



CODE REVIEW

GENERAL INFORMATION

**SUMMARY:**  
EXISTING FACILITY IS A SINGLE STORY METAL FRAME STRUCTURE WITH NON-COMBUSTIBLE CMU EXTERIOR WALLS, AND INSULATED ROOFING SYSTEM. RENOVATION OF EXISTING STRUCTURE IS A TENANT BULDOZED COMPRISED OF FINISHES, FURNISHINGS, PLUMBING, HVAC, ELECTRICAL, STRUCTURAL, REFRIGERATION AND FIRE PROTECTION.

**SPACE, GROSS FLOOR AREA:**  
NEW PUBLIX WINE AND SPIRITS: 1,354 SQ FT.  
SPACE GROSS LEASABLE FLOOR AREA:  
NEW PUBLIX WINE AND SPIRITS: 1,429 SQ FT.

**FBC, EXISTING BUILDING 7th EDITION (2020), TYPE OF REMODELING:**  
ALTERATION - LEVEL 3  
SECTION 301.3.2 WORK AREA COMPLIANCE METHOD

**OCCUPANCY CLASSIFICATION:**  
GROUP M (MERCANTILE)

**FIRE RATING REQUIREMENTS:**  
EXISTING 1-HR UL U301(SM) TENANT SEPARATION WALL TO BE MAINTAINED AT PLAN EAST AND 1-HR UL U419 TENANT SEPARATION WALL AT PLAN WEST, REF SHEET A-5 FOR NEW FIRESTOPPING DETAILS.

**APPLICABLE BUILDING CODES:**  
FBC - FLORIDA BUILDING CODE 7th EDITION (2020)  
ARCHITECTURAL: FBC, BUILDING 7th EDITION (2020)  
FBC, EXISTING BUILDINGS 7th EDITION (2020)  
FACBC, FLORIDA ACCESSIBILITY CODE 7th EDITION (2020)  
MECHANICAL: FBC, MECHANICAL 7th EDITION (2020)  
FBC, ENERGY CONSERVATION 7th EDITION (2020)  
PLUMBING: FBC, PLUMBING 7th EDITION (2020)  
FUEL GAS: FBC, FUEL GAS 7th EDITION (2020)  
ELECTRICAL: NFPA 70 - 2017 NATIONAL ELECTRICAL CODE  
FIRE PREVENTION AND LIFE SAFETY: FFPC, FLORIDA FIRE PREVENTION CODE 7th EDITION  
NFPA 1, FIRE CODE, 2018 EDITION  
NFPA 101, LIFE SAFETY CODE, 2018 EDITION

**GENERAL REQUIREMENTS:**  
MAXIMUM TRAVEL DISTANCE (FULLY SPRINKLERED): 250 FT FBC TABLE 1017.2 AND FFPC 36.2.6.2)  
MAXIMUM COMMON PATH OF TRAVEL: 75 FT FBC TABLE 1006.2.1(100 FT PER FFPC 36.2.5.3)  
MAXIMUM DEAD END CORRIDOR LENGTH: 50 FT FBC SECTION 1020.4 AND FFPC 36.2.5.2.1  
EGRESS WIDTH PER PERSON SERVED (LEVEL): .2 INCHES FBC SECTION 1005.3.2 AND FFPC TABLE 7.3.3.1  
MINIMUM CORRIDOR/aisle WIDTH: 44 INCHES FBC SECTION 1020.2 AND FFPC 36.2.5.5  
36 INCHES OCCUPANT LOAD SERVED LESS THAN 50  
MINIMUM CLEAR OPENING OF EXIT DOORS: 32 INCHES FBC SECTION 1010.1.1 AND FFPC 7.2.12.3

MEANS OF EGRESS CAPACITY CALCULATIONS

**TOTAL OCCUPANT LOAD:** (FBC 2020 - TABLE 1004.5/FFPC - TABLE 7.3.1.2 - MOST STRINGENT)  
PUBLIX WINE AND SPIRITS:  
SALES AREA: 38 OCCUPANTS  
BUSINESS AREA: 2 OCCUPANTS  
STORAGE AREA: 1 OCCUPANTS  
TOTAL OCCUPANT LOAD: 41 OCCUPANTS

**MINIMUM MEANS OF EGRESS CAPACITY:** (FBC 2020 SECTION 1005.3.2)  
REQUIRED:  
(TOTAL OCCUPANT LOAD X EGRESS WIDTH PER PERSON SERVED)  
41 OCCUPANTS X 0.2 IN/PERSON = 8.2 INCHES

**TOTAL MEANS OF EGRESS CAPACITY PROVIDED:**  
ENTRANCE DOOR: #10A = 72 INCHES  
EXIT DOOR: #10D = 35 INCHES  
TOTAL: = 107 INCHES

**PUBLIC ENTRANCE REQUIREMENTS:**  
TOTAL NUMBER OF PUBLIC ENTRANCES PROVIDED: 1  
MINIMUM NUMBER OF ACCESSIBLE PUBLIC ENTRANCES REQUIRED BY FBC: 1 (60% OF TOTAL)  
TOTAL NUMBER OF ACCESSIBLE PUBLIC ENTRANCES PROVIDED: 1

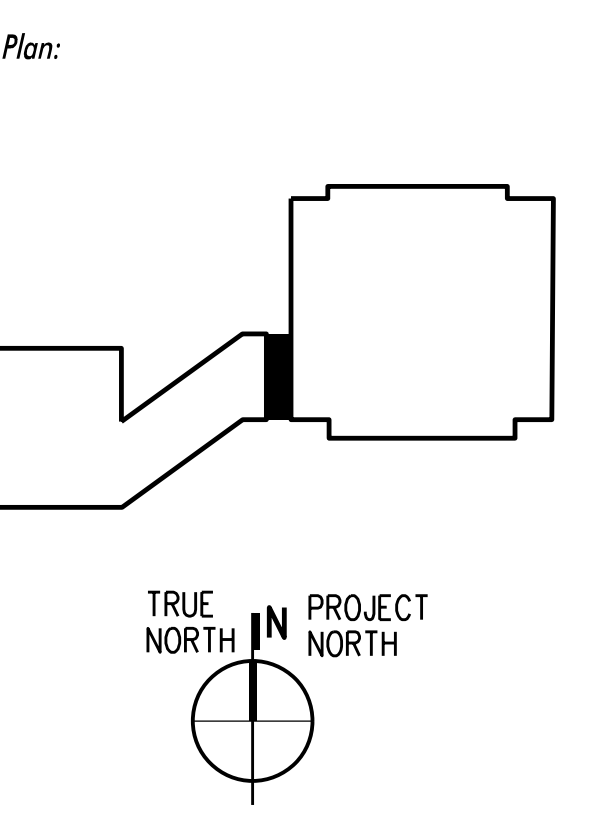
**EXIT REQUIREMENTS:** (FBC 2020 - TABLE 1006.2.1)  
MINIMUM NUMBER OF EXITS REQUIRED BY BUILDING CODE: (WHERE TRAVEL DISTANCE MAY EXCEED 75 FT = 2)  
TOTAL NUMBER OF EXITS PROVIDED: 2

OCCUPANT LOAD CALCULATIONS			
<b>SALES AREA</b>			
Occupant Load Per FBC Table 1004.5 - FBC and/or FFPC Table 7.3.1.2			
Sales Area: 30 Gross SF Per Occupant - FFPC most stringent (Occupant Factor O.F.)			
AREA	GROSS SF	O.F.	OCCUPANTS
MERCANTILE: (Grade floor areas open to public)	1140	30	38
<b>BUSINESS AREA</b>			
Minimum Occupant Load Per Table 1004.5 - FBC and/or FFPC Table 7.3.1.2			
Business Area: 150 Gross SF Per Occupant (Occupant Factor O.F.)			
AREA	GROSS SF	O.F.	OCCUPANTS
CUSTOMER SERVICE COUNTER AREA AND RESTROOMS:	160	150	2
<b>STORAGE AREA</b>			
Minimum Occupant Load Per Table 1004.5 - FBC			
Storage Area: 300 Gross SF Per Occupant (Occupant Factor O.F.)			
AREA	GROSS SF	O.F.	OCCUPANTS
STORAGE AREAS: (Not open to public mercantile areas)	54	300	1

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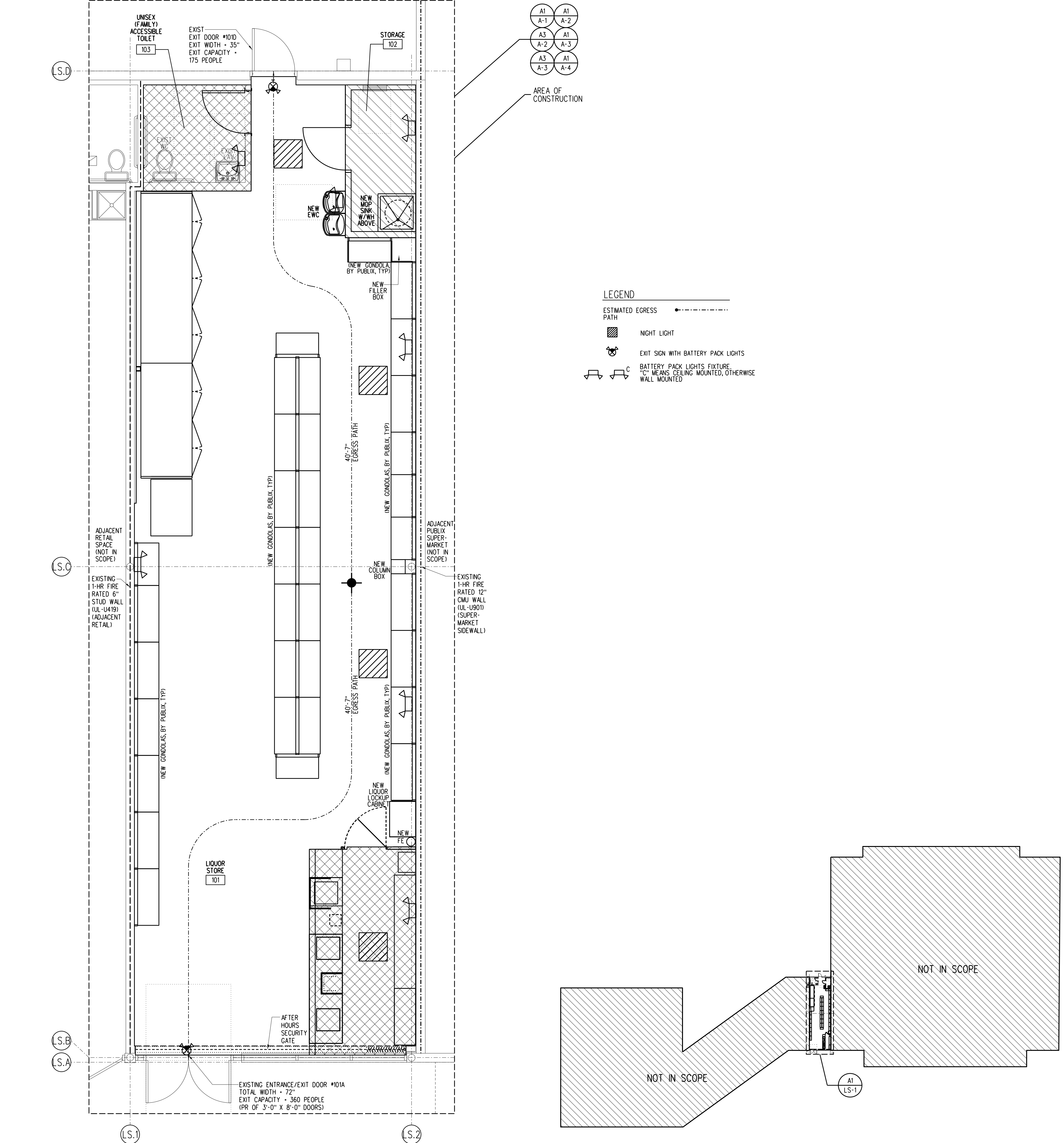


EVERGREEN ENVIRONMENT  
Jacobs Project No.: F6-W753-00-0504LS  
Drawing Title:

CODE REVIEW AND LIFE SAFETY PLAN

Date: 06/08/23  
Designed By: P. BEGANY  
Drawn By: P. BEGANY  
Checked By: M. MATOS

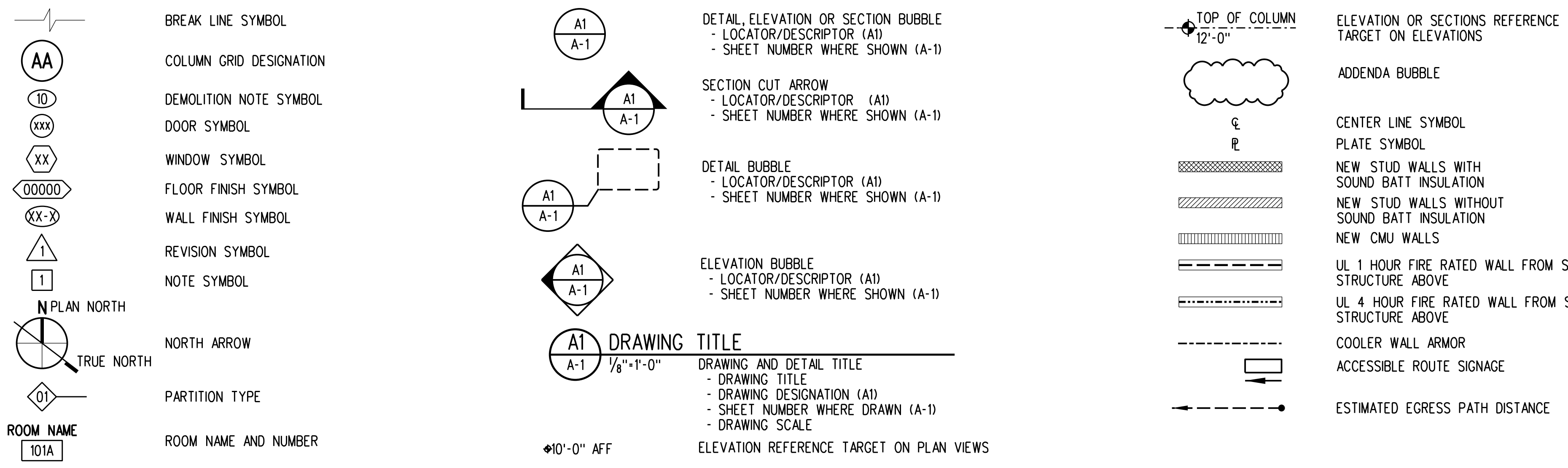
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KEY PLAN (NTS)

NOTE: SCOPE OF WORK LIMITED TO LIQUOR STORE.  
SUPER MARKET SHOWN FOR OWNERS INTERNAL DOCUMENTATION ONLY.

GENERAL SYMBOLS

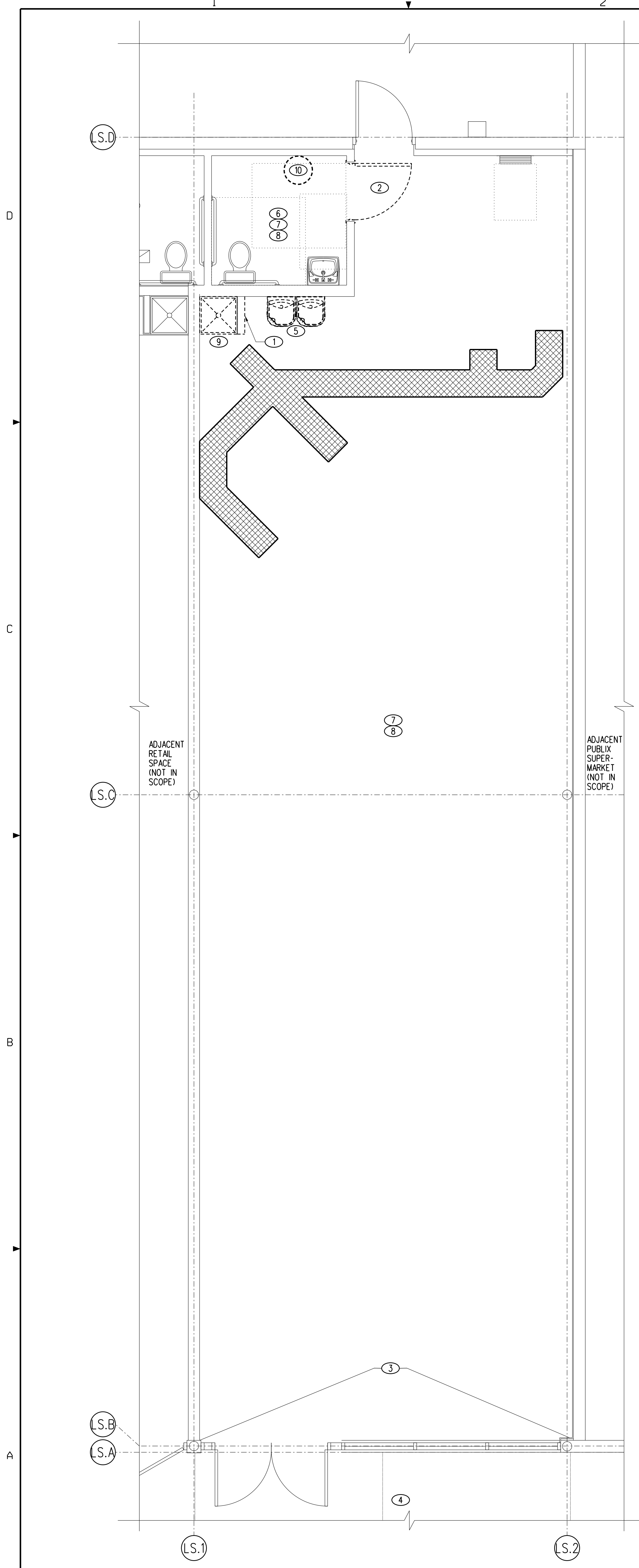


GENERAL ABBREVIATIONS

Table of general abbreviations with columns for letters A through Z and their corresponding terms. Includes terms like AIR CONDITIONING, BOARD, BUILDING, BLOCKING, BEAM OR BENCH MARK, BOTTOM OF, BOTTOM OF CONDUIT, BOTTOM OF DUCT, BOTTOM OF FOOTING, BOTTOM OF PIPE, BOTTOM OF STEEL, BOTTOM OF BASE PLATE, BURM, C, CALCULATE, CATALOG, CATCH BASIN, CUBIC FOOT OR FEET, CUBIC FEET PER HOUR, CUBIC FEET PER MINUTE, CURB INLET OR CAST IRON, CONTROL JOINT, CENTERLINE, CEILING, CLOSET, CLEAR, CORRUGATED METAL PIPE, CONCRETE MASONRY UNIT, CLEAN OUT, COLUMN, CONCRETE, CONSTRUCTION, CONTINUOUS, CONTRACTOR, CORRIDOR, CARPET, CERAMIC TILE, CENTER, CUBIC FOOT OR FEET, CUBIC YARDS, COLD WATER, CUBIC YARDS, D, DEGREE, DEMOLITION, DETAIL, DRINKING FOUNTAIN, DIAMETER, DIAGONAL, DEAD LOAD, DOWN, DOWNSPOUT, DRAWING, DOWEL, EAST, EACH, EACH FACE, EXTERIOR INSULATION FINISH SYSTEM, EXPANSION JOINT, REFERENCE ELEVATION, ELEVATOR OR ELEVATION, EMERGENCY ENCLOSURE, ENGINEER, ENGINEERING, EDGE OF SLAB, ENVIRONMENTAL PROTECTION AGENCY, EQUAL EQUIPMENT, EACH SIDE, EXPOSED STRUCTURE, ESTIMATE, ET, CETERA, EACH WAY, ELECTRIC WATER COOLER, EX, EXIST, EXT, EXTERIOR, DEGREES FAHRENHEIT, FLORIDA BUILDING CODE, FLOOR DRAIN OR FIRE DAMPER, FOUNDATION, FIRE EXTINGUISHER, FIRE EXTINGUISHER CABINET, FAR FACE OR FINISHED FLOOR, FINISHED GRADE, FIRE HYDRANT, FIRE HOSE CABINET, FIGURE, FLOOR, FLEXIBLE, FACTORY MUTUAL, FACE OF, FIBERGLASS REINFORCED POLYESTER PANELS, FIRE RETARDANT TREATED, FOOT OR FEET, FOOTING OR FITTING, FIELD VERIFY, FIRE VALVE CABINET, GAUGE, GALLONS, GALVANIZED, GRADE BEAM OR GRAB BAR, GENERAL CONTRACTOR, GENERAL OR GENERATOR, GALVANIZED HOLLOW METAL, GALVANIZED IRON, GALLONS PER MINUTE, GYPSUM WALLBOARD, GYPSUM, HAZARDOUS, HOSE BIBB, HEAD, HARDWARE, HORIZONTAL, HOLLOW METAL, HIGH POINT OR HORSEPOWER, HOUR, HEIGHT, HEATER, HEATING VENTILATION AND AIR CONDITIONING, INTERNATIONAL BUILDING CODE, INSIDE DIAMETER, INVERT ELEVATION, INCHES, INFORMATION, INTERIOR OR INTERNAL, INVERT, IRON PIPE, JANITOR, JANITOR, EACH JOINT, POUNDS PER SQUARE FOOT, POUNDS PER SQUARE INCH, PAINTED, PARTITION, PRESSURE TREATED, QUARRY TILE, QUANTITY, QUALITY, RADIUS, RISER OR RED, RETURN AIR, ROOF DRAIN, REINFORCING STEEL BAR, RECESSED, REFERENCE, REFRIGERATION, REINFORCED OR REINFORCEMENT, RELOCATED, REPRESENTATIVE, REQUIRED, REQUIREMENT, REVISION, RIGHT HAND, ROOM, REMOTE, ROUGH OPENING, SOUTH, SANITARY, SCHEDULE OR SCHEDULED, SCHEMATIC, SECTION, SHEET, SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION, SPACE, STANDARD PLUMBING CODE, SPECIFICATIONS, SQUARE, SQUARE FEET, STAINLESS STEEL, SUBSOIL DRAIN, SOUND TRANSMISSION CLASS, STANDARD, STEEL, STORAGE OR STRUCTURAL, TOP AND BOTTOM, TONGUE AND GROOVE, TO BE DETERMINED, TABLE, TECHNICAL, TELEPHONE, THICK, TOP OF, TOP OF BOND BEAM, TOP OF CONCRETE, TOP OF DUCT, TOP OF FOOTING, TOP OF STEEL, TOP OF WALL, TOP OF PAVEMENT, TUBE STEEL, TESTING, TYPICAL, UNDERCUT, OR UNDERCOUNTER, UNDERWRITER'S LABORATORIES, UNLESS NOTED OTHERWISE, UNINTERRUPTIBLE POWER SUPPLY, UTILITY, VOLTS, VAPOR BARRIER, VINYL COMPOSITION TILE, VELOCITY, VERTICAL, VESTIBULE, VERIFY IN FIELD, VINYL TILE, VENT THROUGH ROOF, VINYL WALL COVERING, WASTE, WATTS, WEST OR WIDTH, WITH, WATER CLOSET, WOOD, WATER HEATER, WITHOUT, WORKING POINT, WATER RESISTANT, WATER STOP, WEIGHT, WELDED WIRE FABRIC, YARD (S).

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Key Plan:  
EVERGREEN ENVIRONMENT  
Jacobs Project No.: F6-W753-00-0504LS  
Drawing Title:  
GENERAL NOTES AND ABBREVIATIONS  
Date: 06/08/23  
Designed By: P. BEGANY  
Drawn By: P. BEGANY  
Checked By: M. MATOS  
Drawing No.:  
G-1



### GENERAL NOTES:

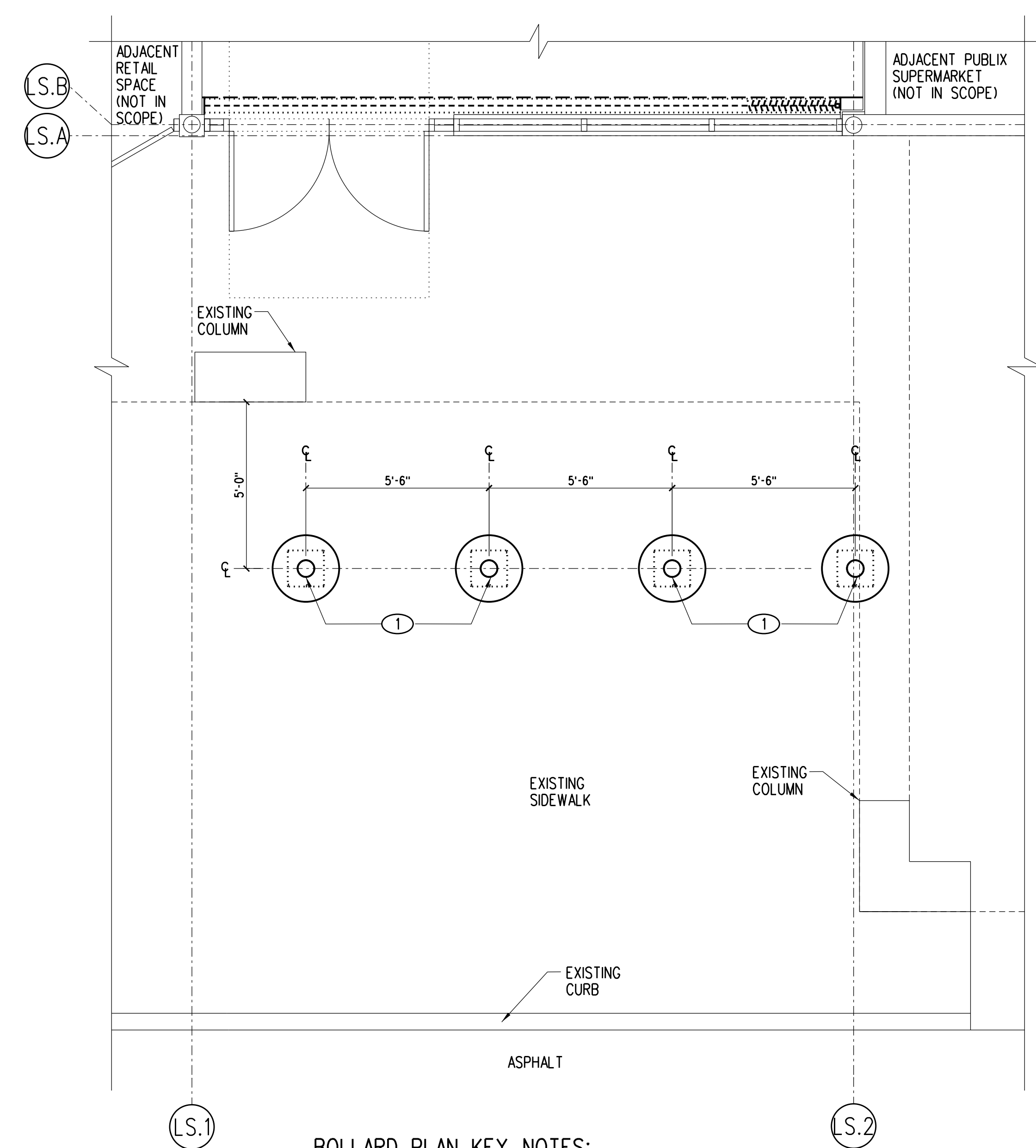
- A. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF ANY VARIANCES FROM EXISTING CONDITIONS SHOWN.
- B. REFER TO ELECTRICAL, MECHANICAL, STRUCTURAL, REFRIGERATION AND FIRE PROTECTION DOCUMENTS FOR ADDITIONAL DEMOLITION ASSOCIATED WITH THOSE DISCIPLINES.

### DEMOLITION PLAN LEGEND:

- ITEMS TO BE REMOVED
- INDICATES MINIMUM TRENCHING FOR NEW PLUMBING AND ELECTRICAL LINES. REF P-2 FOR PLUMBING LINE LOCATIONS, AND E-3 FOR ELECTRICAL LOCATIONS. PATCH SLAB PER DETAIL D2/A-4. TYPICAL TRENCHING SHALL BE 18" WIDE. TRENCHING WIDTH MAY BE ADJUSTED TO SUIT FIELD CONDITIONS.
- EXISTING CONDITIONS TO REMAIN

### DEMOLITION PLAN KEY NOTES:

- 1 REMOVE EXISTING WALL
- 2 REMOVE EXISTING DOOR AND FRAME
- 3 INTERIOR FACE OF SOFFIT ABOVE STOREFRONT WILL NEED TO BE RECONSTRUCTED TO ACCOMMODATE NEW SECURITY GRILLE TRACK. REMOVE EXISTING GYP BD AS REQUIRED. REFER A3/A-5 FOR ADDITIONAL INFORMATION.
- 4 REFER A3/A-1 FOR BOLLARD PLAN
- 5 REMOVE EXISTING EWC
- 6 REMOVE ALL EXISTING TOILET ACCESSORIES, PLUMBING FIXTURES AND GRAB BARS TO REMAIN.
- 7 REMOVE EXISTING FLOORING AND SUBSTRATE, BASE, EQUIPMENT, AND CEILING SYSTEM.
- 8 REMOVE EXISTING FINISHES AND SIGNAGE.
- 9 REMOVE EXISTING MOP SINK.
- 10 EXISTING WH TO BE RELOCATED. SEE A1/A-2 FOR NEW LOCATION.



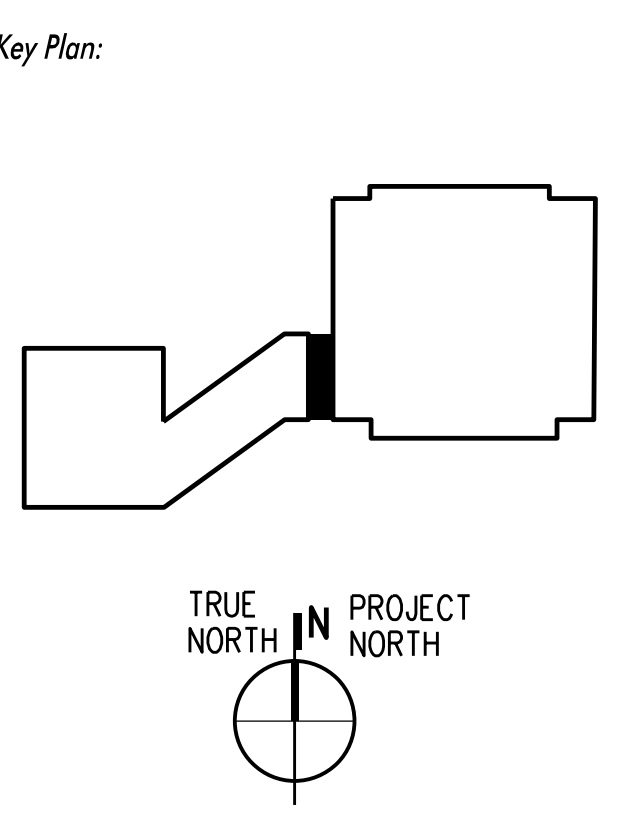
### BOLLARD PLAN KEY NOTES:

- 1 NEW BOLLARD. REF A5/A-4 FOR NEW FINISH

**A1** DEMOLITION PLAN  
A-1  
0 1 2 4 8  
1/8" = 1'-0"

**A3** BOLLARD PLAN  
A-1  
0 1 2 4 8  
1/8" = 1'-0"

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EVERGREEN ENVIRONMENT  
 Jacobs Project No.: F6-W753-00-0504L5  
 Drawing Title:

DEMOLITION PLAN  
 AND BOLLARD PLAN

**LVT LEGEND:**

- WP417 BLACK/GRAY/SILVER KARNDEN SYLVIA 9" X 48" X 1/2" LVT PLANK

**VCT LEGEND:**

- 1- FIELD TILE- 51915 CHARCOAL ARMSTRONG IMPERIAL TEXTURE STANDARD (12x12x1/8")

**LVT NOTES:**

1. FLOOR TILES TO BE INSTALLED IN A HERRINGBONE PATTERN. LAYOUT SHOWN IS A REPRESENTATION OF VERTICAL PATTERN. INSTALLATION LAYOUT HAVE TO BE EXACT OR SIMILAR.
2. DO NOT WAX AND SEAL LVT FLOOR DURING OR AFTER CONSTRUCTION.

**VCT NOTES:**

1. FLOOR TILES TO BE INSTALLED IN A PATTERN LAYOUT SHOWN IS A REPRESENTATION OF SIMILAR PATTERN.
2. INTERIOR FLOOR CHANGES IN VERTICAL LEVEL SHALL NOT EXCEED 1/4" HIGH. CHANGES IN LEVEL BETWEEN 1/4" HIGH MINIMUM AND 1/2" HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2 (PER ADA REQUIREMENTS - FACBC SECTION 303.2 AND SECTION 303.3).

**FLOOR AND WALL FINISH PLAN LEGEND:**

**FLOORS:**

- LVT LUXURY VINYL TILE - SEE DETAIL A3/A-2 FOR LVT DESIGN LAYOUT.
- VCT VINYL COMPOSITION TILE - SEE DETAIL A3/A-2 FOR VCT DESIGN LAYOUT.
- CF-E EXISTING CONCRETE TO REMAIN, PROVIDE SEALER

**WALLS:**

- EP-3 PANTONE CUSTOM MATCH PMS 363C (GREEN)
- EP-4 SHERWIN WILLIAMS SW 7029 AGREEABLE GRAY
- EP-5 SHERWIN WILLIAMS SW 7019 GAUNTLET GRAY
- FRP-2 FIBERGLASS REINFORCED POLYESTER, SUDENTIA "STRUCTOGLAS FRFR" - "WHITE" MARBLE "STANDARD FRP" - "WHITE" GLASTEEL "GLASLNER FRP" - "BRIGHT WHITE" CRANE COMPOSITES (KEMLITE) "FIRE-X GLASBORD" - "WHITE"
- EB-2 VINYL BASE, 6" JOHNSONITE BURNT UMBER

NOTE: PAINT FINISH TO BE SEMIGLOSS THROUGHOUT LIQUOR STORE.

**PLASTIC LAMINATE:**

- EL-2 WILSONART B210K-28 "PORTICO TEAK" (ALL CASEWORK)

**FLOOR PLAN LEGEND:**

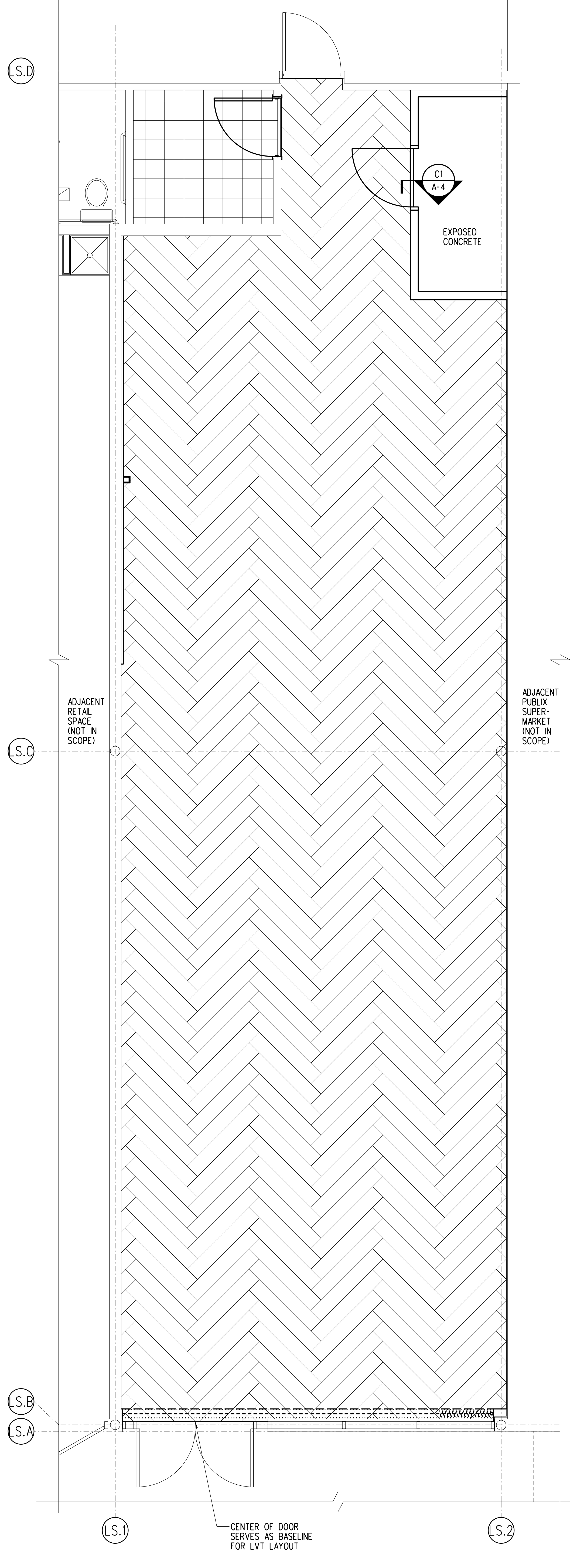
- EXISTING WALL.
- EXISTING 1-HOUR RATED WALL (UL #419). REF C5/A-5 FOR MISC. PENETRATIONS OF EXISTING TENANT SEPARATION WALL.
- EXISTING 1-HOUR RATED WALL (UL #900). REF A5/A-5 FOR MISC. PENETRATIONS OF EXISTING SEPARATION WALL.
- NEW STUD WALL WITHOUT SOUND BATT INSULATION.
- NEW STUD WALL WITH INSULATION, REF TO C3/A-5 FOR INSULATION TYPE.
- PARTITION SYMBOL. REF DETAIL C3/A-5.
- SS CORNER PROTECTOR. REF DETAIL D1/A-4.

**GENERAL NOTES:**

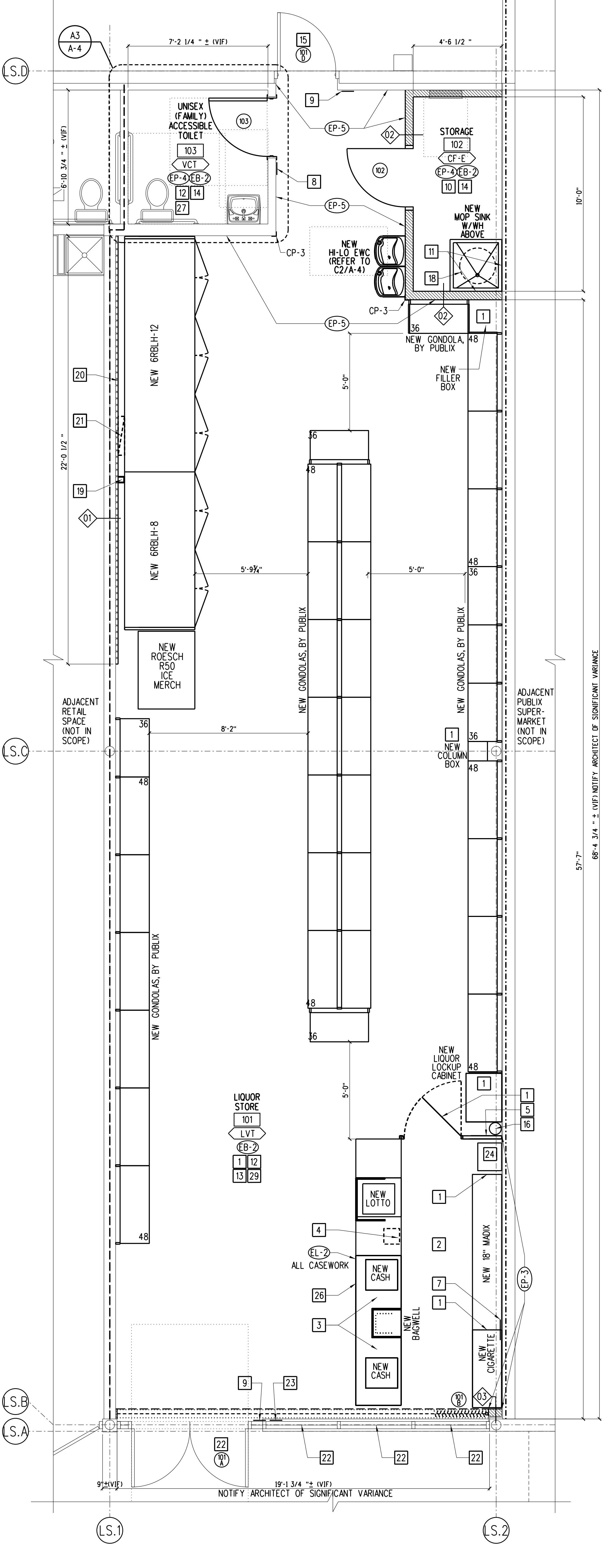
- A. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. CONTRACTOR SHALL PATCH AND REPAIR EXISTING CONSTRUCTION DAMAGED DURING WORK INSIDE OR OUTSIDE THE BUILDING. REPAIRS SHALL MATCH EXISTING FINISH CONDITIONS.
- B. ALL DIMENSIONS ARE TO FINISH FACE UNDO.
- C. CONTRACTOR SHALL CUT AND PATCH SLABS AND WALLS AS NECESSARY TO ACCOMMODATE NEW PLUMBING WORK. REF PLUMBING.
- D. ALL WALL AND COLUMN FINISHES TO BE CLASS A, UNLESS OTHERWISE NOTED.
- E. CONTRACTOR SHALL PATCH/REPAIR ALL EXISTING DRYWALL TO REMAIN AS REQUIRED AND PREPARE FOR DESIGNATED FINISH.

**FLOOR PLAN KEY NOTES:**

- NOTES NOT APPLICABLE IF NOT ASSIGNED A NUMBER
- 1 MILLWORK PROVIDED BY PUBLIX, REF A1/A-4.
  - 2 MAINTAIN 36" CLEAR PATH OF EGRESS.
  - 3 3'-0" H MAX X 3'-0" W MIN ACCESSIBLE COUNTER. FACBC-ACCESS. SECTION 904.1
  - 4 NEW MOOD MEDIA PROVIDED BY PUBLIX. CONSULT WITH PUBLIX ON SITE REF FOR LOCATION. REFER TO SHEET E-3 FOR ADDITIONAL INFO.
  - 5 NEW PLASTIC LAMINATE FILLER PANEL, MATCH FINISH OF NEW MILLWORK. PROVIDE SOLID WOOD BACKING AS REQUIRED IN FURRED WALL CAVITY AT FILLER PANEL LOCATION, 8" WIDE CENTERED ON PANEL. (MILLWORK PROVIDED BY PUBLIX, REF A1/A-4).
  - 6 NOT USED
  - 7 PUBLIX TO PROVIDE OVERHEAD SIGN W/ INTERNATIONAL WHEELCHAIR SYMBOL AND MESSAGE "ASSISTANCE IS AVAILABLE UPON REQUEST", REF SIGN "N", D3/A-4.
  - 8 PUBLIX TO PROVIDE ACCESSIBLE FAMILY RESTROOM SIGN. REF SIGN "E", D3/A-4.
  - 9 PUBLIX TO PROVIDE EXIT SIGN, REF SIGN "L", D3/A-4.
  - 10 INSTALL FRT 1/2" PLYWD OVER NEW/EXISTING WALL SUBSTRATE. REF DETAIL B5/A-4.
  - 11 PROVIDE WALL PANELS (FRP-2) 4' X 4' ON BOTH SIDES OF NEW MOP SINK, REF TO FLOOR AND WALL FINISH PLAN LEGEND. REFER TO SHEET P-1 FOR PLUMBING FIXTURE SCHEDULE AND P-2 FOR PLUMBING PLAN.
  - 12 PRIOR TO INSTALLING LVT/VCT, PROVIDE QUIKRETE 1249-51 FLOOR RESURFACER THROUGHOUT AS REQUIRED TO PROVIDE ADEQUATE SUBSTRATE.
  - 13 APPLY PAINT EP-4 UNLESS OTHERWISE NOTED.
  - 14 PAINT DOOR FRAME EP-5.
  - 15 EXISTING DOOR TO REMAIN, PAINT INTERIOR SIDE OF EXTERIOR DOOR AND DOOR FRAME EP-4.
  - 16 NEW CLASS ABC TYPE 2A10B-C, 5 LB NOMINAL CAPACITY WITH PRESSURE GAUGE IN ACCORDANCE WITH NFPA-10 CONFIRM UP TO DATE INSPECTION. EXTINGUISHER SHALL NOT EXCEED 4'-0" ABOVE FINISH FLOOR.
  - 17 NOT USED
  - 18 RELOCATED WATER HEATER. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFO.
  - 19 NEW METAL CHASE. REFER DETAIL B3/R-2.
  - 20 PROVIDE 3/4" EXTRUDED POLYSTYRENE (STYROFOAM) INSULATION AND NEW 3/4" GYP BD TO EXTENT INDICATED. PATCH/REPAIR/REFINISH 3/4" GYP BD TO RECEIVE NEW FINISH AS REQUIRED. USE TYPE X 3/8" GYP BD AT TENANT SEPARATION WALL. THE REFRIGERATION CONTRACTOR SHALL PROVIDE ALUMINUM CLOSURE AT THE CASE, FROM TOP OF CASE TO WALL, AND AT ENDS OF CASE RUN. FASTEN TO CASE WITH ALUMINUM SCREWS.
  - 21 NEW AIR RETURN DROP ABOVE REFRIGERATION CASE WRAPPED IN SHEET METAL PAINTED TO MATCH ADJACENT WALL.
  - 22 INSTALL 3M SCOTCHTINT FILM SERIES NV-35 (NEUTRAL) ON ALL WINDOWS AND DOORS NOTED. INSTALL PER MFR RECOMMENDATIONS.
  - 23 PROVIDE WALL MOUNTED PERMANENT DURABLE SIGN WITH 1 INCH TALL LETTERS ON CONTRASTING BACKGROUND READING SECURITY GATE TO REMAIN "UNLOCKED" WHEN THE STORE IS OCCUPIED. (PER FBC 2020/CHAPTER/SECTION 010.19.4, NO. 2.2)
  - 24 NEW TIDEL CASH CONTROL SAFE. CONTRACTOR TO MOUNT TO FLOOR.
  - 25 NEW PARTITION TO ALIGN WITH EXISTING PARTITION.
  - 26 NEW LIQUOR STORE CUSTOMER SERVICE AREA.
  - 27 APPLY FRP-2 FROM FINISH FLOOR TO APPROX. 1" OVER LIGHT SWITCHES, TO BE APPLIED ON ALL WALLS. PROVIDE ALL ACCENT COMPONENTS.
  - 28 NOT USED
  - 29 NEW 12) COMMUNICATION CABLE WILL BE ROUTED FROM THE STORAGE THROUGH THE FRONT OF PUBLIX LIQUOR STORE WALL, ABOVE THE CEILING, REF DETAIL C5/A-5. RUN THROUGH THE WALL INTO THE CANOPY THEN ALONG THE FACADE TOWARDS PUBLIX SUPERMARKET. NEW COMMUNICATION CABLE WILL ENTER PUBLIX SUPERMARKET AT SIDE WALL ABOVE CEILING LINE, REF DETAIL A5/A-5. FOR WALL PENETRATION DETAIL AND ELECTRICAL FOR ADDL INFORMATION, COORDINATE EXACT LOCATION WITH PUBLIX CONSTRUCTION REP ON-SITE.
  - 30 NOT USED



**A3 LIQUOR STORE LVT/VCT PLAN**

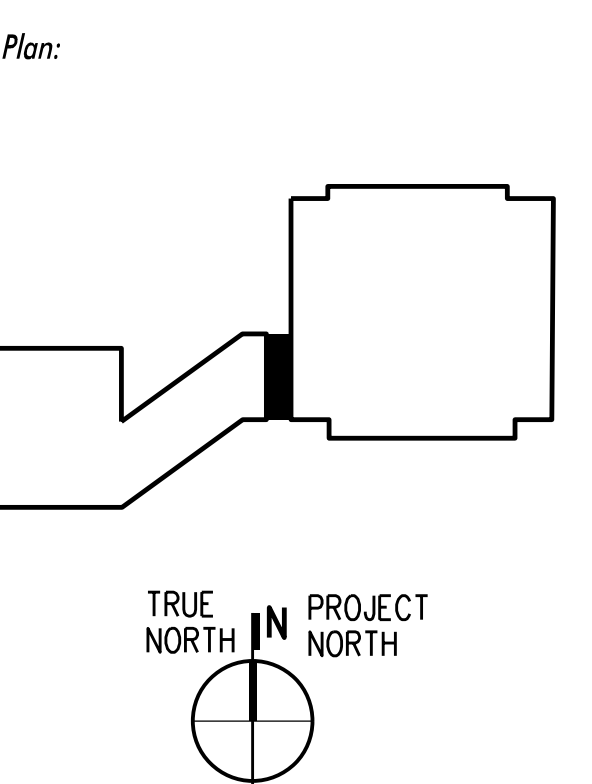


**A1 FLOOR/FINISH PLAN**

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EVERGREEN ENVIRONMENT  
 Jacobs Project No.: F6-W753-00-0504LS

Drawing Title:  
**FLOOR/FINISH AND LVT/VCT PLANS**

GENERAL NOTES:

A. PATCH/REPAIR ROOF AROUND NEW CURB. COORDINATE WITH OWNER'S REP AS APPLICABLE.

KEY NOTES:

- 1 EXISTING AC UNIT REFER TO MECHANICAL AND STRUCTURAL DRAWINGS FOR MORE INFO.
- 2 NEW REFRIGERATION UNIT ON PREFAB PLATFORM CURB AND CAP WITH MOUNTING FRAME. REFERENCE STRUCTURAL DET AS/S-1 AND REFRIGERATION DRAWINGS FOR ADDITIONAL INFO. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL OF PLATFORM CURBS PRIOR TO INSTALLATION. REF REFRIGERATION FOR ADDL INFO. NEW REFRIGERATION UNIT SHALL BE OWNER FURNISHED. REF TO REFRIGERATION DWGS
- 3 FRAMING FOR NEW WALL-MOUNTED WATER TANK. REFERENCE PLUMBING DRAWINGS FOR WATER TANK AND SUPPORT FRAMING. SEE CS/S-1 FOR PLATFORM ATTACHMENT TO EXISTING CMU WALL.

GENERAL NOTES:

- A. ALL NEW CEILING TO BE CLASS A.
- B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- C. GC TO PROVIDE AND INSTALL TWO #10 SAFETY WIRES PER ALL NEW AND IMPROPERLY SUPPORTED EXISTING METAL HALIDE AND/OR FLUORESCENT FIXTURES. ATTACH TO JOIST AT PROPER LOCATION AS COORDINATED WITH ELECTRICAL CONTRACTOR. (ELECTRICAL SHALL ATTACH TO FIXTURE.)

REFLECTED CEILING PLAN KEY NOTES:

- 1 NEW SUSPENDED CEILING SYSTEM TO REMAIN. VIF CEILING HEIGHT AND NOTIFY ARCHITECT OF ANY VARIANCE.
- 2 NEW AIR RETURN DROP ABOVE REFRIGERATION CASE WRAPPED IN SHEET METAL PAINTED TO MATCH ADJACENT WALL.
- 3 NEW METAL CHASE. REFER TO REFRIGERATION DRAWINGS FOR MORE INFORMATION.
- 4 NEW WALL CAP

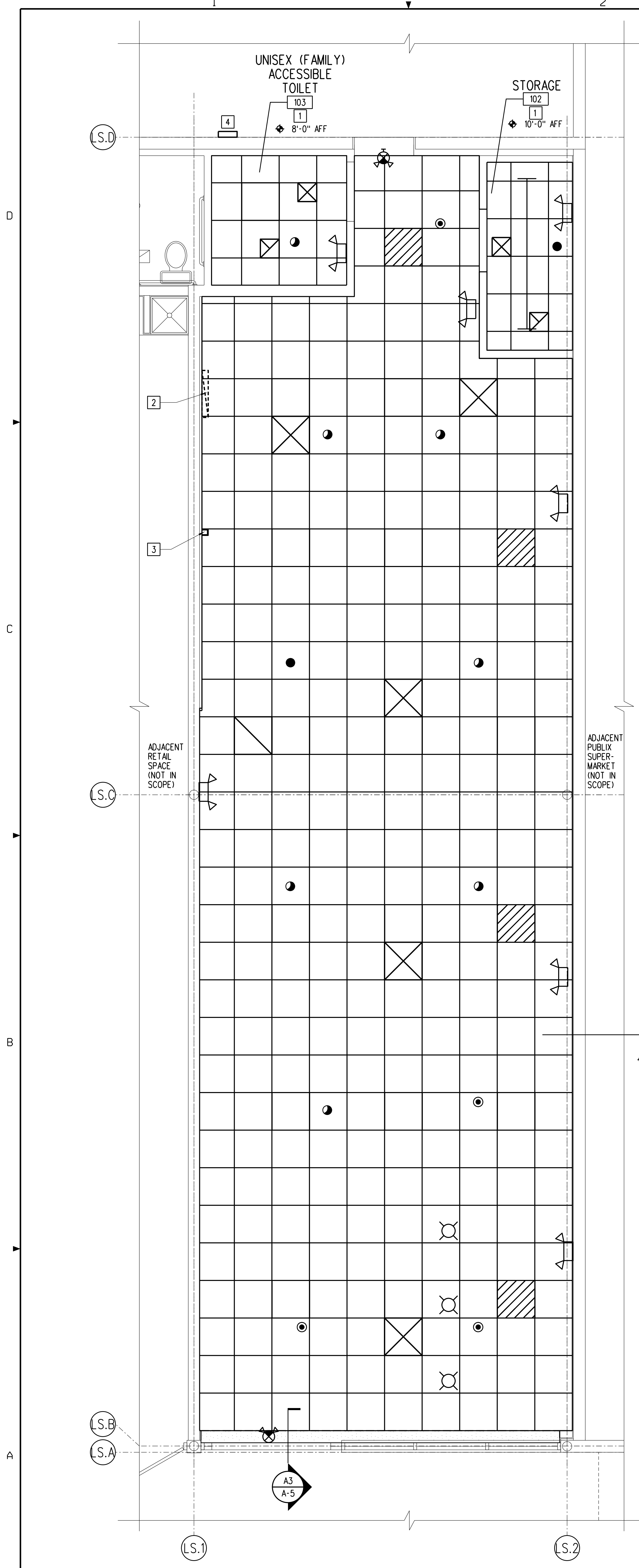
REFLECTED CEILING PLAN LEGEND:

NOTE: NOT ALL SYMBOLLOGY MAY BE RELEVANT TO THIS LOCATION.

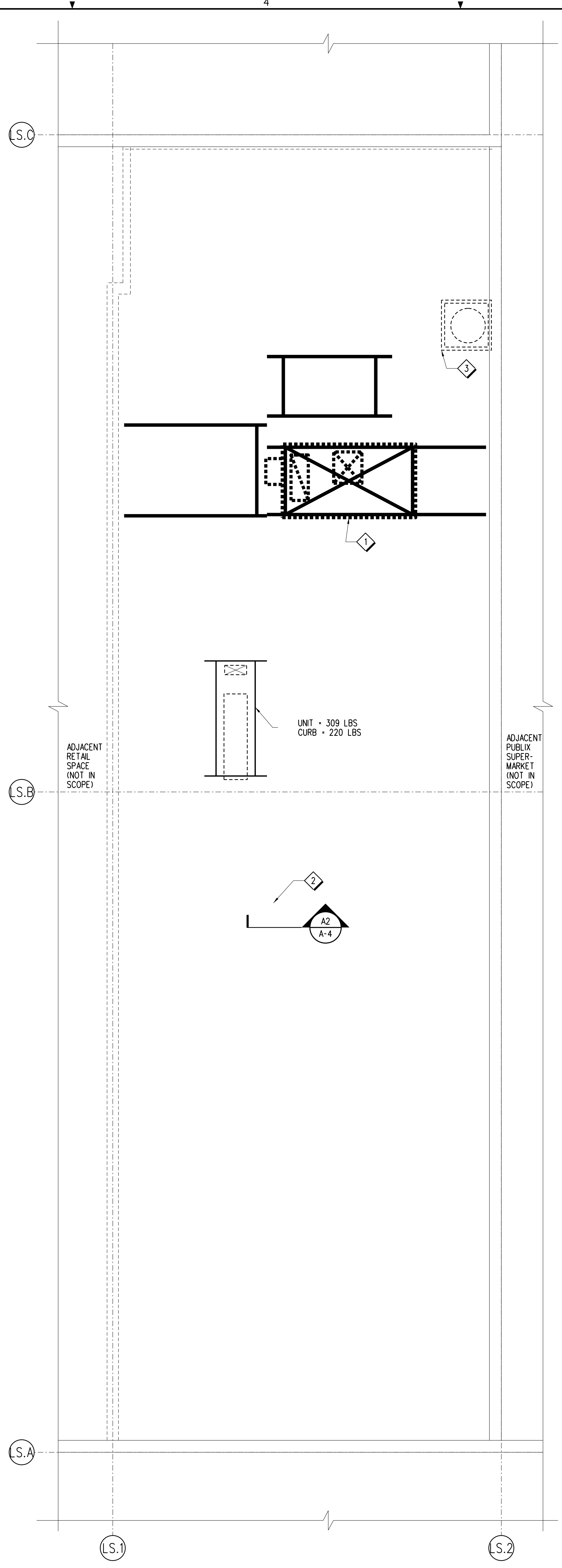
- NEW LIGHT FIXTURES (SEE ELECTRICAL DWGS FOR TYPE)
- RELOCATED LIGHT FIXTURES (SEE ELECTRICAL DWGS)
- EXISTING LIGHT FIXTURES TO REMAIN
- NEW BATTERY PACK LIGHTS FIXTURE. "C" MEANS CEILING MOUNTED, OTHERWISE WALL MOUNTED
- EXISTING SUPPLY AIR DIFFUSER (SEE MECH DWGS)
- EXISTING RETURN AIR GRILLE (SEE MECH DWGS)
- EXISTING EXHAUST FAN (SEE MECH DWGS)
- NEW CEILING TILE - FINE FISSED, RH90, 24"x24"x5/8" SQUARE CUT EDGE, WHITE
- EXISTING CEILING TILE & GRID
- NEW GYPSUM BOARD SOFFIT

SPRINKLER SYMBOLS:

- EXISTING SPRINKLER TO REMAIN
- EXISTING PENDENT SPRINKLER TO BE RELOCATED
- RELOCATED EXISTING PENDENT SPRINKLER
- NEW PENDENT SPRINKLER



A1 REFLECTED CEILING PLAN

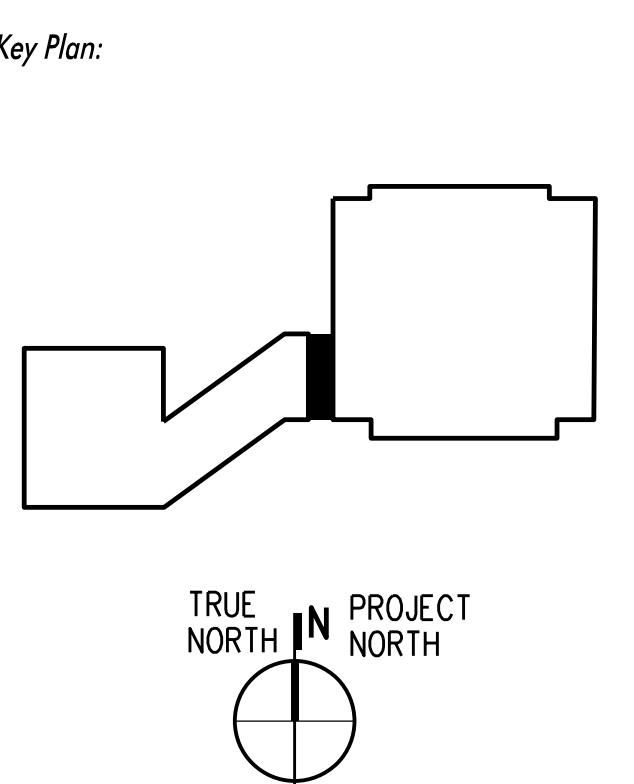


A3 PARTIAL ROOF PLAN

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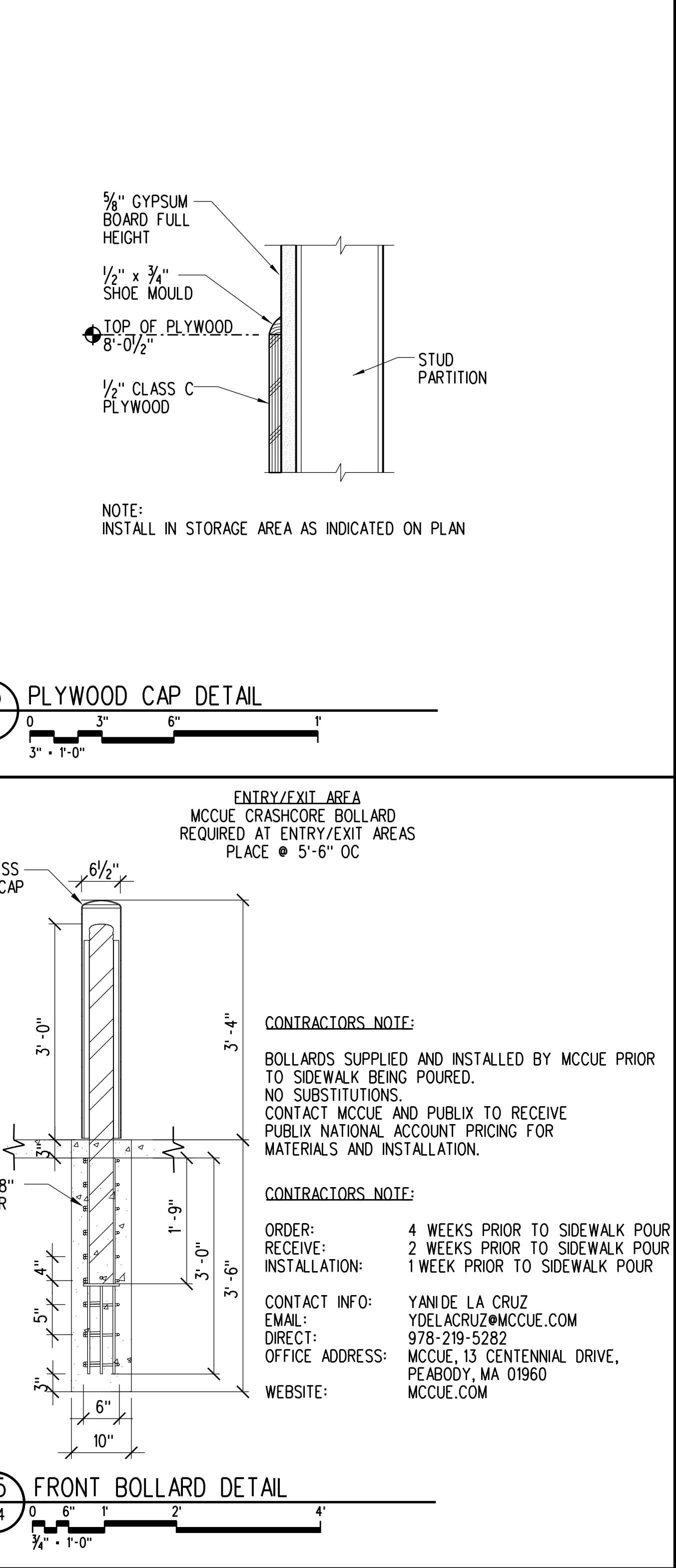
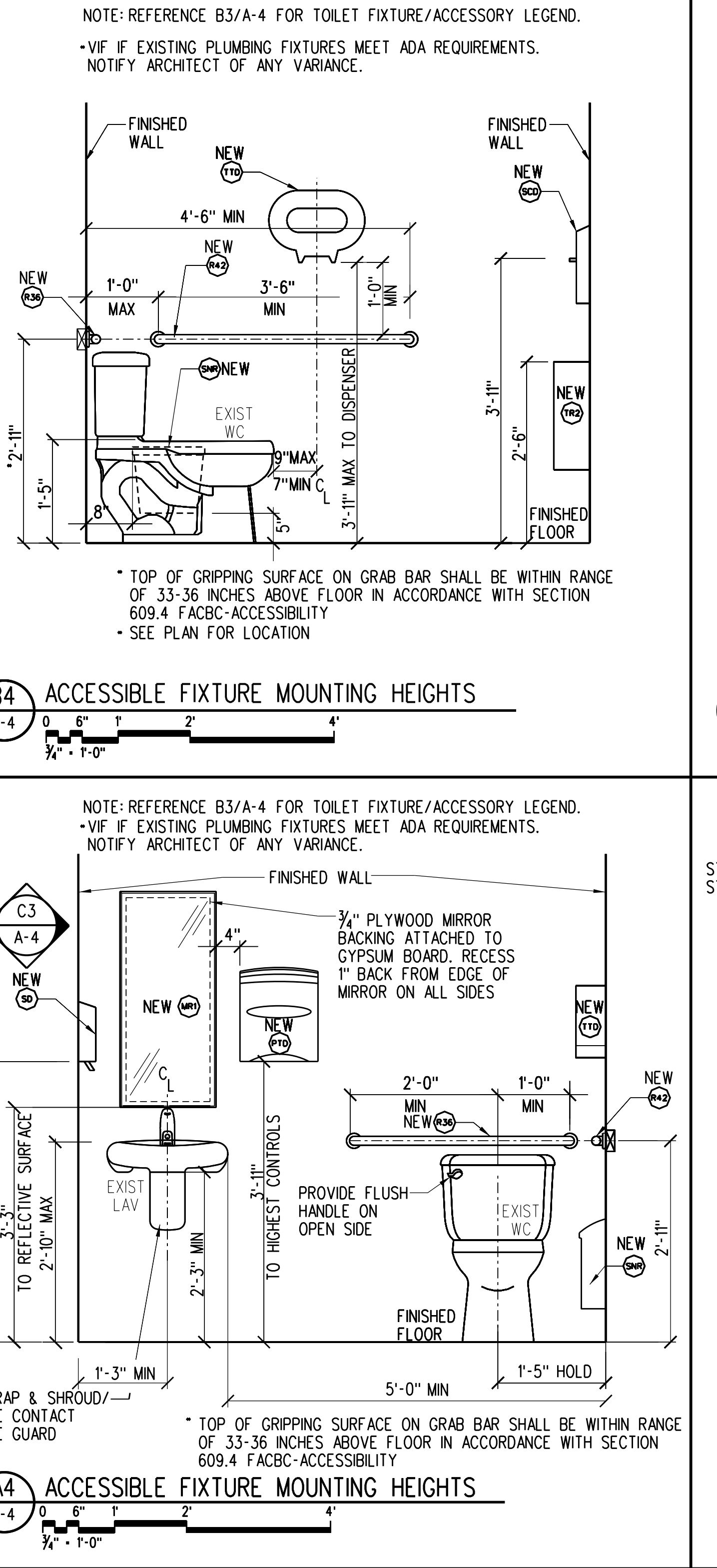
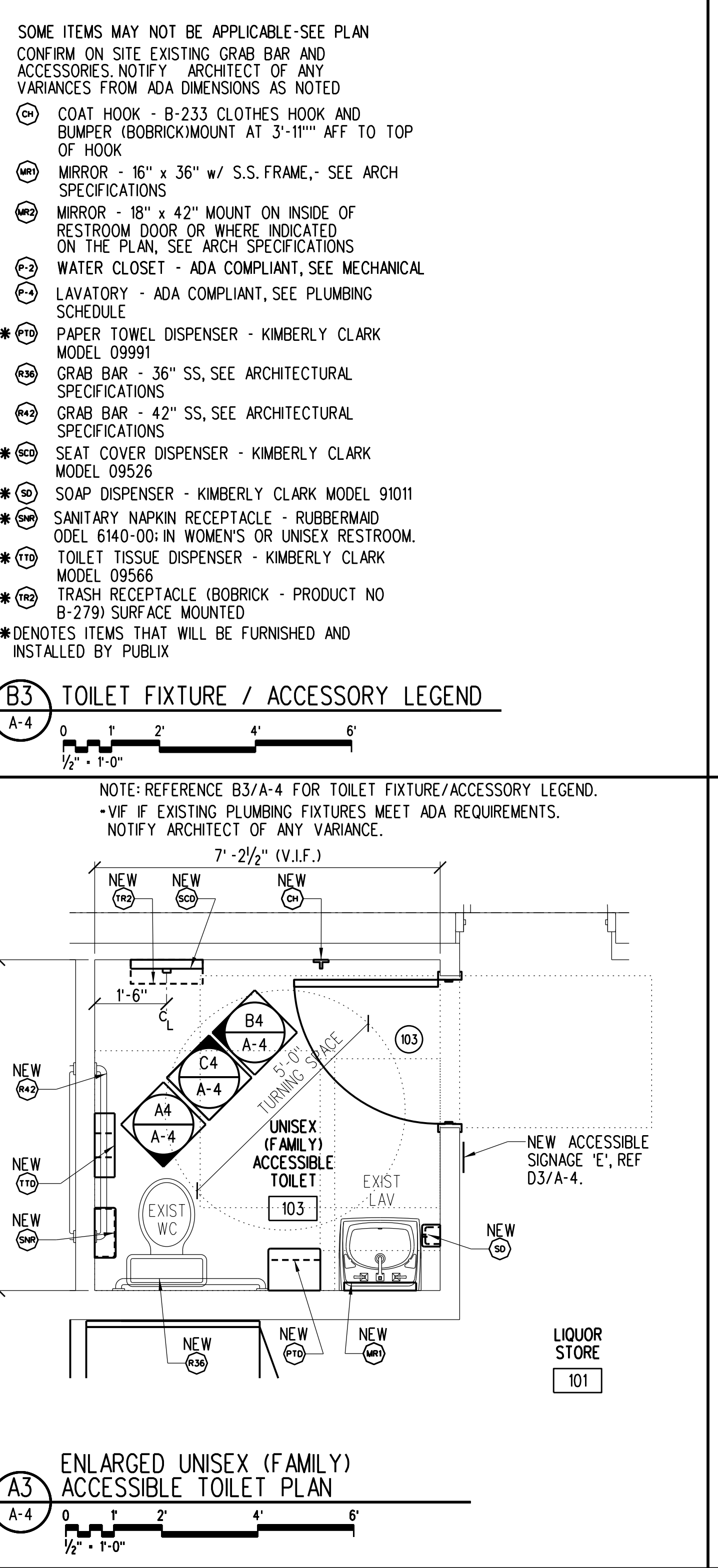
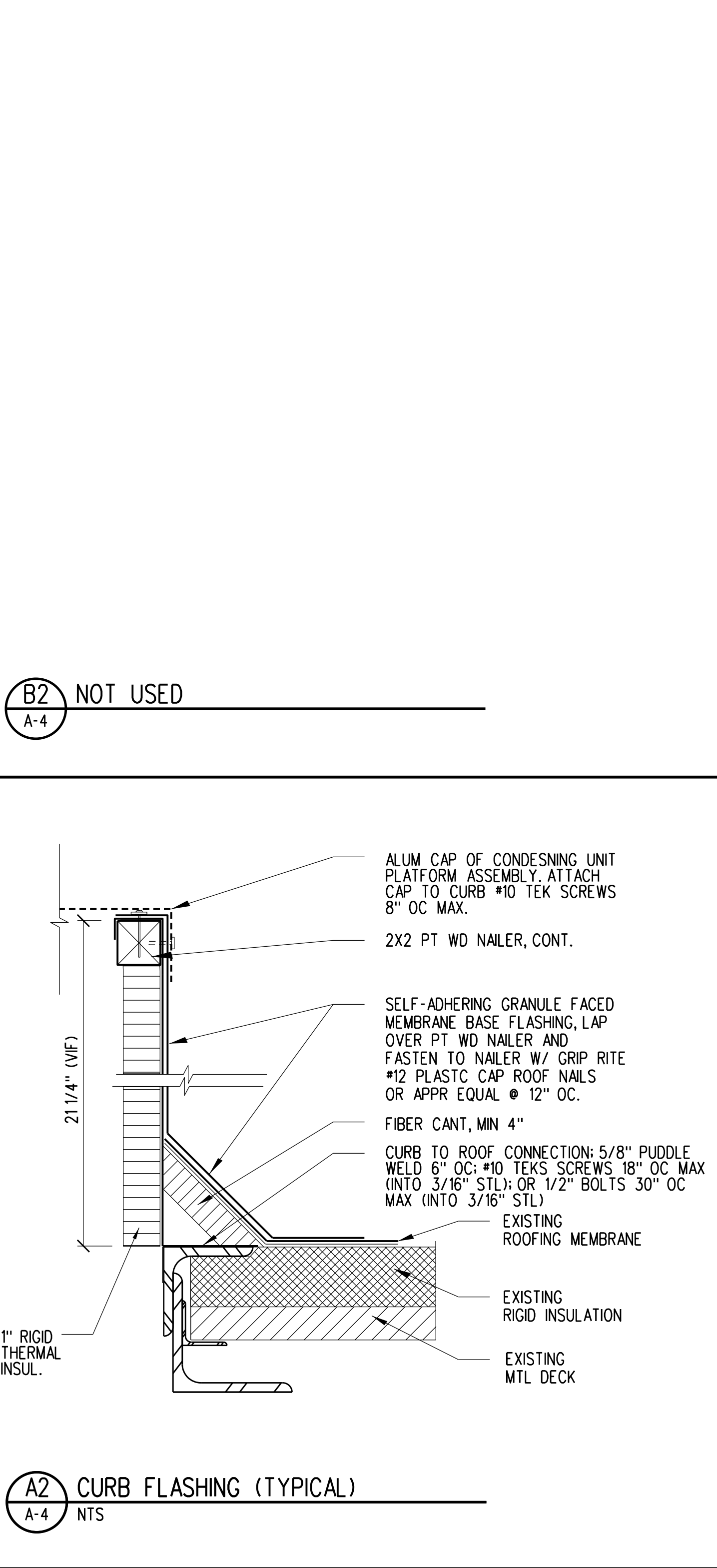
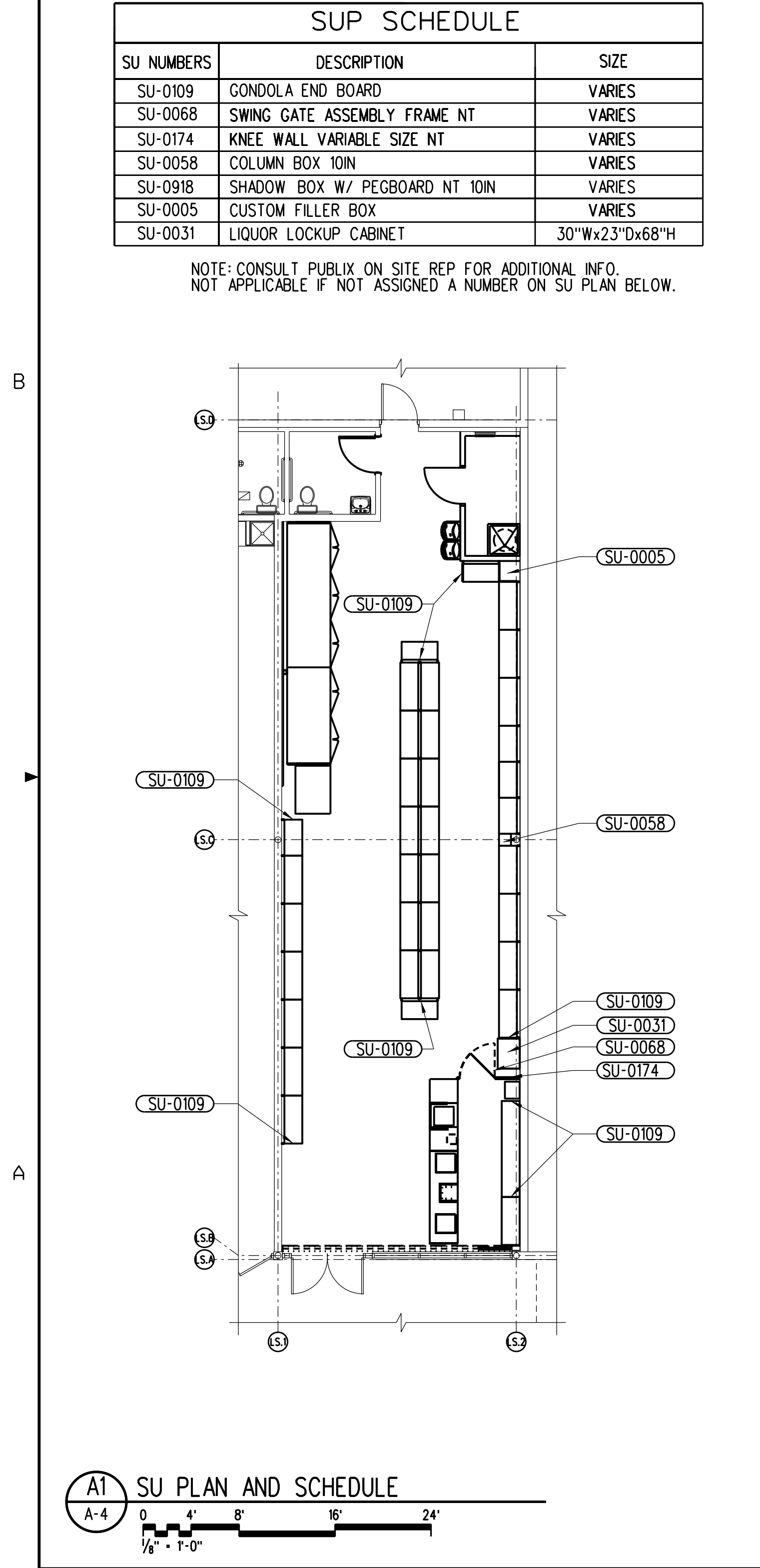
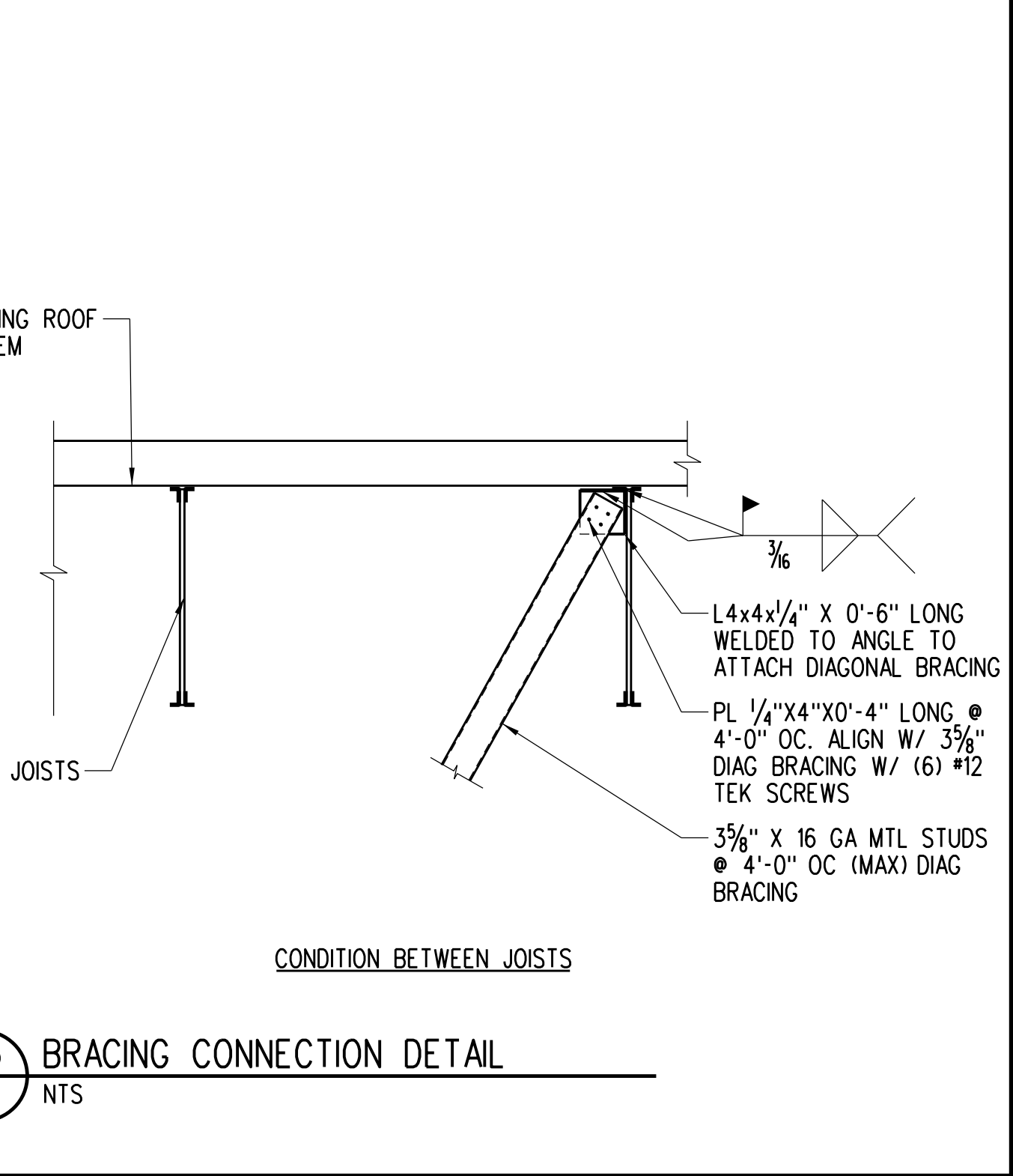
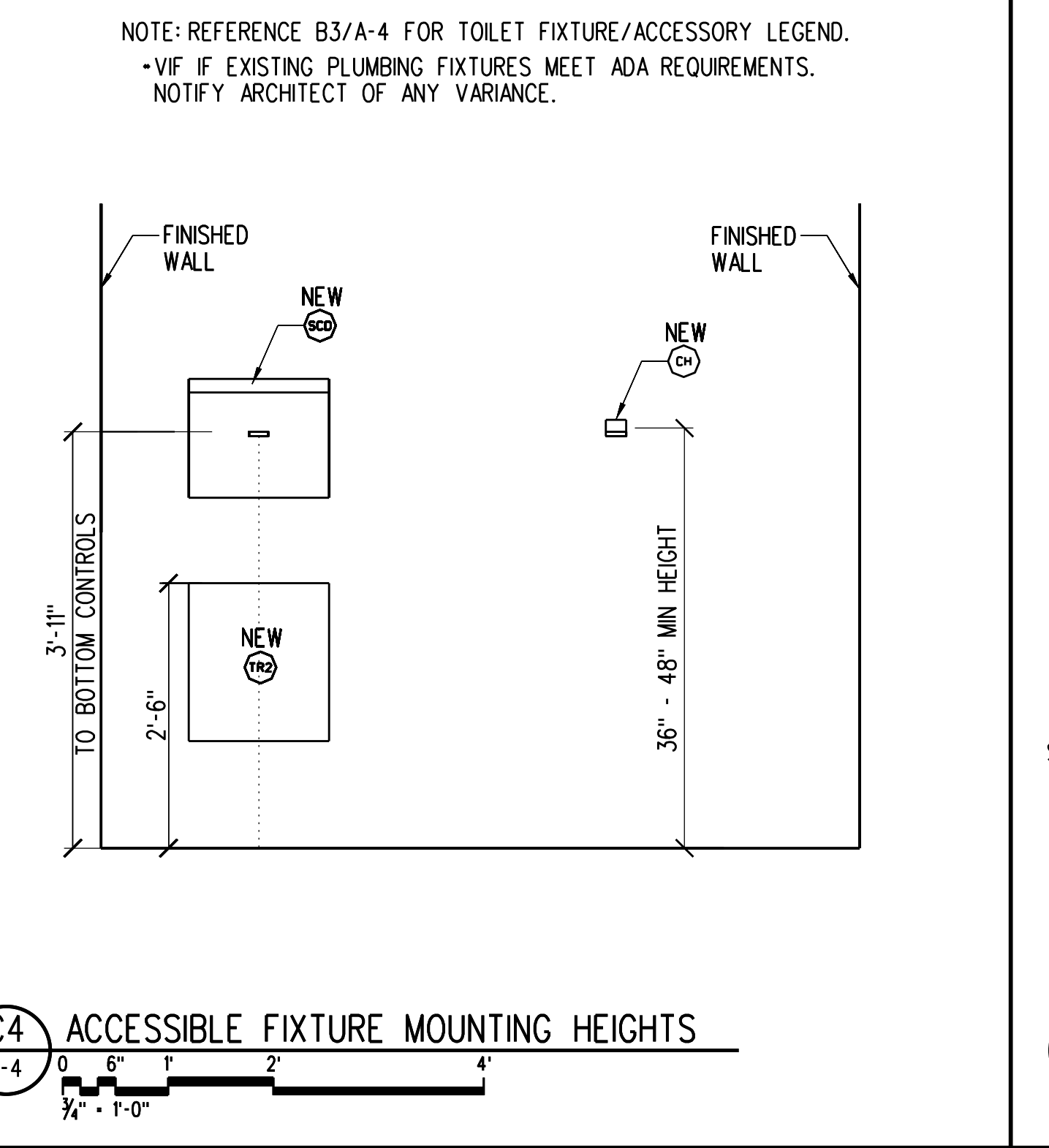
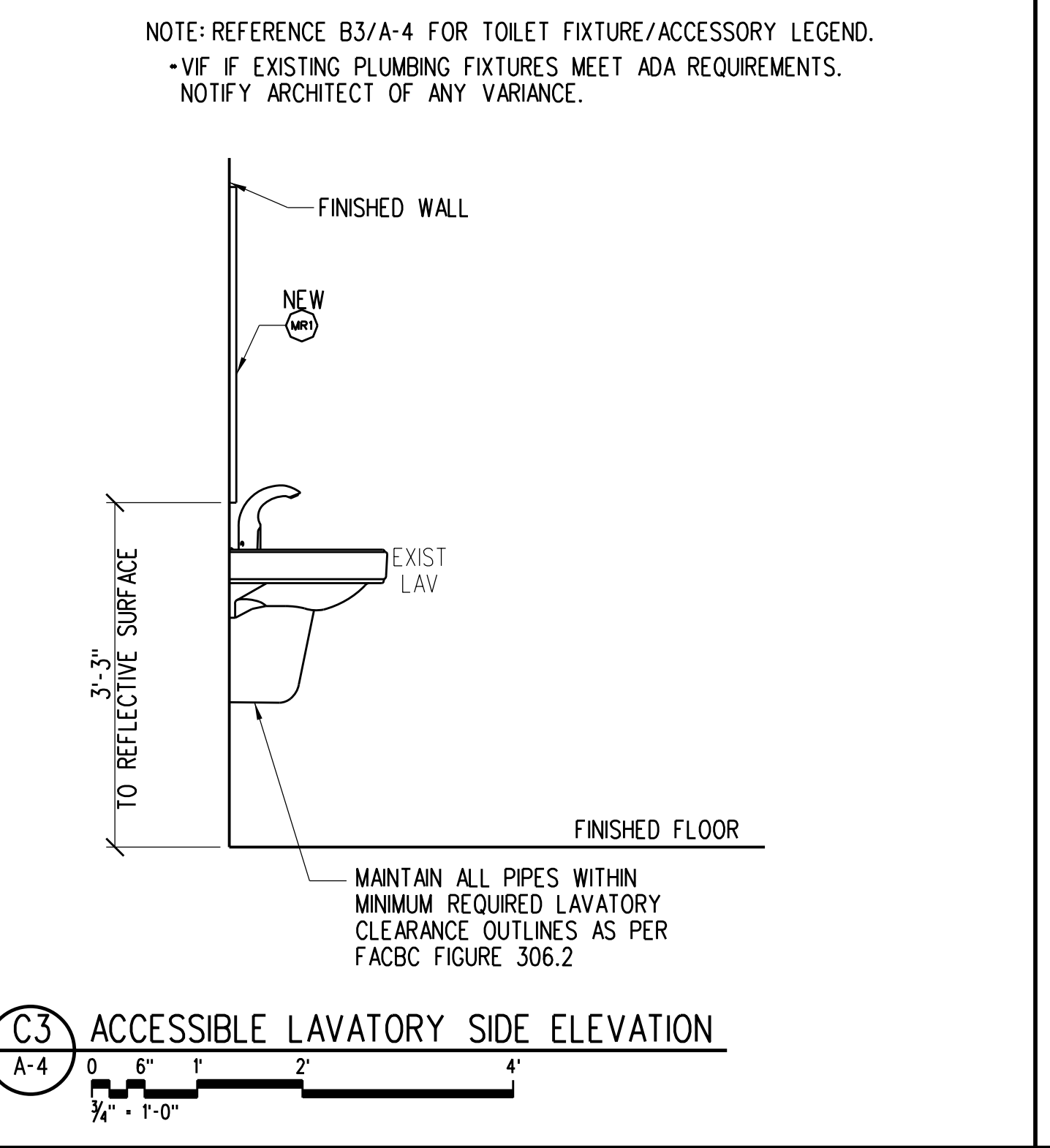
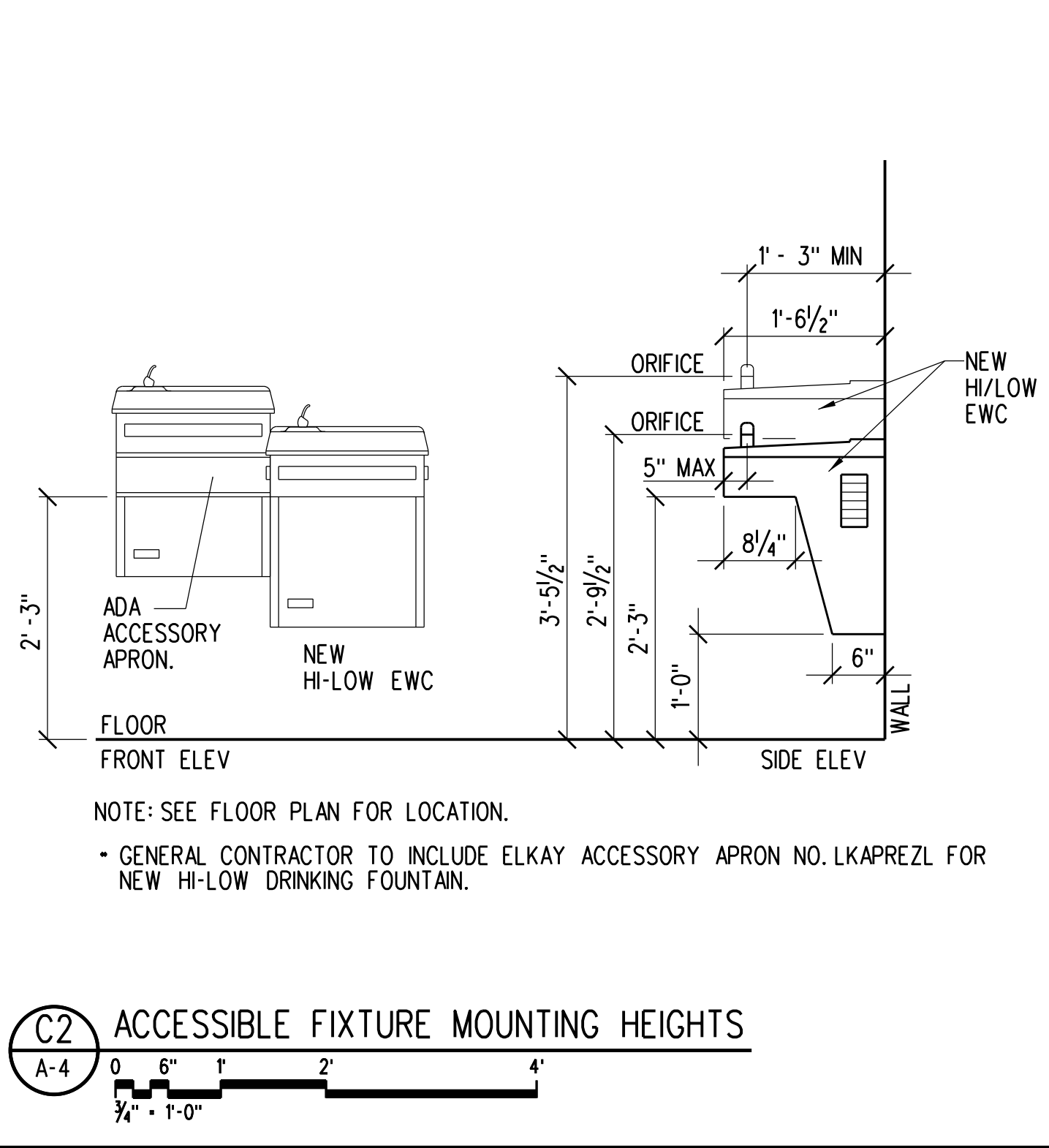
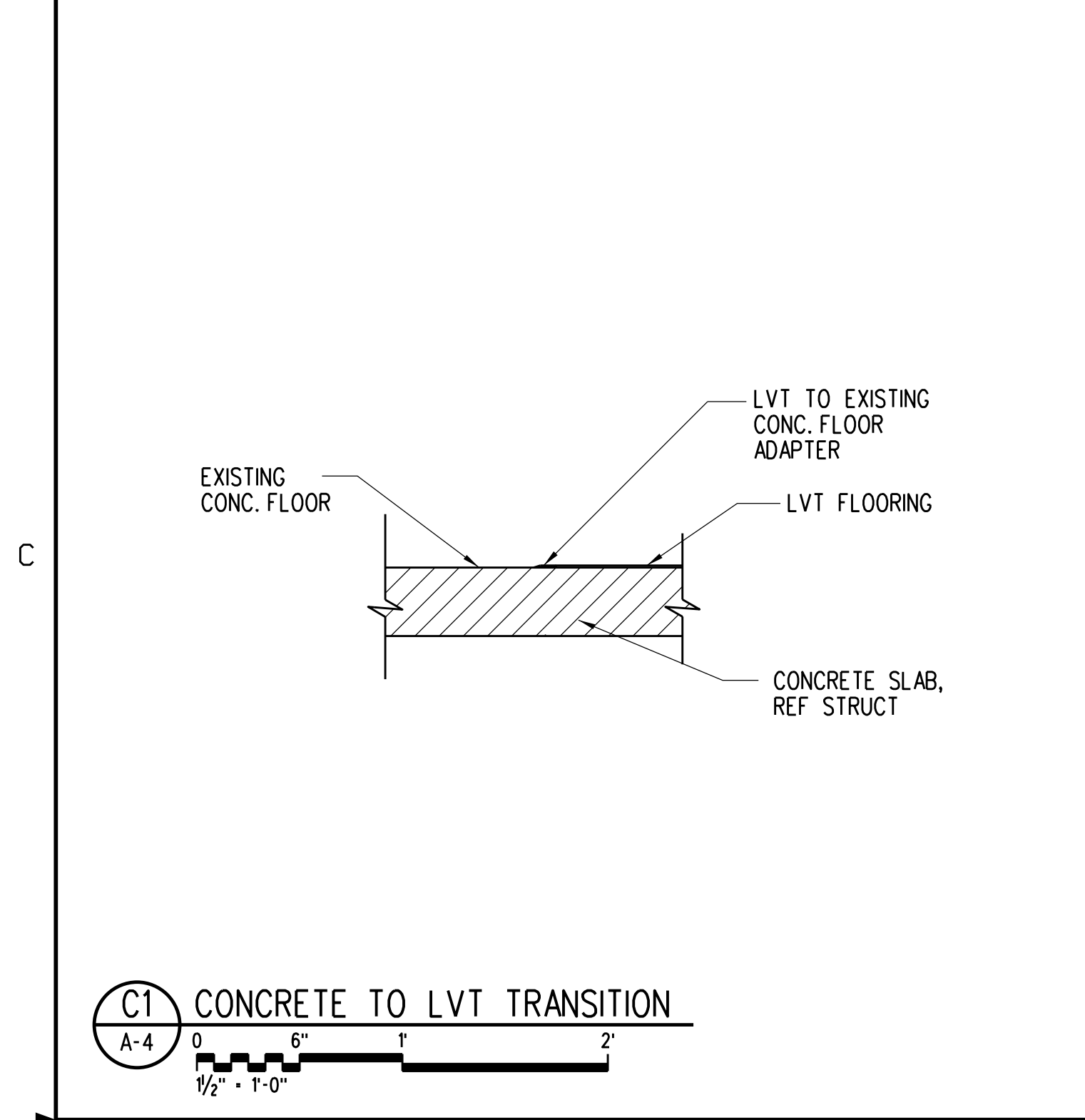
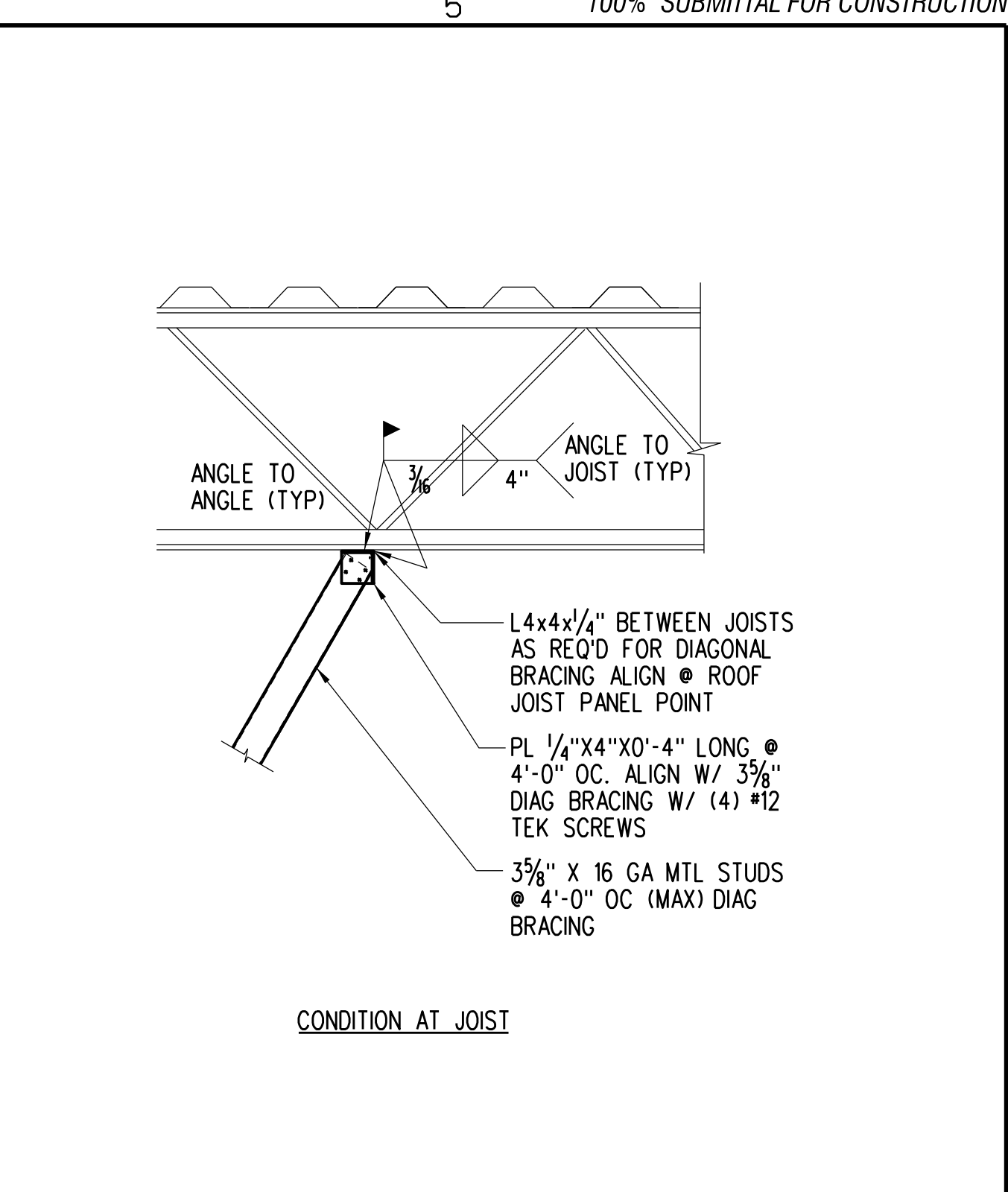
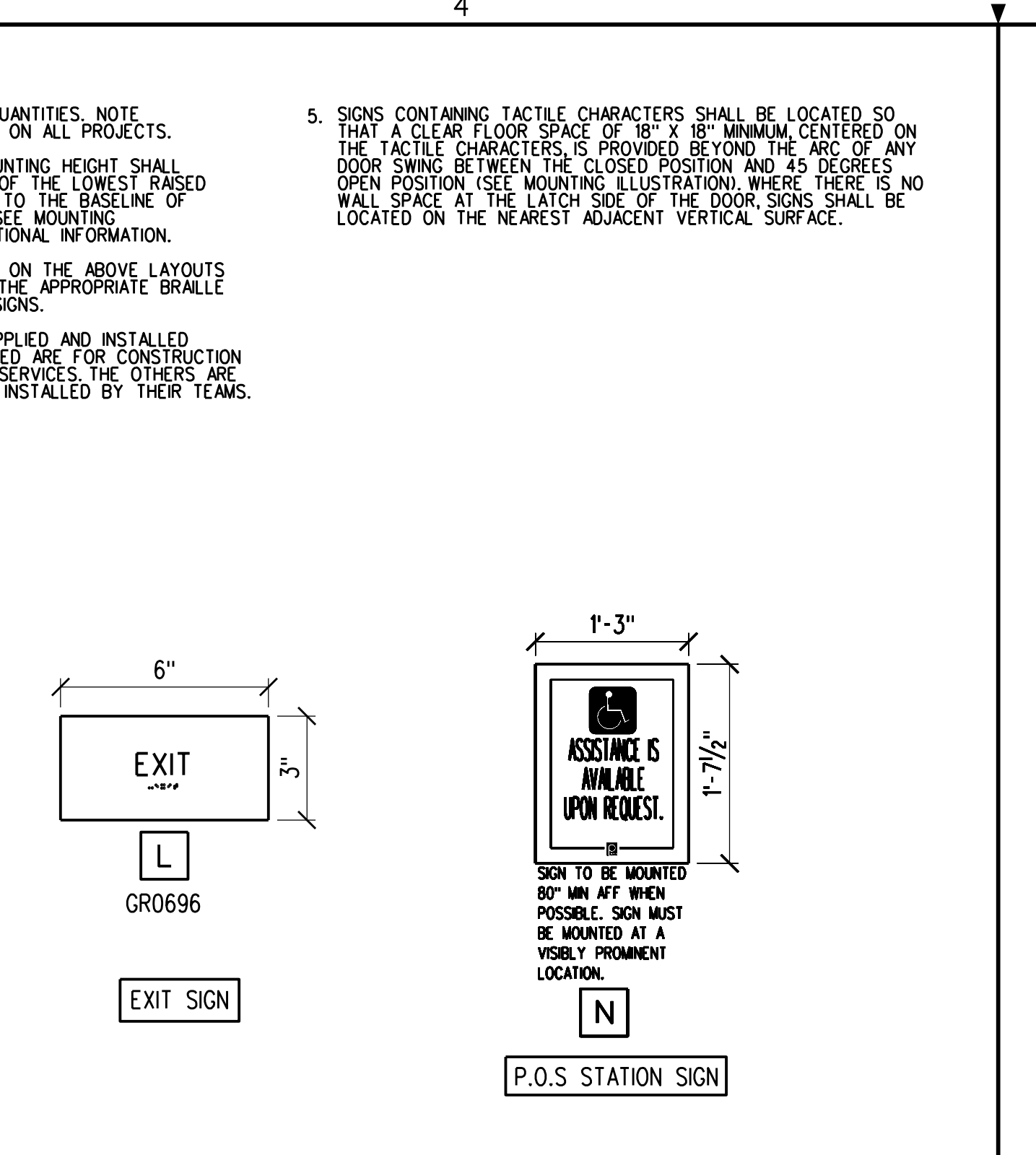
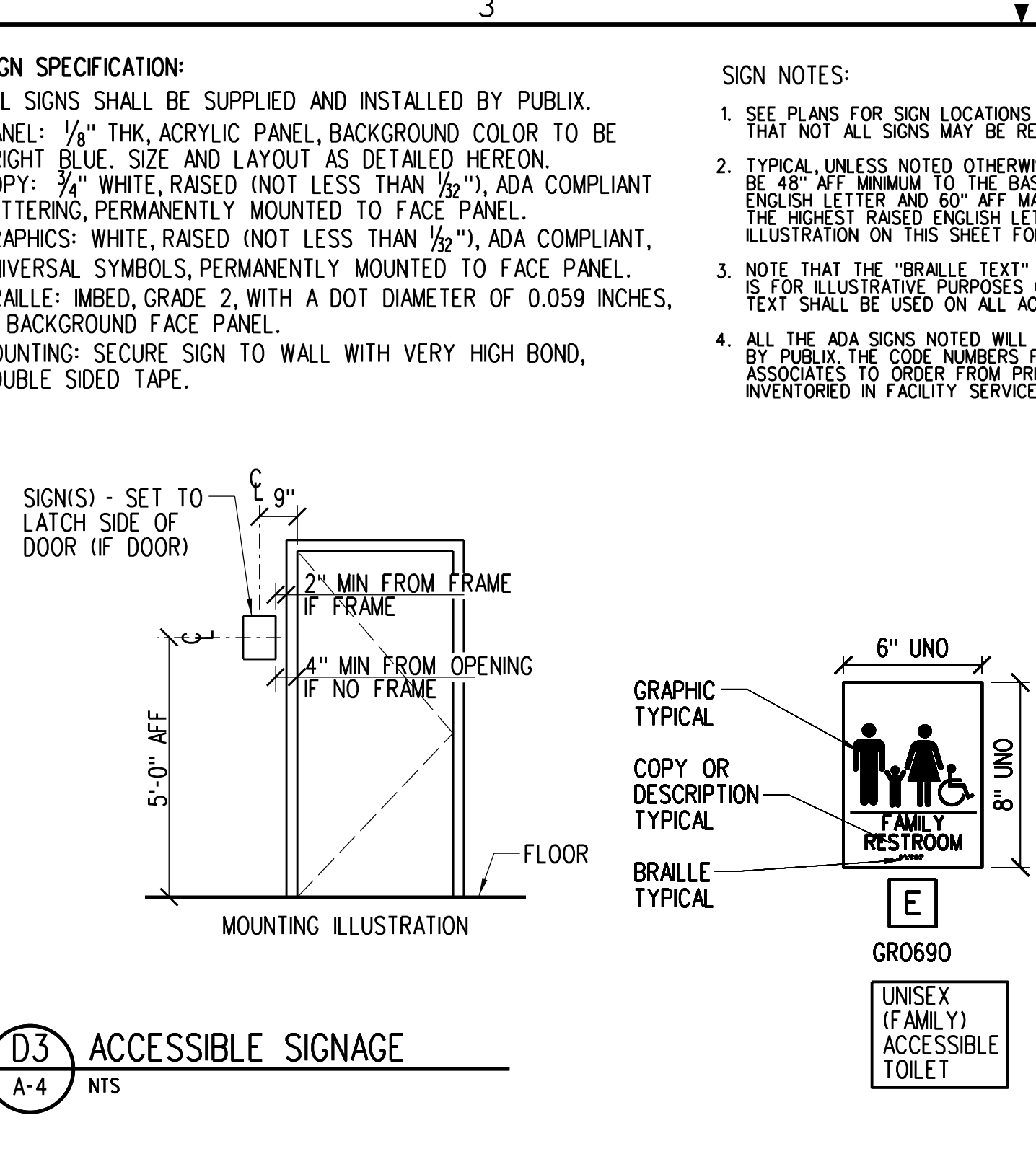
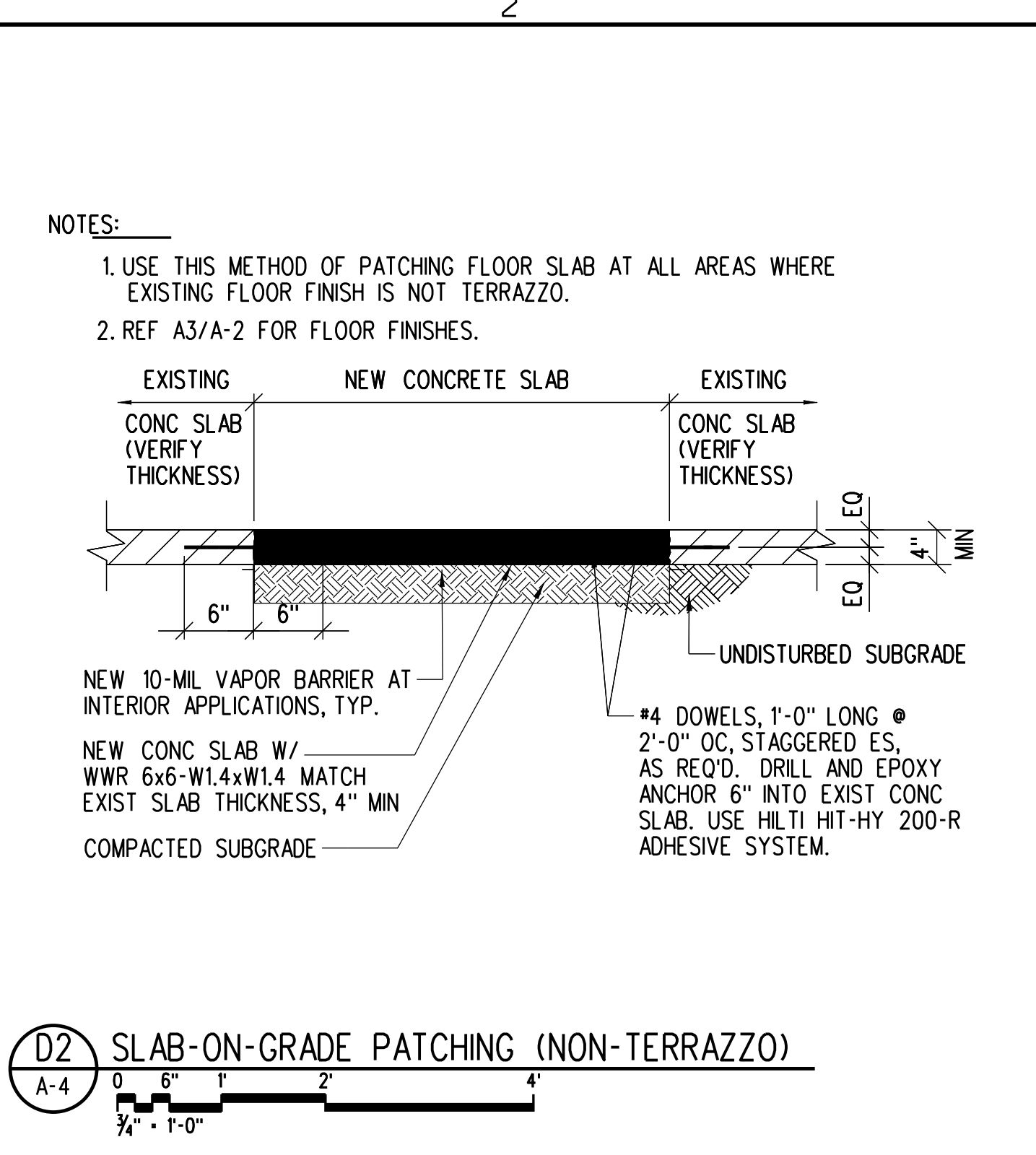
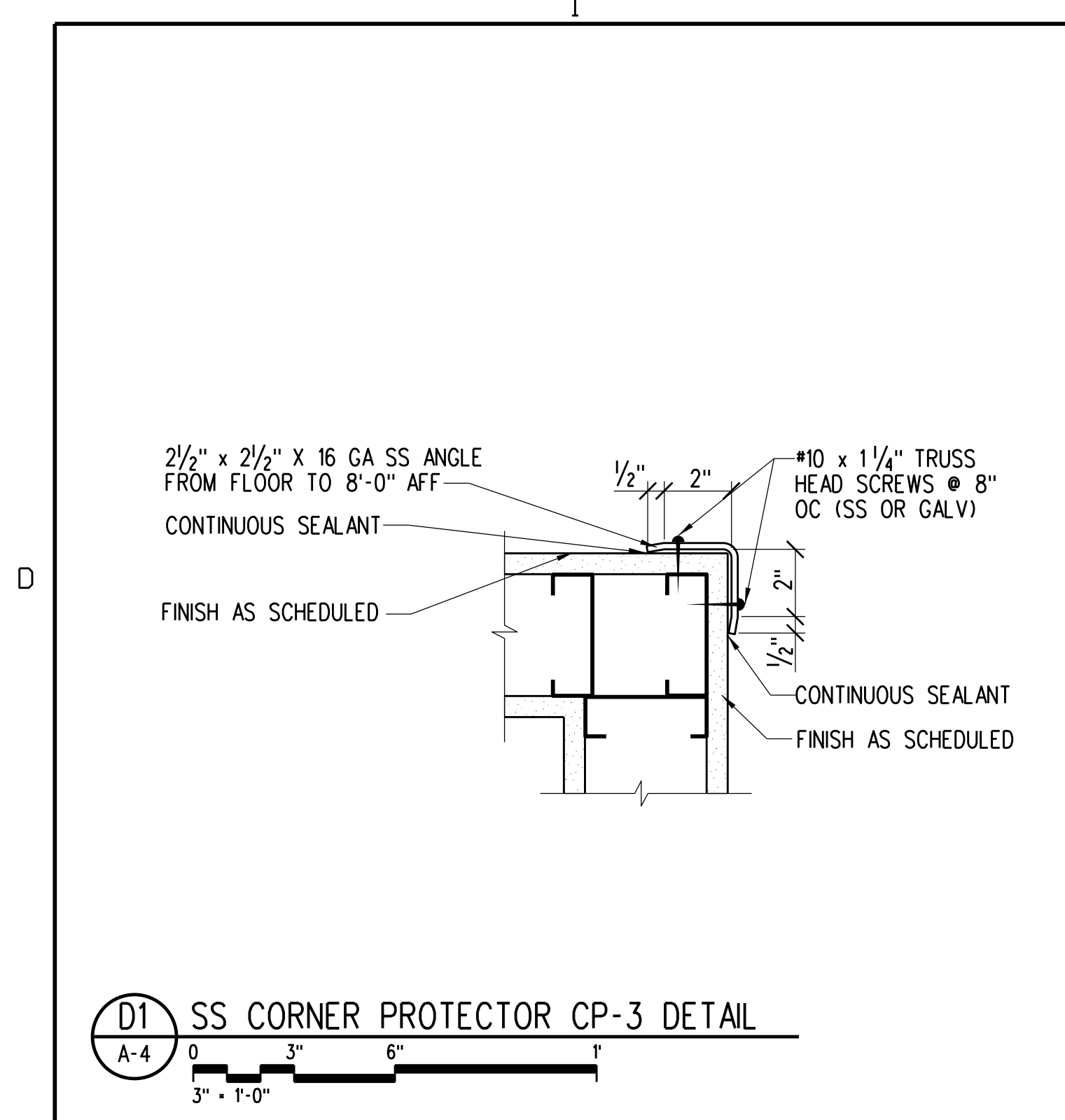


EVERGREEN ENVIRONMENT  
Jacobs Project No.: F6-W753-00-0504LS  
Drawing Title:

REFLECTED CEILING AND PARTIAL ROOF PLAN

Date: 06/08/23  
Designed By: P. BEGANY  
Drawn By: P. BEGANY  
Checked By: M. MATOS

\*100% SUBMITTAL FOR CONSTRUCTION



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 HOLIDAY CENTER  
 4861 SUNRAY DRIVE  
 HOLIDAY, FLORIDA 34680

Key Plan:  
 EVERGREEN ENVIRONMENT  
 Drawing Title: SU AND TOILET PLAN, ELEVATIONS AND DETAILS  
 Date: 06/08/23  
 Designed By: P. BEGANY  
 Drawn By: P. BEGANY  
 Checked By: M. MATOS  
 Website: MCCUE.COM

DOOR SCHEDULE

DOOR NO	DOORS			GLAZING	FRAME				FIRE RATING LABEL	HDM SET NO	DOOR NO	NOTES
	TYPE	MATL	NOMINAL SIZE		TYPE	MATL	JAMB	SILL				
101A	ER	ALUM	(2) 3'-0" 8'-0"	1 1/2"	IMPACT RESISTANT	ER	ALUM	A3/A-5	----	N	101A	1, 12
101B	--	----	----	----	----	----	----	----	----	SG	101B	10, 14, 15, 16
101C	--	----	----	----	----	----	----	----	----	SG	101C	10, 14, 15, 16
101D	ER	HM	3'-0" 7'-0"	1 1/2"	----	ER	PGHM	----	----	LS	101D	1, 2, 3, 7, 8, 9, 13
102	D1	PLSC	3'-0" 7'-0"	1 1/2"	----	F1	PGHM	A1/A-5	----	D	102	2, 3, 4, 5
103	D1	PLSC	3'-0" 7'-0"	1 1/2"	----	F1	PGHM	A1/A-5	----	D-1	103	1, 2, 3, 4, 5

NOTE: VERIFY IN FIELD DOOR HARDWARE AND DOOR FRAME PROVIDED/INSTALLED PER SHELL BUILDING PERMIT, PROVIDE SPECIFIED HARDWARE AS REQUIRED TO MEET PUBLIC STANDARDS.

GENERAL NOTES:

- SET DOOR CLOSER WITH A MAX FORCE OF 5 LBF INTERIOR, AND 8.5 LBF EXTERIOR, REF FACBC 404.2.9. THE SWEEP PERIOD SHALL BE AT LEAST 5 SECONDS FROM AN OPEN POSITION OF 90 DEGREES TO A POINT 12 DEGREES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR. REF FACBC 404.2.8. IF EXISTING CLOSERS NOTED TO REMAIN CANNOT BE ADJUSTED INTO COMPLIANCE, REPLACE WITH NEW COMPLIANT CLOSER. REVIEW WITH PUBlix FIELD REP FOR APPROVAL.
- REFERENCE SPECS FOR ADDITIONAL HARDWARE INFORMATION.
- PAIN NEW/EXISTING HM DOOR FRAME.
- DOORS TO BE LAMINATED WITH WILSONART KENSINGTON MAPLE (10776-60), BOTH SIDES.
- PROVIDE T UNDERCUT ON DOOR.
- NOT USED.
- REF ELECTRICAL PROVIDE 120V CIRCUIT TO DELAYED EGRESS DEVICE. NOTE: DOOR SHALL UNLOCK UPON ACTIVATION OF EITHER THE SPRINKLER SYSTEM, HEAT DETECTION DEVICES, OR SMOKE DETECTION DEVICES, AND ALSO UPON LOSS OF POWER CONTROLLING THE LOCKING MECHANISM. IN ACCORDANCE WITH NFPA 70: SEVENTH EDITION (2020), NFPA 101, 7.2.16.1. PROVIDE READILY VISIBLE SIGNAGE ON DOOR IN 1 INCH LETTERS (MIN 1/8" LINEWEIGHT) STATING "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS".
- THE GENERAL CONTRACTOR TO PROVIDE THE DELAYED EGRESS CRASH BAR AND THE CONNECTION TO THE RETAIL PLAZA FIRE ALARM CONTROL PANEL. CONFIRM ALARM MONITORING OF RETAIL SPACE ON SITE OR THROUGH OWNER'S REP AND COORDINATE CONNECTION WITH 3RD PARTY MONITORING WHERE APPLICABLE.
- PROVIDE ROCKWOOD MODEL #22 DOOR VIEWER MTD @ 58" AFF, REF SPECS.
- NEW SLIDING GRILLE BY DYNAMIC CLOSURES (SL-PARVANT MODEL). SEE HARDWARE GROUP SG. (AFTER HOUR CLOSURE ONLY. SUBMIT SHOP DRAWINGS FOR APPROVAL).
- NOT USED.
- VERIFY SPECIFIED DOOR CLOSER FOR FRONT ENTRANCE DOORS AND CONFIRM CLOSER WILL NOT OBSTRUCT SLIDING SECURITY GRILLE. NOTIFY ARCHITECT IF ALTERNATE CLOSER IS REQUIRED.
- PROVIDE SECURITY ASTRAGAL ON EXTERIOR DOOR - MODEL PEMKO 3572SS, 10 GAUGE STEEL OFFSET SECURITY BAR OR APPROVED EQUAL HARDWARE TO BE PROVIDED TO NEW AND/OR EXISTING EXTERIOR DOORS (REAR AND SIDE EXTERIOR HOLLOW METAL DOORS ONLY), ON ACTIVE LEAF OF PAR DOORS, AS APPLICABLE. GC TO PROVIDE SHOP DRAWING SUBMITTAL. FINISH: STAINLESS STEEL.
- HORIZONTAL OR VERTICAL SECURITY GRILLES OR DOORS COMPLYING WITH 7.2.1.4.11.3 SHALL BE PERMITTED TO BE USED AS PART OF THE REQUIRED MEANS OF EGRESS FROM A TENANT SPACE (NFPA 101:372.2.2.7).
- THE SECURITY GRILLE IS EQUIPPED WITH AN EMERGENCY EGRESS DEVICE TO DISENGAGE MECHANISM AND ALLOWS GRILLE TO RELEASE FOR EXITING. GRILLES ARE PERMITTED AT THE MAIN EXIT AND SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT DURING PERIODS THAT THE SPACE IS OCCUPIED PER FBC-B 2020 SECTION 1010.14.5.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING TRAIL AND MILLWORK POSITIONING IN THE EVENT OF INSTALLING A SUBSTITUTION FOR THE SECURITY GRILLE THAT REQUIRES VARIANT CLEAR DIMENSIONS. GENERAL CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR SECURITY GRILLE SUBSTITUTION.

DOOR SCHEDULE ABBREVIATIONS:

PLSC	PLASTIC LAMINATED SOLID CORE WOOD	ALUM	ALUMINUM	HM	HOLLOW METAL
PGHM	PAINTED GALVANIZED HOLLOW METAL	ER	EXISTING TO REMAIN	VP	VISION PANEL
				SS	STAINLESS STEEL
				PLAS	PLASTIC

DOOR HARDWARE

- GROUP LS-(REAR DOOR) HARDWARE SET ONLY 3'-0" X 7'-0" DOOR DELAYED EGRESS DEVICE TO BE PROVIDED BY GC NOTIFY ARCHITECT IF REQD. CONDITIONS CAN NOT BE MET PER NFPA 101, 7.2.16.1.
- EXIT PANIC BAR  
 3 EACH HINGES 1A2714 4.5x4.5 NRP x USP  
 1 ARMED EXIT DEVICE V40EX626  
 1 CYLINDER FOR ALARM (FURNISHED/INSTALLED BY PUBlix)  
 1 EA LATCH PROTECTOR MLP 211 SL  
 1 EA CLOSER W/ STOP, H.O. 1431PS EN  
 1 EA ONE-WAY VIEWER 622 x CRM  
 1 EA THRESHOLD 2005 AS  
 1 SET WEATHER STRIP S880  
 1 EACH DOOR SWEEP PEMKO 57AV
- GROUP N (STOREFRONT)  
 CONFIRM STANDARD MORTIS OR RIMSET CYLINDER.  
 CONFIRM ADA COMPLIANT HALF SADDLE THRESHOLD, PEMKO 229a OR APR EQUAL.  
 CONFIRM NEW EXISTING CLOSER ALLOWS FOR SECURITY GRILLE BYPASS CLEARANCE. NEW CLOSER SHALL BE LCN 4510 "SMOOTHER" SERIES  
 EXTERIOR MOUNT VANDAL RESISTANT DOOR CLOSER OR APPROVED PARALLEL ARM CLOSER.
- GROUP SG (SECURITY GRILLE)  
 LOCKSET, MORTISE CYLINDER KEYS ENTRY SIDE, ADA THUMBTURN INSIDE HOOK/LEAD POST OF GRILLE SECURES TO WALL MOUNTED CHANNEL. LOCK RODS ENGAGE STL FLOOR SOCKETS. GRILLE SECURED/OPENED FROM OUTSIDE ENTRY SIDE.
- GROUP D (STORAGE)  
 LOCKSET, CAN BE DISABLED FROM INSIDE: OFFICES, BOOKKEEPING/ CONFERENCE, TRAINING ROOMS, STORAGE ROOMS  
 3 EACH HINGES 279 X 4.5 X 4.5  
 1 EACH ENTRANCE LOCKSET 28 10005 LL  
 1 EACH DOOR STOP 409 OR 443 AS REQUIRED  
 3 EACH SILENCERS
- GROUP D-1 (UNSEX (FAMILY) ACCESSIBLE TOILET)  
 LOCKSET, CAN BE DISABLED FROM INSIDE - SINGLE TOILETS  
 3 EACH HINGES BB279 X 4.5 X 4.5  
 1 ENTRANCE LOCKSET 10044 LL  
 1 DOOR STOP 409 OR 443 AS REQUIRED  
 1 EACH CLOSER 1431UO TB  
 3 EACH SILENCERS

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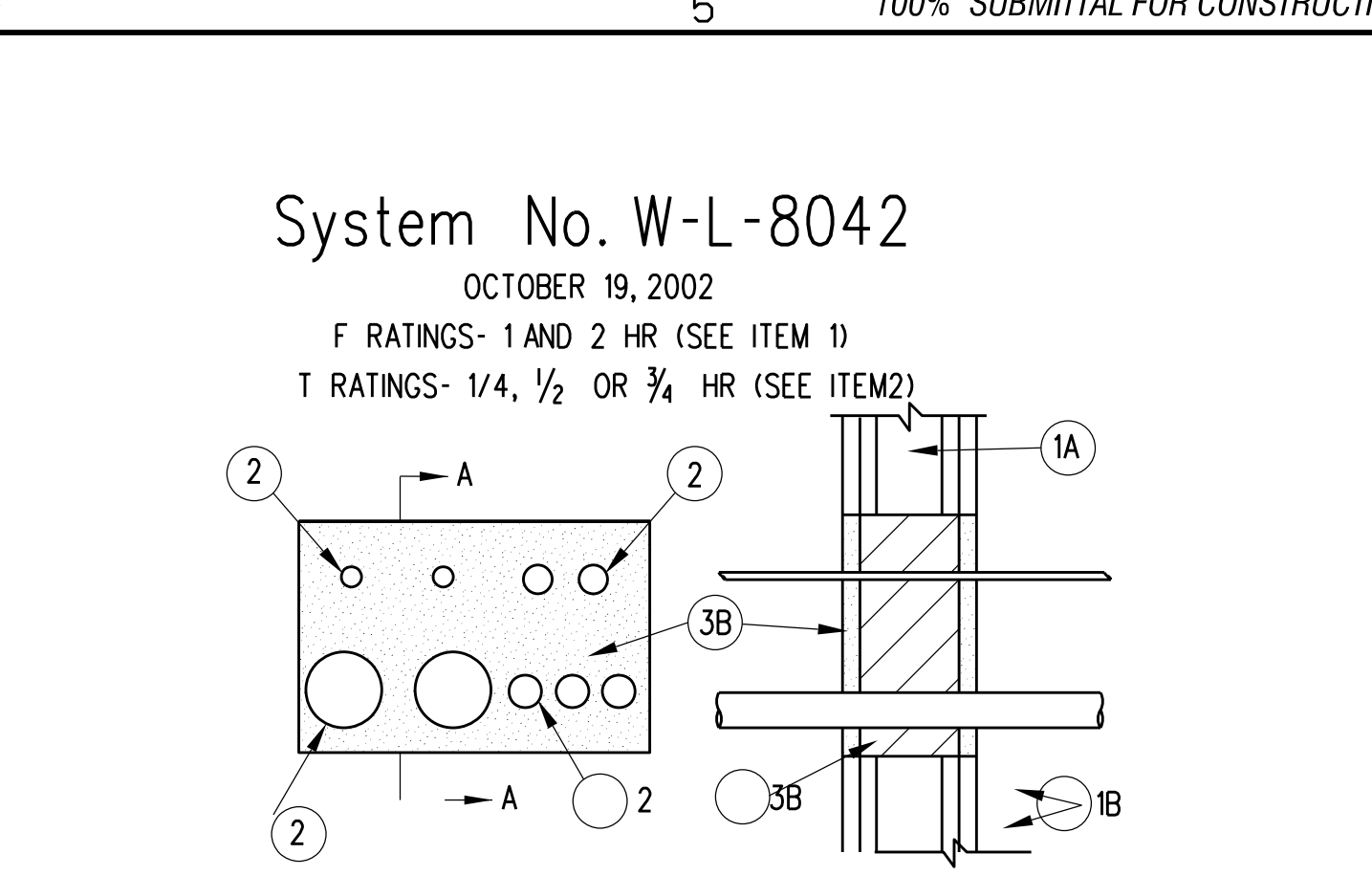
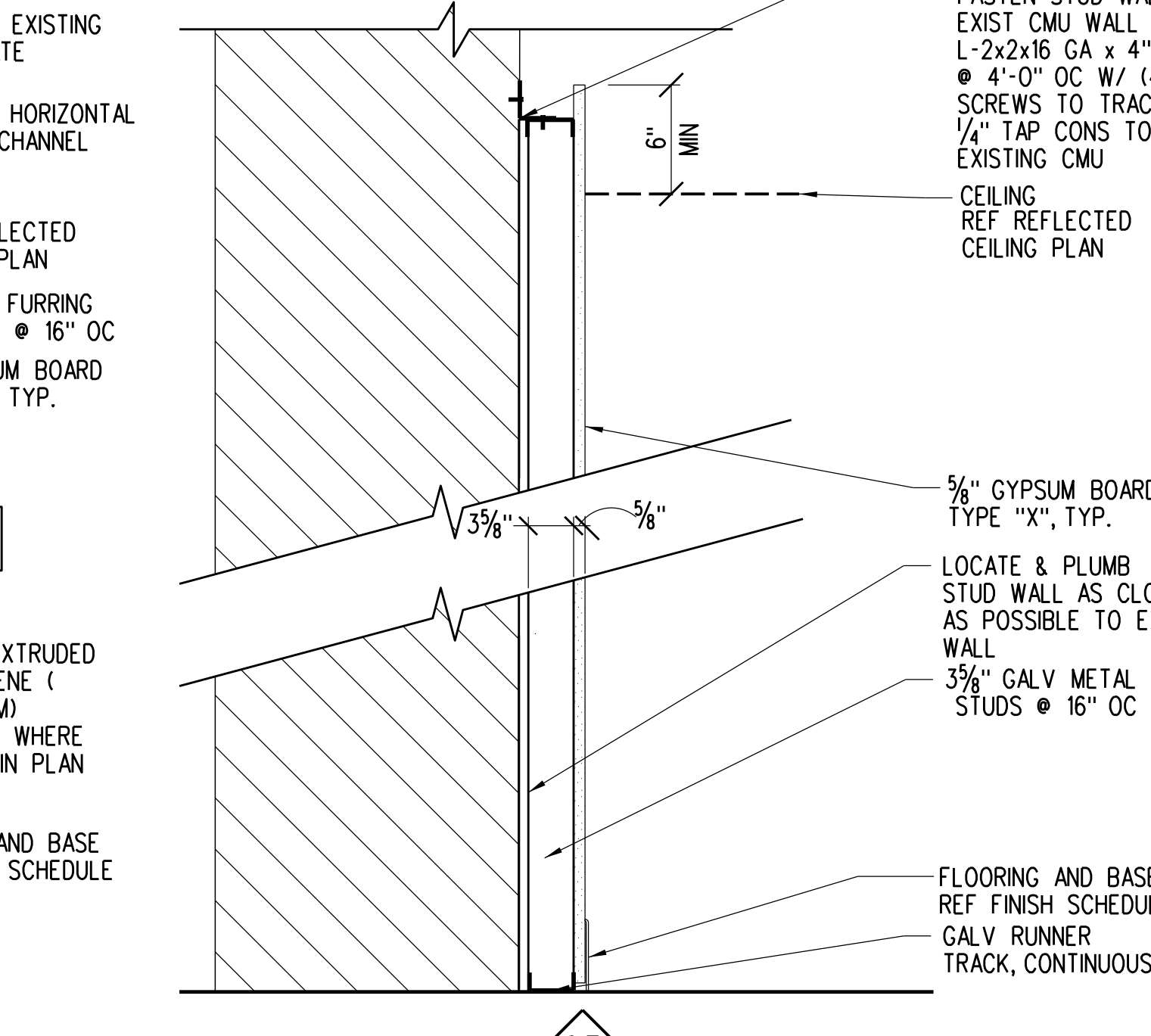
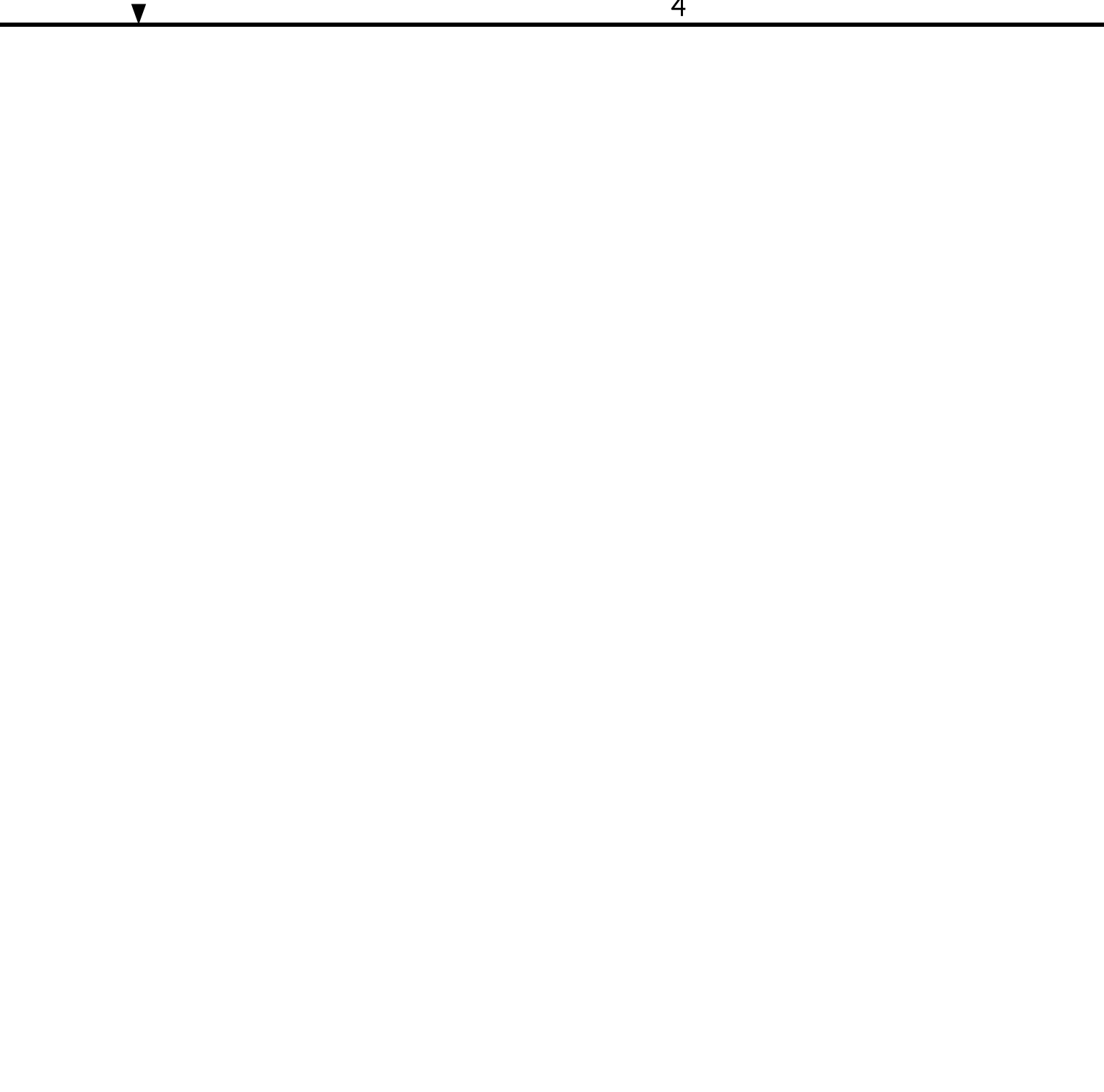
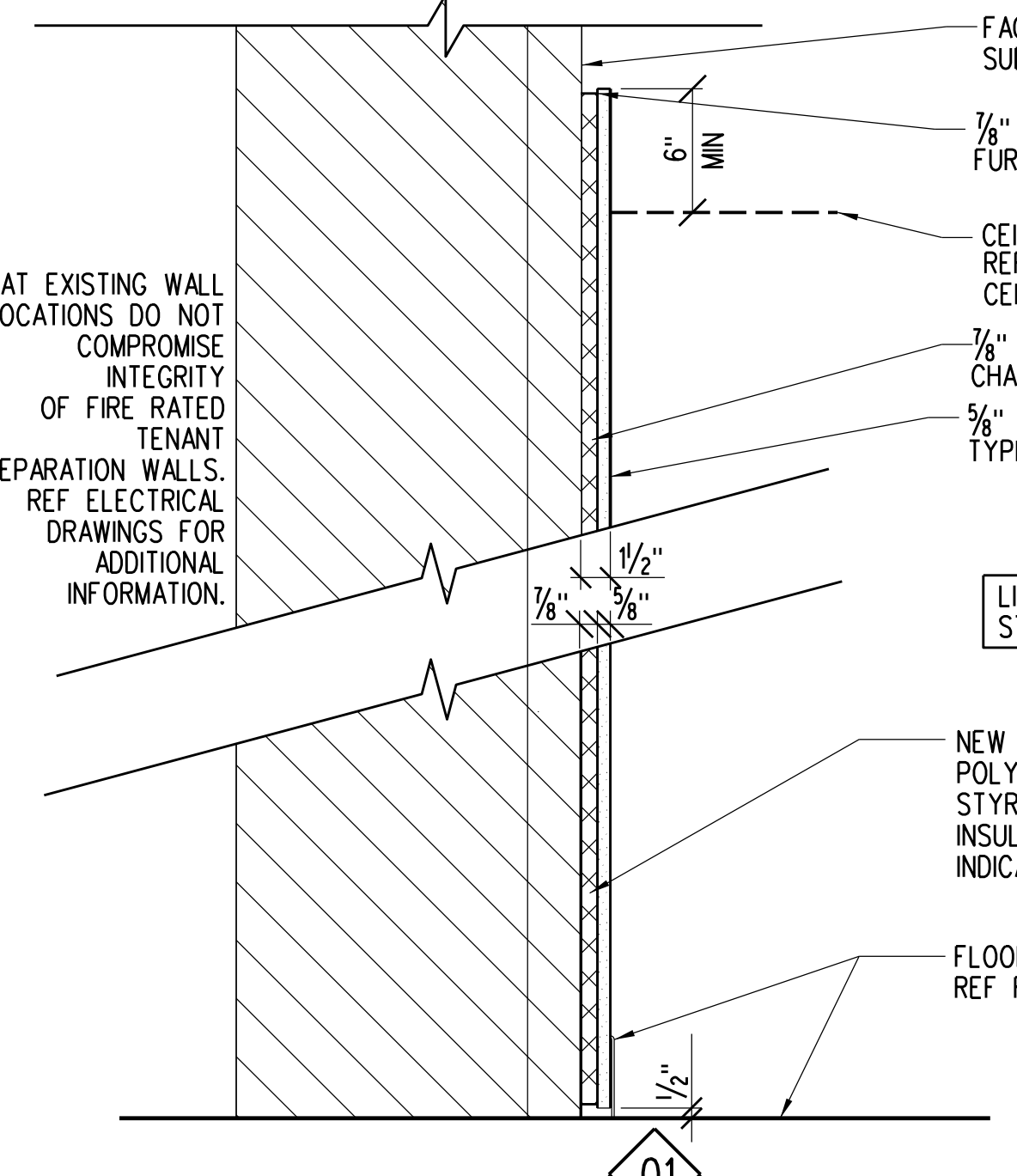
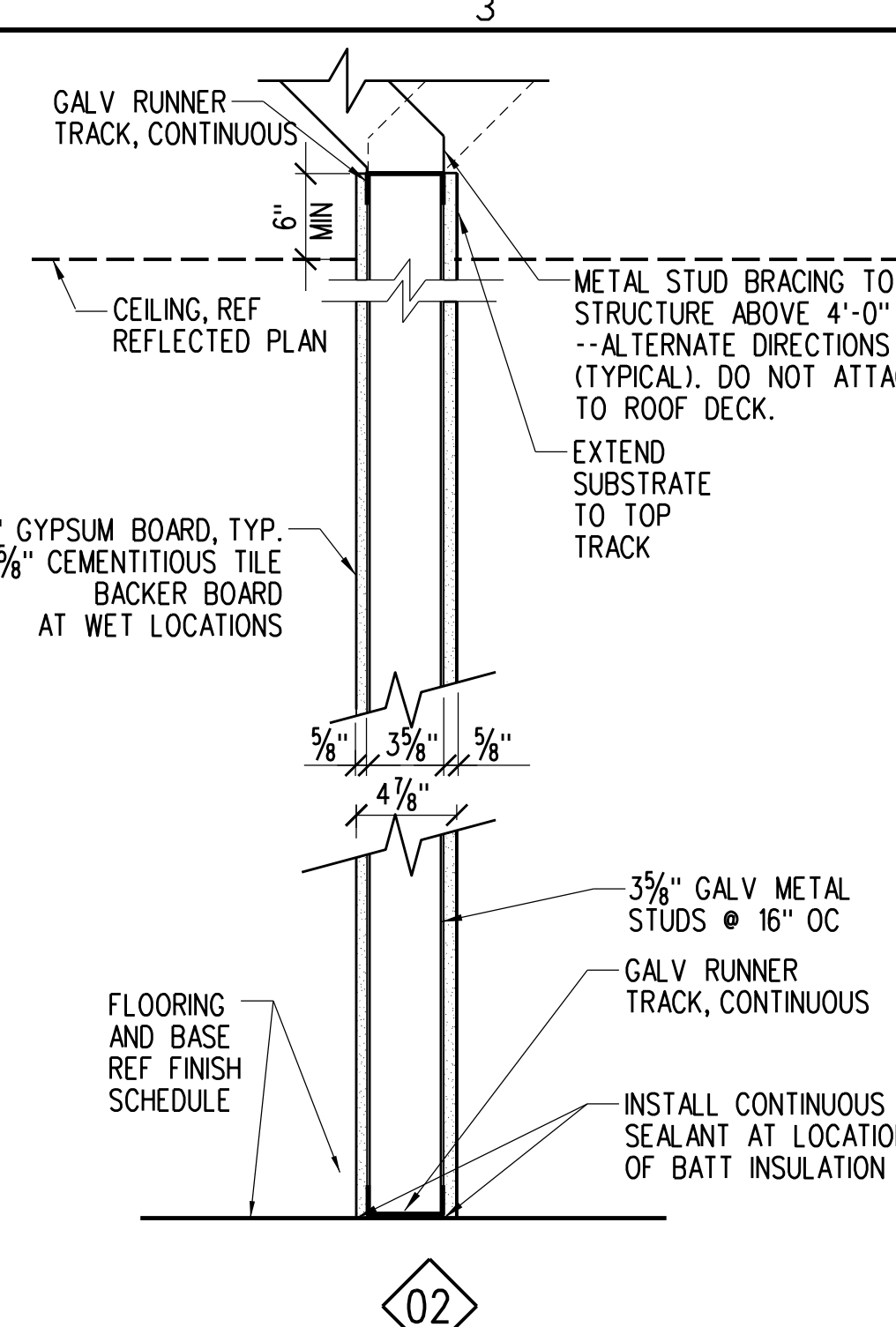
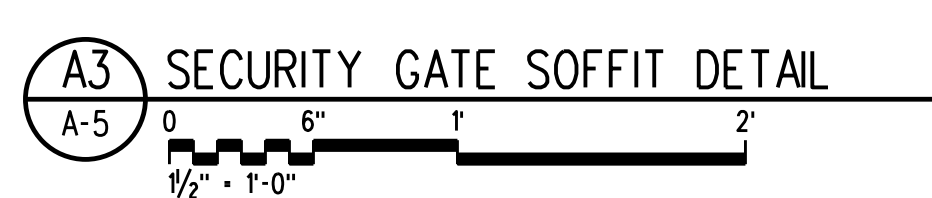
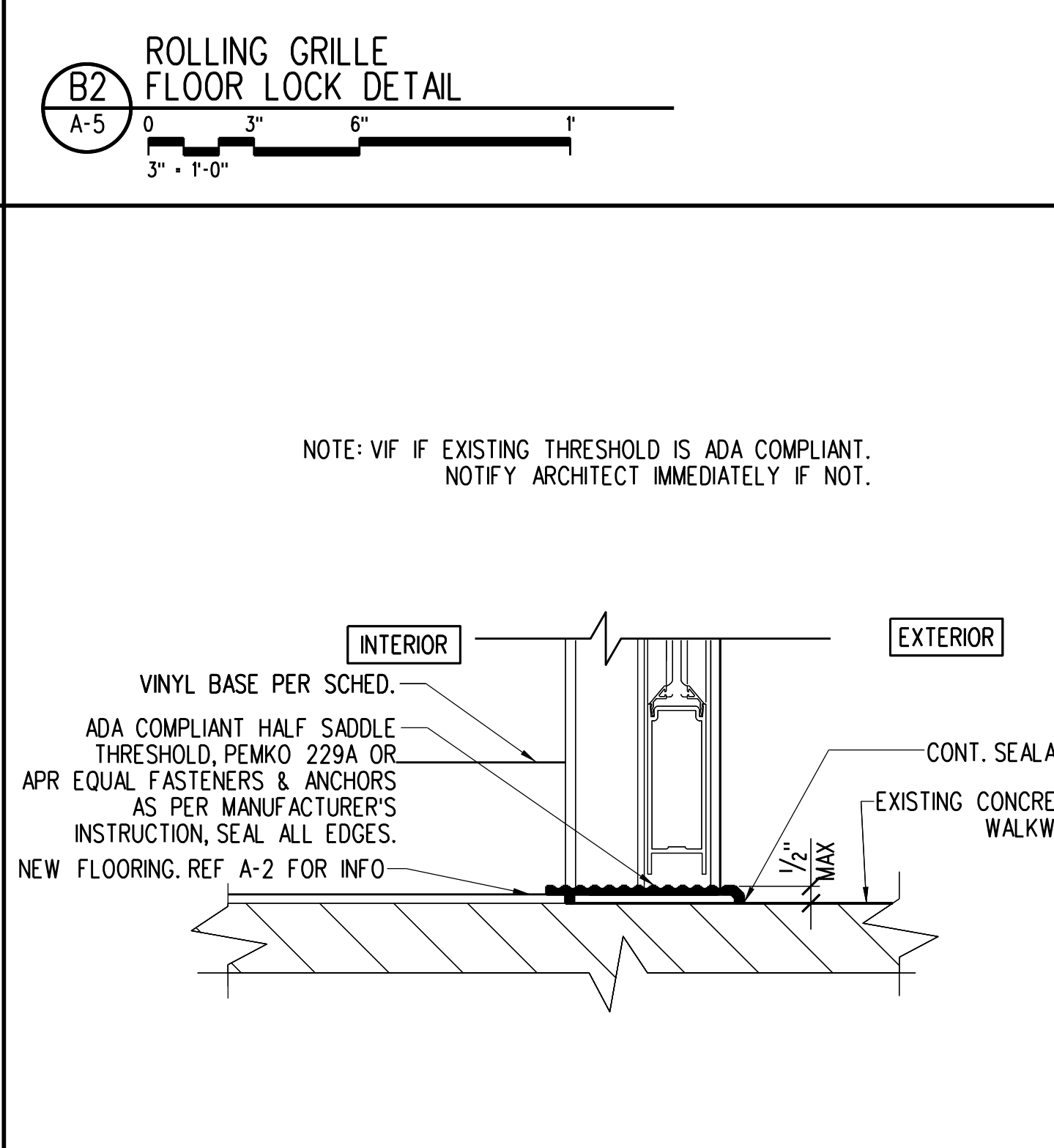
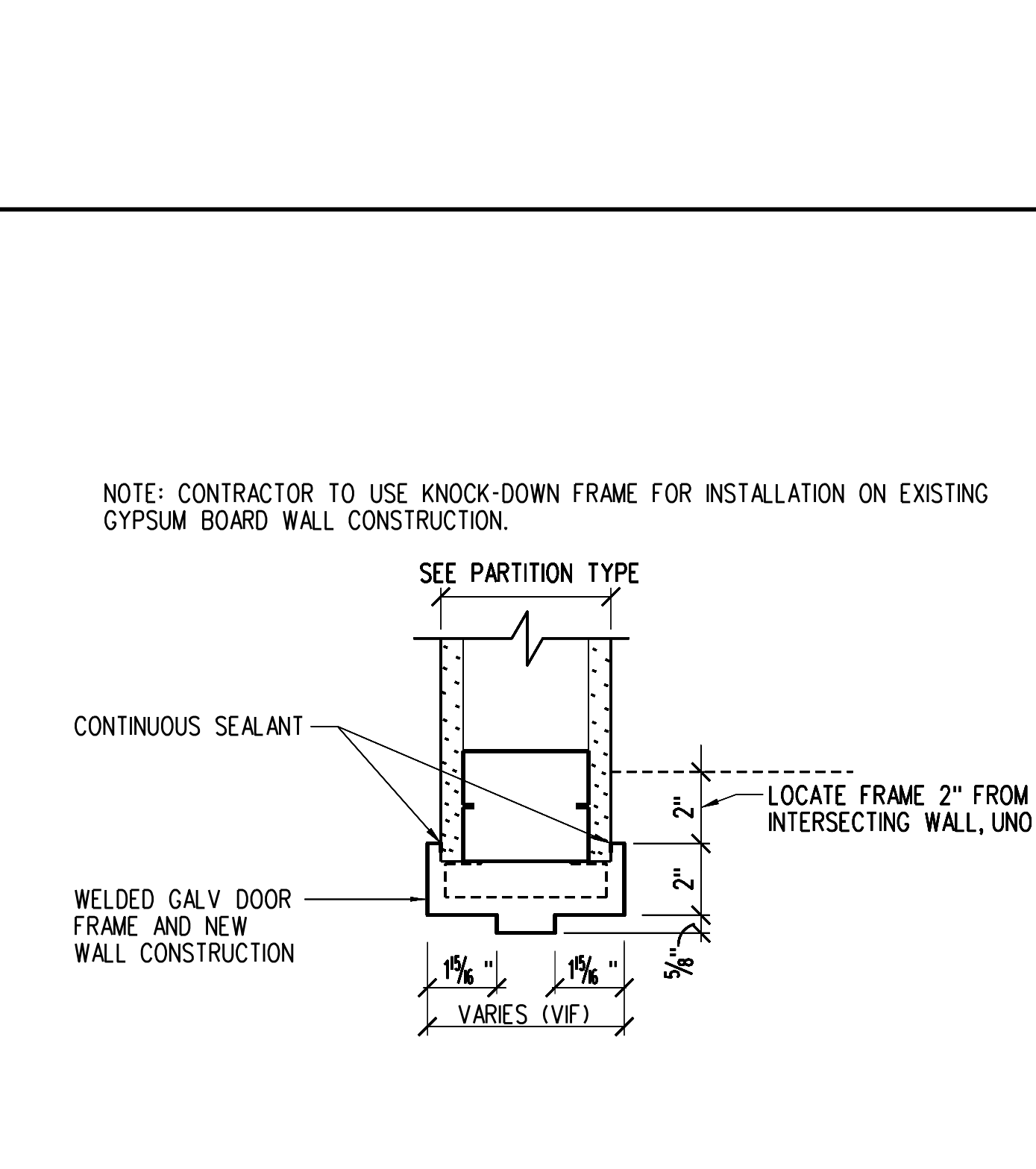
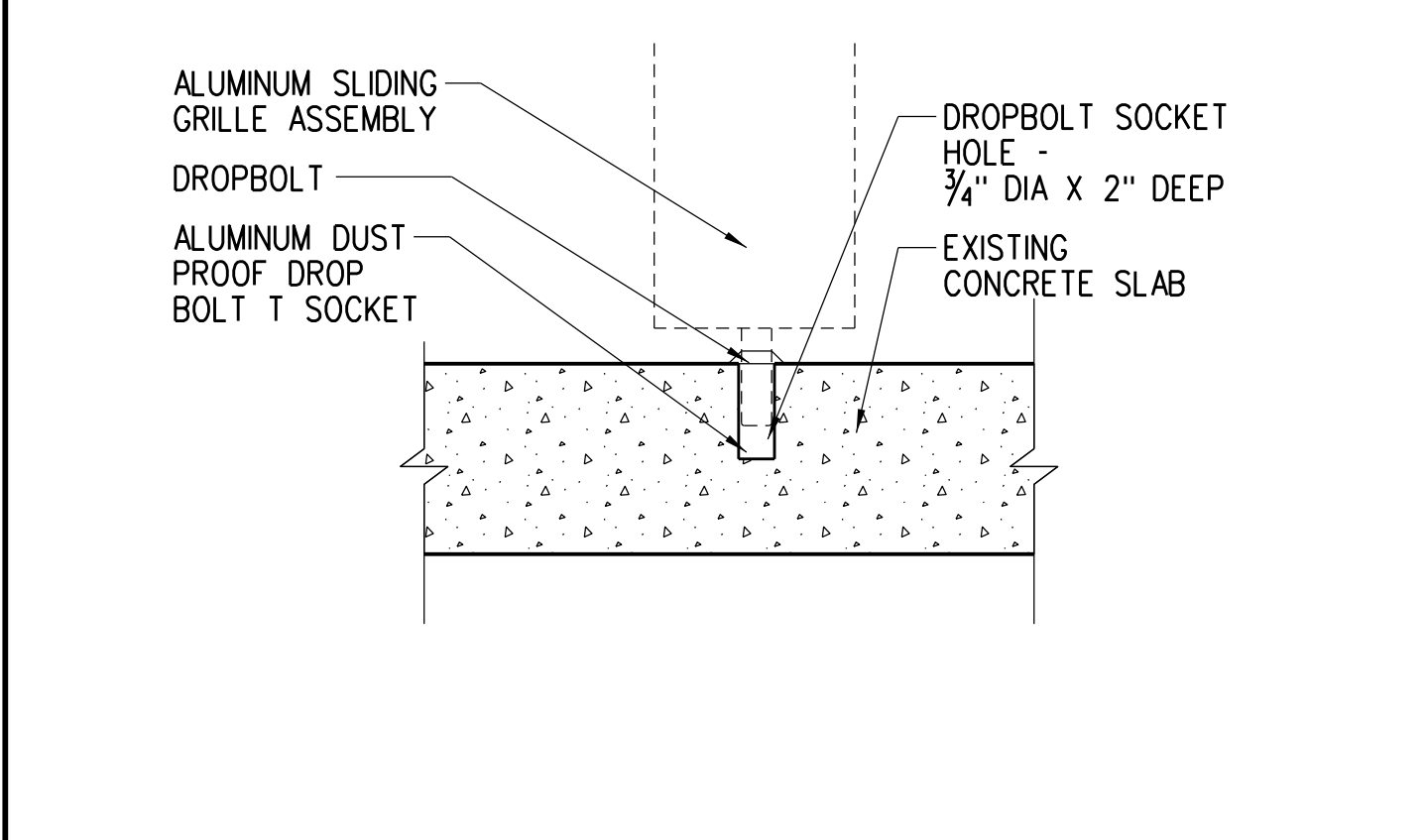
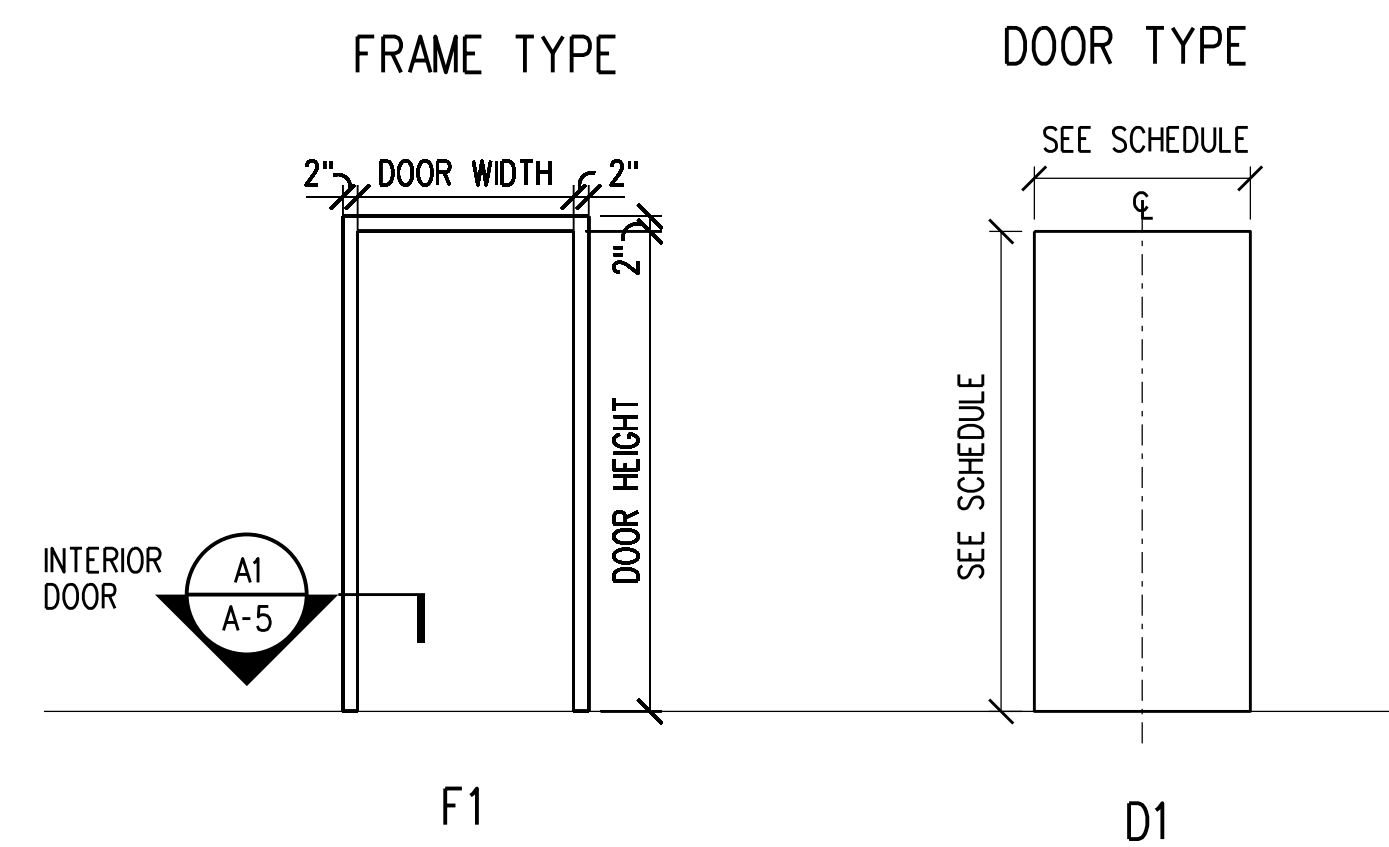
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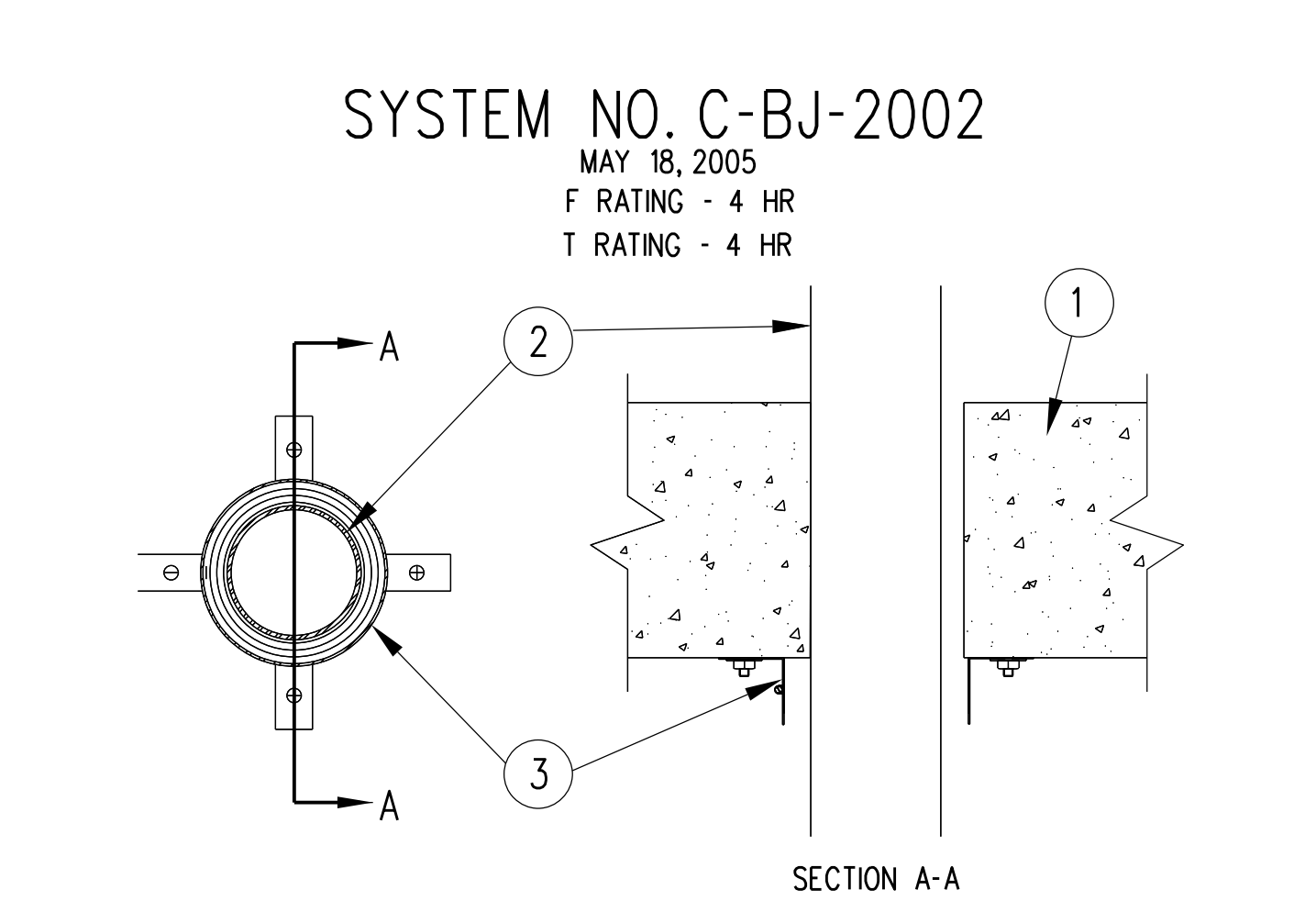
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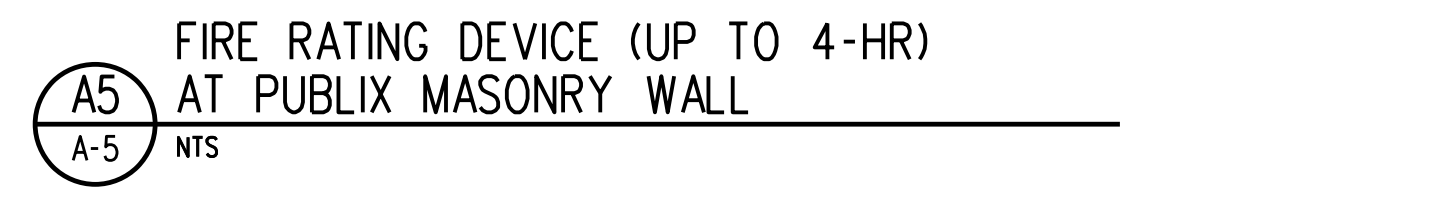
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 1 EACH CLOSER 1431UO TB  
 3 EACH SILENCERS



- WALL ASSEMBLY: THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/ STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
  - A. STUDS- WALL FRAMING SHALL CONSIST OF EITHER WOOD OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN LUMBER SPACED 16 IN OC STEEL STUDS TO BE MIN 1 1/2 IN WIDE BY MIN 3/2 IN DEEP AND SPACED MAX 24 IN OC FRAMING OF THE OPENING. SHALL CONSIST OF STEEL CHANNEL STUDS.
  - B. GYPSUM BOARD -- ONE OR TWO LAYERS OF MIN 5/8 IN THICK GYPSUM BOARD. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS AND ORIENTATION SHALL BE SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX AREA OF OPENING IS 200 SQ IN WITH A MAX DIMENSION OF 20 IN.
  - THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
- THROUGH PENETRANTS: ANY COMBINATION OF THE FOLLOWING METALLIC PENETRANTS TO BE INSTALLED WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PENETRANTS SHALL BE MIN 1/2 IN TO MAX 3/12 IN AND BETWEEN PENETRANTS AND PERIPHERY OF OPENING SHALL BE MIN 1/4 IN TO MAX 2-1/2 IN. PENETRANTS TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF EMT, METAL CLAD CABLE OR CONDUITS MAY BE USED:
  - A. CONDUIT- NOM 4 IN DIAM (OR SMALLER) ELECTRICAL METALLIC TUBING, MAX TWO 4 IN DIAM CONDUITS AND MAX THREE 2 IN DIAM CONDUITS PER OPENING. WHEN 3 OR 4 IN DIAM EMT IS USED, T RATING IS 1/2 HR WHEN 2 IN DIAM (OR SMALLER) EMT IS USED, T RATING IS 3/4 HR.
  - B. METAL CLAD CABLE-- NOM 2 IN DIAM (OR SMALLER) 4 CONDUCTOR 2/0 AWG STEEL OR ALUMINUM METAL CLAD CABLE WITH OR WITHOUT PVC JACKET, MAX TWO METAL CLAD CABLES PER OPENING. WHEN METAL CLAD CABLE IS USED, T RATING IS 1/2 HR.
  - SEE THROUGH-PENETRATING PRODUCTS (X)HY CATEGORY IN VOL. 2 OF THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
  - C. FLEXIBLE METAL CONDUIT- NOM 1-1/2 IN DIAM (OR SMALLER) STEEL OR ALUMINUM FLEXIBLE METAL CONDUIT, MAX TWO FLEXIBLE METAL CONDUITS PER OPENING. WHEN FLEXIBLE METAL CONDUIT IS USED, T RATING IS 1/4 HR.
  - SEE FLEXIBLE METAL CONDUIT (DX)Z CATEGORY IN THE ELECTRICAL CONSTRUCTION MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS.
- FIRESTOP SYSTEM- THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
  - T RATING OF FIRESTOP SYSTEM IS EQUAL TO THE LOWEST T RATING OF ANY PENETRANT USED.
  - A. PACKING MATERIAL- FOR 1 OR 2 HR FIRE RATED WALLS, MIN 3-1/2 IN OR 4-3/4 IN IN VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS. PACKING MATERIAL TO BE RECESSED FROM BOTH SURFACE OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
  - B. FILL VOID OR CAVITY MATERIAL-- CAULK- MIN 5/8 IN THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL.
  - RECTORSAL-- METACAULK 1000
  - \* BEARING THE UL CLASSIFICATION MARK



- \*NOTE: THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2004 EDITION OF THE UL FIRE RESISTANCE DIRECTORY.
- \* BEARING THE UL CLASSIFICATION MARK
- \* BEARING THE UL LISTING MARK
- FLOOR OR WALL ASSEMBLY: ORIGINAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED, CONSTRUCTED OF ANY MIN 6 IN (152 MM) THICK UL CLASSIFIED HOLLOW- CORE CONCRETE UNITS. SEE CONCRETE BLOCKS FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
  - THROUGH PENETRANTS: CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPAC BETWEEN THE PIPE OR CONDUIT AND THE PERIPHERY OF THE OPENING SHALL BE A MIN 0 IN (POINT CONTACT) TO A MAX 1/2 IN (0 MM TO MAX 13 MM) PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY. SIZES OF NONMETALLIC PIPES OR CONDUITS MAY BE USED:
    - A. POLYVINYL CHLORIDE (PVC) PIPE
    - 40 SOLID CORE OR CELLULAR CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
    - B. RIGID NONMETALLIC CONDUIT-- 40 PVC CONDUIT INSTALLED IN ACCORDANCE WITH ARTICLE 347 OF THE NATIONAL ELECTRICAL CODE (NFPA NO. 70).
    - C. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE
    - SMALLER SDR13.5 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
    - D. SCRIVYLONTRILE BUTADIENE STYRENE (ABS) PIPE
    - SMALLER SCHEDULE 40 SOLID CORE OR CELLULAR CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
    - E. FIRE RETARDANT POLYPROPYLENE (FFPP) PIPE
    - SMALLER SCHEDULE 40 FRPP PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
    - F. POLYVINYLIDENE FLUORIDE (PVDF) PIPE
    - SCHEDULE 40 FRPP PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
  - FIRESTOP DEVICE - COLLAR: ACCOMPANYING INSTALLATION INSTRUCTIONS. COLLAR TO BE INSTALLED AND LATCHED AROUND PIPE AND SECURED TO BOTTOM OF FLOOR OR BOTH SIDES OF WALL WITH MIN 5/8 IN (15 MM) DIAM BY MIN 1/4 IN (32MM) LONG STEEL MASONRY FASTENERS IN CONJUNCTION WITH MIN 1/4 IN (32 MM) DIAM TEE FENDER WASHERS MIN OF TWO, THREE OR FOUR FASTENERS, SYMMETRICALLY LOCATED, FOR NOM 2 IN (51MM) DIAM (AND SMALLER), NOM 3 IN (76 MM) DIAM AND NOM 4 IN (102 MM) DIAM PIPES, RESPECTIVELY. 3M COMPANY
  - FILL VOID OR CAVITY MATERIALS - CAULK, SEALANT OR PUTTY: MIN (IN 6 MM) THICKNESS OF CAULK OR PUTTY APPLIED WITHIN ANNULAR SPACE, FLUSH WITH TOP OR BOTTOM OF FLOOR OR BOTH SIDES OF WALL. 3M COMPANY (NOTE: CP 25WB NOT SUITABLE FOR USE WITH CPVC PIPES)



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ARCHITECT OF RECORD  
 NAME: JOHN K. McFARLAND, P.A.  
 REGISTRATION: FLORIDA REG #WRS3213

Seal

Revision: \_\_\_\_\_ Date: \_\_\_\_\_ By: \_\_\_\_\_ Description: \_\_\_\_\_

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 HOLIDAY, FLORIDA 34680

EVERGREEN ENVIRONMENT  
 Jacobs Project No.: F6-W753-00-0504LS  
 Drawing Title: DOOR SCHEDULE, PARTITION TYPES AND DETAILS

Date: 06/08/23  
 Designed By: P. BEGANY  
 Drawn By: P. BEGANY  
 Checked By: M. MATOS

A-5



**GENERAL REQUIREMENTS AND DESIGN CRITERIA**

- CODES AND REQUIREMENTS  
FLORIDA BUILDING CODE 2020 - EXISTING BUILDING (FBCB), PUBLISHED BY THE FLORIDA BUILDING COMMISSION.  
FLORIDA BUILDING CODE 2020 (FBC), PUBLISHED BY THE FLORIDA BUILDING COMMISSION, AS REQUIRED BY THE FBCB.  
AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7-16.
- LOAD CRITERIA  
DEAD LOADS: FLOORS: 20 PSF (INCLUDING MATERIALS SELF-WEIGHT)  
ROOFS: 20 PSF (INCLUDING MATERIALS SELF-WEIGHT)  
LIVE LOADS: FLOORS: 100 PSF  
ROOFS: 125 PSF (MECHANICAL)  
20 PSF (REDUCIBLE)  
RAIN LOAD: 0 PSF  
RAIN INTENSITY: 4.5 IN/HR  
ULTIMATE DESIGN WIND SPEED: 142 MPH  
NOMINAL DESIGN WIND SPEED: 110 MPH  
RISK CATEGORY: II  
WIND EXPOSURE: C  
ENCLOSURE CLASSIFICATION: ENCLOSED  
INTERNAL PRESSURE COEFFICIENT: ±0.18

DESIGN WIND PRESSURES (COMPONENTS AND CLADDING)			
LOCATION	ZONE	+18.0 PSF	-70.5 PSF
ROOF	1	+18.0 PSF	-40.5 PSF
	2	+18.0 PSF	-93.0 PSF
	3	+18.0 PSF	-126.8 PSF
WALL	4	+40.5 PSF	-43.9 PSF
	5	+40.5 PSF	-54.0 PSF

- (-) PRESSURES PULL ELEMENTS AWAY FROM BUILDING.
- (+) PRESSURES PUSH ELEMENTS INTO BUILDING.

PRESSURES LISTED ARE ULTIMATE, MULTIPLY BY 0.6 FOR ALLOWABLE.

- ELEVATIONS ARE TO FINISHED FLOOR ELEVATION 0'-0" UNLESS NOTED OTHERWISE.
- VERIFY ALL EXISTING CONDITIONS AFFECTING WORK PRIOR TO BEGINNING OF FABRICATION OR CONSTRUCTION. NOTIFY ARCHITECT OF DEVIATIONS OR CONFLICTS.
- SHORING REQUIRED FOR THE STABILITY OF THE UNCOMPLETED STRUCTURE OR FOR INSTALLATION OR MODIFICATION OF STRUCTURAL MEMBERS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

**FOUNDATION**

- EXCAVATION/FILL/BACKFILL: SEE GEOTECH REPORT AND/OR SPECIFICATIONS.
- MINIMUM REQUIRED SOIL BEARING VALUE: 2000 PSF
- SUBGRADE BELOW FOOTINGS SHALL BE COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR (ASTM D-1557) TO A MINIMUM DEPTH OF 2'-0".
- SUBGRADE AND/OR FILL BELOW SLABS-ON-GRADE SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR (ASTM D-1557) TO A MIN. DEPTH OF 1'-0".
- SITE FILL AND BACKFILL, WHERE REQUIRED, SHALL BE WELL GRADED GRANULAR MATERIAL WITH A MAXIMUM OF 10 PERCENT PASSING A NO. 200 SIEVE.
- CONTRACTOR TO PROVIDE GEOTECHNICAL TESTING OF SUBGRADES PRIOR TO PLACING CONCRETE. SUBMIT COPIES OF TEST RESULTS TO OWNER AND ARCHITECT.
- FIELD LOCATE EXISTING UTILITIES AND SITE STRUCTURES, ADVISE ARCHITECT OF ANY CONFLICTS. DO NOT REMOVE ANY EXISTING STRUCTURES WITHOUT OWNER AUTHORIZATION.

**CONCRETE**

- DESIGN/CONSTRUCTION CRITERIA  
SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING, AMERICAN CONCRETE INSTITUTE ACI-308  
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AMERICAN CONCRETE INSTITUTE ACI-318-14.
- CONCRETE DESIGN IS BASED ON THE FOLLOWING MATERIAL STRENGTHS:  
CONCRETE: 28-DAY COMPRESSIVE STRENGTH

LOCATION	MINIMUM f <sub>c</sub> (PSI)	EXPOSURE CATEGORY			
		F	S	W	C
FOOTINGS	3000	F0	S0	W0	C0
SLAB ON GRADE	4000	F0	S0	W0	C0

NOTE: MINIMUM f<sub>c</sub> SHALL BE GREATER OF VALUE LISTED ABOVE OR VALUE PER EXPOSURE CATEGORY

- REINFORCING: ASTM A615, GRADE 60
- DEFORMED BAR ANCHORS: ASTM A954
- WELDED WIRE REINFORCEMENT: ASTM A1064, 65000 PSI
- HEADED CONCRETE ANCHORS (EMBEDMENT PLATE STUDS): ASTM A29
- HEADED CONCRETE ANCHORS (SHEAR STUD CONNECTORS): ASTM A1044

- CONCRETE COVER FOR REINFORCING  
PERMANENTLY EXPOSED TO EARTH: 3"  
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:  
#5 BARS OR SMALLER: 1 1/2"  
#6 BAR OR LARGER: 2"
- MINIMUM BAR LAP SPICE OR EMBEDMENT: CONFORM TO THE APPLICABLE TABLES OF THE CRSHANDBOOK (LATEST EDITION) FOR CLASS "B" SPICE LENGTHS.
- ALL HOOKS ARE STANDARD LENGTH UNLESS NOTED OTHERWISE ON DRAWINGS.
- HORIZONTAL WALL AND FOOTING REINFORCEMENT: CONTINUOUS WITH 90-DEGREE BENDS AND EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE WITH MINIMUM LAP SPICE LENGTHS, AT CORNERS AND INTERSECTIONS.
- DOWNELS: FULL EMBEDMENT WITH 90° HOOK  
MATCH SIZE AND SPACING OF MAIN REINFORCEMENT.  
CONFORM WITH MINIMUM LAP SPICE REQUIREMENTS.
- EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" x 45 DEGREES, UNLESS NOTED OTHERWISE.
- REFERENCE PUBLIX SUPERMARKETS, INC. STANDARD REMODEL SPECIFICATIONS (NOT IN SET - AVAILABLE AT PUBLIX CORPORATE FACILITIES DESIGN DEPT. OR JACOBS ORLANDO OFFICE) SECTION 31.31.16 FOR TERMITE PROTECTION.

**STEEL**

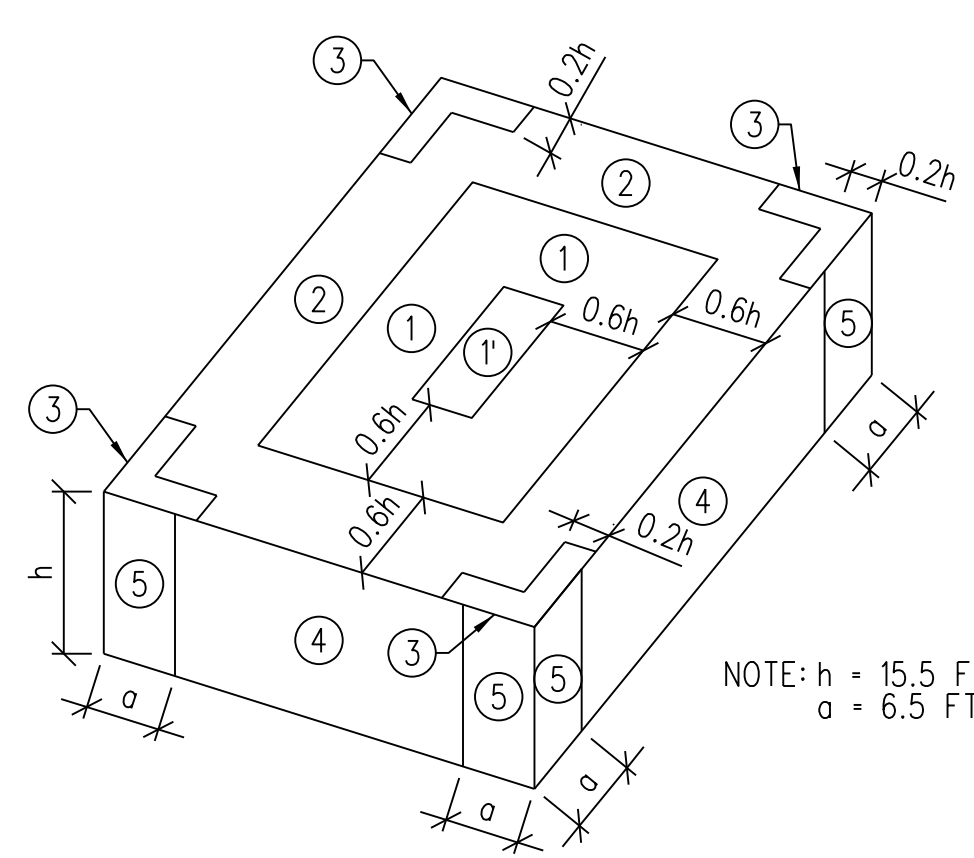
- DESIGN/CONSTRUCTION CRITERIA  
AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC:  
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ANSI/AISC 360-16.  
AMERICAN WELDING SOCIETY, AWS:  
STRUCTURAL WELDING CODE - STEEL, AWS D1.1, 2020 AND AWS D1.3, 2018.
- MATERIALS  
BEAMS: ASTM A992, GRADE 50 (F<sub>y</sub> = 50,000 PSI)  
ANGLES, CHANNELS AND PLATES: ASTM A36 (F<sub>y</sub> = 36,000 PSI)  
RECTANGULAR AND SQUARE HSS SHAPES: ASTM A500, GRADE B (F<sub>y</sub> = 46,000 PSI)  
STEEL PIPES: ASTM A53, GRADE B (F<sub>y</sub> = 35,000 PSI)  
BOLTS: STRUCTURAL CONNECTION: ASTM F3125 TYPE A325 OR A490 HIGH STRENGTH ANCHOR RODS AND MISCELLANEOUS: ASTM F1554, GRADE 36 (F<sub>y</sub> = 36,000 PSI)
- DIMENSIONS (UNLESS NOTED OTHERWISE)  
TO CENTERLINE OF COLUMNS AND BEAMS.  
TOP SURFACES OF TOP FLANGES OF BEAMS.  
BACK OF CHANNELS AND ANGLES.
- ELEVATIONS SHALL REFER TO TOP OF SURFACE OF MEMBER AND TOP OF BEARING PLATES.
- BOLTED CONNECTIONS (UNLESS NOTED OTHERWISE)  
MINIMUM BOLT DIA: 3/4"  
MINIMUM TWO (2) BOLTS PER CONNECTION  
TIGHTEN TO SMUG TIGHT CONDITION.
- WELDED CONNECTIONS  
E70XX ELECTRODES  
FOR WELD SIZES NOT SHOWN ON DRAWINGS USE MINIMUM WELD  
ALL WELDERS SHALL BE CERTIFIED PER AWS D1.1, 2020 SECTION 6.
- ADHESIVE ANCHORING SYSTEM  
FOR CONCRETE  
HILTI HIT-HY 200-R™ ADHESIVE ANCHORING SYSTEM.  
MINIMUM 3/4" DIAMETER ANCHOR CONFORMING TO ASTM A36 OR #5 REBAR CONFORMING TO ASTM A615, GRADE 60 (UNLESS NOTED OTHERWISE).  
MINIMUM EMBEDMENT - 8" (UNLESS NOTED OTHERWISE).  
FOR GROUT FILLED AND HOLLOW CMU  
HILTI HIT-HY 270™ ADHESIVE ANCHORING SYSTEM OR APPROVED EQUIVALENT.  
MINIMUM 1/2" DIAMETER ANCHOR: ASTM A36 (UNLESS NOTED OTHERWISE).  
MINIMUM EMBEDMENT - 2" (UNLESS NOTED OTHERWISE).
- ALL EXPOSED STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED PER ASTM A123.

**ABBREVIATIONS**

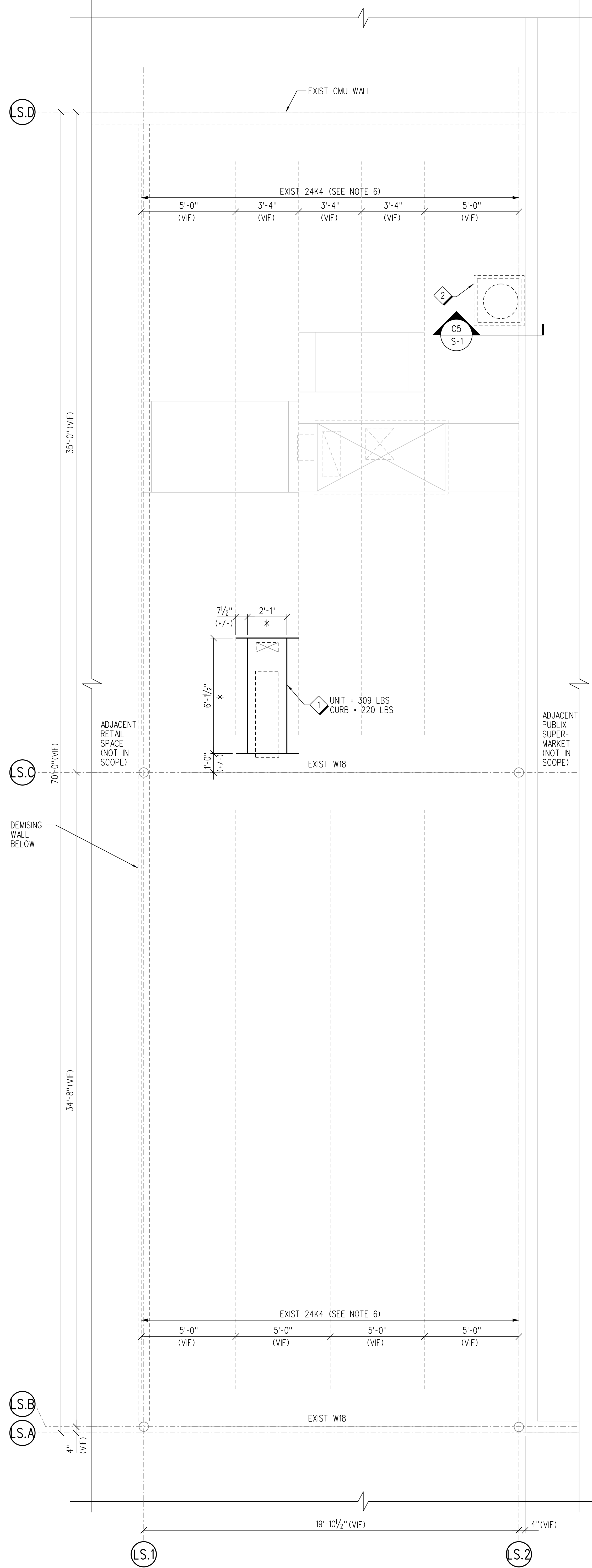
A/E	ARCHITECT/ENGINEER	LB	POUND
ACI	AMERICAN CONCRETE INSTITUTE	LLH	LONG LEG HORIZONTAL
ADOL	ADDITIONAL	LLV	LONG LEG VERTICAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MAX	MAXIMUM
ANSI	AMERICAN IRON AND STEEL INSTITUTE	MECH	MECHANICAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MFR	MANUFACTURER
ARCH	ARCHITECT, ARCHITECTURAL	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	N	NORTH
AWS	AMERICAN WELDING SOCIETY	NA	NOT APPLICABLE
		NTS	NOT TO SCALE
CJ	CONTROL JOINT	OC	ON CENTER
CLR	CLEAR	OH	OPPOSITE HAND
CMU	CONCRETE MASONRY UNIT	OPNG	OPENING
COL	COLUMN	OPP	OPPOSITE
CONN	CONNECTION	PL	PLATE
CONT	CONTINUOUS	PREFAB	PREFABRICATED
DEMO	DEMOLITION	PSF	POUNDS PER SQUARE FOOT
DET, DETL	DETAIL	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	QTY	QUANTITY
DM	DIMENSION		
DL	DEAD LOAD	REF	REFERENCE
DWG	DRAWING	REINF	REINFORCED OR REINFORCEMENT
DWL	DOWEL	REQD	REQUIRED
EA	EACH	REV	REVISION
EF	EACH FACE	SIM	SIMILAR
EJ	EXPANSION JOINT	SJ	STEEL JOIST INSTITUTE
EL	ELEVATION	SPEC	SPECIFICATIONS
ELEC	ELECTRIC OR ELECTRICAL	SQ	SQUARE
ENGR	ENGINEER	STD	STANDARD
EQ	EQUAL	STIFF	STIFFENER
EXIST	EXISTING	THRU	THROUGH
EXT	EXTERIOR OR EXTERNAL	T/	TOP OF
EW	EACH WAY	TYP	TYPICAL
FON	FOUNDATION	UNO	UNLESS NOTED OTHERWISE
FFE	FINISHED FLOOR ELEVATION		
FP	FULL PENETRATION WELD	VERT	VERTICAL
FT	FOOT OR FEET	VFY	VERIFY IN FIELD
GA	GAGE/GAUGE	VF	VERIFY
GALV	GALVANIZED	W/	WITH
GC	GENERAL CONTRACTOR	W/O	WITHOUT
HORIZ	HORIZONTAL	WP	WORK POINT
HVAC	HEATING VENT. AIR COND.	WT	WEIGHT
HK	HOOK	WWF	WELDED WIRE FABRIC
IN	INCHES	Ø	DIAMETER
INT	INTERIOR OR INTERNAL	CL	CENTERLINE
JT	JOINT	+/-	PLUS OR MINUS
K	KIPS		
KSI	KIPS PER SQUARE INCH		

**MASONRY**

- DESIGN/CONSTRUCTION CRITERIA  
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, TMS 402-16.  
SPECIFICATIONS FOR MASONRY STRUCTURES TMS 602-16.
- MATERIALS  
CONCRETE UNIT MASONRY: ASTM C90, GRADE N, F-m-1500 PSI MIN.  
MORTAR: ASTM C270, TYPE M OR S.  
HORIZONTAL REINFORCING IN WALLS: PREFABRICATED, GALVANIZED, TRUSS TYPE, MINIMUM OF 2-#9 GAGE WIRES AND CROSS TIES. THE INTERSECTIONS AND CORNERS WITH PREFABRICATED SECTION OF THE SAME GAUGE WIRE. SPACE HORIZONTAL REINFORCING AT 16 INCHES OC VERTICAL.  
VERTICAL REINFORCING: ASTM A615, GRADE 60, SEE PLAN FOR SIZE AND SPACING  
GROUT FILL: CONCRETE, 2500 PSI AT 28 DAYS WITH 8-11 INCH MINIMUM SLUMP, OR, GROUT CONFORMING TO ASTM C-476
- WALL: 8" NOMINAL (UNLESS NOTED OTHERWISE).



**A3 ROOF FRAMING PLAN**



**REFERENCE NOTES:**

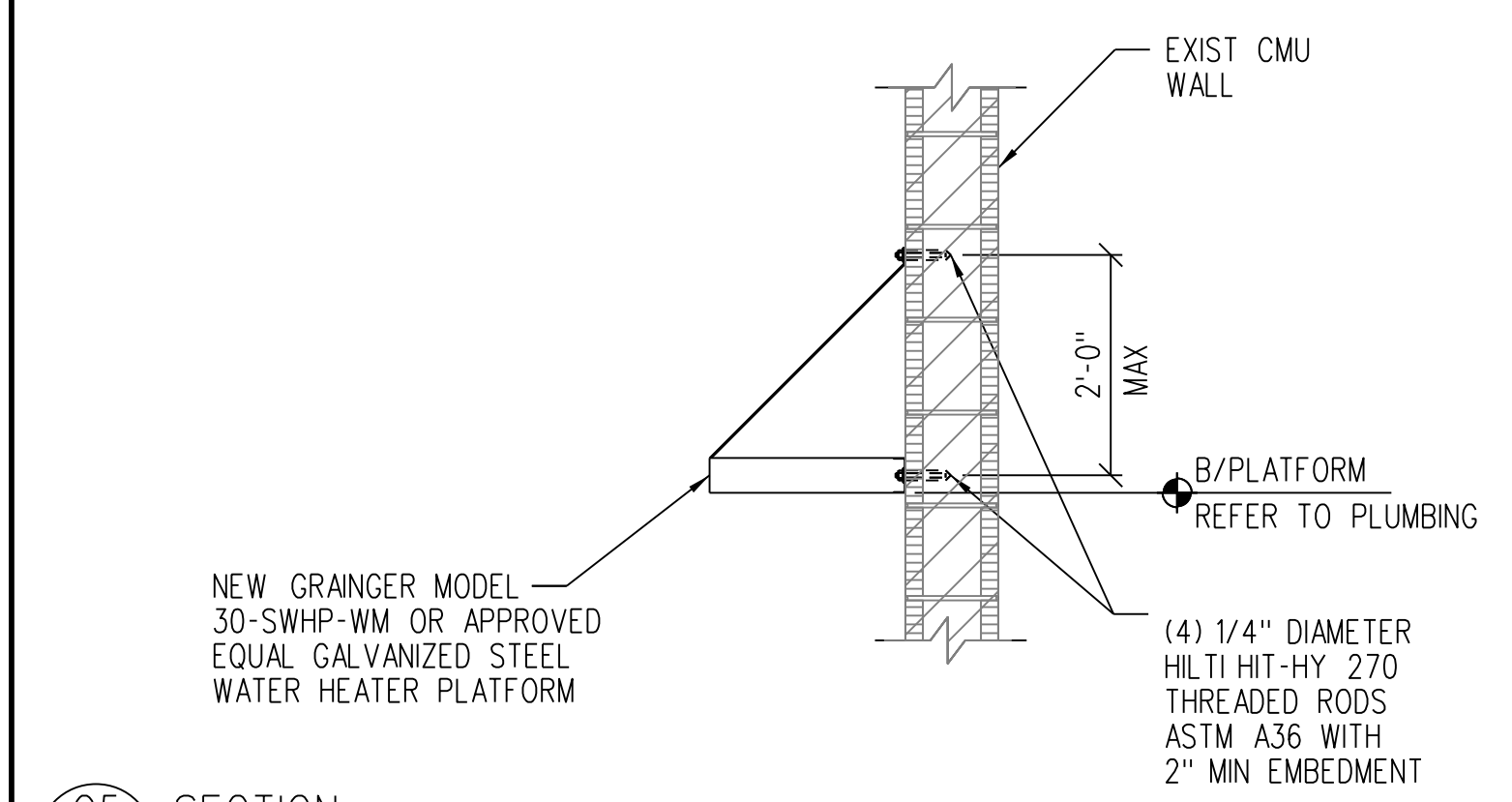
- ALL EQUIPMENT EXISTING UNLESS NOTED OTHERWISE.
- SEE SHEET S-1 FOR GENERAL NOTES AND ABBREVIATIONS.
- SEE MECHANICAL DRAWINGS FOR DEMOLITION WORK NOT SHOWN ON THIS DRAWING.
- EXISTING EQUIPMENT MAY BE REPLACED WITH SIMILAR EQUIPMENT IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE - EXISTING BUILDINGS, AS FOLLOWS:  
A. REPLACEMENT EQUIPMENT SHALL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING EQUIPMENT.  
B. EXISTING EQUIPMENT SHALL BE REMOVED PRIOR TO INSTALLATION OF REPLACEMENT EQUIPMENT UNLESS SPECIFICALLY NOTED ON PLANS.  
C. AT NO TIME SHALL THE SUPPORTING STRUCTURE BE LOADED WITH BOTH EXISTING AND REPLACEMENT EQUIPMENT UNLESS SPECIFICALLY NOTED ON PLANS.  
D. IN THE EVENT OF A PREDICTED WIND EVENT EXCEEDING 75 MPH SUSTAINED WINDS CONTRACTOR IS TO REMOVE TEMPORARY EQUIPMENT AND FULLY SECURE PERMANENT AS SHOWN IN THESE DOCUMENTS.
- THE SCOPE OF WORK IN THESE DRAWINGS IS THE STRUCTURAL FRAMING MEMBERS IMMEDIATELY SUPPORTING THE MOUNTED EQUIPMENT, THROUGH ITS ENTIRE LOAD PATH, OR AS SHOWN. LOAD CRITERIA LISTED ON SHEET S-1 IS APPLIED TO THESE FRAMING MEMBERS AND ANALYZED IN ACCORDANCE WITH FLORIDA BUILDING CODE - EXISTING 2020. ALL OTHER FRAMING IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE. SEE ORIGINAL DESIGN DRAWINGS FOR APPLICABLE DESIGN LOADS.
- JOIST DESIGNATIONS ARE BASED UPON FIELD MEASUREMENTS AND HISTORICAL DATA PROVIDED BY SJI. DESIGNATION IS FOR BASIS OF DESIGN ONLY.

**KEY NOTES:**

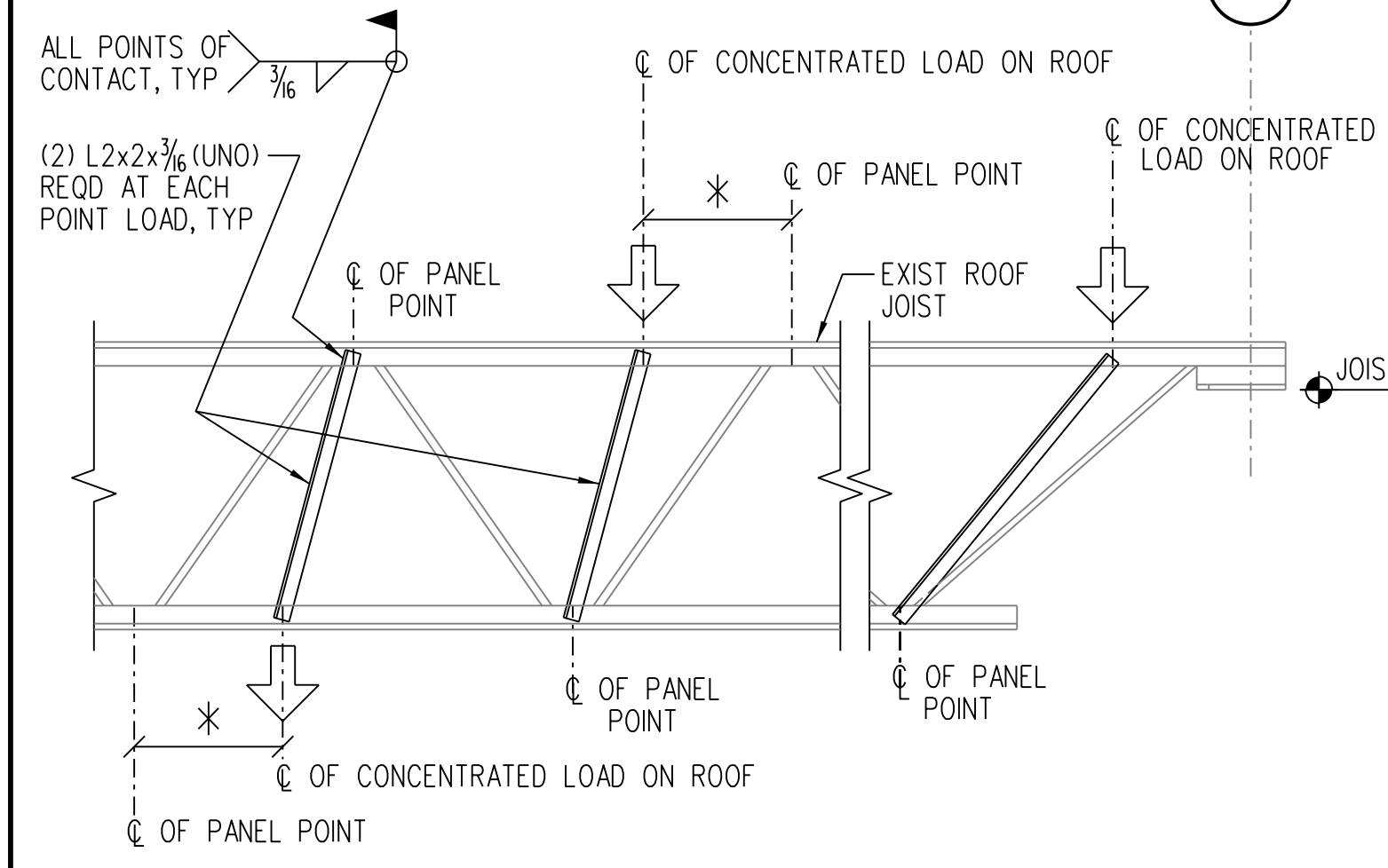
- NEW REFRIGERATION UNIT ON PREFAB PLATFORM CURB AND CAP WITH MOUNTING FRAME. REFERENCE DETAIL A5/S-1. REFERENCE REFRIGERATION DRAWINGS FOR EQUIPMENT. DIMENSIONS DENOTED WITH AN ASTERISK (\*) SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER PRIOR TO FABRICATING SUPPORT FRAME. UNIT MANUFACTURER TO PROVIDE MOUNTING HARDWARE, SHOP DRAWINGS FOR STEEL FRAME, CURB, AND PLATFORM CURB ARE TO BE SUBMITTED AND APPROVED BY THE ENGINEER OF RECORD PRIOR TO COMMENCING CONSTRUCTION.
- FRAMING FOR NEW WALL-MOUNTED WATER TANK. REFERENCE PLUMBING DRAWINGS FOR WATER TANK AND SUPPORT FRAMING. SEE C5/S-1 FOR PLATFORM ATTACHMENT TO EXISTING CMU WALL.

**NOTES:**

- AT CONDITIONS WHERE THERE IS FURRED GYPSUM BOARD WALL FINISH DEMO EXISTING GYPSUM BOARD, EXPOSING CMU IN RECESSED AREA TO ACCOMMODATE PLATFORM AND TANK. CONFIRM DIMENSIONAL REQUIREMENTS IN FIELD. RETURN GYPSUM BOARD TO CMU AT PERIMETER OF RECESSED AREA. PAINT CMU TO MATCH WALL WITH EPOXY PAINT.



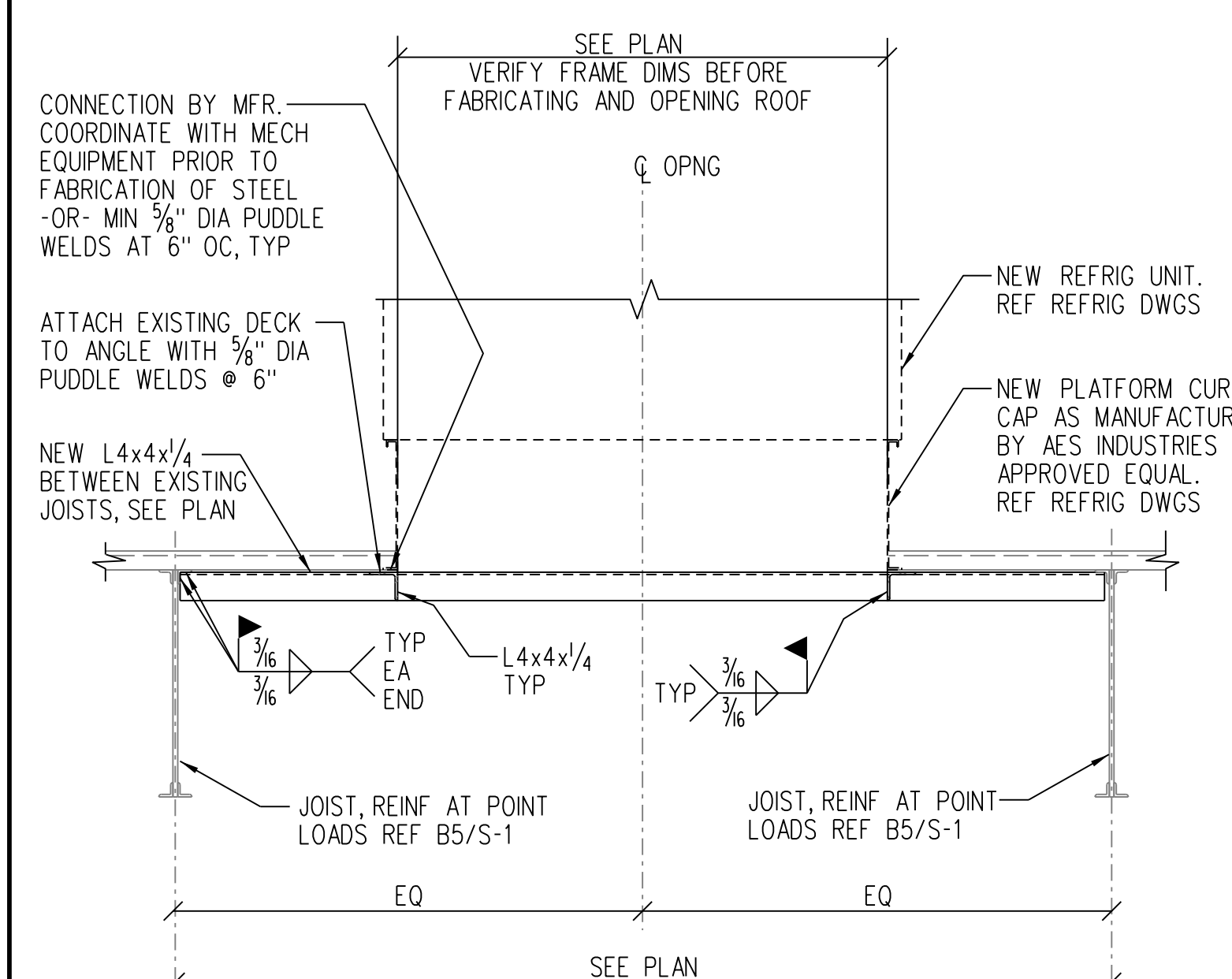
**C5 SECTION S-1 NTS**



**NOTES:**

- JOIST STIFFENERS NOT REQUIRED FOR POINT LOADS ≤ 100 LBS AT TOP OR BOTTOM CHORD.
- \* JOIST STIFFENERS NOT REQUIRED IF LOAD IS WITHIN 6" OF PANEL POINT.

**B5 TYP JOIST REINFORCEMENT DETAIL S-1 NTS**



**A5 SECTION AT REFRIGERATION UNIT S-1 NTS**

**STRUCTURAL ENGINEER OF RECORD**

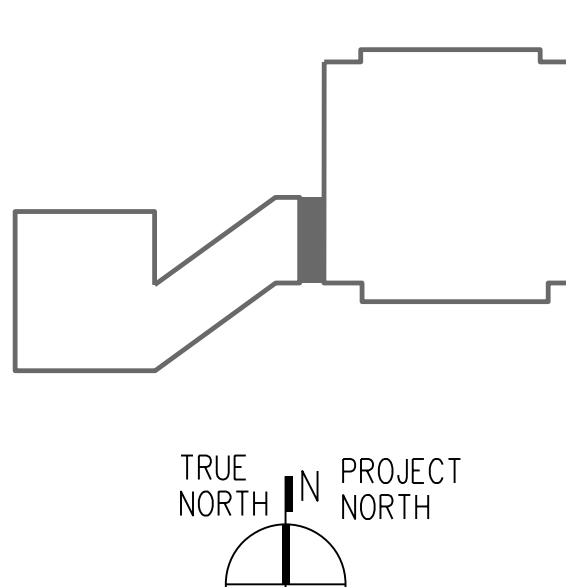
NAME: ADAM WARGA, P.E.  
REGISTRATION: FLORIDA REG. #PBE7513

**Seal**

Revision: \_\_\_\_\_  
Date: \_\_\_\_\_ By: \_\_\_\_\_ Description: \_\_\_\_\_

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HOLIDAY, FLORIDA 34680

**Key Plan:**



JACOBS PROJECT NO.: F6-W753-00-0504LS

Drawing Title: ABBREVIATIONS, GENERAL NOTES, AND ROOF FRAMING PLAN

Date: 06/08/23  
Designed By: S BAPTISTA  
Drawn By: S BAPTISTA  
Checked By: A WARGA

LIGHTING FIXTURE SCHEDULE						
MARK	MANUFACTURER	CATALOG NUMBER	LAMP		DESCRIPTION	LUMINAIRE WATTAGE
			STOCK NUMBER			
EM	DUAL-LITE	EV4DI-02L	INCLUDED		2-LAMP BATTERY BACK-UP FIXTURE	4
D12	LITHONIA	FHR22 55L LPB32 SCT WPF6494	LED DRIVER		2x2 LED CRACKED ICE, 5500LM, 3250K, ICE CHIP, 1 CIRCUIT, LAY-IN (GRD)	46
H6	LITHONIA	2CTL220LRW120/277E2LP835QLRSPDNAPX	LED DRIVER		2x2 LED, PRISMATIC, 2267LM, 3500K, 1 CIRCUIT LAY-IN (GRD)	17
R21	LITHONIA	CLX L96 10000LM SEF RDL MVOLT C210 35K 80CRI SPD QLR WH NAPX RFD284746	LED DRIVER		4' CLX, 3500K, 10000LM, LENSED, SURFACE	35
T34	ACCESS LIGHTING	Z8030-1C-BS/OPL			OPAL DIFFUSER 100W PENDANT WITH BRUSHED STEEL FINISH, MTG HT 66"-4" AFF	100
X1	DUALITE	CCR	INCLUDED		LED EXIT FIXTURE WITH EMERGENCY LIGHTS	12
X2	DUALITE	HGXURWRC12	INCLUDED		LED EXIT FIXTURE WITH EMERGENCY LIGHTS	23
X2R	DUALITE	PCNW	INCLUDED		REMOTE EXTERNAL LED EXIT WALL SCONCE CONNECTED TO "X2"	3

ELECTRICAL SYMBOL LEGEND				
SYMBOL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING HEIGHT
\$	HUBBELL	HBL1221/97071	20 AMP, SINGLE POLE "I" RATED SWITCH	47" AFF OR AS NOTED
\$m	P & S	125-I	MOTOR RATED SWITCH	47" AFF OR AS NOTED
\$3	HUBBELL	HBL1223/97071	20 AMP, THREE WAY "I" RATED SWITCH	47" AFF OR AS NOTED
\$51	HUBBELL	IWS2P3P-W	WIRE PER MANUFACTURER'S RECOMMENDED METHOD. ADJUST SENSITIVITY FOR OPTIMAL OPERATION. ADJUST TIME DELAY FOR 10 MINUTE OPERATION. SWITCH INCLUDES MANUAL OVERRIDE/BYPASS SETTING.	47" AFF (WITHIN 10" OF DOOR)
Ⓢ	HUBBELL	HBL5362/97101	20 AMP, 3W, DUPLEX RECEPTACLE	18" AFF / CLG. MTD
Ⓢ1	HUBBELL	GF5362/97101	20 AMP, 3W, GFI DUPLEX RECEPTACLE	18" AFF
Ⓢ2	HUBBELL	HBL5362/97101	20 AMP, 3W, DUPLEX RECEPTACLE	48" AFF OR AS NOTED
Ⓢ3	HUBBELL	2-HBL5362/97101	2-20 AMP, 3W, RECEPTACLE	18" OR AS NOTED
Ⓢ4	HUBBELL	HBL2310	20 AMP, 3W, CEILING MOUNTED RECEPTACLE	CEILING
Ⓢ15			FUSED DISCONNECT SWITCH SIZED FOR APPLICATION EX: 30-AMPERE SIZE, (15)-FUSE SIZE, (NF)-NON FUSED	
Ⓢ15			MOTOR - WATT SIZES AS INDICATED	
Ⓢ15			POWER POLE	
Ⓢ15			OUTLET BOX / 93181	JUNCTION BOX
Ⓢ15			JUNCTION BOX	AS NOTED
<b>ELECTRICAL PANEL</b>				
			CONDUIT CONCEALED IN WALL OR ABOVE CEILING WITH 2"x12, #12G, 3/4"C. MIN UNON	
			CONDUIT CONCEALED BELOW FLOOR SLAB OR FINISHED GRADE WITH 2"x12, #12G, 3/4"C. MIN UNON	
			CONDUIT OR CABLE TURNING UP	
			UNINTERRUPTIBLE POWER SUPPLY	
[HSA]	[HSC]		E.W.S. CONTROL HUMIDISTAT - SUPPLIED BY PUBLIX, INSTALLED BY CONTRACTOR	AT ELEV. 8'-2" AFF TO
[Tc]	[Tj]		E.M.S. CONTROL THERMOSTAT - SUPPLIED BY PUBLIX, INSTALLED BY CONTRACTOR	CENTER OR AS NOTED
[RT]			REMOTE TEST STATION FOR SMOKE DETECTOR	48" A.F.F.
			MANUAL TRANSFER SWITCH	

ALL RECEPTACLES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL PART NUMBERS ARE HUBBELL.

**C1 LEGEND, ABBREVIATIONS, AND GENERAL NOTES**  
E-1 NTS

COMMUNICATIONS LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
□	DATA ONLY	18" OR AS NOTED
▽	TELEPHONE ONLY	18" OR AS NOTED
▽	VOICE AND DATA COMBINATION	18" OR AS NOTED

NOTE: CONTRACTOR TO PROVIDE J-BOXES (4"X4" AFF OR AS NOTED) AND CONDUIT TO CEILING OR JOIST SPACE ONLY. ALL COVER PLATES PROVIDED BY CABLE INSTALLER.

REFRIGERATION LEGEND	
SYMBOL	DESCRIPTION
[F]	FAN CONNECTION
[L]	LIGHT CONNECTION
[P]	TEMPERATURE PROBE CONNECTION
[H]	ANTI-CONDENSATE HEATER
◇	REFRIGERATION SYSTEM NUMBER

**ABBREVIATION LIST**

(NOT ALL ABBREVIATIONS LISTED MAY BE USED ON THIS PROJECT)

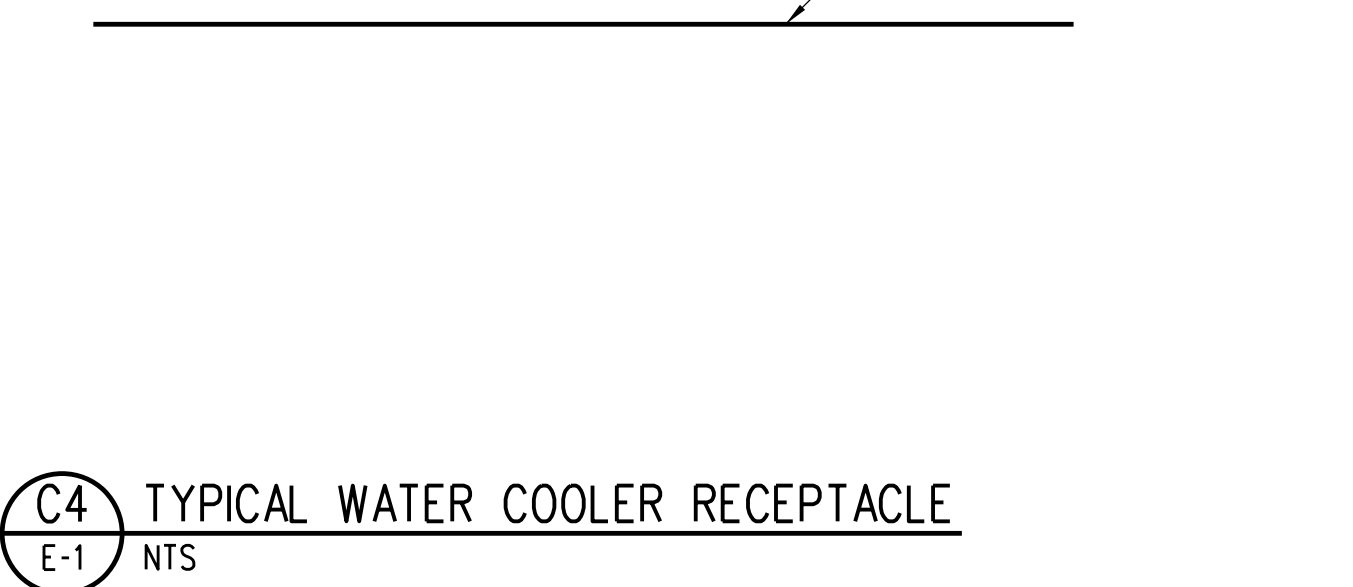
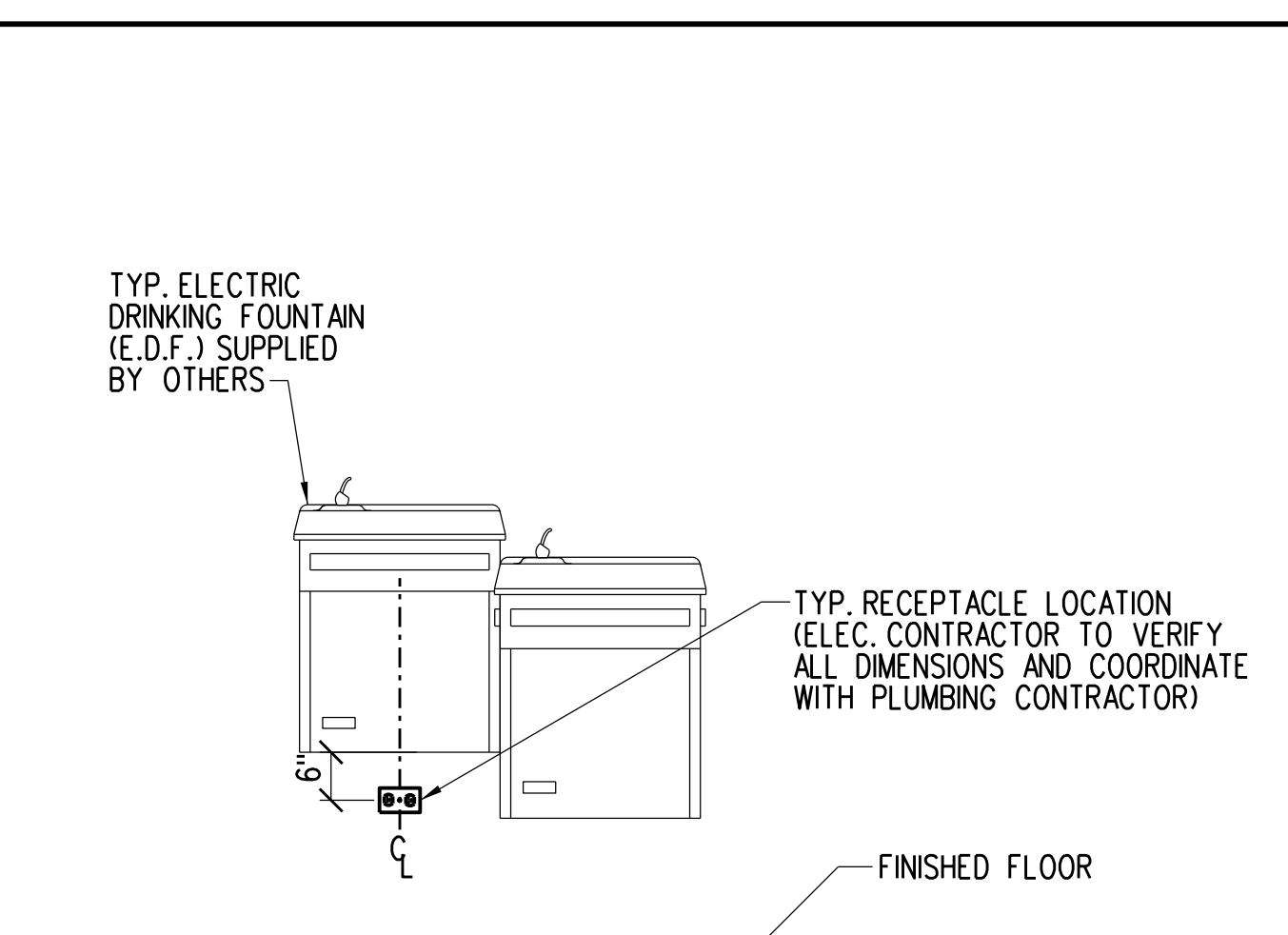
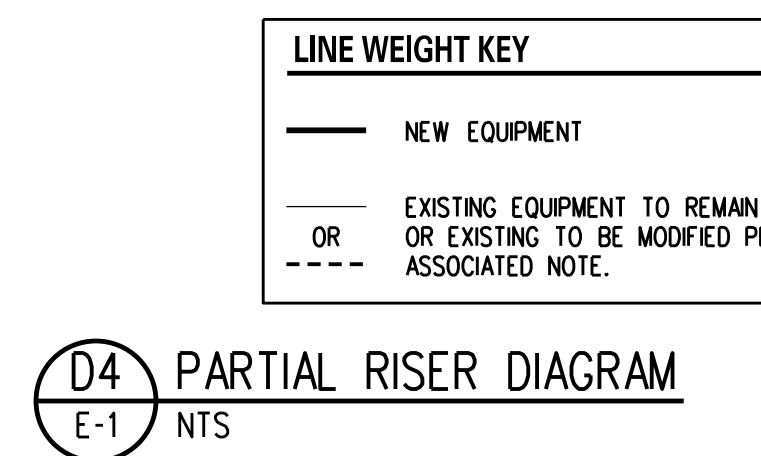
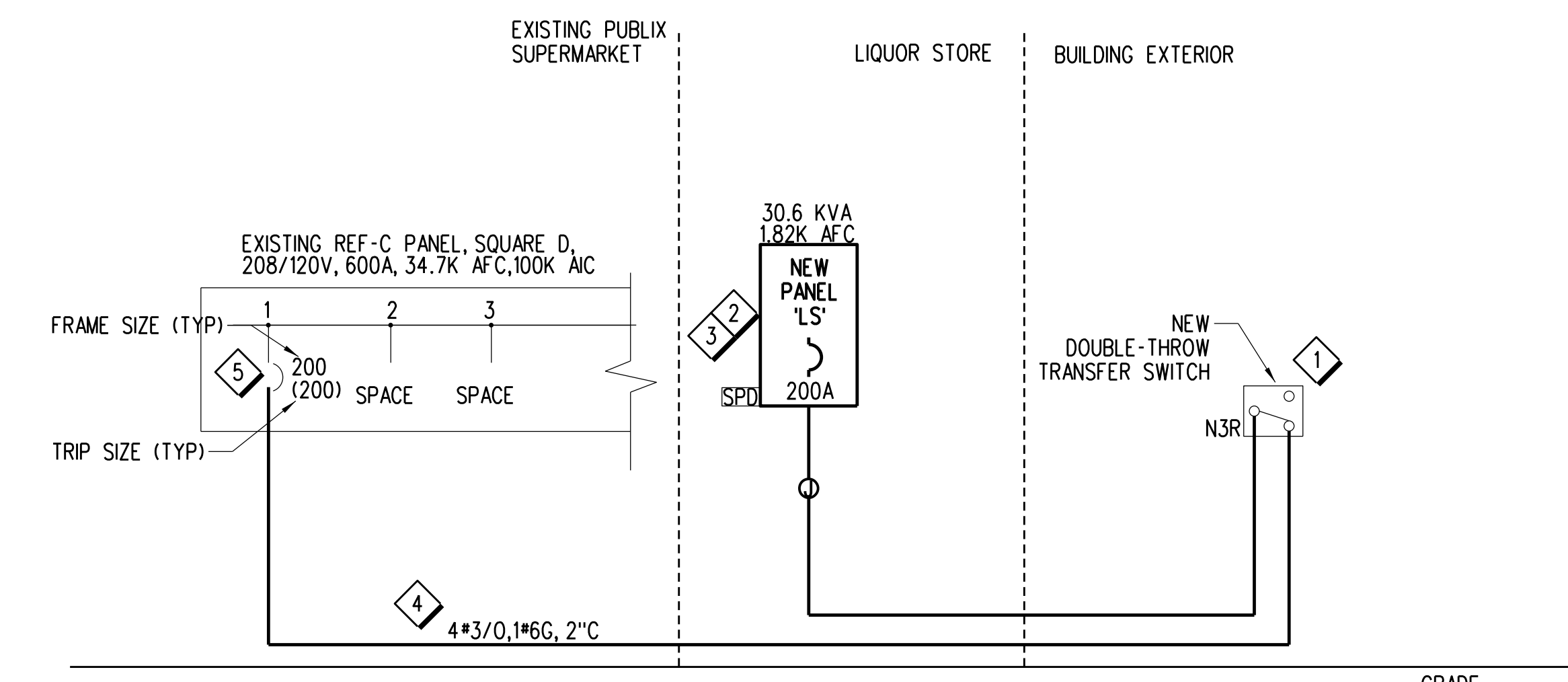
A	AMP	MEFB	MAIN ENTRANCE FEED BOX
AFC	AVAILABLE FAULT CURRENT	MH	MOUNTING HEIGHT
AIC	AMPERES INTERRUPTING CAPACITY	MLO	MAIN LUG ONLY
AF	ABOVE FINISHED FLOOR	MK	MUZAK SOUND SYSTEM
AWG	AMERICAN WIRE GAUGE	N	NEUTRAL
C	CONDUIT OR CONDUCTOR-AS APPLICABLE	NEC	NATIONAL ELECTRICAL CODE
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT (UNSWITCHED CKT.)
CKT	CIRCUIT	NTS	NOT TO SCALE
CLG	CEILING	P	POLE
CR	CASH REGISTER	PB	PULL BOX
DTS	DOUBLE THROW SWITCH	PNL	PANEL
E.D.F.	ELECTRIC WATER FOUNTAIN	PWR	POWER
ELEC	ELECTRICAL / ELECTRIC	RCPT	RECEPTACLE
EMSA	EMERGENCY MANAGEMENT SYSTEM A	SH	SHIELDED
FA	FIRE ALARM	UNON	UNLESS OTHERWISE NOTED
FACP	FIRE ALARM CONTROL PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY
FAPS	FIRE ALARM POWER SUPPLY	V	VOLT
FLUOR	FLUORESCENT	W	WIRE OR WATTS - AS APPLICABLE
G, GND	GROUND	WP	WEATHERPROOF
GFI, GFCI	GROUND FAULT (CIRCUIT) INTERRUPTER		
HPS	HIGH PRESSURE SODIUM		
HUB	A DEVICE THAT SERVES AS THE CENTER OF A STAR-TOPOLOGY NETWORK		
HW	HOT WATER HEATER		
IG	ISOLATED GROUND		
INCAN	INCANDESCENT		
JB	JUNCTION BOX		
KCM	THOUSAND CIRCULAR MILS		
KSU	KEY SYSTEM UNIT (MERIDIAN NORSTAR UNIT)		
KVA	KILOVOLT - AMPERE		
KW	KILOWATT		
KWH	KILOWATT HOUR		
LM	LOTTO MACHINE		
LTG	LIGHTING		
MCB	MAIN CIRCUIT BREAKER		
MDP	MAIN DISTRIBUTION PANEL		

**LIGHTING SYMBOLS**

⊗	PENDANT MOUNTED FIXTURE
⊗	WALL MOUNTED FIXTURE
⊗	WALL MOUNTED LED STRIP FIXTURE
⊗	2X2 LED TROFFER LIGHT FIXTURE
⊗	2X4 LED TROFFER LIGHT FIXTURE
⊗	EXISTING LIGHT FIXTURE
⊗	RELOCATED FIXTURE
⊗	NIGHT LIGHT
⊗	N.L.
⊗	NARROW LINES INDICATE DEVICES EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
⊗	EXIT SIGN WITH EMERGENCY LIGHTS
⊗	BATTERY PACK LIGHT FIXTURE, 'C' INDICATES CEILING-MOUNTED, OTHERWISE WALL MOUNTED.

LINE WEIGHT KEY	
—	NEW EQUIPMENT
- - -	EXISTING EQUIPMENT TO REMAIN
- - - -	RELOCATED EQUIPMENT

DEMOLITION LEGEND	
▨	ITEMS TO BE REMOVED



**DIAGRAM NOTES:**

- INSTALL NEW 200A DOUBLE-THROW SWITCH ON EXTERIOR WALL OF LIQUOR STORE.
- INSTALL NEW PANEL AND ASSOCIATED SURGE PROTECTION DEVICE. PANEL MUST BE BOTTOM-FED. REFER TO A3/E-2 FOR LOCATION. REFER TO A1 ON THIS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE ARC FLASH WARNING LABEL PER NEC 110.16.
- RUN ALONG THE REAR EXTERIOR WALL INTO THE PUBLIX SUPERMARKET MECHANICAL ROOM ON ROOF. COORDINATE EXACT ROUTING OF CONDUIT WITH PUBLIX REPRESENTATIVE.
- PROVIDE NEW 200A BREAKER, MATCH EXISTING MANUFACTURER AND TYPE.

**D4 PARTIAL RISER DIAGRAM**  
E-1 NTS

**C4 TYPICAL WATER COOLER RECEPTACLE**  
E-1 NTS

**C5 EXHAUST FAN EF-1 & EF-2 WIRING DIAGRAM**  
E-1 NTS

120 / 208 V 3 PHASE, 4 WIRE 225 AMP, MLO											
PANEL "L"						MANUFACTURER: SQUARE D TYPE: NQ, SURFACE AIC: EXISTING					
LOAD DESCRIPTION	KVA	KVA	TRIP/POLE	WIRE/COND.	OKT	OKT	WIRE/COND.	TRIP/POLE	KVA	KVA	LOAD DESCRIPTION
RECEPTACLES	R	0.90	20 /1P	SEE DWG	1	2	SEE DWG	20 /1P	0.20		NIGHT LIGHTING
RECEPTACLES	R	0.54	20 /1P	EXISTING	3	4	SEE DWG	20 /1P	0.30		LIGHTING
TELEPHONE RECEPTACLE	R		1.00	20 /1P	EXISTING	5	6	SEE DWG	20 /1P	0.30	LIGHTING
AC-1	A	4.60	60 /3P	EXISTING	7	8	SEE DWG	20 /1P	0.20		SHOW WINDOW RCPT
:	A	4.60	:	EXISTING	9	10	SEE DWG	20 /1P	0.20		SHOW WINDOW RCPT
:	A	4.60	:	EXISTING	11	12	SEE DWG	20 /1P	1.20		SIGN
RTU RECEPTACLE	R	0.20	20 /1P	SEE DWG	13	14	SEE DWG	20 /1P	0.05		RESTROOM LTG & EF-1
EW	M	2.25	30 /2P	SEE DWG	15	16	SEE DWG	20 /1P	0.06		STORAGE LTG & EF-2
:	M		2.25	:	SEE DWG	17	18	SEE DWG	20 /1P	0.18	LIGHTING CONTROL PANEL
EW	M	0.50	20 /1P	SEE DWG	19	20	SEE DWG	20 /1P	0.30		CUST SERV PENDANT LTG
SAFE RECEPTACLE	M	0.18	20 /1P	SEE DWG	21	22	SEE DWG	20 /1P	0.54		ICE MERCHANDISER
SPACE					23	24	SEE DWG	20 /1P	0.72		CUSTOMER SERVICE
BEV CASE #90 FAN	F	0.13	15 /1P	SEE DWG	25	26	SEE DWG	20 /1P	1.08		CUSTOMER SERVICE AND UPS
BEV CASE #90 LTG	L	0.15	20 /1P	SEE DWG	27	28	SEE DWG	20 /1P	0.36		CRASH BAR
BEV CASE #90 HTR	F	0.13	20 /1P	SEE DWG	29	30	SEE DWG	20 /1P	0.18		BURGLAR ALARM
SPACE					31	32	SEE DWG	30 /2P	2.16		ROOFTOP UNIT LS-1
SPACE					33	34	SEE DWG	:	2.16		:
SPACE					35	36	SEE DWG	20 /1P	0.18		ROOFTOP RCPT
SPACE					37	38					SPACE
SPACE					39	40					SPACE
SPACE					41	42					SPACE
		6.3	7.7	8.0					4.0	3.6	2.8

TOTAL CONNECTED LOAD: 32.4 TOTAL DEMAND LOAD: 33.1

LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND	PANEL NOTES:
LIGHTING	2.7	1.25	3.4	<1> LOCKABLE BREAKER
AIR CONDITIONING	13.8	1.00	13.8	<2> PROVIDE HACR BREAKER
REFRIGERATION	4.6	1.00	4.6	
KITCHEN	0.0	1.00	0.0	
MISC. EQUIPMENT	8.1	1.00	8.1	
RECEPTS. (1ST 10KVA)	3.2	1.00	3.2	
(REMAINING RECEPTS.)	0.0	0.5	0.0	
TOTAL DEMAND KVA:	32.4	1.02	33.1	

**A1 PANEL SCHEDULE**  
E-1 NTS

LIGHTING CONTROL PANEL RELAY SCHEDULE 'LCP-LS'							
RELAY NUMBER	CIRCUIT CONTROLLED	LOAD CONTROLLED	RELAY GROUP	RELAY NUMBER	CIRCUIT CONTROLLED	LOAD CONTROLLED	RELAY GROUP
1	LS-4a	50% SALES FLOOR LTG	A	2	LS-6a	50% SALES FLOOR LTG	B
3	LS-4b	50% DAY LIT SALES FLOOR LTG	C	4	LS-6b	50% DAY LIT SALES FLOOR LTG	D
5	LS-17	EXTERIOR SIGNAGE	E	6		SPARE	
7		SPARE		8		SPARE	

RELAY GROUP SCHEDULE		
RELAY GROUP	LOAD CONTROLLED	RELAY CONTROL BEHAVIOR
A	50% SALES FLOOR LTG	MANUAL ON/SCHEDULE OFF. AFTER-HOURS VIA 2HR OVERRIDE VIA SWITCH
B	50% SALES FLOOR LTG	MANUAL ON/SCHEDULE OFF. AFTER-HOURS VIA 2HR OVERRIDE VIA SWITCH
C	50% DAY-LIT SALES FLOOR LTG	MANUAL ON/SCHEDULE OFF. AFTER-HOURS VIA 2HR OVERRIDE VIA SWITCH
D	50% DAY-LIT SALES FLOOR LTG	MANUAL ON/SCHEDULE OFF. AFTER-HOURS VIA 2HR OVERRIDE VIA SWITCH
E	EXTERIOR SIGNAGE	SCHEDULE ON/OFF

NOTE: CONTRACTOR SHALL PROVIDE ALL SYSTEM PROGRAMMING. CONFIRM ALL SCHEDULE ON/OFF TIMES WITH PUBLIX REPRESENTATIVE

**A4 RELAY SCHEDULES**  
E-1 NTS

**Jacobs**  
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ELECTRICAL ENGINEER OF RECORD  
NAME: LEO G. PEREZ, P.E.  
REGISTRATION: FLORIDA REG. #PE67334

Revision: \_\_\_\_\_  
Date: \_\_\_\_\_ By: \_\_\_\_\_ Description: \_\_\_\_\_

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HOLIDAY, FLORIDA 34680

EVERGREEN ENVIRONMENT  
Jacobs Project No.: F6-W753-00-0504LS  
Drawing Title:  
LEGENDS, DETAILS, ABBREVIATIONS, AND PANEL SCHEDULE

Date: 06/08/23  
Designed By: S. ROSARIO  
Drawn By: S. ROSARIO  
Checked By: L. PEREZ

Drawing No.: \_\_\_\_\_  
**E-1**

DEMOLITION NOTES:

- 1 DISCONNECT EXISTING EMERGENCY BATTERY WALLPACK FOR RELOCATION, REUSE WIRE AND CONDUIT, AS NEEDED. REFER TO A3 ON THIS SHEET FOR ADDITIONAL INFORMATION.

GENERAL DEMOLITION NOTES:

- A. CONTRACTOR SHALL MAKE PRELIMINARY SITE VISIT AND VERIFY THE MAGNITUDE AND SCOPE OF THE PROJECT BEFORE BIDDING.
- B. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, PANELBOARDS, AND LIGHTING FIXTURES AS INDICATED.

PLAN NOTES:

- 1 CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS (CIRCUIT BREAKER, WIRE AND CONDUIT SIZE) OF NEW SIGNAGE WITH THOMAS LIGHTING REPRESENTATIVE. CIRCUIT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUIT AND UPDATE PANEL SCHEDULE ACCORDINGLY.
- 2 CONNECT LIGHT FIXTURE TO CIRCUIT SHOWN. EXTEND WIRE AND LIGHTING CONTROL PANEL REFER TO A4/E-1 FOR LIGHTING CONTROL PANEL RELAY INFORMATION.
- 3 INSTALL NEW EXTERIOR LIGHT FIXTURE. CONNECT TO NEW EXIT SIGN CIRCUIT FOR NORMAL AND EMERGENCY OPERATIONS PER MANUFACTURER GUIDELINES. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH PUBLIC REPRESENTATIVE.
- 4 INSTALL NEW EMERGENCY LIGHT FIXTURE AND CONNECT TO CIRCUIT SHOWN. MOUNT BATTERY PACK LIGHT FIXTURE 90" A.F.F. OR ABOVE DOOR WAY OR ON CEILING AS APPLICABLE.
- 5 PROVIDE AND INSTALL SPEC SEAL ELECTRICAL BOX INSERT (EP44) OR APPROVED EQUIVALENT IN JUNCTION BOX. FOR CONDUIT OR PIPE PENETRATIONS IN MASONRY WALL. REFER TO FIRESTOP DETAIL C5/A-5.
- 6 PROVIDE AND INSTALL SPEC SEAL ELECTRICAL BOX INSERT (EP44) OR APPROVED EQUIVALENT IN JUNCTION BOX. FOR CONDUIT OR PIPE PENETRATIONS IN MASONRY WALL. REFER TO FIRESTOP DETAIL A5/A-5.
- 7 INSTALL RELOCATED NEW SIGN AND CONNECT TO EXISTING CIRCUIT IN AREA SHOWN. CONNECT TO EXIT SIGN FOR NORMAL AND EMERGENCY OPERATION PER MANUFACTURER GUIDELINES.
- 8 PROVIDE 4-BUTTON LOW VOLTAGE WHITE, MOMENTARY SWITCH FOR LIGHTING CONTROL. HUBBELL BUILDING AUTOMATION \*KX092508JLM. REFER TO LIGHTING CONTROL PANEL RELAY SCHEDULES ON SHEET E-1 FOR RELAY PROGRAMMABLE REQUIREMENTS. VERIFY ALL CONTROL BEHAVIORS WITH PUBLIC REPRESENTATIVE.
  - a. 50% OF SALES NON-DAY-LIT AREA
  - b. 50% OF SALES NON-DAY-LIT AREA
  - c. 50% OF SALES DAY-LIT AREA
  - d. 50% OF SALES DAY-LIT AREA
- 9 CONNECT SWITCHES TO CONTROL RECEPTACLES. REFER TO A1/E-3 FOR CONTINUATION OF CIRCUIT.
- 10 CONNECT NEW EXHAUST FAN TO NEW CIRCUIT SHOWN. REFER TO DWG C5/E-1 FOR EXHAUST FAN WIRING DIAGRAM.
- 11 CONNECT TO EXISTING CIRCUIT SERVING THE AREA SHOWN. EXTEND WIRE AND CONDUIT AS REQUIRED.
- 12 PROVIDE SURFACE MOUNTED LIGHTING CONTROL PANEL WITH 8 INDEPENDENTLY PROGRAMMABLE RELAYS. HUBBELL BUILDING AUTOMATION \*KX092508JLM. REFER TO LIGHTING CONTROL PANEL RELAY SCHEDULES ON SHEET E-1 FOR RELAY PROGRAMMABLE REQUIREMENTS. VERIFY ALL CONTROL BEHAVIORS WITH PUBLIC REPRESENTATIVE.

GENERAL NOTES:

- A. CIRCUITS ARE NOTED AT FIXTURE'S LOCATION INDICATED BY FIXTURE'S DESIGNATION FOLLOWED BY THE PANEL AND CIRCUIT NUMBER.
- B. CONTRACTOR SHALL ATTACH 2\*10 GAUGE SUPPORT WIRES (PROVIDED BY GENERAL CONTRACTOR) TO LIGHT FIXTURES AFTER GENERAL CONTRACTOR HAS ATTACHED SUPPORT WIRE SECURELY TO BUILDING STRUCTURE.
- C. ALL CIRCUITS SHALL BE 2\*12, 1\*12G AWG UNLESS OTHERWISE NOTED.
- D. A FUNCTIONAL TEST OF THE LIGHTING CONTROL SYSTEM SHALL BE PERFORMED PER FLORIDA BUILDING CODE SECTION C408.3.1.1, C408.3.1.2 AND/OR C408.3.1.3. LIGHTING CONTROL SYSTEM SHALL BE TESTED TO ENSURE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION, IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS.
- E. THE ELECTRICAL CONTRACTOR SHALL PURCHASE THE LIGHT FIXTURES FROM PUBLIC LIGHTING DISTRIBUTOR/SUPPLIERS. THE ORDER SHALL BE REFERENCED THE STORE NUMBER AND ADDRESS FOR ORDERING RECORD. LIGHTING FIXTURES SHALL BE ORDERED FROM THE FOLLOWING DISTRIBUTOR/SUPPLIER:

FLORIDA LIGHTING ASSOCIATES (HUBBELL PRODUCT)  
ATTN: ROGER PEREIRA OR CYNDEE STRINGFIELD  
DIRECT: (407) 734-2358  
EMAIL(S):  
ROGERP@FLORIDALIGHTINGASSOCIATES.COM  
CYNDEES@FLORIDALIGHTINGASSOCIATES.COM

AMERLUX PLATINUM SERVICES (TRACK LIGHTING)  
ATTN: AMANDA FOUST OR OLIVIA CAMPANA  
EMAIL: AMERLUXPLATINUMSERVICES@AMERLUX.COM

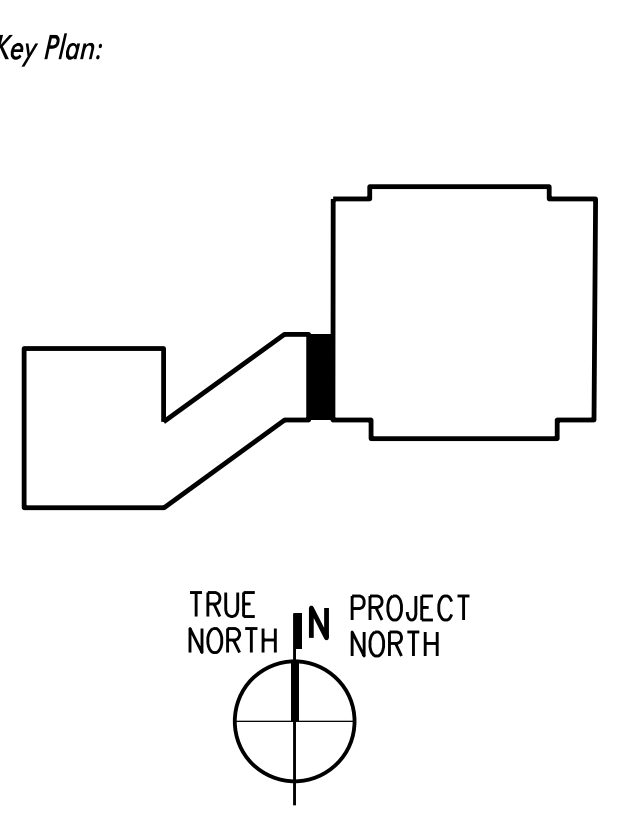
WORLD ELECTRIC SUPPLY FACILITY AND ALL OTHER LIGHT FIXTURES)  
ATTN: KRISTINA KELLY  
DIRECT: (813) 774-7473  
CELL: (404) 915-2142  
EMAIL: KRISTINA.KELLY@WORLDELECTRICSUPPLY.COM

VILLA/CONTECH LIGHTING (DECORATIVE PENDANT AND WALL SCONCE FIXTURES)  
ATTN: RONDA SCHRAGE  
DIRECT: (314) 633-0536  
EMAIL: PUBLIC@VILLALIGHTING.COM

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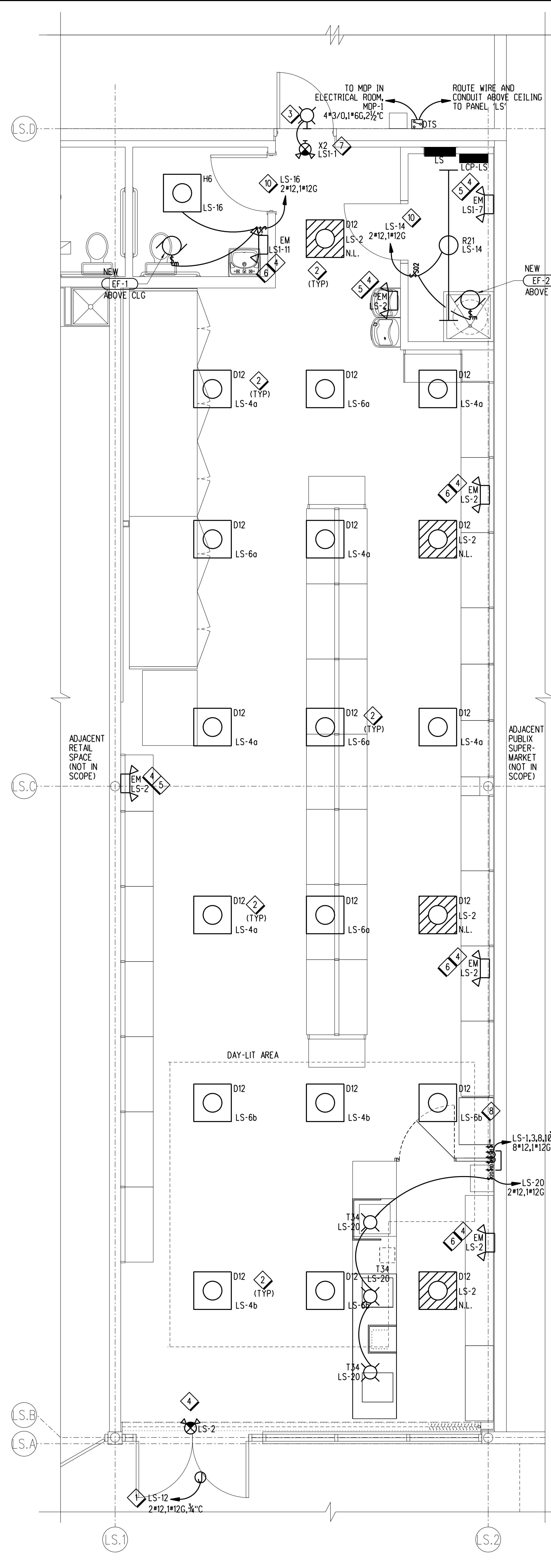
EVERGREEN ENVIRONMENT

Jacobs Project No.: F6-W753-00-0504LS

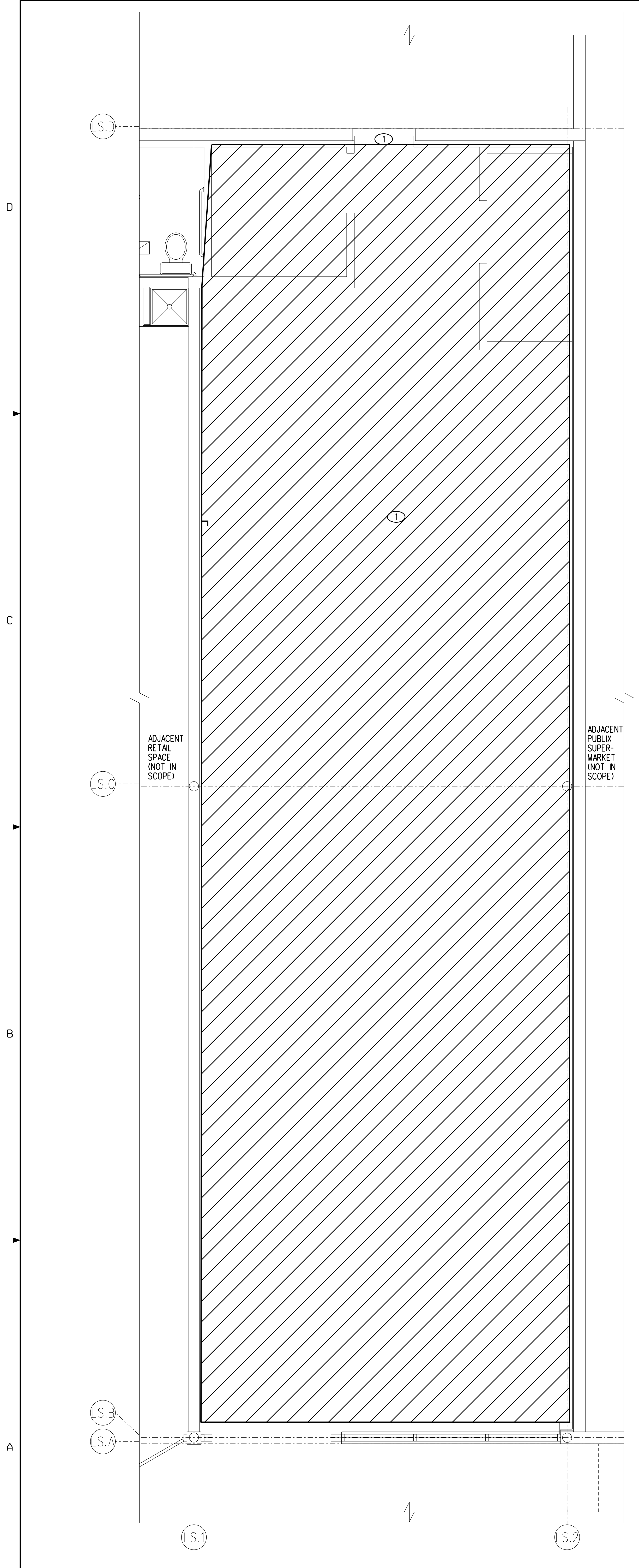
Drawing Title: ELECTRICAL DEMOLITION AND LIGHTING PLANS

Date: 06/08/23

Designed By: S ROSARIO  
Drawn By: S ROSARIO  
Checked By: L PEREZ



A3 LIGHTING PLAN



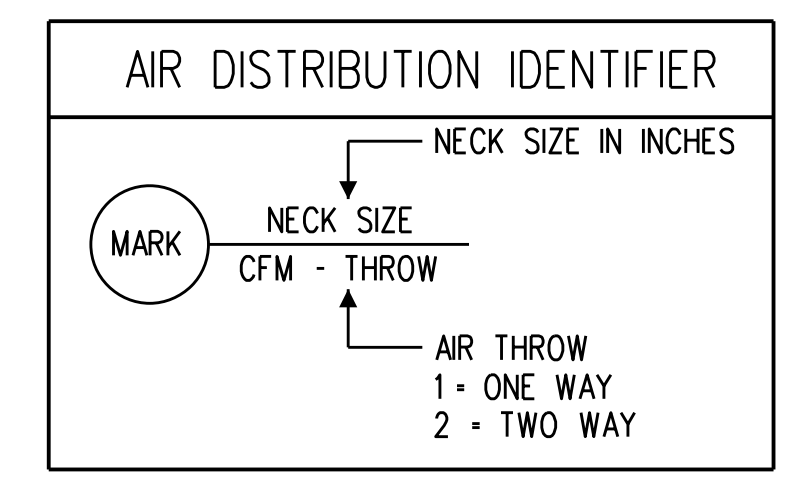
A1 ELECTRICAL DEMOLITION PLAN



**AIR CONDITIONING SCHEDULE**

UNIT	EXISTING UNIT TO BE REPLACED	LOCATION	MANUF./MODEL	BASIC UNIT					CAPACITY				ELECTRICAL			PERFORMANCE SEC/VEER	FILTERS	REFRIGERANT	WEIGHT (LBS)	NOTES		
				TOTAL CFM	OUTSIDE AIR CFM	ESP " WG	BLOWER NOM. HP.	AMBIENT TEMP F	EAT db/wb	TOTAL MBH	SENS MBH	LVC EVAP db/wb	POWER V/PH/Hz	MCA	MOCP						HEAT kw/STEPS	
AC-1	-	LIQUOR STORE	LENNOX/LCT604HE	2,000	400	-	-	92.5	-	-	-	-	-	208/3/60	-	-	15.0/1	-	2" - 30z	R410A	-	1

NOTES:  
 1. EXISTING UNIT WITH HUMIDITROL.



**AREAS OF HORIZONTAL RUNS BY TRADE**

IN AN ATTEMPT TO RELIEVE THE CONFLICT OF TRADES WORKING ABOVE THE CEILING, AREAS OF HORIZONTAL RUNS FOR ELECTRICAL, MECHANICAL, FIRE SPRINKLER AND REFRIGERATION HAVE BEEN ESTABLISHED AS FOLLOWS:

**ELECTRICAL** FROM BOTTOM OF ROOF DECK TO 32" BELOW ROOF DECK

**REFRIGERATION** 32" TO 36" BELOW ROOF DECK

**FIRE SPRINKLER** 8" ABOVE CEILING (NOT TO CONFLICT W/LIGHT FIXTURES) AND IN OPEN AREAS JUST ABOVE BOTTOM OF BAR JOISTS

**AIR CONDITIONING** 36" BELOW ROOF DECK TO 10" ABOVE CEILING AND IN OPEN AREAS TIGHT TO BOTTOM OF BAR JOISTS AND BEAMS

IN SOME CASES DEVIATION MAY BE REQUIRED. IT IS EXPECTED THAT ALL TRADES WILL WORK WITHIN THESE SPACES. ANY DEVIATION MUST BE AGREED UPON BY THE JOB SUPERINTENDENT AND/OR A OWNER REPRESENTATIVE.

**AIR DISTRIBUTION DEVICE SCHEDULE**

MARK	SERVICE DESCRIPTION	DEVICE TYPE	MATERIAL	FACE SIZE	MODULE SIZE	CEILING TYPE	MANUF.	MODEL	REMARKS
1	SUPPLY	SO. PLAQUE	ALUMINUMIZED STEEL	SEE NECK SIZE	12x12	LAY-IN	METALARE	5750-6-AS	1, 3
2	RETURN	LOUVERED GRILLE	ALUMINUM	SEE NECK SIZE	24x24	LAY-IN	METALARE	RH-6	1, 2, 4

NOTES:  
 1. NECK SIZE SHALL MATCH SIZE AND CONFIGURATION OF CONNECTED DUCTWORK INDICATED ON PLAN DRAWINGS.  
 2. PROVIDE UNIT WITH OPPOSED BLADE DAMPER (RECTANGULAR NECK) OR BUTTERFLY DAMPER (ROUND NECK).  
 3. PROVIDE BLANKOFF PLATE FOR 5750 MODEL DIFFUSER DEPICTED WITH DIRECTIONAL ARROWS.  
 4. PROVIDE SQUARE TO ROUND ADAPTER.

**AIR BALANCE CALCULATIONS**

A/C UNIT SECTION					
TAG	AREA SERVED	STATUS	SUPPLY CFM	OUTSIDE CFM	RETURN CFM
AC-1	LIQUOR STORE	EXISTING	2,000	400	1,600
TOTALS			2,000	400	1,600
EXHAUST FAN SECTION					
TAG	AREA SERVED	STATUS	SUPPLY CFM	OUTSIDE CFM	RETURN CFM
EF-1	RESTROOM	NEW	100	-	-
EF-2	JANITOR	NEW	150	-	-
TOTALS			250	-	-
VITAL STATISTICS					
TOTAL OUTSIDE AIR INTAKE: 400 CFM					
TOTAL EXHAUST: 250 CFM					
TOTAL STORE AREA: 1,354 SF					
TOTAL DIFFERENCE IN CFM: 150 CFM					
2020 FBC-MECHANICAL 403.3.1.1 COMPLIANCE					
NET OCCUPIABLE STORE AREA: 1,083 SF (80% TOTAL STORE AREA)					
8 PEOPLE/1000 SF: 9 PEOPLE					
7.5 CFM/PERSON: 68 CFM					
0.06 CFM/SF 65 CFM					
TOTAL REQUIRED OUTSIDE AIR: 166 CFM PER TABLE 403.3.1.1.2 ZAD E2-0.8					
TOTAL OUTSIDE AIR FROM AC: 400 CFM > 166 CFM					
OVERALL PRESSURIZATION: 150 CFM OVER 1,354 SF = 0.11 CFM/SF					

NOTES:  
 1. THE CFM QUANTITIES LISTED FOR THE EXISTING AC UNITS ARE BASED ON ACTUAL DESIGN REQUIREMENTS. IT IS THE INTENT OF THIS RENOVATION PROJECT TO HAVE ALL UNITS OPERATE AT OR WITHIN 10% OF THEIR DESIGN CFM QUANTITY. CONTRACTOR SHALL NOTIFY PUBlix OF ALL EXISTING AC UNIT MALFUNCTIONS BEFORE THE FINAL TEST AND BALANCE IS PERFORMED AT PROJECT COMPLETION.  
 2. THE CFM QUANTITIES LISTED FOR THE EXISTING SUPPLY AND EXHAUST ARE BASED ON ACTUAL DESIGN REQUIREMENTS. IT IS THE INTENT OF THIS RENOVATION PROJECT TO HAVE ALL UNITS OPERATE AT OR WITHIN 10% OF THEIR DESIGN CFM QUANTITY. CONTRACTOR SHALL NOTIFY PUBlix OF ALL EXISTING AC UNIT MALFUNCTIONS BEFORE THE FINAL TEST AND BALANCE IS PERFORMED AT PROJECT COMPLETION.  
 3. (3) COPIES OF THE TEST AND BALANCE REPORT SHALL BE SUBMITTED TO PUBlix SUPERMARKETS AND (1) COPY TO ENGINEER OF RECORD AT THE END OF THE REMODEL.

MARK	AREA SERVED	TYPE	CFM	TSP " WG	MOTOR HP (WATTS)	POWER V/PH/Hz	FAN RPM	MANUFACTURER	MODEL	REMARKS
EF-1	RESTROOM	CEILING MOUNTED	100	0.166	(80)	115/1/60	950	GREENHECK	SP-B110	1,3
EF-2	JANITOR	CEILING MOUNTED	150	0.161	(128)	115/1/60	1,050	GREENHECK	SP-B150	1,2,3

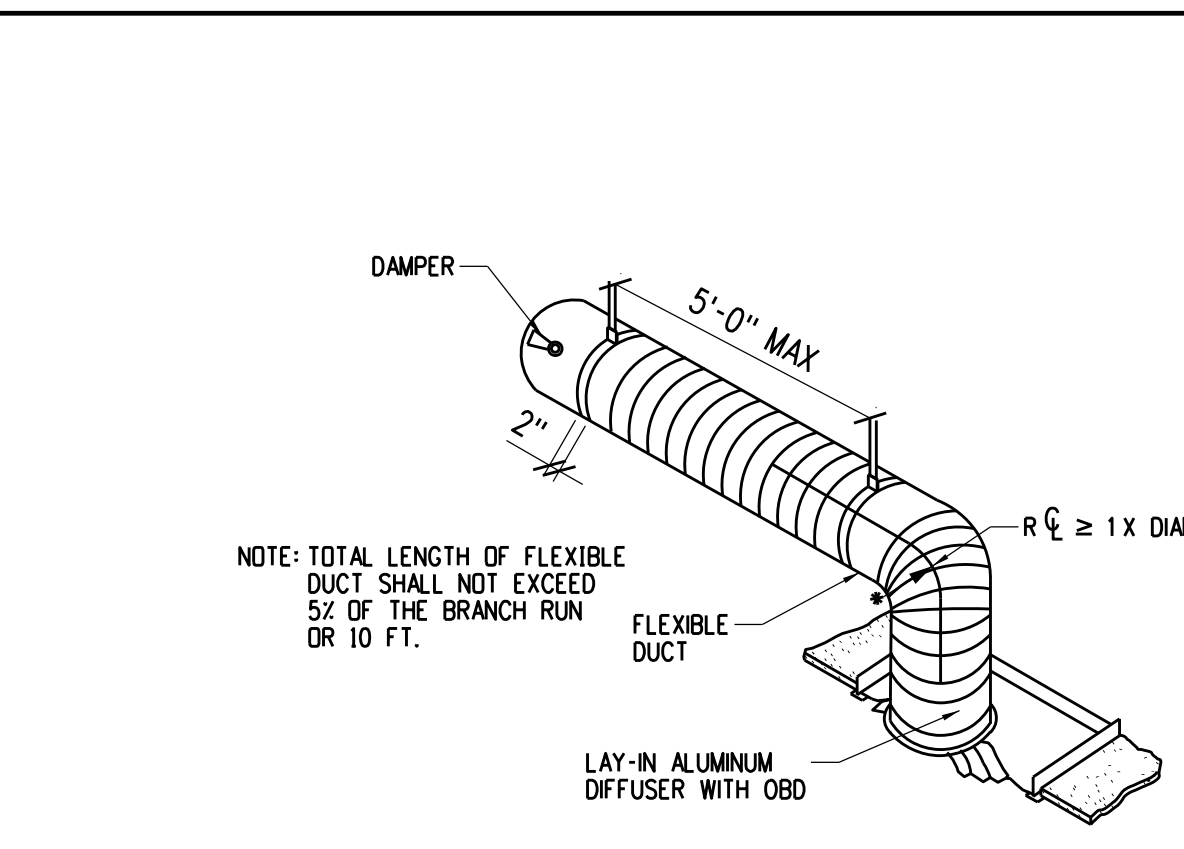
NOTES:  
 1. PROVIDE BUILT-IN OVERLOAD PROTECTION FOR MOTOR.  
 2. PROVIDE HOODED WALL CAP AND ROUND DUCT CONNECTOR WITH BUILT IN BACKDRAFT DAMPER.  
 3. EXHAUST FAN SHALL BE INTERLOCKED WITH LIGHT SWITCH.

**AIR CONDITIONING NOTES**

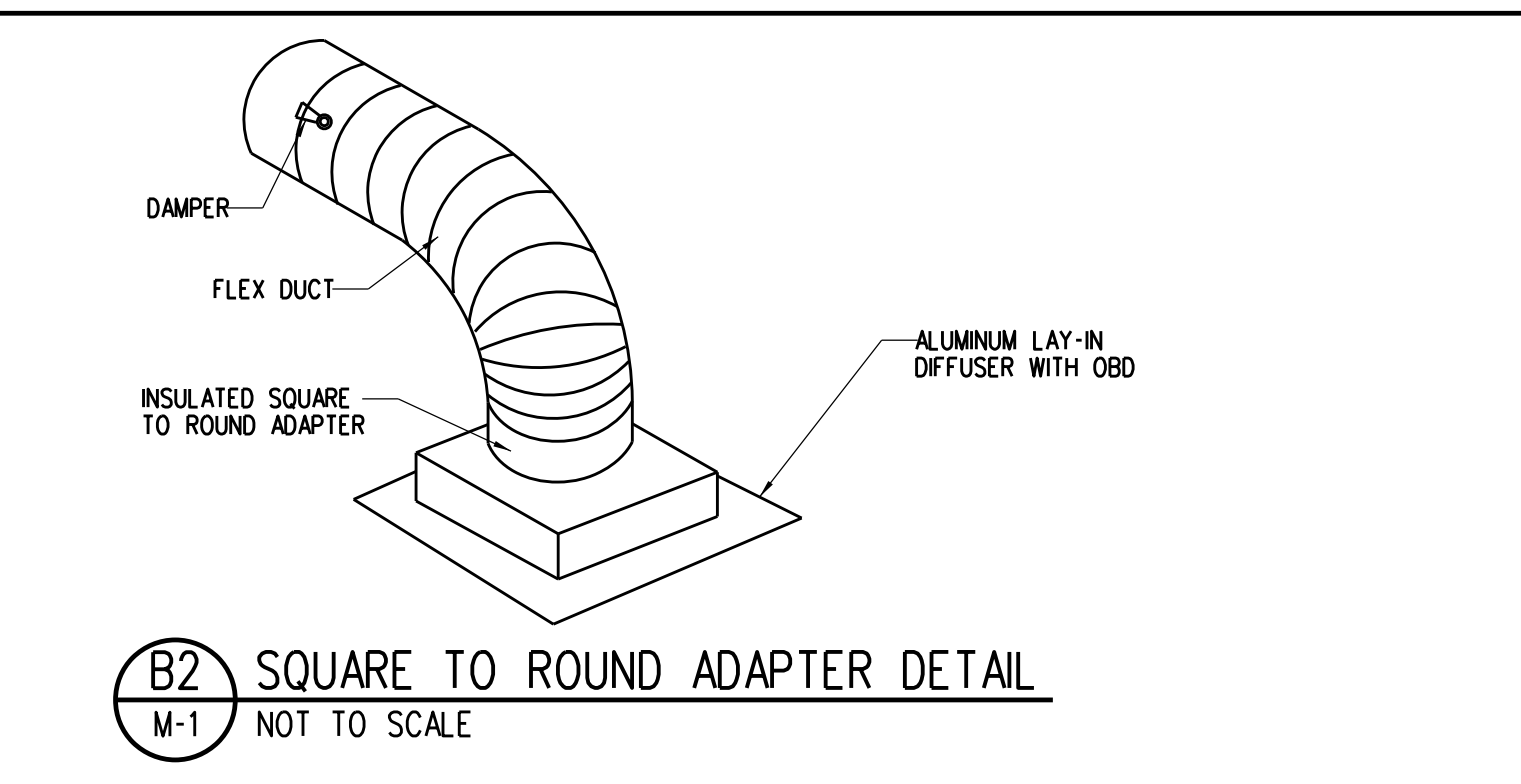
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- COORDINATE DIFFUSER AND REGISTER LOCATIONS WITH ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL CEILING PLANS.
- LOCATE THERMOSTATS AT 8'-0" AFF UNLESS OTHERWISE NOTED.
- ALL AIR DUCTWORK SHALL BE GALVANIZED SHEET METAL, INSTALLED, SEALED AND SUPPORTED IN ACCORDANCE WITH THE LATEST EDITION "SMACNA" LOW VELOCITY DUCT CONSTRUCTION STANDARDS. ALL NEW SPIRAL DUCTWORK TO BE PROVIDED BY EASTERN SHEET METAL OR LINDAB.
- INSIDES OF DUCT VISIBLE THROUGH GRILLES, REGISTERS, OR DIFFUSERS SHALL BE PAINTED FLAT BLACK WITH PAINT THAT COMPLIES WITH NFPA 90A 2015.
- SEAL ALL OPENINGS THROUGH ROOF AND EXTERIOR WALLS WATER TIGHT.
- FURNISH AND INSTALL MANUAL BALANCING DAMPER AT EACH BRANCH DUCT AND AT LOCATIONS INDICATED ON THE DRAWINGS.
- ALL EQUIPMENT AND DUCTWORK BELOW 6'-10" AFF SHALL BE SAFETY STRIPED AND SHARP EDGES PADDED, ACCORDING TO OSHA REQUIREMENTS.
- COORDINATE LOCATION OF ALL NEW ROOFTOP EQUIPMENT WITH STRUCTURAL DRAWINGS.
- CURB/CURB ADAPTOR SUPPLIER SHALL REFERENCE SHEETS R-1 AND R-2 FOR MORE INFORMATION REGARDING SUPPORT PLATFORM FOR REFRIGERATION UNIT.
- ALL DUCTWORK, DUCT SEALS, AND DUCTWORK ACCESSORIES TO COMPLY WITH 2020 FECC AND FMC.
- REFRIGERATION CONTRACTOR SHALL BE RESPONSIBLE FOR STARTING UP ALL LENNOX UNITS AND EXHAUST FANS.

**HVAC LEGEND**

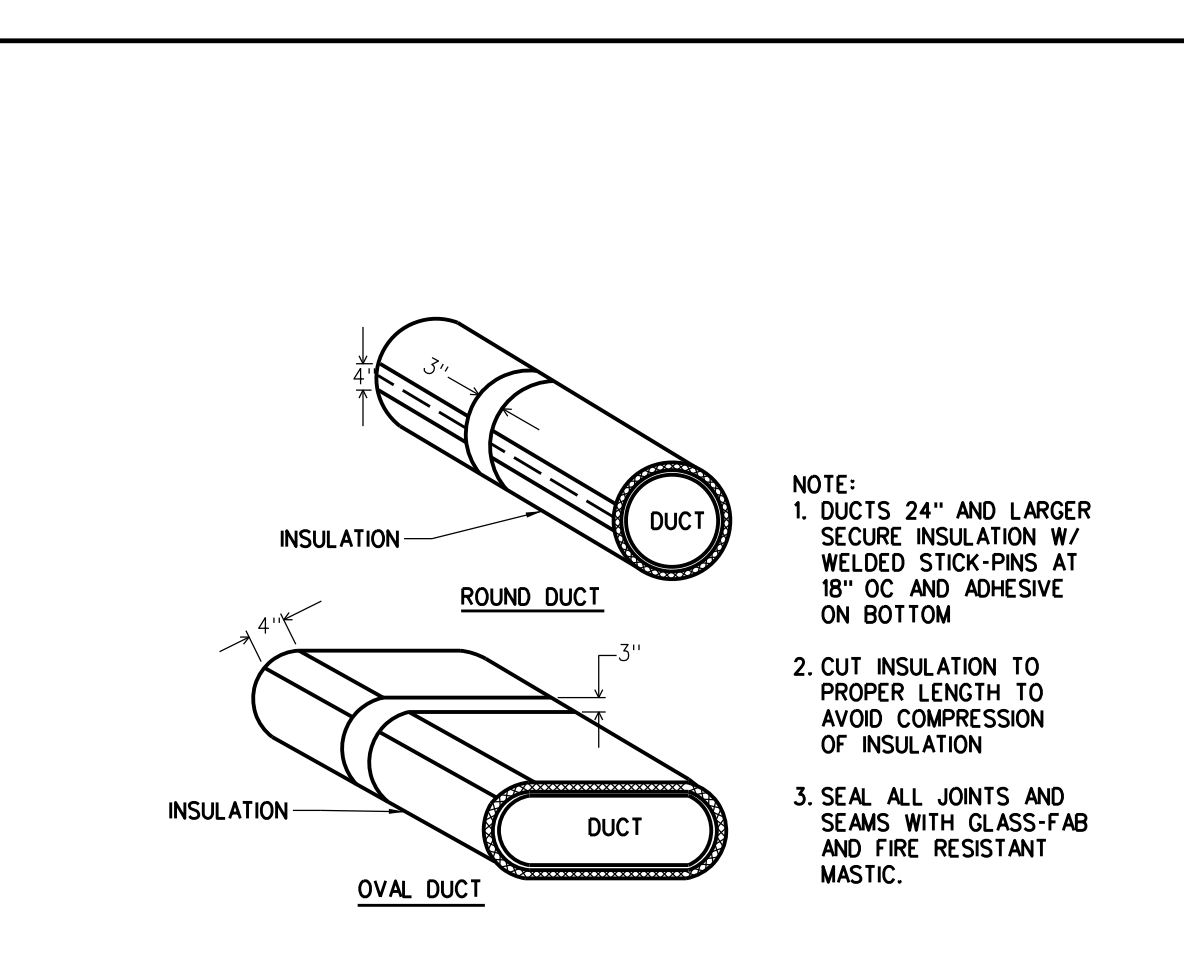
- GR GRILLE
- DC DOOR GRILLE-OPENING TO BE CUT BY G.C.
- CG CEILING GRILLE
- REG REGISTER
- CR CEILING REGISTER
- CD CEILING DIFFUSER
- OA OUTSIDE AIR
- RA RETURN AIR
- SA SUPPLY AIR
- CFM CUBIC FEET PER MINUTE
- FFM FEET PER MINUTE
- SD SPLITTER DAMPER
- ODB OPPOSED BLADE DAMPER
- MVD MANUAL VOLUME DAMPER
- FD FIRE DAMPER-UL LISTED 1-1/2HR.
- AFF ABOVE FINISHED FLOOR
- TSP TOTAL STATIC PRESSURE
- NEW CONNECTION TO EXISTING



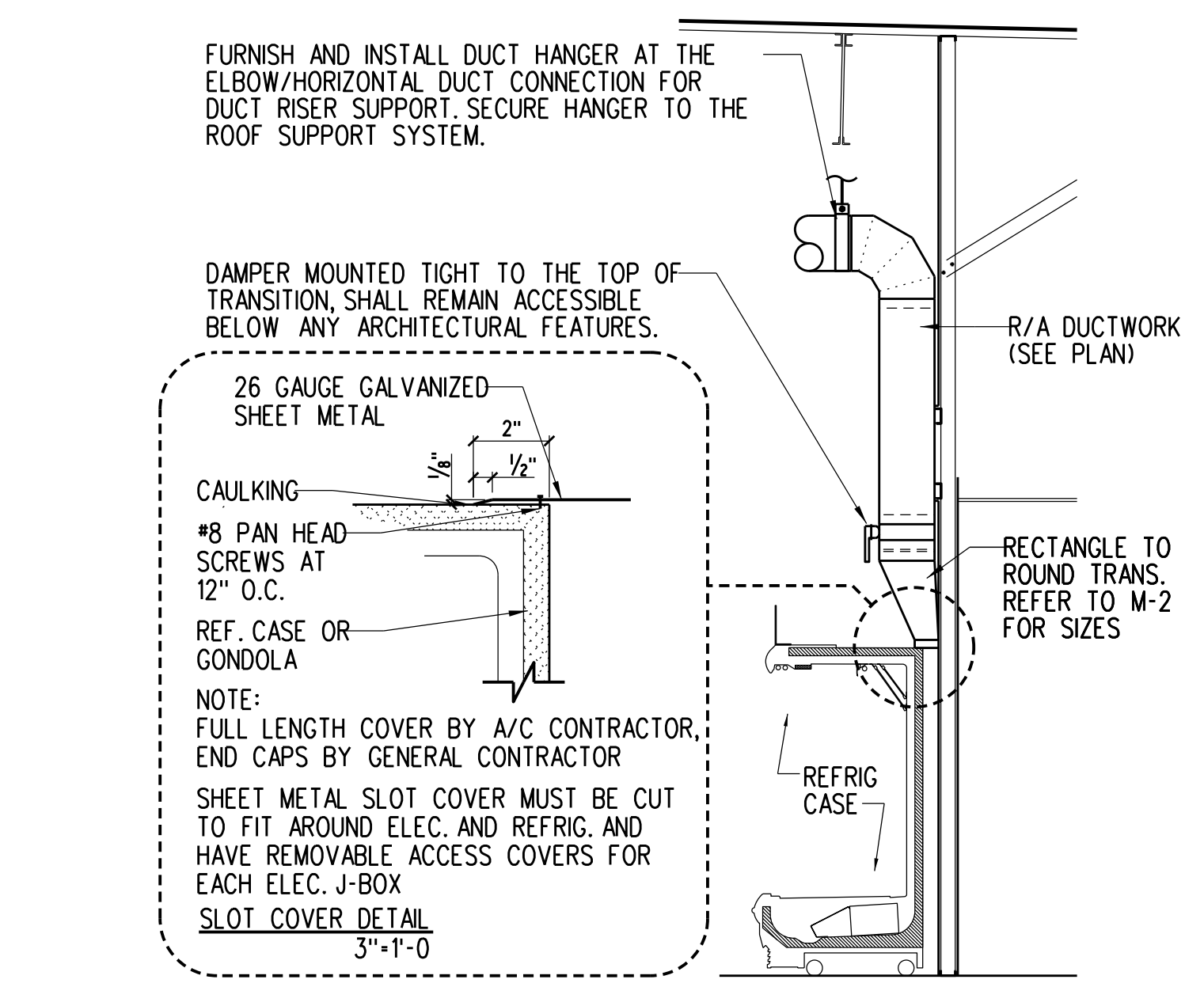
**B1 FLEX DUCT DETAIL**  
 M-1 NOT TO SCALE



**B2 SQUARE TO ROUND ADAPTER DETAIL**  
 M-1 NOT TO SCALE



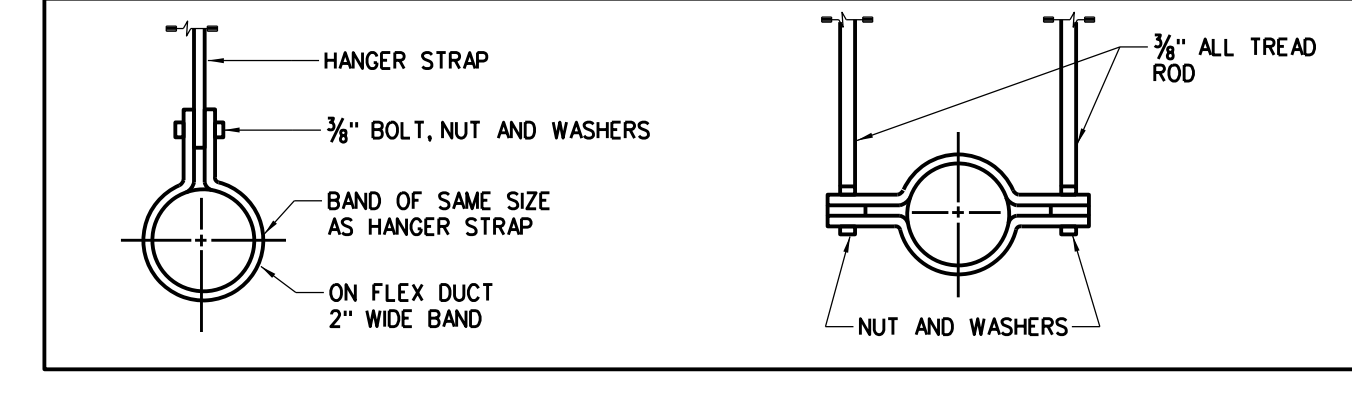
**A1 TYPICAL DUCT WRAPPING DETAIL**  
 M-1 NOT TO SCALE



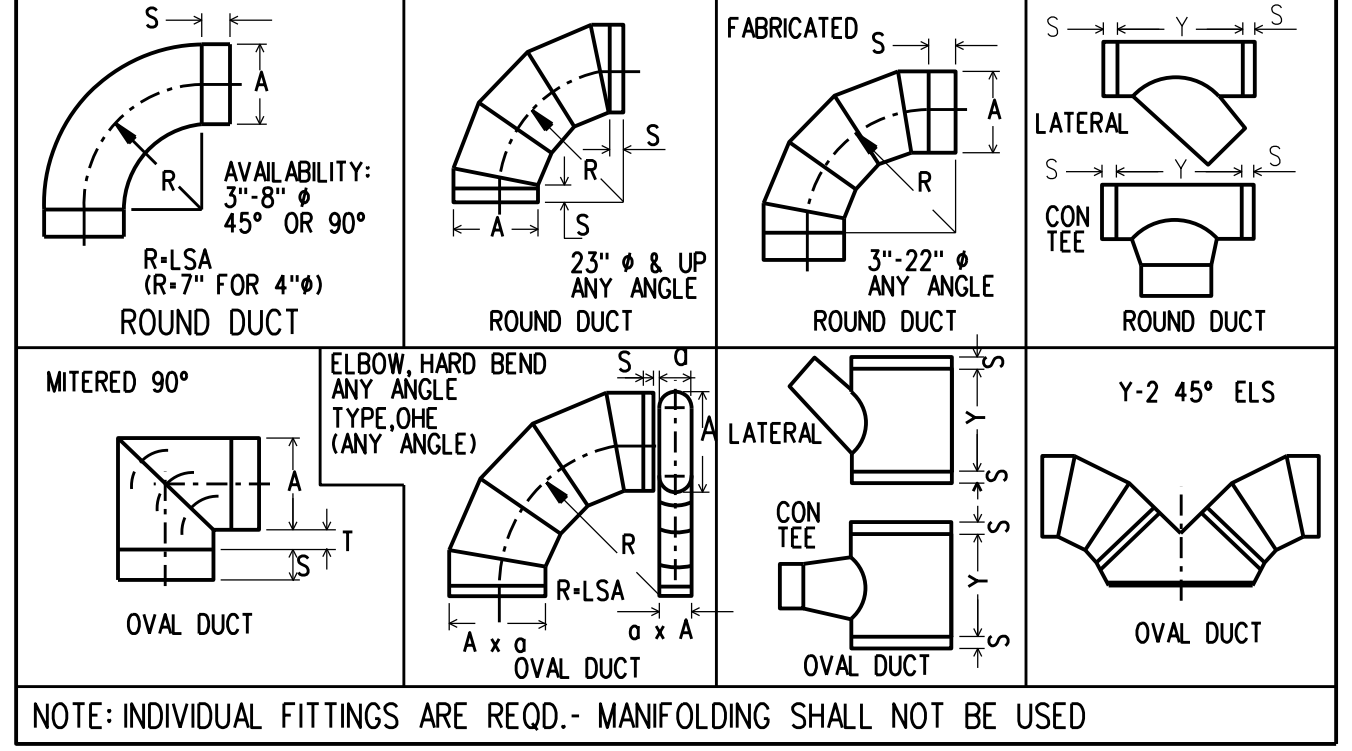
**A2 WALL REFRIGERATED CASE RETURN**  
 M-1 NOT TO SCALE

DUCT DIAMETER	ROUND HANGERS	STRAP HANGERS	MAXIMUM SPACING	No OF HANGER
1 1/2" THRU 18"	8 GAUGE WIRE	1" x 22 GAUGE	12'-0"	1
19" THRU 24"	1/2" ALL TREAD ROD	1" x 22 GAUGE	12'-0"	1
25" THRU 36"	3/8" ALL TREAD ROD	1" x 20 GAUGE	12'-0"	1
37" THRU 50"	(2) 3/8" ALL TREAD ROD	(2) 1" x 20 GAUGE	12'-0"	2
51" THRU 60"	(2) 3/8" ALL TREAD ROD	(2) 1" x 18 GAUGE	12'-0"	2
61" THRU 84"	(2) 3/8" ALL TREAD ROD	(2) 1" x 16 GAUGE	12'-0"	2

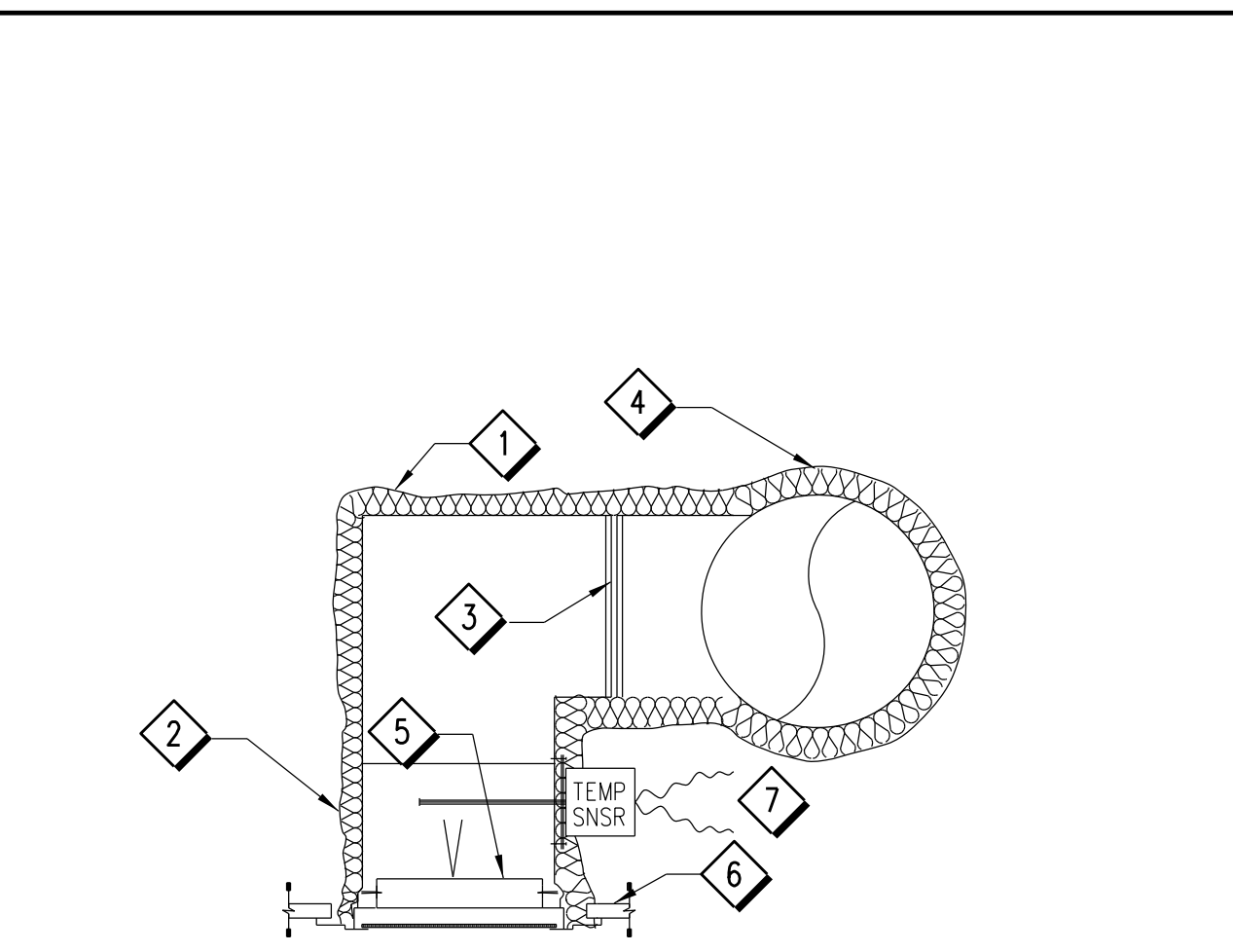
(1) ALL HANGERS MUST BE SECURELY ATTACHED TO A STRUCTURAL MEMBER AND NOT TO THE ROOF DECK.  
 (2) WIRE, RODS, AND STRAPS SHOULD BE MADE FROM GALVANIZED STEEL.  
 (3) THIS TABLE ASSUMES CONVENTIONAL WALL THICKNESS AND JOINTS PLUS ONE LB/50 FT INSULATION. SEE SMACNA'S DUCT CONSTRUCTION STANDARDS IF HEAVIER DUCTS ARE TO BE INSTALLED.



**B3 HANGERS FOR ROUND DUCT**  
 M-1 NOT TO SCALE

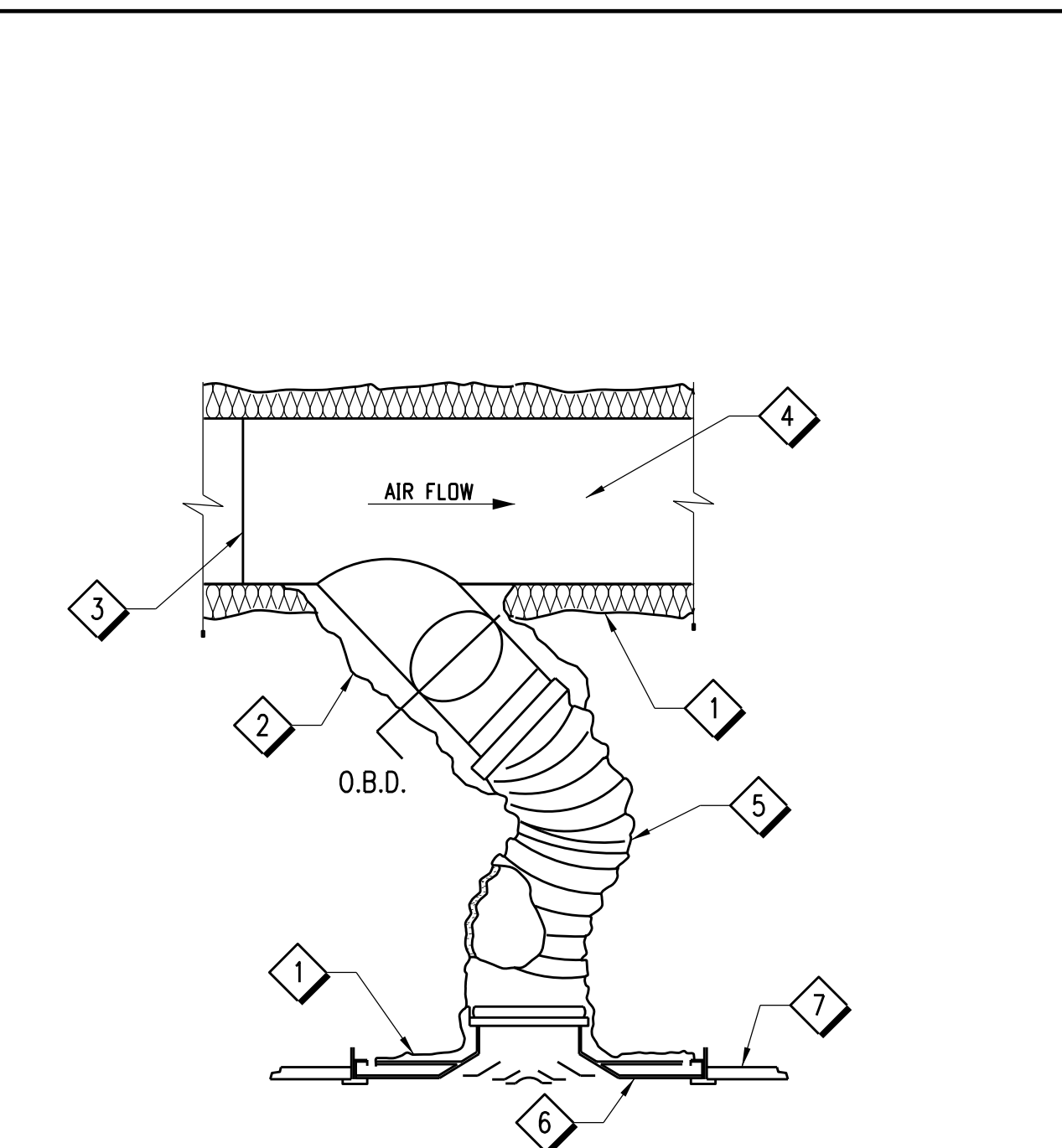


**A3 TYPICAL DUCT FITTING**  
 M-1 NOT TO SCALE



- FOIL BACK FIBERGLAS INSULATION, WRAP COMPLETELY AROUND TRUNK DUCT DROP AND GRILLE AS SHOWN, TAPE AND STAPLE PER SPECS AND DUCT WRAPPING DETAIL.
- SEAL ALL SEAMS AROUND CONNECTION WITH GLASS-FAB AND MASTIC.
- SEAL ALL DUCT JOINTS AND SEAMS AS PER WRAPPING DETAIL. PAINT SMOOTH AND FILL ALL PIN HOLES ON ALL CONNECTIONS.
- ALL DUCTS SHALL BE SUPPORTED IN AN APPROVED MANNER. REFER TO TABLE AND DETAIL.
- FOUR (4) #8X1/2" SHEET METAL DRILL SCREWS AS MANUFACTURED BY DURO-DYNE, ITEM CODE NUMBER 1400-4 OR APPROVED EQUAL, TYPICAL EACH POINT OF CONNECTION.
- SEE ARCHITECTURAL PLANS FOR CEILING TYPE.
- CPC TEMP SENSOR, MODEL # 201-212, FURNISHED BY PUBlix, INSTALLED BY MECHANICAL CONTRACTOR & WIRED BY ELECTRICAL CONTRACTOR (APPLICABLE IF INDICATED ON M-2.)

**A4 RETURN AIR REGISTER DETAIL**  
 M-1 NOT TO SCALE



- FOIL BACK FIBERGLAS INSULATION, WRAP COMPLETELY AROUND TRUNK DUCT DROP AND GRILLE AS SHOWN, TAPE AND STAPLE PER SPECS AND DUCT WRAPPING DETAIL.
- SEAL ALL SEAMS AROUND CONNECTION WITH GLASS-FAB AND MASTIC.
- SEAL ALL DUCT JOINTS AND SEAMS AS PER WRAPPING DETAIL. PAINT SMOOTH AND FILL ALL PIN HOLES ON ALL CONNECTIONS.
- ALL DUCTS SHALL BE SUPPORTED IN AN APPROVED MANNER. REFER TO TABLE AND DETAIL.
- FLEXIBLE DUCT, THERMOFAN A-300, ALUMINUM LINER WITH VAPOR BARRIER OVER FACTORY INSULATION.
- SEE M-1 AIR DEVICE SCHEDULE AND M-2 FOR DIFFUSER TYPE.
- SEE ARCHITECTURAL PLANS FOR CEILING TYPE.

**A5 LAY-IN DIFFUSER DETAIL**  
 M-1 NOT TO SCALE

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Key Plan:  
 Jacobs Project No.: F6-W753-00-0504LS  
 Drawing Title:  
 HVAC SCHEDULES AND DETAILS  
 Date: 06/08/23  
 Designed By: N MITCHELL  
 Drawn By: N MITCHELL  
 Checked By: K CHANG  
 Drawing No.:  
**M-1**

**DEMOLITION NOTES:**

- 1 REMOVE EXISTING PROGRAMMABLE THERMOSTAT AND HUMIDISTAT. STORE ON SITE FOR REUSE.
- 2 REMOVE EXISTING AIR DEVICE AND DUCTWORK BACK TO POINT INDICATED. PREPARE DUCT FOR NEW CONNECTION.
- 3 REMOVE EXISTING EXHAUST FAN, DUCTWORK, AND WALL CAP. PREPARE WALL PENETRATION FOR LARGER WALL CAP.
- 4 REMOVE EXISTING SUPPLY DIFFUSER AND FLEX DUCT (WHERE INDICATED). CLEAN AND REFURBISH AIR DEVICE AND STORE ON SITE FOR REUSE. EXISTING DUCTWORK TO REMAIN FOR NEW CONNECTION.
- 5 REMOVE EXISTING SUPPLY DIFFUSER AND FLEX DUCT (WHERE INDICATED). EXISTING DUCTWORK TO REMAIN FOR NEW CONNECTION.
- 6 REMOVE EXISTING AIR DEVICE AND DUCTWORK BACK TO POINT INDICATED. KEEP EXISTING RISER AND PREPARE DUCT FOR NEW CONNECTION.

**MECHANICAL DEMOLITION LEGEND:**

- SQUARE DUCTWORK TO BE REMOVED
- SQUARE DUCTWORK TO REMAIN
- SUPPLY AIR DEVICE TO BE REMOVED
- SUPPLY AIR DEVICE TO REMAIN
- RETURN AIR DEVICE TO BE REMOVED
- RETURN AIR DEVICE TO REMAIN
- EXHAUST AIR DEVICE TO BE REMOVED
- EXHAUST AIR DEVICE TO REMAIN
- THERMOSTAT TO BE REMOVED
- SMOKE DETECTOR TO BE REMOVED

**SHEET NOTES:**

- 1 REINSTALL REFURBISHED AIR DEVICE. EXTEND FLEX DUCT AS NECESSARY. BALANCE TO CFM INDICATED.
- 2 RELOCATED PROGRAMMABLE THERMOSTAT AND HUMIDISTAT.
- 3 NEW RETURN AIR DROP TO REFRIGERATED CASES. INCLUDE DAMPER AT RISER TAKEOFF FOR BALANCING TO INDICATED CFM. SEE DETAIL A2, SHEET M-1 AND ARCHITECTURAL DETAILS.
- 4 PROVIDE AND INSTALL NEW WALL CAP. GREENHECK WC-8 OR EQUAL.
- 5 NEW RETURN/EXHAUST AIR REGISTER. SEE DETAIL A4, SHEET M-1.
- 6 NEW EXHAUST FAN MOUNTED PER MANUFACTURER'S RECOMMENDATIONS. SEE SCHEDULE ON SHEET M-1 FOR FAN SPECIFICATIONS.
- 7 PROVIDE 1" UNDERCUT IN DOOR.
- 8 NEW INDIVIDUAL UNIT MOUNTED ON NEW EQUIPMENT PLATFORM CURB PROVIDED BY AES INDUSTRIES, (334) 283-6578. REFER TO REFRIGERATION SCHEDULE SHEET, R-1, FOR CONDENSING UNIT MODEL NUMBER, AND COORDINATE WITH AES INDUSTRIES TO PROVIDE CORRESPONDING CURB. FIELD VERIFY LOCATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL OF PLATFORM CURB PRIOR TO START OF ANY ROOF WORK.
- 9 EXISTING AC UNIT ON ROOF. SEE SCHEDULE SHEET M-1 FOR UNIT RECONFIGURATION AND AIR BALANCE TABLE.
- 10 PROVIDE SQUARE TO ROUND ADAPTER FOR AIR DEVICE. SEE DETAIL B2, SHEET M-1.
- 11 PROVIDE NEW FLEX DUCT AND SUPPLY DIFFUSER. SEE DETAILS A3 AND A5, SHEET M-1.
- 12 NEW DUCT SHALL MATCH EXISTING DUCT CONSTRUCTION. SEE GENERAL NOTE C.

**MECHANICAL LEGEND:**

- NEW DUCTWORK
- NEW SUPPLY AIR DEVICE OR DUCT
- NEW SUPPLY AIR DUCT PENETRATION
- NEW RETURN AIR DEVICE OR DUCT
- NEW RETURN AIR DUCT PENETRATION
- NEW EXHAUST AIR DEVICE OR DUCT
- NEW TEMPERATURE SENSOR
- NEW HUMIDITY SENSOR
- MANUAL VOLUME DAMPER
- NEW REMOTE TEST STATION
- NEW SMOKE DETECTOR

**GENERAL NOTES:**

- A. CONTRACTOR SHALL REFERENCE AIR BALANCE TABLE IN ORDER TO CORRECTLY BALANCE ALL FANS AND AC UNITS.
- B. CONTRACTOR TO CLEAN ALL DUCTWORK, AIR DEVICES, AND SENSORS AS NEEDED.
- C. UNLESS OTHERWISE INDICATED ON PLAN, NEW DUCTWORK IS TO BE EXTERNALLY INSULATED.
- D. ALL NEW ROOFTOP EQUIPMENT SHALL BE A MINIMUM OF 10'-0" FROM ROOF EDGE.
- E. ALL NEW ROOFTOP EQUIPMENT SHALL MAINTAIN A MINIMUM OF 10'-0" BETWEEN NEW AND/OR EXISTING INTAKES AND EXHAUST POINTS, INCLUDING VENTS AND FLUES.
- F. ALL NEW DUCT INSULATION SHALL BE A MINIMUM OF R-6 FOR SUPPLY AND R-4.2 FOR RETURN IN ACCORDANCE WITH FLORIDA BUILDING CODE - ENERGY CONSERVATION.
- G. CONTRACTOR SHALL INSTALL CASE TOP CLOSURE METAL PANEL FOR ALL NEW/RELOCATED REFRIGERATED CASES. SEE DETAIL A2, SHEET M-1.

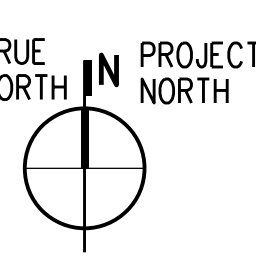
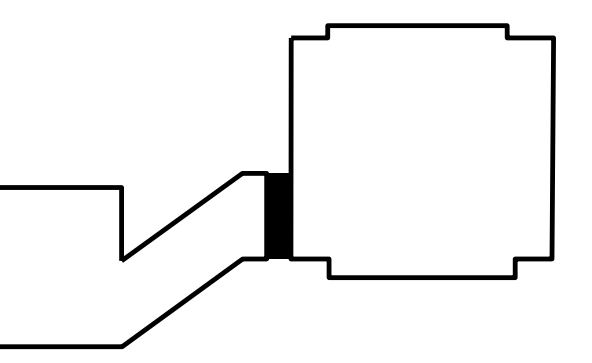
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Key Plan:



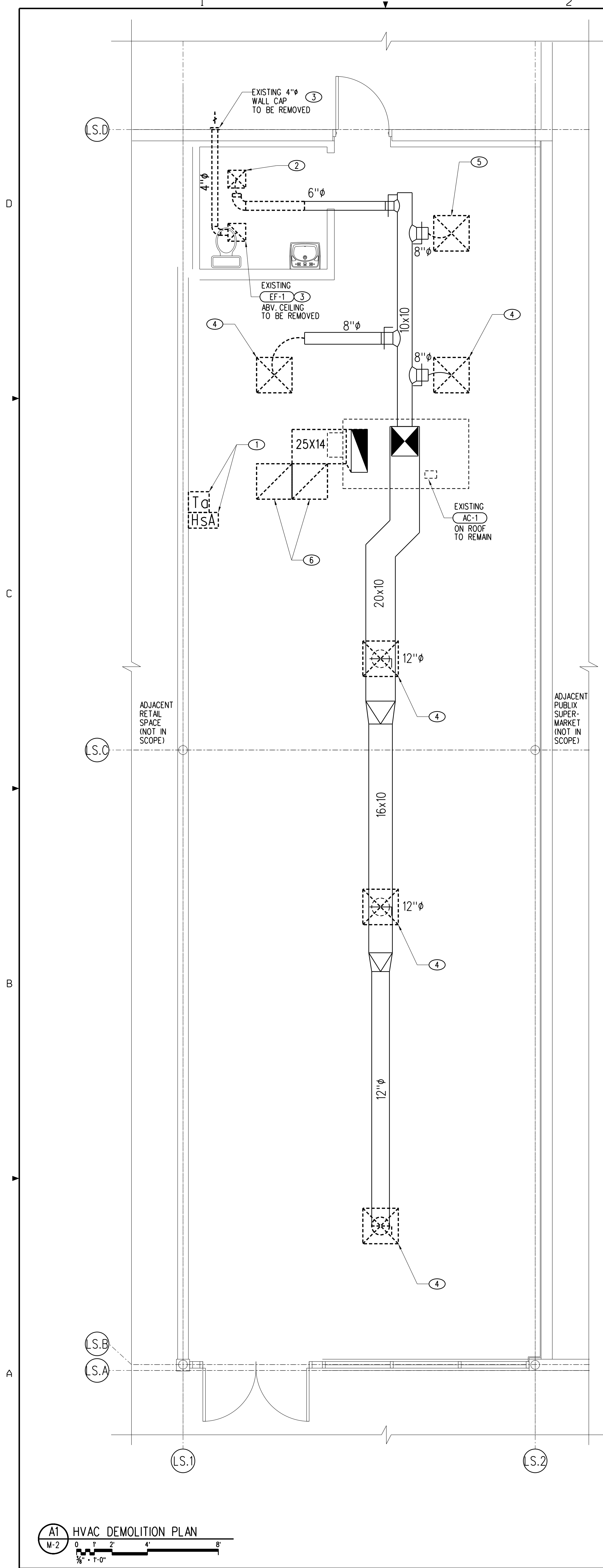
Jacobs Project No.: F6-W753-00-0504LS

Drawing Title:

**HVAC  
 DEMOLITION  
 AND PLAN**

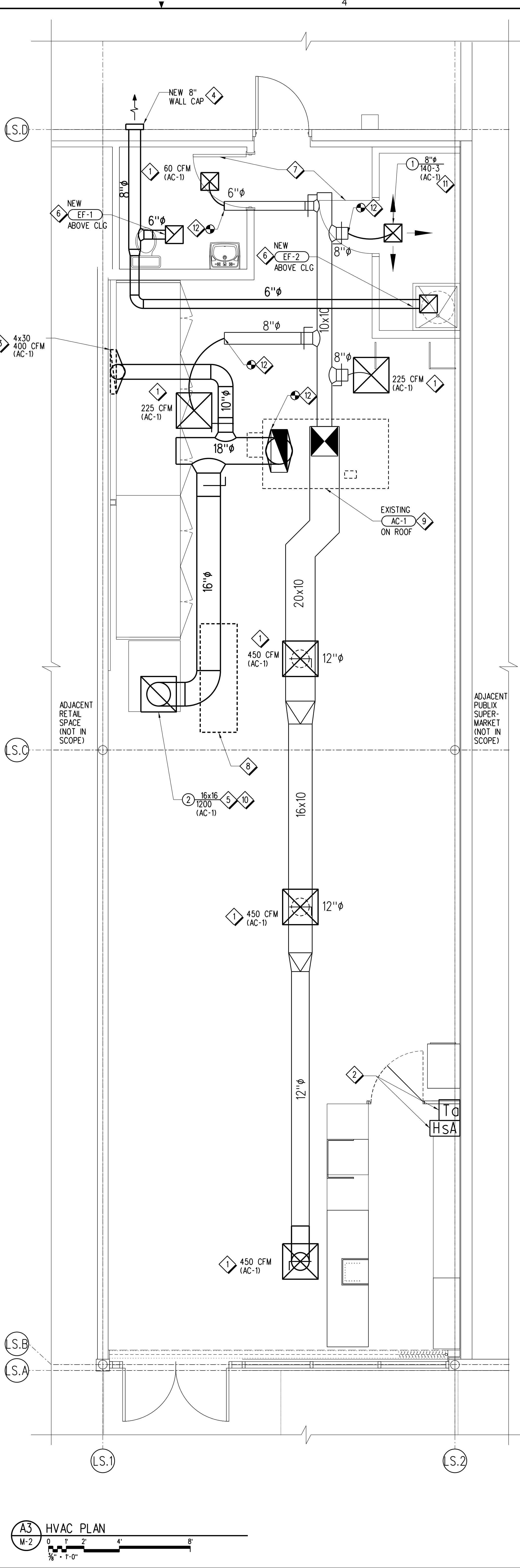
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 Checked By: K CHANG

M-2



**M-2 HVAC DEMOLITION PLAN**

0 1 2 4 8'  
 1/8" = 1'-0"



**M-3 HVAC PLAN**

0 1 2 4 8'  
 1/8" = 1'-0"



DEMOLITION NOTES:

- ① FIELD VERIFY LOCATION OF EXISTING DRAIN PIPING. CUT PIPE, CAP, AND SEAL BELOW FLOOR. ABANDON LINE IN PLACE. SEE ARCHITECTURAL DRAWINGS FOR FLOOR PATCHING DETAILS.
- ② REMOVE PLUMBING FIXTURE AND ALL EXPOSED PLUMBING.
- ③ REMOVE EXISTING MIXING VALVE AND ASSOCIATED PIPING AND CAP AT MAIN.
- ④ REMOVE PIPING DOWNSTREAM OF CAP AS SHOWN.
- ⑤ REMOVE VENT LINE TO ABOVE CEILING AND CAP AT BRANCH TAKEOFF. CAP VENT BELOW SLAB. FIELD VERIFY LOCATION OF EXISTING DRAIN PIPING SHOWN. SEE ARCHITECTURAL DRAWINGS FOR FLOOR PATCHING DETAIL.
- ⑥ DISCONNECT EXISTING ELECTRIC WATER HEATER AND REMOVE ALL ASSOCIATED PLUMBING BACK TO MAIN. STORE ON SITE FOR REUSE.
- ⑦ REMOVE EXISTING DRAIN/CLEANOUT IN HATCHED AREA REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR PATCHING DETAILS.
- ⑧ REMOVE PLUMBING FIXTURE AND ALL EXPOSED PLUMBING. STORE FIXTURE ON SITE FOR REUSE.

GENERAL NOTES:

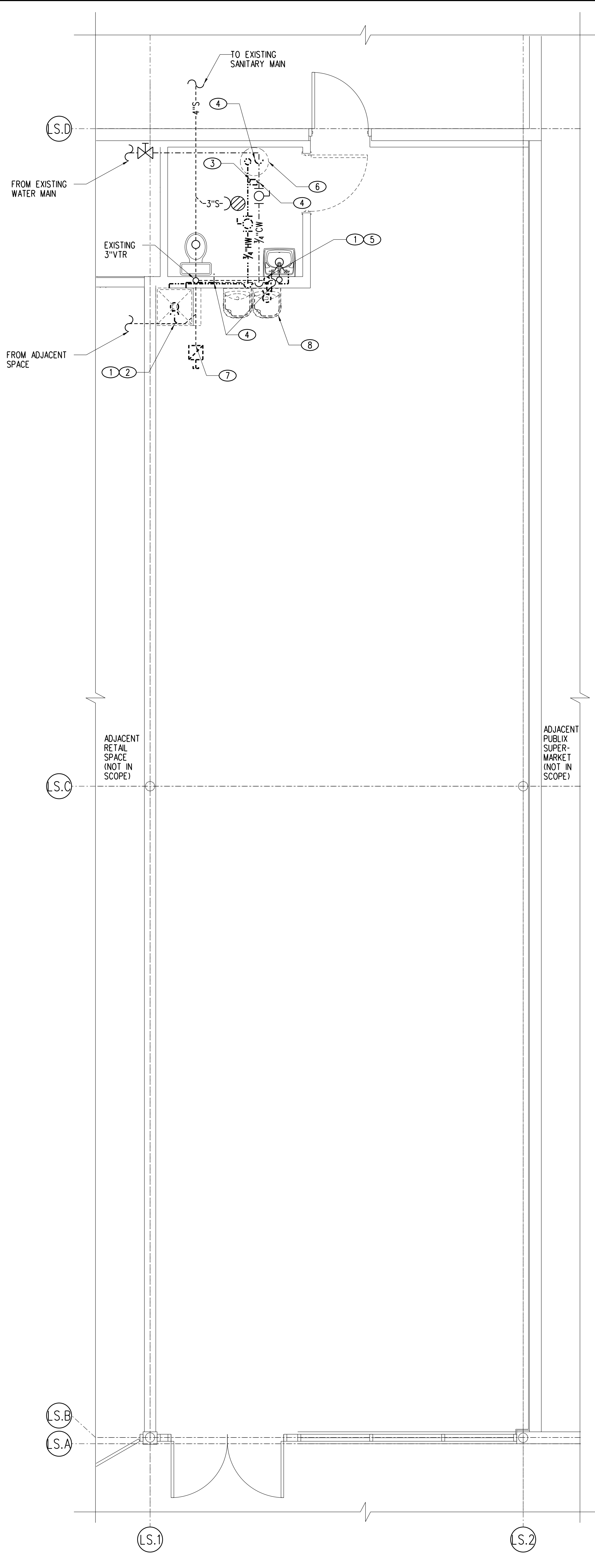
- A. FIELD VERIFY LOCATION OF ALL EXISTING GAS, WATER AND WASTE PIPING.
- B. REMOVE ANY UNUSED HUB DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR PATCHING DETAILS.
- C. REMOVAL OF DRAIN PIPING SHALL FORM NO DEAD END.
- D. ALL EXPOSED PLUMBING SHALL BE DEMO'D BACK TO WALL CONNECTION AND CAPPED INSIDE WALL UNLESS POINT OF CONNECTION TO BE REUSED. CONNECTIONS TO BE REUSED SHALL BE RELOCATED IN WALL AS NECESSARY FOR NEW CONNECTION.

SHEET NOTES:

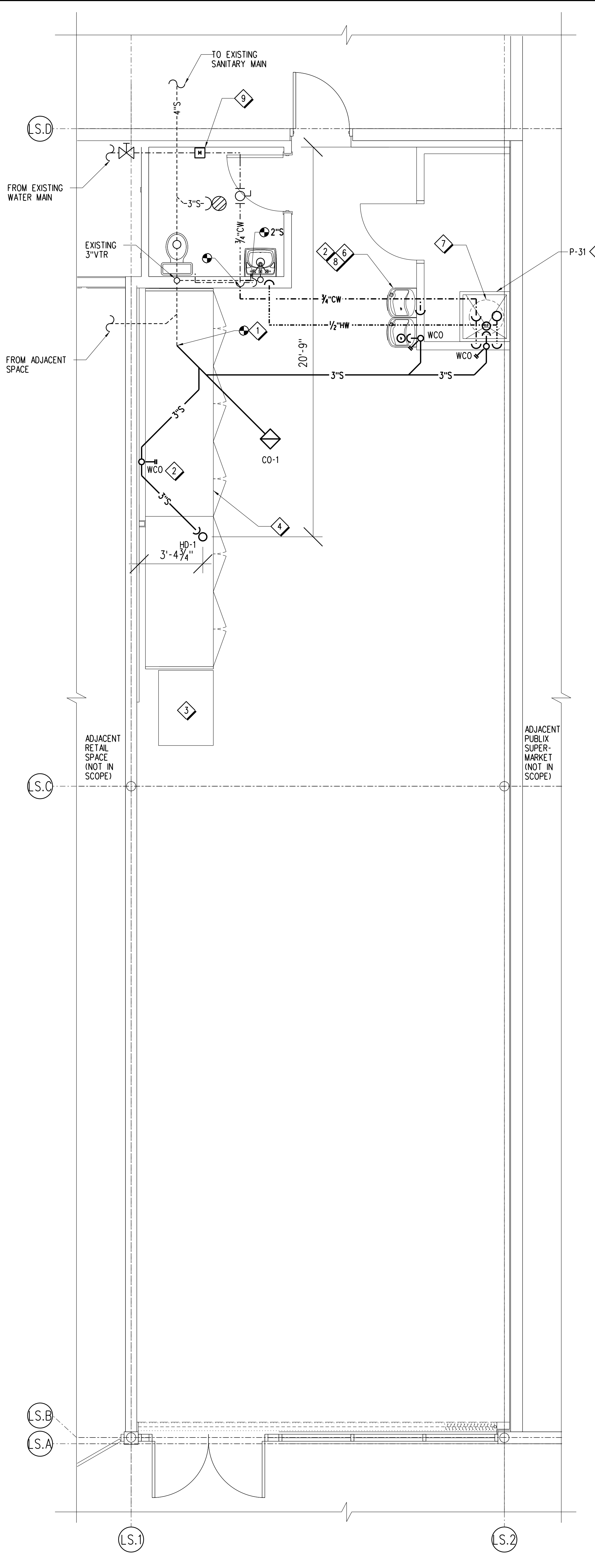
- ① CONNECT TO EXISTING SANITARY LINE. FIELD VERIFY EXACT LOCATION OF SANITARY MAIN PRIOR TO START OF ANY DEMOLITION WORK.
- ② ROUTE NEW 2" VENT FROM FIXTURE AND CONNECT TO NEAREST NEW VTR.
- ③ SELF-CONTAINED ICE MACHINE, NO PLUMBING REQUIRED.
- ④ ROUTE NEW CONDENSATE DRAIN TO NEAREST EXISTING OR NEW HUB DRAIN. SEE DETAILS C3-C5, SHEET P-1.
- ⑤ INSTALL NEW PLUMBING FIXTURE AND CONNECT TO NEW PLUMBING AS NECESSARY.
- ⑥ SEE ACCESSIBILITY DETAILS IN ARCHITECTURAL DRAWINGS FOR PROPER FIXTURE INSTALLATION.
- ⑦ INSTALL RELOCATED 10 GALLON ELECTRIC WATER HEATER. MOUNT WATER HEATER ON DRAIN PAN ABOVE MOP SINK. CONNECT TO NEW PLUMBING. ROUTE PRESSURE AND TEMPERATURE RELIEF LINE ALONG WALL AND TERMINATE 3" ABOVE MOP SINK. SEE DETAIL A1, SHEET P-1.
- ⑧ INSTALL RELOCATED PLUMBING FIXTURE AND CONNECT TO NEW PLUMBING AS NECESSARY.
- ⑨ COORDINATE WITH PUBLIC PRIOR TO PROVIDING REMOTE WATER METER IF NONE PRESENT.

GENERAL NOTES:

- A. REFERENCE SHEET P-1 FOR APPLICABLE DETAILS.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF ANY VARIANCES FROM EXISTING CONDITIONS SHOWN.
- C. REFER TO ELECTRICAL, MECHANICAL, STRUCTURAL AND REFRIGERATION DOCUMENTS FOR ADDITIONAL DEMOLITION ASSOCIATED WITH THOSE DISCIPLINES.



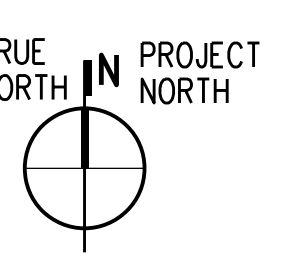
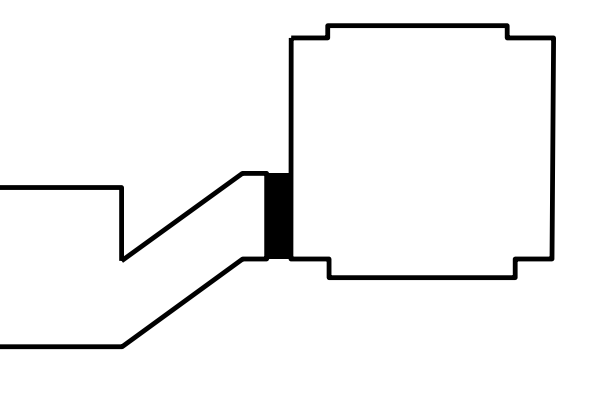
**A1** PLUMBING DEMOLITION PLAN  
 P-2  
 0 1 2 4 8  
 1/8" = 1'-0"



**A3** PLUMBING PLAN  
 P-2  
 0 1 2 4 8  
 1/8" = 1'-0"

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PLUMBING  
 DEMOLITION  
 AND PLAN

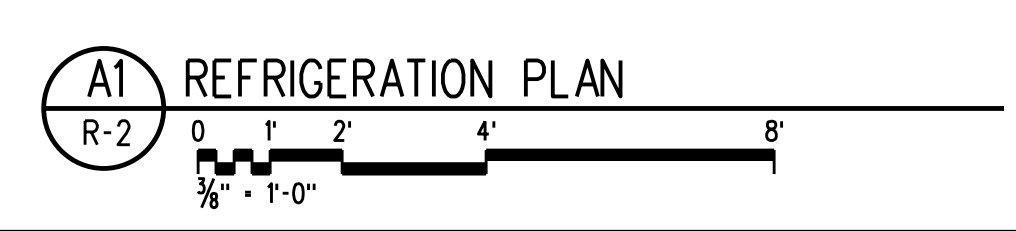
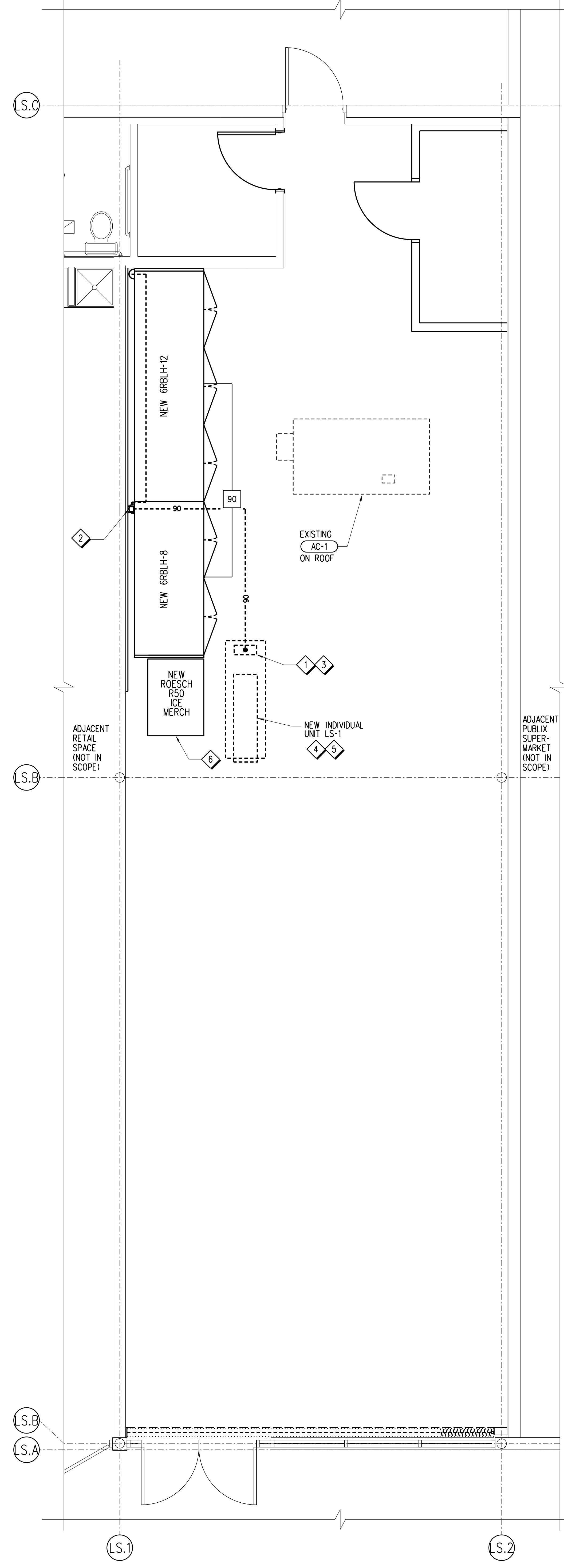
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**P-2**





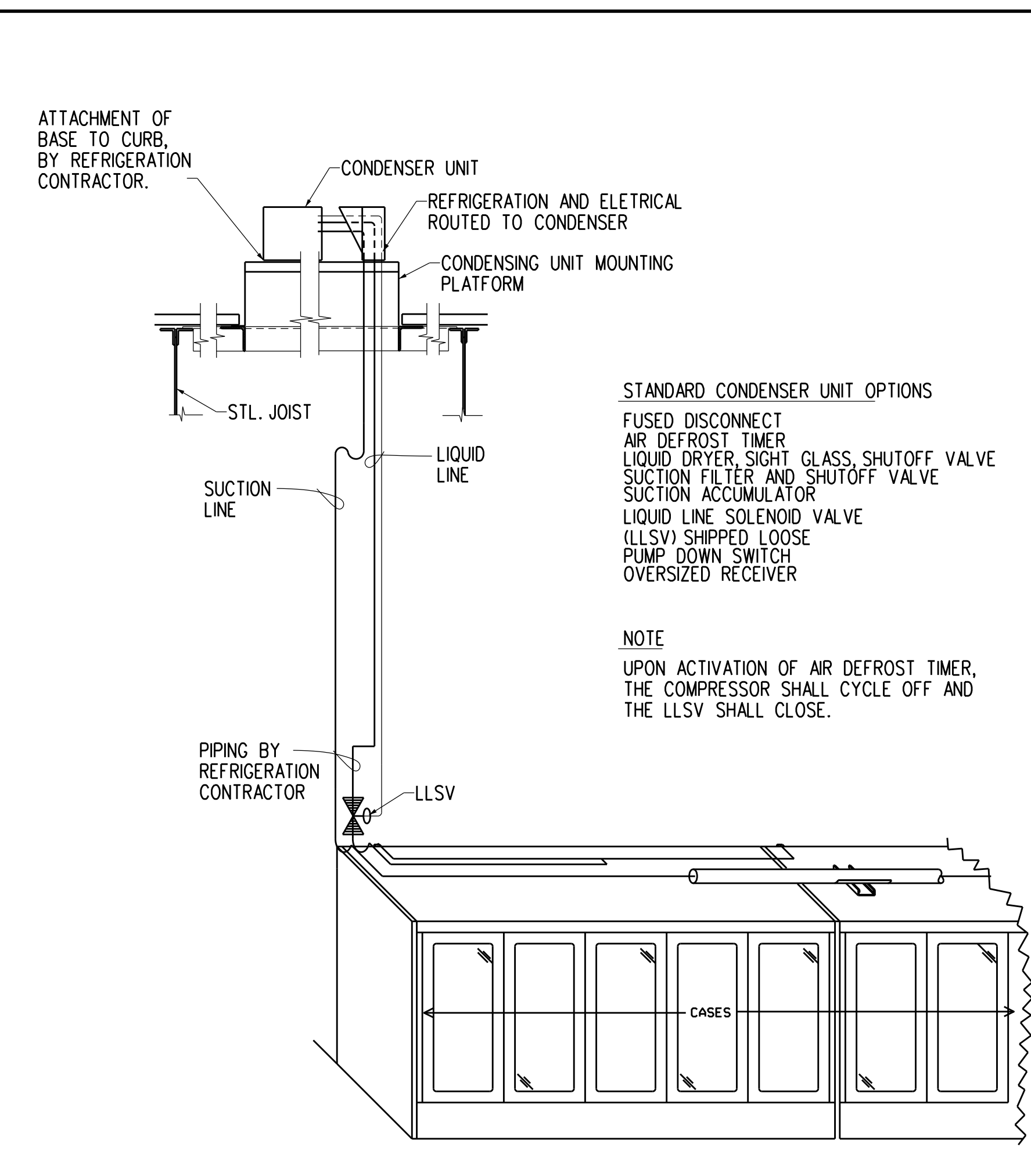
SHEET NOTES:

- CONNECT NEW REFRIGERATION LINES TO UNIT MANFOLD, SEE SHEET R-1 FOR LINE SIZES.
- REFRIGERATION PIPING SHALL BE ROUTED DOWN THROUGH PIPING CHASE, SEE ARCHITECTURAL SHEETS FOR PIPE DROP LOCATION, SEE THIS SHEET FOR CHASE DETAILS.
- ROUTE NEW REFRIGERATION PIPING THROUGH NEW PIPE CURB INCLUDED WITH NEW EQUIPMENT PLATFORM, SEE STRUCTURAL DRAWINGS FOR LOCATION.
- NEW INDIVIDUAL UNIT MOUNTED ON NEW EQUIPMENT PLATFORM CURB PROVIDED BY AES INDUSTRIES, (334) 283-6578. REFER TO SCHEDULE SHEET, R-1, FOR CONDENSING UNIT MODEL NUMBER, AND COORDINATE WITH AES INDUSTRIES TO PROVIDE CORRESPONDING CURB. FIELD VERIFY LOCATION, CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL OF PLATFORM CURB PRIOR TO START OF ANY ROOF WORK. SEE DETAIL B3, SHEET R-1 FOR REFERENCE.
- INSTALL NEW EQUIPMENT A MINIMUM OF 10' FROM ROOF EDGE.
- SELF CONTAINED UNIT, REFRIGERATION NOT REQUIRED.

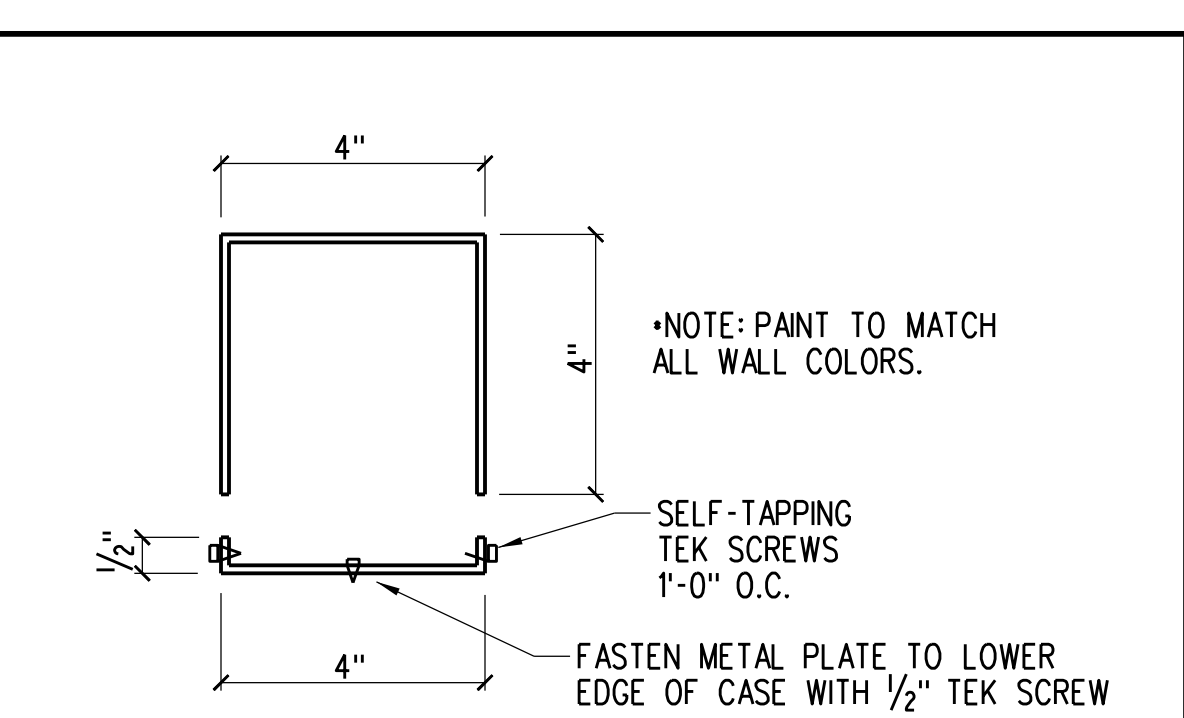


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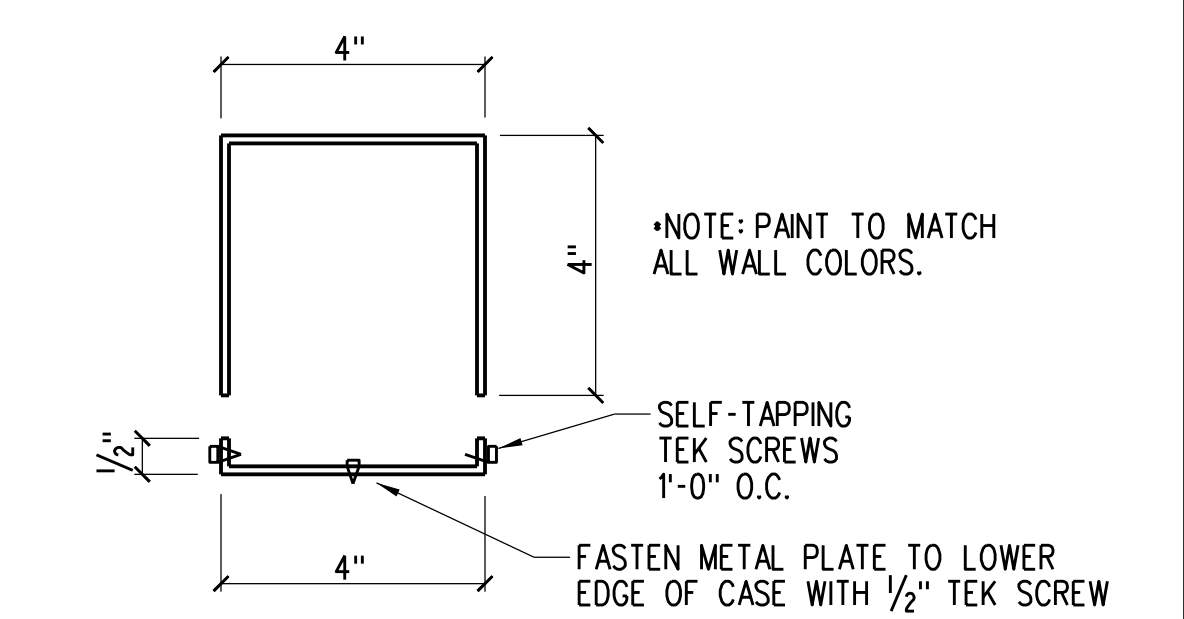
E3 TYPICAL BEVERAGE CASE DETAIL  
R-2 NOT TO SCALE



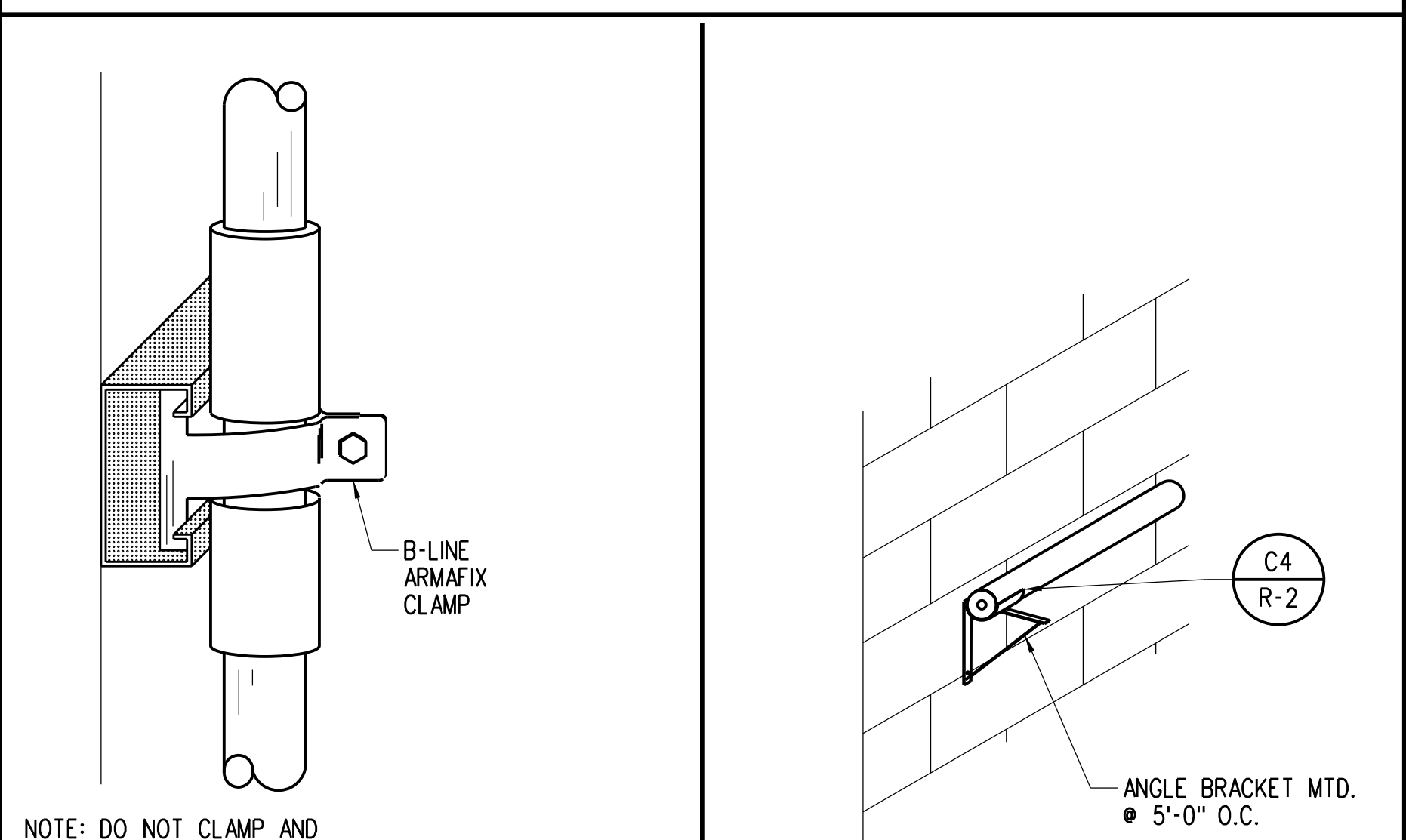
C3 INDIVIDUAL UNIT PIPING DETAIL  
R-2 NOT TO SCALE



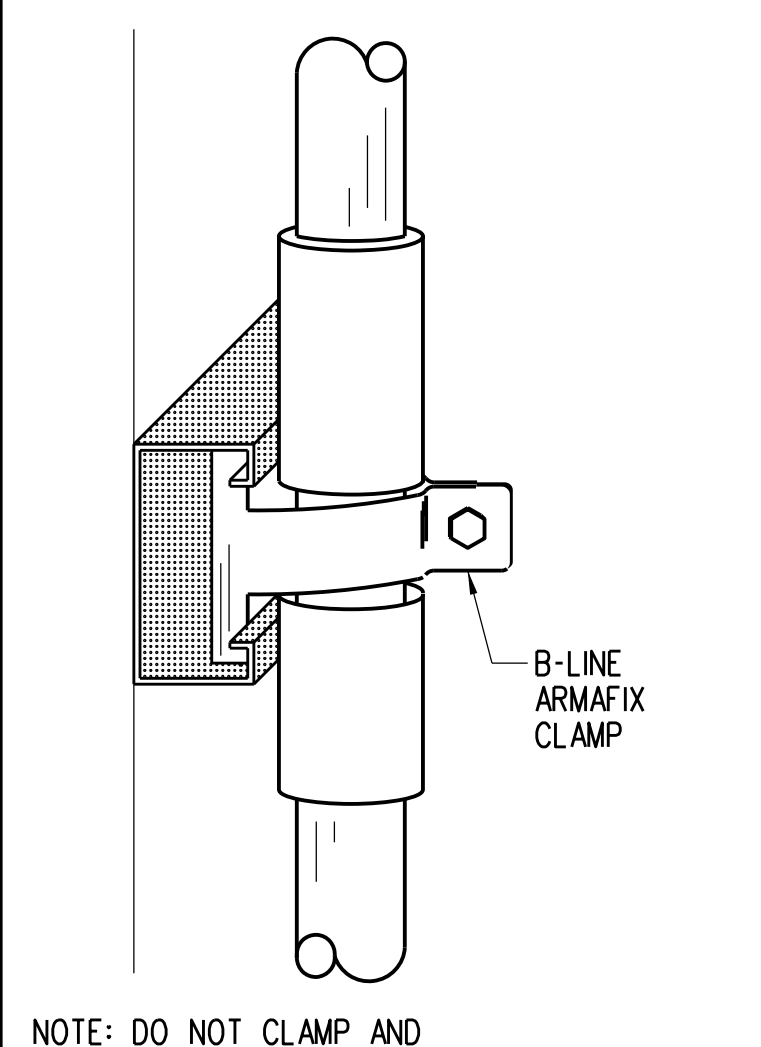
B3 PAINTED METAL BOX COVER  
R-2 NOT TO SCALE (BY GENERAL CONTRACTOR)



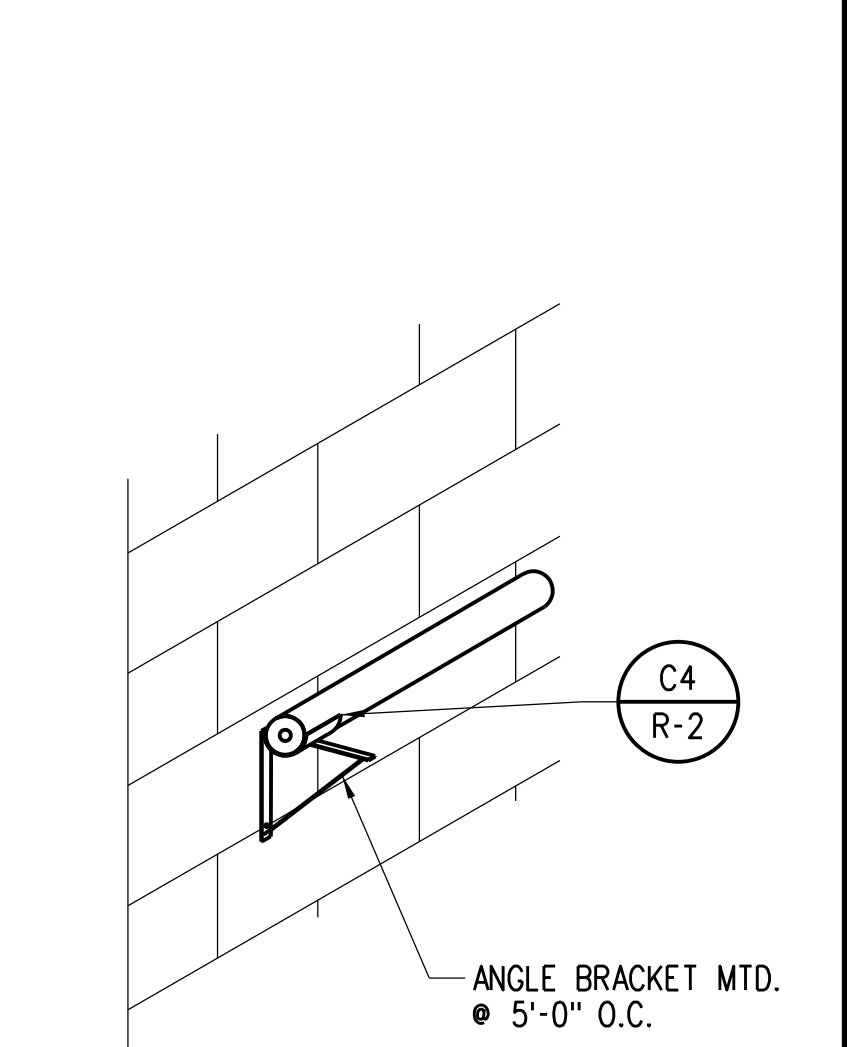
E4 PIPE HANGER/PAN DETAIL  
R-2 NOT TO SCALE



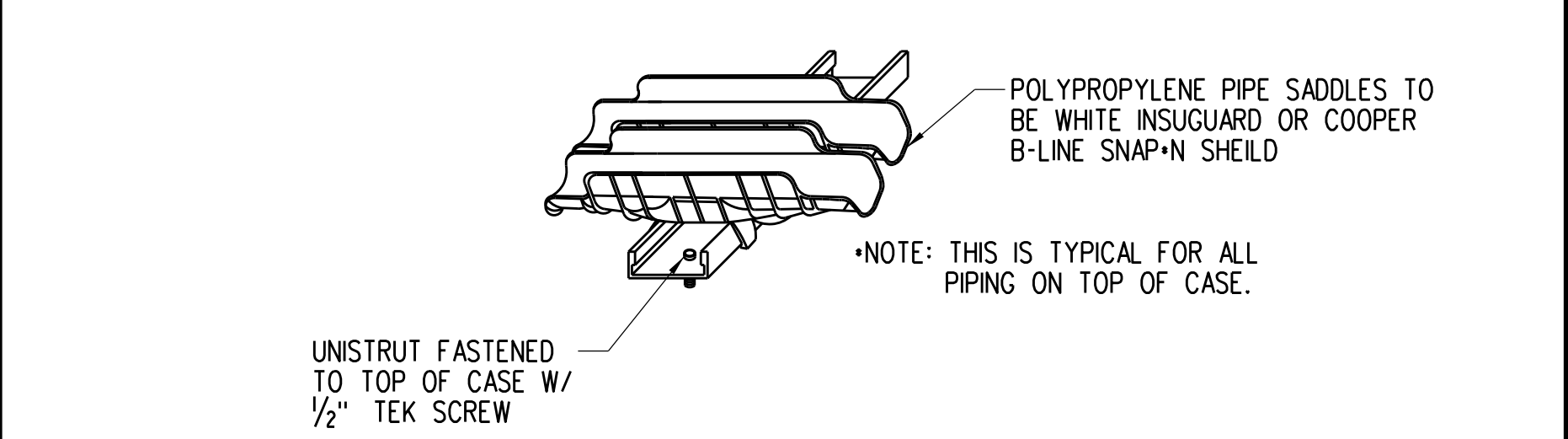
D4 TYPICAL VERTICAL WALL CLAMP DETAIL  
R-2 NOT TO SCALE



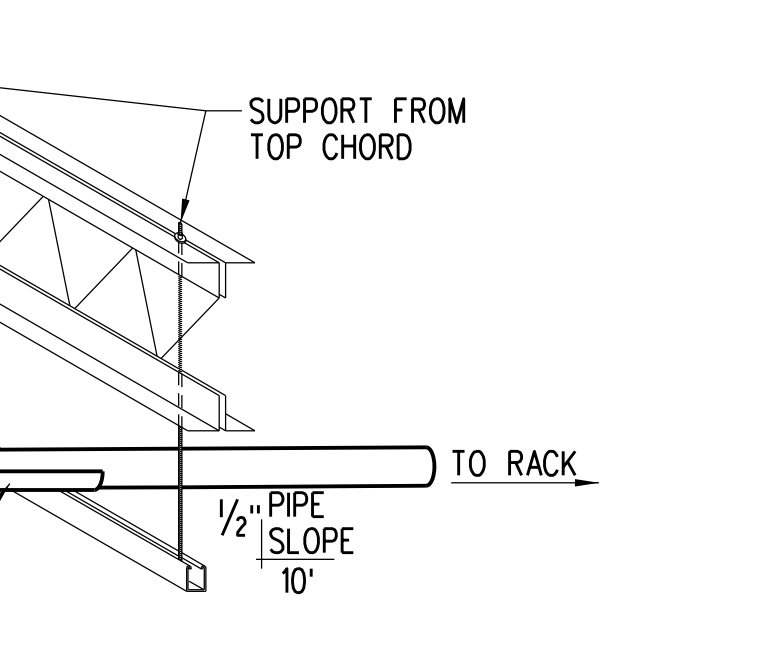
D5 WALL MOUNTED PIPE SUPPORT  
R-2 NOT TO SCALE



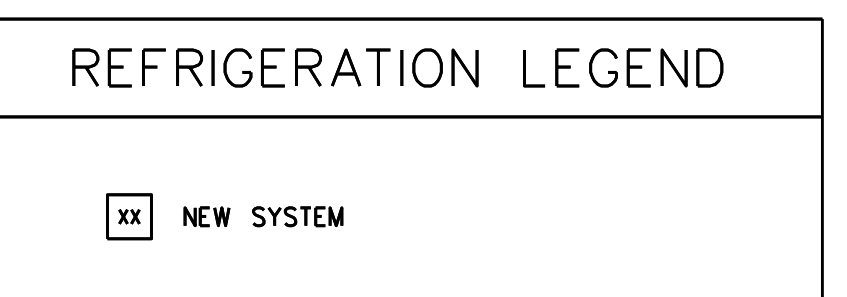
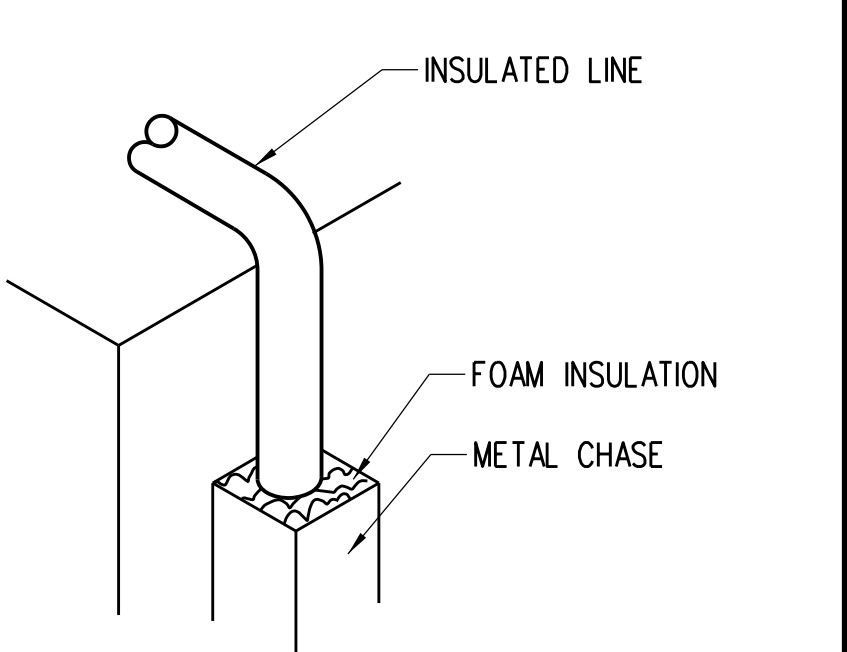
C4 TYPICAL PIPE SUPPORT  
R-2 NOT TO SCALE



B4 TYPICAL REFRIGERATION PIPE SLOPE DETAIL  
R-2 NOT TO SCALE



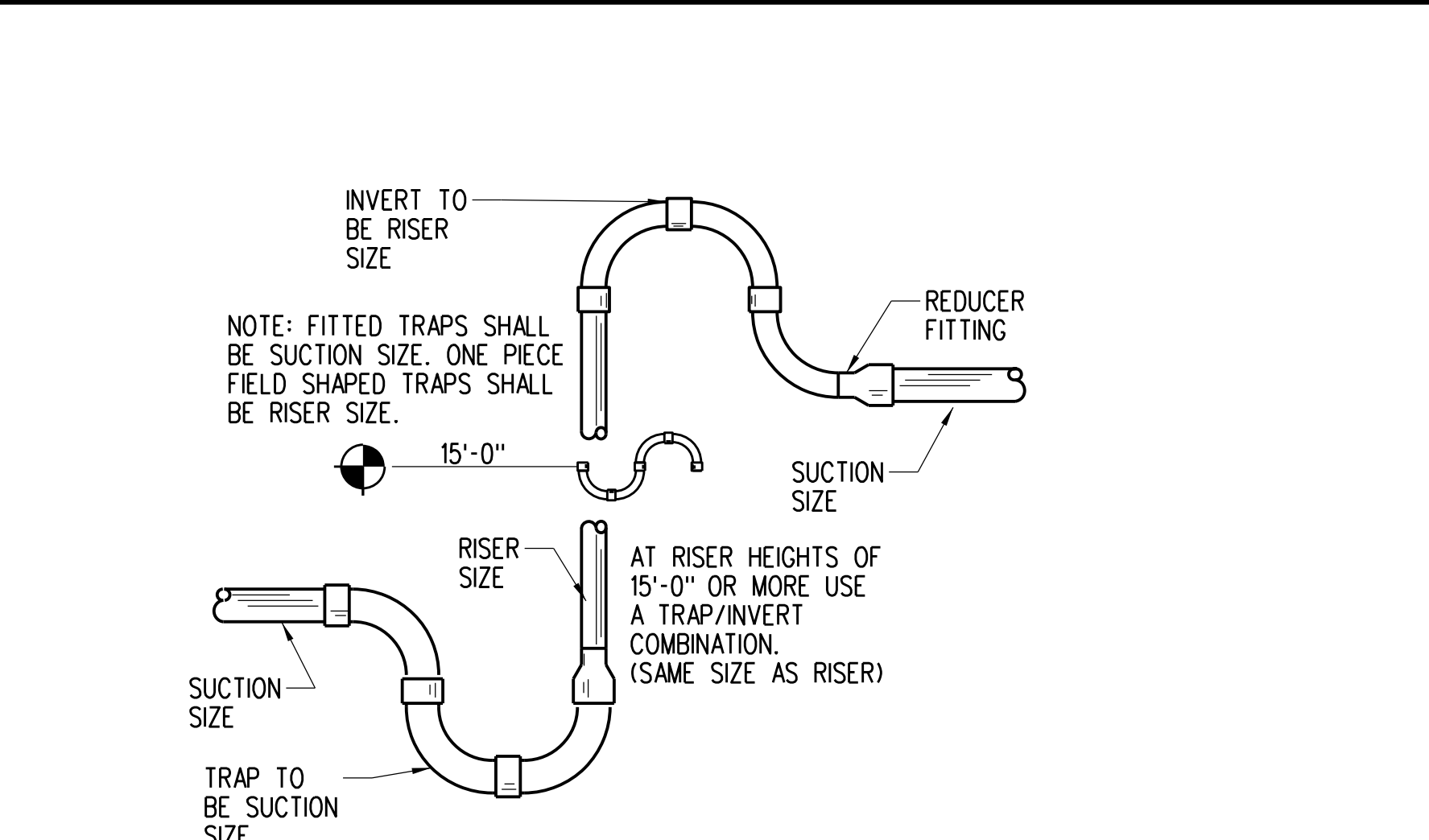
B5 FOAM INSULATION AT BACK OF CASE  
R-2 NOT TO SCALE



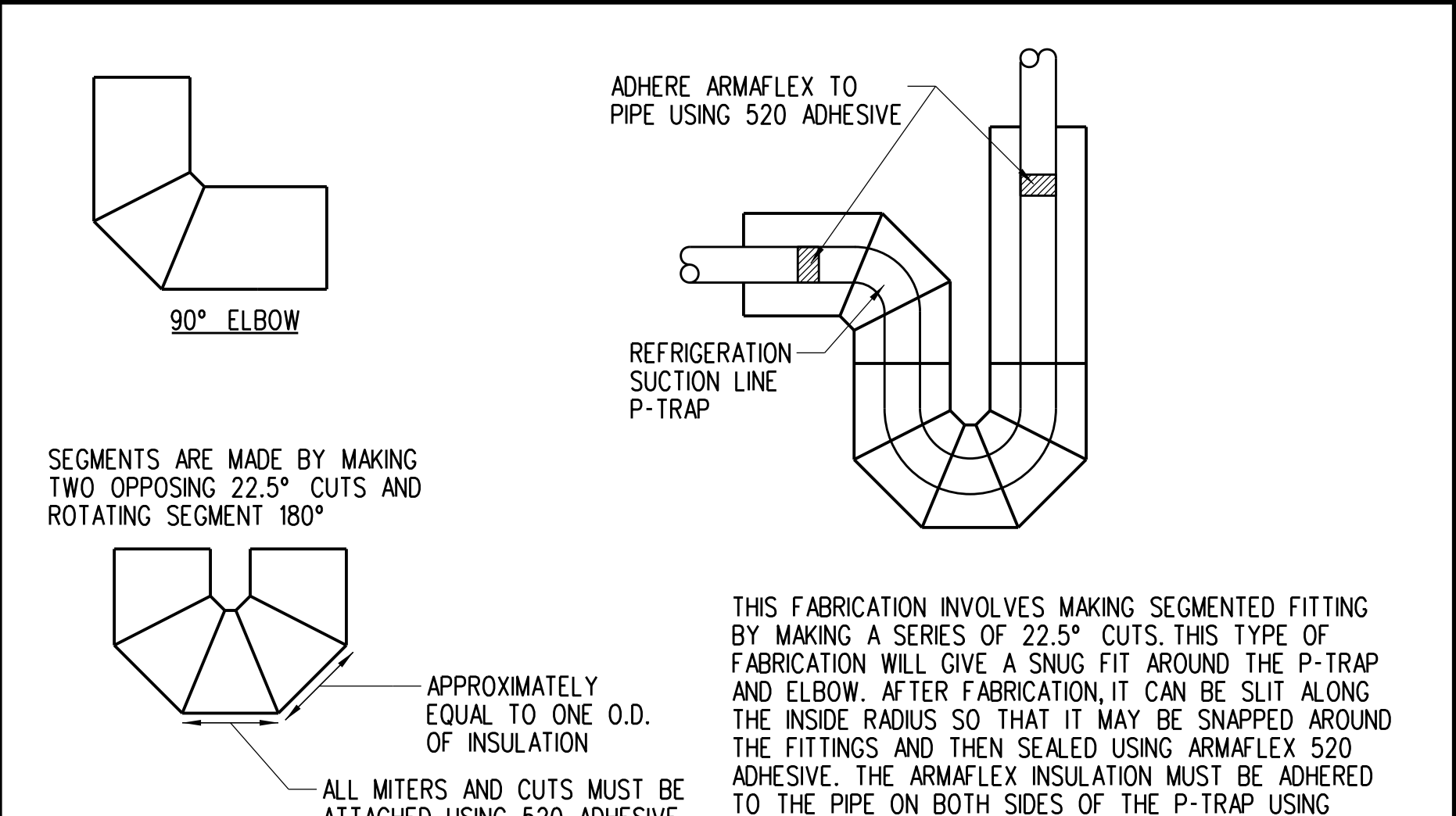
GENERAL NOTES:

- FOR ALL OVERHEAD REFRIGERATION PIPING ABOVE SALES AREA, THE REFRIGERATION INSTALLATION CONTRACTOR SHALL PROVIDE AND INSTALL A DRAIN PAN AS PER TYPICAL DETAILS SHEET R-2.
- REFRIGERATION, PLUMBING, AND HVAC CONTRACTORS SHALL COORDINATE REFRIGERANT DROPS, RETURN AIR CHASES, AND VENT PIPES TO RUN BUNDLED TOGETHER.
- REFRIGERATION CONTRACTOR SHALL SET AND START ALL SELF-CONTAINED EQUIPMENT, INCLUDING ICE MACHINES.
- UNLESS STATED OTHERWISE, ON ARCHITECTURAL PLANS METAL CHASES SHALL EXTEND ABOVE SUSPENDED CEILING HEIGHT OR ENTIRE LENGTH OF VERTICAL RISE IN SALES AREAS THAT HAVE NO CEILING.
- ALL REFRIGERATION CURB CAPPING AND ROOF PATCHING SHALL BE PERFORMED BY ROOFING CONTRACTOR.

A3 TYPICAL TRAP AND INVERT  
R-2 NOT TO SCALE



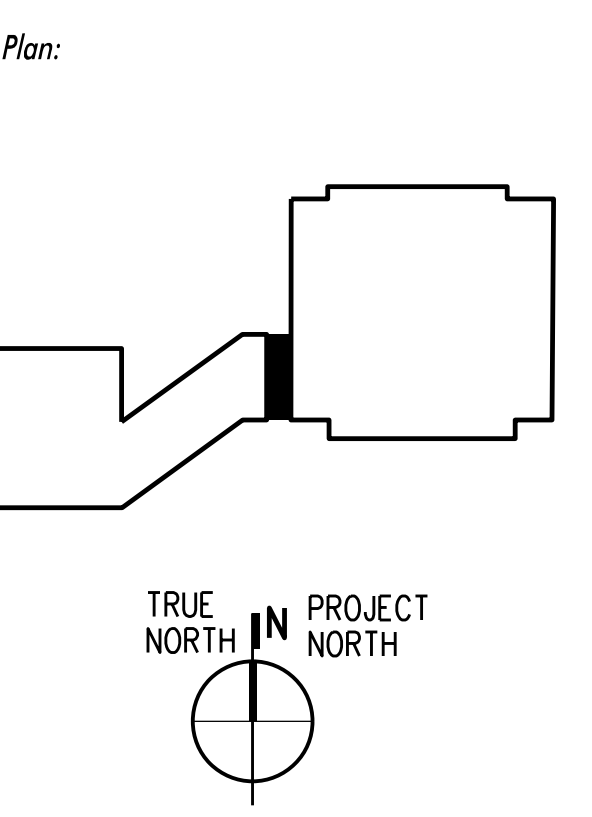
A4 SUCTION LINE P-TRAP & 90° MITER DETAIL  
R-2 NOT TO SCALE



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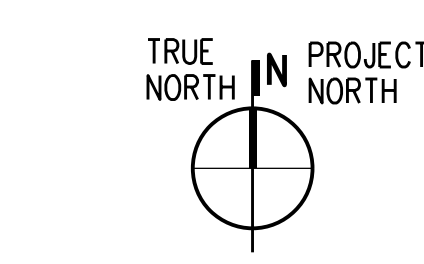
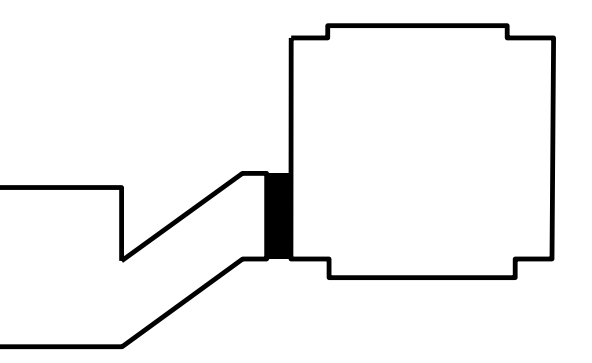


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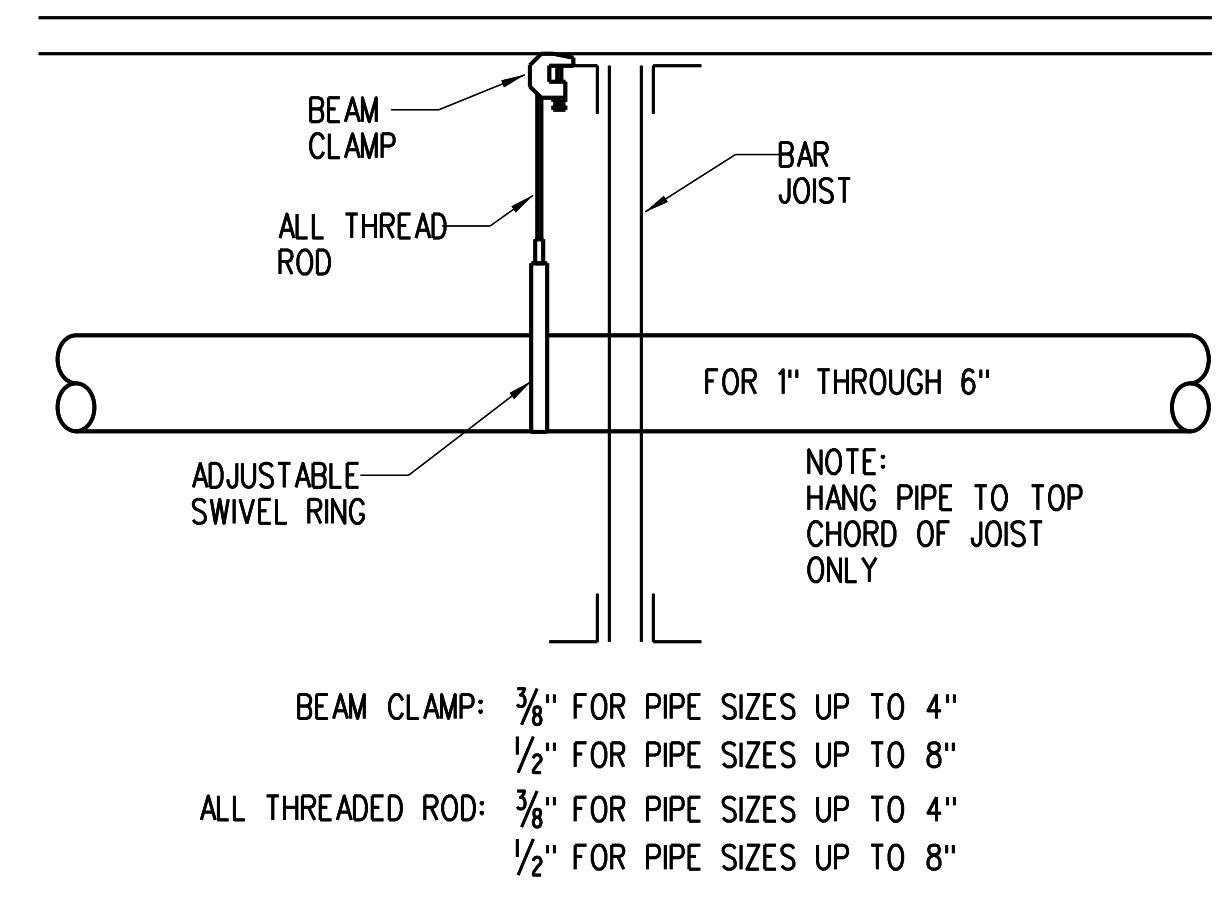
REFRIGERATION PLAN AND DETAILS

Date: 06/08/23  
Designed By: C CALDIE  
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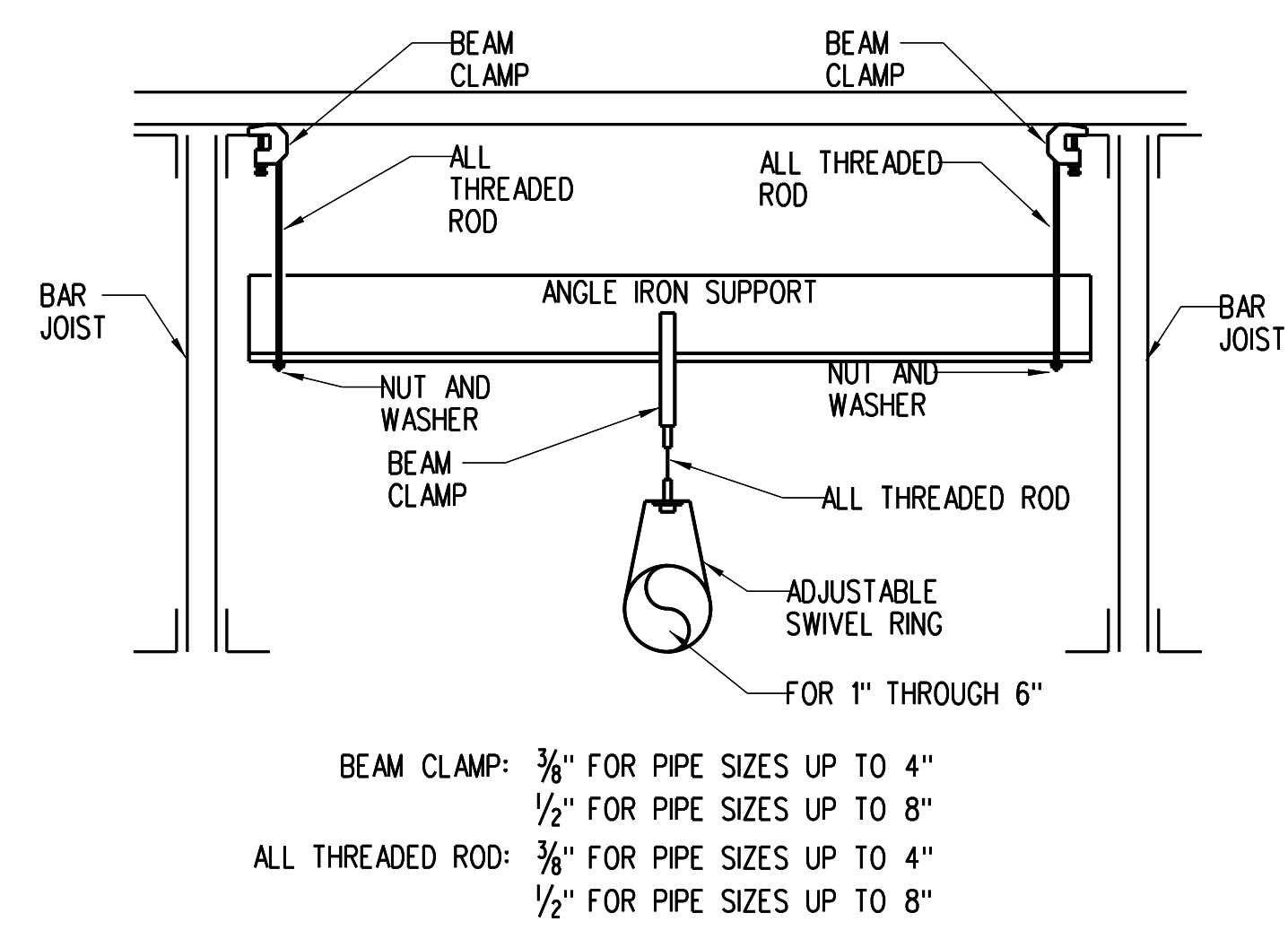


FIRE SPRINKLER GENERAL NOTES

- DESIGN SHALL BE BASED ON NFPA 13 ORDINARY HAZARD GROUP 2 AND FACTORY MUTUAL.
- ALL MATERIALS, FABRICATION AND INSTALLATION TO BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13 AND ANY OTHER APPLICABLE CODES.
- FIRE SPRINKLER CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE ANY BIDDING, FABRICATION AND INSTALLATION HAS BEGUN.
- FIRE SPRINKLER CONTRACTOR SHALL ALSO COORDINATE WORK WITH OTHER TRADES THAT MAY COME INTO CONFLICT BEFORE ANY INSTALLATION.
- SPRINKLER HEADS SHALL BE AS FOLLOWS: PENDENT SPRINKLERS SHALL BE WHITE 1/2" ORIFICE WITH 1/2" THREADED OUTLET, 155°F AND 5.6 K-FACTOR WITH RECESSED ESCUTCHEONS EQUAL TO THE RELIABLE MODEL "F1" SPRINKLER. THE FOLLOWING MANUFACTURERS SHALL BE USED:  
A. THE VIKING CORPORATION FOR ALL DRY PENDENT SPRINKLERS  
B. GRINNELL SPRINKLER CORPORATION  
C. THE RELIABLE SPRINKLER CORPORATION, INC.  
D. TYCO
- ALL PIPING 2 1/2" OR LARGER TO BE SCHEDULE 40 BLACK PIPE. ALL PIPING 2" OR SMALLER TO BE SCHEDULE 40 BLACK THREADABLE PIPE.
- ALL FITTINGS FOR SCHEDULE 40 PIPE TO BE WELDED, FLANGED AND/OR GROOVED. ALL FITTINGS FOR SCHEDULE 40 PIPE TO BE THREADED AND/OR GROOVED.
- ALL NEW FIRE SPRINKLER COMPONENTS SHALL BE U.L. & F.M. APPROVED.
- ALL EXISTING SPRINKLER BRANCH LINES AND CROSS MAINS TO REMAIN U.N.O.
- ADJUST SPRINKLER DROPS WHERE APPLICABLE DUE TO NEW CEILING HEIGHT.
- FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY SPRINKLER HEADS AND DROPS NECESSARY FOR DEMOLITION OF ANY KIND.

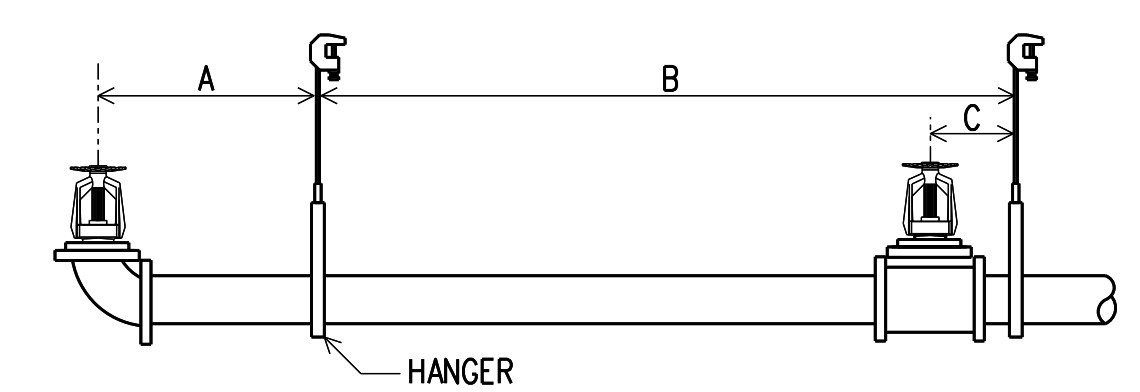


D3 PIPE HANGER DETAIL  
F-1 NOT TO SCALE

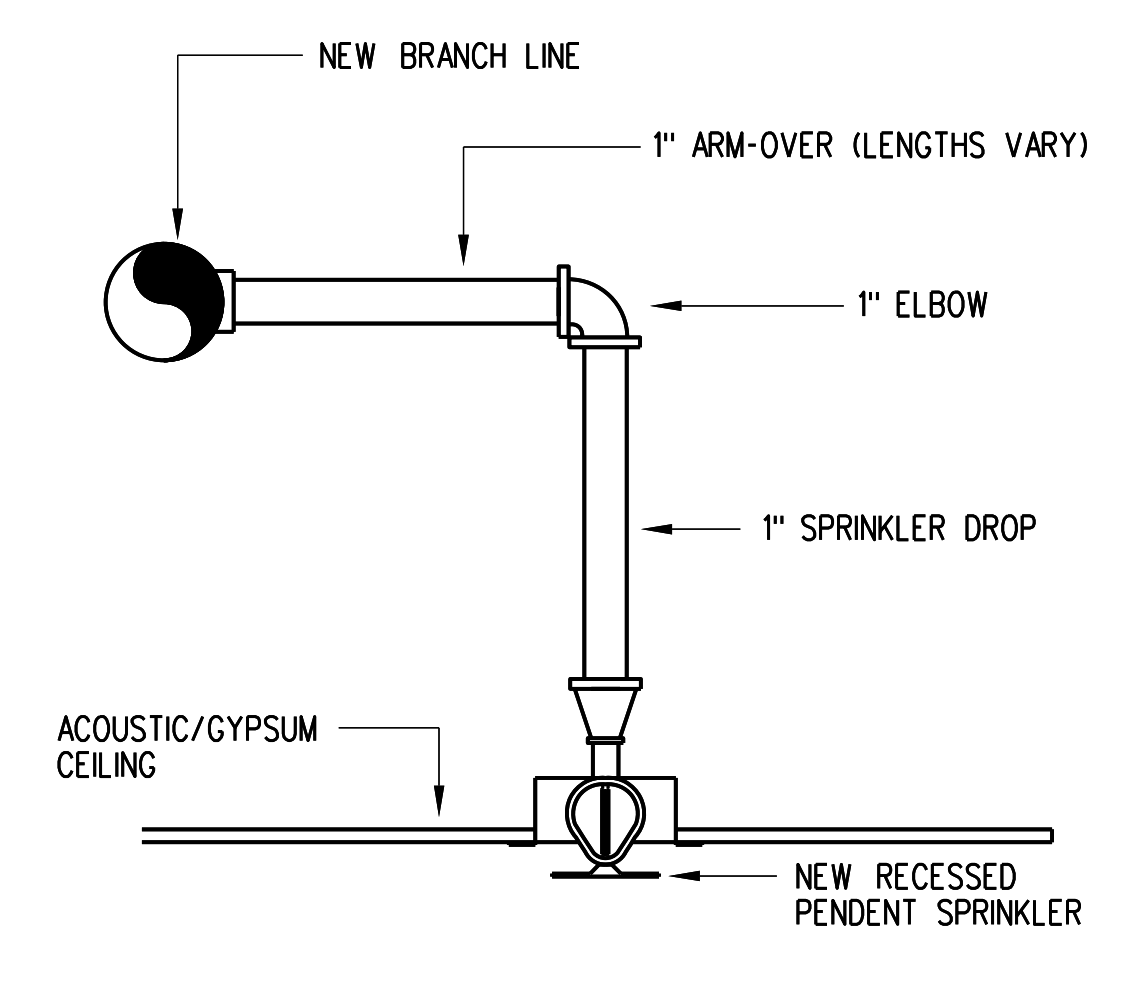


C3 TRAPEZE HANGER DETAIL  
F-1 NOT TO SCALE

PIPE SIZE	A	B	C
1"	3'-0" MAX	12'-0" MAX	3" MIN
1 1/4"	4'-0" MAX	12'-0" MAX	3" MIN
1 1/2" - 8"	5'-0" MAX	12'-0" MAX	3" MIN



B3 PIPE HANGER SCHEDULE  
F-1 NOT TO SCALE



A3 PENDENT FIRE SPRINKLER DETAIL  
F-1 NOT TO SCALE

C4 NOT USED  
F-1 NOT TO SCALE

B4 NOT USED  
F-1 NOT TO SCALE

A4 NOT USED  
F-1 NOT TO SCALE

SHEET NOTES:

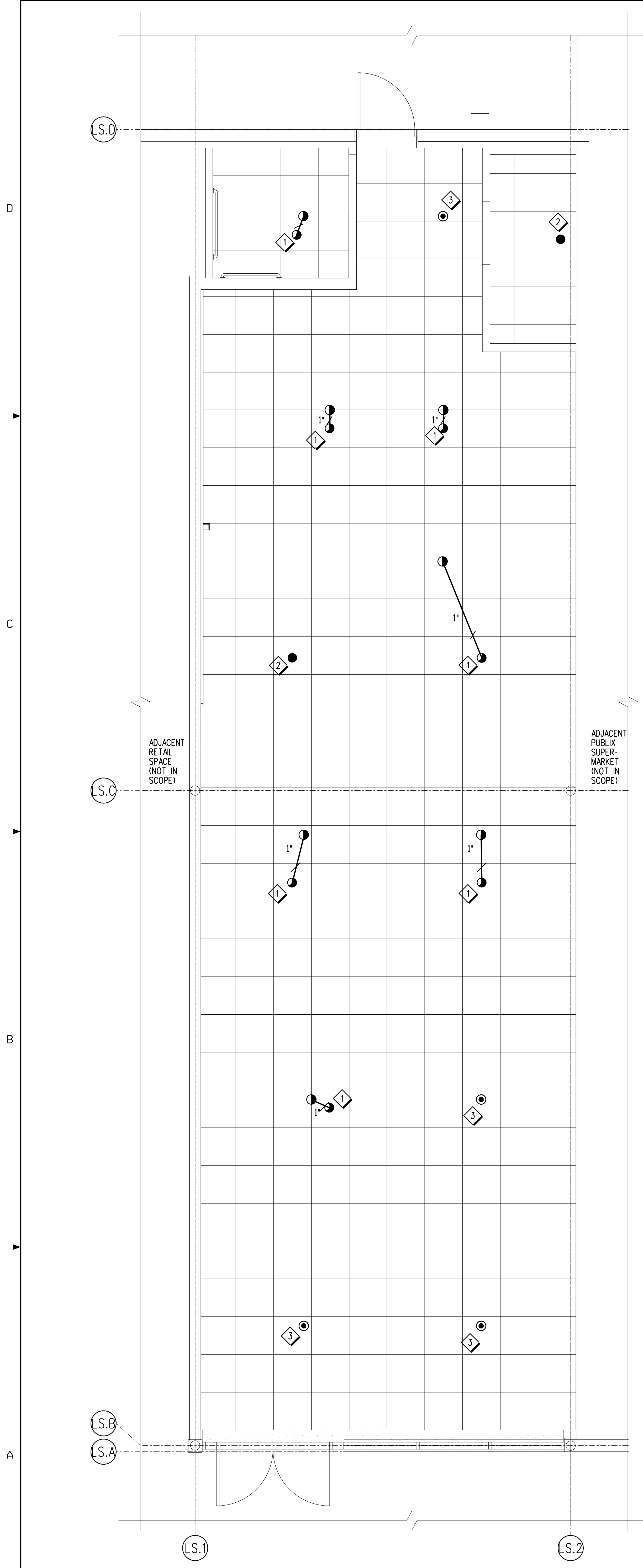
- RELOCATE EXISTING PENDENT SPRINKLER AS SHOWN. REPLACE HEAD OR ESCUTCHEON THAT HAVE CORRODED. MATCH EACH REPLACEABLE COMPONENT TO EXISTING CONDITIONS.
- INSTALL MECHANICAL TEE ONTO EXISTING BRANCH LINE AND ADD A NEW PENDENT SPRINKLER AS SHOWN.
- EXTEND OR CUT BACK EXISTING DROP (IF NECESSARY) DUE TO NEW CEILING INSTALLATION AND REINSTALL EXISTING PENDENT SPRINKLER. REPLACE ALL HEADS OR ESCUTCHEONS THAT HAVE CORRODED. MATCH EACH REPLACEABLE COMPONENT TO EXISTING CONDITIONS.

1. ALL NEW BRANCH LINES ARE TO BE THE SAME SIZE AND TYPE AS EXISTING BRANCH LINES.  
2. THE INTENT OF THESE FIRE PROTECTION LAYOUT DRAWINGS IS TO ASSIST THE AUTHORITY HAVING JURISDICTION IN UNDERSTANDING THE OWNER'S INTENDED USE AND THE PROPOSED PROTECTION OF THE BUILDING AND TO PROVIDE SUFFICIENT DIRECTION TO THE INSTALLATION CONTRACTOR REGARDING THE LAYOUT OF THE SYSTEM. FIRE SPRINKLER INSTALLATION CONTRACTOR SHALL PROVIDE SYSTEM DRAWINGS UNDER A SEPARATE PERMIT.  
3. FIRE SPRINKLER SYSTEM ALTERATION DOES NOT EXCEED THE THRESHOLD OF 49 SPRINKLER HEADS IN THE 2020 FLORIDA BUILDING CODE 105.3.1.2 AND SHALL BE DESIGNED BY THE CONTRACTOR AS AUTHORIZED BY CHAPTER 633 FLORIDA STATUTES AND FLORIDA ADMINISTRATIVE CODE CHAPTER 61G15-32.  
4. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS WHEN REQUIRED AND PURSUANT WITH THE REQUIREMENTS LAYED OUT IN THE 61G15-30.

FIRE SPRINKLER LEGEND

- EXISTING PENDENT SPRINKLER TO REMAIN
- EXISTING PENDENT SPRINKLER TO BE RELOCATED
- NEW PENDENT SPRINKLER
- RELOCATED EXISTING PENDENT SPRINKLER
- EXISTING SPRINKLER PIPE
- - - EXISTING END CAP
- NEW SPRINKLER PIPE
- NEW PIPE HANGER
- ◇ SHEET NOTE POINT

DESIGN SUMMARY  
ALL NUMBERS ARE APPROXIMATE VALUES  
HEADS REPLACED: 0  
HEADS RELOCATED: 2  
HEADS ADDED: 2  
HEADS REMOVED: 0  
NET CHANGE TO STORE: 2



A1 FIRE PROTECTION PLAN  
F-1  
0 1 2 4 8  
1/4" = 1'-0"