

# PROJECT SUMMARY

THE SCOPE OF WORK PROPOSED UNDER THIS PERMIT INCLUDES ALL CONSTRUCTION NECESSARY FOR THE SHELL CONSTRUCTION OF A BUILDING (2,562 SQ.FT. - ENCLOSED) FOR ASSEMBLY OCCUPANCY. PLANS FOR CONSTRUCTION INCLUDE ALL STRUCTURAL COMPONENTS (EXCEPT FLOOR SLAB) AND FINISHES THAT COMPRISE THE BUILDING ENVELOPE. PLANS ALSO INCLUDE THE NECESSARY UTILITY STUB-INS FOR SANITARY SEWER AND DOMESTIC WATER AND ELECTRICAL POWER. IT IS ANTICIPATED THAT THE STARBUCKS INTERIOR FINISH-OUT WILL BE CONSTRUCTED SIMULTANEOUSLY, UNDER SEPARATE PERMIT. SAID PLANS AND CONSTRUCTION WILL INCLUDE PERMANENT POWER, EXIT/EMERGENCY LIGHTING, ETC.

UNDER THE TERMS OF THE LEASE WITH STARBUCKS, THE LANDLORD WILL BE RESPONSIBLE FOR ADDITIONAL WORK INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF ROOFTOP HVAC UNITS. IN ORDER TO FULLY AND ACCURATELY DOCUMENT SUCH WORK, PLANS FOR STARBUCKS INTERIOR FINISH-OUT MUST BE COMPLETED (CURRENTLY IN PRODUCTION BY OTHERS). UPON RECEIPT OF TENANT PLANS, REVISIONS WILL BE MADE TO THESE SHELL DOCUMENTS WHICH WILL FULLY DOCUMENT ALL LANDLORD RESPONSIBILITIES. ACCORDINGLY, REVISIONS WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IT IS THE LANDLORD'S INTENT TO BEGIN THE PROCESS FOR REVIEW AND PERMIT OF THE SHELL DOCUMENTS PROVIDED HEREIN IN ORDER TO MEET OBLIGATIONS FOR DELIVERY OF THE BUILDING.

THE ABOVE-MENTIONED CONSTRUCTION DRAWINGS FOR STARBUCKS INTERIOR FINISH-OUT SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL AND PERMIT PRIOR TO CONSTRUCTION (BY OTHERS).

UNDER THE TERMS OF THE LEASE WITH STARBUCKS, THE LANDLORD WILL BE RESPONSIBLE FOR ADDITIONAL WORK INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF ROOFTOP HVAC UNITS. IN ORDER TO FULLY AND ACCURATELY DOCUMENT SUCH WORK, PLANS FOR STARBUCKS INTERIOR FINISH-OUT MUST BE COMPLETED (CURRENTLY IN PRODUCTION BY OTHERS). UPON RECEIPT OF TENANT PLANS, REVISIONS WILL BE MADE TO THESE SHELL DOCUMENTS WHICH WILL FULLY DOCUMENT ALL LANDLORD RESPONSIBILITIES. ACCORDINGLY, REVISIONS WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. IT IS THE LANDLORD'S INTENT TO BEGIN THE PROCESS FOR REVIEW AND PERMIT OF THE SHELL DOCUMENTS PROVIDED HEREIN IN ORDER TO MEET OBLIGATIONS FOR DELIVERY OF THE BUILDING.

PROJECT CODE DATA										
<b>APPLICABLE CODES</b>										
<ul style="list-style-type: none"> <li>• FLORIDA BUILDING CODE-BUILDING (7TH EDITION)</li> <li>• FLORIDA BUILDING CODE-ACCESSIBILITY (7TH EDITION)</li> <li>• FLORIDA BUILDING CODE-ENERGY CONSERVATION (7TH EDITION)</li> <li>• FLORIDA BUILDING CODE-FUEL GAS (7TH EDITION)</li> <li>• FLORIDA BUILDING CODE-MECHANICAL (7TH EDITION)</li> <li>• FLORIDA BUILDING CODE-PLUMBING (7TH EDITION)</li> <li>• FLORIDA FIRE PREVENTION CODE (7TH EDITION)</li> <li>• NATIONAL ELECTRIC CODE (2007 EDITION)</li> </ul>										
<b>BUILDING STATISTICS</b>										
OCCUPANCY	GROUP (A-2) ASSEMBLY									
CONSTRUCTION TYPE	TYPE VB, UNPROTECTED									
FIRE SPRINKLERED	NO									
FIRE ALARM	NO									
ALLOWABLE AREA	6,000 SQ.FT. PER FLOOR									
PROPOSED AREA	2,562 SQ.FT. (ENCLOSED) + 331 SQ.FT. (COVERED OUTDOOR SEATING) = 2,893 SQ.FT. (UNDER ROOF)									
NO. OF STORIES	1 ALLOWED / 1 PROPOSED									
PROPOSED HEIGHT	10'-0" ALLOWED / 19'-4" (TOP OF PARAPET)									
OCCUPANT LOAD	OCCUPANT LOAD = 72 (PER TENANT'S PLAN # CALCULATED LOAD) OCCUPANT LOAD BASED ON MOST RESTRICTIVE VALUES FROM BOTH THE BUILDING AND FIRE CODE. AREAS BASED ON TENANT'S FUTURE PLAN. THE OCCUPANT LOAD WILL BE FULLY DESCRIBED IN THE TENANTS INTERIOR FINISH-OUT DRAWINGS TO BE SUBMITTED UNDER SEPARATE PERMIT.									
MAXIMUM TRAVEL DISTANCE	200' (UNSPRINKLERED)									
MAX. DEAD END CORRIDOR	20' (UNSPRINKLERED)									
EGRESS WIDTH REQUIRED	2" PER OCCUPANT = 2" X 72 = 14.4"									
EGRESS WIDTH PROVIDED	150" (THREE EXITS)									
MINIMUM CORRIDOR WIDTH	44" REQUIRED, NOT APPLICABLE, CORRIDORS TO BE PROVIDED BY TENANT UNDER SEPARATE PERMIT									
MINIMUM STAIR WIDTH	NOT APPLICABLE, SINGLE STORY BUILDING PROPOSED									
FIRE RATINGS-TABLE 601	PRIMARY STRUCT. FRAMEWORK 0 BEARING WALLS 0 EXTERIOR WALLS AND OPENINGS (SEE BELOW) FIRE DIVISION WALLS N/A INTERIOR BEARING WALLS 0 FLOOR CONSTRUCTION N/A ROOF CONSTRUCTION 0									
TABLE 602 - FIRE RESISTANCE RATINGS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE										
SEPARATION DISTANCE	FIRE RATING	WALL AREA	OPENING AREA	% OPENINGS ALLOWED	% OPENINGS PROPOSED	* WHERE SEPARATION FROM PROPERTY LINES EXCEEDS 30 FEET, THERE ARE NO LIMITS FOR UNPROTECTED WALL OPENINGS. CALCULATIONS FOR WALL AREA, OPENING AREA AND PROPOSED OPENING PERCENTAGES NOT PROVIDED IN SUCH INSTANCES				
EAST > 30'	0	*	*	NL	#					
NORTH > 30'	0	*	*	NL	#					
WEST > 30'	0	*	*	NL	#					
SOUTH > 30'	0	*	*	NL	#					
MIN. FIRE RESISTANCE OF WALLS, PARTITIONS AND OPNG PROTECTIVES										
		SHAFT ENCLOSURES	NOT APPLICABLE							
		EXIT ACCESS CORRIDORS	NOT APPLICABLE							
		TENANT SEPARATION	NOT APPLICABLE							
		OCCUPANCY SEPARATION	NOT APPLICABLE							
		FLOOR PENETRATIONS	NOT APPLICABLE							
MINIMUM PLUMBING FIXTURES		TOILET ROOMS AND PLUMBING FIXTURES ARE NOT INCLUDED IN THE PROPOSED SCOPE OF WORK (SHELL CONSTRUCTION ONLY). THESE WILL BE PROVIDED BY THE TENANT UNDER SEPARATE PERMIT.								
		CONSTRUCTION DRAWINGS FOR THE INTERIOR FINISH-OUT DOCUMENTS SHALL BE PROVIDED BY THE TENANT AND SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL AND PERMIT PRIOR TO CONSTRUCTION.								

FLORIDA PRODUCT DATA INDEX				
PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	FL APPROVAL NO.	DATE APPROVED
PANEL WALLS	ALUM STOREFRONT (IMPACT)	YKK AP AMERICA	FL-452B2	06/08/21
PANEL WALLS	EXTERIOR INSULATION AND FINISH SYSTEM	DRYMT SYSTEMS, INC.	FL-380841	02/21/22
EXTERIOR DOORS	ALUM ENTRANCES (IMPACT)	YKK AP AMERICA	FL-165541	02/08/22
EXTERIOR DOORS	COMMERCIAL STEEL DOORS	CECO DOOR PRODUCTS	FL-4553-R15	12/10/20
ROOFING	SINGLE-PLY ROOFING SYSTEMS (TPO)	FIRESTONE BLDG. PRODUCTS CO.	FL-10264-R16	12/16/20
WINDOWS	PASS THRU	READY ACCESS	FL-51621	10/18/20
STRUCTURAL COMPONENT	PRODUCT INTRODUCED AS A RESULT OF NEW TECH	CAST-ORETE USA, INC.	FL-168R14	08/12/21

THE PRODUCTS LISTED ABOVE ARE THE BASIS OF DESIGN

THE CONTRACTOR MUST MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL COMPONENTS REQUIRING PRODUCT APPROVAL PER FS 553.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS

THE CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL COMPONENTS REQUIRING PRODUCT APPROVAL PER FS 553.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS

# GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS, WORKMANLIKE MANNER ACCORDING TO BEST TRADE PRACTICES. MATERIALS AND EQUIPMENT SHALL BE NEW, AND ALL CONSTRUCTION SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION AND/OR OPENING OF THE DEMISED PREMISES FOR BUSINESS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL AUTHORITIES OR AGENCIES HAVING JURISDICTION AND IN ACCORDANCE WITH THE TENANT'S DRAWINGS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF THE SITE. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING W/ CONSTRUCTION.
4. TEMPORARY ELECTRIC POWER AND LIGHTING WILL BE PROVIDED AS REQUIRED. THE TEMPORARY SERVICE MUST MEET ALL APPLICABLE CODE AND SAFETY REQUIREMENTS.
5. THE GENERAL CONTRACTOR SHALL PROPERLY PROTECT THE WORK FOR PUBLIC SAFETY AND AGAINST ACCIDENTS, WEATHER OR ANY OTHER HAZARD WITH LIGHTS AND GUARD RAILS OR BARRICADES AS APPLICABLE.
6. ALL EXITS SHALL BE MAINTAINED AND SHALL BE OPERABLE FROM THE INSIDE W/OUT SPECIAL KNOWLEDGE OR EFFORT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION AND SIZE OF OPENINGS FOR ALL TRADES AND SHALL COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONSTRUCTION DOCUMENTS, INCLUDING SHOP DRAWINGS REVISED BY THE ARCHITECT.
8. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY AND REQUIRED PERMITS, FEES, DEPOSITS, ETC.
9. A FIRE EXTINGUISHER IS REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL MAKE ALL PERSONNEL AWARE OF ITS LOCATION.
10. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED TO BE COMPLEMENTARY. WHAT IS REQUIRED BY THE DRAWINGS SHALL BE REQUIRED BY THE SPECIFICATIONS, AND CONVERSELY. IN THE CASE OF DISCREPANCIES BETWEEN THE TWO DOCUMENTS CONCERNING QUALITY AND/OR QUANTITY, THE CONTRACTOR SHALL INCLUDE THE BETTER QUALITY AND/OR GREATER QUANTITY UNLESS OTHERWISE DIRECTED IN WRITING BY THE ARCHITECT. WHERE SPECIFICATIONS HAVE BEEN OMITTED FOR PARTICULAR ITEM(S), THE CONTRACTOR SHALL EMPLOY THE HIGHEST STANDARDS ESTABLISHED BY THE MANUFACTURER OF THE ITEM(S) AS THE GUIDELINES FOR PRODUCT HANDLING, INSTALLATION OR ERECTION AND PROTECTION OF THE COMPONENT ONCE IN PLACE.

# PERMIT NOTES

**SIGNAGE:**

SIGNAGE DEPICTED IN THESE DOCUMENTS ARE FOR COORDINATION PURPOSES ONLY. IT SHALL BE UNDERSTOOD THAT ALL EXTERIOR BUILDING MOUNTED AND SITE SIGNAGE WILL BE PERMITTED SEPARATELY, EITHER BY THE LANDLORD'S SIGN VENDOR OR BY INDIVIDUAL TENANT SIGN VENDORS. AT THAT TIME, COMPLETE DETAILS INCLUDING, BUT NOT LIMITED TO, SIGN FABRICATION, SIGN INSTALLATION, SIGN AREA AND QUANTITIES, ETC. WILL BE SUBMITTED FOR PERMIT REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.

**SHOP DRAWINGS:**

IT SHALL BE UNDERSTOOD THAT ENGINEERED SHOP DRAWINGS FOR PRE-ENGINEERED ROOF JOISTS SHALL BE PROVIDED BY MANUFACTURER AND SUBMITTED TO THE BUILDING DEPARTMENT BY THE GENERAL CONTRACTOR. SAID SHOP DRAWINGS SHALL CONTAIN A STATEMENT FROM THE PROFESSIONAL OF RECORD STATING THAT HE/SHE HAS REVIEWED THE DRAWINGS AND THAT DRAWINGS ARE IN COMPLIANCE WITH HIS/HER DESIGN BY NAMING THE MANUFACTURER, JOB NUMBER AND DATE OF THE PLANS.

**PERMITS:**

SEPARATE PERMITS WILL BE REQUIRED FOR THE DUMPSTER ENCLOSURE, KINNINGS AND PRE-ENGINEERED CANOPIES. SAID PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF WORK ON ANY OF THESE COMPONENTS.

# FINISH NOTES

1. SUBCONTRACTORS MUST EXAMINE EACH INSTALLATION AREA FOR CONDITIONS THAT MAY INTERFERE WITH PROPER, TIMELY, OR ACCEPTABLE COMPLETION OF THE WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR OF UNACCEPTABLE CONDITIONS BEFORE FINISH MATERIAL INSTALLATION. PERFORMANCE OF FINISH WORK INDICATES ACCEPTANCE OF ALL SUBSTRATE CONDITIONS AND ASSUMPTION OF RESPONSIBILITY FOR COMPLIANCE WITH MATERIAL INSTALLATION QUALITY STANDARDS.
2. CONTRACTOR TO PREPARE FLOOR SUBSTRATE CONDITIONS (WHERE APPLICABLE) AS NECESSARY WHERE DIFFERENT MATERIALS ABUT TO ENSURE SMOOTH AND GRADUAL TRANSITION, FREE FROM TRIP HAZARD OR EXCESSIVE ELEVATION CHANGE. PROVIDE TRANSITION EDGES AS APPROPRIATE. SUBMIT ACCESSORY OPTIONS, INCLUDING AVAILABLE FINISH AND COLOR SELECTIONS FOR APPROVAL.
3. WHERE NO FLOOR FINISH IS REQUIRED, CONTRACTOR SHALL PROVIDE A CLEAN SMOOTH SURFACE FOR FINISHES PROVIDED BY TENANT.
4. FOR PAINTED / STAINED SURFACES, ADHERE TO INDUSTRY STANDARDS AND USE PRIMERS, PAINT, STAINS, AND OTHER PRODUCTS AS APPROPRIATE FOR THE CONDITIONS AND SUBSTRATES TO WHICH FINISHES ARE BEING APPLIED.
5. ALL GWB SURFACES THAT ARE NOT TO BE PAINTED UNDER THE SCOPE OF THIS CONTRACT (PAINT BY TENANT) ARE TO BE TAPED, MUDDED AND SANDED. WALLS SHALL BE LEFT IN A CONDITION READY FOR TEXTURE AND PAINT BY TENANT.
6. ACCEPTABLE PAINT MANUFACTURERS ARE BENJAMIN MOORE OR SHERWIN WILLIAMS. REFER TO SPECIFICATIONS FOR TYPE OF PAINT.
7. ALL COLOR SELECTIONS, IF NOT INDICATED ON PLANS, SHALL BE MADE BY THE TENANT FROM THE MANUFACTURER'S STANDARD SELECTIONS PROVIDED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED.

ALL WALL AND CEILING FINISHES SHALL COMPLY WITH FLORIDA FIRE PREVENTION CODE SECTION 102.3 AND SHALL BE CLASS A OR B IN EXITS AND ENCLOSED CORRIDORS FURNISHING ACCESS TO EXITS; AND CLASS A, CLASS B OR CLASS C IN OFFICES.

INTERIOR FLOOR FINISHES SHALL COMPLY WITH FLORIDA FIRE PREVENTION CODE SECTION 102.7 AND SHALL BE CLASS I OR CLASS II IN CORRIDORS AND EXITS

- ALL WALL AND CEILING FINISHES SHALL COMPLY WITH FLORIDA FIRE PREVENTION CODE SECTION 10.2.3 AND SHALL BE CLASS A OR B IN EXITS AND ENCLOSED CORRIDORS FURNISHING ACCESS TO EXITS; AND CLASS A, CLASS B OR CLASS C IN OFFICES.  
INTERIOR FLOOR FINISHES SHALL COMPLY WITH FLORIDA FIRE PREVENTION CODE SECTION 10.2.7 AND SHALL BE CLASS I OR CLASS II IN CORRIDORS AND EXITS

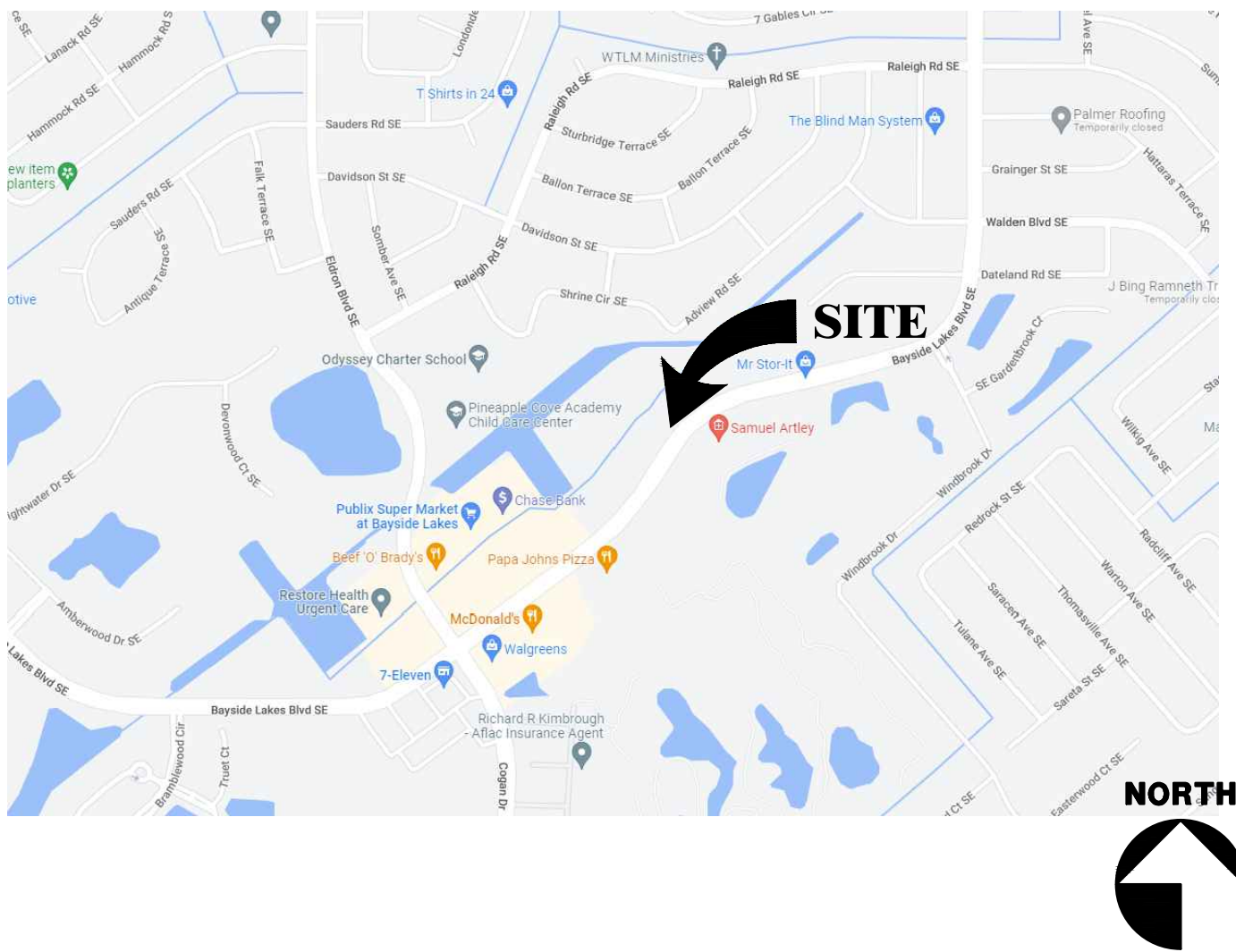


BAYSIDE LAKES BLVD  
PALM BAY, FL

# PROJECT TEAM

<b><u>DEVELOPER</u></b> ROCK PROPERTIES 111 EAST FAIRBANKS AVENUE, FIRST FLOOR WINTER PARK, FL 32784 ATTN: GREG ZUCKERMAN TEL: (407) 478-8220	<b><u>ARCHITECT</u></b> FHM ARCHITECTS, INC. 3336 GRAND BLVD. SUITE 201 HOLIDAY, FLORIDA 34640 ATTN: ADRIENNE BAUER TEL: (727) 815-3336
<b><u>BUILDING DEPARTMENT</u></b> PALM BAY BUILDING DEPARTMENT 190 MALABAR ROAD, SUITE 105 PALM BAY, FL 32908 ATTN: COMMERCIAL PLAN REVIEW TEL: (321) 952-3400	<b><u>STRUCTURAL ENGINEER</u></b> ACG PROFESSIONAL ENGINEERING 16412 MELISSA ANN DRIVE LUTZ, FLORIDA 33559-8049 ATTN: ALAN GUENTHER TEL: (813) 963-1906
<b><u>CIVIL ENGINEER</u></b> UPHAM, INC. 265 KENILWORTH AVE ORMOND BEACH, FL 32174 ATTN: ROGER STRCULA TEL: (386) 672-9615	<b><u>ELECTRICAL ENGINEER</u></b> CHEHAEB & ASSOCIATES 3702 AZEEL STREET TAMPA, FLORIDA, 33609 ATTN: SOUHEIL CHEHAEB TEL: (813) 676-1415
<b><u>MECHANICAL &amp; PLUMBING</u></b> STEPANEK-LEWIS AND ASSOCIATES, INC. 2257 TWELVE OAKS WAY, SUITE 103 WESLEY CHAPEL, FLORIDA 33544 ATTN: MIATT LEWIS TEL: (813) 991-1248	

1. ULTIMATE WIND SPEED = 150 MPH (FBC FIGURE 1609.3(1))
2. WIND EXPOSURE "C"
3. BUILDING RISK CATEGORY II (PER FBC TABLE 1604.5)
4. INTERNAL PRESSURE COEFFICIENT  
(GCpi) = +/- 0.18, TOTALLY ENCLOSED  
(PER ASCE 7-16)
5. COMPONENTS AND CLADDING - REFER TO STRUCTURAL DRAWINGS FOR WIND DESIGN CRITERIA

[illegible][illegible][illegible]

PART 2 - PRODUCTS  
A. NOT USED.

PART 3 - EXECUTION  
A. NOT USED.

END OF SECTION 01330

---

2.2 ACCESSORIES

A. VAPOR RETARDER: REINFORCED POLYETHYLENE OR FIRE-RETARDANT, REINFORCED POLYETHYLENE, MIN. 6 MILL THICK.

B. EAVE VENTILATION TROUGH: PREFORMED, RIGID FIBERBOARD OR PLASTIC SHEETS DESIGNED TO FIT BETWEEN ROOF FRAMING MEMBERS AND TO PROVIDE CROSS-VENTILATION BETWEEN ATTIC SPACES AND VENTED EAVES.

---



XX.XX **KEYNOTE SCHEDULE**

NOTES:

- A. THIS LIST IS FOR REFERENCE TO ALL KEYNOTES USED ON ALL SHEETS
- B. NOT ALL NOTES ARE USED ON THE PROJECT

## DIVISION 1 - GENERAL

- 1.10 ROOF PARAPET, SEE WALL SECTIONS AND ROOF DETAILS  
1.20 BUILDING ELEMENT/CONSTRUCTION BEYOND  
1.21 DASHED LINE INDICATES OUTLINE OF ROOF BEYOND OR ABOVE  
1.22 RTU BEYOND, SEE ROOF PLAN  
1.30 PARAPET BREAK FOR ROOF ACCESS, REFER TO ROOF PLAN  
1.31 PROVIDE BREAK IN TRIM AT DOWNSPOUT LOCATIONS  
1.40 BECHED OR SOFT ABOVE, SEE REFLECTED CEILING PLAN AND/OR WALL SECTIONS  
1.41 DASHED LINE INDICATES CANOPY OR AWNING ABOVE (OR BELOW AS APPLICABLE); REFER TO WALL SECTIONS AND EXTERIOR ELEVATIONS  
1.42 OUTLINE OF RTU CURB ABOVE  
1.50 LINE OF WALL BELOW  
1.51 DASHED LINE INDICATES LOCATION OF ROOF JOIST / BEAM BELOW. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS

## DIVISION 2 - SITE CONSTRUCTION

- 2.01 PROPERTY OR LOT LINE, REFER TO CIVIL DRAWINGS
- 2.10 REFER TO CIVIL DRAWINGS FOR ALL PAVEMENT/SURFACING BEYOND BUILDING AND SIDEWALK INCLUDING ALL PAVEMENT MARKINGS, PARKING STRIPPING, HC GRAPHICS, CROSSWALKS AND DIRECTIONAL ARROWS
- 2.20 CONCRETE SIDEWALK, 4" THICK 3,000 PSI W/ 6 X 6, W/4 X W/4 WMM. PROVIDE 12" DEEP 8" WIDE TURNED DOWN EDGE WITH (1) #5 REBAR CONTINUOUS AT PERIMETER. REFER TO ARCHITECTURAL SITE PLAN ON SHEET AS.1 FOR REQUIREMENTS
- 2.21 CONCRETE SIDEWALK, REFER TO SEE CIVIL DRAWINGS FOR EXTENTS
- 2.23 CONCRETE CURB, REFER TO CIVIL DRAWINGS FOR REQUIREMENTS
- 2.25 6" THICK CONCRETE WITH INTEGRAL COLOR (NUMBER C/516/6 AS MANUFACTURED BY INCRETE SYSTEMS) REQUIRED AT DRIVE-THRU LANE AND HC PARKING STALLS, REFER TO ARCHITECTURAL SITE PLAN AND CIVIL DRAWINGS FOR EXTENTS
- 2.27 CONCRETE WHEEL STOP, REFER TO CIVIL DRAWINGS
- 2.30 LANDSCAPE AREA, REFER TO CIVIL AND LANDSCAPE DRAWINGS
- 2.33 LINE INDICATES PVC DRAIN FROM LANDSCAPE AREA THROUGH CURB. DISCHARGE AT FACE OF CURB. REFER TO DETAIL ON SHEET A.2
- 2.40 HANDICAP RAMP WITH 1/12 MAXIMUM SLOPE, REFER TO CIVIL DRAWINGS
- 2.41 FLUSH TRANSITION BETWEEN PARKING AND SIDEWALK FOR HANDICAP ACCESS. PROVIDE DETECTABLE SURFACING. CURB RAMP INDICATED
- 2.42 EXPOSED AGGREGATE DETECTABLE WARNING SURFACE, REFER TO CIVIL DRAWINGS. IF NOT SPECIFICALLY INDICATED, PROVIDE LARGE AGGREGATE GRAVEL AASHTO #3 OR #57
- 2.43 PROVIDE CONCRETE PAVERS OVER COMPACTED LIMESTONE BASE. PAVES SHALL BE AS MANUFACTURED BY TREMIRON®. 4" THICK PLANK PAVES, COLOR: NATURAL GREY, PATTERN: RUNNING BOARD. PROVIDE CLEAR SEALANT. INSTALL 6" WIDE X 18" CONCRETE RIBBON CURB AT PERIMETER
- 2.50 HANDICAPPED PARKING SIGN, REFER TO CIVIL DRAWINGS
- 2.60 BIKE RACK, REFER TO DETAILS ON SHEET AS.1
- 2.62 STEEL PIPE BOLLARD, 6" DIA. SCHEDULE 40 WITH GROUT FILL. PAINT TRAFFIC YELLOW UNLESS OTHERWISE NOTED. REFER TO DETAIL ON SHEET AS.2
- 2.63 STEEL PIPE BOLLARD, 6" DIA. SCHEDULE 40 WITH GROUT FILL. REFER TO DETAIL ON SHEET AS.2
- 2.64 RAILING AT OUTDOOR SEATING AREA. MOUNT ON 6" WIDE X 18" DEEP CONCRETE RIBBON CURB. REFER TO DETAILS ON SHEET AS.2. THE FINAL LAYOUT AND DESIGN SHALL BE COORDINATED WITH TENANT PLANS
- 2.70 MONUMENT OR PYLON SIGN. REFER TO SIGNAGE NOTES ON SHEET AS.2. REFER TO ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS
- 2.80 TRANSFORMER ON CONCRETE PAD
- 2.91 10'-0" HIGH PREFINISHED ALUMINUM PRIVACY SCREEN BY SLEEFENCE OR EQUAL. REFER TO DETAILS ON SHEET AS.1. GENERAL CONTRACTOR SHALL VERIFY THE EXACT CONFIGURATION AND DESIGN WITH TENANT PRIOR TO CONSTRUCTION

### DIVISION 3 - CONCRETE

- 3.04 PROVIDE SOLID CONCRETE FILL AT CMU CELLS BELOW FINISHED FLOOR (OR AS SHOWN)
- 3.01 CONTINUOUS CONCRETE FOOTING, REFER TO FOUNDATION PLAN AND DETAILS FOR REQUIREMENTS
- 3.22 SHADED AREA INDICATES CONCRETE SLAB LEAVE-OUT; SLAB BY OTHERS. REFER TO STRUCTURAL FOUNDATION PLAN AND DETAILS
- 3.24 CONCRETE SLAB BY TENANT, REFER TO FOUNDATION PLAN
- 3.25 CONCRETE CAP AT FOUNDATION WALL WHERE STOREFRONT OR DOORS OCCUR ADJACENT TO CONCRETE SLAB LEAVE-OUTS. REFER TO WALL SECTIONS AND STRUCTURAL DRAWINGS
- 3.30 CAST-IN-PLACE CONCRETE BEAM, REFER TO STRUCTURAL DRAWINGS

#### DIVISION 4 - MASONRY

- 4.10 CONCRETE MASONRY UNIT (CMU), WIDTH AS INDICATED, REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT AND FILLED CELL LOCATIONS
- 4.12 PRECAST CONCRETE LINTEL, GROUT FILLED WITH GROUT FILLED KNICK-OUT BLOCK ABOVE (AS APPLICABLE), REFER TO STRUCTURAL DRAWINGS FOR EXACT CONFIGURATION AND REINFORCEMENT REQUIREMENTS
- 4.13 CMU KNICK-OUT BLOCK BOND BEAM, GROUT FILLED, REFER TO STRUCTURAL DRAWINGS FOR EXACT CONFIGURATION AND REINFORCEMENT REQUIREMENTS
- 4.20 TIE BARS, REFER TO EXTERIOR FINISH SCHEDULE. PROVIDE TIE BRICK VENEER OVER GALVANIZED WIRE LATH ON BITUMINOUS WATERPROOFING ON CMU.
- 4.21 MASONRY CONTROL JOINT

## DIVISION 5 - METALS

- 5.01 AT PERIMETER STUD FURRING, PROVIDE CONTINUOUS TRACK INSTALLED 1/2" ABOVE FINISHED CONCRETE FLOOR SLAB ELEVATION
- 5.02 AT PERIMETER STUD FURRING, PROVIDE 2" X 2" X 3" HIGH 18 GA. CLIP ANGLE FASTENED WITH (2) #10 TEK SCREWS AND (2) 0.145 DIAMETER POWER DRIVEN FASTENERS. PROVIDE AND INSTALL CLIP ANGLE AT BOTTOM, MIDDLE AND TOP OF STUD
- 5.10 STEEL COLUMN, REFER TO STRUCTURAL DRAWINGS
- 5.11 STEEL BEAM, REFER TO STRUCTURAL DRAWINGS
- 5.12 STEEL ANGLE, REFER TO STRUCTURAL DRAWINGS
- 5.14 H.S.S. FRAMING, REFER TO STRUCTURAL DRAWINGS
- 5.30 METAL ROOF OR FLOOR DECK, REFER TO STRUCTURAL DRAWINGS
- 5.46 7/8" METAL HAT CHANNEL FURRING AT 24" O.C. (VERTICAL)
- 5.50 ALUMINUM ROOF ACCESS LADDERS WITH LOCKABLE SECURITY GATE AND CAGE. REFER TO EXTERIOR ELEVATIONS AND DETAIL ON SHEET A5.0
- 5.60 STEEL FRAMED EQUIPMENT SCREEN, REFER TO ROOF PLAN, EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS
- 5.80 VERTICAL WALL REINFORCEMENT IN GROUT FILLED CELL, TYP. REFER TO STRUCTURAL DRAWINGS

## DIVISION 6 - WOOD AND PLASTICS

- 6.10 PT 2 X WOOD BLOCKING, BUCK OR DRAFT STOP  
6.11 PT 1 X WOOD BLOCKING OR BUCK  
6.12 PT WOOD SHIM AS REQUIRED  
6.15 PT 2 X WOOD PLATE WITH 1/2" DIAMETER ANCHOR BOLTS (6" MINIMUM EMBEDMENT) AT 4'-0" O.C.  
MAXIMUM. IN LIEU OF SPECIFIED ANCHOR BOLT, 1/4" DIA. X 4' LONG TAPCONS STAGGERED AT 24" O.C.  
MAY BE PROVIDED FOR PLATE ATTACHMENT. FASTENERS SHALL BE PLACED MINIMUM 2 1/2" FROM EDGE  
OF WOOD PLATE  
6.21 5/8" CDX PLYWOOD, REFER TO STRUCTURAL DRAWINGS AS REQUIRED

## DIVISION 7 - THERMAL AND MOISTURE PROTECTION

- 7.03 COMPRESSIBLE FILLER (3/4" MAX.) CUT BACK EXCESS BELOW SLAB AND PROVIDE SEALANT BEAD, CONTINUOUS. DO NOT PLUG WEEP HOLES
- 7.04 PROVIDE ROOFTOP WALKWAY PADS AS SHOWN AND AROUND ALL ROOFTOP EQUIPMENT
- 7.07 PROVIDE LIQUID BITUMINUM DAMP-PROOFING AT PLYWOOD SURFACES PRIOR TO INSTALLATION OF ALUMINUM BREAKTALL
- 7.08 SEALANT AND BACKER ROD, CONTINUOUS, SEALANT COLOR TO MATCH ADJACENT MATERIAL AS APPLICABLE
- 7.09 SEALANT BEAD, CONTINUOUS, SEALANT COLOR TO MATCH ADJACENT MATERIAL AS APPLICABLE
- 7.10 INSTALL CONTINUOUS SIL FLASHING TO SLAB EDGE AND TURN DOWN, PROVIDE FLASHING END CAPS AT JAMB TERMINATION, SET IN SEALANT
- 7.12 SINGLE-PLY ROOF MEMBRANE OVER (R-25) RIGID INSULATION, REFER TO SPECIFICATIONS
- 7.13 SINGLE-PLY ROOF MEMBRANE FULLY ADHERED TO REAR FACE OF PARAPET (OR CURB). EXTEND FROM TOP OF COUNTERFLASHING (OR ROOF AS APPLICABLE), OVER PARAPET AND TERMINATE BEHIND HOLD DOWN CLEAT
- 7.16 MANUFACTURER APPROVED PLATES FASTENED WITH MANUFACTURER APPROVED FASTENERS
- 7.18 HEAT WELDED SEAM AT SINGLE-PLY MEMBRANE
- 7.30 PREFINISHED ALUMINUM DOWNGUT (SIZE AS INDICATED ON ROOF PLAN) WITH STRAPS AT 6'-0" O.C. MAX., REFER TO EXTERIOR ELEVATIONS AND ROOF PLAN, WHERE APPLICABLE, EXTEND BELOW GUT TO STORM SEWER PER CIVIL DRAWINGS AND PROVIDE CAST TRANSITION BOOT WITH CLEANOUT. J.R. HOE AND SONS A-SERIES, SEE DETAIL ON SHEET A.S.1
- 7.32 PREFINISHED ALUMINUM CONDUCTOR HEAD, 16" WIDE X 12" HIGH X 10" DEEP. REFER TO ROOF PLAN AND DETAILS
- 7.33 PREFINISHED ALUMINUM SCUPPER / EMERGENCY OVERFLOW SCUPPER, 1'-0" WIDE X 8" HIGH, UNLESS OTHERWISE NOTED ON ROOF PLAN. REFER TO ROOF PLAN AND DETAILS
- 7.41 HIGH DENSITY EXPANDED POLYSTYRENE TRIM BAND WITH EIFS ACRYLIC FINISH COAT.REFER TO NOTES ON EXTERIOR ELEVATIONS AND FINISH SCHEDULE
- 7.55 TAPERED INSULATION WITH 1/2" PER FOOT MINIMUM SLOPE. PROVIDE AT LOCATIONS INDICATED INCLUDING ALL ROOF MOUNTED EQUIPMENT CURBS
- 7.60 PREFINISHED ALUMINUM COPPER, SLOPED TO FACILITATE DRAINAGE, PROVIDE WITH COPED SEAMS PER NRCA 5.5 THRU '12'. SEE TYP. ROOF DETAILS, REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR
- 7.67 MECHANICAL FASTENER WITH NEOPRENE WASHER
- 7.68 FLASHING AT ROOF SIDE OF SCUPPER OPENING
- 7.95 PROVIDE (3) ONE INCH DIAMETER OVERFLOW HOLES

## DIVISION 8 - DOORS AND WINDOWS

- 8.01 IN FLORIDA LOCATIONS, ALUMINUM STOREFRONT ENTRANCE SYSTEMS SHALL PER INSTALLED WITH ANCHORS AS STIPULATED IN THE MANUFACTURER'S FLORIDA PRODUCT APPROVAL DATA. REFER TO THE FLORIDA PRODUCT APPROVAL INDEX ON SHEET AO FOR THE APPROPRIATE FLORIDA PRODUCT NUMBER.
- 8.04 REFINISHED ALUMINUM BREAK METAL TO MATCH ALUMINUM STOREFRONT FRAME COMPONENTS FULLY ADHERED TO PLYWOOD WITH EXTERIOR GRADE CONSTRUCTION ADHESIVE.
- 8.10 ALUMINUM STOREFRONT SYSTEM, REFER TO FRAME OPENING SCHEDULE.
- 8.11 ALUMINUM STOREFRONT ENTRANCE SYSTEM, REFER TO FRAME OPENING SCHEDULE.
- 8.12 DRIVE THRU WINDOW UNIT, REFER TO FRAME OPENING SCHEDULE AND ELECTRICAL DRAWINGS.
- 8.20 HOLLOW METAL DOOR AND FRAME, REFER TO FRAME OPENING SCHEDULE. PROVIDE (3) JAMB ANCHORS PER SIDE.
- 8.50 ADA COMPLIANT ALUMINUM THRESHOLD, 1/4" HIGH X 4" WIDE X FULL LENGTH OF OPENING. THRESHOLD SHALL HAVE BEVELED EDGES AND SHALL BE RIBBED. SET IN BED OF SEALANT.
- 8.57 RAIN DRIP, REFER TO HARDWARE SCHEDULE.

## DIVISION 9 - FINISHES

- 4.16 PROVIDE 6" 20 GA METAL STUD FURRING WITH R-19 BATT INSULATION AT CAVITY AND 5/8" GWB WITH LEVEL  
4.17 4 FINISH, PRIMED WHITE. EXTEND ALL FULL HEIGHT TO ROOF DECK
- 4.18 5/8" GYPSUM WALLBOARD (GWB), MOISTURE RESISTANT IS REQUIRED AT ALL PLUMBING WALLS  
4.19 ACOR (EIPS) FINISH CAST "1/4" THICK GYPSUM PLASTER BASE OVER CMU. REFER TO EXTERIOR  
4.20 ELEVATIONS FOR TEXTURES AND COLOR REQUIREMENTS
- 4.21 DIRECT APPLIED EIPS ACRYLIC FINISH CAST AT LOCATIONS OF EXPOSED FOUNDATION OR CMU STEM WALL  
4.22 CONTROL JOINT IN CEMENT PLASTER, "H" SHAPE, (CLARK DIETRICH BUILDING SYSTEMS) #15 ZINC DOUBLE-V  
4.23 CONTROL JOINT WITH EXPANDED WIRE MESH FLANGES
- 4.24 GWB OR CEMENT PLASTER CORNER BEAD  
4.25 GWB OR CEMENT PLASTER "J" MOLD, FINISH TO MATCH WALL OR CEILING SURFACE
- 4.26 CEMENT PLASTER FOUNDATION WEEP SCREEN  
4.27 EXPOSED STRUCTURE, NO CEILING REQUIRED

## DIVISION 10 - SPECIALITIES

- 10.10 SIGN LOCATION, SIGN TO BE PERMITTED AND INSTALLED BY TENANT'S SIGN VENDOR. SHELL, G.C. SHALL REFER TO ELECTRICAL FOR POWER REQUIREMENTS. PROVIDE 5/8" CDX PLYWOOD SHEATHING IN LIEU OF DENSGLASS SHEATHING WHERE APPLICABLE AT SIGN LOCATIONS. RUN ALL CONDUIT TIGHT TO ROOF STRUCTURE. SEAL ALL WALL PENETRATIONS
- 10.11 TENANT ADDRESS/SPACE NUMBER. PROVIDE MIN. 6" HIGH NUMBERS (IN CONTRASTING COLOR TO BACKGROUND) SO THAT NUMBERS ARE PLAINLY VISIBLE FROM THE STREET
- 10.12 FUTURE PRECAST CONCRETE FOUNDATION PER TENANT PLANS. REFER TO GENERAL CONTRACTOR TO LOCATE AND INSTALL CONCRETE FOUNDATION AND CONDUIT PER TENANT PLANS. REFER TO ELECTRICAL DRAWINGS AND FINAL TENANT PLANS FOR REQUIREMENTS
- 10.13 FUTURE SPEAKER POST, FURNISHED AND INSTALLED BY TENANT. GENERAL CONTRACTOR TO LOCATE AND INSTALL CONCRETE FOUNDATION AND CONDUIT PER TENANT PLANS. REFER TO ELECTRICAL DRAWINGS AND FINAL TENANT PLANS FOR REQUIREMENTS
- 10.14 FUTURE MENU BOARD, FURNISHED AND INSTALLED BY TENANT. GENERAL CONTRACTOR TO LOCATE AND INSTALL CONCRETE FOUNDATION AND CONDUIT PER TENANT PLANS. REFER TO ELECTRICAL DRAWINGS AND FINAL TENANT PLANS FOR REQUIREMENTS
- 10.15 FUTURE ORDERING CANOPY, DIGITAL ORDER SCREEN AND DIGITAL CONTROL BOX FURNISHED AND INSTALLED BY TENANT. GENERAL CONTRACTOR TO LOCATE AND INSTALL CONCRETE FOUNDATION AND CONDUIT PER TENANT PLANS. REFER TO ELECTRICAL DRAWINGS AND FINAL TENANT PLANS FOR REQUIREMENTS
- 10.17 FUTURE HEIGHT RESTRICTION BAR, FURNISHED AND INSTALLED BY TENANT. GENERAL CONTRACTOR TO LOCATE AND INSTALL CONCRETE FOUNDATION PER TENANT PLANS. REFER TO ELECTRICAL DRAWINGS AND FINAL TENANT PLANS FOR REQUIREMENTS
- 10.18 TRAFFIC DETECTOR LOOP, FURNISHED BY TENANT AND INSTALLED BY GC. GENERAL CONTRACTOR TO LOCATE AND INSTALL CONDUIT PER TENANT PLANS. REFER TO ELECTRICAL DRAWINGS AND FINAL TENANT PLANS FOR REQUIREMENTS
- 10.19 FUTURE ILLUMINATED DIRECTIONAL SIGN, FURNISHED AND INSTALLED BY TENANT. GENERAL CONTRACTOR TO LOCATE AND INSTALL CONCRETE FOUNDATION AND CONDUIT PER TENANT PLANS. REFER TO ELECTRICAL DRAWINGS AND FINAL TENANT PLANS FOR REQUIREMENTS
- 10.60 KNOX BOX, RECESS MOUNTED. COORDINATE EXACT MODEL AND MOUNTING LOCATION WITH FIRE MARSHAL
- 10.50 FIRE EXTINGUISHER, 5LB 2A-10B-C ON SURFACE MOUNTED WALL BRACKET

## DIVISION 11 - EQUIPMENT

- 11.01 DUMPSTER ENCLOSURE, SEE CIVIL DRAWINGS AND DETAILS ON SHEET AS.2

## DIVISION 13 - SPECIAL CONSTRUCTION

- 13.01 NEOPRENE COMPRESSIBLE GASKET BETWEEN AWNING FRAME AND WALL PROVIDED AND INSTALLED BY AWNING INSTALLER
- 13.20 ALUMINUM FRAMED AWNING WITH FABRIC COVERING. SEE DETAILS ON SHEET A1.3 AND EXTERIOR FINISH SCHEDULE
- 13.21 PRE-ENGINEERED, COLUMN SUPPORTED ALUMINUM CANOPY, PREFINISHED. SEE DETAILS ON SHEET A1.3
- 13.22 PRE-ENGINEERED, SUSPENDED ALUMINUM CANOPY, PREFINISHED. SEE DETAILS ON SHEET A1.3
- 13.25 PRE-ENGINEERED CANOPY COLUMN, PREFINISHED. SEE DETAILS ON SHEET A1.3
- 13.30 ALUMINUM TUBE AWNING FRAME, 1 1/2" X 1 1/2". REFER TO DETAIL ON SHEET A1.3 AND EXTERIOR FINISH SCHEDULE
- 13.31 PROVIDE WELDED ALUMINUM CAP PLATE AT ENDS OF ALL ALUMINUM TUBE COMPONENTS
- 13.32 AWNING FASTENERS SHALL BE SPECIFIED IN THE AWNING FABRICATOR'S ENGINEERED SHOP DRAWINGS. SEE NOTES AND DETAILS ON SHEET A1.3
- 13.34 ALUMINUM TUBE AWNING FRAME, 1 1/2" X 3". REFER TO DETAILS ON SHEET A1.3 AND EXTERIOR FINISH SCHEDULE
- 13.40 PAPERSTONE (GRAPHITE) DRIVE THROUGH WINDOW SHELVE AND STAINLESS STEEL SUPPORT BRACKETS, INSTALL, CENTERED ON WINDOW. SHELVE BRACKETS TO BE SUPPLIED BY READY ACCESS WINDOW MANUFACTURED AND INSTALLED BY GENERAL CONTRACTOR
- 13.50 ALUMINUM FRAMED AWNING WITH STANDING SEAM ROOFING. SEE DETAILS ON SHEET A1.3 AND EXTERIOR FINISH SCHEDULE

## DIVISION 15 - MECHANICAL

- DIVISION 15 - MECHANICAL

  - 15.10 ROOF DRAIN (VTR) - REFER TO ROOF PLAN, MECHANICAL AND STRUCTURAL DRAWINGS. REFER TO CURB DETAIL ON SHEET A12A. ALL RTU'S TO BE LOCATED 10'-0" MINIMUM FROM PARAPET WALLS. COORDINATE RTU LOCATIONS WITH ROOF FRAMING PLAN (EXACT LOCATIONS MAY BE SHIFTED TO ALIGN WITH ROOF FRAMING LAYOUT)
  - 15.13 ROOF MOUNTED STAND/RACK FOR CONDENSING UNIT, REFER TO DETAIL ON SHEET A12A AND TO STRUCTURAL AND MECHANICAL DRAWINGS
  - 15.41 GREASE INTERCEPTOR, REFER TO CIVIL AND PLUMBING DRAWINGS
  - 15.50 VENT THRU ROOF (VTR), REFER TO PLUMBING DRAWINGS AND DETAIL ON SHEET A12A. LOCATE VTR SO 15'-0" MINIMUM FROM RTU FRESH AIR INTAKES. COORDINATE IN FIELD
  - 15.51 FRESH AIR INTAKE (FAI), REFER TO MECHANICAL DRAWINGS
  - 15.64 PROVIDE RECESSED, FROST-FREE HOSE BIBB IN KEYED BOX. REFER TO PLUMBING DRAWINGS. VERIFY LOCATION WITH STARBUCKS REPRESENTATIVE PRIOR TO ROUGH-IN

## DIVISION 16 - ELECTRICAL

- 16.02 PROVIDE JUNCTION BOX FOR CEILING FAN TO BE PROVIDED BY TENANT, REFER TO ELECTRICAL DRAWINGS  
16.10 LOCATION OF ELECTRIC SERVICE AND HOUSE PANEL. REFER TO ELECTRICAL DRAWINGS. WHERE  
APPLICABLE, PROVIDE 5/8" CDX PLYWOOD SHEATHING IN LIEU OF DENSGLASS SHEATHING. PAINT ALL  
EQUIPMENT AND CONDUIT TO MATCH ADJACENT WALL COLOR  
16.20 ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS. WHERE APPLICABLE, CONFIRM PLACEMENT WITH  
TENANT  
16.30 WALL PACK LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS  
16.31 DECORATIVE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS  
16.32 RECESS MOUNTED EXTERIOR DOWN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS  
16.33 EMERGENCY LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS  
16.34 EXIT SIGN / EMERGENCY LIGHT COMBINATION FIXTURE, REFER TO ELECTRICAL DRAWINGS  
16.50 POLE MOUNTED SITE LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS. COORDINATE INSTALLATION  
WITH CIVIL DRAWINGS



3336 Grand Blvd. Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF  
THE ARCHITECTS AND ENGINEERS, PLANS  
AND SPECIFICATIONS COMPLY WITH THE  
APPLICABLE MINIMUM BUILDING CODES  
AND THE APPLICABLE MINIMUM FIRE  
SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

no.	date	revision descriptions

**STARBUCKS**  
**SHELL CONSTRUCTION**

---

BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date  
22032  
comm. no.

KEYNOTE  
SCHEDULE

A0.3



## 1 BIKE RACK SPECIFICATIONS

ALUMINUM DOWNSPOUT, SEE ROOF PLAN FOR SIZE

CAST IRON DOWNSPOUT BOOT

FACTORY CLEANOUT

WALL ATTACHMENT FLANGE

FINISH GRADE

COMPACTED FILL

FLEXIBLE COUPLING

PVC STORM PIPE BY SITE CONTRACTOR

ISOMETRIC

NOTES:

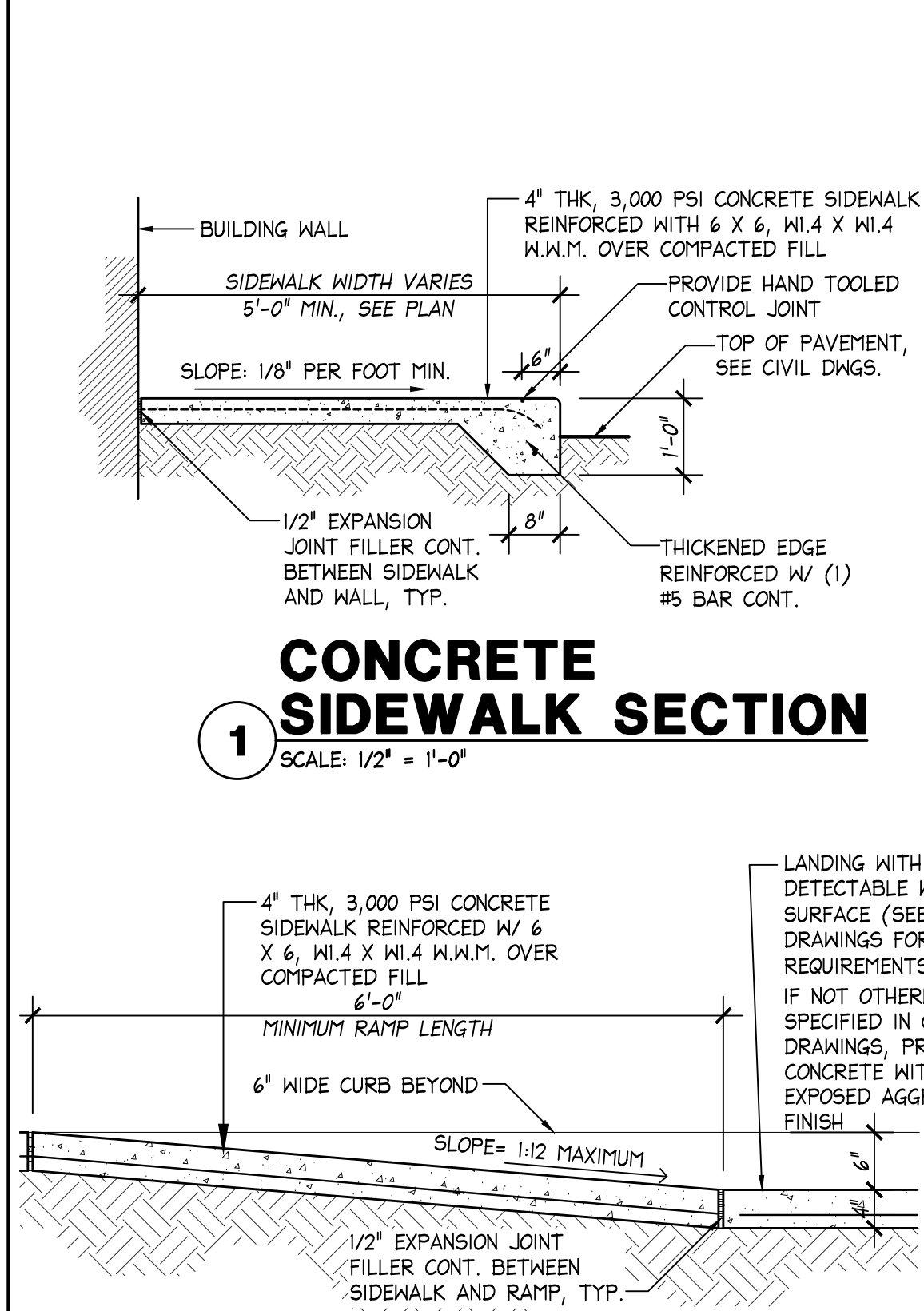
- DOWNSPOUT BOOT BASED ON J.R. HOE AND SONS A-SERIES X 36" MIN. LENGTH
- BUILDING CONTRACTOR TO COORDINATE AND CONFIRM PIPE TO PIPE SIZES
- TRANSITION TO SITE PIPE TO BE UNDER ADJACENT SIDEWALK OR FINISH GRADE. COORDINATE EXACT DEPTH FIELD
- ORDER FACTORY PRIMED AND FIELD PAINT TO MATCH DOWNSPOUT

BY SITE CONTRACTOR

Technical drawing of a privacy screen assembly. The drawing shows a side view of the assembly with the following dimensions and components:

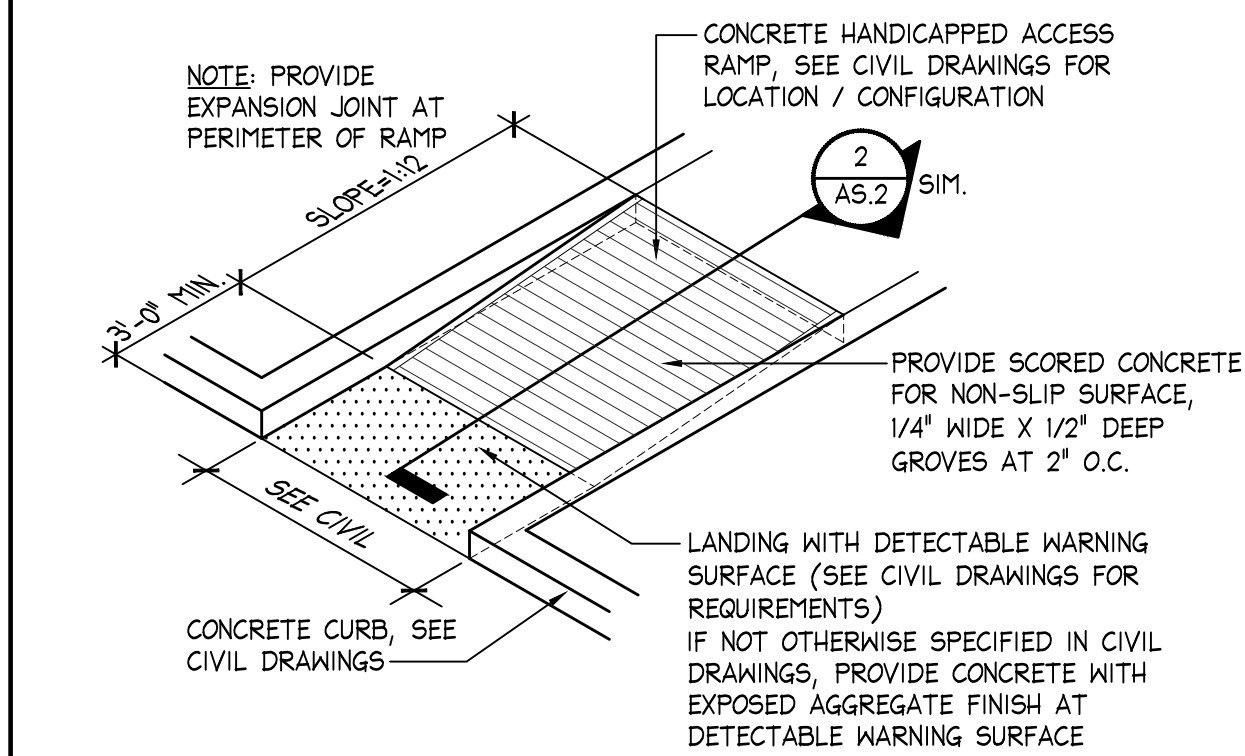
- Overall height: 10'-0"
- Height of the screen slats: 9'-6"
- Height of the base: 6'-0"
- Height of the base (alternative dimension): 6'-4 1/2" MAX.
- Slat spacing: 3/4" GAPS
- Slats: 4" X 1/2" PREFINISHED ALUMINUM SLATS SET IN F CHANNEL FRAMES (HTL-1)
- Post: 4" X 4" PREFINISHED ALUMINUM POST WITH CAP (HTL-1)

### 3 PRIVACY SCREEN DETAIL

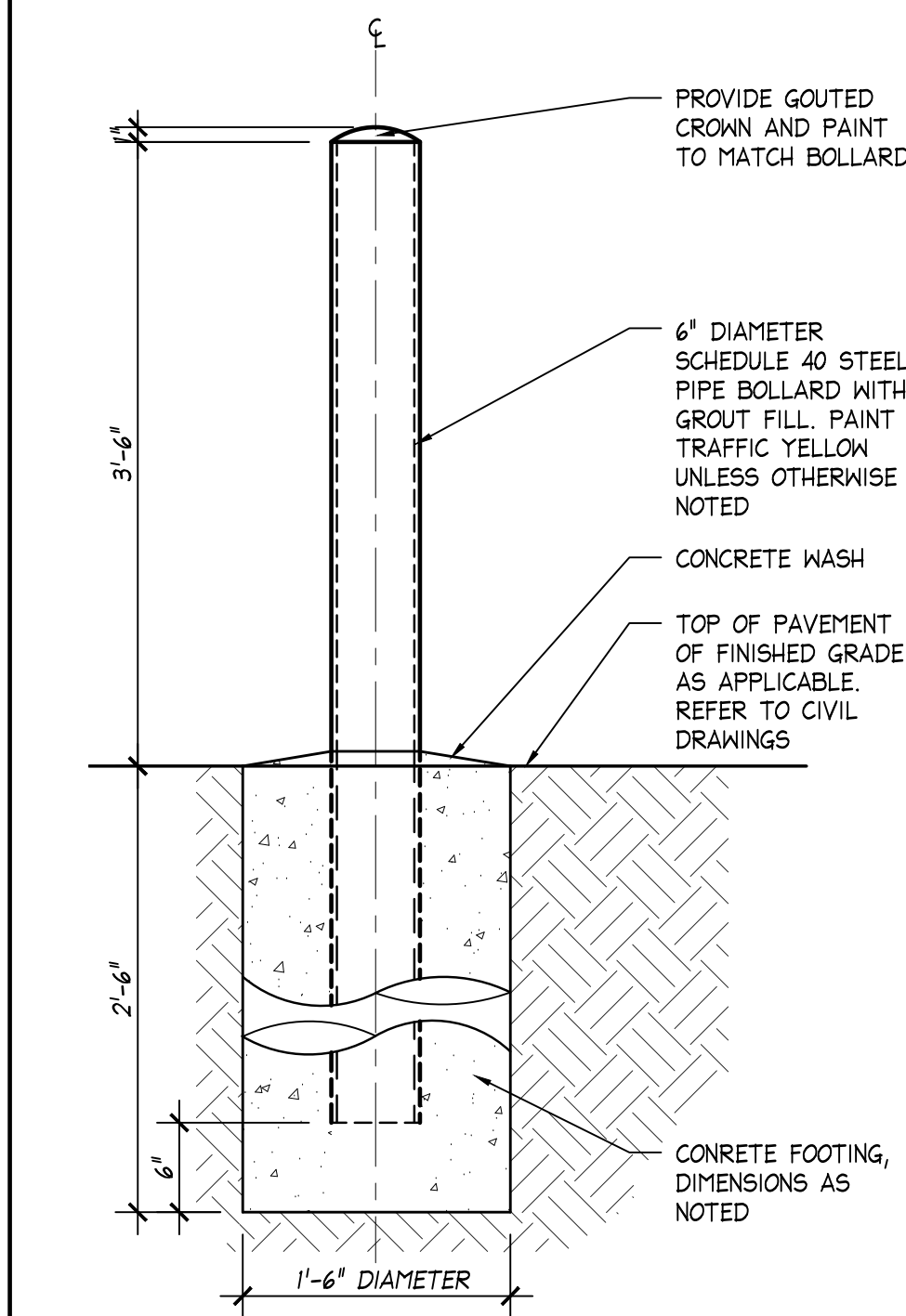


**1 CONCRETE SIDEWALK SECTION**  
SCALE: 1/2" = 1'-0"

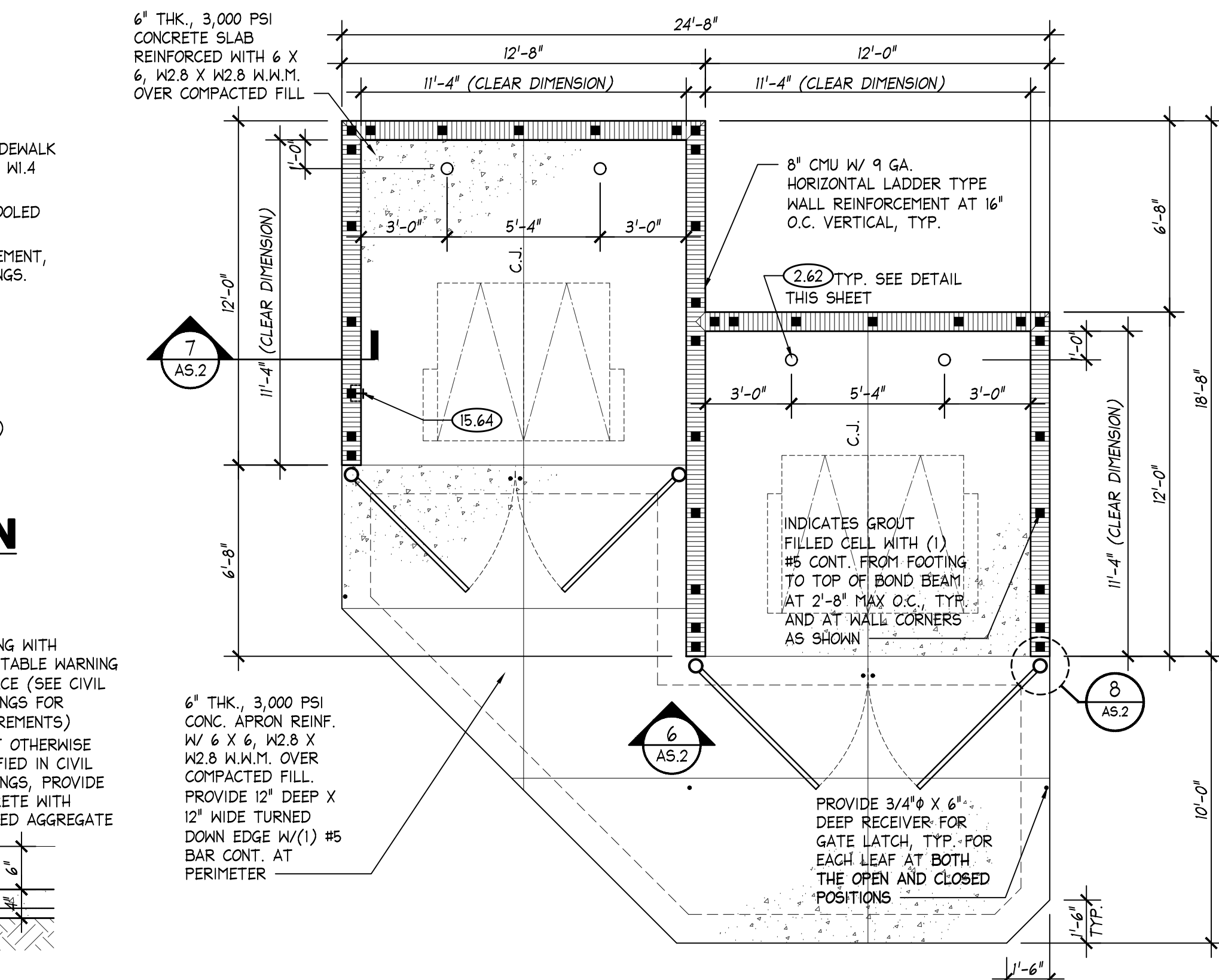
**2 HANDICAP RAMP SECTION**  
SCALE: 3/4" = 1'-0"



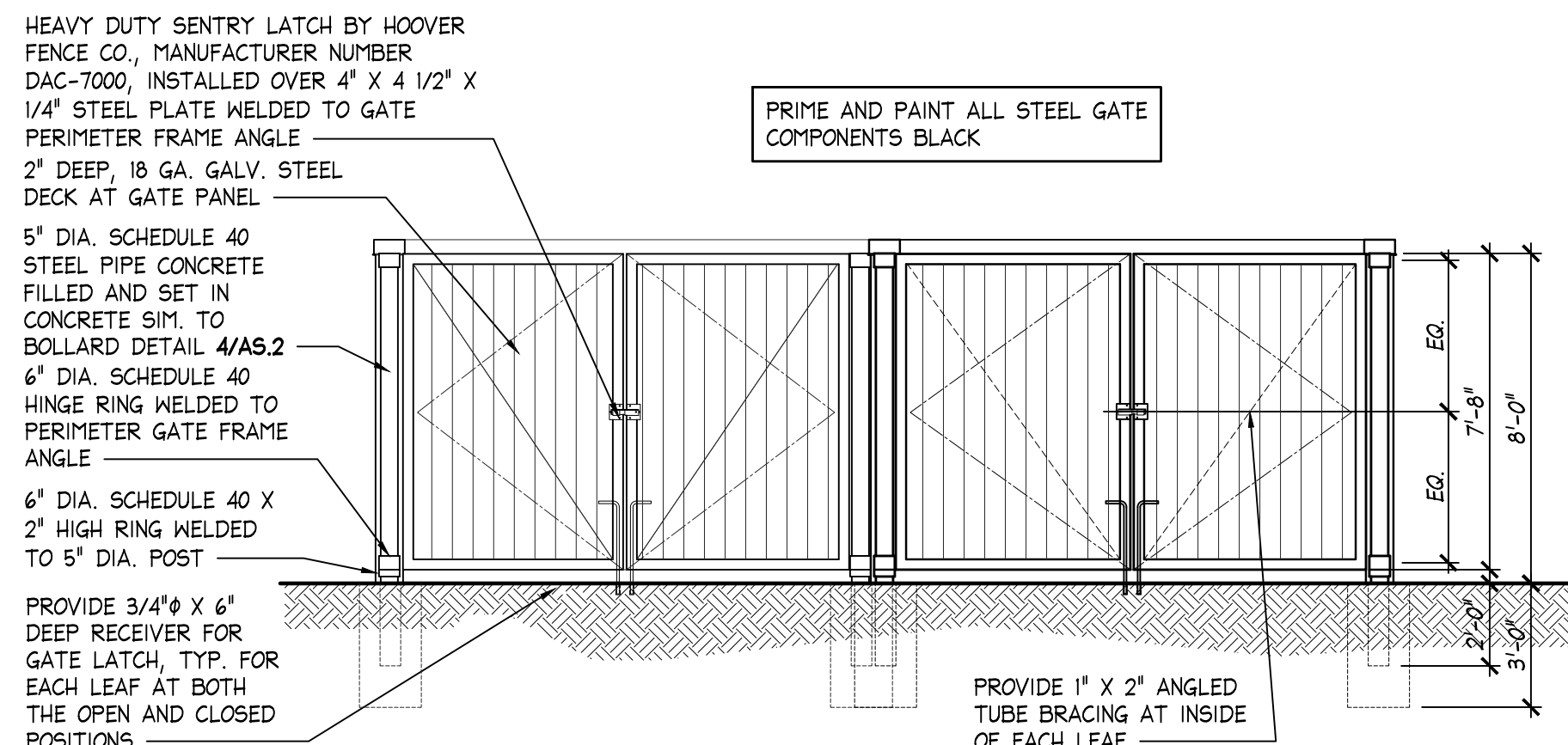
**3 HANDICAP RAMP SECTION**  
NOT TO SCALE



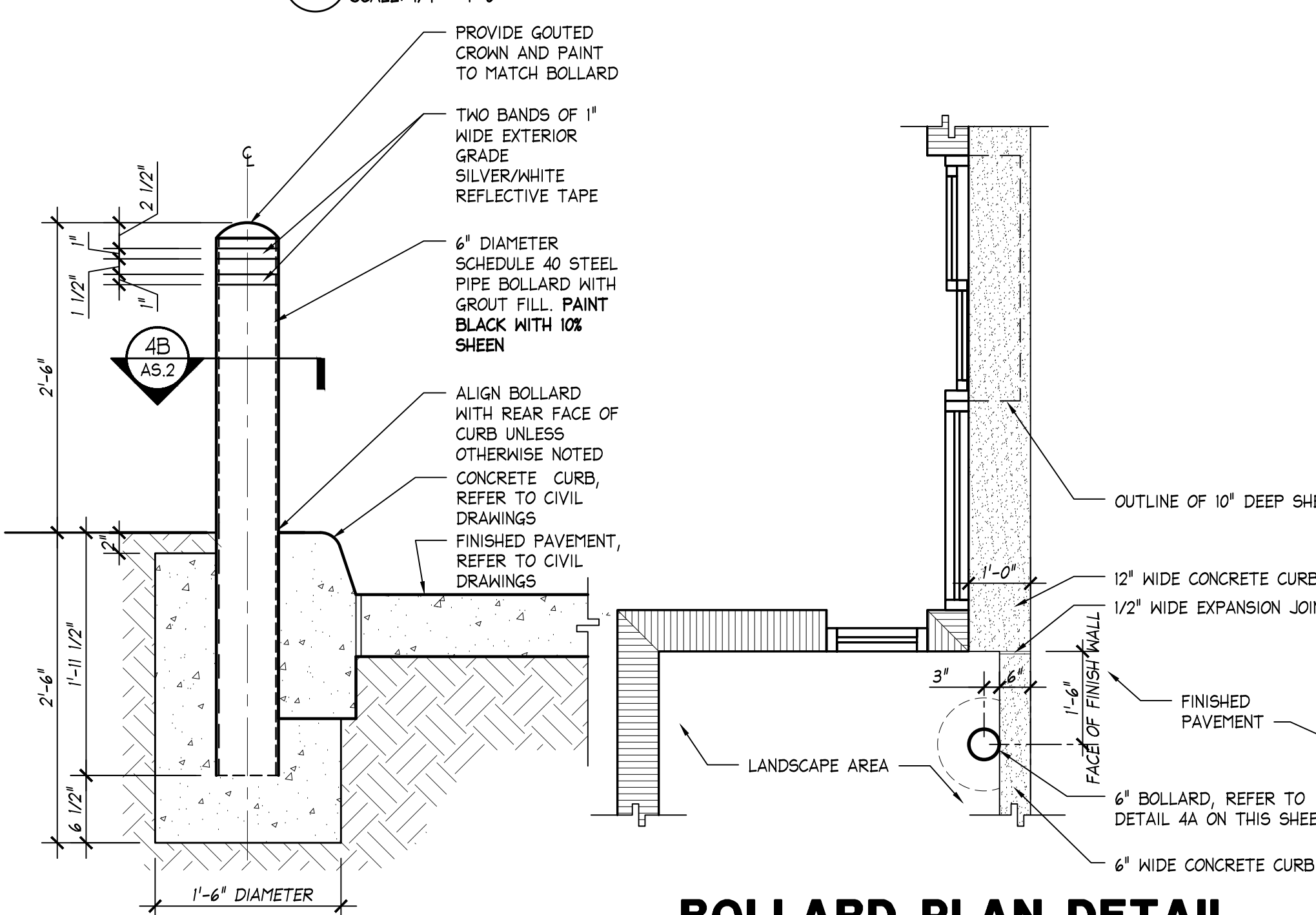
**4 BOLLARD DETAIL**  
SCALE: 1" = 1'-0"



**5 DUMPSTER ENCLOSURE PLAN**  
SCALE: 1/4" = 1'-0"

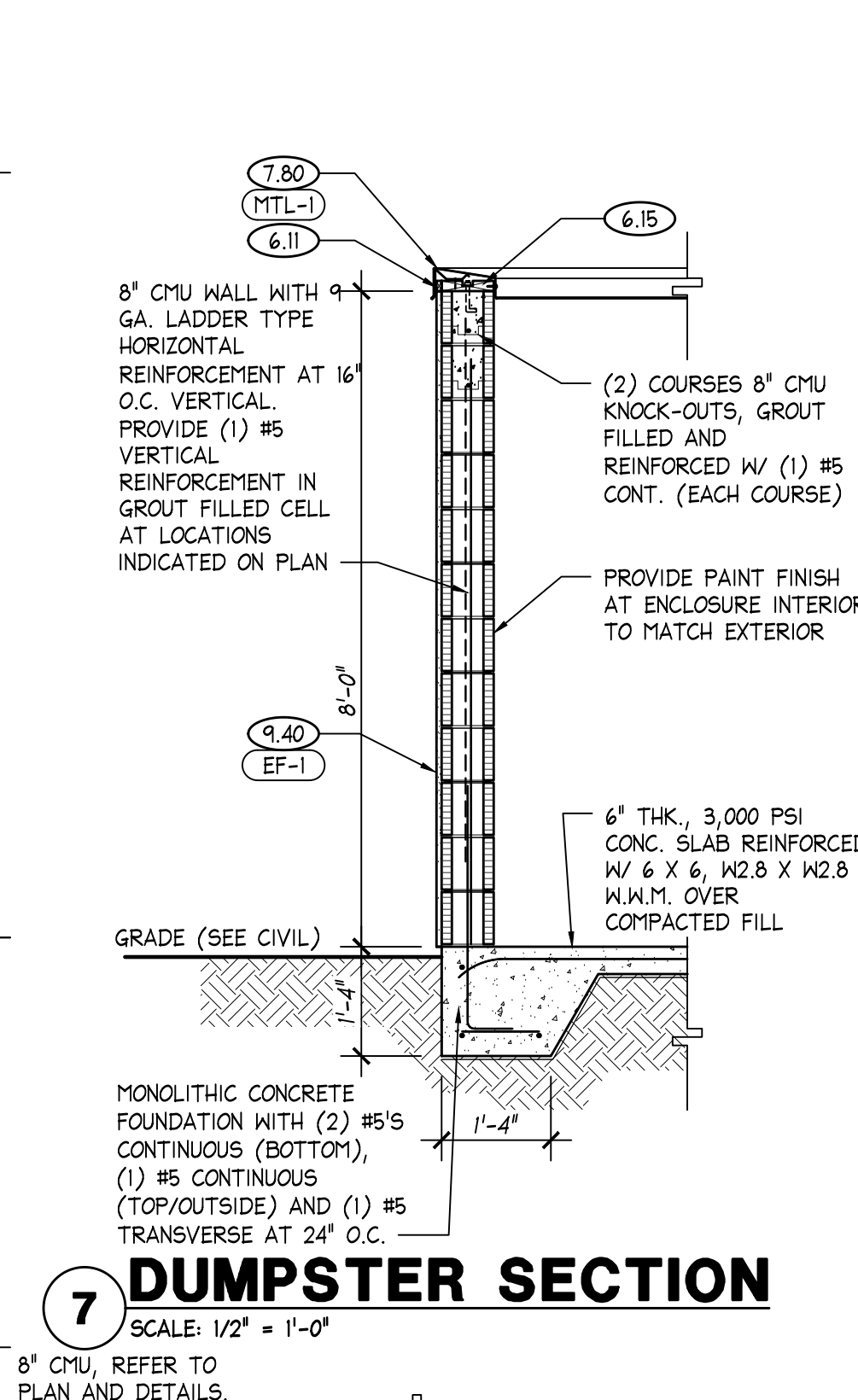


**6 DUMPSTER ELEVATION**  
SCALE: 1/4" = 1'-0"

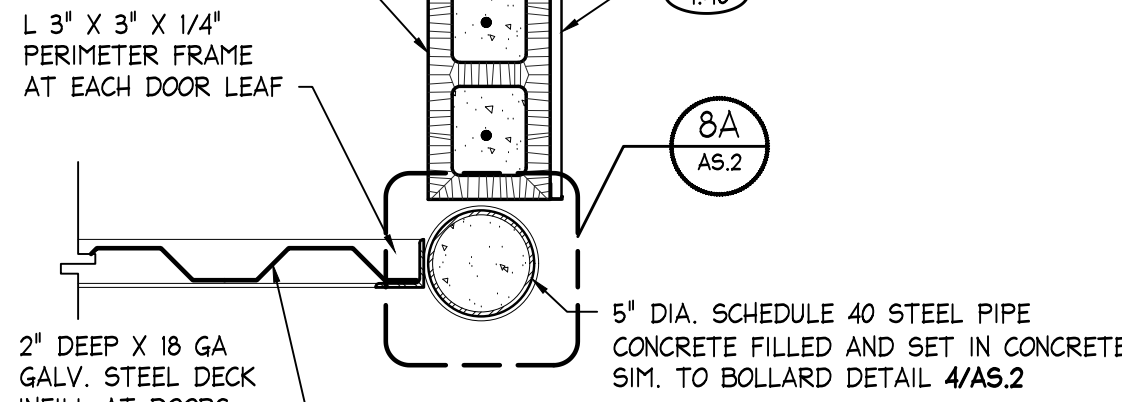


**4A BOLLARD DETAIL**  
SCALE: 1" = 1'-0"

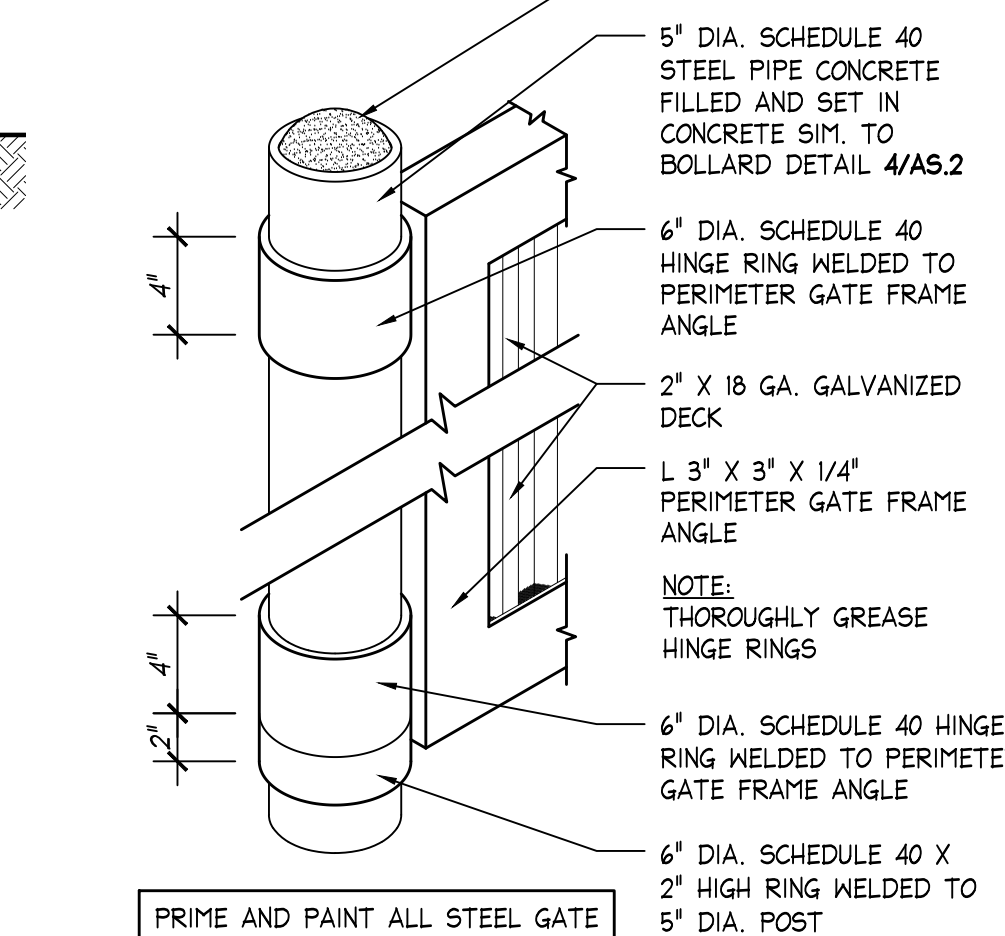
**4B BOLLARD PLAN DETAIL AT DRIVE-THRU WINDOW**  
SCALE: 1/2" = 1'-0"



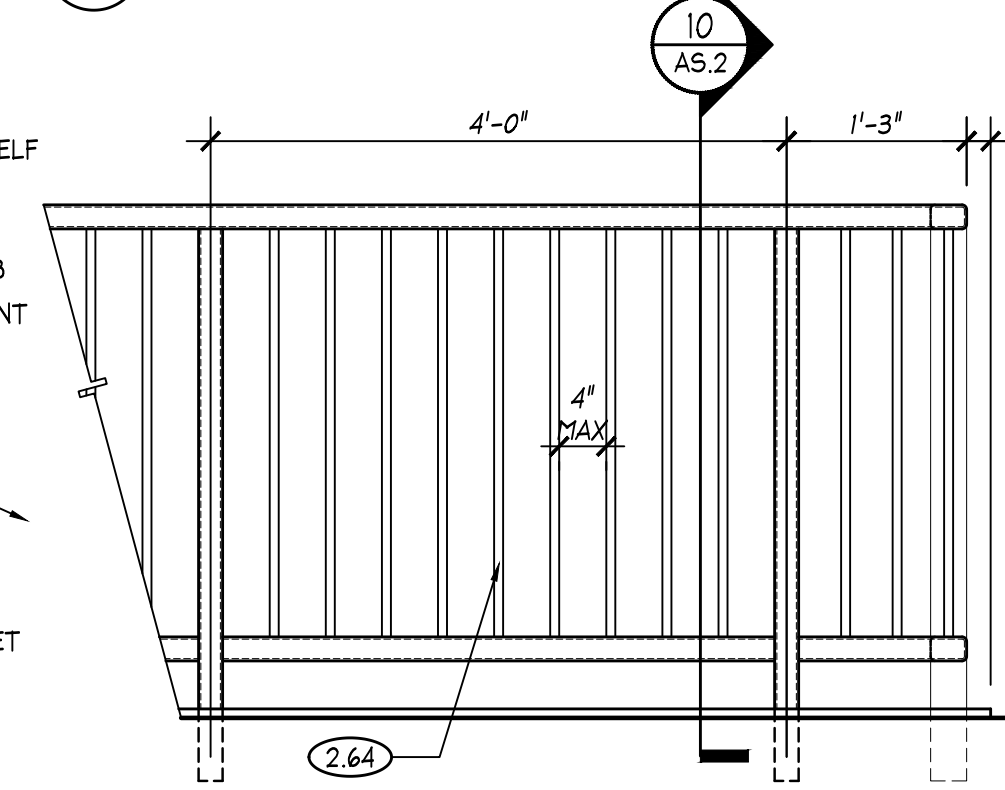
**7 DUMPSTER SECTION**  
SCALE: 1/2" = 1'-0"



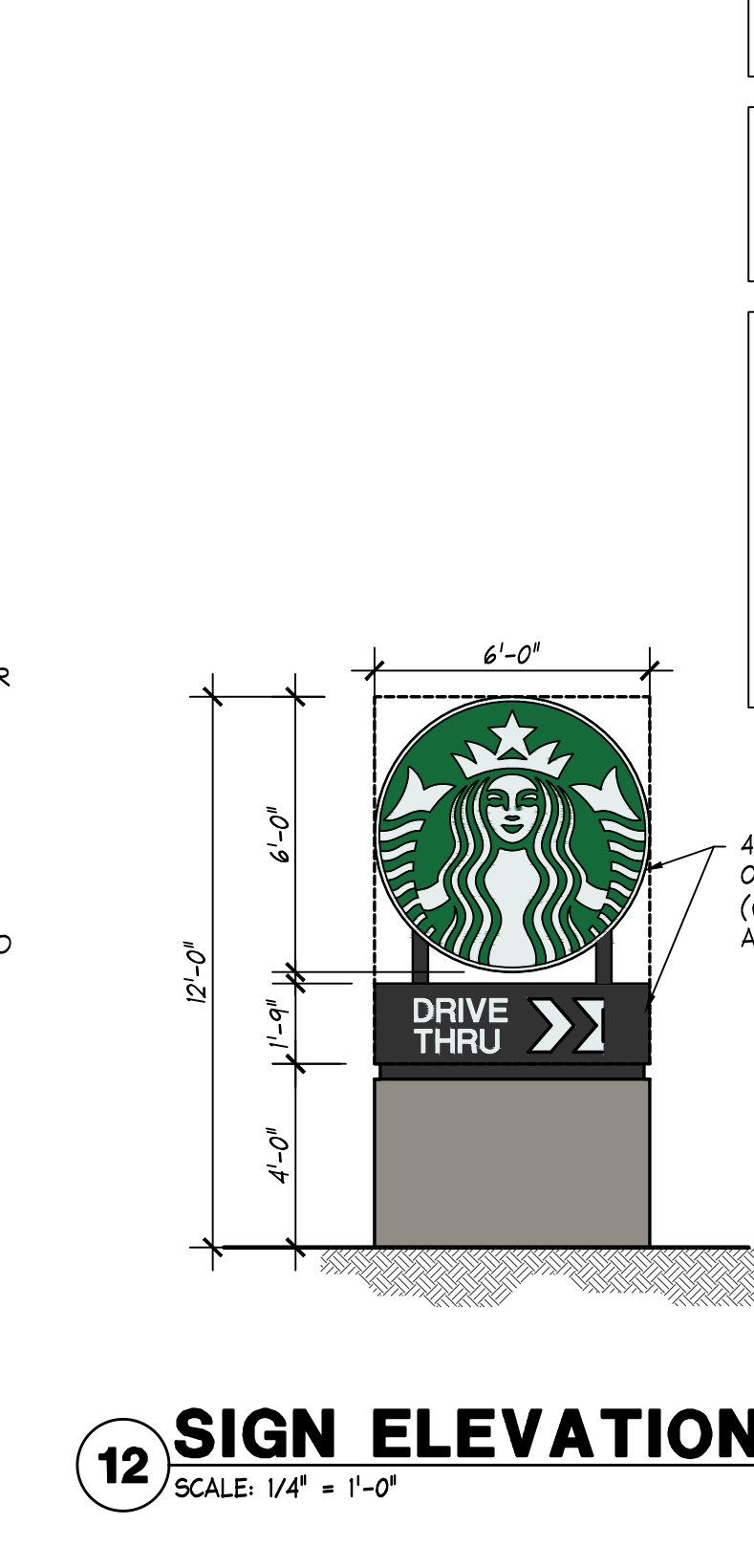
**8 GATE POST DETAIL**  
SCALE: 1" = 1'-0"



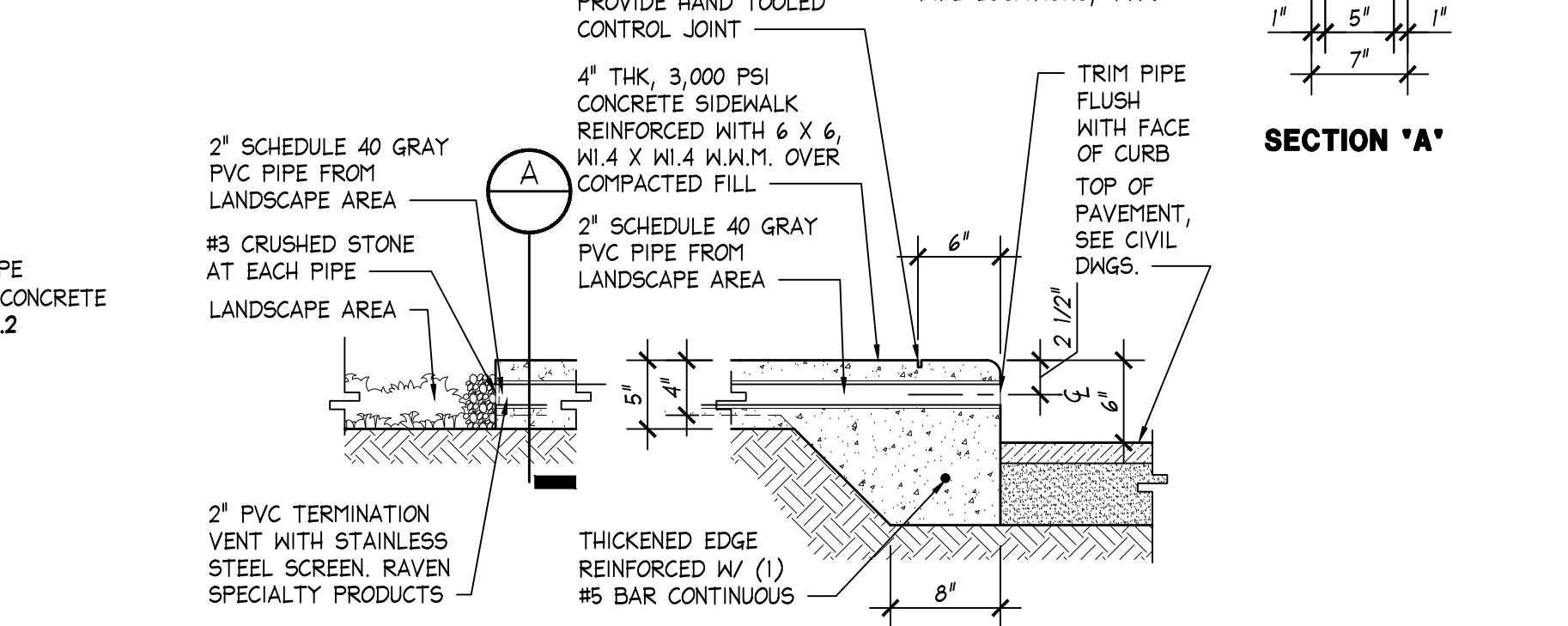
**8A GATE POST ISOMETRIC DETAIL**  
SCALE: 1/2" = 1'-0"



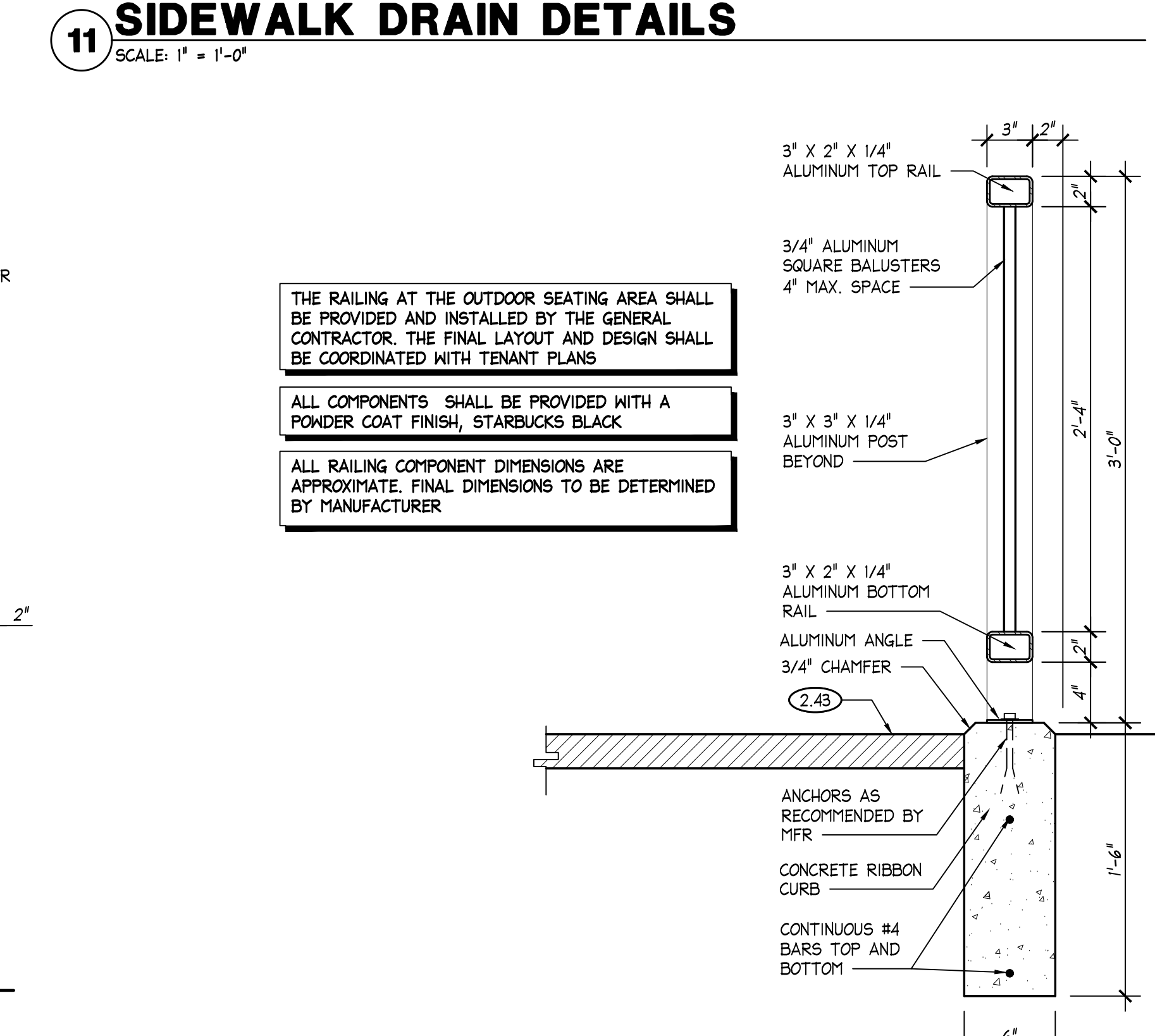
**9 RAILING ELEVATION**  
SCALE: 3/4" = 1'-0"



**12 SIGN ELEVATION**  
SCALE: 1/4" = 1'-0"



**11 SIDEWALK DRAIN DETAILS**  
SCALE: 1" = 1'-0"



**10 RAILING SECTION**  
SCALE: 1 1/2" = 1'-0"

REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.

GROUND SIGN RESPONSIBILITIES:

THE SHELL GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING ITEMS REGARDING THE GROUND SIGN(S):

- 1) POWER SUPPLY TO THE SIGN AS SPECIFIED IN THE ELECTRICAL DRAWINGS
- 2) THE GROUND SIGN CABINETS (INTERNALLY ILLUMINATED) SHALL BE PERMITTED AND CONSTRUCTED BY A SIGN COMPANY ENGAGED BY THE LANDLORD. GC SHALL LOCATE AND INSTALL CONCRETE FOUNDATION AS SHOWN ON SIGN VENDOR'S PERMIT DRAWINGS

no.	date	revision descriptions
1		

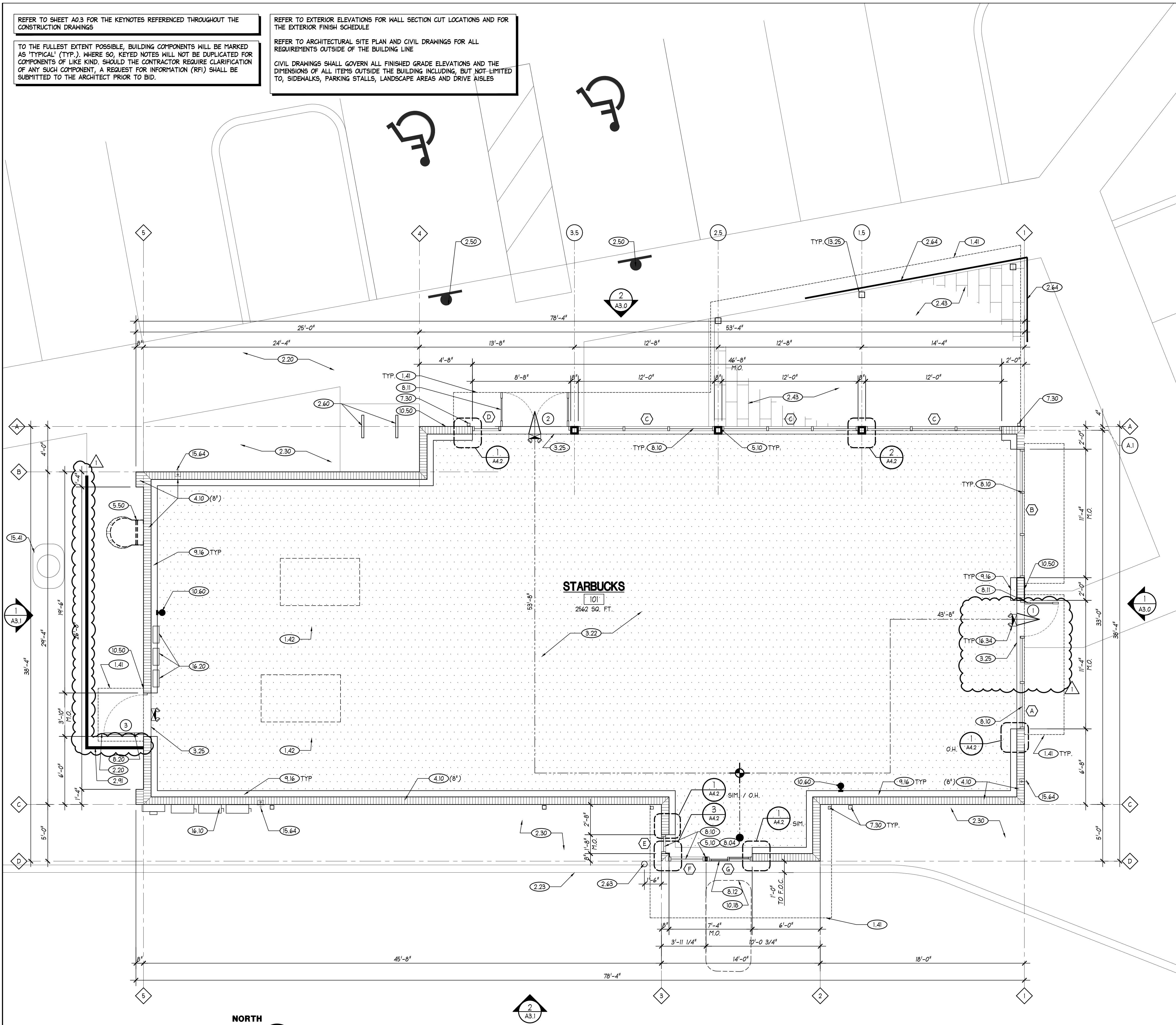
REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.

REFER TO EXTERIOR ELEVATIONS FOR WALL SECTION CUT LOCATIONS AND FOR THE EXTERIOR FINISH SCHEDULE

REFER TO ARCHITECTURAL SITE PLAN AND CIVIL DRAWINGS FOR ALL REQUIREMENTS OUTSIDE OF THE BUILDING LINE

CIVIL DRAWINGS SHALL GOVERN ALL FINISHED GRADE ELEVATIONS AND THE DIMENSIONS OF ALL ITEMS OUTSIDE THE BUILDING INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, PARKING STALLS, LANDSCAPE AREAS AND DRIVE AISLES



## GENERAL NOTES

- ALL DIMENSIONS ARE TO FINISHED FACE OF GNB PARTITIONS, FACE OF CPU AND CENTERLINE OF COLUMNS UNLESS OTHERWISE INDICATED
- SITE RELATED WORK FOR STARBUCKS:  
  
AT THE BUILDING EXTERIOR, THE GC SHALL BE RESPONSIBLE FOR ALL SUB-GRADE ELECTRICAL CONDUIT AND FOUNDATIONS FOR STARBUCKS SITE ITEMS INCLUDING, BUT NOT LIMITED TO, DIRECTIONAL SIGNAGE, MENU-BOARDS, DETECTOR LOOP, BOLLARDS AND HEIGHT RESTRICTION BAR. REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC REQUIREMENTS FOR CONDUIT RUNS  
  
THE GC SHALL OBTAIN A COMPLETE AND CURRENT SET OF STARBUCKS INTERIOR FINISH-OUT PLANS. THOSE DOCUMENTS SHALL GOVERN WHEN DETERMINING PRECISE LOCATIONS FOR STARBUCKS SITE ITEMS AND SPECIFICATIONS FOR THEIR FOUNDATIONS. DIMENSIONS REQUIRED TO LOCATE THESE ITEMS HAVE BEEN INTENTIONALLY OMITTED IN THESE CONSTRUCTION DOCUMENTS TO AVOID POTENTIAL CONFLICTS WITH STARBUCKS CONSTRUCTION DOCUMENTS  
  
3. GYPSUM WALLBOARD (GWB) FOR STARBUCKS:  
  
WHERE INDICATED AT THE STARBUCKS TENANT SPACE, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF 5/8" TYPE 'X' GYPSUM WALLBOARD OVER 6" 20 GA. METAL STUD FURRING AT 16" O.C. WITH BATT INSULATION AT THE CAVITY. SAID CONSTRUCTION SHALL BE PROVIDED AT THE INTERIOR PERIMETER OF THE EXTERIOR WALLS, U.O.N. AND SHALL EXTEND FULL HEIGHT TO ROOF DECK. ALL GWB SURFACES SHALL BE FINISHED TO A LEVEL 4 FINISH, PRIMED WHITE AND READY TO RECEIVE PAINT FINISH BY TENANT  
  
THE GENERAL CONTRACTOR SHALL COORDINATE INSTALLATION OF GWB WITH STARBUCKS TENANT FINISH-OUT CONTRACTOR AND THEIR ROUGH-IN OF ELECTRICAL AND PLUMBING

## WALL LEGEND

8" CMU WALL CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT AND FILLED CELL LOCATIONS. AT INTERIOR, PROVIDE 20 GA. METAL STUD FURRING AT 16" O.C. WITH BATT INSULATION AT CAVITY AND 5/8" TYPE 'X' GWB. ALL FULL HEIGHT TO ROOF DECK. GENERAL CONTRACTOR SHALL COORDINATE INSTALLATION OF GWB WITH TENANT'S ROUGH-IN. SEE ADDITIONAL NOTES THIS SHEET

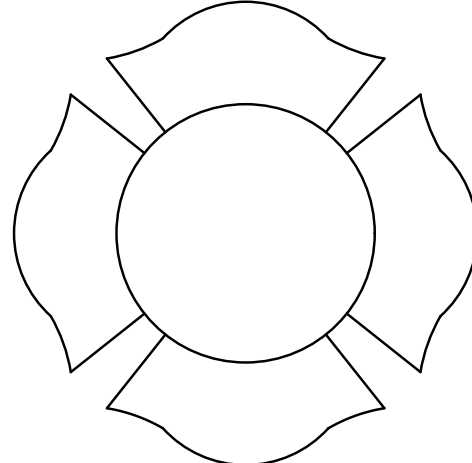
## LIFE SAFETY LEGEND

- MOST REMOTE POINT IN SPACE
- PATH OF EGRESS TRAVEL
- POINT OF EGRESS TRAVEL DISTANCE
- POINT OF EXIT CHOICE
- FIRE EXTINGUISHER, 5LB 2A-10B-C ON SURFACE MOUNTED WALL BRACKET
- EXIT SIGN / EMERGENCY LIGHT COMBINATION FIXTURE, REFER TO ELECTRICAL DRAWINGS
- DOOR SYMBOL, REFER TO SHEET A4.0 FOR DOOR AND HARDWARE SCHEDULE

## LIGHTWEIGHT TRUSS SIGNAGE

F.A.C. 69A-60.0081 NOTICE REQUIRED FOR STRUCTURES WITH LIGHT-FRAME TRUSS-TYPE CONSTRUCTION

NOTE: THIS BUILDING **DOES NOT** CONTAIN PRIMARY STRUCTURAL ELEMENTS WHICH ARE OF LIGHT-FRAME TRUSS-TYPE CONSTRUCTION



3336 Grand Blvd, Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

REVISED PER BUILDING PERMIT COMMENTS & TENANT COORD.	no.	date	revision descriptions
10.17.2023	1		

**STARBUCKS**  
**SHELL CONSTRUCTION**  
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

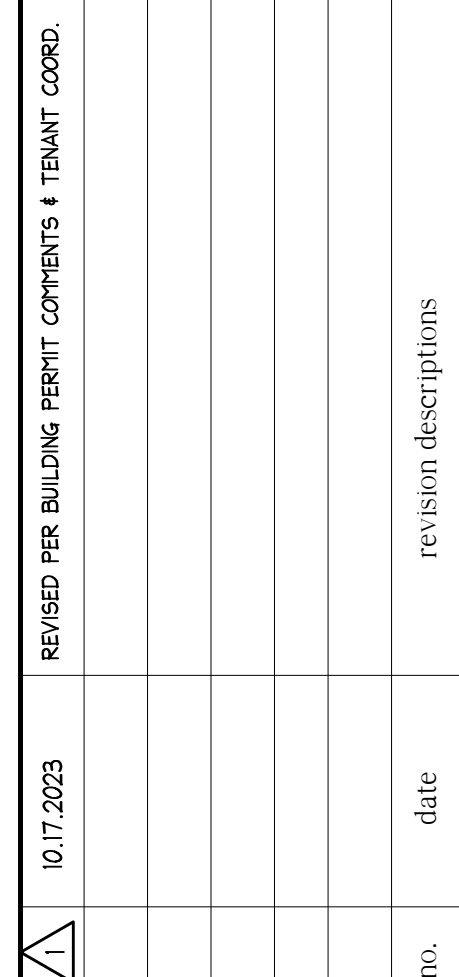
22032  
comm. no.

FLOOR PLAN  
AND NOTES

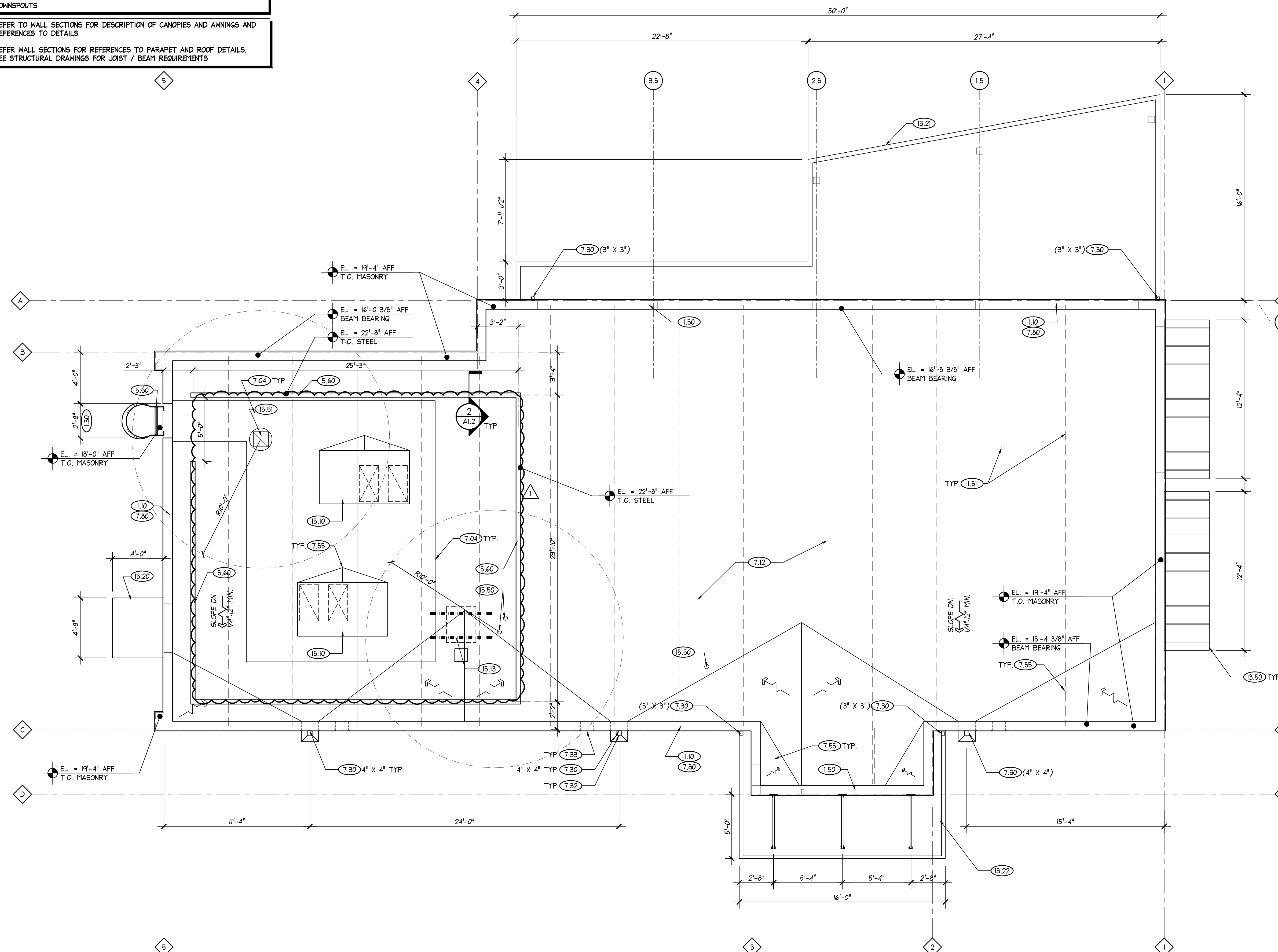
A1.0

REFER WALL SECTIONS FOR REFERENCES TO PARAPET AND ROOF DETAILS.  
SEE STRUCTURAL DRAWINGS FOR JOIST / BEAM REQUIREMENTS

THE STATED VERTICAL CONDUCTORS AND ROOF DRAINS ARE ALL WITHIN ALLOWABLE LIMITS FOR AREA SERVED BASED ON RAINFALL RATES FOR THIS REGION



## A1.1



## ROOF DRAINAGE PLAN

# ROOF PLAN

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



REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.



3336 Grand Blvd, Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

revision descriptions				date	no.
1					

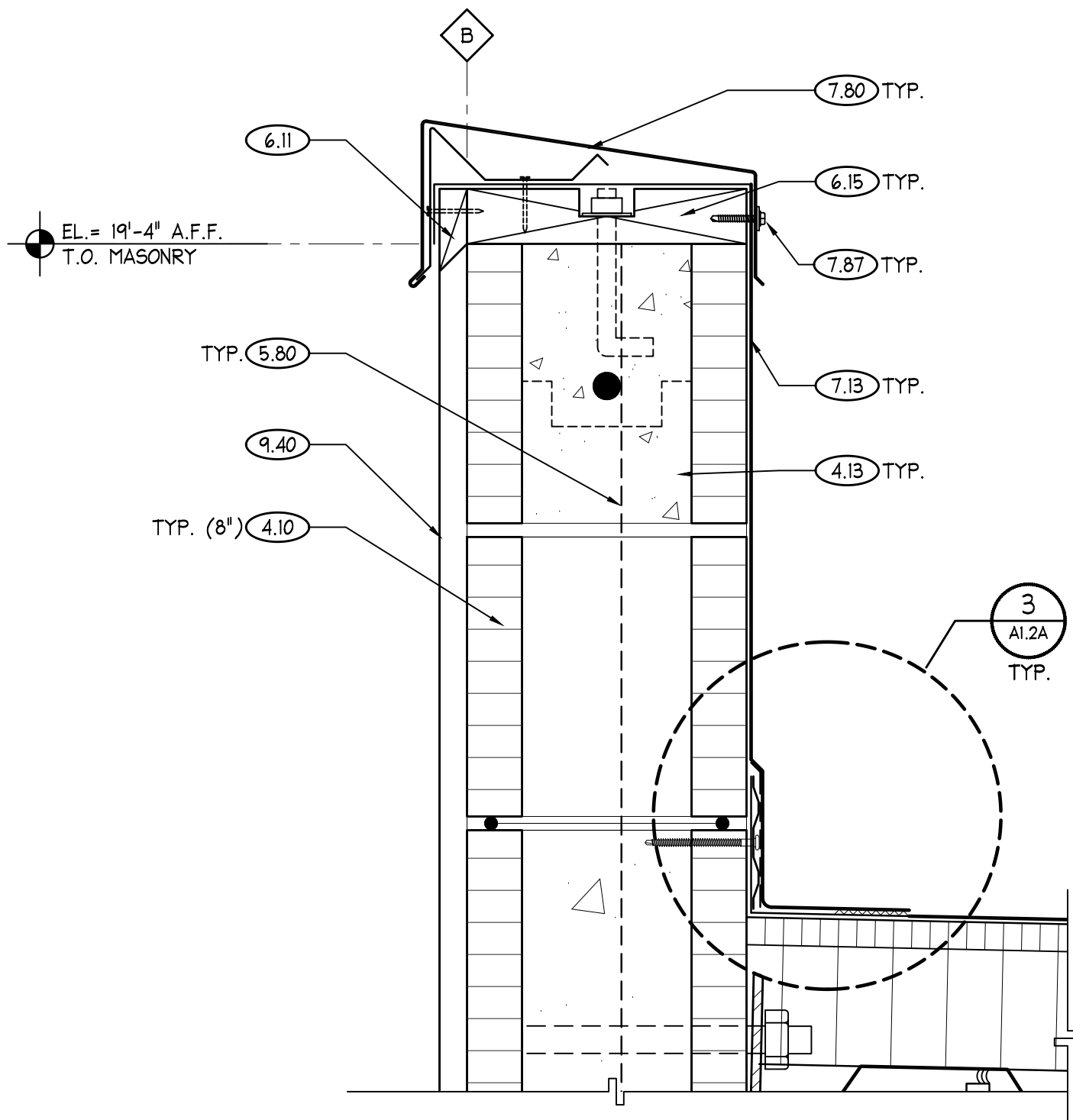
**STARBUCKS**  
**SHELL CONSTRUCTION**  
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

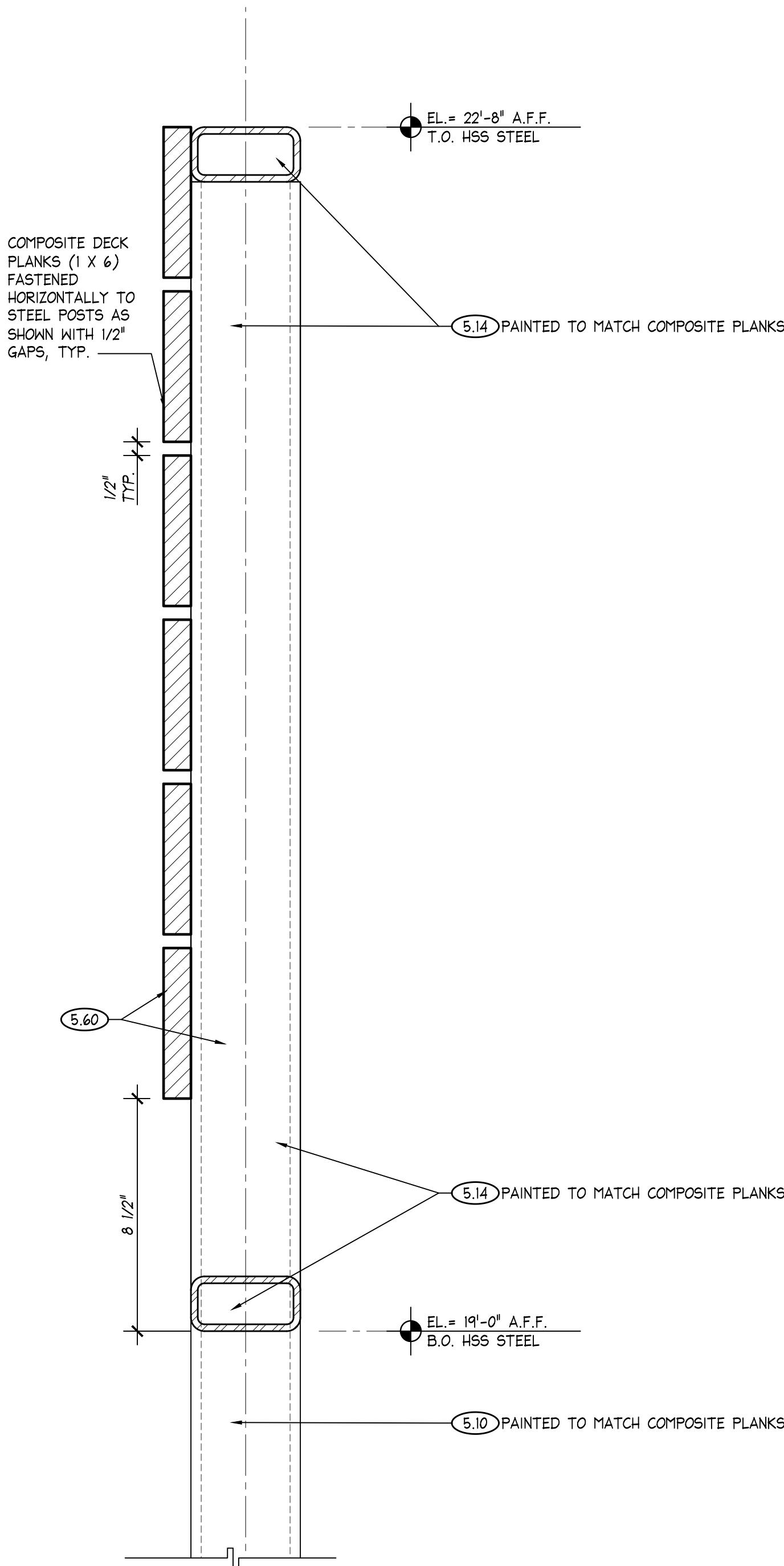
22032  
comm. no.

ROOF  
DETAILS

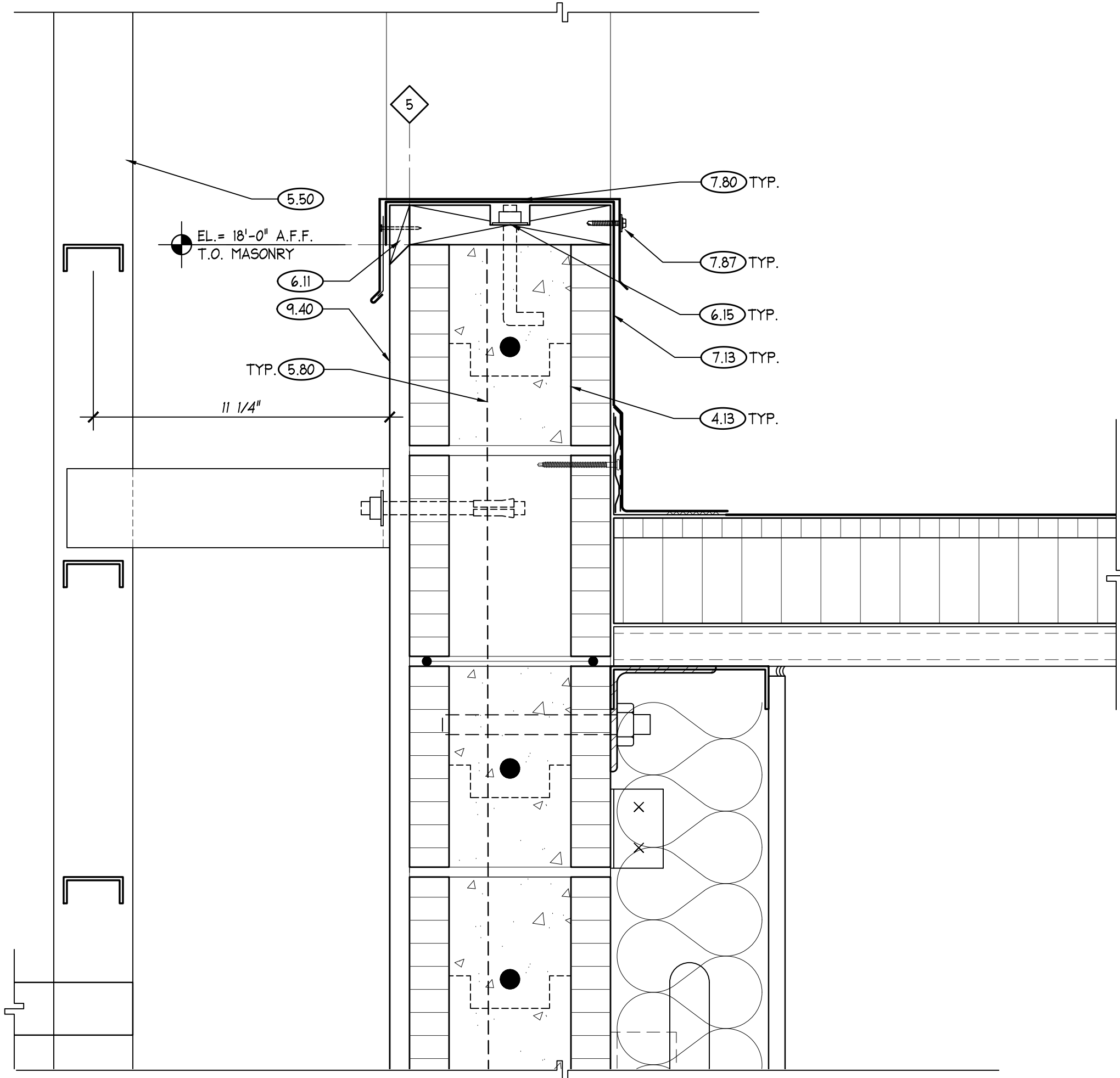
A1.2



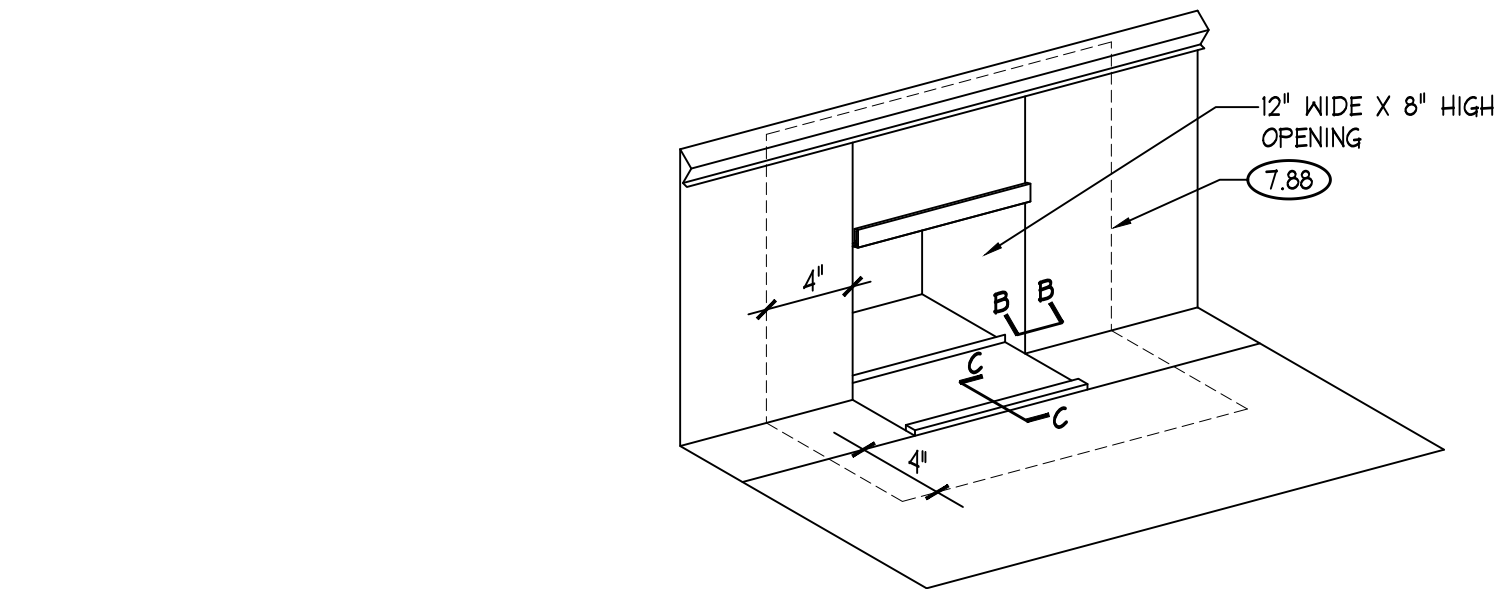
**1 PARAPET DETAIL**  
SCALE: 3" = 1'-0"



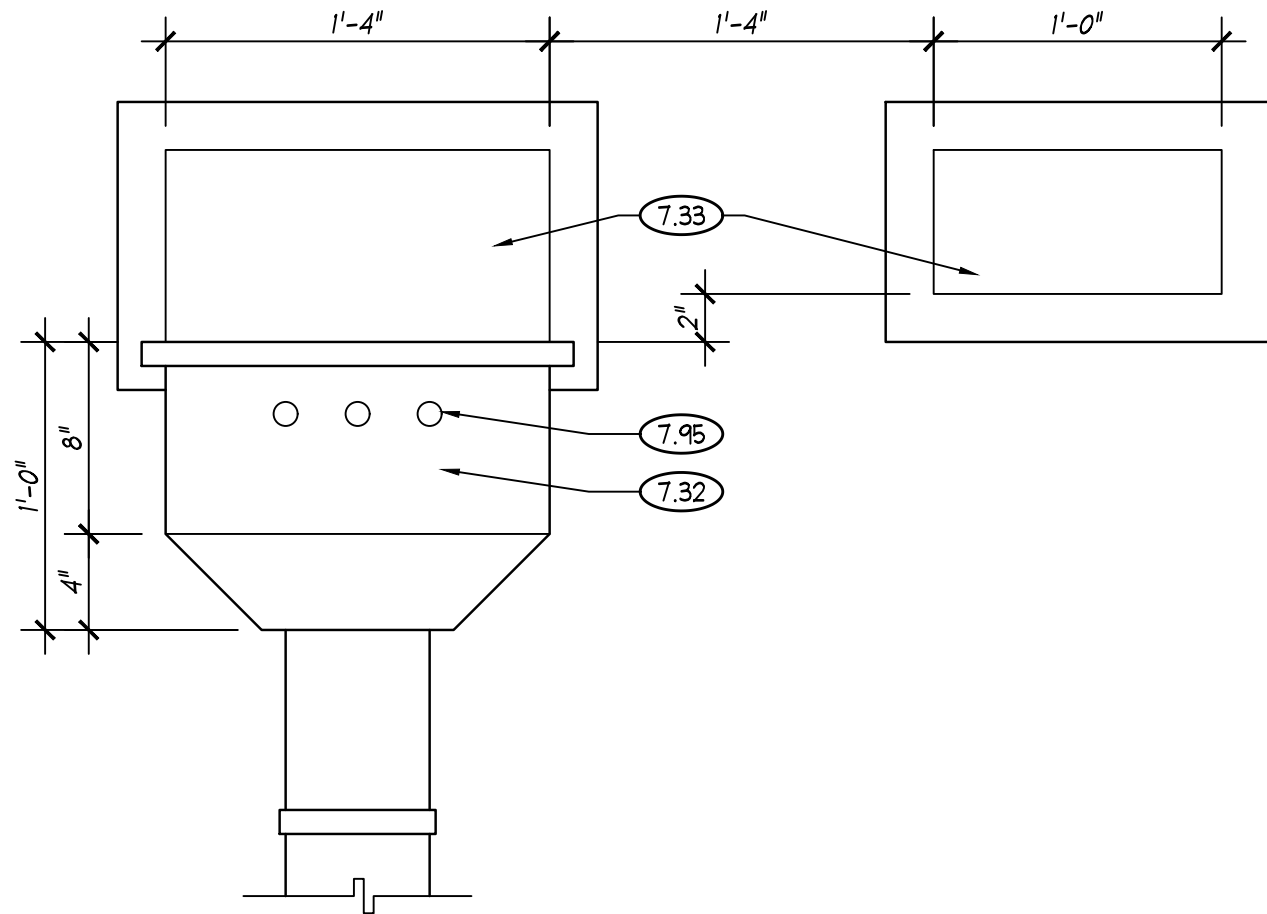
**2 EQUIPMENT SCREEN DETAIL**  
SCALE: 3" = 1'-0"



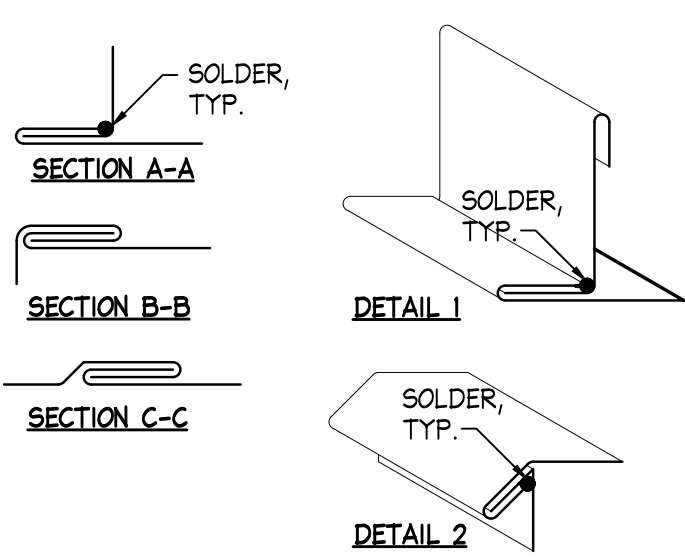
**3 PARAPET DETAIL**  
SCALE: 3" = 1'-0"



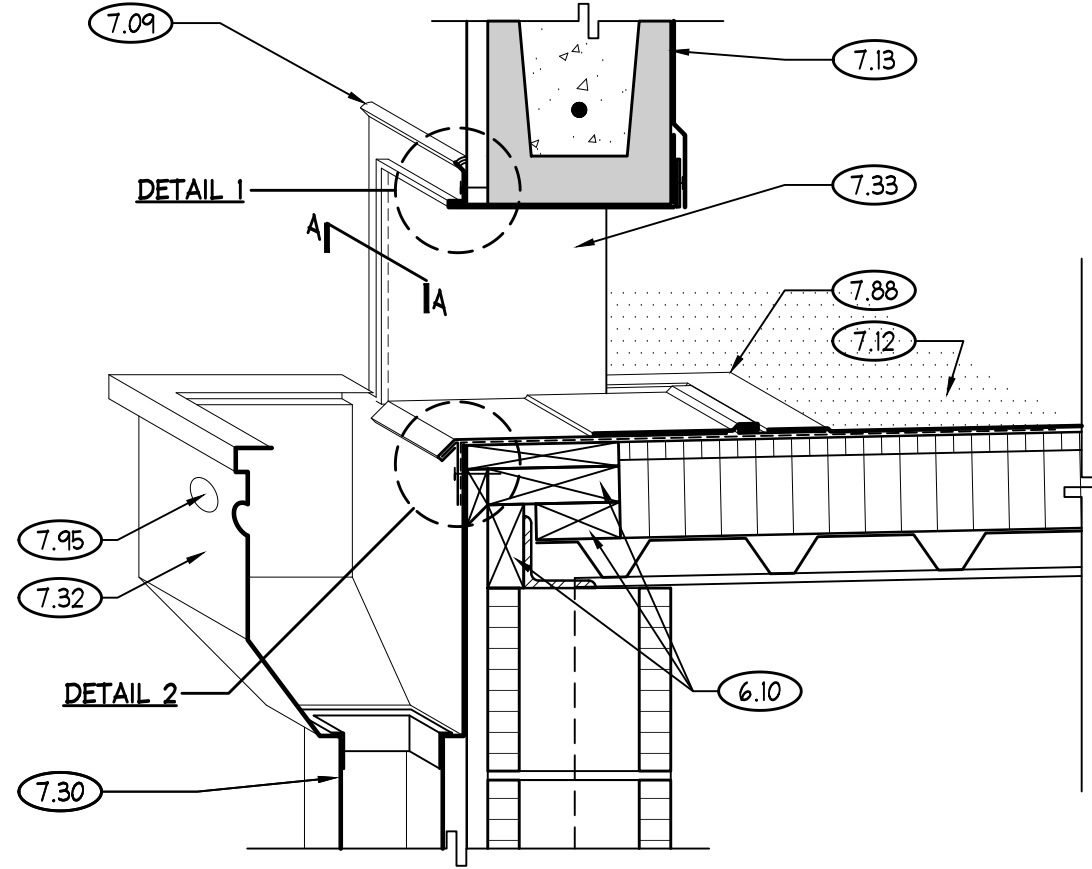
**FLASHING DETAIL**  
NOT TO SCALE



**ELEVATION**

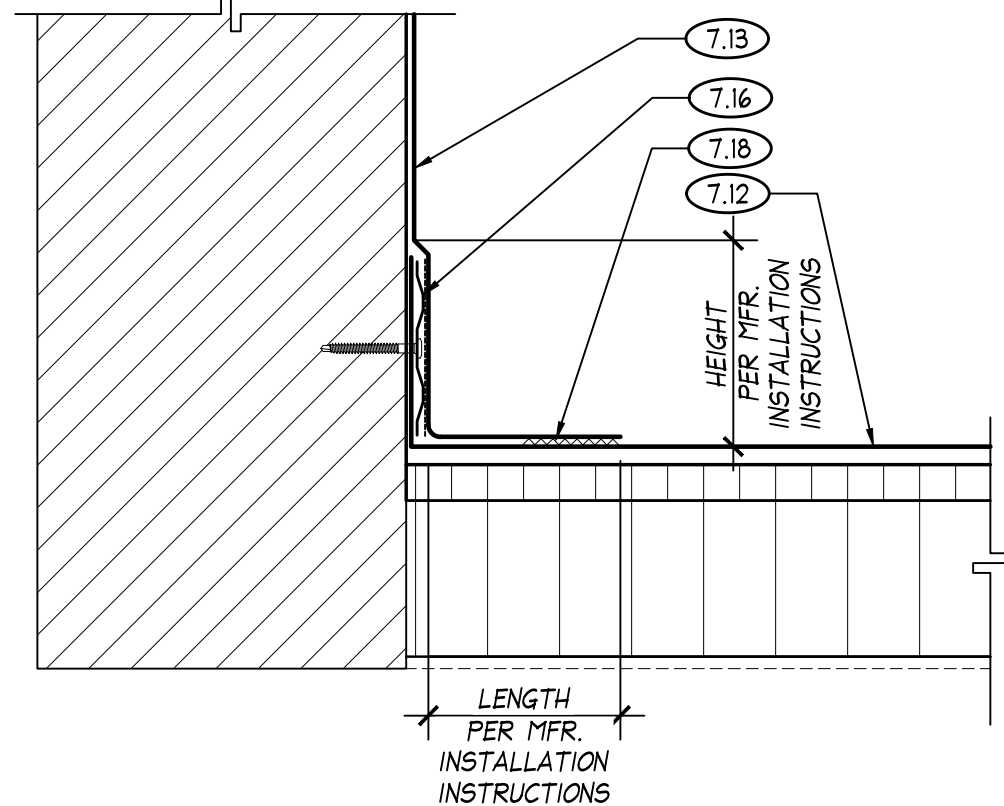


**FLASHING DETAILS**  
NOT TO SCALE

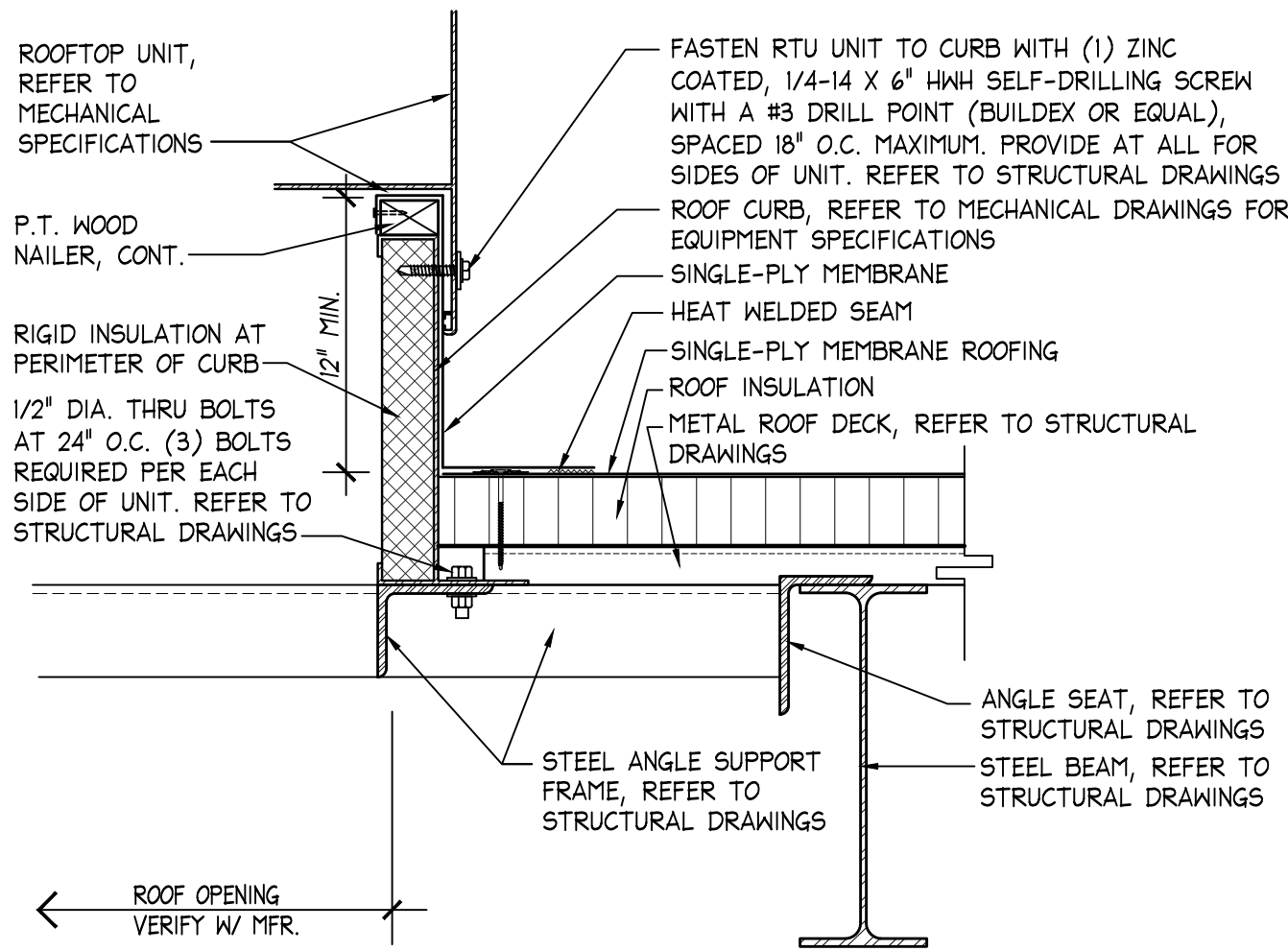


**SECTION**

**1 TYPICAL SCUPPER DETAILS**  
SCALE: 1-1/2" = 1'-0"



**2 TYPICAL PARAPET FLASHING DETAIL**  
SCALE: 3" = 1'-0"

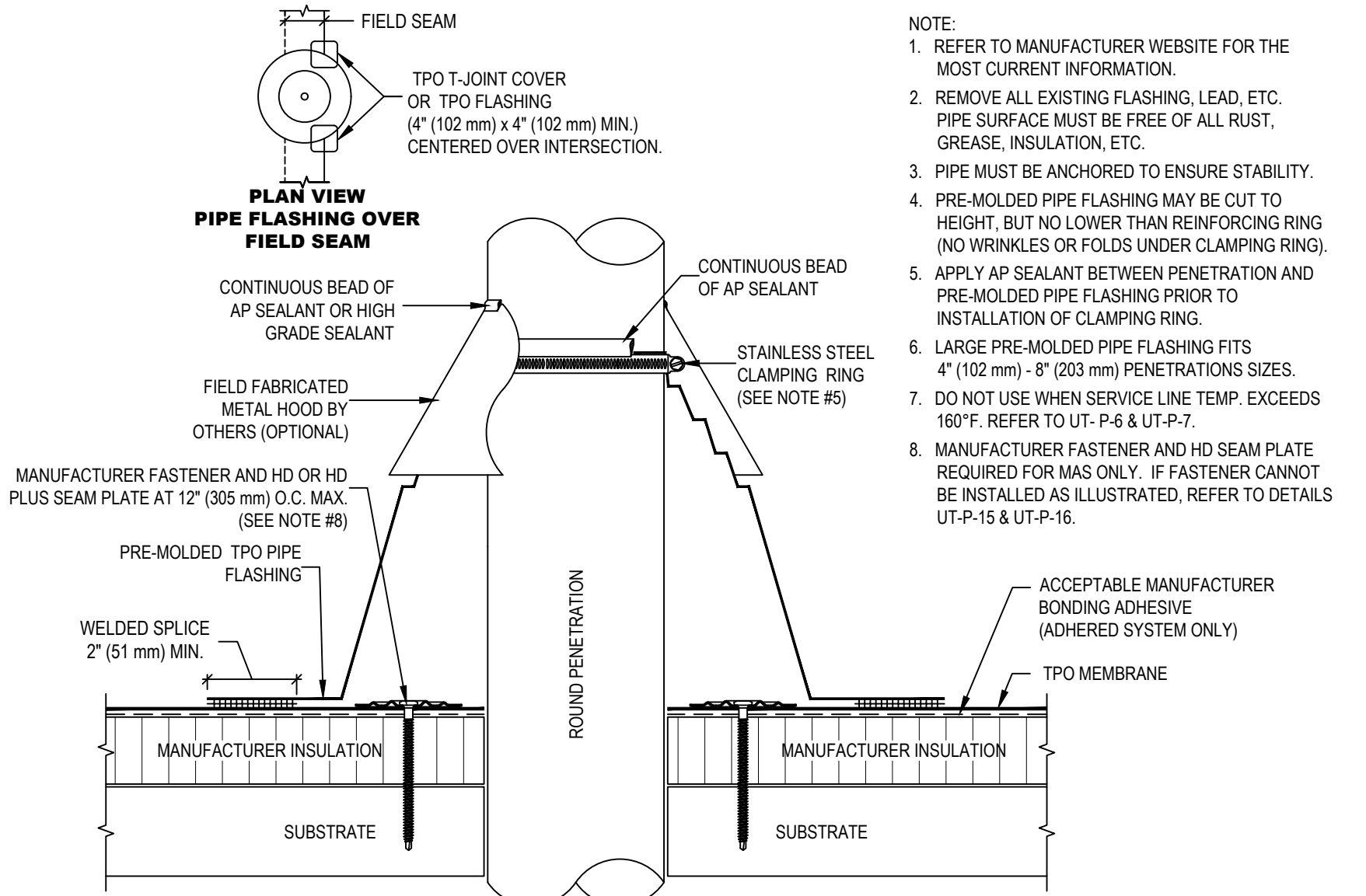


NOTES:  
AT LEAST ONE SIDE OF THE ROOF OPENING SHALL BE SUPPORTED BY A ROOF FRAMING MEMBER  
THE ROOF CURBS MAY BE WITHOUT INSULATION. TOP OF ROOF CURB SHALL BE INSTALLED LEVEL, SHIMMED FROM BENEATH SO TOP OF CURB HEIGHT WILL BE AS STATED IN FBC-BUILDING TABLE 1522.3 ABOVE ROOF SURFACE.

NOTE:  
REFER TO STRUCTURAL ROOF FRAMING PLAN FOR ASSOCIATED STRUCTURAL DETAILS

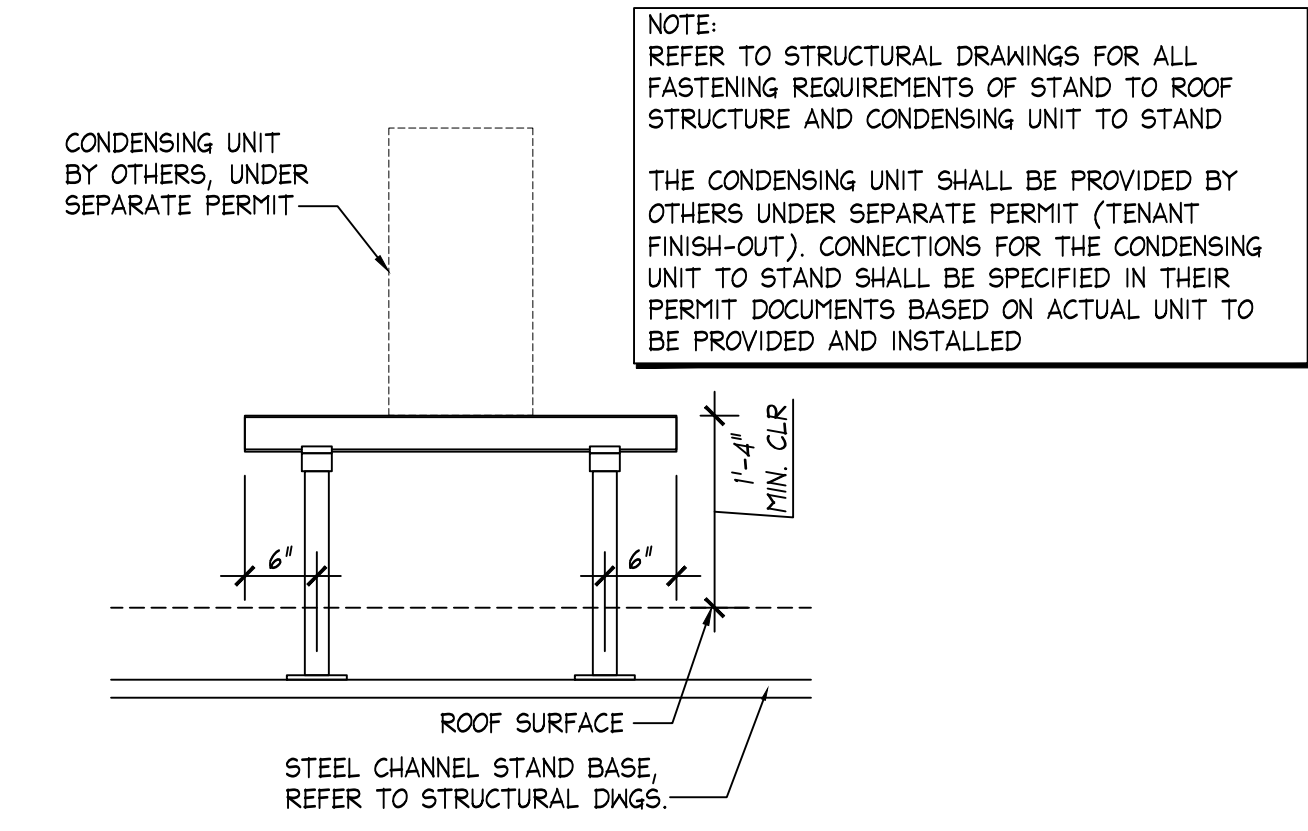
NOTE:  
REFER TO STRUCTURAL DRAWINGS FOR FASTENING METHODS AND SPECIFICATIONS

**3 TYPICAL ROOFTOP UNIT CURB DETAIL**  
SCALE: 1-1/2" = 1'-0"

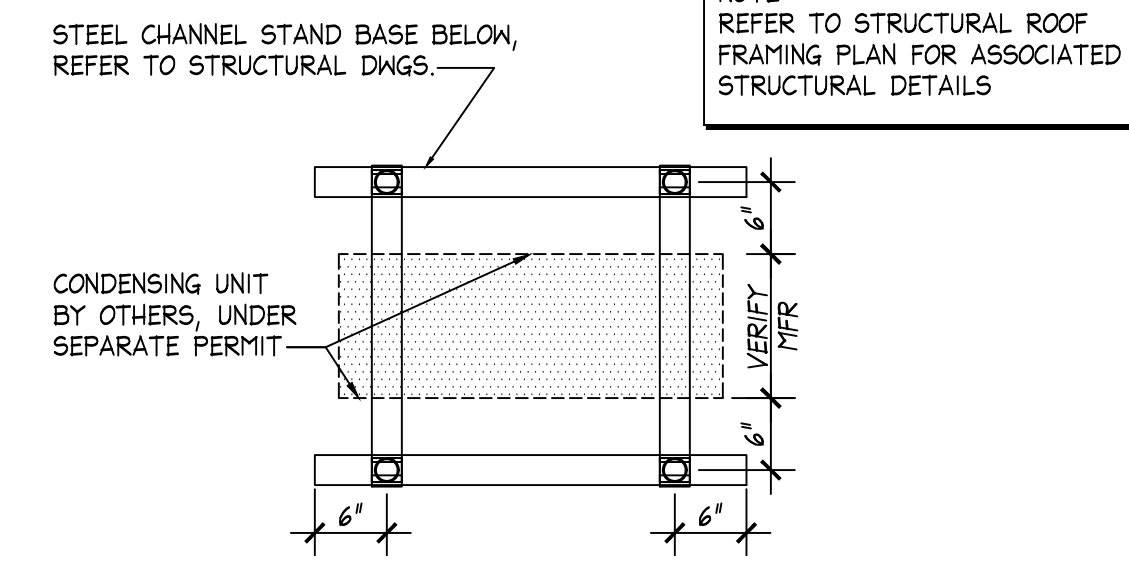


- NOTE:
1. REFER TO MANUFACTURER WEBSITE FOR THE MOST CURRENT INFORMATION.
  2. REMOVE ALL EXISTING FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
  3. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
  4. PRE-MOLDED PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
  5. APPLY AP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING.
  6. LARGE PRE-MOLDED PIPE FLASHING FITS 4" (102 mm) - 8" (203 mm) PENETRATIONS SIZES.
  7. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 160°F. REFER TO UT-P-6 & UT-P-7.
  8. MANUFACTURER FASTENER AND HD SEAM PLATE REQUIRED FOR MAS ONLY. IF FASTENER CANNOT BE INSTALLED AS ILLUSTRATED, REFER TO DETAILS UT-P-15 & UT-P-16.

**4 PLUMBING VENT DETAIL**  
SCALE: 6" = 1'-0"



**SIDE ELEVATION**



**5 PLAN VIEW CONDENSING RACK DETAILS**  
SCALE: 3/4" = 1'-0"

REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.



3336 Grand Blvd, Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

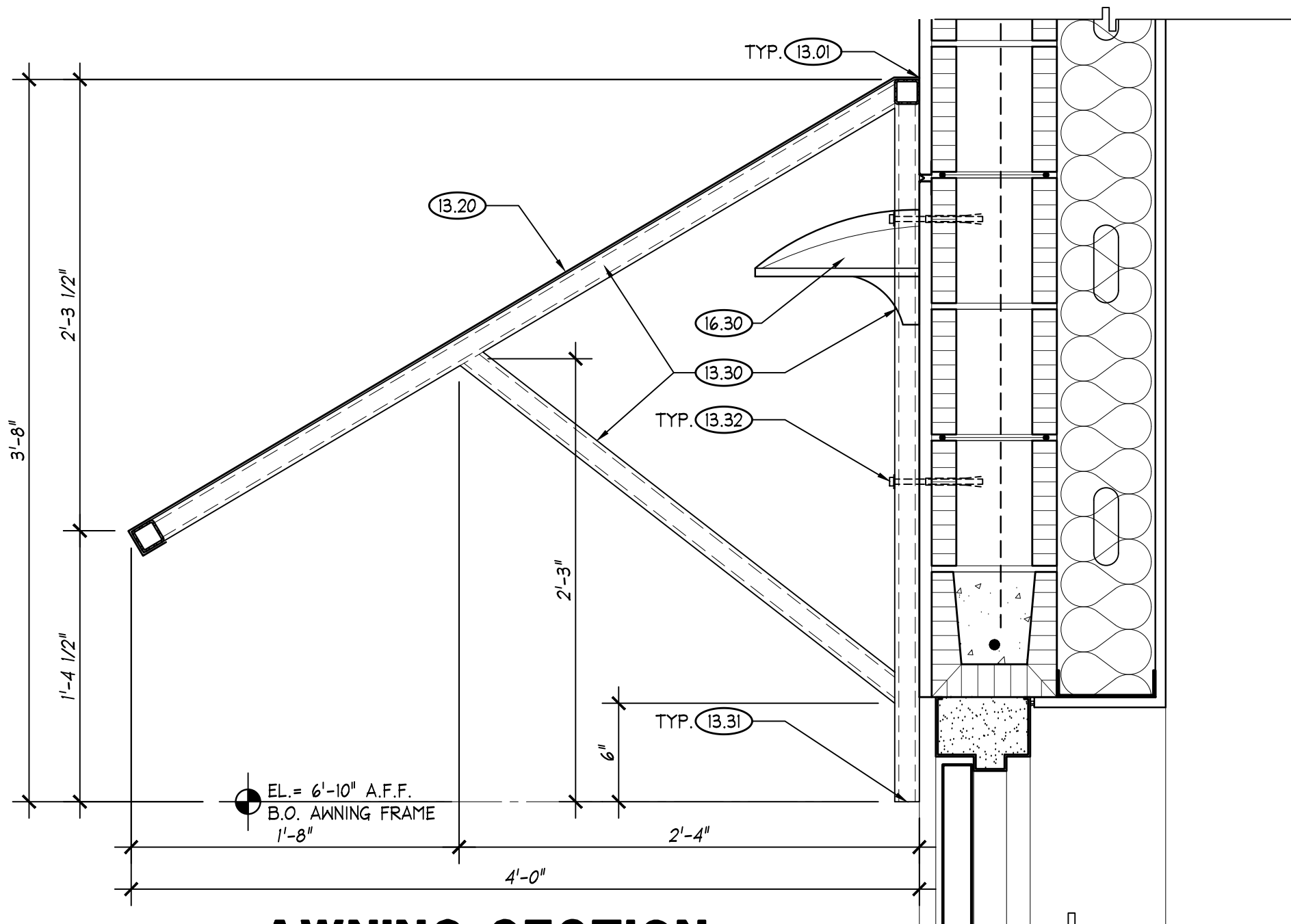
no.	date	revision descriptions
1		

**STARBUCKS**  
**SHELL CONSTRUCTION**  
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date  
22032  
comm. no.

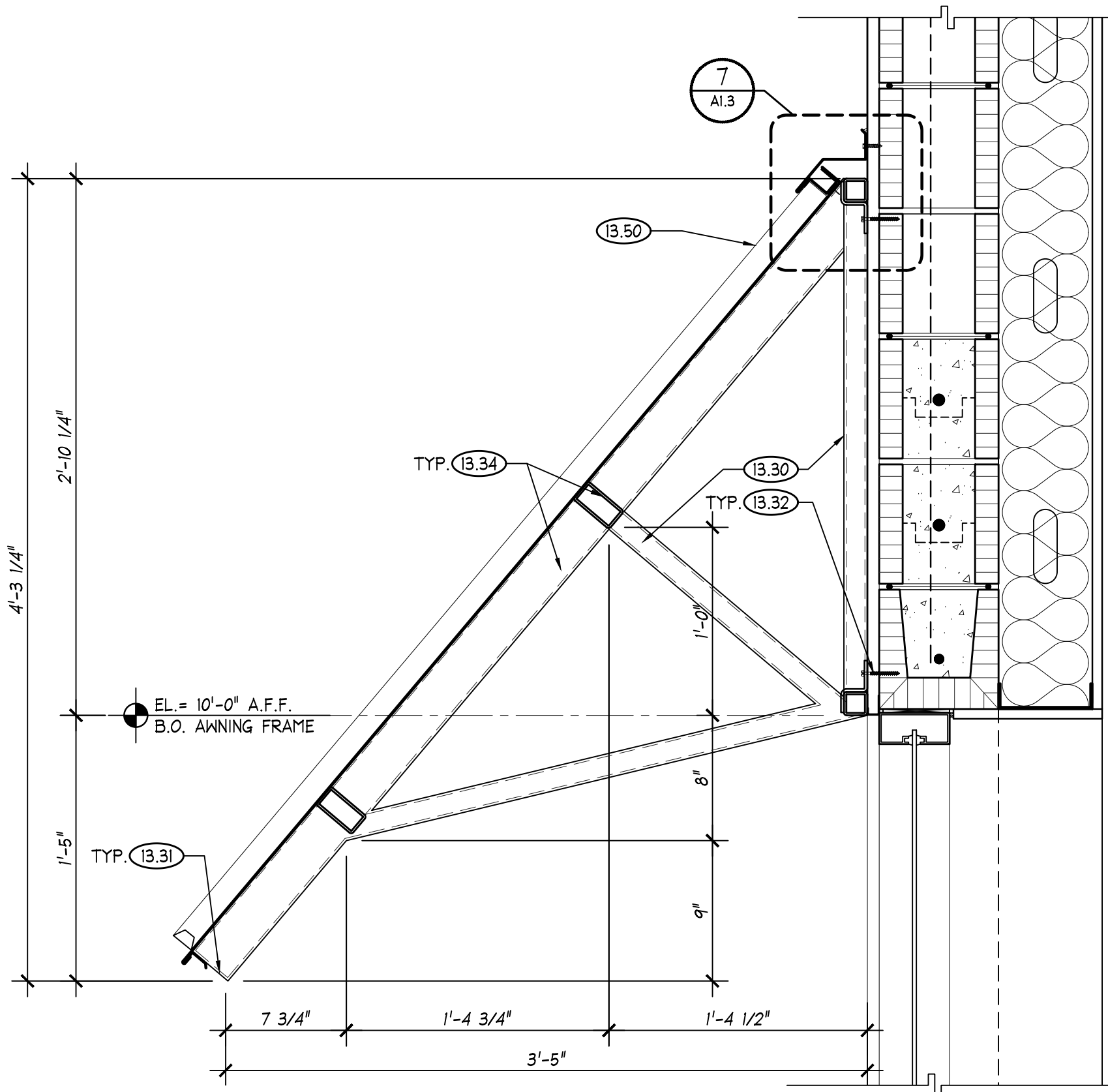
ROOF  
DETAILS

A1.2A



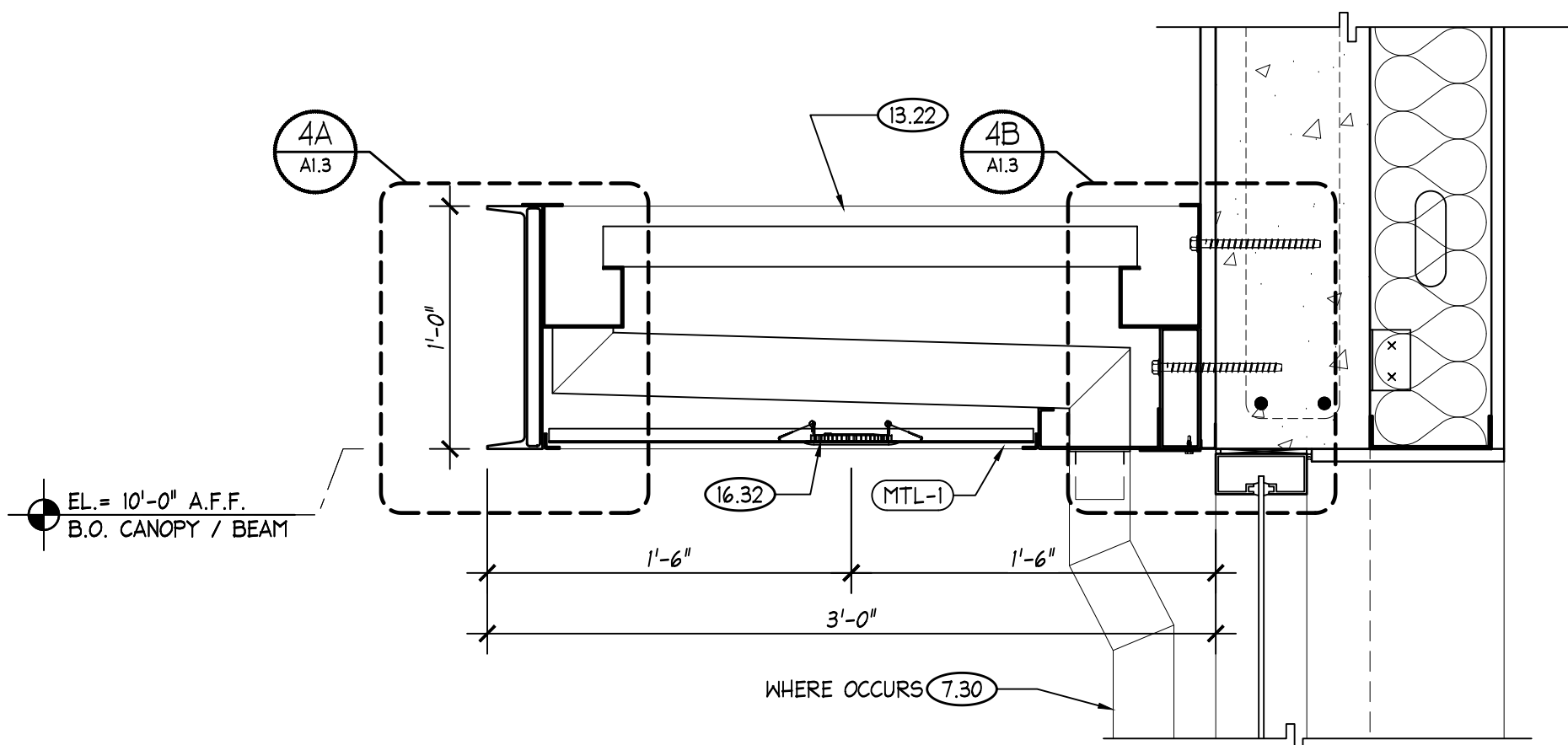
**1 AWNING SECTION**

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



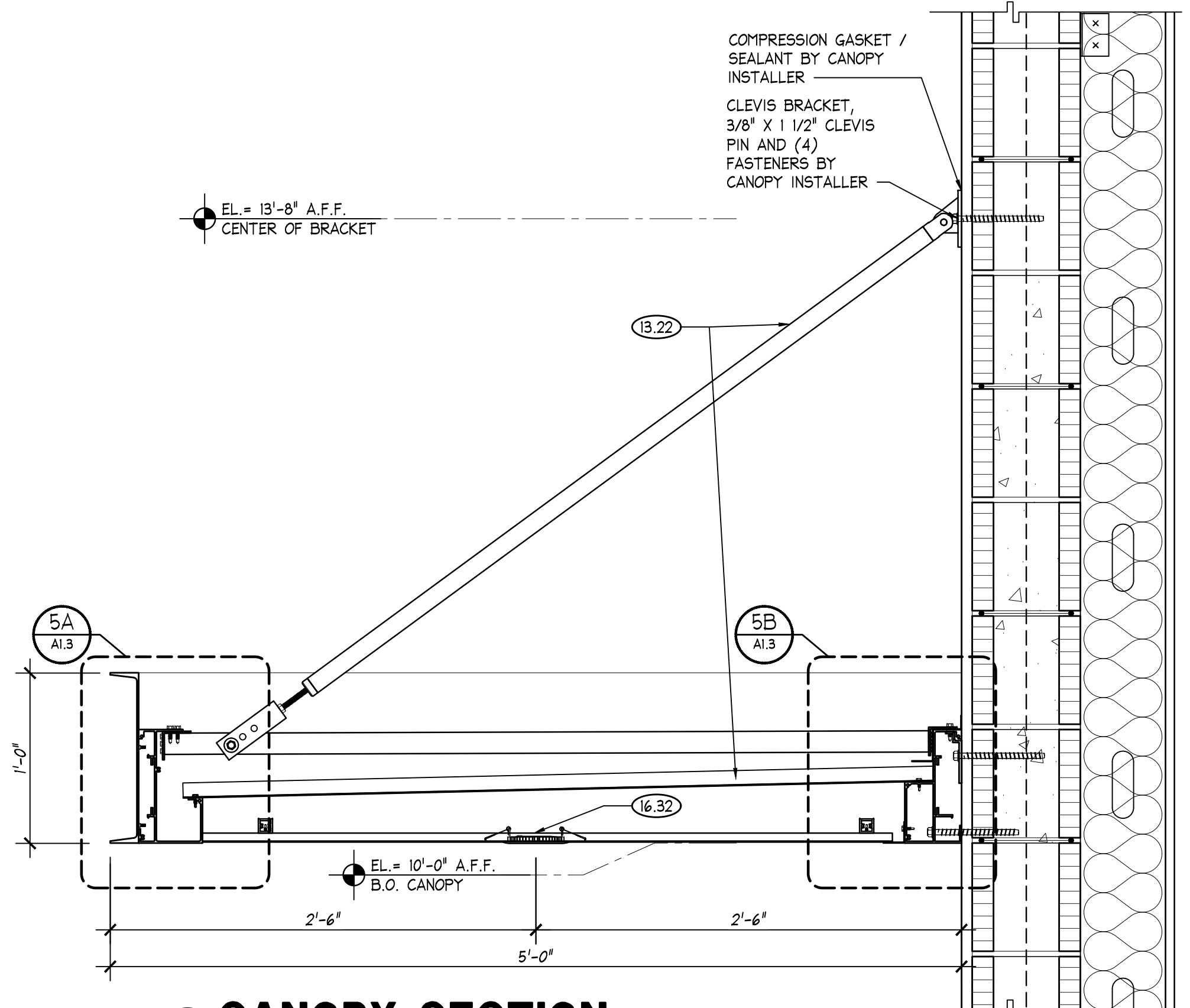
**2 AWNING SECTION**

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



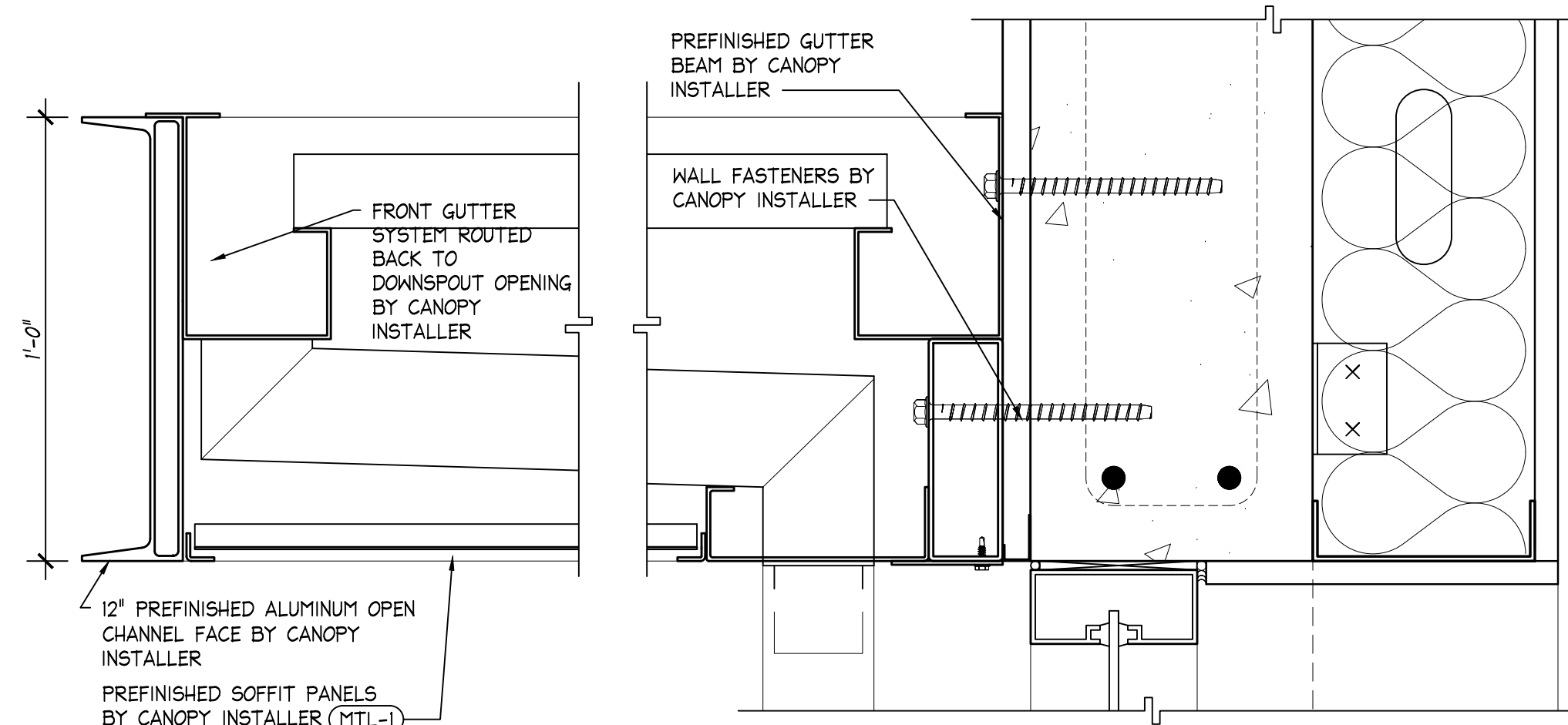
**3 CANOPY SECTION**

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



**4 CANOPY SECTION**

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

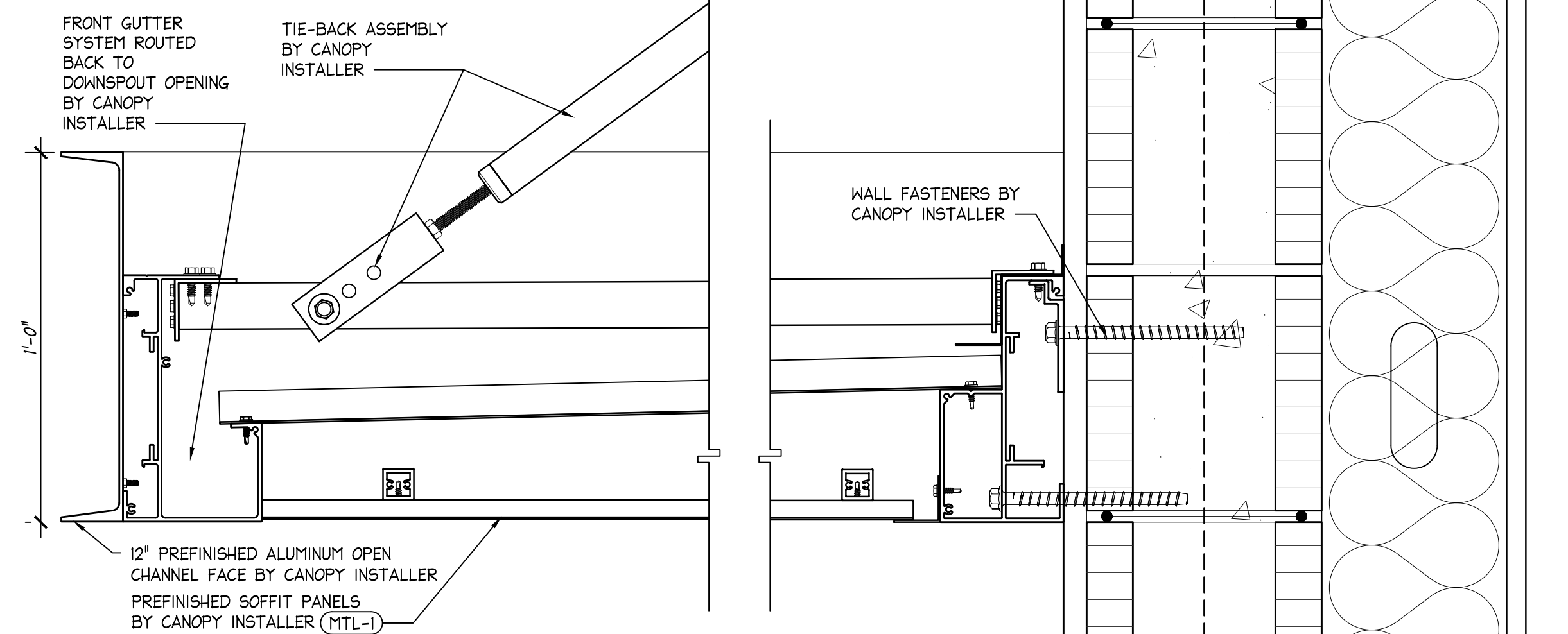


**4A CANOPY DETAIL**

SCALE: 3" = 1'-0"

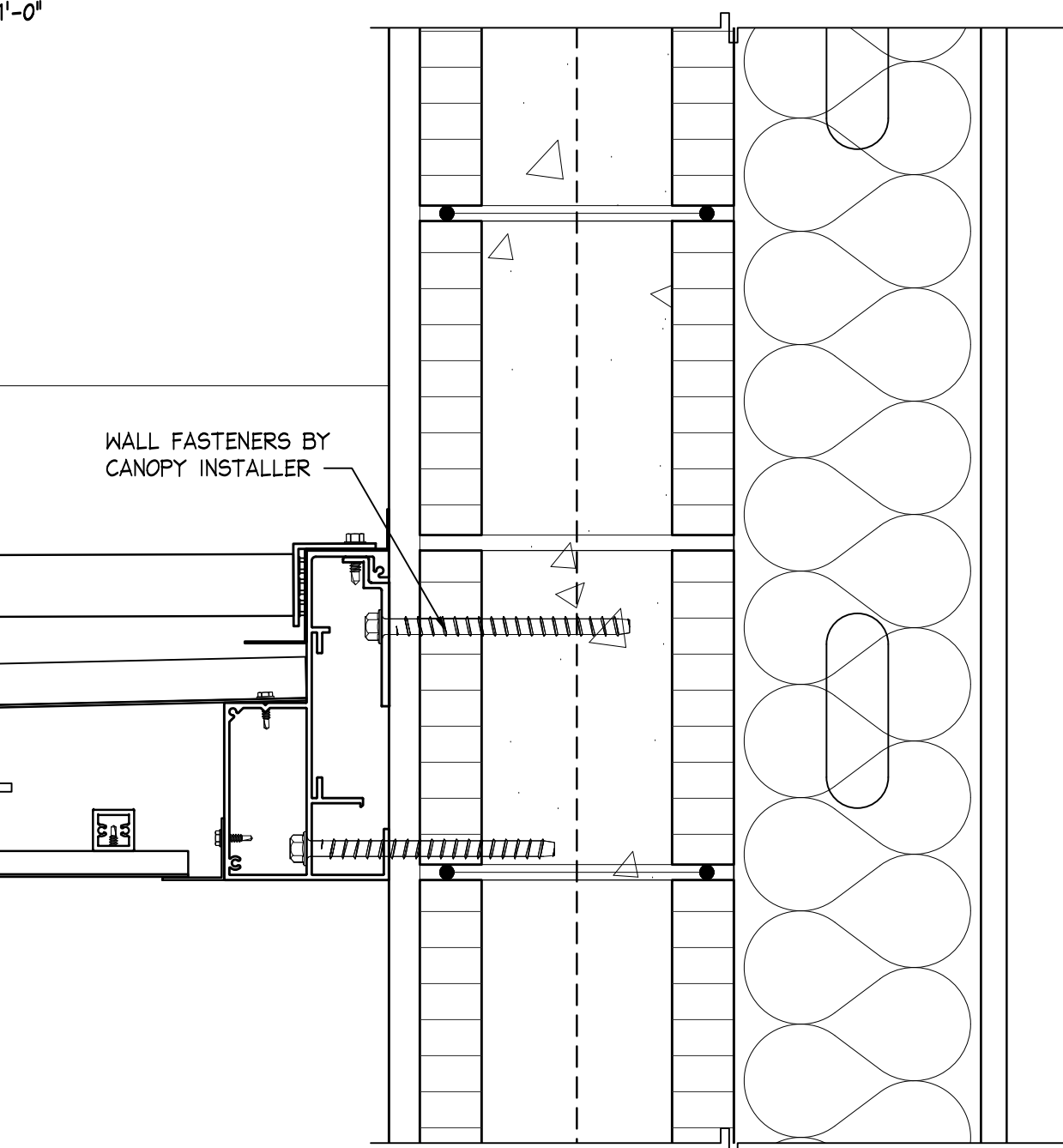
**4A CANOPY DETAIL**

SCALE: 3" = 1'-0"



**5A CANOPY DETAIL**

SCALE: 3" = 1'-0"



**5B CANOPY DETAIL**

SCALE: 3" = 1'-0"

REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.

**ALUMINUM AWNING NOTES:**

AWNING DETAILS PROVIDED SHOW DESIGN INTENT INCLUDING DIMENSIONS, COMPONENTS AND MOUNTING HEIGHTS. THE AWNING FABRICATOR SHALL PROVIDE SEPARATE SHOP DRAWINGS SHOWING ALL COMPONENTS AND METHOD OF ATTACHMENT. SAID DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. THE AWNING FABRICATOR SHALL SUBMIT DRAWINGS TO THE BUILDING DEPARTMENT FOR REVIEW, APPROVAL AND PERMIT.

PROVIDE WELDED PLATE CAPS AT ALL EXPOSED TUBE TERMINATIONS. ALL WELDED CONNECTIONS SHALL BE GROUND SMOOTH PRIOR TO FINISH APPLICATION

ALUMINUM COMPONENTS TO BE FINISHED WITH STANDARD, OVEN CURED POWDER COAT AND SHALL MEET AAMA 2604 REQUIREMENTS

ALL DIMENSIONS TO BE FIELD VERIFIED

STEEL AND ALUMINUM COMPONENTS AND CLADDING SHALL BE PROPERLY ISOLATED TO PREVENT GALVANIC ACTION. PROVIDE BITUMINOUS COATING OR ARCHITECT APPROVED METHOD

**PRE-ENGINEERED CANOPY NOTES**

THE GENERAL CONTRACTOR SHALL ENGAGE A CANOPY MANUFACTURER TO PROVIDE FULLY ENGINEERED CANOPIES IN COMPLIANCE WITH THE DESIGN INTENT PROVIDED IN THE CONSTRUCTION DOCUMENTS

THE PRE-ENGINEERED ALUMINUM CANOPY DESIGNS DEPICTED IN THE PLANS ARE BASED ON DETAILS AND COMPONENTS PROVIDED BY AWNING AND SIGN CONTRACTORS (ASC). TEL. (260) 665-1521, WWW.AWNINGANDSIGNCONTRACTORS.NET

THE CANOPY MANUFACTURER SHALL PROVIDE CANOPY ASSEMBLIES THAT ARE DESIGNED TO MEET THE WIND LOADS AT THE SUBJECT PROPERTY AND, ADDITIONALLY, THAT ARE TESTED AND APPROVED BY MIAMI-DADE NOA OR FLORIDA PRODUCT APPROVAL

THE CANOPY MANUFACTURER SHALL PROVIDE FULLY ENGINEERED SHOP DRAWINGS WHICH SPECIFY ALL CANOPY COMPONENTS INCLUDING CONNECTIONS TO PRIMARY STRUCTURE. THE CONNECTION TO PRIMARY STRUCTURE INCLUDES ANY AND ALL NECESSARY SUPPORT BLOCKING REQUIREMENTS AND METHOD OF ATTACHMENT TO PRIMARY STRUCTURE. SHOP DRAWINGS SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR FOR REVIEW AND APPROVAL

UPON RECEIPT OF SHOP DRAWING APPROVAL, THE CANOPY MANUFACTURER SHALL BE RESPONSIBLE FOR SUBMISSION OF SIGNED AND SEALED PLANS FOR PERMIT TO THE AUTHORITY HAVING JURISDICTION

UPON APPROVAL BY THE JURISDICTION, THE CANOPY MANUFACTURER SHALL BE RESPONSIBLE FOR THE FABRICATION AND COMPLETE INSTALLATION OF THE CANOPIES

ALL SUPPORT BLOCKING AND ATTACHMENT TO THE BUILDING SHALL BE FULLY COORDINATED WITH THE GENERAL CONTRACTOR

REFER TO ENLARGED DETAILS ON THIS SHEET FOR DESIGN INTENT AND PHYSICAL CANOPY PARAMETERS. A WRITTEN DESCRIPTION IS AS FOLLOWS:

- 1) THE CANOPIES SHALL BE PRE-ENGINEERED, PRE-FINISHED ALUMINUM
- 2) CANOPIES AT THE PRIMARY FACADE(S) SHALL HAVE INTEGRATED GUTTERS AS SHOWN ROUTED WITH OUTLETS PROVIDED BY THE CANOPY INSTALLER (THE DOWNSPOUTS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. WHERE APPLICABLE, THE DOWNSPOUTS SHALL BE CONNECTED TO THE UNDERGROUND STORM SYSTEM. DOWNSPOUTS SHALL BE PRE-FINISHED ALUMINUM TO MATCH THE CANOPY COMPONENTS)
- 3) THE CANOPY AT THE DRIVE-THRU SHALL HAVE INTEGRATED FRONT GUTTERS ROUTED TO OUTLETS AT THE MAIN BUILDING WALL (THE DOWNSPOUTS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. WHERE APPLICABLE, THE DOWNSPOUTS SHALL BE CONNECTED TO THE UNDERGROUND STORM SYSTEM. DOWNSPOUTS SHALL BE PRE-FINISHED ALUMINUM TO MATCH THE CANOPY COMPONENTS)
- 4) THE CANOPY SOFFIT MATERIAL SHALL BE PRE-FINISHED ALUMINUM ONLY, COLOR AS INDICATED ON THIS SHEET
- 5) CANOPIES SHALL INCLUDE RECESSED DOWN LIGHTING AS INDICATED ON THE REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS
- 6) WIRING FOR RECESS MOUNTED LIGHTING, EMERGENCY LIGHTING, ETC. AT THE UNDERSIDE OF CANOPIES SHALL BE FULLY CONCEALED WITHIN SOFFIT. THE ELECTRICIAN SHALL PROVIDE DETAILS SHOWING ROUTING OF WIRING FOR APPROVAL PRIOR TO INSTALLATION
- 7) ALUMINUM COMPONENTS TO BE FINISHED WITH STANDARD, OVEN CURED POWDER COAT AND SHALL MEET AAMA 2604 REQUIREMENTS
- 8) ANY GALVANIZED STEEL COMPONENTS SHALL BE PRIMED AND PAINTED
- 9) ALUMINUM AND GALVANIZED STEEL COMPONENTS SHALL BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION

REFER TO THE FINISH SCHEDULE ON SHEET A3.0 FOR CANOPY FINISH COLOR

GENERAL NOTES

- REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS
- TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.
1. REFER TO ELECTRICAL DRAWINGS FOR ALL LIGHTING SPECIFICATIONS AND LOCATIONS OF EMERGENCY LIGHTING

2. REFER TO MECHANICAL PLANS FOR ROOFTOP EQUIPMENT AND DROPS

3. REFER TO ELECTRICAL DRAWINGS FOR ELECTRIC POWER SUPPLY / RECEPTACLES ABOVE STOREFRONT OPENINGS AND THE BUILDING EXTERIOR FOR WALL MOUNTED SIGNAGE. REFER ALSO TO THE EXTERIOR ELEVATIONS

4. REFER TO SHEET A4.1 FOR HEAD, JAMB AND SILL DETAILS

F

W

H

Architects

3336 Grand Blvd, Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

REVISED PER BUILDING PERMIT COMMENTS & TENANT COORD.		revision descriptions	
no.	date		
1	10.17.2023		

STARBUCKS

SHELL CONSTRUCTION

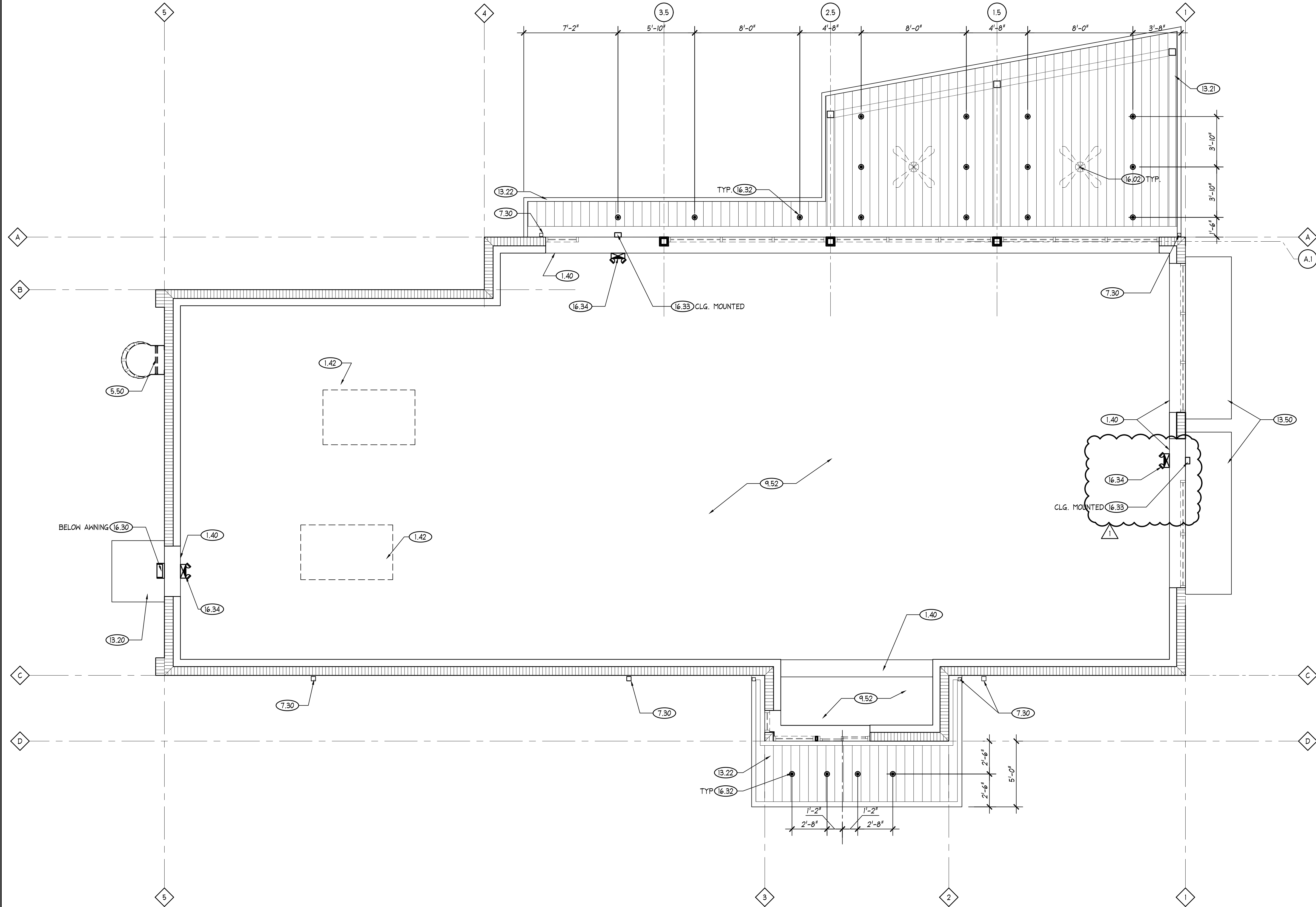
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

22032  
comm. no.

REFLECTED  
CEILING PLAN

A2.0

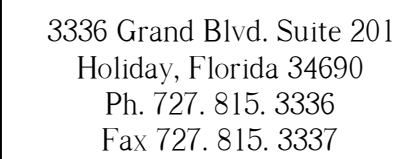


REFLECTED CEILING PLAN

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

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION	REMARKS
	RECESS MOUNTED EXTERIOR DOWN LIGHT FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS
	EMERGENCY/EXIT LIGHT COMBINATION FIXTURE	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS AND LOCATIONS
	EXTERIOR EMERGENCY LIGHT FIXTURE, WALL OR CEILING MOUNTED	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS. SEE ALSO EXTERIOR ELEVATIONS
	WALL PACK	REFER TO ELECTRICAL DRAWINGS FOR LIGHTING SPECIFICATIONS. SEE ALSO EXTERIOR ELEVATIONS
	FUTURE CEILING FAN TO BE PROVIDED AND INSTALLED BY TENANT	REFER TO ELECTRICAL DRAWINGS FOR JUNCTION BOX REQUIREMENTS



TO THE BEST OF THE KNOWLEDGE OF  
THE ARCHITECTS AND ENGINEERS, PLANS  
AND SPECIFICATIONS COMPLY WITH THE  
APPLICABLE MINIMUM BUILDING CODES  
AND THE APPLICABLE MINIMUM FIRE  
SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

	10/17/2023	REVISED PER BUILDING PERMIT COMMENTS & TENANT COORD.
no.	date	revision descriptions

**STARBUCKS**  
**SHELL CONSTRUCTION**

---

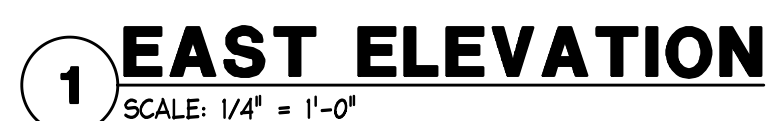
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

22032  
comm. no.

### EXTERIOR ELEV. AND EXTERIOR FINISH SCHEDULE

### A3.0



## GENERAL NOTES

REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.

SIGNAGE DEPICTED IN THESE DOCUMENTS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL DRAWINGS WHERE APPLICABLE

IT SHALL BE UNDERSTOOD THAT ALL EXTERIOR BUILDING MOUNTED AND SITE SIGNAGE WILL BE PERMITTED SEPARATELY BY THE SIGN VENDOR. AT THAT TIME, COMPLETE DETAILS INCLUDING, BUT NOT LIMITED TO, SIGN FABRICATION, SIGN INSTALLATION, SIGN AREA AND QUANTITIES, ETC. WILL BE SUBMITTED FOR PERMIT REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK

## EXTERIOR FINISH NOTES

### EXTERIOR INSULATION FINISH SYSTEM (EIFS) REQUIREMENTS

1. THE STANDARD FINISH COAT OVER CEMENT PLASTER SURFACES SHALL BE AN ACRYLIC EIFS FINISH SYSTEM, "DRYVIT TAFTS" (OPTION 1) AS MANUFACTURED BY DRYVIT SYSTEMS, INC. COLORS, AS SPECIFIED ON THE EXTERIOR FINISH SCHEDULE, HAVE BEEN SELECTED FROM DRYVIT'S STANDARD COLORS. THIS SYSTEM CONSISTS OF A TINTED PRIMER AND TEXTURED ACRYLIC FINISH WITH INTEGRAL COLOR. THE SPECIFIED SYSTEM HAS A 10-YEAR MANUFACTURER WARRANTY

2. WHERE A CUSTOM COLOR IS REQUIRED FOR THE FINISH COAT OVER CEMENT PLASTER SURFACES, AN ACRYLIC EIFS FINISH COAT, "DRYVIT TAFTS" (OPTION 1) WITH STRATOTONE COLOR MATCHING SYSTEM AS MANUFACTURED BY DRYVIT SYSTEMS, INC. SHALL BE PROVIDED. CUSTOM COLORS ARE SPECIFIED ON THE EXTERIOR FINISH SCHEDULE. THIS SYSTEM CONSISTS OF A TINTED PRIMER AND TEXTURED ACRYLIC FINISH WITH INTEGRAL COLOR. THE SPECIFIED SYSTEM HAS A 5-YEAR MANUFACTURER WARRANTY

3. ALL FINISH COAT TEXTURES SHALL BE "SANDPEBBLE FINE" UNLESS OTHERWISE NOTED

4. WHERE FOAM TRIM, CORNICE MOLDING OR OTHER SHAPES ARE SPECIFIED, COMPONENTS SHALL BE AS MANUFACTURED BY "DRIY/IT SHAPES BY ACROCORE" AND SHALL BE COMPRISED OF A TYPE I CLASSIFICATION EXPANDED POLYSTYRENE WRAPPED IN A FLEXIBLE IMPACT RESISTANT FIBERGLASS MESH AND COATED WITH A FACTORY APPLIED POLYMER MODIFIED, FLEXIBLE CEMENT COATING

5. ALL GENERAL CONTRACTOR BIDS SHALL INCLUDE THE ABOVE STATED SYSTEMS / PRODUCTS IN THEIR BASE BIDS. SUBSTITUTIONS WILL BE CONSIDERED FOR APPROVAL BUT ONLY IF FULLY QUALIFIED IN BIDS INCLUDING COMPLETE SYSTEM / PRODUCT SPECIFICATIONS AND ASSOCIATED COSTS

ALUMINUM COPING, DRIP EDGES, SCUPPERS AND DOWNSPOUT REQUIREMENTS:

1. ALL COMPONENTS SHALL BE PREFINISHED WITH A FACTORY APPLIED, KYNAR 500 FINISH OR MANUFACTURER EQUIVALENT. COLORS SHALL BE AS SPECIFIED FROM THE MANUFACTURER'S STANDARD COLOR OPTIONS

GENERAL:

1. WHERE PLASTER REVEALS ARE NOT PREFINISHED, REVEALS SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED

2. ALL EXPOSED, BUILDING MOUNTED UTILITIES AND CONDUITS SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACES UNLESS OTHERWISE NOTED

## EXTERIOR FINISH SCHEDULE

CEMENT PLASTER / EIFS FINISHES  
(ACRYLIC EIFS FINISH WITH INTEGRAL COLOR AND TEXTURE)

TAG	MANUFACTURER	COLOR	DESCRIPTION
EF-1	DRYVIT	MATCH SHERWIN WILLIAMS #SWT504 'KEYSTONE GRAY'	CUSTOM DRYVIT STRATOTONE COLOR
EF-2	DRYVIT	MATCH SHERWIN WILLIAMS #SWT026 'GRIFFIN'	CUSTOM DRYVIT STRATOTONE COLOR
EF-3	DRYVIT	MATCH SHERWIN WILLIAMS #SW6258 'TRICORN BLACK'	CUSTOM DRYVIT STRATOTONE COLOR

METAL SOFFIT PANELS, TRIM, COPING, DOWNSPOUTS AND SCUPPERS

MTL-1	PAC-CLAD	"MATTE BLACK"	KYNAR 500
-------	----------	---------------	-----------

## ALUMINUM STOREFRONT

SF-1	YKK	'BLACK'	
------	-----	---------	--

PAINT FINISHES
----------------

TAG	MANUFACTURER	COLOR	DESCRIPTION
PT-2	SHERWIN WILLIAMS	#SW7026 "GRIFFIN"	

	BRICK
--	-------

BRK-1	CHEROKEE BRICK	COLOR: VELOUR MEDIUM GRAY; MORTAR BY CEMEX COLONIAL BUFF #1300	
-------	----------------	--	--

## AWNING FABRIC

FB-1	SUNBRELLA	"BLACK"	FIRE RETARDANT FIRESIST
------	-----------	---------	-------------------------

COMPOSITE DECKING

CMP-1	AZEK	"ESPRESSO"	
-------	------	------------	--

REVISED PER BUILDING PERMIT COMMENTS & TENANT COORD.	no.	date	revision descriptions
10.17.2023			

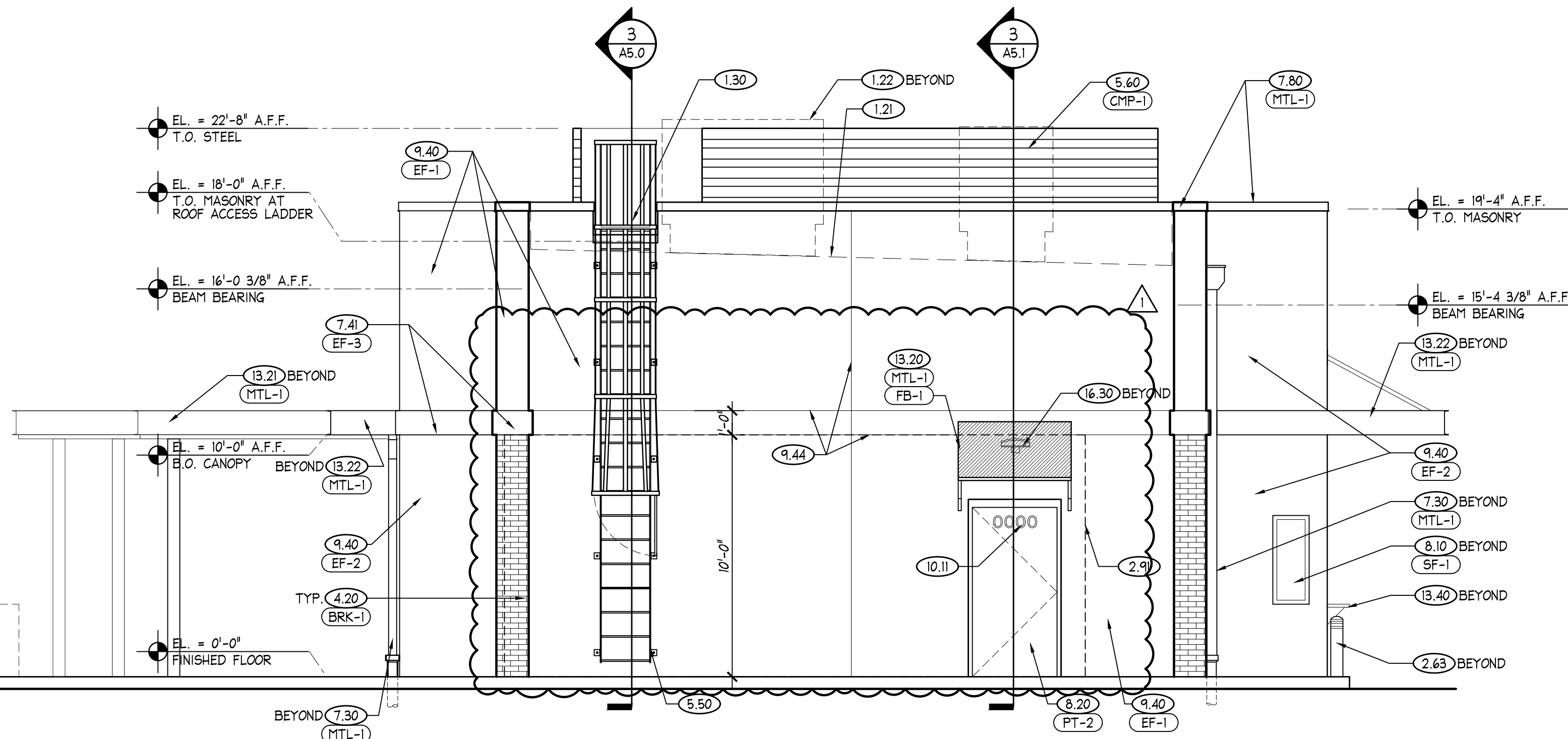
**STARBUCKS**  
SHELL CONSTRUCTION  
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

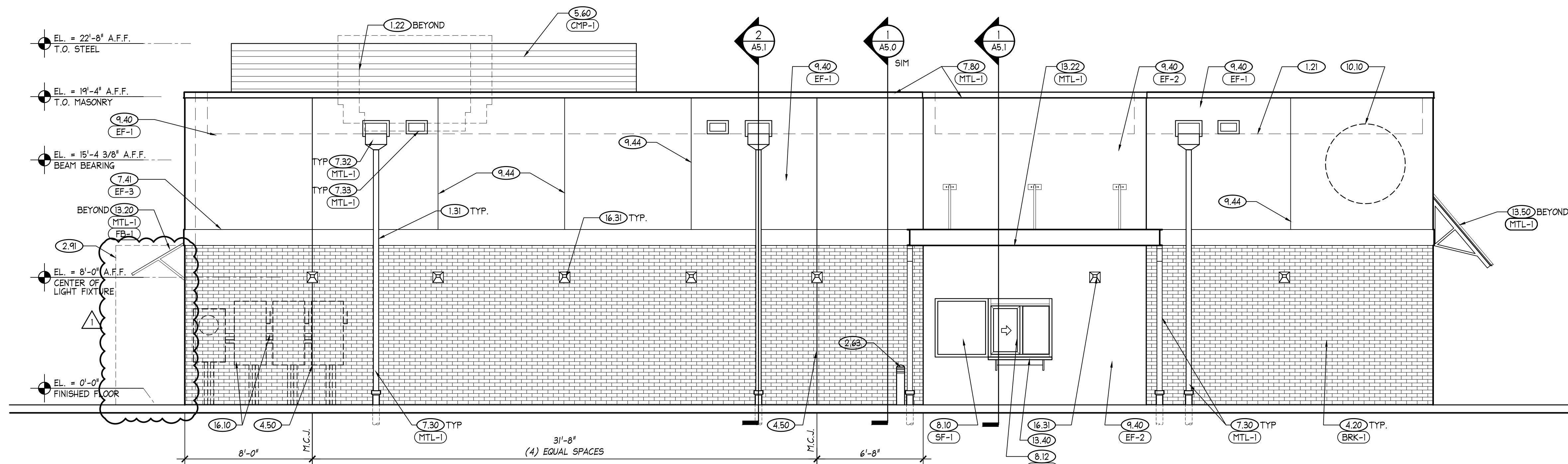
22032  
comm. no.

EXTERIOR  
ELEVATIONS

A3.1



**1 WEST ELEVATION**  
SCALE: 1/4" = 1'-0"



**2 SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.

SIGNAGE DEPICTED IN THESE DOCUMENTS ARE FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL DRAWINGS WHERE APPLICABLE

IT SHALL BE UNDERSTOOD THAT ALL EXTERIOR BUILDING MOUNTED AND SITE SIGNAGE WILL BE PERMITTED SEPARATELY BY THE SIGN VENDOR. AT THAT TIME, COMPLETE DETAILS INCLUDING, BUT NOT LIMITED TO, SIGN FABRICATION, SIGN INSTALLATION, SIGN AREA AND QUANTITIES, ETC. WILL BE SUBMITTED FOR PERMIT REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK

**EXTERIOR FINISH NOTES**

**EXTERIOR INSULATION FINISH SYSTEM (EIFS) REQUIREMENTS:**

1. THE STANDARD FINISH COAT OVER CEMENT PLASTER SURFACES SHALL BE AN ACRYLIC EIFS FINISH COAT, "DRYVIT TAFTS" (OPTION 1) AS MANUFACTURED BY DRYVIT SYSTEMS, INC. COLORS, AS SPECIFIED ON THE EXTERIOR FINISH SCHEDULE, HAVE BEEN SELECTED FROM DRYVIT'S STANDARD COLORS. THIS SYSTEM CONSISTS OF A TINTED PRIMER AND TEXTURED ACRYLIC FINISH WITH INTEGRAL COLOR. THE SPECIFIED SYSTEM HAS A 10-YEAR MANUFACTURER WARRANTY

2. WHERE A CUSTOM COLOR IS REQUIRED FOR THE FINISH COAT OVER CEMENT PLASTER SURFACES, AN ACRYLIC EIFS FINISH COAT, "DRYVIT TAFTS" (OPTION 1) WITH STRATOTONE COLOR MATCHING SYSTEM AS MANUFACTURED BY DRYVIT SYSTEMS, INC. SHALL BE PROVIDED. CUSTOM COLORS ARE SPECIFIED ON THE EXTERIOR FINISH SCHEDULE. THIS SYSTEM CONSISTS OF A TINTED PRIMER AND TEXTURED ACRYLIC FINISH WITH INTEGRAL COLOR. THE SPECIFIED SYSTEM HAS A 5-YEAR MANUFACTURER WARRANTY

3. ALL FINISH COAT TEXTURES SHALL BE "SANDPEBBLE FINE" UNLESS OTHERWISE NOTED

4. WHERE FOAM TRIM, CORNICE MOLDING OR OTHER SHAPES ARE SPECIFIED, COMPONENTS SHALL BE AS MANUFACTURED BY "DRYVIT SHAPES BY ACROCORE" AND SHALL BE COMPRISED OF A TYPE I CLASSIFICATION EXPANDED POLYSTYRENE WRAPPED IN A FLEXIBLE IMPACT RESISTANT FIBERGLASS MESH AND COATED WITH A FACTORY APPLIED POLYMER MODIFIED, FLEXIBLE CEMENT COATING

5. ALL GENERAL CONTRACTOR BIDS SHALL INCLUDE THE ABOVE STATED SYSTEMS / PRODUCTS IN THEIR BASE BIDS. SUBSTITUTIONS WILL BE CONSIDERED FOR APPROVAL BUT ONLY IF FULLY QUALIFIED IN BIDS INCLUDING COMPLETE SYSTEM / PRODUCT SPECIFICATIONS AND ASSOCIATED COSTS

**ALUMINUM COPING, DRIP EDGES, SCUPPERS AND DOWNSPOUT REQUIREMENTS:**

1. ALL COMPONENTS SHALL BE PREFINISHED WITH A FACTORY APPLIED, KYNAR 500 FINISH OR MANUFACTURER EQUIVALENT. COLORS SHALL BE AS SPECIFIED FROM THE MANUFACTURER'S STANDARD COLOR OPTIONS

**GENERAL:**

1. WHERE PLASTER REVEALS ARE NOT PREFINISHED, REVEALS SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR UNLESS OTHERWISE NOTED

2. ALL EXPOSED, BUILDING MOUNTED UTILITIES AND CONDUITS SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACES UNLESS OTHERWISE NOTED

**EXTERIOR FINISH SCHEDULE**

**CEMENT PLASTER / EIFS FINISHES**  
(ACRYLIC EIFS FINISH WITH INTEGRAL COLOR AND TEXTURE)

TAG	MANUFACTURER	COLOR	DESCRIPTION
(EF-1)	DRYVIT	MATCH SHERWIN WILLIAMS #SW7504 "KEYSTONE GRAY"	CUSTOM DRYVIT STRATOTONE COLOR
(EF-2)	DRYVIT	MATCH SHERWIN WILLIAMS #SW7026 "GRIFFIN"	CUSTOM DRYVIT STRATOTONE COLOR
(EF-3)	DRYVIT	MATCH SHERWIN WILLIAMS #SW6258 "TRICORN BLACK"	CUSTOM DRYVIT STRATOTONE COLOR

**METAL SOFFIT PANELS, TRIM, COPING, DOWNSPOUTS AND SCUPPERS**

(MTL-1)	PAC-CLAD	"MATTE BLACK"	KYNAR 500
---------	----------	---------------	-----------

**ALUMINUM STOREFRONT**

(SF-1)	YKK	"BLACK"	
--------	-----	---------	--

**PAINT FINISHES**

TAG	MANUFACTURER	COLOR	DESCRIPTION
(PT-2)	SHERWIN WILLIAMS	#SW7026 "GRIFFIN"	

**BRICK**

(BRK-1)	CHEROKEE BRICK	COLOR: VELOUR MEDIUM GRAY; MORTAR BY CEMEX COLONIAL BUFF #1300	
---------	----------------	--	--

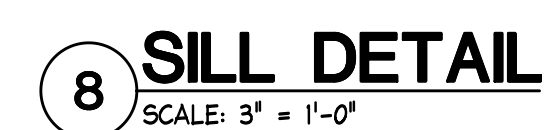
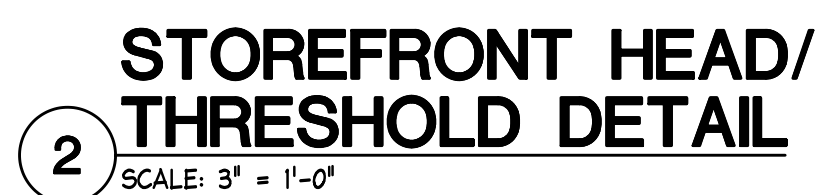
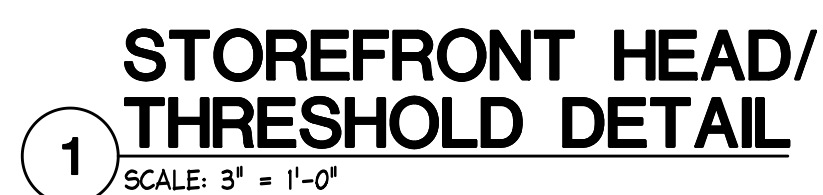
**AWNING FABRIC**

(FB-1)	SUNBRELLA	"BLACK"	FIRE RETARDANT FIRESIST
--------	-----------	---------	-------------------------

**COMPOSITE DECKING**

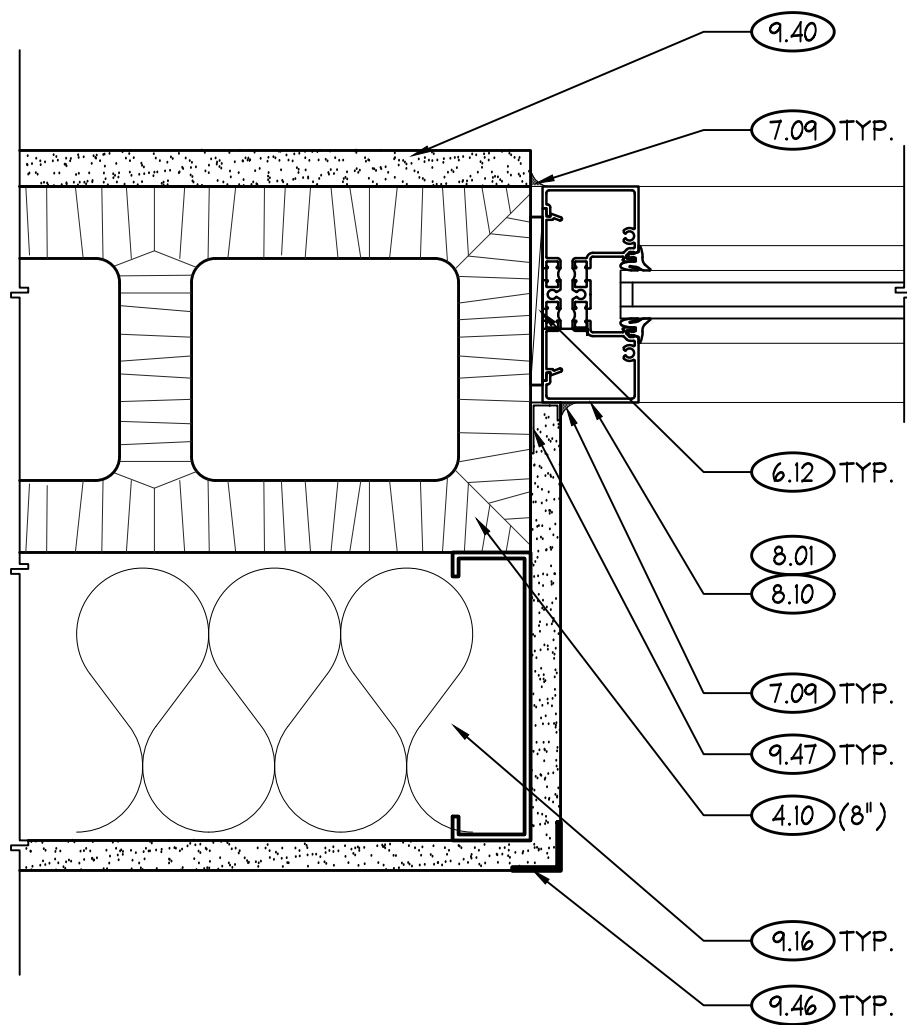
(CMP-1)	AZEK	"ESPRESSO"	
---------	------	------------	--

A4.0

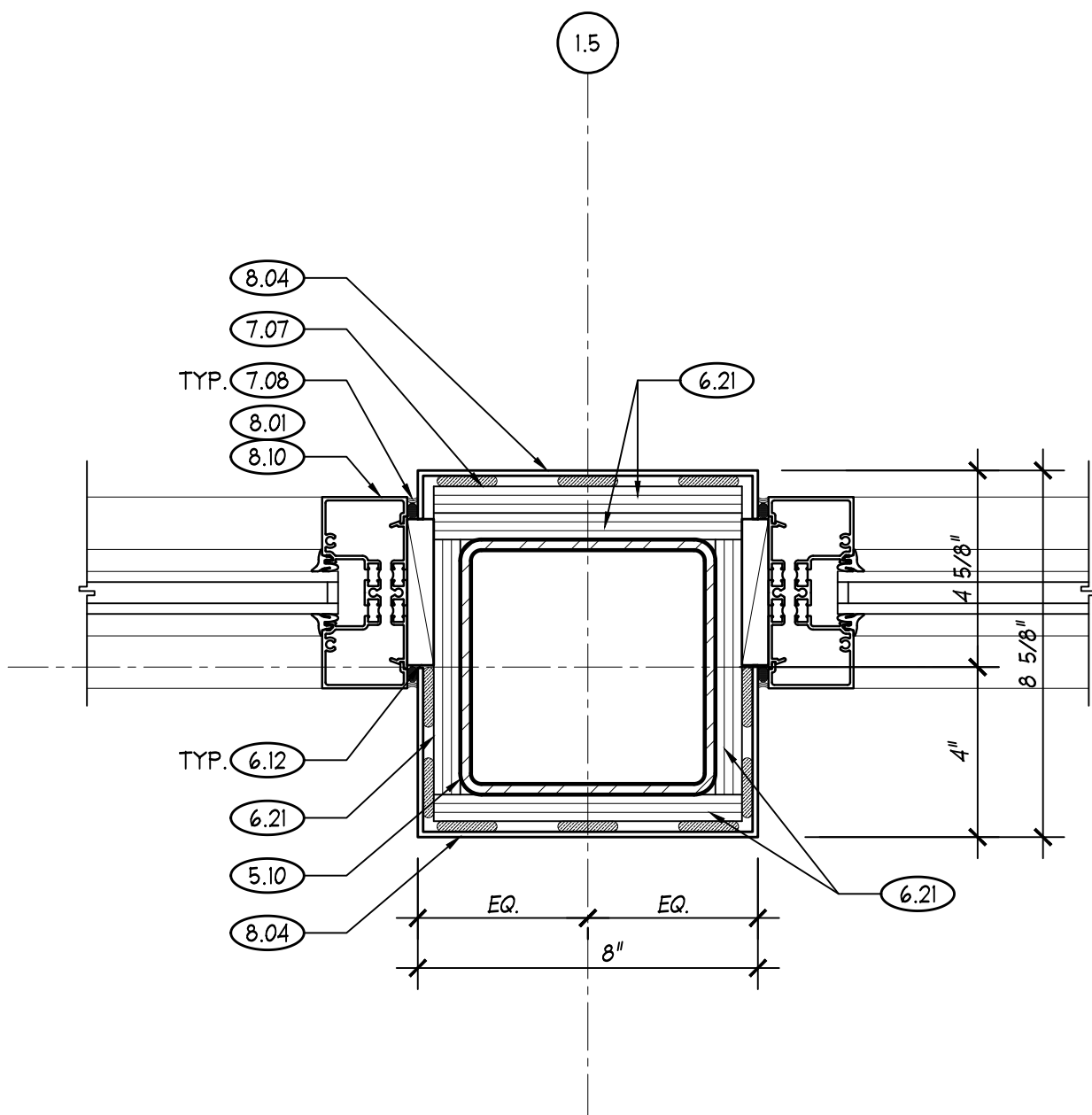


REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

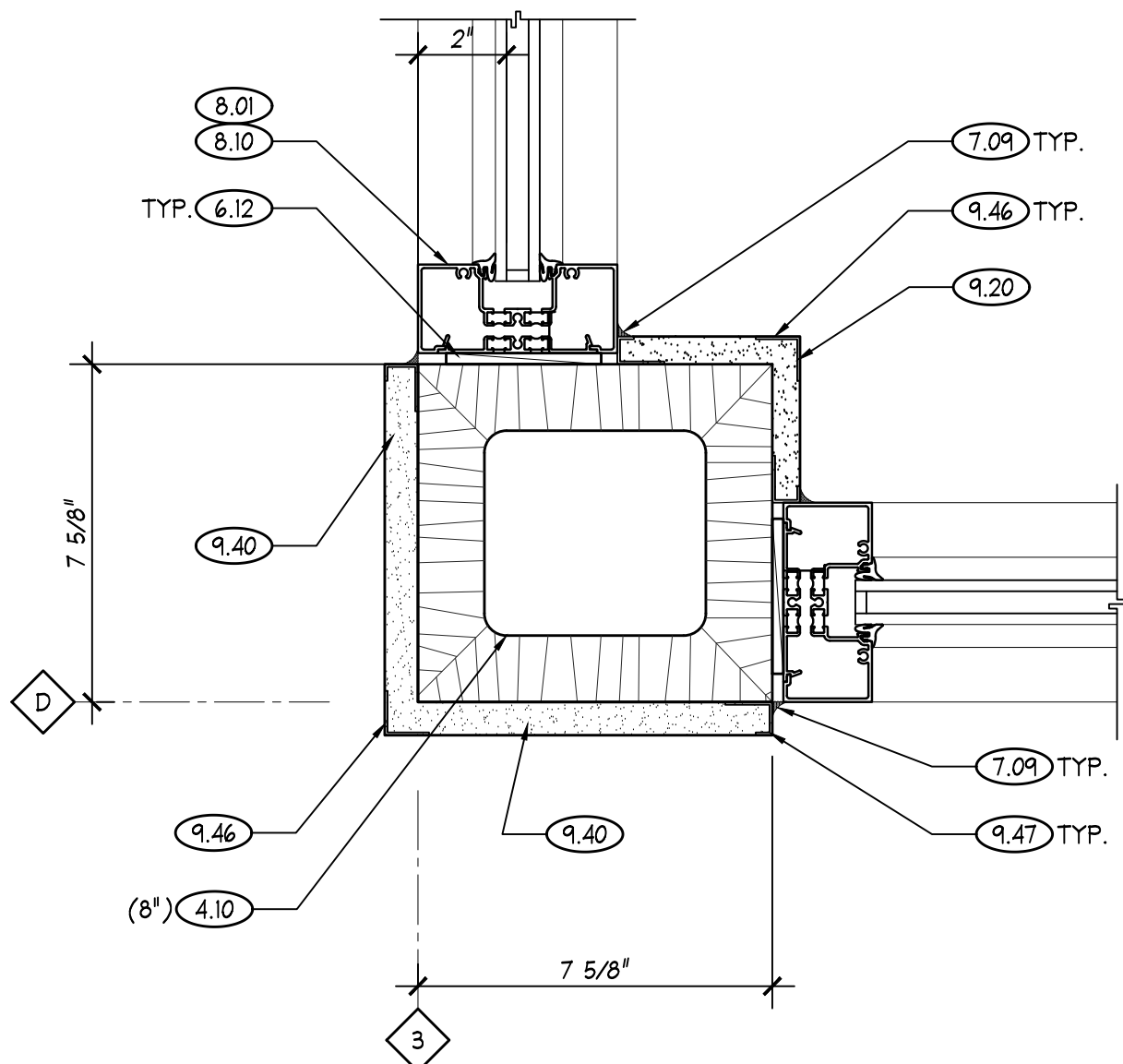
TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.



**1 PLAN DETAIL**  
SCALE: 3" = 1'-0"



**2 PLAN DETAIL**  
SCALE: 3" = 1'-0"



**3 PLAN DETAIL**  
SCALE: 3" = 1'-0"



3336 Grand Blvd. Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

no.	date	revision descriptions
1		

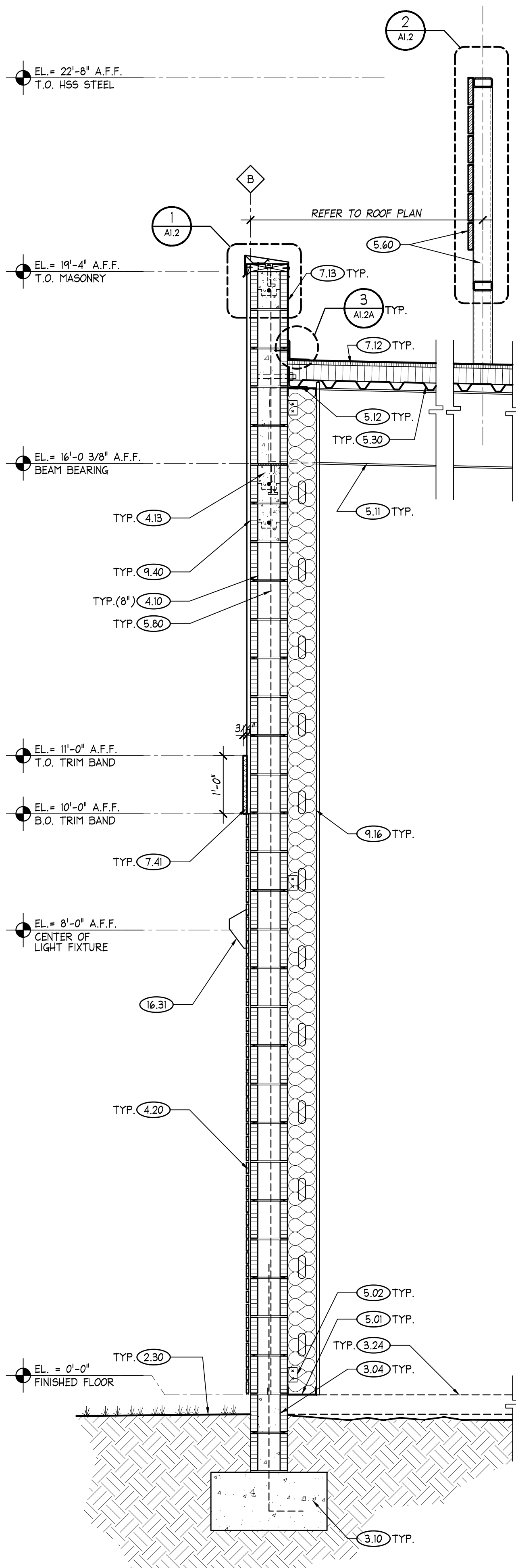
**STARBUCKS**  
**SHELL CONSTRUCTION**  
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

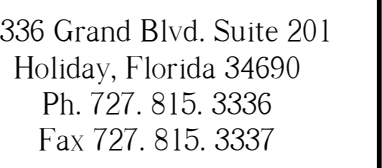
22032  
comm. no.

ENLARGED  
PLAN DETAILS

A4.2



TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.



GUY F. FABER  
L License No. AR0015323

[illegible]

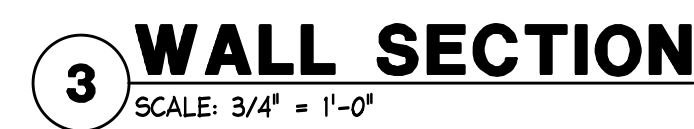
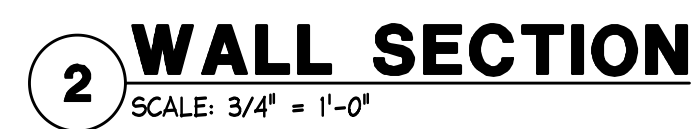
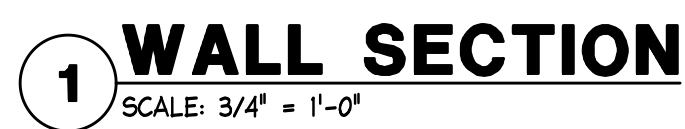
**STARBUCKS**  
**SHELL CONSTRUCTION**

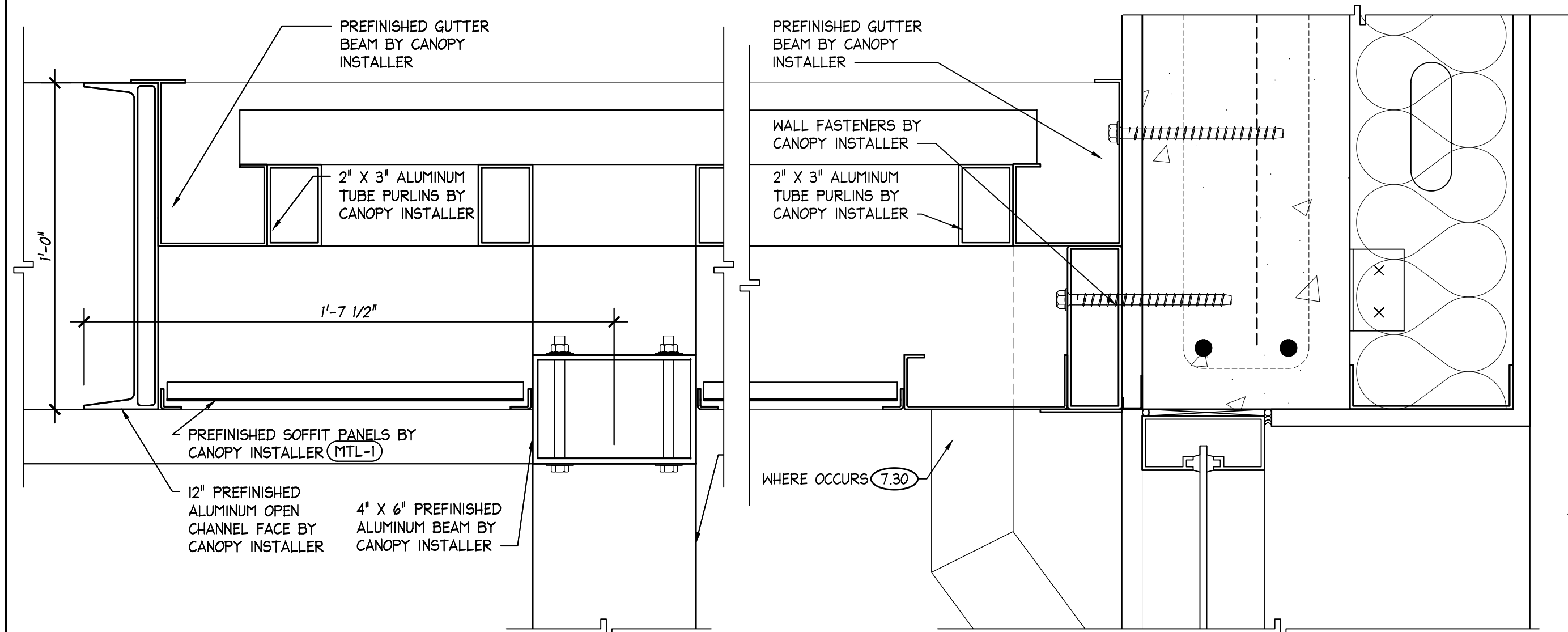
---

BAYSIDE LAKES BLVD  
PALM BAY, FL

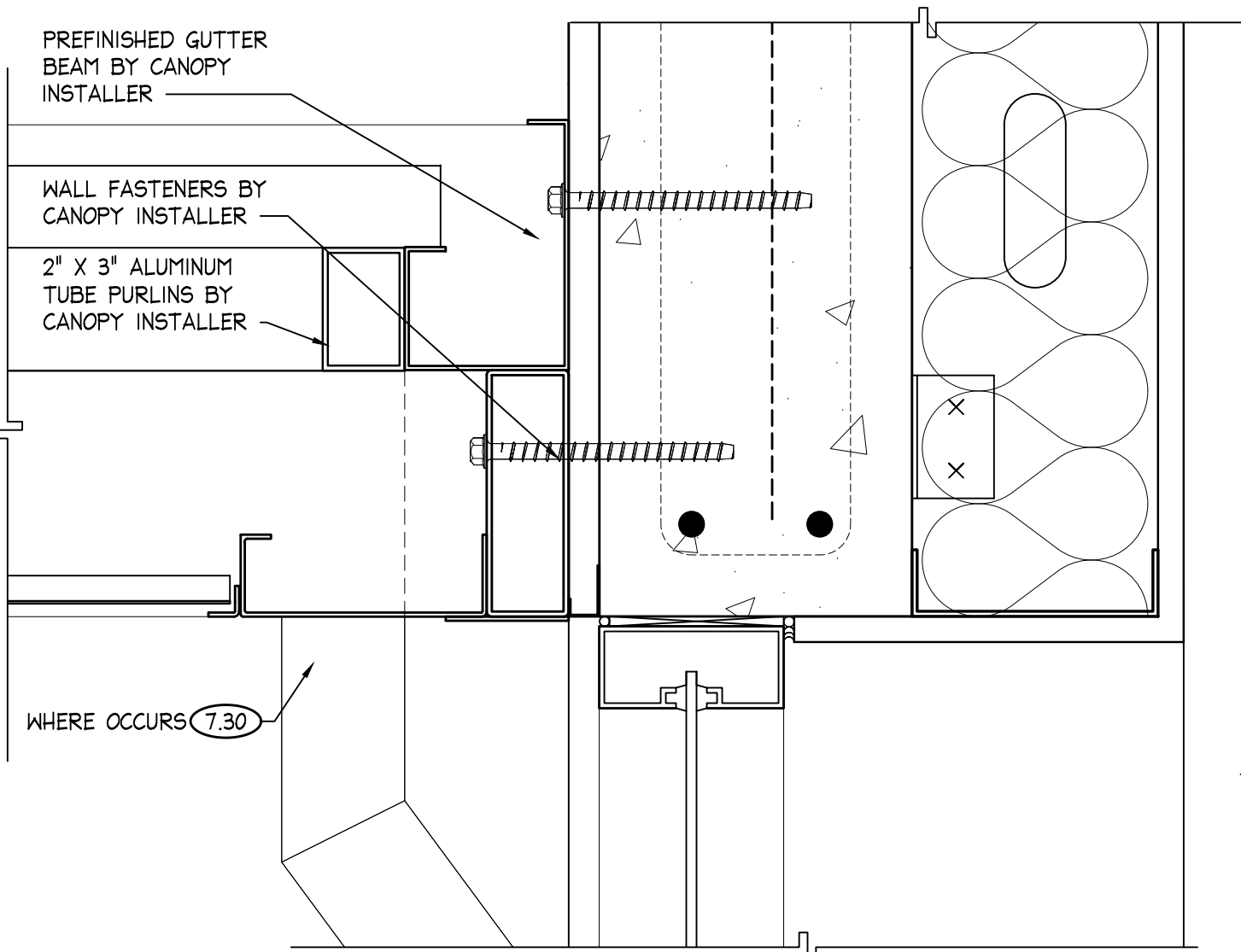
12.02.2022	date
22032	comm. no.
ALL SECTIONS	

## A5.1

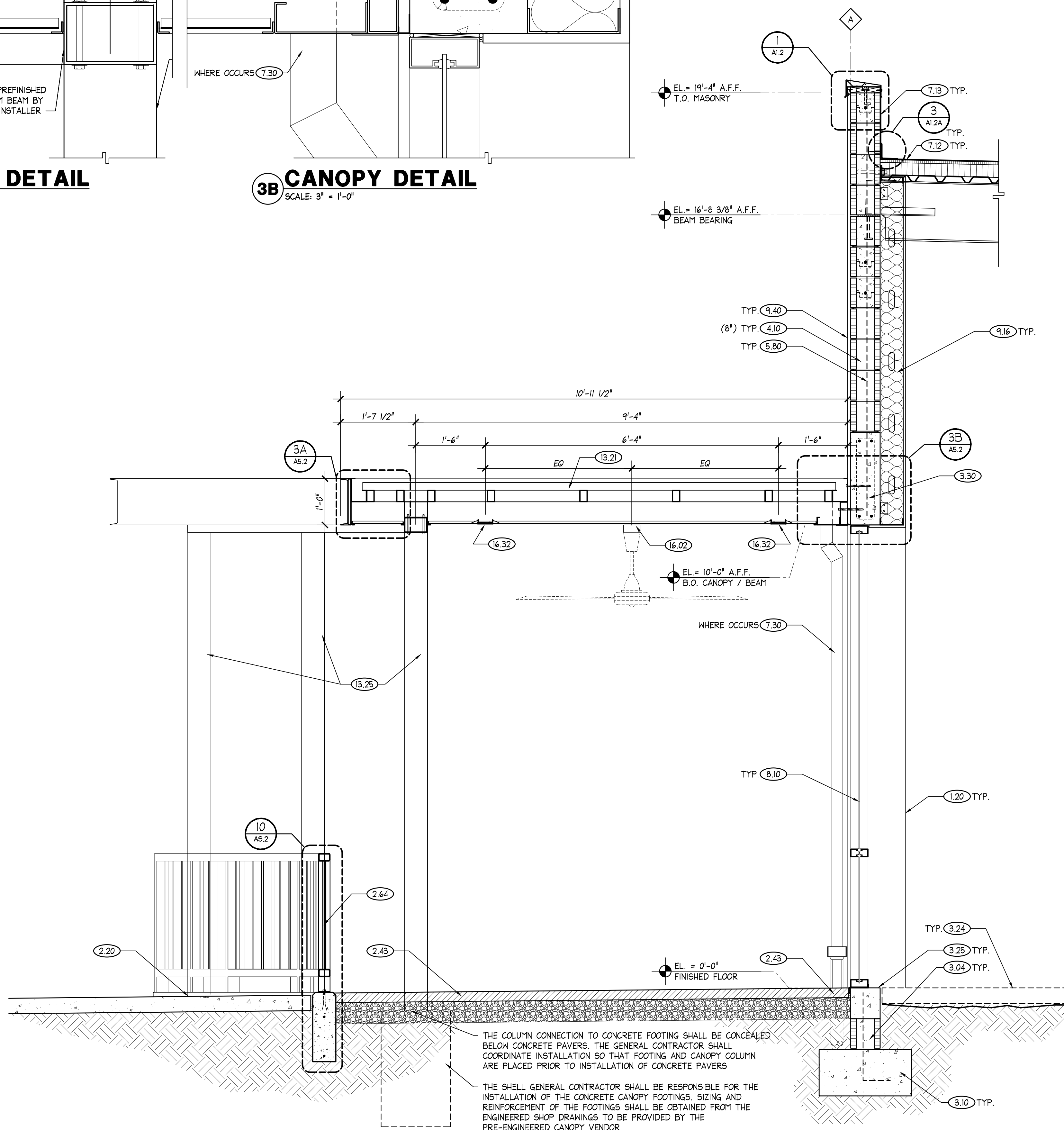




**3A CANOPY DETAIL**  
SCALE: 3" = 1'-0"



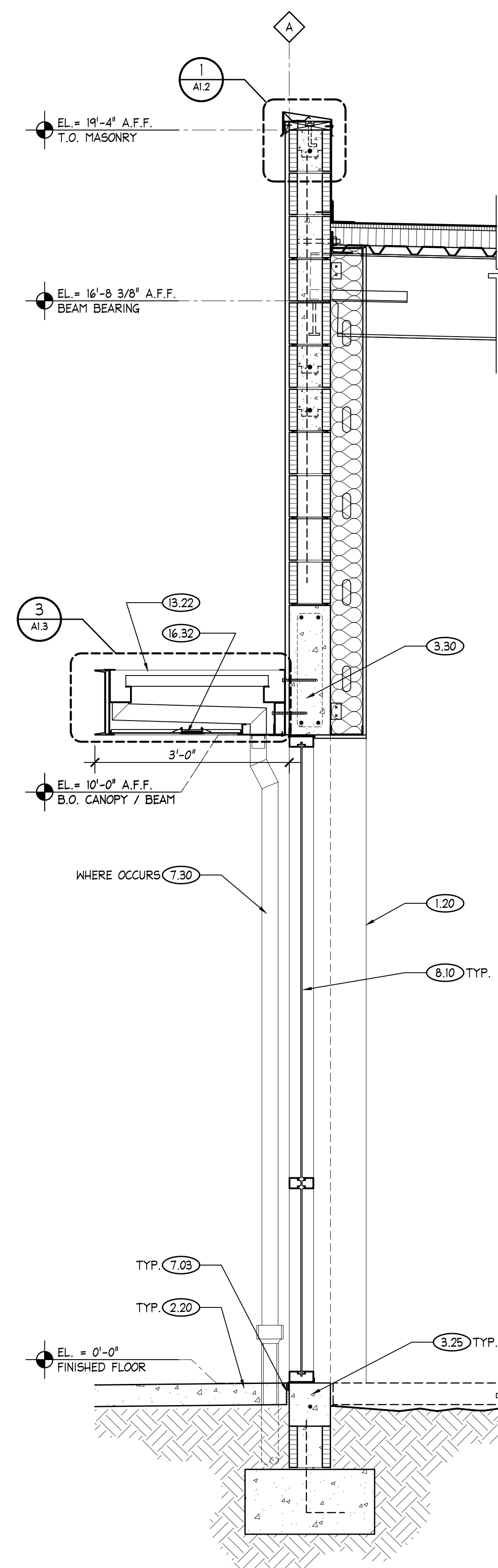
**3B CANOPY DETAIL**  
SCALE: 3" = 1'-0"



**1 WALL SECTION**  
SCALE: 3/4" = 1'-0"

REFER TO SHEET A0.3 FOR THE KEYNOTES REFERENCED THROUGHOUT THE CONSTRUCTION DRAWINGS

TO THE FULLEST EXTENT POSSIBLE, BUILDING COMPONENTS WILL BE MARKED AS 'TYPICAL' (TYP.). WHERE SO, KEYED NOTES WILL NOT BE DUPLICATED FOR COMPONENTS OF LIKE KIND. SHOULD THE CONTRACTOR REQUIRE CLARIFICATION OF ANY SUCH COMPONENT, A REQUEST FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO BID.



**2 WALL SECTION**  
SCALE: 3/4" = 1'-0"



3336 Grand Blvd. Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER  
FL License No. AR0015323

no.	date	revision descriptions
1		

**STARBUCKS  
SHELL CONSTRUCTION**  
BAYSIDE LAKES BLVD  
PALM BAY, FL

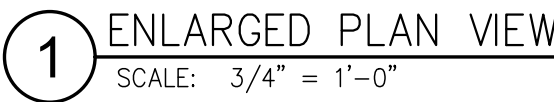
12.02.2022  
date

22032  
comm. no.

WALL SECTIONS

A5.2





FOOTING SCHEDULE				
MARK	SIZE	DEPTH	REINFORCING	COMMENTS
WF2	2'-0" WIDE X CONT.	1'-0"	(3) #5 CONT. W/ #5 TRANSV. AT 48" O.C. BOTTOM	WALL FOOTING
F2.5	2'-6" DIAMETER	5'-0"	(5) #6 VERTICAL W/ #3 TIES AT 12" O.C.	CANOPY FOOTING
F4	4'-0" X 4'-0"	1'-0"	(4) #5 EACH WAY, BOTTOM	COLUMN FOOTING

- # FOUNDATION PLAN NOTES:
1. FUTURE SLAB-ON-GRADE TO BE 4" THICK (3,000 PSI MIN.) WITH 6x6 - W1.4xW1.4 W.W.F. ON 15 MIL VAPOR RETARDER OVER COMPACTED AND TERMITE TREATED SOIL. SLAB TO BE LEVEL (1/64" PER FOOT OR LESS), SMOOTH, CLEAN AND WITH SEALED CONTROL JOINTS. INSTALL FUTURE SLAB CONTROL JOINTS AT  $\pm 15'-0"$  O.C. EACH WAY. JOINT PATTERN SHALL BE APPROXIMATELY SQUARE, AND LIMITED TO AN AREA NOT EXCEEDING 255 SQUARE FEET. REFER TO 1/S4.1 FOR CONTROL JOINT DETAIL.
  2. TOP OF SLAB ELEVATION = 0'-0" U.N.O.  
TOP OF EXTERIOR FOOTING ELEVATION = (-) 1'-4" U.N.O.
  3. CENTER ALL FOOTINGS BELOW WALL OR COLUMN U.N.O.
  4. ALL FOOTING REINFORCING TO BE BOTTOM BARS U.N.O.
  5. REFER TO ARCHITECTURAL/CIVIL FOR EXTERIOR SLABS, PAVERS, AND SIDEWALK INFORMATION.
  6. REFER TO ARCHITECTURAL/PLUMBING DRAWINGS FOR FIXTURE/DRAIN LOCATIONS AND REQUIREMENTS.
  7. REFER TO THIS PLAN FOR MASONRY CONTROL JOINT (M.C.J.) LOCATIONS. REFER TO 3/S4.1 FOR MASONRY CONTROL JOINT DETAIL.
  8. ALL WALL FOOTINGS TO BE TYPE "WF2" U.N.O.
  9. REFER TO 7/S4.1 FOR PIPE PENETRATION DETAIL.
  10. PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTIONS OF CONTINUOUS FOOTINGS. REFER TO DETAIL 2/S4.1 FOR MORE INFO.
  11. REFER TO 1/S0.1 FOR DESIGN WIND CRITERIA.
  12. REFER TO CIVIL DRAWINGS FOR LOCATION AND ORIENTATION OF THE BUILDING ON THE SITE.

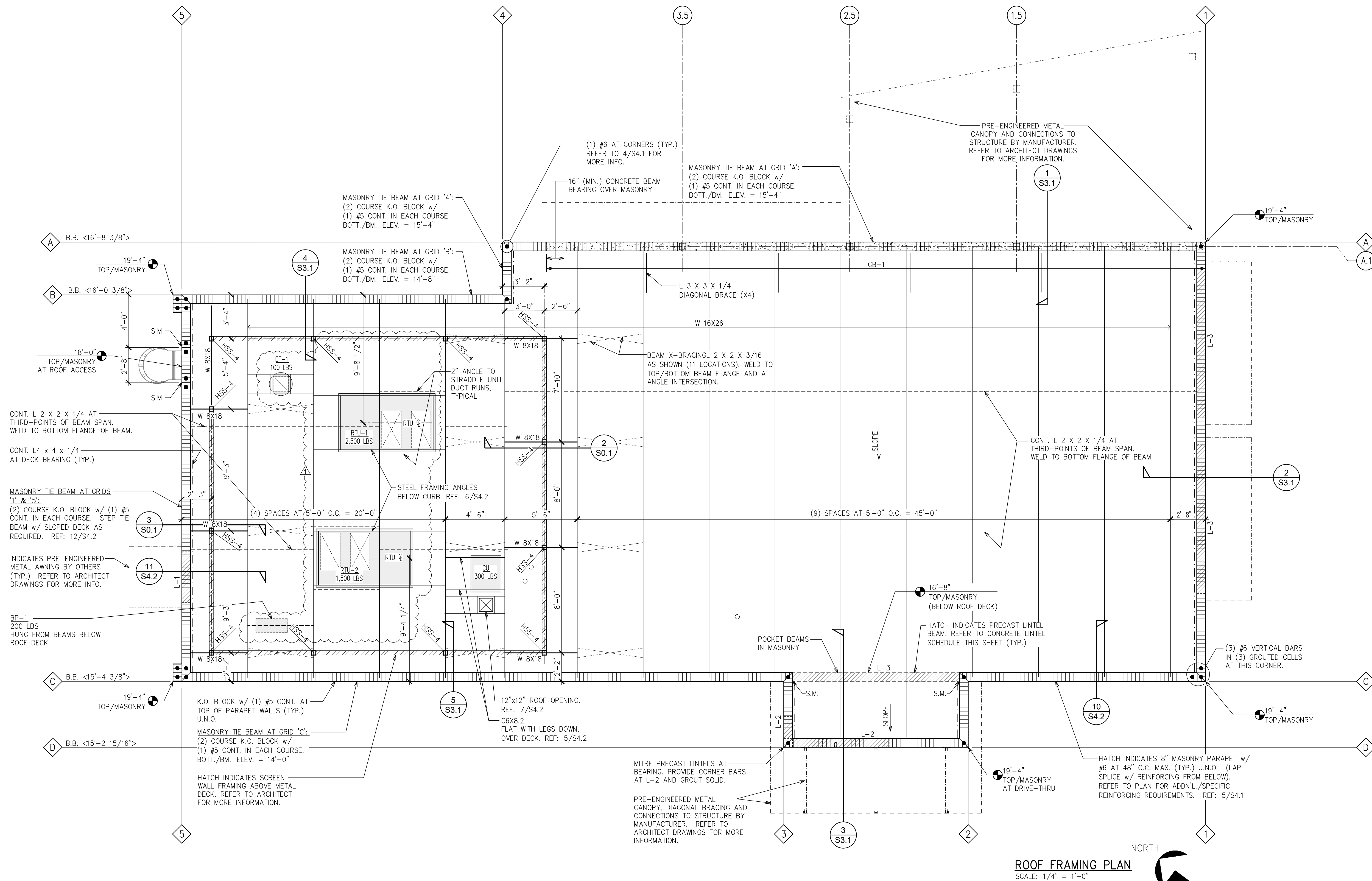
REVISION	DATE	REVISION DESCRIPTIONS
1	10.17.2023	REVISED PER BUILDING PERMIT COMMENTS & TENANT COORD.

**STARBUCKS**  
**SHELL CONSTRUCTION**  
BAYSIDE LAKES BLVD  
PALM BAY, FL

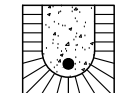
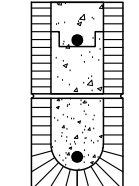
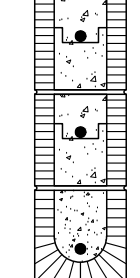
12.02.2022  
date  
22032  
comm. no.

**ROOF FRAMING PLAN**

**S2.1**



CONCRETE LINTEL SCHEDULE			
MARK	SIZE	REINFORCING BARS	COMMENTS
L-1	8" X 8"	(1) #5 CONT.	TYPE A
L-2	8" X 16"	(2) #5 CONT.	TYPE B
L-3	8" X 24"	(3) #5 CONT.	TYPE C

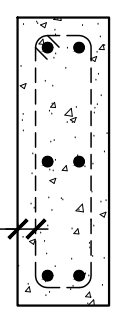




(TYPE A) (TYPE B) (TYPE C)

**NOTES:**

- REFER TO 6/S4.1 FOR ADDITIONAL PRECAST LINTEL REQUIREMENTS.
- ALL LINTELS AND KNOCK-OUT BLOCKS TO BE GROUTED SOLID.

CONCRETE BEAM SCHEDULE				
MARK	SIZE	REINFORCING		COMMENTS
		CONT. BARS	STIRRUPS	
CB-1	8" X 24"	(2) #6 TOP, MID., AND BOTTOM	#3 AT 8" O.C.	TYPE A (BOTT./BM. = 10'-0")



1 1/2" CLR. TYP.  
(TO STIRRUPS)

(TYPE A)

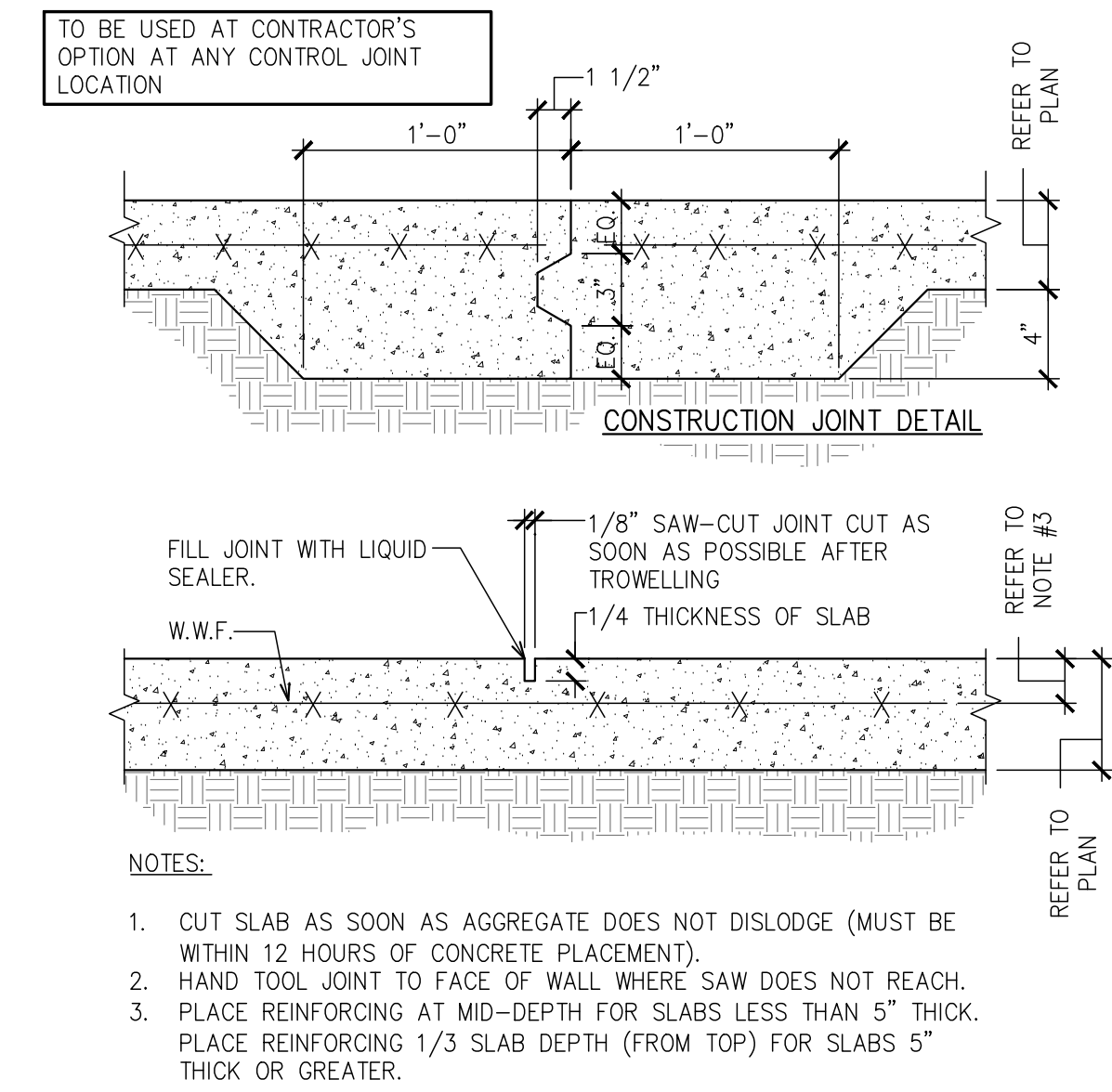
NOTES:

- REFER TO 2/S4.2 FOR TYPICAL CONCRETE BEAM REINFORCING DETAIL.
- BEAM DEPTHS MAY BE INCREASED AS REQUIRED FOR MASONRY COURSING. COORDINATE WITH ARCHITECTURAL REQUIREMENTS.

**ROOF FRAMING PLAN NOTES:**

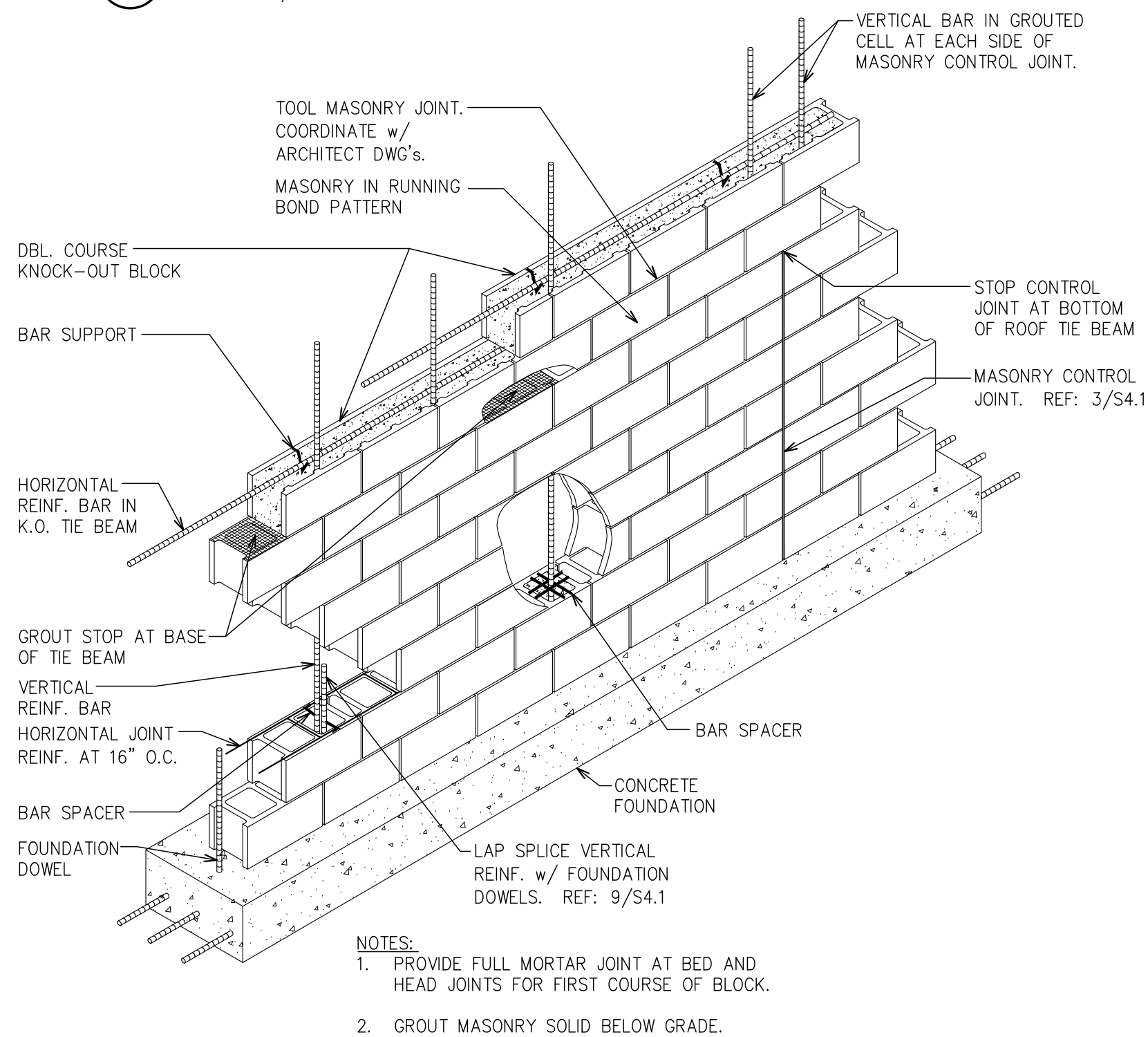
- METAL ROOF DECK AT MAIN BUILDING SHALL BE 1 1/2" DEEP, 22 GA., GALVANIZED (G60), TYPE "B". FASTEN ROOF DECK w/ (7) 5/8" DIAMETER PUDDLE WELDS AT EACH SUPPORT AND (5) #10 TEK SCREW SIDELAP FASTENERS EQUALLY SPACED BETWEEN SUPPORTS. REFER TO 4/S4.2
- BEAM SPACING = SEE PLAN
- ROOF SLOPE = 1/4" PER FOOT (MIN.) U.N.O.
- CONTRACTOR TO COORDINATE SIZE, WEIGHT, AND LOCATION OF MECHANICAL EQUIPMENT AND PENETRATIONS WITH MECHANICAL EQUIPMENT SHOP DRAWINGS PRIOR TO BEAM FABRICATION. REFER TO DETAILS 6/S4.2 AND 7/S4.2
- MECHANICAL CONTRACTOR SHALL VERIFY THAT WEIGHT OF ACTUAL EQUIPMENT INSTALLED DOES NOT EXCEED MAXIMUM OPERATING WEIGHT OF EQUIPMENT SHOWN ON PLAN.
- B.B. < > = BEAM BEARING ELEVATION U.N.O. REFER TO PLAN.
- S.M. = INDICATES STEP TOP/MASONRY PARAPET.
- REFER TO 1/S0.1 FOR DESIGN WIND CRITERIA.



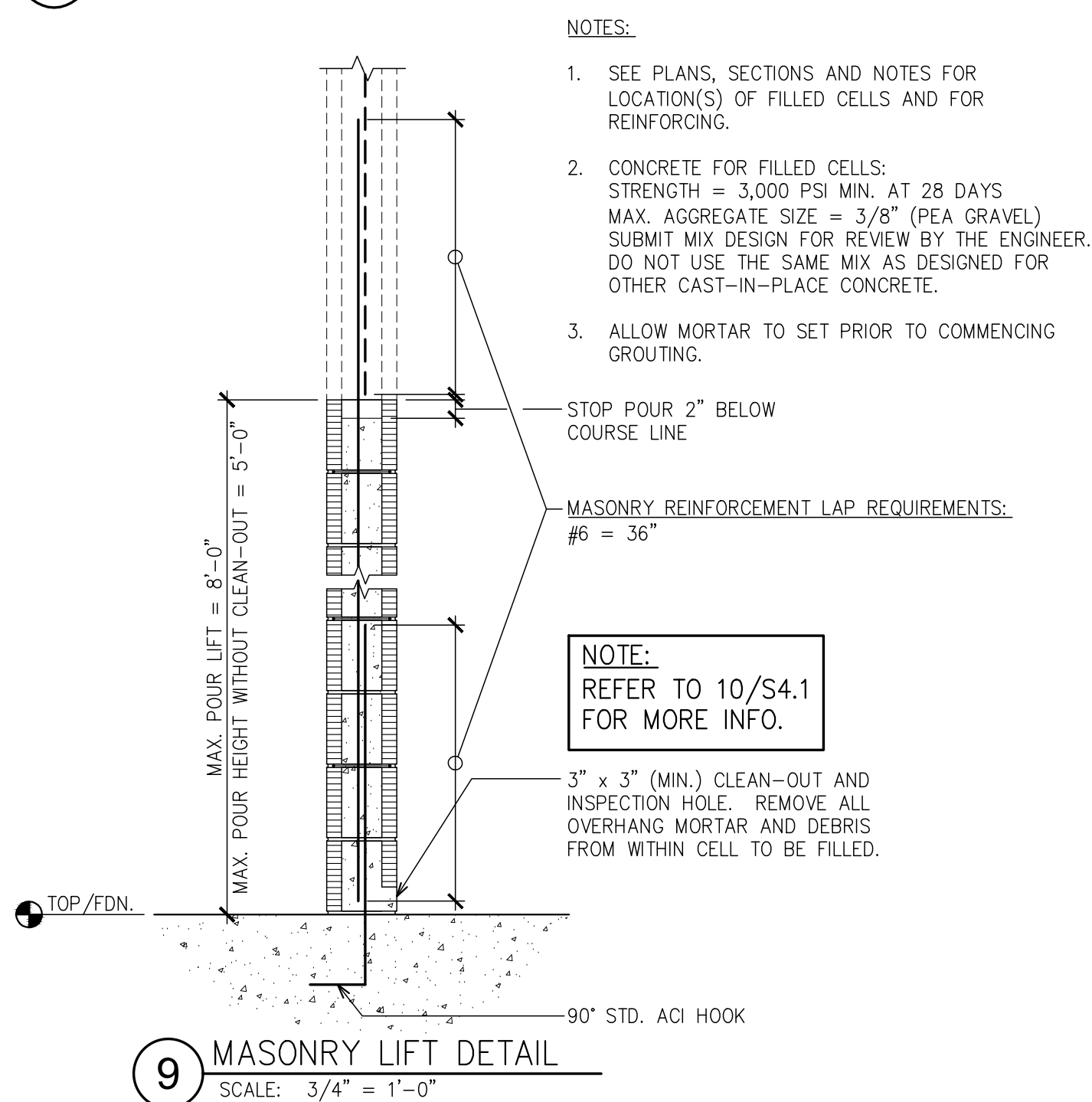


**CONTROL JOINT DETAIL**

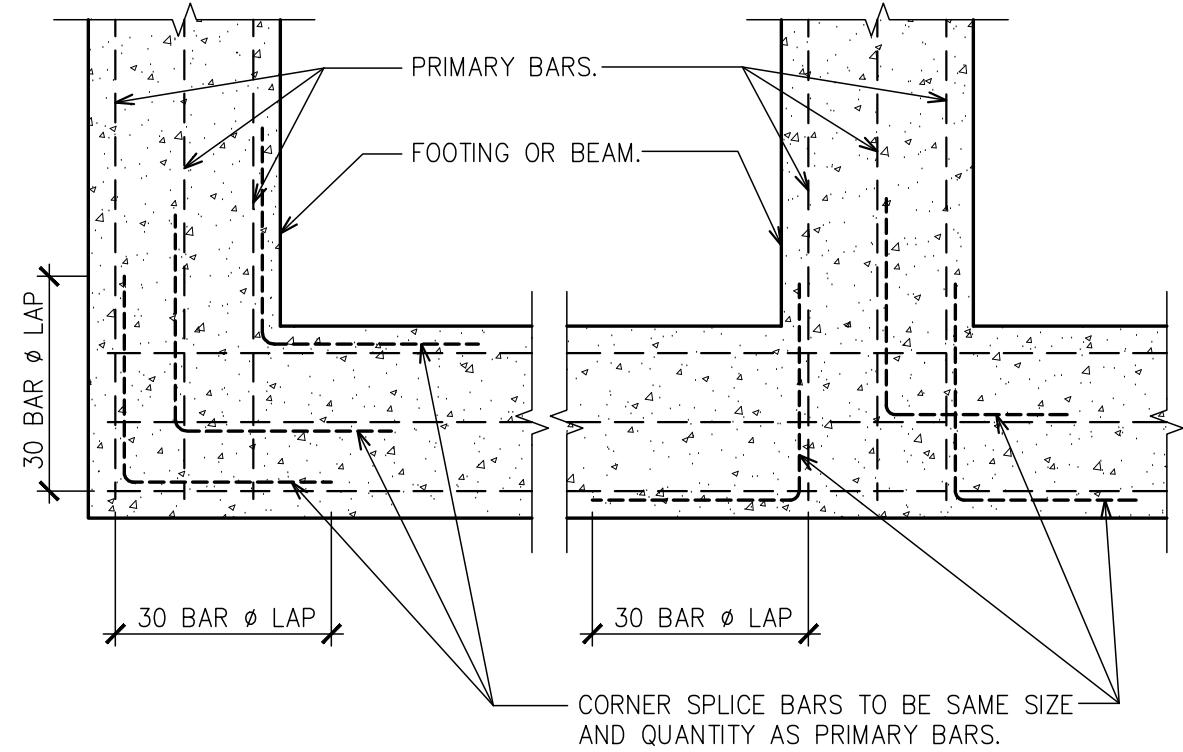
**1 FUTURE CONTROL AND CONSTRUCTION JOINT**  
SCALE: 1 1/2" = 1'-0"



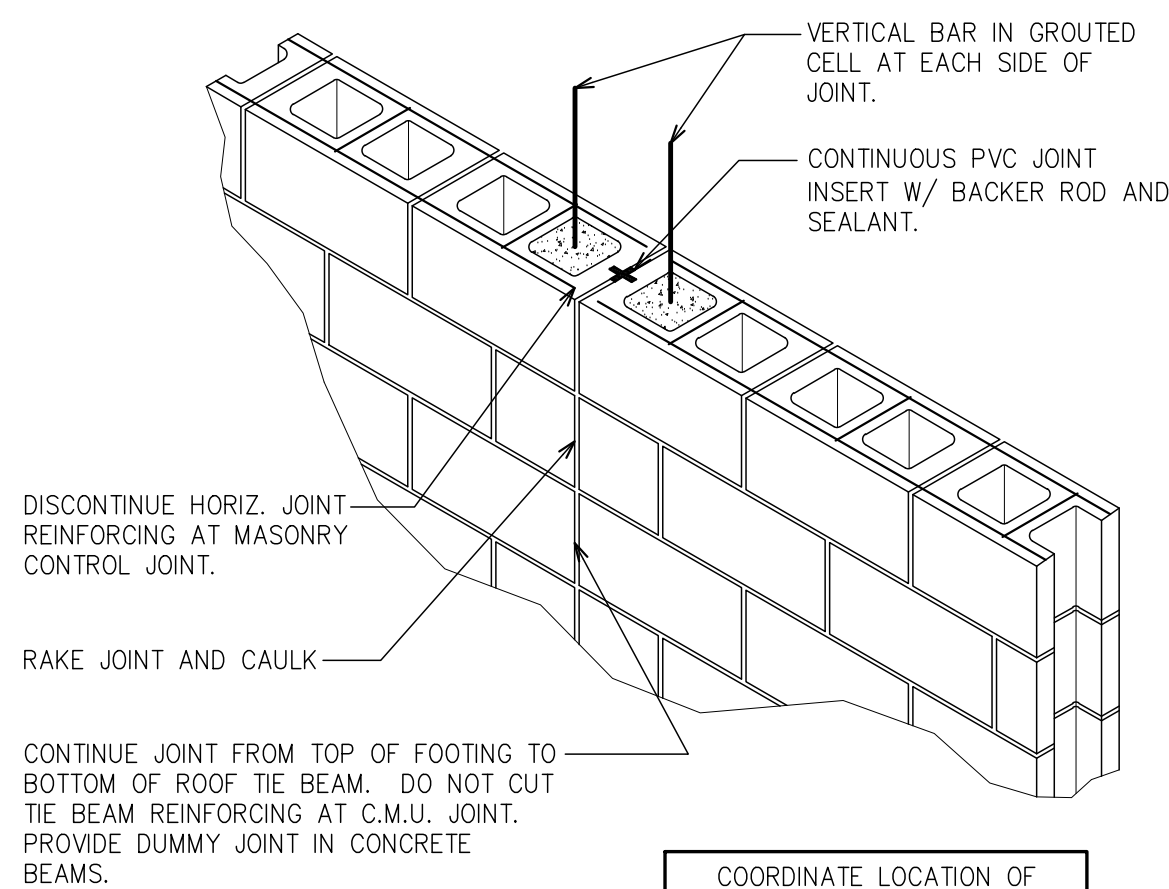
**5 TYPICAL MASONRY CONSTRUCTION**  
NOT TO SCALE



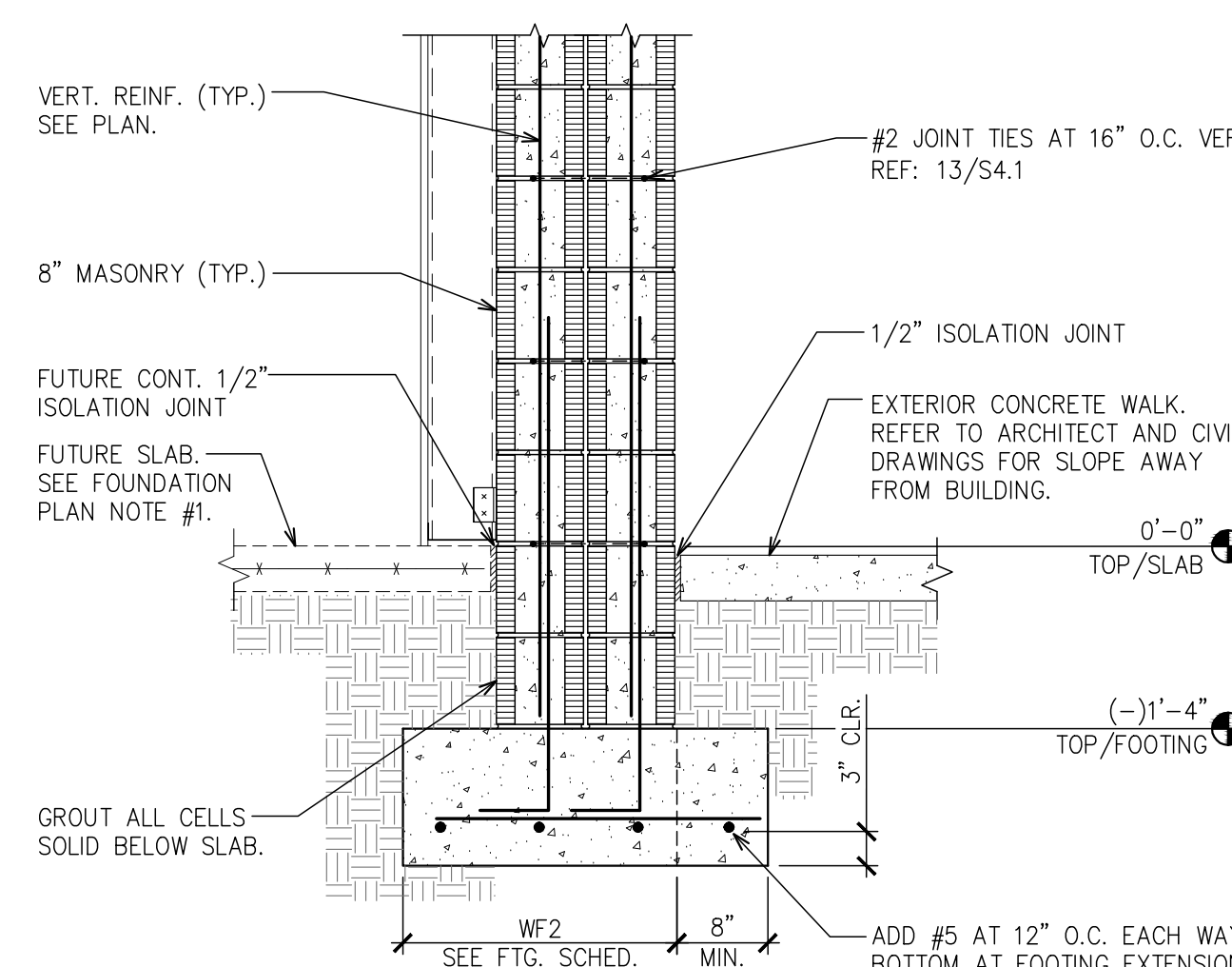
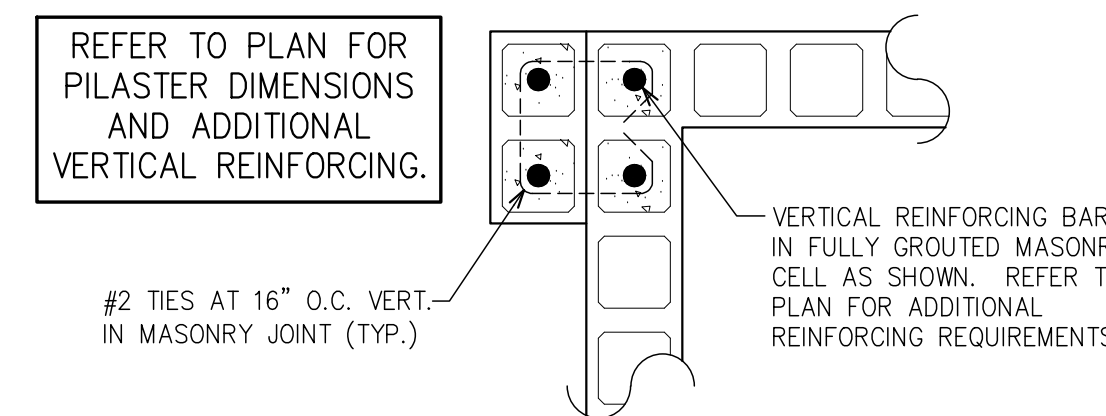
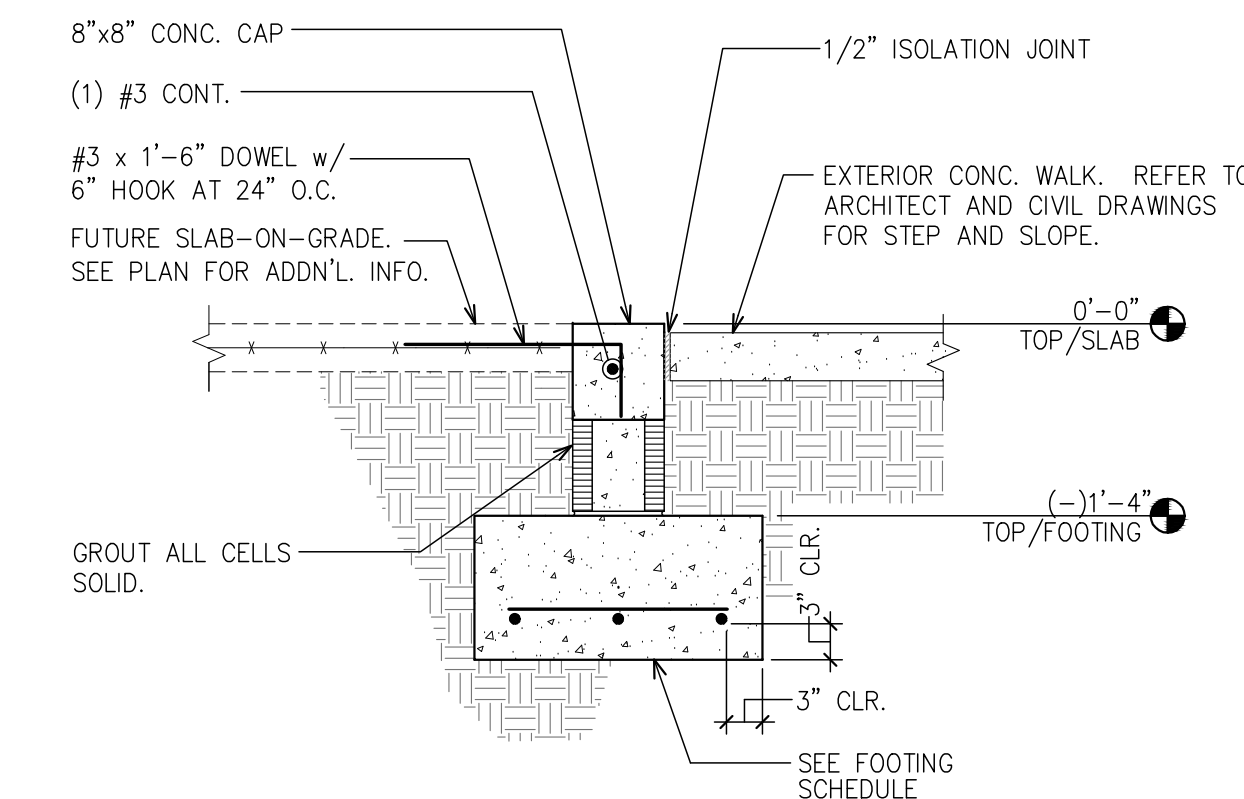
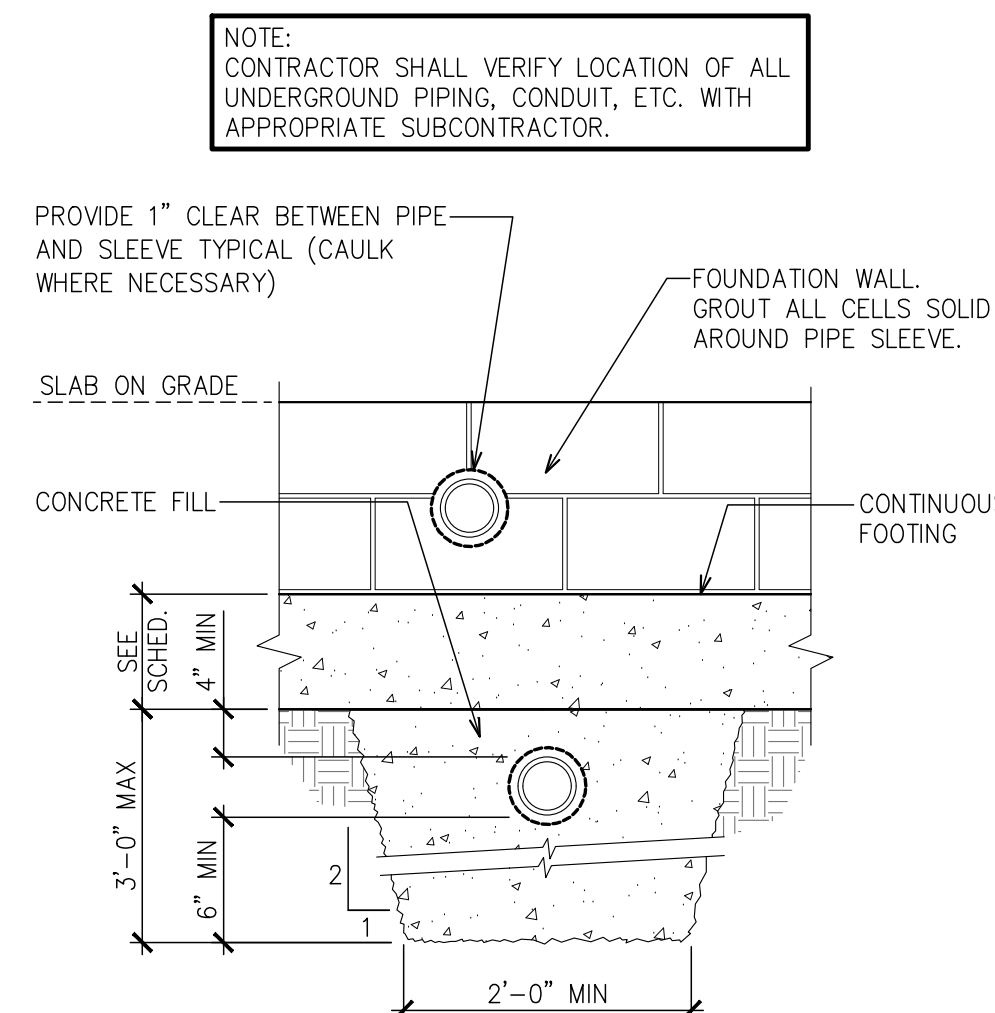
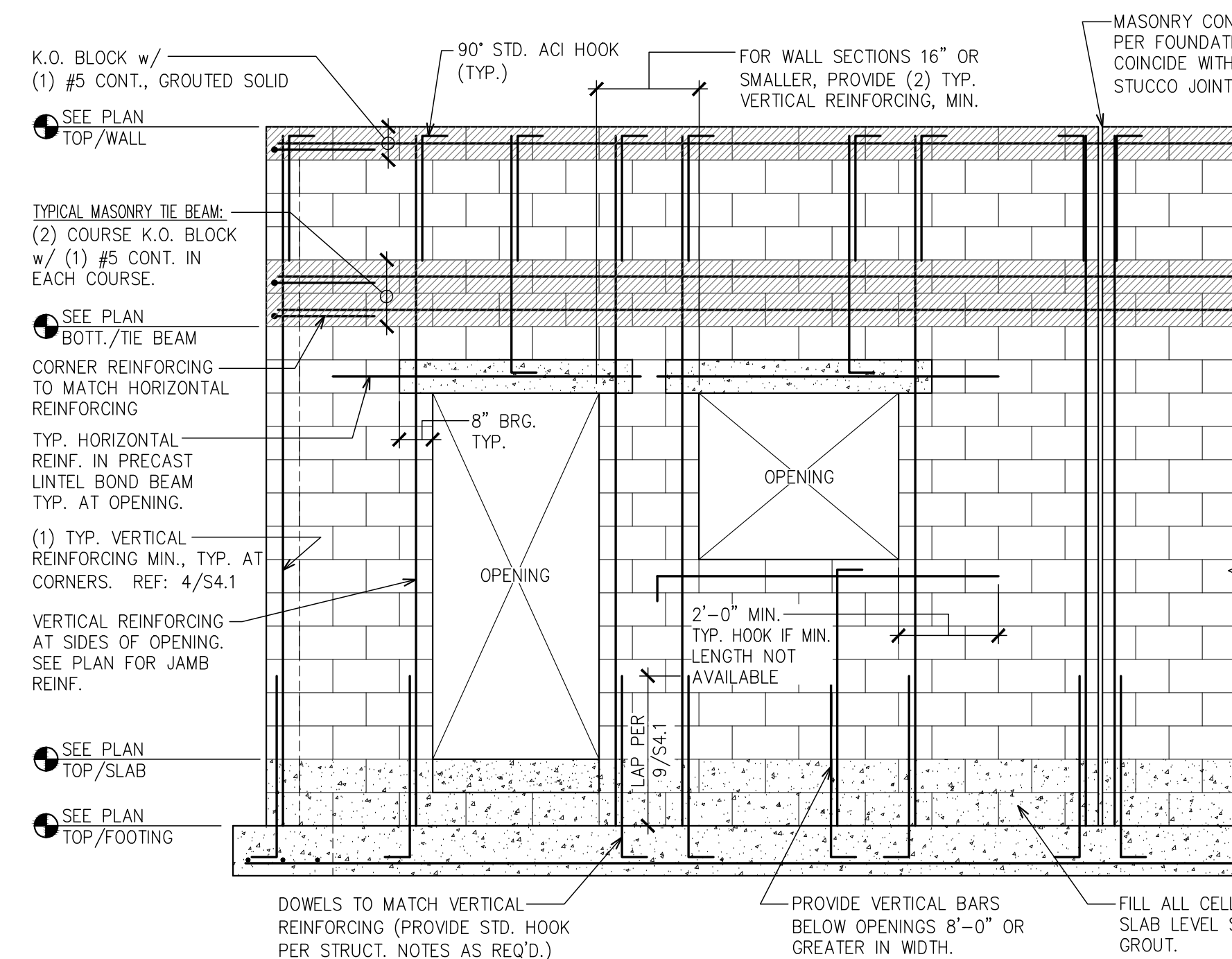
**9 MASONRY LIFT DETAIL**  
SCALE: 3/4" = 1'-0"



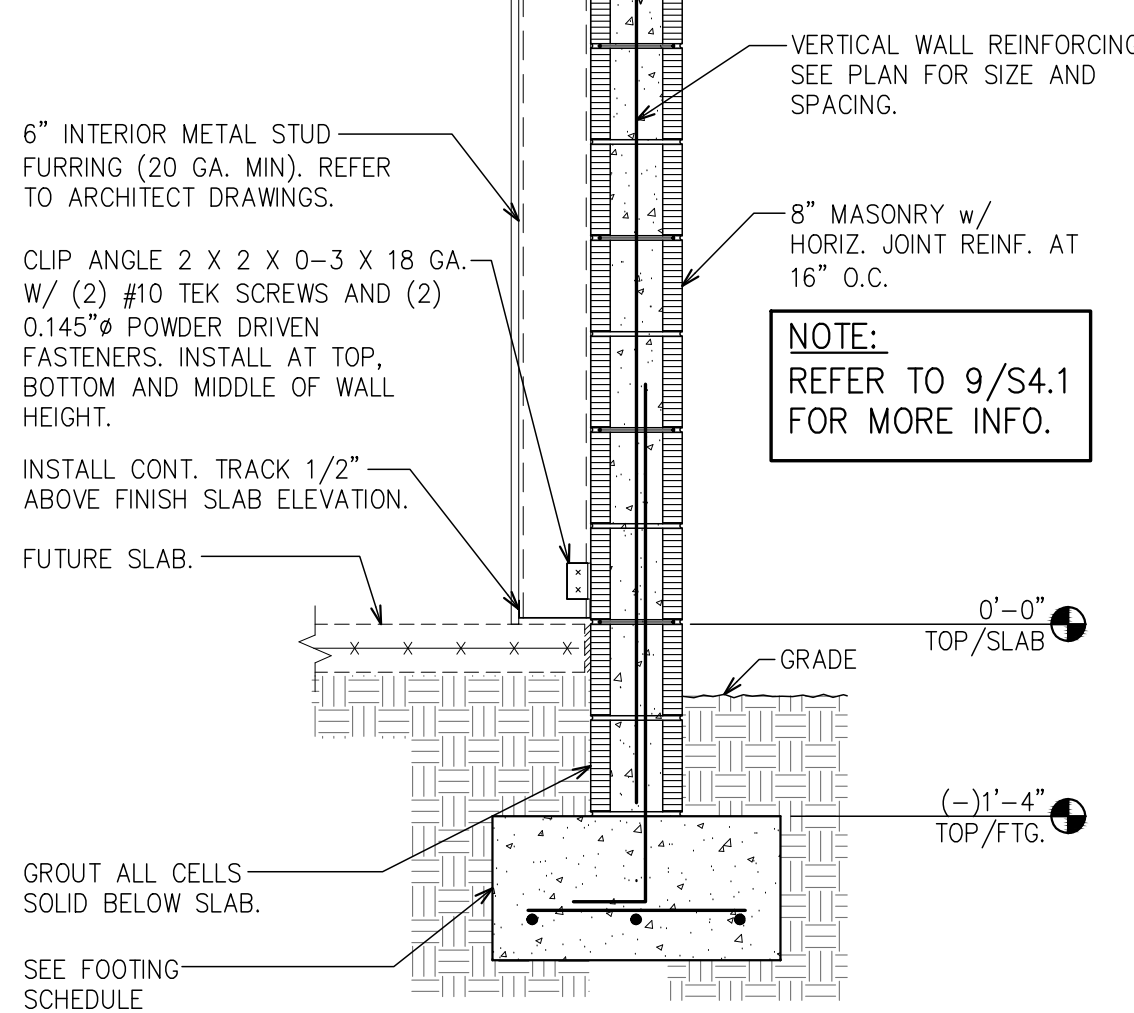
**2 CORNER BAR DETAIL**  
NOT TO SCALE



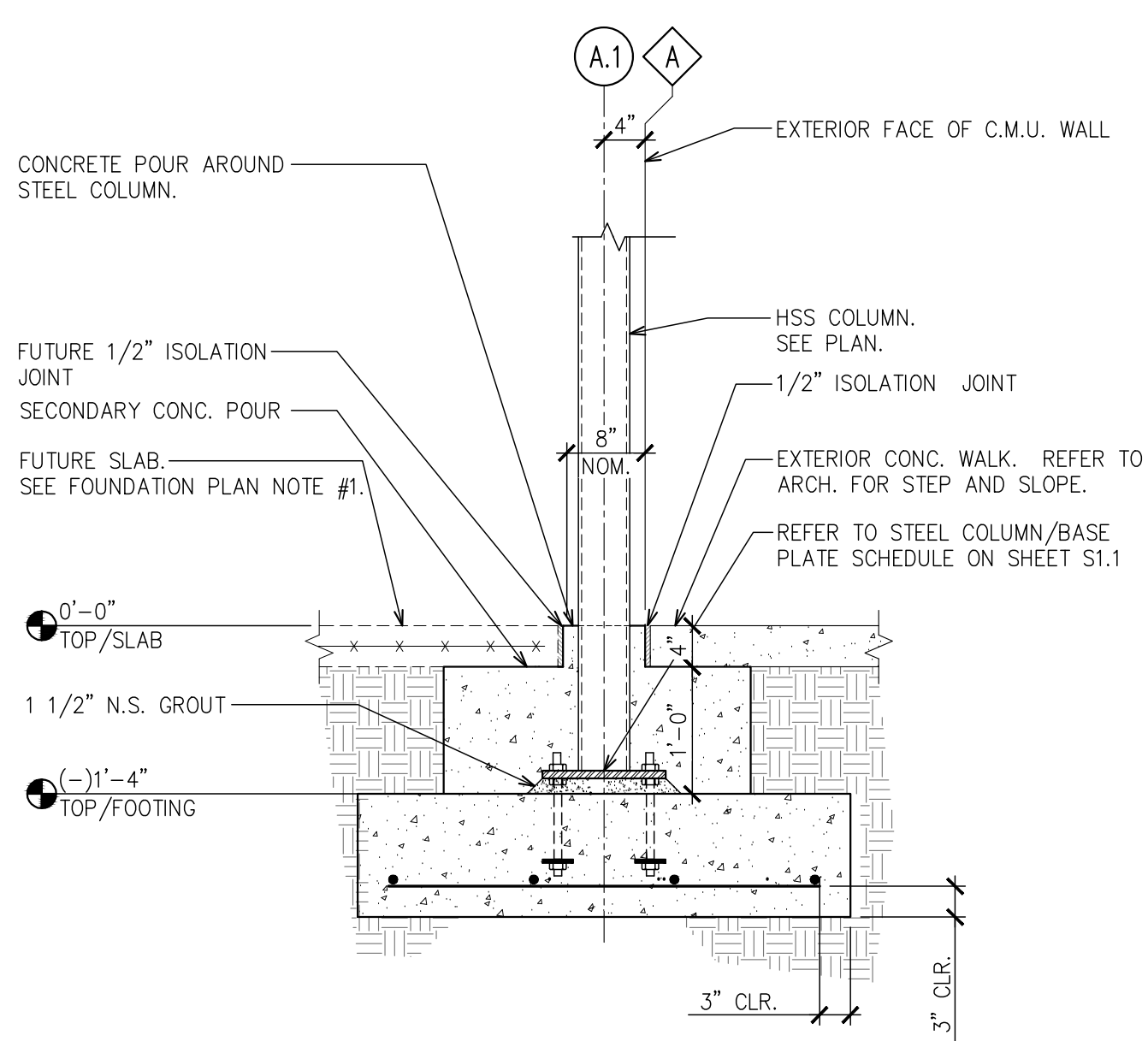
**3 MASONRY CONTROL JOINT DETAIL**  
SCALE: 1 1/2" = 1'-0"



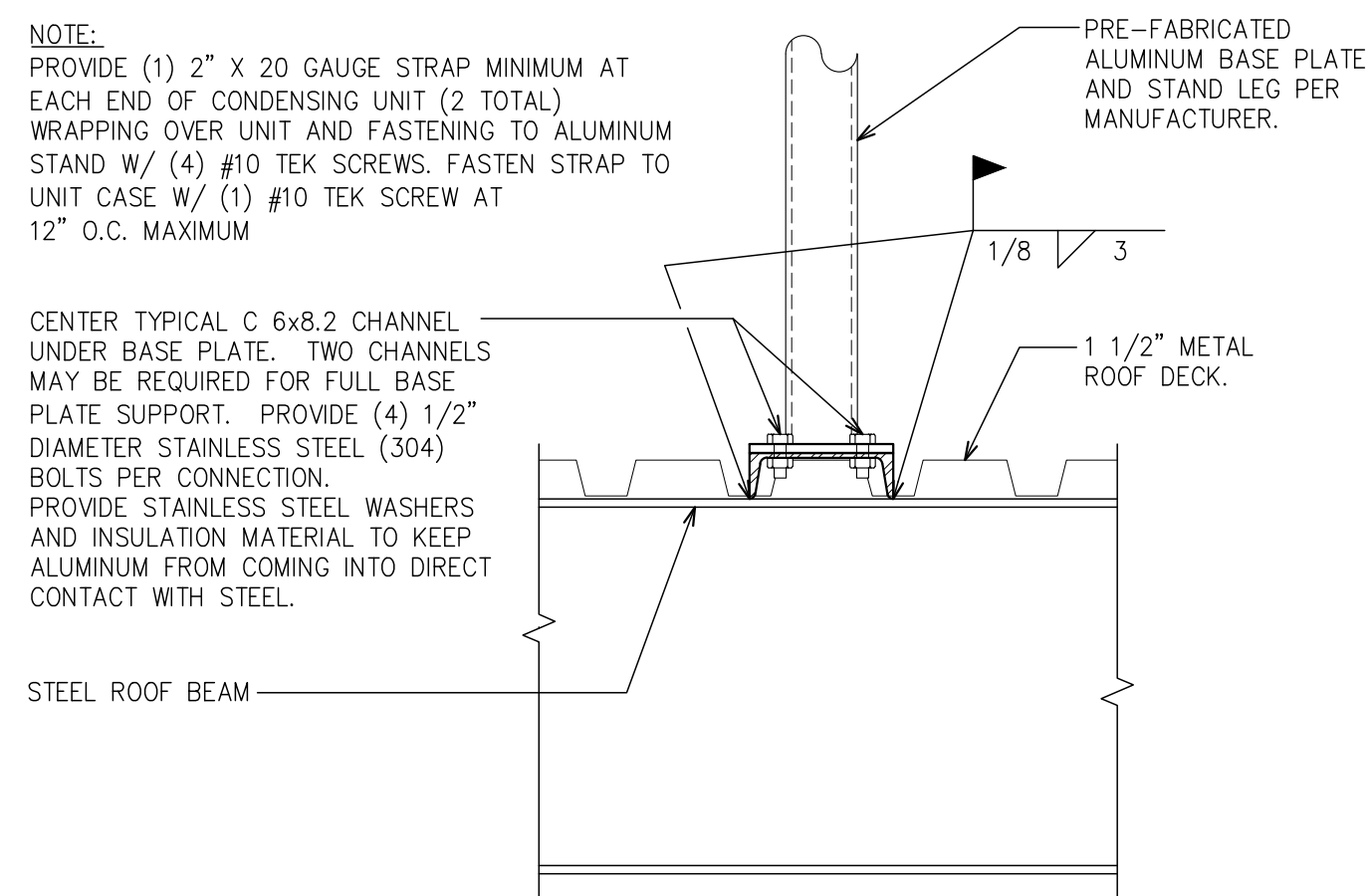
**11 NOT USED**



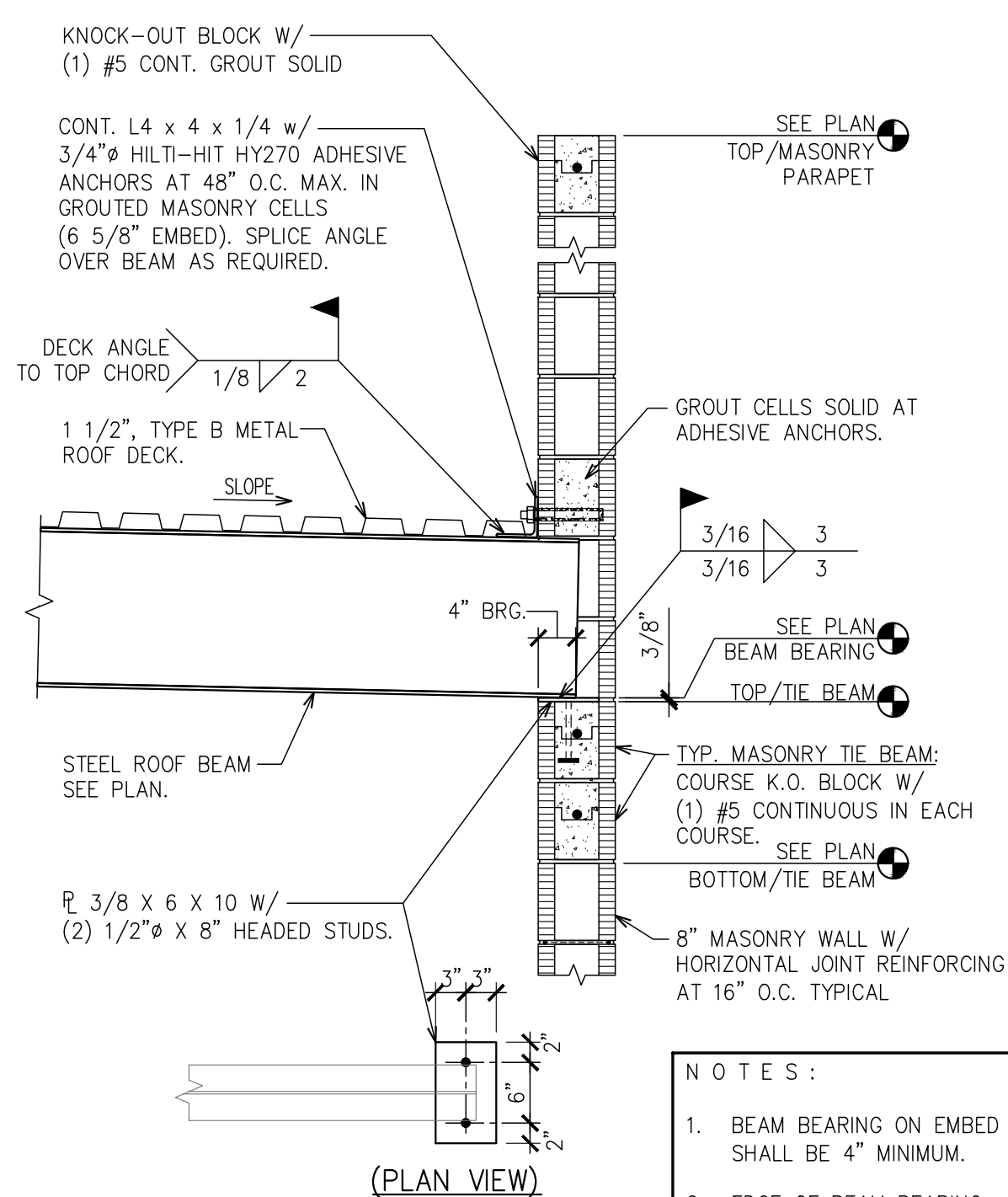
revision descriptions	date	no.



**1 STEEL COLUMN FOUNDATION**  
SCALE: 3/4" = 1'-0"

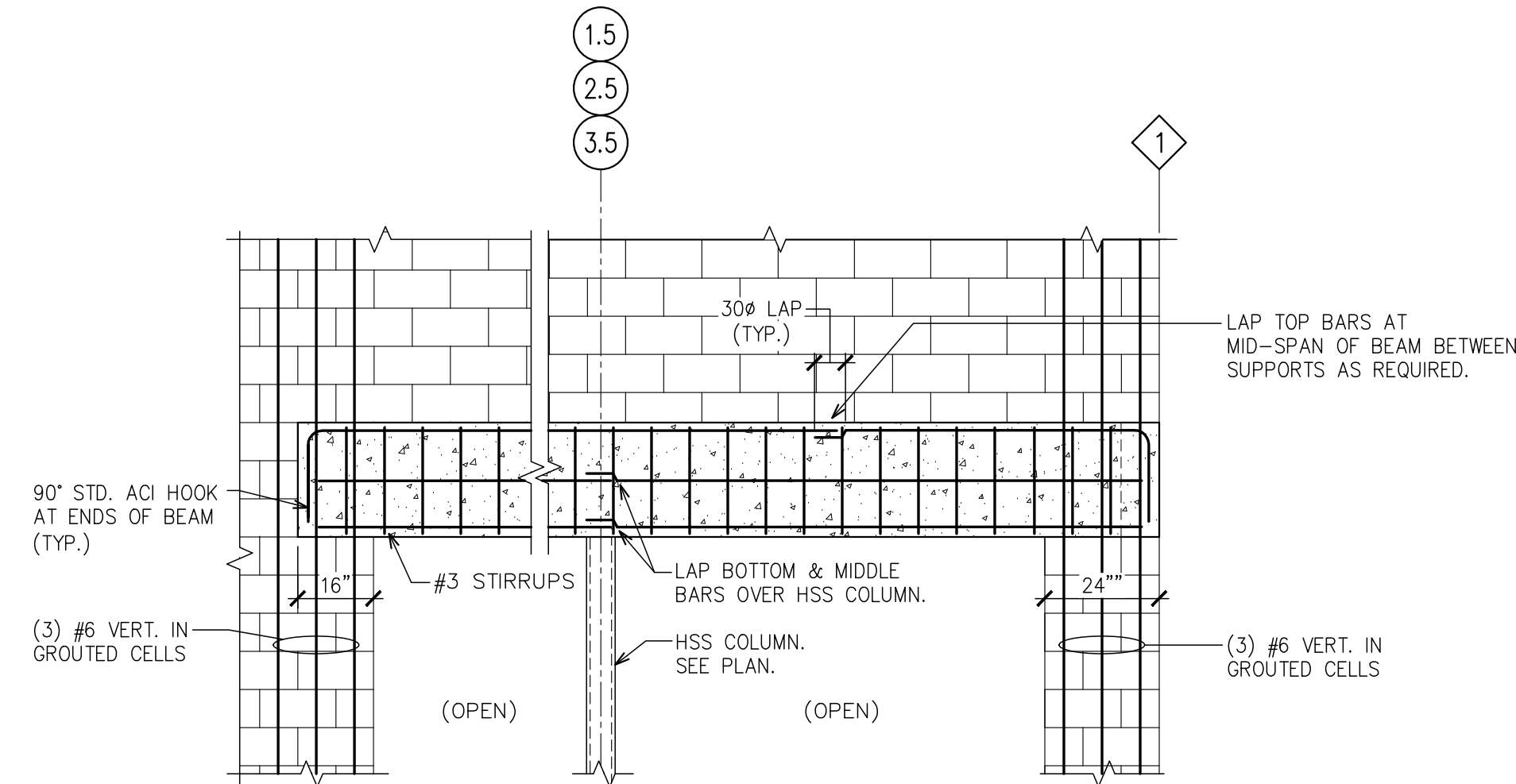


**5 CONDENSING UNIT SUPPORT DETAIL**  
SCALE: 1 1/2" = 1'-0"

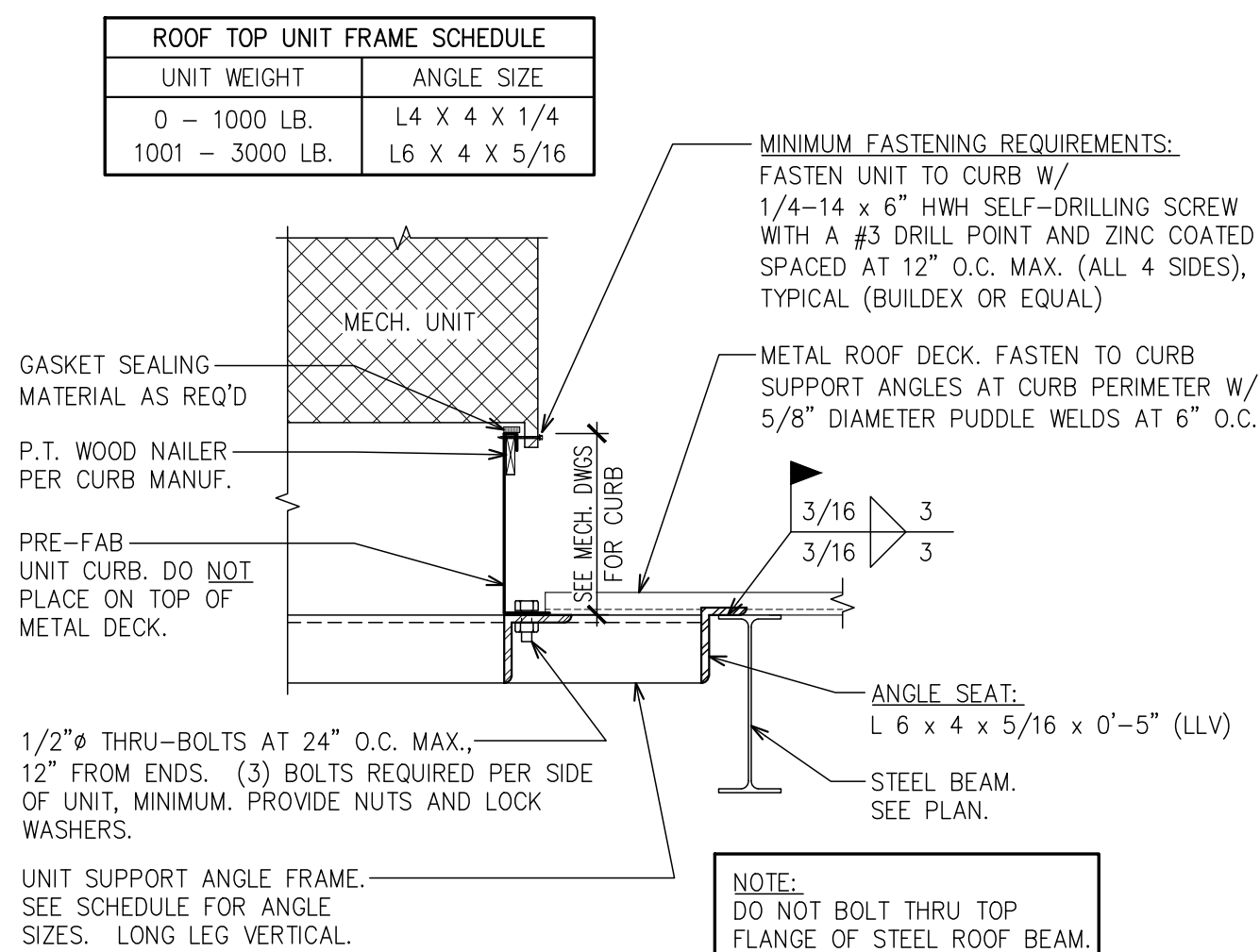


**10 BEAM BEARING**  
SCALE: 3/4" = 1'-0"

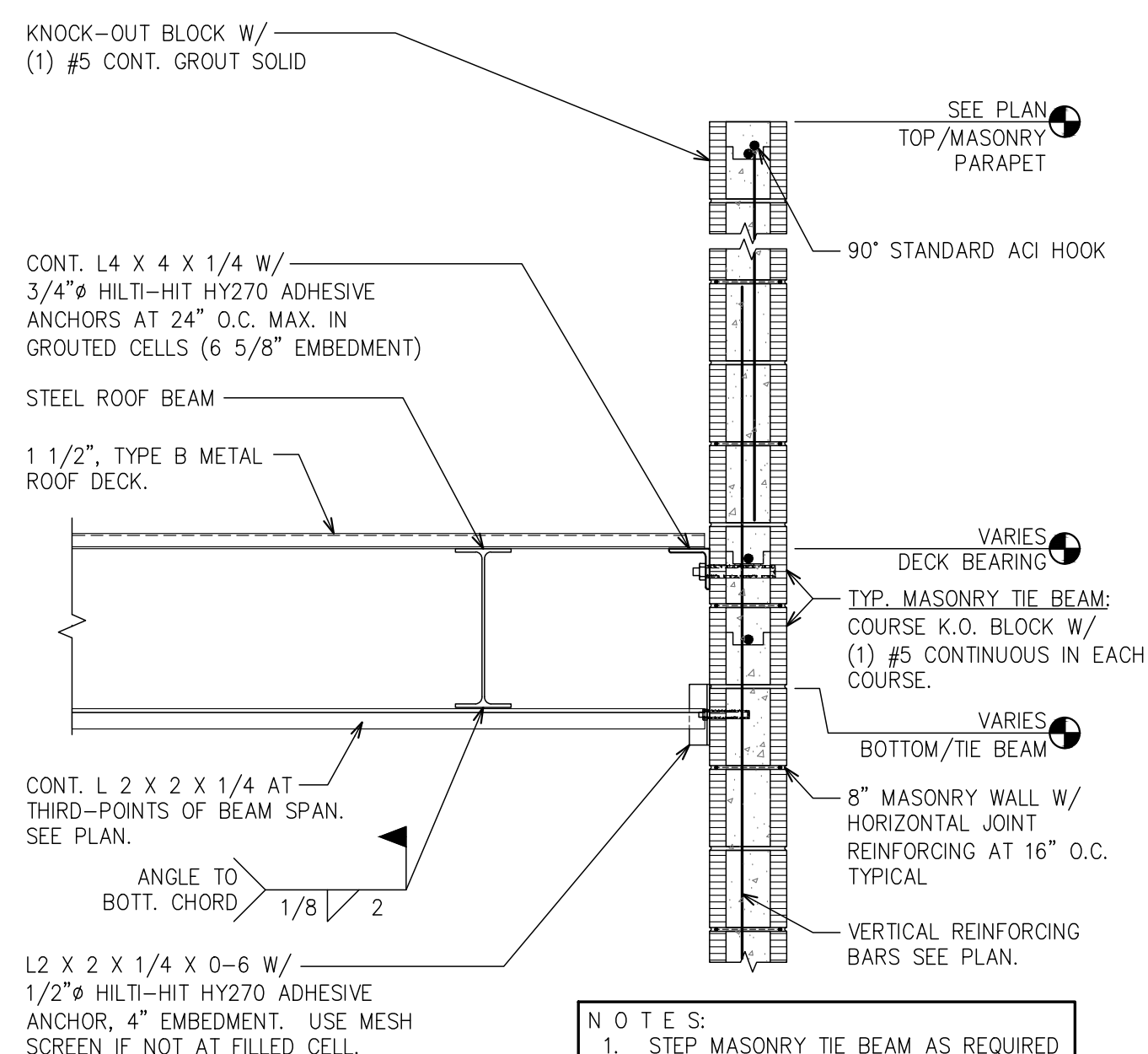
- NOTES:
- BEAM BEARING ON EMBED R SHALL BE 4" MINIMUM.
  - EDGE OF BEAM BEARING EMBED R SHALL BE FLUSH WITH INSIDE FACE OF MASONRY.



**2 CONCRETE BEAM REINFORCING DETAIL**  
NOT TO SCALE

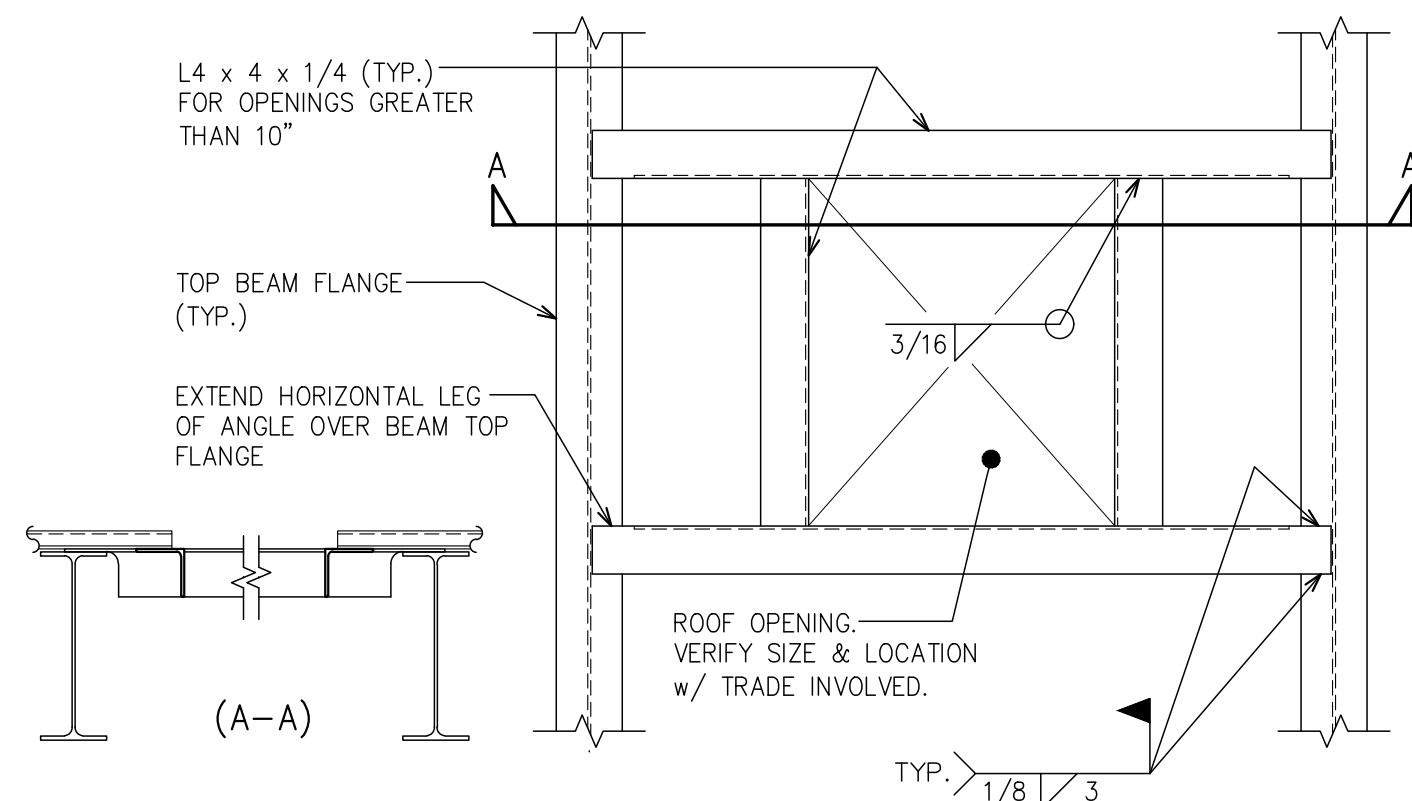


**6 MECHANICAL UNIT SUPPORT DETAIL**  
NOT TO SCALE



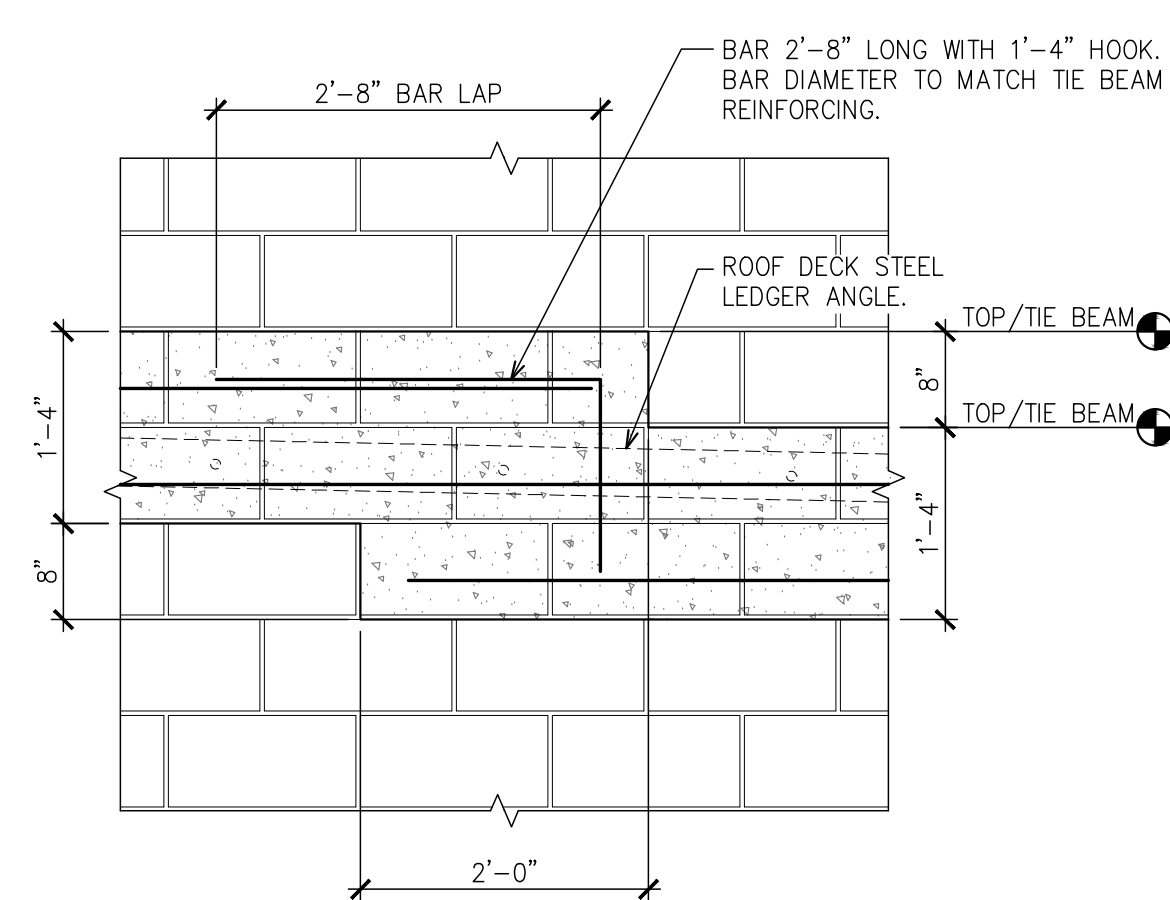
**11 DECK BEARING**  
SCALE: 3/4" = 1'-0"

- NOTES:
- STEP MASONRY TIE BEAM AS REQUIRED WITH SLOPED DECK. REFER TO 12/S4.2.



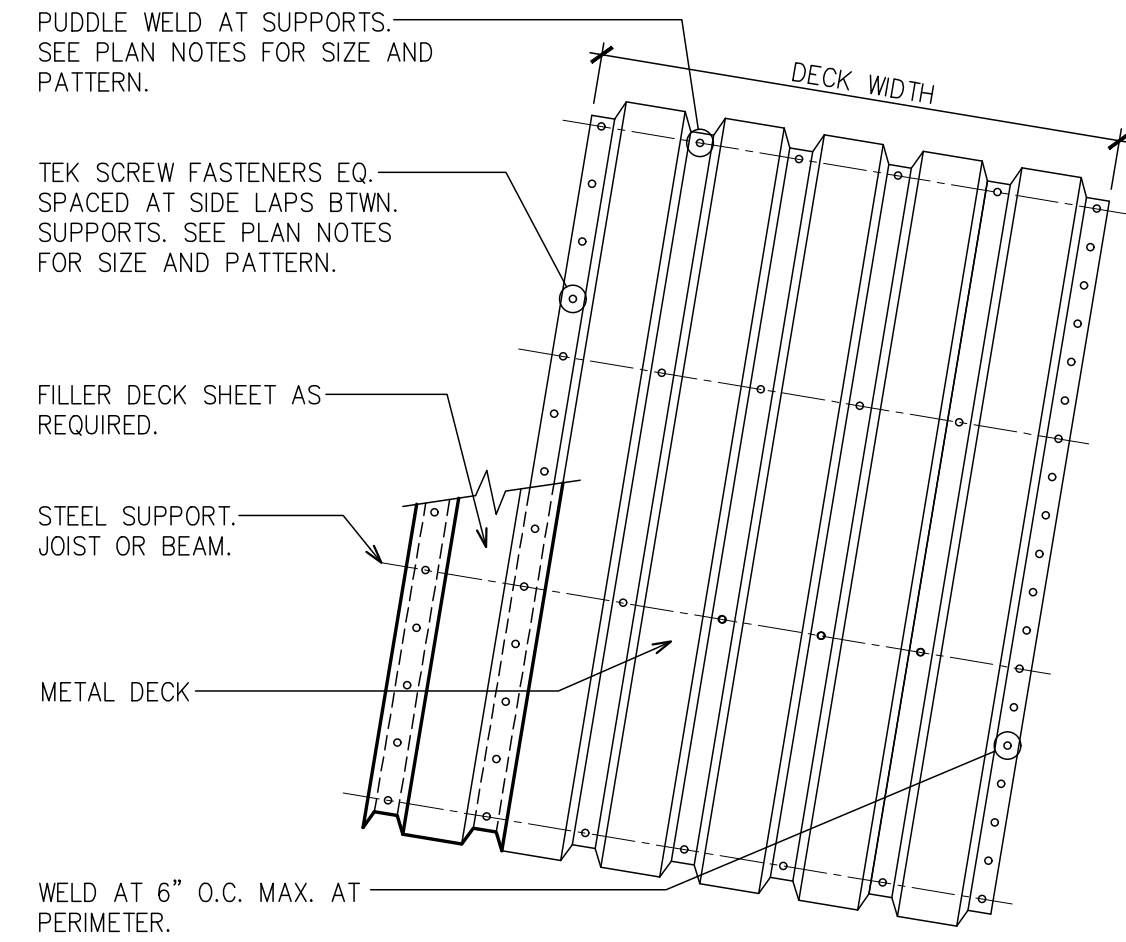
- NOTES:
- LOCATE L4 x 4 x 1/4 FRAMES AROUND ALL ROOF OPENINGS GREATER THAN 10".
  - CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF OPENINGS PRIOR TO STEEL FABRICATION.
  - REFER TO 8/S4.2 FOR DECK OPENINGS BETWEEN 4" AND 10".
  - NOT INTENDED FOR ROOF TOP MECHANICAL EQUIPMENT SUPPORT. REFER TO 6/S4.2 FOR ANGLES SUPPORTING MECHANICAL UNITS.

**7 ROOF OPENING**  
NOT TO SCALE



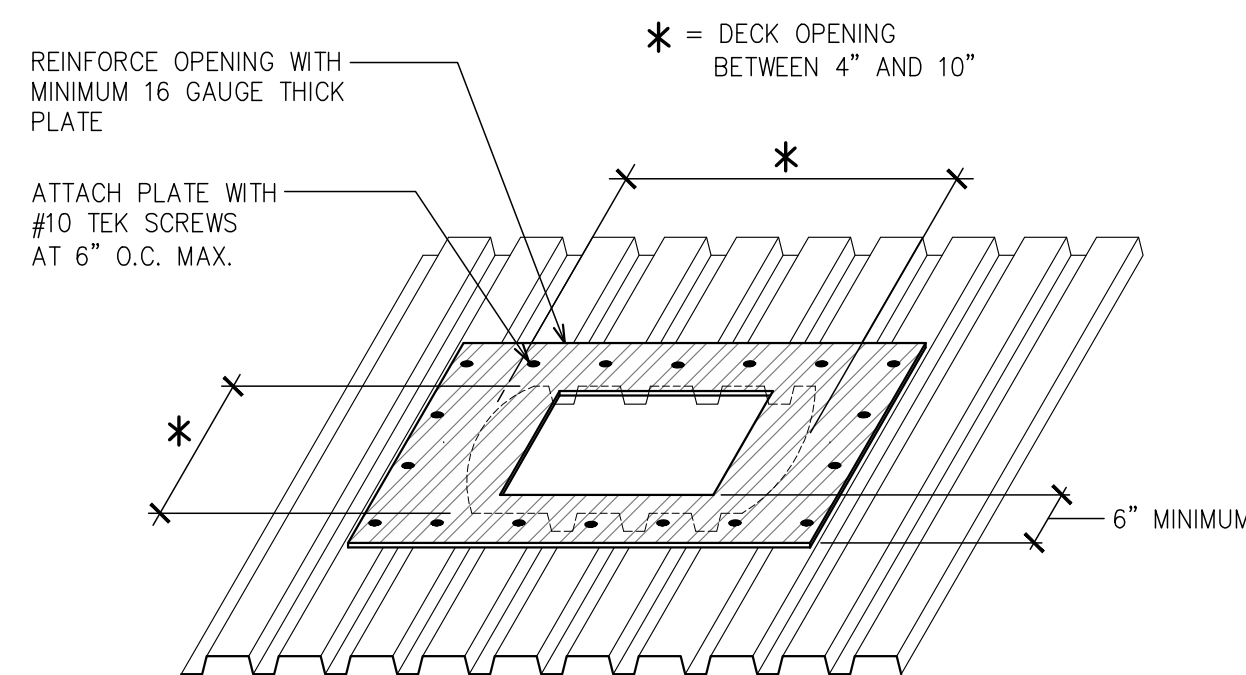
- NOTES:
- TYPICAL MASONRY TIE BEAM SHALL BE (2) COURSE KNOCK-OUT BLOCK WITH (1) #5 CONTINUOUS IN EACH COURSE AND GROUTED SOLID.
  - STEP TIE BEAM A MAXIMUM OF 8". LOCATE TIE BEAM STEPS AS REQUIRED WITH SLOPED DECK LEDGER ANGLE.

**12 MASONRY TIE BEAM - STEP**  
NOT TO SCALE

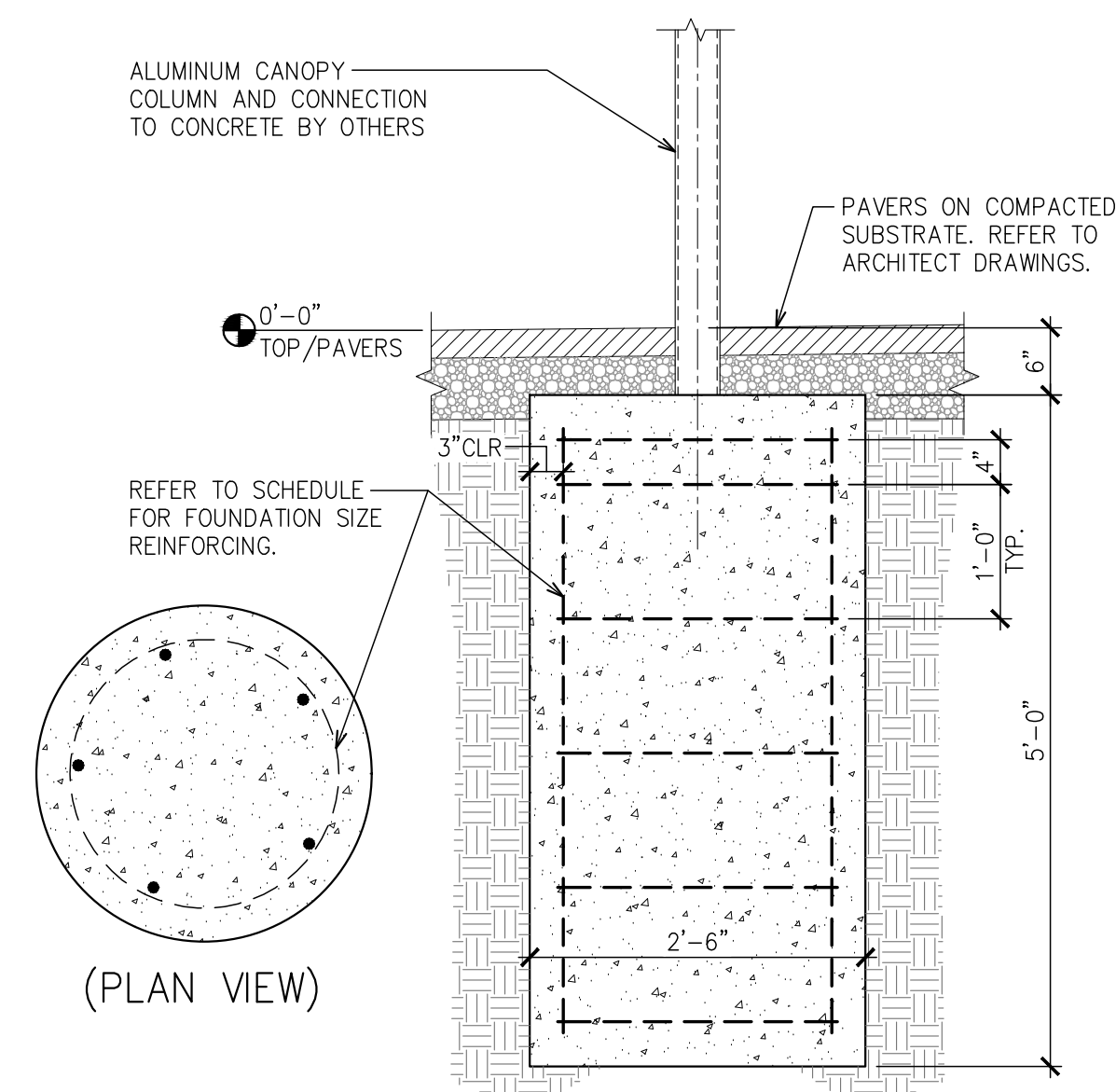


- NOTES:
- MINIMUM DECK BEARING AT END SUPPORTS = 2 1/2"
  - MINIMUM DECK LAP OVER SUPPORTS = 2"

**4 METAL DECK ATTACHMENT**  
NOT TO SCALE



**8 DECK REINFORCEMENT AT UNFRAMED ROOF OPENING**  
NOT TO SCALE



**13 SECTION**  
SCALE: 3/4" = 1'-0"

no.	date	revision descriptions



SQ06E: THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING A PROPOSAL. ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODES SEVENTH EDITION (2020), WITH ALL AMENDMENTS, AND LOCAL CODES AND ORDINANCES. THE SYSTEMS, EQUIPMENT, DEVICES AND ACCESSORIES SHALL BE INSTALLED, FINISHED, TESTED AND ADJUSTED FOR CONTINUOUS AND SAFE OPERATION. THE OPERATOR SHALL BE RESPONSIBLE FOR THIS. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY TRADES OR OTHERS WHO MAY CAUSE OR AVOID INTERFERENCE WITH THEIR WORK. THE INFORMATION GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED, BUT ITS EXTREME ACCURACY IS NOT GUARANTEED. THE DRAWINGS ARE DIAGRAMMATIC, INTENDED TO SHOW GENERAL ARRANGEMENT, CAPACITY AND LOCATION OF VARIOUS COMPONENTS, EQUIPMENTS, AND DEVICES. IF WORK IS REQUIRED IN A MANNER TO MAKE IT IMPOSSIBLE TO PRODUCE FIRST CLASS WORK, OR IF THE CONTRACTOR DISCOVERS AN ERROR, OMISSION, OR CONTRADICTION IN THE CONTRACT DOCUMENTS AND/OR THE MANUFACTURER'S RECOMMENDATIONS, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ARCHITECT BY WRITTEN MEANS PRIOR TO PROCEEDING WITH WORK. THE CONTRACTOR SHALL INSTALL ALL MINOR ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY TO COMPLETE THE INSTALLATION WHETHER OR NOT SPECIFIED IN THE DOCUMENTS.

CONSTRUCTION PLANS: IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.

WIND RESISTANCE: ALL EQUIPMENT, APPLIANCE AND SUPPORTS LOCATED EXTERIOR OF THE FACILITY SHALL BE INSTALLED TO RESIST WIND LOADS AS DETAILED IN THE BUILDING CODE.

EQUIPMENT TAGS: ALL EQUIPMENT WILL HAVE A PERMANENTLY FIXED ENGRAVE PHENOLIC LABEL CORRESPONDING TO THE EQUIPMENT TAG ON THE ENGINEER'S DRAWINGS.

SMOKE DEVELOPED 50  
FUEL DISTRIBUTED 50  
ACCESSORIES SUCH AS ADHESIVE, MASTIC, CEMENTS AND TAPES SHALL HAVE THE SAME COMPONENT RATING AS LISTED ABOVE.

**START-UP:** CONTRACTOR SHALL STARTUP ALL EQUIPMENT AND FOLLOW THE MANUFACTURER'S START-UP PROCEDURES.

**CONDENSATE DRAIN PIPING:** CONDENSATE DRAIN PIPING SHALL BE PVC TYPE DWV. DRAINS SHALL BE PITCHED NOT LESS THAN 1" IN 10'. RUNS SHALL BE AS SHORT AS POSSIBLE WITHOUT ANY DIPS TO TRAP WATER AND INTERFERE WITH PROPER DRAINAGE. PROVIDE TRAPS AND CLEANOUTS AT DRAIN PAN CONNECTIONS. RUN CONDENSATE DRAIN PER PLANS.

DIMENSIONAL DATA: ALL DUCTWORK DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.

**SUPPLEMENTARY SUPPORTS:** CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS, IN ORDER TO PROVIDE A "VIBRATION-FREE" RIGID INSTALLATION.

**DUCTWORK - GENERAL:** FABRICATE AND INSTALL ALL DUCTWORK AND DUCT ACCESSORIES IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE, THE LATEST NFPA STANDARDS, AND THIS SPECIFICATION. THE MOST STRINGENT OF THESE SHALL BE THE MINIMUM STANDARD. MINIMUM OF 2" PRESSURE CLASS RATING FOR ALL FIBERGLASS DUCTWORK AND 2" FOR ALL SHEET METAL.

ALL NEW RIGID DUCTWORK SHALL BE GALVANIZED SHEET METAL STEEL OF LOCKFORMING GRADE CONFORMING TO ASTM A653 AND ASTM A924. G-60 ZINC COATING. REFER TO INSULATION SECTION BELOW FOR INSULATION REQUIRED ON SUPPLY AND RETURN DUCTWORK.

**DUCTWORK INSTALLATION:** ALL INTERIOR DUCTWORK SHALL BE SEALED TO SMACNA CLASS (C) REQUIREMENTS. PROVIDE DOUBLE THICKNESS TURNING VANES IN ALL NINETY (90) DEGREE SQUARE ELBOWS. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCT OFFSETS AS REQUIRED TO CLEAR INTERFERENCES WITH EXISTING BUILDING STRUCTURE, PIPES AND ELECTRICAL CONDUITS. FURNISH AND INSTALL ALL MISCELLANEOUS STEEL SUPPORTS REQUIRED FOR HANGING AND SUPPORTING DUCTWORK UNLESS OTHERWISE NOTED.

INSULATION: ASSURE ALL DUCTWORK IS SEALED PRIOR TO INSTALLING INSULATION.  
ALL SHEET METAL SUPPLY & RETURN DUCTWORK SHALL BE WRAPPED WITH 2" THICK FIBERGLASS BLANKET INSULATION WITH FSK (ASJ) FACING, MINIMUM INSTALLED R VALUE OF 6.0, AND FLAME SPREAD/SMOKE DEVELOPED RATINGS OF 25/50 BY ASTM E-84.  
ALL SHEET METAL SUPPLY & RETURN DUCTWORK SHALL ALSO BE LINED WITH 1.5" ACOUSTICAL DUCT LINER, TO BE UL-181 LISTED.  
INSTALL INSULATION ON DUCTWORK USING ADHESIVE AND/OR WELD PINS WITH WASHERS.  
SEAL ALL INSULATION JOINTS, SEAMS AND FASTENER PIN PENETRATIONS WITH VAPOR RETARDING PRESSURE SENSITIVE TAPE OR WITH GLASS FABRIC AND MASTIC.

**SMOKE DETECTORS:** INSTALL SMOKE DETECTORS AS RECOMMENDED BY MANUFACTURER TO ACQUIRE PROPER READINGS. LOCATION OF DUCT MOUNTED SMOKE DETECTORS ARE FOR REFERENCE LOCATION ONLY. FINAL PLACEMENT SHALL MEET ALL REQUIREMENTS IN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE 12"x12" ACCESS DOOR FOR INSPECTION AND SERVICE. SMOKE DETECTORS SHALL BE FURNISHED & WIRED BY ELECTRICIAN/FIRE ALARM CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR. WIRE SMOKE DETECTORS TO SHUTOFF UNIT WITH THE DETECTION OF SMOKE.

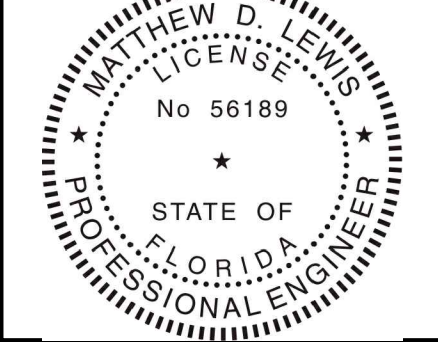
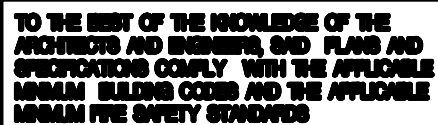
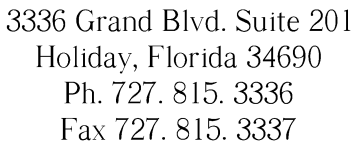
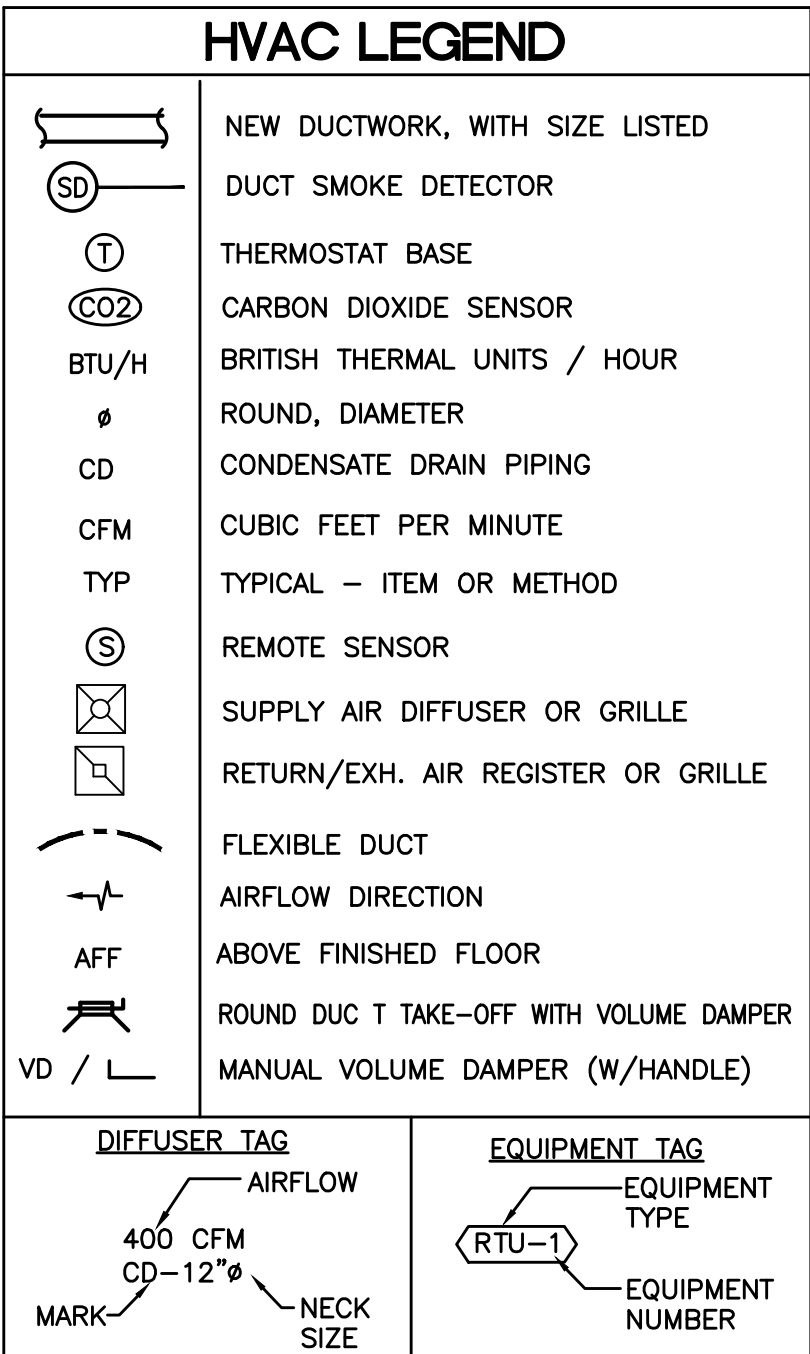
**CONTROLS:** PROVIDE CONTROLS COMPLETE TO SUIT THE EQUIPMENT PROVIDED AND TO ACCOMPLISH THE SEQUENCE OF OPERATION AS REQUIRED BY PLANS AND SYSTEMS. LOCATE THERMOSTATS 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. THERMOSTATIC CONTROLS SHALL BE PROGRAMMABLE TO INCLUDE ALL ITEMS REQUIRED BY 2014 FBC-ENERGY CODE.

**TESTING AND BALANCING:** THE CONTRACTOR SHALL ENSURE THAT ALL DEVICES AND SYSTEMS ARE COMPLETE, TESTED AND BALANCED, AND READY FOR OPERATION WHEN THE FACILITY IS HANDED OVER THE OWNER. THE AIR CONDITIONING SYSTEM SHALL BE TESTED IN ACCORDANCE WITH AABC OR NEBB PROCEDURES. WRITTEN REPORT SHALL BE SUBMITTED TO MECHANICAL ENGINEER FOR APPROVAL.

**SUBMITTALS REQUIRED:**  
SUBMIT SHOP DRAWINGS FOR ALL MATERIALS, EQUIPMENT, AND SYSTEMS REQUIRED BY THESE DOCUMENTS (SEE ARCH. PLANS/SPECS FOR SPECIFIC FORMATTING), INCLUDING:  
ROOFTOP UNITS  
EXHAUST FANS  
ROOF A/C STANDS  
DUCTWORK & SHEET METAL ACCESSORIES (CONNECTIONS, MASTICS, ETC.)  
THERMOSTATS & CONTROLS

**SUBSTITUTIONS:** RTU'S MUST BE MANUFACTURED BY TRANE - NO EXCEPTIONS! FOR ALL OTHER EQUIPMENT, CONTRACTOR SHALL PAY FOR ANY AND ALL ADDED COSTS ASSOCIATED WITH ANY SUBSTITUTION, INCLUDING SUBSTITUTIONS THAT REQUIRE CHANGES TO THE OTHER BUILDING COMPONENTS, SUCH AS ELECTRICAL, STRUCTURAL REINFORCING, CEILINGS, WALLS, ROOFS, ETC. THIS WILL INCLUDE ANY ENGINEERING/ARCHITECTURAL RE-DESIGN COSTS AS A RESULT OF SAID SUBSTITUTION. THESE COSTS SHALL NOT BE BORNE BY THE OWNER, ARCHITECT, NOR ENGINEER, REGARDLESS OF ACCEPTABILITY OF SUBSTITUTION. ENGINEER RESERVES THE RIGHT TO ACCEPT OR DENY ANY SUBSTITUTION THAT HE DOES NOT DEEM TO BE EQUIVALENT, AND CONTRACTOR SHALL PROVIDE SPECIFIED OR EQUIVALENT MATERIALS/EQUIPMENT AT NO ADDITION COST TO OWNER, SHOULD A SUBSTITUTION BE DENIED.

**GUARANTEE:** THE ONE-YEAR GUARANTEE PERIOD SHALL NOT START UNTIL THE PROJECT IS FULLY COMPLETED AND THE CONTRACTOR HAS RECEIVED THE FINAL PAYMENT. ALL NEW EQUIPMENT AND ALL WORK SHALL BE FULLY GUARANTEED, PARTS AND LABOR, FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD FROM THE DATE OF THE FINAL PAYMENT, AT NO ADDITIONAL COST TO OWNER. REPAIRS MADE DURING THIS PERIOD MUST BE FULLY GUARANTEED FROM THE DATE OF THE FINAL PAYMENT. WORKMANSHIP AND EXISTING MATERIALS ARE NOT GUARANTEED FOR A PERIOD OF TWO (2) YEARS. IN ADDITION TO COST TO OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE BUILDING, AND ITS CONTENTS OR OTHER EQUIPMENT, CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIAL INSTALLED. ALL NEW HVAC UNITS SHALL INCLUDE 5-YEAR WARRANTY ON COMPRESSORS AND 1-YEAR WARRANTY ON ALL OTHER PARTS AND LABOR FOR UNITS.



no.	date	revision descriptions
1		

**STARBUCKS**  
**SHELL CONSTRUCTION**

---

BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

22032  
comm. no

## MECHANICAL SPECIFICATIONS

# M1.0



A circular professional engineer seal for Matthew D. Lewis. The outer ring contains the text "MATTHEW D. LEWIS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, "No 56189" in the center, a single star below the number, and "STATE OF FLORIDA" at the bottom.

REVISION	DATE	REVISION	REVISION
1	10/17/2023	REVISED PER BUILDING PERMIT COMMENTS	TENANT COORD

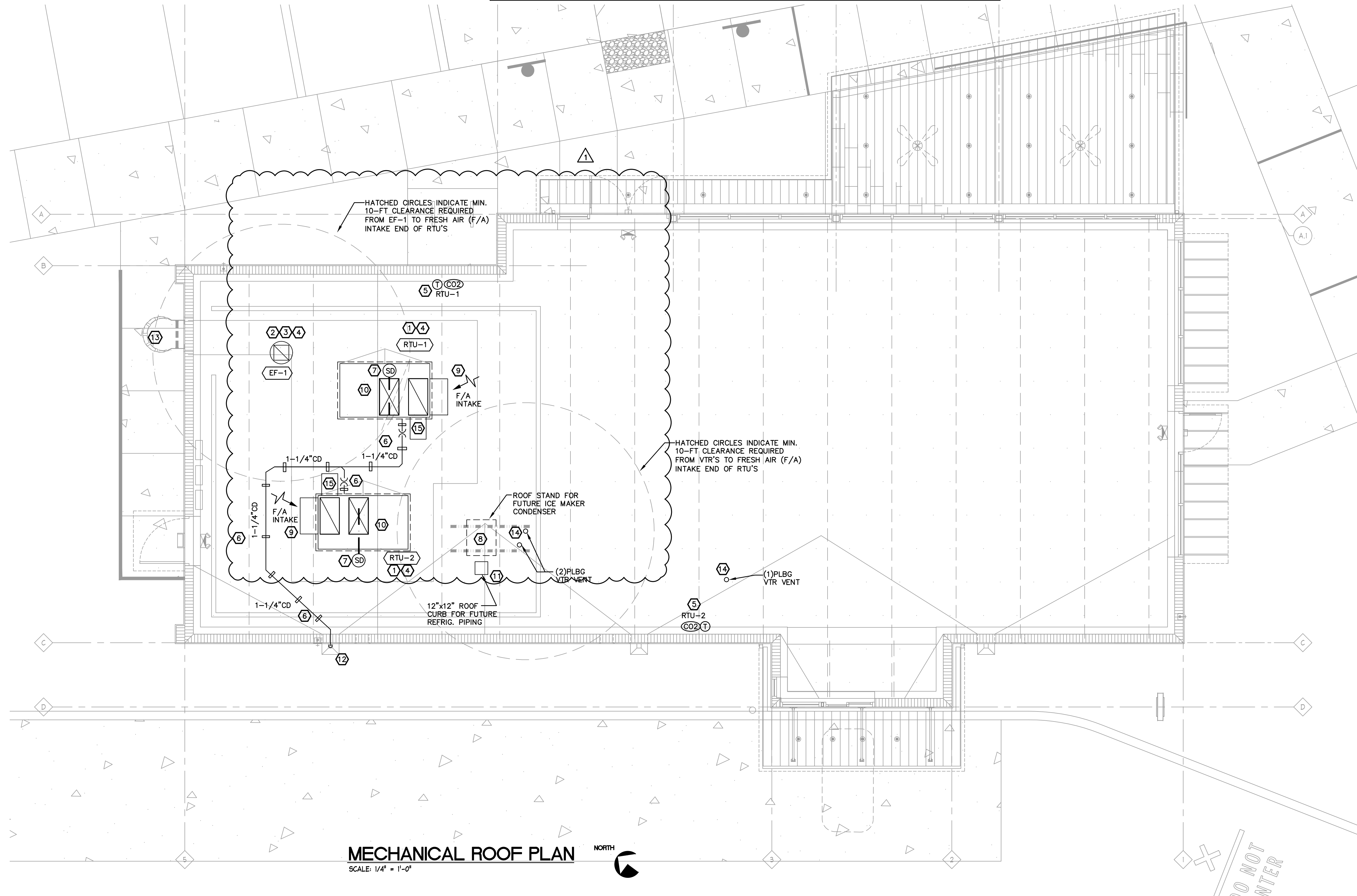
**STARBUCKS**  
**SHELL CONSTRUCTION**

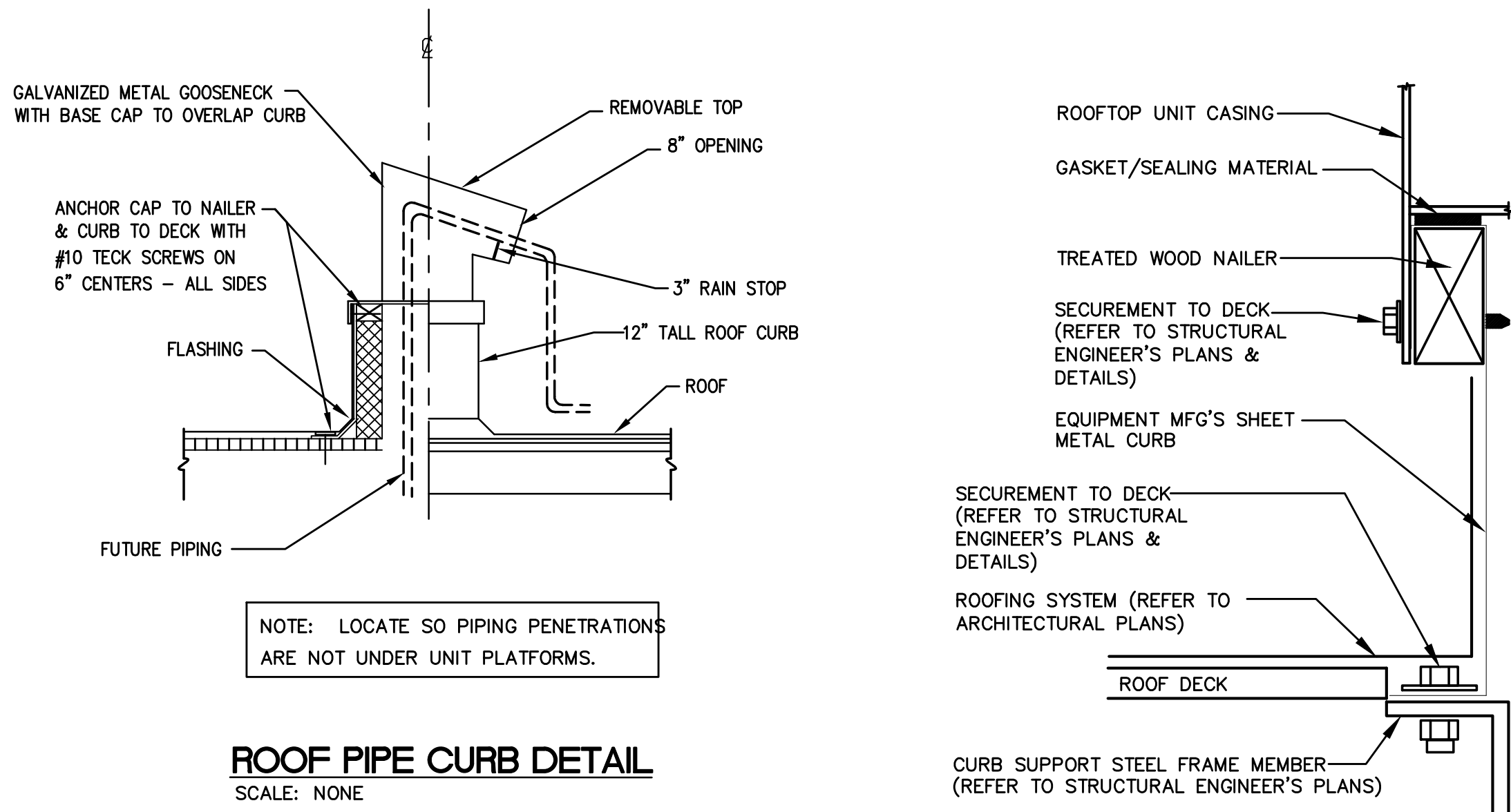
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022 date
22032 comm. no.
MECHANICAL ROOF PLAN

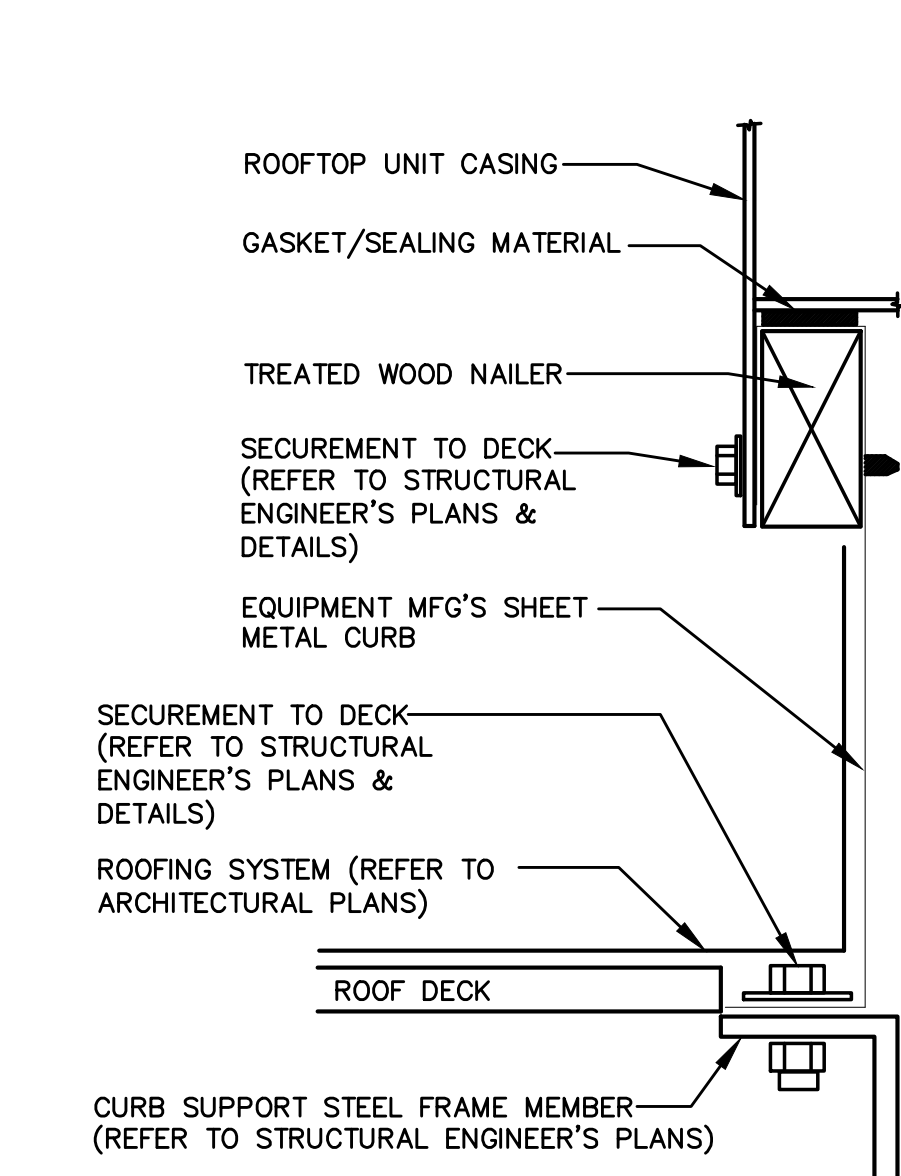
M2.0

- ① PACKAGED ROOFTOP A/C UNIT – COORDINATE FINAL LOCATION WITH G.C.
- ② ROOF MOUNT EXHAUST FAN – LOCATE MIN. 10–FT FROM RTU INTAKES.
- ③ PROVIDE 4–FT LONG FULL SIZE (MIN. 12"x12") DUCT DROP DOWN BELOW ROOF.
- ④ COORDINATE UNIT INSTALLATION REQUIREMENTS WITH G.C. AND STRUCTURAL PLANS AND DETAILS.
- ⑤ INSTALL THERMOSTAT & CO2 SENSOR TEMPORARILY ON WALL WITH 150–FT EXTRA WIRING COILED AT UNIT. (TYPICAL)
- ⑥ ROUTE CONDENSATE PIPING ON ROOF PIPE SUPPORTS AT 4–FT INTERVALS.
- ⑦ INSTALL DUCT SMOKE DETECTOR IN SUPPLY DUCT DROP. (TYPICAL–2 RTU'S)
- ⑧ MECHANICAL CONTRACTOR SHALL FURNISH AND G.C. TO INSTALL NEW ROOF STAND FOR FUTURE TENANT ICE MACHINE CONDENSER.
- ⑨ OUTSIDE AIR INTAKE ON THIS END OF RTU – COORDINATE INSTALL TO ENSURE MIN. 10–FT CLEAR FROM EXHAUST FAN AND PLUMBING VENT STACKS.
- ⑩ PROVIDE 4–FT LONG FULL–SIZE DUCT DROPS WITH OPEN ENDS INTO CEILING CAVITY FOR FUTURE TENANT CONNECTION
- ⑪ 12"x12" PIPE CURB FOR FUTURE ICE MACHINE CONDENSER.
- ⑫ SPILL CONDENSATE MANIFOLD THROUGH SCUPPER AND INTO DOWNSPOUT. (CONNECTS TO UNDERGROUND STORM)
- ⑬ PERMANENT LADDER ON WALL FOR ROOF ACCESS WITH OPENING IN PARAPET.
- ⑭ PLUMBING VENT THROUGH ROOF LOCATED 10–FT FROM ALL FRESH AIR INTAKES.
- ⑮ POWER EXHAUST LOCATED ON SIDE OF RTU. ①

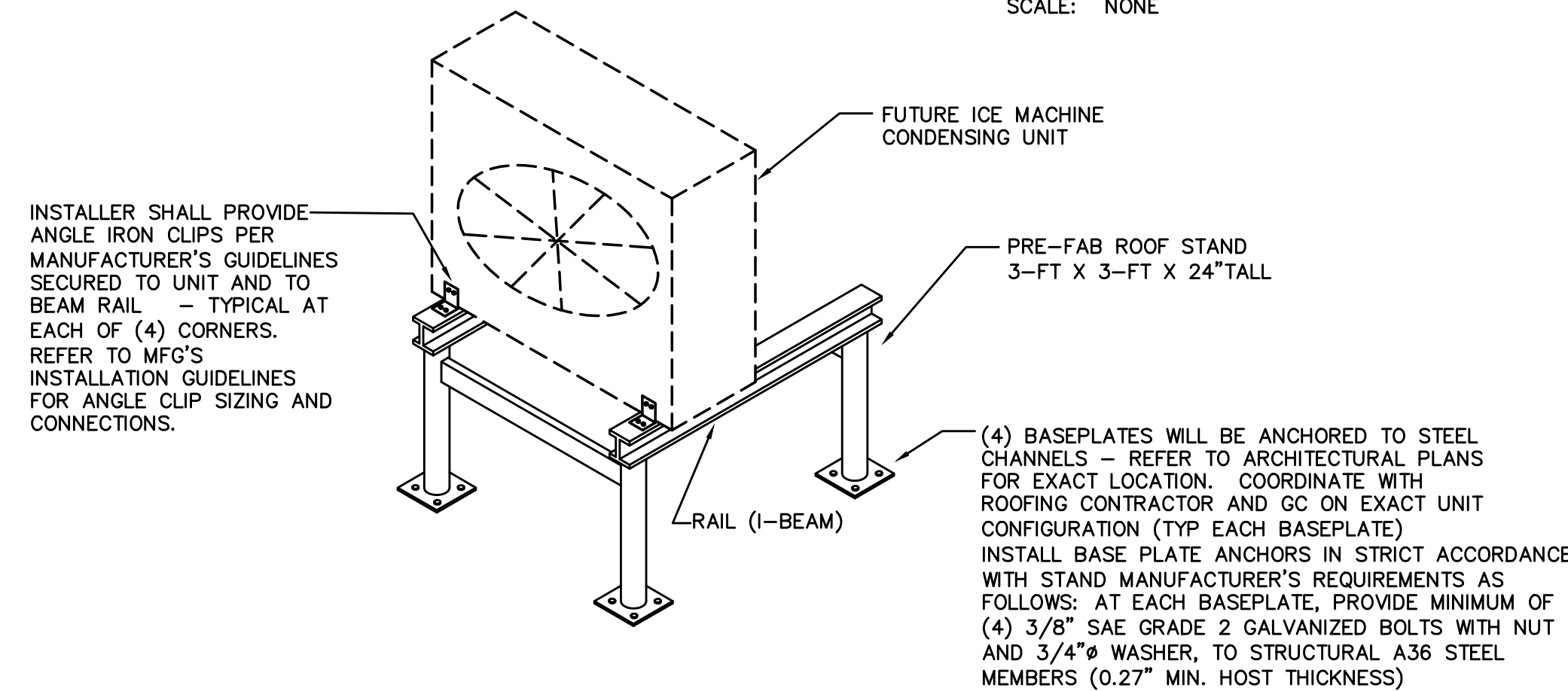




Roof pipe curb detail  
Scale: None



Attachment of RTU and fan rooftop curbs  
Scale: None



Condenser roof stand detail (future cooler condenser)  
Scale: None

PRECISION ALUMINUM PRODUCTS "ALUMA-STAND" IS BASIS OF DESIGN (FL PRODUCT APPROVAL # 16921.R2)  
ALTERNATE MFGS INCLUDE METULLUM ENTERPRISES & MIAMI TECH (NO OTHER MFG ALLOWED)  
STAND SHALL BE LISTED FOR 150-MPH+ WIND LOADING & LOCAL WIND LOADING PER CODE.  
COORDINATE WITH ROOFING CONTRACTOR AND GC ON EXACT UNIT CONFIGURATION TO SUIT FIELD CONDITIONS (TYP EACH BASEPLATE)  
INSTALL ANCHORS IN ACCORDANCE WITH STAND MANUFACTURER'S GUIDELINES. IF REQUIRED, CONTRACTOR SHALL PROVIDE ADDITIONAL STEEL ANGLE SUPPORTS REQUIRED TO SPAN JOISTS AT NO ADDITIONAL COST.

NOTE: ANY SUBSTITUTIONS FOR THE PRE-FAB STAND SHALL BE FLORIDA PRODUCT APPROVED TO MATCH SPECIFIED UNIT ABOVE.

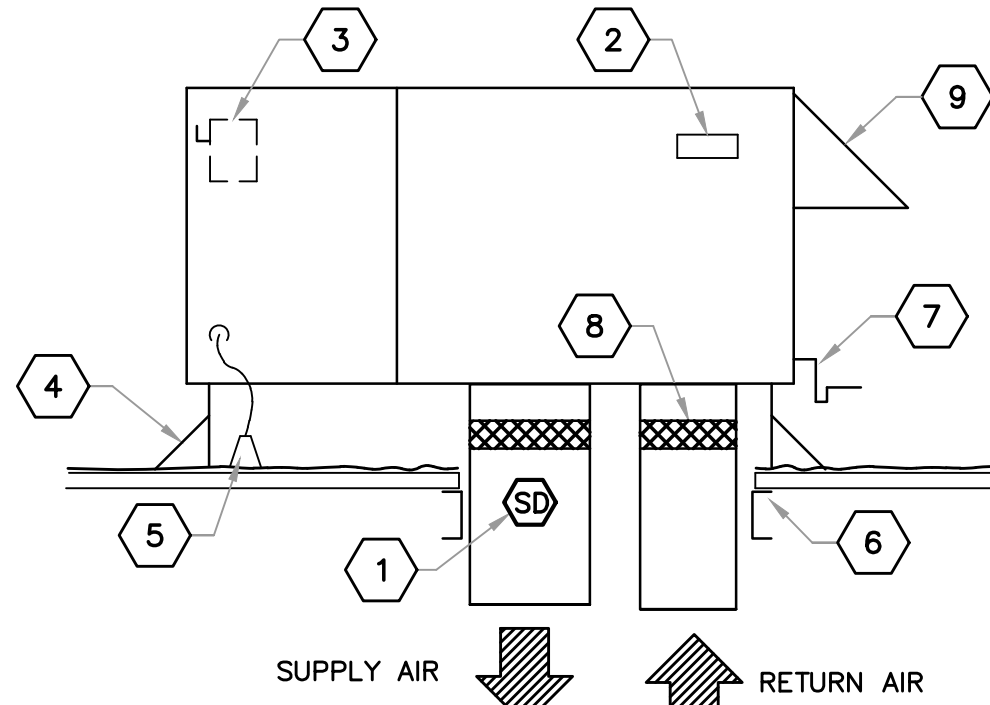
EXHAUST FAN SCHEDULE											NO SUBSTITUTIONS ALLOWED FOR FAN
GENERAL					CONSTRUCTION						
MARK	CFM	SONES	ESP (IN-WG)	ELEC.	MOTOR	DRIVE	TYPE FAN	MANUF.	MODEL	WEIGHT (lbs)	NOTES
EF-1	600	7.4	0.5	120V/1PH	1/4-HP	DIRECT	ROOF DNBLAST	GREENHECK	G-095-VG	22	① ②

NOTE: ① PROVIDE FAN WITH 18" TALL INSULATED ROOF CURB, DOWNBLAST HOUSING, FAN SPEED CONTROLLER AT FAN UNDER HOOD, AND BACKDRAFT DAMPER.  
② DISCONNECT BY ELECTRICIAN. INTERLOCK FOR OPERATION BY FUTURE TENANT CONTRACTOR.

HIGH EFFICIENCY PACKAGED DX ROOF TOP UNIT SCHEDULE																							NO SUBSTITUTIONS ALLOWED FOR RTU'S									
MARK	CFM	O/A CFM	ESP IN. WG.	POWER	NOMINAL TONS	ARI EFFIC. EER/IEER	BLOWER		COOLING		COOLING CAP		HEATING CAP		POWER								AMBIENT TEMP.	FILTER TYPE	BASE WGT LBS	MFG.	MODEL	NOTES				
							HP	ENT AIR		TOTAL MBH	SENS. MBH	INPUT KW	OUTPUT MBH	CONDENSER FAN		COMPRESSOR		MCA AMPS	MOCP AMPS													
								DB	WB					QTY	FLA	QTY	RLA			LRA												
RTU-1	5,000	500	0.8	208V/3ø	12.5	11.1/15.3	5.00	76.7	63.8	140.9	110.4	13.5	46.1	1	4.3	2	28.4/14.1	191/83.1	71	90	95°F	2"/30%	1,218	TRANE	THJ150*3	①②③④⑤⑥⑦⑧⑨⑩⑪						
RTU-2	3,400	340	0.8	208V/3ø	8.5	12.3/16.8	3.00	76.7	63.8	95.8	73.2	13.5	46.1	1	3.3	2	20.2/9.7	136/71	60	70	95°F	2"/30%	929	TRANE	THJ102*3	①②③④⑤⑥⑦⑧⑨⑩⑪						

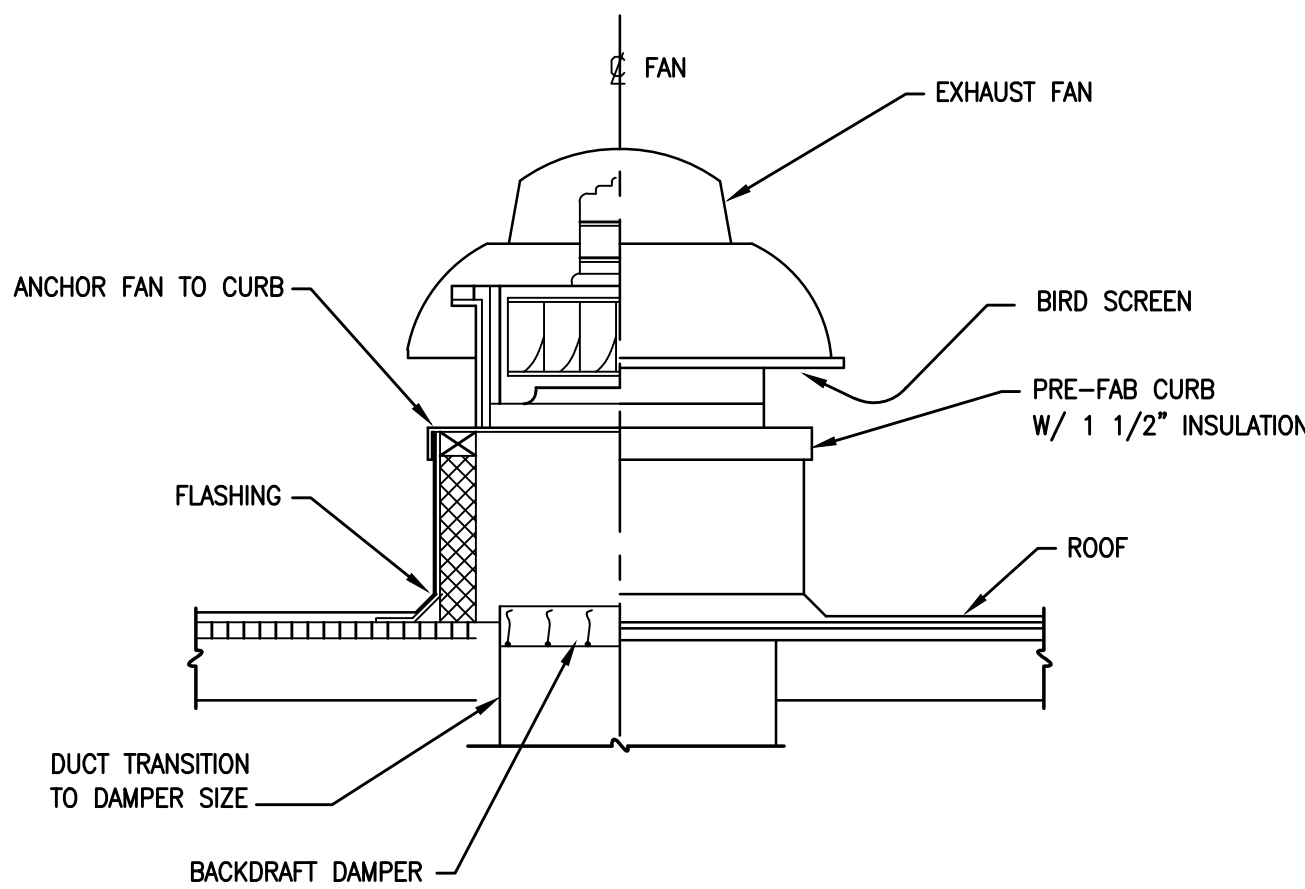
NOTE: ① PROVIDE WITH 7-DAY A WEEK PROGRAMMABLE (TEMPORARY) THERMOSTAT, MEETING ALL CODE REQUIREMENTS (SEE SPECIFICATIONS). INCLUDE EXTRA 150-FT LENGTH OF WIRING FOR TEMPORARY MOUNTING, COIL BELOW RTU.  
② PROVIDE MFG'S 14" TALL INSULATED ROOF CURB, EITHER SLOPED WITH ROOF, OR WITH SHIM KIT, AS NEEDED, FOR LEVEL UNIT INSTALLATION.  
③ PROVIDE SINGLE POINT POWER TO UNIT INCLUDING HEAT STRIP (ALL SERVICE DISCONNECTS AND CONVENIENCE OUTLETS BY ELECTRICIAN - NOT FURNISHED WITH RTU)  
④ INSTALL DUCT SMOKE DETECTOR IN SUPPLY DUCT DROP BELOW UNIT (FURNISHED & WIRED BY ELECTRICIAN)  
⑤ PROVIDE SEACOAST CORROSION COATING ON CONDENSER COILS (5,000-HOUR).  
⑥ PROVIDE WITH A SECONDARY (AUXILIARY) OVERFLOW DRAIN FLOAT SWITCH IN CONDENSATE PAN, INTERLOCKED WITH FAN MOTOR FOR SHUTDOWN.  
⑦ PROVIDE HAIL GUARD AROUND CONDENSER COILS.  
⑧ PROVIDE WITH LOW AMBIENT COOLING AND # COOLING CIRCUITS PER SCHEDULE.  
⑨ FINAL UNIT COOLING CAPACITY, HEATING CAPACITY AND LOCATIONS MUST BE APPROVED BY TENANT AND LANDLORD, PRIOR TO BID.  
⑩ PROVIDE WITH ECONOMIZER OUTSIDE AIR INTAKE SYSTEM WITH SCREENED HOOD AND POWERED EXHAUST FAN, WITH ENTHALPY CONTROLS, FAULT DETECTION, AND DIAGNOSTIC CAPABILITIES MATCHING REQUIREMENTS OF 2020 FBC-MECH. C403.2.4.7. IN ADDITION, PROVIDE CO2 SENSOR WITH CONTROLS/SENSOR, COMPATIBLE WITH ECONOMIZER SYSTEM.  
⑪ PROVIDE WITH TWO SPEED EVAPORATOR FAN WITH VFD CONTROLLER, TO COMPLY WITH FL ENERGY CODE, 403.2.12.5.

PROVIDE STARTUP FORMS AND COMPLETED PRE-FUNCTION CHECKLIST PER STARBUCKS T.I. COMMISSIONING PLAN.



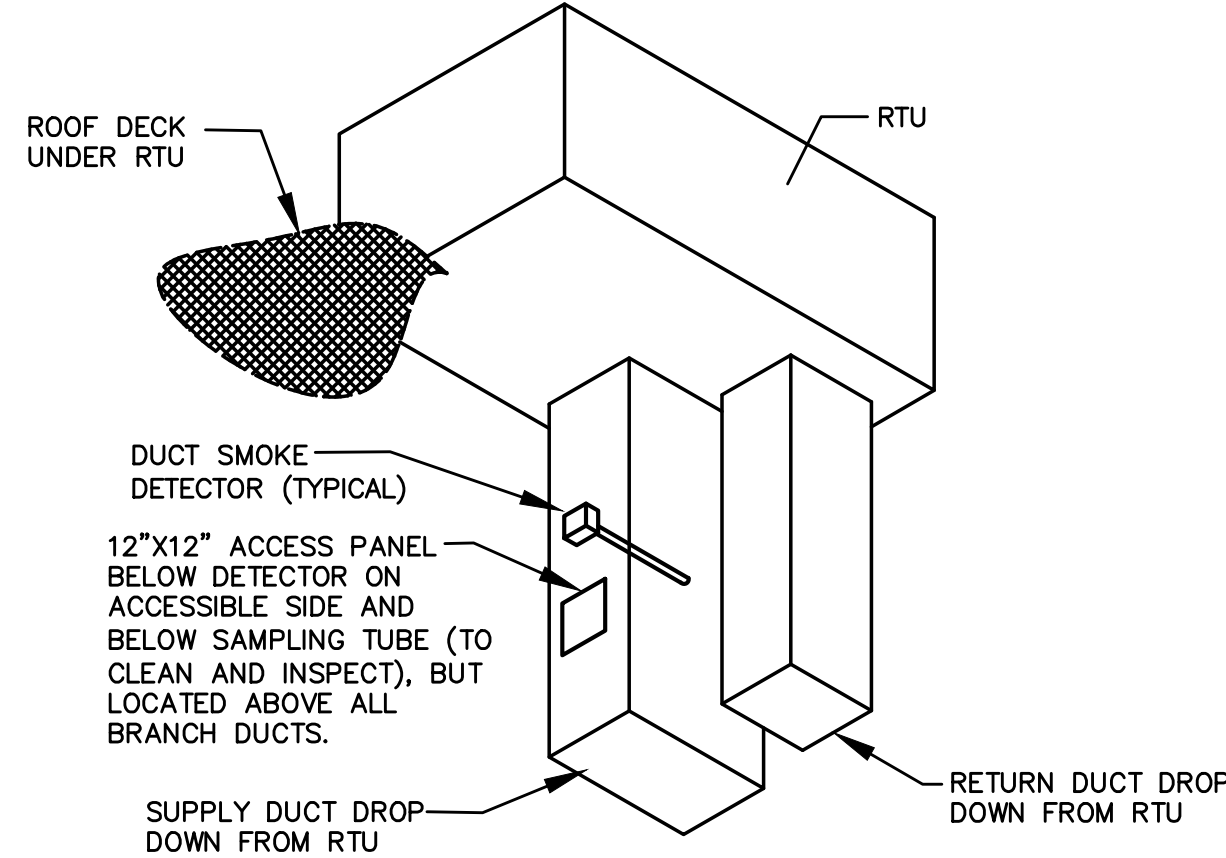
- 1 CONTRACTOR SHALL PROVIDE AND INSTALL AN APPROVED DUCT MOUNTED SMOKE DETECTOR FOR ALL RTU'S DELIVERING 2000 CFM OR MORE.
- 2 UNIT IDENTIFICATION PLATE SCREWED TO UNIT.
- 3 DISCONNECT SWITCH. DO NOT MOUNT HIGHER THAN UNIT.
- 4 PREFAB CURB.
- 5 PATE PIPING PLUG FOR CONTROL, DO NOT RUN IN POWER CONDUIT. DO NOT USE "PATE" PIPING PLUGS AS NOTED WHERE UNIT MANUFACTURER HAS PROVIDED OPENINGS INSIDE PERIMETER CURB.
- 6 CUT HOLE IN ROOF ONLY LARGE ENOUGH FOR DUCT & PROVIDE STRUCTURAL SUPPORT FOR DECKING.
- 7 CONDENSATE TRAP (REFER TO DETAIL). ROUTE CONDENSATE AS INDICATED ON DRAWINGS.
- 8 FLEXIBLE CONNECTION.
- 9 OUTDOOR AIR INTAKE.

Rooftop unit detail  
Scale: None

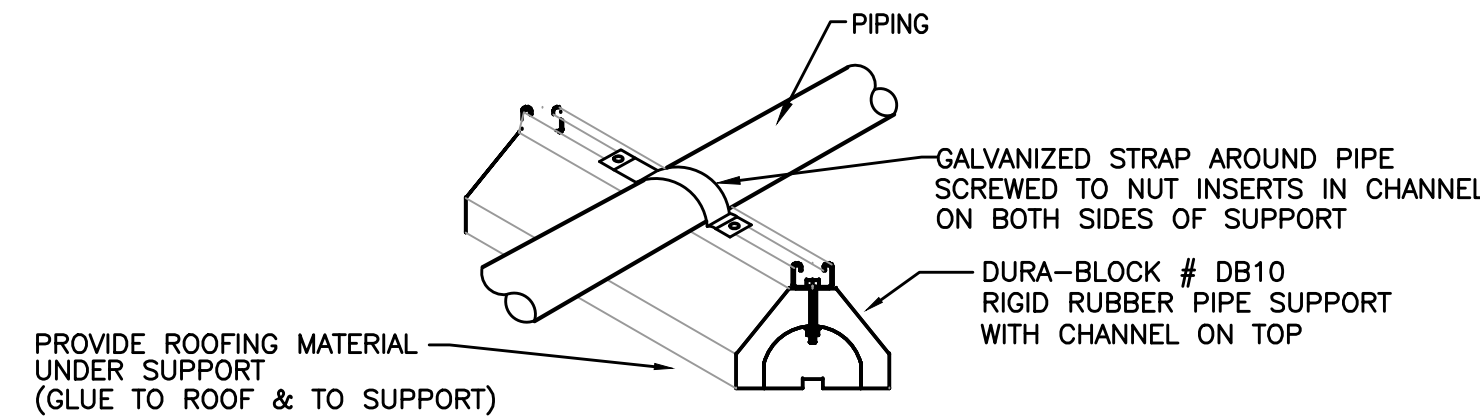


Roof exhaust fan detail  
Scale: None

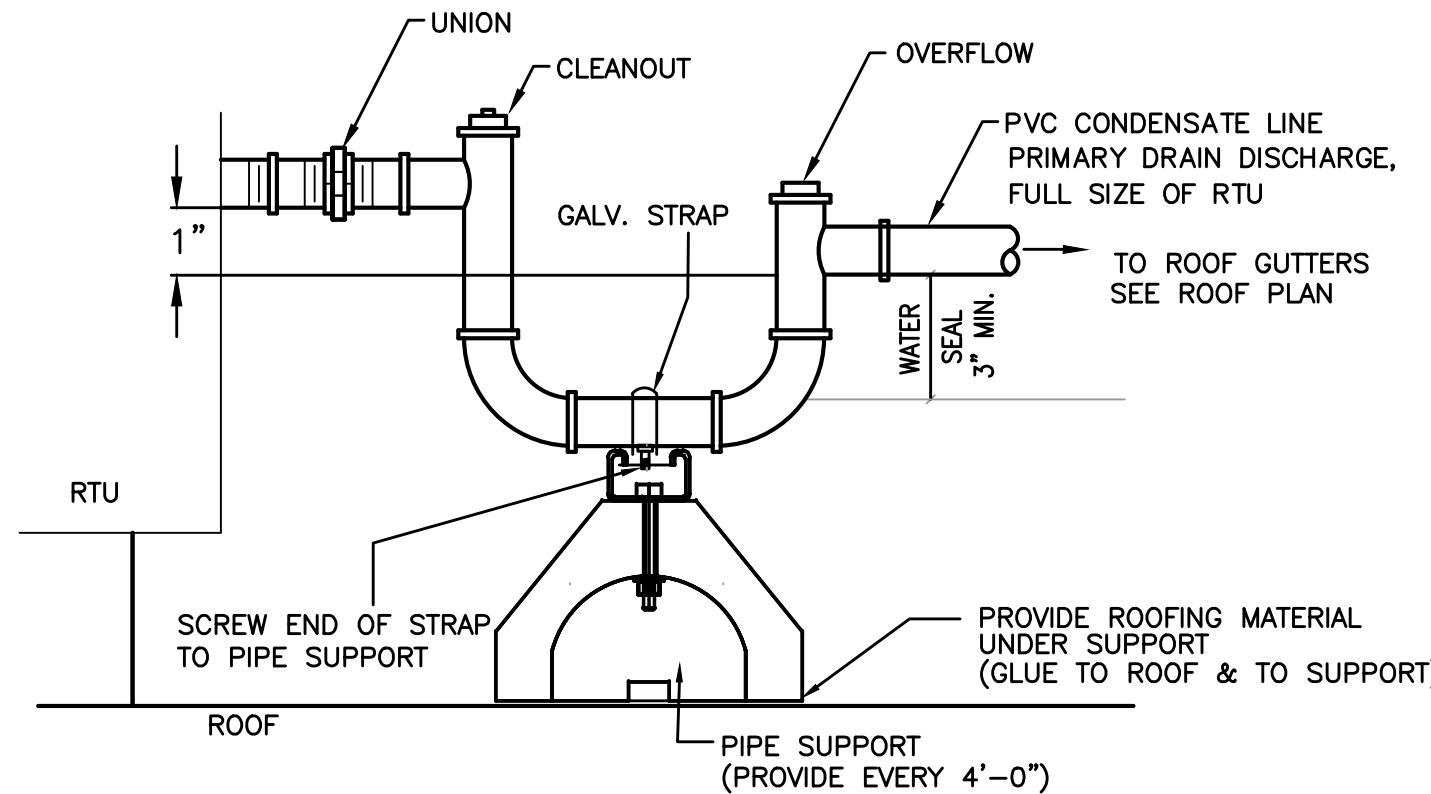
NOTE: INSTALL FAN 10 FEET FROM ANY SOURCE OF FRESH AIR INTAKE.



RTU duct smoke detector isometric detail  
Not to scale



Roof condensate pipe support detail  
Scale: None



RTU condensate p-trap detail  
Scale: None

#### SEQUENCE OF OPERATIONS FOR HVAC EQUIPMENT

SUPPLY FANS: THE EVAPORATOR FAN WILL RUN CONTINUOUSLY DURING OCCUPIED HOURS, AND CYCLE ON/OFF WITH COOLING/HEATING WHEN IN UN-OCCUPIED MODE, ACCORDING TO THERMOSTAT PROGRAMMING, AND SUBJECT TO FIRE ALARM SHUTDOWN (DUCT SMOKE DETECTOR).

OUTSIDE AIR DAMPER: THE DAMPER CLOSES WHEN THE UNIT IS OFF. DAMPER SHALL OPEN TO MINIMUM POSITION WHEN SUPPLY FAN STARTS TO AND STAY OPEN DURING OCCUPIED MODE. IF CO2 SENSOR MEASURES OVER 800-PPM (OR USER PROGRAMMING), THEN THE DAMPER SHALL OPEN TO FULLY BALANCED POSITION. ECONOMIZER MODE FOR 100% FRESH AIR, SHALL BE AVAILABLE WHEN OUTSIDE CONDITIONS HAVE LOWER ENTHALPY THEN INTERIOR (28.0-BTU PER LB OF DRY AIR, OCCUPIED OR UNOCCUPIED)

COOLING COIL: THE COOLING COIL AND COMPRESSORS SHALL ENERGIZE TO MAINTAIN SPACE COOLING SETPOINT. (75°F OCCUPIED/ 80°F UNOCC.).

HEATING COIL: THE ELECTRIC HEAT COIL WILL ENERGIZE IN CONTROL STAGES TO MAINTAIN SPACE HEATING SETPOINT. (68°F OCC/60°F UNOCC.).

FAN: THE EXHAUST FAN WILL NOT BE OPERATIONAL UNTIL INTERIOR BUILD-OUT OCCURS, AS DESIGNED BY INTERIOR ENGINEER.

SUBSTITUTIONS: STARBUCKS REQUIRES THAT RTU'S ARE MANUFACTURED BY TRANE AND SHALL BE PURCHASED UNDER STARBUCKS NATIONAL ACCOUNTS. SUBSTITUTIONS WILL NOT BE ACCEPTED UNDER ANY CIRCUMSTANCES.

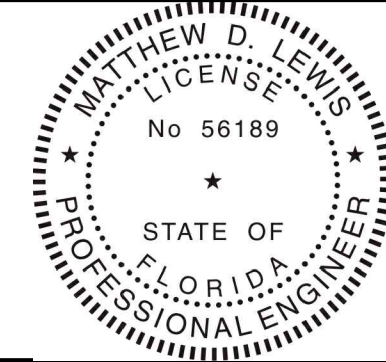
THE MECHANICAL ENGINEER OF RECORD FOR THE SHELL HAS SIZED RTU'S BASED ON THE LANDLORD'S LEASE CRITERIA ONLY. THE UNITS SPECIFIED SHALL BE THE BASIS OF THE CONTRACTOR'S BIDS. PRIOR TO CONSTRUCTION, STARBUCKS WILL PROVIDE A COMPLETE SET OF INTERIOR FINISH-OUT PLANS THAT WILL INCLUDE SIZING OF RTU'S BASED ON OCCUPANT AND EQUIPMENT LOADS WITHIN THE BUILDING. FOR THIS REASON, THE EQUIPMENT SIZES SHOWN ON THE SHELL DOCUMENTS ARE SUBJECT TO CHANGE. UNDER NO CIRCUMSTANCES SHALL THE MECHANICAL CONTRACTOR SUBMIT SHOP DRAWINGS OR ORDER RTU'S UNTIL THE INTERIOR FINISH-OUT DOCUMENTS HAVE BEEN RECEIVED. THE ARCHITECT SHALL IMMEDIATELY NOTIFY THE GENERAL CONTRACTOR UPON RECEIPT AND, AT THAT TIME, WILL MAKE HIM AWARE OF ANY NECESSARY CHANGES.

STEPANEK-LEWIS AND ASSOCIATES  
2257 TWELVE OAKS WAY, SUITE 103  
WESLEY CHAPEL, FL 33544  
PH (813) 991-1248  
REGISTRY # 8397  
22-165  
MATTHEW D. LEWIS, P.E. FL LIC#56189

FWH Architects

3336 Grand Blvd. Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY ORDINANCES.



REVISIONS PER BUILDING PERMIT COMMENTS & TENANT CORRD.										revision descriptions	
DATE	BY	CHKD	APP'D	NO.	DESCRIPTION	DATE	BY	CHKD	APP'D	NO.	DESCRIPTION
10/17/2023											

STARBUCKS SHELL CONSTRUCTION  
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022

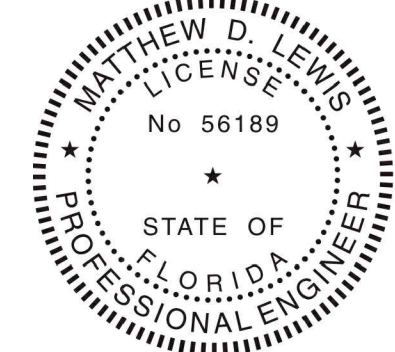
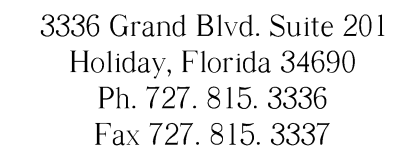
date

22032

comm. no.

MECHANICAL DETAILS & SCHEDULES

M3.0

[illegible]

**STARBUCKS**  
**SHELL CONSTRUCTION**

BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

22032  
comm. n

# PLUMBING NOTES & SPECIFICATIONS

P1.0

SCOPE: THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING A PROPOSAL. ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODES SEVENTH EDITION (2020), WITH AMENDMENTS, AND LOCAL CODES AND ORDINANCES. INSTALLATION SHALL COMPLY WITH THE CODE REFERENCED STANDARDS SET BY NFPA, ASHRAE, ASPE, SMACNA, NECA AND IEC. THE SYSTEMS, EQUIPMENT, AND ACCESSORIES SHALL BE INSTALLED, FINISHED, TESTED AND ADJUSTED FOR CONTINUOUS AND PROPER OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK FINDING INTERFERENCE WITH OR COORDINATE WITH OTHER TRADES TO AVOID INTERFERENCE WITH THEIR WORK. THE INFORMATION GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED, BUT ITS EXTREME ACCURACY IS NOT GUARANTEED. THE DRAWINGS ARE DIAGRAMMATIC, INTENDED TO SHOW GENERAL ARRANGEMENT, CAPACITY AND LOCATION OF VARIOUS COMPONENTS, EQUIPMENTS, AND DEVICES. IF WORK IS REQUIRED IN A MANNER TO MAKE IT IMPOSSIBLE TO PRODUCE FIRST CLASS WORK, OR SHOULD DISCREPANCIES APPEAR AMONG THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND THE FIELD CONDITIONS, THE CONTRACTOR SHALL FIRST REQUEST AN INTERPRETATION BEFORE PROCEEDING WITH WORK. CONTRACTOR SHALL FURNISH AND INSTALL ALL MINOR ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY TO COMPLETE THE INSTALLATION WHETHER OR NOT SPECIFIED IN THE DOCUMENTS.

REQUIRED COORDINATION: ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCTS AND PIPING (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION PLANS: IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.

**REQUIRED ACCESS:** CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT AND DEVICES THAT REQUIRE REPLACEMENT, SERVICING, ADJUSTING OR MAINTENANCE SHALL BE LOCATED TO ALLOW EASY ACCESS AND SPACE FOR REMOVAL OF INTERNAL ASSEMBLIES, IF REQUIRED. CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS, EVEN IF NOT INDICATED ON THE DRAWINGS AT NO ADDITIONAL COST TO OWNER.

**WIND RESISTANCE:** ALL EQUIPMENT, APPLIANCE AND SUPPORTS LOCATED EXTERIOR OF THE FACILITY SHALL BE INSTALLED TO RESIST WIND LOADS AS DETAILED IN THE BUILDING CODE.

CUTTING AND PATCHING: ALL OPENINGS AROUND DUCT OR PIPE PENETRATIONS THROUGH SMOKE OR FIRE RATED FLOORS, CEILINGS OR WALLS SHALL BE SEALED AIRTIGHT WITH MATERIALS HAVING A RATING EQUAL TO THE MATERIAL OF THE WALL, CEILING OR FLOOR PENETRATED.

EQUIPMENT TAGS: ALL EQUIPMENT WILL HAVE A PERMANENTLY FIXED TAG CORRESPONDING TO THE EQUIPMENT TAG ON THE ENGINEER'S DRAWINGS.

**FIRESTOPPING:** UL APPROVED MATERIALS AND METHODS SHALL PROTECT THE PENETRATIONS OF FIRE AND/OR SMOKE RATED WALLS, CEILING OR FLOORS. THE RATING OF THE FIRESTOPPING SHALL EQUAL THE RATING OF THE RATED ASSEMBLY. ALL INSULATION SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED BY PROCEDURE ASTM E-84, NFPA-225, UL-723 NOT EXCEEDING:

FLAME SPREAD	25	SMOKE DEVELOPED	50	FUEL DISTRIBUTED	50
--------------	----	-----------------	----	------------------	----

ACCESSORIES SUCH AS ADHESIVE, MASTIC, CEMENTS AND TAPES SHALL HAVE THE SAME COMPONENT RATING AS LISTED ABOVE.

SERVICE AND PERMITS: CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR PERMITS.

SHOP DRAWINGS: EACH TRADE SHALL PREPARE AND SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH PROCEDURES OUTLINED IN DIVISION 1 RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SUBMITTALS SHALL NOT BE RELIEVED BY THE ARCHITECT'S OR ENGINEER'S REVIEW. ENGINEER'S PROCESSING WILL NOT CONSTITUTE A COMPLETE CHECK BUT WILL INDICATE ONLY THAT A GENERAL METHOD OF CONSTRUCTION AND DETAILING IS SATISFACTORY. AT A MINIMUM SUBMITTALS SHALL INCLUDE FIXTURES, VALVES, PIPING, INSULATION AND ACCESSORIES.

START-UP: CONTRACTOR SHALL STARTUP ALL EQUIPMENT AND FOLLOW THE MANUFACTURER'S START-UP PROCEDURES.

OPERATING AND MAINTENANCE DATA: SUBMIT THREE COPIES OF MANUFACTURER'S OPERATING AND MAINTENANCE INSTRUCTIONS AND SPARE PARTS LIST FOR EACH PIECE OF EQUIPMENT.

SUPPLEMENTARY SUPPORTS: CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS, IN ORDER TO PROVIDE A "VIBRATION-FREE" RIGID INSTALLATION.

DIELECTRIC UNIONS: PROVIDE DIELECTRIC UNIONS OR FLANGES AT CONNECTIONS OR CONTACT BETWEEN PIPES OF DISSIMILAR METALS.

WATER PIPING: INSIDE WATER LINES SHALL BE HARD-DRAWN COPPER TUBING, TYPE "L" ABOVE-GROUND, TYPE "K" BELOW-GROUND. PROVIDE DIELECTRIC UNIONS WHERE DISSIMILAR METALS ARE IN CONTACT. ALL BURIED PIPING SHALL BE PROTECTED FROM CORROSION WITH 3/8" THICK FOAM RUBBER INSULATION WITH SEAMS SEALED WATERTIGHT. WATER PIPING SHALL BE TYPE-L COPPER TUBING, WITH WROUGHT COPPER FITTINGS (ASTM-B88). CONTRACTOR SHALL PROVIDE FOR EXPANSION AND CONTRACTION OF TUBING. TUBING SHALL BE SLEEVED AT PENETRATION OF CONCRETE SLABS OR WALLS.

**EXPOSED PIPING:** EXPOSED PIPING SHALL BE POLISHED CHROMIUM ON EITHER BRASS OR BRONZE. PROVIDE ADA INSULATED WATER AND WASTE LINE COVERINGS FOR WALL HUNG SINKS AND LAVATORIES.

VALVES: ALL VALVES SHALL HAVE A MINIMUM OF 125 PSIG WORKING PRESSURE. VALVES AND COCKS MAY NOT BE INDICATED IN EVERY INSTANCE ON THE DRAWINGS, BUT WHETHER OR NOT SHOWN, ALL VALVES, COCKS AND CHECK VALVES NECESSARY FOR THE PROPER OPERATION OF THE SYSTEM SHALL BE FURNISHED AND INSTALLED. INSTALL ISOLATION/SHUT-OFF VALVES AT ALL MAIN RISERS, AND MAIN BRANCH TAKEOFFS. INSTALL ISOLATION/SHUT-OFF VALVES ON EACH INLET AND OUTLET OF EACH PIECE OF EQUIPMENT. PROVIDE A FLANGE OR UNION BETWEEN THE VALVE AND THE EQUIPMENT TO PERMIT DISCONNECTION, REMOVAL AND SERVICE.

**STERILIZATION OF DOMESTIC WATER SYSTEM:** THE ENTIRE DOMESTIC WATER DISTRIBUTION SYSTEM SHALL BE THOROUGHLY STERILIZED AS REQUIRED BY THE HEALTH AUTHORITY OR WATER PURVEYOR HAVING JURISDICTION, OR IN THE ABSENCE OF A PRESCRIBED METHOD, THE PROCEDURE DESCRIBED IN EITHER AWWA C651 OR AWWA C652, OR AS DESCRIBED IN SECTION 610 FBC-P (2020).

**VENTING:** THE STACKS SHALL BE EXTENDED THROUGH ROOF OF BUILDING TO POINTS NOT LESS THAN 12" ABOVE ROOF. VENTS SHALL BE OFFSET AS REQUIRED TO PENETRATE ROOFS AT LEAST 3 FEET FROM THE RIDGE OR EDGE OF BUILDING AND 10 FEET FROM ANY FRESH AIR INTAKE OR OPERABLE WINDOW OR DOOR.

**SANITARY, WASTE, GREASE, STORM AND VENT PIPING:** ALL BELOW AND ABOVE GROUND PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC-DWV. (SOLID CORE) SLOPE OF SANITARY OR DRAINAGE PIPING 2-1/2" AND SMALLER SHALL BE A MINIMUM OF 1/4" PER FOOT; PIPING 3" AND LARGER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT. CLEANOUTS WILL BE LOCATED NOT MORE THAN 100 FEET APART AND AT EACH CHANGE OF DIRECTION GREATER THAN 45° ALONG THE HORIZONTAL DRAIN. CLEANOUTS SHALL BE INSTALLED AT BASE OF EACH STACK. CONCEALED CLEANOUTS SHALL HAVE CAST BRASS CHROMIUM PLATED FLAT ACCESS COVER PLATE.

**PLUMBING FIXTURES AND TRIM:** PLUMBING FIXTURES SHALL BE FURNISHED AND INSTALLED IN A NEAT AND WORKMANLIKE MANNER WITH PROPER CONNECTIONS TO SUPPLY AND DRAINAGE PIPING. ALL FIXTURES SHALL BE FREE OF FLAWS AND DEFECTS OF ANY SORT IN MATERIAL AND WORKMANSHIP AND SHALL OPERATE PERFECTLY WHEN INSTALLED IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. CONTRACTOR SHALL PROVIDE ROUGH-IN, AND SHALL CONNECT ALL FIXTURES TO THE PLUMBING SYSTEMS. ALL FIXTURES TO BE PROVIDED WITH CHROME-PLATED SUPPLIES AND STOPS. PROVIDE 1/2" GAUGE CHROME-PLATED BRASS TRAPS FOR ALL FIXTURES WITHOUT INTEGRAL TRAPS. PROVIDE CONCEALED ARM CARRIERS AND SUPPORTS FOR ALL FIXTURES REQUIRING SAME.

**TESTING:** TEST ALL WASTE AND VENT PIPING FOR A PERIOD OF NOT LESS THAN 8 HOURS BY CAPPING OR PLUGGING. ALL JOINTS TO A LEVEL OF THE HIGHEST FIXTURE OR FITTINGS. FILLING THE SYSTEM WITH WATER, AND OBSERVING FOR LEAKS. TEST WATER PIPING AT 100 PSIG FOR A PERIOD OF 8 HOURS, OBSERVING FOR ANY VISIBLE LEAKS. TEST PIPING AGAIN WITH FIXTURES INSTALLED. REPAIR ANY LEAKS FOUND BY REMAKING JOINT. DO NOT USE CAULKING OR SIMILAR METHODS TO CORRECT LEAKS. UPON REPAIRING ANY LEAKS FOUND. AGAIN TEST THAT PORTION OF THE SYSTEM AS DESCRIBED ABOVE.

EQUIPMENT FURNISHED BY OTHERS: WHERE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL MAKE ALL PIPING CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS. THIS WORK SHALL INCLUDE FURNISHING AND INSTALLATION OF ALL WATER AND DRAIN PIPING. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH RECOMMENDATIONS OF EQUIPMENT MANUFACTURER.

GUARANTEE. THE ONE-YEAR GUARANTEE PERIOD SHALL NOT START UNTIL THE PROJECT IS FULLY COMPLETED AND THE CONTRACTOR HAS RECEIVED THE FINAL PAYMENT AND CERTIFICATION OF COMPLETION. ALL EQUIPMENT AND ALL WORK SHALL BE FULLY GUARANTEED, PARTS AND LABOR, FOR ONE YEAR FROM THE DATE OF THE CERTIFICATE OF COMPLETION. REPAIRS MADE DURING THIS PERIOD MUST BE FULLY GUARANTEED FOR AN ADDITIONAL ONE YEAR PERIOD FROM THE DATE OF REPAIRS. IN ADDITION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO THE BUILDING, AND ITS CONTENTS OR OTHER EQUIPMENT, CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIAL INSTALLED.

**SUBSTITUTIONS:** CONTRACTOR SHALL PAY FOR ANY AND ALL ADDED COSTS ASSOCIATED WITH ANY SUBSTITUTION, INCLUDING SUBSTITUTIONS THAT REQUIRE CHANGES TO THE OTHER BUILDING COMPONENTS, SUCH AS ELECTRICAL, STRUCTURAL REINFORCING, CEILINGS, WALLS, ROOFS, ETC. THIS WILL INCLUDE ANY ENGINEERING/ARCHITECTURAL RE-DESIGN COSTS AS A RESULT OF SAID SUBSTITUTION. THESE COSTS SHALL NOT BE BORNE BY THE OWNER, ARCHITECT, NOR ENGINEER, REGARDLESS OF ACCEPTABILITY OF SUBSTITUTION. ENGINEER RESERVES THE RIGHT TO ACCEPT OR DENY ANY SUBSTITUTION THAT HE DOES NOT DEEM TO BE EQUIVALENT, AND CONTRACTOR SHALL PROVIDE SPECIFIED OR EQUIVALENT MATERIALS/EQUIPMENT AT NO ADDITIONAL COST TO OWNER, SHOULD A SUBSTITUTION BE DENIED.

DESCRIPTION	ABBREV.	SYMBOL
SANITARY PIPING	SAN	
GREASE PIPING	GR	
VENT PIPING	V	
DOMESTIC COLD WATER	CW	
DOMESTIC HOT WATER	HW	
BALL/ISOLATION VALVE	BV	
DUAL-CHECK BACKFLOW PREVENTER		
GRADE CLEAN OUT	COTG	
FLOOR CLEAN OUT	FCO	
PIPE TURNING UP		
PIPE TURNING DOWN		
CAPPED PIPING		
BELOW FINISHED FLOOR	BFF	
TYPICAL ITEM	TYT	

ALL ROOF DRAINAGE DESIGNED BY ARCHITECT. REFER TO ARCHITECTURAL PLANS FOR SIZES, QUANTITIES AND LOCATIONS OF GUTTERS, ROOF DRAINS, SCUPPERS, DOWNSPOUTS, ETC.

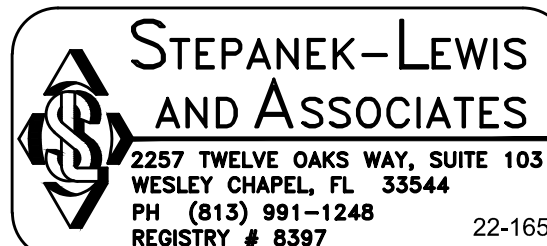
CONTRACTOR SHALL FIELD VERIFY LOCATIONS & INVERTS OF ALL UTILITY MAINS (I.E. SEWER, DOMESTIC WATER, ETC.) PRIOR TO ANY INSTALLATION OR CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING ANY FURTHER.

**NOTE: PLEASE REFER TO CIVIL ENGINEER'S UTILITY PLANS FOR FURTHER REFERENCE AND CONTINUATIONS BEYOND 5-FT FROM BUILDING. FIELD COORDINATE WITH SITE CONTRACTOR PRIOR TO ANY INSTALLATION OF UNDERGROUND PIPING.**

THE DOMESTIC WATER SERVICE SHALL BE A MINIMUM OF 50 PSI AND NO GREATER THAN 65 PSI DYNAMIC PRESSURE AT THE POINT OF BUILDING ENTRY. IF THE SERVICE STATIC IS OVER 65 PSI, A PRESSURE REDUCING VALVE SHALL BE PROVIDED BY THE SHELL CONTRACTOR. IF THE PRESSURE IS UNDER 50 PSI AT THE POINT OF ENTRY, A PACKAGED BOOSTER PUMP SHALL BE PROVIDED AND INSTALLED. SEPARATE LINE ITEM PRICES REQUIRED WITH BID FOR BOOSTER PUMP & PRV)

IMMEDIATELY UPON INSTALLATION OF THE WATER SERVICE TO THE BUILDING, THE PLUMBING CONTRACTOR SHALL PERFORM A PRESSURE TEST. SHOULD THE PRESSURE NOT MEET THE ABOVE STATED CRITERIA, THE GENERAL CONTRACTOR SHALL PROVIDE RESULTS TO THE ARCHITECT AT THE EARLIEST POSSIBLE DATE. THE ARCHITECT WILL THEN PROVIDE THE NECESSARY DESIGN REMEDIES TO THE CONTRACTOR FOR PRICING, PERMIT AND CONSTRUCTION, IF LINE ITEM BOOSTER PUMP PACKAGE SPECIFIED IS NOT SUFFICIENT.

**NOTE:**  
BOOSTER PUMP SHALL ONLY BE INSTALLED  
WHERE REQUIRED DUE TO INADEQUATE WATER  
PRESSURE. REFER TO SPECIFIC TENANT  
REQUIREMENTS ON SHEET P1.0.

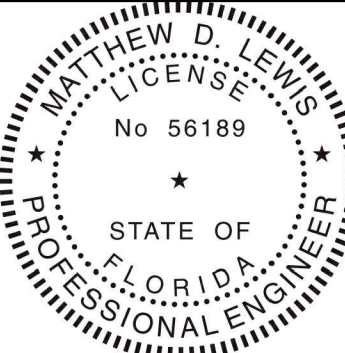


MATTHEW D. LEWIS, P.E. FL LIC#5618



3336 Grand Blvd. Suite 203  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

**THE BEST OF THE KNOWLEDGE OF THE  
TECHNICS AND METHODS, AND PLANS  
MODIFICATIONS COMPLY WITH THE APPLICABLE  
NATIONAL BUILDING CODES AND THE APPLICABLE  
NATIONAL FIRE SAFETY STANDARDS**

[illegible]

**STARBUCKS**  
**SHELL CONSTRUCTION**

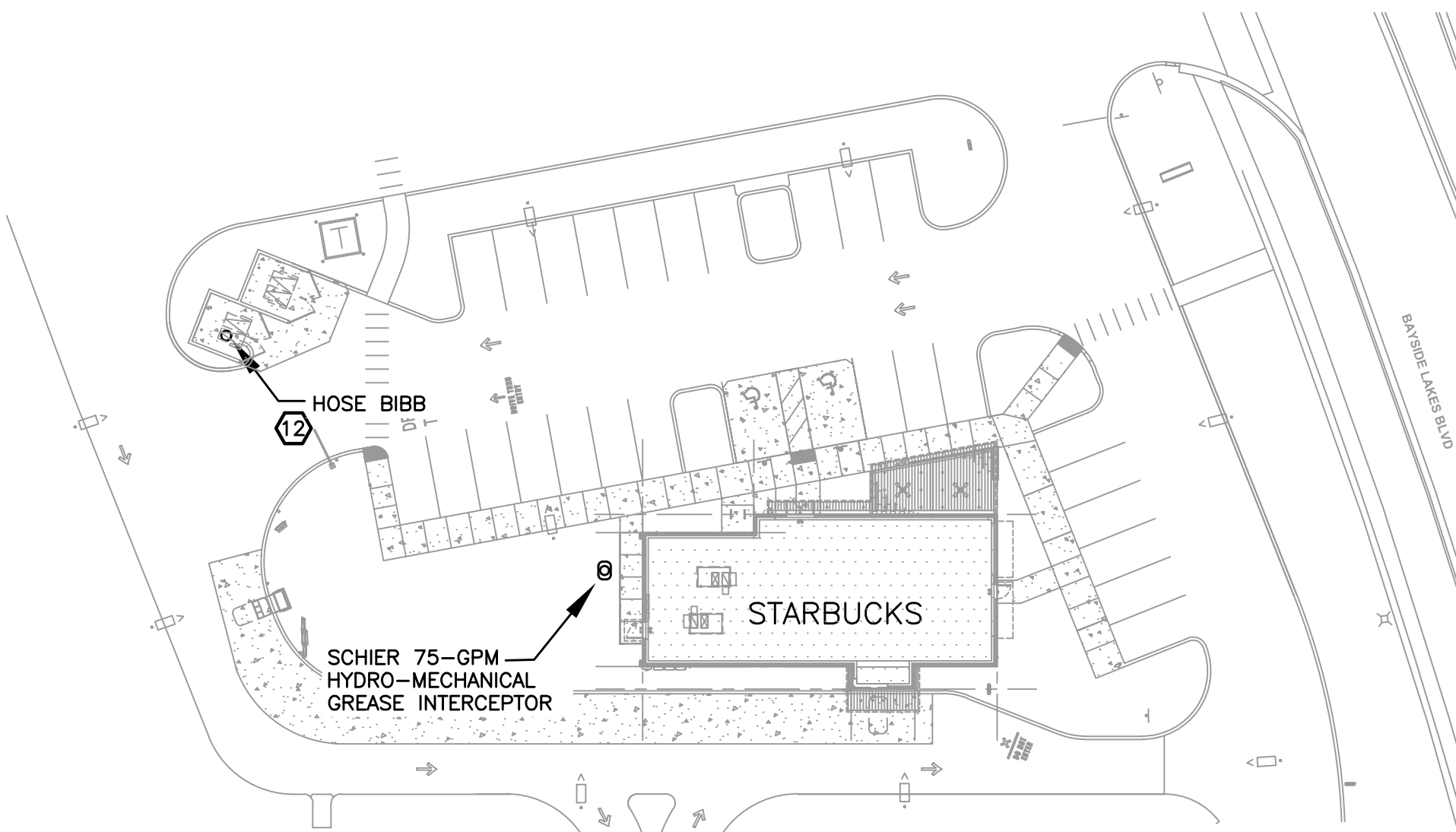
---

BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date  
22032  
comm. no.

## CLIMBING FLOOR PLAN

P2.0



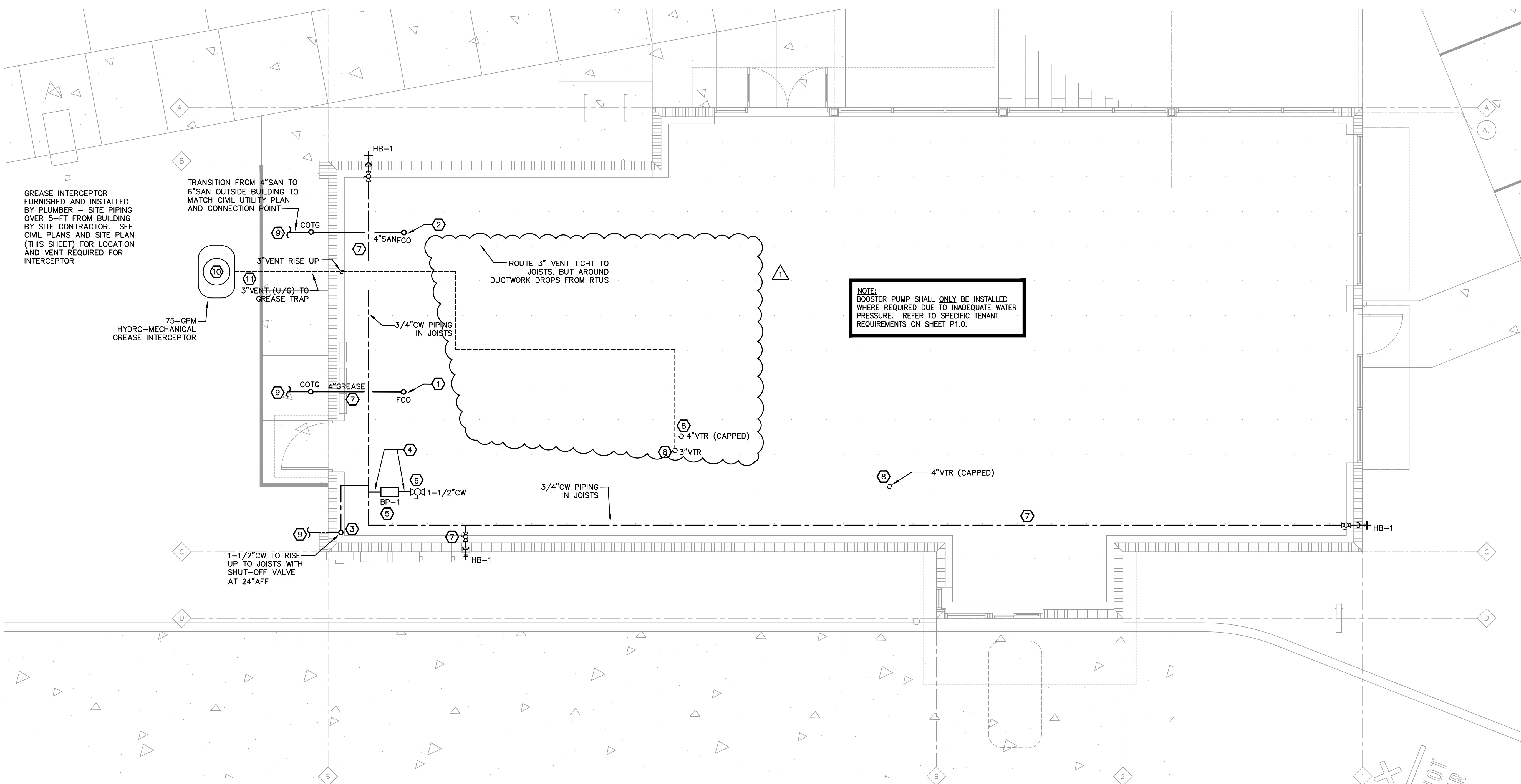
## PLUMBING SITE PLAN

SCALE: NONE



### KEY NOTES ON PLAN

- ① 4" GREASE WITH CLEANOUT 3'-FT INSIDE EXTERIOR WALL LABELED "GREASE" (PROVIDE MAXIMUM DEPTH INVERT = MINIMUM 27" BFF).
- ② 4" SANITARY WITH CLEANOUT 5'-FT INSIDE REAR WALL (MIN 27" BFF).
- ③ DOMESTIC COLD WATER (CW) FROM METER TO BUILDING. THEN ROUTE UP INSIDE BUILDING TIGHT TO WALL WITH BALL VALVE AT 24" AFF, AND HINGED ACCESS PANEL IN DRYWALL, THEN UP WITHIN ROOF FRAMING.
- ④ EXTEND 1-1/2" CW WITHIN ROOF FRAMING TO BOOSTER PUMP # BP-1.
- ⑤ HANG BOOSTER PUMP TIGHT BELOW ROOF FRAMING.
- ⑥ PROVIDE 1-1/2" CW VALVED END WITH CAP FROM BP-1 WITHIN ROOF FRAMING.
- ⑦ ROUTE 3/4" CW PIPING BEFORE BP-1, UP WITHIN ROOF FRAMING TO EACH HOSE BIBB.
- ⑧ VTR LOCATED 10'-FT FROM ALL FRESH AIR INTAKES. EXTEND DOWN INTO BUILDING TO A MINIMUM 12" BELOW ROOF. CAP TEMPORARILY IF INDICATED ON PLANS. EXTEND VTR'S WITHIN SCREEN WALL TO ABOVE TOP OF WALL = WHERE APPLICABLE.
- ⑨ SEE CIVIL FOR CONTINUATION 5'-FT FROM BUILDING.
- ⑩ 75-GPM GREASE INTERCEPTOR PER DETAILS ON PLANS, LOCATE PER CIVIL ENGINEERING UTILITY PLAN. PLUMBER TO PROVIDE & INSTALL.
- ⑪ ROUTE 3" VENT FROM GREASE INTERCEPTOR UNDERGROUND TO BUILDING AND UP TIGHT TO WALL, THEN ROUTE WITHIN JOISTS TO 3" VTR.
- ⑫ REFER TO CIVIL PLANS FOR 3/4" CW TO DUMPSTER. HOSE BIBB PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR. LOCATE PER ARCHITECTURAL PLANS.



## PLUMBING FLOOR PLAN

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



**NOTE:**  
BOOSTER PUMP SHALL ONLY BE INSTALLED  
WHERE REQUIRED DUE TO INADEQUATE WATER  
PRESSURE. REFER TO SPECIFIC TENANT  
REQUIREMENTS ON SHEET P1.0.

SPECIFICATIONS

NOTES

1. 4" FPT with 4" plain end adapters, single inlet and triple outlet
2. Unit weight - w/ cast iron cover: 190 lbs.; w/ composite cover: 135 lbs. (For wet weight add 10.43 lbs.)
3. Maximum operating temperature: 150° F continuous
4. Capacities - Liquid: 125 gal.; Grease: 860 lbs. Solids: 31 gal.
5. This unit does not require flow control.
6. For gravity drainage applications only.
7. Do not use for pressure applications.
8. Cover placement allows full access to tank for proper maintenance.
9. Vent not required unless per local code.
10. Engineered inlet and outlet diffusers are removable to inspect / clean piping.
11. Integral air relief / Anti-siphon / Sampling access.
12. Adjustable cover adapters provide up to 4" of additional height.
13. Fixed outlet models (-FO) have inlet and outlet permanently welded at the factory in the straight-through (S) positions.
14. Flow rates are based on 2-minute drain time.
15. Safety Star® access restrictor built into cover adapter, prevents accidental entry to tanks (450 lb rating).

DIFFUSION FLOW TECHNOLOGY

The inlet diffuser reduces turbulence, creates laminar flow and allows the entire tank volume to be utilized for efficient grease separation and minimal disturbance to existing grease and sediment layers. The integral air relief / anti-siphon at the outlet diffuser top allows pressure stabilization within the unit during operation. The outlet diffuser can easily be attached to any of the three outlets provided to ease job site piping layouts.

ENGINEER SPECIFICATION GUIDE

Schier Great Basin™ grease interceptor model # GB-75 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene. Interceptor shall be furnished for above or below grade installation. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1, with adjustable cover adapter, Safety Star® access restrictor built into cover adapter, and three outlet options. Interceptor flow rate shall be 75 GPM. Interceptor grease capacity shall be 860 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

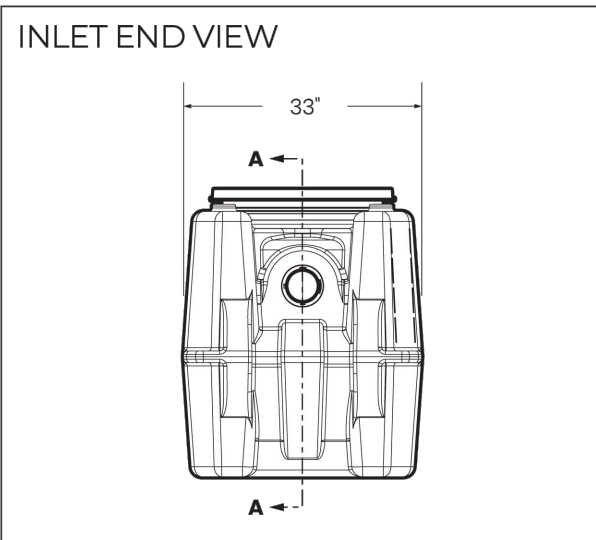
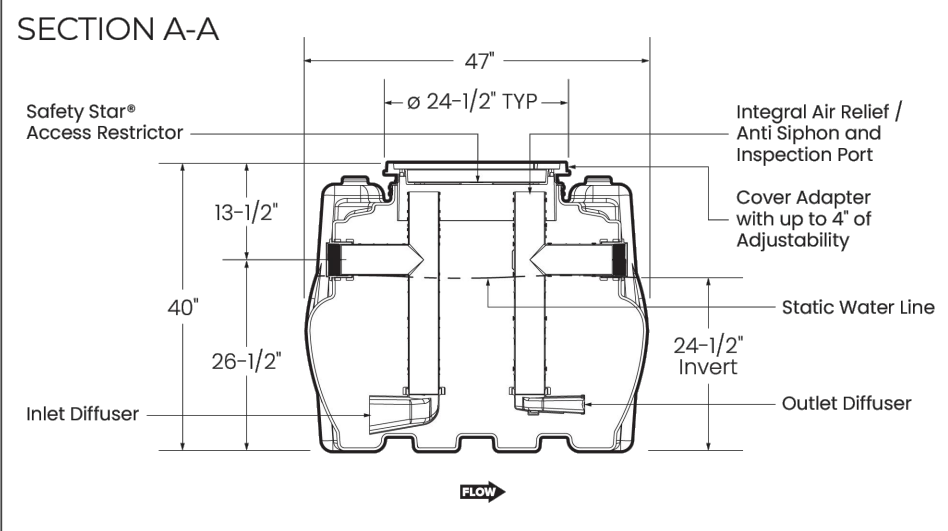
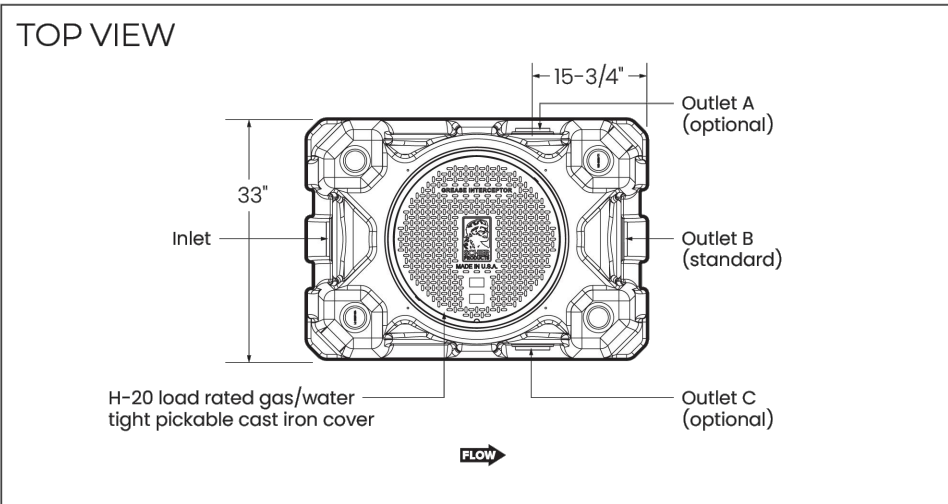
CERTIFIED PERFORMANCE

Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.



	MODEL NUMBER:	DESCRIPTION:
	GB-75	75 GPM Polyethylene Grease Interceptor
PART #: 4045-007-01 DWG BY: B. Korrer		DATE: 8/28/2020 REV: ECO:
9500 Woodend Road   Edwardsville, KS 66111   913-991-3300   schierproducts.com		© Copyright 2020 Schier Products Company

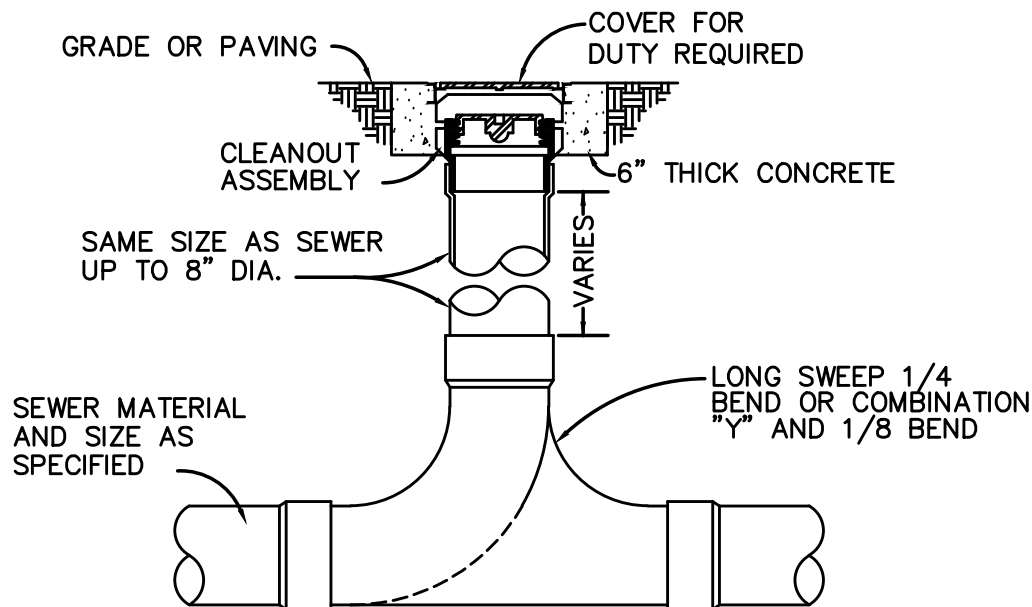
page 4 of 4



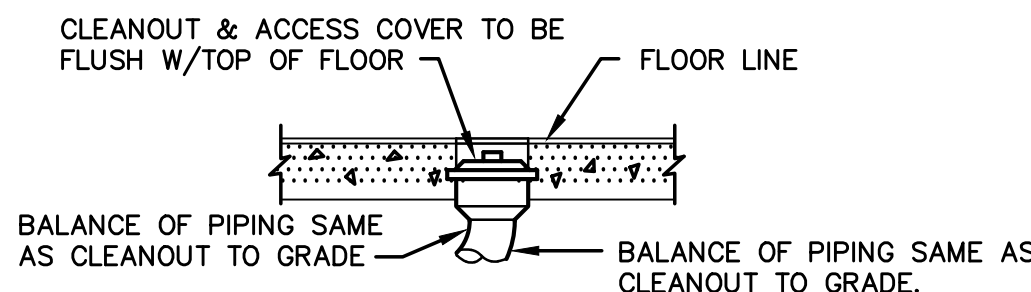
Rated Grease Capacities for Units Piped in Series

No. of Units in Series	Removal Efficiency
	75 GPM 95.8%
2	1,722 lbs.
3	2,583 lbs.
4	3,444 lbs.

PROVIDE WITH H-20 TRAFFIC RATED LID AND RISERS AS NECESSARY TO MATCH INSTALLATION INVERT.



2-WAY GRADE CLEANOUT DETAIL (COTG)  
SCALE: NONE



FLOOR CLEANOUT (FCO)  
SCALE: NONE

GREASE INTERCEPTOR CALCULATIONS

Reviewed by: Tye

Reference No. 46012

Project Name: Coffee Shop - Palm Bay, FL\*

Step 1: Flow rate to grease interceptor

Fixture flow rate: (cu in / 231) = gal x 0.75 / 2 min = 2 min flow rate

NAME	TYPE	DIMENSIONS	QTY	CU IN	FLOW RATE
3 Comp (13700)	3 Compartment Sink	16" x 19" x 14" (3)	1	12,768	20.73 GPM
Advansys (15186)	Dishwasher (Undercounter)	5 gal.	1	1,155	2.5 GPM
Countertop Rinser (19277)	Bar Sink One Bowl	26" x 9" x 12"	2	5,616	9.12 GPM
Drain Tray (17650)	Floor Sink	N/A	1	N/A	N/A
Floor Drain	Floor Drain	N/A	3	N/A	N/A
Hand Sink (14688)	Hand Sink	10" x 14" x 5"	1	700	1.14 GPM
Hand Sink Drop-In 4)	Hand Sink	10" x 6" x 5"	1	300	0.49 GPM
Ice Machine (10294)	Floor Sink	N/A	1	N/A	N/A
Mop Sink (10995)	Mop Basin	24" x 24" x 10"	1	5,760	9.35 GPM
Rinse Drop-In (10549)	Bar Sink One Bowl	12" x 20" x 14"	1	3,360	5.45 GPM
Rinse w/Drainboard (17565)	Bar Sink One Bowl	15" x 27" x 14"	1	5,670	9.2 GPM
Water Filling Station (18743)	Floor Sink	N/A	1	N/A	N/A
Total				57.98 GPM	

Step 2: Grease Production

Servings per day x Grease production value x Days between pump-outs = Grease output

Number of meals served per day: 1000

Grease production value: 0.005 lbs per serving (Coffee Shop: Low / No flatware)

Days between pump-outs: 90 days

1000 x 0.005 x 90 = 450 lbs of FOG

SCHIER MODEL

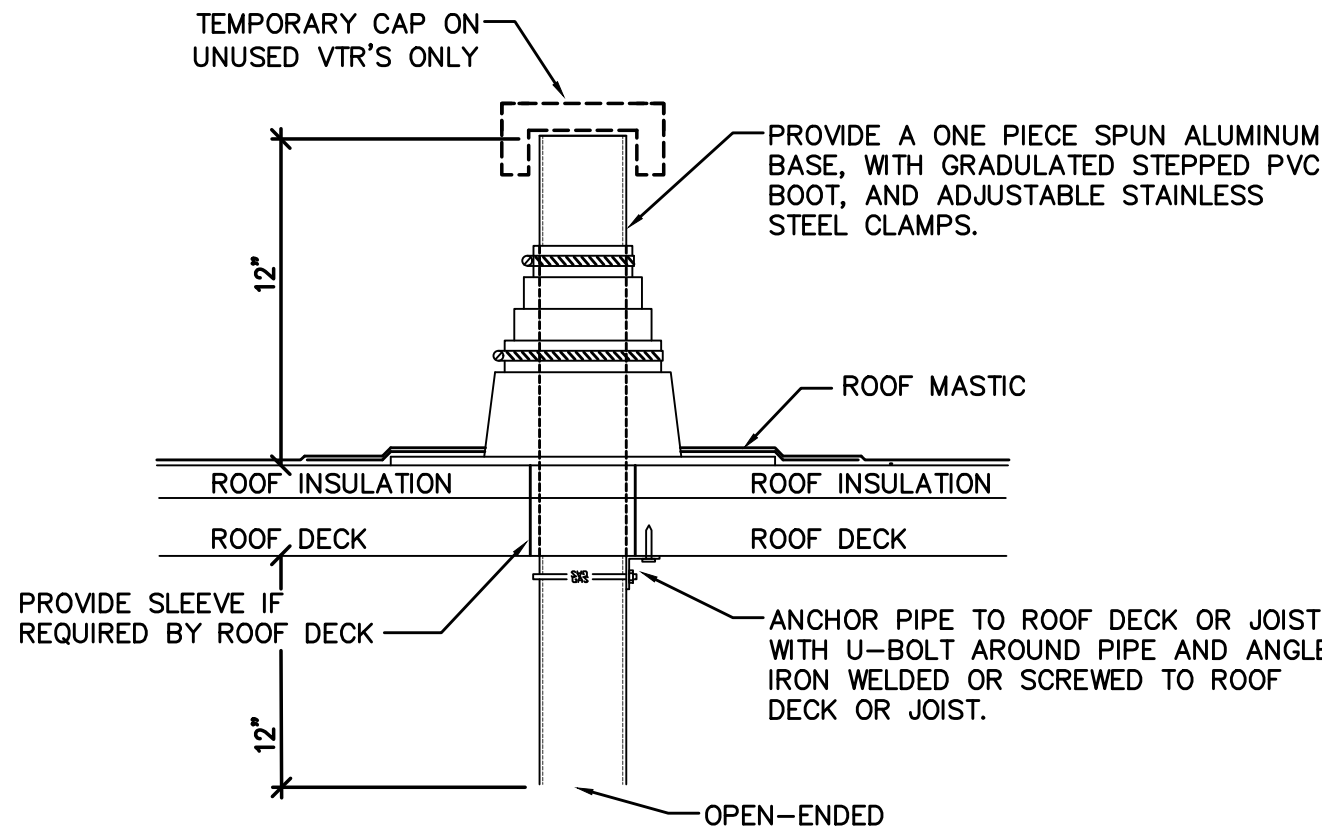
GB-75

Description: Polyethylene Grease Interceptor  
Dimensions: Length: 45.5", Width: 33", Height: 40"  
Flow Rates/Grease Capacities: 75 GPM / 861.8 lbs  
Liquid Capacity: 125 gal

GREASE INTERCEPTOR SIZING:

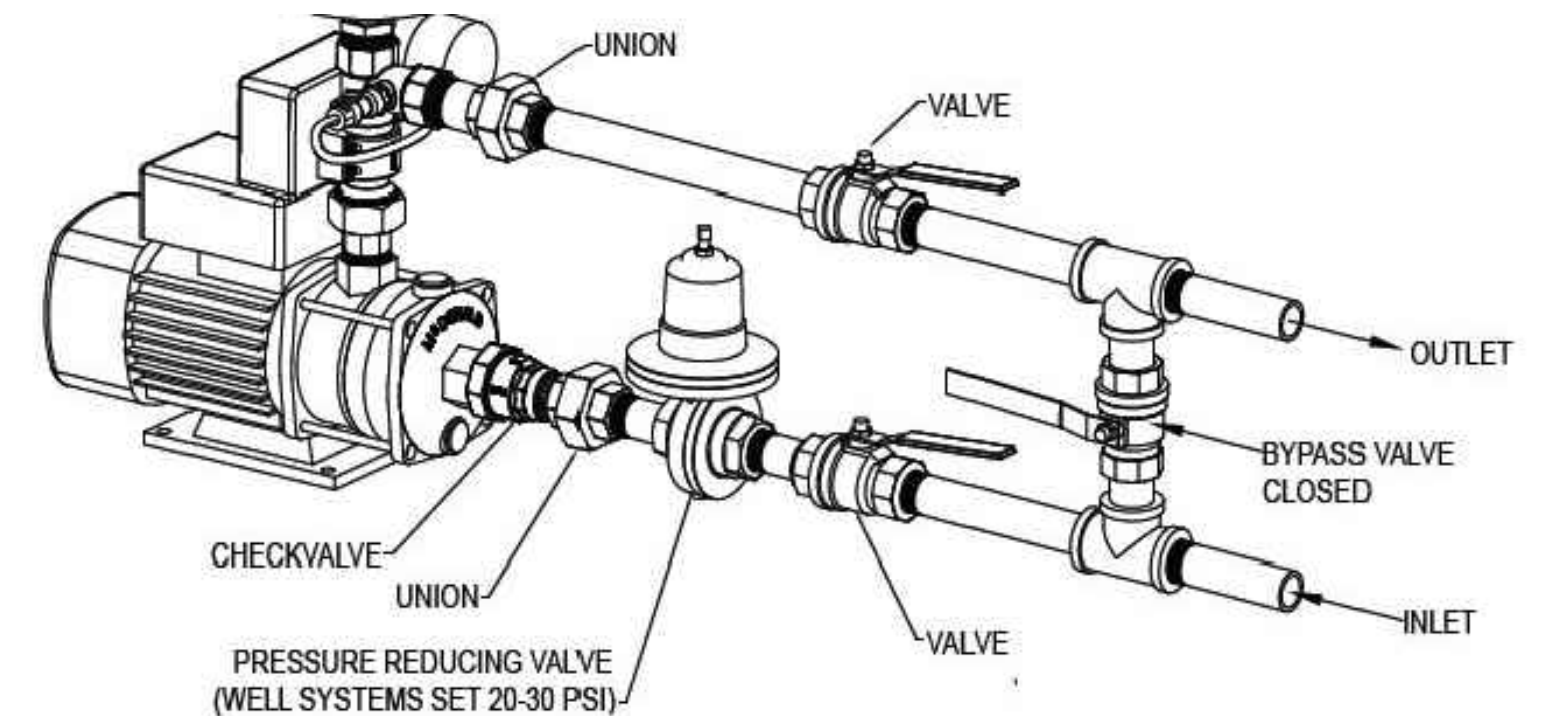
THE PLUMBING ENGINEER OF RECORD FOR THE SHELL HAS ESTIMATED THE SIZE OF THE GREASE INTERCEPTOR BASED ON THE TENANT'S PROPOSED USE. THE UNIT SPECIFIED SHALL BE THE BASIS OF THE CONTRACTOR'S BIDS. PRIOR TO CONSTRUCTION, STARBUCKS WILL PROVIDE A COMPLETE SET OF INTERIOR FINISH-OUT PLANS THAT WILL INCLUDE SIZING OF GREASE INTERCEPTOR. FOR THIS REASON, THE SIZE SHOWN ON THE SHELL DOCUMENTS ARE SUBJECT TO CHANGE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SUBMIT SHOP DRAWINGS OR ORDER GREASE INTERCEPTOR UNTIL THE INTERIOR FINISH-OUT DOCUMENTS HAVE BEEN FINALIZED. THE ARCHITECT SHALL IMMEDIATELY NOTIFY THE GENERAL CONTRACTOR UPON RECEIPT AND, AT THAT TIME, WILL MAKE HIM AWARE OF ANY NECESSARY CHANGES.

THE GREASE INTERCEPTOR LOCATION IS PER THE CIVIL ENGINEER'S PLANS. GREASE INTERCEPTOR TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.



VENT THRU ROOF DETAIL

SCALE: NONE

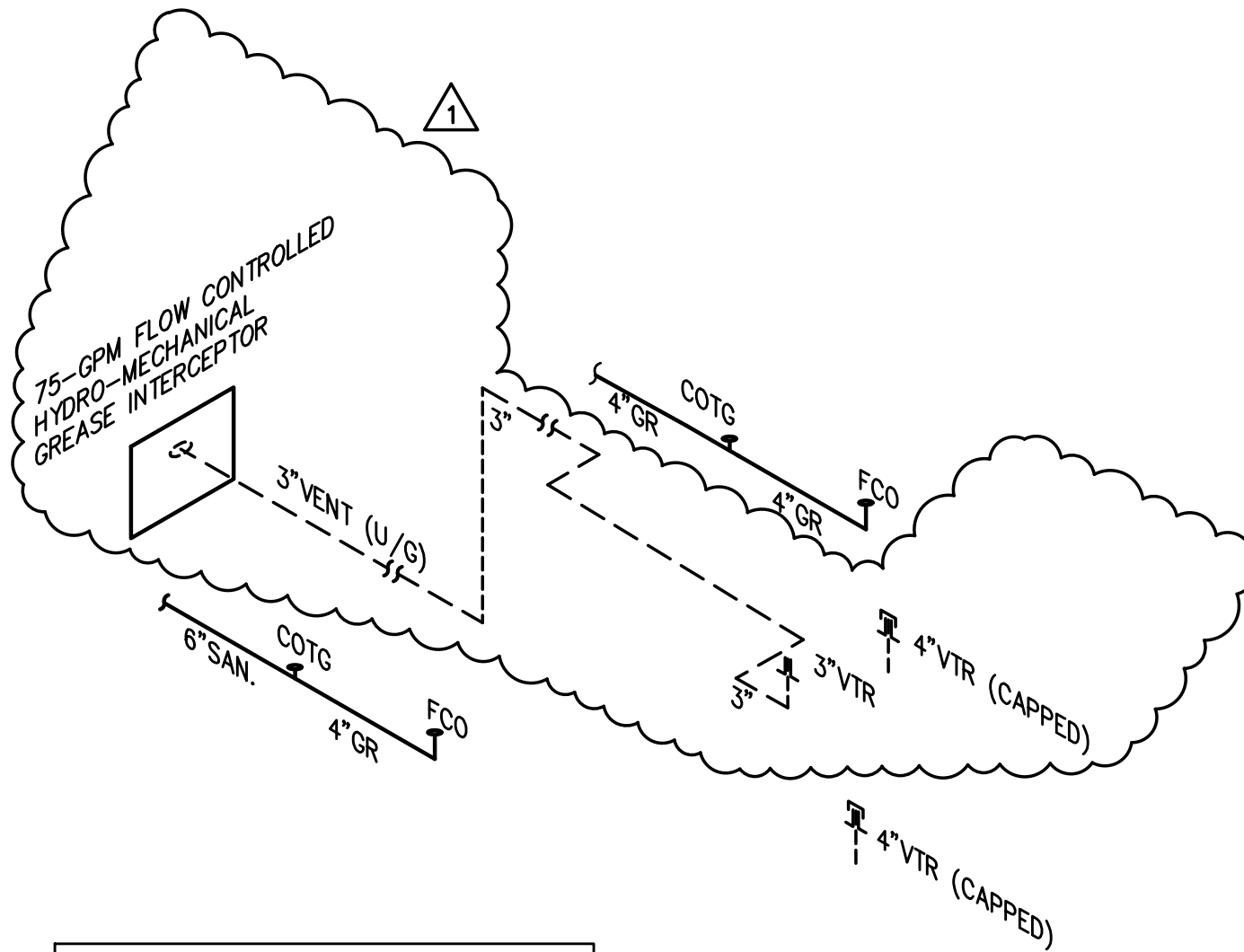


PACKAGED BOOSTER SYSTEM SCHEMATIC

SCALE: NONE

FIXTURE & CONNECTION SCHEDULE

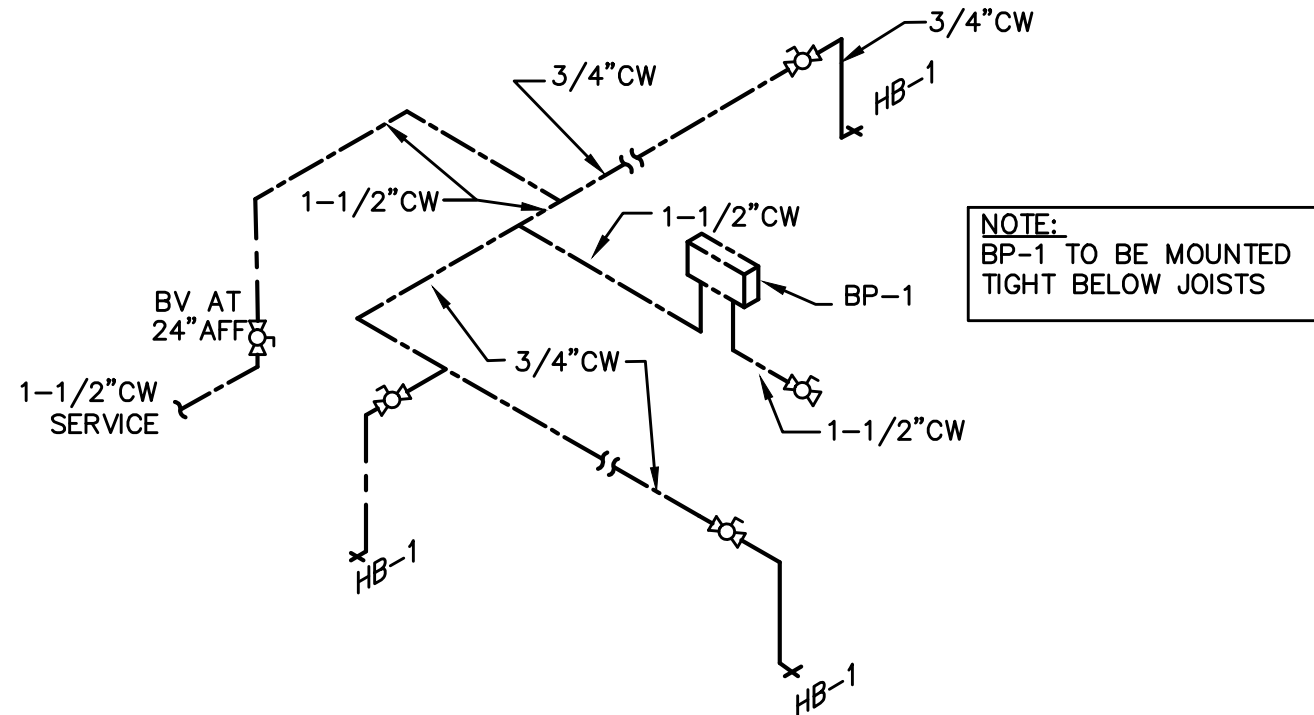
FIXTURE	TAG	BRANCH SIZE				MANUFACTURER/MODEL	REMARKS
		DRAINAGE		WATER			
		WASTE	VENT	COLD	HOT		
FLOOR CLEANOUT	FCO	--	--	--	--	ZURN # Z1400-ZB	"LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT, DURA--COATED CAST--IRON, POLISHED BRONZE TOP, ADJUSTABLE TO FLOOR FINISH.
HOSE BIBB	HB-1	--	--	3/4"	--	WOODFORD # B65	HOSE BIBB: FREEZELESS WALL HYDRANT, FLUSH WALL BOX, POLISHED BRASS FACE PLATE, BRONZE CASING, HOSE CONNECTION WITH INTEGRAL VACUUM BREAKER, WHEEL HANDLE. T-KEY FOR BOX.
BOOSTER PUMP	BP-1	--	--	2"	--	PERFECT PRESSURE PUMP # P3-3HP	SEPARATE LINE ITEM - PACKAGED DOMESTIC WATER PRESSURE BOOSTER SYSTEM. SYSTEM TO INCLUDE 3-HP MOTOR AT 208-VOLTS/1-PHASE, PROVIDING 46-PSI BOOST, 50-GPM. PROVIDE ALL COMPONENTS NECESSARY FOR COMPLETE INSTALLATION INCLUDING, BUT NOT LIMITED TO: UNIONS, BALL VALVES, DIGITAL PRESSURE/SPEED CONTROLLER, AND PRESSURE REDUCING VALVES.
PROVIDE SEPARATE LINE ITEM PRICE						NOTE :ONLY REQUIRED IF SITE PRESSURE CANNOT MEET TENANT MINIMUM PRESSURE IN LEASE.	



TOTAL DRAINAGE FIXTURE UNITS ALLOWABLE PER FBC-P TABLE 710.1(1) = 180 DFU AT 1/8" PER FOOT SLOPE.

SANITARY ISOMETRIC RISERS

SCALE: NONE



TOTAL WATER FIXTURE UNITS ALLOWABLE PER FBC-P TABLE E201.1 = 151 WFU NOT MORE THAN 200-FT

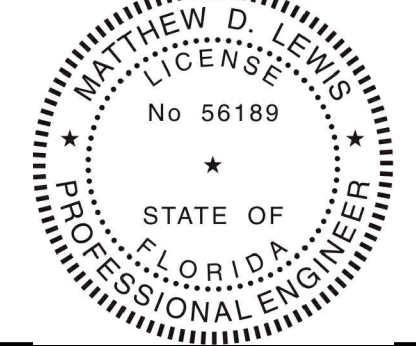
WATER ISOMETRIC RISER

SCALE: NONE

**STEPANEK-Lewis AND ASSOCIATES**  
2257 TWELVE OAKS WAY, SUITE 103  
WESLEY CHAPEL, FL 33544  
PH (813) 991-1248  
REGISTRY # 8397  
22-165  
MATTHEW D. LEWIS, P.E. FL LIC#56189

**FWH Architects**  
3336 Grand Blvd, Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEER, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY ORDINANCES.



REVISION	PER BUILDING PERMIT COMMENTS & TENANT CORRECT.	DATE	NO.	REVISION DESCRIPTIONS
10/17/2023				

**STARBUCKS SHELL CONSTRUCTION**  
BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date  
22032  
comm. no.  
PLUMBING SCHEDULES, RISERS & DETAILS

P3.0







[illegible][illegible]

DAWN

EW53908

WALL

PROJECT

TYPE 'D'

EW53908-(CBA) CBA = COLOR BY ARCHITECT

EW53908-BZ

Bronze

EW53908-BK

Black

EW53908-GY

Gray

SPECIFICATION DETAILS

\* For custom options, consult factory for details.

Fixture Dimensions	W8" x H8" x E3-1/2"
Light Source	AC LED Module
Wattage	10W
Total Lumens	600lm
Delivered Lumens	8K-203lm
Voltage	120V
Color Temperature	3000K
CRI (Ra)	90CRI
Optional Color Temps	2700K - 5000K Available, Minimum Order Quantities Apply
LED Rated Life	50,000 hours
Dimming	100% - 10%, ELV Dimmer (Not Included)
ADA Compliant	Yes
Compliance	ADA
Location	Wet
Warranty	5 Years

DESCRIPTION

Formed aluminum with powder-coated finish, inlaid stone and glass diffuser. Available in 3 finishes

8"

Stone Texture

3-1/2"

Finish  
BK = Black  
BZ = Bronze  
GY = Gray

COMMENT

19054 28TH AVENUE  
SUNBELT - BC V3Z 6M3  
CANADA

WWW.KUZCO.LIGHTING.COM

[illegible]

FIXTURE NOTE.

FIXTURE SHOWN ON THIS SHEET IS FOR REFERENCE ONLY.  
SEE ACTUAL FIXTURE SCHEDULE ELSE WHERE IN THIS  
DOCUMENTS FOR ACTUAL CATALOG NUMBER AND  
DESCRIPTION.

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS

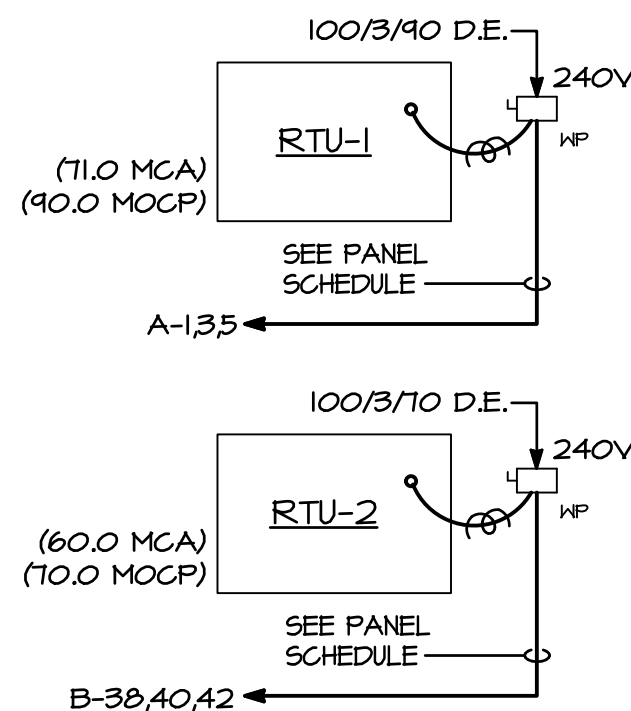
3702 AZEELE ST.  
TAMPA, FL 33609

(813) 876-1415  
[www.chehayeb.com](http://www.chehayeb.com)

LIC. #49521    SOUHEIL S. CHEHAYEB    CERT. #7340  
22-144

MECHANICAL EQUIPMENT

### WIRING DETAILS



#### NOTES:

1. VERIFY NAMEPLATE RATINGS, LOCATIONS, AND POINT OF POWER CONNECTIONS PRIOR TO ROUGH-IN.
2. DO NOT LOCATE DISCONNECT SWITCHES OVER UNIT ACCESS PANELS.
3. PROVIDE A 3/4" EMPTY CONDUIT THROUGH INACCESSIBLE LOCATIONS (i.e., WALLS, UNDER SLAB) FOR CONTROL WIRING. COORDINATE WITH MECH. PLANS.
4. EQUIP. REQUIREMENTS ARE FOR MANUFACTURER AND MODEL NUMBER LISTED ON MECH. PLANS. THE MECH. CONTRACTOR SHALL BEAR ANY ADDITIONAL COSTS INCURRED IF ALTERNATE EQUIPMENT IS PROVIDED.
5. VERIFY ACTUAL EQUIPMENT NAMEPLATE MAXIMUM OVERCURRENT PROTECTION RATING AND ADJUST FUSE SIZE IN DISCONNECT ACCORDINGLY.
6. ALL FUSED DISCONNECTS SHALL BE PROVIDED WITH CLASS 'R' FUSES AND CLASS 'R' REJECTION CLIPS.

H4A

#### LIGHTING CONTROL NOTES:

1. TIME CLOCK AND LIGHTING CONTACTORS SHOWN IN THESE DOCUMENTS FOR CONTROLLING THE OUTDOOR SITE LIGHTING AND THE EXTERIOR BUILDING LIGHTS SHALL BE PROVIDED BY THE SHELL CONTRACTOR UNDER THIS PHASE OF THE WORK.
2. BUILDING LIGHTING CONTROL PANEL SHALL BE PROVIDED BY THE INTERIOR DESIGN TEAM, TO CONTROL THE INTERIOR BUILDING LIGHTING, UNDER THE FIT UP DESIGN PACKAGE.
3. THE SHELL CONTRACTOR SHALL COORDINATE WITH THE INTERIOR CONTRACTOR TO PROVIDE (2) POINTS OF CONTROL IN THE MAIN BUILDING LIGHTING CONTROL PANEL TO CONTROL THE TWO LIGHTING CONTRACTORS SHOWN IN THE SHELL DOCUMENTS AND DELETING THE TIME CLOCK. COORDINATE ALL WORK WITH STARBUCKS PROJECT MANAGER FOR TIE IN POINTS AND METHOD OF CONTROL, AND PROVIDE ACCORDINGLY.

### FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	VOLT	LAMPS	MOUNTING	REMARKS	VA
A	LITHONIA	CS5-L48-4000LM-40K-80CRI-MVOLT	120	LED 4000LM 40K	SURFACE	4' LED GENERAL PURPOSE STRIP LIGHT	36
CA	LITHONIA	HP4-LED-30K-CBA - 90CRI-HP8643 PAN U	120	LED T50 DELIVERED LUMENS AT 3000K	RECESSED	EXTERIOR UNDER CANOPY	10
ER	DUAL-LITE	OCR-D-B-0603L (CBA)	120	LED	EXTERIOR WALL MOUNT	REMOTE LED DOUBLE EMERGENCY HEAD	3
XO	DUAL-LITE	HCX-U-R-W-03L-RG12	120	LED	CEILING OR WALL ABOVE DOOR	COMBINATION TWIN HEAD/ LED EXIT SIGN WITH INTEGRAL 90 MIN. BATTERY BACK-UP	4
HAE	LITHONIA	DSXW-LED-10C-1000-30K-T3M-MVOLT-ELCM	120	LED (3000K)	WALL	LED WALL PACK WITH EMERG. BATTERY	34
D	KUZCO LIGHTING	EN53408-(CBA)	120	LED-3000K INCLUDED	SURFACE WALL MTD. SEE ARCH. EXT. ELEVATION	MET LABEL - LED ACCENT LIGHT	10

CBA = COLOR AS SELECTED BY ARCHITECT.

#### NOTES:

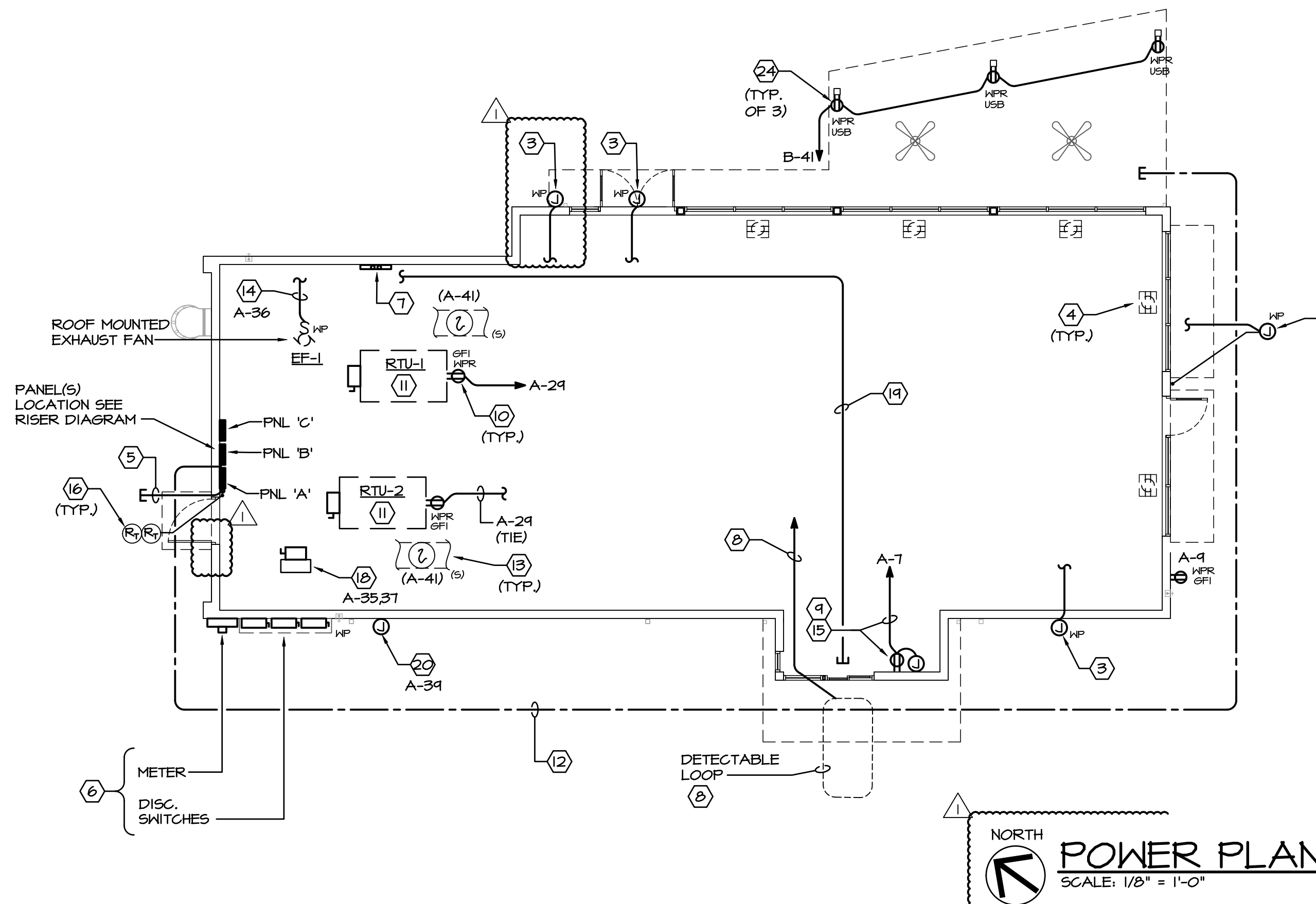
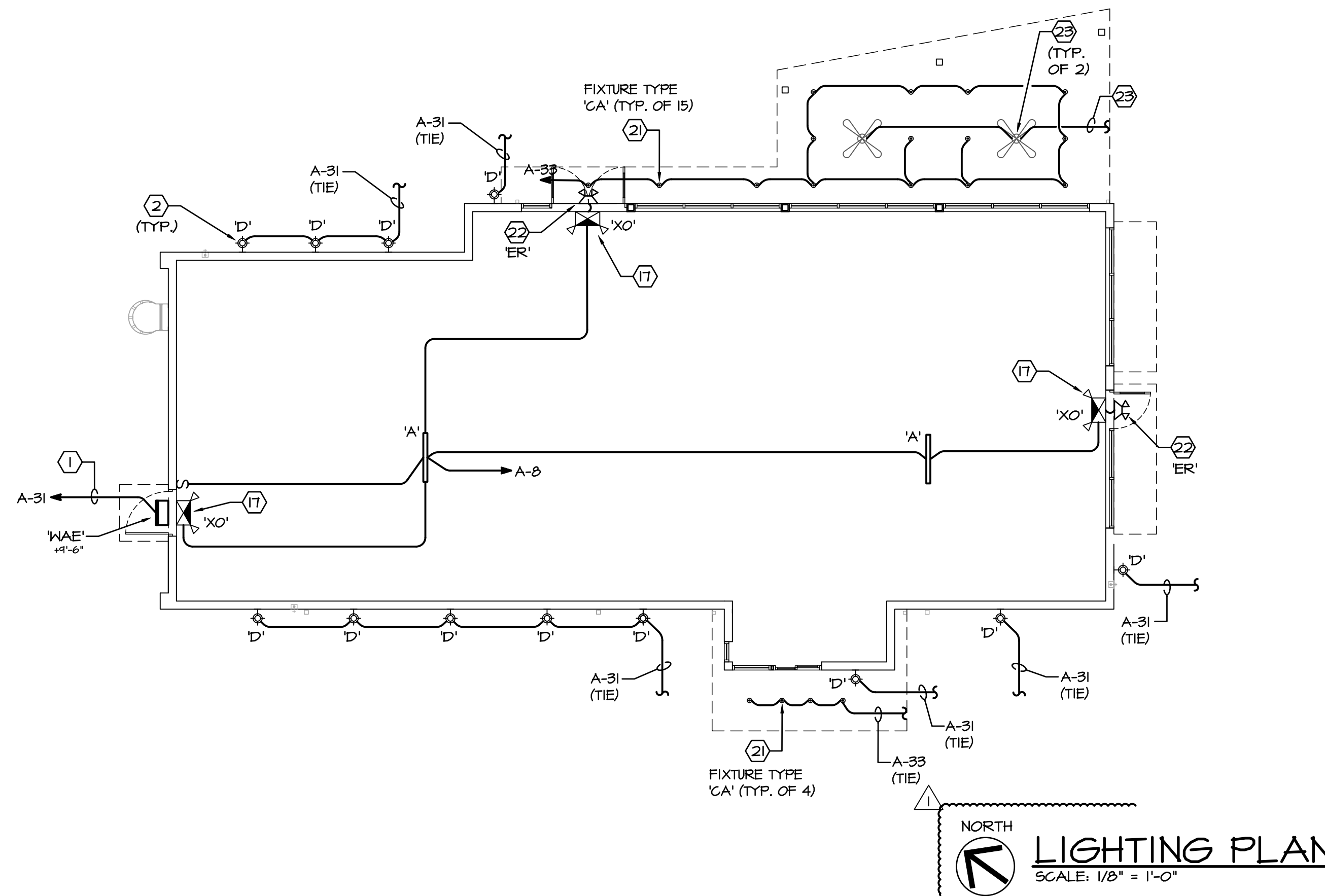
1. ALL FLUORESCENT LIGHTING FIXTURES SHALL HAVE ENERGY SAVING LAMPS WITH ELECTRONIC BALLASTS AS SHOWN IN THE SCHEDULE.
2. PROVIDE NECESSARY MOUNTING HARDWARE AND ACCESSORIES FOR ALL FIXTURES. ACCESSORIES SHALL INCLUDE ALL HARDWARE TO MOUNT FIXTURES AS SHOWN ON SCHEDULES AND/OR DESCRIBED IN THE NOTES.
3. ALL FIXTURE SUBSTITUTIONS MUST BE SUBMITTED FOR APPROVAL (EQUALS ONLY).
4. ALL EMERGENCY, EXIT AND NIGHT LIGHT FIXTURES SHALL BE CONNECTED AHEAD OF LOCAL SWITCHES, RELAYS, OR CONTACTORS UNLESS OTHERWISE NOTED.
5. ALL PRE SUBMITTALS SHALL BE ACCOMPANIED WITH PHOTOMETRIC DATA.
6. EQUAL ACCEPTED MANUFACTURERS ARE, DAY-BRITE, LITHONIA, AND COLUMBIA. EVEN THOUGH THESE MANUFACTURERS ARE ACCEPTED, A TEN DAY PRIOR APPROVAL MUST BE SUBMITTED FOR EVALUATION.
7. CATALOG NUMBER ON FIXTURE SCHEDULE MAY NOT REFERENCE EVERY HARDWARE COMPONENT REQUIRED TO MOUNT FIXTURE AS INTENDED. VERIFY WITH MANUFACTURER FOR PROPER MOUNTING HARDWARE AND ANY ADDITIONAL COMPONENTS REQUIRED TO MOUNT FIXTURE AS INTENDED OR SHOWN.
8. LAMPS SHALL BE ENERGY SAVINGS, COLOR TEMPERATURE AS SHOWN ON SCHEDULE WITH MINIMUM CRI OF 82.
9. LAMPS SHALL BE BY SYLVANIA, G.E., OR PHILIPS, EXCEPT WHEN SUCH LAMPS ARE NOT AVAILABLE FROM THESE MANUFACTURERS, OR SPECIFIED OTHERWISE IN SCHEDULE.
10. SHOP DRAWINGS SHALL INCLUDE:
  - A. COMPLETE FIXTURE CUT SHEETS INCLUDING PHOTOMETRICS.
  - B. BALLAST CUT SHEETS.
  - C. WHERE COLOR SELECTION IS REQUIRED, COLOR CHART SHALL BE PROVIDED WITH THE SHOP DRAWINGS FOR SELECTION BY ARCHITECT/OWNER.
  - D. LAMP CUT SHEETS.
- NOTES:
  1. SHOP DRAWINGS SHALL BE PREPARED BY MANUFACTURER REPRESENTATIVE, AND NOT BY CONTRACTOR.
  2. CONTRACTOR SHALL PROVIDE ALL OF THE REQUIRED DATA LISTED ABOVE WITH THE SHOP DRAWINGS.
11. EMERGENCY LIGHTING SYSTEM INCLUDING BUT NOT LIMITED TO BATTERY BALLAST IN THE FLUORESCENT AND LED FIXTURES SHALL BE LISTED AND COMPLY WITH NFPA 101 LIFE SAFETY CODE SECTION 7.4. THE SYSTEM SHALL BE PERIODICALLY TESTED PER NFPA 101 SECTION 7.4.3.1.1.
12. ALL LINEAR LUMINARIES SHALL COMPLY WITH NEC 410.73 (6) FOR BALLAST DISCONNECT.
13. CONTRACTOR SHALL COORDINATE WITH CANOPY INSTALLER FOR FIXTURE LOCATION AND DRIVER LOCATION AND PROVIDE ACCORDINGLY.

S4A

### NOTES

1. CIRCUIT(S) TO BE CONTROLLED BY PHOTOCELL.
2. EXTERIOR MOUNTED LIGHT FIXTURE. SEE ARCHITECTURAL ELEVATION FOR EXACT LOCATION.
3. PROVIDE WEATHERPROOF JUNCTION BOX WITH 1" CONDUIT STUBBED IN TO BEAM SPACE FOR TENANT SIGNAGE. COORDINATE WITH SIGN CONTRACTOR PRIOR TO ROUGH-IN.
4. SHOW WINDOW RECEPTACLES IN ACCORDANCE WITH NEC 210.62 TO BE FURNISHED AND INSTALLED UNDER TENANT FIT-UP DRAWINGS.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE THREE SPARE 1" CONDUITS WITH PULLWIRE RUN THRU FOUNDATION WALL OUT REAR OF BUILDING AND CAPPED 18" A.F.F. CONDUIT SHALL BE TERMINATED ABOVE CEILING. VERIFY STUB-UP LOCATIONS ON SITE WITH TENANT.
6. ELECTRIC SERVICE LOCATION. SEE RISER DIAGRAM ON SHEET E3.0.
7. TELEPHONE AND CABLE TV SERVICE STUB-UP. FIELD COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. CONDUITS TO BE STUBBED UP AT A LOCATION COORDINATED WITH THE TENANT BUILD-OUT DOCUMENTS.
8. DETECTOR LOOP CENTERED ON THE WINDOW 2" BELOW FINISH GRADE. ROUTE (1) 1" CONDUIT WITH PULL WIRE TO DRIVE THRU WINDOW AND TERMINATE NEAR TIME SIGNAL PROCESSOR (TSP). (FIELD COORDINATE EXACT LOCATION WITH TENANT PRIOR TO ROUGH-IN.
9. DRIVE THRU AUTOMATIC SLIDER WINDOW. PROVIDE (1) 120V, CIRCUIT WITH A J-BOX. SEE MANUFACTURER SPECIFICATIONS FOR FURTHER REQUIREMENTS.
10. WEATHERPROOF, GFI, WEATHER RESISTANCE TYPE, DUPLEX RECEPTACLE MOUNTED AT RTU. TIE TO INDICATED CIRCUIT.
11. HVAC ROOF TOP UNIT. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION. SEE DETAIL ON THIS SHEET.
12. (2) 1" CONDUIT WITH PULLWIRE TO BE RUN THROUGH FOUNDATION WALL TO FRONT OF BUILDING PATIO SEATING AREA. VERIFY LOCATIONS FOR STUB-UP WITH TENANT'S REPRESENTATIVE. CONDUIT SHALL TERMINATE AT THE DESIGNATED PANEL.
13. DUCT SMOKE DETECTOR IN SUPPLY AIR STREAM. SEE DETAIL ON SHEET E3.0.
14. 120V, CIRCUIT FROM A MAINTENANCE SWITCH AT THE EXHAUST FAN TO A J-BOX ABOVE CEILING AT THE SOURCE PANEL LOCATION AND EXTENDED TO THE SOURCE PANEL, FOR FUTURE CONTROL BY TENANT TI PLANS. MAKE ALL FINAL TERMINATIONS AS REQUIRED.
15. PROVIDE 120V, 20A DUPLEX OUTLET FOR DRIVE-THRU ELECTRIC RELEASE AUTOMATIC SLIDER WINDOW. MOUNT AT 80" A.F.F. SEE MANUFACTURER SPECIFICATION FOR FURTHER REQUIREMENTS. COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE.
16. REMOTE TEST SWITCHES. FIELD VERIFY EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN. SEE DETAIL ON SHEET E3.0.
17. COMBINATION EXIT/EMERGENCY LIGHT TO BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF SWITCHING OR CONTROL.
18. 3-HP 208V, 1-PHASE BOOSTER PUMP, WHERE REQUIRED. PROVIDE 60A, 2-POLE FUSED DISCONNECT, 240V, NEMA 1 FUSED PER NAME PLATE RATING OF MOTOR. FIELD VERIFY EXACT PUMP LOCATION PRIOR TO ROUGH-IN.
19. PROVIDE (1) 1-1/2" CONDUIT FROM DATA RACK AT MANAGERS WORK STATION TO DRIVE THRU BUMP-OUT. FIELD COORDINATE EXACT TERMINATION POINT AND ROUTING PRIOR TO ROUGH-IN.
20. WEATHER PROOF BOX WITH COVER FOR IRRIGATION CONTROLLER. FIELD VERIFY EXACT LOCATION. TIE TO INDICATED CIRCUIT. MAKE FINAL TERMINATION TO THE CONTROLLER AS REQUIRED.
21. RECESSED LIGHT FIXTURES. TIE TO THE CIRCUIT AND CONTROL INDICATED. ALL CONDUITS AND WIRING SHALL BE FULLY CONCEALED IN THE CANOPY.
22. REMOTE OUTDOOR EMERGENCY FIXTURE SURFACE MOUNTED TO THE BOTTOM OF THE CANOPY. ALL CONDUITS AND WIRING SHALL BE FULLY CONCEALED IN CANOPY.
23. PROVIDE J-BOX FOR PADDLE FAN SUPPORTED PER N.E.C. AND LISTED FOR FAN INSTALLATION. PROVIDE 1/2" CONDUIT WITH WIRE BETWEEN BOXES AND 1/2" CONDUIT WITH PULL WIRE TO THE INSIDE OF THE STORE CEILING STRUCTURE FOR POWER AND CONTROL BY OTHERS. ALL CONDUITS AND WIRING SHALL BE FULLY CONCEALED IN SOFFIT.
24. PATIO RECEPTACLE. PROVIDE 20AMP USB WEATHER RESISTANCE OUTLET WITH A "WET WHILE IN USE" COVER IN A NEMA 3R BELL BOX. MOUNT BOX BETWEEN, AND SUPPORTED BY VERTICAL RAILING. FIELD COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. POWERED BY A GFCI BREAKER.

N4A



#### CONDUIT STUB-UP NOTE:

COORDINATE ALL STUB-UP LOCATIONS AND REQUIREMENTS WITH TENANT PLANS PRIOR TO ROUGH-IN. PROVIDE PULLWIRE FOR ALL EMPTY CONDUITS. CAP AND LABEL EACH CONDUIT STUB-UP.

WORK SHOWN UNDER THIS PERMIT IS FOR SHELL BUILDING ONLY. ALL ADDITIONAL INTERIOR WORK TO BE PERFORMED UNDER SEPARATE PERMIT, PRIOR TO TENANT OCCUPANCY SPACE.

#### EQUIPMENT STUB-UP NOTE

ELECTRICAL CONTRACTOR SHALL OBTAIN A COPY OF TENANT DRAWING I-III FOR LAYOUT OF CONDUIT STUB-UPS AT EQUIPMENT LOCATIONS. PROVIDE PULLWIRE IN ALL CONDUIT STUB-UP RUNS.

CONDUITS TO BE RUN UNDERSLAB TO ADJACENT FULL HEIGHT WALL AND UP IN FURRED OUT SPACE TO ABOVE DROP CEILING FOR FUTURE WIRING.

REVISION #1 CONSIST OF REPLACING THE BACKGROUND, COORDINATING ALL AFFECTED DEVICES AND CONTROLS, NOT CLOUDED DUE TO CLARITY.

CHEHAYEB & ASSOCIATES, INC.  
CONSULTING PROFESSIONAL ENGINEERS

3702 AZEELE ST.  
TAMPA, FL 33609

(813) 876-1415  
www.chehayeb.com

LIC. #49521 SOUHEIL S. CHEHAYEB CERT. #7340  
22-144



3336 Grand Blvd. Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

SOUHEIL CHEHAYEB, P.E.  
FL License No. 49521

REVISED PER BUILDING PERMIT COMMENTS & TENANT CORRD.	no.	date	revision descriptions
10/17/2023			

STARBUCKS  
SHELL CONSTRUCTION

BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022  
date

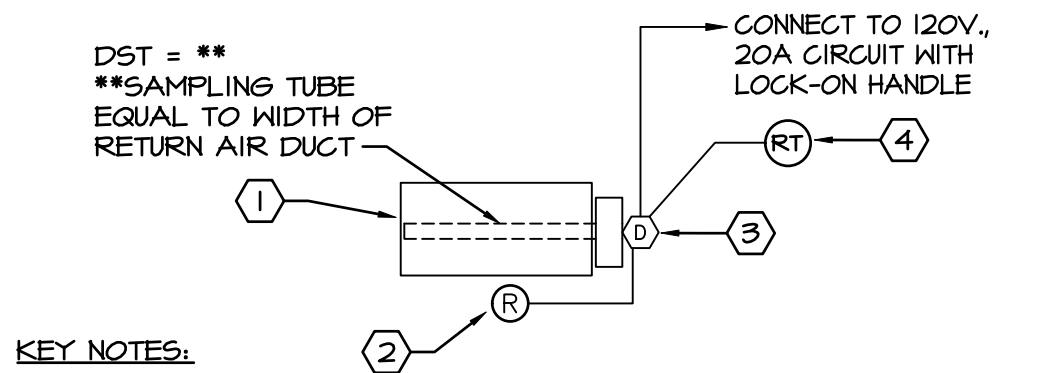
22032  
comm. no.

LIGHTING AND  
POWER PLANS

E2.0

DUCT DETECTOR

## WIRING DETAIL



## KEY NOTES:

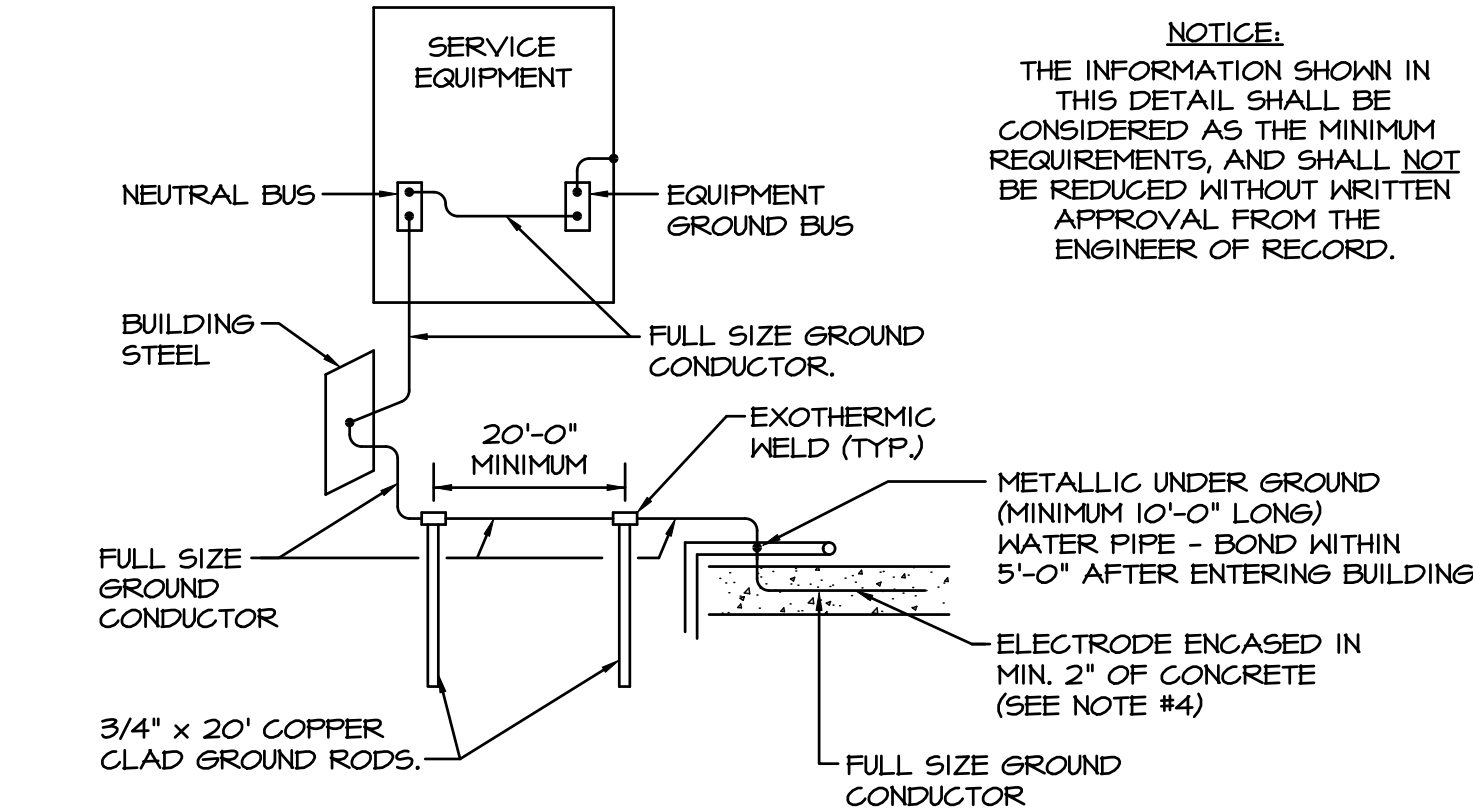
- RETURN AIR DUCT AND/OR SUPPLY AIR DUCT. SEE FLOOR PLAN SHEET FOR LOCATION AND QUANTITY. COORDINATE WITH MECHANICAL CONTRACTOR.
- CONTROL RELAY FOR SHUT DOWN OF RTU'S.
- SYSTEM SENSOR D4120 PHOTOELECTRIC 120V AC SMOKE DETECTOR. DUCT SMOKE DETECTOR SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR IN DUCTWORK AND WIRED BY ELECTRICAL CONTRACTOR.
- SYSTEM SENSOR RTS2-AOS REMOTE TEST STATION WITH STROBE

## GENERAL NOTES:

- DUCT DETECTOR & MULTI-SIGNALING ACCESSORY MODEL NUMBERS ARE FROM SYSTEM SENSOR.
- ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE LATEST LOCAL CODES.
- SMOKE DETECTOR TO BE SUPPLIED BY ELECTRICAL CONTRACTOR TO THE MECHANICAL CONTRACTOR FOR INSTALLATION INTO DUCT.
- ELECTRICAL CONTRACTOR TO PROVIDE, WIRE AND TEST OPERATION OF DETECTOR AND NOTIFICATION DEVICES.
- UPON ACTIVATION OF DUCT SMOKE DETECTOR THE HVAC UNIT SHALL SHUT DOWN. PROVIDE ADDITIONAL RELAYS REQUIRED TO ACCOMPLISH THIS TASK.

SERVICE EQUIPMENT

## GROUNDING DETAIL



NOTICE:  
THE INFORMATION SHOWN IN THIS DETAIL SHALL BE CONSIDERED AS THE MINIMUM REQUIREMENTS, AND SHALL NOT BE REDUCED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.

## NOTES:

- FULL SIZE GROUND MEANS THAT GROUND CONDUCTOR SIZE SHALL BE AS SHOWN ON SERVICE EQUIPMENT ON THE POWER RISER DIAGRAM.
- AFTER GROUNDING SYSTEM IS INSTALLED, GROUND RESISTANCE SHALL BE MEASURED, TO ASSURE THAT GROUND VALUE OF 10 OHM MAXIMUM RESISTANCE IS ACHIEVED. IF NOT, ADDITIONAL GROUNDING SHALL BE PROVIDED TO MEET THE SPECIFIED VALUE.
- ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC WELD CONNECTIONS.
- GROUND CONDUCTOR SHALL BE LOCATED WITHIN OR NEAR BOTTOM OF CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, AND SHALL CONSIST OF AT LEAST 20 FEET OF ONE OR MORE STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 1/2 INCH DIAMETER, OR OF AT LEAST 20 FEET OF BARE COPPER CONDUCTOR.

P44A

NOTE:  
LOAD SHOWN ON THIS DOCUMENT IS FOR THE SHELL PORTION OF THE PROJECT ONLY. ESTIMATED LOAD FOR THE SHELL AND THE INTERIOR BUILDOUT OF THIS PROJECT IS APPROXIMATELY 181 DEMAND KVA OR 500.0 DEMAND AMPS AT 120/208V, 3-PHASE, 4-WIRE.

## PANEL SCHEDULE LEGEND

## LOAD CODES

A/AS = HVAC LOAD  
K# = KITCHEN LOADS (1, 2 OR 3 CIRCUIT)  
L/L3 = LIGHTING LOAD  
M/M3 = MISCELLANEOUS LOAD  
R = RECEPTACLE LOAD  
F/F3 = REFRIGERATION LOAD  
W/W3 = WATER HEATER  
U/U3 = USER SPECIFIED LOAD  
X = EXCLUDED, NON-CONCURRENT LOAD. (HVAC LOADS ARE NON-CONCURRENT; TOTALS BASED ON HIGHER VALUE.)

## DESIGNATION

IG = ISOLATED GROUND CIRCUIT  
GFI = GROUND FAULT INTERRUPTER  
C# = CONTACTOR CONTROLLED (#) INDICATES CONTACTOR NUMBER  
PC = PHOTOCELL CONTROLLED  
R# = CONTROLLED BY LCP, (#) INDICATES RELAY NUMBER  
SF = SUB-FEED BREAKER  
NB = NEW BREAKER TO MATCH EXISTING IN TYPE, STYLE AND AIC RATING.

## NOTICE

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ARC FLASH LABELS AS REQUIRED BY NFPA TO (NEC) 110.16, AND PERSONAL PROTECTIVE EQUIPMENT (PPE) RATING PLACARDS PER NFPA TOE FOR ALL NEW PANELBOARDS AND SWITCHGEAR.

CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FIELD MARKING PANELBOARDS AND SWITCHGEAR WITH THE AVAILABLE FAULT CURRENT AND THE DATE THE FAULT CURRENT CALCULATIONS WERE PERFORMED PER NFPA TO (NEC) 110.24.

PROVIDE PLAQUE AS FOLLOWS FOR EACH NEW PANEL:

PANEL \_\_\_\_\_ A.I.C. RATING \_\_\_\_\_  
SERIES ☐ FULLY ☐  
VOLTAGE \_\_\_\_\_, PHASE \_\_\_\_\_, AMP \_\_\_\_\_  
FEEDER OCP \_\_\_\_\_, WIRE \_\_\_\_\_ TYPE-CU ☐ AL ☐  
SOURCE PANEL \_\_\_\_\_  
FEEDER TYPE - UPS ☐ GENERATOR ☐  
NORMAL ☐ UPS/GENERATOR ☐  
AVAILABLE FAULT CURRENT (DATE): \_\_\_\_\_

## EXAMPLE:

PANEL 'A'  
A.I.C. RATING 22K  
SERIES ☒ FULLY ☐  
VOLTAGE 120/208, PHASE 3, AMP 225  
FEEDER OCP 200, WIRE 4#3/0, 1#6 G, TYPE-CU ☒ AL ☐  
SOURCE PANEL 'D'  
FEEDER TYPE - UPS ☐ GENERATOR ☐  
NORMAL ☒ UPS/GENERATOR ☐  
AVAILABLE FAULT CURRENT (DATE): 15,250A (12-06-21)

N44A

NOTE FOR ALL SERIES RATED EQUIPMENT  
(PER 2017 N.E.C. SECTION 110.22 AND 240.86 (B) & (C))

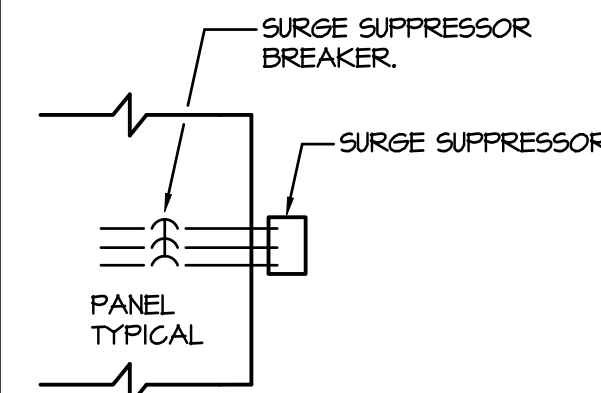
WHERE CIRCUIT BREAKERS OR FUSES ARE APPLIED IN COMPLIANCE WITH THE SERIES COMBINATION RATINGS MARKED ON THE EQUIPMENT BY THE MANUFACTURER, THE EQUIPMENT ENCLOSURE(S) SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION RATINGS. THE MARKING SHALL BE READILY VISIBLE AND STATE:

CAUTION - SERIES COMBINATION SYSTEM RATED -K- AMPERES.  
IDENTIFIED REPLACEMENT COMPONENTS REQUIRED

AS A PART OF THE MARKING ON THE PANEL IT SHALL ALSO IDENTIFY REPLACEMENT COMPONENTS REQUIRED.

N1A

## INSTALLATION DIAGRAM



## SURGE SUPPRESSOR WIRING NOTES:

- WHERE A SURGE SUPPRESSOR IS CONNECTED TO A BREAKER IN A PANELBOARD OR A DISTRIBUTION PANELBOARD THE LEAD LENGTH FROM THE BREAKER TO THE SUPPRESSOR SHALL BE KEPT TO A MINIMUM, AND THE SUPPRESSOR SHALL BE MOUNTED ON THE SAME SIDE AS THE BREAKER SERVING THAT SUPPRESSOR. ALL BREAKERS FEEDING SUPPRESSION UNITS SHALL BE PROVIDED WITH LOCK ON HANDLE.
- THE DISTANCE BETWEEN BREAKER (IN PANEL POWERING SURGE SUPPRESSOR UNIT) AND THE SURGE SUPPRESSOR UNIT SHALL NOT BE MORE THAN 12", NO EXCEPTIONS.

P44A

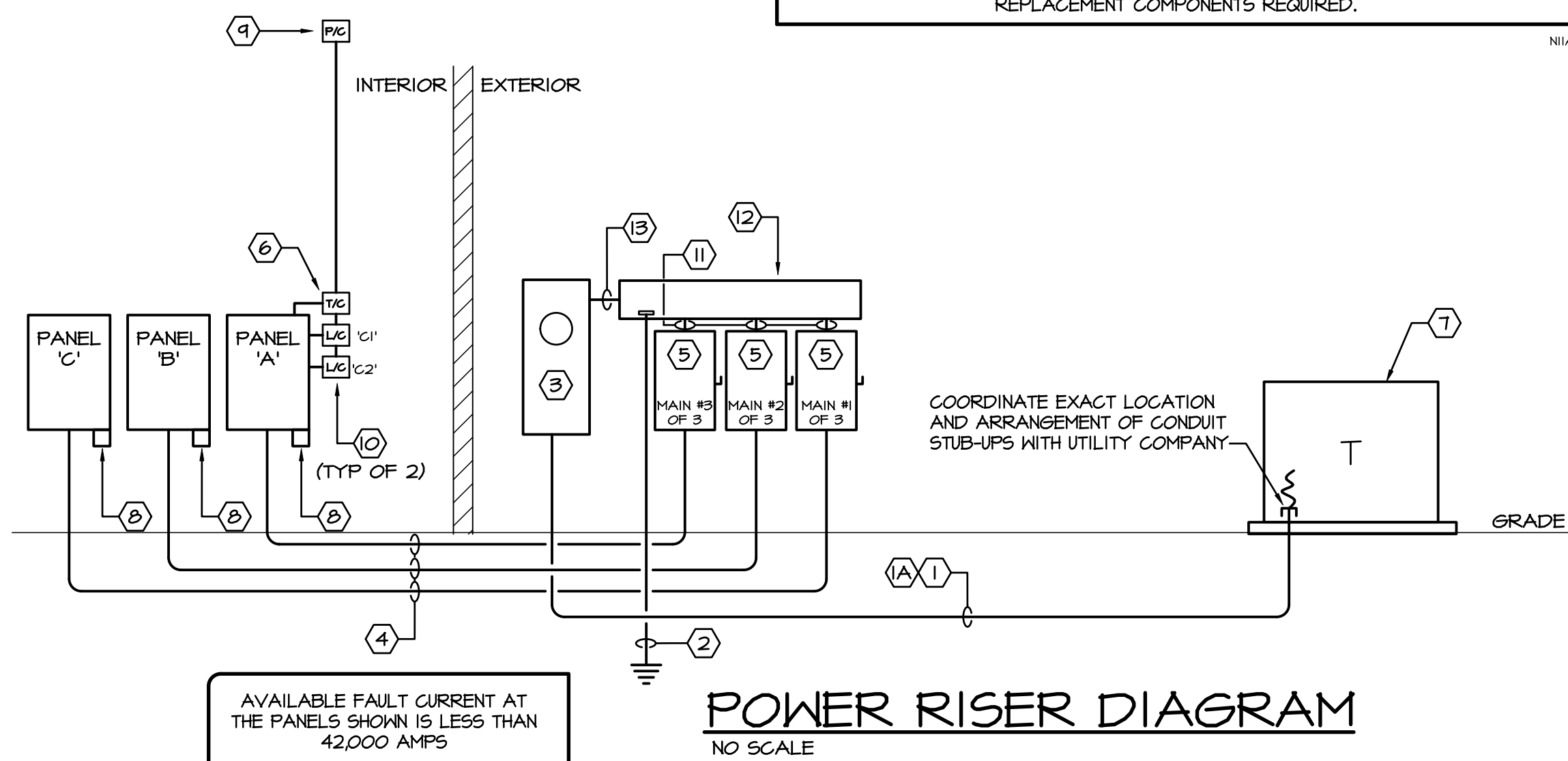
CHEHAYEB & ASSOCIATES, INC.  
CONSULTING PROFESSIONAL ENGINEERS

3702 AZEELE ST.  
TAMPA, FL 33609

(813) 876-1415  
www.chehayeb.com

LIC. #49521 SOUHEIL S. CHEHAYEB CERT. #7340  
22-144

## POWER RISER DIAGRAM



AVAILABLE FAULT CURRENT AT THE PANELS SHOWN IS LESS THAN 42,000 AMPS

NO SCALE



3336 Grand Blvd. Suite 201  
Holiday, Florida 34690  
Ph. 727. 815. 3336  
Fax 727. 815. 3337

TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

SOUHEIL CHEHAYEB, P.E.  
FL License No. 49521

REVISED PER BUILDING PERMIT COMMENTS &amp; TENANT CORRD.

revision descriptions

date

no.

STARBUCKS  
SHELL CONSTRUCTION

BAYSIDE LAKES BLVD  
PALM BAY, FL

12.02.2022

date

22032

comm. no.

POWER RISER  
DIAGRAM

E3.0

