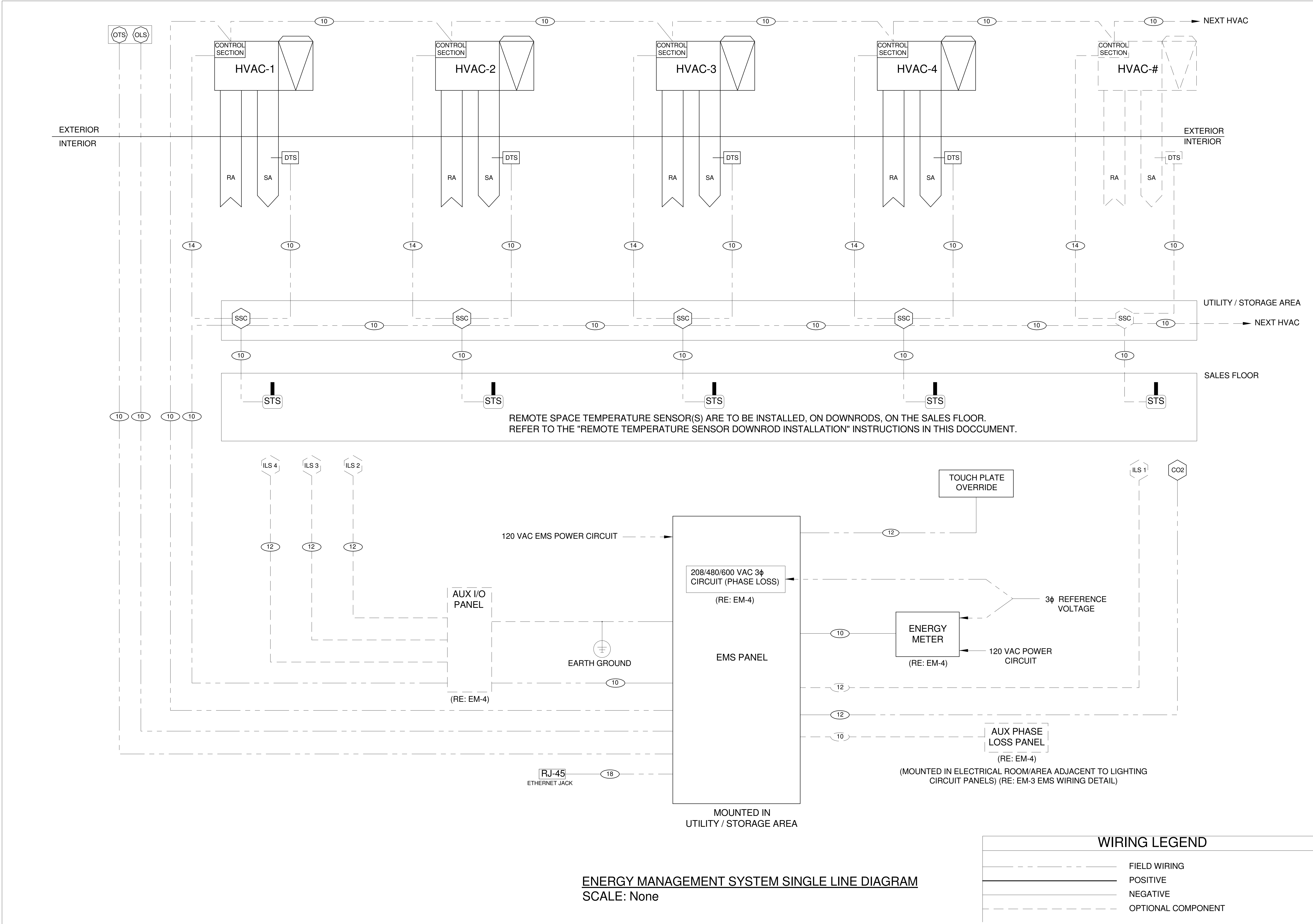
LINE DIAGRAM

(FOR REFERENCE ONLY NOT TO SCALE)

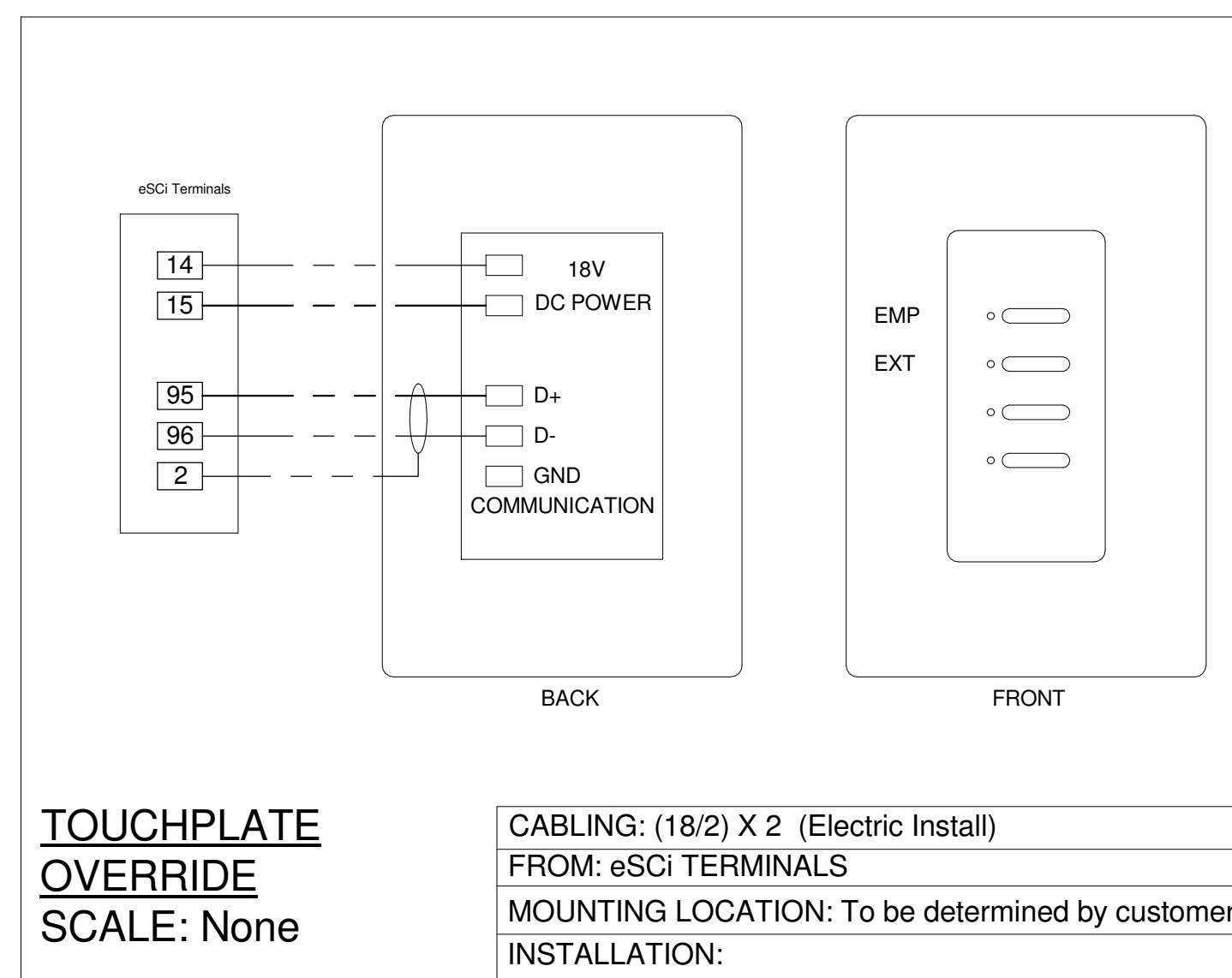
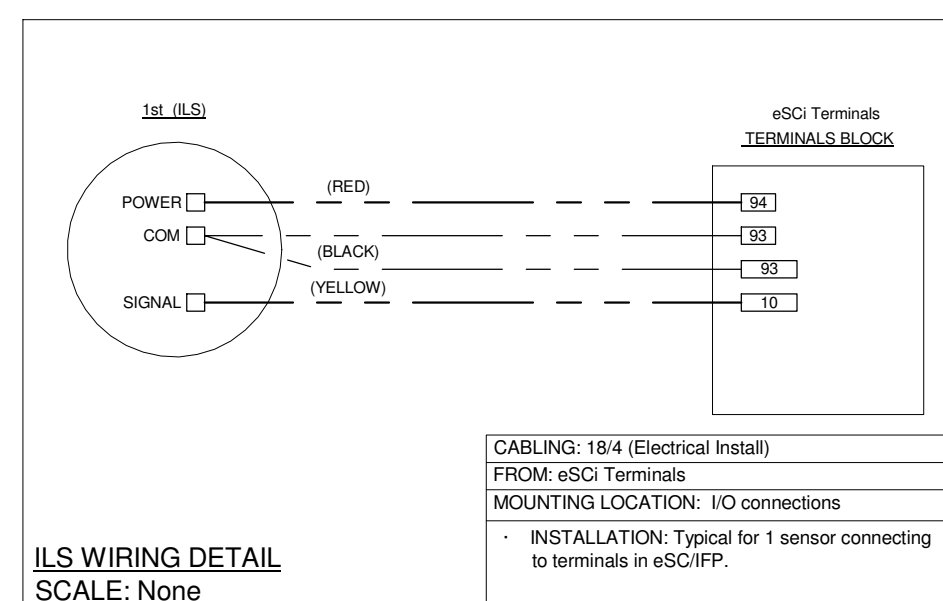
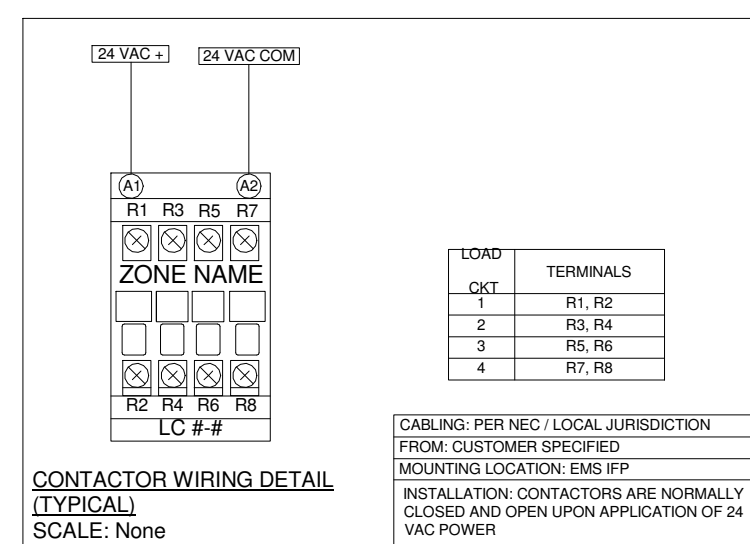
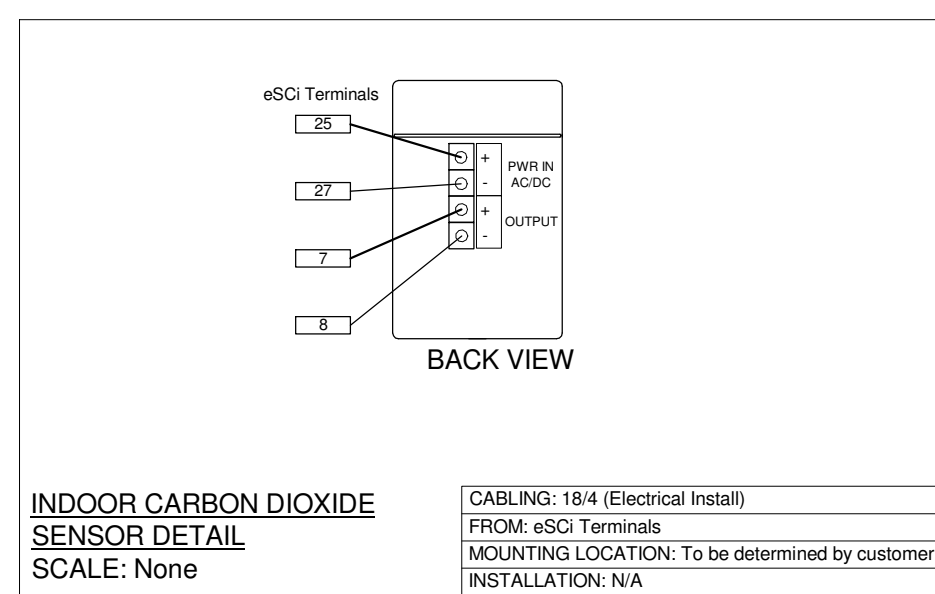
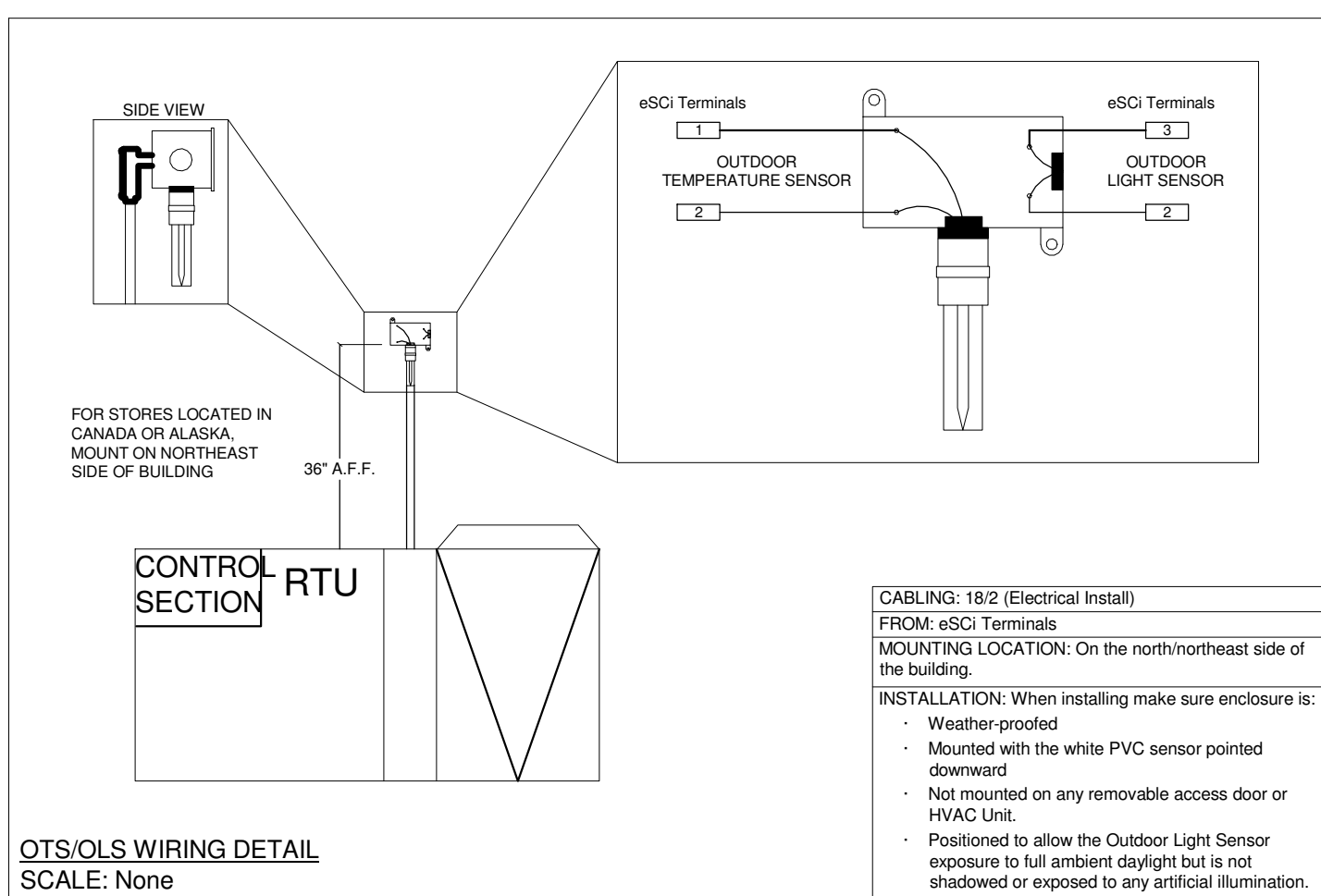
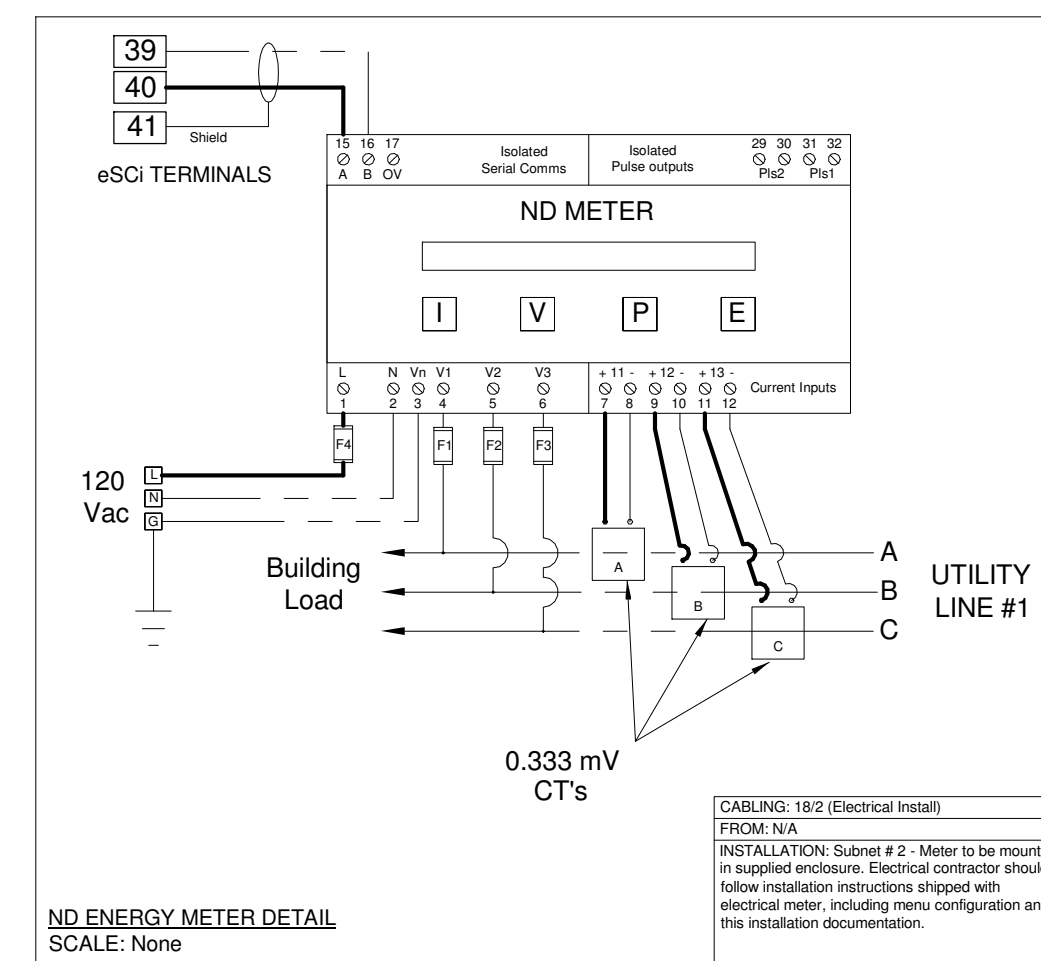
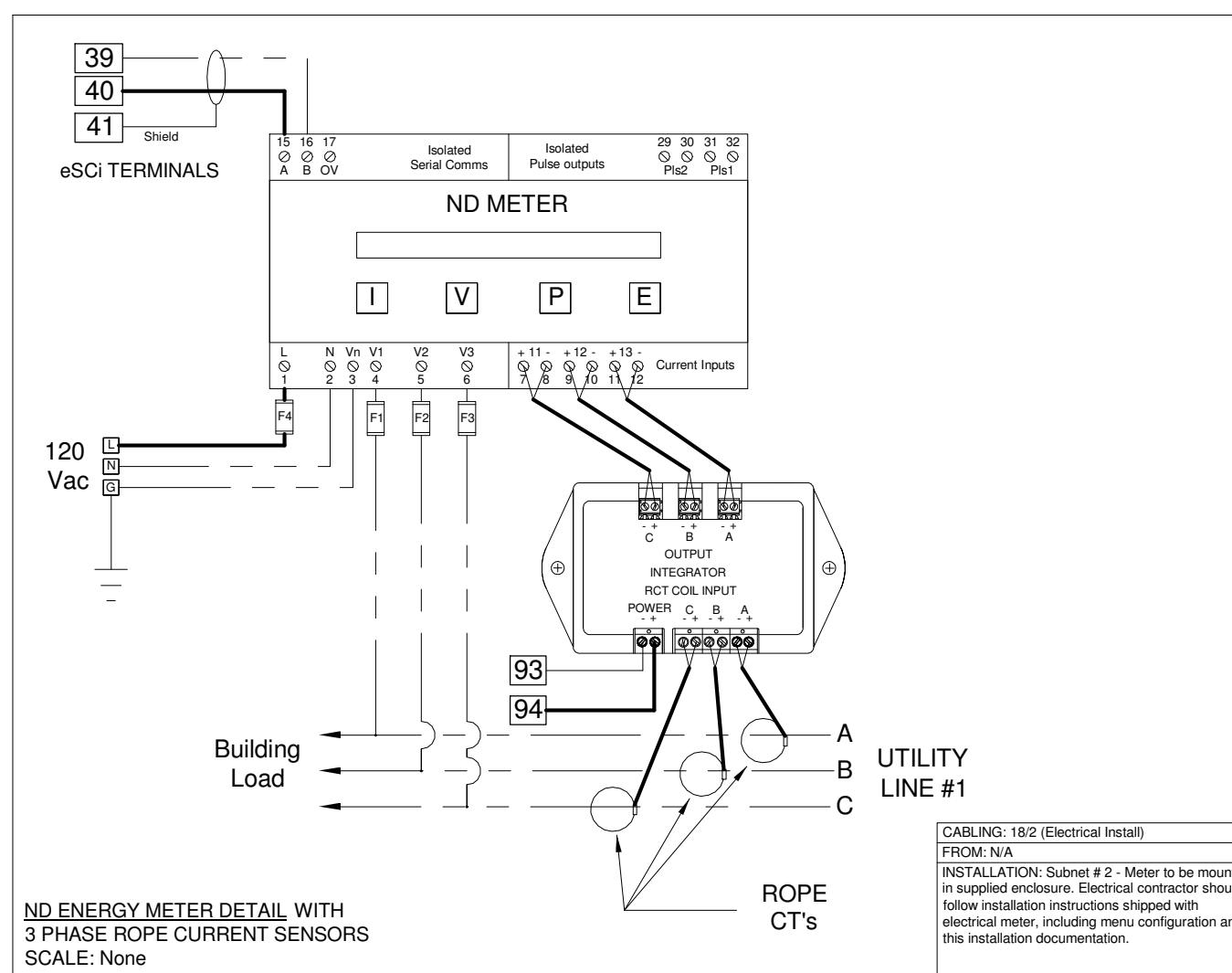
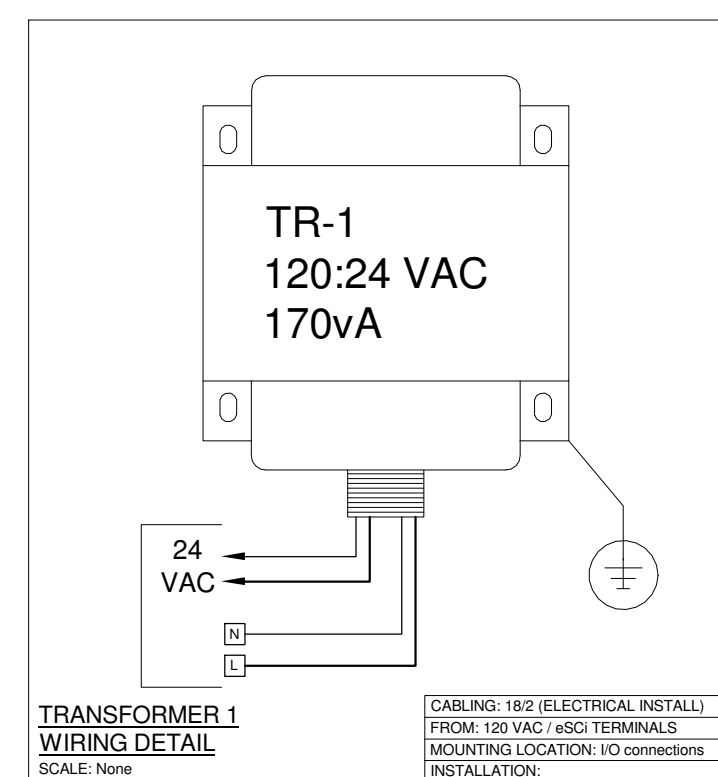
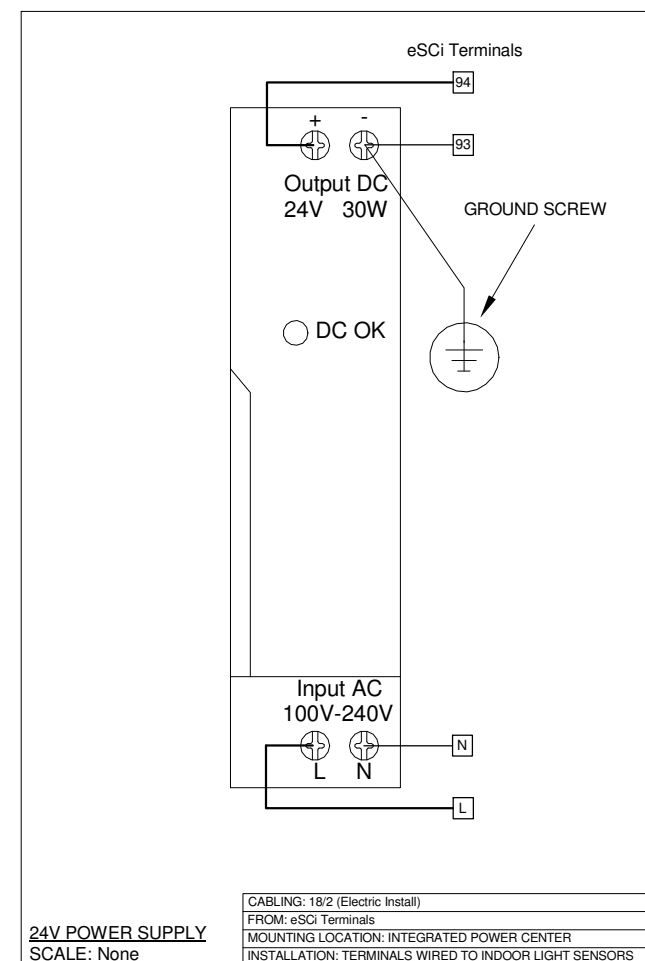
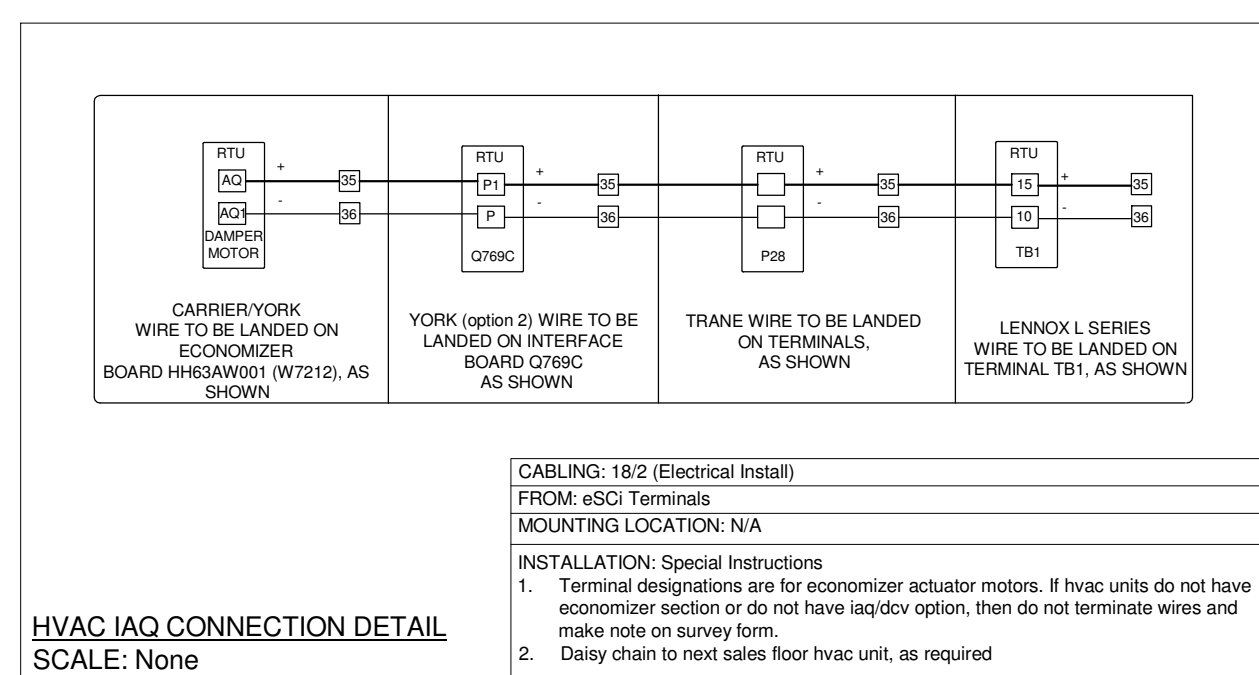
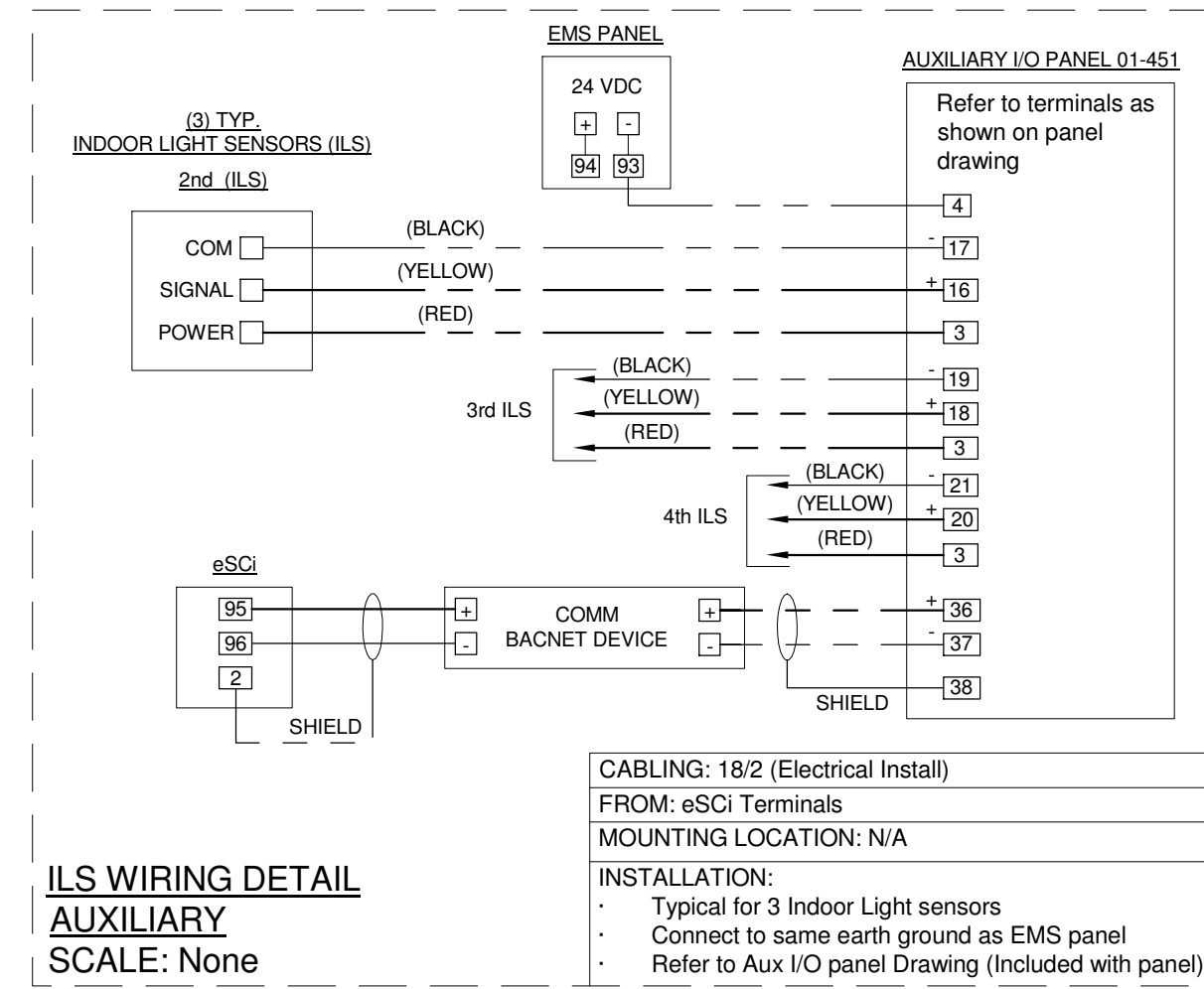
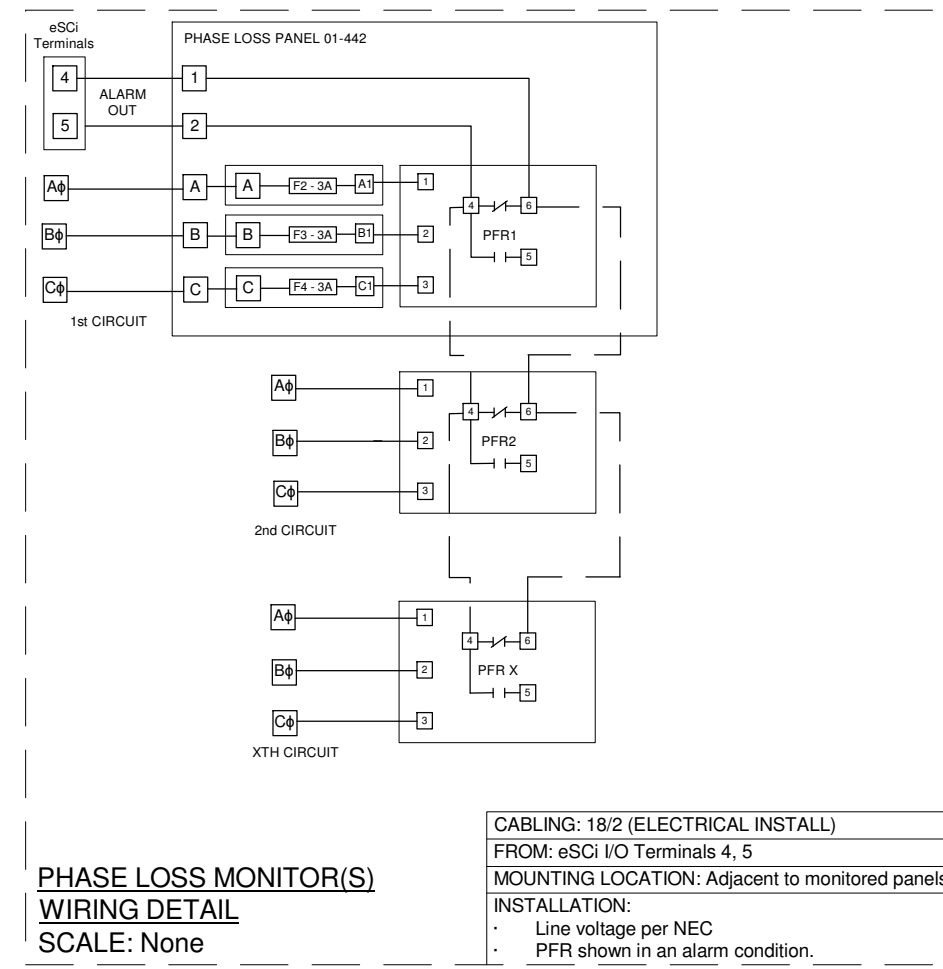
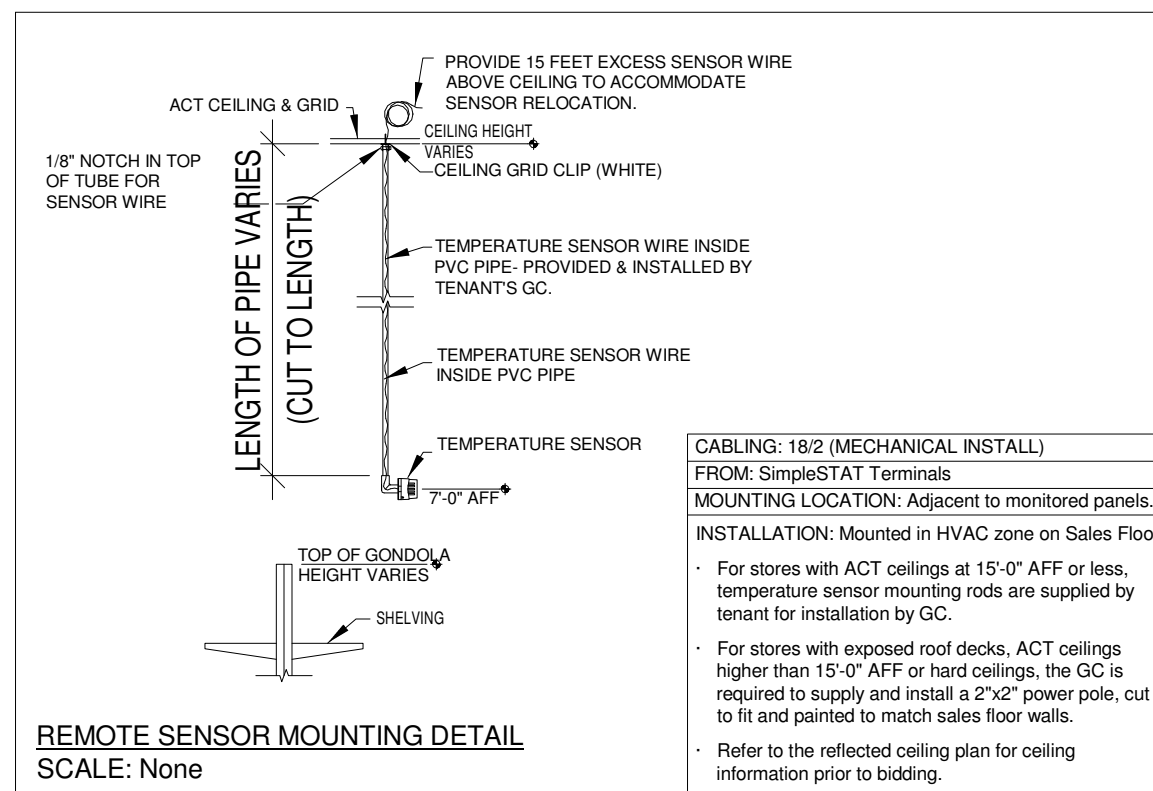
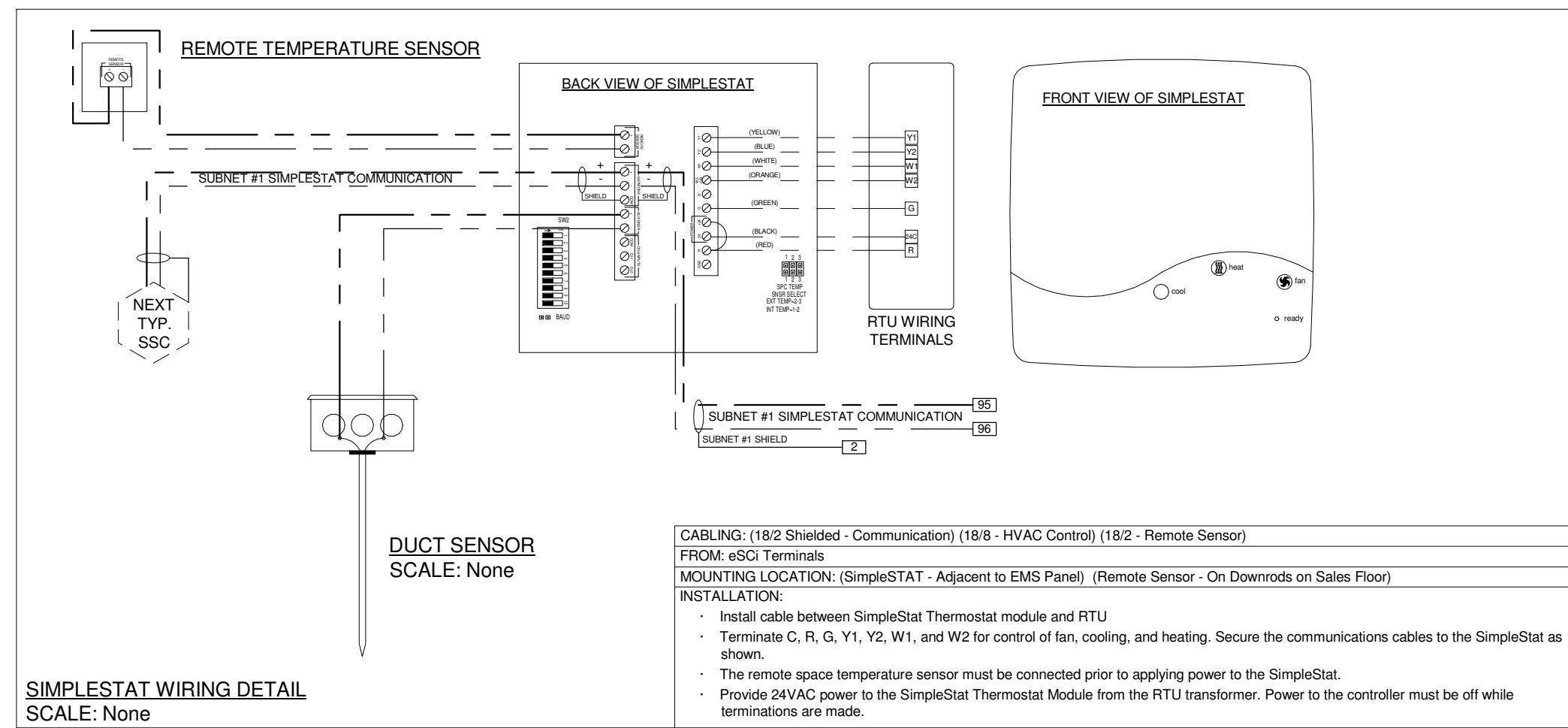
REVISION: 1	
DATE: 06/05/20	ECN#: 2390
LOOSE DT OPTION	
REVISION: ----	
DATE: ----	ECN#: ----
REVISION: ----	
DATE: ----	ECN#: ----
REVISION: ----	
DATE: ----	ECN#: ----
DRAWN: WPC	CHECKED: CGP
PART #: 94-402	OPTION: P

ENERGY MANAGEMENT PLAN

EM-2 of 4



ENERGY MANAGEMENT SYSTEM SINGLE LINE DIAGRAM
SCALE: None



25 Sundial Ave - Suite 310 W
Manchester, NH 03103

DOLLAR TREE EQUIPMENT DETAILS (FOR REFERENCE ONLY NOT TO SCALE)

REVISION: 1	DATE: 06/05/20	ECN#: 2390
LOOSE DT OPTION		
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
DRAWN: WPC	CHECKED: CGP	
PART #: 94-402	OPTION: P	

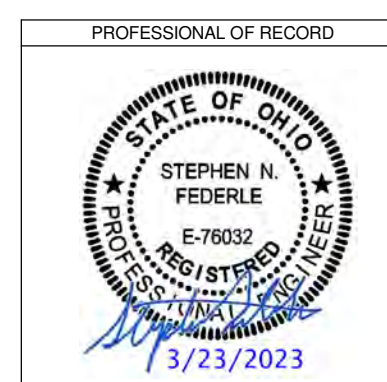
ENERGY
MANAGEMENT
PLAN

EM-4 of 4



DATE	PROJECT	DATE	MARK	DATE	REVISIONS
02/24/2023	0010.30				

DATE	PROJECT	DATE	MARK	DATE	REVISIONS
02/24/2023	0010.30				

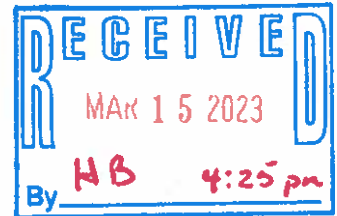


DOLLAR TREE
FORMER ENTERTAINMENT
30830 LAKESHORE BLVD, WILLOWICK, OH 44095
EMS DETAILS

PROJECT	DRAWING
SHEET	EM-104
KLH PROJECT	25140



**CITY OF WILLOWICK PLAN REVIEW BOARD
APPLICATION FOR PERMIT TO OCCUPY FOR
BUSINESS, COMMERCIAL, INDUSTRIAL, ETC.
YOU MUST FILL OUT ENTIRE APPLICATION
440-516-3000**



PERMIT FEE: \$60.00

DATE: 3/7/23

Location of Occupancy: 31442 Vine St Business Name: One DAK Tree LLC DBA Winner's Amuse
(ADDRESS)

Business Owner's Name & Address: Michael Wilson 2880 Crane Schoolhouse Rd

CITY/STATE/ZIP: Bethel, OH, 45106

Telephone Number: 570-423-8127 Fax Number: _____ Federal ID Number: 92-2728590
Or Social Security Number

OWNER OF PROPERTY/NAME/ADDRESS/TELEPHONE NUMBER: Chenhs LLC / 1190 Hawthorne

Independence, OH 44131 / 502-319-1193

SUBMIT NEW DETAILED FLOOR PLAN: _____ SQ. FT. HABITABLE FLOOR AREA FOR OCCUPANCY: 1600

Building Size: 1600 sq ft

Total Number Of Employees: 2

Intended Number of Occupants: 40 Total Number of Seating: 40

Site Plan With Number of Paved Parking Spaces 26 Hours Of Operation: 10a - 11p

Letter of Intent: YES Previous Use: _____ Proposed Use: Game Room / internet Cafe

NAME OF PRINCIPAL OR CONTACT PERSON FOR NEW BUSINESS: Michael Wilson

Home Address/City/Zip: 2880 Crane Schoolhouse Rd
Bethel, OH 45106

Telephone Number: 570-423-8127

I hereby certify that the above questions have been answered correctly by me and that the premises will be used for the purpose stated above. Any change in the purpose of occupancy will not be made without approval from Lake County Building, Willowick Fire & Willowick Zoning Department. A final approval by The Willowick Building Dept. (440)516-3000 or a representative thereof, must be complied with before opening of business. I do hereby further agree to maintain the above premises in compliance with the ordinances of the City of Willowick.

Applicant's Signature: [Signature]

Date: 3/7/23

Office use only:

Zoning District: _____ Authorized Occupants: _____

TEMPORARY APPROVED BY: _____ Date: _____

Zoning Dept. Inspected by: _____ DATE: _____

Zoning Permit # _____ Zoning Permit Fee \$ _____

Fire Dept. Inspected By: _____ Date: _____

CITY OF WILLOWICK-APPLICATION FOR COMMERCIAL ESTABLISHMENT LICENSE REQUIRED AFTER APPROVAL

Note* A separate permit is required for all new signs from the Willowick Building Department.

—○ ONE OAK TREE LLC ○—

MICHAEL WILSON

CONTACT

 570-423-8129

 MeWilson5711@gmail.com

City of Willowick Plan Review Board

31230 Vine St

Willowick, OH 44095

Dear Plan Review Board

We are intending to open/start an entertainment center at 31442 Vine St under the name of Winner's Paradise. With this document you will find the following:

- Application for permit approval
- Floor plan including expected seating.
- Outside parking
- Machine data including Model and Serial numbers.
- Company and Owner's information
- Employee Identification

Thank you for your attention and consideration to this application. If you have any questions, please do not hesitate to reach out.

Sincerely,

Michael Wilson

One Oak Tree LLC



DATE	DOCUMENT ID	DESCRIPTION	FILING	EXPED	CERT	COPY
03/07/2023	202306506238	OHIO LLC - ARTICLES OF ORGANIZATION (LCP)	99.00	0.00	0.00	0.00

Receipt

This is not a bill. Please do not remit payment.

MICHAEL WILSON
2880 CRANE SCHOOLHOUSE RD
BETHEL, OH 45106

STATE OF OHIO CERTIFICATE

Ohio Secretary of State, Frank LaRose
5012183

It is hereby certified that the Secretary of State of Ohio has custody of the business records for
ONE OAK TREE LLC

and, that said business records show the filing and recording of:

Document(s)

OHIO LLC - ARTICLES OF ORGANIZATION

Effective Date: 03/06/2023

Document No(s):

202306506238

United States of America
State of Ohio
Office of the Secretary of State

Witness my hand and the seal of the
Secretary of State at Columbus, Ohio this
7th day of March, A.D. 2023.

Ohio Secretary of State

Form 610 Prescribed by:

Date Electronically Filed: 3/6/2023



Telephone: 877.767.3453

OhioSoS.gov | business@OhioSoS.govFile online or for more information: OhioBusinessCentral.gov

Articles of Organization for a Domestic Limited Liability Company

Filing Fee: \$99
Form Must Be Typed
115-LCA

Name of Limited Liability Company

(Name must include one of the following words or abbreviations:
"limited liability company", "limited", "LLC", "L.L.C.", "Ltd.", or "Ltd".)

Optional: Effective Date (MM/DD/YYYY) Effective Time

Pursuant to Ohio Revised Code Section 1706.16(D), a limited liability company is formed when the articles of organization are filed by the secretary of state or at any later date or time specified in the articles of organization. Pursuant to Ohio Revised Code Section 1706.172(D), articles of organization delivered to the Ohio Secretary of State for filing may specify an effective time and a delayed effective date of not more than ninety days following the date of receipt by the Secretary of State. Articles of organization are effective as provided in Ohio Revised Code Section 1706.172(D).

Optional: Purpose

Original Appointment of Statutory Agent

The undersigned authorized member(s), manager(s) or representative(s) of

One Oak Tree LLC

(Name of Limited Liability Company)

hereby appoint the following to be Statutory Agent upon whom any process, notice or demand required or permitted by statute to be served upon the limited liability company may be served. The complete address of the agent is:

MICHAEL WILSON

(Name of Statutory Agent)

2880 CRANE SCHOOLHOUSE RD

(Mailing Address)

BETHEL

(Mailing City)

OH

(Mailing State)

45106

(Mailing ZIP Code)

Acceptance of Appointment

The Undersigned, MICHAEL WILSON, named herein as the
(Name of Statutory Agent)

Statutory agent for One Oak Tree LLC
(Name of Limited Liability Company)

hereby acknowledges and accepts the appointment of statutory agent for said limited liability company.

Statutory Agent Signature MICHAEL WILSON
(Individual Agent's Signature / Signature on Behalf of Business Serving as Agent)

If applicable, attach a statement as provided in division (B)(3) of section 1706.761 of the Ohio Revised Code to state that the LLC may have one or more series of assets subject to limitations.

By signing and submitting this form to the Ohio Secretary of State, the undersigned hereby certifies that he or she has the requisite authority to execute this document.

Required

Articles of Organization shall be signed by at least one person.

If the person is an individual, then he or she must sign on the "signature" line and print his or her name in the "Print Name" Box.

If the person is a business entity, please print the name of the entity in the "Signature" box and an authorized representative of the business must sign in the "By" box and print his or her name and title or authority in the "Print Name Box."

MICHAEL WILSON

Signature

By (if applicable)

Print Name

Signature

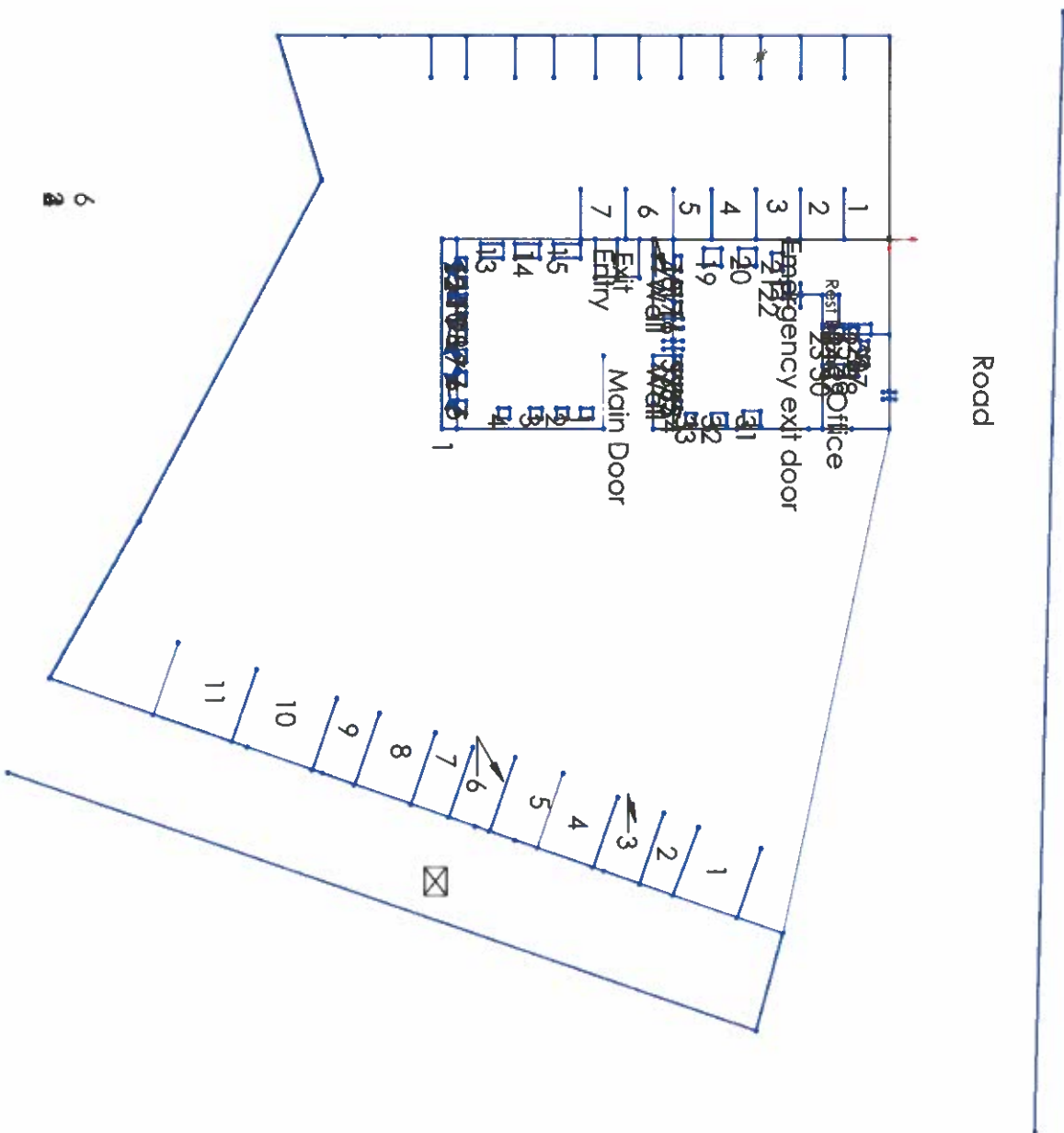
By (if applicable)

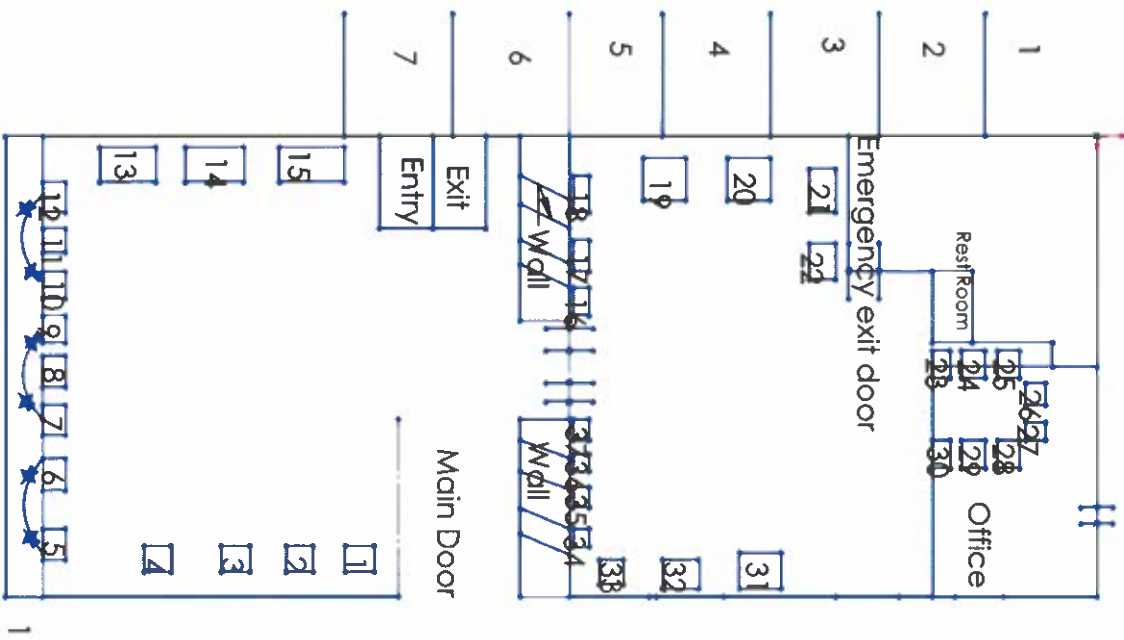
Print Name

Signature

By (if applicable)

Print Name





Date of this notice: 03-06-2023

Employer Identification Number:
92-2728590

Form: SS-4

Number of this notice: CP 575 G

ONE OAK TREE LLC
MICHAEL WILSON SOLE MBR
2880 CRANE SCHOOLHOUSE RD
BETHEL, OH 45106

For assistance you may call us at:
1-800-829-4933

IF YOU WRITE, ATTACH THE
STUB AT THE END OF THIS NOTICE.

WE ASSIGNED YOU AN EMPLOYER IDENTIFICATION NUMBER

Thank you for applying for an Employer Identification Number (EIN). We assigned you EIN 92-2728590. This EIN will identify you, your business accounts, tax returns, and documents, even if you have no employees. Please keep this notice in your permanent records.

Taxpayers request an EIN for their business. Some taxpayers receive CP575 notices when another person has stolen their identity and are opening a business using their information. If you did **not** apply for this EIN, please contact us at the phone number or address listed on the top of this notice.

When filing tax documents, making payments, or replying to any related correspondence, it is very important that you use your EIN and complete name and address exactly as shown above. Any variation may cause a delay in processing, result in incorrect information in your account, or even cause you to be assigned more than one EIN. If the information is not correct as shown above, please make the correction using the attached tear-off stub and return it to us.

A limited liability company (LLC) may file Form 8832, *Entity Classification Election*, and elect to be classified as an association taxable as a corporation. If the LLC is eligible to be treated as a corporation that meets certain tests and it will be electing S corporation status, it must timely file Form 2553, *Election by a Small Business Corporation*. The LLC will be treated as a corporation as of the effective date of the S corporation election and does not need to file Form 8832.

To obtain tax forms and publications, including those referenced in this notice, visit our Web site at www.irs.gov. If you do not have access to the Internet, call 1-800-829-3676 (TTY/TDD 1-800-829-4059) or visit your local IRS office.

IMPORTANT REMINDERS:

- * Keep a copy of this notice in your permanent records. This notice is issued only one time and the IRS will not be able to generate a duplicate copy for you. You may give a copy of this document to anyone asking for proof of your EIN.
- * Use this EIN and your name exactly as they appear at the top of this notice on all your federal tax forms.
- * Refer to this EIN on your tax-related correspondence and documents.
- * Provide future officers of your organization with a copy of this notice.

Your name control associated with this EIN is ONEO. You will need to provide this information along with your EIN, if you file your returns electronically.

Safeguard your EIN by referring to Publication 4557, Safeguarding Taxpayer Data: A Guide for Your Business.

You can get any of the forms or publications mentioned in this letter by visiting our website at www.irs.gov/forms-pubs or by calling 800-TAX-FORM (800-829-3676).

If you have questions about your EIN, you can contact us at the phone number or address listed at the top of this notice. If you write, please tear off the stub at the bottom of this notice and include it with your letter.

Thank you for your cooperation.

Keep this part for your records.

CP 575 G (Rev. 7-2007)

Return this part with any correspondence
so we may identify your account. Please
correct any errors in your name or address.

CP 575 G

9999999999999

Your Telephone Number Best Time to Call
() -

DATE OF THIS NOTICE: 03-06-2023
EMPLOYER IDENTIFICATION NUMBER: 92-2728590
FORM: SS-4 NOBOD

INTERNAL REVENUE SERVICE
CINCINNATI OH 45999-0023

ONE OAK TREE LLC
MICHAEL WILSON SOLE MBR
2880 CRANE SCHOOLHOUSE RD
BETHEL, OH 45106

UNITED STATES OF AMERICA
STATE OF OHIO
OFFICE OF THE SECRETARY OF STATE

I, Frank LaRose, do hereby certify that I am the duly elected, qualified and present acting Secretary of State for the State of Ohio, and as such have custody of the records of Ohio and Foreign business entities; that said records show ONE OAK TREE LLC, an Ohio Limited Liability Company, Registration Number 5012183, was organized in the State of Ohio on March 6, 2023, is currently in FULL FORCE AND EFFECT upon the records of this office.



Witness my hand and the seal of the Secretary of State at Columbus, Ohio this 14th day of March, A.D. 2023.

A handwritten signature in cursive script, appearing to read "Frank LaRose".

Ohio Secretary of State

Validation Number: 202307302514



Property lines are graphic representations and are **NOT** survey accurate.

Lake County GIS Dept. / Lake County Tax Map Dept., 105 Main Street, Painesville, OH

1 inch = 47
Creation Date: March

Parcel Number: 28A043B000460

Parcel Owner: CHENHS LLC

Parcel Address: 31442 VINE ST



Item	Area
FOOD FRCHSE - 180:TACO BELL	1525
CANOPY ONLY - CP5:CANOPY ONLY	16
ASPH PAVE - CI1:ASPHALT OR BLACKTOP PAVING	10960
FENCE CHLK - WA1:FENCE CHAIN LINK	1800

Printed on Tuesday, March 14, 2023, at 3:02:48 PM EST

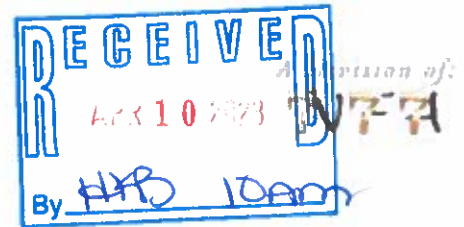
Winner's Paradise

- Fire link FL 001078
- Fire link FL 001123
- Fire link FL 001278
- Fire link FL 000793
- Fire link FL 001593
- Power 02 PO 001103
- Power04PO 001021
- Dragon link 4-1 DL 000921
- Dragon link 4-1 DL 000597
- Platinum PL 000892
- Platinum PL 000683
- Platinum PL 001973
- Platinum PL 001073
- Platinum PL 001180
- Fusion 4 BF 1021
- Buffalo link BL 001010
- Platinum PL 001089
- Quick hit QH 001169
- Aladdin AL 001192
- Super lock SL 000892
- Lock it link LL 000883
- Lock it link LL 000752
- Aladdin AL 000857
- Power 2 PO 000952
- Power 4 PO 001157
- Lock it link LL 001009
- Lock it link LL 000983
- Platinum PL 001363
- Platinum PL 001272
- Platinum PL 001189
- Platinum PL 001327
- Platinum PL 001312
- Platinum PL 001308
- Fire link FL 001153
- Crazy money gold CG 001473
- Queen pirate QP 001422
- Buffalo link BL 001421

Winner's Paradise

Game	Serial #	Model #
Fire Link	FL001078	11PVA
Fire Link	FL001123	11PVA
Fire Link	FL001278	11PVA
Fire Link	FL000793	11PVA
Fire Link	FL001593	11PVA
Power 02	PO001103	HET-V5.0
Power 04	PO001021	HET-V5.1
Dragon Link 4-1	DL000921	HET-V2.6
Dragon Link 4-1	DL000597	HET-V2.6
Platinum	PL000892	P3V5.1
Platinum	PL000683	P3V5.1
Platinum	PL001973	P3V5.1
Platinum	PL001073	P3V5.1
Platinum	PL001180	P3V5.1
Fusion 4	BF1021	F440.4
Buffalo Link	BL001010	HET-V5.0
Platinum	PL001089	P3V5.1
Quick Hit	QH001169	HET-V4.2
Aladdin	AL001192	HET-V3.1
Super Lock	SL000892	15PVA
Lock It Link	LL000883	12PVA
Lock It Link	LL000752	12PVA
Aladdin	AL000857	HET-V3.1
Power 2	PO000952	HET-V5.0
Power 4	PO001157	HET-V5.1
Lock It Link	LL001009	12PVA
Lock It link	LL000983	12PVA
Platinum	PL001363	P3V5.1
Platinum	PL001272	P3V5.1
Platinum	PL001189	P3V5.1
Platinum	PL001327	P3V5.1
Platinum	PL001312	P3V5.1
Platinum	PL001308	P3V5.1
Fire Link	FL001153	11PVA
Crazy Money Gold	CG001473	15C-V1.0
Queen Pirate	QP001422	18Q-V2.2
Buffalo Link	BL001421	HET-V5.0

Winning Range	Rewards	Winning Chance
1 - \$50 to \$500 Mini bonus	Store card with play credits	Very High
2 - \$500 to \$1000 Minor bonus	microwave + Store card with play credits	Medium
3- \$1000 to \$1500 Major Jackpot	TV	Low Medium
4 - \$1500 to \$2000 Major Jackpot2	music instrument guitar+ audio equipment	Low
5 - \$2000 to \$2500 Grand Jackpot	air fryer + microwave + kitchen set + \$500 gift card our store	Very Low



6401 Davis Industrial Parkway
Suite A
Savannah, GA 31406
(404) 974-7151 (N174)
Fax: (404) 342-1413
www.eclipsetesting.com

COAM SAS Compliance Report

Report Issued to	Georgia Lottery Corporation
Date of Issue	November 4, 2022
Product Manufacturer Contact Details	Jenka Lab, LLC 5044 B U Bowman Drive Suite 106 Buford, GA, 30518
Product Details	<i>RMC2G Platform v3.21 GA with AURORA World Famous with Game Themes v1.101702</i>
eclipse Compliance Testing Report Reference Information	Review and analysis of the <i>RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702</i> submitted by Jenka Lab, LLC.
Report Number	NA_JENKAL_5813-01_PA

1. INTRODUCTION

eclipse Compliance Testing has conducted a review and examination of the *RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702* for compliance with the following technical standard(s):

- The document titled Georgia COAM SAS Requirements Version 1.7 issued on October 20, 2016 by the Georgia Lottery Corporation.

This assessment is focused on the SAS communication, via SAS simulation, and the interoperability of SAS communications with the Intralot, Inc. Central Monitoring System v3.2, implemented by the Georgia Lottery Corporation, to the aforementioned technical standards.

2. OVERVIEW OF TEST SCOPE

The following components have been reviewed for use with *RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702* to determine compliance with the aforementioned technical standards:

Software Name	Version	Component
<i>RMC2G</i>	3.21 GA	Platform
<i>AURORA World Famous</i>	Aurora-6 ver. 1.101702	Game Themes

The *AURORA World Famous v1.070602 Games Themes* consists of five (5) 3x3 Reel Nudge style skill games intended for use in the Georgia Lottery Corporation COAM implementation.

~~edipse~~ Compliance Testing has composed a detailed compliance analysis of the *RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702* with regard to the aforementioned technical standards. A detailed compliance analysis is attached hereto as an Appendix.

3. SOURCE CODE REVIEW

Jenka Lab, LLC has provided ~~edipse~~ Compliance Testing with the software source code associated with the *RMC2G Platform v3.21 GA with AURORA World Famous with Game Themes v1.101702*. The review and evaluation of software source code is essential in establishing system operation and game outcome determination.

Our review of the source code indicates that the *RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702* implements the SAS communication protocol as required under the Georgia COAM SAS Requirements issued by the Georgia Lottery Corporation.

4. SOFTWARE INFORMATION

The software/firmware used to operate the *RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702* software is housed on the microcontroller installed on the circuit board of the Jenka Lab, LLC device running on the Linux operating system. The system memory for the *RMC2G Platform* and *AURORA World Famous Game Themes* software is stored in SRAM, which uses an onboard battery to maintain the information until a RAM Clear is performed. The CRC16 signature obtained and verified during testing was displayed through the SAS simulator as 8CC8 when polled with a seed of 0000.

The *RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702* supports the use of pulse in bill acceptors. This is performed by sending a pulse to the game board, which will add funds to the balance meter of the terminal rather than using standard communications used by bill acceptors (ex. RS-232). Additionally, the *RMC2G Platform v3.21 GA with AURORA World Famous Game Themes v1.101702* does not support AFT or EFT communications.

5. GAME PLAY AND DEVICE OPERATION

The *AURORA World Famous Game Themes v1.101702* offers five (5) different game themes. The available game themes consisted of five (5) 3x3 reel nudge style skill games. The 3x3 reel nudge style games provide the player with an entertaining game, the outcome of which is based upon the player's decision to select a reel to nudge in the proper direction to align a winning symbol combination and win a potential prize for the nudge style games. The 3x3 reel nudge

style games that are available on the *AURORA World Famous Game Themes v1.101702* includes the following:

- *American Legend*
- *Dragon Money*
- *Smoking Hot*
- *South Central*
- *Win Mill*

6. EXCEPTIONS AND NOTEWORTHY ITEM FOR CONSIDERATION

The following item of note has been listed below for consideration by the Georgia Lottery Corporation. This item of note was discovered during the review and analysis undertaken by **eclipse Compliance Testing** to determine compliance with the previously listed requirements.

1. Upon review of the Jenka Lab, LLC *RMC2G Platform v3.21 GA with AURORA World Famous with Game Themes v1.101702*, it was discovered that the displayed electronic meters do not roll over at the same time as the communicated SAS meters. The Jenka Lab, LLC *RMC2G Platform v3.21 GA* allows for the displayed electronic meters to exceed the eight (8) digits in meter length.

7. FINDINGS AND CONCLUSIONS

Based upon our review of the *RMC2G Platform v3.21 GA with AURORA World Famous with Game Themes v1.101702*, we have determined that this device facilitates SAS 6.02 communication, via SAS simulation and with the Intralot, Inc. Central Monitoring System in accordance with the following technical standards:

- The document titled Georgia COAM SAS Requirements issued by the Georgia Lottery Corporation.

As previously mentioned, this assessment is focused on the SAS communication via SAS simulation, and on the interoperability of the SAS communications with the Intralot, Inc. Central Monitoring System v3.2, implemented by the Georgia Lottery Corporation of the aforementioned technical standards.

8. TERMS AND CONDITIONS

It should be noted that all findings and conclusions of fact have been derived from actual product interaction, visual observations, and the review of the submitted source code. **eclipse Compliance Testing** has performed extensive research and analysis to determine the findings previously mentioned. However, we realize that not all information may have been disclosed or provided for our review. If any parties dispute our findings, or may present evidence or information contrary to our findings, we would welcome the addition of this information for our consideration. In such an instance, we reserve the right to amend or revise this document.

Jenka Lab, LLC – RMC2G Platform with AURORA World Famous Game Themes v1.101702– GA Lottery
NA_JENKAL_5813-01_PA – November 4, 2022
Page 4 of 4

This document is NOT an approval letter or expression of any opinion as to whether this system should be approved. Approval of this system should be granted by the Georgia Lottery Corporation, who may rely upon our findings for the determination of compliance.

This document has been prepared by **eclipse Compliance Testing** for Gaming Regulatory Authorities addressed hereto, for the benefit of Jenka Lab, LLC. Distribution of this document is limited exclusively to **eclipse Compliance Testing**, Jenka Lab, LLC, and those granted use of the report by the aforementioned parties. This report shall not be reproduced, except in full, without the written approval of **eclipse Compliance Testing**. Authorized parties may download an authentic electronic copy of this report from the *Reports* section of the **eclipse Compliance Testing** website (www.eclipsetesting.com).

If you should have any questions or require additional information, please feel free to contact our office at (440) 914-TEST (8378).

Sincerely,



Nick Farley
President

AP
NF/bj/jm
Attachments

APPENDIX

Jenka Lab, LLC
RMC2G Platform v3.21 GA with AURORA World Famous Game Themes
v1.101702
Detailed Compliance Analysis

Jenka Lab, LLC – RMC2G Platform with AURORA World Famous Game Themes v1.101702– GA Lottery
 NA_JENKAL_5813-01_PA – November 4, 2022

SAS Requirement/ Event	Supported Functionality	Pass / Fail / N/A
0021 Total Attendant Paid External Bonus	✓	Pass
0022 Total won credits	✓	Pass
0023 Total Hand paid credits	✓	Pass
0024 Total drop	✓	Pass
0040-0057 Total number of X bills accepted	✓	Pass
<i>Must support the following SAS Events:</i>		
17 AC power applied	✓	Pass
18 AC power lost	✓	Pass
51 Hand pay is pending	✓	Pass
52 Hand pay was reset	✓	Pass
15 Logic door open	✓	Pass
16 Logic door closed	✓	Pass
98 Power off card cage (must be monitored for at least 7 days with power lost)	✓	Pass
3C Operator menu accessed/changed	✓	Pass
3B Low backup battery detected	✓	Pass
70 Exception buffer overflow	✓	Pass
7A Gaming machine soft meter reset	✓	Pass

✓ = This functionality is supported.

9) The name and address of any and all persons, businesses or organizations that provide games computer software, equipment, or services or operate devices linked to the licensee's entertainment ' devices or to devices necessary to operate the entertainment devices, whether any such provisions are sold, leased or licensed -

- Devices will be sold to the business owner.

- Game providers information:

 - Primetime Games

 - PO Box 68 Tallapoosa Georgia 30176