



JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD

890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP#38200P368999

REV 2 - PLAN REVIEW COMMENTS & RDC 21/WIRELESS UPDATES

PROJECT DIRECTORY

**OWNER**  
J.P. MORGAN CHASE  
10 S. DEARBORN ST., 15th FLOOR  
CHICAGO, IL 60603  
PHONE: 312.325.3388  
CONTACT: CHRIS FOIT  
EMAIL: christopher.m.foit@jpmchase.com

**OWNER REPRESENTATIVE**  
CORE  
PHONE: 1-816-223-9437  
CONTACT: RUSSELL PROPP  
EMAIL: russell.propp@jpmchase.com

**CHASE DESIGNER**  
J.P. MORGAN CHASE  
CONTACT: JIN BYUN  
EMAIL: jin.byun@chase.com

**PROJECT CONTACT**  
CORE STATES, INC.  
6500 CHIPPEWA ST., SUITE 200  
ST. LOUIS, MO 63109  
PHONE: 314.270.5990  
CONTACT: CASEY THEBEAU  
EMAIL: cthebeau@core-states.com

**ARCHITECT**  
CORE STATES, INC.  
6500 CHIPPEWA ST., SUITE 200  
ST. LOUIS, MO 63109  
PHONE: 314.843.4320  
CONTACT: BRUCE LASURS  
EMAIL: blasurs@core-states.com

**CIVIL ENGINEER**  
CORE STATES, INC.  
6500 CHIPPEWA ST., SUITE 200  
ST. LOUIS, MO 63109  
PHONE: 314.843.4320  
CONTACT: CHAD FAIRBANKS  
EMAIL: cfairbanks@core-states.com

**MECHANICAL ENGINEER**  
CORE STATES, INC.  
1700 INDUSTRIAL DRIVE, SUITE B  
ROGERS, AR 72756  
PHONE: 479.986.4400  
CONTACT: DAVID LEIFFER  
EMAIL: dleiffer@core-states.com

**PLUMBING ENGINEER**  
CORE STATES, INC.  
1700 INDUSTRIAL DRIVE, SUITE B  
ROGERS, AR 72756  
PHONE: 479.986.4400  
CONTACT: DAVID LEIFFER  
EMAIL: dleiffer@core-states.com

**ELECTRICAL ENGINEER**  
CORE STATES, INC.  
1700 INDUSTRIAL DRIVE, SUITE B  
ROGERS, AR 72756  
PHONE: 479.986.4400  
CONTACT: JOHN FERGUSON, P.E.  
EMAIL: jferguson@core-states.com

**STRUCTURAL ENGINEER**  
CORE STATES, INC.  
201 SOUTH MAPLE AVE, SUITE 300  
AMBLER, PA 19001  
CONTACT: DAVID BALMA  
PHONE: 215.809.2125  
EMAIL: dbalma@core-states.com

CODE INFORMATION

**JURISDICTION**  
CITY OF LEE'S SUMMIT  
DEVELOPMENT SERVICES DEPARTMENT  
220 SE GREEN STREET  
LEE'S SUMMIT, MO 64063  
(816) 969-1200

APPLICABLE CODES

BUILDING CODE: INTERNATIONAL BUILDING CODE (2018 EDITION)

MECHANICAL CODE: INTERNATIONAL MECHANICAL CODE (2018 EDITION)

PLUMBING CODE: INTERNATIONAL PLUMBING CODE (2018 EDITION)

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE (2017 EDITION)

FIRE CODE: INTERNATIONAL FIRE CODE (2018 EDITION)

ACCESSIBILITY CODE: ICC/ANSI A117.1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

ENERGY CONSERVATION CODE: INTERNATIONAL ENERGY CODE (2018 EDITION)

**SCOPE OF WORK:**  
CONSTRUCTION OF A NEW COMMERCIAL BANKING CENTER WITH REMOVE DRIVE THRU ATM CANOPY AND TRASH ENCLOSURE. THE SCOPE INCLUDES CIVIL, ARCHITECTURE, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. CIVIL SCOPE SUBMITTED UNDER SEPARATE COVER.

PROJECT DATA

USE	NEW RETAIL BANKING CENTER	
CLASSIFICATION OF WORK	NEW BUILD GROUND UP	
SQUARE FOOTAGE	3,320 CSF	
VOLUME	96,440 CSF	
OCCUPANCY CLASSIFICATION	BUSINESS GROUP B	
OCCUPANCY LOAD	SEE LIFE SAFETY PLAN	
OCCUPANCY LOAD PER CLASSIFICATION:	23 = TOTAL OCCUPANTS PER 2018 IBC	
PUBLIC FLOOR AREA / 150	3,320 SF / 150 = 23 OCCUPANTS	
CONSTRUCTION TYPE	II-B	
SEISMIC CATEGORY	B	
SPRINKLERED	NOT REQUIRED	
FIRE ALARM	NOT REQUIRED	

BUILDING HEIGHTS AND AREAS	ALLOWABLE/RECD	PROPOSED
BUILDING AREA	23,000 S.F.	3,320 SF
ALLOWABLE HEIGHTS		
STORIES	3	1
FEET	55'-0"	21'-6"

FIRE SEPARATION PER IBC 2018 CH. 6 TABLE 602		
FRONT BUILDING SETBACK (NORTH) (X > 30')	0 HRS.	0 HRS.
SIDE BUILDING SETBACK (EAST) (X > 30')	0 HRS.	0 HRS.
SIDE BUILDING SETBACK (WEST) (X > 30')	0 HRS.	0 HRS.
REAR BUILDING SETBACK (SOUTH) (X > 30')	0 HRS.	0 HRS.

EGRESS WIDTH:	SEE LIFE SAFETY PLAN SHEET A11.0	
OCCUPANTS x (0.2 - OTHER EGRESS COMPONENTS)		
23 x 0.2" = 4.6" WIDTH REQUIRED		

EXITS AND EXIT ACCESS DOORWAYS	SEE LIFE SAFETY PLAN SHEET A11.0	
EXITS (MAX OCCUPANT OF 49 FOR 1 EXIT)		
DOOR WIDTH		
COMMON PATH OF TRAVEL (30', 75' IF OCC. LOAD < 50)		
EXIT ACCESS TRAVEL DISTANCE		
DEAD END CORRIDORS		

PLUMBING FIXTURES	= 23 TOTAL OCCUPANTS PER 2018 IBC	
OCCUPANT LOAD		
PER 2018 IPC CODE 403.2		
SEPARATE FACILITIES SHALL BE PROVIDED FOR EACH SEX.		

FIXTURES (PER 2018 IPC CH. 4 TABLE 403.1)		
WATER CLOSETS - 1 PER 25 FOR FIRST 50	1/1	1/1
LAVATORIES - 1 PER 40 FOR FIRST 80	1/1	1/1
DRINKING FOUNTAIN (1 PER 100)	1	1 HIGH / 1 LOW
SERVICE SINK (1 PER FLOOR)	1	1

FIRE-RESISTANCE RATING REQUIREMENTS

PER 2018 IBC TABLE 601 - CONSTRUCTION TYPE II-B

REQUIRED PRIMARY STRUCTURAL FRAME 0 HR

REQUIRED BEARING WALLS EXTERIOR / INTERIOR 0 HR

REQUIRED NONBEARING WALLS EXTERIOR / INTERIOR 0 HR

REQUIRED FLOOR CONSTRUCTION 0 HR

REQUIRED ROOF CONSTRUCTION 0 HR

FLAME SPREAD DATA

CERAMIC TILE: IBC REQUIRED MINIMUM PROVIDED	N/A	CARPET TILE: IBC REQUIRED MINIMUM PROVIDED	CLASS II CLASS II
SUSPENDED ACOUSTICAL CEILINGS: IBC REQUIRED MINIMUM PROVIDED	CLASS B CLASS A	PAINTS AND COATING: IBC REQUIRED MINIMUM PROVIDED	CLASS B CLASS A
RESILIENT FLOORING: IBC REQUIRED MINIMUM PROVIDED	CLASS II CLASS I		

SEPARATE SUBMITTALS

GC SHALL OBTAIN PERMITS LISTED BELOW PRIOR TO INSTALLATION PER LOCAL JURISDICTION REQUIREMENTS.

- SIGNAGE PACKAGE
- SECURITY ALARM

PROJECT SPECIFIC ITEMS

SECURITY ENHANCEMENTS:	NO BRG, SECURITY FILMS, ANTI-GRAFFITI FILMS
DATE OF DRC ISSUED:	09/30/2020
INCLUDES RETAIL DESIGN COMMUNICATION UP TO:	20.2
REMOTE DRIVE-UP ATM:	SIGNATURE CANOPY

SHEET INDEX

W/ REVISION  
W/O REVISION  
NOT ISSUED

ARCHITECTURAL

A0.1	COVER SHEET	
A0.2	GENERAL NOTES, RESPONSIBILITY SCHEDULE, DRAWING CONVENTIONS, AND ABBREVIATIONS	
A0.3	ANSI ACCESSIBILITY DETAILS	
A0.4	UL LISTING	
A0.5	ARCHITECTURAL SITE PLAN	
A0.6	TRASH ENCLOSURE DETAILS	
A0.7	DRIVE-UP ISLAND & REMOTE GC BUILT CANOPY DETAILS	
A1.1.0	LIFE SAFETY AND ACCESSIBILITY PLAN	
A1.1.1	CONSTRUCTION FLOOR PLAN	
A1.1.3	FINISH FLOOR PLAN	
A1.1.4	FURNITURE AND EQUIPMENT PLAN	
A1.2.1	REFLECTED CEILING PLAN	
A1.3.1	ROOF PLAN	
A1.4.1	NOT USED	
A2.1.0	EXTERIOR ELEVATIONS	
A2.2.0	EXTERIOR ELEVATIONS	
A3.1.0	WALL TYPES, FLOOR TYPES, ROOF TYPES	
A3.2.1	DOOR TYPES SCHEDULE, DOOR TYPES, WINDOW TYPES	
A3.2.2	DOOR HARDWARE SCHEDULE	
A3.3.1	INTERIOR FINISH SCHEDULE, FLOOR TRANSITION TYPES AND FINISHES SCHEDULE, VENDOR CONTACTS	
A3.3.2	INTERIOR FINISH MATERIAL, REGIONAL WINDOW SHADE FABRICS	
A3.4.1	FURNITURE SCHEDULE, AUDIO / VIDEO EQUIPMENT SCHEDULE	
A3.4.2	BANK EQUIPMENT SCHEDULE	
A3.4.3	OFFICE EQUIPMENT BY PROGRAMMATIC ELEMENT, OFFICE EQUIPMENT SCHEDULE, MISCELLANEOUS EQUIPMENT SCHEDULE	
A3.4.5	AUDIO / VIDEO FINISHED OPENINGS	
A3.5.0	APPLANCE SCHEDULE, RESTROOM ACCESSORIES, ELECTRICAL DEVICES FINISHES	
A4.0.0	BUILDING SECTIONS	
A4.1.1	WALL SECTIONS: LOW PARAPET TYPICAL, STOREFRONT OPENINGS	
A4.1.2	WALL SECTIONS: CURTAIN WALL, ACM PANEL, AND HIGH PARAPET	
A4.1.3	WALL SECTIONS: TOWER PARAPET - ENTRY CANOPY	
A5.1.1	DETAILS: BUILDING ENVELOPE	
A5.1.2	DETAILS: BUILDING ENVELOPE	
A5.1.3	DETAILS: ENTRANCE CANOPIES AND SUNSHADE	
A5.1.5	DETAILS: EXTERIOR CORNERS AND STOREFRONT MULLION	
A5.2.1	DETAILS: WALL OPENINGS	
A5.2.2	INTERIOR THROUGH-WALL, WALK-UP ATM AND AFTER-HOURS DEPOSITORY	
A5.3.1	DETAILS: ROOF	
A5.3.2	INTERIOR DETAILS: OVERHEAD COILING DOORS	
A5.3.3	INTERIOR DETAILS: DEMOUNTABLE PARTITIONS, CEILING TRANSITIONS	
A5.4.1	DETAILS: EXTERIOR ENVELOPE, ROOF SCUTLE, AND LADDERS	
A5.5.2	DETAILS: ATM	
A5.5.4	DETAILS: CEILING, SEISMIC DESIGN 'B'	
A5.5.5	DETAILS: CEILING	
A5.6.1	DETAILS: CABINETRY	
A6.00	MAIN BANKING FLOOR: INTERIOR ELEVATIONS AND MARKETING POSITIONING DETAILS	
A6.01	TRANSACTION VESTIBULE: INTERIOR ELEVATIONS	
A6.02	CASH / TRANSACTION EQUIP ROOM & LAO AREA: ENLARGED PLANS AND INTERIOR ELEVATIONS	
A6.03	MEDIA WALL - ENLARGED PLAN, ELEVATIONS, & DETAILS	
A6.04	COMMUNITY WALL AND BOOTH: ENLARGED PLANS, ELEVATIONS, AND DETAILS	
A6.05	PRIVATE CONSULTATION SPACE - CONFERENCE ROOM: INTERIOR ELEVATIONS	
A6.07	RESTROOMS AND JANITOR: ENLARGED PLANS AND INTERIOR ELEVATIONS	
A6.08	LOUNGE, FILE, AND PRINTER ROOM: ENLARGED PLAN AND INTERIOR ELEVATIONS	
A6.10	MANUAL TRANSACTION: ENLARGED PLAN, INTERIOR ELEVATIONS, AND DETAILS	

STRUCTURAL

S0.0	GENERAL STRUCTURAL NOTES	
S0.1	STRUCTURAL SPECIAL INSPECTIONS	
S0.2	STRUCTURAL SPECIAL INSPECTIONS II	
S1.0	FOUNDATION PLAN	
S2.0	WALL & LOW FRAMING PLAN	
S3.0	ROOF FRAMING PLAN	
S4.0	FOUNDATION SECTIONS	
S4.1	TYPICAL FOUNDATION DETAILS	
S4.2	TYPICAL FOUNDATION DETAILS II	
S5.0	ROOF FRAMING SECTIONS	
S5.1	ROOF FRAMING SECTIONS II	
S6.0	STEEL FRAME ELEVATIONS	
S6.1	CONNECTION DETAILS	
S6.2	STEEL CONNECTION DETAILS AND SECTIONS	
S6.3	TYPICAL STEEL DETAILS	
S6.4	TYPICAL LIGHT GAGE DETAILS	
S7.0	CANOPY FOUNDATION PLAN & DETAILS	
S8.0	TRASH ENCLOSURE DETAILS	

MECHANICAL

M0.0	MECHANICAL LEGENDS & GENERAL NOTES	
M1.0	MECHANICAL FLOOR PLAN	
M1.1	MECHANICAL ROOF PLAN	
M2.0	MECHANICAL SCHEDULES	
M3.0	MECHANICAL DETAILS	

PLUMBING

P0.0	PLUMBING ABBREVIATION, LEGENDS & NOTES	
P1.0	PLUMBING SANITARY, STORM & VENT PLAN	
P1.1	PLUMBING DOMESTIC WATER PLAN	
P2.0	PLUMBING ROOF PLAN	
P3.0	PLUMBING DETAILS	
P4.0	PLUMBING RISER DIAGRAMS	

ELECTRICAL

E0.0	LEGEND, ABBREVIATIONS AND NOTES	
E0.1	BUILDING MANAGEMENT SYSTEM DETAILS	
E0.2	BMS DEVICE WIRING DIAGRAMS	
E0.3	LIGHTING SCHEDULE AND ELECTRICAL DEVICES	
E1.0	ELECTRICAL SITE PLAN	
E1.1	DRIVE-THRU PLANS	
E2.0	LIGHTING PLAN	
E3.0	POWER PLAN	
E3.1	ROOF POWER PLAN	
E4.0	SYSTEMS PLAN	
E5.0	UNDERGROUND CONDUIT PLAN	
E6.0	ENLARGED PLAN AND ELEVATIONS	
E7.0	POWER DETAILS AND SCHEDULES	

TELECOMM (FOR REFERENCE ONLY)

(TC-0000-TC-001) TELECOM PACKAGE (SHEETS 1-17) FOR REFERENCE ONLY PERMITTED BY OTHERS

PRCOM2021224

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

CHASE  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP#38200P368999

CORE STATES  
GROUP  
4000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

PROJECT INFORMATION

PROJECT NO: JPM.27135.001  
DATE: 2020.12.21  
PROTOTYPE: 20.2  
DRAWN BY: C.THEBEAU  
CHECKED BY: B.LASURS  
VERSION: SE\_1.00

SHEET TITLE

COVER SHEET

SHEET NUMBER

A0.1



## SYMBOLS LEGEND

ELEVATION/LEVEL INDICATOR	
COLUMN GRID	
ELEVATION, DETAIL CALLOUT	
PLAN DETAIL, ELEVATION CALLOUT	
SECTION, ELEVATION, & DETAILS	
WALL TAGS, PARTITION TYPES	
EQUIPMENT TAG	
FINISH TAGS	
WINDOW TAGS	
DOOR TAGS, DETAIL CALLOUTS	
KEYNOTE	
ROOM NAMES	
REVISION DELTA	
CENTER LINE	
STEP IN SURFACE	
FLUSH SURFACE	

## MATERIALS LEGEND

	GENERIC MATERIAL		STEEL & OTHER METALS
	GYPSUM BOARD, SAND, & GENERAL TEXTURE		WOOD FRAMING, CONTINUOUS
	CONCRETE, STONE		WOOD BLOCKING, SHIM
	GROUT		PLYWOOD
	BRICK, COMMON		FINISH LUMBER
	CMU, PLAN		WOOD FLOORING
	EARTH, GRAVEL		SEALANT, BACKER
	EARTH, UNDISTURBED		INSULATION, BATT
	EARTH, COMPACT FILL		RIGID INSULATION, EXTERIOR INSULATION FINISHING SYSTEM (EIFS)

## ABBREVIATIONS LIST

GENERAL ABBREVIATIONS			
A	ANNEALED	INSUL	INSULATION
AC	AIR CONDITIONING	JAN.	JANITOR, JANITOR'S CLOSET
ACM	ALUMINUM COMPOSITE MATERIAL	MAX	MAXIMUM
ACT	ACOUSTIC CEILING TILE	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AL	ALUMINUM	MO	MASONRY OPENING
ASPH	ASPHALT	MR	MOISTURE RESISTANT
BMS	BUILDING ENERGY MANAGEMENT SYSTEM	MTL	METAL
CJ	CONTROL JOINT	NA	NOT APPLICABLE
CLNG	CEILING	NIC	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE		
CONT	CONTINUOUS	OC	ON CENTER
CPT	CARPET	OPP	OPPOSITE
CT	CERAMIC TILE		
CL	CENTERLINE	PF	PRE-FABRICATED
DBL	DOUBLE	PSF	POUNDS PER SQUARE FOOT
DF	DRINKING FOUNTAIN	PT	PRESSURE TREATED
DIA	DIAMETER	PTD	PAINTED
DM	DIMENSION	QT	QUARRY TILE
DN	DOWN		
DS	DOWNSPOUT	R	RADIUS
		REBAR	REINFORCING BAR
EA	EACH	REF	REFERENCE
EJ	EXPANSION JOINT	REQD.	REQUIRED
ELEC	ELECTRICAL	RO	ROUGH OPENING
ELEV	ELEVATION		
EQL	EQUAL	SB	SPLASHBOCK
EXIST	EXISTING	SB	SIMILAR
		SPEC	SPECIFICATION
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FE	FIRE EXTINGUISHER	STL	STEEL
FEC	FIRE EXTINGUISHER CABINET	STOR	STORAGE
FF	FINISH FLOOR	SUSP	SUSPENDED
FR	FIRE RATED		
FRP	FIBERGLASS REINFORCED PLASTIC	T	TEMPERED
		TYP	TYPICAL
GALV	GALVANIZED		
GYP BD	GYPSUM BOARD	UNO	UNLESS NOTED OTHERWISE
HC	HANDICAP	VCT	VINYL COMPOSITION TILE
H.D. GALV.	HOT-DIP GALVANIZED (STEEL)	VERT	VERTICAL
HDW	HARDWARE		
HM	HOLLOW METAL	WD	WOOD
HT	HEIGHT	WP	WATERPROOF
HVAC	HEATING, VENTILATION, AIR CONDITIONING	WWF	WELDED WIRE FABRIC

## CHASE ABBREVIATIONS

ABCM	ASSISTANT BANKING CENTER MANAGER	IWS	INDIVIDUAL WORK SPACE
AHD	AFTER-HOUR DEPOSITORY	LTOs	LEAD TELLER OPERATIONS SPECIALIST
ATM, eATM	AUTOMATIC TELLER MACHINE	MFD	MULTI-FUNCTIONAL DEVICE
BCM	BANKING CENTER MANAGER		
BGM	BULLET-RESISTANT GLASS	PB	PERSONAL BANKER
		PCA	PRIVATE CLIENT ADVISOR
CMS	CASUAL MEETING SPACE	PCB	PRIVATE CLIENT BANKER
CPC	CHASE PRIVATE CLIENT	PCIA	PRIVATE CLIENT INVESTMENT ADVISOR
CR	CASH RECYCLER	PCS	PRIVATE CONSULTATION SPACE
		PTB	POWER TRANSITION BOX
DAB	DIGITAL ADVICE BAR		
DRC	DESIGN REVIEW CALL	SDB	SAFE DEPOSIT BOX
DU, DUJ	DRIVE-UP		
		TP	TELEPRESENCE
EBDU	EXPRESS BANKING DRIVE-UP	VAT	VACUUM AIR TUBE
HUB	HOLD-UP BUTTON		

## GENERAL NOTES

CONSTRUCTION DOCUMENTS			
1.	THE CONSTRUCTION CONTRACT INCLUDES THE EXECUTED, SIGNED AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR, AND THE CONSTRUCTION DOCUMENTS, WHICH INCLUDES SPECIFICATIONS AND THE SPECIFICATIONS.		
2.	BY EXECUTION OF THE CONSTRUCTION CONTRACT, THE CONTRACTOR REPRESENTS THAT HE OR SHE HAS (1) READ AND UNDERSTANDS THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, (2) VISITED THE PROJECT-SITE, (3) BECOME FAMILIAR WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED, (4) CORRELATED PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, AND (5) THAT HE OR SHE WILL COMPLY WITH ALL REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.		
3.	THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE CONSTRUCTION WORK - AND TO PROVIDE (FURNISH AND INSTALL) ALL PRODUCTS, MATERIALS, EQUIPMENT OR ACCESSORIES REQUIRED FOR PROPER OPERATION, IN ACCORDANCE WITH THEIR MANUFACTURERS REQUIREMENTS.		
4.	THE CONTRACT DOCUMENTS ARE COMPLEMENTARY - WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL, WHILE PREPARED WITH DUE CARE AND DILIGENCE, PERFECTION IS NOT POSSIBLE. DESIGN AND CONSTRUCTION ARE COMPLEX - EVERY POSSIBLE CONDITION OR CONTINGENCY CANNOT BE ANTICIPATED OR FULLY INDICATED WITHIN THE DOCUMENTS.		
5.	CAREFULLY STUDY AND COMPARE THE VARIOUS DRAWINGS (INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL OR ELECTRICAL) AND OTHER CONTRACT DOCUMENTS WITH THE EXISTING CONDITIONS AT THE PROJECT-SITE BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, PLUMBING OR ELECTRICAL WORK. DISCOVERED FOR CLARIFICATION, THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR CORRECTION COSTS IF WORK IS EXECUTED WITH KNOWLEDGE THAT IT INVOLVES AN ERROR, INCONSISTENCY OR OMISSION - WITHOUT THE ABOVE NOTICE.		
6.	IN THE EVENT OF CONFLICT OR AMBIGUITY WITHIN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE AGREED TO PROVIDE THE GREATER QUANTITY AND / OR BETTER QUALITY OF MATERIALS AND / OR WORK, OMISSIONS IN THE DESCRIPTION OF THE WORK DO NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT.		
7.	THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE CONDITIONS AND REQUIREMENTS OF THE DRAWINGS AND ACCORDING SPECIFICATIONS, INCLUDING OTHER PARTS OF THE PROPOSED CONTRACT DOCUMENTS, AND FULLY UNDERSTAND THE CONDITIONS, DIFFICULTIES AND RESTRICTIONS COMPLETELY, BEFORE EXECUTING THE WORK. IT IS UNDERSTOOD THAT OMISSIONS FROM THE BID, DUE TO FAILURE OF THE CONTRACTOR TO FULLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DOCUMENTS, WILL NOT ENTITLE HIM TO ADDITIONAL CONSIDERATION AND / OR COMPENSATION. G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE PRIOR TO COMMENCING THE WORK.		
8.	THE CONTRACTOR SHALL FIND DISCREPANCIES IN, OR OMISSIONS FROM THE CONSTRUCTION DOCUMENTS, OR BE IN DOUBT AS TO THE MEANING AND INTENTION OF ANY ITEMS OR REQUIREMENTS, THEY SHALL NOTIFY THE ARCHITECT IMMEDIATELY.		
9.	ALL WORK PERFORMED SHALL COMPLY WITH THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, INCLUDING THESE GENERAL NOTES. THE G.C. SHALL COORDINATE THE INTENT OF THE GENERAL NOTES WITH ALL THE TRADES.		
10.	NO DEVIATION FROM CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.		
11.	ANY STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF REQUIRED) ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, PLUMBING OR ELECTRICAL WORK. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEERS' DRAWINGS THAT WOULD CAUSE AN IMPROPER INSTALLATION, IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT.		
12.	ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.		
13.	WHERE A TYPICAL CONDITION IS DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.		
14.	THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTHS OF ALL UTILITIES AT THE SITE. PROTECT THEM FROM DAMAGE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT OF RECORD FOR RESOLUTION PRIOR TO THE COMMENCEMENT OF WORK.		
15.	THE CONTRACTOR IS TO PROVIDE TEMPORARY FACILITIES AS REQUIRED BY APPLICABLE CODE, LOCAL AUTHORITIES OR JURISDICTIONAL ORDINANCE.		
16.	PRIOR TO COMMENCING THE WORK, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD, COMPARE THOSE MEASUREMENTS TO THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT OF RECORD. DRAWINGS SHALL NOT BE SCALED OFF FOR MEASUREMENT.		
17.	THE CONTRACTOR SHALL PROVIDE ALL SHORING, BARRICADEING AND BRACING NECESSARY TO ENSURE THE STRUCTURAL STABILITY OF THE BUILDING AND THE HEALTH OF THE PUBLIC AND ALL WHO ENTER THE BUILDING DURING COMPLETION OF THE SCOPE OF WORK DEFINED BY THIS ARCHITECTURAL DOCUMENTATION SET.		
18.	ALL WORK SHALL COMPLY WITH LOCAL BUILDING AUTHORITIES, CODES, REGULATIONS, ORDINANCES AND STATUTES, STATE, FEDERAL, CODE AND OTHER JURISDICTIONAL AUTHORITIES, AND LATEST REVISIONS THEREOF. MODIFICATIONS REQUIRED BY THE ABOVE AND AUTHORITY SHALL BE MADE WITHOUT ADDITIONAL CHARGE TO THE OWNER.		
19.	ALL EMERGENCY BUILDING EXITS REQUIRED BY CODE, SHALL BE OPERABLE AND UNOBSTRUCTED DURING CONSTRUCTION PERIOD.		
20.	FIRE EXTINGUISHER CABINETS TO BE FURNISHED AND INSTALLED BY THE G.C. ARE TO BE IN COMPLIANCE WITH CITY AND APPLICABLE FIRE CODES.		
21.	BOTH PLACEMENT AND QUANTITY OF FIRE EXTINGUISHERS TO BE DETERMINED BY THE FIRE MARSHALL AND COMPLY WITH ALL N.F.P.A. REQUIREMENTS. G.C. TO COORDINATE INSTALLATION.		
22.	THE CONTRACTOR SHALL REVIEW THE LOCATIONS OF ALL FIRE LIFE SAFETY DEVICES WITH THE FIRE INSPECTOR AND THE OWNER REPRESENTATIVE FOR ON-SITE APPROVAL PRIOR TO INSTALLATION.		
23.	INTERIOR FINISHES SHALL COMPLY WITH LOCAL CODES.		
24.	THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACKING, HANGERS, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, FIXTURES AND PARTITIONS AND ALL WALL MOUNTED OR SUSPENDED PLUMBING, MECHANICAL, ELECTRICAL, OR MISCELLANEOUS EQUIPMENT AND FURNISHINGS.		
25.	INTERIOR WALL AND CEILING FINISH FLAME-SPREAD RATINGS SHALL BE AS REQUIRED BY LOCAL CODES.		
26.	PENETRATIONS IN WALLS, FLOORS OR ROOF REQUIRED PROTECTED OPENINGS SHALL BE FIRE-STOPPED IN ACCORDANCE WITH LOCAL CODES.		
27.	ALL WIRING WITHIN CONCEALED SPACES SHALL COMPLY WITH LOCAL CODES.		
28.	ALL DOOR SIZES SHOWN ARE OPENING SIZES. ALLOWANCE FOR THRESHOLDS (1/2" MIN.) ETC. SHALL BE DEDUCTED. FRAMES SHALL BE REINFORCED WHERE REQUIRED FOR CLOSURES, STOPS AND HARDWARE.		
29.	ALL DISCIPLINES REQUIRED TO PROVIDE SHOP DRAWINGS AND OR SAMPLES OF FINISHES, TO SUBMIT TO THE CONTRACTOR PRIOR TO START, WHO WILL FORWARD TO ARCHITECT AND OWNER FOR COMMENTS, FOR APPROVAL OR RE-SUBMITTAL.		
30.	THE SECURITY SYSTEMS ARE TO BE PROVIDED AND INSTALLED BY OTHERS. G.C. SHALL BE RESPONSIBLE FOR COORDINATION WITH OWNERS SECURITY SYSTEMS CONTRACTOR.		
31.	GC TO REPLACE WORK OR PORTIONS OF THE WORK, NOT CONFORMING TO SPECIFIED REQUIREMENTS IN THE OPINION OF OWNER AND OR ARCHITECT.		
32.	ALL ITEMS TO BE SUPPLIED AND INSTALLED (TO A FULLY FINISHED LEVEL) BY G.C. - G.C. TO PROVIDE POWER AS REQUIRED.		
33.	DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE DAILY CLEANUP OF THE JOBSITE AND ITS SURROUNDING AREA AND REMOVE ALL CONSTRUCTION DEBRIS FOR DISPOSAL.		
34.	THE G.C. SHALL COORDINATE PARKING, MATERIAL DELIVERY, MATERIAL STAGING AND CONSTRUCTION DUMPSTER LOCATIONS W/ OWNER AND/OR OWNERS' TENANT PRIOR TO BEGINNING CONSTRUCTION. MAINTAIN ALL PEDESTRIAN WALKWAYS OPEN DURING CONSTRUCTION WHEN PROJECT IS LOCATED WITHIN AN EXISTING OCCUPIED DEVELOPMENT. COORDINATE ALL SHARED UTILITIES, FIRE SPRINKLER SYSTEM SHUT OFFS, ETC. W/ OWNER AND/OR OWNERS' TENANT PRIOR TO BEGINNING OF THE WORK.		
GENERAL SCOPE OF WORK			
35.	PERFORM ALL CONSTRUCTION WORK INDICATED OR OTHERWISE REQUIRED FOR COMPLETION OF THE PROJECT - EXCEPT AS NOTED OTHERWISE.		
36.	SCHEDULE AND COORDINATE THE WORK OF THE COMPLETE PROJECT TO ASSURE AN EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF ALL ELEMENTS - WITH PROVISIONS FOR ACCOMMODATING ITEMS TO BE INSTALLED LATER.		
37.	THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.		
38.	PROVIDE ALL REQUIRED NOTICES FOR INSPECTIONS AND APPROVALS OF THE WORK BY THE AUTHORITY HAVING JURISDICTION (AHJ), THE MOST RESTRICTIVE CODE REQUIREMENTS AS INTERPRETED BY LOCAL OFFICIALS WILL APPLY.		
39.	VERIFY LOCATIONS OF EXISTING UTILITY SERVICE CONNECTIONS SERVING THE PROJECT BEFORE STARTING CONSTRUCTION. LOCATIONS OF EXISTING UTILITIES NOTED ARE APPROXIMATE, AND MAY BE BASED ON UNVERIFIED INFORMATION. PROVIDE ALL CONNECTIONS REQUIRED AT UTILITY CONNECTION POINTS AT NO ADDITIONAL COST TO THE OWNER.		
40.	PROVIDE SUBCONTRACTORS WITH A FULL SET OF THE CONSTRUCTION DOCUMENTS TO ENSURE COORDINATION BETWEEN ALL TRADES AND EACH SUBCONTRACTOR.		
41.	ALL CONSTRUCTION WORK MUST BE OF GOOD QUALITY - FREE FROM DEFECTS AND IN ACCORDANCE WITH REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS - OR THE WORK MAY BE CONSIDERED DEFECTIVE - AND SUBJECT TO CORRECTION OR REPLACEMENT BY THE CONTRACTOR WITHIN A PERIOD OF ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION.		
COORDINATION WITH SEPARATE CONTRACTORS			
42.	COORDINATE WITH THE OWNER'S SEPARATE CONTRACTORS OR SUPPLIERS FOR WORK INDICATED AS BEING OWNER-FURNISHED & CONTRACTOR INSTALLED (OFO), OR NOT-IN-CONTRACT (NIC), PROVIDE SCHEDULED DATES WHEN THE PROJECT WILL BE READY FOR DELIVERY OR INSTALLATION OF OWNER-FURNISHED PRODUCTS, AS APPLICABLE.		
43.	COORDINATE THE WORK OF THIS PROJECT WITH OTHER CONTRACTORS AT SEPARATE CONSTRUCTION PROJECTS WITHIN THE SAME DEVELOPMENT, SO THAT THIS WORK WILL NOT INTERFERE WITH OR DELAY THEIR OPERATIONS.		
44.	COORDINATE, RECEIVE AT SITE, VERIFY RECEIPT, HANDLE, STORE ON-SITE (IF REQUIRED), PROTECT AND INSTALL OWNER-FURNISHED PRODUCTS, AND PROVIDE SERVICE CONNECTIONS AS APPLICABLE.		
45.	NOTIFY THE OWNER WITHIN FIVE (5) DAYS OF RECEIPT OF ANY ITEMS THAT ARE MISSING, DAMAGED OR OTHERWISE DEFECTIVE. LACK OF NOTIFICATION WILL BE CONSIDERED PRESUMPTIVE PROOF THAT ALL ITEMS DID ARRIVE UNDAMAGED AND IN PROPER QUANTITIES, AND ANY REPLACEMENT OR REPAIRS NECESSARY WILL THEN BE THE RESPONSIBILITY OF THE CONTRACTOR.		
46.	REPAIR DAMAGE TO OWNER-FURNISHED PRODUCTS CAUSED BY CONSTRUCTION OPERATIONS TO THE OWNERS SATISFACTION.		
COORDINATION WITH OWNER			
47.	OBTAIN AND COMPLY WITH THE OWNER'S CONSTRUCTION RULES & REGULATIONS WHICH ARE CONSIDERED PART OF THE CONSTRUCTION DOCUMENTS BY REFERENCE. COMPLY WITH OWNER'S APPROVED DRAWINGS OF THIS PROJECT, IF APPLICABLE. MAINTAIN PRINTED COPIES AT THE SITE AND ACKNOWLEDGE RECEIPT TO THE OWNER.		
48.	PARTICIPATE IN A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE AND PROVIDE THEM SUFFICIENT NOTICE BEFORE STARTING WORK.		
GENERAL DEMOLITION			
49.	DEMOLITION CONTRACTOR TO COORDINATE & REVIEW ALL CONSTRUCTION DOCUMENTS & DETERMINE THE EXTENT OF DEMOLITION WORK & BECOME FAMILIAR WITH THEM THOROUGHLY BEFORE PERFORMING ANY DEMOLITION WORK. BY THE ACT OF STARTING DEMOLITION, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE THE NECESSARY ALLOWANCES IN PREPARING HIS BID.		
50.	REFER TO MECHANICAL, ELECTRICAL, & PLUMBING DRAWINGS FOR ADDITIONAL & DETAILED DEMOLITION INSTRUCTIONS.		

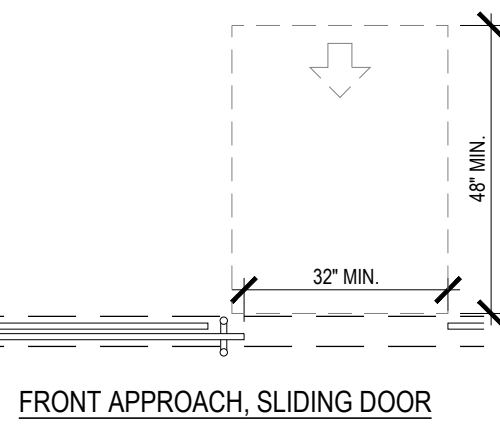
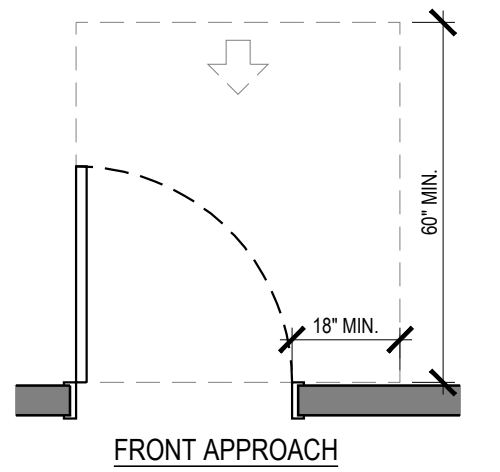
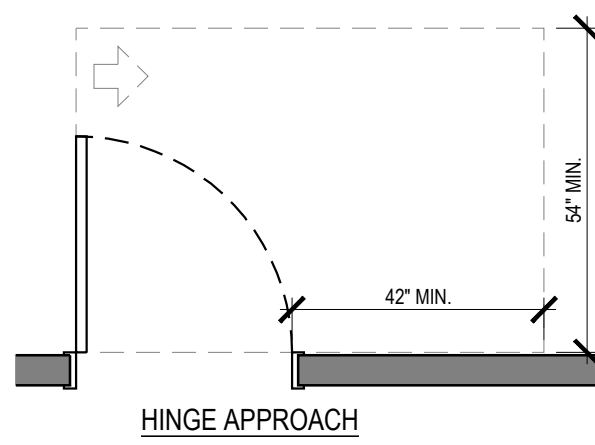
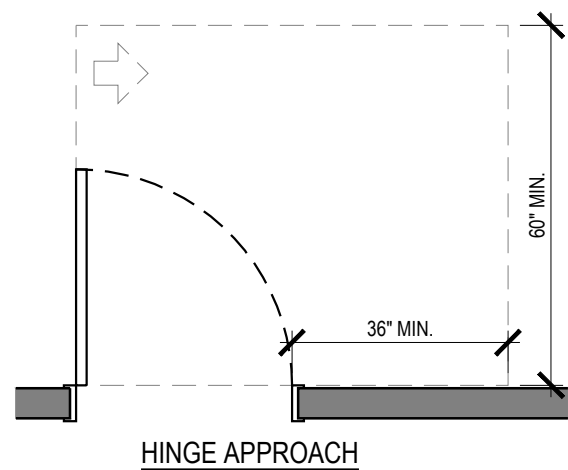
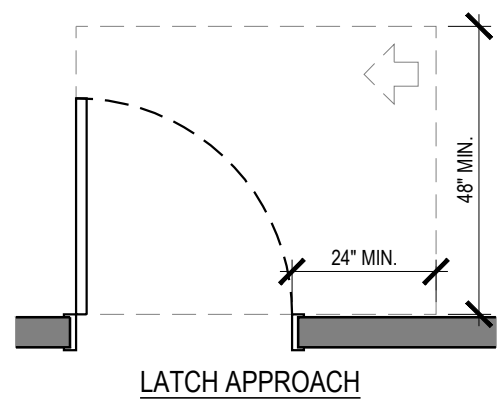
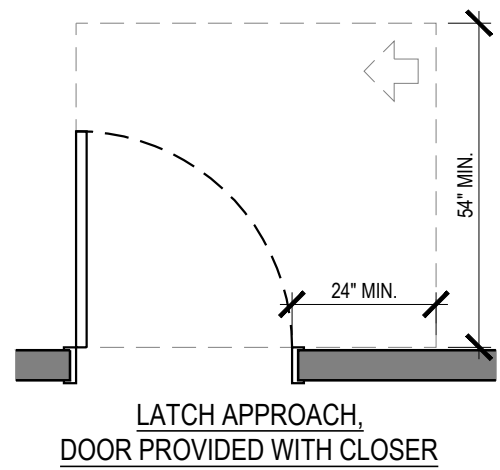
51.	PROTECT FROM DAMAGE DURING CONSTRUCTION ALL EXISTING WALLS, FLOORS, CEILINGS, ETC. THAT ARE TO REMAIN. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTIONS OF THE EXISTING BUILDING AS REQUIRED TO MATCH THE EXISTING ADJACENT CONSTRUCTION & FINISHES.
52.	IF CONTRACTOR ENCOUNTERS ANY HAZARDOUS MATERIALS DURING DEMOLITION OR CONSTRUCTION, HE SHALL IMMEDIATELY SUSPEND WORK & NOTIFY THE AREA CONSTRUCTION MANAGER BEFORE PROCEEDING.
53.	ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER & IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
54.	THE SUB-CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO THE DEMOLITION AND REMOVAL OF ANY WALLS, COUNTERS, FURNITURE, BULKHEADS, DOORS, PLUMBING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB.
55.	WHEN UTILITIES ARE REMOVED, CAP & SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 8" ABOVE FINISH CEILING.
TEMPORARY FACILITIES, UTILITIES & CONTROLS	
56.	PROVIDE BARRIERS, FENCES AND OTHER CONTROLS TO PREVENT PUBLIC ENTRY TO CONSTRUCTION AREAS, AND TO PROTECT CONSTRUCTION WORKERS AND THE PUBLIC FROM HAZARDS OF CONSTRUCTION.
57.	PROVIDE PROTECTION OF CONSTRUCTION MATERIALS FROM LOSS, DAMAGE, FIRE OR THEFT, AND PROTECT EXISTING CONSTRUCTION FROM DAMAGE BY CONSTRUCTION OPERATIONS.
58.	PROVIDE TEMPORARY FIRE-PREVENTION MEASURES AND PROCEDURES INCLUDING FIRE-EXTINGUISHERS PER AHJ REQUIREMENTS.
59.	PROVIDE DUMPSTERS AND COLLECT WASTE DAILY. DISPOSE OF MATERIAL IN A LAWFUL MANNER. PLACE DUMPSTER IN LOCATION APPROVED BY OWNER OR LANDLORD, AS APPLICABLE.
GENERAL PRODUCT REQUIREMENTS	
60.	STORE PRODUCTS PER MANUFACTURERS' INSTRUCTIONS, PROTECTED FROM DAMAGE OR ABUSE, AND WITH VENTILATION TO AVOID CONDENSATION.
61.	APPLICATION OF A WATERPROOFING OR EQUIPMENT ITEM TO WORK INSTALLED BY OTHERS CONSTITUTES ACCEPTANCE OF THAT WORK AND ASSUMPTION OF RESPONSIBILITY FOR SATISFACTORY INSTALLATION AND PERFORMANCE.
62.	INSPECT EACH ITEM OF MATERIAL OR EQUIPMENT IMMEDIATELY PRIOR TO INSTALLATION. REJECT DAMAGED AND DEFECTIVE ITEMS.
COORDINATION WITH FIXTURES, FURNISHINGS & EQUIPMENT (FF&E)	
63.	REVIEW THE OWNER'S SEPARATE CASEWORK/FIXTURES, FURNISHINGS, EQUIPMENT, & SIGNAGE DRAWINGS FOR UNIT SIZES, WEIGHTS, SERVICE CONNECTIONS AND CLEARANCES REQUIRED - WHETHER FURNISHED OR INSTALLED BY THE CONTRACTOR OR OTHERS. VERIFY THAT REQUIRED ROUGHINGS, CONNECTIONS AND CLEARANCES WILL BE PROVIDED. PROVIDE OPENINGS AND DELIVERY ACCESS FOR FF&E ITEMS, AND PROVIDE STAGING SPACE FOR THEIR INSTALLATION. REPORT DISCREPANCIES OR OMISSIONS OF EQUIPMENT REQUIREMENTS PRIOR TO INSTALLATION.
64.	PROVIDE ALL HVAC, PLUMBING, GAS OR ELECTRIC SERVICE CONNECTIONS TO CASEWORK/FIXTURES, SIGNAGE, OR EQUIPMENT INDICATED (WHETHER UNITS ARE INSTALLED BY CONTRACTOR OR BY OTHERS).
65.	VERIFY DISPOSITION OF ALL FURNISHINGS, MILLWORK, LIGHTING FIXTURES, ETC. TO BE REMOVED W/ OWNER. ALL ITEMS TO BE DISPOSED SHALL BE DISPOSED OF OFF-SITE AND IN AN EXPEDITIOUS MANNER.
GENERAL EXECUTION OF THE WORK	
66.	ESTABLISH AND MAINTAIN DURABLE MARKERS TO LOCATE ALL ELEMENTS OF THE WORK, INCLUDING BUT NOT LIMITED TO PARTITIONS, CASEWORK, FIXTURES, EQUIPMENT AND LIGHT-FIXTURES, AND THEIR RELATED MECHANICAL, ELECTRICAL, AND PLUMBING CONNECTIONS.
67.	AT PROJECTIONS OF FINISHED SURFACES, INCLUDING PLASTERS OR THICKENED WALLS, RETURN ALL EXPOSED SURFACE FINISHES BACK TO THE PRIMARY SURFACE EVEN IF NOT SPECIFICALLY NOTED.
68.	PERFORM ALL CUTTING, PATCHING AND FITTING TO ACCOMMODATE CONSTRUCTION WORK AND TO ACHIEVE THE INTENT OF THE CONSTRUCTION DOCUMENTS. CUT & PATCH PARTITIONS FOR INSTALLATION OF PLUMBING OR ELECTRICAL SERVICES AND FOR INSTALLATION OF WALL BLOCKING, IF NECESSARY. PROVIDE ECOLUTECHEONS, GROMMETS AND SIMILAR SURFACE CLOSURE OR FINISHED TRIMS AT EXPOSED PENETRATIONS OF FINISHED SURFACES.
69.	BRACE PARTITIONS, SUSPEND CEILINGS OR SOFFITS, AND BRACE PLATFORMS, SUSPENDED ITEMS OR SIMILAR CONSTRUCTION ONLY TO STRUCTURAL ELEMENTS ABOVE - EVEN IF NOT SPECIFICALLY NOTED. DO NOT ANCHOR TO ROOF DECK, PLUMBING / SPRINKLER PIPES, DUCTWORK, ELECTRICAL CONDUIT OR SIMILAR ELEMENTS.
FINAL CLEANING	
70.	JUST BEFORE OWNER OCCUPANCY, CLEAN ALL SURFACES INCLUDING FIXTURES AND EQUIPMENT FOR THE OWNER'S USE AND OPERATION. POLISH GLASS AND PLUMBING FIXTURES TO BE WITHOUT NOTICEABLE STREAKS. VACUUM CLEAN FLOORS AND DAMP WIPER WALLS, FIXTURES AND EQUIPMENT TO BE DUST-FREE WITHOUT STAINS, FILMS AND OTHER DISTRACTING SUBSTANCES.
71.	CLEAN THE PROJECT SITE OF RUBBISH, LITTER AND OTHER FOREIGN SUBSTANCES. BROOM CLEAN PAVED AREAS AND REMOVE STAINS, SPILLS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS THAT ARE NEITHER PAVED NOR PLANTED, TO A SMOOTH EVEN TEXTURED SURFACE.
GENERAL DRAWING REFERENCES	
REFER TO GENERAL NOTES SHEETS FOR EACH PROFESSIONAL DISCIPLINE FOR ALL OTHER CONSTRUCTION REQUIREMENTS NOT LISTED BELOW.	
72.	DIVISION 4 - MASONRY:
72.1.	PROVIDE MASONRY CONTROL JOINTS AT 24 FT SPACING MAXIMUM (EVEN IF NOT NOTED), AND WHERE NOTED ON THE DRAWINGS.
73.	DIVISION 5 - METAL:
73.1.	PROVIDE .042 INCH (18 GA) COLD-FORMED METAL FRAMING AT 16 INCH OC AT EXTERIOR FRAMED WALLS MINIMUM, OR GREATER AS NOTED ON STRUCTURAL DRAWINGS.
74.	DIVISION 6 - WOOD:
74.1.	PROVIDE PRESERVATIVE-TREATED WOOD WHEN WOOD IS IN DIRECT CONTACT WITH CONCRETE OR MASONRY.
74.2.	PROVIDE FIRE-RETARDANT TREATED PLYWOOD BACKING AT ALL ELECTRICAL, PHONE AND SECURITY SYSTEM PANELS.
74.3.	PROVIDE CONCEALED WOOD BLOCKING, BRACING OR WALLERS FOR SECURE ANCHORAGE OF ALL SHELVES, RUNNING TRIM, RAILINGS, SUSPENDED ITEMS, DOOR-STOPS, GRAB-BARS, AND OTHER SIMILAR WOODWORK, HARDWARE, SPECIALTIES, ACCESSORIES, FIXTURES OR EQUIPMENT.
74.4.	CUT TO FIT ALL WOOD TRIM OR OTHER PREFINISHED TRIM UNITS AND FINISH ALL EXPOSED SURFACES TO MATCH ADJACENT FINISHED MATERIALS. INSTALL WOODWORK WITH A MINIMUM NUMBER OF JOINTS. COPE ALL RETURNS, MITER ALL CORNERS AND USE SCARF-JOINTS AT END-TO-END CONNECTIONS (BUT JOINTS ARE NOT ACCEPTABLE).
74.5.	ANCHOR WOOD BLOCKING TO METAL STUD FRAMING W/ #12 TEK SCREWS @ 16" OC MAX - ANCHOR BLOCKING TO CMUS OR CONCRETE WITH 1/4" TAPCONS AT MAXIMUM 16" OC. STAGGER FASTENERS WHEN BLOCKING IS WIDER THAN 6" NOMINAL.
75.	DIVISION 7 - THERMAL MOISTURE:
75.1.	VERIFY THAT ALL EXTERIOR FINISHED GRADES ADJACENT TO EXTERIOR WALL ARE BELOW THE FINISHED FLOOR ELEVATION. IF NOT, PROVIDE WATERPROOF MEMBRANE WITH PROTECTION COURSE OVER EITHER SMOOTH-SURFACED MASONRY OR CAST-IN-PLACE CONCRETE TURNED UP FROM THE FLOOR SLAB.
75.2.	PROVIDE MIN 5/12" BATT INSULATION ON CEILINGS ABOVE AND WITHIN PARTITIONS AROUND AND BETWEEN ALL TOILET ROOMS TYPICALLY.
75.3.	SEAL ALL EXTERIOR BUILDING JOINTS AT BOTH THE OUTSIDE AND INSIDE SURFACES, AND OTHER OPENINGS AGAINST MOISTURE AND AIR-INFILTRATION. AT JOINTS AROUND STOREFRONT/CURTAIN WALL SYSTEMS, PROVIDE SHIM-SPACE AND SEALANT INSIDE AND OUTSIDE WITH BACKER-ROD.
75.4.	PROVIDE SEALANT ALL-AROUND DOOR OR WINDOW FRAMES, COUNTERTOPS & BACK-SPLASHES, WALL-MOUNTED FIXTURES OR EQUIPMENT (INCLUDING LAVS OR SINKS) TO ADJACENT WALL SURFACES, AND OTHER SIMILAR LOCATIONS.
76.	DIVISION 8 - OPENINGS:
76.1.	DOOR AND WINDOW DIMENSIONS NOTED ARE NOMINAL - COORDINATE WITH FIELD-CONDITIONS AND VERIFY WITH MANUFACTURERS BEFORE FABRICATION.
76.2.	HARDWARE MATERIALS: PROVIDE NON-FERROUS MATERIALS AT EXTERIOR LOCATIONS.
77.	DIVISION 9 FINISHES:
77.1.	DRYWALL CONTROL JOINTS: LOCATE AS NOTED.
77.2.	PROVIDE 3/8" THICK GLASS-MAT GYPSUM BACKER-BOARD AT ALL PARTITIONS W/ TILE FINISH.
77.3.	PROVIDE BACK-TO-BACK DOUBLED .0312" (29 GA) METAL STUDS WHERE WALL-BLOCKING IS PROVIDED FOR SUPPORT OF GRAB-BARS OR SHELVEING.
77.4.	DRYWALL HEADERS: PROVIDE FRAMING @ 16" OC SUSPENDED FROM STRUCTURE ABV W/ 1 LAYER 5/8" GYP BD ON EXPOSED SIDES/8" BOTTOM SURFACE.
77.5.	PAINT OR STAIN FINISH ALL EXPOSED SURFACES OF CONSTRUCTION UNLESS NOTED OTHERWISE OR IF SURFACE IS PRE-FINISHED. PROVIDE PAINT FINISH MIN AT ALL SURFACES NOT OTHERWISE INDICATED TO RECEIVE OTHER FINISH. FINISH EXPOSED EDGES OR SURFACES OF CUT WOOD OR PREFINISHED TRIM TO MATCH ADJACENT SURFACES.
78.	DIVISION 10 - SPECIALTIES:
78.1.	AT ASSEMBLY OCCUPANCIES PROVIDE "MAXIMUM OCCUPANCY" SIGN IN A CONSPICUOUS LOCATION AS APPROVED BY AHJ.
78.2.	ACCESSIBLE DOOR SIGN W/ RAISED LETTERS, PICTORIAL SYMBOL & BRAILLE PLATE READING "MEN", "WOMEN", "RESTROOM" OR AS APPROPRIATE TO USE/TITLE OF ROOM - MOUNT 9" FROM STRIKE EDGE OF DOOR & 60 INCHES AFF TO SIGN CENTERLINE.
78.3.	TOWEL-DISPENSER AND WASTE RECEPTACLE AT EACH LAVATORY OR HAND SINK - PROVIDE WALL BLOCKING IF NECESSARY FOR SECURE ATTACHMENT.
79.	DIVISION 11 - EQUIPMENT:
79.1.	PROVIDE WATER-SERVICE SHUTOFF-VALVE W/ BACK-FLOW PREVENTER (DOWNSTREAM OF VALVE) AT EA HOT-OR COLD-WATER CONNECTION TO EQUIPMENT EXCEPT AT SINKS.
79.2.	PROVIDE SHUTOFF VALVES (STOPS), SUPPLIES AND TRAPS AT ALL LAVS OR SINKS.
80.	DIVISION 21 - FIRE SUPPRESSION SYSTEM NOTES:
80.1.	SUBMIT SPRINKLER SYSTEM DESIGN DRAWINGS TO AHJ AND OWNER (WHEN APPLICABLE) AND OBTAIN THEIR APPROVAL BEFORE STARTING WORK.
80.2.	PROVIDE SEMI-CONCEALED TYPE SPRINKLER HEADS IN PUBLIC VIEW AREAS. PROVIDE STANDARD SURFACE-MTD SPRINKLER HEADS IN BACK AREAS NOT IN PUBLIC VIEW, UNLESS OTHERWISE NOTED.
81.	DIVISION 32 - SITE IMPROVEMENTS:
81.1.	MAXIMUM ALLOWABLE SLOPE OF NEW PAVEMENT: 4.9% (1:21).
81.2.	MAXIMUM ALLOWABLE CROSS-SLOPE OF NEW PAVEMENT: .2% (1:48).
81.3.	MINIMUM SLOPE OF EXTERIOR PAVEMENT (WITHIN 10 FEET OF BUILDING) 2% DRAINING AWAY FROM BUILDING.

## CHASE NOTES

1.	ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES, REGULATIONS, ORDINANCES AND STANDARDS INCLUDING ADA AND OR OTHER HANDICAP ACCESSIBILITY CODES.
2.	GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH CHASE'S VENDORS REGARDING SCHEDULING ON SITE DURING CONSTRUCTION AND SEQUENCING OF THE WORK.
3.	THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN INTENT AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
4.	PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL EXISTING ABOVE AND BELOW GRADE UTILITIES, INCLUDING SANITARY SEWER, STORM SEWER, WATER, GAS, ELECTRICAL, TELEPHONE, ETC. ANY DISCREPANCIES IN UTILITY LOCATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
5.	ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
6.	THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7.	UPON COMPLETION OF PROJECT, G.C. TO OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH CHASE WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
8.	SIGNS, UNLESS NOTED OTHERWISE, ARE PROVIDED BY CHASE'S SIGN CONTRACTOR. GENERAL CONTRACTOR TO PROVIDE ROUGH-IN & FINAL CONNECTION AND BRAILLE EXIT SIGN.
9.	GENERAL CONTRACTOR TO PROVIDE FOUR (4) TO FARM DUMPSTERS DURING CHASE RETAIL MOVE-IN.
10.	GENERAL CONTRACTOR SHALL PROVIDE ONE SKILLED LABORER FOR ONE WEEK DURING CHASE RETAIL MOVE-IN. (40 HOURS)
11.	GENERAL CONTRACTOR TO MAINTAIN SUPERINTENDENT AVAILABILITY DURING ENTIRE WEEK OF RETAIL MOVE-IN TO ASSIST AS NECESSARY.
12.	GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SET-UP AND COORDINATION OF ALL THE UTILITY SERVICES FOR THE PROJECT.
13.	GENERAL CONTRACTOR TO PROVIDE FINAL KEYING ON DAY OF TURNOVER PER CHASE KEYING GUIDELINES.
14.	REFER TO "PROJECT MANUAL" FOR ALL OTHER INSTRUCTIONS & DIRECTIVES NOT SHOWN IN DRAWINGS.

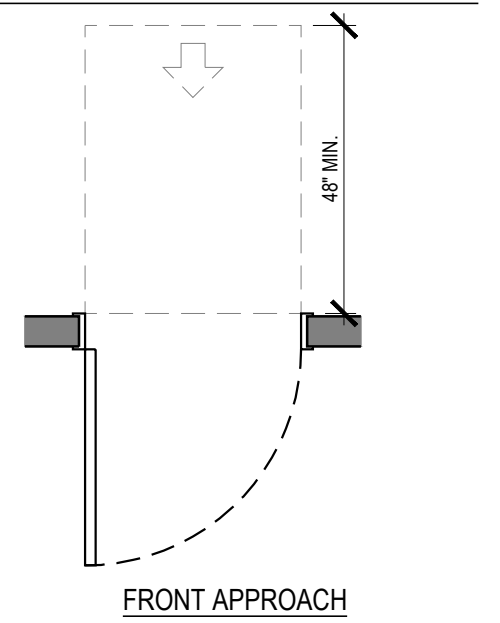
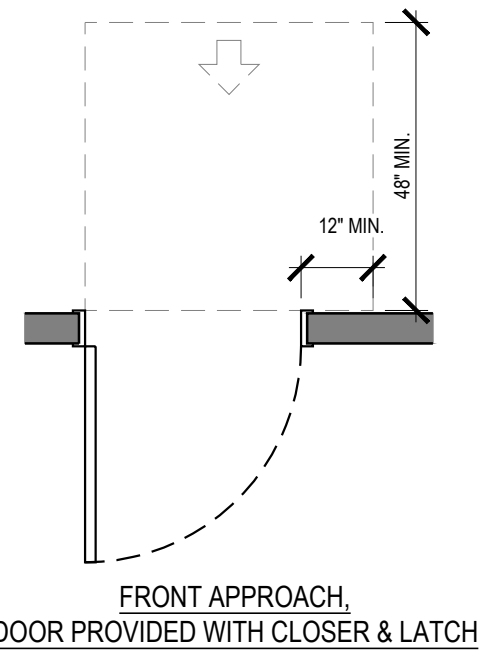
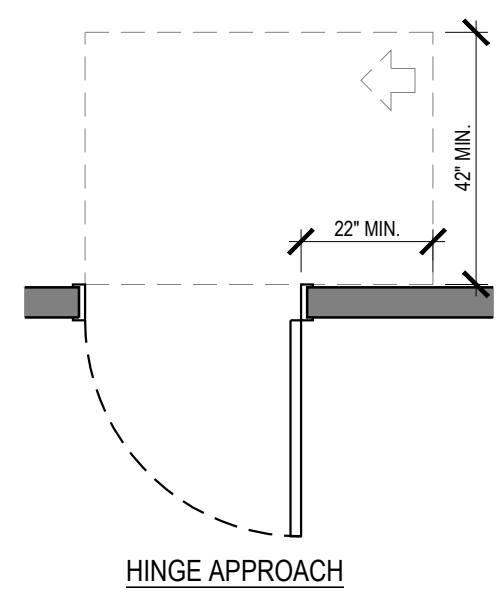
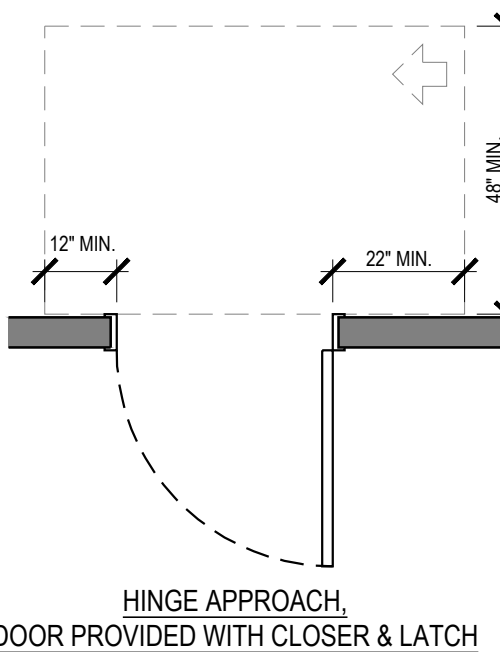
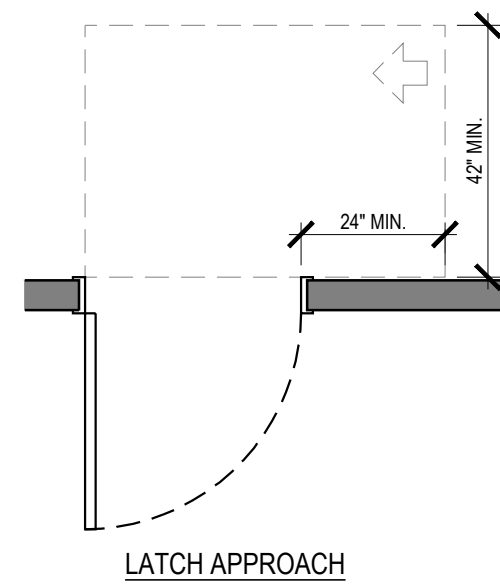
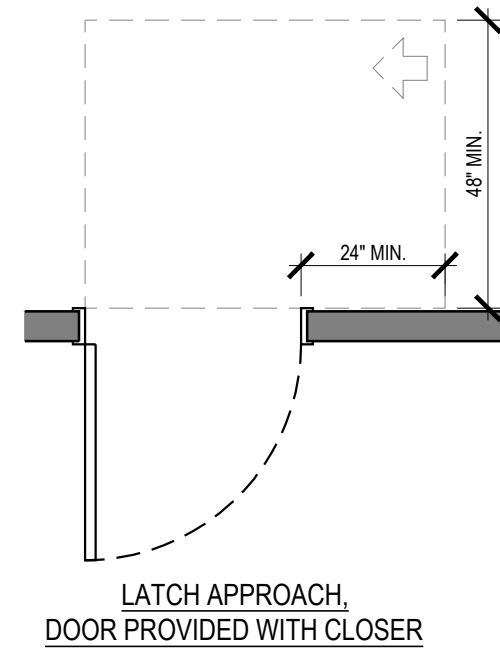


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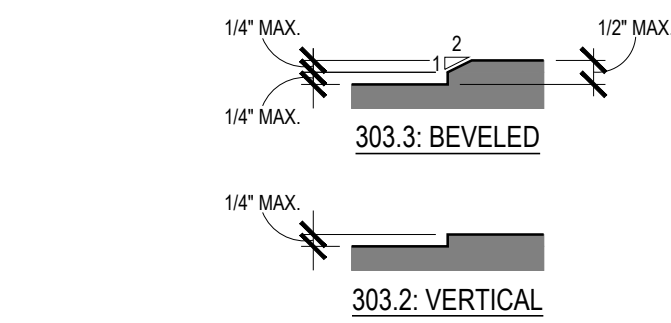


PULL SIDE

SECTION 404.2.4: MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS

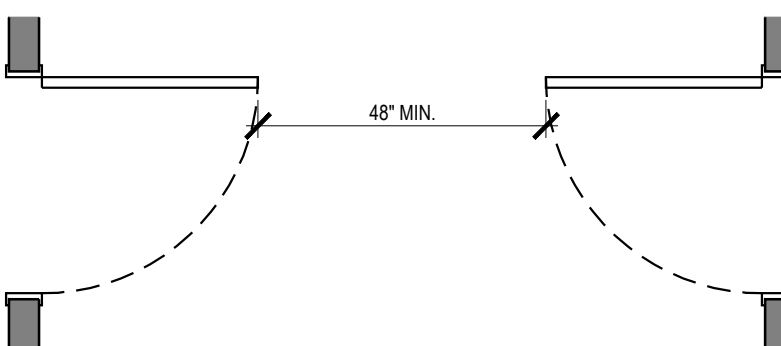
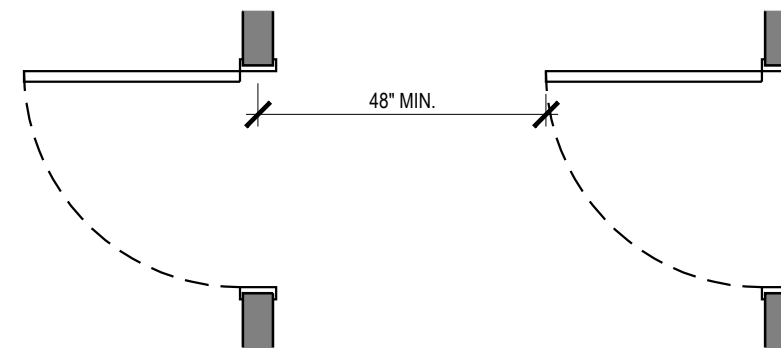
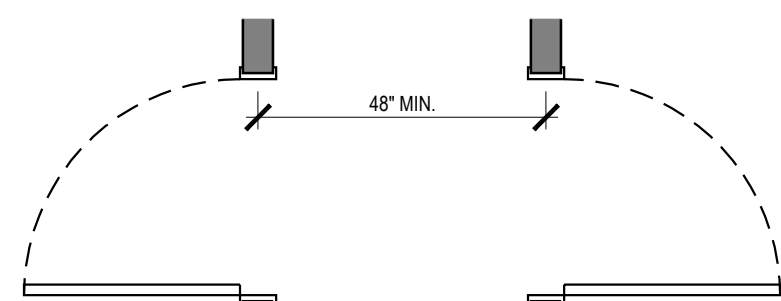


PUSH SIDE

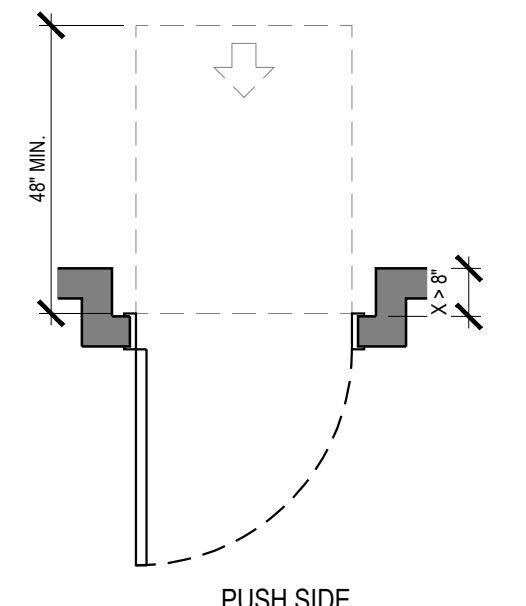
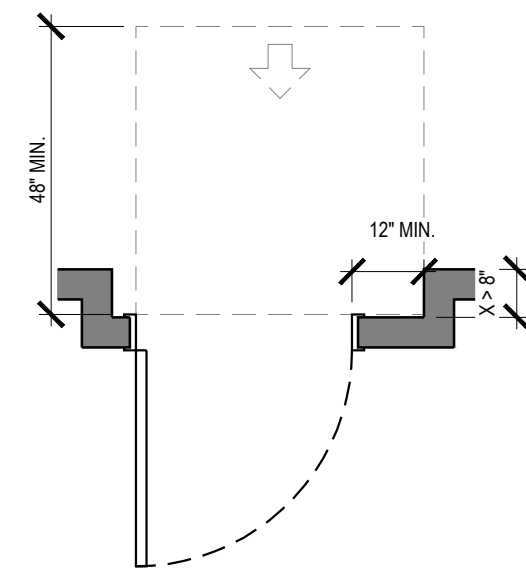


304.2, 305.2 & 404.2.4.4: CHANGES IN LEVEL NOT PERMITTED IN TURNING SPACES, CLEAR FLOOR SPACES AND DOOR MANEUVERING CLEARANCES

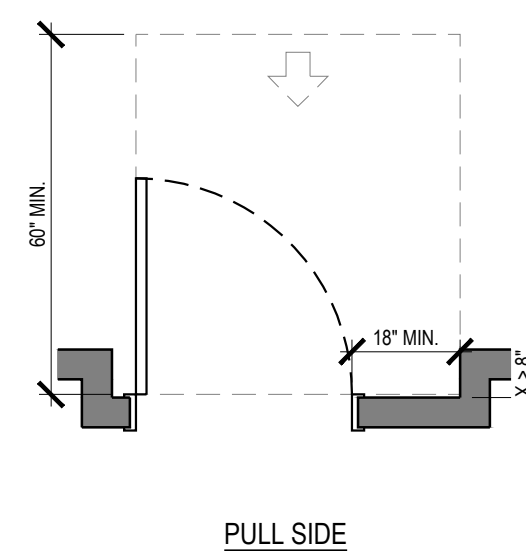
SECTION 303: CHANGES IN LEVEL



SECTION 404.2.6: DOORS IN SERIES

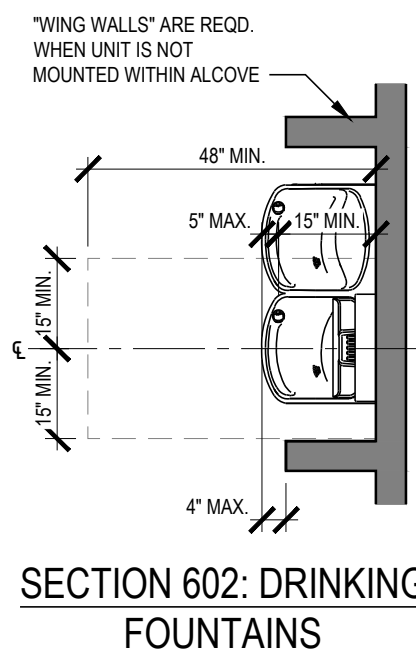
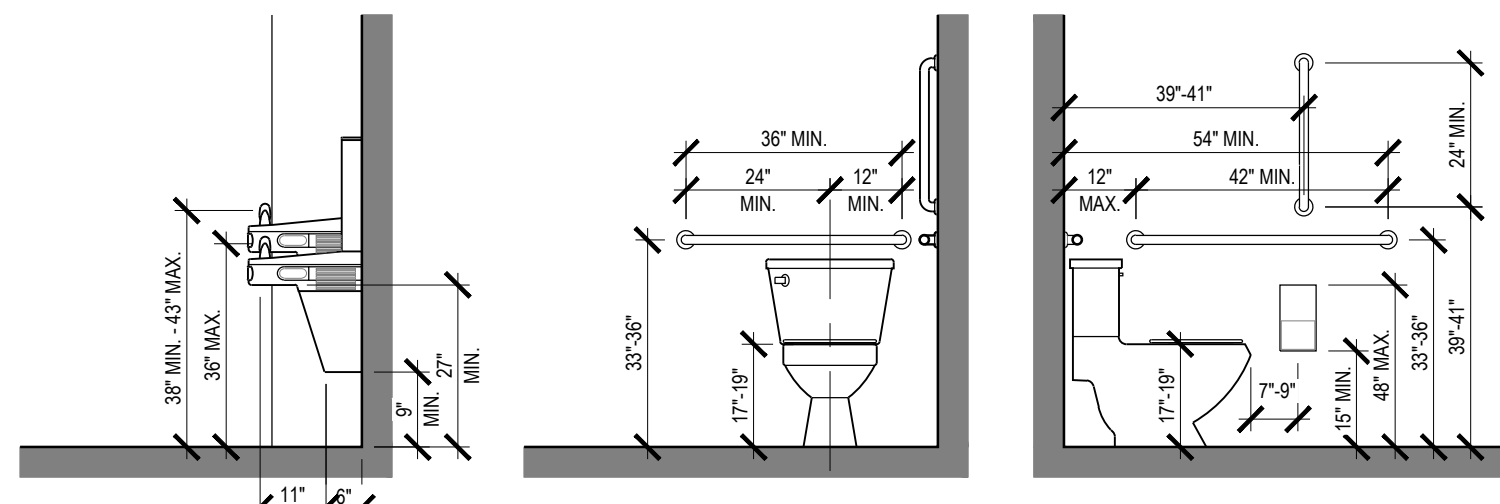
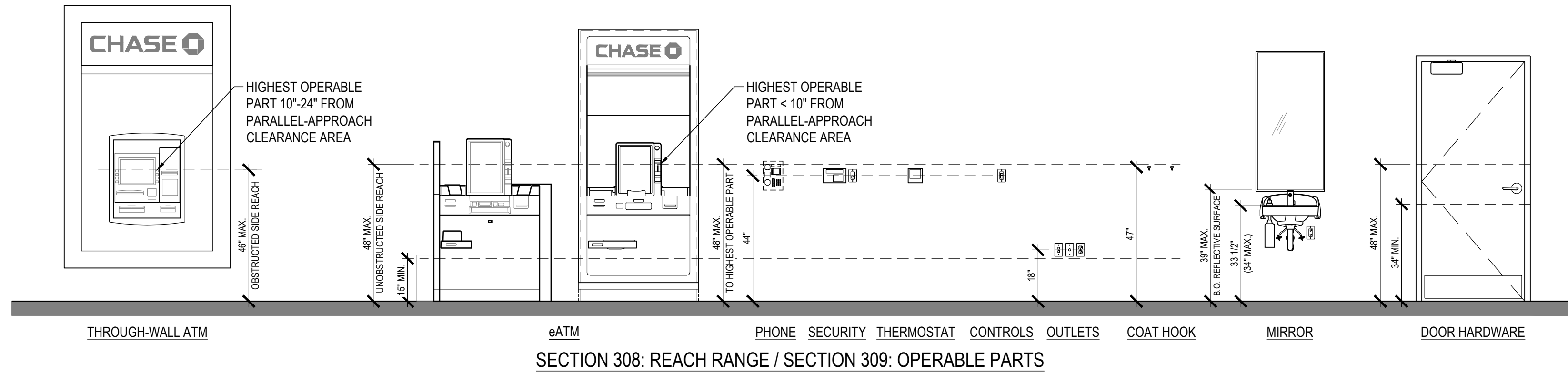


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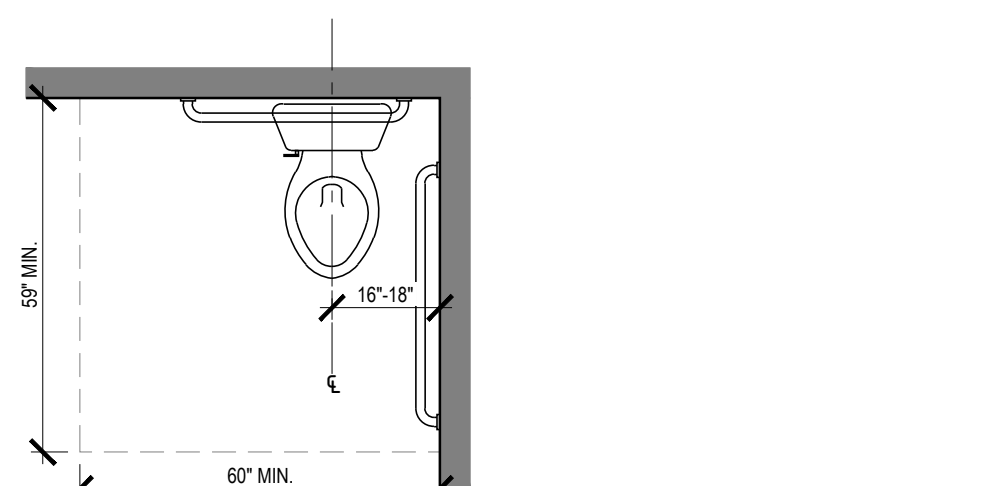
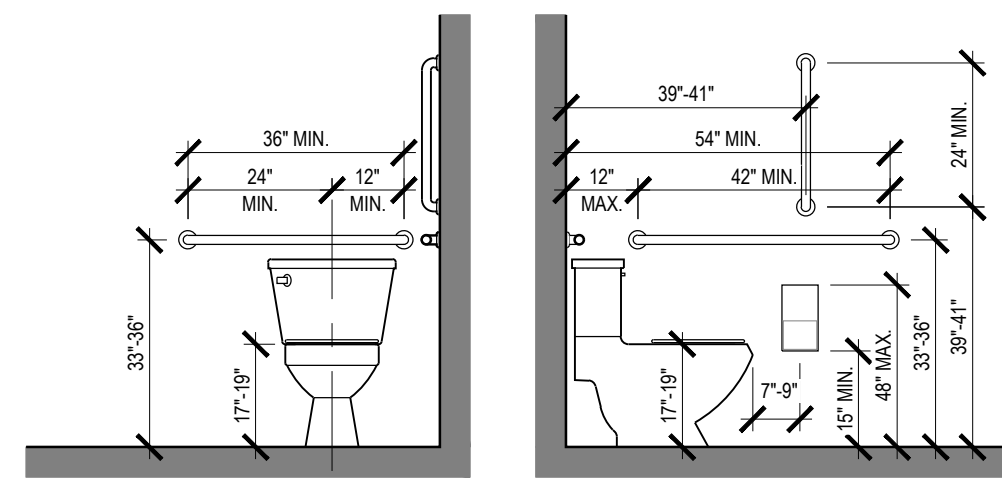


PULL SIDE

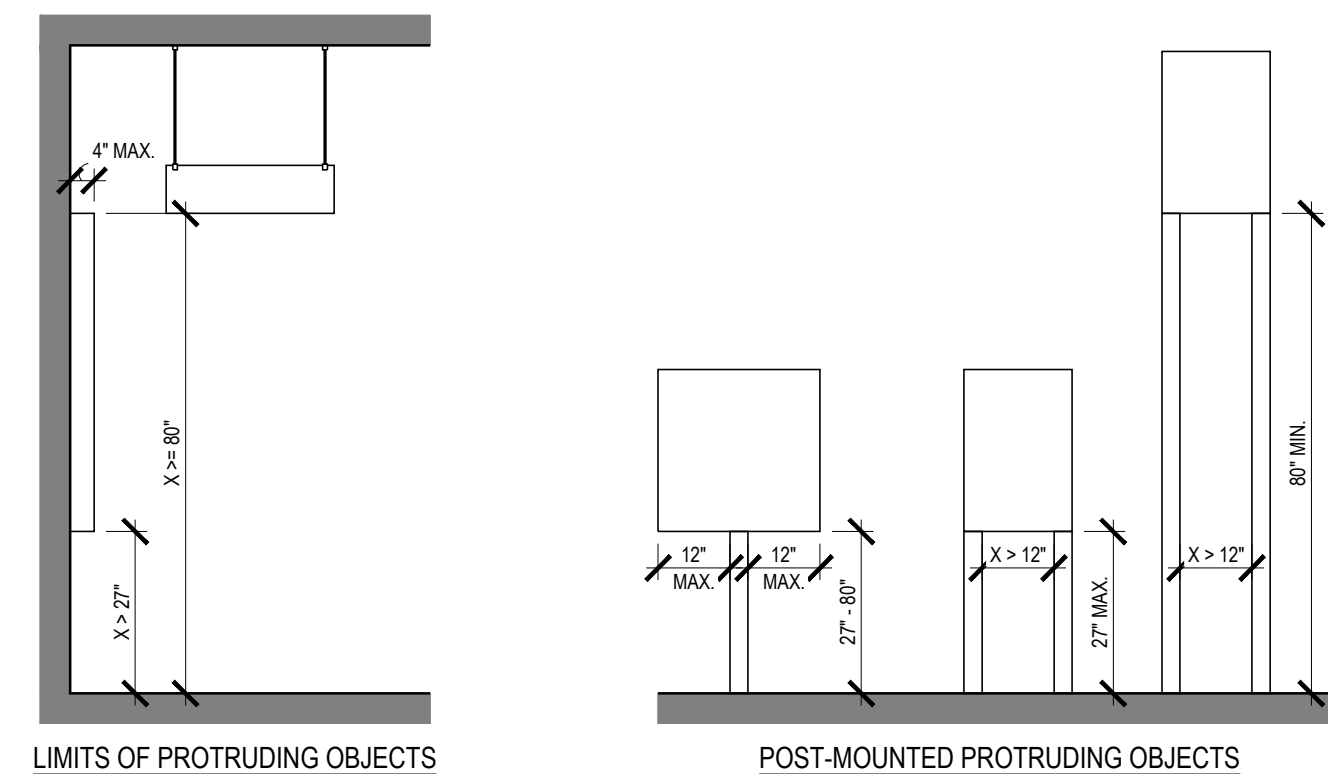
SECTION 404.2.4.3: MANEUVERING CLEARANCES AT RECESSED DOORS



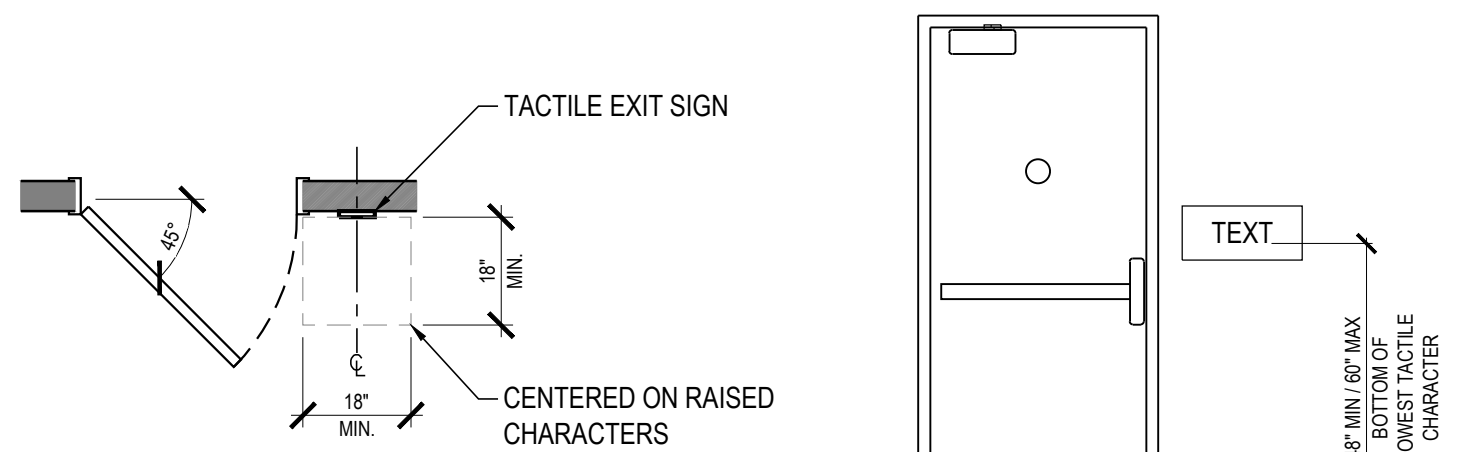
SECTION 602: DRINKING FOUNTAINS



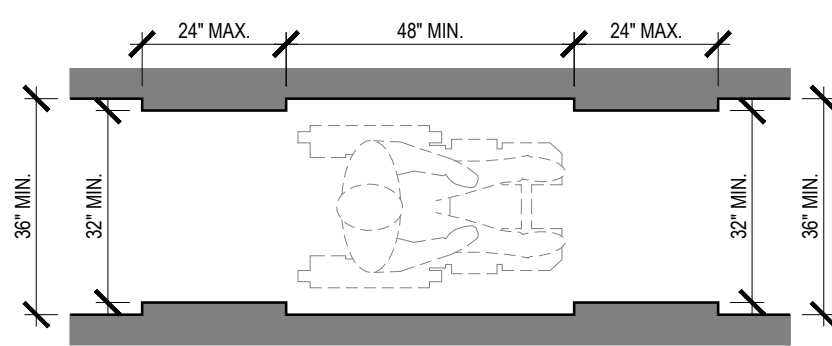
SECTION 604: WATER CLOSETS



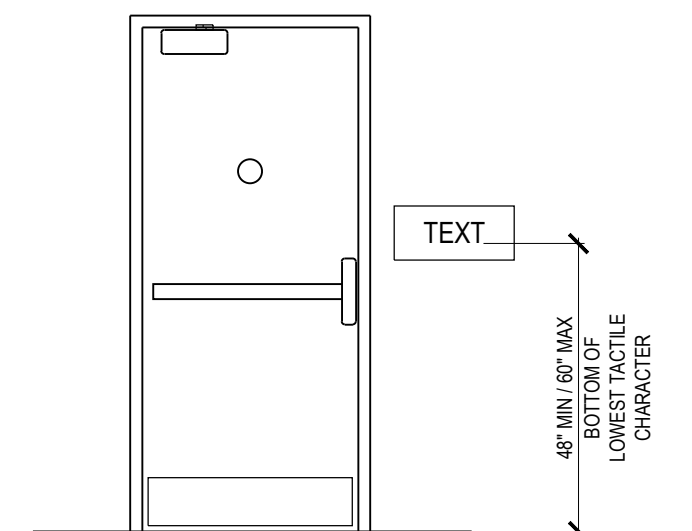
SECTION 307: PROTRUDING OBJECTS



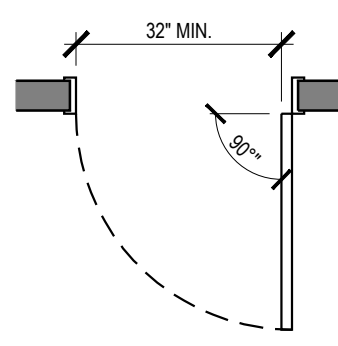
SECTION 703.3.11: LOCATIONS OF SIGNS AT DOORS



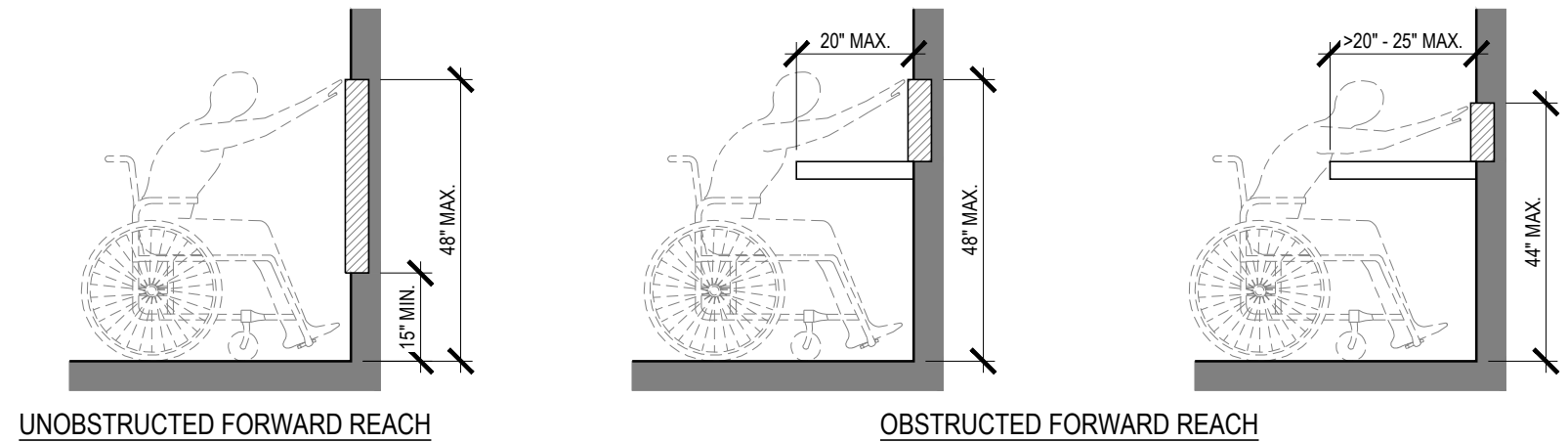
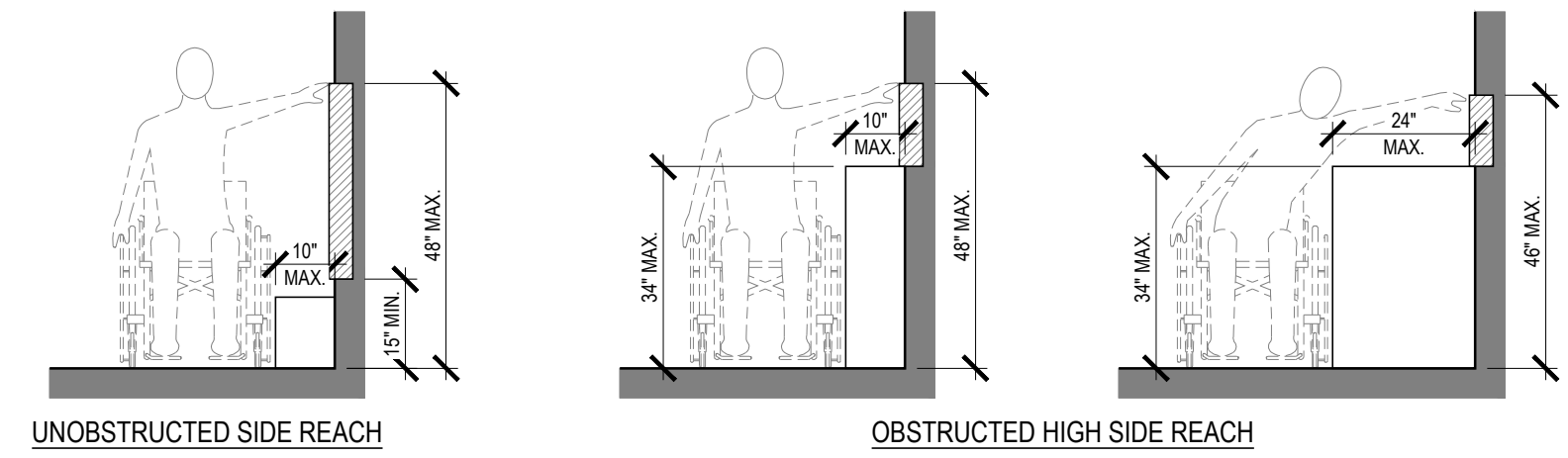
SECTION 403: WALKING SURFACES



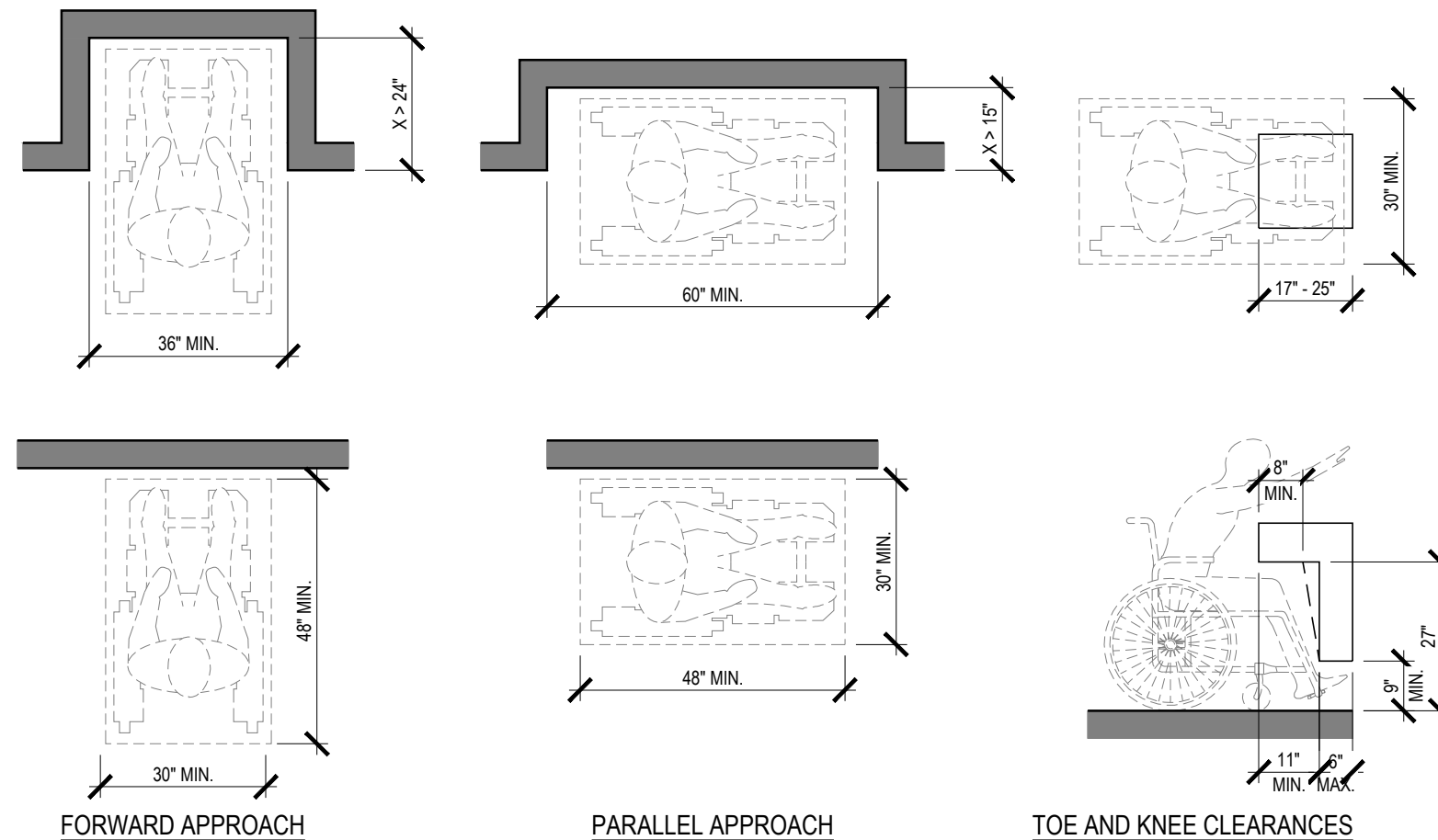
SECTION 703.3.10: HEIGHT ABOVE FLOOR



SECTION 404: DOORS, DOORWAYS, AND GATES



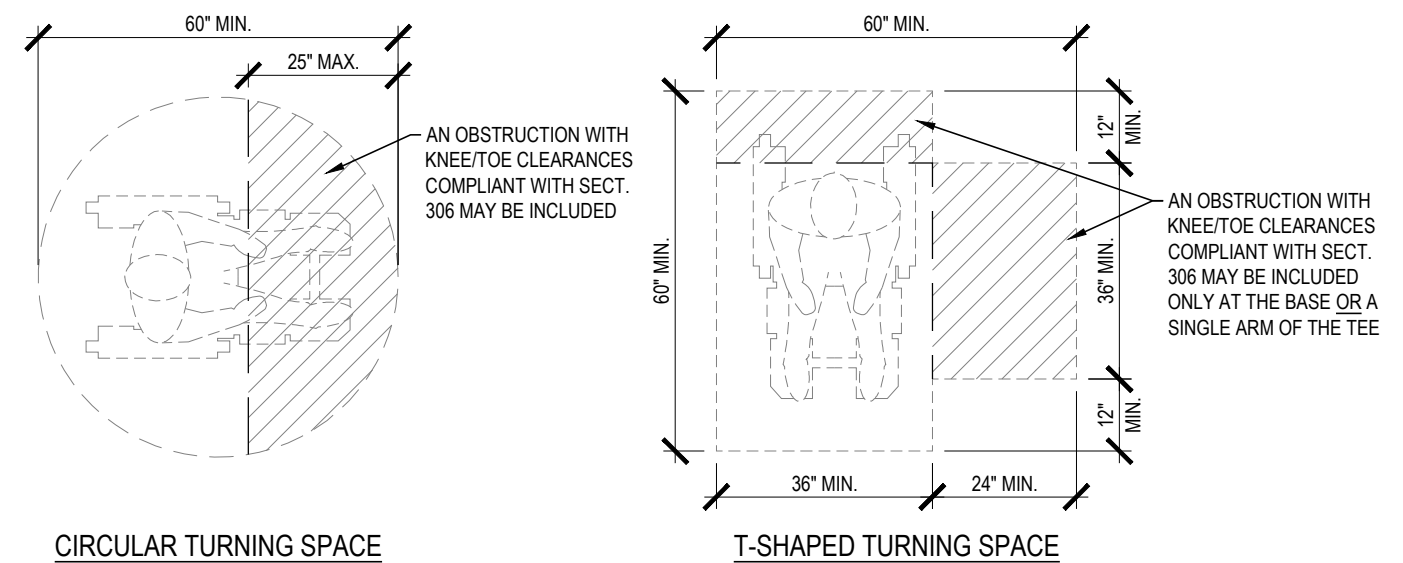
SECTION 308: REACH RANGES / SECTION 309: OPERABLE PARTS



SECTION 305: CLEAR FLOOR OR GROUND SPACE

TOE AND KNEE CLEARANCES

SECTION 306: KNEE AND TOE CLEARANCE



SECTION 304: TURNING SPACE

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
4000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.corestates.com

COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE  
SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL,  
WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

ANSI  
ACCESSIBILITY  
DETAILS

SHEET NUMBER

A0.3



Through-penetration Firestop Systems

See General Information for Through-penetration Firestop Systems

System No. W-L-1001

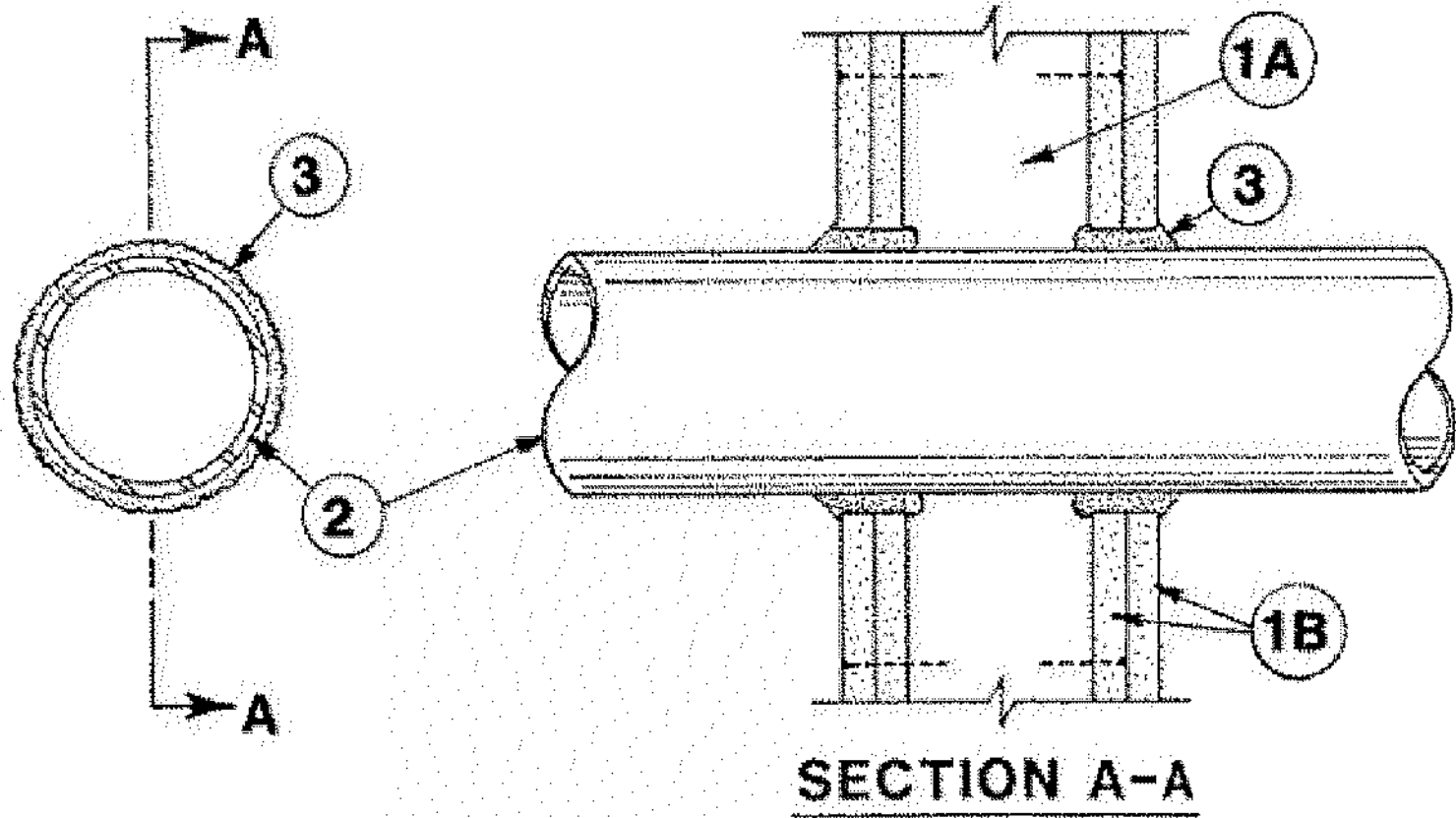
June 15, 2005

F Ratings — 1, 2, 3 and 4 Hr (See Items 2 and 3)

T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3)

L Rating At Ambient — less than 1 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



1. **Wall Assembly** — The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. **Gypsum Board\*** — Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm).

2. **Through-Penetrant** — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm). (point contact) to max 2 in. (51 mm) Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** — Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** — Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. **Conduit** — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in (102 mm) diam (or smaller) steel electrical metallic tubing

D. **Copper Tubing** — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing

E. **Copper Pipe** — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

F. **Through Penetrating Product\*** — Flexible Metal Piping The following types of steel flexible metal gas piping may be used:

1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

OMEGA FLEX INC

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

GASTITE, DIV OF TITFLEX

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG L L C

3. **Fill, Void or Cavity Material\*** — **Caulk or Sealant** — Min 5/8, 1-1/4, 1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/firestop interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit Diam In (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

\*When copper pipe is used, T Rating is 0 hr.

3M COMPANY — CP 25WB+ or PB-3000 WT.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

3  
A0.4

THROUGH-PENETRATION FIRESTOP SYSTEM W-L-1001

N.T.S.

Through-penetration Firestop Systems

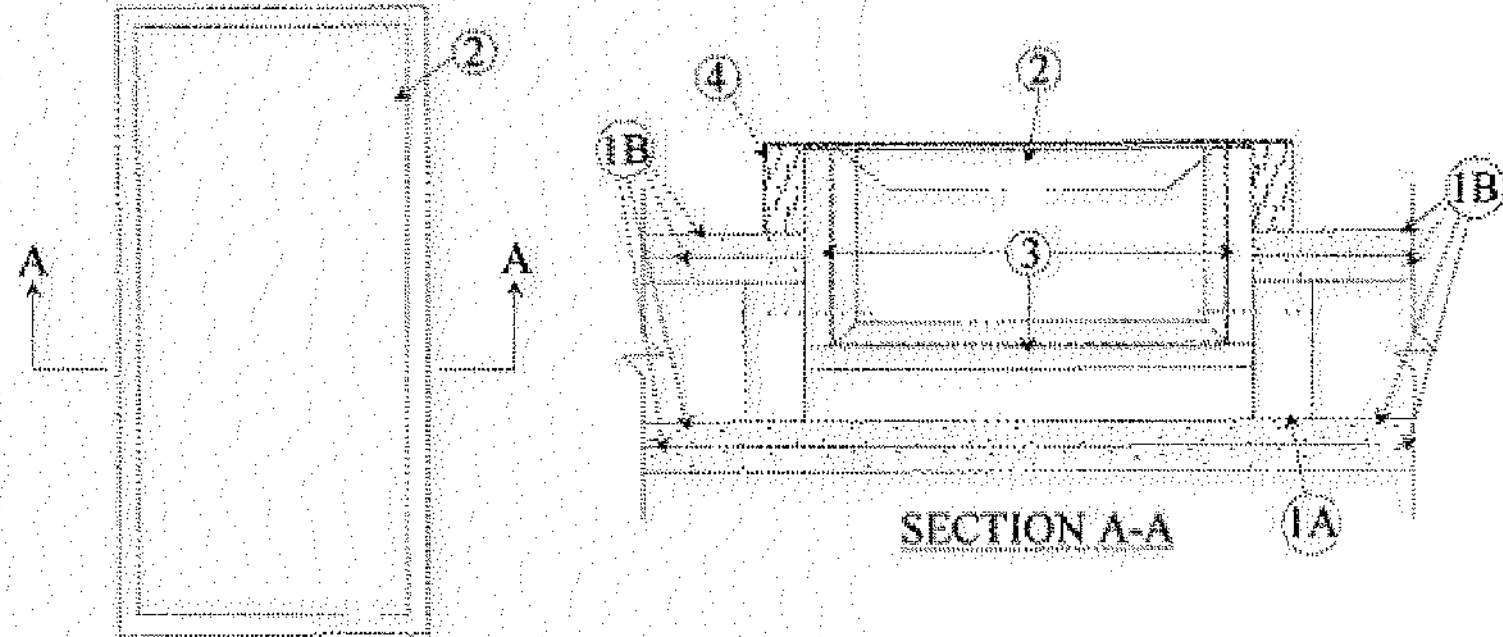
See General Information for Through-penetration Firestop Systems

System No. W-L-7005

October 31, 2006

F Rating — 2 Hr

T Rating — 2 Hr



1. **Wall Assembly** — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC. When aluminum trim is used with cabinets, the wall opening shall be framed on all sides using lengths of studs installed between vertical studs and attached to the studs at each end.

B. **Gypsum Board\*** — Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design.

2. **Cabinets\*** — Fire extinguisher cabinet installed per manufacturers installation instructions in max 33-3/4 by 17-3/4 in. opening on one side of the wall. Max gap between cabinet and wallboard shall be 1/8 in.

**MODERN METAL PRODUCTS** — Models Nos: 101R-1, 101SR-2, 101SR-3.5, 102R-1, 102SR-2, 102SR-3, 102(6)R-1, 102(6)SR-2, 102(6)SR-3, 102(6)SR-4, 104R-1, 104SR-2, 104SR-3, 104SR-4, 105R-1, 105SR-2, 105SR-3, 105SR-4, 106SR-1, 106SR-2, 106SR-3, 106SR-4, 118R-1, 118SR-2, 118SR-3, 120R-1, 120SR-2, 120SR-3, 145R-1, 145SR-3, 147R-1, 147SR-3, 180R-1, 180SR-2, 180SR-3, 184R-1, 184SR-2, 184SR-4, 186R-1, 186SR-2, 186SR-3, 186SR-4.

3. **Gypsum Board\*** — Any 5/8 in. thick gypsum wallboard bearing the UL Classification Marking as to Fire Resistance. Gypsum wallboard installed in the fire extinguisher cabinets (Item 2) per manufacturers installation instructions. See **Gypsum Board** category for names of manufacturers.

4. **Mineral Wool** — Min 4.0 pcf mineral wool batt insulation firmly packed inside cabinet trim.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

2  
A0.4

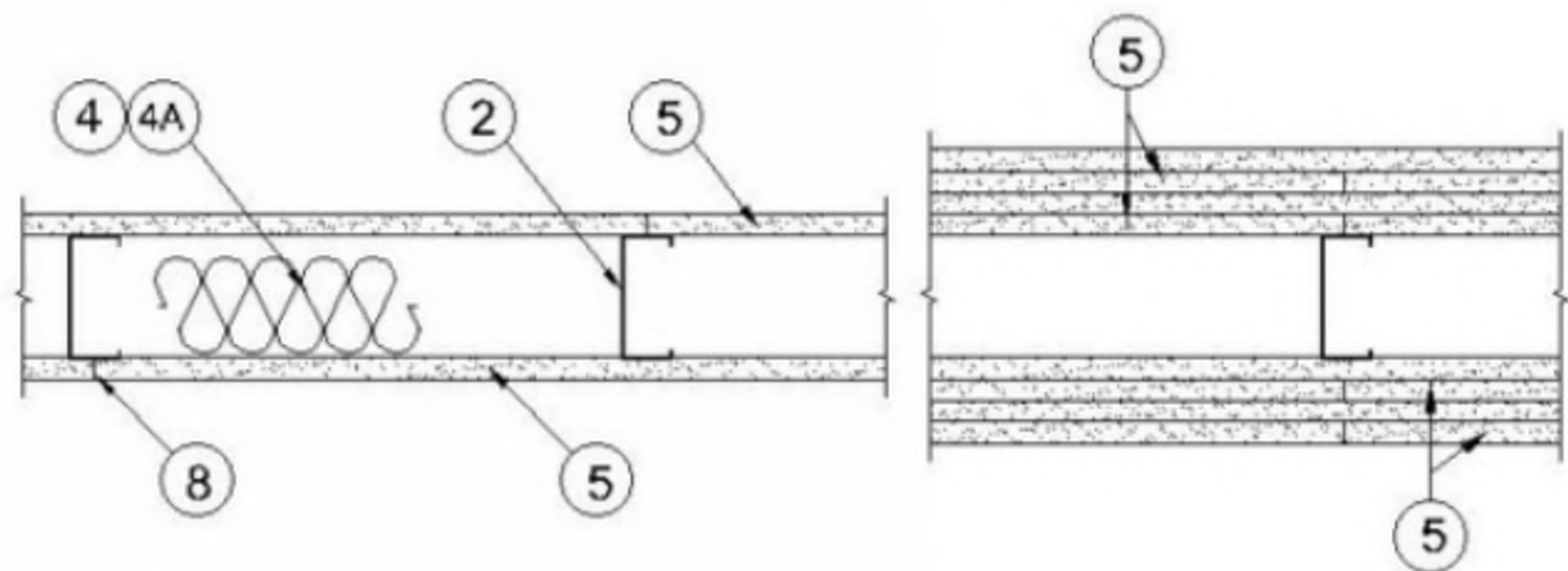
THROUGH-PENETRATION FIRESTOP SYSTEM W-L-7005

N.T.S.

Design No. U419

February 19, 2013

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5)



1  
A0.4

UL U419 1-HR RATED ASSEMBLY

N.T.S.

1. **Floor and Ceiling Runners** — (Not shown) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. **Steel Studs** — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. **Wood Structural Panel Sheathing** — (Optional, For use with Item 5 Only.)- (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets\*** — (Required as Indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See **Batts and Blankets (BKNV or BJZJ) Categories** for names of Classified companies.

4A. **Batts and Blankets\*** — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or BJZJ) Categories** for names of Classified companies.

5. **Gypsum Board\*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2, 2D, 2E, 2G and 2H	Min Stud Depth, in. Item 2A	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	3-5/8	1 layer, 5/8 in. thick	Optional
1	2-1/2	3-5/8	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	3-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 1/2 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 5/8 in. thick	Optional
2	3-1/2	3-5/8	1 layer, 3/4 in. thick	3 in.
3	1-5/8	2-1/2	3 layers, 1/2 in. thick	Optional
3	1-5/8	2-1/2	2 layers, 3/4 in. thick	Optional
3	1-5/8	2-1/2	3 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 1/2 in. thick	Optional
4	2-1/2	2-1/2	2 layers, 3/4 in. thick	2 in.

6. **Fasteners** — (Not shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. **Furring Channels** — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

8. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco** — (Optional, not shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants\*** — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

11. **Lead Batten Strips** — (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. **Lead Batten Strips** — (Not Shown, For Use With Item 5H) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "A, B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs** — (Not Shown, For Use With Item 5B) - Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs** — (Not Shown, for use with Item 5H) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grades "A, B, C or D".

13. **Lead Batten Strips** — (Not Shown, For Use With Item 5E) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs** — (Not Shown, For Use With Item 5E) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

CHASE  
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HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

CORE STATES  
GROUP

4000 Chipmunk Steel Suite 200  
St. Louis, MO 63107  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION
PROJECT NO:
DATE:
PROTOTYPE:
DRAWN BY:
CHECKED BY:
VERSION:

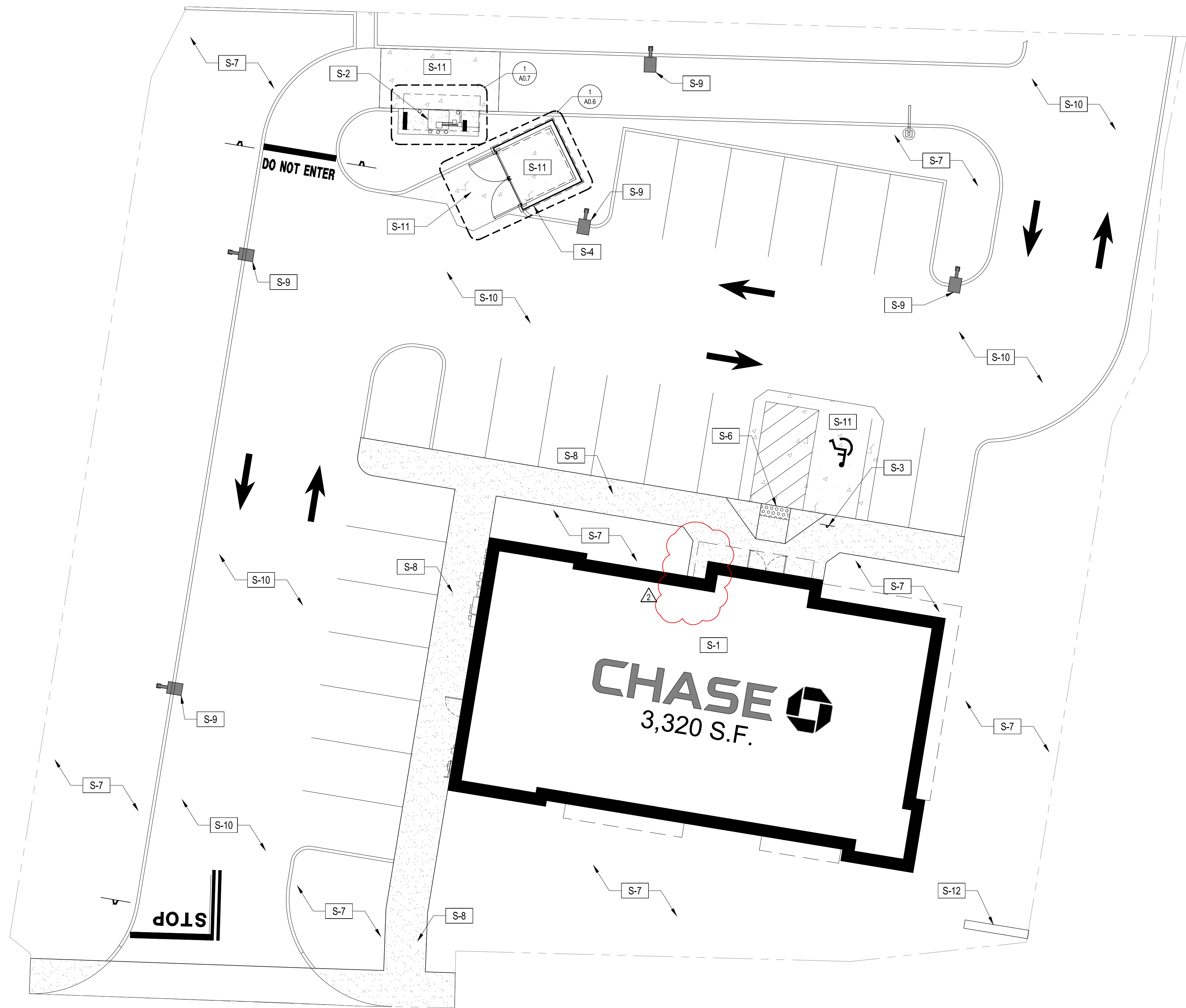
SHEET TITLE

UL LISTING

SHEET NUMBER

A0.4





## GENERAL SITE PLAN NOTES

A	SEE CIVIL DRAWINGS FOR BUILDING SETBACKS, DRAINAGE, PAVING, AND GRADING INFORMATION - SETBACKS AMENDED PER HEARING.
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## SITE PLAN KEYNOTES

S-1	PROPOSED 3,320 SF CHASE BANK
S-2	PROPOSED DRIVE-UP ATM
S-3	PROPOSED ACCESSIBLE PARKING SIGN
S-4	PROPOSED TRASH ENCLOSURE
S-5	PROPOSED BIKE RACK
S-6	PROPOSED DETECTABLE WARNING DEVICE
S-7	PROPOSED GRASS/LANDSCAPED AREAS
S-8	PROPOSED CONCRETE SIDEWALK
S-9	PROPOSED SITE LIGHTING
S-10	PROPOSED ASPHALT
S-11	PROPOSED HEAVY DUTY CONCRETE PAD
S-12	PROPOSED MONUMENT SIGN

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

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890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
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GROUP  
CORESTATES, INC.

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

ARCHITECTURAL  
SITE PLAN

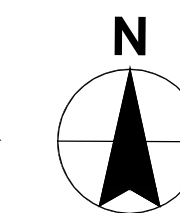
SHEET NUMBER

A0.5

1  
A0.5

ARCHITECTURAL SITE PLAN

3/32" = 1'-0"





**RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI**

**08/13/2021**



**CORE STATES**



**GROUP**

6500 Chippewa Street Suite 200  
CORESTATES, INC.

COA #: A-2014026901

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL  
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## PROJECT INFORMATION

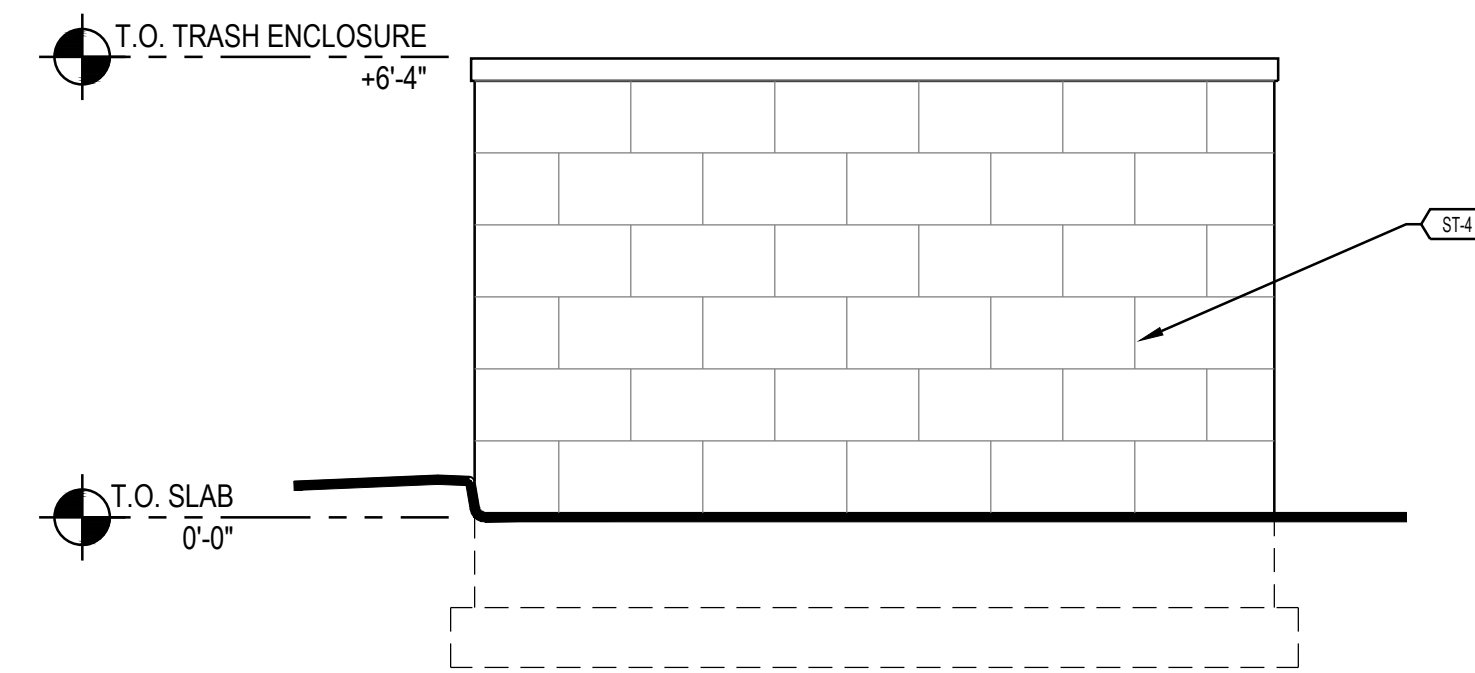
PROJECT NO:	JPM.27135.001
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CHECKED BY:	B.LaSUR
VERSION:	SE_1.00

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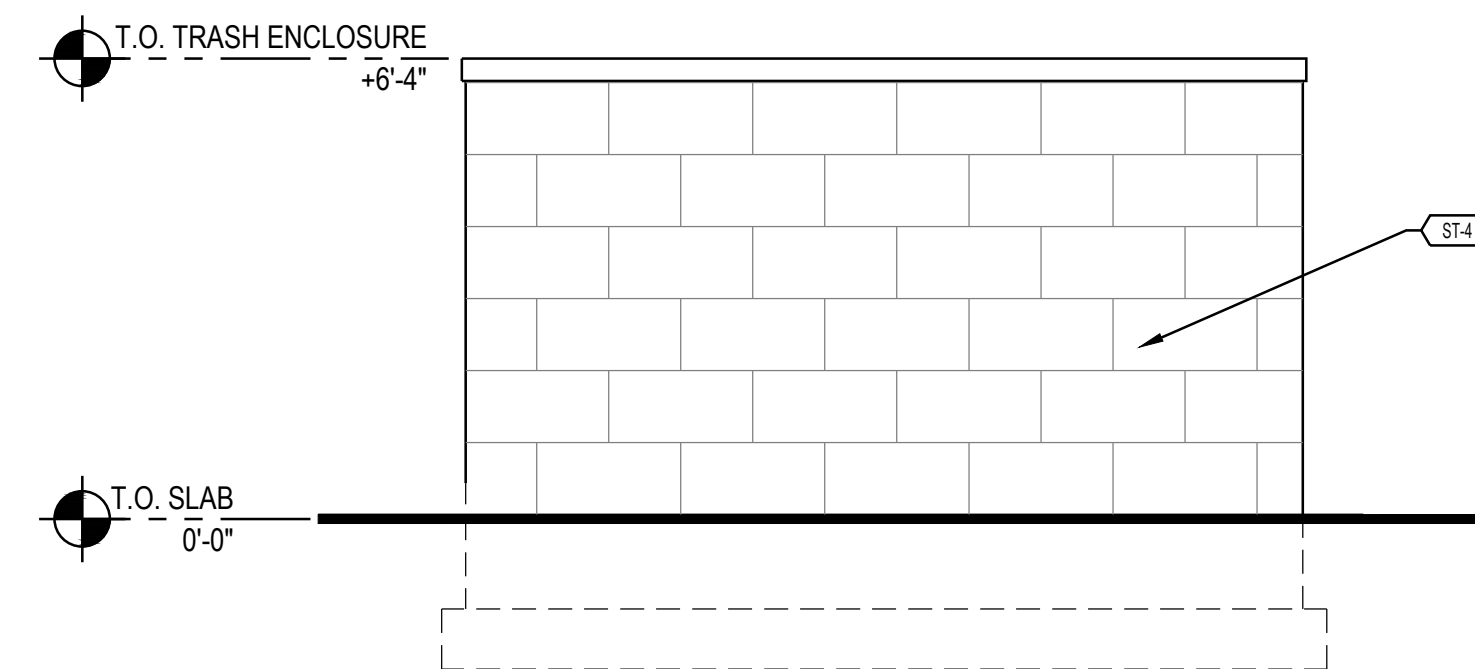
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SHEET NUMBER

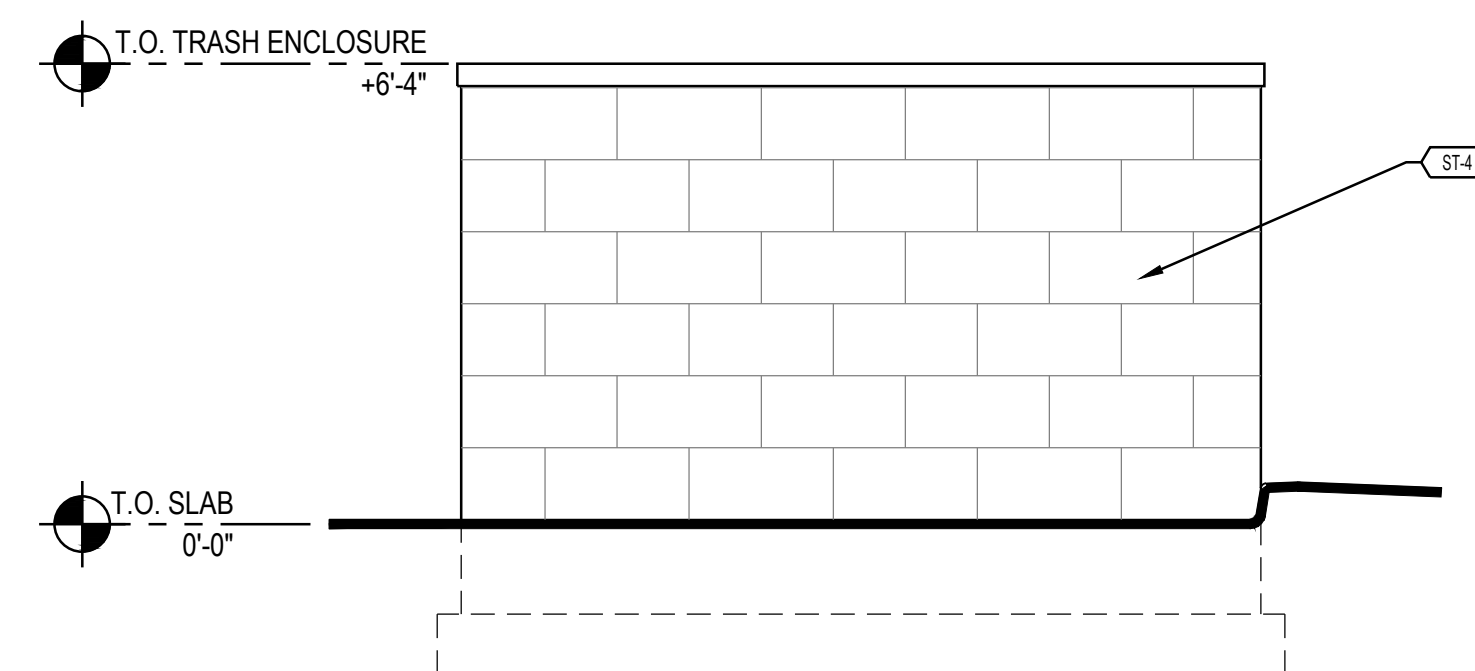
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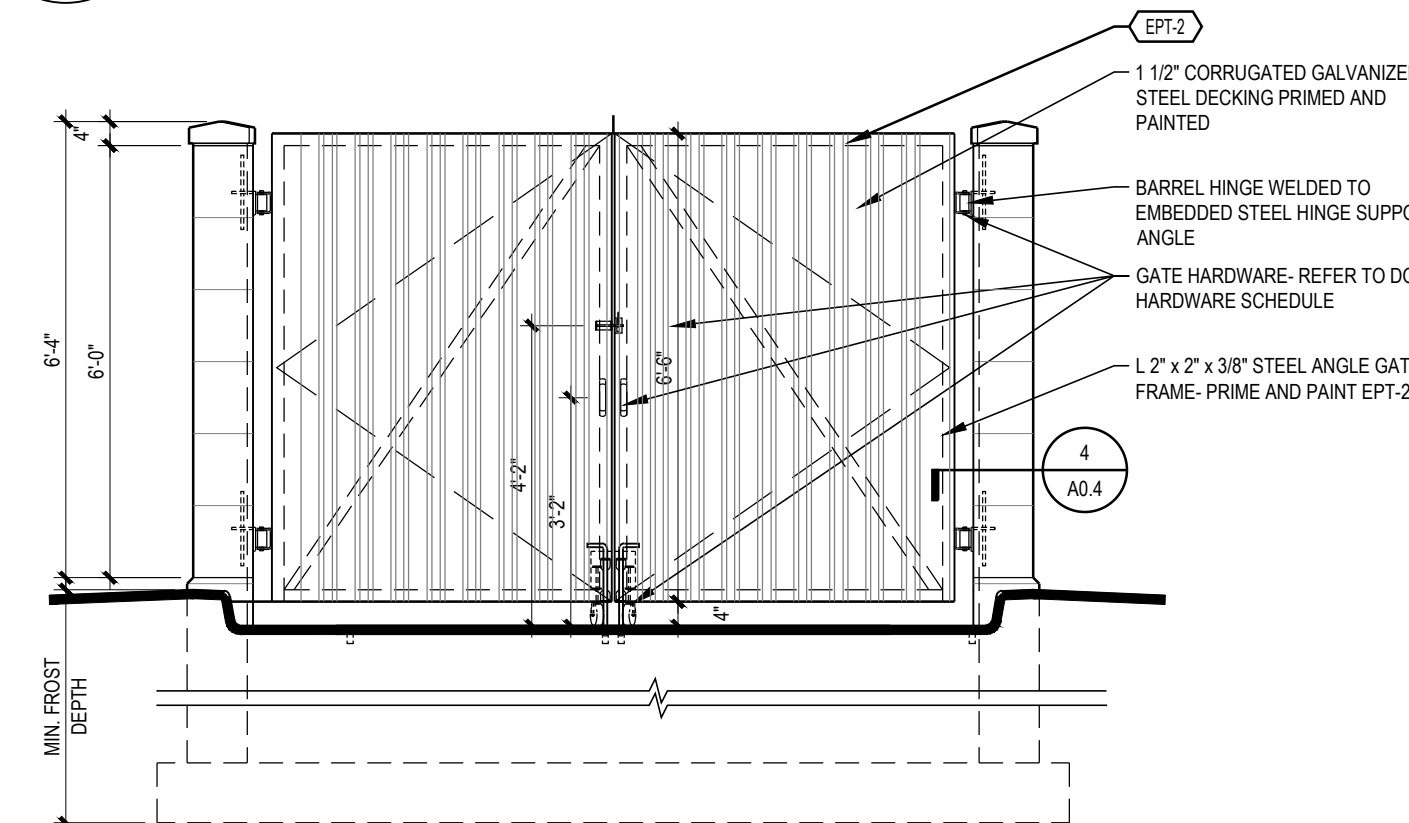
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A0.6 3/8" = 1'-0"



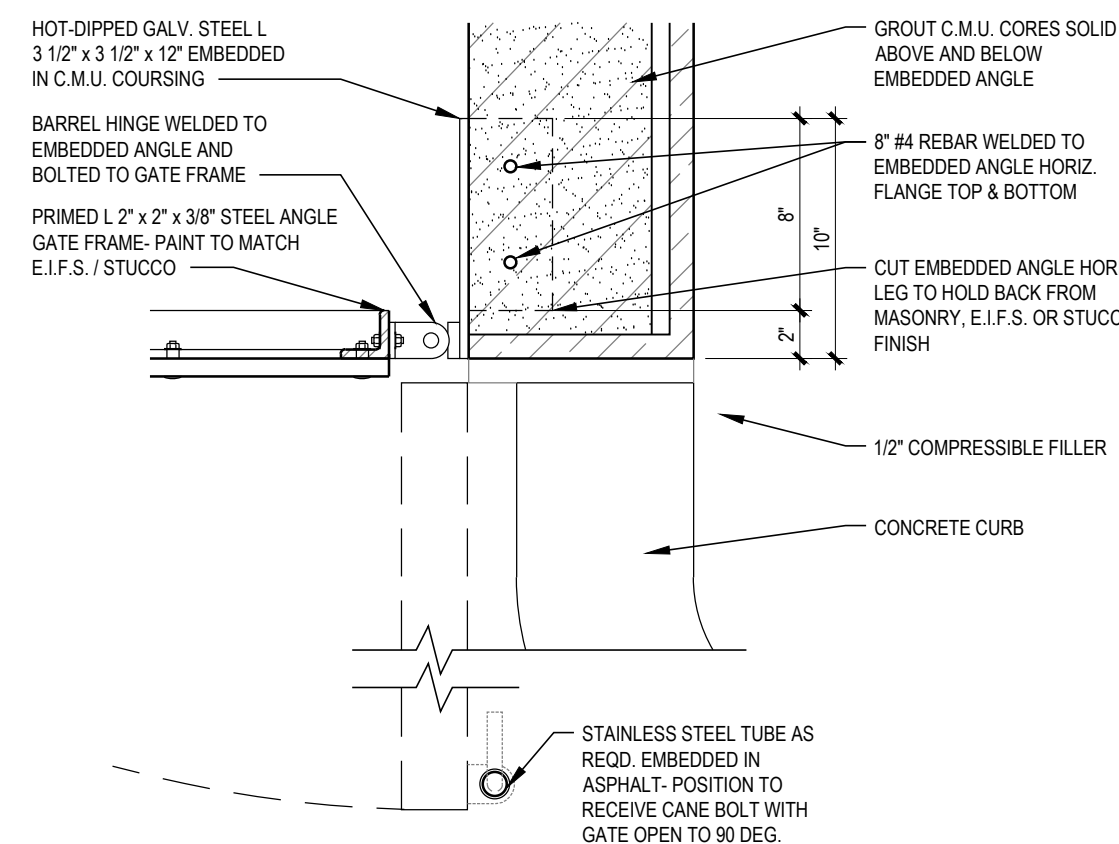
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A0.6 3/8" = 1'-0"



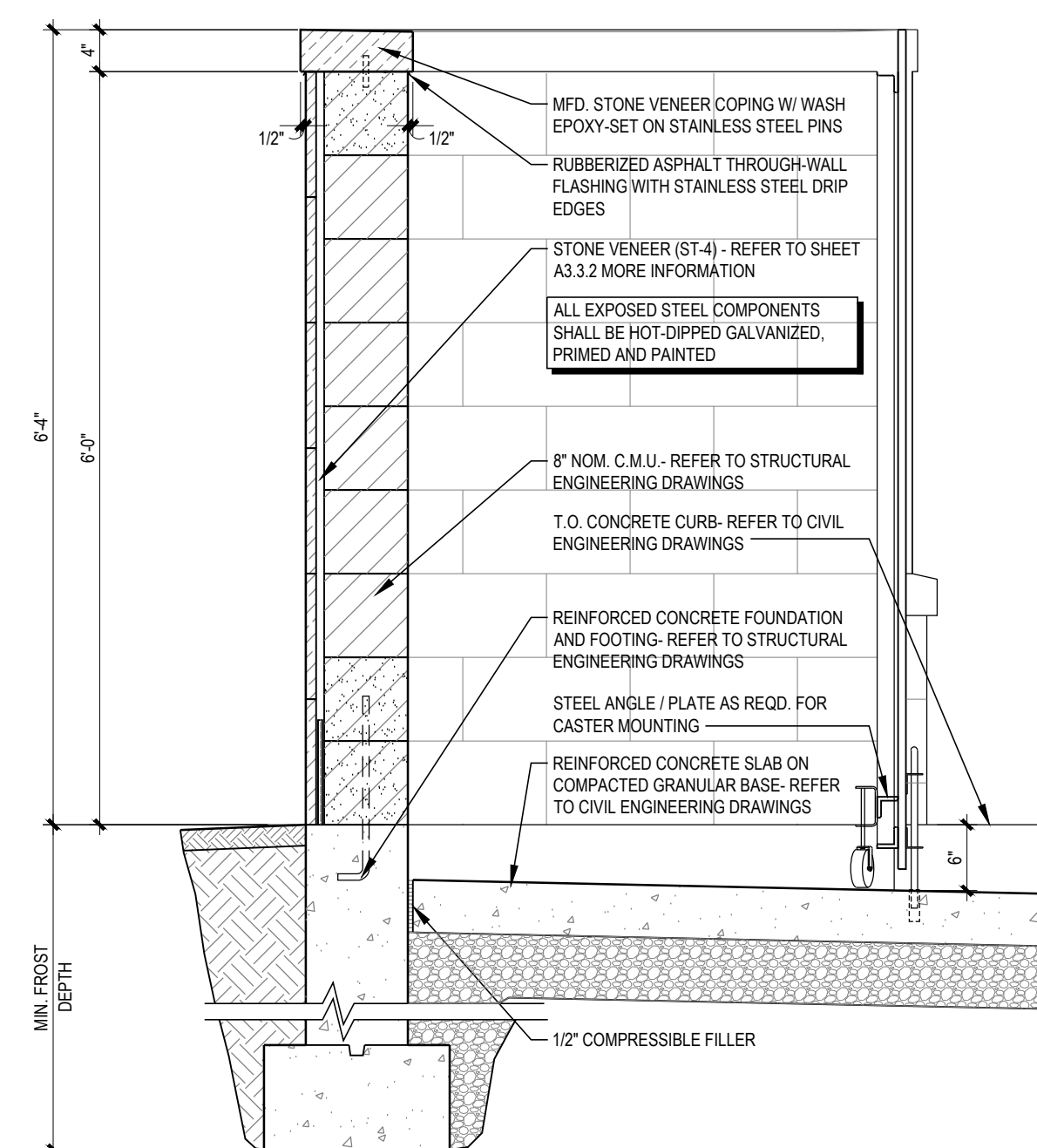
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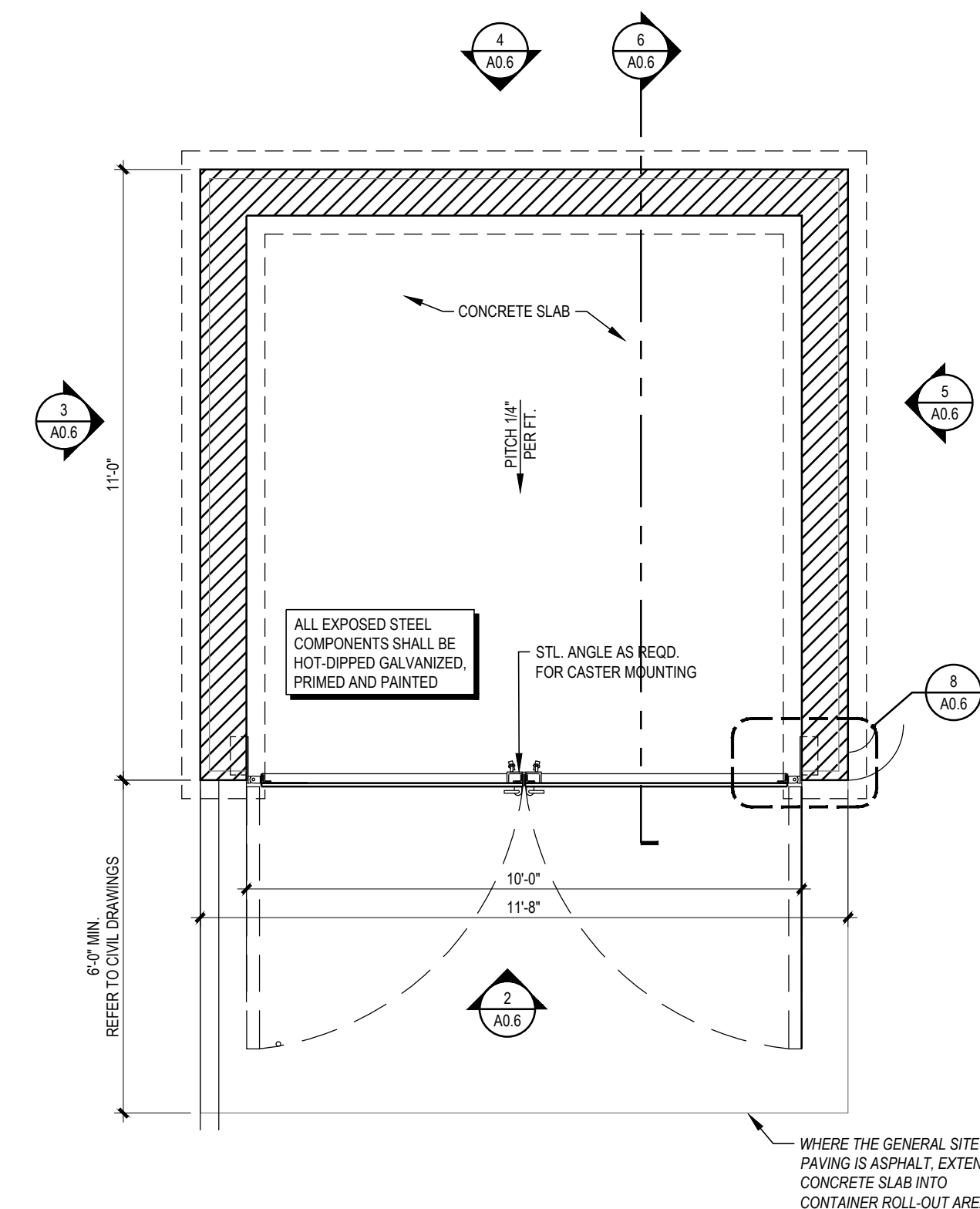
2 TRASH ENCLOSURE - WEST ELEVATION  
A0.6 3/8" = 1'-0"



8 TRASH ENCLOSURE - CORNER DETAIL  
A0.6 1 1/2" = 1'-0"



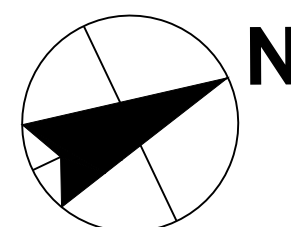
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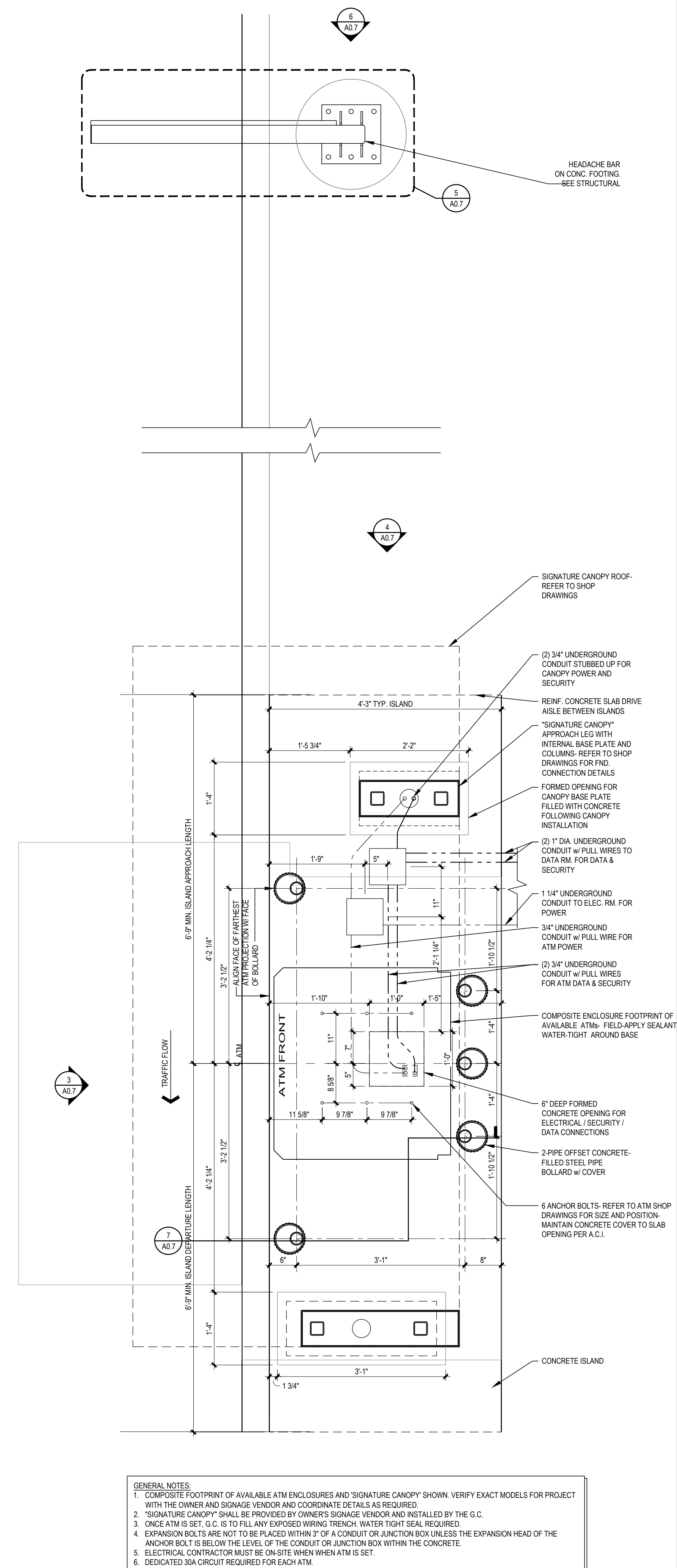
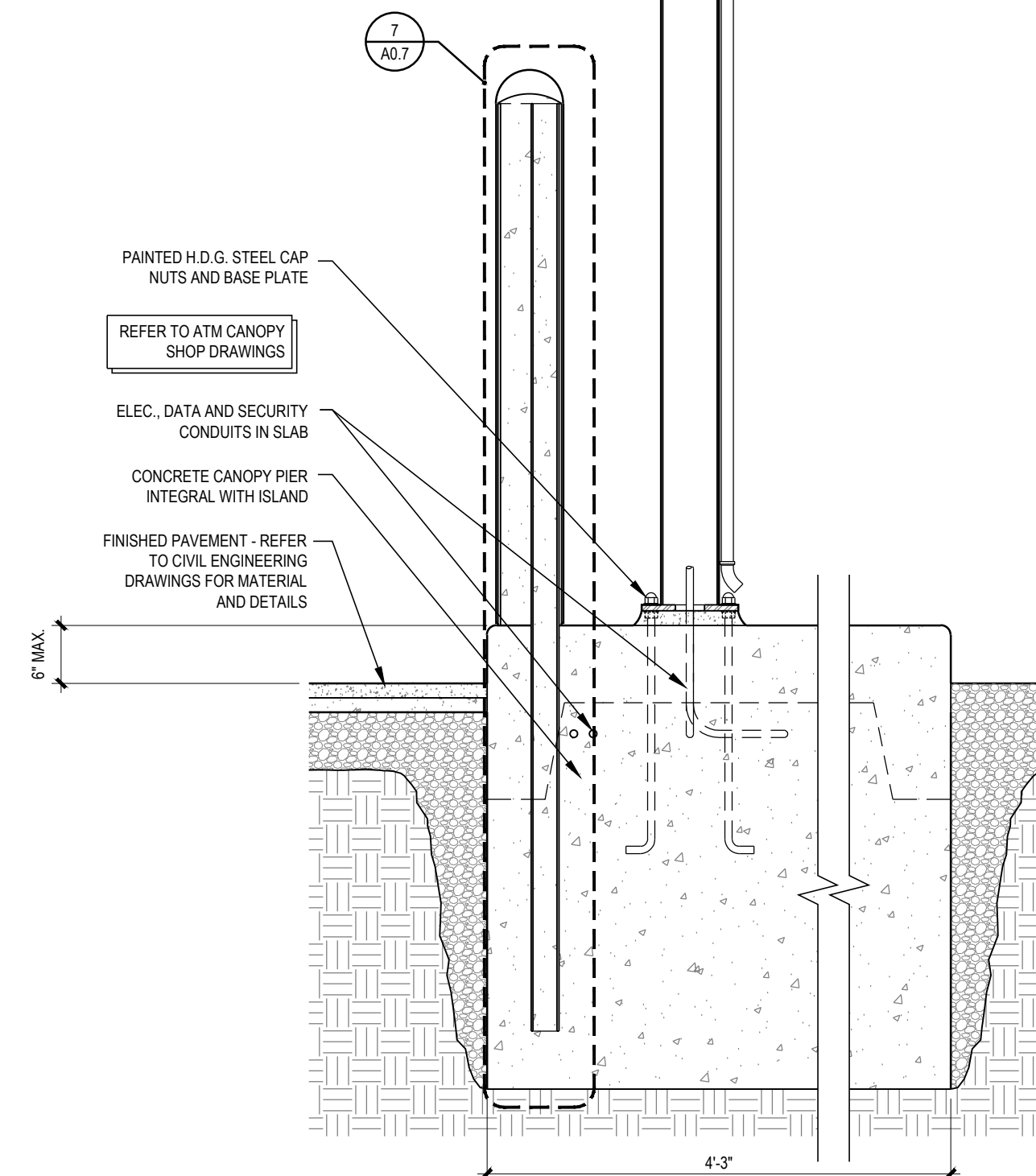
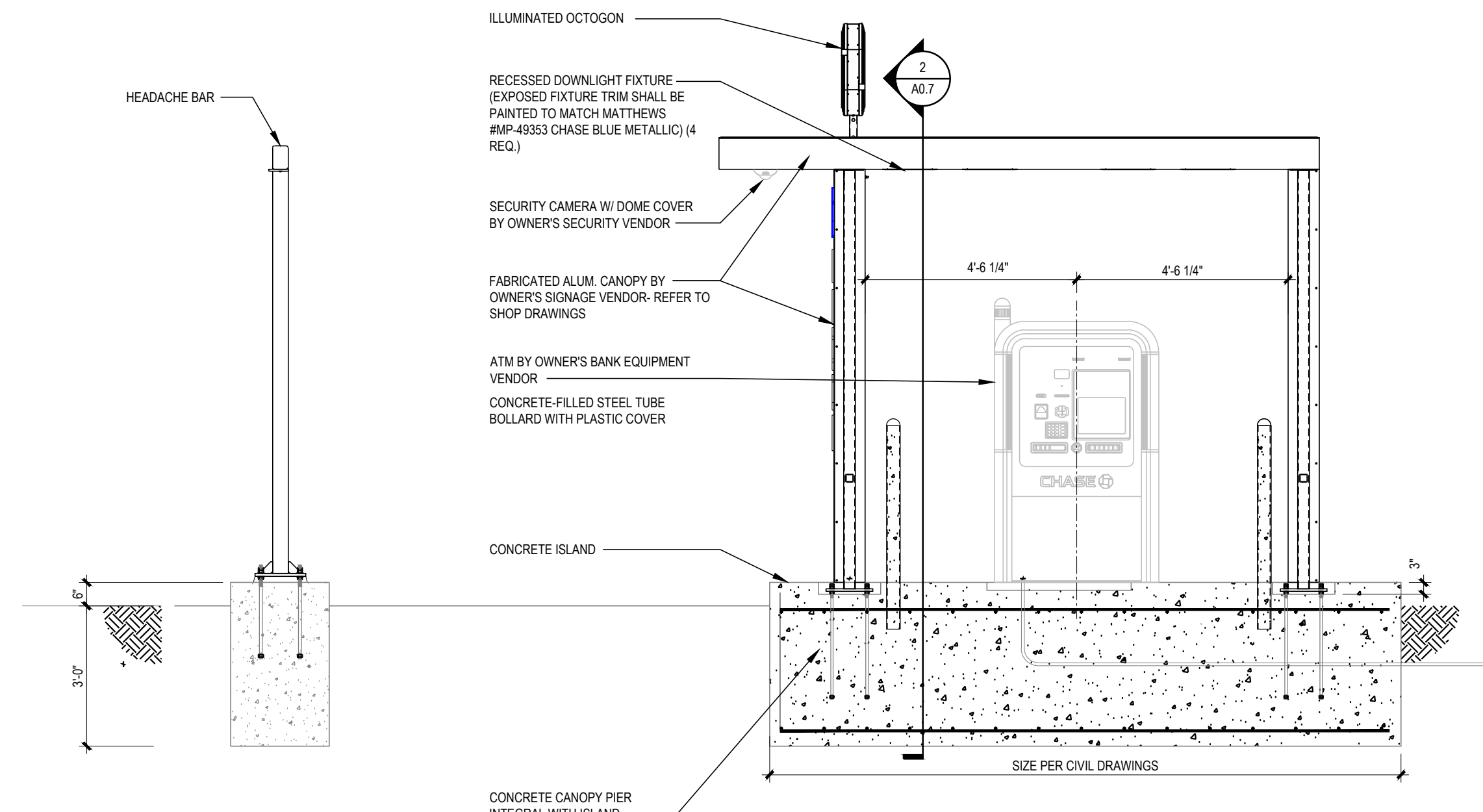
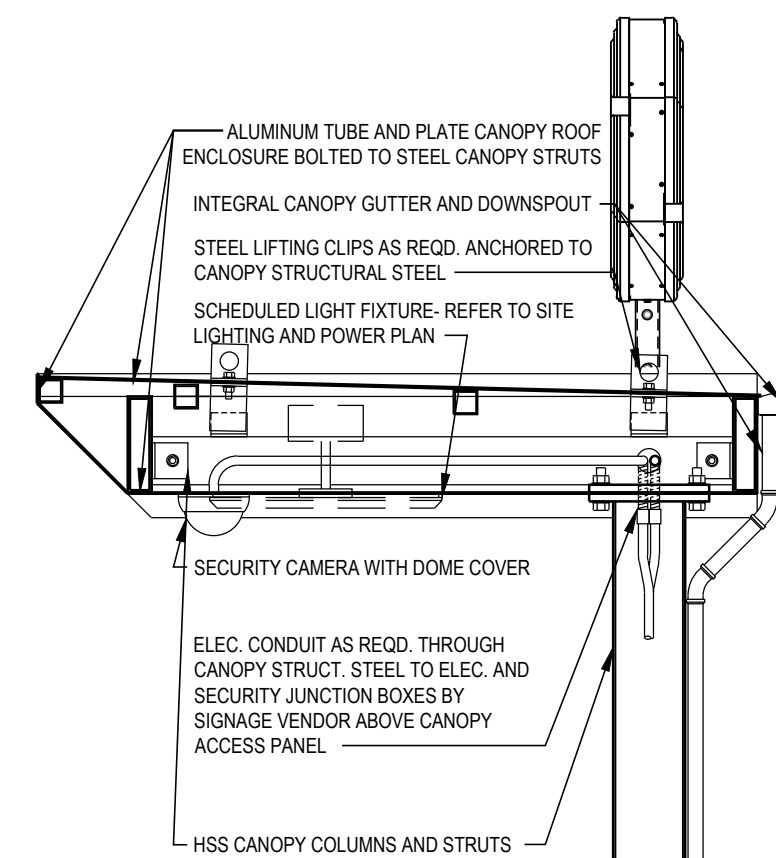
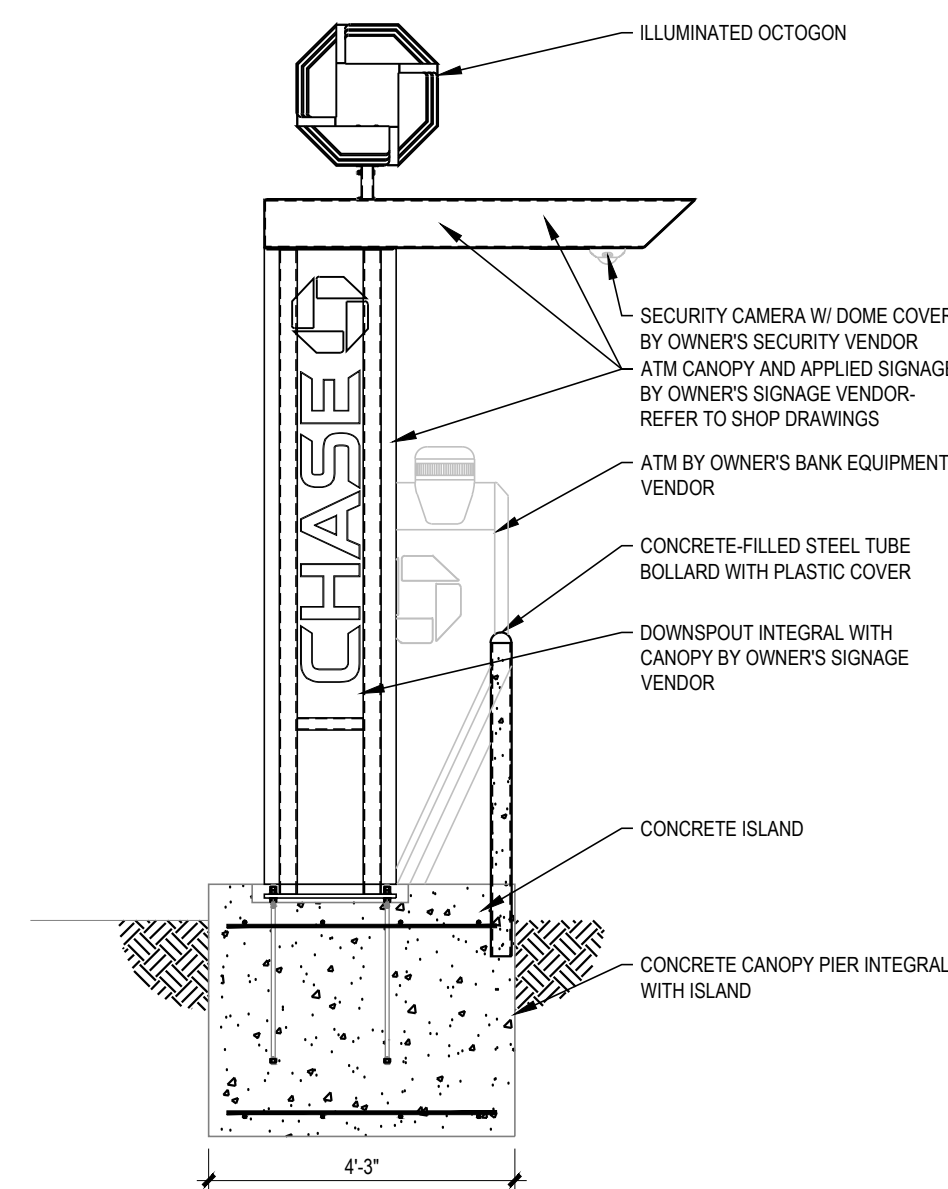
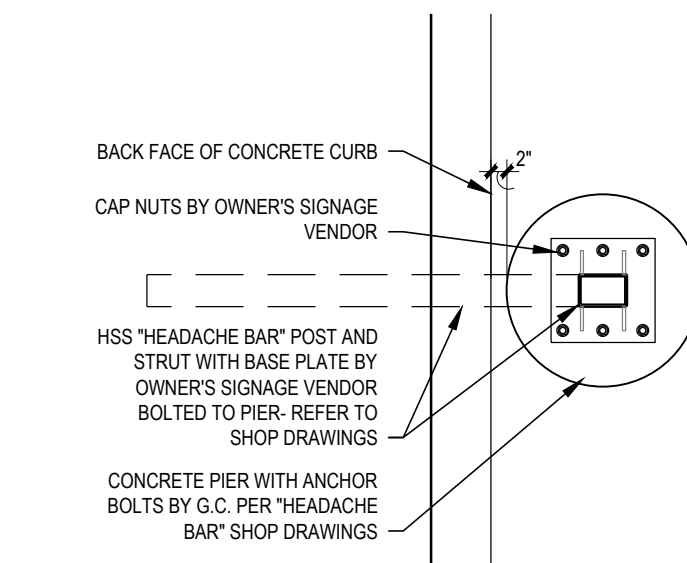
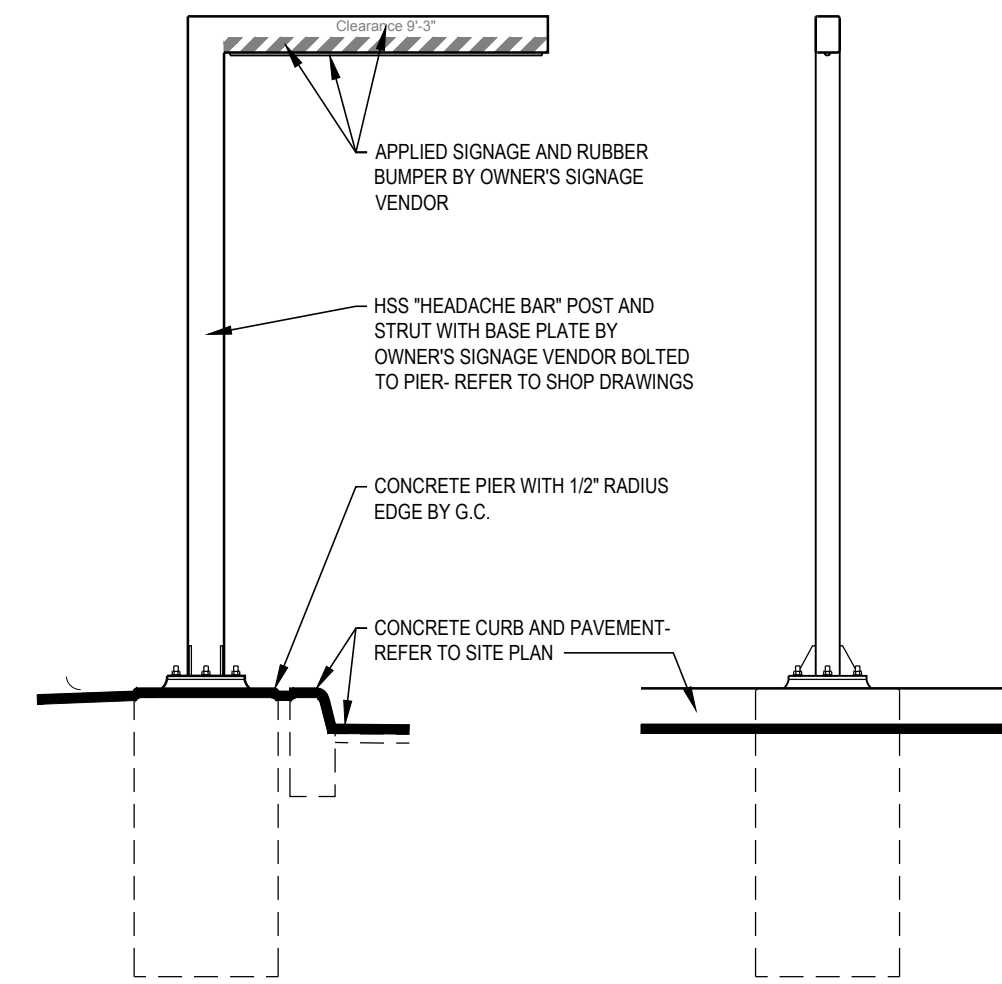
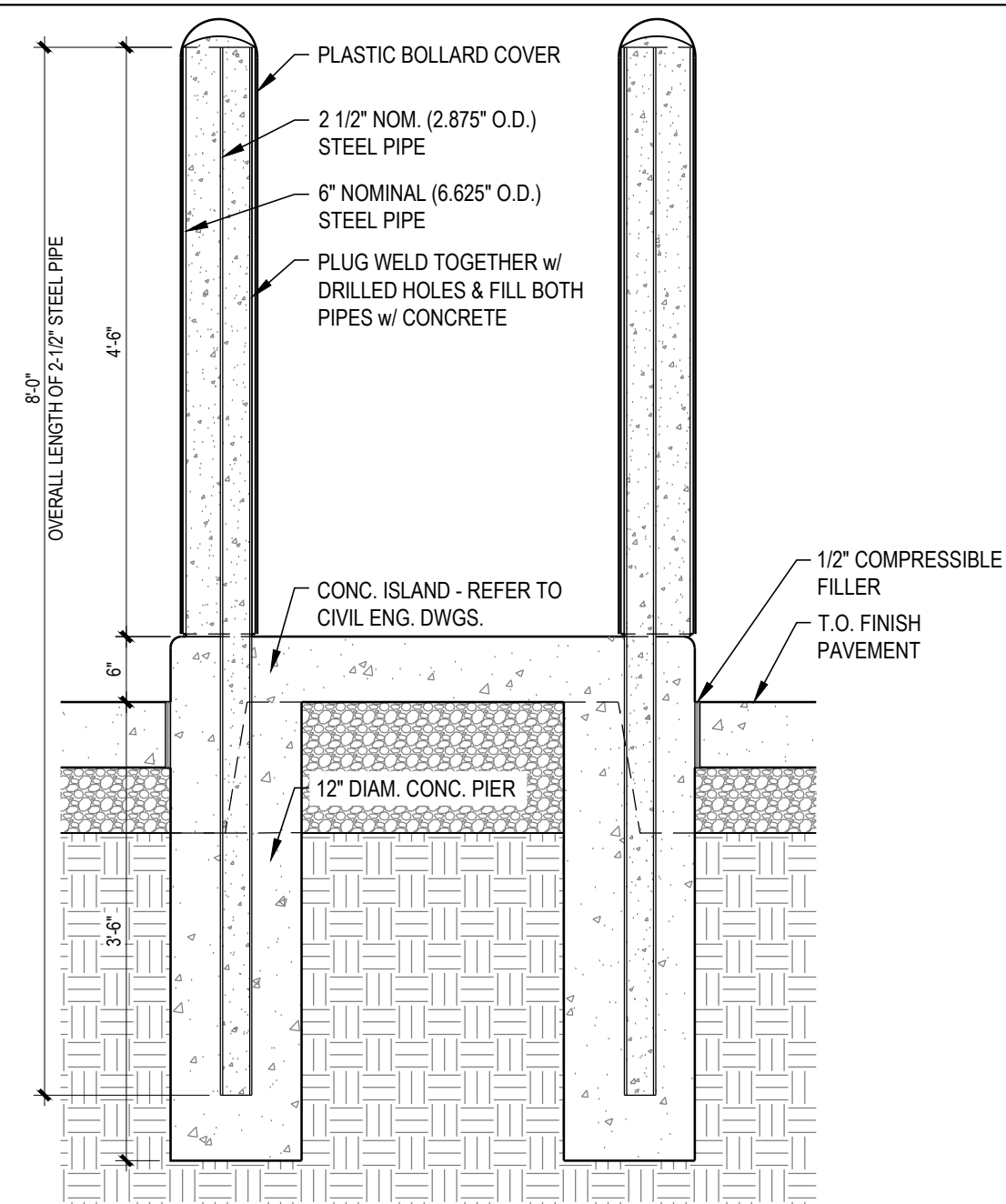
1  
A0.6

TRASH ENCLOSURE - PLAN

3/8" = 1'-0"







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08/13/2021**

**CHASE** 

**JUP MORGAN CHASE, N.A.**  
**HWY 291 & NE LANGSFORD RD**  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP#38200P366999

**CORE STATES**



**GROUP**  
CORESTATES, INC.

6500 Chippewa Street Suite 200

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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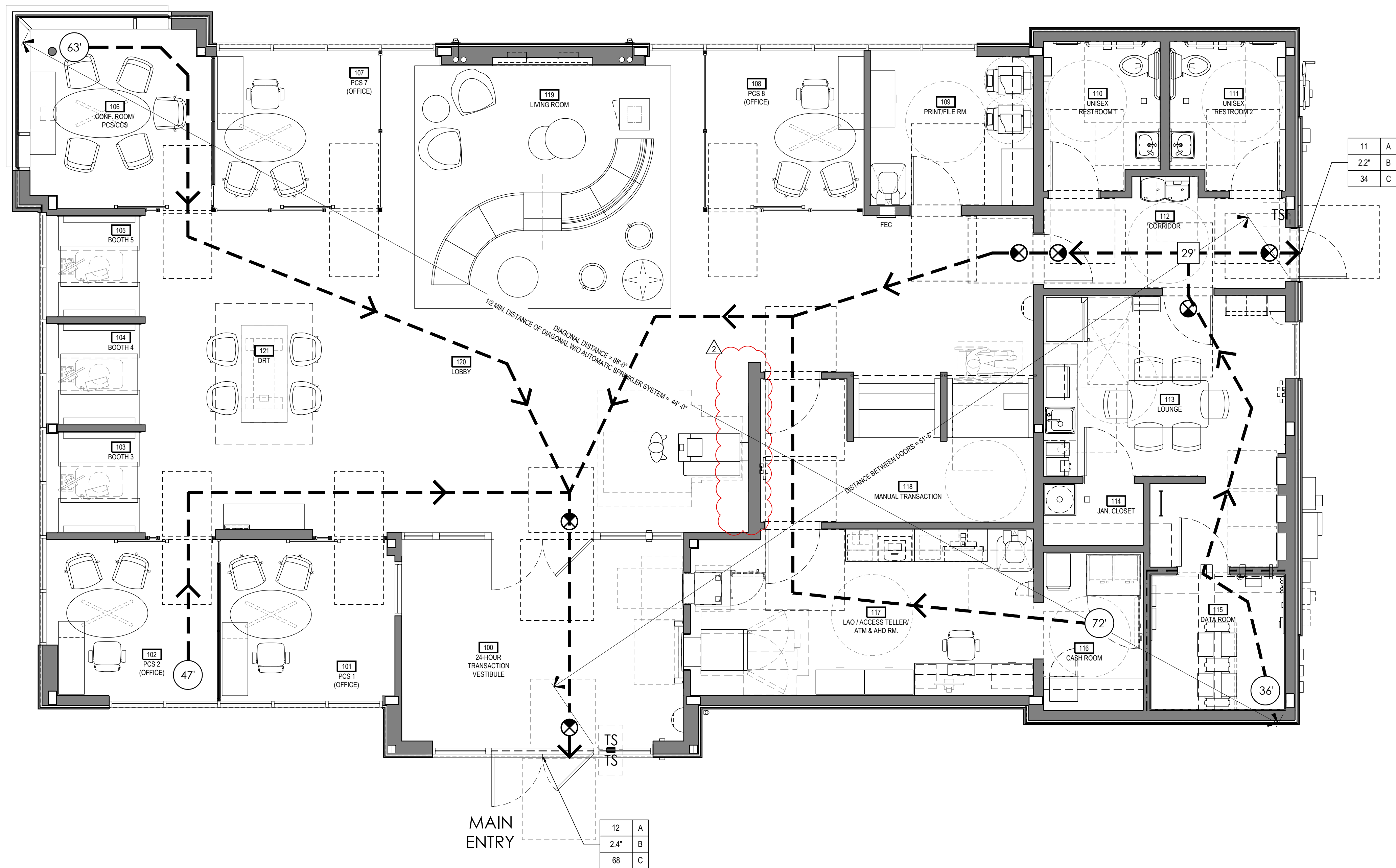
## DRIVE-UP ISLAND & REMOTE SIGNATURE CANOPY DETAILS

SHEET NUMBER

A0.7



P:\J.P. Morgan Chase Lees Summit\JPM27135.00\NAMEPS\_Drawings\A1.1\JP\_MW 291 and NE Langford Rd\_JPM Life Safety and Accessibility Plan.dwg  
Monday, December 21, 2020 1:54:51 AM



## FIRE EXSTINGUISHER LEGEND

TYPE 1 - 10 LB. DRY CHEMICAL (ABC) MP10 W/ ARCHITECTURAL SERIES

CABINET (WHERE NOTED) - 2409-6R VERTICAL DUO LAMINATED SAFETY GLASS  
ROUGH OPENING - 25" X 10-1/2" X 4" MOUNT AT 50" A.F.F. TO TOP  
OF OPENING

## ACCESSIBILITY NOTES

WHILE IT IS THE INTENT OF THE ARCHITECT, HIS EMPLOYEES, AND ASSIGNS TO ADHERE TO ALL ASPECTS AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL ACCESSIBILITY CODES, THE CONTRACTOR SHALL NOT BE RELIEVED OF SOLE RESPONSIBILITY TO VERIFY ALL REQUIREMENTS OF SAID ACTS AS PERTAINING TO CONTRACT DOCUMENT CONTAINED HEREIN PRIOR TO COMMENCEMENT OF ANY WORK. HE SHALL ALSO BE RESPONSIBLE TO IMMEDIATELY NOTIFY DESIGNER OF POSSIBLE DISCREPANCIES. HE SHALL ALSO PAY SPECIAL ATTENTION TO ITEMS LISTED BELOW:

- REFER TO A.D.1, COVER SHEET, FOR CODE SUMMARY & BUILDING DATA.
- REFER TO ARCHITECTURAL FLOOR PLANS FOR BUILDING DIMENSIONS.
- REQUIRED ACCESSIBLE PARKING AREAS, CURBS, CROSSWALKS, SIGNS, ETC. SHALL COMPLY WITH CURRENT STATE AND LOCAL CODES.
- TACTILE EXIT SIGNS SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
  - EACH GRADE LEVEL EXTERIOR DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT".
  - EACH EXIT, EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
- THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST.
- NO THRESHOLD SHALL EXCEED 1/2" IN HEIGHT.
- HAND-OPERATED DOOR OPENING HARDWARE SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST IN ORDER TO OPERATE, AND SHALL BE MOUNTED NO HIGHER THAN 48" A.F.F.
- MAXIMUM FORCE REQUIRED TO OPEN EXTERIOR DOORS SHALL NOT EXCEED 8.5 LBS. MAXIMUM FORCE REQUIRED TO OPEN INTERIOR DOORS SHALL NOT EXCEED 5 LBS.
- IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 5 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- FAUCET CONTROL AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER OPERATED, FLUSH TYPE AND ELECTRONICALLY OPERATED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF CLOSING VALVES ARE USED, THE FAUCET SHALL REMAIN OPEN FOR A MINIMUM OF 10 SECONDS.
- PROVIDE SIGNAGE WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY IN ACCORDANCE WITH ANSI A117.1. (LATEST EDITION) AND ADA REQUIREMENT.
- SIGNAGE HEIGHT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ACCESSIBILITY CODES.
- RESTROOM SIGNAGE SHALL BE MOUNTED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE RESPECTIVE RESTROOM DOOR.
- IF FIRE ALARM SYSTEMS ARE REQUIRED, REFER TO FIRE ALARM DRAWINGS FOR PULL STATIONS AND STROBE MOUNTING HEIGHTS AND LOCATIONS.
- ALL ACCESSIBLE LANDINGS SHALL NOT EXCEED THE 2% MAX SLOPE IN ALL DIRECTIONS.
- IF FIRE ALARMS ARE REQUIRED, REFER TO FIRE ALARM DRAWINGS FOR PULL STATIONS AND STROBE MOUNTING HEIGHTS AND LOCATIONS.

## EXITING REQUIREMENTS

	REQUIRED	PROVIDED
COMMON PATH OF EGRESS TRAVEL MAX	75'	29'
MINIMUM NUMBER OF EXITS	2 EXITS	2
TRAVEL DISTANCE MAX	200'	72'
DEAD END CORRIDOR	20'	0'
DIAGONAL OF BUSINESS AREA	88'-0"	88'-0"
1/2 MIN. DISTANCE OF DIAGONAL W/O AUTOMATIC SPRINKLER SYSTEM	88'-0" / 2 = 44'-0"	51'-0"

## LIFE SAFETY LEGEND

- # TOTAL LENGTH OF EXIT TRAVEL DISTANCE (FEET) FROM START POINT
- # COMMON PATH OF EGRESS TRAVEL DISTANCE (FEET) FROM START POINT
- ⊗ EXIT SIGN (SEE ELECTRICAL SHEETS)  
LOCATION OF EXIT TEXT
- EXIT TRAVEL DISTANCE (36" CLEAR WIDTH MIN.)
- FEC FIRE EXTINGUISHER CABINET
- ISA INTERNATIONAL SIGN OF ACCESSIBILITY
- ITS TACTILE "EXIT" SIGN
- ⊕ FIRE EXTINGUISHER

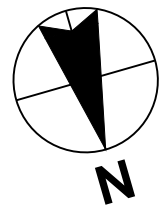
## EGRESS CAPACITY LEGEND

A	OCCUPANT LOAD AT EXIT (# OF OCCUPANTS / # DOORS)
B	REQUIRED EXIT WIDTH (0.2' x PER OCCUPANT - (INCHES))
C	PROVIDED EXIT WIDTH (INCHES)

## WALL LEGEND

- NEW WALL CONSTRUCTION
- NEW 1-HR RATED WALL CONSTRUCTION

1 LIFE SAFETY & ACCESSIBILITY PLAN  
A1.1.0 1/4" = 1'-0"



0 2 4 8 FT

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4005 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

LIFE SAFETY &  
ACCESSIBILITY PLAN

SHEET NUMBER

A1.1.0



GENERAL FLOOR PLAN NOTES

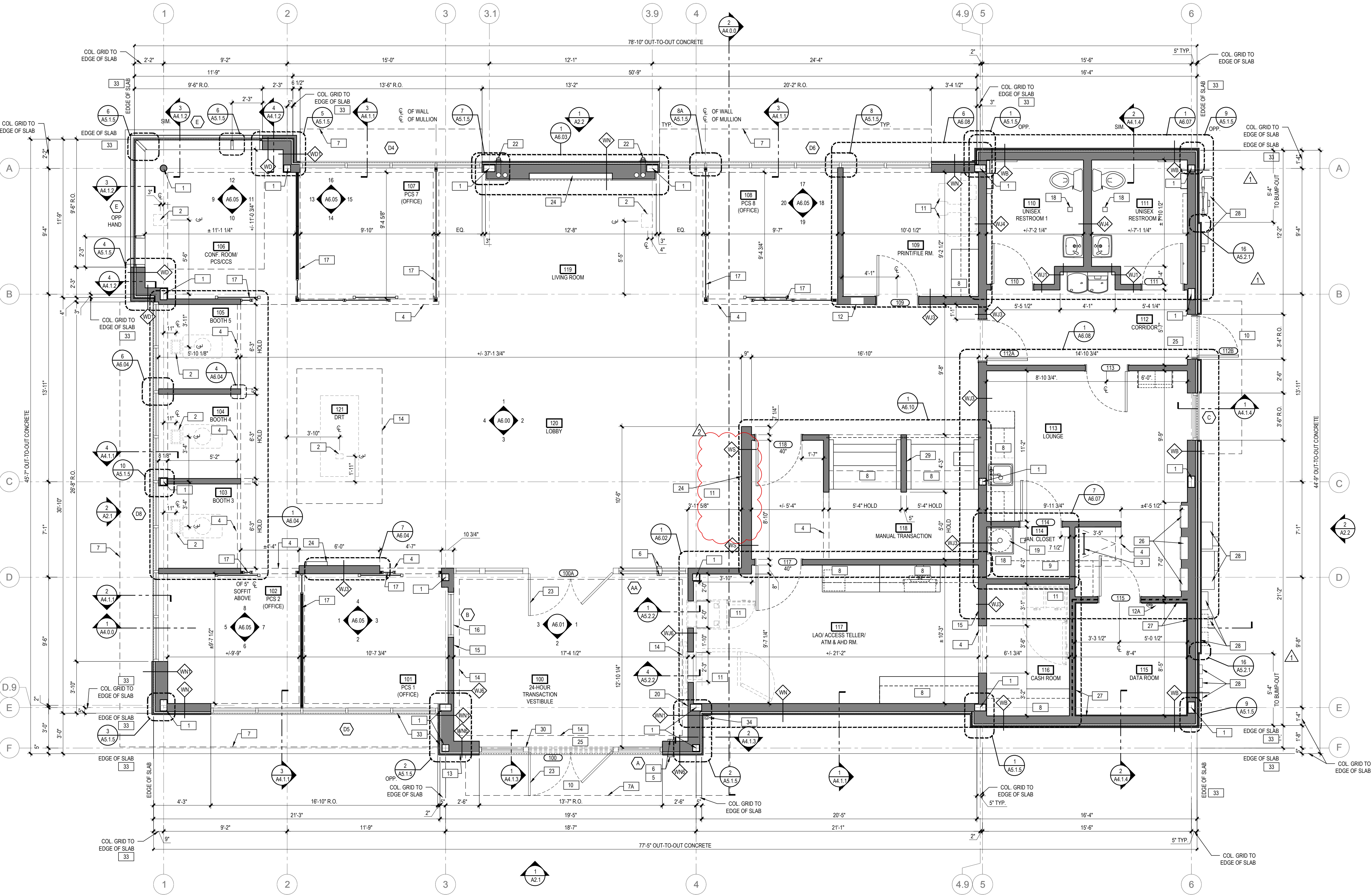
- A ALL INTERIOR WALL PARTITIONS TO BE "W.F.U.N.O." (SEE SHEET A3.1.0 FOR ADDITIONAL INFORMATION).
- B ALL DOOR FRAMES TO HAVE 4" RETURN ON HINGE SIDE U.N.O.
- C NOT ALL KEYNOTES MAY BE USED. REFER TO DRAWING.
- D ALL EXTERIOR SHEATHING SHALL BE DENSGLASS.

FLOOR PLAN KEYNOTES

- 1 STRUCTURAL COLUMN: COORDINATE WITH STRUCTURAL ENGINEERING DRAWINGS
- 2 POWER DATA FLOOR BOX: REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE LOCATIONS WITH STRUCTURAL DRAWINGS.
- 3 ROOF ACCESS LADDER & SCUTTLE: REFER TO ROOF PLAN AND DETAIL AS NOTED
- 4 SOFFIT / BULKHEAD ABOVE: REFER TO REFLECTED CEILING PLANS, SECTIONS, DETAILS AND INTERIOR ELEVATIONS. PROVIDE DEFLECTION TRACK AT UNDERSIDE OF ROOF / FLOOR STRUCTURE ABOVE TO ALLOW BULKHEAD TO REST ON DEMOUNTABLE PARTITION SYSTEM BELOW.
- 5 CARD READER: REFER TO EXTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 6 AUTOMATIC DOOR OPERATOR SYSTEM: REFER TO ELEVATIONS AND DOOR SCHEDULE.
- 7 SUNSHADE SYSTEM: KAWNEER SUNSHADE.
- 7A ENTRANCE CANOPY: MAPES SUPER LUMIDECK CANOPY SYSTEM SHOP. FABRICATED PRE-FINISHED CUSTOM ALUMINUM CANOPY UNIT WITH INTEGRAL ELECTRICAL AND DRAINAGE SYSTEMS FASTENED TO BUILDING STRUCTURE. REFER TO ELEVATIONS AND WALL SECTIONS.
- 8 CUSTOM SHOP-FABRICATED BUILT-IN MILLWORK: REFER TO INTERIOR ELEVATIONS - SUBMIT SHOP DRAWINGS AND FINISH SAMPLES TO ARCHITECT FOR APPROVAL.
- 9 ADJUSTABLE SHELVES: REFER TO INTERIOR ELEVATIONS. PROVIDE BLOCKING IN WALL AS REQUIRED
- 10 CONCRETE STOOP: ACCESSIBILITY-COMPLIANT CONTINUOUS PAVING TO PUBLIC R.O.W. REQ. FROM ALL EXITS
- 11 EQUIPMENT/APPLIANCE: REFER TO EQUIPMENT INSTALLATION MANUAL - COORDINATE WITH EQUIPMENT INSTALLER - PROVIDE ELECTRICAL, DATA, AND SECURITY ROUGH-IN WORK AS REQUIRED - FRAME WALL OPENING AND PREPARE FLOOR SUBSTRATE AS REQUIRED. PROVIDE BLOCKING IN WALL AS REQUIRED.
- 12 FIRE EXTINGUISHER AND CABINET: PROVIDE THE MINIMUM NUMBER REQUIRED AND COORDINATE FINAL LOCATIONS WITH LOCAL FIRE MARSHALL. PROVIDE ADJACENT ACCESSIBILITY CLEARANCES
- 12A WALL-MOUNT FIRE EXTINGUISHER: CARBON DIOXIDE ONLY / WATER OR DRY CHEMICAL TYPES NOT PERMITTED, CLASS C OR B-C, 5 LB. OR SMALLER. SET WALL BRACKET TO KEEP HANDLE <48" A.F.F.
- 13 KNOX BOX: MOUNTED 60" A.F.F. FLUSH WITH SURROUNDING WALL SURFACE. VERIFY LOCATION WITH LOCAL FIRE MARSHALL TO ENSURE COMPLIANCE. PAINT TO BLEND WITH SURROUNDING WALL FINISH.
- 14 CEILING LIGHT FIXTURE COVE: REFER TO REFLECTED CEILING PLAN
- 15 RECESSED ATM KEY BOX MOUNTED AT 36" A.F.F.
- 16 STOREFRONT GLAZING SYSTEM INTERIOR PARTITION - REFER TO INTERIOR ELEVATIONS
- 17 DEMOUNTABLE PARTITION SYSTEM WITH INTEGRAL DOORS AND POWER, DATA AND SECURITY CONDUIT SYSTEMS, ANCHORED TO BUILDING WALLS, SUBFLOOR, AND BULKHEADS
- 18 FLOOR DRAIN: REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 19 MOP SINK: REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 20 INSTALL SECURITY MESH ABOVE CEILING TO STRUCTURAL DECK TO SECURE TRANSACTION VESTIBULE.
- 21 NOT USED
- 22 SPANDREL GLASS: OPAC-COAT #3-0770 WARM GREY (FOR USE WITH PPG). SEE SPECIFICATIONS.
- 22 THROUGH WALL ROOF DRAIN: REFER TO PLUMBING DRAWINGS.
- 23 ACTIVE DOOR LEAF FOR AUTOMATIC DOOR OPERATOR.
- 24 AUDIO/VIDEO EQUIPMENT: REFER TO SHEET A1.1.4 FOR SOLUTION TYPE AND ADDITIONAL INFORMATION.
- 25 EXIT ALARM POWER SUPPLY: INSTALLED ABOVE FINISH CEILING OVER ALARMED EGRESS DOORS - REFER TO ELECTRICAL DRAWINGS.
- 26 ELECTRICAL PANELS: LOCKING ENCLOSURES FOR ELECTRICAL MAIN SERVICE AND DISTRIBUTION
- 27 PROVIDE PAINTED F.T. PLYWOOD TO 8' A.F.F. AT ALL DATA ROOM WALLS.
- 28 UTILITY EQUIPMENT: REFER TO EXTERIOR ELEVATIONS, SITE PLAN, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 29 G.C. TO INSTALL PLASTIC GROMMET AND PVC CONDUIT AT MANUAL TRANSACTION STATION. REFER TO SHEET A6.10 FOR ADDITIONAL INFORMATION.
- 30 G.C. TO PULL CONDUIT FOR SECURITY CAMERA IN MULLION.
- 31 NOT USED
- 32 NOT USED
- 33 EDGE OF SLAB SHOWN FOR CLARITY WITH HIDDEN LINE. REFER TO STR DWGS FOR ADDITIONAL INFORMATION.
- 34 DOWNSPOUT: REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

WALL LEGEND

NEW WALL CONSTRUCTION



1 CONSTRUCTION FLOOR PLAN  
A1.1.1 1/4" = 1'-0"

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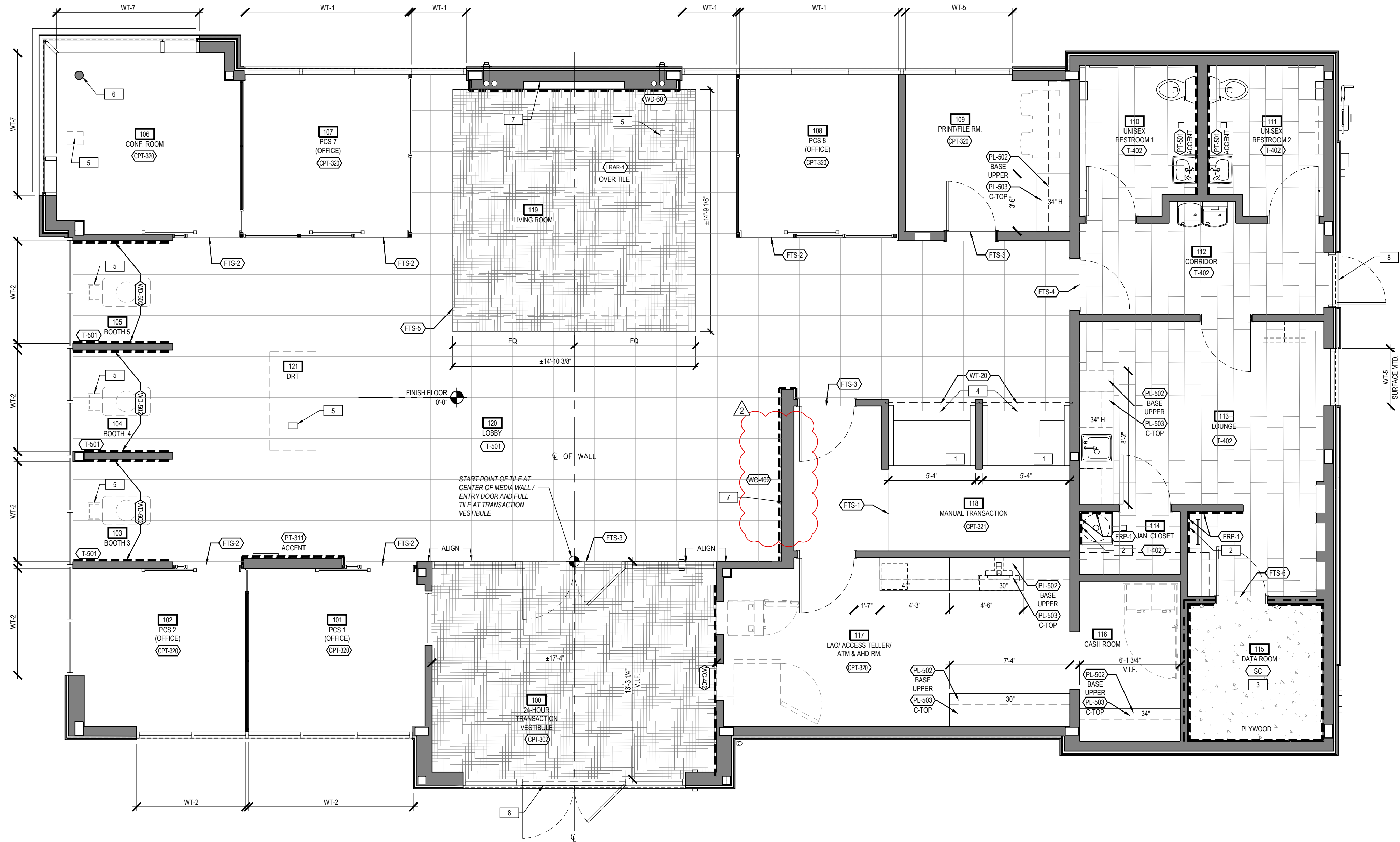
CONSTRUCTION  
FLOOR PLAN

SHEET NUMBER

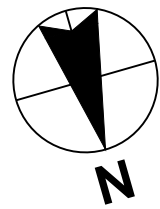
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1  
A1.13 FINISH PLAN  
1/4" = 1'-0"



## GENERAL FINISH NOTES

- REFER TO SHEET A0.1 FOR FLAME SPREAD REQUIREMENTS.
- REFER TO SHEET A3.3.1 FOR INTERIOR FINISH AND FLOOR TRANSITION SCHEDULES.
- RUGS ARE SECURED WITH A DOUBLE SIDED STICKY MESH, TACTILES, AND OPTITAPE TO SECURE TRANSITION EDGING TO THE FLOOR. TRANSITION EDGING TO BE SECURED ON THE OUTSIDE PERIMETER OF THE CARPET TILE BORDER.
- AREA RUG TO BE INSTALLED ASHLAR. TRIM EXCESS PIECES AS NECESSARY.
- REFER TO INTERIOR ELEVATIONS, FLOOR PLANS, FINISH PLANS AND REFLECTED CEILING PLANS - DRAWINGS NOTES SUPERCEDE SCHEDULES.
- ALL WALLS TO BE PAINTED PT-500, U.N.O.
- PAINT FACES AND BOTTOMS OF GYPSUM BOARD BULKHEADS TO MATCH ADJACENT WALLS UNLESS NOTED OTHERWISE.
- PAINT ALL DOORS AND FRAMES TO MATCH ADJACENT WALL COLOR IN SATIN FINISH, U.N.O., SANDING WD DOORS BETWEEN COATS.
- PAINT INTERIOR DIFFUSERS, REGISTERS, AND LOUVERS TO MATCH ADJACENT SURFACE.
- ROLLER SHADE FABRIC SELECTION VARIES BY REGION AND CLIMATE - ALL CONFERENCE ROOMS TO RECEIVE DOUBLE ROLLER SHADE WT-7.
- RESTROOM WALL TILE FINISH EXTENTS: PROVIDE ONLY IF REQUIRED BY JURISDICTIONS HAVING AUTHORITY - CONTINUOUS AT ALL WALLS REGARDLESS OF CODE REQUIREMENTS - REFER TO INTERIOR ELEVATIONS.
- WINDOW SHADE ENCLOSURES AND POCKETS: WINDOW SHADE HOUSINGS AND POCKETS INTEGRATED WITH CEILING GRID CEILING SYSTEMS - SHALL BE PROVIDED BY THE CEILING GRID MANUFACTURER AND INSTALLED BY THE CEILING SYSTEM VENDOR.  
FINISH SHALL MATCH THE CEILING GRID SURFACE-MOUNTED WINDOW SHADE HOUSING - SHALL BE PROVIDED BY THE WINDOW SHADE VENDOR.  
FINISH SHALL MATCH THE STOREFRONT GLAZING SYSTEM FINISH.
- FINISH: DARK ACCENT PAINT(S) REQUIRE LEVEL 5 FINISH.
- G.C. TO TERMINATE FLOOR TILE AT TOE KICK OF MILLWORK. G.C. TO LEAVE OUT LAST TILE ALONG MILLWORK AND INSTALL IT AFTER MILLWORK IS INSTALLED.

## FINISH PLAN KEYNOTES

- MANUAL TRANSACTION MILLWORK FURNISHED AND INSTALLED BY FURNITURE VENDOR.
- FRP FINISH EXTENTS:  
LADDER AREA: ALL WALL SURFACES BEHIND LADDER WITHIN 12" EACH SIDE OF LADDER, SIDE WALLS WITHIN 12" OF LADDER. CONT. FOR FULL HEIGHT OF ALL WALLS TO UNDERSIDE OF SCUTTLE FRAMING FINISH.  
FLOOR SINK AREA: SPLASH AREA AT EACH WALL SURFACE CONTACTING THE SINK FROM THE TOP OF THE SINK TO THE UNDERSIDE OF THE WATER HEATER SHELF ABOVE. REFER TO INTERIOR ELEVATIONS.
- 3/4" X 4'-0" X 8'-0" HIGH FIRE-RETARDANT PLYWOOD ON GYP. BOARD IN DATA ROOM (ALL WALLS) - PAINT PT-500 (RATED LABEL TO REMAIN VISIBLE).
- LAST ROW OF TILE AT TELLER LINE TO BE LEFT OUT UNTIL TELLER LINE IS INSTALLED. FINISH UP TO TELLER LINE AFTER INSTALLATION.
- FLOOR BOX - REFER TO FLOOR PLAN FOR LOCATIONS AND ELECTRICAL DRAWINGS.
- PAINT EXPOSED STEEL COLUMN PT-500.
- PAINT ALL WALLS INSIDE NICHE FOR DIGITAL DISPLAY CSG-PT-104.
- REFER TO SHEET A5.2.1 FOR EXTERIOR DOOR THRESHOLD DETAILS.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI

08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.

4000 Chipmunk Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.corestates.com

COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

## PROJECT INFORMATION

PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LASURS
VERSION:	SE_1.00

SHEET TITLE

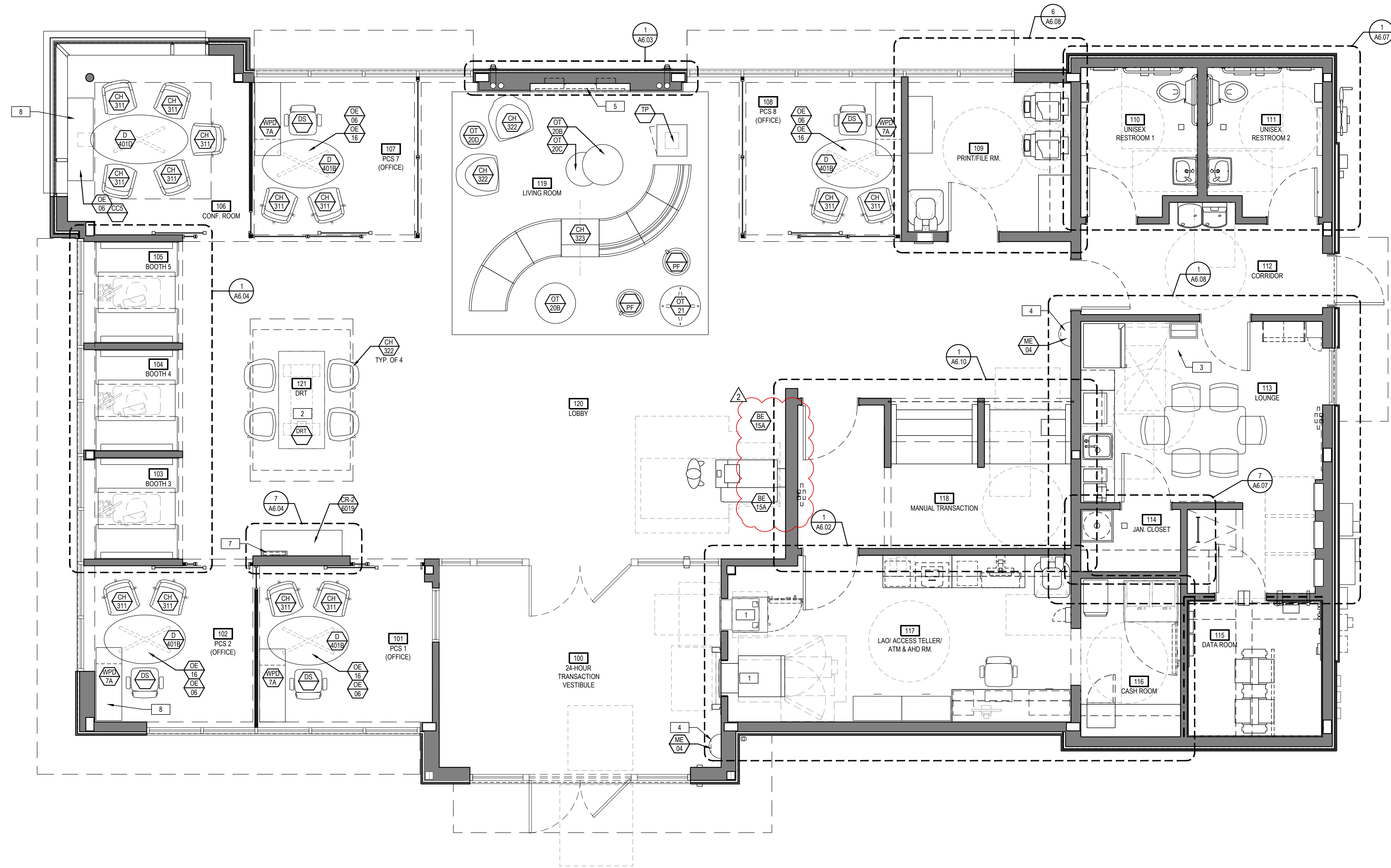
FINISH PLAN

SHEET NUMBER

A1.1.3



P:\J.P. Morgan Chase Lees Summit, MO Hwy 291 and SE Langford Rd - JPM 27135.00\AMEPS Drawings\A1.1.4 Hwy 291 and NE Langford Rd - JPM Furniture and Equipment Plan.dwg  
Monday, December 21, 2020 12:01:33 PM



GENERAL FURNITURE & EQUIPMENT NOTES	
A	GC TO COORDINATE IN FIELD BCM OFFICE LOCATION W/ BRANCH MANAGEMENT FOR LOCATION OF HOLD-UP BUTTON.
B	WALL MOUNTED DISPLAYS/ SOLUTIONS: REFER TO A6 SERIES SHEETS FOR INTERIOR ELEVATIONS & A3.4.5, A6.03 & A6.04 FOR MOUNTING HEIGHTS & NICHE CONSTRUCTION DETAILS (WHERE SHOWN).

FURNITURE & EQUIPMENT KEYNOTES	
1	ALL FLOOR-MOUNTED BANK EQUIPMENT WITH 24/7 ACCESS REQUIRES FLOOR SLAB ANCHORS - REFER TO EQUIPMENT INSTALLATION MANUAL.
2	DRTs ARE NOT REQUIRED TO BE CAPTURED BY A SECURITY CAMERA.
3	TRASH RECEPTACLE BY BRANCH PLANNING
4	TRASH RECEPTACLE BY G.C.
5	SOLUTION #3 (75") - WALL MOUNTED DISPLAY MONITOR; SEE GENERAL FURNITURE & EQUIPMENT NOTES.
6	NOT USED
7	SOLUTION #7 (32") - WALL MOUNTED DISPLAY MONITOR; SEE GENERAL FURNITURE & EQUIPMENT NOTES.
8	PROVIDE FINISHED BACK PANEL FOR NOTED FURNITURE

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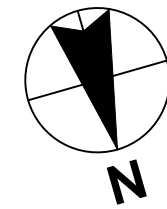
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FURNITURE & EQUIPMENT PLAN

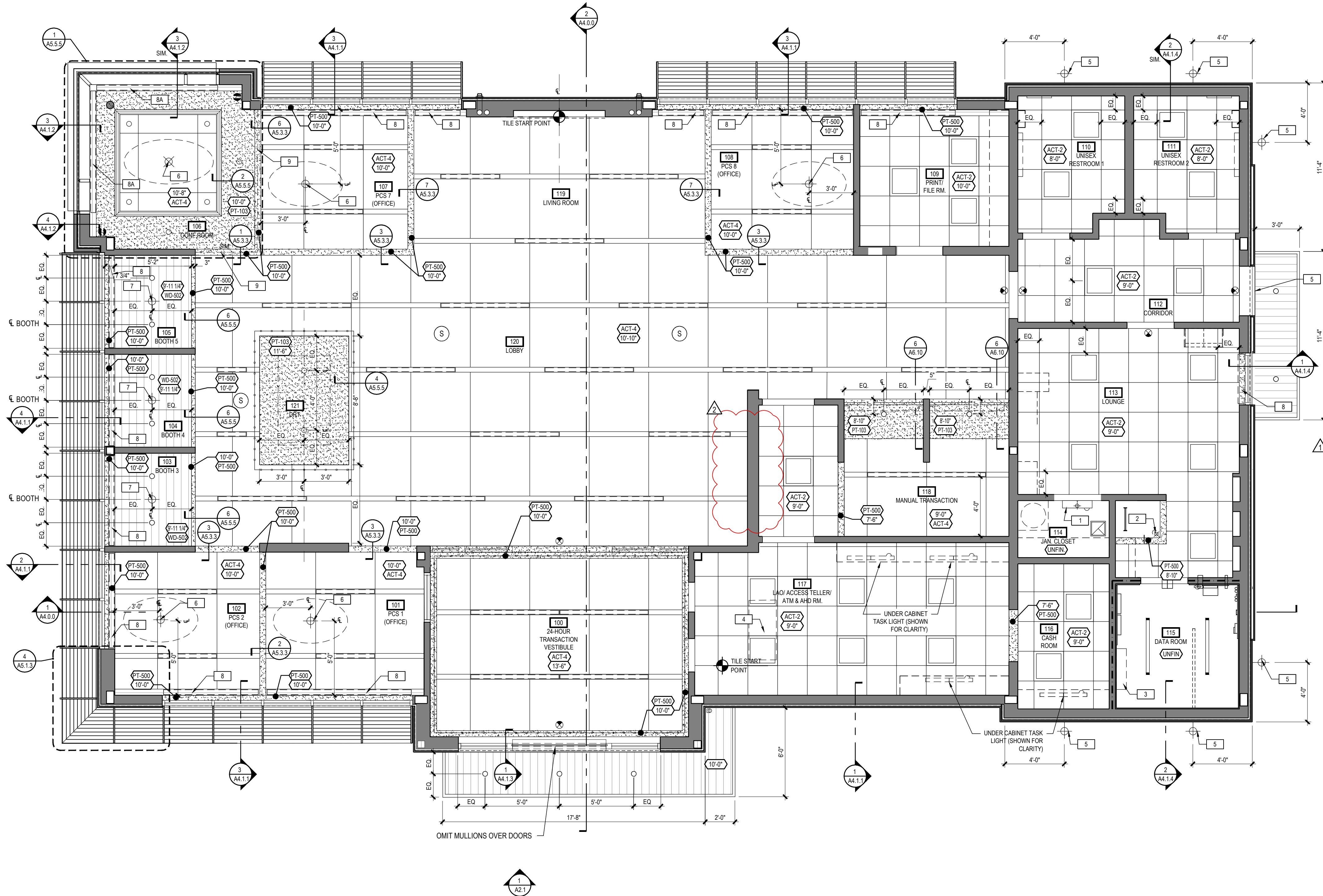
SHEET NUMBER

A1.1.4

1 FURNITURE & EQUIPMENT PLAN  
A1.1.4 1/4" = 1'-0"







GENERAL RCP NOTES

- A. ALL CEILING FIXTURES TO BE CENTERED ON CEILING TILE UNLESS SHOWN & NOTED OTHERWISE.
- B. ACOUSTIC CEILING TILE TO BE CENTERED ON SPACE UNLESS SHOWN & NOTED OTHERWISE.
- C. ACOUSTIC CEILING TILE GRID; SEE SHEET A5.5.4 FOR DETAILS.

RCP KEYNOTES

- 1 WALL LIGHT OVER DOOR - REFER TO ELECTRICAL DRAWINGS.
- 2 WALL LIGHT IN LADDER CHASE - REFER TO ELECTRICAL DRAWINGS.
- 3 WALL MOUNT HVAC UNIT - REFER TO MECHANICAL DRAWINGS.
- 4 VESTIBULE HVAC UNIT ABOVE CEILING - REFER TO MECHANICAL DRAWINGS.
- 5 EXTERIOR WALL MOUNTED LIGHT - REFER TO ELECTRICAL DRAWINGS AND SHEETS A2.1.0 AND A2.2.0 FOR LOCATION.
- 6 OFFICE/ CONFERENCE ROOM PENDANT TO BE CENTERED ON DESK/TABLE BELOW. VERIFY DIMENSIONS SHOWN ON PLANS W/ FURNITURE PLANS. COORDINATE WITH ARCHITECT IF LIGHT INTERFERES WITH CEILING GRID. REFER TO ELECTRICAL PLANS FOR MORE INFORMATION. OFFICE PENDANT, INSTALLED AT 82" A.F.F. CONFERENCE PENDANT, INSTALLED AT 82" A.F.F.
- 7 BOOTH PENDANT, INSTALLED AT 68" A.F.F. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- 8 WINDOW SHADE: SEE FINISH PLAN AND FINISH SCHEDULE FOR MORE INFORMATION.
- 8A WINDOW SHADE: SURFACE MOUNTED; SEE FINISH PLAN AND FINISH SCHEDULE FOR MORE INFORMATION.
- 9 CENTER PAINT TRANSITION ABOVE PRIVACY WALL.

RCP SYMBOLS LEGEND

- WALL WASHER:  
REFER TO ELEC DWGS FOR ADDL INFO
- RECESSED DOWNLIGHT:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⊕ DECORATIVE PENDANT:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⌞ WALL MOUNT LIGHT FIXTURE:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⌞ LAY-IN LINEAR LIGHT FIXTURE:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⌞ WALL MOUNTED ACCENT LIGHT FIXTURE:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⌞ WALL MOUNT LIGHT FIXTURE AT LADDER:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⊕ EXTERIOR SCENE LIGHT:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⌞ 2' x 2' LAY-IN LIGHT FIXTURE:  
REFER TO ELEC DWG. FOR ADDL INFO
- ⊕ SUPPLY AIR DIFFUSER:  
REFER TO MECH DWGS FOR ADDL INFO
- ⊕ RETURN AIR GRILL:  
REFER TO MECH DWGS FOR ADDL INFO
- ⊕ EXHAUST FAN:  
REFER TO MECH DWGS FOR ADDL INFO
- ⊕ ILLUMINATED EXIT SIGN:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⌞ UNDER CABINET TASK LIGHT:  
REFER TO ELEC DWGS FOR ADDL INFO
- ⊕ CEILING MOUNTED SPEAKER: COORDINATE LOCATIONS W/ VENDOR
- ⌞ LED ACCENT LIGHTING:  
REFER TO ELEC DWG. FOR ADDL INFO
- 5/8" GYPSUM BOARD

1 REFLECTED CEILING PLAN  
A1.2.1 1/4" = 1'-0"

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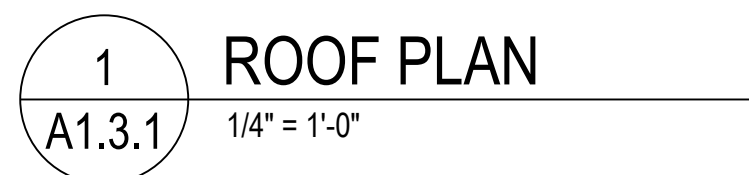
SHEET TITLE

REFLECTED  
CEILING PLAN

SHEET NUMBER

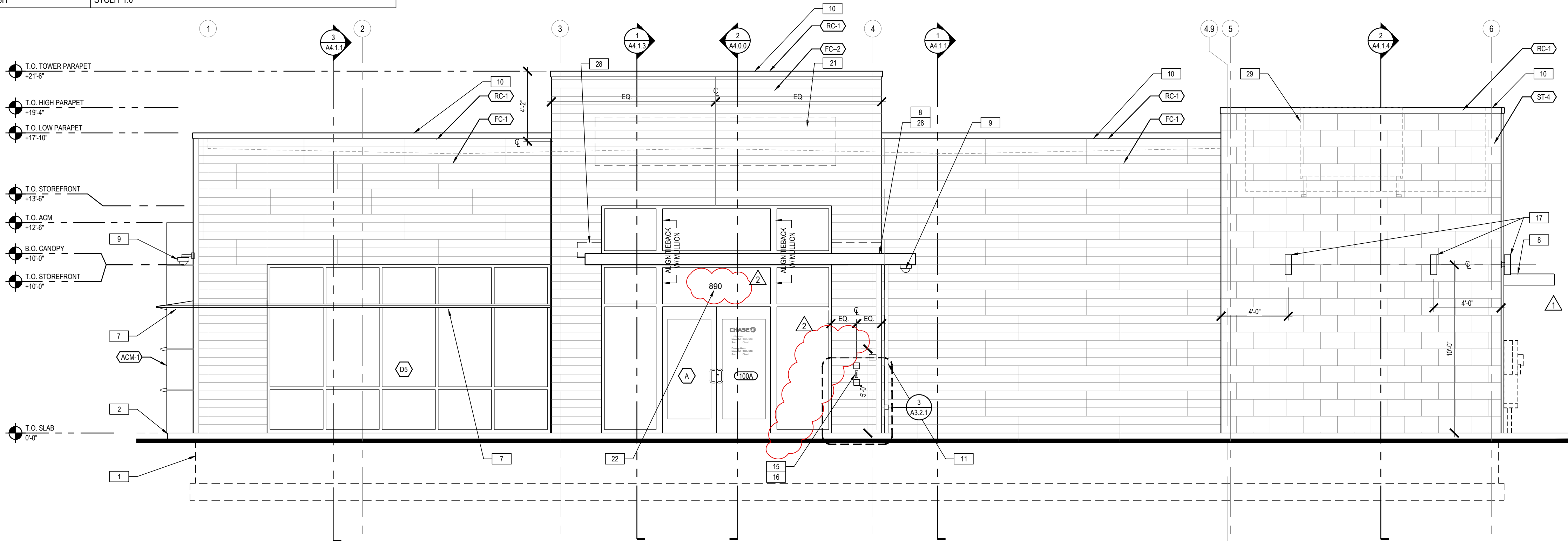
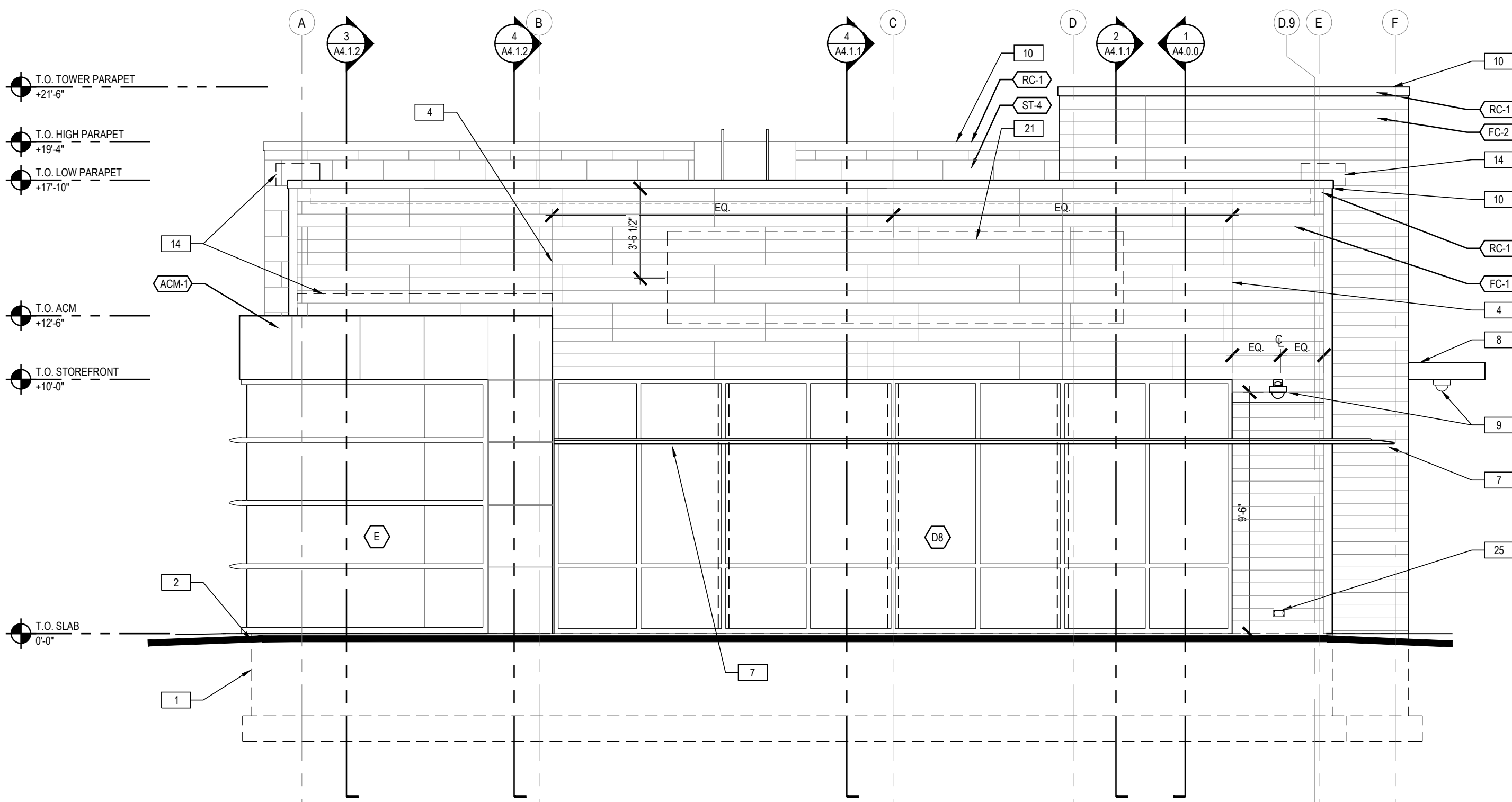
A1.2.1







EXTERIOR FINISH MATERIALS	
ST-4	<b>CAST STONE- ROCKFACE FIELD UNITS</b>
	MANUFACTURER CORONADO STONE PRODUCTS
	PRODUCT MANUFACTURED STONE VENEER
	COLOR CREAM
	FINISH CHISELED LIMESTONE
	SIZE 24" WIDE x 12" HIGH x 1" THICK
FC-1	<b>FIBER CEMENT PANEL- DARK</b>
	MANUFACTURER NICHHA FIBER CEMENT
	PRODUCT VINTAGEWOOD AWP 1818 (AVAILABLE AS AWP 3030 FOR NON-PROTOTYPICAL PROJECTS)
	COLOR BARK
	SIZE 18" NOMINAL x 72" NOMINAL AND 120" NOMINAL
	NOTES INCLUDE 3.5" MANUFACTURED CORNERS AND MANUFACTURER'S "ESSENTIAL" FLASHING SYSTEM.
FC-2	<b>FIBER CEMENT PANEL- LIGHT</b>
	MANUFACTURER NICHHA FIBER CEMENT
	PRODUCT VINTAGEWOOD AWP 3030 (AVAILABLE AS AWP 1818 FOR NON-PROTOTYPICAL PROJECTS)
	COLOR ASH
	SIZE 18" NOMINAL x 72" NOMINAL AND 120" NOMINAL
	NOTES INCLUDE 3.5" MANUFACTURED CORNERS AND MANUFACTURER'S "ESSENTIAL" FLASHING SYSTEM.
RC-1	<b>ROOF COPING</b>
	MANUFACTURER PETERSEN ALUMINUM / PAC-CLAD
	PRODUCT PAC-CONTINUOUS
ACM-1	<b>ALUMINUM COMPOSITE MATERIAL</b>
	MANUFACTURER ALCOA ARCHITECTURAL PRODUCTS
	PRODUCT REYNOBOND
	COLOR DURAGLOSS 5000 CHASE PROGRAM "CHASE SILVER"
EPT-1	<b>EXTERIOR PAINT</b>
	MANUFACTURER SHERWIN-WILLIAMS
	PRODUCT METALATEX ACRYLIC SEMI-GLOSS
	COLOR SW 7045 INTELLECTUAL GRAY
EPT-2	<b>EXTERIOR PAINT</b>
	MANUFACTURER SHERWIN-WILLIAMS
	PRODUCT METALATEX ACRYLIC SEMI-GLOSS
	COLOR SW 7036 ACCESSIBLE BEIGE
EPT-8	<b>EXTERIOR PAINT</b>
	MANUFACTURER SHERWIN-WILLIAMS
	PRODUCT METALATEX ACRYLIC SEMI-GLOSS
	COLOR SW 6995 SUPERWHITE
DFS-1	<b>DIRECT-APPLY FINISH SYSTEM (ALT. TO PAINTED STEEL DECK)</b>
	MANUFACTURER STO
	PRODUCT STOQUIK GOLD
	COLOR MATCH SHERWIN WILLIAMS SW 6995 SUPERWHITE
	FINISH STOLIT 1.0



GENERAL EXTERIOR NOTES	
A	G.C. TO VERIFY EXTERIOR COLOR & MATERIAL LOCATIONS AS SHOWN ON ELEVATION DRAWINGS WITH CHASE DESIGNER & APPROVED BRANDING PACKAGE PRIOR TO PURCHASE & INSTALLATION.

ELEVATION NOTES	
1	CONCRETE FOOTINGS / FOUNDATIONS: REFER TO STRUCTURAL DWGS.
2	CONCRETE CURB AND ISLANDS: REFER TO ARCHITECTURAL SITE PLAN AND DRIVE-UP CANOPY PLAN - SEE CIVIL DWGS FOR ADD'L INFO.
3	EMERGENCY ACCESS KEY BOX: NOT REQUIRED
4	CONTROL / EXPANSION JOINT: VERTICAL ELASTOMERIC SEALANT JOINT CONTINUOUS THROUGH MASONRY VENEER - MATCH SEALANT COLOR TO VENEER COLOR
5	LANDSCAPE IRRIGATION SYSTEM: CONTROLLER, WIRELESS NETWORK CONNECTOR, J AND DEDICATED WP POWER OUTLET. REFER TO SITE PLAN AND ELECTRICAL DRAWINGS
6	LIGHTING TIMER SYSTEM PHOTO SENSOR: REFER TO ELECTRICAL DRAWINGS
7	SUN SHADE: GLAZING SYSTEM MANUFACTURER'S STANDARD INTEGRAL SHADE ACCESSORY- REFER TO WALL SECTIONS. MATCH GLAZING SYSTEM FINISH. BASIS OF DESIGN IS KAWNEER VERSOLEIL 30" WEDGE WITH ANGULAR FASCIA AND CIRCULAR BLADES.
8	ENTRANCE CANOPY: SHOP FABRICATED SITE-ASSEMBLED PRE-FINISHED BLACK CUSTOM ALUMINUM CANOPY UNIT WITH PREPPED ELECTRICAL OPENINGS AND INTEGRAL DRAINAGE SYSTEM FASTENED TO BUILDING STRUCTURE. MAPES ARCHITECTURAL CANOPIES SUPER LUMIDECK WITH FLAT SOFFIT AND 12" FASCIA, OR APPROVED EQUAL- REFER TO ROOF PLAN AND WALL SECTIONS- INSTALLED BY G.C.
9	SECURITY CAMERA: PROVIDE CONCEALED JUNCTION BOX AND CONDUIT TO INTERIOR. REFER TO OWNER'S SECURITY CONSULTANT DRAWINGS.
10	COPING: REFER TO EXTERIOR FINISH ON THIS SHEET
11	SMALL CANOPY DOWNSPOUT / OVERFLOW: 3" DIAM. ALUMINUM DOWNSPOUT PRE-FIN. TO MATCH THE CANOPY. CONNECT TO CAST IRON DRAIN HUB AT GRADE AND EXTEND SUBSURFACE TO SITE DRAINAGE SYSTEM- REFER TO PLUMBING DWGS AND SITE PLAN.
12	SCUPPER: PAINT TO MATCH ADJACENT EXTERIOR FINISHES. REFER TO ROOF PLAN.
13	ROOF OVERFLOW DOWNSPOUT NOZZLE: REFER TO PLUMBING DRAWINGS AND PLUMBING FIXTURE SCHEDULE
14	METAL FLASHING AND COUNTERFLASHING CONCEALED BEHIND WALL FINISH AND FINISH OF EXPOSED FLASHING TO MATCH ADJACENT ROOFING/COPING
15	AUTOMATIC DOOR OPERATOR BUTTON RECESSED FLUSH WITH WALL SURFACE- DO NOT SURFACE-MOUNT.
16	KEYCARD READER RECESSED FLUSH WITH WALL SURFACE- DO NOT SURFACE-MOUNT.
17	SURFACE-MOUNT DECORATIVE LIGHT FIXTURE: REFER TO REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS
18	SURFACE-MOUNT EMERGENCY LIGHT FIXTURE: TO BE PROVIDED ONLY WHEN DOOR BELOW IS A REQUIRED OR MARKED EXIT- REFER TO REFLECTED CEILING PLAN AND LIGHT FIXTURE SCHEDULE
19	BOLLARD: CONCRETE-FILLED STEEL PIPE EMBEDDED IN CONCRETE CURB- WITH PLASTIC COVER-REFER TO SITE PLAN, DRIVE-UP CANOPY PLAN AND DETAILS- OMIT AT POSITIONS NOT ADJACENT TO VEHICULAR LANE (LANDSCAPE, WALK, ETC.)
20	BANK EQUIPMENT: FURNISHED AND INSTALLED BY BANK EQUIPMENT VENDOR- COORD. WALL OPENINGS AND ELECTRICAL / DATA REQUIREMENTS WITH OWNER-FURNISHED EQUIPMENT SHOP DRAWINGS AND PRODUCT DATA
21	SIGNAGE LOCATION: SIGNAGE BY OWNER'S SIGN VENDOR- N.I.C. - PROVIDE ROUGH ELEC. WORK AND BLOCKING IN WALL AS REQD. FOR VENDOR INSTALLATION. CONFIRM FINAL LOCATION WITH SIGN VENDOR.
22	BUILDING ADDRESS NUMBER: WHITE VINYL NUMBERS WITH 1/2" WIDE STROKE APPLIED TO INTERIOR FACE OF GLASS TRANSOM- MIN. 6" HEIGHT OR AS REQD. BY LOCAL CODE
23	GAS METER: REFER TO SITE PLAN AND PLUMBING DRAWINGS
24	FIRE DEPARTMENT CONNECTION: FIRE SUPPRESSION SYSTEM EXTERIOR CONNECTION WHERE REQD. BY LOCAL CODE ONLY- VERIFY FINAL LOCATION WITH LOCAL AUTHORITIES HAVING JURISDICTION
25	ELECTRICAL OUTLET: SET FLUSH WITH FACE OF MASONRY VENEER- PROVIDE METAL COVER COMPLIANT WITH N.E.C.
26	UTILITY EQUIPMENT: PROVIDE AND INSTALL UTILITY TERMINATION CABINETS AND METERS AS REQUIRED- COORD. WITH OWNER'S SECURITY AND TELE-DATA SERVICES- COORD. CABINET AND METER LOCATIONS WITH LOCAL JURISDICTION- REFER TO SITE PLAN
27	TELE / DATA / UTILITY CONNECTIONS: COORDINATE FINAL LOCATION WITH CIVIL ENGINEER
28	FLASHING AT PREFAB CANOPY: PRE-FINISHED ALUMINUM FLASHING TO SPAN GAP BETWEEN PREFAB CANOPY AND BUILDING- REFER TO WALL SECTIONS AND DETAILS- VERIFY FINAL FLASHING LENGTH AND CONFIGURATION WITH APPROVED CANOPY SHOP DWGS
29	MECHANICAL EQUIPMENT: VENTILATION UNIT. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
30	SIAMESE CONNECTION: FIRE SUPPRESSION SYSTEM EXTERIOR CONNECTION WHERE REQD. BY LOCAL CODE ONLY- VERIFY FINAL LOCATION WITH LOCAL AUTHORITIES HAVING JURISDICTION
31	FIRE ALARM SYSTEM BELL AND STROBE: WHERE REQUIRED BY LOCAL CODE ONLY- VERIFY FINAL LOCATION WITH LOCAL AUTHORITIES HAVING JURISDICTION

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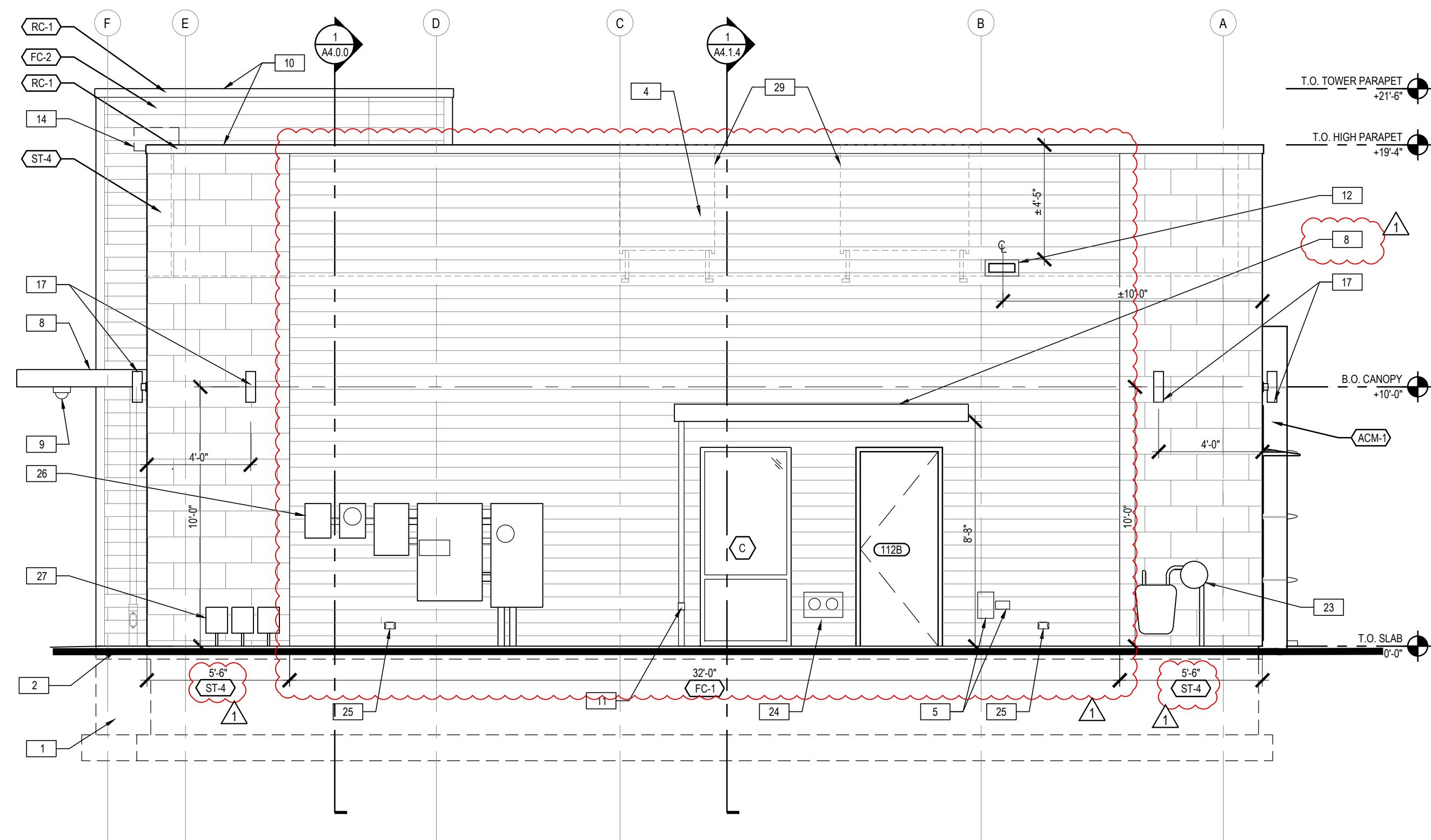
EXTERIOR  
ELEVATIONS

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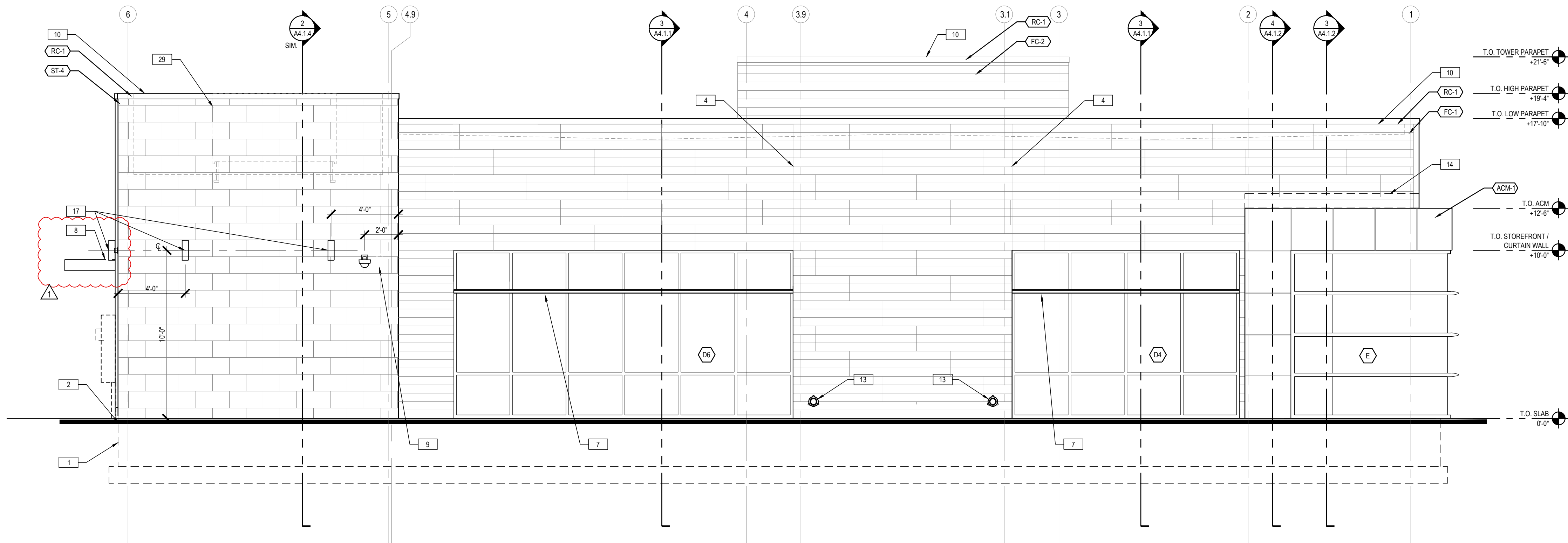
A2.1.0



EXTERIOR FINISH MATERIALS		
ST-4	CAST STONE- ROCKFACE FIELD UNITS	
	MANUFACTURER	CORONADO STONE PRODUCTS
	PRODUCT	MANUFACTURED STONE VENEER
	COLOR	CREAM
	FINISH	CHISELED LIMESTONE
	SIZE	24" WIDE x 12" HIGH x 1" THICK
	NOTES	1/4" NOMINAL JOINTS WITH FULL SMOOTH TOOLED NATURAL OFF-WHITE PORTLAND CEMENT GROUT  RUNNING BOND MANUFACTURED THIN STONE FIELD-CUT TO MAX. LENGTHS POSSIBLE WITH BUTTED AND LAPPED INSIDE AND OUTSIDE CORNERS UTILIZING MANUFACTURER'S FABRICATED RETURN CORNER PIECES- MITERED CORNERS ARE NOT ACCEPTABLE- PLACE CONTROL JOINTS AS RECOMMENDED BY THE MANUFACTURER- REFER TO WALL SECTIONS AND DETAILS
FC-1	FIBER CEMENT PANEL- DARK	
	MANUFACTURER	NICHIIHA FIBER CEMENT
	PRODUCT	VINTAGEWOOD AWP 1818 (AVAILABLE AS AWP 3030 FOR NON-PROTOTYPICAL PROJECTS)
	COLOR	BARK
	SIZE	18" NOMINAL x 72" NOMINAL AND 120" NOMINAL
FC-2	FIBER CEMENT PANEL- LIGHT	
	MANUFACTURER	NICHIIHA FIBER CEMENT
	PRODUCT	VINTAGEWOOD AWP 3030 (AVAILABLE AS AWP 1818 FOR NON-PROTOTYPICAL PROJECTS)
	COLOR	ASH
	SIZE	18" NOMINAL x 72" NOMINAL AND 120" NOMINAL
RC-1	ROOF COPING	
	MANUFACTURER	PETERSEN ALUMINUM / PAC-CLAD
	PRODUCT	PAC-CONTINUOUS
	COLOR	AGED BRONZE
ACM-1	ALUMINUM COMPOSITE MATERIAL	
	MANUFACTURER	ALCOA ARCHITECTURAL PRODUCTS
	PRODUCT	REYNOBOND
EPT-1	ALUMINUM COMPOSITE MATERIAL	
	MANUFACTURER	ALCOA ARCHITECTURAL PRODUCTS
	PRODUCT	REYNOBOND
	COLOR	DURAGLOSS 5000 CHASE PROGRAM "CHASE SILVER"
	FINISH	
EPT-2	EXTERIOR PAINT	
	MANUFACTURER	SHERWIN-WILLIAMS
	PRODUCT	METALATEX ACRYLIC SEMI-GLOSS
	COLOR	SW 7045 INTELLECTUAL GRAY
	FINISH	SEMI-GLOSS
EPT-3	EXTERIOR PAINT	
	MANUFACTURER	SHERWIN-WILLIAMS
	PRODUCT	METALATEX ACRYLIC SEMI-GLOSS
	COLOR	SW 7036 ACCESSIBLE BEIGE
	FINISH	SEMI-GLOSS
EPT-4	EXTERIOR PAINT	
	MANUFACTURER	SHERWIN-WILLIAMS
	PRODUCT	METALATEX ACRYLIC SEMI-GLOSS
	COLOR	SW 6995 SUPERWHITE
	FINISH	SEMI-GLOSS
DFS-1	DIRECT-APPLY FINISH SYSTEM (ALT. TO PAINTED STEEL DECK)	
	MANUFACTURER	STO
	PRODUCT	STOQUIK GOLD
	COLOR	MATCH SHERWIN WILLIAMS SW 6995 SUPERWHITE
	FINISH	STOLIT 1.0



2 B.O.H. END ELEVATION  
A2.2 1/4" = 1'-0"



1 REAR ELEVATION  
A2.2 1/4" = 1'-0"

## GENERAL EXTERIOR NOTES

A	G.C. TO VERIFY EXTERIOR COLOR & MATERIAL LOCATIONS AS SHOWN ON ELEVATION DRAWINGS WITH CHASE DESIGNER & APPROVED BRANDING PACKAGE PRIOR TO PURCHASE & INSTALLATION.
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### ELEVATION NOTES

- |    |  |
|----|--|
| 1  | CONCRETE FOOTINGS / FOUNDATIONS:<br>REFER TO STRUCTURAL DWGS.  |
| 2  | CONCRETE CURB AND ISLANDS:<br>REFER TO ARCHITECTURAL SITE PLAN AND DRIVE-UP<br>CANOPY PLAN. - SEE CIVIL DWGS FOR ADD'L INFO.   |
| 3  | EMERGENCY ACCESS KEY BOX:<br>WHERE REQUIRED BY LOCAL CODE ONLY.<br>RECESS-MOUNT IN WALL CONSTRUCTION AS REQ'D. TO<br>SET FACE FLUSH WITH ADJACENT WALL FINISH- VERIFY<br>FINAL LOCATION WITH AUTHORITIES HAVING<br>JURISDICTION  |
| 4  | CONTROL / EXPANSION JOINT:<br>VERTICAL ELASTOMERIC SEALANT JOINT CONTINUOUS<br>THROUGH MASONRY VENEER - MATCH SEALANT COLOR<br>TO VENEER COLOR   |
| 5  | LANDSCAPE IRRIGATION SYSTEM:<br>CONTROLLER, WIRELESS NETWORK CONNECTOR, AND<br>DEDICATED WP POWER OUTLET. REFER TO SITE PLAN<br>AND ELECTRICAL DRAWINGS  |
| 6  | LIGHTING TIMER SYSTEM PHOTO SENSOR:<br>REFER TO ELECTRICAL DRAWINGS  |
| 7  | SUN SHADE:<br>GLAZING SYSTEM MANUFACTURER'S STANDARD INTEGRAL<br>SHADE ACCESSORY- REFER TO WALL SECTIONS. MATCH<br>GLAZING SYSTEM FINISH. BASIS OF DESIGN IS KAWNEER<br>VERSOLEIL 30" WEDGE WITH ANGULAR FASCIA AND<br>CIRCULAR BLADES.  |
| 8  | ENTRANCE CANOPY:<br>SPR FABRICATED SITE-ASSEMBLED PRE-FINISHED<br>BLACK CUSTOM ALUMINUM CANOPY UNIT WITH PREPPED<br>ELECTRICAL OPENINGS AND INTEGRAL DRAINAGE<br>SYSTEM FASTENED TO BUILDING STRUCTURE. MAPES<br>ARCHITECTURAL CANOPIES SUPER LUMIDECK WITH FLAT<br>SOFFIT AND 12" FASCIA, OR APPROVED EQUAL- REFER<br>TO ROOF PLAN AND WALL SECTIONS- INSTALLED BY G.C. |
| 9  | SECURITY CAMERA:<br>PROVIDE CONCEALED JUNCTION BOX AND CONDUIT TO<br>INTERIOR; REFER TO OWNER'S SECURITY CONSULTANT<br>DRAWINGS.   |
| 10 | COPING:<br>REFER TO EXTERIOR FINISH ON THIS SHEET  |
| 11 | SMALL CANOPY DOWNSPOUT / OVERFLOW:<br>3" DIAM. ALUMINUM DOWNSPOUT PRE-FIN. TO MATCH THE<br>CANOPY; CONNECT TO CAST IRON DRAIN HUB AT GRADE<br>ADJACENT SUBSURFACE TO SITE DRAINAGE SYSTEM-<br>REFER TO PLUMBING DWGS AND SITE PLAN.  |
| 12 | SCUPPER:<br>PAINT TO MATCH ADJACENT EXTERIOR FINISHES.<br>REFER TO ROOF PLAN.  |
| 13 | ROOF OVERFLOW DOWNSPOUT NOZZLE:<br>REFER TO PLUMBING DRAWINGS AND PLUMBING FIXTURE<br>SCHEDULE.  |
| 14 | METAL FLASHING AND COUNTERFLASHING CONCEALED<br>BEHIND WALL FINISH AND FINISH OF EXPOSED FLASHING<br>TO MATCH ADJACENT ROOFING/COPING  |
| 15 | AUTOMATIC DOOR OPERATOR BUTTON RECESSED FLUSH<br>WITH WALL SURFACE- DO NOT SURFACE MOUNT.  |
| 16 | KEYCARD READER RECESSED FLUSH WITH WALL<br>SURFACE- DO NOT SURFACE-MOUNT   |
| 17 | SURFACE-MOUNT DECORATIVE LIGHT FIXTURE:<br>REFER TO REFLECTED CEILING PLAN AND ELECTRICAL<br>DRAWINGS  |
| 18 | SURFACE-MOUNT EMERGENCY LIGHT FIXTURE:<br>TO BE PROVIDED ONLY WHEN DOOR BELOW IS A<br>REQUIRED OR MARKED EXIT- REFER TO REFLECTED<br>CEILING PLAN AND LIGHT FIXTURE SCHEDULE   |
| 19 | BOLLARD:<br>CONCRETE-FILLED STEEL PIPE EMBEDDED IN CONCRETE<br>CURB- WITH PLASTIC COVER- REFER TO SITE PLAN.<br>DRIVE-UP CANOPY PLAN AND DETAILS- OMIT AT<br>POSITIONS NOT ADJACENT TO VEHICULAR LANE<br>(LANDSCAPE, WALK, ETC.)   |
| 20 | BANK EQUIPMENT:<br>FURNISHED AND INSTALLED BY BANK EQUIPMENT<br>VENDOR- COORD. WALL OPENINGS AND ELECTRICAL /<br>DATA REQUIREMENTS WITH OWNER-FURNISHED<br>EQUIPMENT SHOP DRAWINGS AND PRODUCT DATA  |
| 21 | SIGNAGE LOCATION:<br>PROVIDE AS OWNER'S SIGN VENDOR- N.I.C.- PROVIDE<br>ROUGH ELEC. WORK AND BLOCKING IN WALL AS REQ'D.<br>FOR VENDOR INSTALLATION. CONFIRM FINAL LOCATION<br>WITH SIGN VENDOR.  |
| 22 | BUILDING ADDRESS NUMBER:<br>WHITE VINYL NUMBERS WITH 1/2" WIDE STROKE APPLIED<br>TO INTERIOR FACE OF GLASS TRANSOM- MIN. 6" HEIGHT<br>OR AS REQ'D. BY LOCAL CODE   |
| 23 | GAS METER:<br>REFER TO SITE PLAN AND PLUMBING DRAWINGS   |
| 24 | FIRE DEPARTMENT CONNECTION:<br>FIRE SUPPRESSION SYSTEM EXTERIOR CONNECTION<br>WHERE REQ'D. BY LOCAL CODE ONLY- VERIFY FINAL<br>LOCATION WITH LOCAL AUTHORITIES HAVING<br>JURISDICTION  |
| 25 | ELECTRICAL OUTLET:<br>SET FLUSH WITH FACE OF MASONRY VENEER- PROVIDE<br>METAL COVER COMPLIANT WITH N.E.C.  |
| 26 | UTILITY INSTALLATION:<br>PROVIDE AND INSTALL UTILITY TERMINATION CABINETS<br>AND METERS AS REQUIRED- COORD. WITH OWNER'S<br>SECURITY AND TELE-DATA SERVICES- COORD CABINET<br>AND METER LOCATIONS WITH LOCAL JURISDICTION-<br>REFER TO SITE PLAN   |
| 27 | TELE / DATA / UTILITY CONNECTIONS:<br>COORDINATE FINAL LOCATION WITH CIVIL ENGINEER  |
| 28 | FLASHING AT PREFAB CANOPY:<br>PRE-FINISHED ALUMINUM FLASHING TO SPAN GAP<br>BETWEEN PREFAB CANOPY AND BUILDING- REFER TO<br>WALL SECTIONS AND DETAILS- VERIFY FINAL FLASHING<br>LENGTH AND CONFIGURATION WITH APPROVED CANOPY<br>SHOP DWGS   |
| 29 | MECHANICAL EQUIPMENT:<br>VENTILATION UNIT. REFER TO MECHANICAL DRAWINGS<br>FOR MORE INFORMATION.   |
| 30 | SIAMESE CONNECTION:<br>FIRE SUPPRESSION SYSTEM EXTERIOR CONNECTION<br>WHERE REQ'D. BY LOCAL CODE ONLY- VERIFY FINAL<br>LOCATION WITH LOCAL AUTHORITIES HAVING<br>JURISDICTION  |
| 31 | FIRE ALARM SYSTEM BELL AND STROBE:<br>WHERE REQUIRED BY LOCAL CODE ONLY- VERIFY FINAL<br>LOCATION WITH LOCAL AUTHORITIES HAVING<br>JURISDICTION  |

**RELEASE FOR  
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DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI**

**08/13/2021**

**CHASE** 

**JP MORGAN CHASE, N.A.**

**HWY 291 & NE LANGSFORD RD**

890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP#38200P368999

## CORE STATES

6500 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE  
SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL  
WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

## PROJECT INFORMATION

PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
<b>PROTOTYPE:</b>	<b>20.2</b>
DRAWN BY:	C.THEBAUD
CHECKED BY:	B.LaSUR
VERSION:	SE_1.00

SHEET TITLE

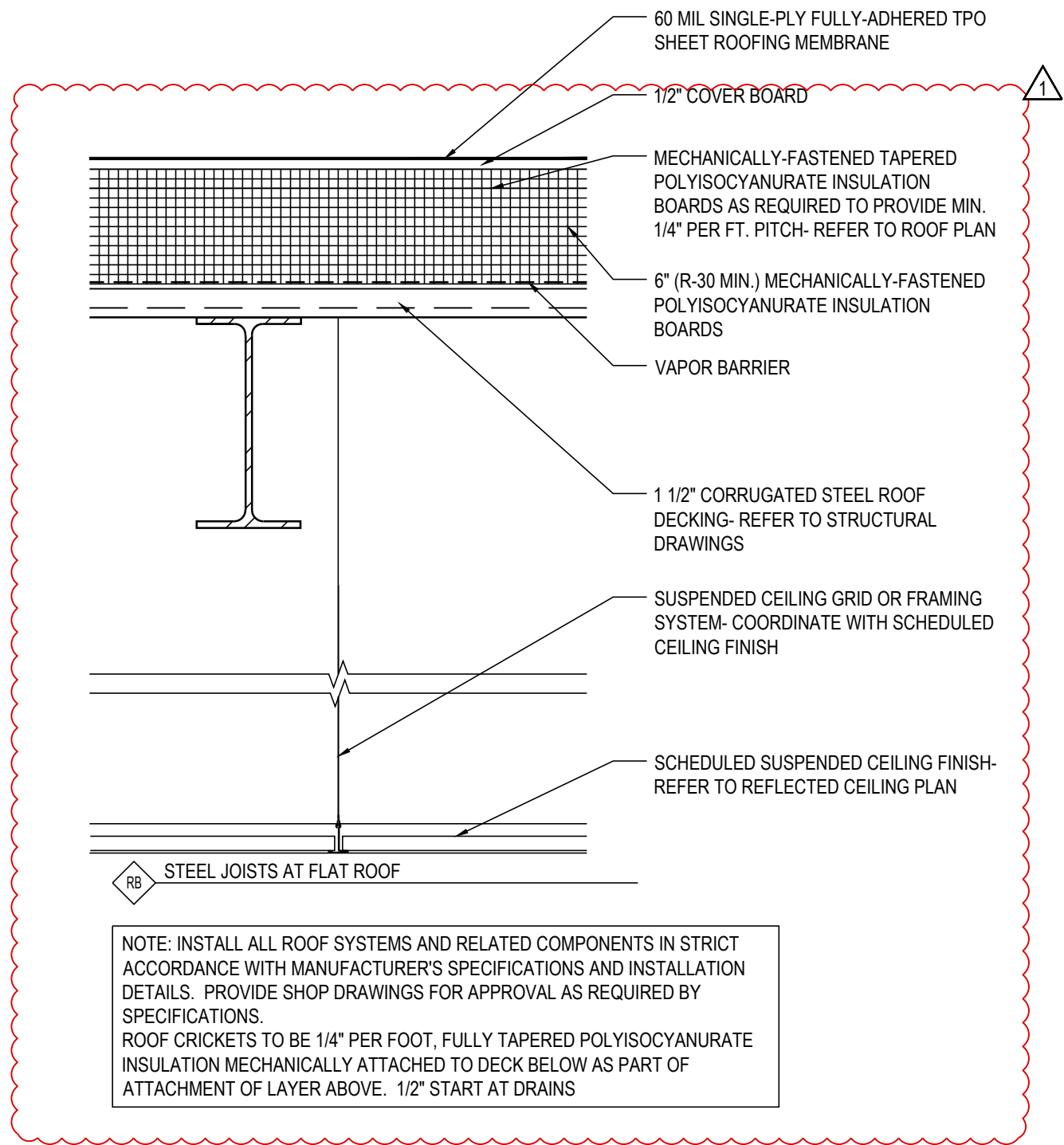
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SHEET NUMBER

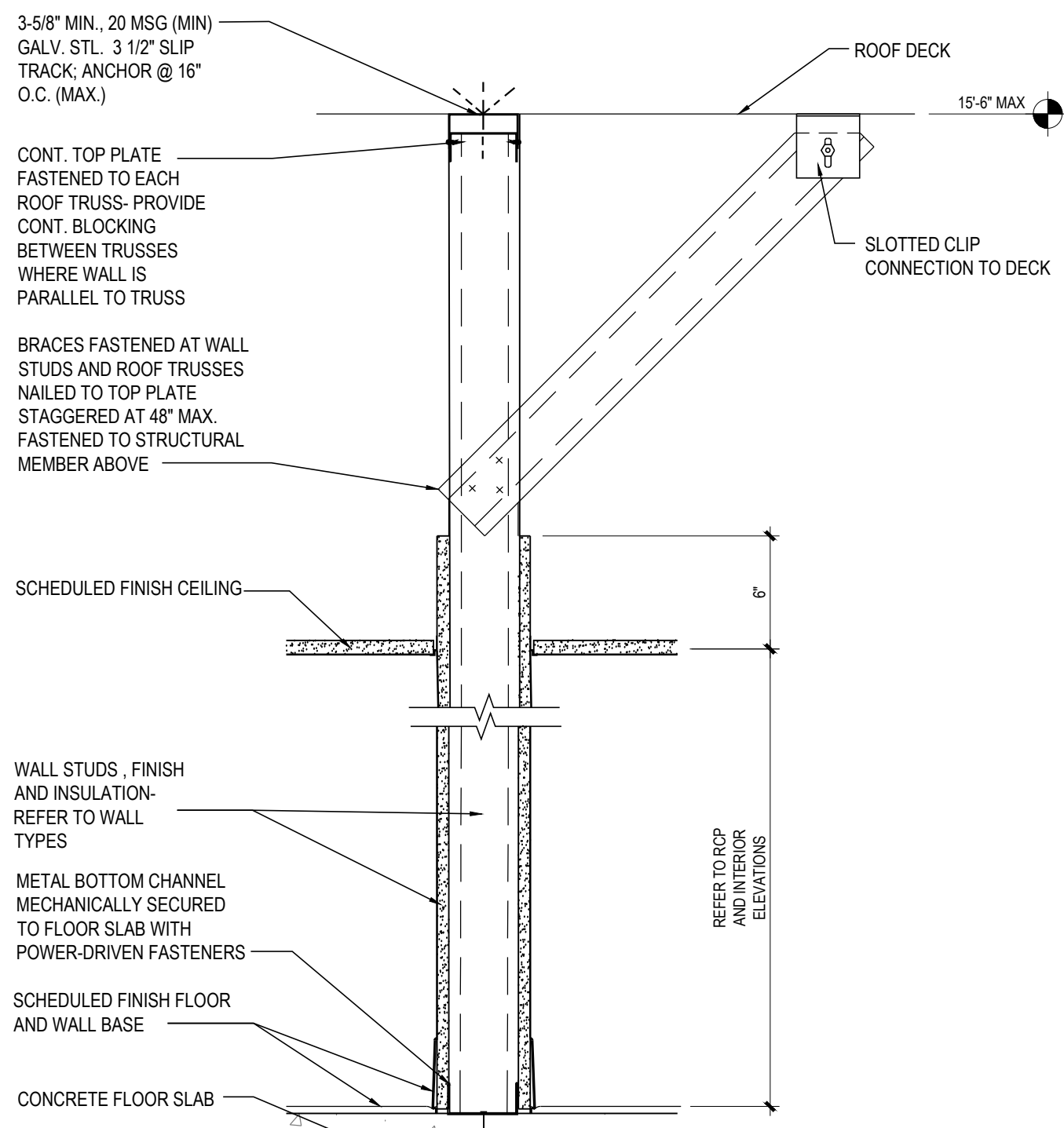
## A2.2.0



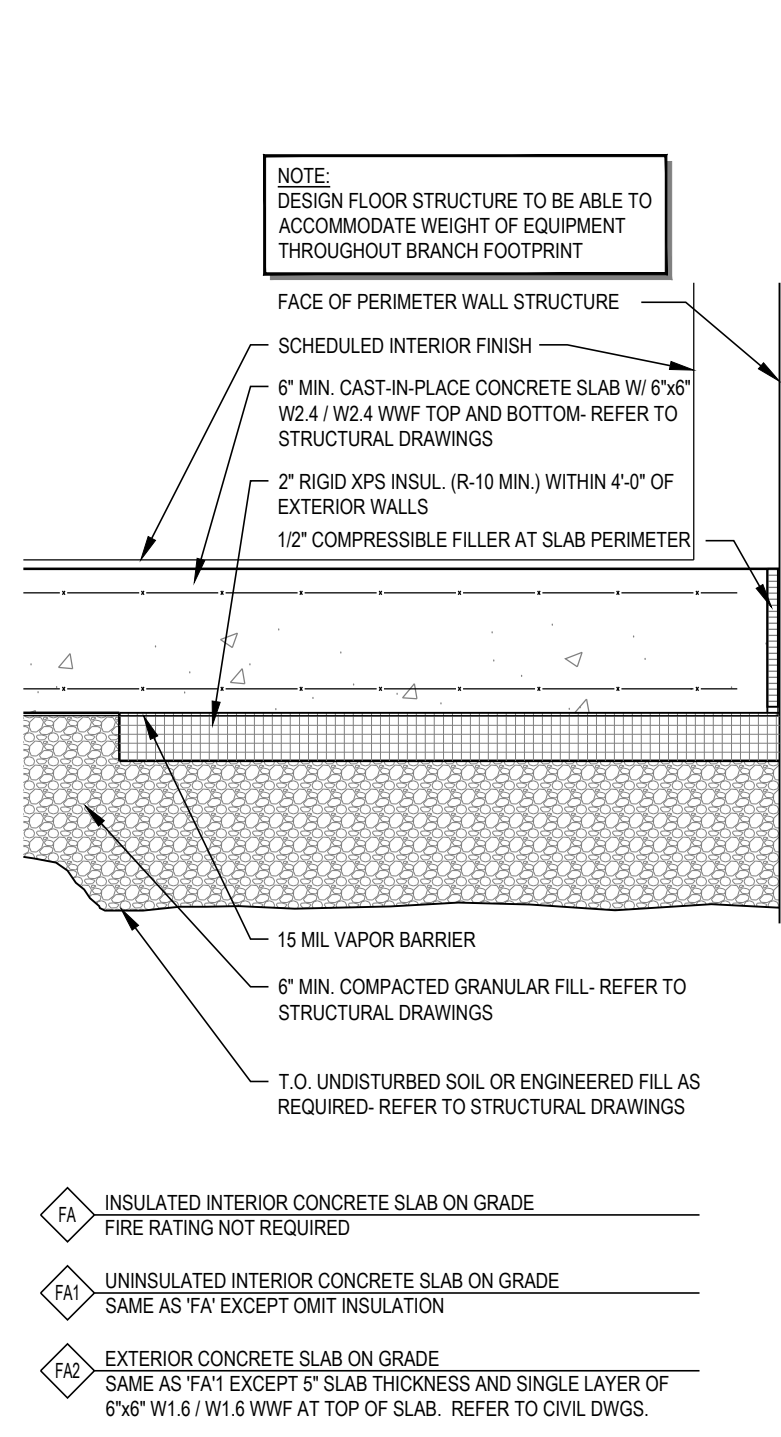
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Wednesday, April 21, 2021 12:54:42 PM



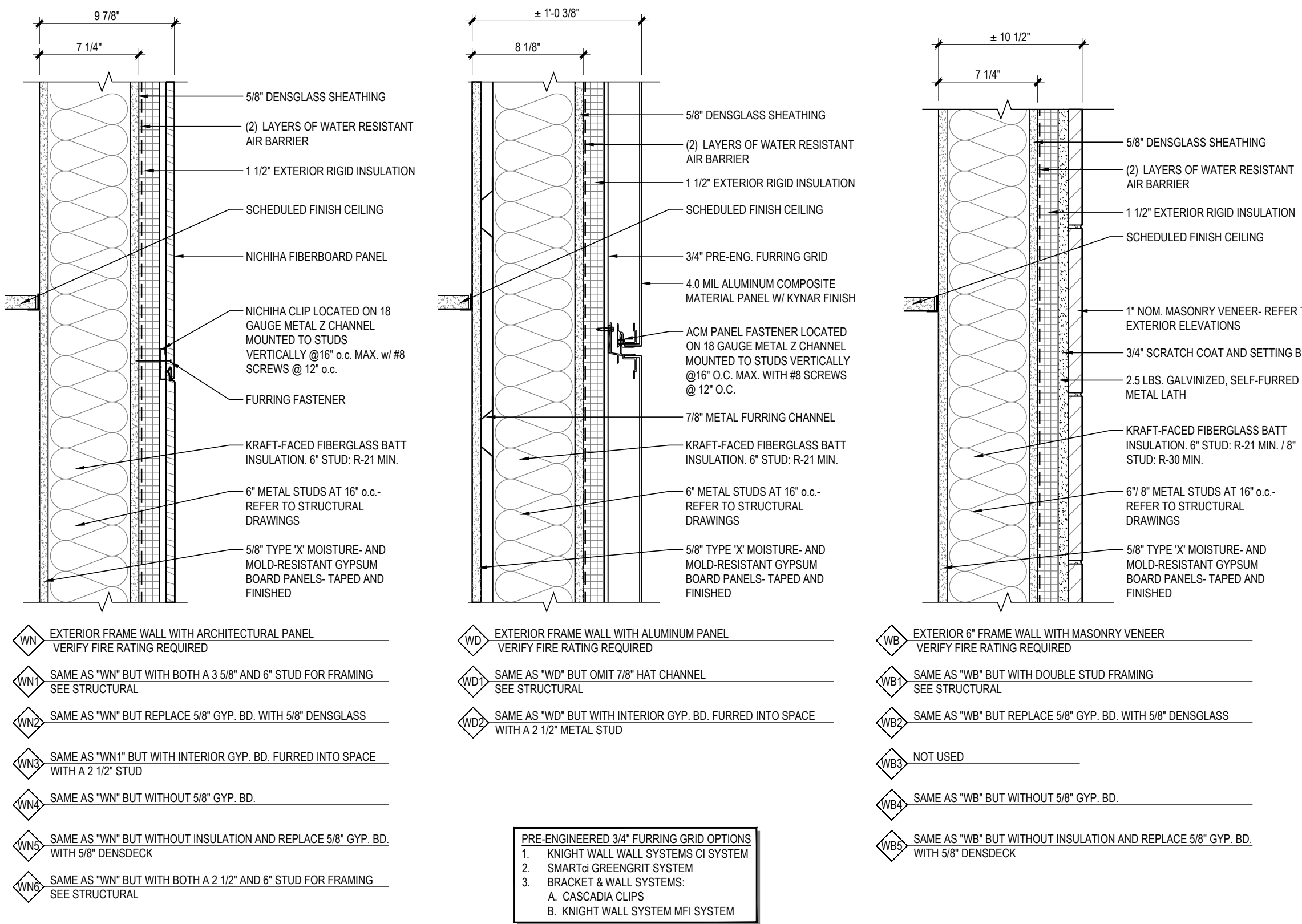
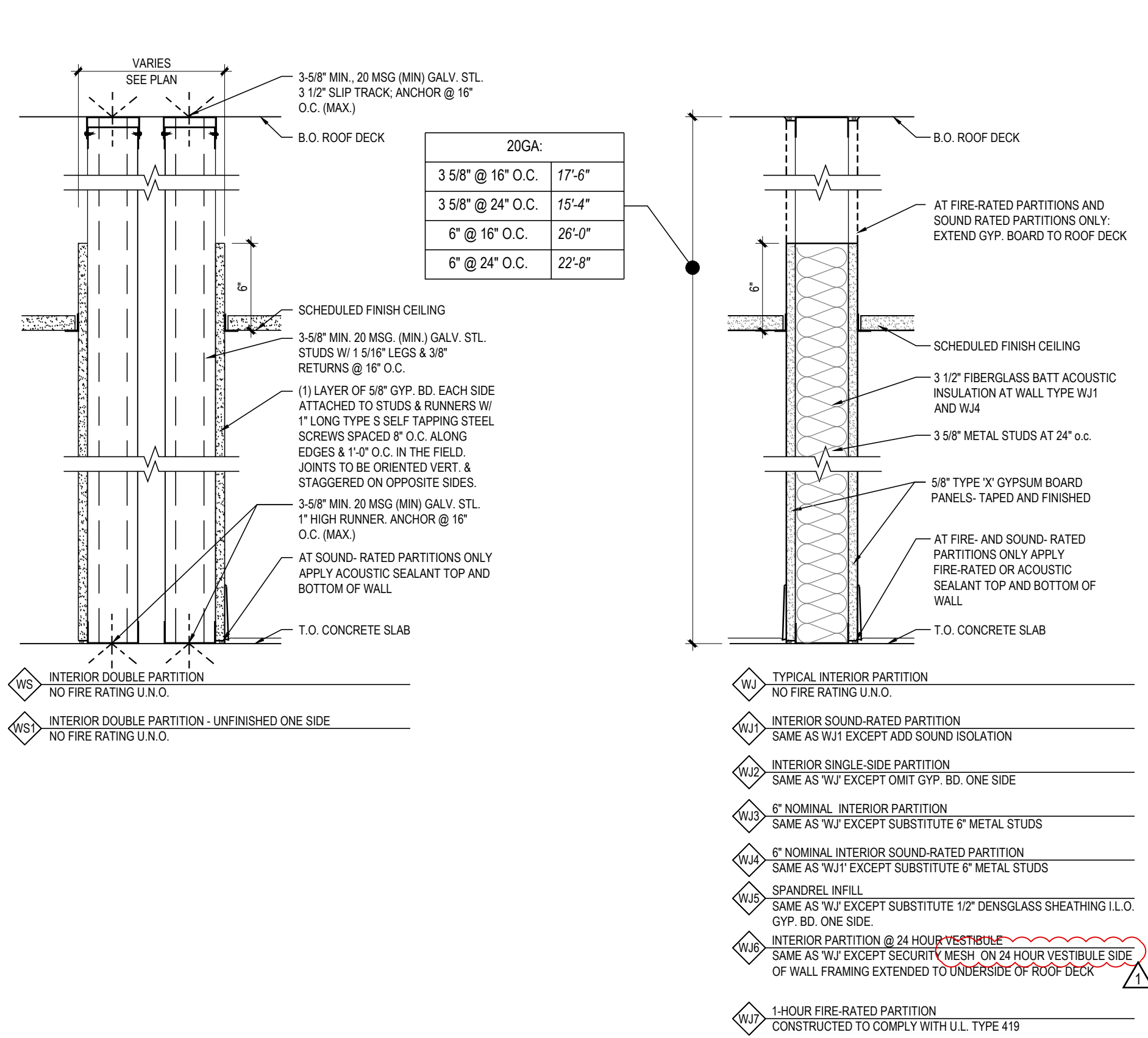
4 ROOF TYPE  
A3.1.0 1 1/2" = 1'-0"



3 INTERIOR PARTITION BRACING  
A3.1.0 1 1/2" = 1'-0"



2 FLOOR TYPES  
A3.1.0 1 1/2" = 1'-0"



1 WALL TYPES  
A3.1.0 1 1/2" = 1'-0"

NOTE:  
ALL WOOD BLOCKING AND PLYWOOD SHALL  
BE FIRE-TREATED.

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**CORE STATES**  
GROUP  
CORESTATES, INC.  
4000 Chipmew Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

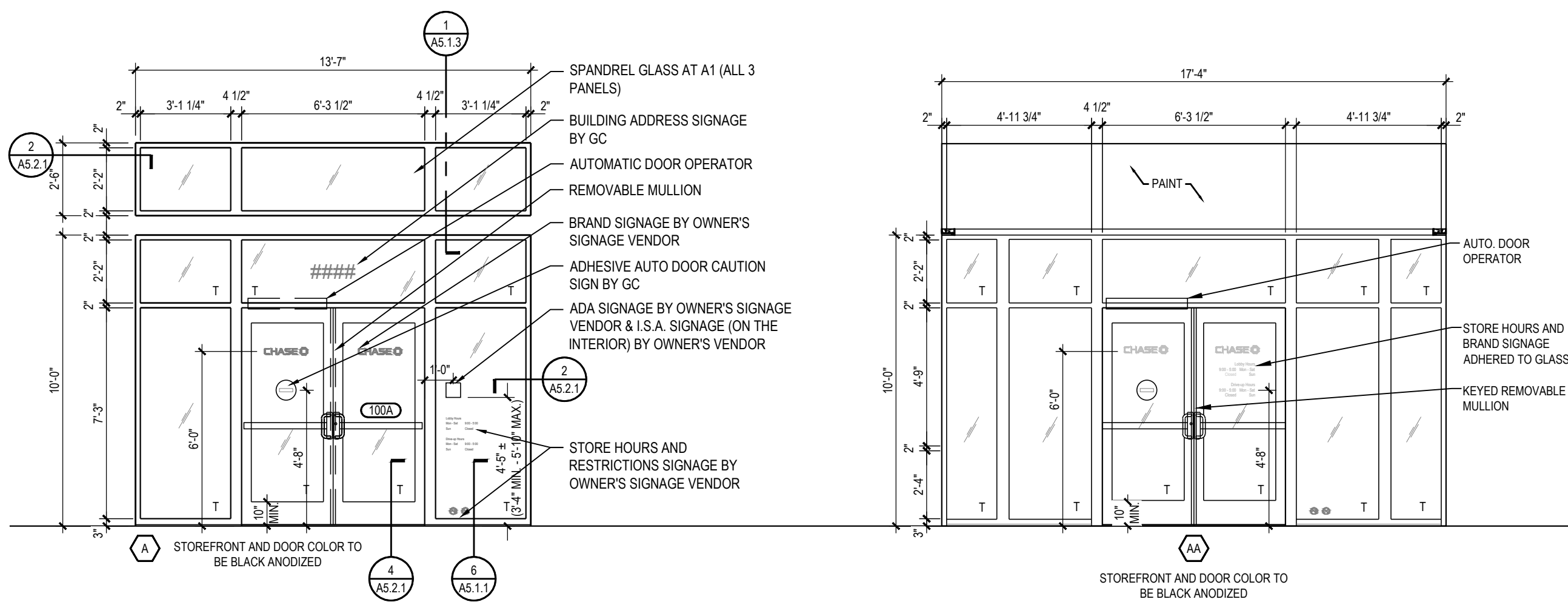
PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LaSUR
VERSION:	SE_1.00
SHEET TITLE	

WALL TYPES  
FLOOR TYPES  
ROOF TYPES

SHEET NUMBER

A3.1.0



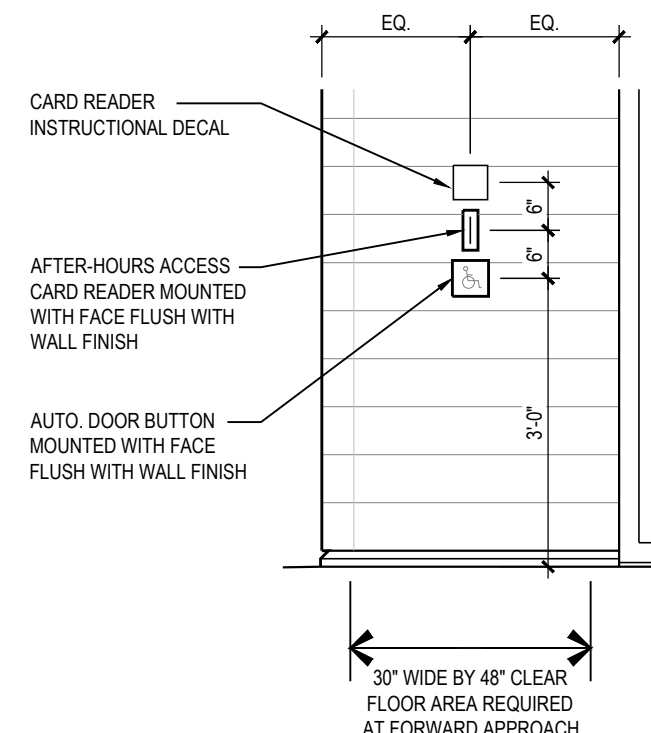


AT NON-ADA-COMPLIANT ENTRANCES, PROVIDE ADA-COMPLIANT DIRECTIONAL SIGNAGE FEATURING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS REQD. TO GUIDE APPROACHING FOOT TRAFFIC TO THE ADA-COMPLIANT ENTRANCE

- ALL UNIT DIMENSIONS ARE NOMINAL AND MAY VARY BY MANUFACTURER- COORDINATE WITH WALL SECTIONS
- INDIVIDUAL LITES DESIGNATED WITH THE 'T' SYMBOL REQUIRE TEMPERED SAFETY GLASS- VERIFY ADDITIONAL REQUIREMENTS WITH APPLICABLE BUILDING CODES
- MODIFY SIGNAGE DESIGN AS REQUIRED TO COMPLY WITH LOCAL BUILDING AND ZONING CODES AND SUBMIT TO OWNER FOR APPROVAL

## WINDOW NOTES

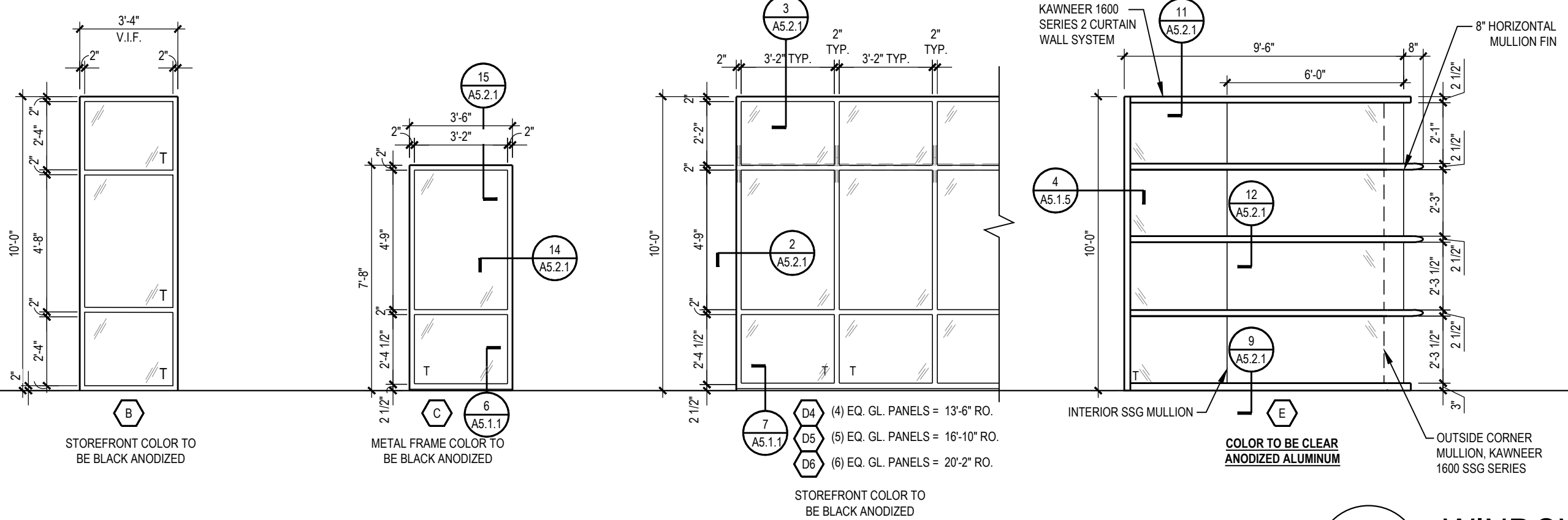
1. VERIFY ALL DIMENSIONS IN THE FIELD.
2. G.C. TO SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW & APPROVAL PRIOR TO FABRICATION
3. ALL ALUMINUM STOREFRONT MULLIONS TO BE 2" WIDE X 1/2" DEEP UNLESS NOTED OTHERWISE.
4. "T" = TEMPERED GLAZING.
5. "SP" = SPANDREL GLAZING.
6. ALL GLASS TO BE CLEAR, NO TINT UNLESS NOTED OTHERWISE.
7. ALL ALUMINUM STOREFRONT FINISH TO BE BLACK ANODIZED, (J.O.N.)



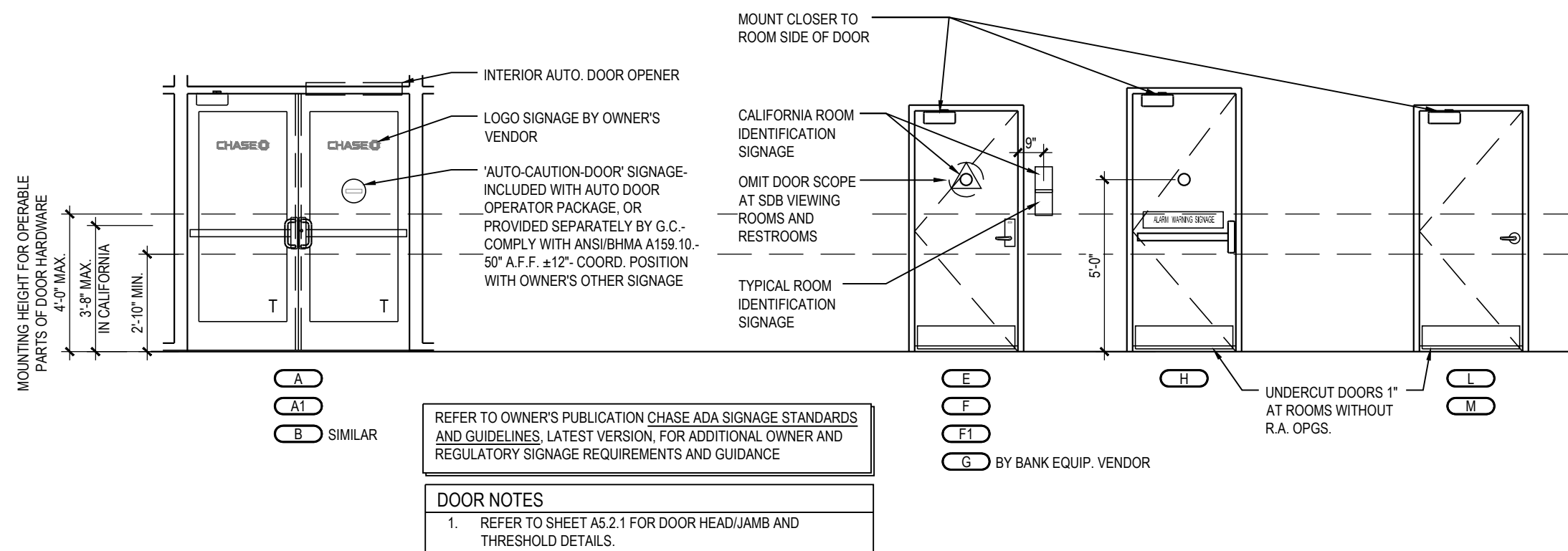
## NATIONAL STANDARD

## 3 AUTO DOOR BUTTONS AND SIGNAGE

DOOR TYPES SCHEDULE											
DOOR NO.	ROOM NAME	TYPE	TYPICAL SIZE			DOOR		FRAME		HOWR.	NOTES
			W	H	T	MATERIAL	FINISH	MATERIAL	FINISH		
100	TRANS. VEST.	A ENTRANCE	(2) 3'-1 3/4"	7'-6"	1 3/4"	ALUMINUM / INSUL. GLASS	BLACK ANODIZED	ALUMINUM	BLACK ANODIZED	01	WIDE-STILE, 10" BOTTOM RAILS, REMOVABLE MULLION, STORE HOURS SIGNAGE BY OWNER
100A	TRANS. VEST.	B VESTIBULE	(2) 3'-1 3/4"	7'-6"	1 3/4"	ALUMINUM / GLASS	BLACK ANODIZED	ALUMINUM	BLACK ANODIZED	02	WIDE-STILE, 10" BOTTOM RAILS, REMOVABLE MULLION
109	PRINT/FILE RM.	E SECURED	3'-0"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	03	CLOSER CONCEALED FROM CUSTOMER VIEW
110	UNISEX RESTROOM #1	F PRIVACY	3'-0"	7'-0"	1 3/4"	SOLID-CORE WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	04	TYPICAL AT RESTROOMS. UNDERCUT DOORS 1" WHEN ROOM PROVIDED WITH ONLY SUPPLY AIR OR RETURN AIR OR EXHAUST. <u>NOTE: PREP DOOR TO ACCEPT MAGNETIC RESET MECHANISM</u>
111	UNISEX RESTROOM #2	F PRIVACY	3'-0"	7'-0"	1 3/4"	SOLID-CORE WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	04	TYPICAL AT RESTROOMS. UNDERCUT DOORS 1" WHEN ROOM PROVIDED WITH ONLY SUPPLY AIR OR RETURN AIR OR EXHAUST. <u>NOTE: PREP DOOR TO ACCEPT MAGNETIC RESET MECHANISM</u>
112A	CORRIDOR	M PASSAGE	3'-0"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	05	CLOSER CONCEALED FROM CUSTOMER VIEW
112B	CORRIDOR	H EGRESS/STEEL	3'-0"	7'-6"	1 3/4"	INSUL. STEEL	INT.: MATCH WALL EXT. EPT-1	HOLLOW METAL	INT.: MATCH WALL EXT. EPT-1	09	EGRESS DOORS IN HOLLOW METAL FRAMES
113	LOUNGE	E SECURED	3'-0"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	03	CLOSER CONCEALED FROM CUSTOMER VIEW
114	JANITOR CL.	L UTILITY	3'-0"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	06	OMIT CLOSER AND HOLD-OPEN AT DOORS TO ROOMS WITH LADDERS ONLY. UNDERCUT DOORS 1" WHEN ROOM PROVIDED WITH ONLY SUPPLY AIR OR RETURN AIR OR EXHAUST. PROVIDE KICK PLATES AT EACH SIDE, AND COMBINED STOP/HOLDER PER HARDWARE SCHEDULE.
115	DATA ROOM	L UTILITY	3'-0"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	06	1-HR RATED. PROVIDE KICK PLATES AT EACH SIDE, AND COMBINED STOP/HOLDER PER HARDWARE SCHEDULE.
117	LAO / ACCESS TELLER/ ATM & AHD RM.	G BULLET-RESISTANT	3'-4"	7'-0"	1 3/4"	REINFORCED SOLID- CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	10	DOOR, FRAME, HINGE, DOOR SCOPE, DOOR HARDWARE AND CLOSER PROVIDED BY BANK EQUIPMENT VENDOR- G-C'S PAINTER TO FIELD PRIME AND PAINT DOOR.
118	MANUAL TRANSACTION	M PASSAGE	3'-4"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	03	CLOSER CONCEALED FROM CUSTOMER VIEW



2 WINDOW TYPES  
A3.2.1 1/4" = 1'-0"



## DOOR TYPES

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ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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[illegible]

PROJECT INFORMATION	
PROJECT NO:	JPM:27135.001
DATE:	2020.12.21
<b>PROTOTYPE:</b>	<b>20.2</b>
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LaSUR
VERSION:	SE.1.00

SHEET TITLE
<p>DOOR TYPES SCHEDULE</p> <p>DOOR TYPES</p> <p>WINDOW TYPES</p>
SHEET NUMBER

### A3.2.1



DOOR HARDWARE SCHEDULE					
GROUP	COMPONENT	MFR.	MODEL	FINISH	NOTES
01 ENTRANCE / 01A ENTRANCE 2	BUTT HINGE (6)	HAGER	BB1191 4.5x4.5 L1 NRP	MATCH STOREFRONT COLOR	STOCK# 006597      NOTE: STANDARD CHASE CB2020 COLOR: STANDARD POWDER COAT BLACK
	REMOVABLE MULLION	VON DUPRIN	KR454	MATCH STOREFRONT COLOR	PROVIDE REMOVABLE MULLION AT ALL NEW BUILDS. IF REMOVABLE MULLION CANNOT BE INSTALLED DUE TO SITE CONSTRAINTS, PROVIDE ALTERNATE HARDWARE: SEE NOTE 9
	PANIC BAR	VON DUPRIN	CD99EO	MATCH STOREFRONT COLOR	
	PANIC BAR	VON DUPRIN	CD99NL-OP	MATCH STOREFRONT COLOR	
	MORTISE CYLINDER	SCHLAGE	20-001/C123	626 SATIN CHROMIUM	NOTE 8
	MORTISE CYLINDER (2)	SCHLAGE	20-001 XQ11-948/C123	626 SATIN CHROMIUM	
	RIM CYLINDER	SCHLAGE	20-022	626 SATIN CHROMIUM	
	ELECTRIC STRIKE	VON DUPRIN	6111 FSE DS 24V	630 SATIN STAINLESS STEEL	OMIT AT TYPE 01A (NOTES 4,5)
	CARD READER SYSTEM	PARABIT	ACSIEV2	BLACK	PROVIDED AND INSTALLED BY OWNER'S SECURITY SYSTEM VENDOR, OMIT AT TYPE 01A (NOTES 4,5)
	OFFSET DOOR PULL (2)	IVES	8190-0-0	630 SATIN STAINLESS STEEL	
	OFFSET DOOR PULL (ALT.) (2)	TRIMCO	8191191E-3-4.BPVC	PVC	PVC-COATED 'STAY-COOL' PULLS FOR USE IN THE DESERT SOUTHWEST ONLY.
	POWER OPERATOR	LCN	4640 CS	MATCH STOREFRONT COLOR	OMIT AT TYPE 01A. MATCH EXISTING STOREFRONT COLOR AT IN-LINE OR EXISTING BUILDING PROJECTS. GC TO CONFIRM FINISH COLOR WITH ARCHITECT PRIOR TO ORDER. INCLUDE CONCEALED SWITCH BLANK END PLATE 334-2. (NOTE 5)
	DOOR PUSHPLATES (2) EXCEPT CALIFORNIA PROJECTS	LCN	8310-818T (4" SQUARE)	SATIN S.S	OMIT AT TYPE 01A
	DOOR PUSHPLATES (4) CALIFORNIA PROJECTS ONLY	LCN	8310-853T (4" SQUARE)	SATIN S.S	OMIT AT TYPE 01A
	DOOR PUSHPLATES (2) OPT. BAR AT CALIFORNIA PROJECTS ONLY	LCN	8310-836T (6" x 36" BAR)	SATIN S.S	OMIT AT TYPE 01A
	SURF.-MOUNT PUSH PLATE ENCLOSURE	LCN	8310-867S	BLACK PLASTIC	FOR USE ONLY AT NON-STANDARD PLANS WHERE A WALL WITH ACCESSIBLE CLEARANCES IS NOT AVAILABLE. NOT TO BE USED AT ANY EXTERIOR NEW-BUILD CONDITION. GC TO CONFIRM WITH ARCHITECT.
	KEY SWITCH	SCHLAGE	653-1414-L2	---	NARROW-STILE COVER PLATE: OMIT AT TYPE 01A.
	CLOSER	LCN	4111-3077CNS	MATCH STOREFRONT COLOR	PROVIDE 2 AT TYPE 01A, SET TO LOWEST POSSIBLE OPENING FORCE REQUIRED TO MAINTAIN WEATHER SEAL INTEGRITY
	SEALS	PEMKO	297AS	MILL-FIN. ALUMINUM	
	SWEEP- STANDARD	PEMKO	2170 DV	DARK BRONZE VINYL	
	SWEEP- HIGH WIND CONDITIONS	PEMKO	315 DN	DARK ANOD. BRONZE	ORDER LONG AND CUT METAL SHORT TO ALLOW NEOPRENE TO EXTEND BEYOND DOOR LOCK EDGE
	THRESHOLD	PEMKO	253X3AFG	MILL-FIN. ALUMINUM	
02 VESTIBULE	BUTT HINGE (6)	HAGER	BB1191 4.5x4.5 L1 NRP	MATCH STOREFRONT COLOR	STOCK# 006597      NOTE: STANDARD CHASE CB2020 COLOR: STANDARD POWDER COAT BLACK
	REMOVABLE MULLION	VON DUPRIN	KR454	MATCH STOREFRONT COLOR	
	PANIC BAR	VON DUPRIN	CD99EO	MATCH STOREFRONT COLOR	
	PANIC BAR	VON DUPRIN	CD99NL-OP	MATCH STOREFRONT COLOR	
	MORTISE CYLINDER	SCHLAGE	20-001/C123	626 SATIN CHROMIUM	NOTE 8
	MORTISE CYLINDER (2)	SCHLAGE	20-001 XQ11-948/C123	626 SATIN CHROMIUM	
	RIM CYLINDER	SCHLAGE	20-022	626 SATIN CHROMIUM	
	OFFSET DOOR PULL (2)	IVES	8190-0-0	630 SATIN STAINLESS STEEL	
	POWER OPERATOR	LCN	4640CS	MATCH STOREFRONT COLOR	INCLUDE CONCEALED SWITCH BLANK END PLATE 334-2 (NOTE 5)
	DOOR PUSHPLATES (2) EXCEPT CALIFORNIA PROJECTS	LCN	8310-853T (4" SQUARE)	SATIN S.S	OMIT AT TYPE 01A
	DOOR PUSHPLATES (4) CALIFORNIA PROJECTS ONLY	LCN	8310-853T (4" SQUARE)	SATIN S.S	OMIT AT TYPE 01A
	DOOR PUSHPLATES (2) OPT. BAR AT CALIFORNIA PROJECTS ONLY	LCN	8310-836T (6" x 36" BAR)	SATIN S.S	OMIT AT TYPE 01A
	SURF.-MOUNT PUSH PLATE ENCLOSURE	LCN	8310-867S	BLACK PLASTIC	FOR USE ONLY AT NON-STANDARD PLANS WHERE A WALL WITH ACCESSIBLE CLEARANCES IS NOT AVAILABLE. NOT TO BE USED AT ANY EXTERIOR NEW-BUILD CONDITION. GC TO CONFIRM WITH ARCHITECT.
	KEY SWITCH	LCN	8310-806K	---	RECESSED IN HINGE JAMB MULLION at 38" AFF (NOTE 5)
	CLOSER	LCN	4111-3077CNS	MATCH STOREFRONT COLOR	LEFT-HAND LEAF AS VIEWED FROM EXTERIOR. ADA COMPLIANT
03 SECURED	BUTT HINGE (3)	HAGER	BB1191 ANSI A2112 4.5x4.5	652 SATIN CHROMIUM	
	ELECTRONIC LOCK	SCHLAGE	CO-100-CY-70-KP-SPA-626-PD-C123	626 SATIN CHROMIUM	NOTE 8
	CLOSER	LCN	4011/4041-3077	SP28 GRAY PAINT	DOOR-MOUNT ON ROOM SIDE- NOT VISIBLE TO CUSTOMERS; ADA COMPLIANT
	FLOOR STOP	IVES	FS13 / FS17	626 SATIN CHROMIUM	AT DOORS OPENING AGAINST WALL; WITH R14 RISER AS REQUIRED
	OVERHEAD STOP	GLYNN-JOHNSON	410S	630 SATIN STAINLESS STEEL	AT DOORS OPENING AGAINST FURNITURE
	KICK PLATE	IVES	8400	630 SATIN STAINLESS STEEL	PUSH SIDE ONLY; 8" x 2" LESS THAN DOOR WIDTH
	DOOR SCOPE	IPI / DOOR SCOPE	DS2000	SILVER PAINT	ALUMINUM BODY, NOTE 1
	SILENCERS	IVES	SR64	GRAY	
04 PRIVACY	BUTT HINGE (3)	HAGER	BB1191 ANSI A22112 4.5x4.5	652 SATIN CHROMIUM	
	ELECTRONIC LOCK	SCHLAGE	CO-100-CY-40-KP-SPA-626-PD-C123	626 SATIN CHROMIUM	WITH PRIVACY FUNCTION; PREPARE DOOR FOR MAGNETIC RESET FUNCTION. NOTE 8
	CLOSER	LCN	4011/4041-3077	SP28 GRAY PAINT	DOOR-MOUNT ON ROOM SIDE- NOT VISIBLE TO CUSTOMERS, ADA COMPLIANT
	FLOOR STOP	IVES	FS13 / FS17	626 SATIN CHROMIUM	WITH R14 RISER AS REQUIRED
	KICK PLATE	IVES	8400	630 SATIN STAINLESS STEEL	PUSH SIDE ONLY; 8" x 2" LESS THAN DOOR WIDTH
	COAT HOOKS (2)	IVES	581	626 SATIN CHROMIUM	AT RESTROOMS ONLY, 1 AT 36" AFF, 1 AT 60" AFF
	DOOR SCOPE	IPI / DOOR SCOPE	DS2000	SILVER PAINT	ALUMINUM BODY- OMIT AT RESTROOMS & SDB VIEWING ROOMS, NOTE 1
	SILENCERS	IVES	SR64	GRAY	
04A STANDARD AT SDB VIEWING RM. --- ALTERNATE AT RESTROOMS BY EXCEPTION	BUTT HINGE (3)	HAGER	BB1191 ANSI A22112 4.5x4.5	652 SATIN CHROMIUM	
	PRIVACY LOCK	SCHLAGE	ND50PDC123/SPA	626 SATIN CHROMIUM	PUSH-BUTTON PRIVACY INTERIOR / KEYED EXTERIOR; NOTE 8
	CLOSER	LCN	4011/4041-3077	SP28 GRAY PAINT	OMIT AT SDB VIEWING ROOMS; DOOR-MOUNT ON ROOM SIDE, ADA COMPLIANT
	FLOOR STOP	IVES	FS13 / FS17	626 SATIN CHROMIUM	WITH R14 RISER AS REQUIRED
	KICK PLATE	IVES	8400	630 SATIN STAINLESS STEEL	PUSH SIDE ONLY; 8" x 2" LESS THAN DOOR WIDTH
	COAT HOOKS (2)	IVES	581	626 SATIN CHROMIUM	AT RESTROOMS ONLY, 1 AT 36" AFF, 1 AT 60" AFF
	DOOR SCOPE	IPI / DOOR SCOPE	DS2000	SILVER PAINT	ALUMINUM BODY- OMIT AT RESTROOMS & SDB VIEWING ROOMS, NOTE 1
	SILENCERS	IVES	SR64	GRAY	
05 PASSAGE	BUTT HINGE (3)	HAGER	BB1191 ANSI A2112 4.5x4.5	652 SATIN CHROMIUM	
	PASSAGE LATCH SET	SCHLAGE	ND10S/SPA	626 SATIN CHROMIUM	INCLUDE MILLED GROOVES (/8SP) AT ELECTRICAL ROOM DOORS
	CLOSER	LCN	4011/4041-3077	SP28 GRAY PAINT	DOOR-MOUNT ON ROOM SIDE- NOT VISIBLE TO CUSTOMERS, ADA COMPLIANT
	FLOOR STOP	IVES	FS13 / FS17	626 SATIN CHROMIUM	WITH R14 RISER AS REQUIRED
	KICK PLATE	IVES	8400	630 SATIN STAINLESS STEEL	PUSH SIDE ONLY; 8" x 2" LESS THAN DOOR WIDTH
	SILENCERS	IVES	SR64	GRAY	

06 UTILITY	BUTT HINGE (3)	HAGER	BB1191 ANSI A2112 4.5x4.5	652 SATIN CHROMIUM	
	STOREROOM LOCK SET	SCHLAGE	ND80PD/C123/SPA	626 SATIN CHROMIUM	NOTE 8
	CLOSER	LCN	4011/4041-3077	SP28 GRAY PAINT	DOOR-MOUNT ON ROOM SIDE- NOT VISIBLE TO CUSTOMERS, ADA COMPLIANT
	CONCEALED OVERHEAD STOPHOLDER	GLYNN-JOHNSON	410H	630 SATIN STAINLESS STEEL	OVERHEAD CONCEALED COMBINED STOPHOLDER REQUIRED AT PLUMBING/JANITOR CLOSET, ELECTRICAL, AND DATA ROOMS; OMIT AT ROOMS WITH LADDER ONLY.
	KICK PLATE (2)	IVES	8400	630 SATIN STAINLESS STEEL	8" x 2" LESS THAN DOOR WIDTH; PLUMBING/JANITOR CLOSET, ELECTRICAL, AND DATA ROOMS REQUIRE KICK PLATES AT BOTH SIDES OF DOOR.
	DOOR SWEEP	PEMKO	4131CNBL	CLEAR ANOD. ALUMINUM	DATA ROOM DOOR ONLY
	DOOR SCOPE	IPI / DOOR SCOPE	DS2000	SILVER PAINT	ALUMINUM BODY, NOTE 1
	SILENCERS	IVES	SR64	GRAY	
09 EGRESS	BUTT HINGE (2)	HAGER	BB1191 ANSA A5112 NRP 4.5x4.5	630 SATIN STAINLESS STEEL	
	POWER TRANSFER HINGE (1)	HAGER	BB1191 ANSIA5112 ETW 4.5 x 4.5	630 SATIN STAINLESS STEEL	4-CONDUCTOR THROUGH-WIRE POWER TRANSFER HINGE
	PANIC BAR WITH ALARM	VON DUPRIN	99NL-OP-ALK-AR-CON-3-US26D	626 SATIN CHROMIUM	PANIC BAR WITH ALARM KIT, AUTO-RESET, AND MFR'S POWERED HINGE WIRING KIT, LENGTH AS REQD.
	ALARM POWER SUPPLY	VON DUPRIN	PS-900 SERIES	---	INCLUDE INTERNAL BACKUP BATTERY; SEE NOTE 7
	MORTISE CYLINDER	SCHLAGE	20-001/C123	626 SATIN CHROMIUM	NOTE 8
	RIM CYLINDER	SCHLAGE	20-022	626 SATIN CHROMIUM	
	CLOSER	LCN	4111-3077 CNS	SP28 GRAY PAINT	ADA COMPLIANT
	KICK PLATE	IVES	8400	630 SATIN STAINLESS STEEL	8" x 2" LESS THAN DOOR WIDTH
	SEALS	PEMKO	297AS	MILL-FIN. ALUMINUM	
	DOOR SWEEP	PEMKO	315CN	CLEAR ANOD. ALUMINUM	
	THRESHOLD	PEMKO	170A	MILL-FIN. ALUMINUM	
	DOOR SCOPE	IPI / DOOR SCOPE	DS2000 168 degree	SILVER PAINT	ALUMINUM BODY, NOTE 1
10 BULLET-RESISTANT	CONTINUOUS HINGE	---	---	SATIN CHROME/STAINLESS STEEL	BY BANK EQUIPMENT VENDOR
	ELECTRONIC LOCK	SCHLAGE	CO-100-CY-70-KP-SPA-626-PD-C123	626 SATIN CHROMIUM	BY BANK EQUIPMENT VENDOR; NOTE 8
	CLOSER	LCN	4011/4041-3077 CNS	SP28 GRAY PAINT	BY BANK EQUIPMENT VENDOR, ADA COMPLIANT
	FLOOR STOP	IVES	FS13 / FS17	626 SATIN CHROMIUM	WITH R14 RISER AS REQUIRED
	KICK PLATE	IVES	8400	630 SATIN STAINLESS STEEL	PUSH SIDE ONLY; 8" x 2" LESS THAN DOOR WIDTH
	DOOR SCOPE	IPI / DOOR SCOPE	DS2000	SILVER PAINT	ALUMINUM BODY , NOTE 1
	SILENCERS	IVES	SR64	GRAY	
14 TRASH ENCLOSURE GATE	BARREL HINGES (1 PAIR PER LEAF)	GUARDIAN	2130, 100	PAINT TO MATCH ADJ. FINISH	AT C.M.U. ENCLOSURES- OR EQUAL- 1000-LB. CAPACITY PER PAIR, PRIMED STEEL
			2135, 100	PAINT TO MATCH ADJ. FINISH	AT STEEL POST ENCLOSURES- OR EQUAL- 1000-LB. CAPACITY PER PAIR, PRIMED STEEL
	LATCH	STANLEY	621513	GALVANIZED STEEL	OR EQUAL
	PULL (1 PER LEAF)	CROWN BOLT	62309	GALVANIZED STEEL	OR EQUAL
	CANE BOLT (1 PER LEAF)	STANLEY	532531	GALVANIZED STEEL	BY PANEL SYSTEM MANUFACTURER
	SPRING-LOADED CASTERS (1 PER LEAF)	ABBEY TRADING	081-368-1	GALVANIZED STEEL	OR EQUAL
	BOLTS AND MISC. HARDWARE	---	---	STAINLESS STEEL	
16 EMPLOYEE ENTRANCE	BUTT HINGE (3)	HAGER	BB1191 4.5x4.5 L1 NRP	MATCH STOREFRONT COLOR	STOCK #006597
	MORTISE DEAD LATCH	SCHLAGE	L9080/C123/SPA	626 SATIN CHROMIUM	WHERE DOOR MFR'S LOCK BODY IS REQD., PROVIDE SCHLAGE LOCK CYLINDER, ANSI F07 "STOREROOM LOCK" FUNCTION; ADA SINGLE-ACTION COMPLIANT; NOTE 8
	LEVERS (2)	SCHLAGE	SPARTA	626 SATIN CHROMIUM	
	SILENCERS	IVES	SR64	GRAY	
	CLOSER	LCN	4111-3077/CNS	MATCH STOREFRONT COLOR	NOTE: STANDARD CHASE CB2020 COLOR: STANDARD POWDER COAT BLACK
	FLOOR STOP	IVES	FS13 / FS17	626 SATIN CHROMIUM	

NOTES:	1.	DOOR SCOPE REQUIRED UNLESS DOOR INTO ROOM CANNOT BE CLOSED WHILE OCCUPIED (I.E. CLOSETS) OR DOOR DOES NOT OPEN INTO AREAS ACCESSIBLE TO CUSTOMERS.
	2.	HARDWARE SET 08A - ALT. GLASS SHALL BE SPECIFIED ONLY AT PROJECTS WHERE AUTHORITIES HAVING JURISDICTION DO NOT PERMIT THE 4" BEVELLED BOTTOM RAIL EXCEPTION TO THE 10" DOOR BOTTOM RAIL REQUIREMENT.
	3.	DOOR HARDWARE VENDOR IS TO VERIFY COMPATIBILITY OF SPECIFIED HARDWARE AND SUBMIT RECOMMENDATIONS AS REQUIRED TO THE G.C. TO CONFORM TO THE LOCK FUNCTION AND FINISH HARDWARE CONFIGURATION DESIGN INTENT. ANY DEVIATIONS FROM SCEHDULED HARDWARE MUST BE APPROVED BY THE OWNER. CHANGE ORDERS RESULTING FROM NON-COMPATIBILITY OF HARDWARE WILL NOT BE ACCEPTED.
	4.	OMIT PARABIT AFTER-HOURS CARD READER ACCESS SYSTEM WHERE DOORS DO NOT ACCESS A 24-HOUR VESTIBULE WITH ATM OR OTHER CUSTOMER-FACING EQUIPMENT.
	5.	REFER TO AUTO DOOR CONTROL DIAGRAMS, SHEET E3.
	6.	ADJUST DOOR CLOSERS TO COMPLY WITH ANSI A117.1 REQUIREMENTS FOR OPENING FORCE AND CLOSING SPEED. SET OPENING FORCE AS LOW AS POSSIBLE WHILE ALLOWING THE DOOR TO FULLY LATCH.
	7.	FOR PROJECTS WITH A SINGLE ALARMED EGRESS DOOR, INSTALL POWER SUPPLY ABOVE FINISH CEILING OVER DOOR. FOR PROJECTS WITH MULTIPLE ALARMED DOORS, INSTALL SIZE POWER SUPPLY FOR MULTIPLE DOORS AND INSTALL IN A CENTRAL LOCATION.
	8.	G.C. TO COORDINATE WITH OWNER'S FACILITY MANAGER TO VERIFY LOCK CORE AND KEYWAY COMPATIBILITY WITH REGIONAL HARDWARE STANDARDS- MATCH LOCAL CONFIGURATION.
	9.	WHEN REMOVABLE MULLION CANNOT BE INSTALLED IN THE EXTERIOR ENTRY DOOR, PROVIDE VON DUPRIN SERIES 99 WITH CONCEALED VERTICAL ROD EXIT DEVICE.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
4000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD

STATE OF MISSOURI  
ROBERT BRUCE LASURS  
JANUARY 08, 2021  
NUMBER A-7504  
ARCHITECT  
ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LASURS
VERSION:	SE_1.00

SHEET TITLE
DOOR HARDWARE SCHEDULE
SHEET NUMBER

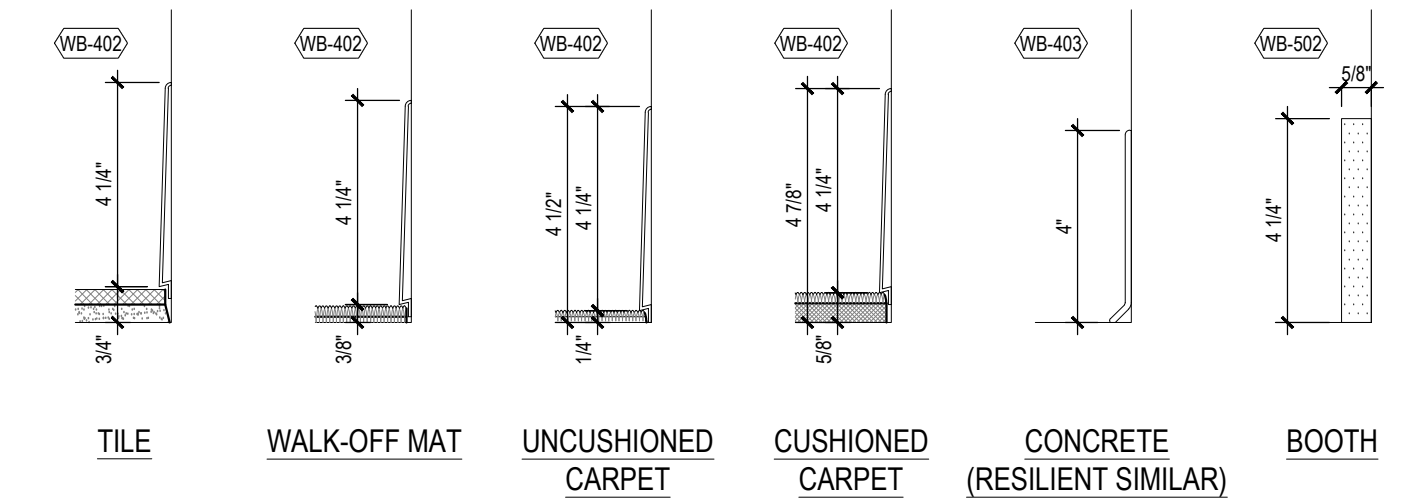
A3.2.2

NOTE: NOT ALL HARDWARE MAY BE USED IN THE SCOPE OF THIS PROJECT.



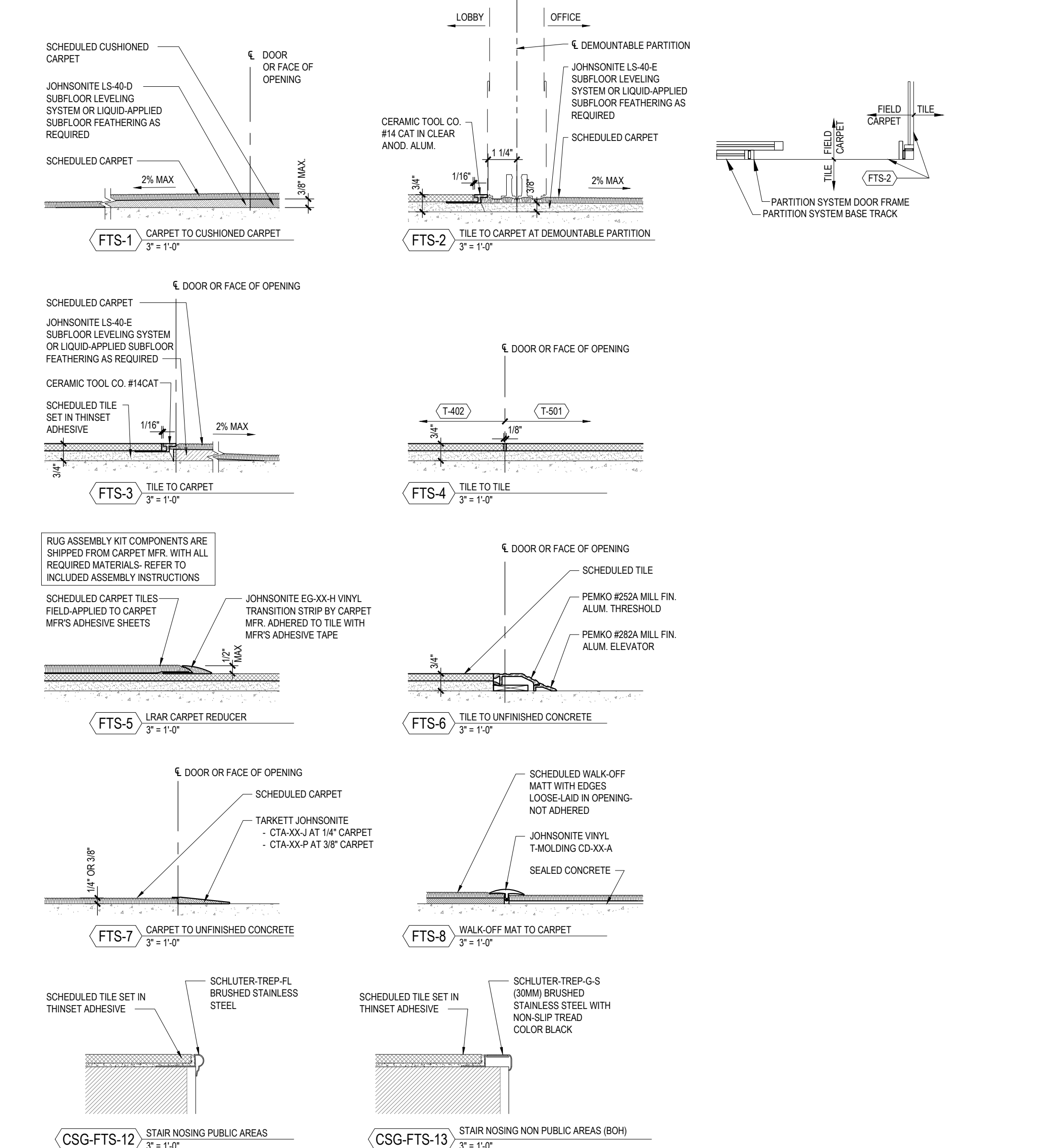
INTERIOR FINISH SCHEDULE		
TRANSACTION VESTIBULE		
FLOOR- FIELD TILE	T-501	
WALK-OFF MAT	CPT-302	
WALL BASE	WB-402	
ATM WALL	WC-402	
WALLS (NON-ATM)	PT-500	
SUSPENDED GRID CEILING	ACT-4	
SOFFITS- FACE AND BOTTOM	PT-500	
LIGHT FIXTURES- GENERAL	L-500	
ILLUMINATED OCTAGON	PREFERRED	
LOBBY AND CORRIDOR		
FLOOR- FIELD TILE	T-501	
WALL BASE	WB-402	
WALLS - GENERAL	PT-500	
WALL - CAFÉ / COMMUNITY WALL	PT-311 (NOTE 13)	
WALL - ATM WITH DIGITAL SCREEN	PT-311 (NOTE 13)	
SUSPENDED GRID CEILING	ACT-4	
GYPSIUM CEILINGS, SOFFIT BOTTOMS AND SOFFIT FACES NOT FLUSH WITH WALL	PT-500	
WINDOW SILLS	SS-300	
LIGHT FIXTURES- GENERAL	L-500	
LIGHT FIXTURES - CEILING ACCENT	L-11	
WINDOW SHADES (NOTE 6B)	WT-1 / WT-2	
LIVING ROOM		
FLOOR- AREA RUG	LRAR-4	
WALLS- GENERAL	PT-500	
FEATURE WALL PANELS	WD-501	
LIGHT FIXTURES- GENERAL	L-500	
MANUAL TRANSACTIONS		
FLOOR	CPT-321	
WALL BASE	WB-402	
WALLS - GENERAL	PT-500	
WALLS - MANUAL TRANSACTION BACK WALL	PT-500	
WALLS- ACCENT (NOTE 13)	(NOTE 13)	
MILLWORK- GENERAL	PL-502 / PL-503	
MANUAL TRANSACTION MODULE FRONT PANELS	(NOTE 5)	
MANUAL TRANSACTION MODULE COUNTER	(NOTE 5)	
CEILING	ACT-4	
SOFFITS- BOTTOM AND FACES NOT FLUSH WITH WALL	PT-500	
LIGHT FIXTURES- GENERAL	L-11	
ILLUMINATED OCTAGON	PREFERRED	
SCRM	WT-20	
CASUAL AND PRIVATE CONSULTATION SPACE (CCS, PCS)		
FLOOR - GENERAL	CPT-320	
WALL BASE	WB-400	
WALLS	(NOTE 12)	
WALLS - PARTIAL HEIGHT	(NOTE 12)	
GLAZING HARDWARE	DEMOUNTABLE WALL SYTEM (NOTE 12)	
DOOR CLOSER COVER	DEMOUNTABLE WALL SYTEM (NOTE 12)	
CEILING	ACT-4	
PCS/CMS BULKHEADS	PT-500	
SOFFITS - BOTTOM AND FACES NOT FLUSH WITH WALL	PT-500	
LIGHT FIXTURES- GENERAL	L-500	
LIGHT FIXTURES- PENDANT - PCS	L-410	
WINDOW SHADES: PCS / CMS (NOTE 6B)	WT-1 / WT-2	
CONFERENCE ROOM		
FLOOR - GENERAL	CPT-320	
WALL BASE	WB-402	
WALLS	(NOTE 12)	
WALLS - PARTIAL HEIGHT	(NOTE 12)	
GLAZING HARDWARE	DEMOUNTABLE WALL SYTEM (NOTE 12)	
DOOR CLOSER COVER	DEMOUNTABLE WALL SYTEM (NOTE 12)	
CEILING	ACT-4	
CONFERENCE BULKHEADS	PT-500	
SOFFITS - BOTTOM AND FACES NOT FLUSH WITH WALL	PT-500	
LIGHT FIXTURES- GENERAL	L-500	
LIGHT FIXTURES - ACCENT - CONFERENCE ROOM	L-413	
WINDOW SHADES: CONFERENCE (NOTE 6B)	WT-7	
BOOTH		
FLOOR	T-501	
WALL BASE	WB-402	
WALLS - ACCENT PAINT	PT-501 (NOTE 12)	
WALLS - WOOD ACCENT	WD-502	
CEILING	WD-502	
BOOTH BULKHEADS	PT-500	
SOFFITS - BOTTOM AND FACES NOT FLUSH WITH WALL	PT-500	
LIGHT FIXTURES- GENERAL	L-500	
LIGHT FIXTURES- PENDANT LIGHT	L-411	
WINDOW SHADES: PCS / CMS (NOTE 6B)	WT-1 / WT-2	

DINING ROOM TABLE (DRT)		
FLOOR (DRT ON HARD SURFACE)		T-501
WALL BASE	WB-402	
WALLS - GENERAL	PT-500	
WALLS - DIGITAL	PT-311 (NOTE 13)	
WALLS - PARTIAL HEIGHT	PT-500	
CEILING	ACT-4	
LIGHT FIXTURES- GENERAL	L-500	
SDB CHEST ROOM OR VAULT		
FLOOR		CPT-320
WALL BASE	WB-402	
WALLS - GENERAL	PT-500	
CEILING	ACT-2	
LIGHT FIXTURES	L-2	
SDB VIEWING ROOM		
FLOOR		CPT-320
WALL BASE	WB-402	
WALLS	PT-500	
WALL- ACCENT (COUNTER WALL)	PT-501	
MILLWORK COUNTER	SS-300	
CARREL COUNTER	SS-300	
CEILING	ACT-2	
LIGHT FIXTURES- GENERAL	L-2	
RESTROOMS (NOTE 6B)		
FLOOR- FIELD		T-402
WALLS - GENERAL	PT-500	
WALL- VANITY	PT-501	
WALL TILE	T-402	
CEILING	ACT-2	
LIGHT FIXTURES- GENERAL	L-2	
WORK / PRINT / FILE / STORAGE ROOMS, LTOS AND CASH ROOMS SEPARATE FROM MANUAL TRANSACTION AREAS		
FLOOR		CPT-320
WALL BASE	WB-402	
WALLS	PT-500	
MILLWORK	PL-502 / PL-503	
CEILING	ACT-2	
LIGHT FIXTURES	L-2	
LAO (FORMERLY LTOS) / CASH ROOMS- OPEN TO MANUAL TRANSACTION AREAS		
FLOOR		CPT-321
WALL BASE	WB-402	
WALLS	PT-500	
MILLWORK	PL-502 / PL-503	
CEILING	ACT-2	
LIGHT FIXTURES	L-2	
LOUNGE		
FLOOR		T-402
WALL BASE	WB-402	
WALLS	PT-500	
MILLWORK COUNTER	PL-503	
MILLWORK	PL-502	
CEILING	ACT-2	
LIGHT FIXTURES	L-2	
JANITOR / DATA / ELECTRICAL/ LADDER / ATM ROOMS		
FLOOR		SC (NOTE 14)
WALL BASE	WB-403	
WALLS (NOTE 8)	PT-500	
FLOOR SINK WALLS (NOTE 6)	FRP-1	
LADDER AREA WALLS (NOTE 6)	FRP-1	
CEILING	ACT-2 (U.N.O.)	
LIGHT FIXTURES	L-2 (U.N.O.)	



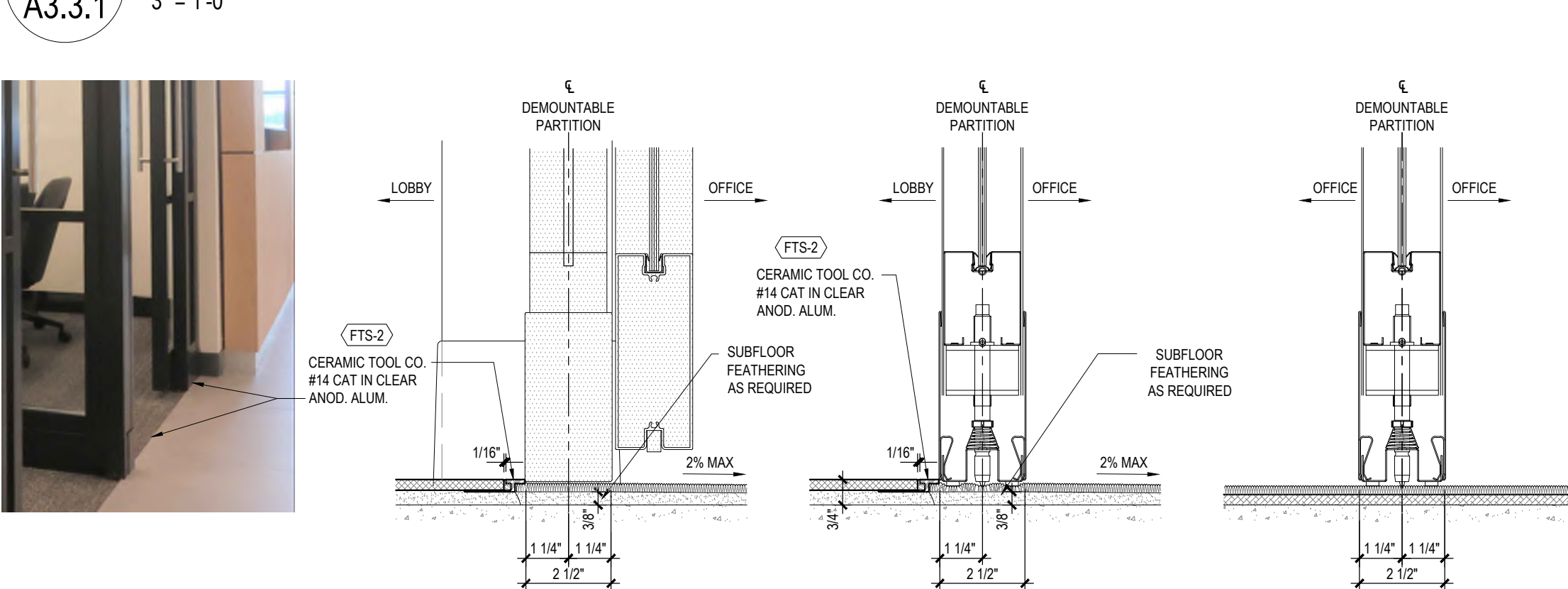
### 3 TYP. WALL BASE

A3.3.1 3" = 1'-0"



### 2 FLOOR TRANSITION TYPES AND STAIR BULLNOSE PROFILES

A3.3.1 3" = 1'-0"



### 1 DEMOUNTABLE WALL FLOOR TRANSITIONS

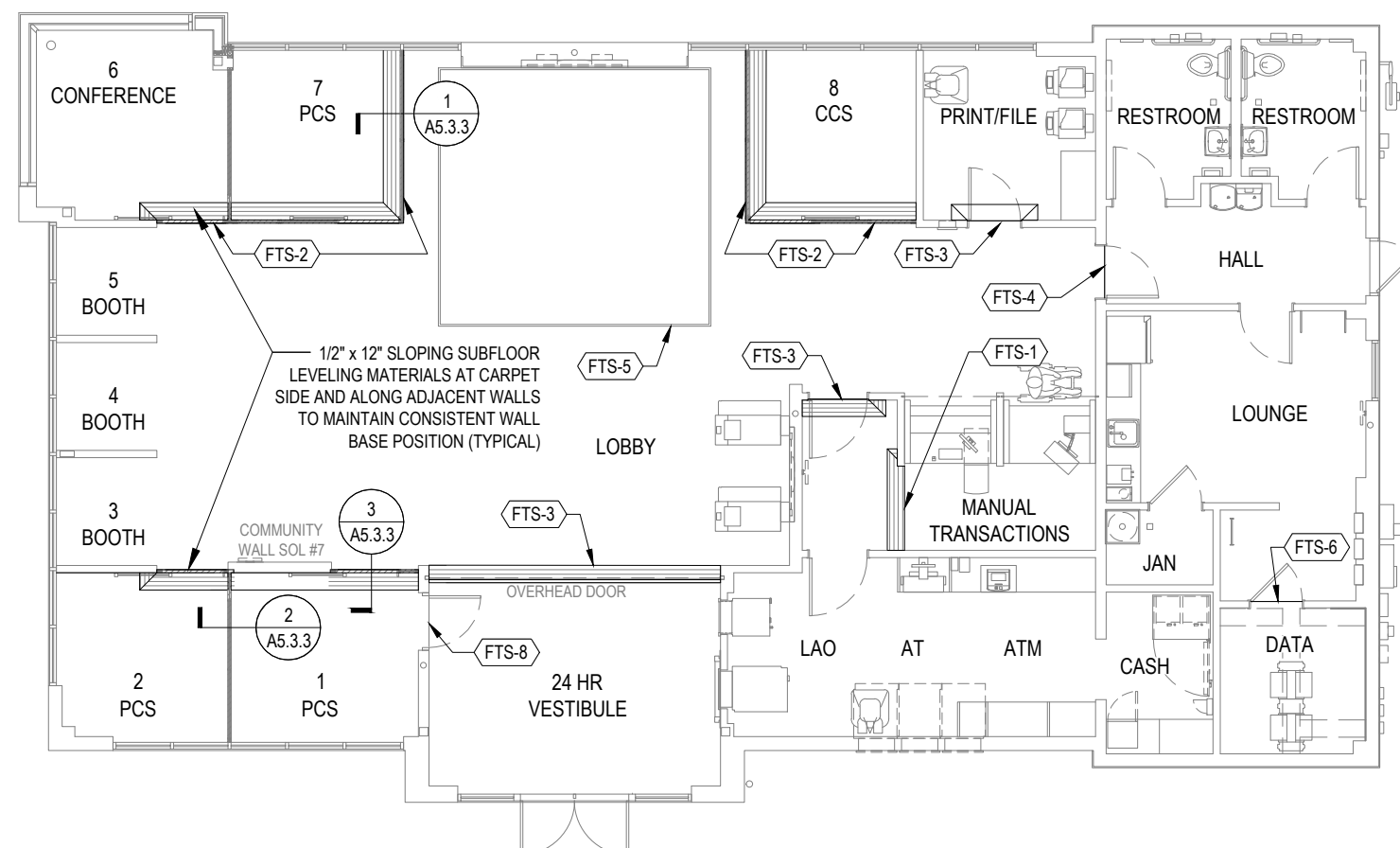
A3.3.1 3" = 1'-0"

ACCENT PAINT LOCATION GUIDELINES:  
REQUIRED AT:  
• WALLS WITH LETTERSETS  
PREFERRED AT:  
• SOFFITS WITH LETTERSETS  
• BRAND FOCAL WALLS  
• eMERCH WALLS  
• "SO YOU CAN" FEATURE WALLS  
• PAPER DOMINANT WALLS (EXCEPT BEHIND TELLER LINE)  
• LOBBY FOCAL POINTS  
NOTES:  
1. PREFERENCE TO TERMINATE ACCENT PAINT AT INSIDE CORNERS  
2. REFER TO FINISH SCHEDULE FOR ACCENT PAINT COLOR

FLOORING TRANSITION FINISHES		
MATERIAL	PALETTE	FINISH
NON-METALLIC TRANSITIONS	ALL	BLACK
METALLIC TRANSITIONS	ALL	CLEAR ANODIZED ALUMINUM
T-BAR	ALL	CLEAR ANODIZED ALUMINUM

VENDOR CONTACTS			
NOTE: CONFIRM CONTACT INFORMATION FOR APPROVED VENDORS WITH CHASE PROJECT MANAGER/COORDINATOR.			
VENDOR / MFR.	CONTACT	PHONE	E-MAIL
ACME BRICK CO.	---	708-344-1000	---
BENJAMIN MOORE	LOCAL DISTRIBUTOR		
BENTLEY PRINCE STREET	CHRIS CLARK	800-423-4709 EXT 5844	<a href="mailto:Chris.Clark@bentleymills.com">Chris.Clark@bentleymills.com</a>
BROOKSIDE VENEERS	KEVIN HALL	718-369-0526	<a href="mailto:kevinh@brooksideveneers.com">kevinh@brooksideveneers.com</a>
CARRIER	JOANNE HERTEL	315-432-7634	<a href="mailto:joanne.hertel@carrier.utc.com">joanne.hertel@carrier.utc.com</a> <a href="mailto:Strategic_Accounts1@carner.utc.com">Strategic_Accounts1@carner.utc.com</a>
CBBE	KRISTI FRANKS	770-342-8272	<a href="mailto:Kfranks@cbbe.net">Kfranks@cbbe.net</a>
CERTAINTED	LOCAL DISTRIBUTOR		
CORONADO STONE	DERICK JOHNSON	909-561-8922	<a href="mailto:derrick@coronado.com">derrick@coronado.com</a>
DAINTREE B.M.S. (CURRENT BY GE)	PETER MEGAN	603-247-3363	<a href="mailto:peter.megan@gecurrent.com">peter.megan@gecurrent.com</a>
DESIGN TEX	JULIE BRINKWORTH	800-221-1540	<a href="mailto:jbrinkworth@designtex.com">jbrinkworth@designtex.com</a>
DL COUCH	MEGAN CUDDA	800-433-0790 EXT.1113	<a href="mailto:mcuda@dlcouch.com">mcuda@dlcouch.com</a>
EMISER	AMBER SHOWALTER	323-650-2000	<a href="mailto:chase@emiser.com">chase@emiser.com</a>
FSG	ISAAH RAMDEEN	888-671-4074	<a href="mailto:jpmc@fsg.com">jpmc@fsg.com</a>
GORDON, INC.	ERIC MAU	847-797-1010	<a href="mailto:eric@mauinc.com">eric@mauinc.com</a>
HARVEY CEMENT PRODUCTS, INC.	ELLICE HERMAN CRAIG KIRK	708-833-1900 708-822-3907	
HINES, INC.	NATE HINES	870-233-7925 480-710-7474	<a href="mailto:nate@hinesinc.com">nate@hinesinc.com</a>
INTERFACE FLOR	JOE FOLEY	312-961-7046	<a href="mailto:joe.foley@interface.com">joe.foley@interface.com</a>
JOHNSONITE	LOCAL DISTRIBUTOR		
LLUMAR	SCOTT CURRY LISA BOAZ	888-257-5470	
LUMENOMICS, LLC	MARTI HOFFER	206-327-9037	<a href="mailto:chaseteam@lumenomics.com">chaseteam@lumenomics.com</a>
MADICO	LOCAL DISTRIBUTOR	---	---
MAPES ARCHITECTURAL CANOPIES	CHAD FREEBURGER	888-273-1132	<a href="mailto:cfreeberger@mapes.com">cfreeberger@mapes.com</a>
MATTHEWS PAINT	LOCAL DISTRIBUTOR	---	---
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NEVAMAR	LOCAL DISTRIBUTOR	---	---
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PHOTOVOLTAIC SYSTEM (FUTURE)	CHRIS ROGGE	913-458-8110	<a href="mailto:RoggeC@tv.com">RoggeC@tv.com</a>
PIONEER MILLWORKS	JERED SLUSSER	800-951-9663	<a href="mailto:jered@pioneermillworks.com">jered@pioneermillworks.com</a>
PIONITE	LOCAL DISTRIBUTOR	---	---
PRINCIPLE USA	CHASE HEARING LOOP PROJECT MANAGER	865-692-4104	<a href="mailto:ChaseHearingLoop@principleglobal.com">ChaseHearingLoop@principleglobal.com</a>
PULP STUDIOS	ALEX ROSUL	216-227-1801	<a href="mailto:arosul@shcglobal.net">arosul@shcglobal.net</a>
QMI SECURITY SOLUTIONS	KEVIN BECERRA	800-446-2500	<a href="mailto:kbecerra@qmisa.com">kbecerra@qmisa.com</a>
ROLL-A-SHADE	DEANNA MCCOY	951-245-5077	<a href="mailto:Deanna.McCoy@RollAShade.com">Deanna.McCoy@RollAShade.com</a>
SBEMCO	MARK TUCCI	800-468-0860 X:51	<a href="mailto:mtucci@mattingbydesign.com">mtucci@mattingbydesign.com</a>
SHERWIN-WILLIAMS	LOCAL DISTRIBUTOR	---	---
STEELCASE (EMPIRE OFFICE)	MARIBETH CAREY	212-607-5568	<a href="mailto:MCarey@EmpireOffice.com">MCarey@EmpireOffice.com</a>
STONE SOURCE	DAVID SELTZER	212-979-6400	<a href="mailto:DSELTZER@STONESOURCE.COM">DSELTZER@STONESOURCE.COM</a>
TELLEREX	BRIAN LECHLITNER	888-395-0170	<a href="mailto:brian.lechlitrner@tellerex.com">brian.lechlitrner@tellerex.com</a>
TELEPRESENCE (CHASE GTI)	TODD YORK	972-324-8100	<a href="mailto:todd.york@jpmorgan.com">todd.york@jpmorgan.com</a>
USG	EDDIE LOPEZ	312-436-8007	<a href="mailto:HXLopez@usg.com">HXLopez@usg.com</a>
WASTE WISE PRODUCTS, INC	PAUL DECONINCK	877-680-8361	---
WEATHERMATIC	BRODIE BRUNER	972-926-2170	<a href="mailto:Brodie.Bruner@weathermatic.com">Brodie.Bruner@weathermatic.com</a>
WILSONART	LOCAL DISTRIBUTOR	---	---

G.C. TO OBTAIN THE MOST UP-TO-DATE PROJECT SPECIFIC VENDOR LIST FROM THE CHASE PROJECT MANAGER.



### FLOORING TRANSITION GUIDELINE

SAMPLE FLOORPLAN AND PROGRAM AREAS FOR REFERENCE

NOTE: NOT ALL ITEMS MAY BE USED IN THIS PROJECT.

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999



COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LCSURS
VERSION:	SE_1.00

INTERIOR FINISH SCHEDULE  
FLOOR TRANSITION TYPES &  
FINISHES SCHEDULE  
VENDOR CONTACTS

SHEET NUMBER

A3.3.1







P:\J.P. Morgan Chase Lee's Summit, MO Hwy 291 and SE Langford Rd\JPM27135.001\AMEP\Drawings\A3.4.1\_Hwy 291 and NE Langford Rd\_JPM\_Furniture\A3.4.1Furniture.dwg  
Wednesday, December 9, 2020 4:55:47 PM

FURNITURE SCHEDULE															
GROUP	OGL TAG	DESCRIPTION	VENDOR	VENDOR #	MANUFACTURER	MODEL	FINISH	FURNISHED BY				INSTALLED BY			
								OWNER	GC	EQUIP. VENDOR	FURN. VENDOR	OWNER	GC	EQUIP. VENDOR	FURN. VENDOR
FILES	2AF	30" 2-DRAWER LATERAL FILE	EMPIRE	2A1	STEELCASE	900 SERIES	MF-1				■				■
	2AP	15" PEDESTAL BBF	EMPIRE	2A1	STEELCASE	900 SERIES	MF-1								■
	2AW	30" 2-DRAWER LATERAL FILE W/ WOOD TOP	EMPIRE	2A1W	STEELCASE	901 SERIES	OAK COMPOSITE				■				■
	2BF	36" 2-DRAWER LATERAL FILE	EMPIRE	2B1	STEELCASE	900 SERIES	MF-1								■
	2BP	15" PEDESTAL BBF	EMPIRE	2B1	STEELCASE	900 SERIES	MF-1								■
	2BW	36" 2-DRAWER LATERAL FILE W/ WOOD TOP	EMPIRE	2B1W	STEELCASE	901 SERIES	OAK COMPOSITE				■				■
	2CF	42" 2-DRAWER LATERAL FILE	EMPIRE	2C1	STEELCASE	900 SERIES	MF-1								■
	2CP	15" PEDESTAL BBF	EMPIRE	2C1	STEELCASE	900 SERIES	MF-1								■
	2CW	42" 2-DRAWER LATERAL FILE W/ WOOD TOP	EMPIRE	2C1W	STEELCASE	901 SERIES	OAK COMPOSITE				■				■
	3A	30" 3-DRAWER LATERAL FILE	EMPIRE	3A1	STEELCASE	900 SERIES	MF-1								■
	3B	36" 3-DRAWER LATERAL FILE	EMPIRE	3B1	STEELCASE	900 SERIES	MF-1								■
	3C	42" 3-DRAWER LATERAL FILE	EMPIRE	3C1	STEELCASE	900 SERIES	MF-1				■				■
	5A	30" 5-DRAWER LATERAL FILE	EMPIRE	5A1	STEELCASE	900 SERIES	MF-1								■
	5B	36" 5-DRAWER LATERAL FILE	EMPIRE	5B1	STEELCASE	900 SERIES	MF-1								■
	5C	42" 5-DRAWER LATERAL FILE	EMPIRE	5C1	STEELCASE	900 SERIES	MF-1				■				■
LOUNGE	LC	5-TIER LOCKERS (15"D x 15"W x 72"H)	EMPIRE	FLC-11	PENCO	---	028 GRAY				■				■
	BT4-A	LOUNGE TABLE, 36" DIA.	EMPIRE	FT-14	STEELCASE	853600	CLEAR MAPLE								■
	BT4-B	LOUNGE TABLE, 48" DIA.	EMPIRE	FT-14 48	STEELCASE	853600	CLEAR MAPLE				■				■
	BT4-C	LOUNGE TABLE, 60x35	EMPIRE	FT-14 60X35	STEELCASE	853600	CLEAR MAPLE								■
	BS	LOUNGE CHAIR	EMPIRE	FS-14	TURNSTONE	TS37101	BLACK								■
---	TALL KITCHEN TRASH RECEPTACLE	CHASE BP GROUP	---	---	---	---	---	■				■			
JANITOR'S CLOSET / GENERAL STORAGE	WS-1	WIRE SHELIVING - HANG TRACK	---	---	CLOSETMAID	282400, 282600, 283600	WHITE				■			■	
		WIRE SHELIVING - STANDARD	---	---	CLOSETMAID	280000, 280100, 280800, 281200, 280400	WHITE				■			■	
		WIRE SHELIVING - 12" SHELF ("SUPERSLIDE")	---	---	CLOSETMAID	471400, 471700, 471800, 471900	WHITE				■			■	
		WIRE SHELIVING - 12" BRACKET	---	---	CLOSETMAID	5285300	WHITE				■			■	
		WIRE SHELIVING - 16" SHELF ("CLOSE MESH")	---	---	CLOSETMAID	139500, 3731800	WHITE						■	■	
		WIRE SHELIVING - 16" BRACKET	---	---	CLOSETMAID	5285400	WHITE				■			■	
LIVING ROOM/ LOBBY	OT-20A	KIMBERLY TABLE- 36"DIA X 21"H	EMPIRE		STEELCASE	CUSTOM	PLANKED OAK					■			■
	OT-20B	KIMBERLY TABLE- 30"DIA X 18"H	EMPIRE		STEELCASE	CUSTOM	PLANKED OAK					■			■
	OT-20C	KIMBERLY TABLE- 25"DIA X 15"H	EMPIRE		STEELCASE	CUSTOM	PLANKED OAK					■			■
	OT-20D	KIMBERLY TABLE- 20"DIA X 18"H	EMPIRE		STEELCASE	CUSTOM	PLANKED OAK					■			■
	OT-21	GINGKO WIRE CAFÉ TABLE- 30" DIA	EMPIRE		DAVIS	GINGKO	PLANKED OAK TOP, BLACK BASE								
	CH-322	ALWAYS LOUNGE CHAIR	EMPIRE		NAUGHTONE	ALWAYS	GEIGER- IOTA- NAVY, BLACK BASE					■			■
	CH-323	STYLEX SHARE SOFA- CURVED	EMPIRE		STYLEX	SHARE	DESIGNTEX: WOOLISH- OSPREY, BLACK MATTE LEGS					■			■
	CH-324	STYLEX SHARE SOFA- CURVED 1/2 UPHOLSTERED, 1/2 VINYL	EMPIRE		STYLEX	SHARE	BLACK METAL SLED FRAME, BACK OF SOFA UPHOLSTERY: DESIGNTEX: BARKCLOTH-CHARCOAL, SEAT OF SOFA UPHOLSTERY: DESIGNTEX: SORANO-KEYSTONE					■			■
	CH-325	DRT CHAIR - ALWAYS CHAIR	EMPIRE		NAUGHTONE	ALWAYS	DESIGNTEX: EVERYWHERE TEXTURE- STORM					■			■
	PF	WHIMSY POUF	EMPIRE		NATIONAL	WHIMSY	BLACK STRAP HANDLE, UPHOLSTERY: DESIGNTEX: SPANDAU-COGNAC					■			■
	FS-3	STOOL-CAFÉ HEIGHT	EMPIRE		GORDON	FORMULA	BLACK MATTE FRAME, UPHOLSTERY: DESIGNTEX: HYDE STONE					■			■
	TP	TELEPRESENCE SIDE TABLE- LIVING ROOM	GTI		SALAMANDER	CUSTOM	NATURAL OAK-NOT TEXTURED				■			■	
	DRT	DINING ROOM TABLE (4 OR 6 PERSON)	CBBE	34X72 34X96	CBBE	CUSTOM	STAIN TO MATCH: OAK					■			■
	CR-2 3619	COFFEE CREDENZA, 36x19	EMPIRE	36X19	STEELCASE	TBD	OAK, SILVER BIRCH CORIAN					■			■
	CR-2 4819	COFFEE CREDENZA, 48x19	EMPIRE	48X19	STEELCASE	TBD	OAK, SILVER BIRCH CORIAN					■			■
	CR-2 6019	COFFEE CREDENZA, 60x19	EMPIRE	60X19	STEELCASE	TBD	OAK, SILVER BIRCH CORIAN					■			■
	CT	CAFÉ TABLE- HIGH TOP	EMPIRE	30D, 36D	COALESSE	MONTARA	WHITE TOP, BLACK BASE					■			■
	WT	WORK TABLE- DESK HEIGHT	EMPIRE	36D	COALESSE	MONTARA	WHITE TOP, BLACK BASE					■			■
MISC.	BT-2	BOOTH TABLE WITH POWER MODULE	EMPIRE	57X30, 57X36, 57X42, 57X48	COALESSE	LAGUNITAS	WHITE TOP, BLACK BASE					■			■
	BB-1	BOOTH BENCH (QTY- 2 BENCHES)	CBBE		CBBE	CUSTOM	BACK OF BOOTH UPHOLSTERY: DESIGNTEX- WOOLISH- OSPREY, BOOTH SEAT UPHOLSTERY: DESIGNTEX: SORANO- KEYSTONE, BLACK FEET					■			■
	BB-2	DROP IN BOOTH	EMPIRE		NATIONAL	FRINGE	BACK OF BOOTH UPHOLSTERY: DESIGNTEX- WOOLISH- OSPREY, BOOTH SEAT UPHOLSTERY: DESIGNTEX: SORANO- KEYSTONE, BLACK FEET					■			■
	TD	TRAINING DESK	EMPIRE	48X30, 60X30, 72X30	COALESSE	AKIRA	ARCTIC WHITE SURFACE, BLACK BASE/CASTERS					■			■
	TC	TRAINING CHAIR	EMPIRE		COALESSE	KART	BLACK SHELL/SEAT, BLACK BASE/CASTERS, NESTING					■			■
	MST-3	MANUAL TRANSACTION MODULE - MST	EMPIRE	TC 1M	STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE					■			■
MANUAL TRANSACTIONS	AST-3	MANUAL TRANSACTION MODULE - LEFT AST	EMPIRE	TC 1AL	STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE					■			■
	AST-3	MANUAL TRANSACTION MODULE - RIGHT AST	EMPIRE	TC 1A	STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE					■			■
	ACR1	ACRYLIC RISER (1 PER AST)	CBBE	ACR1	CBBE	ACR1	CLEAR			■			■		

CONFERENCE	D-401D	CONF. TABLE WITH X BASE (72X36)	EMPIRE	72X36	STEELCASE/GORDON	---	QUARTER CUT OAK COMPOSITE, BLACK 'X' BASE				■				■
	D-401E	CONF. TABLE WITH X BASE(84X36)	EMPIRE	84X36	STEELCASE/GORDON	---	QUARTER CUT OAK COMPOSITE, BLACK 'X' BASE				■				■
	D-401F	CONF. TABLE WITH X BASE (96X48)	EMPIRE	96X48	STEELCASE/GORDON	---	QUARTER CUT OAK COMPOSITE, BLACK 'X' BASE				■				■
	CC5	CONF CREDENZA W/ WOOD TOP	EMPIRE	CCREDDW	STEELCASE	---	QUARTER CUT OAK COMPOSITE				■				■
	CC6	CONF CREDENZA W/ CORIAN TOP	EMPIRE	CCREDPWC/CCREDDWC	STEELCASE	---	QUARTER CUT OAK COMPOSITE, SILVER BIRCH CORIAN				■				■
PRIVATE CONSULTATION SPACE	D-400A / DB-400	BANKER DESK, WOOD TOP, X BASE, (36R)	EMPIRE	36DIA	STEELCASE	---	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	D-401A / DB-400	BANKER DESK, WOOD TOP, X BASE, (42R)	EMPIRE	42DIA	STEELCASE	---	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	D-401B / DB-400	BANKER DESK, OVAL, WOOD TOP, X BASE, (54X36)	EMPIRE	54X36	STEELCASE	---	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	D-401 C/ DB-400	BANKER DESK, OVAL, WOOD TOP, X BASE, (60x36)	EMPIRE	60X36	STEELCASE	---	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	HAD-2	OLOGY HEIGHT ADJUSTABLE DESK	EMPIRE		STEELCASE	OLOGY	QUARTER CUT OAK COMPOSITE TOP, BLACK ADJUSTABLE BASE				■				■
	WPD-6A	BANKER DESK PEDESTAL FILE- 18"	EMPIRE		STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	WPD-6B	BANKER DESK PEDESTAL FILE- 30"	EMPIRE		STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	WPD-7A	LATERAL FILE WITH CPU CABINET- MEDIUM OFFICE- 54"	EMPIRE		STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	WPD-7B	LATERAL FILE WITH CPU CABINET- MEDIUM OFFICE- 48"	EMPIRE		STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
	WPD-8	IWS TALL PEDESTAL FILE	EMPIRE		STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE, BLACK HARDWARE				■				■
DESK, CONFERENCE AND GUEST CHAIRS	DS	BANKER DESK AND LAO CHAIR	EMPIRE	FS-11T	STEELCASE	THINK	BLACK, NON-NESTING, ADJUSTABLE ARMS				■				■
	CH-311	BINDU CONFERENCE CHAIR- LOW BACK ON CASTERS	EMPIRE		COALESSE	BINDU	DESIGNTEX: BARK CLOTH-DARK CHARCOAL, BLACK BASE ON CASTERS				■				■
SDB	CS-3	SDB CARREL / VIEWING ROOM	EMPIRE	TRADCARREL-C	STEELCASE	CARREL	QUARTER CUT OAK COMPOSITE				■				■
	CH-320	SDB ARMLESS CHAIR	EMPIRE		STEELCASE	FORMULA	DESIGNTEX: BARKCLOTH-DARK CHARCOAL, BLACK SLED BASE				■				■



NOTE: NOT ALL EQUIPMENT MAY BE IN THE SCOPE OF THIS PROJECT.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
4000 Chippewa Street Suite 200  
St. Louis, MO 63107  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE  
SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL  
WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
--	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	J.SANCHEZ	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

FURNITURE SCHEDULE

SHEET NUMBER

A3.4.1



P:\J. Morgan Chase\Architectural\Summit, MO Hwy 291 and SE Langsford Rd\JPW\27133.001\WMEPS\_Drawing\A3.4.2\_Hwy 291 and NE Langsford Rd\_JPW\_BankEquipmentSchedule.dwg  
Wednesday, July 10, 2024 1:58:27 PM

NOTE: NOT ALL EQUIPMENT USED IN THE SCOPE OF THIS PROJECT.

BANK EQUIPMENT SCHEDULE																		
TAG	DESCRIPTION	MANUFACTURER	PRODUCT (NOTE 3)	FINISH	WEIGHT (NOTE 1)	ELECTRICAL REQUIREMENTS	FURNISHED BY					INSTALLED BY					NOTES	
							OWNER	GC	ATM VENDOR	SIGNAGE VENDOR	BANK EQUIP. VENDOR	FURN VENDOR	OWNER	GC	ATM RIGGER	SIGNAGE VENDOR		BANK EQUIP. VENDOR
BE-01A	ATM, WALK-UP, EXTERIOR, THROUGH-WALL	NCR	2045	---	1929 LB	120V / 10A DEDICATED			■						■			
		HYOSUNG	MX 7800 TR	---	1522 LB	120V / 20A DEDICATED												
	ATM SURROUND	SIGNAGE VENDOR	SUR-TTW-U-4	---	NA	120V / 3A				■						■		2
BE-01B	ATM, WALK-UP, INTERIOR, THROUGH-WALL	NCR	2045	---	1929 LB	120V / 10A DEDICATED			■						■			
		HYOSUNG	MX 7800 TR	---	1522 LB	120V / 20A DEDICATED												
	ATM SURROUND	SIGNAGE VENDOR	SUR-TTW-U-4	---	NA	120V / 3A				■						■		2
BE-02A	ATM, DRIVE-UP, ISLAND	NCR	2043	---	2194 LB	120V / 30A DEDICATED			■						■			
		HYOSUNG	MX 7800 IR	---	1918 LB	120V / 30A DEDICATED			■							■		
BE-02B	ATM, DRIVE-UP, THROUGH-WALL	NCR	6684	---	1984 LB	120V / 10A DEDICATED			■						■			
		HYOSUNG	MX 7800 DR	---	1852 LB	120V / 20A DEDICATED			■							■		
	ATM SURROUND	SIGNAGE VENDOR	SUR-TTW-U-4-TP	---	NA	120V / 3A				■						■		2
BE-03	APRON CASE	DIEBOLD	AC-225-SX + AC-1-H + M-7-UD	BLACK	NA	NONE						■					■	
		HAMILTON	HSKS103	BLACK	NA	NONE												
BE-04A	ACCESSIBLE TELLER PEDESTAL	DIEBOLD	SD-3-C-SL	BLACK	NA	NONE						■					■	
		HAMILTON	S-604	BLACK	NA	NONE												
BE-04B	ACCESSIBLE TELLER PEDESTAL WITH LOCKER	DIEBOLD	SD-3-L/LRL	BLACK	NA	NONE						■					■	
		HAMILTON	604	BLACK	NA	NONE												
BE-05	STANDARD TELLER PEDESTAL	DIEBOLD	SU-4-2C	BLACK	NA	NONE						■					■	
		HAMILTON	S-205	BLACK	NA	NONE												
BE-06	STANDARD TELLER PEDESTAL WITH LOCKERS	DIEBOLD	SU-4-L2LR2L	BLACK	NA	NONE						■					■	
		HAMILTON	S-207	BLACK	NA	NONE												
BE-07	TELLER BRG INTERCOM	PRINCIPLE USA	STS	S.S. / ALUM.	NA	120V / 1.6A	■							■				
BE-08	COMBO ATM / AHD	NCR	5285	---	2853 LB	120V / 10A				■					■			4
BE-09	NOT USED	---	---	---	---	---												
BE-10	AFTER HOURS DEPOSITORY	DIEBOLD	30901 TL-15	S.S. / BLACK	1495 LB	120V / 4A						■					■	4
		HAMILTON	14-126 LR	S.S. / TAUPE	1886 LB	120V / 4A												4
BE-11	VACUUM AIR TUBE	DIEBOLD	VAT 30 GX 89G- 13	---	---	120V / 20 A DEDICATED						■					■	
		DIEBOLD	42 - 15163	---	---	120V / 20 A DEDICATED											■	
	CASH RECYCLER	HYOSUNG	MS500	---	970 LB	120V / 12 A DEDICATED			■				■					
GLORY		RBG-100	---	550 LB	120V / 6A DEDICATED			■										
COIN DISPENSER	TELEQUIP	T-FLEX (DUAL CUPS)	---	12 LB	120V / 4A			HYOSUNG							HYOSUNG			
	GLORY	INSTACHANGE	---	10 LB	120V 1A			GLORY							GLORY			
BE-13	MAIN CASH CHEST (FULL-HEIGHT)	DIEBOLD	271-85 + 20530 + 20531 + (2) 20532 + (12) P-1500-CTK	BLACK	2922 LB	NONE						■					■	4
		HAMILTON	14-123 LR + (12) (HSCT310 + HSCT211 + HSCT303)	BLACK	3545 LB	NONE							■				■	4, 5
BE-13A	MAIN CASH CHEST (HALF-HEIGHT)	DIEBOLD	271-80 + 20531 + 20532 + (6) P-1500-CTK	BLACK	1848 LB	NONE						■					■	4
		HAMILTON	14-127 LR + (6) (HSCT310 + HSCT211 + HSCT303)	BLACK	2444 LB	NONE							■				■	4, 5
BE-13B	MAIN CASH CHEST (HALF-HEIGHT - EVERYDAY EXPRESS)	DIEBOLD	271-80 + 20531 + 20536 + 40537 + 40534	BLACK	1580 LB	NONE						■					■	4
		HAMILTON	18-029 LR	BLACK	2078 LB	NONE							■				■	4, 5
BE-14	SAFE DEPOSIT CHEST WITH BOXES	DIEBOLD	478-98	BLACK	4739 LB MAX.	NONE												
		HAMILTON (ALL 3XS)	14-124 LR	BLACK	4870 LB	NONE							■					4, 6, 7, 12
		HAMILTON (MIXED)	14-125 LR	BLACK	4430 LB	NONE												
BE-15	ATM, WALK-UP, LOBBY (V2.5.5)	HYOSUNG	MX 8700 QT	---	2094 LB	120V / 12A DEDICATED			■						■			10, 14
BE-15A	ATM, WALK-UP, LOBBY (V3.0)	HYOSUNG	MX 8200 QT	---	1432 LB	120V / 12A DEDICATED			■						■			13, 14
		CBBE	CUSTOM	BLACK	NA	NONE						■					■	13
BE-15B	WALK UP FREESTANDING MICRO ATM	HYOSUNG	MX 8100 QTN	---	1050 LB (fully loaded)	120V / 12A DEDICATED			■						■			13, 14
		CBBE	CUSTOM	BLACK	NA	NONE						■					■	13
BE-16	MICRO ATM KIOSK	HYOSUNG	CUSTOM	VARIES	---	---				■						■		
BE-17	MODULAR VAULT	DIEBOLD	CLASS 2 MODULAR 6-SIDE	NA	PANELS 123 LB/SF	NONE					■						■	11
		HAMILTON	TBD	NA	TBD	NONE												
BE-18	VAULT DOOR WITH DAY GATE	DIEBOLD	TITAN + 223-80 DAY GATE	S.S., ALUM. + GLASS	5250 LB	120V / 20A						■					■	
		HAMILTON	TBD	S.S., ALUM. + GLASS	TBD	TBD												
BE-19	VAULT SDB NESTS	DIEBOLD	LM SERIES	S.S.	1092 LB MAX. PER STACK	NA						■					■	6, 8
		HAMILTON	TBD	TBD	TBD	TBD												
BE-20	ATM V3.0 SIDE CAR	HYOSUNG	MX 8200 QT ACCESSORY UNIT	---	---	---			■						■			
BE-21	NOT USED	---	---	---	---	---												
BE-22	TELLER LINE SCANNER	CTS ELECTRONICS	LS150	NA	NA	120V / 2A	■							■				
BE-23	TELLER LINE RECEIPT PRINTER	BANKJET	1500	NA	NA	120V	■							■				
BE-24	NOT USED	---	---	---	---	---												
BE-25	UNDERCOUNTER CASH CHEST (DAY SAFE)	DIEBOLD	271-30	BLACK	823 lbs	NONE						■					■	4
		HAMILTON	14-130 LR	BLACK	1157 LB													
BE-25A	UNDERCOUNTER CASH CHEST (SMALL CASH CHEST)	DIEBOLD	271-30 + (2) 20536 + (4) P-1500-CTK	BLACK	905 LB	NONE						■					■	4, 9
		HAMILTON	14-129 LR + (3) (HSCT310 + HSCT211 + HSCT303)	BLACK	1278 LB	NONE						■					■	4, 5, 9
BE-25B	UNDERCOUNTER CASH CHEST (EVERYDAY EXPRESS BRANCHES ONLY)	DIEBOLD	DXE TL-15 11H X 17W X 20D	BLACK	267 LB	NONE						■					■	4
		HAMILTON	DEA TL-15 SMALLEST 11H X 17W X 20D	BLACK	387 LB	NONE						■					■	4
BE-26	CURRENCY COUNTER	CUMMINS	JETSCAN	NA	NA	120V / 1A	■							■				
BE-27	TELLER PIN PAD	INGENICO	IPP320	BLACK	9.41 oz	NA- POWERED VIA USB	■											
NOTES																		
1	ALL EQUIPMENT WEIGHTS ARE LISTED AS EMPTY.																	
2	8.0 SURROUND 7 1/4" AFF AT NCR UNIT, 12" AFF AT HYOSUNG UNIT.																	
3	MODEL NUMBERS ARE PROVIDED TO REFERENCE PRODUCT CUT SHEETS FOR SPACE PLANNING PURPOSES ONLY. PRIOR TO ORDERING EQUIPMENT, VERIFY MAKE / MODEL W/ CHASE BRANCH PLANNING MANAGER.																	
4	VENDOR TO INCLUDE INTERNAL CABLE DOOR STOP FOR FIELD-ADJUSTMENT BY INSTALLER TO STOP DOOR AS INDICATED IN PLAN.																	
5	INCLUDES CHEST MANUFACTURER'S LOCKERS.																	
6	INTERNAL BOX CONFIGURATION TO BE DETERMINED BY CHASE BRANCH PLANNING.																	
7	PROVIDE AMERICAN SECURITY PRODUCT CO. ESL20 DAY LOCK AT ALL SDB CHESTS IN ROOMS WITH VIEWING CARRELS.																	
8	PROVIDE MANUFACTURER'S KEY TRAYS AND MATCHING METAL CEILING AND WALL CLOSURE PANELS AS INDICATED IN DRAWINGS.																	
9	FOR USE BY EXCEPTION ONLY AT ROOMS WITH ACCESS TELLER AND NO MAIN CASH SAFE. INCLUDES INTERNAL TELLER CASH DRAWER LOCKERS.																	
10	INCLUDES MANUFACTURER'S ENCLOSURE, FLOOR POWER TRANSITION BOX, AND SIGN PANEL POWERED BY ATM.																	
11	6-SIDED, CLASS II, 9'-0" CLEAR INTERIOR HEIGHT.																	
12	PROVIDE DAY LOCK AT CHESTS LOCATED IN THE SAME ROOM AS A VIEWING CARREL.																	
13	PROVIDE WALL POWER TRANSITION BOX AT WALL INSTALLATIONS ONLY. FOR FREESTANDING INSTALLATIONS PROVIDE MANUFACTURER'S POWER TRANSITION BOX.																	
14	ATM VENDOR TO PROVIDE AND INSTALL SCREEN LOCKING BRACKETS TO MAINTAIN SCREEN POSITION WITH ALL OPERABLE PARTS WITHIN ACCESSIBLE REACH RANGE.																	

RELEASE FOR  
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AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

 **JP MORGAN CHASE, N.A.**  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP # 38200P368999

**CORE STATES**



File: J:\Projects\Chase\A3.4.3\Summit\_MO\HWY 291 and SE Langsford Rd\_LPM\A3.4.3\Drawings\A3.4.3\_Hwy 291 and SE Langsford Rd\_LPM\_OfficeEquipmentSchedule.dwg  
Wednesday, July 1, 2020 1:42:38 PM

OFFICE EQUIPMENT SCHEDULE													
TAG	DESCRIPTION	MANUFACTURER	PRODUCT	FINISH	FURNISHED BY				INSTALLED BY				NOTES
					OWNER	GC	EQUIP VENDOR	FURN VENDOR	OWNER	GC	EQUIP VENDOR	FURN VENDOR	
OE-01-BW	MULTI-FUNCTIONAL DEVICE (MFD) - BW	LEXMARK	MX710	PUTTY	■				■				
	SWIVEL BASE	LEXMARK	3052765	BLACK	■				■				
	5.1" SPACER	LEXMARK	30G0854	PUTTY	■				■				
	550 SHEET DRAWER	LEXMARK	30G0802	PUTTY	■				■				
OE-01-C	MULTI-FUNCTIONAL DEVICE (MFD) - COLOR	LEXMARK	6560TE	PUTTY	■				■				
	SWIVEL BASE	LEXMARK	3052765	BLACK	■				■				
	5.1" SPACER	LEXMARK	30G0854	PUTTY	■				■				
	550 SHEET DRAWER	LEXMARK	30G0802	PUTTY	■				■				
OE-02	NOT USED												
OE-03	MICR 9720 PRINTER	SOURCE TECHNOLOGIES	R0008912	---	■				■				
	MICR 9720 LOCKING DRAWER	SOURCE TECHNOLOGIES	R0007399	---	■				■				
	MICR 9720 UNDERCOUNTER STAND	BRETTFORD	C151A2188209	BLACK	■				■				
OE-04	ADA MONITOR & KEYBOARD STAND	HUMANSCALE	QSLBHD	BLACK				■				■	
OE-05	KEYBOARD TRAY	HUMANSCALE	---	BLACK				■				■	
OE-06	23" MONITOR AND STAND	TBD	TBD	WHITE	■				■				ALL MONITORS EXCEPT AST
	PRIVACY SCREEN FILTER	VARIES	VARIES	---	■				■				
	SOUND BAR	TBD	TBD	WHITE	■				■				
OE-07	TELLER CPU	HP	N8P49US#ABA	BLACK	■				■				
OE-08	WIRED KEYBOARD & MOUSE	LOGITECH	MK520	WHITE	■				■				
OE-09	NOT USED												
OE-10	NOT USED												
OE-11	ACCESS TELLER MONITOR STAND	HUMANSCALE	QSBH30FNN	WHITE									
OE-12	DESK MONITOR ARM	HUMANSCALE	MFLEX	GRAY				■				■	POLE-MOUNT THROUGH GROMMET
OE-13	NOT USED												
OE-14	23" MONITOR LESS STAND	TBD	TBD	WHITE	■				■				AST MONITOR
	PRIVACY SCREEN FILTER	VARIES	VARIES	---	■				■				
	SOUND BAR	TBD	TBD	WHITE	■				■				
OE-15	VDI TERMINAL	HP	T630	BLACK	■				■				
	VDI TERMINAL ADAPTER			---	■				■				
OE-16	WIRELESS KEYBOARD AND MOUSE	LOGITECH	K520, M310, Unifying Receiver	BLACK	■				■				
OE-17	NOT USED												
OE-18	CPU/VDI UNDER SURFACE MOUNT	HUMANSCALE	CPU200	WHITE BR ALUM.				■				■	UNDER SURFACE MOUNT WITH 360 DEGREE SWIVEL CAPABILITY
OE-19	NOT USED												
OE-20	NOT USED												
OE-21	NOT USED												
OE-22	NOT USED												
OE-23	NOT USED												
OE-24A	NOT USED												
OE-24B	NOT USED												
OE-24C	NOT USED												
OE-25	NOT USED												
OE-26	NOT USED												
OE-27	PLATFORM STATION WIRED 10-KEY KEYPAD	CONTROL INC	A0674838	BLACK	■					■			
OE-28	PHONE	CISCO	IP 7962	BLACK	■					■			
OE-28-V	PHONE - VIDEO PHONE	CISCO	CP-8865-K9	CHARCOAL	■					■			
OE-29	CUSTOMER UNIVERSAL CHARGING STATION	CHARGE TECH	CHW2	BLACK	■					■			

MISCELLANEOUS EQUIPMENT SCHEDULE													
TAG	DESCRIPTION	MANUFACTURER	PRODUCT	FINISH	FURNISHED BY				INSTALLED BY				NOTES
					OWNER	GC	EQUIP VENDOR	FURN VENDOR	OWNER	GC	EQUIP VENDOR	FURN VENDOR	
ME-01	SHRED BIN	---	---	---	■				■				FURNISHED & INSTALLED BY CHASE FACILITIES GROUP
ME-02	DUAL BAND QUEUE ROPES AND STANCHIONS	LAWRENCE METALS	TENSABARRIER	BLACK		■				■			REFER TO FLOOR PLANS FOR QUANTITIES
	POST WITH BELT	LAWRENCE METALS	889 DUAL	BLACK		■				■			
	POST WITHOUT BELT	LAWRENCE METALS	889 T2U-33-RCV	BLACK		■				■			
ME-03	BRUSH EXTRUSION KIT	DOUG MOCKETT	BRKIT1	BLACK		■		■		■		■	FURNITURE OR MILLWORK VENDOR TO COORDINATE WITH OWNER FOR REQUIRED OPENING
ME-04	HALF ROUND WASTE RECEPTACLE	RUBBERMAID COMMERCIAL	FGS08SSSPL	STAINLESS STEEL		■				■			(1) COUNT - IN MAIN LOBBY
	EXTERIOR WASTE RECEPTACLE	RUBBERMAID	FGS3ETBKPL	BLACK		■				■			
ME-05	ANCHOR KIT	HILTI	3.3.8 KWIK Bolt 3	N/A		■				■			
ME-06	MUSIC PLAYER AND SPEAKERS	MOOD MEDIA	PROFUSION IS	BLACK	■					■			
ME-08	DUAL-CONTROL KEY BOX	BLOCK AND COMPANY	STEELMASTER #201SP8801	GRAY	■					■			
ME-09A	BULLETIN BOARD	QUARTET	QRT 303	---		■				■			AVAILABLE FROM OFFICE DEPOT/MAX. 'OR EQUAL' SUBSTITUTIONS PERMITTED BASED ON LOCAL AVAILABILITY- 36"W x 24"H NATURAL CORK WITH OAK FRAME.
ME-09B	DRY ERASE BOARD	QUARTET	EMA 203	---		■				■			AVAILABLE FROM OFFICE DEPOT/MAX. 'OR EQUAL' SUBSTITUTIONS PERMITTED BASED ON LOCAL AVAILABILITY- 36"W x 24"H ALUM. FRAME WITH PEN LEDGE AND WHITE MELAMINE SURFACE.
ME-09C	MAGNETIC STRIP BULLETIN BOARD	THREE BY THREE	31189 (8 REQUIRED)	NAVY BLUE		■				■			EIGHT 28" X 2.5" PAINTED METAL STRIPS WITH INCLUDED SCREWS AND MAGNETS ADHERED TO WALL WITH 3M SCOTCH OR EQUAL PERMANENT DOUBLE-SIDED FOAM MOUNTING TAPE.
ME-11	TABLET CHARGING CABINET	KENSINGTON	K67862AM	BLACK	■					■			PROVIDE AND INSTALLED BY CHASE GTL
ME-12	RECESSED ATM KEY BOX	TELLEREX	RECESSED TRACCESS BOX	BLACK		■				■			

OFFICE EQUIPMENT BY PROGRAMMATIC ELEMENT				
PROGRAMMATIC ELEMENT				
ABBREV.	DESCRIPTION	TAG	QTY.	DESCRIPTION
MST  PST  AT	MERCHANT SERVICES TELLER, PERSONAL SERVICES TELLER, OR ACCESS TELLER	OE-06	1	23" MONITOR AND STAND
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-07	1	TELLER CPU
		OE-08	1	WIRED KEYBOARD & MOUSE
AST	ACCESSIBLE SERVICES TELLER	OE-10	1	WIRE MANAGEMENT KIT
		OE-04	1	ADA MONITOR & KEYBOARD STAND
		OE-07	1	TELLER CPU
		OE-08	1	WIRED KEYBOARD & MOUSE
		OE-10	1	WIRE MANAGEMENT KIT
		OE-14	1	23" MONITOR - LESS STAND
			1	PRIVACY SCREEN FILTER
LAO	LEAD ASSOCIATE OPERATIONS	OE-05	1	KEYBOARD TRAY
			1	23" MONITOR AND STAND
			1	PRIVACY SCREEN FILTER
		OE-07	1	SOUND BAR
			1	TELLER CPU
		OE-08	1	WIRED KEYBOARD & MOUSE
		OE-10	1	WIRE MANAGEMENT KIT
DRT	DINING ROOM TABLE	OE-29	1	CUSTOMER UNIVERSAL CHARGING STATION
BOOTH		OE-06	1	23" MONITOR AND STAND
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-15	1	VDI TERMINAL
			1	VDI TERMINAL ADAPTER
		OE-16	1	WIRELESS KEYBOARD AND MOUSE
		OE-18	1	CPU/VDI UNDER SURFACE MOUNT
		OE-28	1	PHONE
OE-29	1	CUSTOMER UNIVERSAL CHARGING STATION		
CCS	CASUAL CONSULTATION SPACE	OE-06	1	23" MONITOR
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-12	1	MONITOR ARM
		OE-15	1	VDI TERMINAL
			1	VDI TERMINAL ADAPTER
		OE-16	1	WIRELESS KEYBOARD AND MOUSE
		OE-27	1	PLATFORM STATION WIRED 10-KEY KEYPAD
OE-28	1	PHONE		


PCS	PRIVATE CONSULTATION SPACE	OE-06	1	23" MONITOR AND STAND
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-12	1	MONITOR ARM
			OE-15	1
		1		VDI TERMINAL ADAPTER
		OE-16	1	WIRELESS KEYBOARD AND MOUSE
		OE-27	1	PLATFORM STATION WIRED 10-KEY KEYPAD
OE-28	1	PHONE		
	CONFERENCE ROOM  MARKET CONFERENCE SPACE	OE-06	1	23" MONITOR
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-12	1	MONITOR ARM
			OE-15	1
		1		VDI TERMINAL ADAPTER
		OE-16	1	WIRELESS KEYBOARD AND MOUSE
		OE-27	1	PLATFORM STATION WIRED 10-KEY KEYPAD
OE-28	1	PHONE		
IWS	INDIVIDUAL WORK SPACE	OE-06	1	23" MONITOR AND STAND
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-15	1	VDI TERMINAL
			1	VDI TERMINAL ADAPTER
		OE-16	1	WIRELESS KEYBOARD AND MOUSE
		OE-27	1	PLATFORM STATION WIRED 10-KEY KEYPAD
		OE-28	1	PHONE
NOTES				
1.	MONITOR ARM PROVIDED AND INSTALLED BY FURNITURE VENDOR. ALL OTHER SCHEDULED EQUIPMENT PROVIDED BY CHASE GLOBAL TECHNOLOGY INFRASTRUCTURE (GTI).			
2.	IF SPACE IS BEING DESIGNED TO ACCOMMODATE A VIDEO ADVISOR, MANAGING DIRECTOR OR REGIONAL DIRECTOR, ADD AV SOLUTION 4			
3.	IF TABLE IS CENTERED IN ROOM AND FLOOR POWER/ DATA CONNECTIONS ARE PROVIDED, ADD CPU/VDI UNDER-SURFACE MOUNT [OE-18]			
4.	ONE OFFICE TO RECEIVE 2-ARM MONITOR STAND, LOCATION TO BE DETERMINED BY BRANCH PLANNING MANAGER DURING TURNOVER.			

NOTE: NOT ALL EQUIPMENT USED IN THE SCOPE OF THIS PROJECT.

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08/13/2021



JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP#38200P368999



6500 CHippewa Street Suite 200  
St. Louis, MO 63109  
314.945.4250  
www.core-states.com

COA #: A-2014026908

ARCHITECT OF RECORD



THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LasURS
VERSION:	SE_1.00

SHEET TITLE
OFFICE EQUIPMENT BY PROGRAMMATIC ELEMENT OFFICE EQUIPMENT SCHEDULE MISCELLANEOUS EQUIPMENT SCHEDULE

SHEET NUMBER
--------------

A3.4.3







APPLIANCE SCHEDULE										
TAG	DESCRIPTION	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	REQUIREMENTS	FINISH	FURNISHED BY		INSTALLED BY		NOTES
						OWNER	GC	OWNER	GC	
A-01	2.2 CU. FT. MICROWAVE	GE	PE57227DLBB	ADA-COMPLIANT	BLACK		■		■	ALT. 1.4+ CF ADA-COMPLIANT SUBSTITUTIONS PERMITTED
A-02	NOT USED	---	---	---	---	---	---	---	---	---
A-03	FULL-SIZE REFRIGERATOR	FRIGIDAIRE	FFHT1814QB	ADA-COMPLIANT ENERGY STAR	BLACK		■		■	ALT 18+ CF TOP-FREEZER SUBSTITUTIONS PERMITTED
		WHIRLPOOL	WRTS41SZDB							
A-04	NOT USED									
A-05	NOT USED	---	---	---	---	---	---	---	---	---
A-06	COFFEE MAKER	BY OWNER	---		---	■		■		G.C. TO PROVIDE 1/4" COPPER WATER SUPPLY FOR FINAL CONNECTION BY OWNER
A-07	WATER PURIFIER	BY OWNER	---		---	■		■		G. C. TO PROVIDE 1/4" COPPER WATER SUPPLY FOR FINAL CONNECTION BY OWNER

RESTROOM ACCESSORIES SCHEDULE					
TAG	DESCRIPTION	MFR.	MODEL	FINISH	NOTES
TA-01	TOILET TISSUE DISPENSER	BOBRICK	B-2888	S.S.	1, 6
TA-02	UNIVERSAL C-FOLD / MULTI-FOLD PAPER TOWEL DISPENSER	BOBRICK	B-262	S.S.	1
TA-03	WASTE RECEPTACLE	BOBRICK	B-279	S.S.	6
TA-04	GRAB BARS	BOBRICK	B-5806 SERIES	S.S.	6
TA-05	MIRROR	BOBRICK	B-165 2448	S.S.	6
TA-06	FOAM SOAP DISPENSER: LAV.-MOUNT, LONG SHANK, 4" SPOUT	BOBRICK	B-823	POL. S.S.	1, 2, 6
TA-06 (OPT.)	LIQUID SOAP DISPENSER: LAV.-MOUNT, LONG SHANK, 4" SPOUT	BOBRICK	B-822	POL. S.S.	1, 2, 6
TA-07	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	S.S.	6
TA-08	TOILET SEAT COVER DISPENSER	BOBRICK	B-4221	S.S.	6
TA-09	SHELF	GAMCO	B-7816	S.S.	4, 6
TA-10	BABY CHANGING STATION (ONLY WHERE CODE REQUIRED)	GAMCO	BCS-2	GREY HOPE	4, 5, 6

NOTES:	
1. G.C. TO VERIFY OPTION PREFERENCE WITH OWNER'S LOCAL FACILITIES MANAGER.	
2. FIELD-CUT SOAP DISPENSER SHANK TO MINIMIZE RESERVOIR EXPOSURE.	
3. AGR TO COORDINATE DISPENSER POSITION TO MAINTAIN ACCESSIBLE REACH RANGE AND PATH TO DISPENSER AND ADJACENT FIXTURES	
4. AVAILABLE FROM BOBRICK.	
5. BABY CHANGING STATION TO BE PROVIDED ONLY WHEN REQUIRED BY A.H.J.. MOUNT FOR ACCESSIBILITY COMPLIANCE, AT HEIGHT OF 27" A.F.F., HANDLE < 44" AFF.	
6. PROVIDE IN ALL RESTROOMS, MEN / WOMEN / UNISEX.	


ELECTRICAL DEVICE FINISHES			
LOCATION		LUTRON	LEVITON, LEGRAND
SURFACE	FINISH		
CEILINGS AND SOFFIT FACES		WHITE	WHITE
TYPICAL WALL		WHITE	WHITE
COMMUNITY WALL		RECESSED BLACK	RECESSED BLACK

NOTE: NOT ALL ITEMS MAY BE INCLUDED IN THE SCOPE OF THIS PROJECT.

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LEE'S SUMMIT, MISSOURI  
08/13/2021




JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999



CORESTATES, INC.  
6500 CHippewa Street Suite 200  
St. Louis, MO 63109  
314.940.4200  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT  
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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LASURS
VERSION:	SE_1.00

SHEET TITLE
APPLIANCE SCHEDULE RESTROOM ACCESSORIES ELECTRICAL DEVICES FINISHES
SHEET NUMBER

A3.5



RELEASE FOR  
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AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
4000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.corestates.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL,  
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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

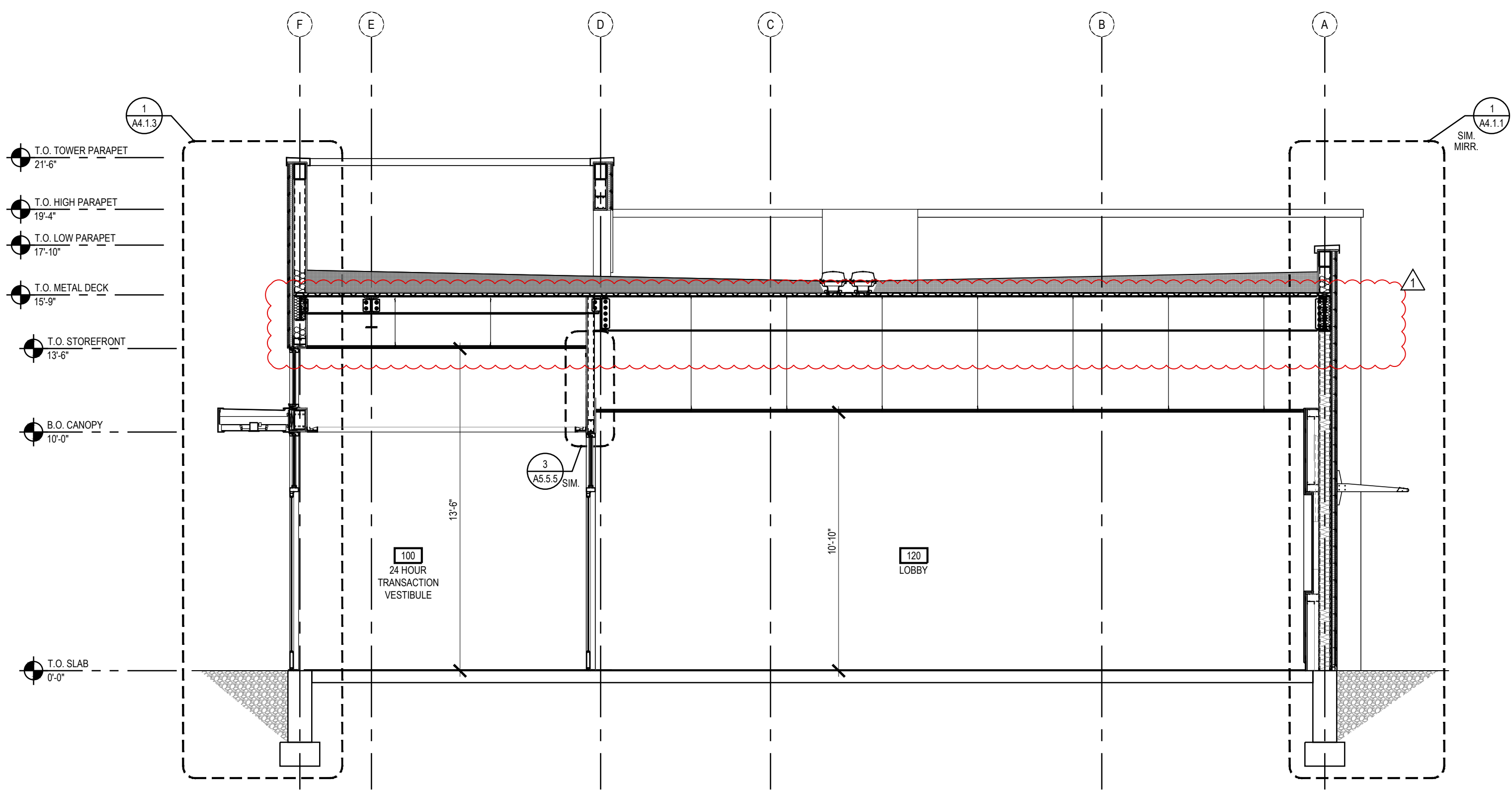
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PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

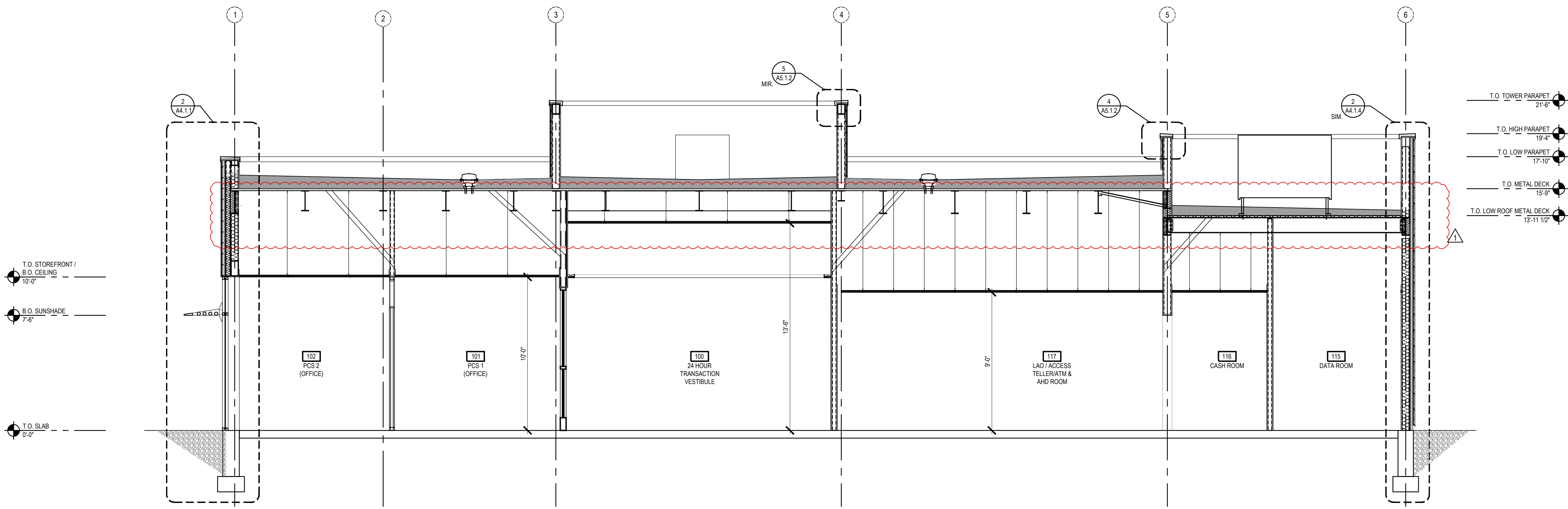
BUILDING SECTIONS

SHEET NUMBER

A4.0.0



2 BUILDING SECTION  
A4.0 1/4" = 1'-0"



1 BUILDING SECTION  
A4.0 1/4" = 1'-0"





ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

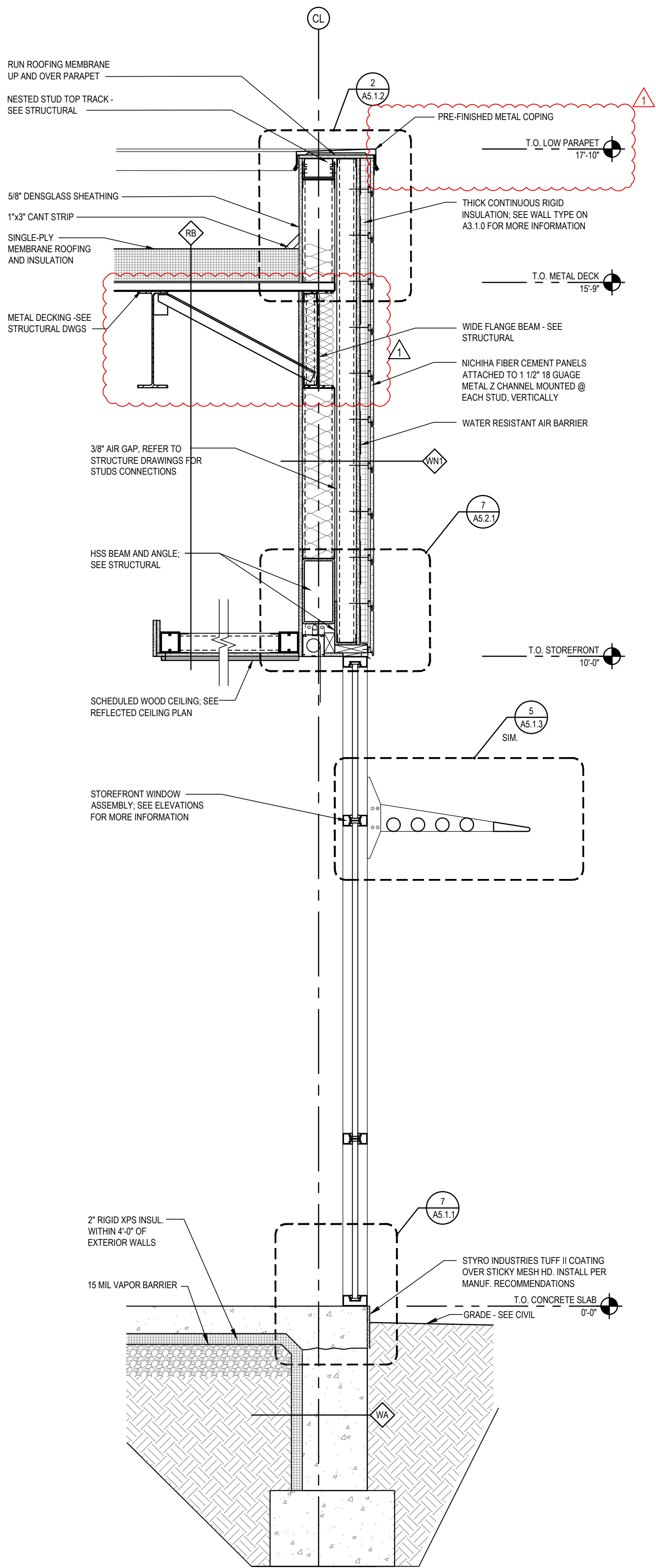
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PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE.1.00	

SHEET TITLE

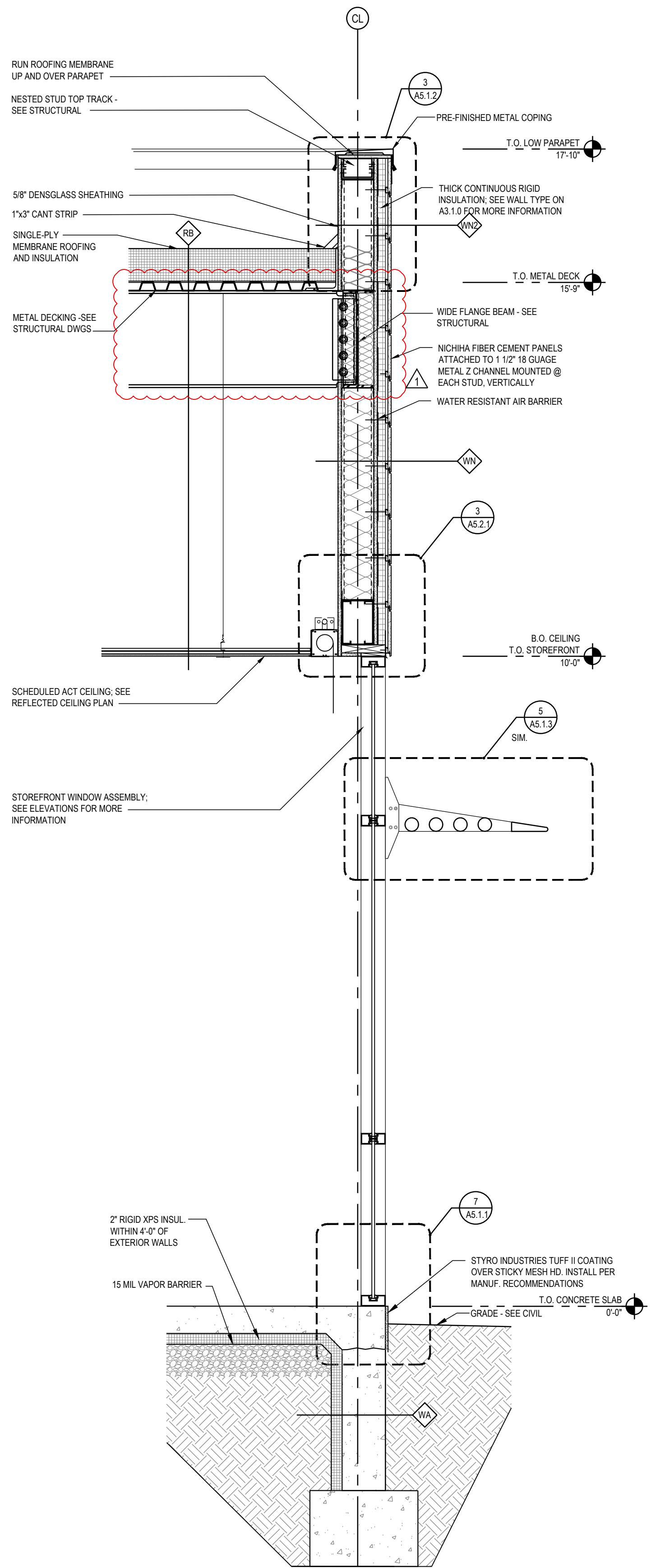
WALL SECTIONS:  
LOW PARAPET TYPICAL  
STOREFRONT OPENINGS

SHEET NUMBER

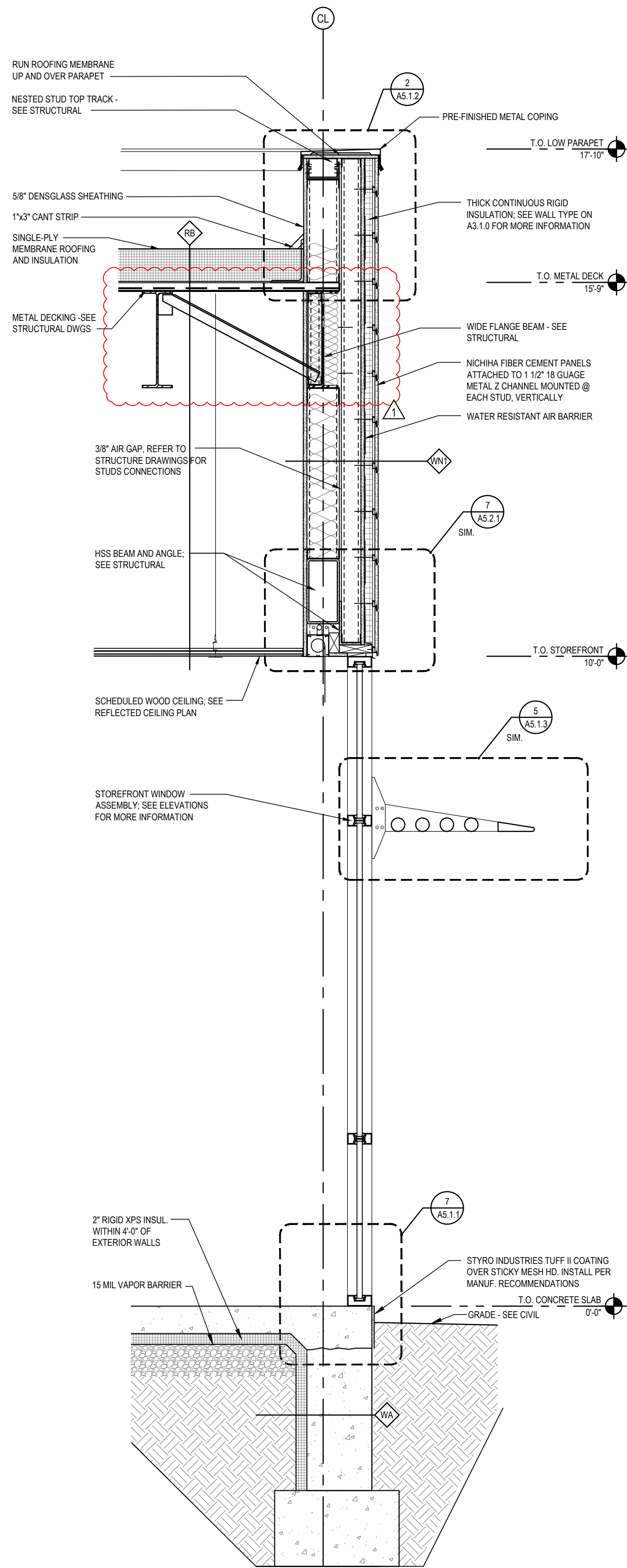
A4.1.1



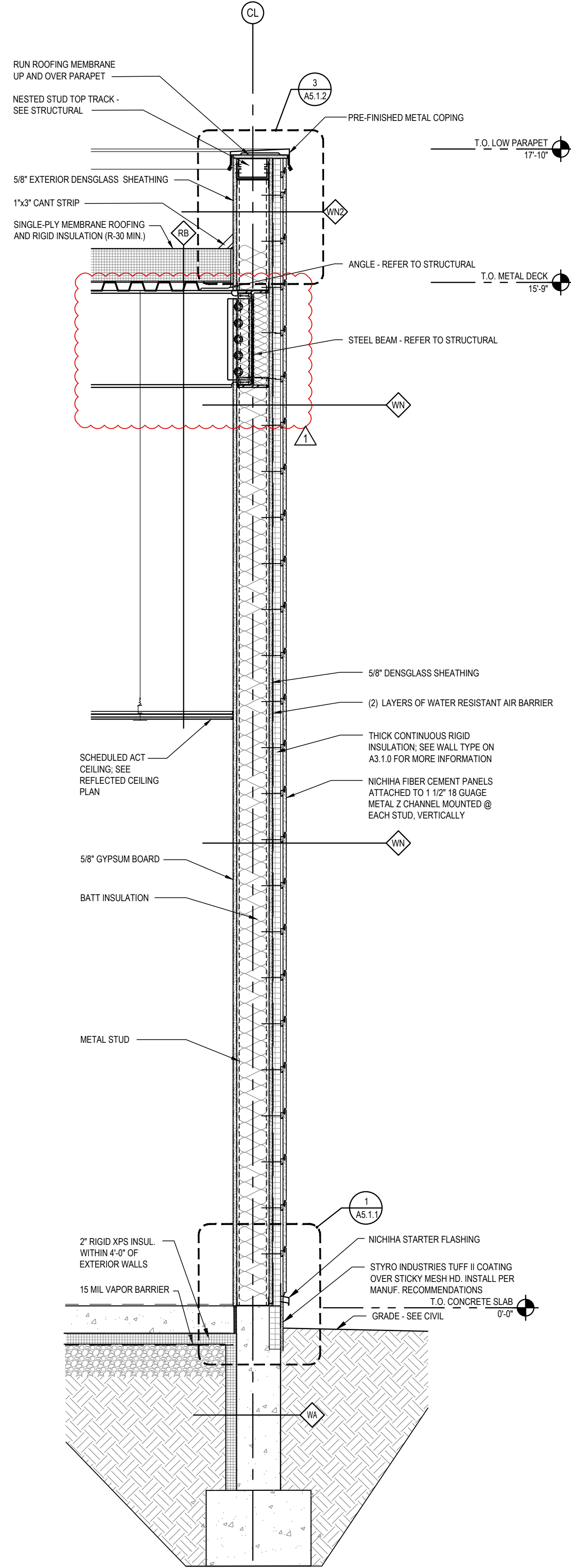
4  
A4.1.1  
HIGH ROOF DOUBLE WALL SECTION (BOOTHS)  
3/4" = 1'-0"



3  
A4.1.1  
WALL SECTION AT  
STOREFRONT- NICHHA  
3/4" = 1'-0"



2  
A4.1.1  
HIGH ROOF DOUBLE WALL SECTION (OFFICE)  
3/4" = 1'-0"



1  
A4.1.1  
WALL SECTION AT HIGH ROOF/  
LOW PARAPET NICHHA  
3/4" = 1'-0"





COA #: A-201402690



ARCHITECT: R. BRUCE LASUR  
LICENSE NUMBER: 007504

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[illegible]

PROJECT INFORMATION

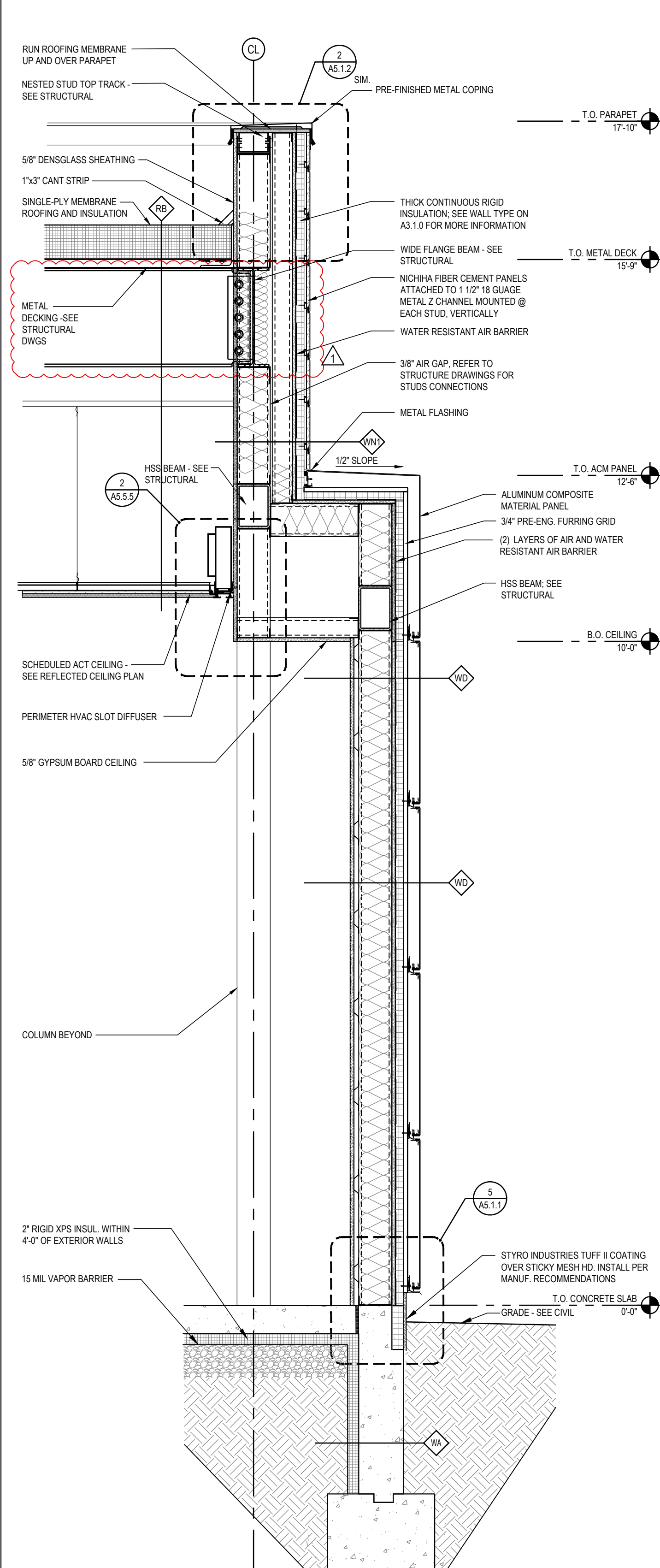
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DATE:	2020.12.2
<b>PROTOTYPE:</b>	<b>20.</b>
DRAWN BY:	C.THEBEA
CHECKED BY:	B.LaSUR
VERSION:	SE 1.0

VERSIO
SHEET TITLE

WALL SECTIONS:  
CURTAIN WALL, ACM  
PANEL AND HIGH  
PARAPET

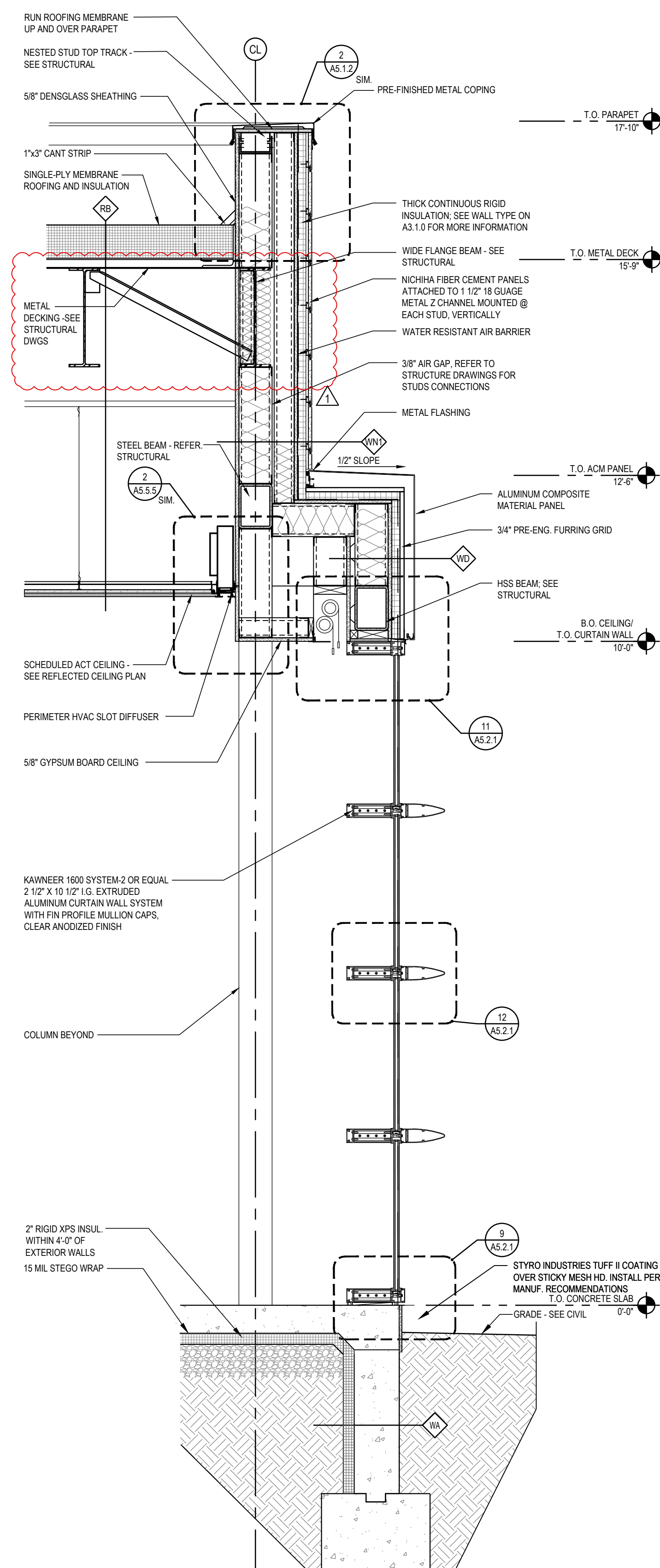
SHEET NUMBER

### A4.1.2



WALL SECTION AT ACM PANELS  
@ DOUBLE PARAPET WALL

4  
A4.1.2 @ DC  
3/4" = 1'-0"



WALL SECTION AT ACM PANELS/ CURTAIN  
WALL @ DOUBLE PARAPET WALL

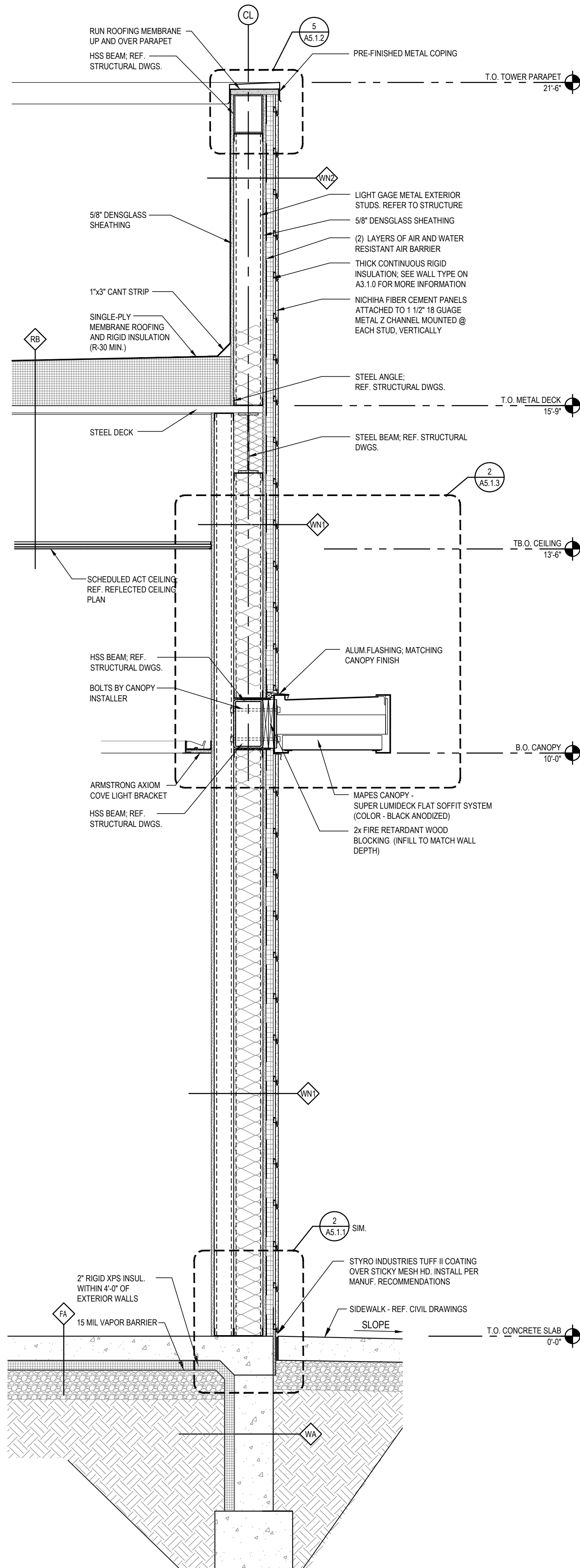
3  
A4.1.2  $3/4" = 1'-0"$

2	NOT USED
A4.1.2	-

1	NOT USED
A4.1.2	-

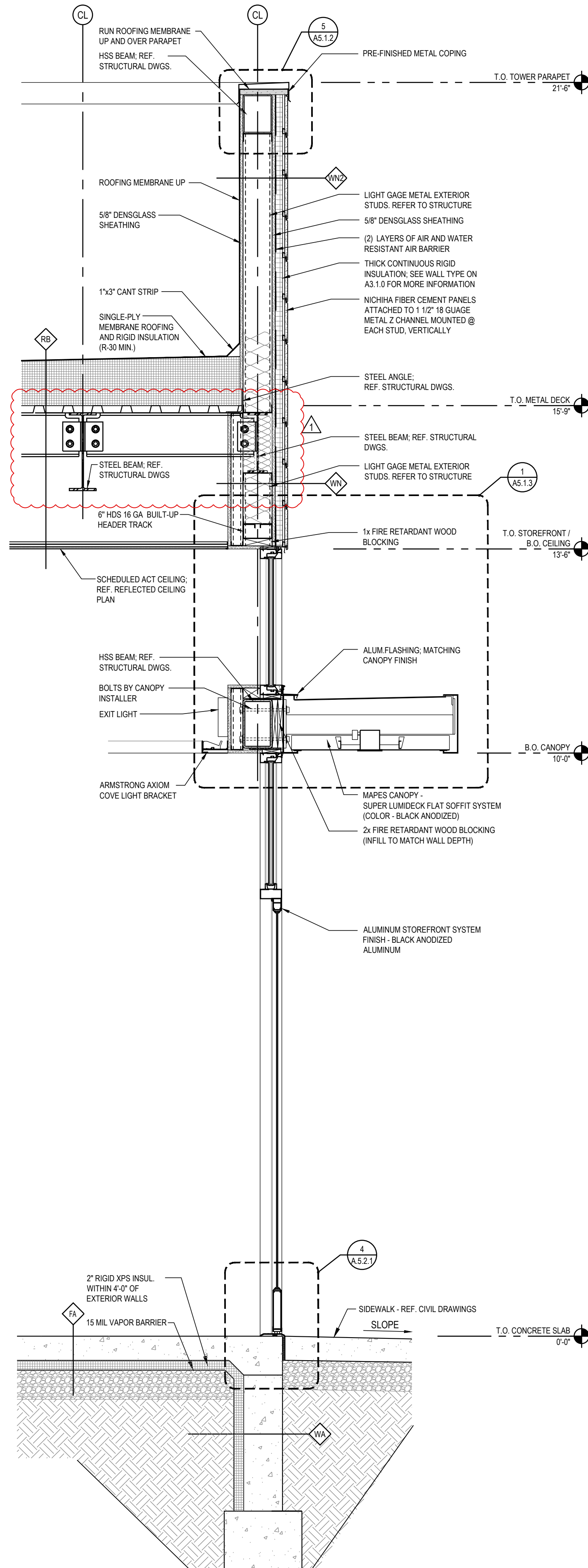


P:\J.P. Morgan Chase\Lee's Summit, MO Hwy 291 and SE Langford Rd.\JPM,27135.001\WAPES\Drawings\A4.1.3\_Hwy 291 and NE Langford Rd.\JPM\_V08 Sections.dwg  
Wednesday, April 21, 2021 1:11:19 PM



2  
A4.1.3  
3/4" = 1'-0"

FRONT TOWER WALL SECTION-  
CANOPY RETURN LEG



1  
A4.1.3  
3/4" = 1'-0"

FRONT TOWER WALL SECTION-  
FRONT CANOPY/ STOREFRONT

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
4000 Chipmewas Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504  
THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE  
SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL  
WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

PROJECT INFORMATION  
PROJECT NO: JPM.27135.001  
DATE: 2020.08.22  
PROTOTYPE: 20.2  
DRAWN BY: G.SHONTZ  
CHECKED BY: B.LASURS  
VERSION: SE 1.00

SHEET TITLE  
WALL SECTIONS:  
TOWER PARAPET -  
ENTRY CANOPY

SHEET NUMBER  
A4.1.3



RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

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-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

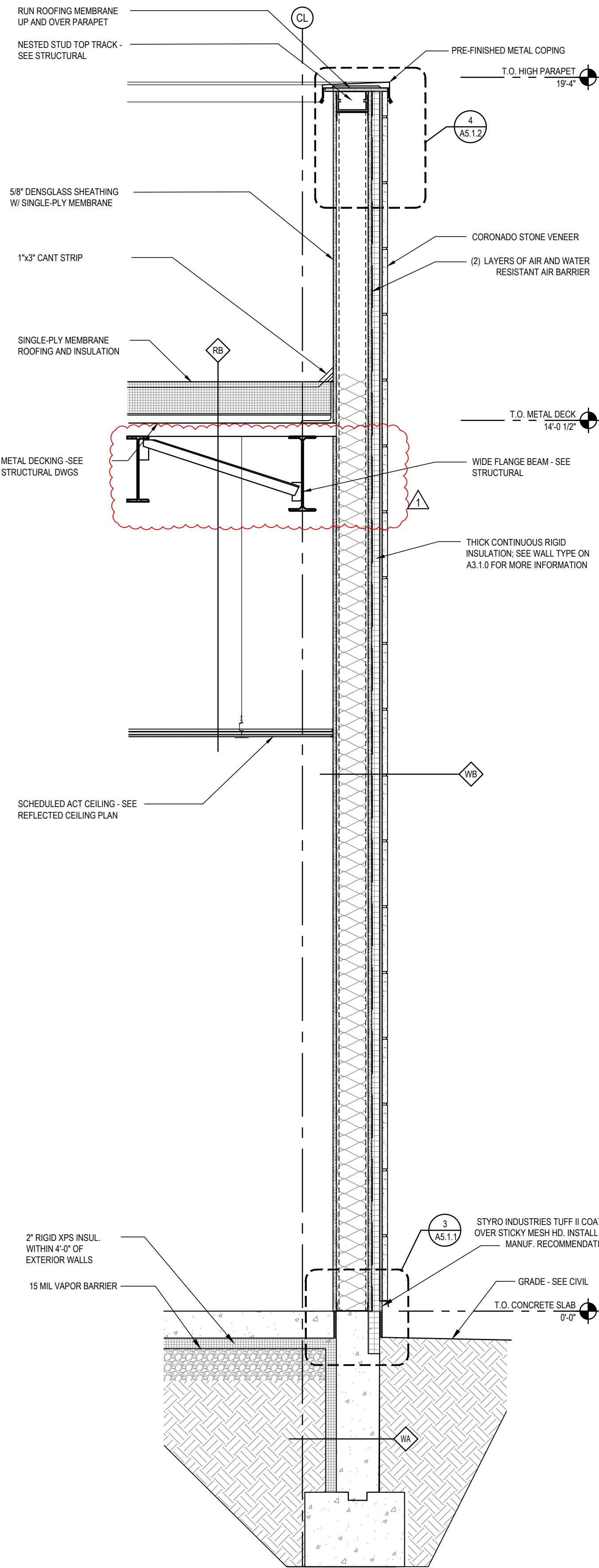
PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

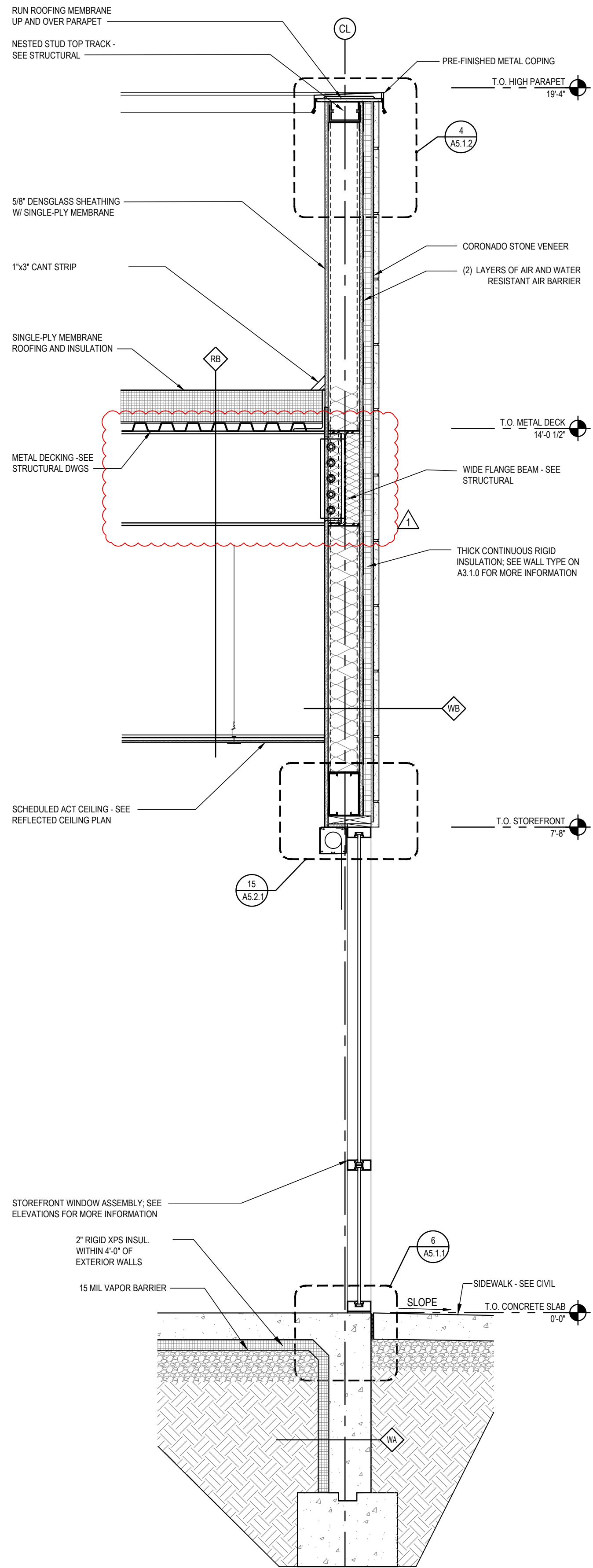
WALL SECTIONS:  
SIMULATED STONE

SHEET NUMBER

A4.1.4



2 WALL SECTION AT SIMULATED STONE  
3/4" = 1'-0"



1 WALL SECTION AT SIMULATED STONE / STOREFRONT  
3/4" = 1'-0"



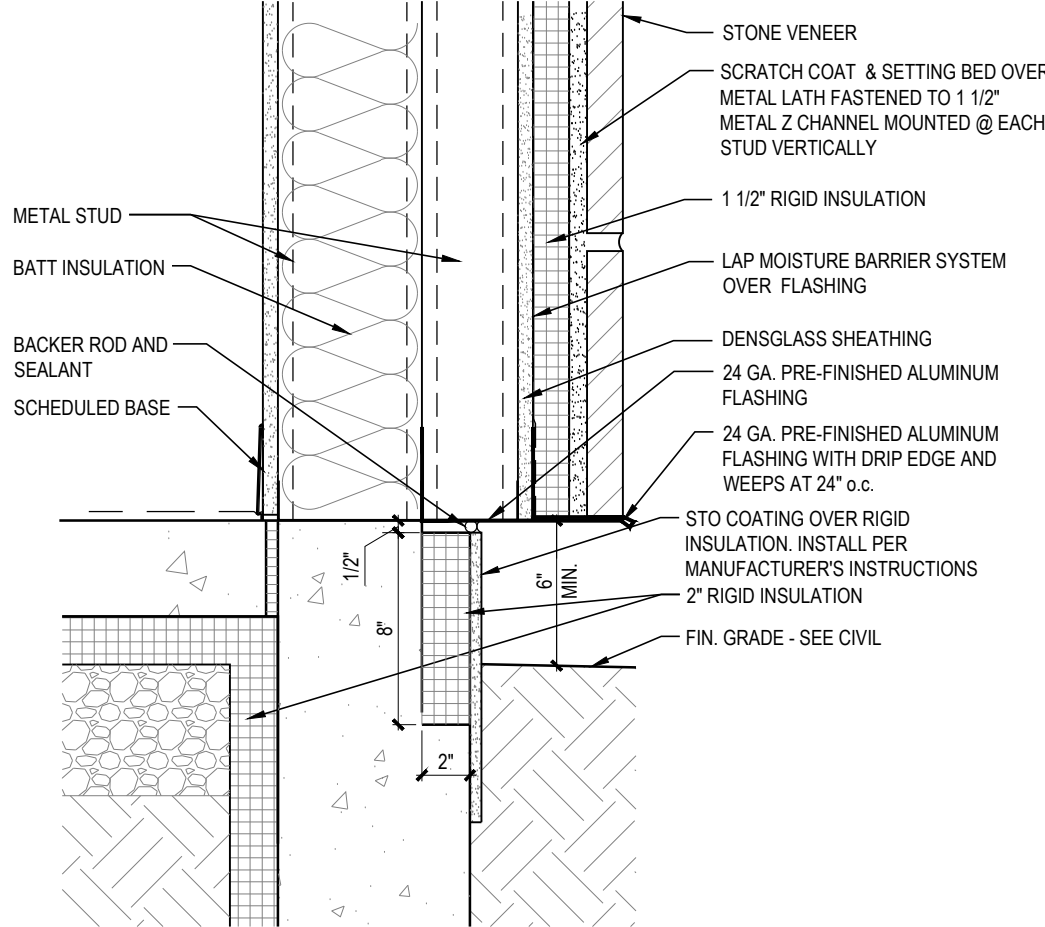
ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE.1.00	

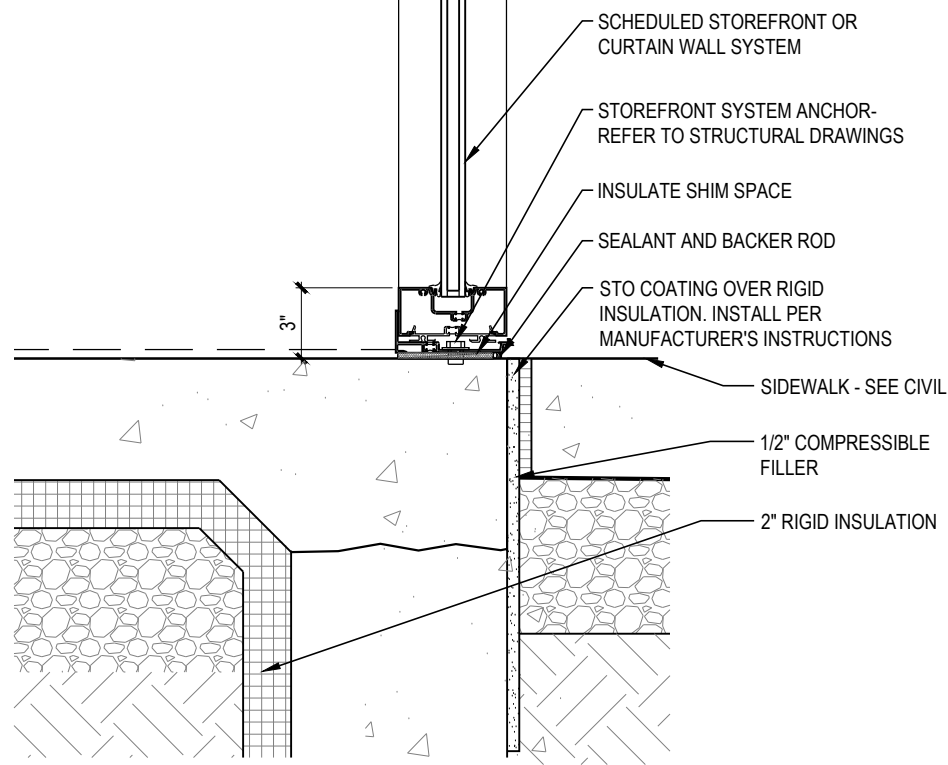
SHEET TITLE  
DETAILS:  
BUILDING ENVELOPE

SHEET NUMBER

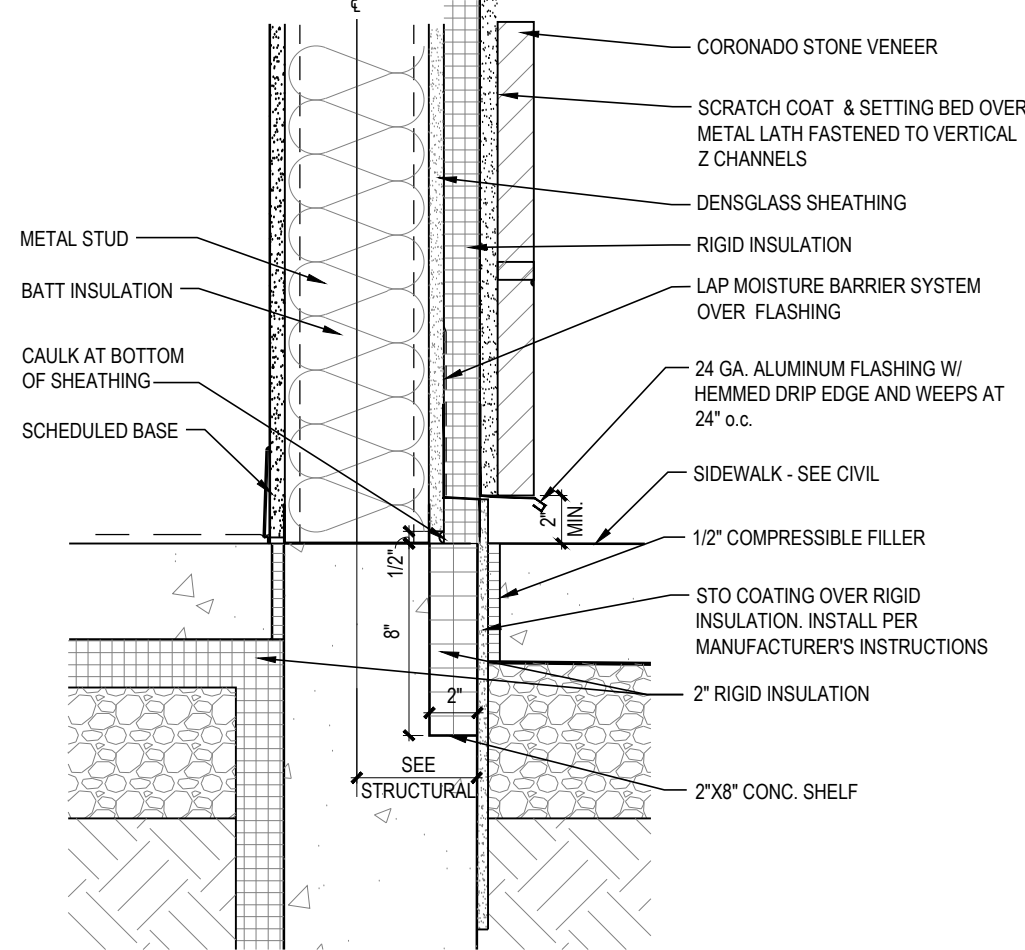
A5.1.1



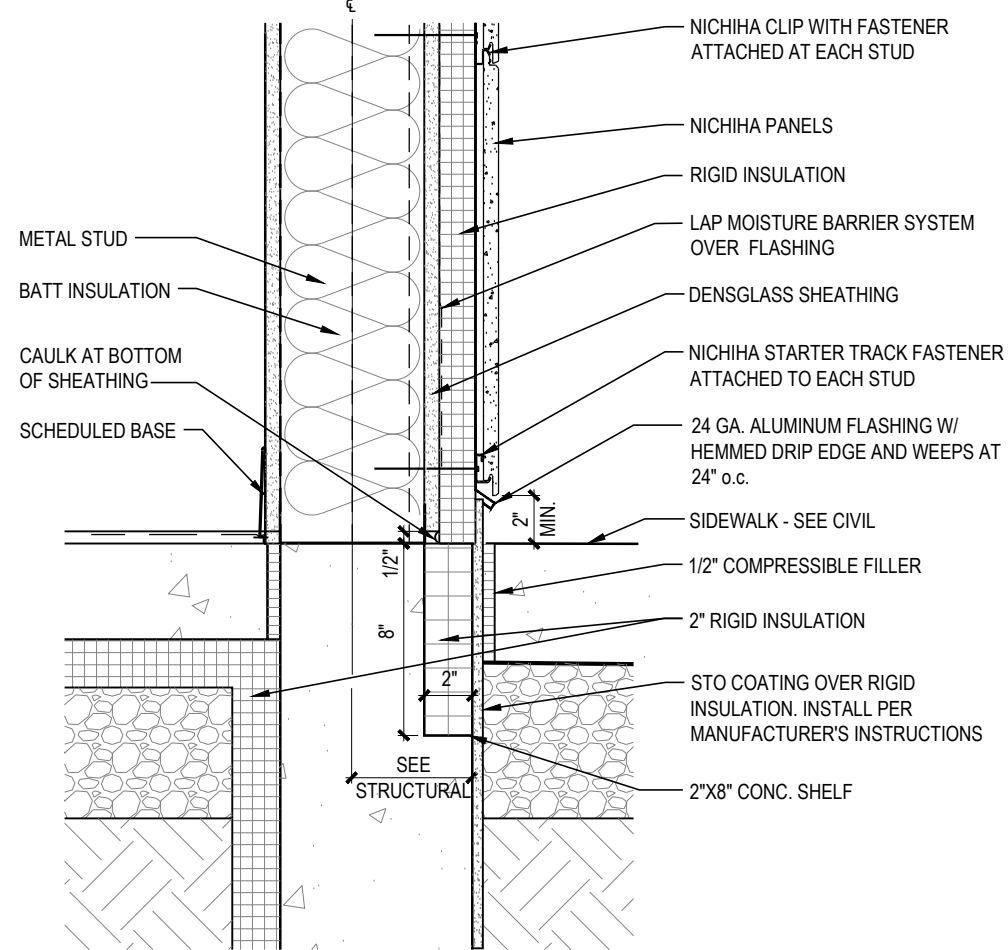
8  
A5.1.1  
STONE VENEER AT GRADE  
1 1/2" = 1'-0"



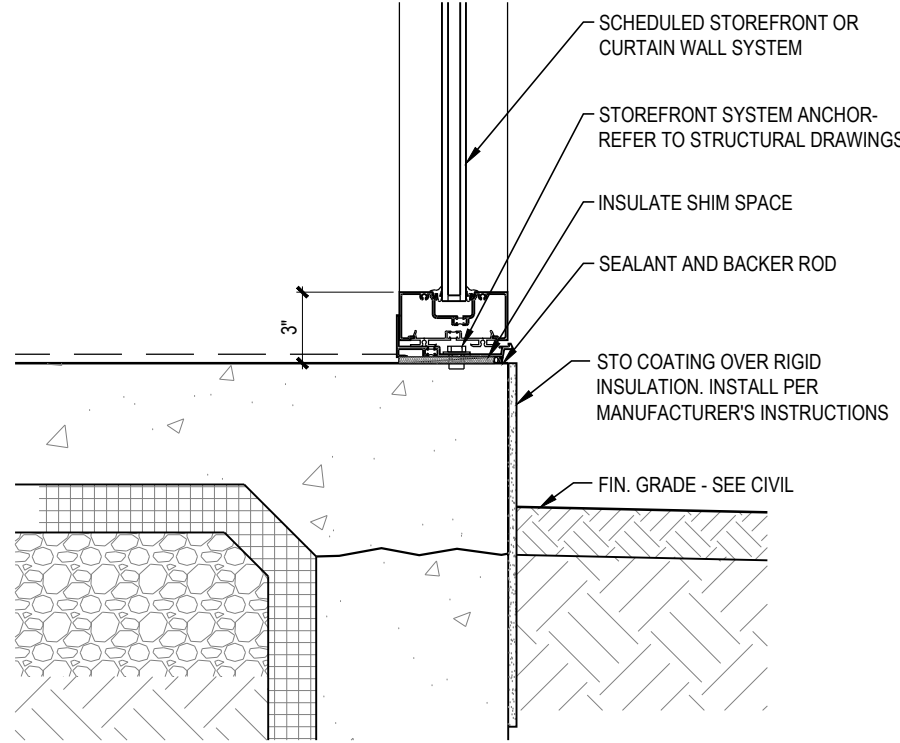
6  
A5.1.1  
STOREFRONT SILL AT SLAB  
1 1/2" = 1'-0"



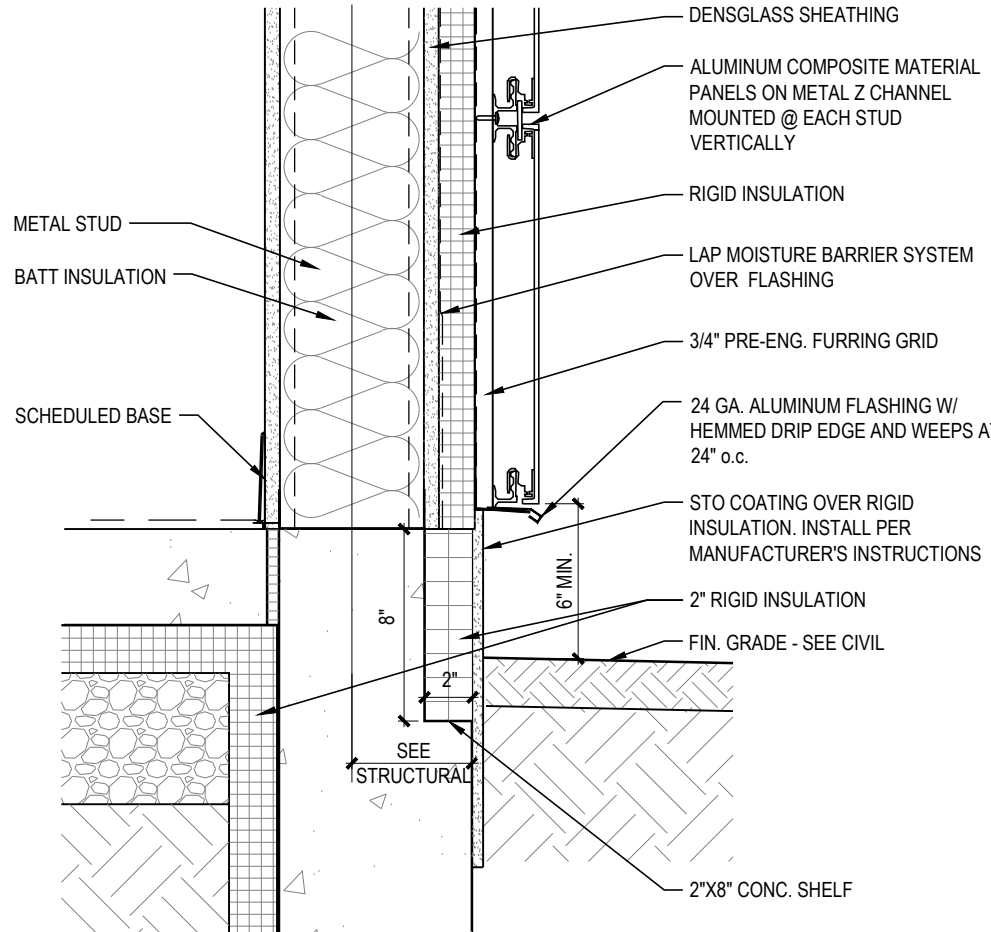
4  
A5.1.1  
STONE VENEER AT SLAB  
1 1/2" = 1'-0"



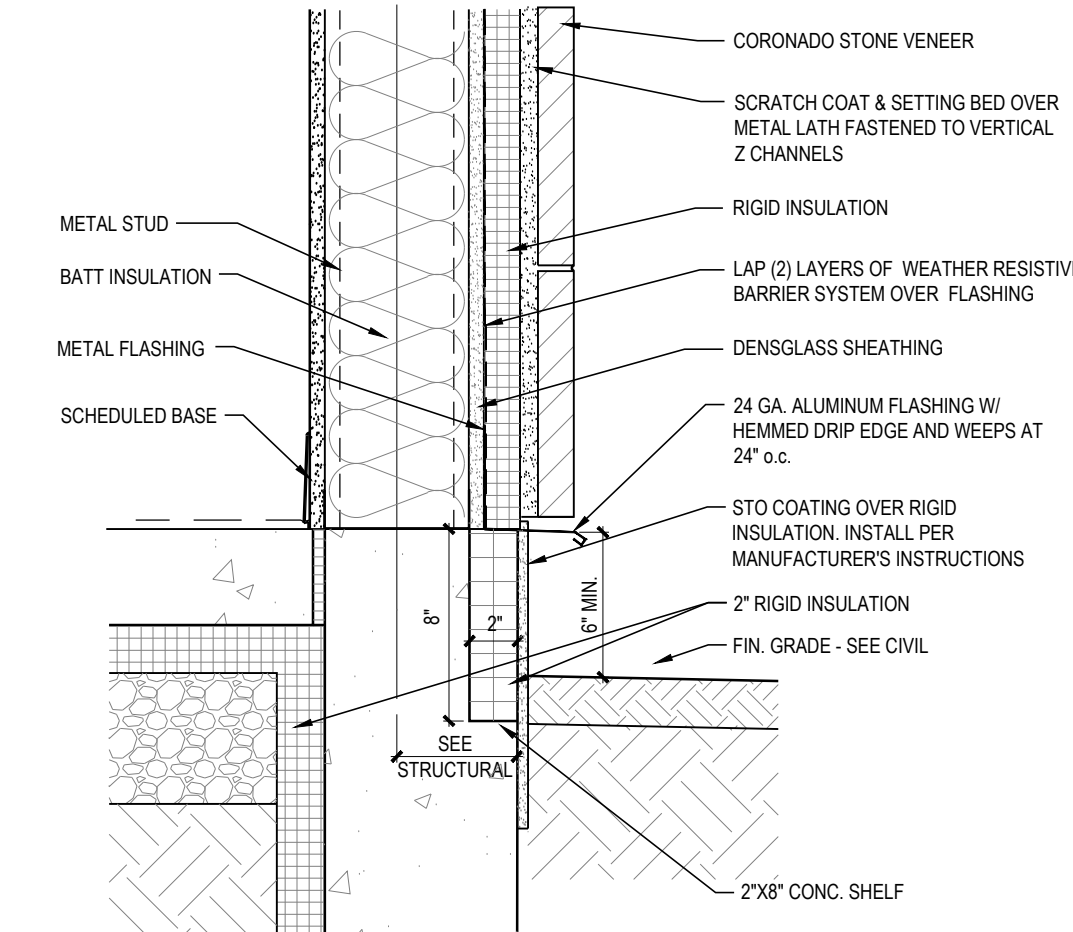
2  
A5.1.1  
NICHHA PANELS AT SLAB  
1 1/2" = 1'-0"



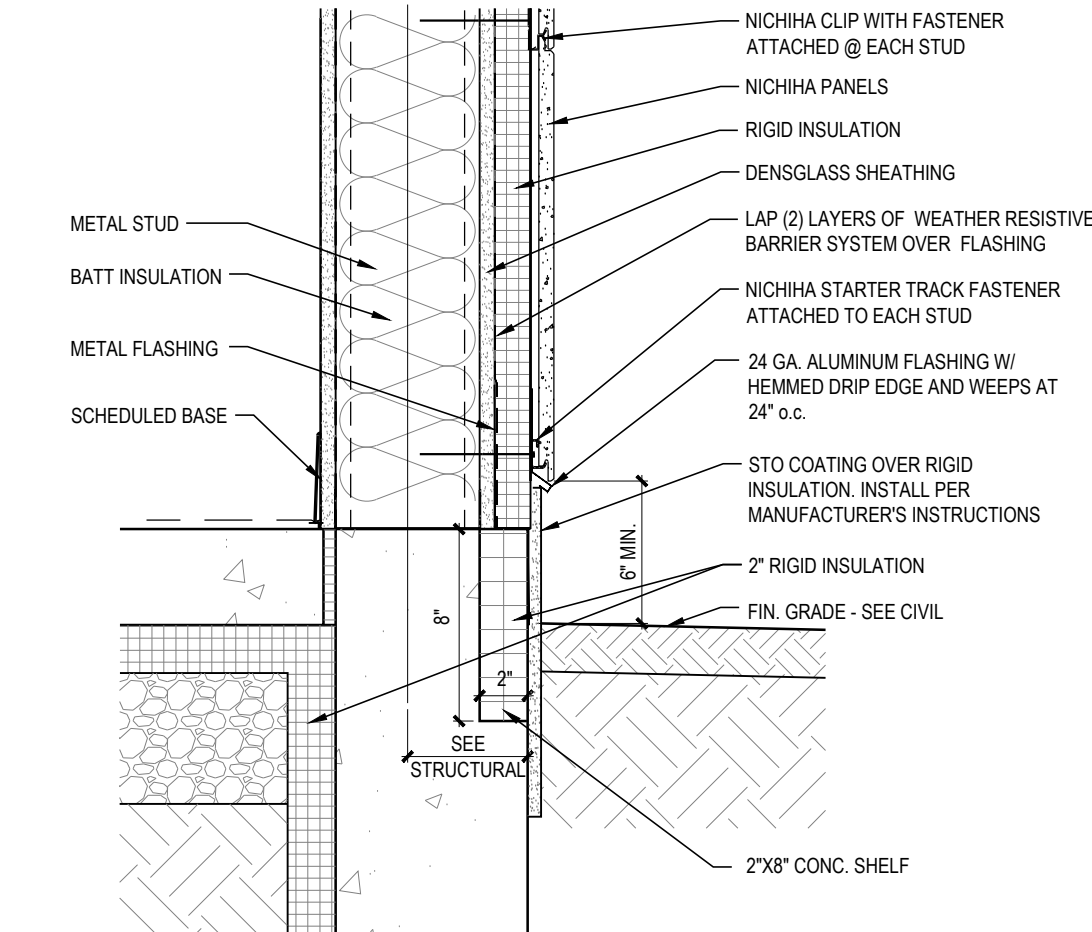
7  
A5.1.1  
STOREFRONT SILL AT GRADE  
1 1/2" = 1'-0"



5  
A5.1.1  
ACM PANELS AT GRADE  
1 1/2" = 1'-0"



3  
A5.1.1  
STONE VENEER AT GRADE  
1 1/2" = 1'-0"



1  
A5.1.1  
NICHHA PANELS AT GRADE  
1 1/2" = 1'-0"



RELEASE FOR  
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DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

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890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
4000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504  
THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE  
SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL  
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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

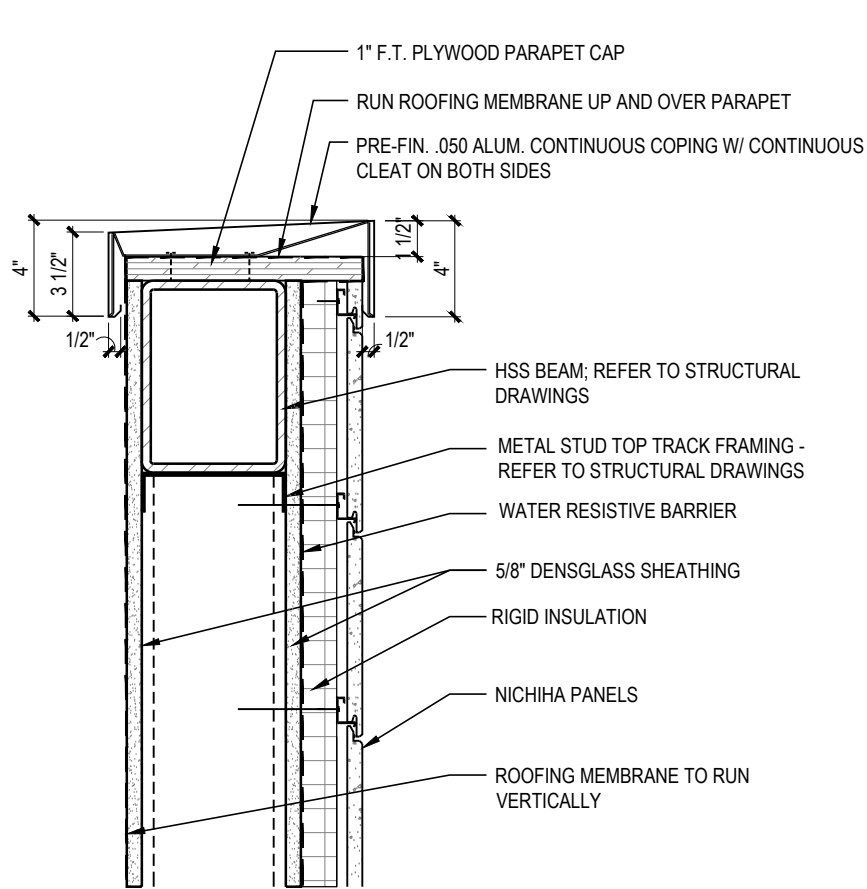
PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LCSURS
VERSION:	SE_1.00

SHEET TITLE

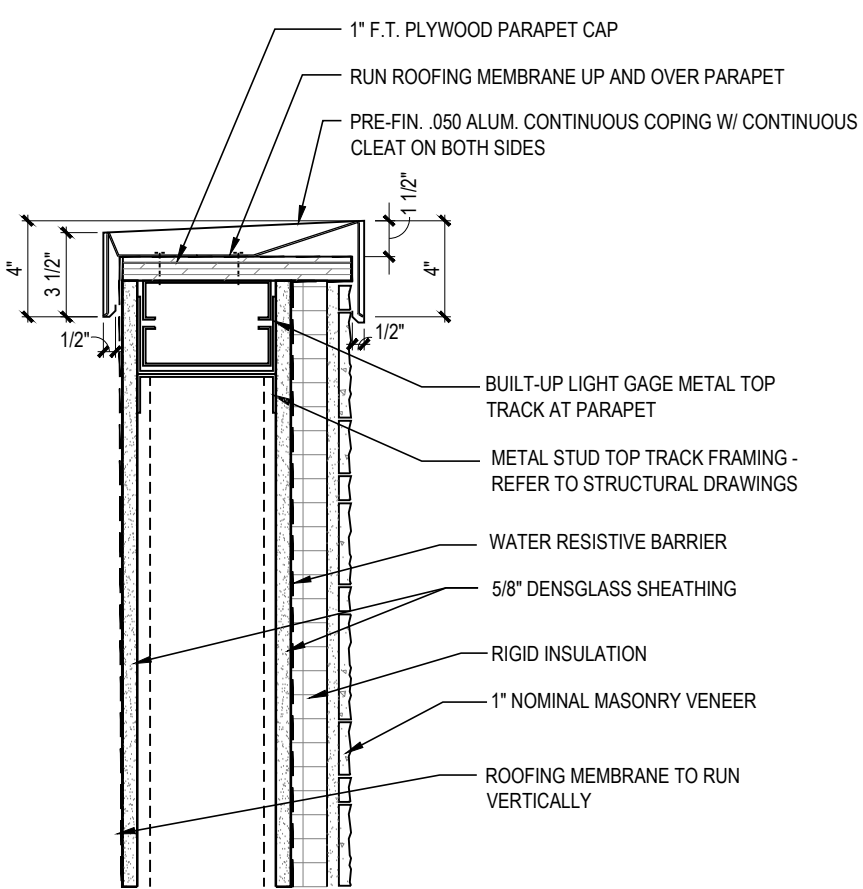
DETAILS:  
BUILDING ENVELOPE

SHEET NUMBER

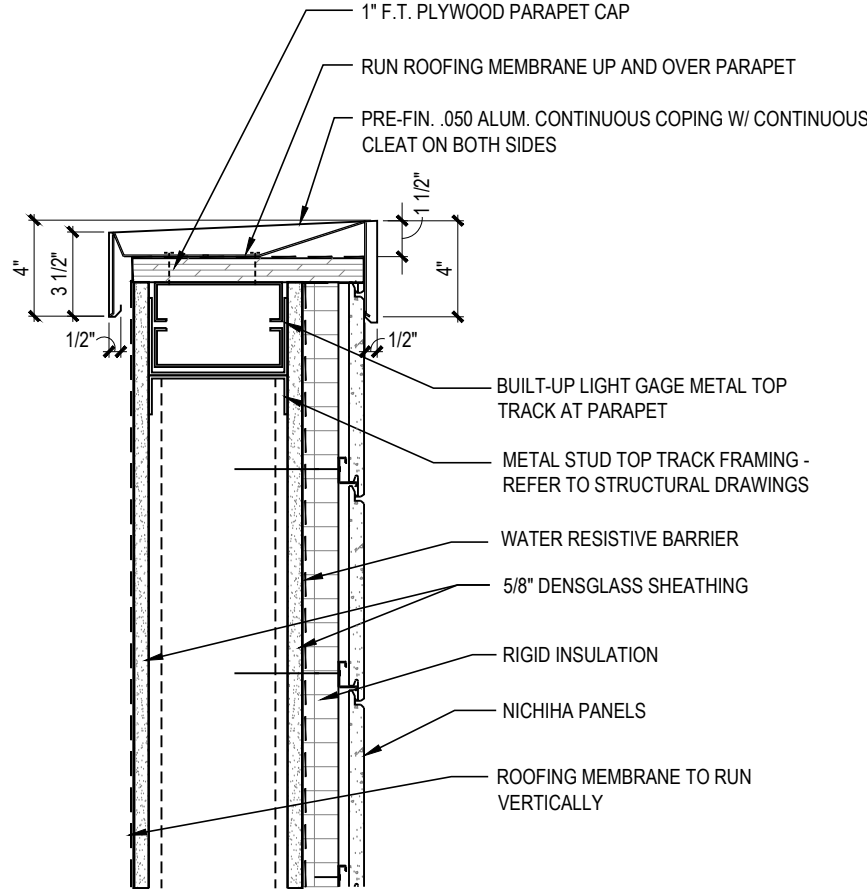
A5.1.2



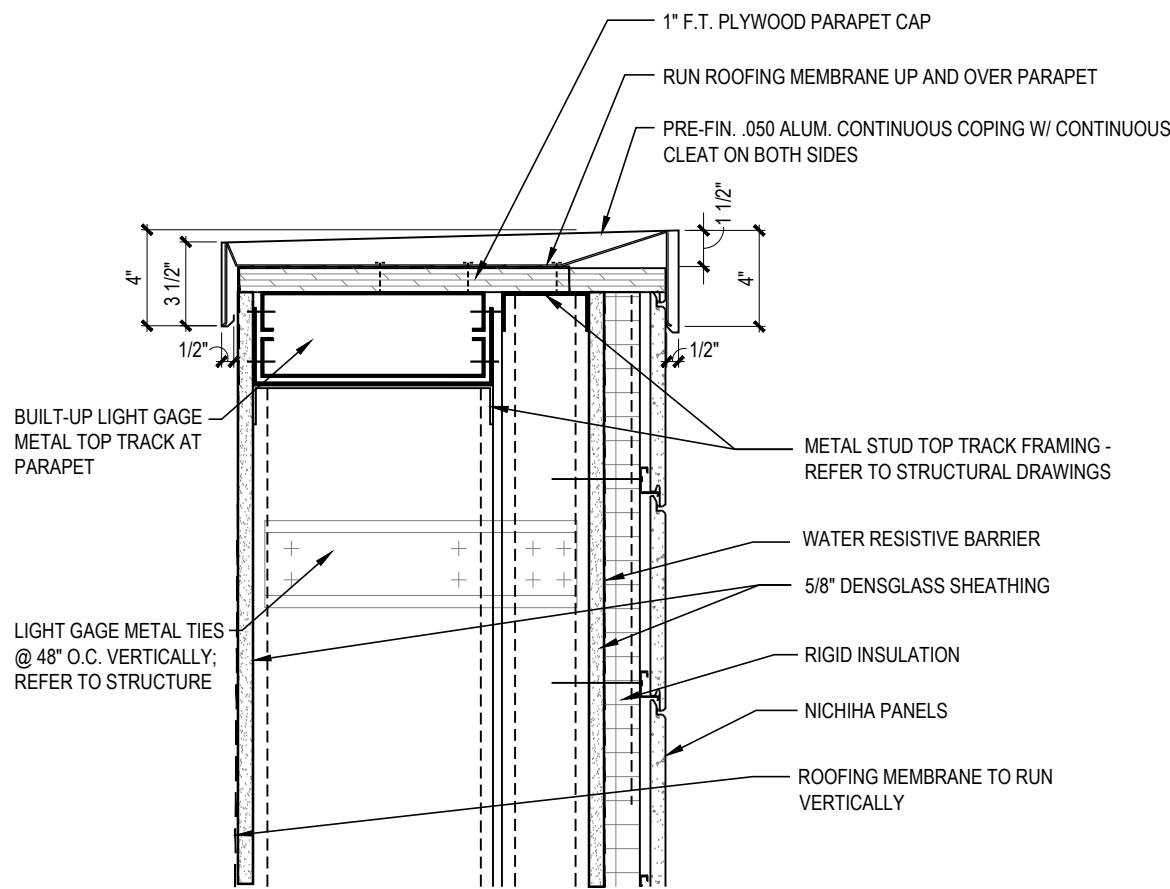
5 TOWER ROOF PARAPET  
A5.1.2 1 1/2" = 1'-0"



4 LOW ROOF PARAPET  
A5.1.2 1 1/2" = 1'-0"



3 HIGH ROOF PARAPET  
A5.1.2 1 1/2" = 1'-0"



2 DOUBLE WALL ROOF PARAPET  
A5.1.2 1 1/2" = 1'-0"



1 NOT USED  
A5.1.2 1 1/2" = 1'-0"



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08/13/2021

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St. Louis, MO 63109  
314.843.4320  
www.corestates.com  
COA #: A-2014026908

ARCHITECT OF RECORD

**STATE OF MISSOURI**  
ROBERT BRUCE LASURS  
JANUARY 08, 2021  
NUMBER A-7504  
ARCHITECT  
ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

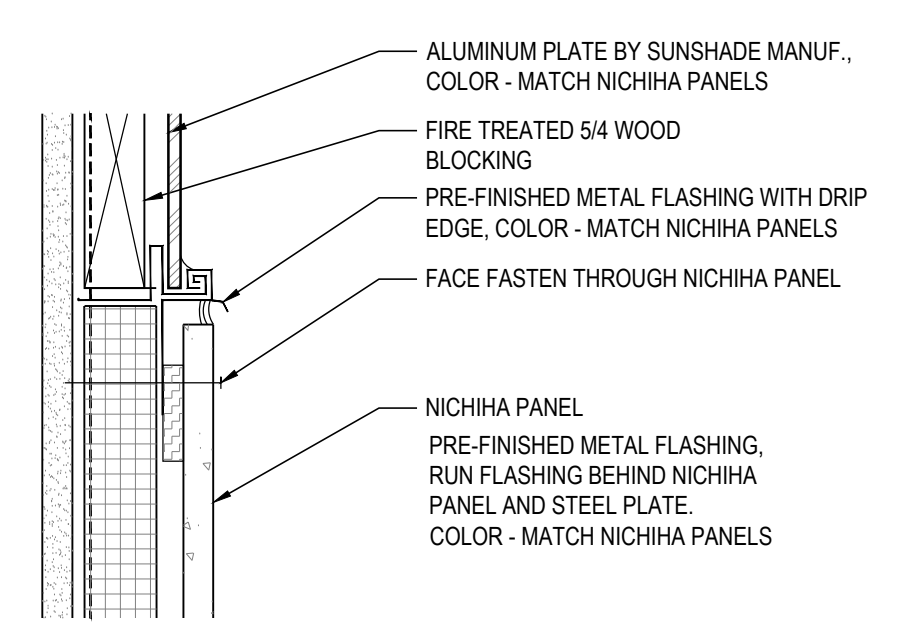
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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

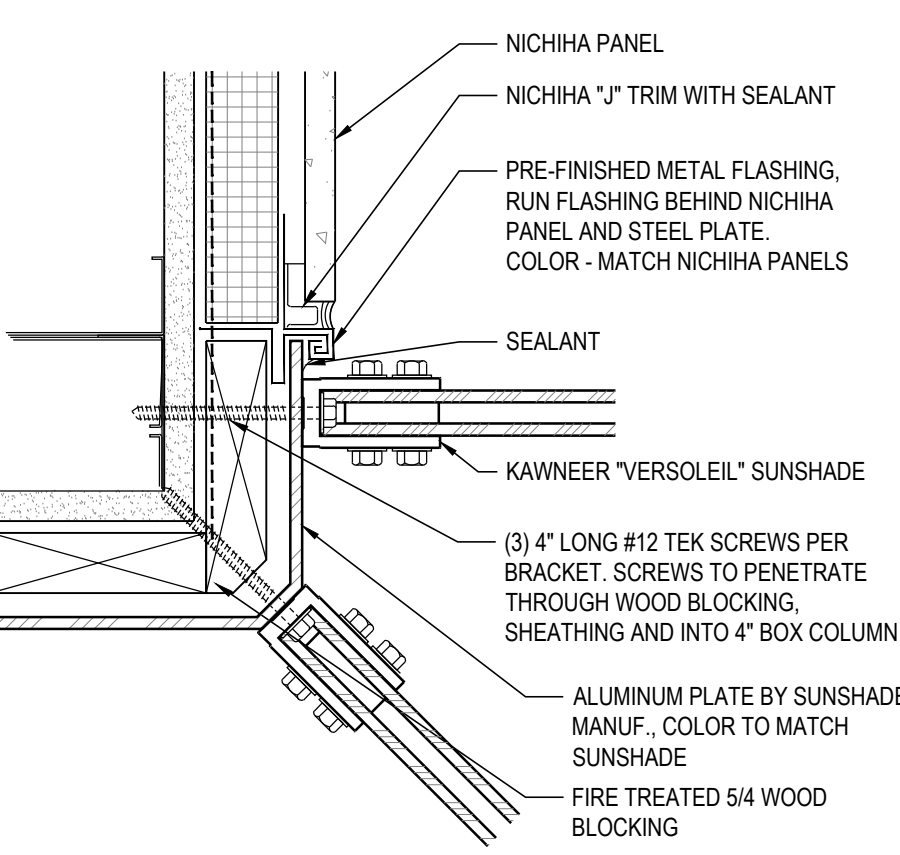
PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE  
  
DETAILS:  
ENTRANCE CANOPIES  
AND SUNSHADE  
  
SHEET NUMBER

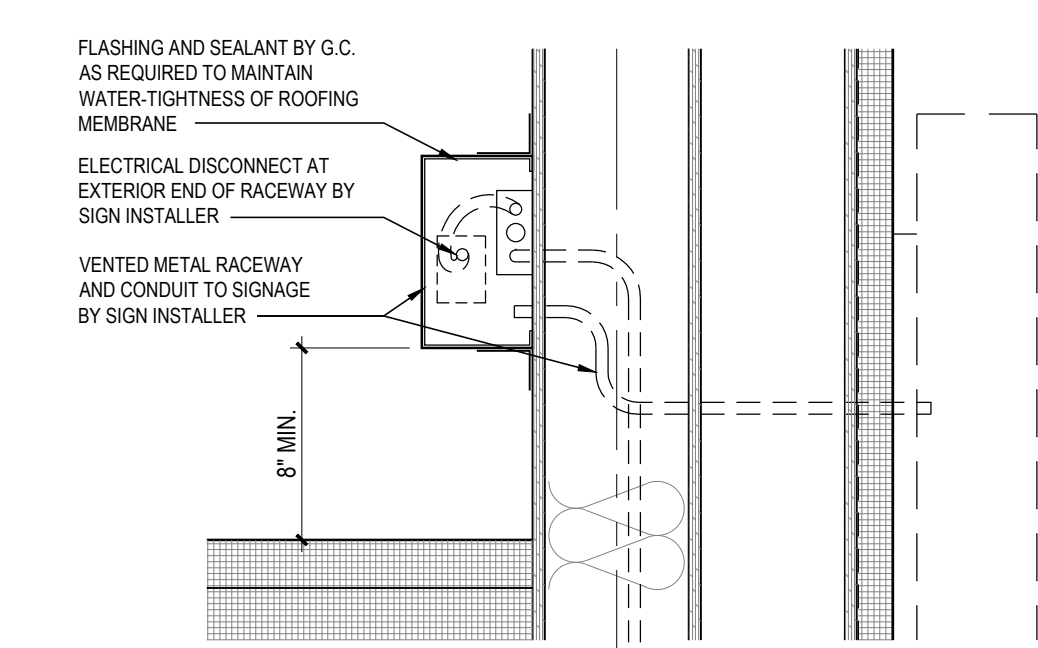
A5.1.3



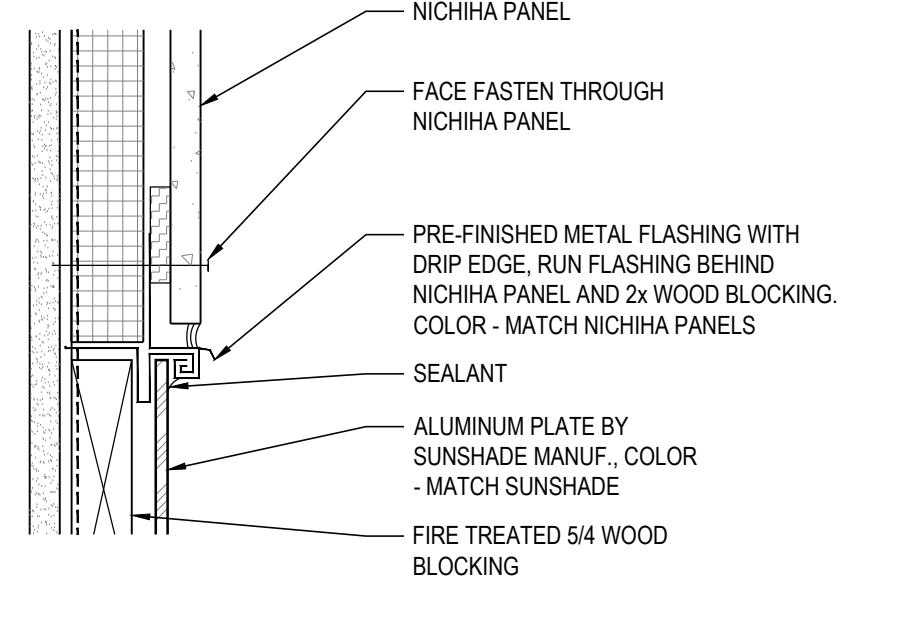
8 FLASHING DETAIL  
A5.1.3 3" = 1'-0"



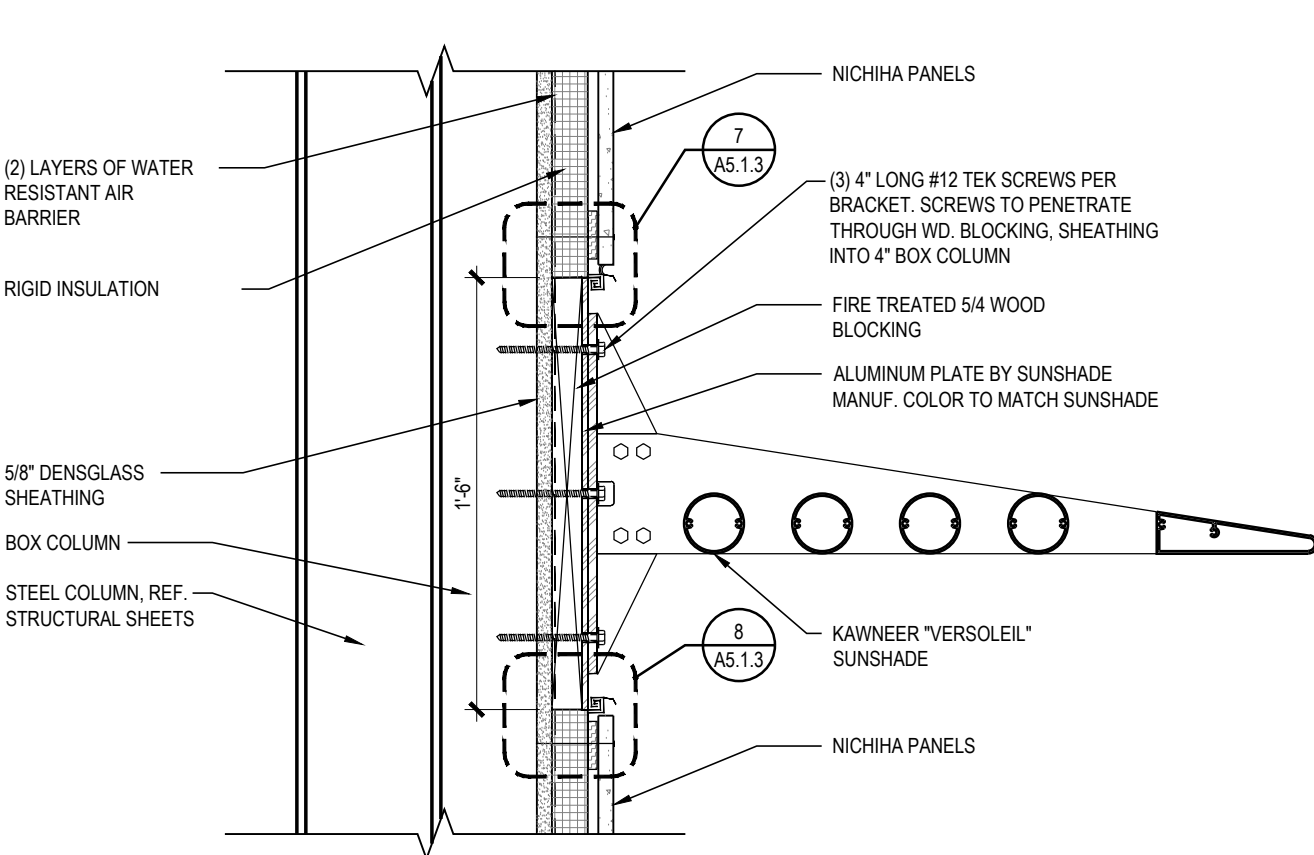
6 FLASHING DETAIL  
A5.1.3 3" = 1'-0"



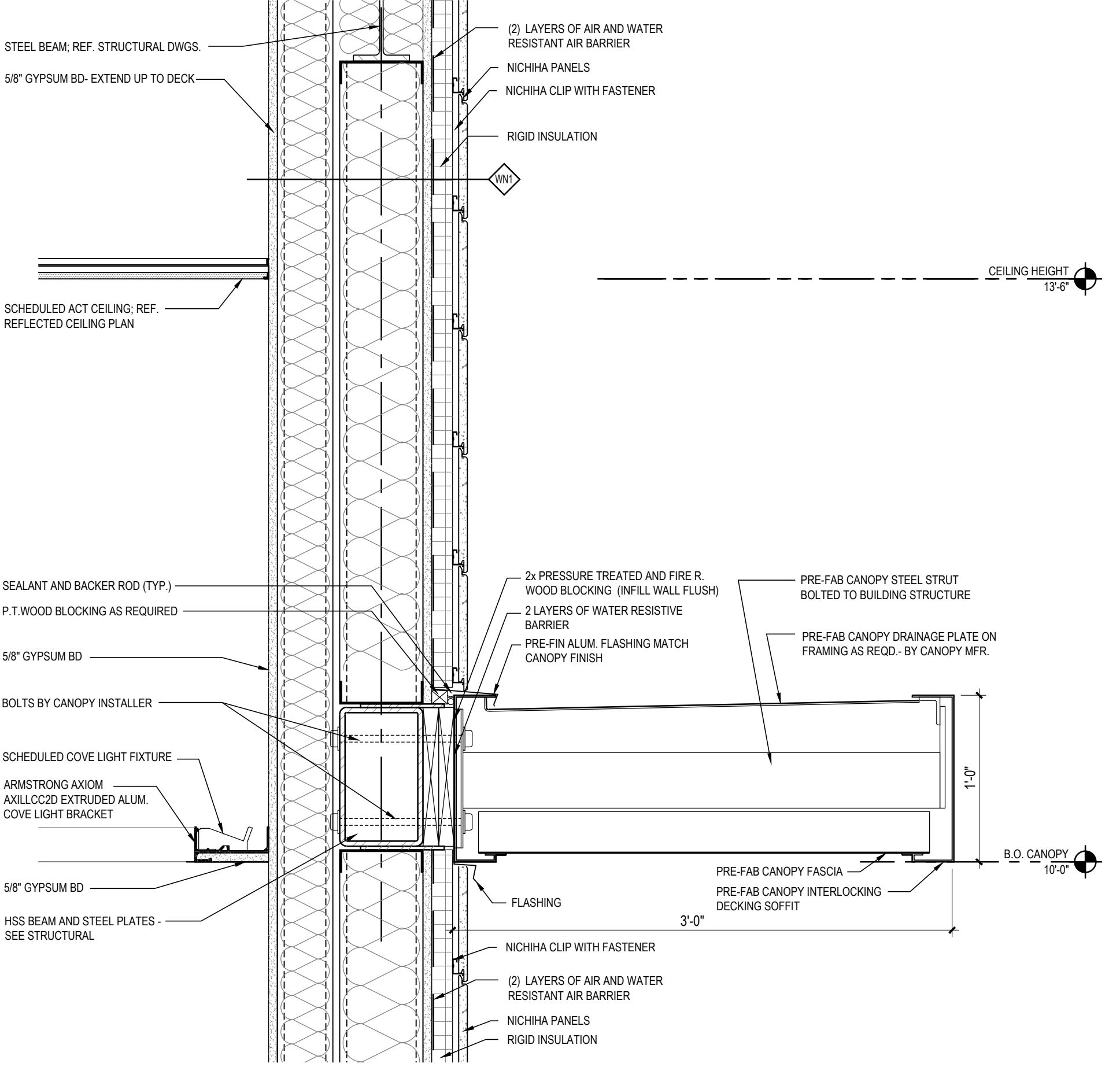
3 PARAPET SIGNAGE RACEWAY  
A5.1.3 1 1/2" = 1'-0"



7 FLASHING DETAIL  
A5.1.3 3" = 1'-0"

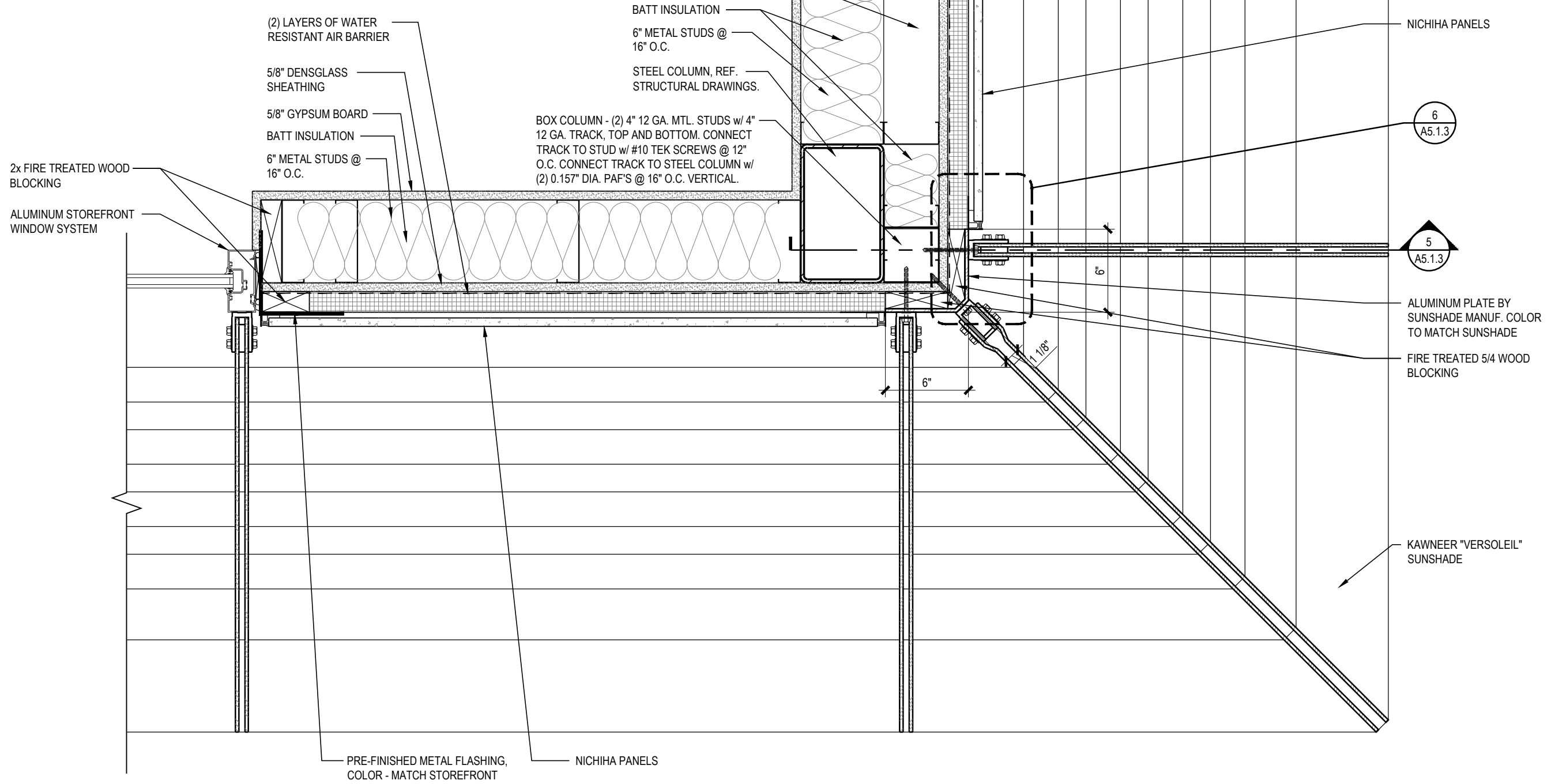


5 SUNSHADE DETAIL  
A5.1.3 1 1/2" = 1'-0"



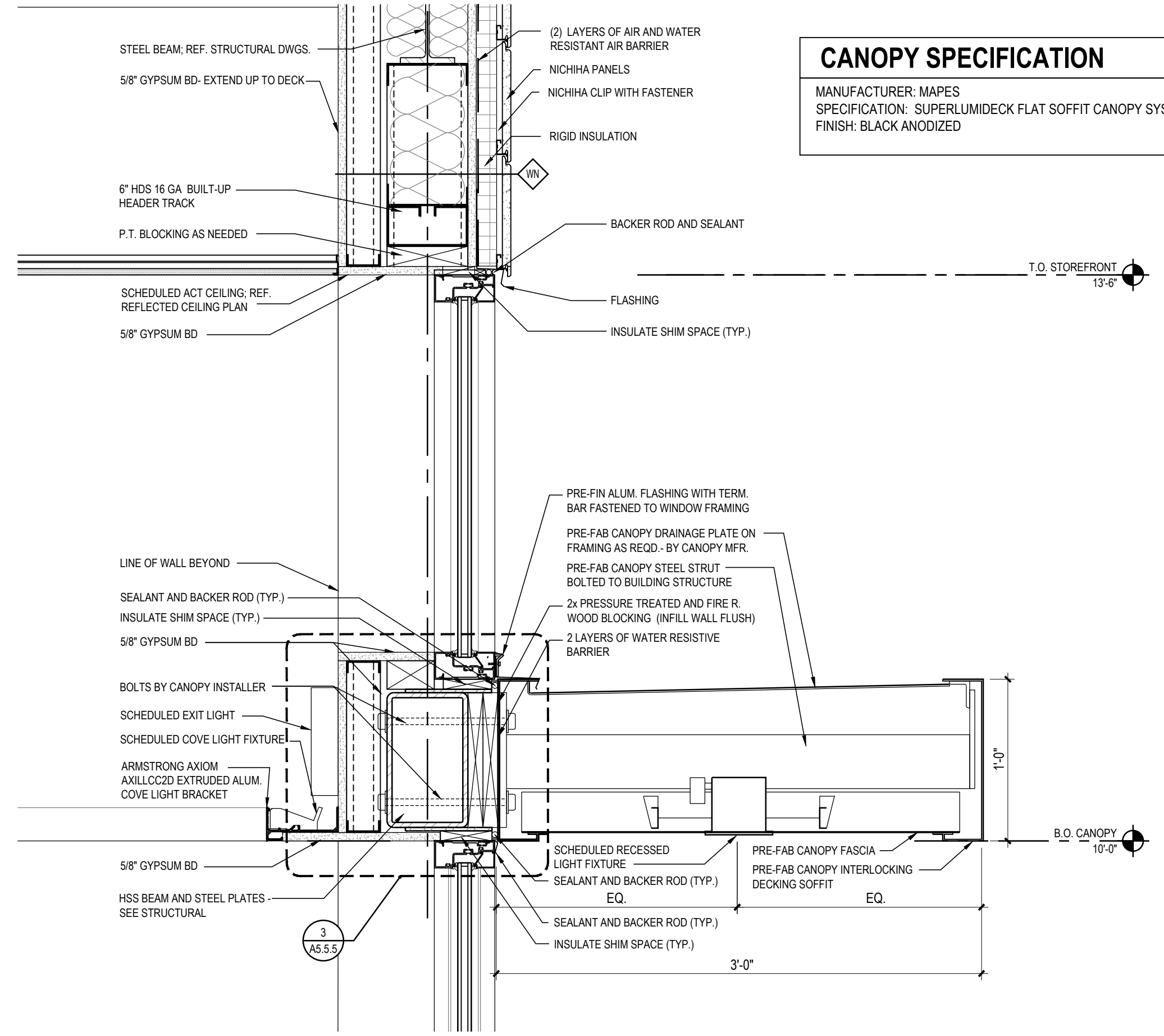
2 ENTRANCE CANOPY - RETURN LEG  
A5.1.3 1 1/2" = 1'-0"

**SUNSHADE SPECIFICATION**  
MANUFACTURER: KAWNEER  
SPECIFICATION: VERSOLEIL SUNSHADE SYSTEM - 30" WEDGE  
PROFILE: ANGULAR FASCIA AND CIRCULAR BLADES  
FINISH: TO MATCH GLAZING SYSTEM



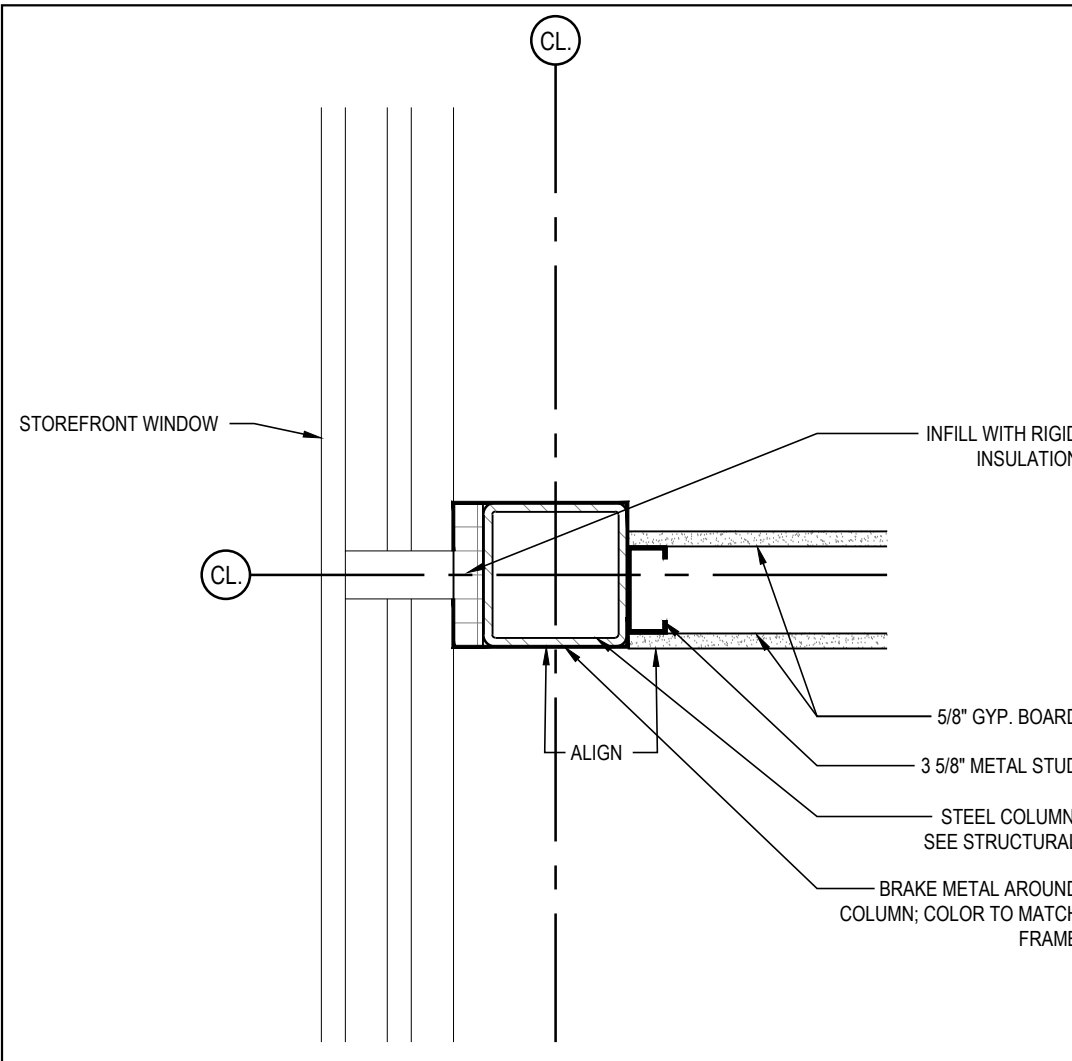
4 SUNSHADE CORNER DETAIL  
A5.1.3 1 1/2" = 1'-0"

**CANOPY SPECIFICATION**  
MANUFACTURER: MAPES  
SPECIFICATION: SUPERLUMIDECK FLAT SOFFIT CANOPY SYSTEM  
FINISH: BLACK ANODIZED

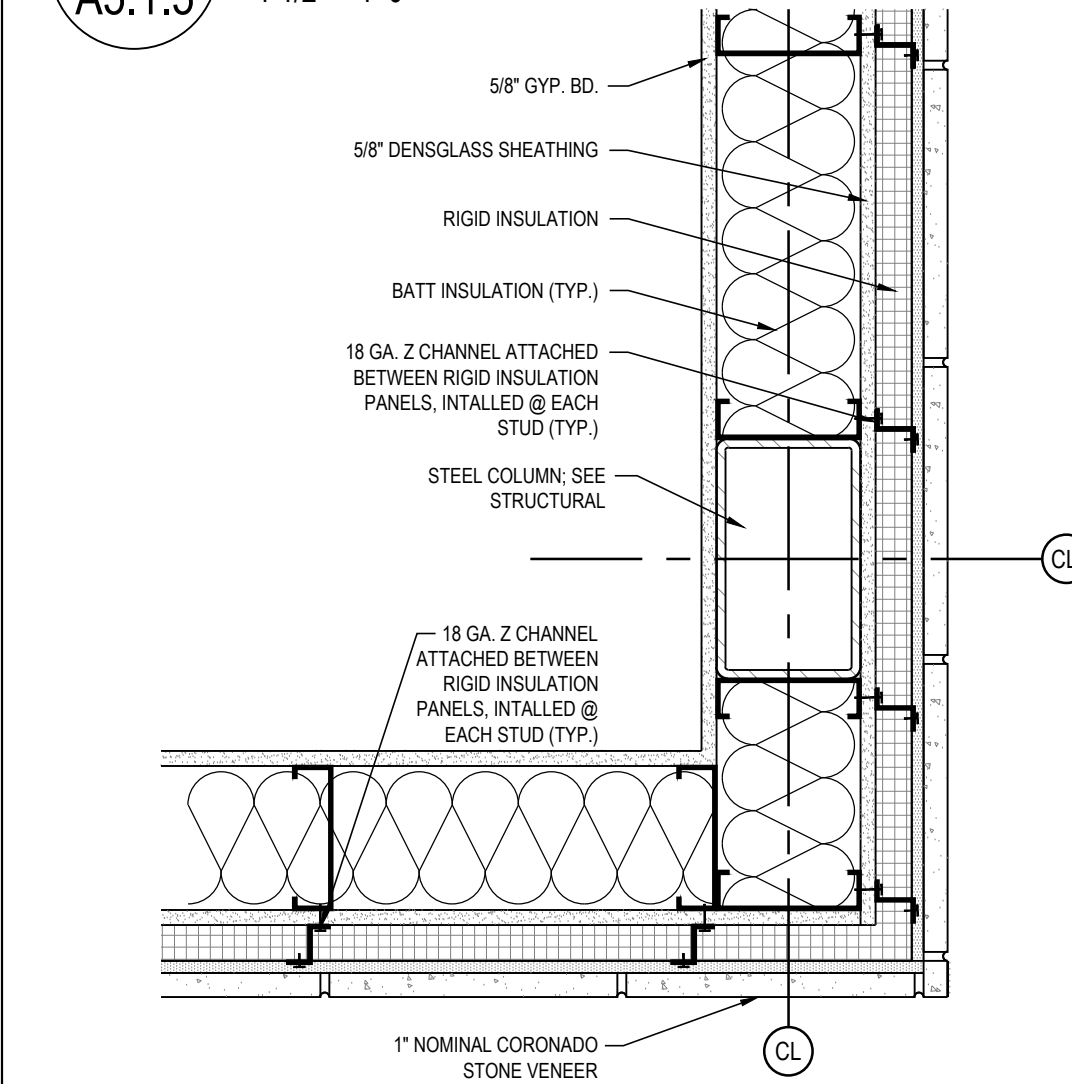


1 ENTRY VESTIBULE CANOPY  
A5.1.3 1 1/2" = 1'-0"

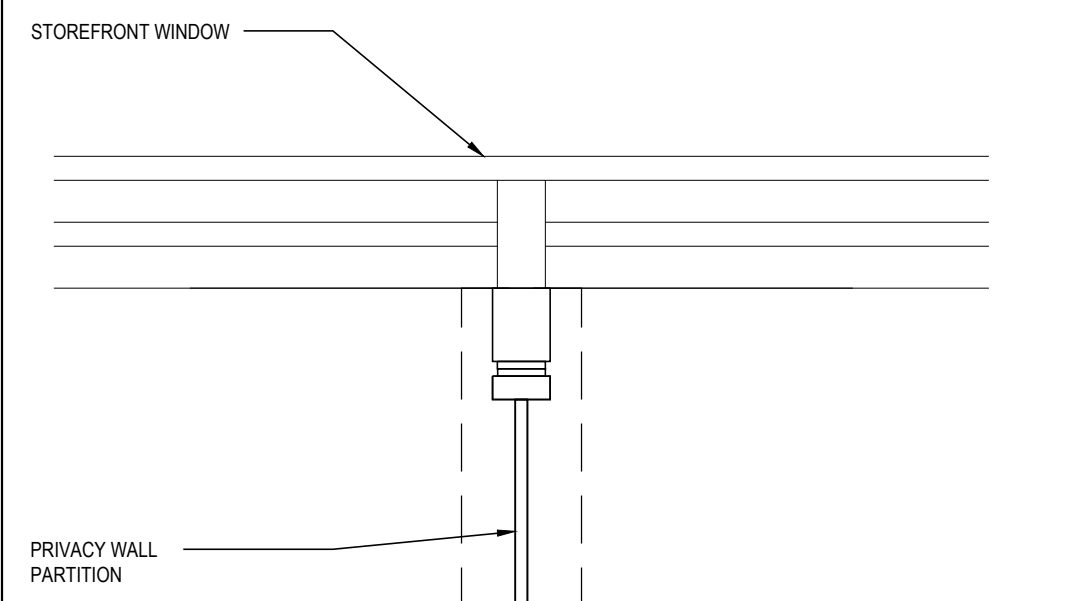




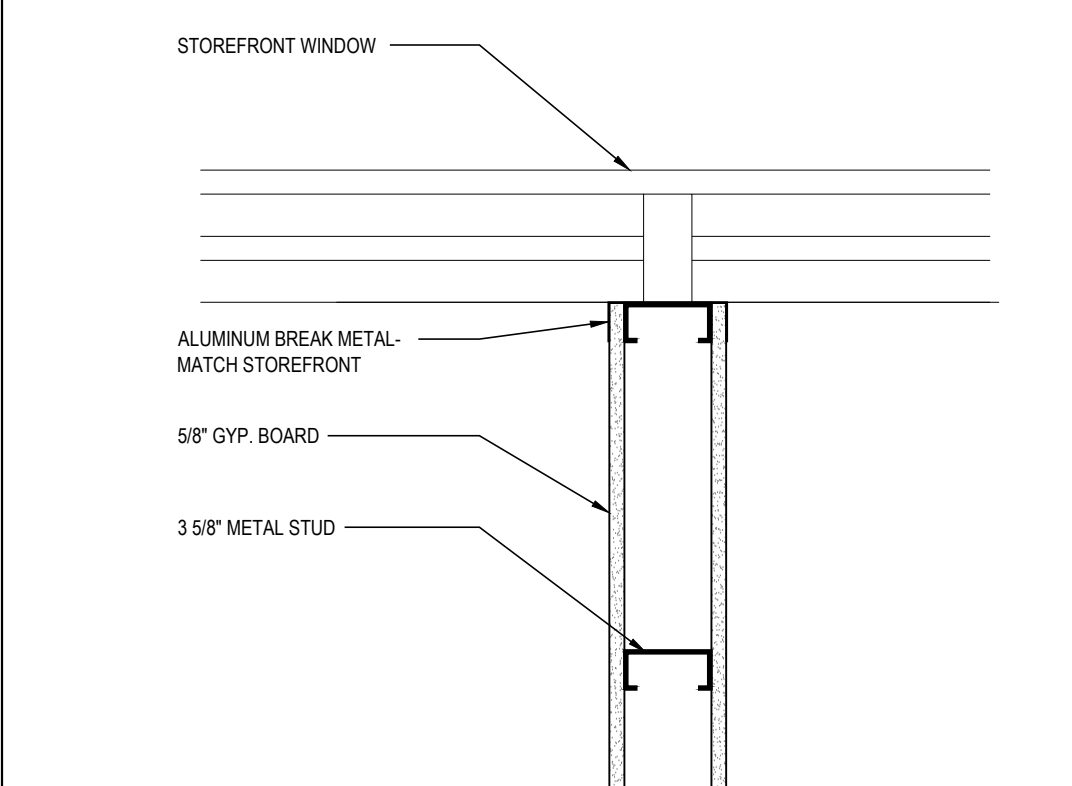
10 CONNECTION DETAIL  
A5.1.5 1 1/2" = 1'-0"



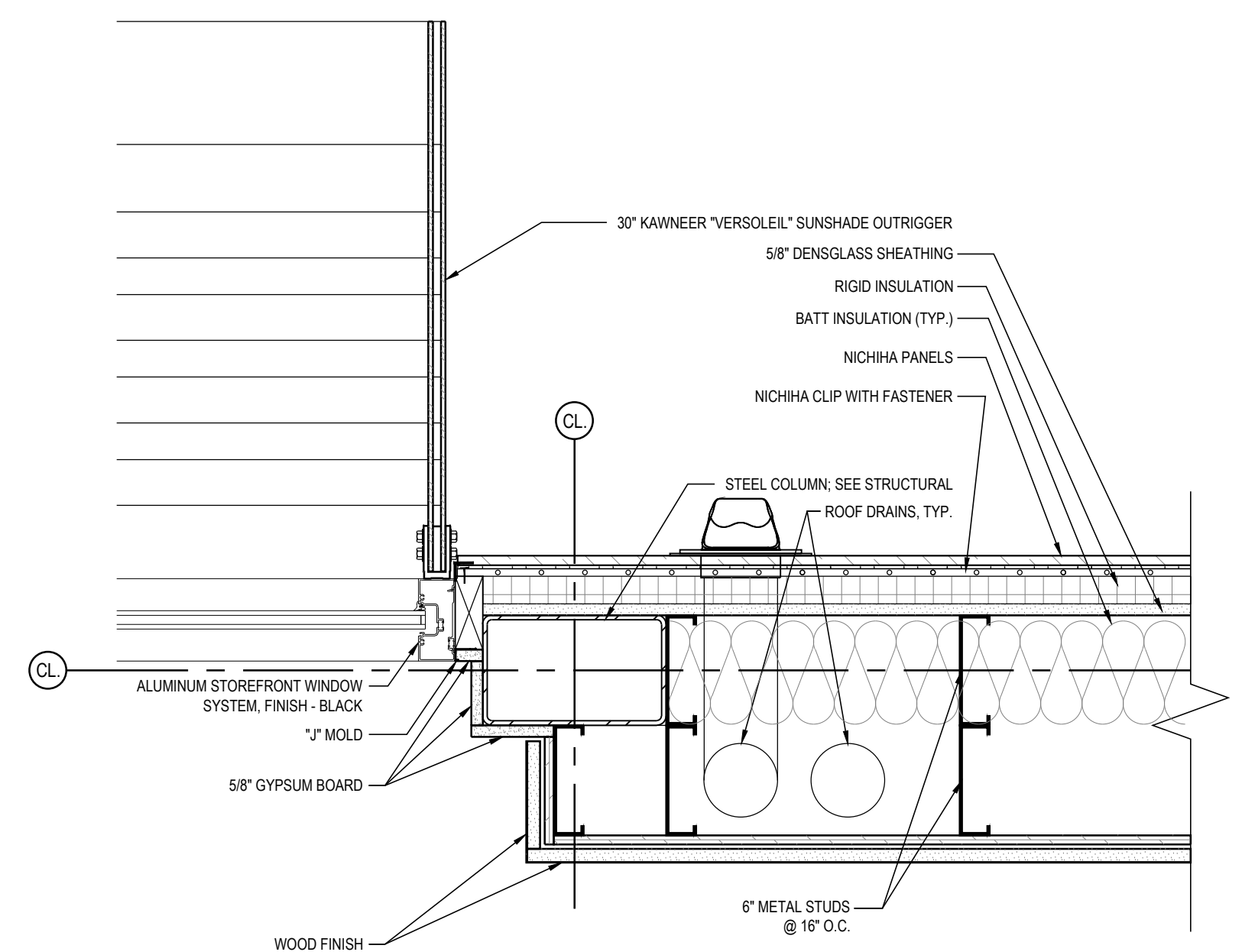
9 CORNER DETAIL  
A5.1.5 1 1/2" = 1'-0"



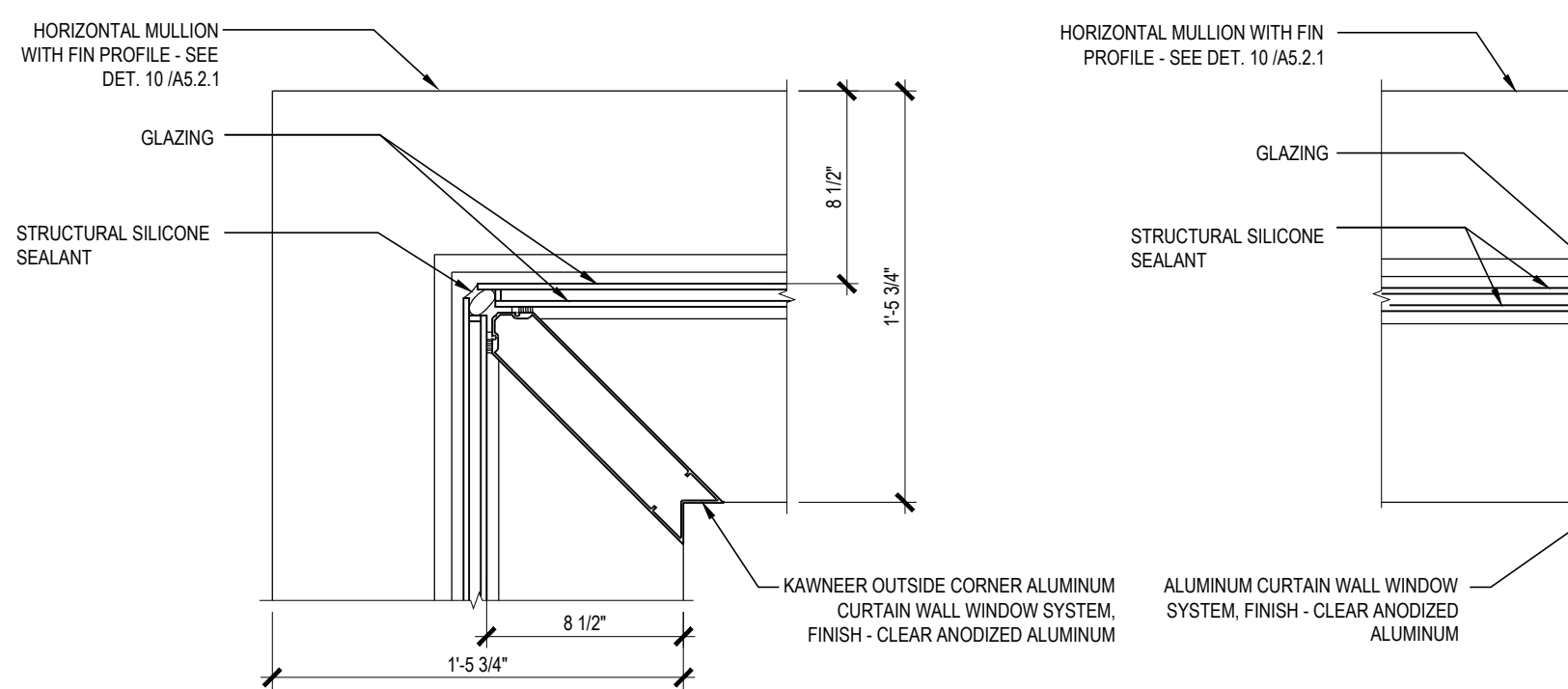
8A CONNECTION DETAIL  
A5.1.5 1 1/2" = 1'-0"



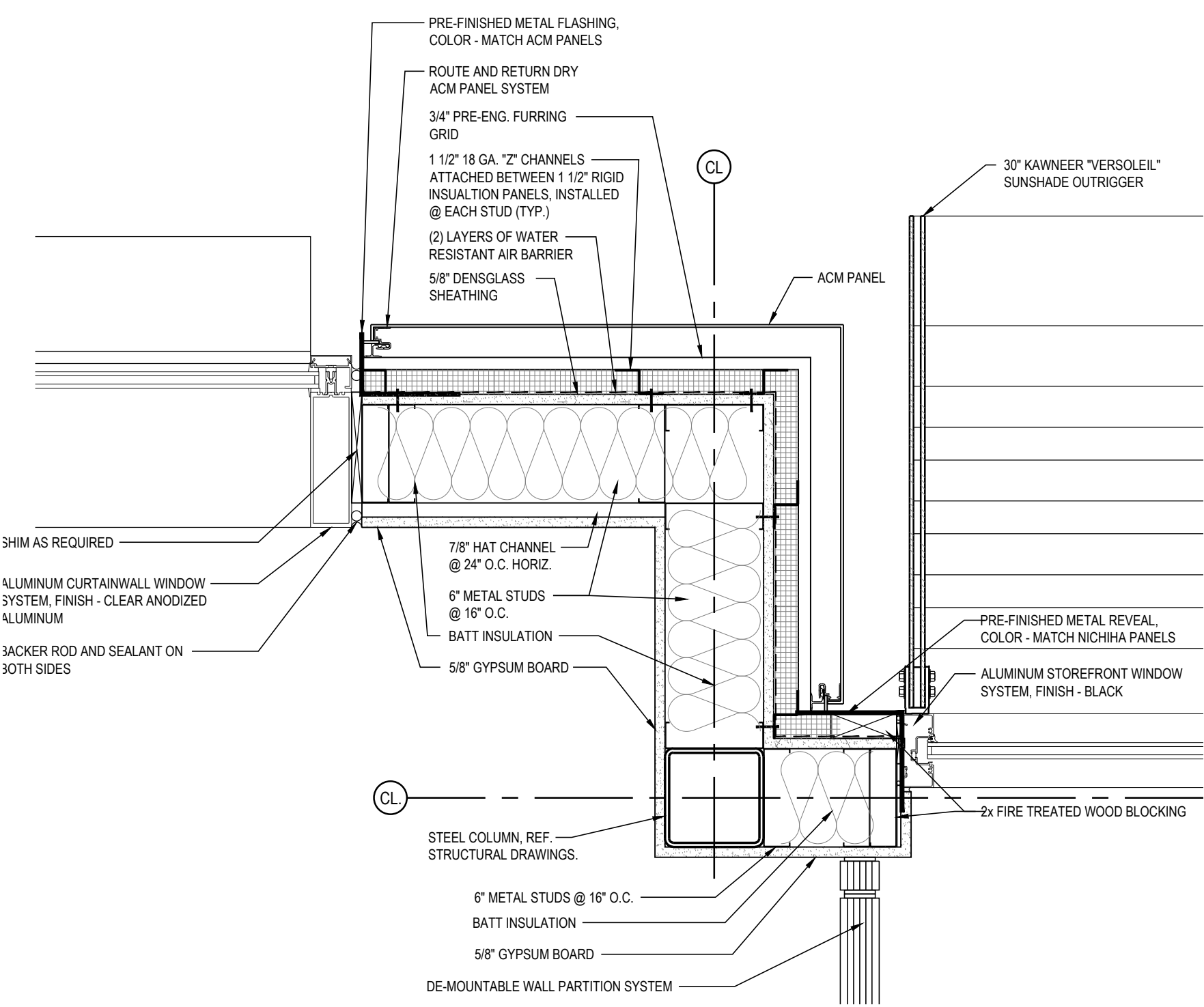
8 CONNECTION DETAIL  
A5.1.5 1 1/2" = 1'-0"



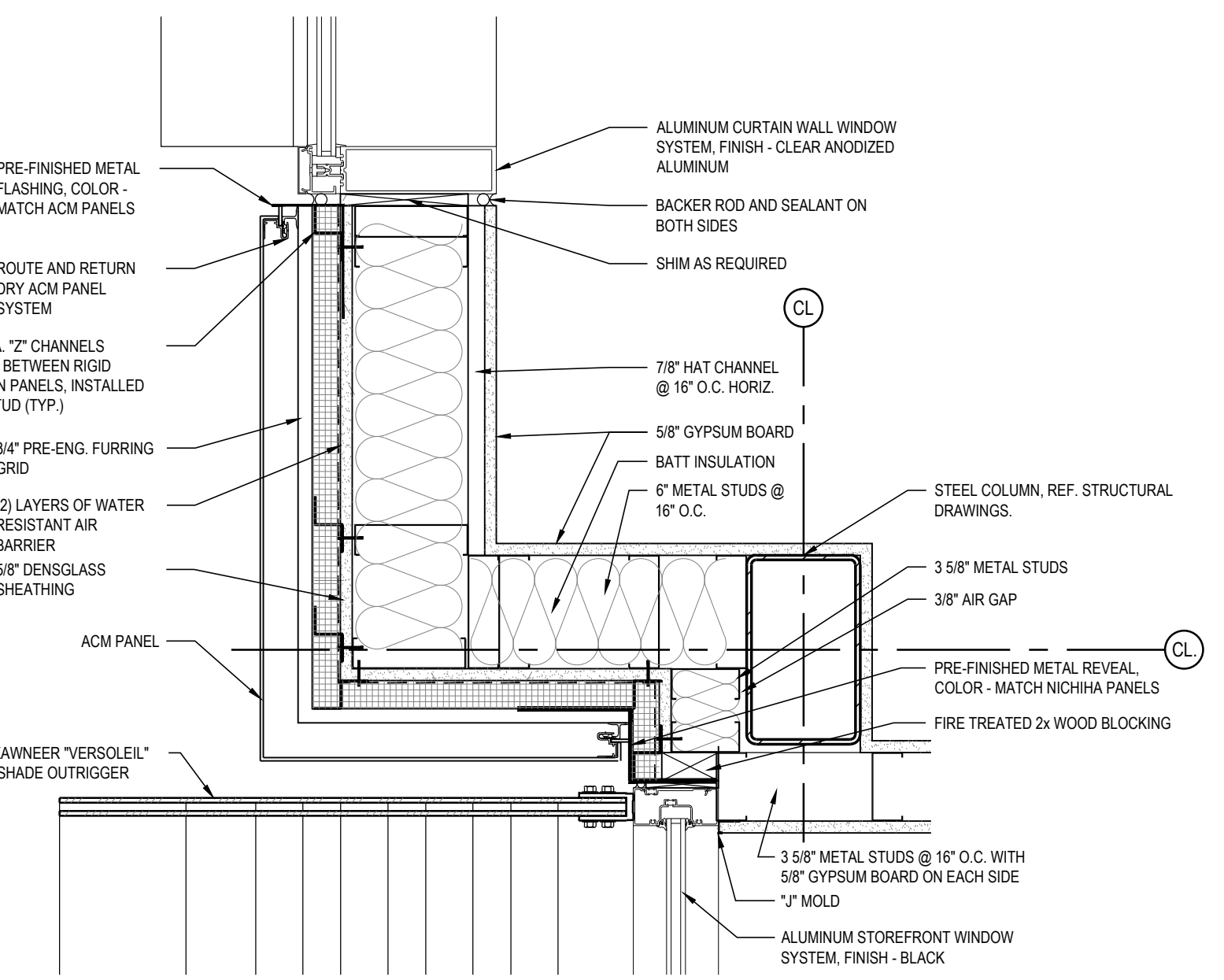
7 CONNECTION DETAIL  
A5.1.5 1 1/2" = 1'-0"



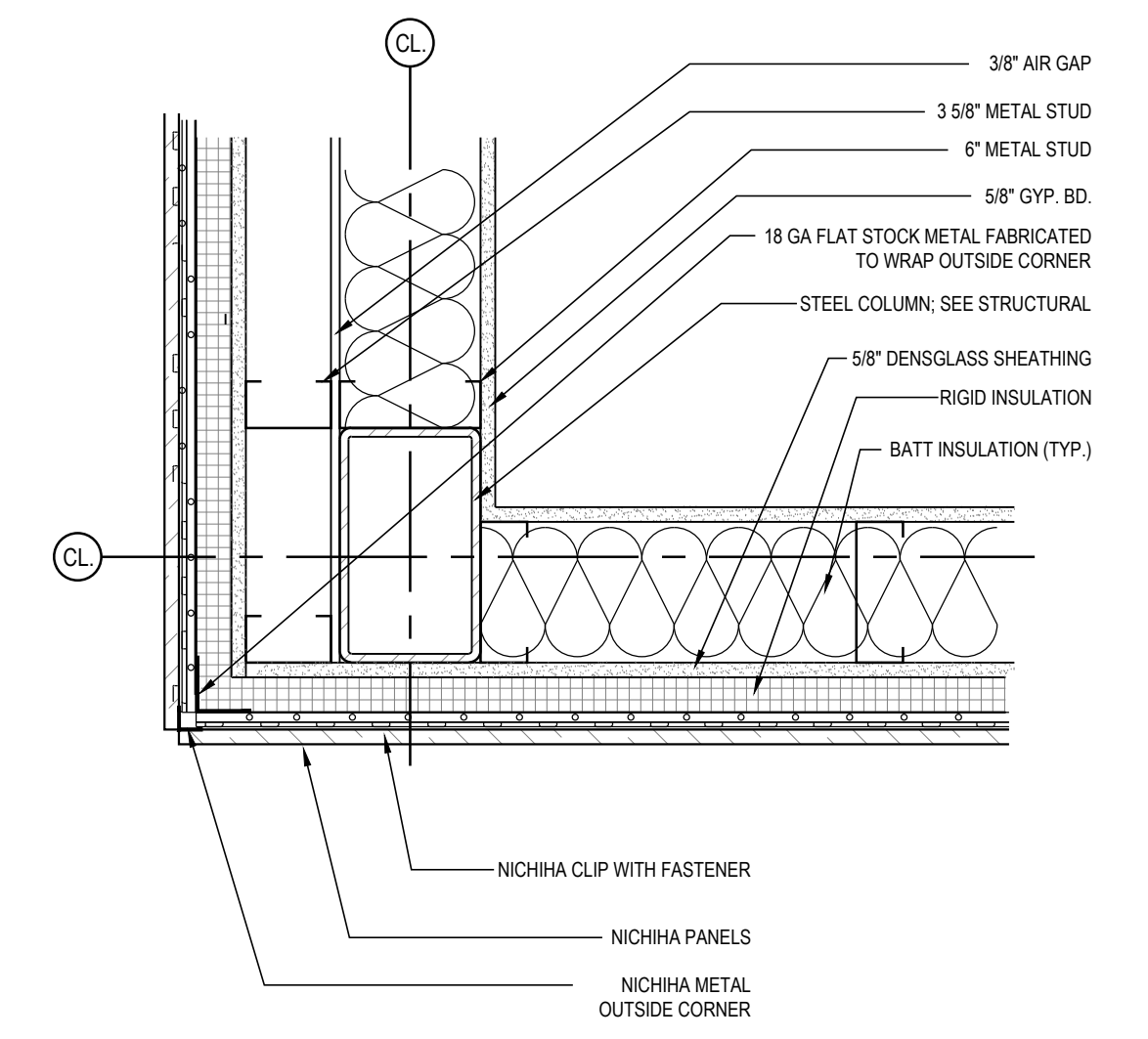
6 MULLION @ CURTAINWALL  
A5.1.5 1 1/2" = 1'-0"



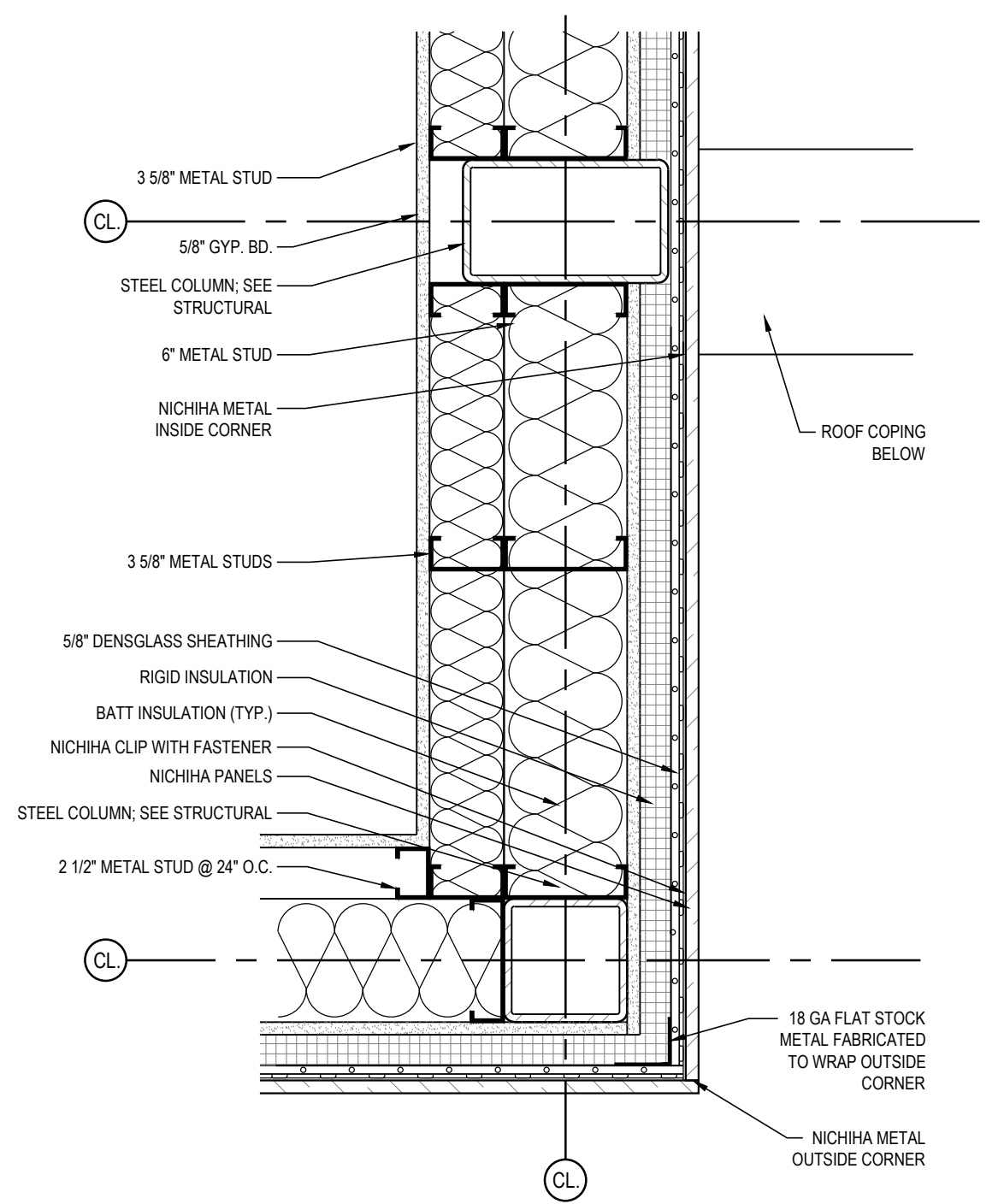
5 ACM CORNER DETAIL  
A5.1.5 1 1/2" = 1'-0"



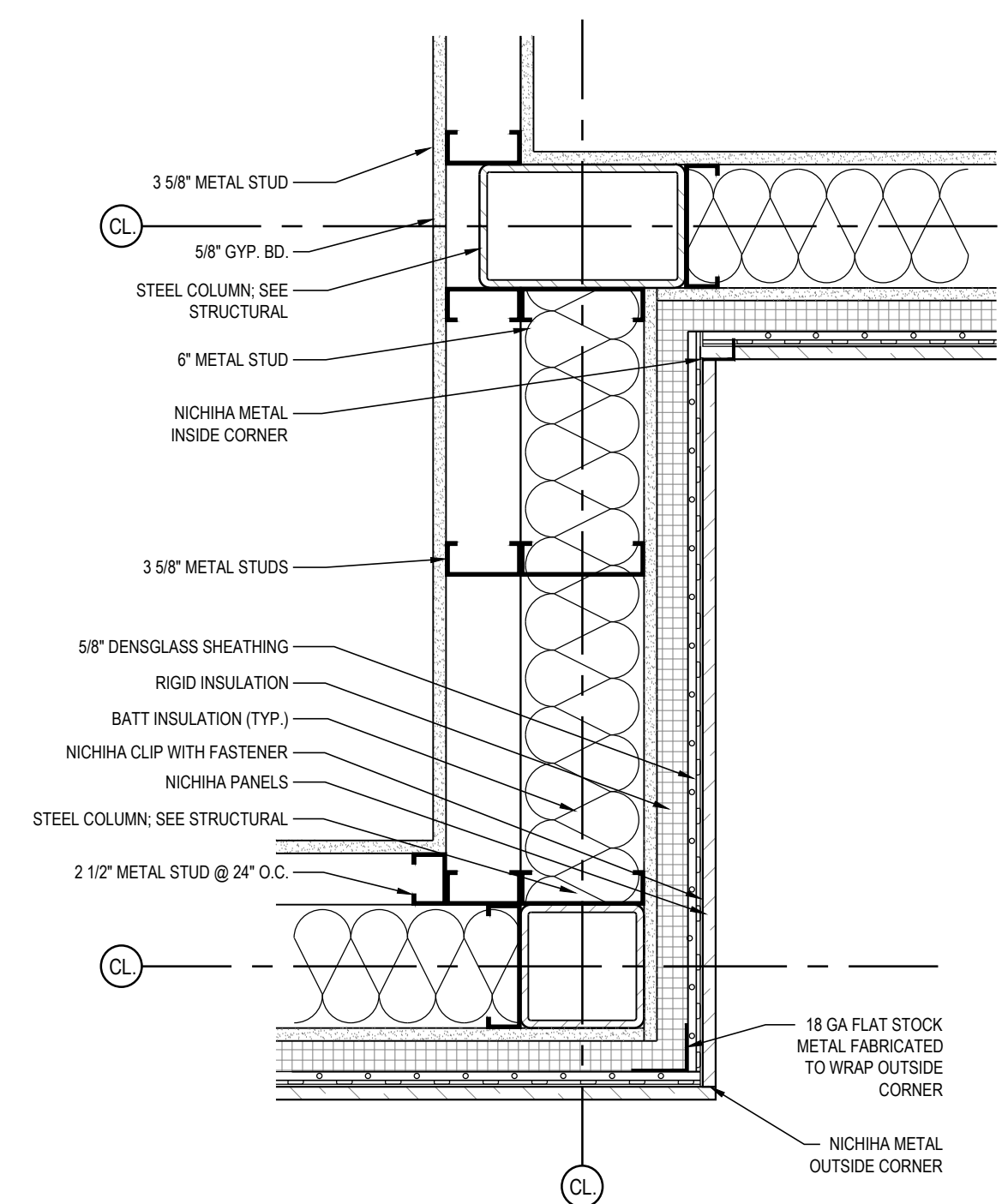
4 ACM CORNER DETAIL  
A5.1.5 1 1/2" = 1'-0"



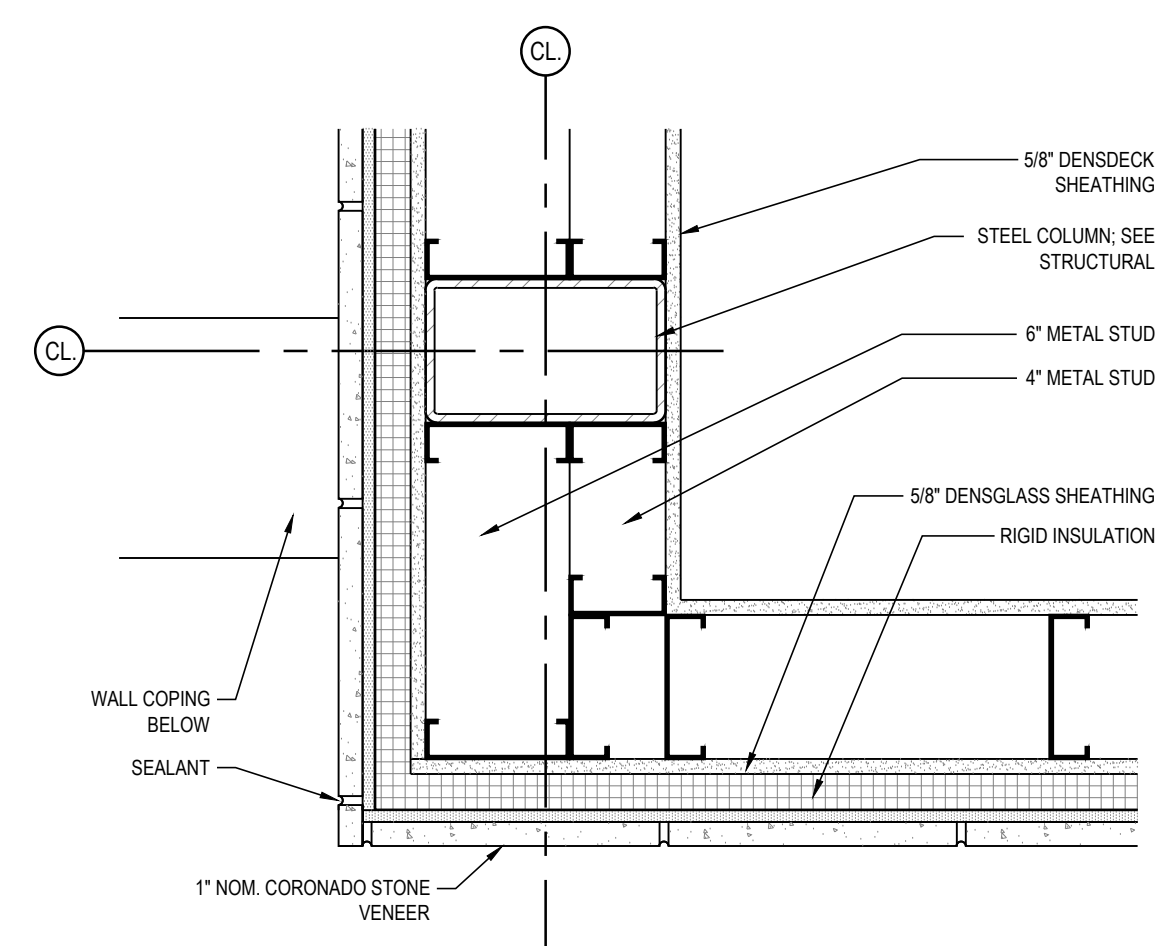
3 CORNER DETAIL @ NICHIIHA  
A5.1.5 1 1/2" = 1'-0"



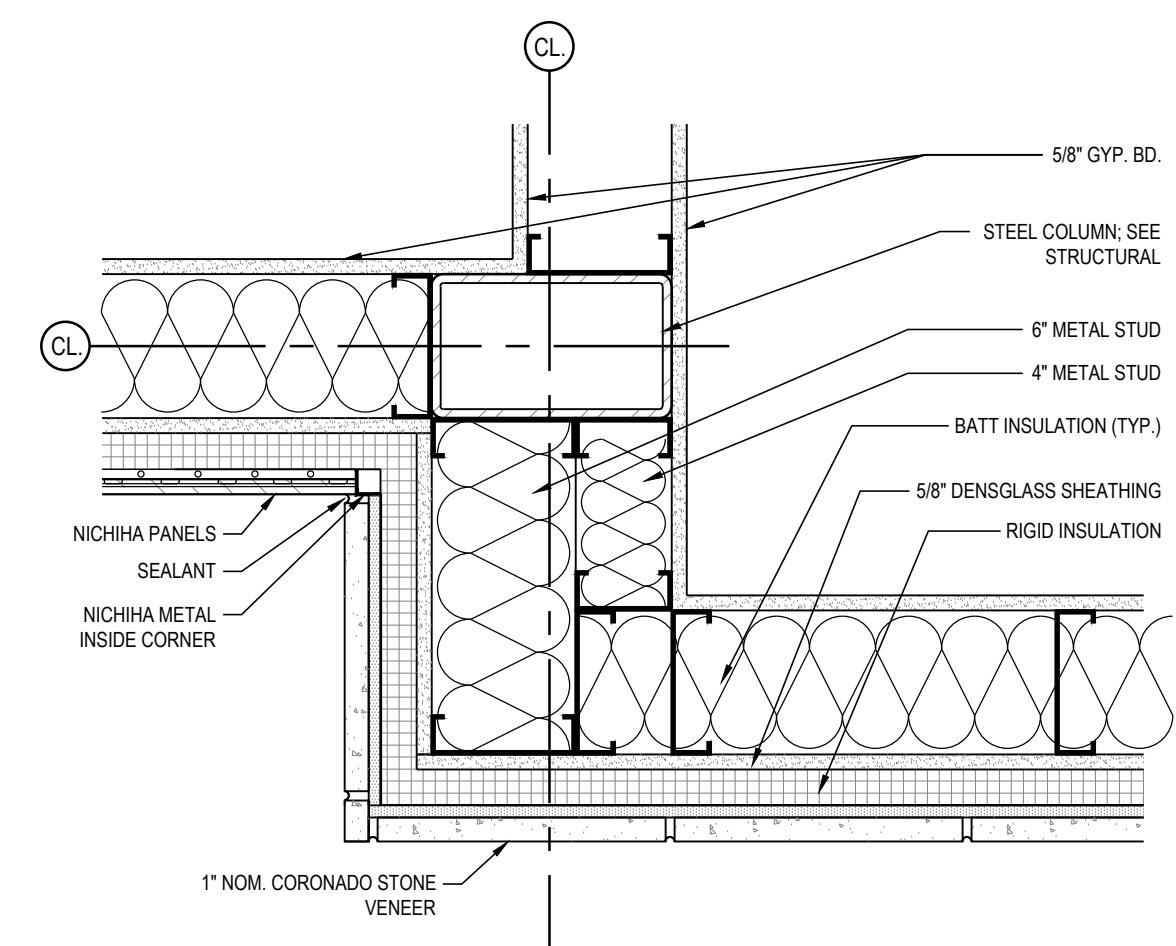
2A CORNER DETAIL @ NICHIIHA  
A5.1.5 1 1/2" = 1'-0"



2 CORNER DETAIL @ NICHIIHA  
A5.1.5 1 1/2" = 1'-0"



1A CORNER DETAIL @ STONE & NICHIIHA  
A5.1.5 1 1/2" = 1'-0"



1 CORNER DETAIL @ STONE & NICHIIHA  
A5.1.5 1 1/2" = 1'-0"

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
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890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P36899

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4000 Chipmunk Street Suite 200  
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COA #: A-2014026908

ARCHITECT OF RECORD

**STATE OF MISSOURI**  
ROBERT BRUCE LASURS  
JANUARY 08, 2021  
NUMBER A-7504  
ARCHITECT

ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION

PROJECT NO: JPM.27135.001  
DATE: 2020.12.21  
PROTOTYPE: 20.2  
DRAWN BY: C.THEBEAU  
CHECKED BY: B.LASURS  
VERSION: SE\_1.00

SHEET TITLE

DETAILS:  
EXTERIOR CORNERS AND  
STOREFRONT MULLION

SHEET NUMBER

A5.1.5





ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

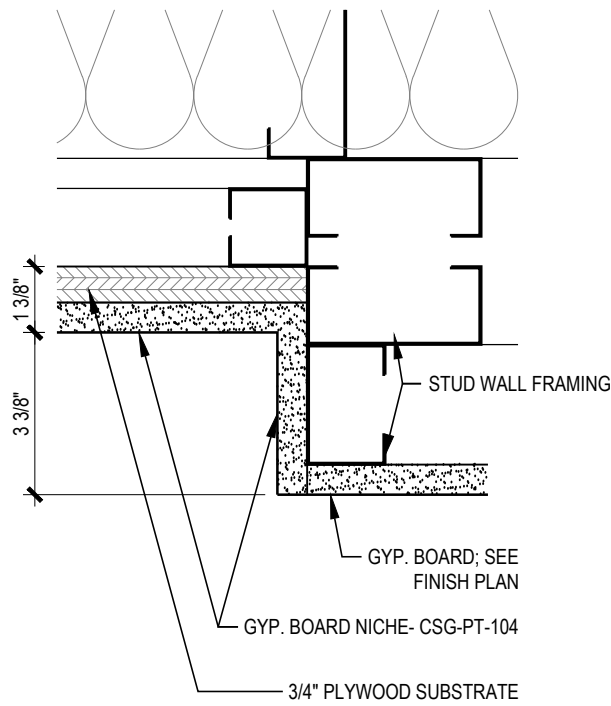
PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE.1.00	

SHEET TITLE

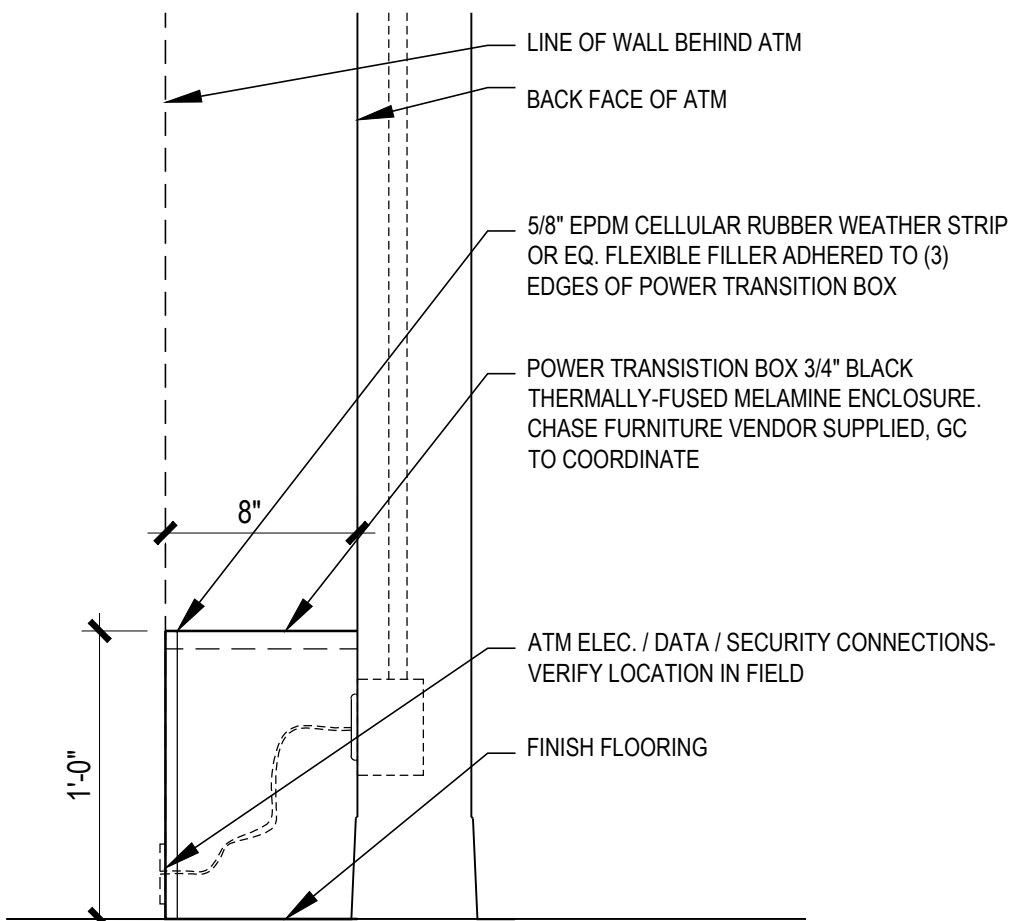
DETAILS:  
ATM

SHEET NUMBER

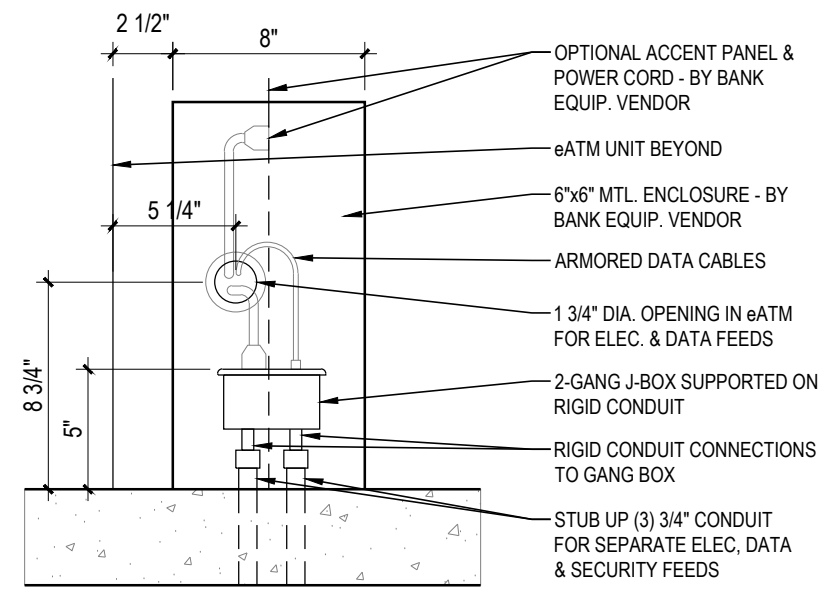
A5.5.2



10  
A5.5.2  
SCREEN NICHE  
3" = 1'-0"



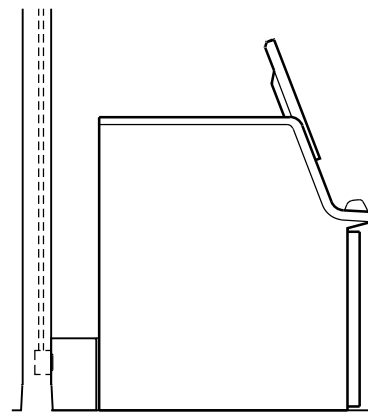
9  
A5.5.2  
ATM KEY BOX-SECTION  
1-1/2" = 1'-0"



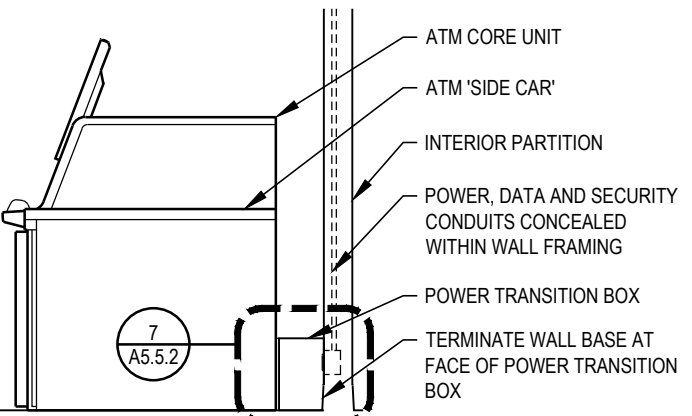
8  
A5.5.2  
ATM KEY BOX-ELEVATION  
1-1/2" = 1'-0"

7  
A5.5.2  
MILLWORK  
POWER TRANSITION BOX  
1 1/2" = 1'-0"

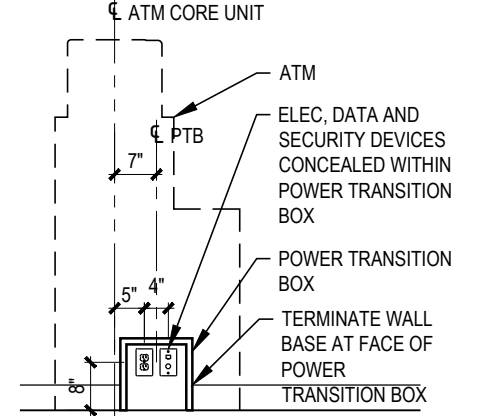
6  
A5.5.2  
FREESTANDING eATM - ELEC./DATA/  
SECURITY ROUGH-INS (VERT.)  
1 1/2" = 1'-0"



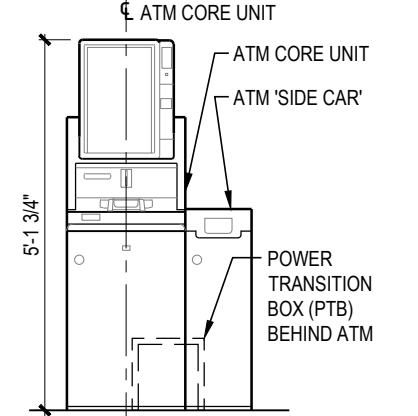
LEFT SIDE



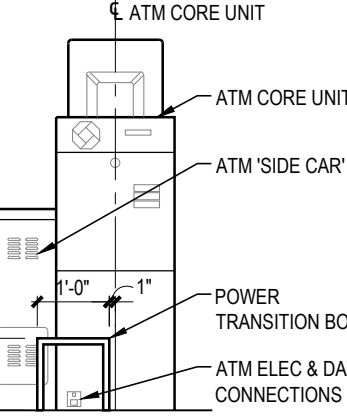
RIGHT SIDE



WALL

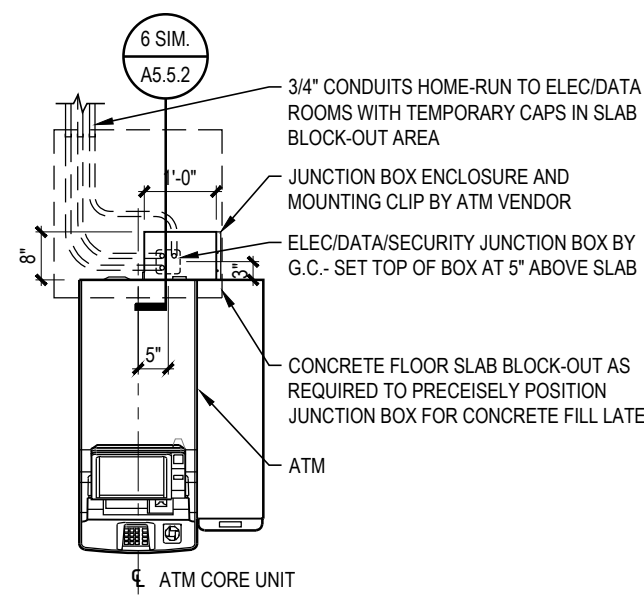


FRONT

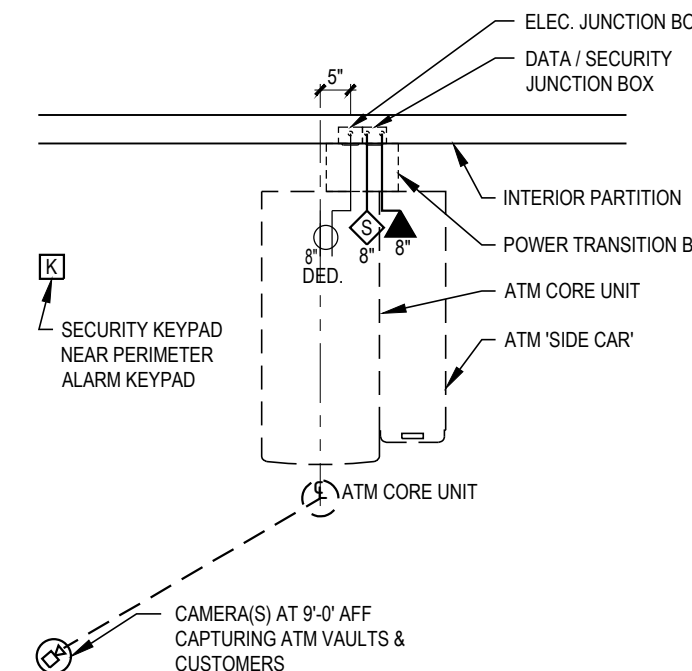


BACK

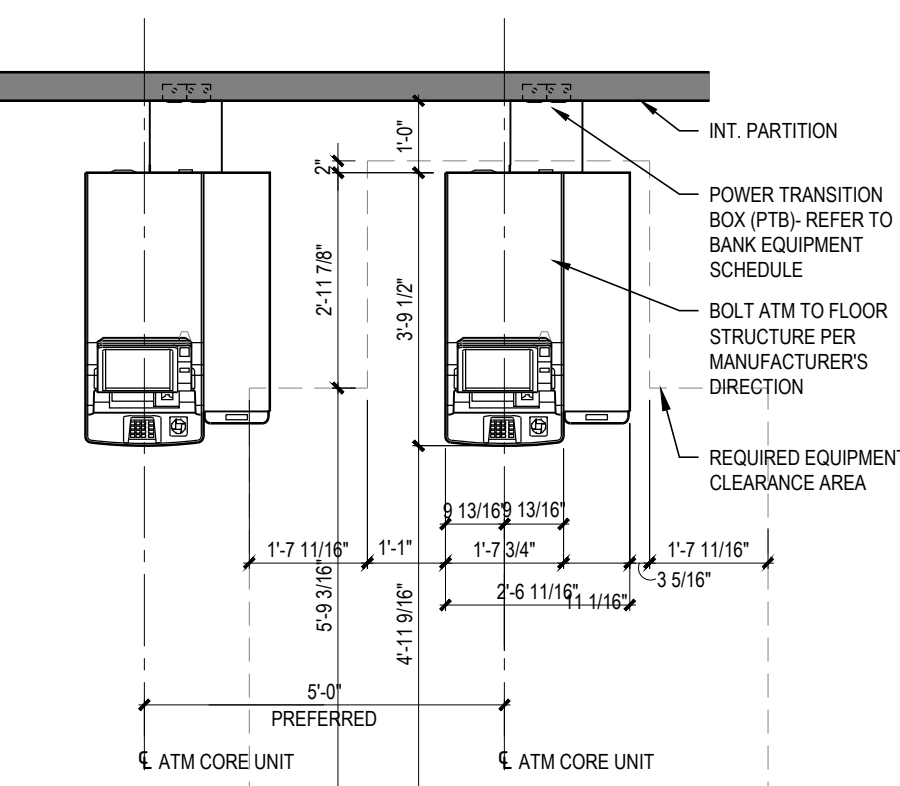
5  
A5.5.2  
ATM v3.0 ELEVATIONS  
3/8" = 1'-0"



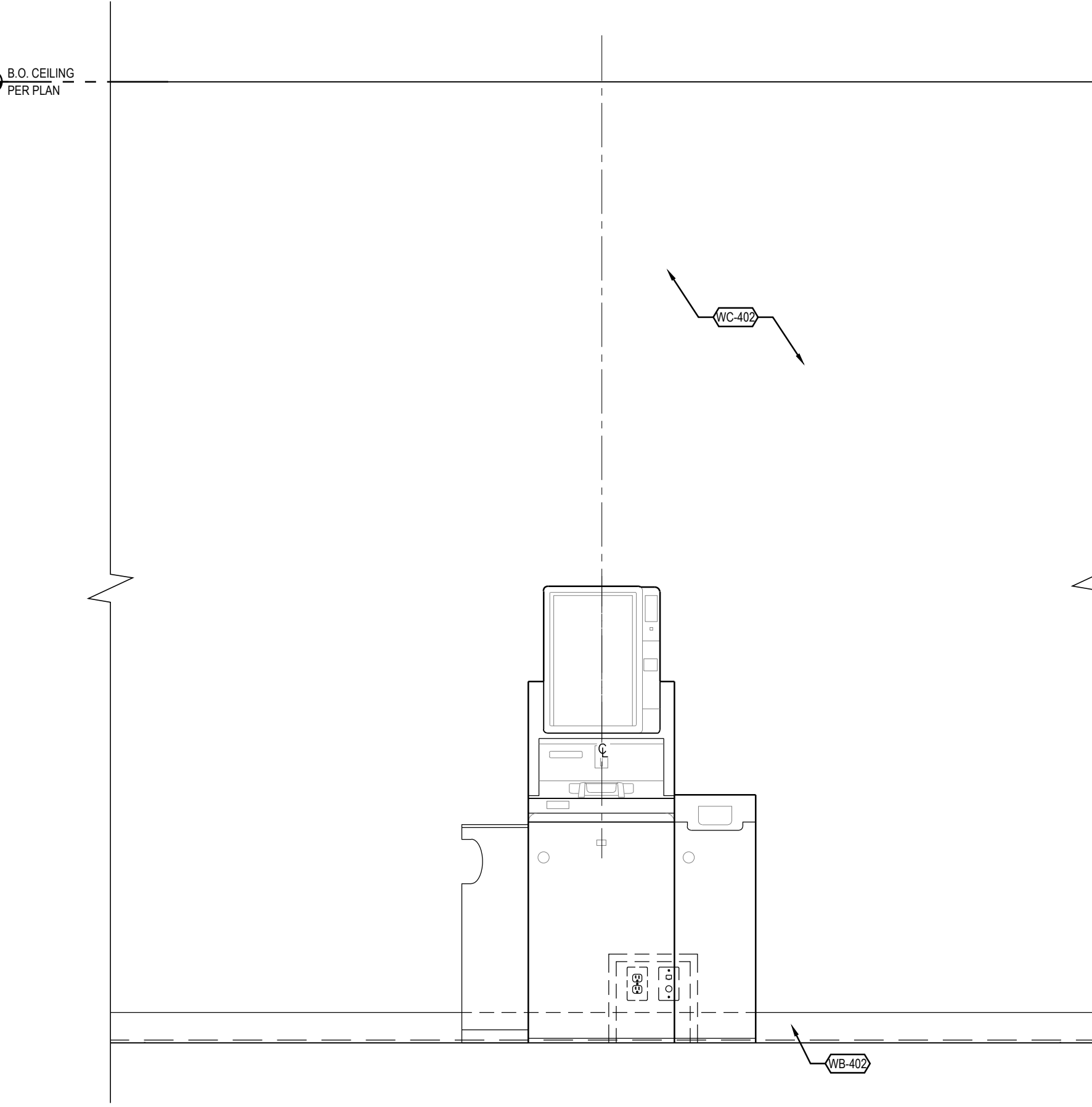
4  
A5.5.2  
ATM v3.0  
FREESTANDING PLAN  
3/8" = 1'-0"



3  
A5.5.2  
ATM v3.0  
ELEC./DATA/SEC. PLAN  
3/8" = 1'-0"

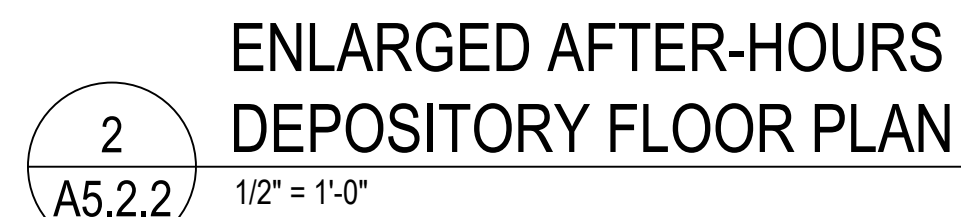


2  
A5.5.2  
ATM v3.0  
FLOOR PLAN  
3/8" = 1'-0"



1  
A5.5.2  
INT. ELEV. AT eATM V3.0  
3/4" = 1'-0"



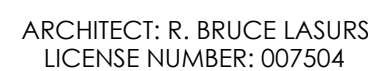


**CHASE** 

JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEES SUMMIT, MO 64063  
CHASE OVP#38200P368999

COA #: A-201402690

ARCHITECT OF RECORD



THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE  
SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL  
WHICH ARE PART OF THE CONTRACT DOCUMENTS.

PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
<b>PROTOTYPE:</b>	<b>20.2</b>
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LaSUR
VERSION:	SE_1.00

VERSIO
SHEET TITLE

SHEET NUMBER

## A5.2.2



NOTE: ALL WOOD BLOCKING & PLYWOOD SHALL BE FIRE-TREATED.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
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**CORE STATES**  
GROUP  
4000 Chipmew Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

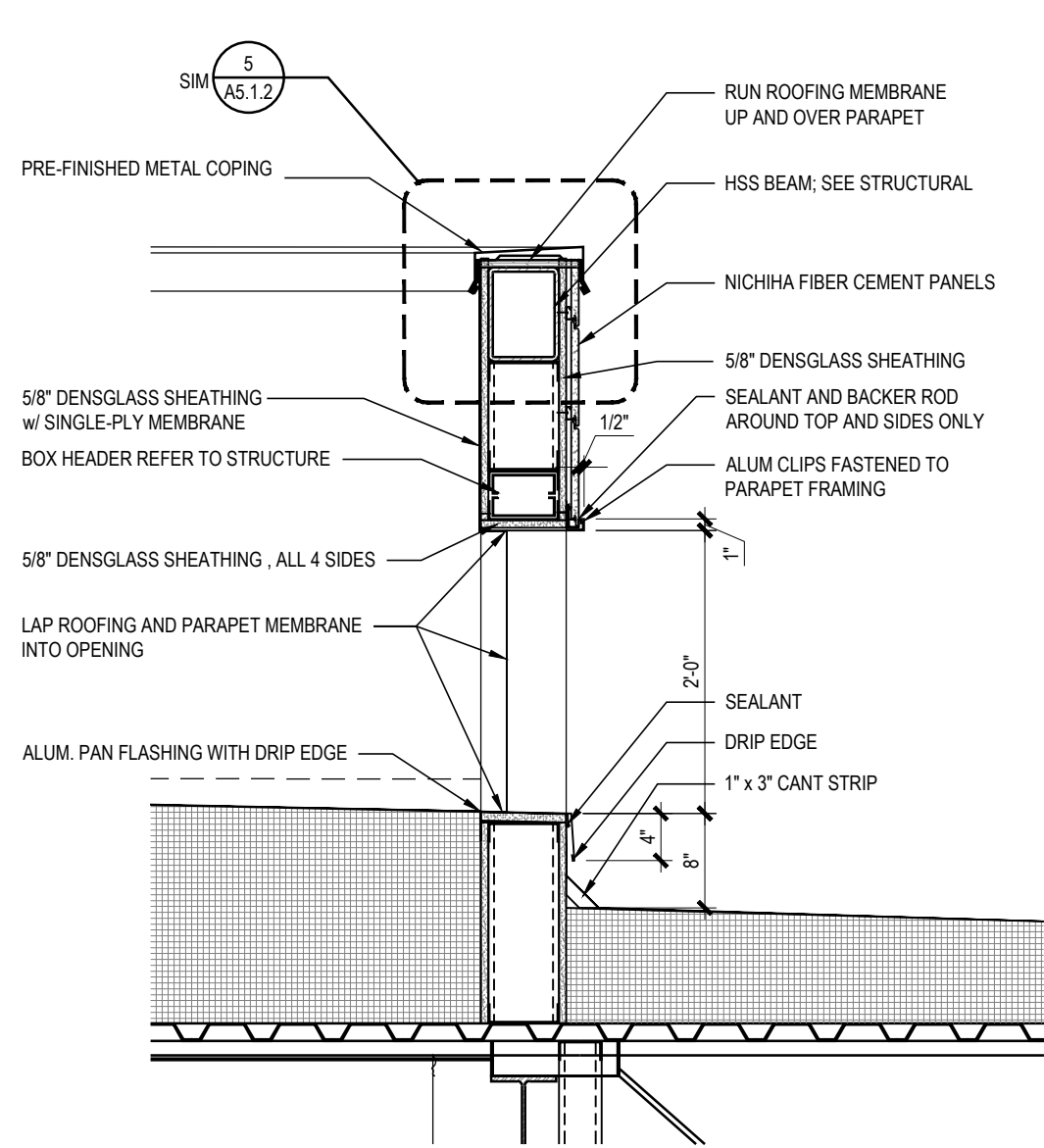
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PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LASURS
VERSION:	SE_1.00

SHEET TITLE

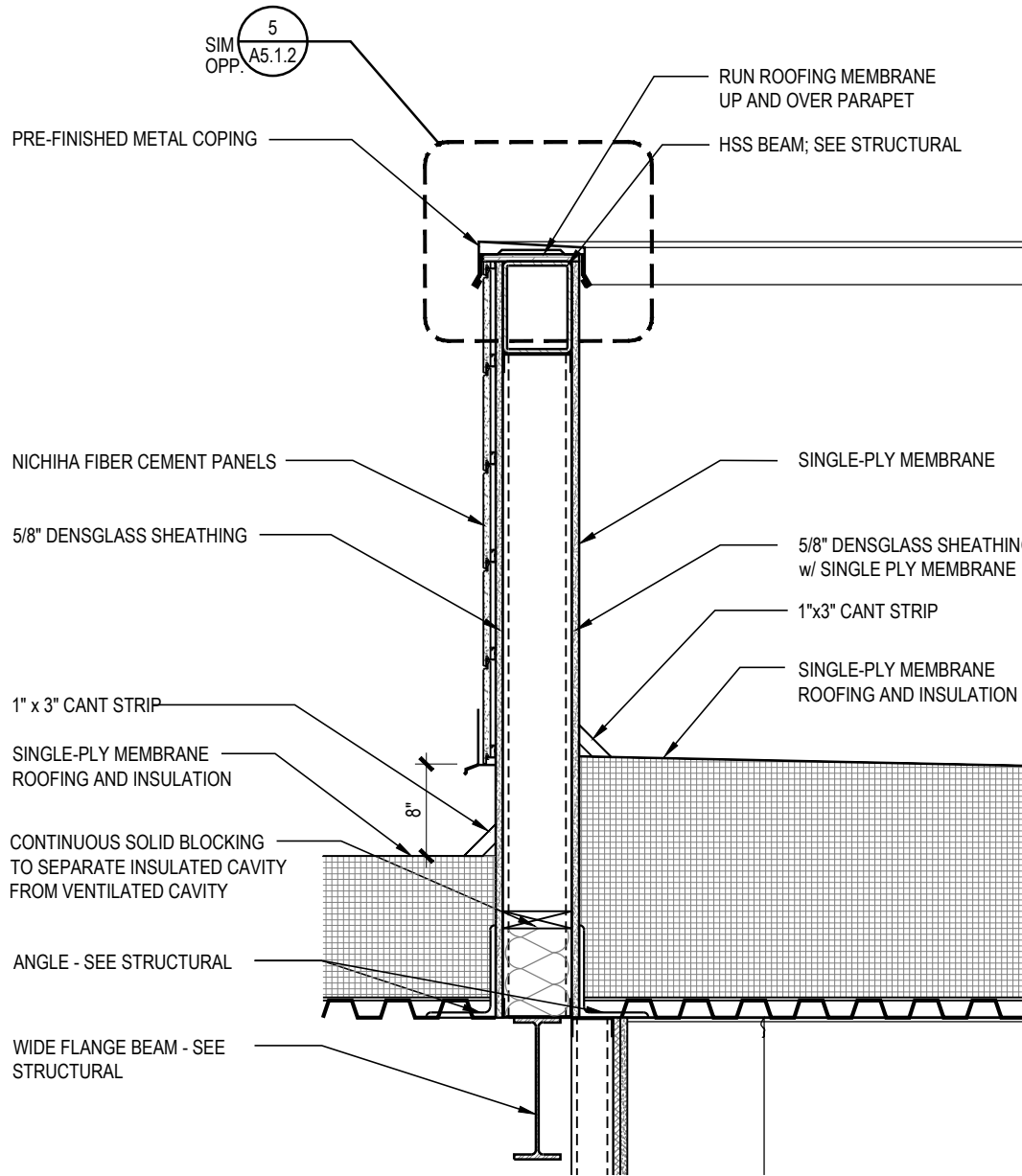
DETAILS:  
ROOF

SHEET NUMBER

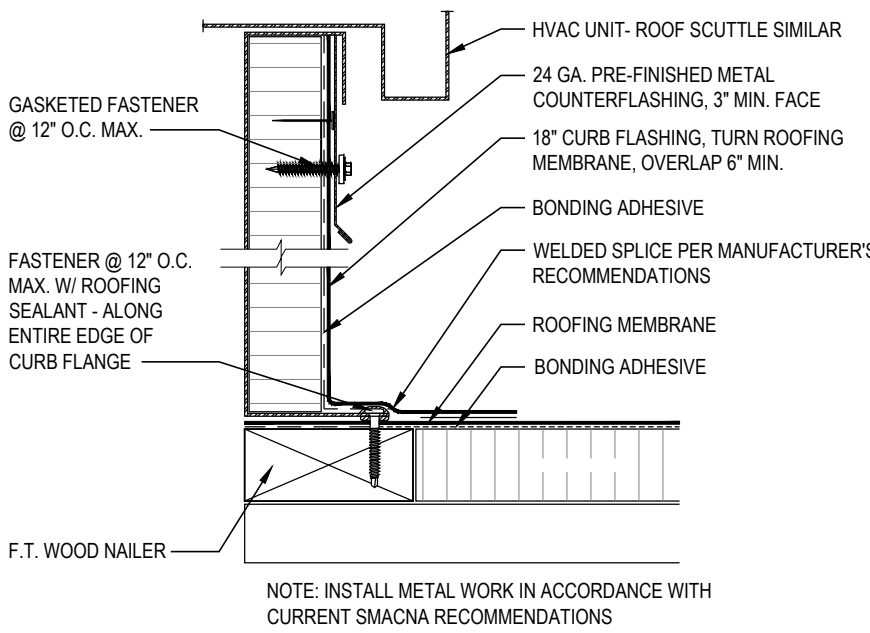
A5.3.1



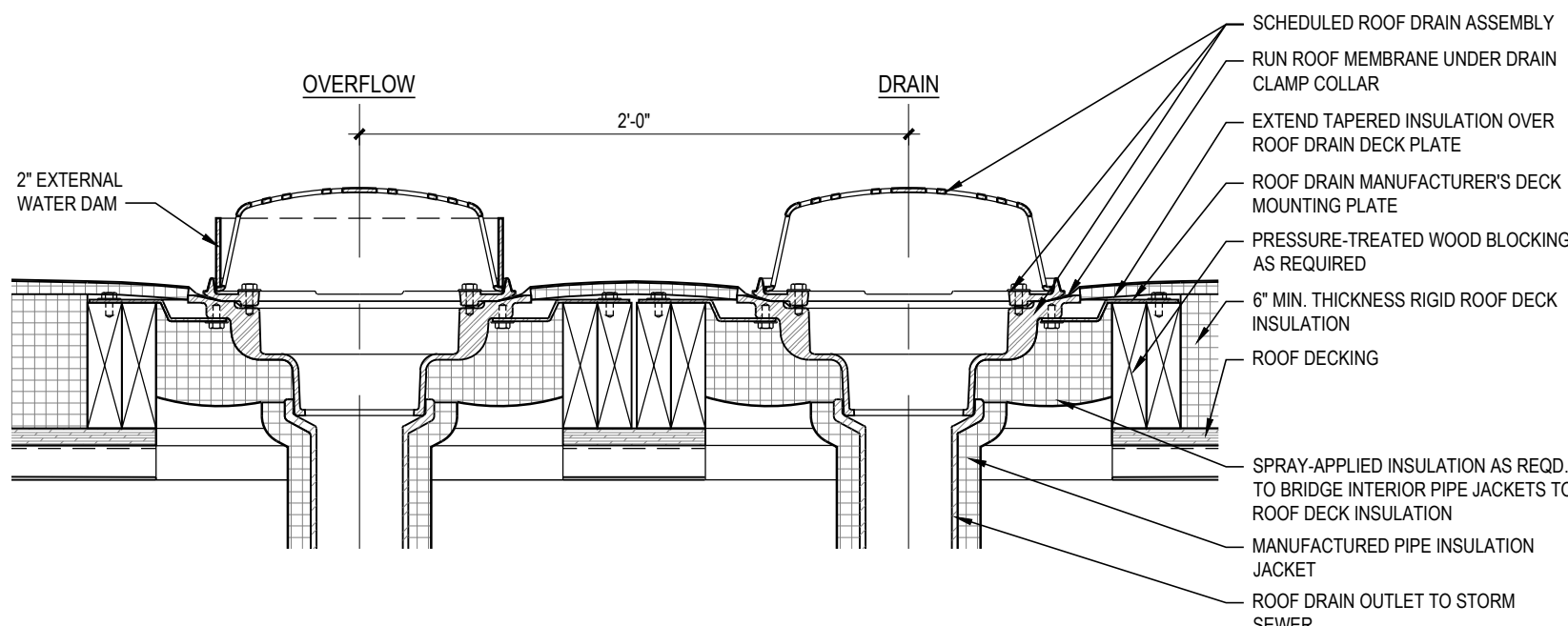
8  
A5.3.1  
ACCESS OPENING SECTION  
3/4" = 1'-0"



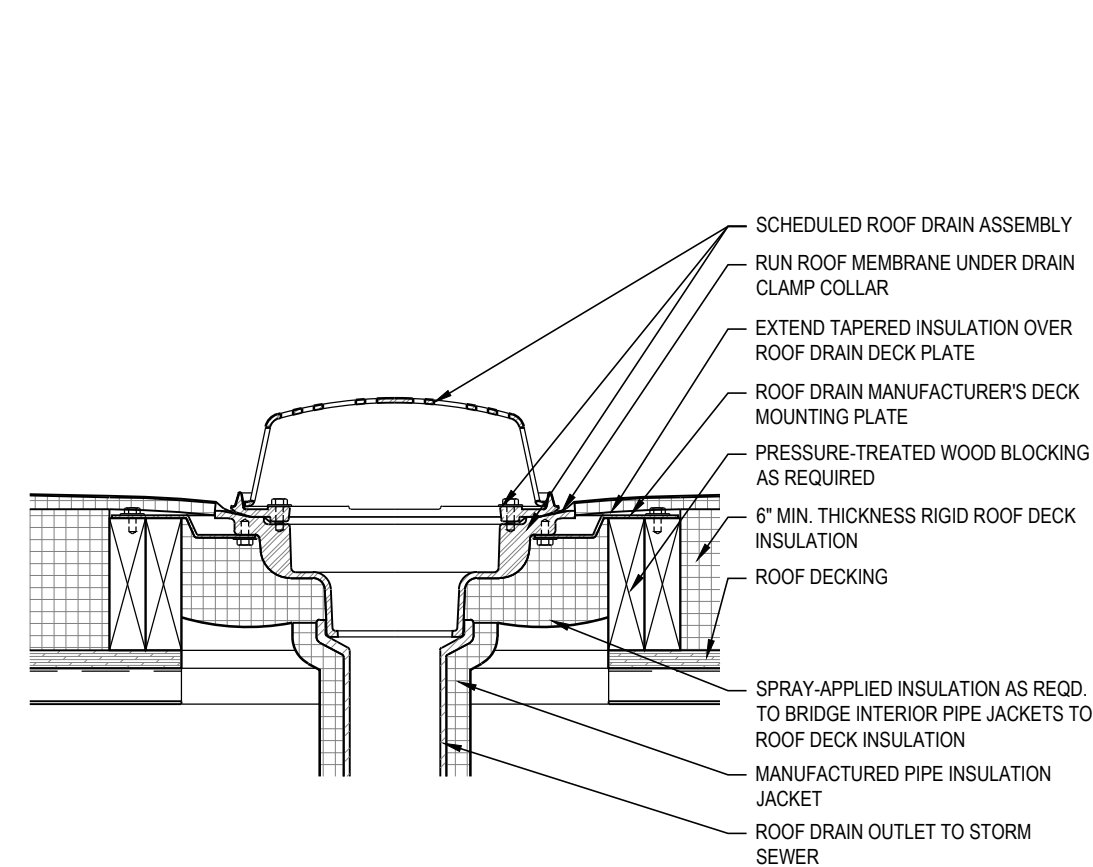
7  
A5.3.1  
ROOF/ PARAPET TRANSITION  
3/4" = 1'-0"



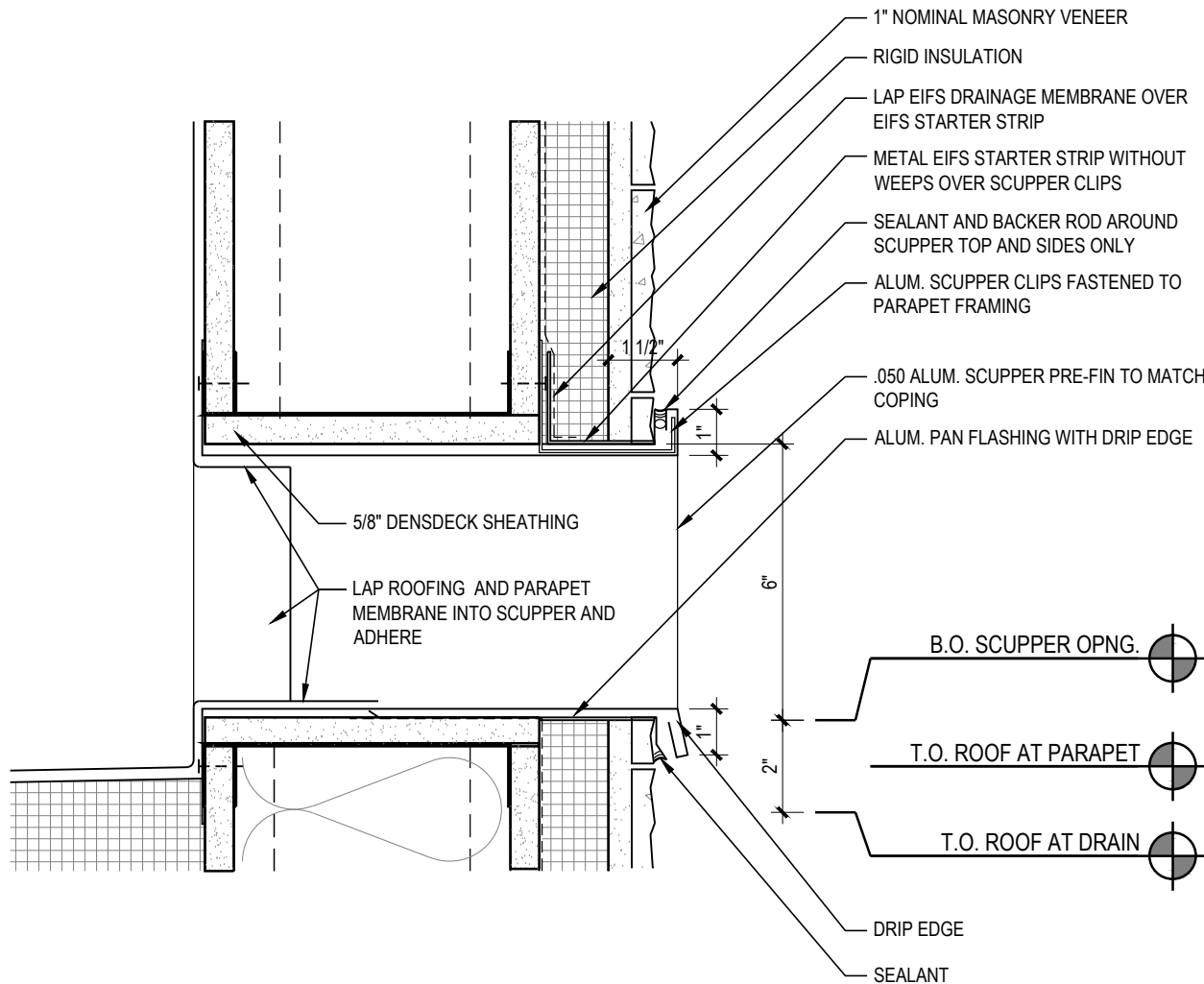
6  
A5.3.1  
ROOF EQUIPMENT CURB  
3" = 1'-0"



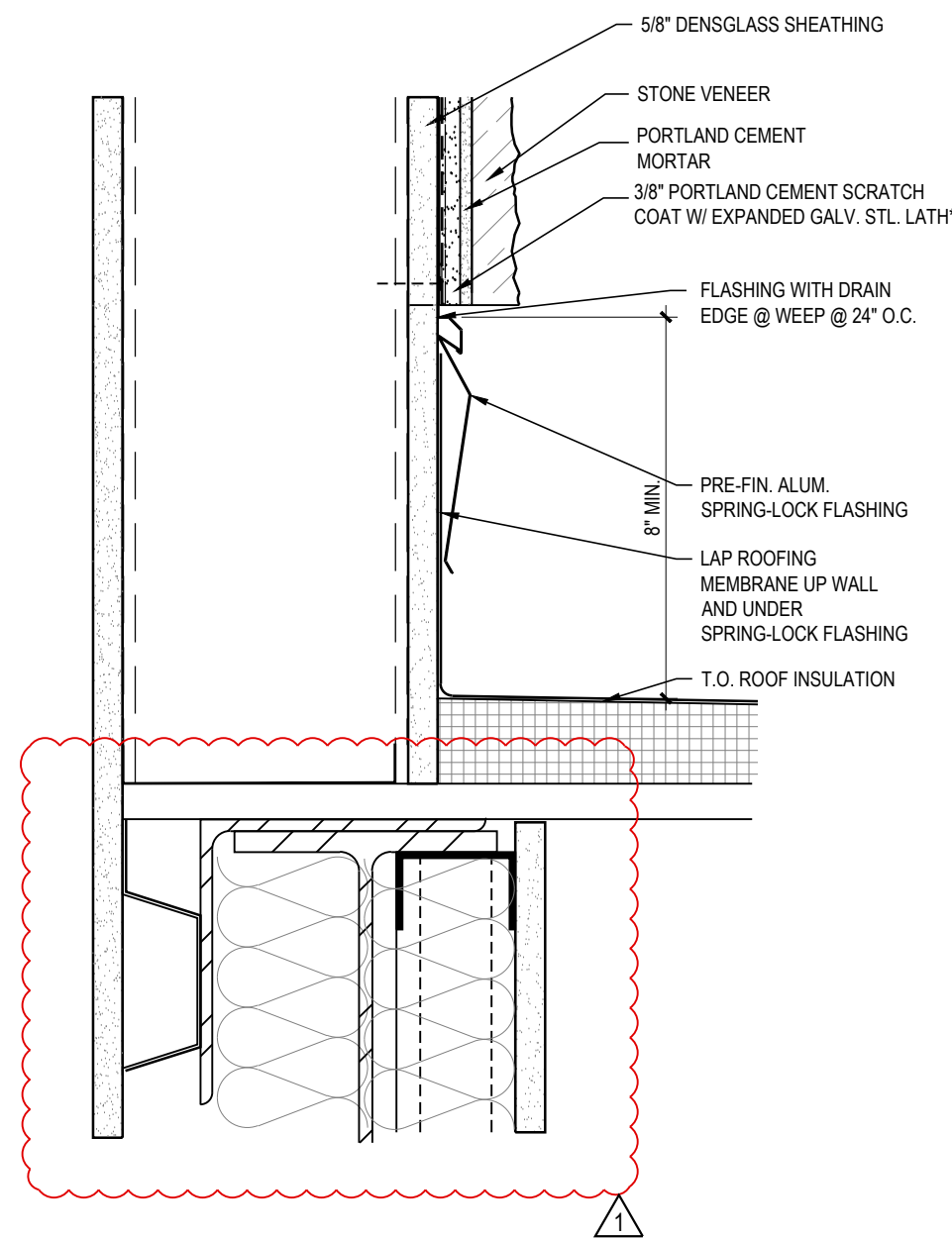
5  
A5.3.1  
ROOF DRAIN WITH OVERFLOW  
1 1/2" = 1'-0"



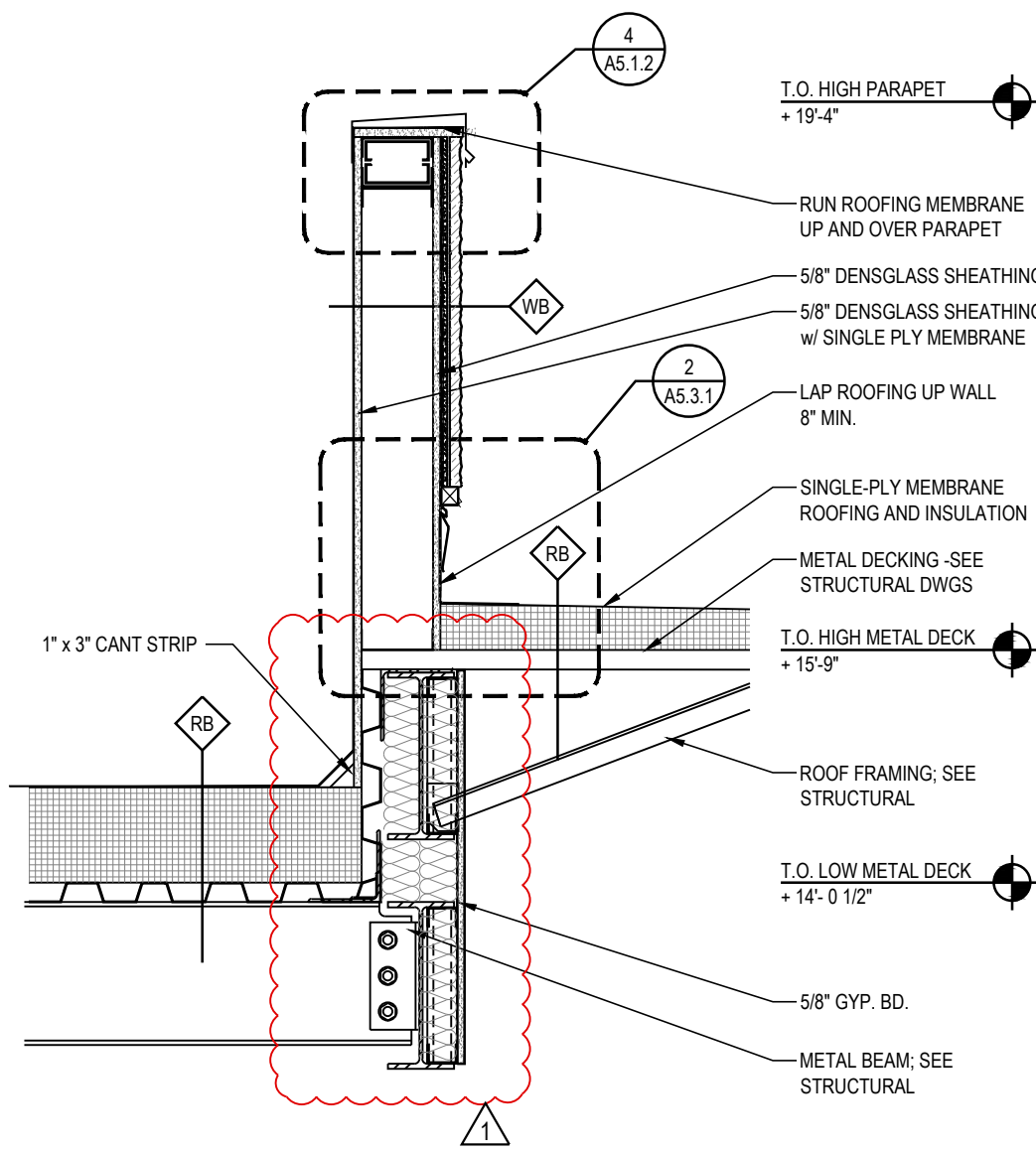
4  
A5.3.1  
TYPICAL ROOF DRAIN  
1 1/2" = 1'-0"



3  
A5.3.1  
OVERFLOW SCUPPER  
3" = 1'-0"



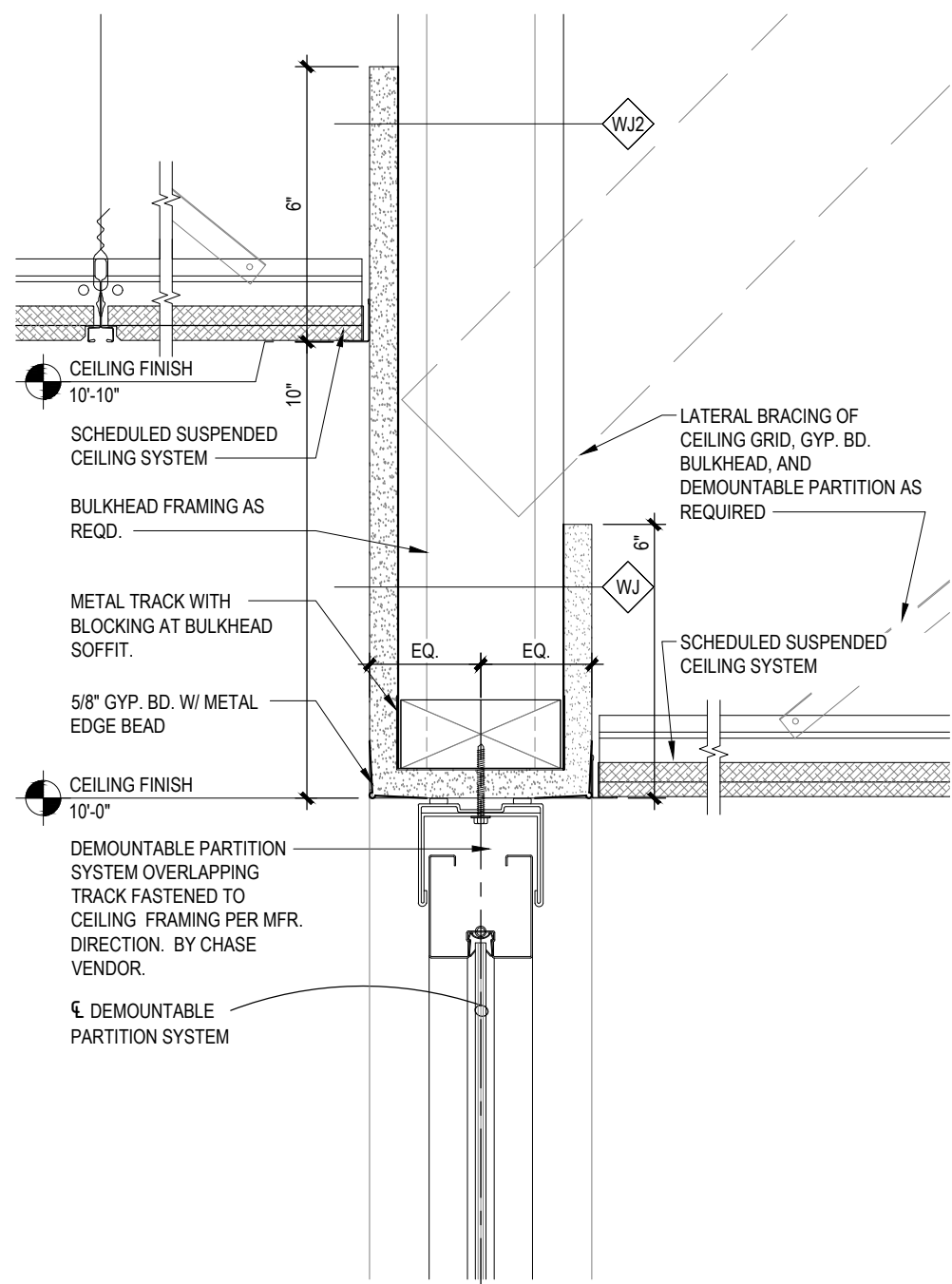
2  
A5.3.1  
ROOF/ WALL FLASHING  
3" = 1'-0"



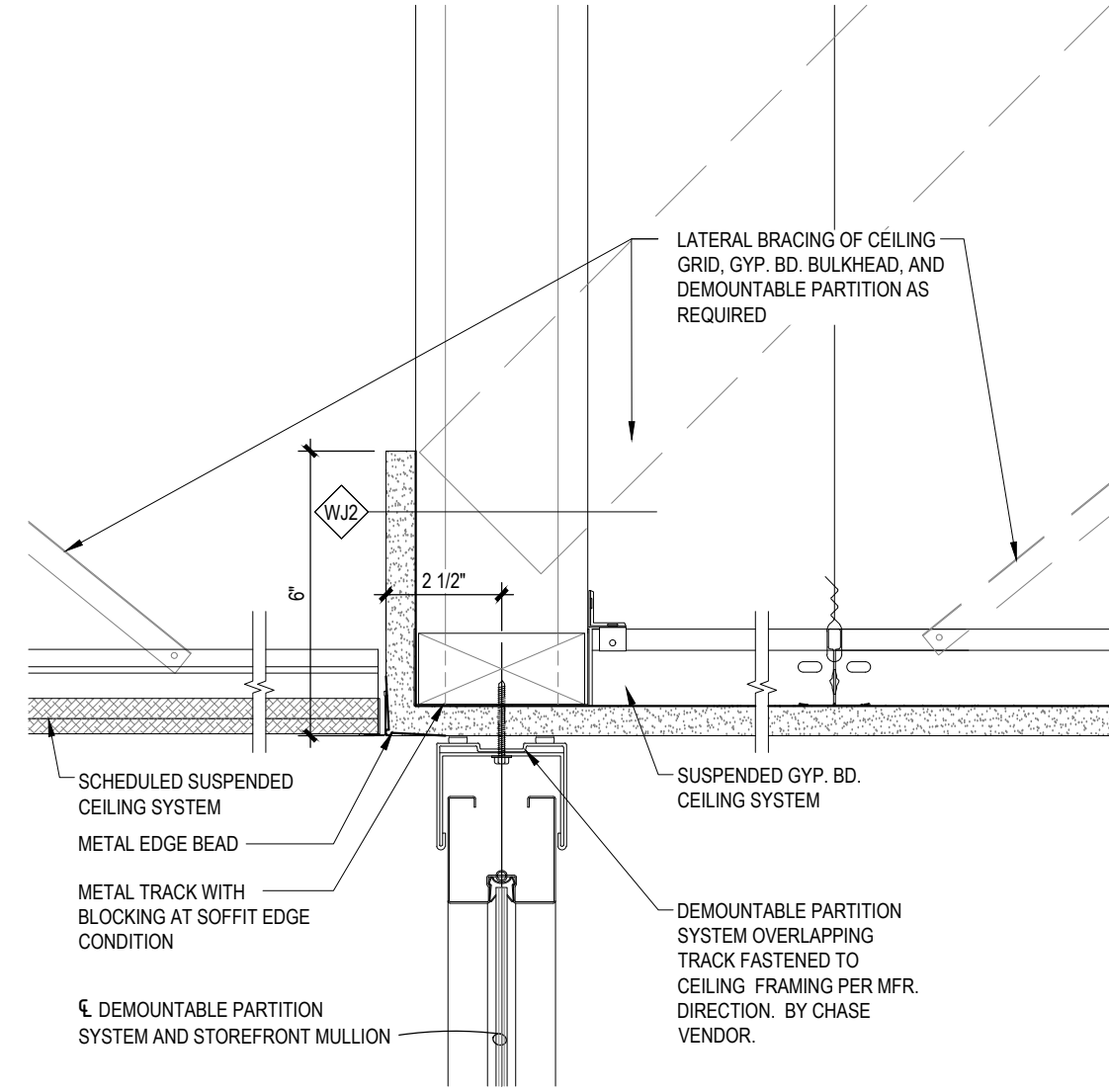
1  
A5.3.1  
ROOF/ PARAPET TRANSITION  
3/4" = 1'-0"

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Wednesday, April 21, 2021 1:42:29 PM

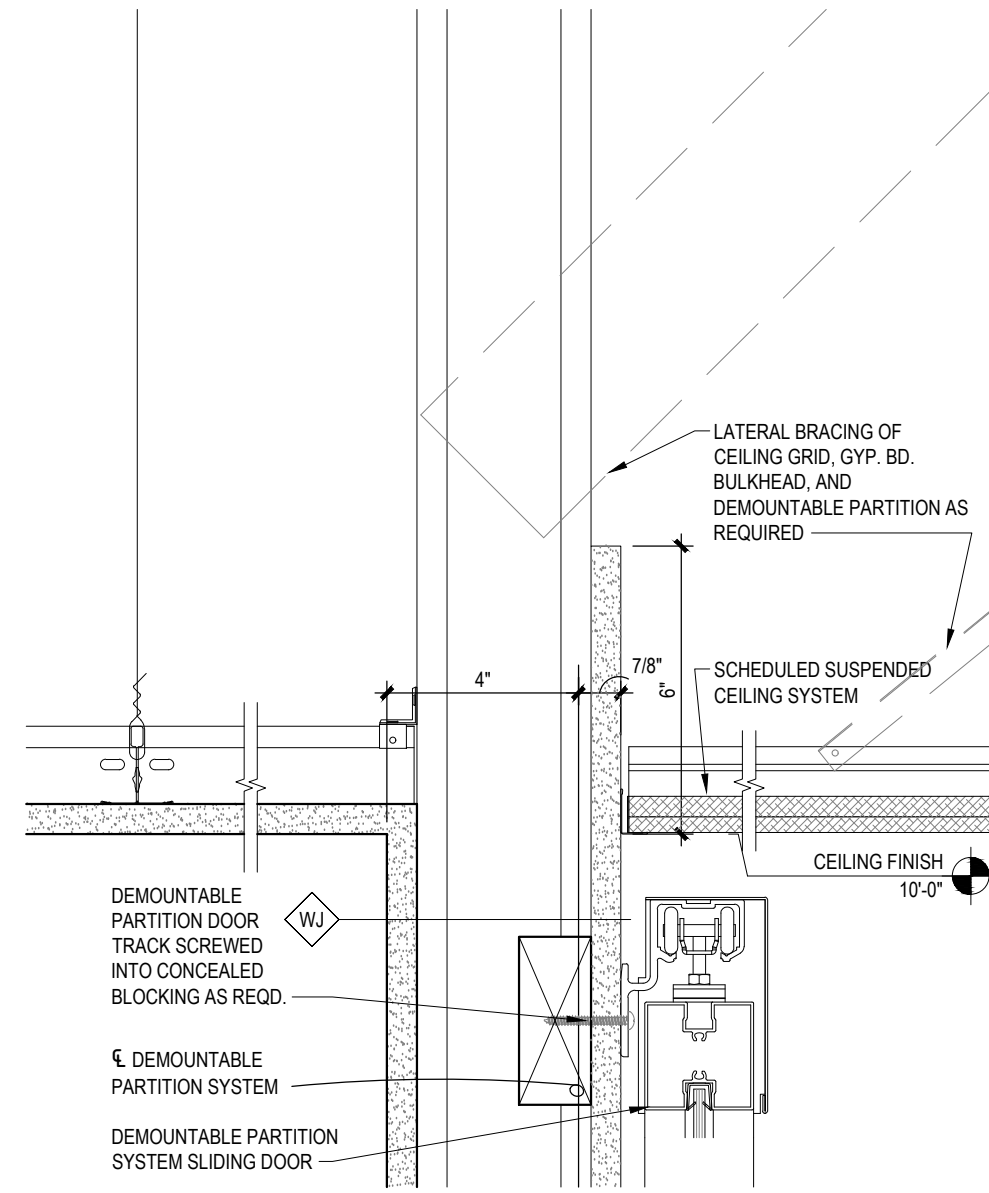




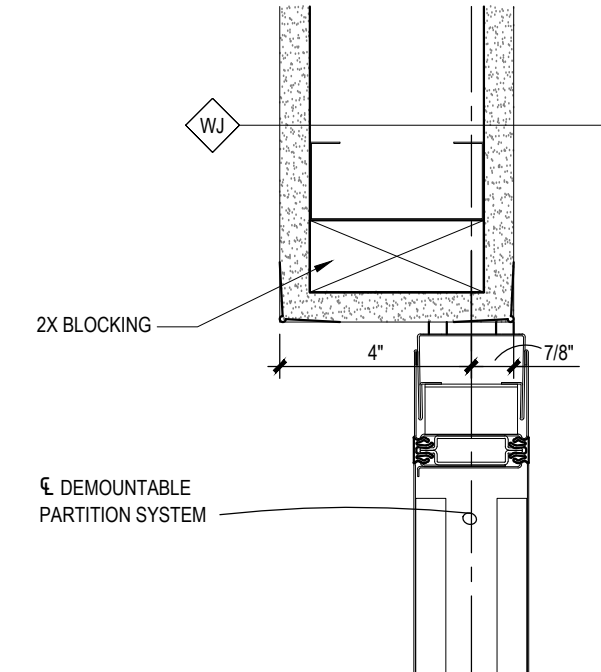
7  
A5.3.3  
TYP. OFFICE / LOBBY AT  
DEMOUNTABLE PARTITION - CENTERED  
3" = 1'-0"



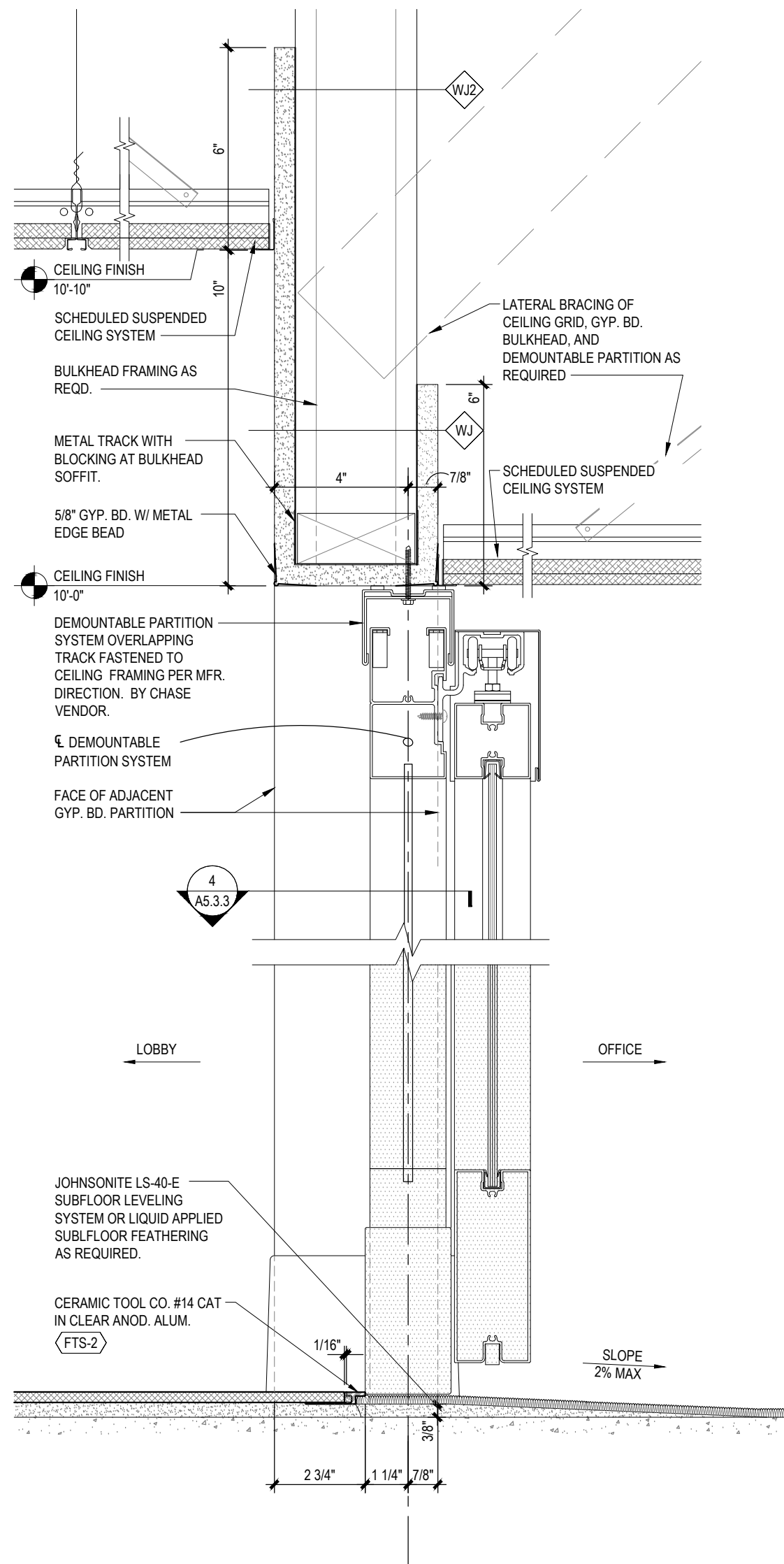
6  
A5.3.3  
TYP. OFFICE / CONFERENCE  
AT DEMOUNTABLE PARTITION  
3" = 1'-0"



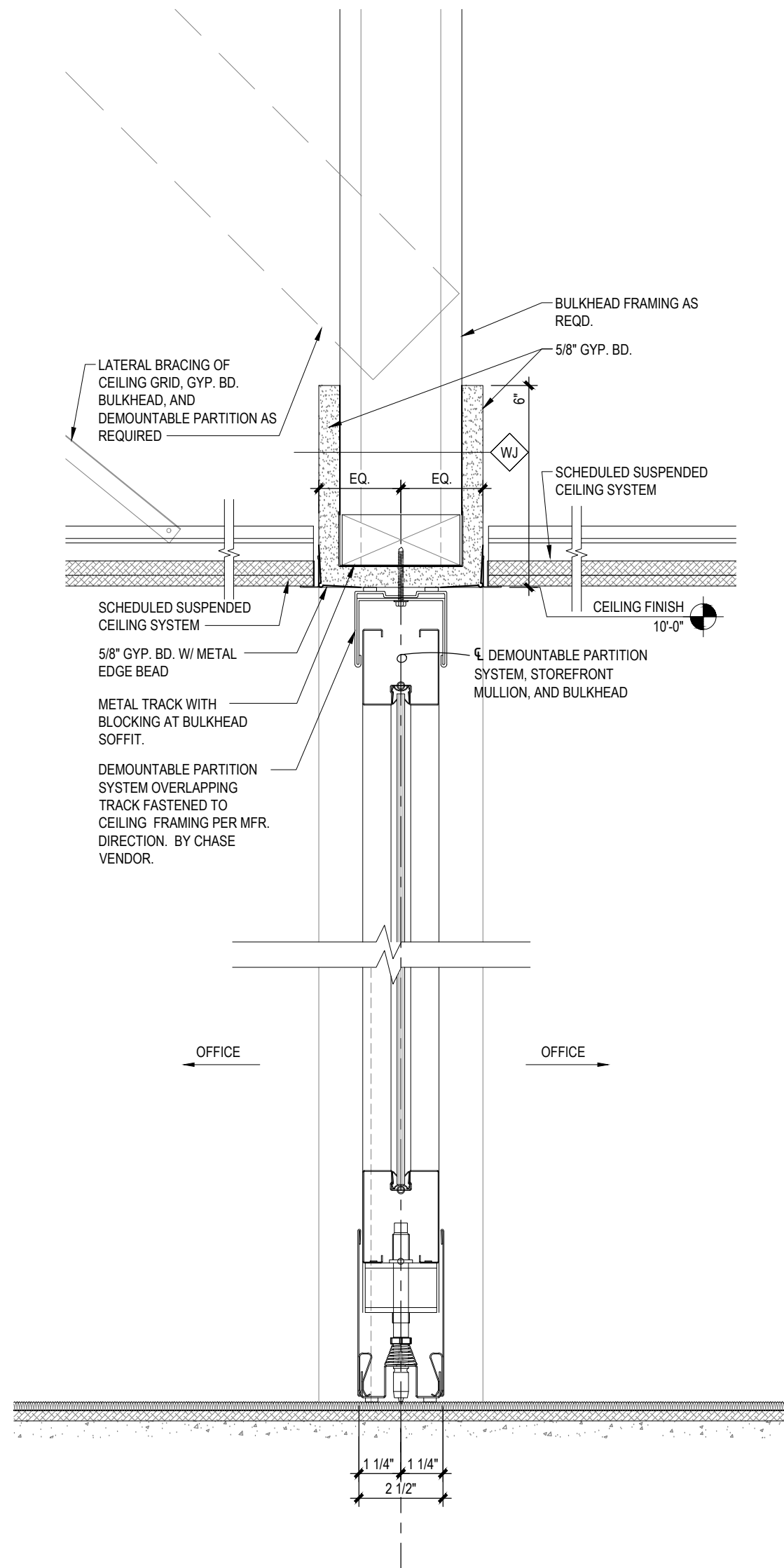
5  
A5.3.3  
DEMOUNTABLE PARTITION  
SLIDING DOOR TRACK  
3" = 1'-0"



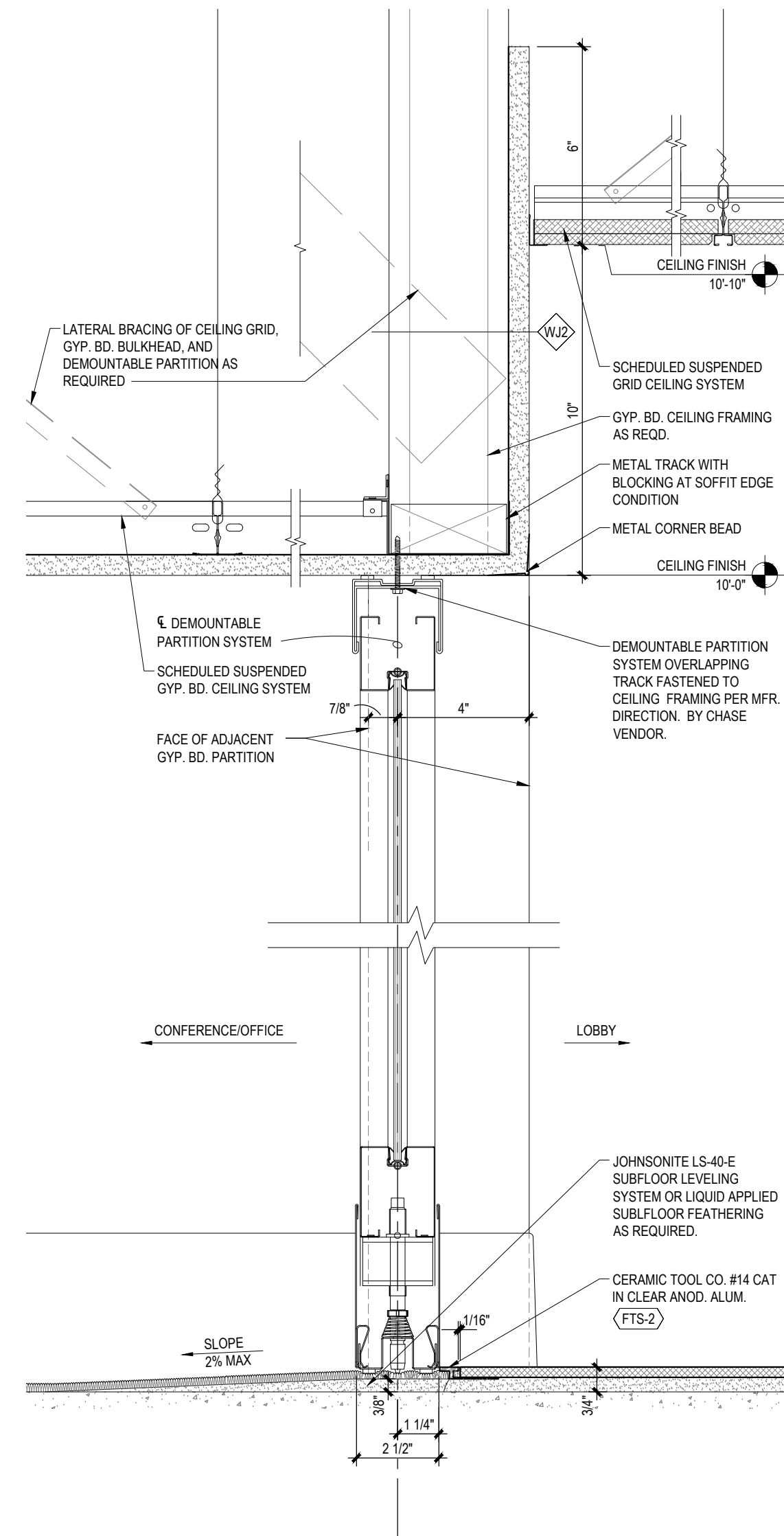
4  
A5.3.3  
TYP. GYPSUM JAMB AT  
DEMOUNTABLE PARTITION  
3" = 1'-0"



3  
A5.3.3  
TYP. OFFICE / LOBBY AT  
DEMOUNTABLE PARTITION DOOR  
3" = 1'-0"



2  
A5.3.3  
TYP. OFFICE / OFFICE AT  
DEMOUNTABLE PARTITION  
3" = 1'-0"



1  
A5.3.3  
TYP. CONFERENCE / LOBBY AT  
DEMOUNTABLE PARTITION  
3" = 1'-0"

RELEASE FOR  
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890 NE LANGSFORD RD  
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CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
4000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE 1.00	

SHEET TITLE

INTERIOR DETAILS:  
DEMOUNTABLE PARTITIONS  
CEILING TRANSITIONS

SHEET NUMBER

A5.3.3



08/13/2021

COA #: A-201402690

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1	2021.04.20	STRUCTURAL STEEL REV

PROJECT NO:	JPM.27135.00
DATE:	2020.12.2
<b>PROTOTYPE:</b>	<b>20.</b>
DRAWN BY:	C.THEBEA
CHECKED BY:	B.LaSUR
VERSION:	SE 1.0

SHEET TITLE

SHEET NUMBER

### A5.4.1



### 3 ROOF SCUTTLE & LADDER - SECTION



RELEASE FOR  
CONSTRUCTION  
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DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

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-	2020.12.21	PERMIT SET

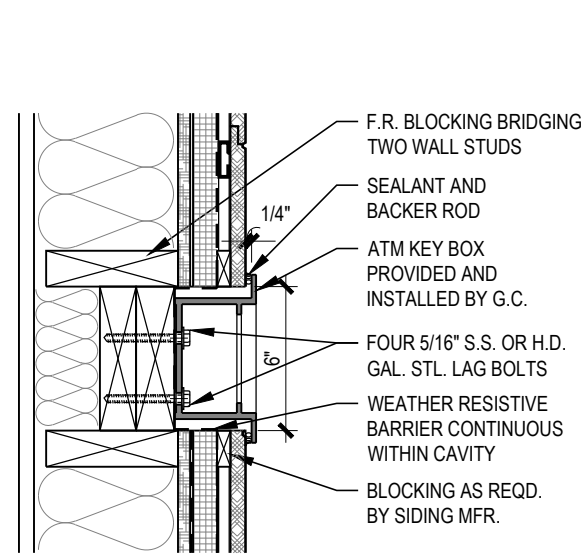
**PROJECT INFORMATION**  
PROJECT NO: JPM.27135.001  
DATE: 2020.12.21  
**PROTOTYPE: 20.2**  
DRAWN BY: C.THEBEAU  
CHECKED BY: B.LASURS  
VERSION: SE.1.00

SHEET TITLE

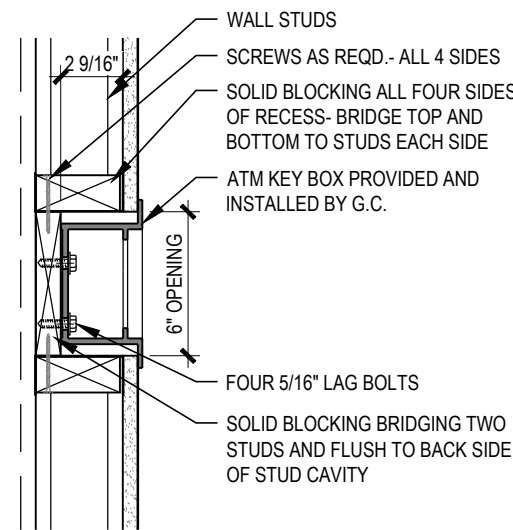
**DETAILS:**  
ATM

SHEET NUMBER

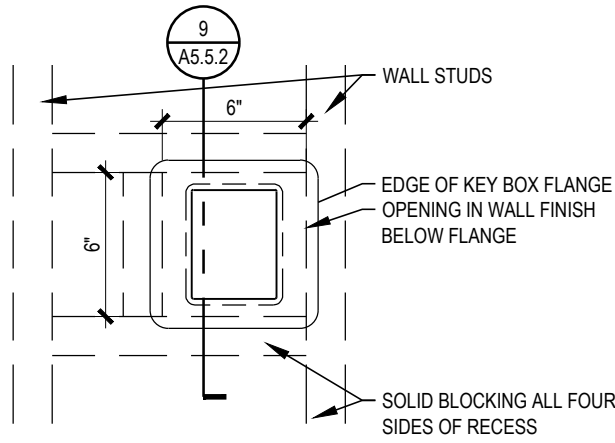
**A5.5.2**



EXTERIOR PARTITION



INTERIOR PARTITION



ATM KEY BOX-  
ELEVATION

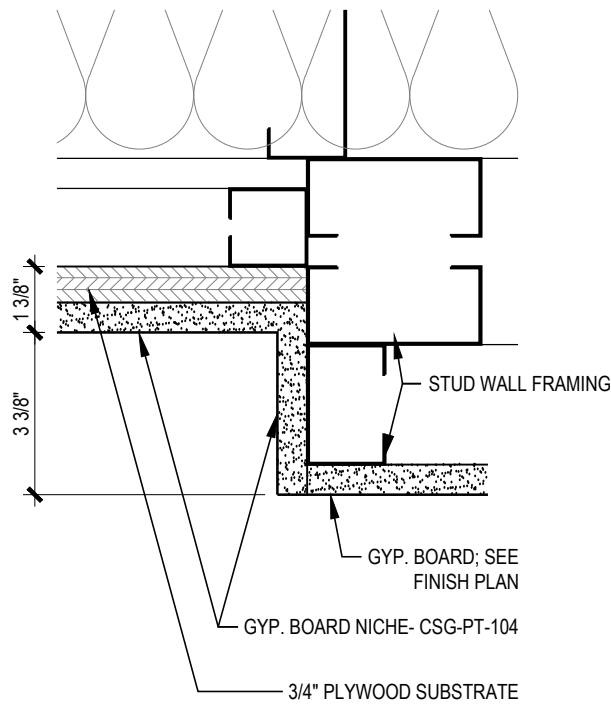
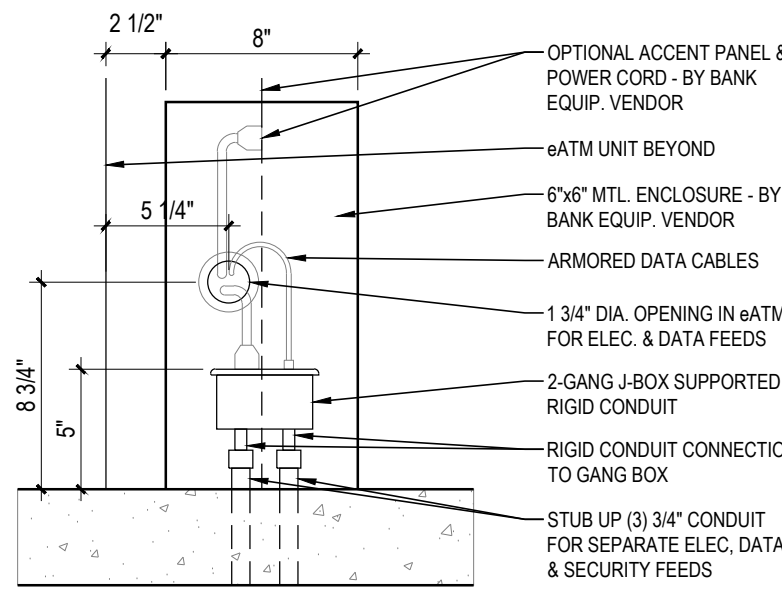
9  
A5.5.2

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

ATM KEY BOX-  
SECTION

9  
A5.5.2

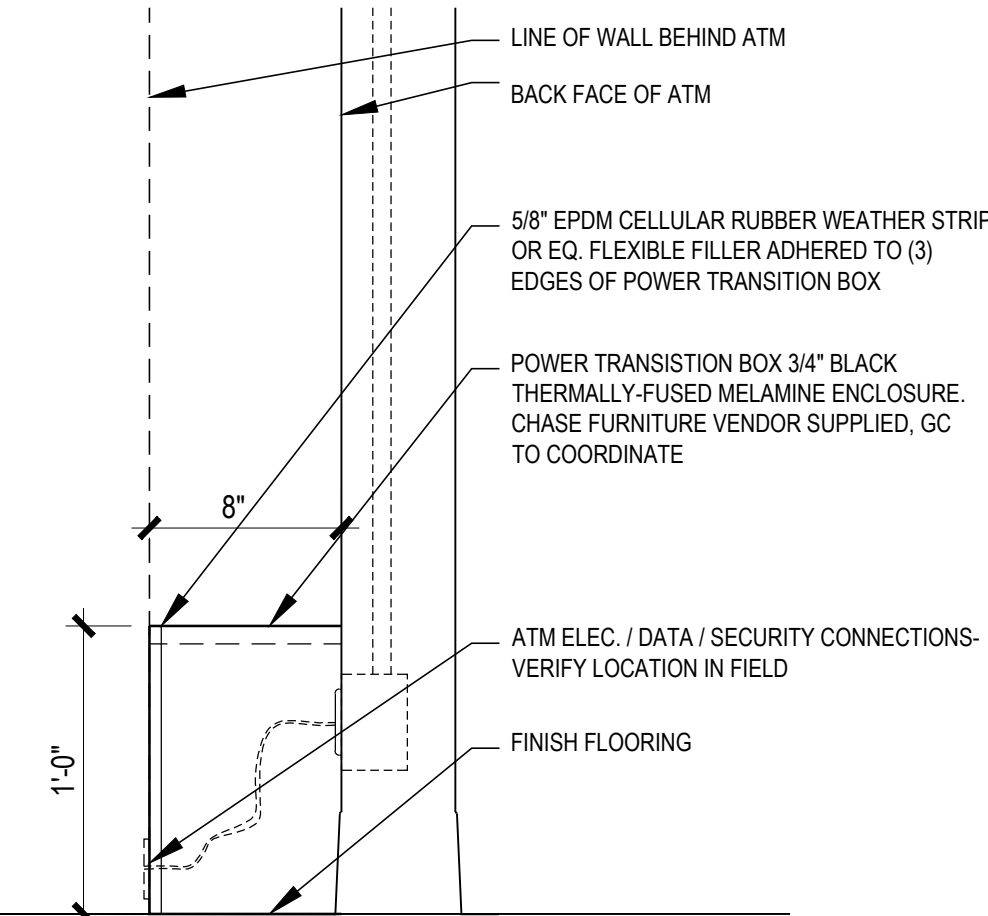
1-1/2" = 1'-0"



SCREEN NICHE

10  
A5.5.2

3" = 1'-0"



MILLWORK  
POWER TRANSITION BOX

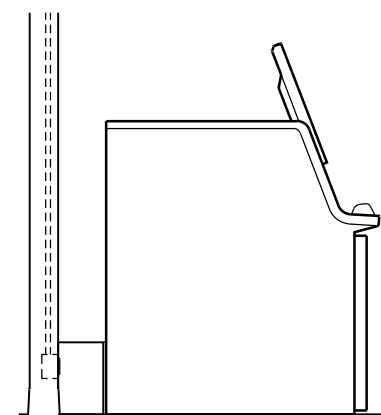
7  
A5.5.2

1 1/2" = 1'-0"

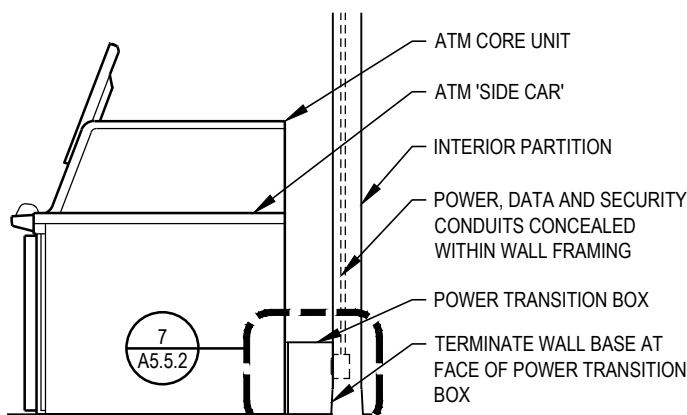
FREESTANDING eATM - ELEC./DATA/  
SECURITY ROUGH-INS (VERT.)

6  
A5.5.2

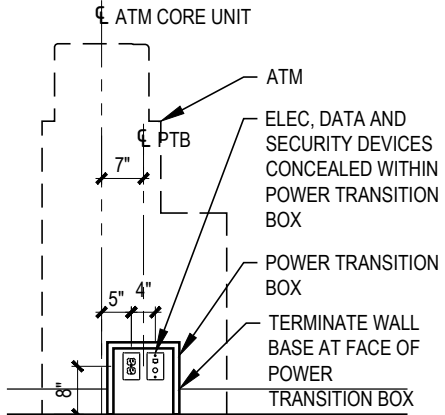
1 1/2" = 1'-0"



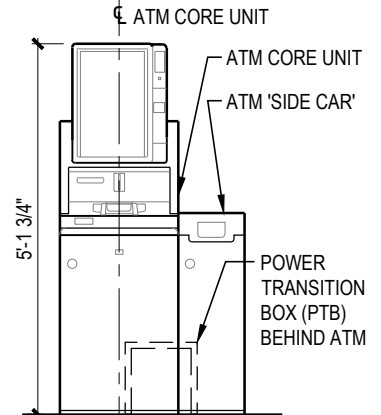
LEFT SIDE



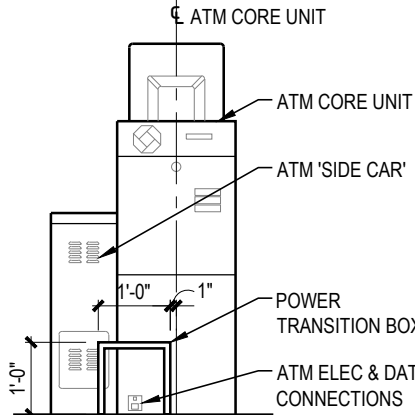
RIGHT SIDE



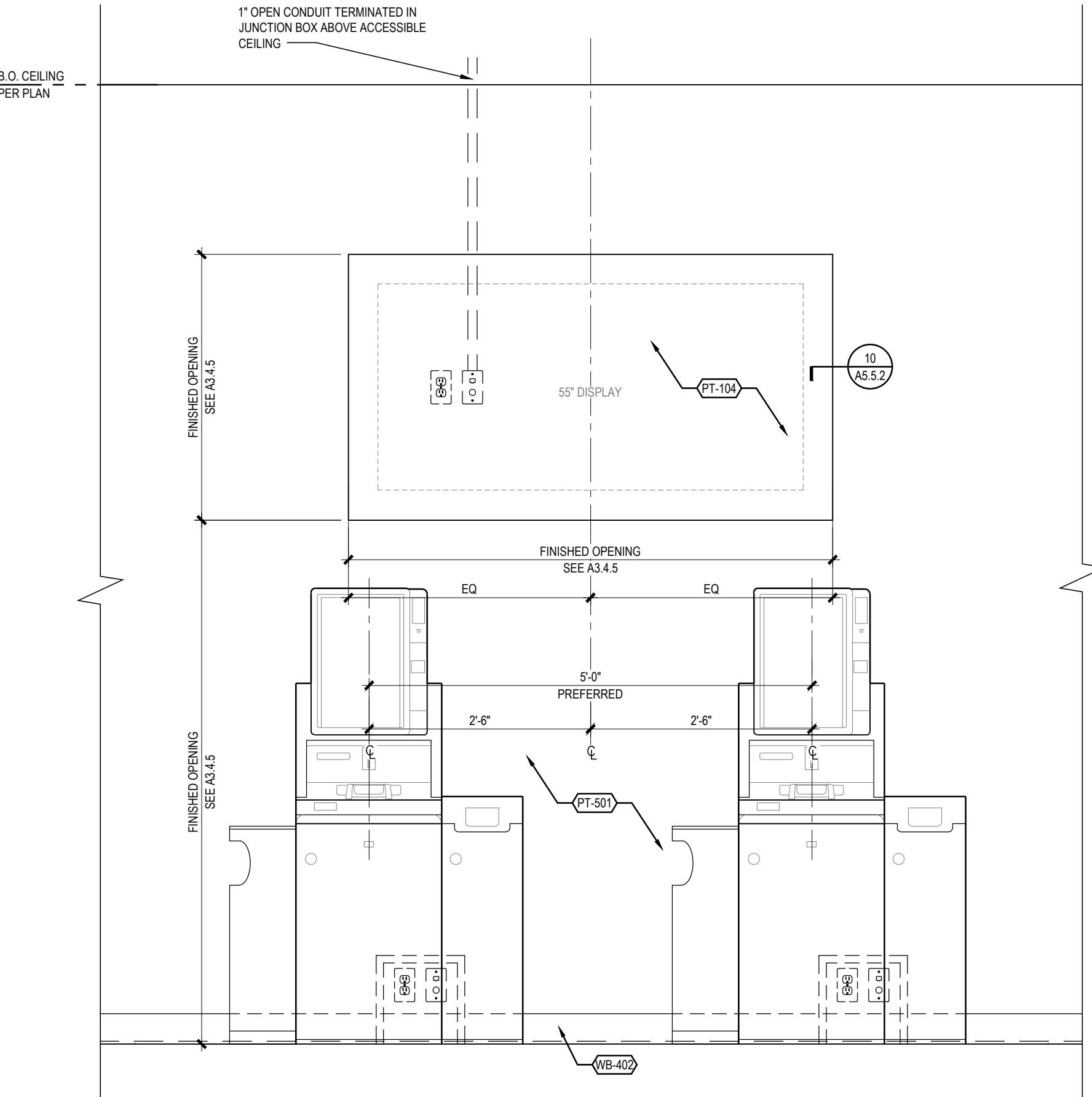
WALL



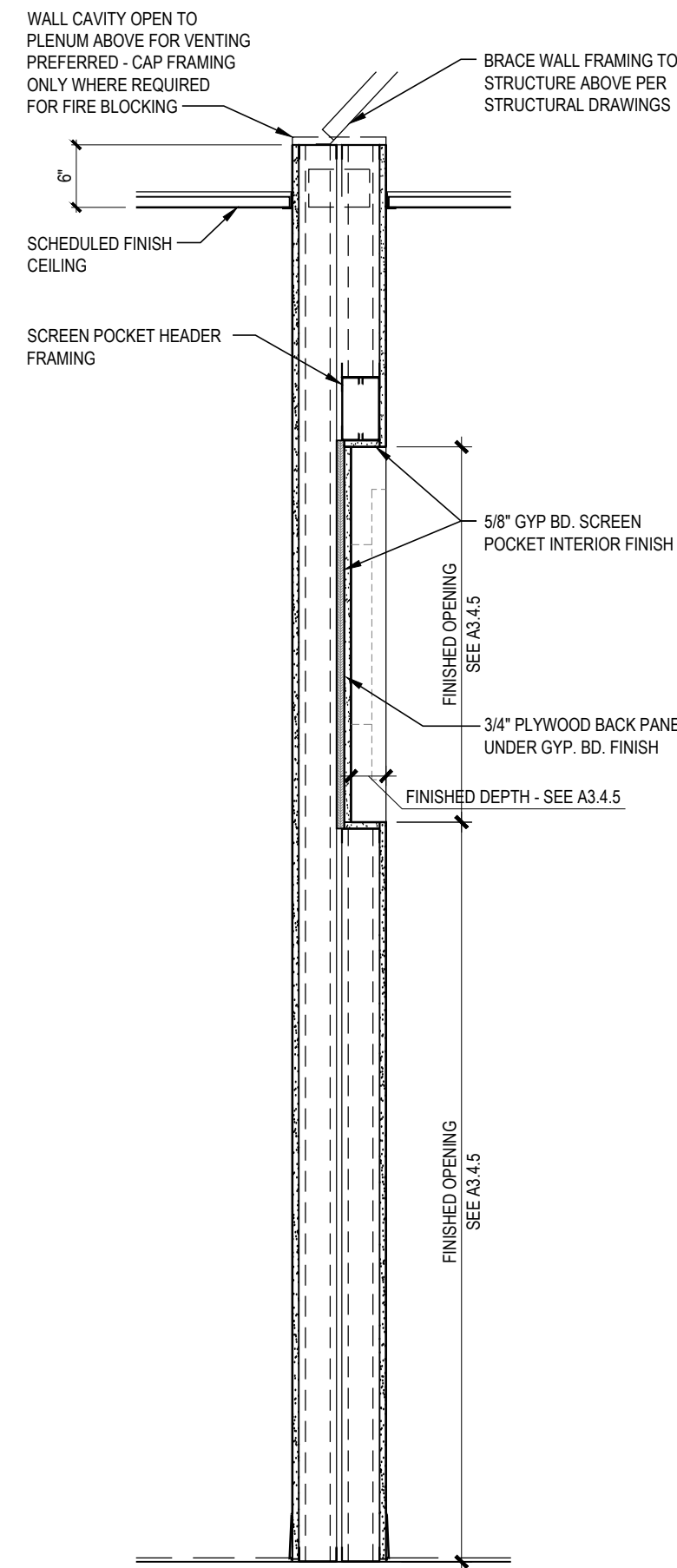
FRONT



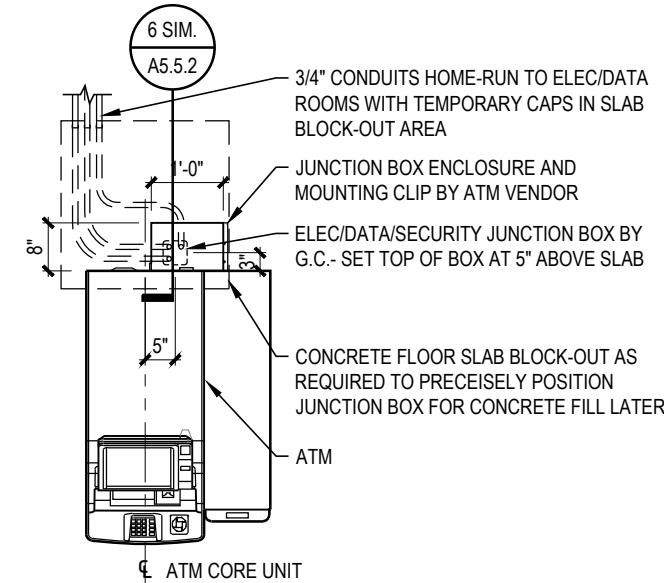
BACK



ELEVATION



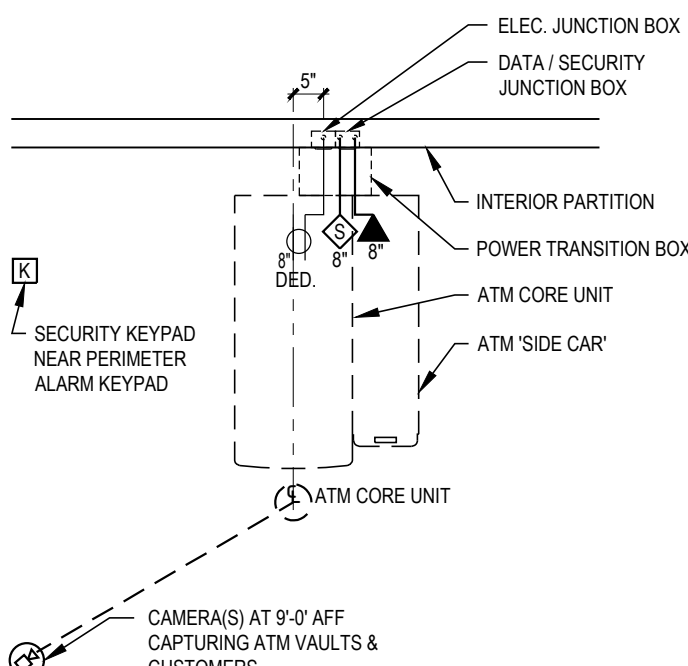
SECTION



ATM v3.0  
FREESTANDING PLAN

4  
A5.5.2

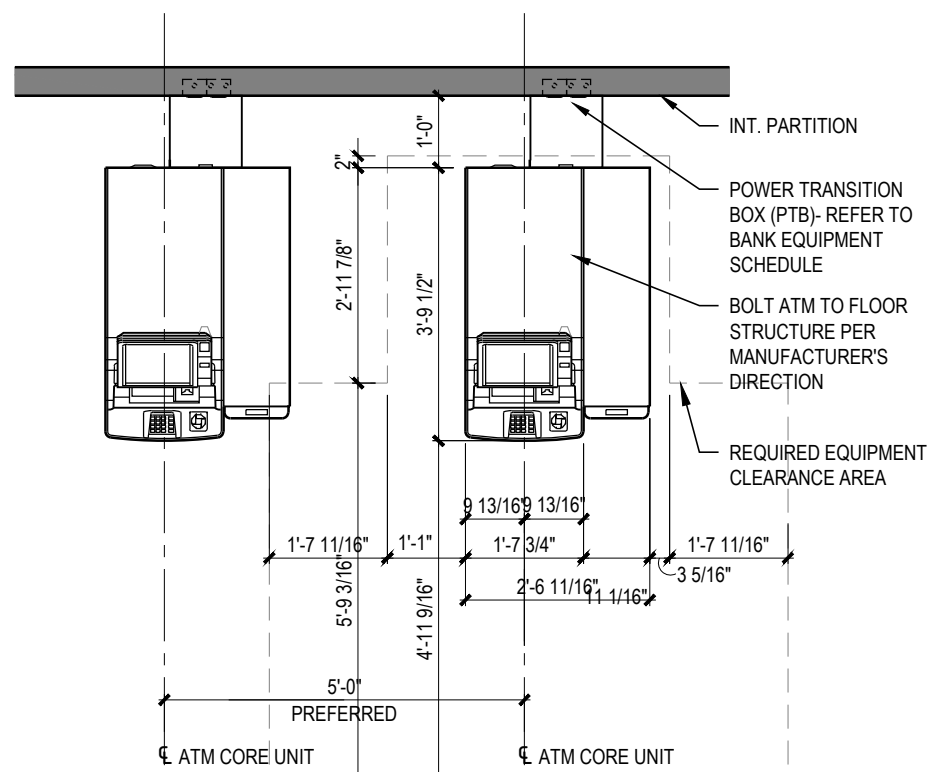
3/8" = 1'-0"



ATM v3.0  
ELEC./DATA/SEC. PLAN

3  
A5.5.2

3/8" = 1'-0"



ATM v3.0  
FLOOR PLAN

2  
A5.5.2

3/8" = 1'-0"

1  
A5.5.2

SOLUTION #1-55" DISPLAY AT eATMS V3.0

3/4" = 1'-0"



ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE.1.00	

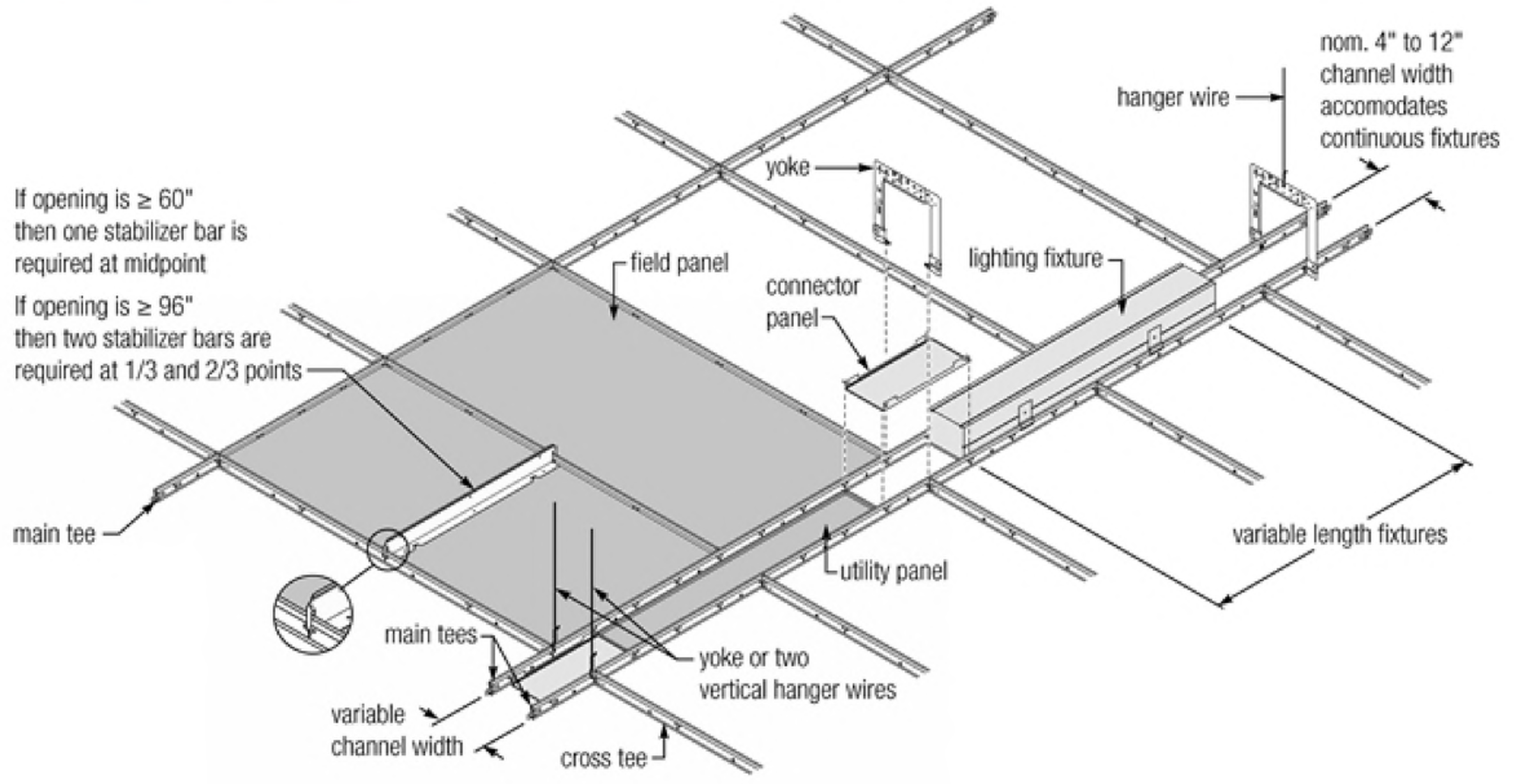
SHEET TITLE

DETAILS: CEILING  
SEISMIC DESIGN 'B'

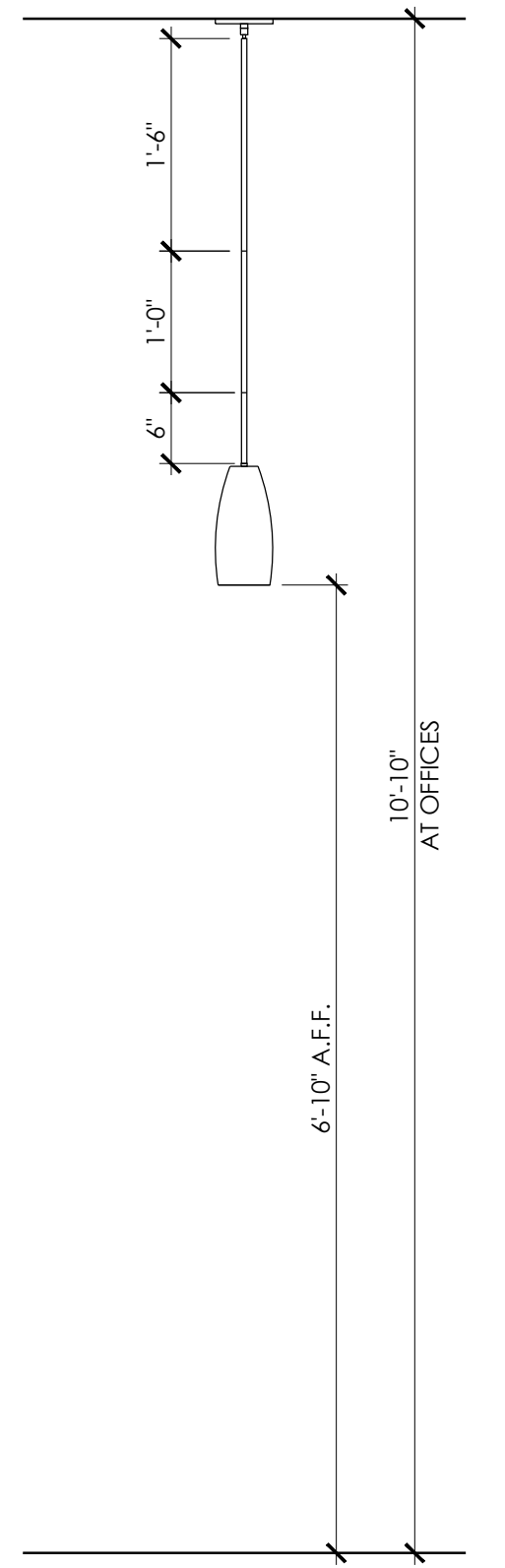
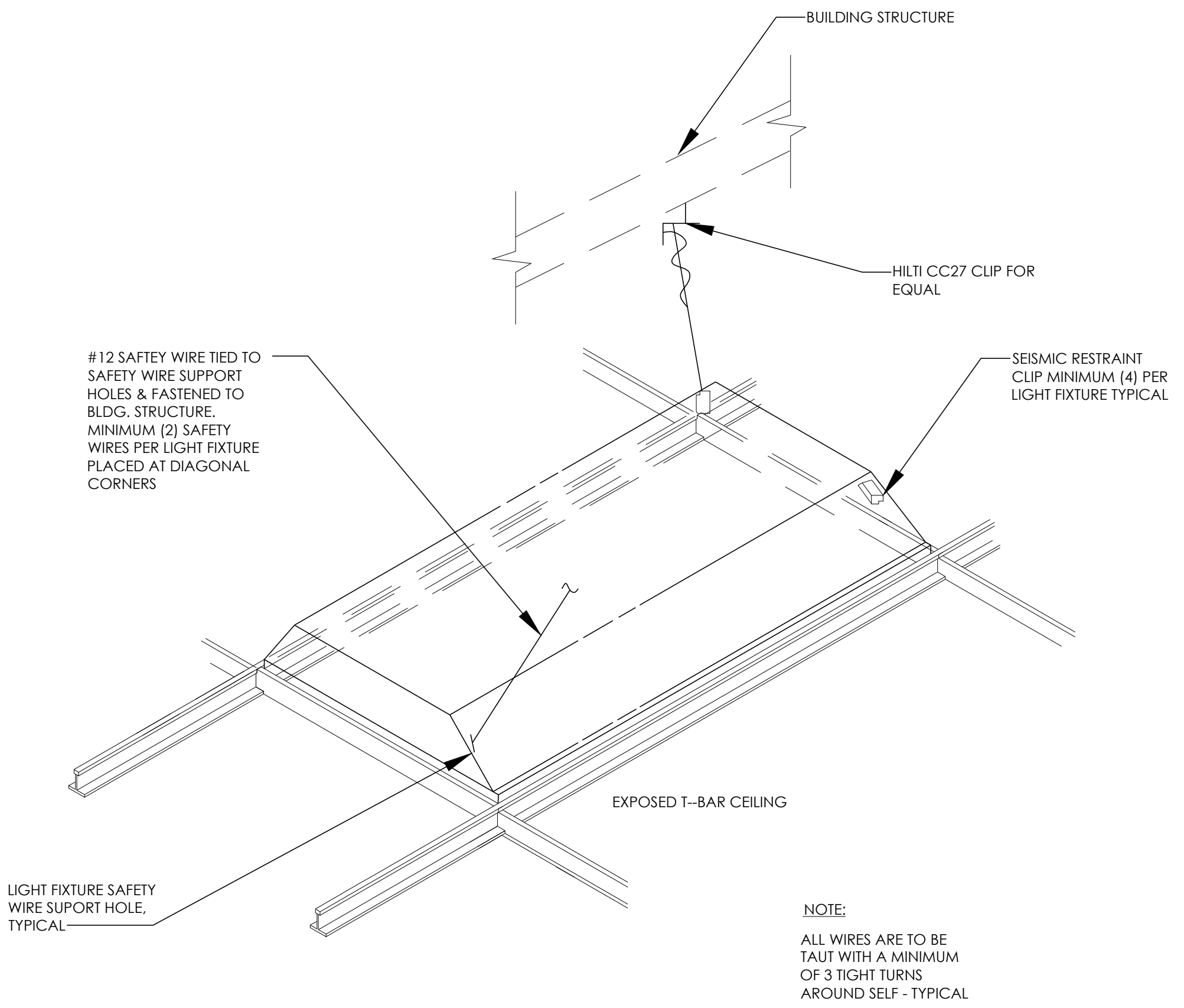
SHEET NUMBER

A5.5.4

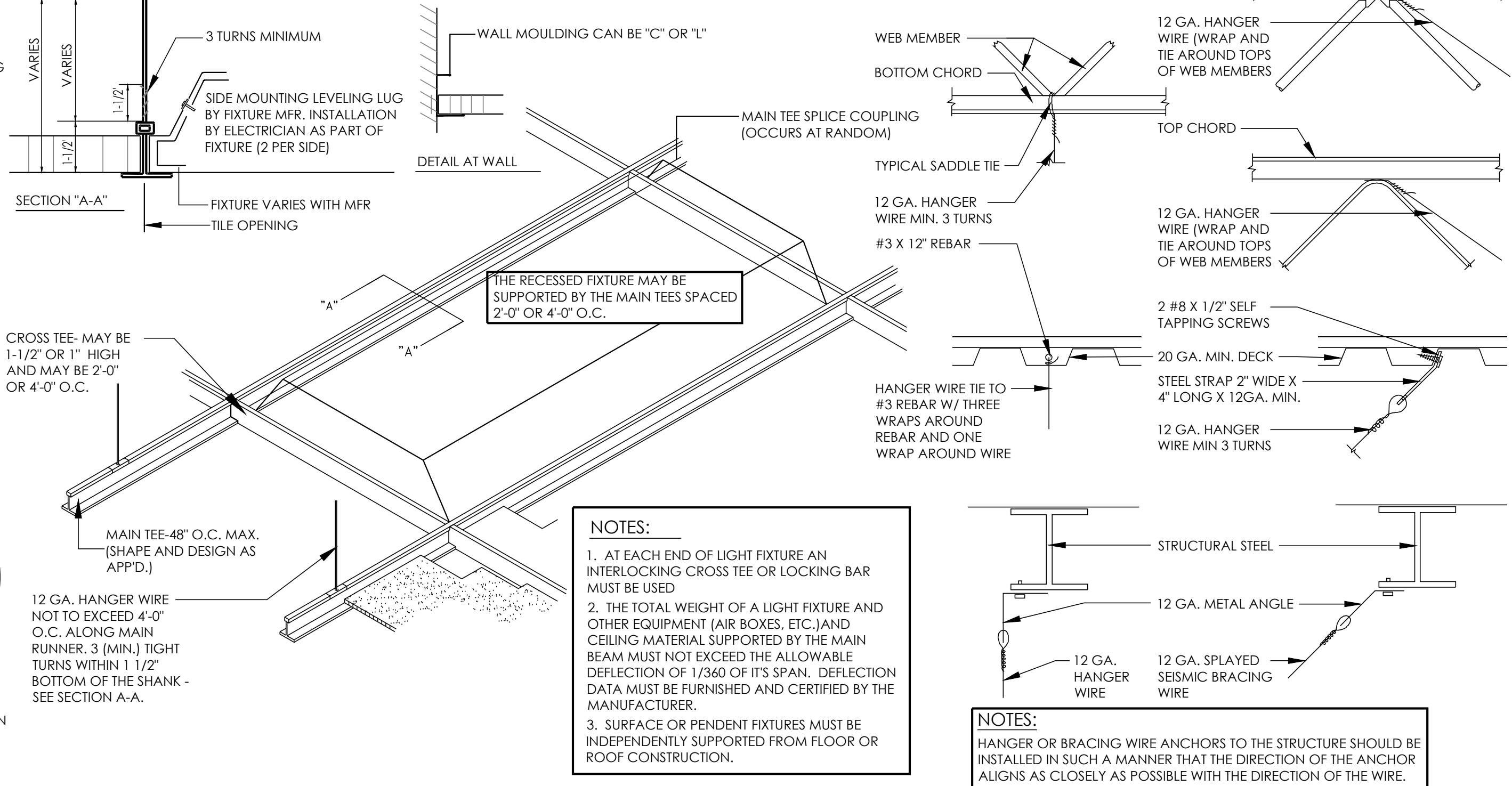
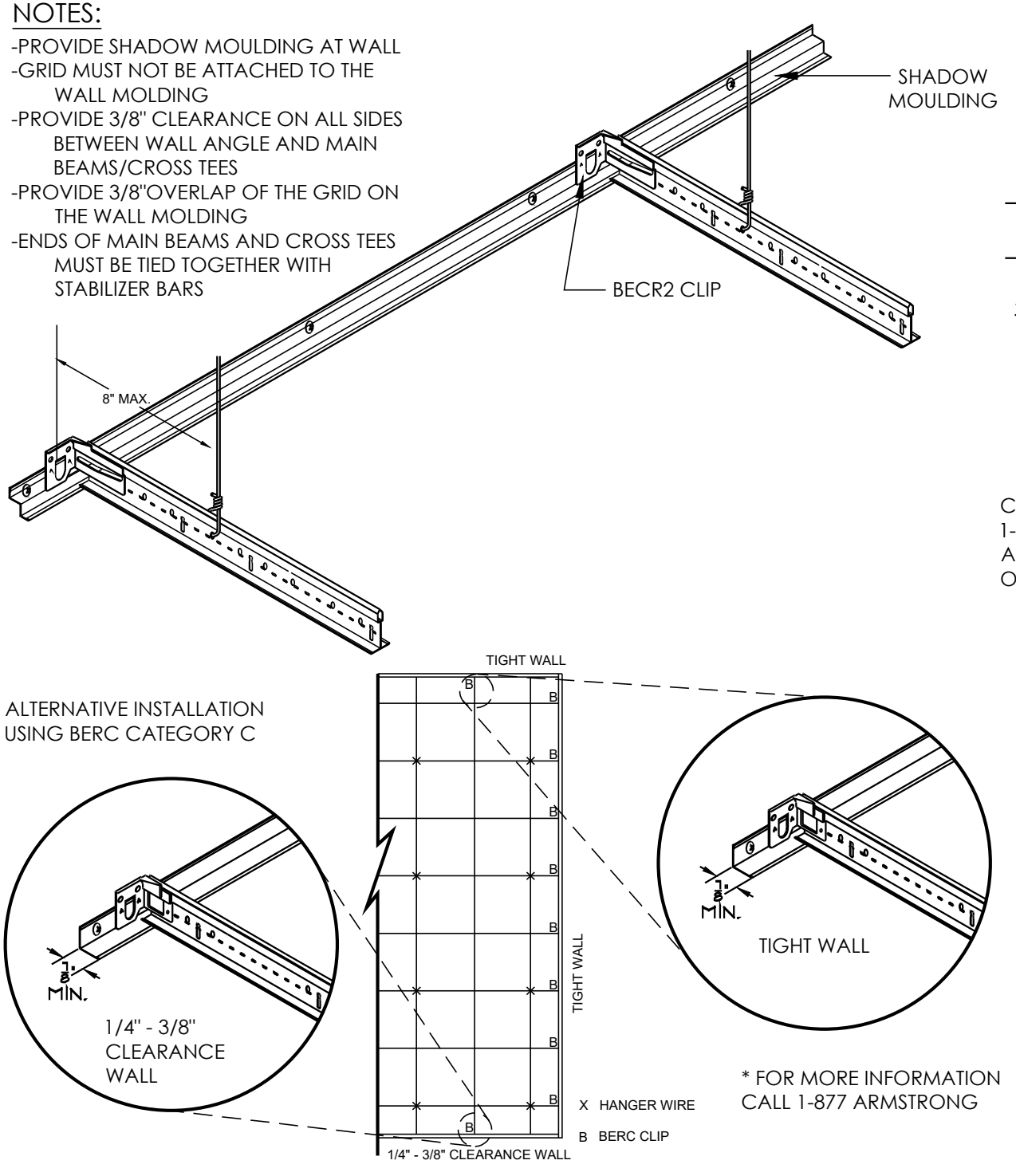
### Utility Channel Created with Main Tees



3  
A5.5.4  
LIGHT FIXTURE DETAIL  
1/4" = 1'-0"

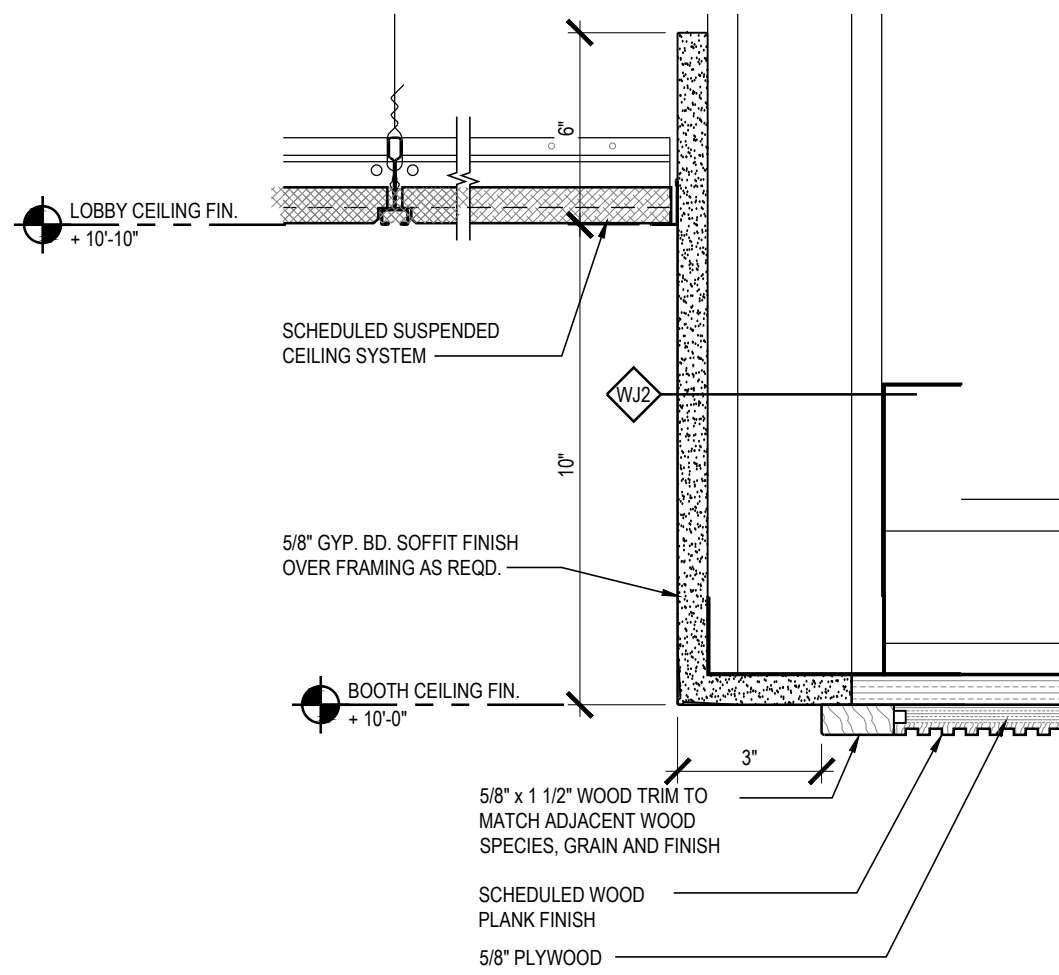


2  
A5.5.4  
OFFICE PENDANT LIGHT DETAIL  
3/4" = 1'-0"

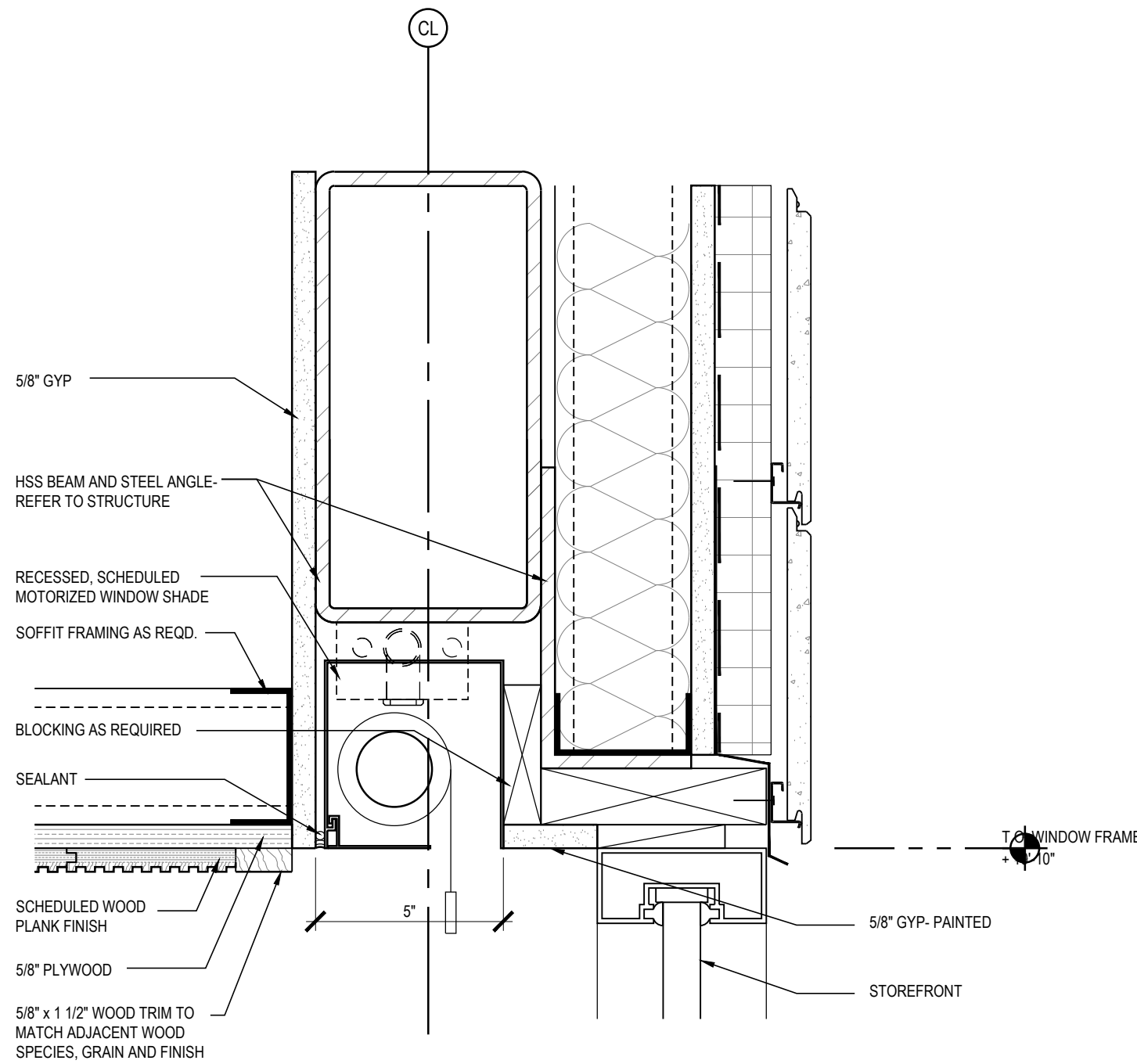


1  
A5.5.4  
CEILING GRID - SEISMIC 'B' DETAILS  
1/4" = 1'-0"

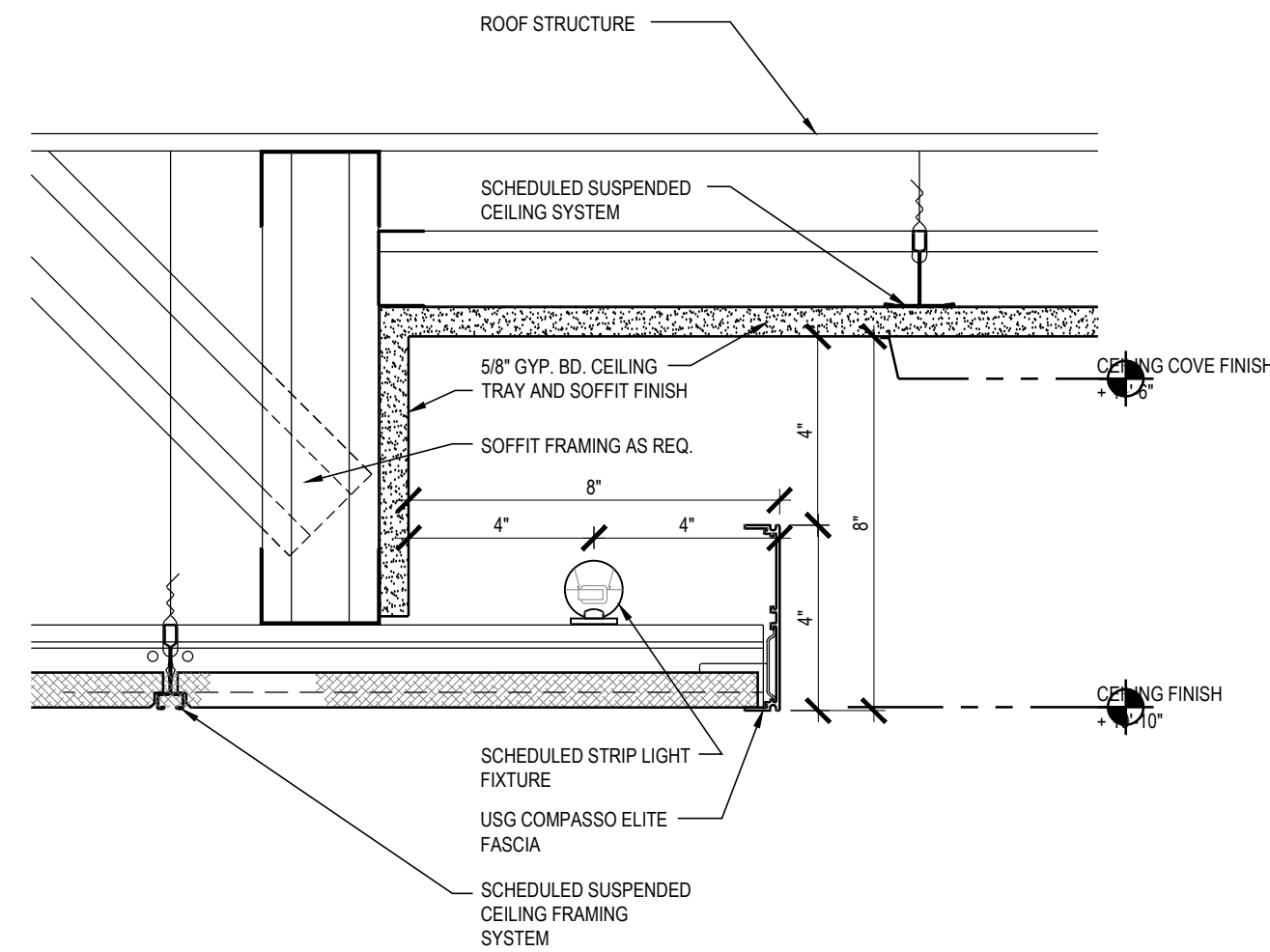




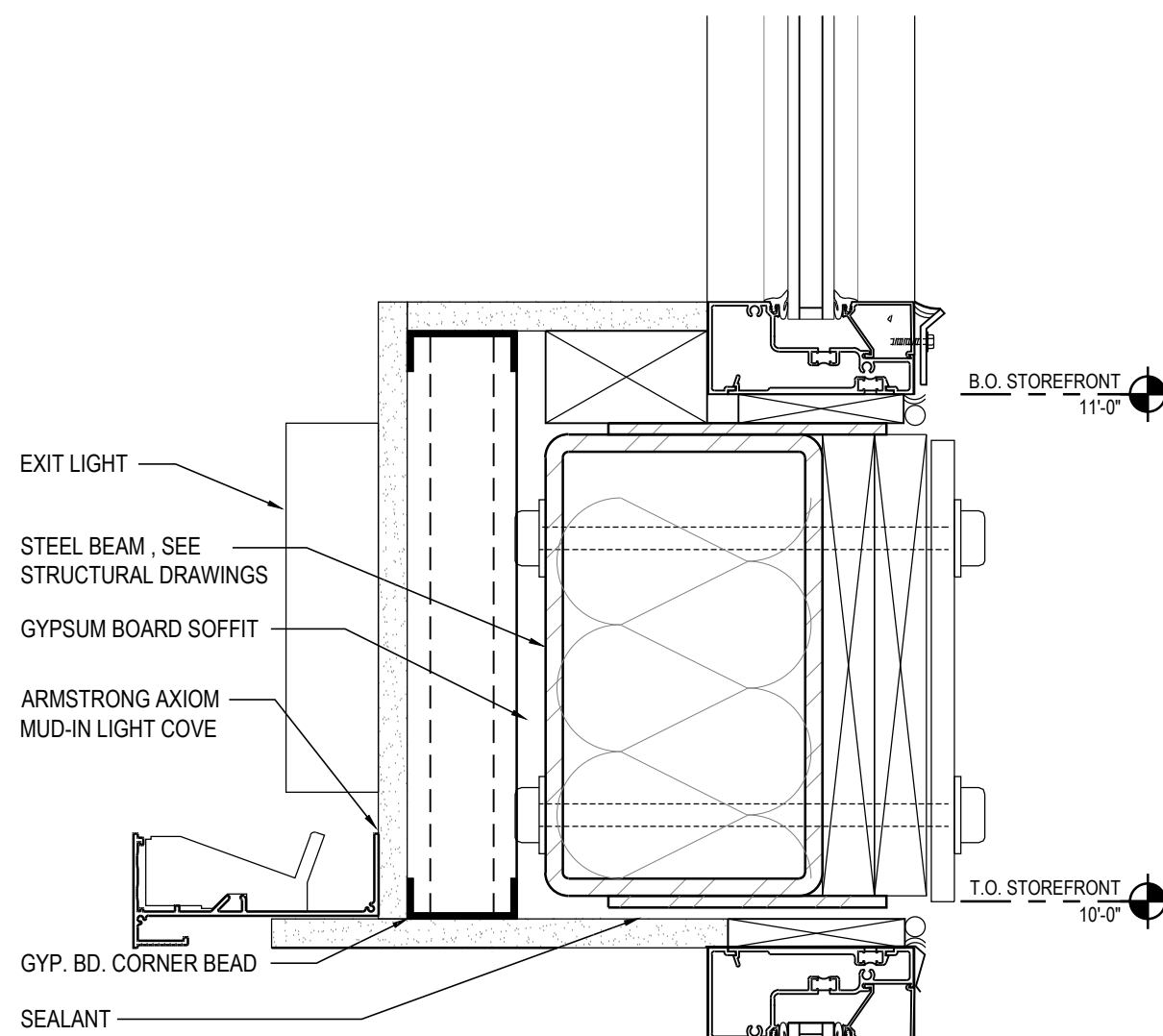
6  
A5.5.5  
BOOTH SOFFIT  
3" = 1'-0"



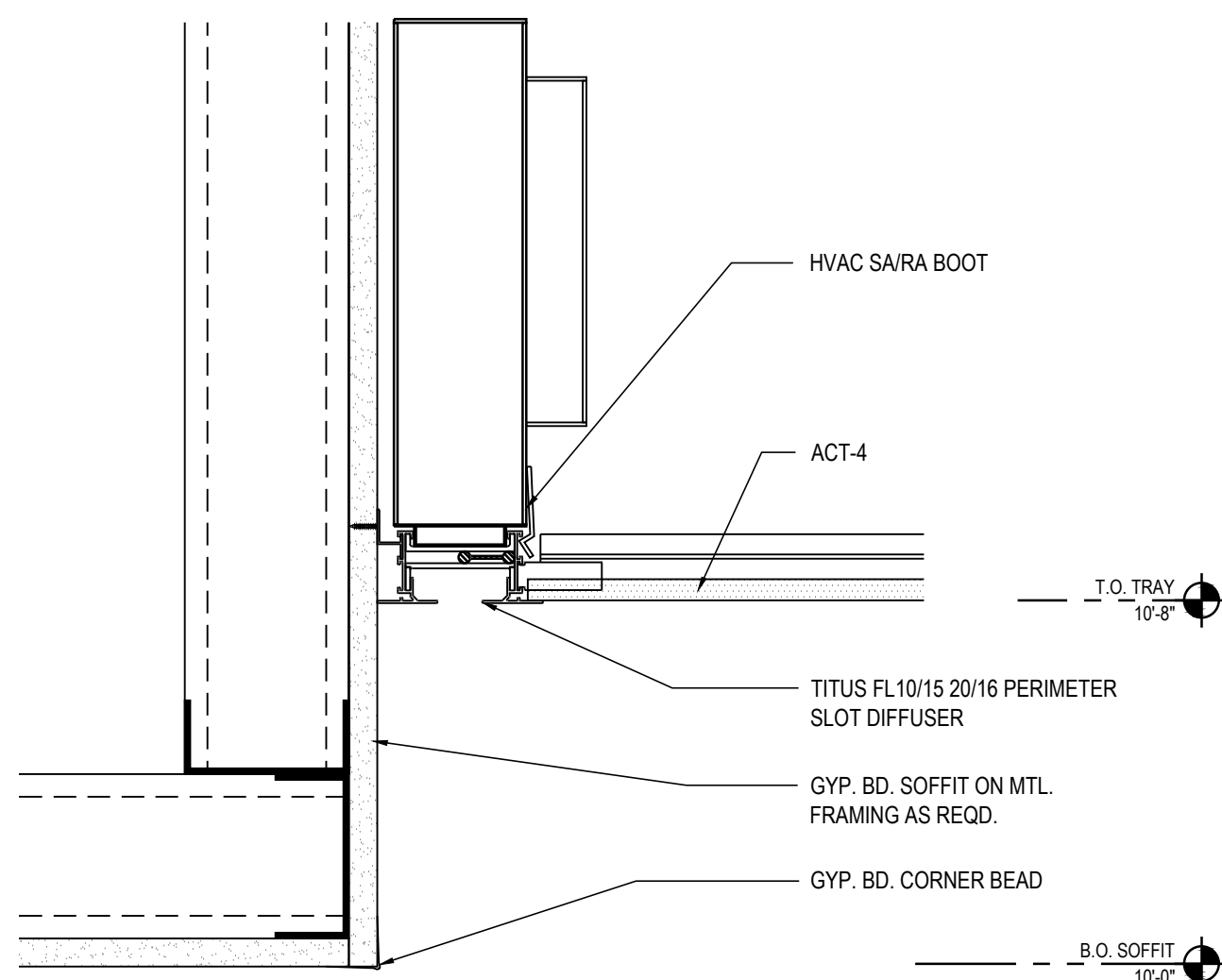
5  
A5.5.5  
BOOTH SHADE POCKET  
3" = 1'-0"



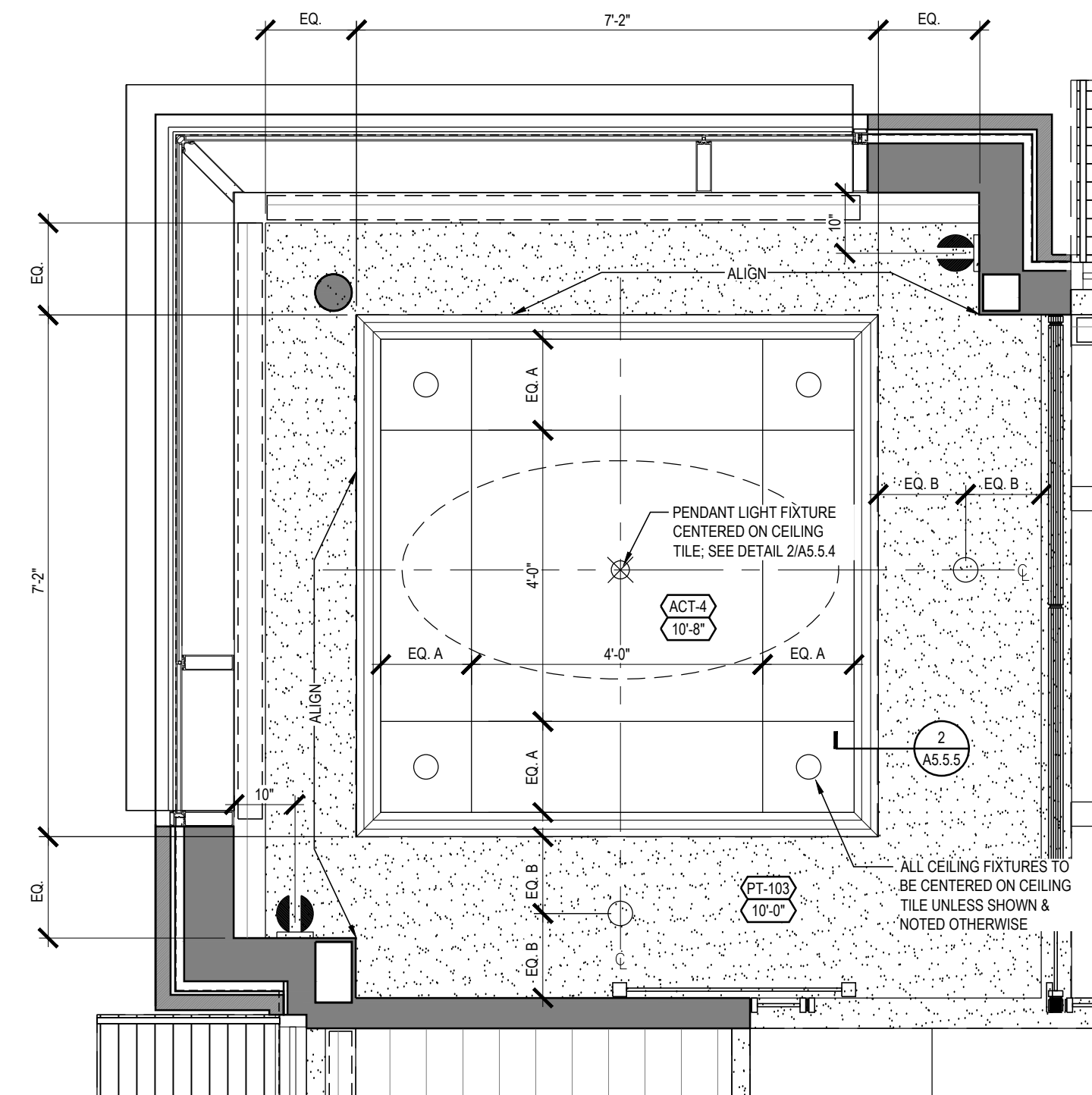
4  
A5.5.5  
LOBBY COVE CEILING TRANSITION AT DRT  
3" = 1'-0"



3  
A5.5.5  
VESTIBULE LIGHT COVE  
3" = 1'-0"



2  
A5.5.5  
CEILING TRAY TRANSITION IN CONFERENCE ROOM  
3" = 1'-0"



1  
A5.5.5  
CONFERENCE ROOM CEILING PLAN DETAIL  
1/2" = 1'-0"

RELEASE FOR  
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LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

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ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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-	2020.12.21	PERMIT SET

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE 1.00	

SHEET TITLE

DETAILS: CEILING

SHEET NUMBER

A5.5.5



CUSTOM CABINET NOTES	
SUBMIT SHOP DRAWINGS AND MATERIALS TO ARCHITECT OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION	
REFER TO INTERIOR FINISH MATERIALS SCHEDULE FOR LAMINATE SPECIFICATIONS	
MIL-1	CABINET TOP / BOTTOM / SIDE PANEL: 3/4" PLASTIC LAMINATE MDF ALL EXPOSED SURFACES - INTERIOR SURFACES WHITE MELAMINE
MIL-2	CABINET DOOR: 3/4" PLASTIC LAMINATE MDF ALL 6 FACES
MIL-3	ADJUSTABLE SHELF: 3/4" PLASTIC LAMINATE MDF ALL 6 FACES - PROVIDE FOUR 5MM NICKEL-PLATED SPOON-SHAPED PINS EACH SHELF-DRILL 5MM HOLES IN CABINET SIDE PANELS AS NOTED
MIL-4	CABINET BACK: 1/4" PLASTIC LAMINATE MDF EXPOSED FACE
MIL-5	SURFACE-MOUNT ELECTRICAL / DATA RACEWAY
MIL-6	WIRE PULL
MIL-7	LIGHT VALENCE: 3/4" PLASTIC LAMINATE MDF EXPOSED FACES
MIL-8	CONTINUOUS WOOD CLEAT: SIZE AS REQUIRED-PAINT TO MATCH ADJACENT WALL SURFACE
MIL-9	WOOD BLOCKING AS REQUIRED
MIL-10	COUNTER TOP: REFER TO INTERIOR FINISH MATERIALS SCHEDULE
MIL-11	COUNTER SPLASH: MATCH COUNTER TOP MATERIAL
MIL-12	COUNTER APRON: MATCH COUNTER TOP MATERIAL
MIL-13	DRAWER BACK / SIDE / SUB-FRONT: 1/2" WHITE MELAMINE MDF
MIL-14	DRAWER BOTTOM: 1/4" WHITE MELAMINE MDF
MIL-15	DRAWER SLIDE: FULL-EXTENSION BALL-BEARING
MIL-16	COUNTER EDGE SUPPORT: CONT. STEEL ANGLE BOLTED TO SOLID WOOD BLOCKING CONCEALED WITHIN WALLS- RE-PRIME FOLLOWING INSTALLATION
MIL-17	SCHEDULED LIGHT FIXTURE
MIL-18	TOE-KICK: 1/2" MINIMUM PLASTIC LAMINATE MDF- COLOR AND PATTERN TO MATCH CABINET PANELS
MIL-19	ELECTRICAL / DATA ROUGH-IN AND COVER PLATE
MIL-20	SINK APRON: 3/4" PLASTIC LAMINATE MDF
MIL-21	COUNTER EQUIPMENT SUPPORT: 1 1/2" x 1 1/2" x 1/4" STEEL ANGLE BOLTED TO CABINET BACK, SIDES AND APRON - PRIME AND PAINT TO MATCH CABINET COLOR
MIL-22	GROMMET: MOCKET #BRKIT 12" BLACK LINEAR BRUSH GROMMET
MIL-23	GROMMET: MOCKET #BG 1 1/2" ROUND BLACK PLASTIC GROMMET
MIL-24	COUNTER SUPPORT: 3/4" THICK PLASTIC LAMINATE MDF PANEL MATCHING COUNTER DEPTH- QUANTITY AND POSITIONS AS REQUIRED TO ENSURE MAX. COUNTER DEFLECTION OF L/768 (1/8" OVER 8')
MIL-25	CABINET TOP / BOTTOM / SIDE / DOOR PANEL: 3/4" PLASTIC LAMINATE MDF ALL SURFACES EXPOSED TO VIEW, INCLUDING INTERIOR- REFER TO INTERIOR FINISH SCHEDULE FOR LAMINATE SPECIFICATION
MIL-26	SOLID SURFACE COUNTER: 2" BUILT-UP FRONT EDGES, OPENINGS, AND VERTICAL PANELS, ALL CONTACT EDGES EASED- REFER TO INTERIOR FINISH SCHEDULE FOR MATERIAL SPECIFICATION
MIL-27	REFUSE CAN TRAY, 36-QT PLASTIC CAN, AND DRAWER GLIDES ATTACHED TO CABINET BOTTOM AND DRAWER PANELS
MIL-28	OPEN COUNTER SUPPORT BRACKET: CENTERLINE BRACKETS #CSA-004-20, COLOR WHITE- 24" MAX. O.C.- CUT MINIMAL OPENING IN WALL FINISH AS REQD, LAG-SCREW TO WALL STUDS OR BLOCKING- PATCH WALL FINISH OPENING
MIL-29	ELECTRICAL / DATA OUTLETS: COORD. WITH ELECTRICIAN TO PROVIDE MUD RING OF SUFFICIENT DEPTH TO REACH CABINET BACK- INSTALL OVER PLATES OVER CABINET BACK
MIL-30	CONTINUOUS COUNTER UNDERLAYMENT: 3/4" PLYWOOD- PROVIDE WHITE PLASTIC LAMINATE FACE AT UNDERSIDE OF OPEN COUNTER SECTIONS
MIL-31	STOP: 1/2" x 3/4" EASED-EDGE PAINT GRADE-WOOD
MIL-32	CABINET PULL: AMEROCK #BP55364G10 'RIVA' IN SATIN NICKEL, 3" CTC
MIL-33	HARDWOOD FIN: 1" x 3 1/2" AND 2" x 9 1/4" SOLID AND VENEER NATURAL RED OAK FOR STAIN AND CLEAR FINISH- REFER TO FINISH MATERIALS SCHEDULE- MITER CORNERS OF ASSEMBLIES TO CONCEAL JOINTS
MIL-34	PAINTED CABINET BACK: 1/2" MDF FOR PAINT FINISH- REFER TO FINISH MATERIAL SHEDULE FOR PAINT SPECIFICATIONS
MIL-35	FIN PLINTH: SOLID RED OAK FOR STAIN AND CLEAR FINISH PER MATERIALS FINISH SCHEDULE- APPLY FACE BOARD WITH MINIMAL FINISH NAILS TO FACILITATE REPLACEMENT
MIL-36	SACRIFICIAL BASE: 1/2" x 4" SOLID RED OAK FOR STAIN AND CLEAR FINISH- APPLY WITH MINIMAL FINISH NAILS TO FACILITATE REPLACEMENT
MIL-37	REFUSE OPENING: 4" DIAM. HOLE WITH 2" BUILT-UP EASED EDGE
MIL-38	FACE-FRAME CABINET SIDE PANEL: EXTENDED 3/4" PLASTIC LAMINATE MDF CABINET SIDE PANEL AND FACE ALIGNED WITH HARDWOOD FIN ABOVE
MIL-39	FIXED DRAWER SHELF: PLASTIC LAMINATE

RELEASE FOR  
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AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
4000 Chipewawa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908  
CORESTATES, INC.

ARCHITECT OF RECORD

STATE OF MISSOURI  
ROBERT BRUCE LASURS  
JANUARY 08, 2021  
NUMBER A-7504  
ARCHITECT  
ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

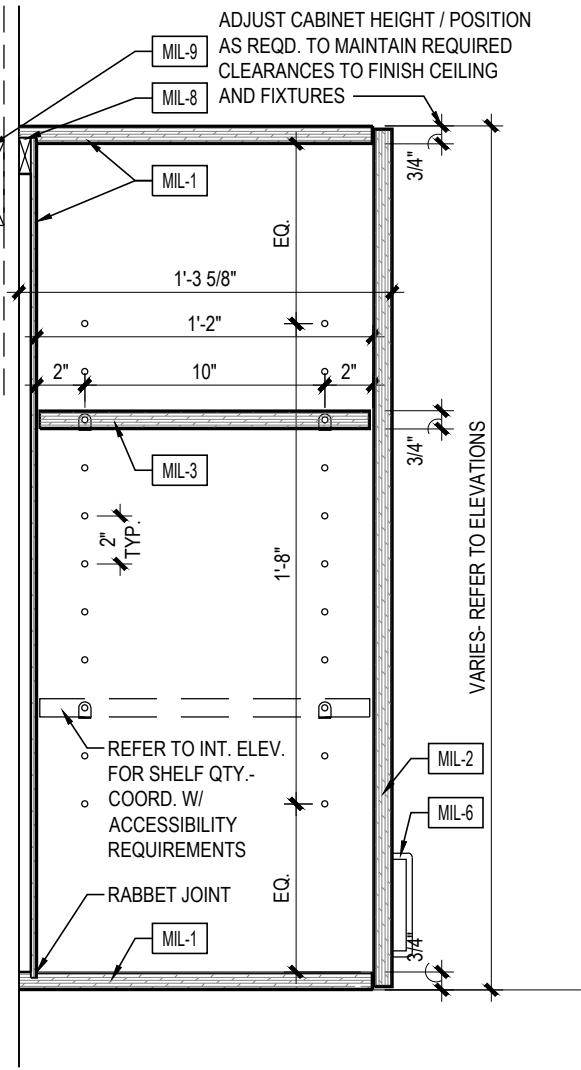
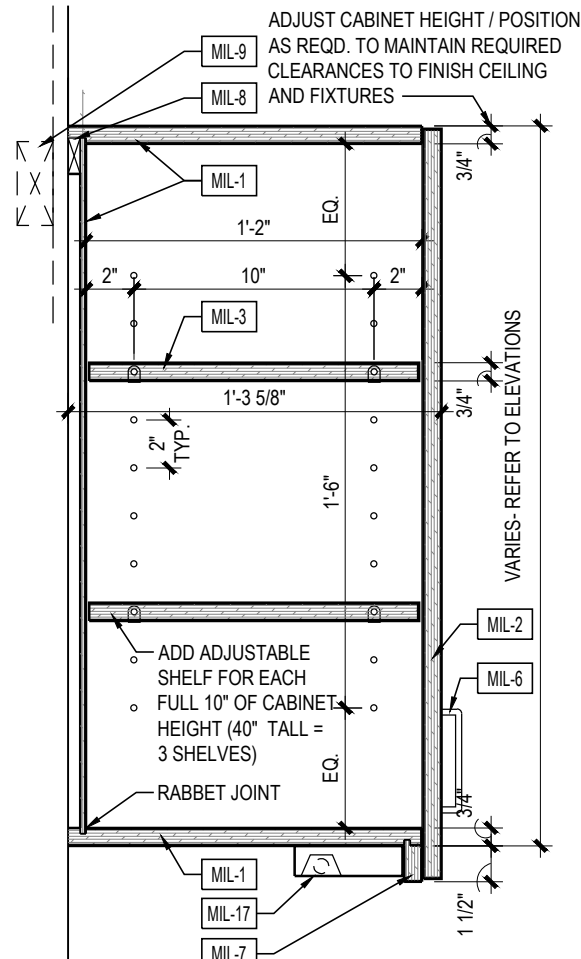
PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

DETAILS:  
CABINETRY

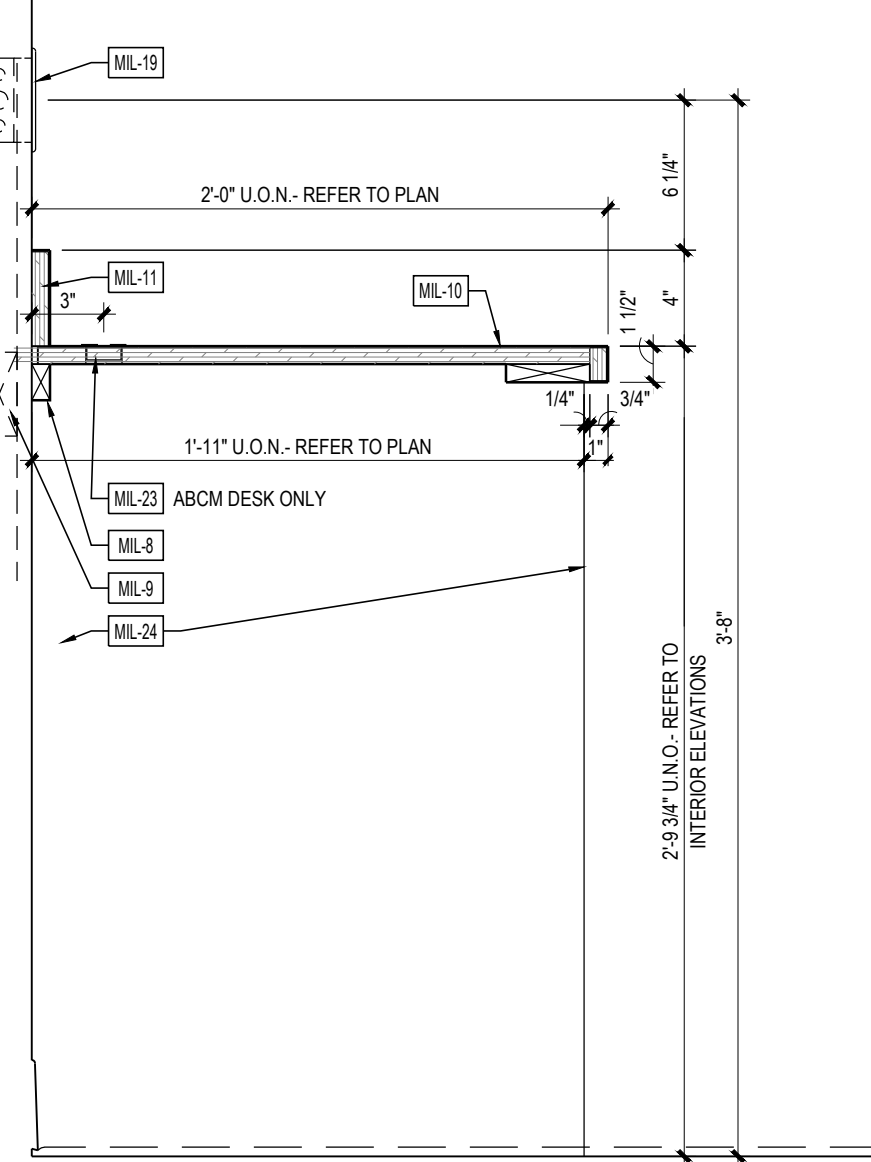
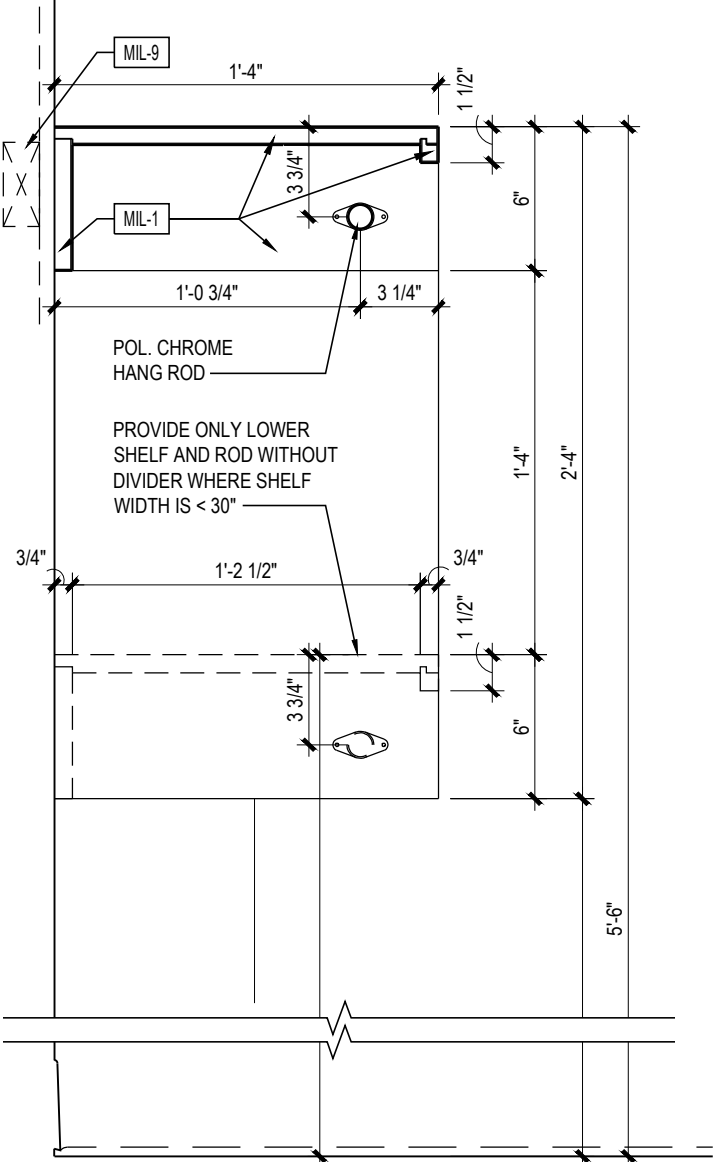
SHEET NUMBER

A5.6.1



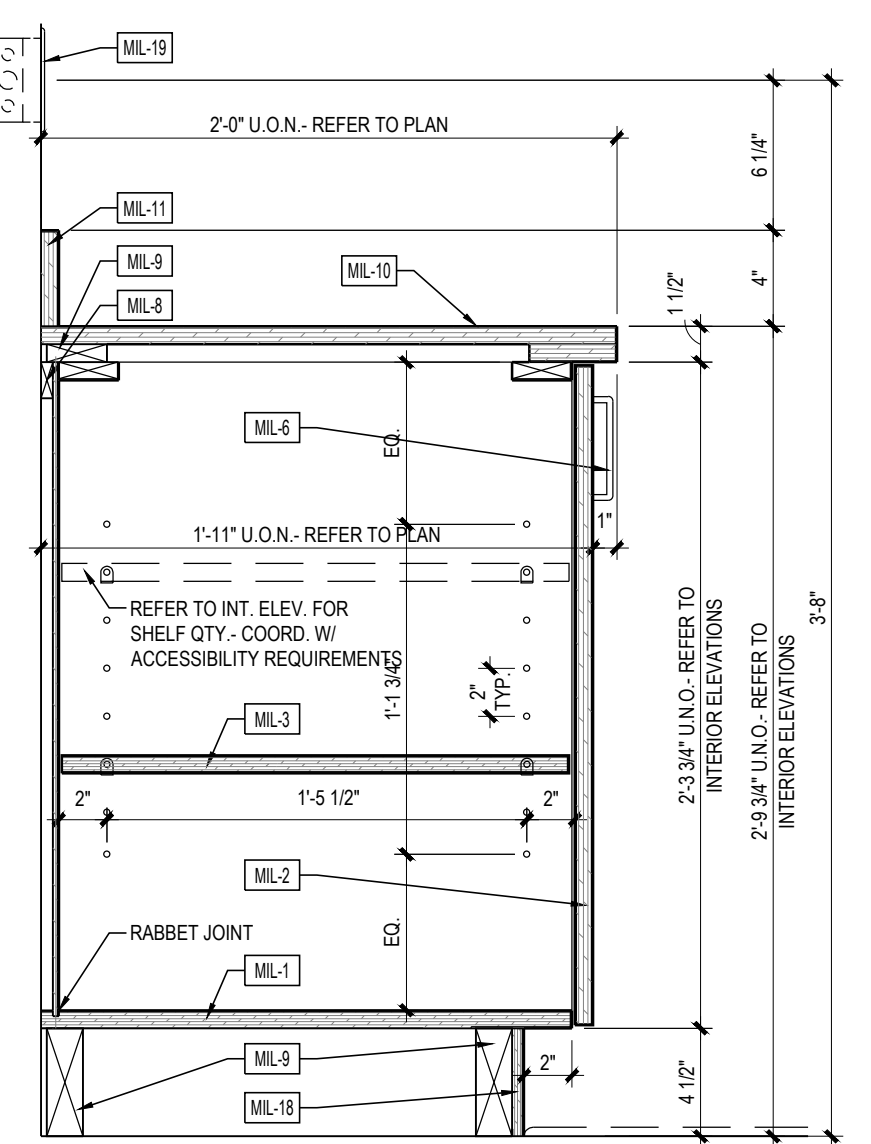
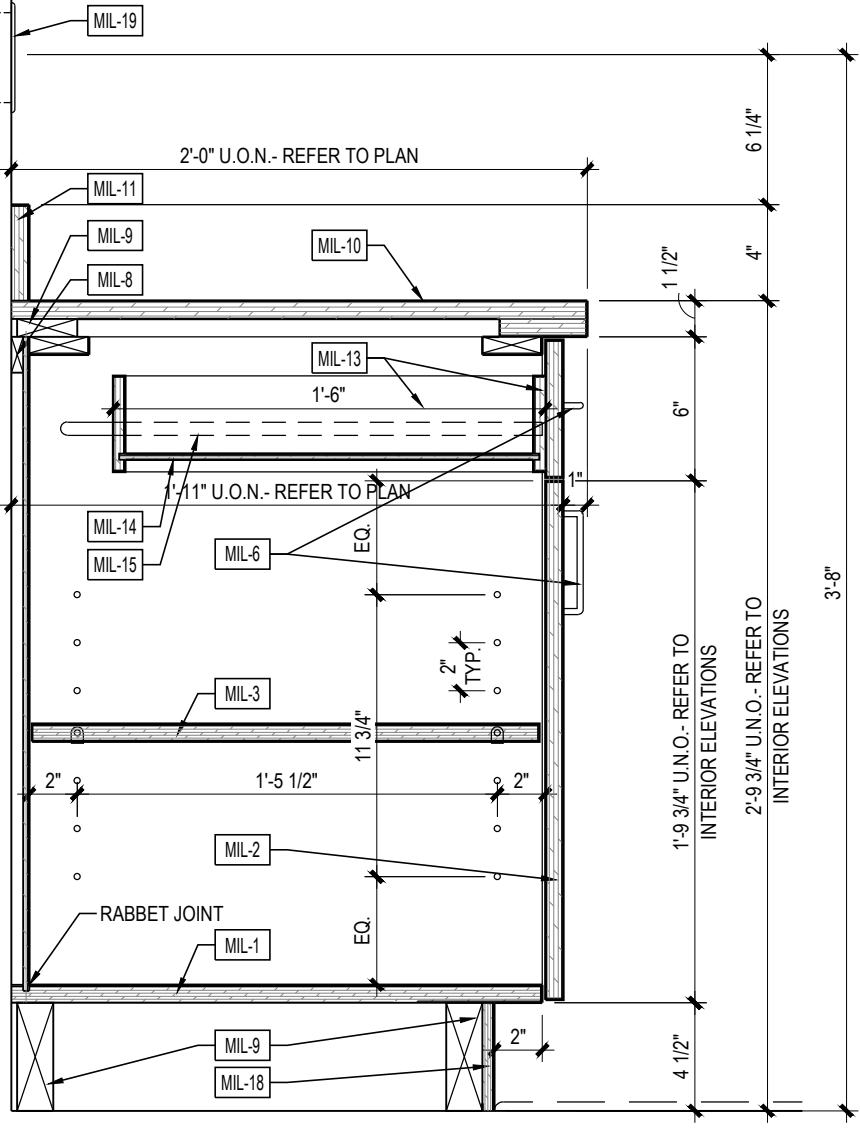
9 WALL CABINET W/ DOORS & LIGHT FIXTURE  
A5.6.1 1 1/2" = 1'-0"

8 WALL CABINET W/ DOORS  
A5.6.1 1 1/2" = 1'-0"



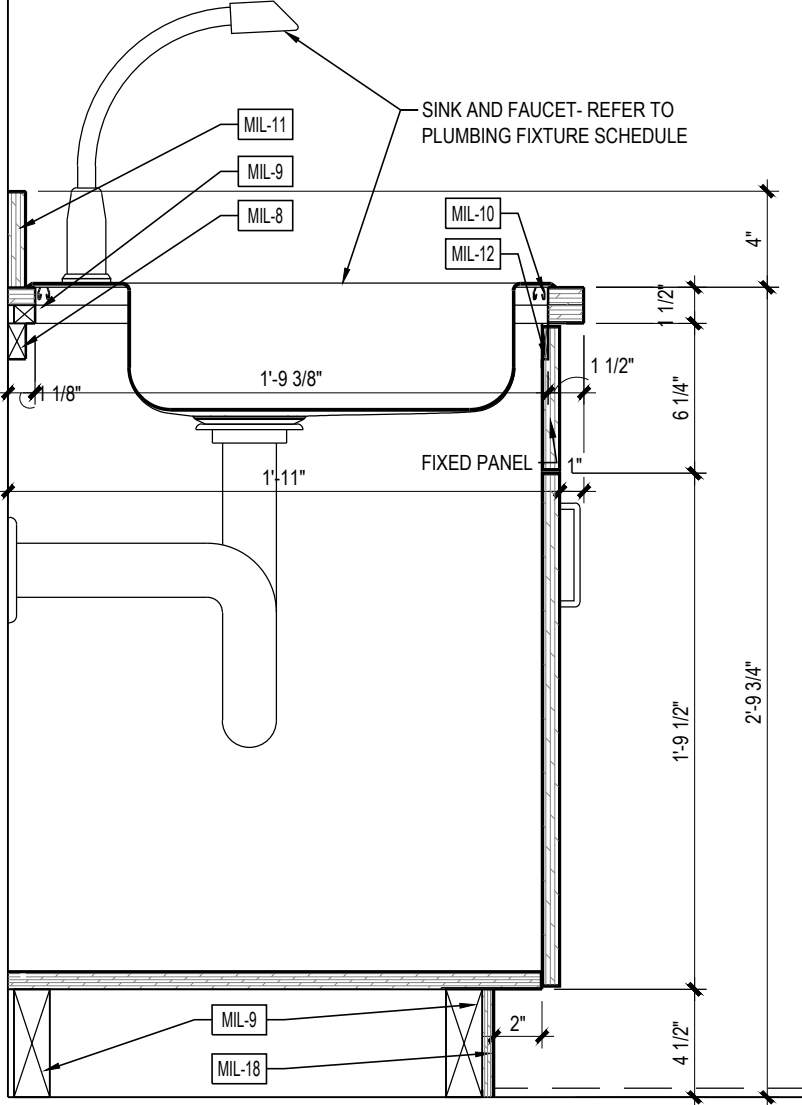
6 HANG ROD AND SHELF  
A5.6.1 1 1/2" = 1'-0"

5 OPEN LAMINATE COUNTER  
A5.6.1 1 1/2" = 1'-0"



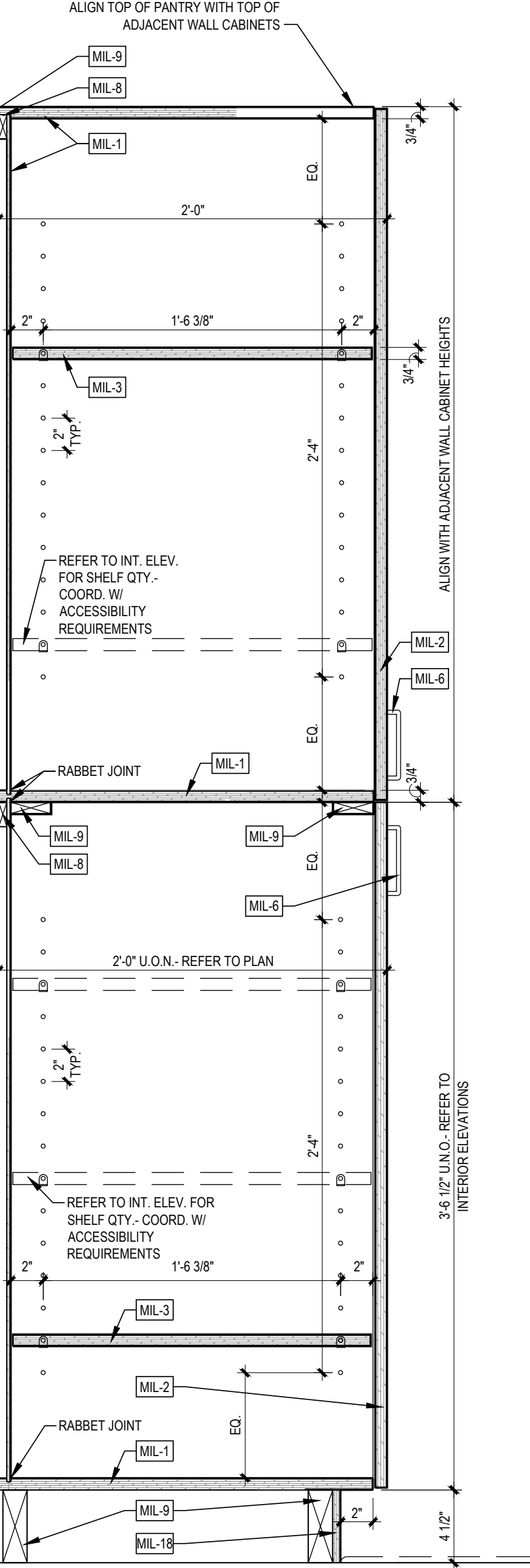
3 DOOR / DRAWER BASE CABINET  
A5.6.1 1 1/2" = 1'-0"

2 DOOR BASE CABINET  
A5.6.1 1 1/2" = 1'-0"



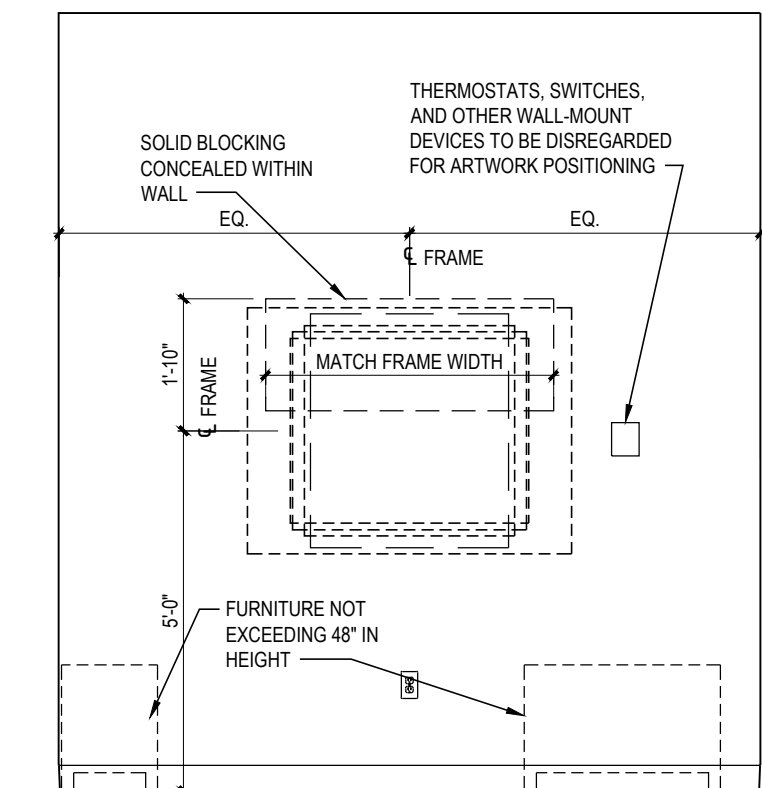
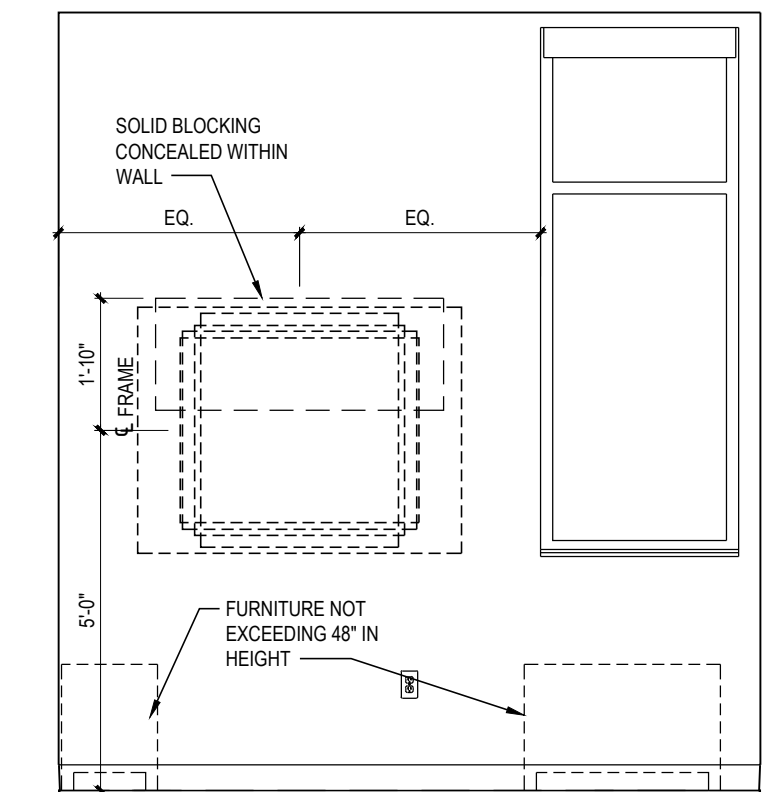
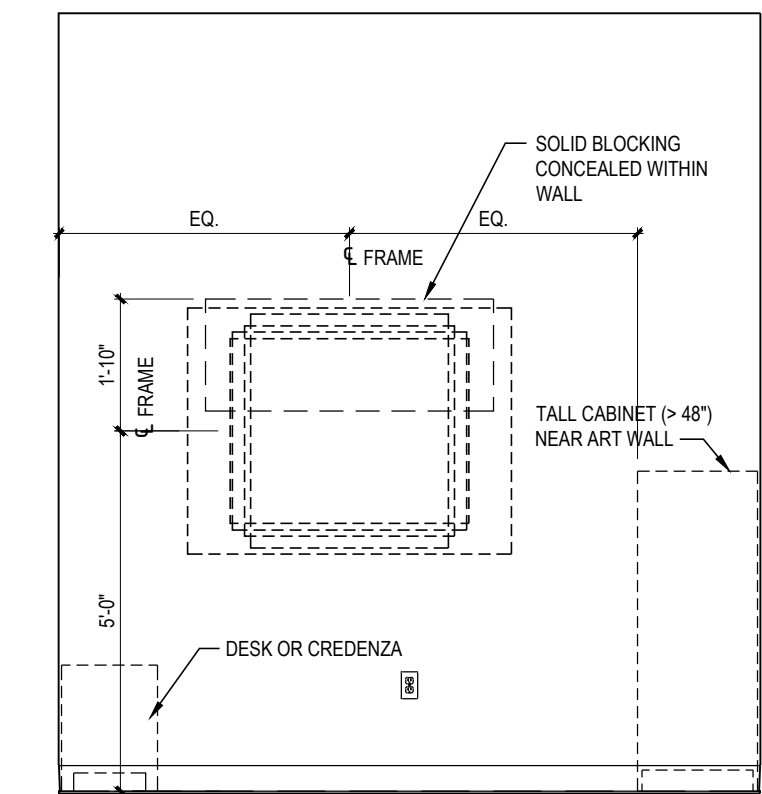
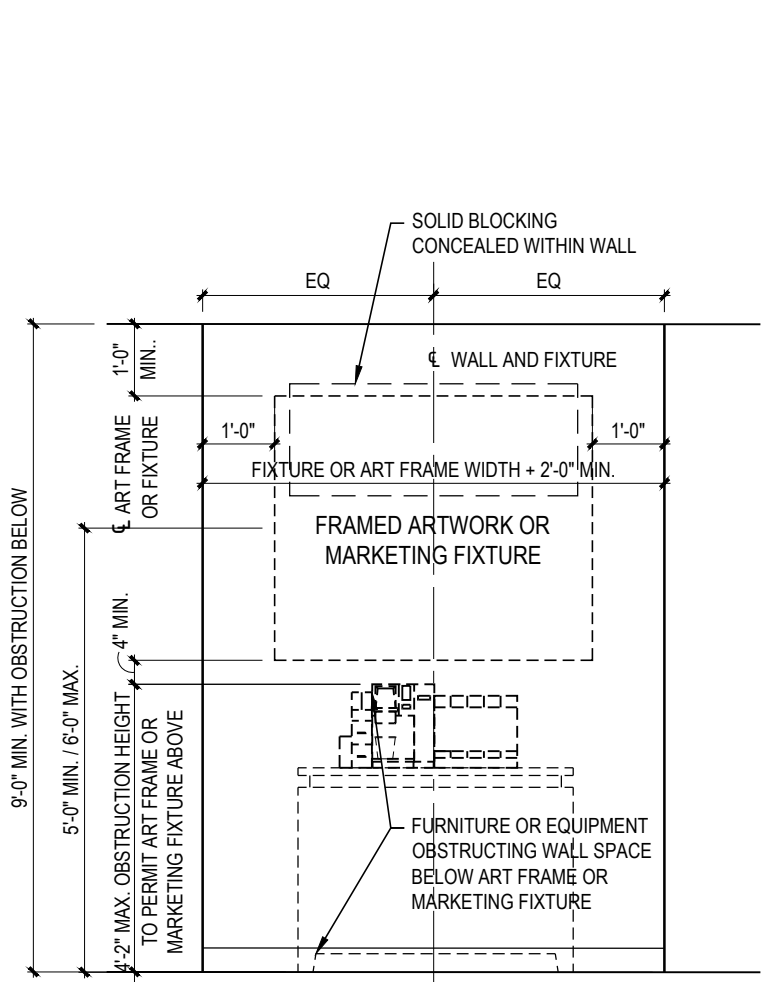
1 SINK BASE CABINET  
A5.6.1 1 1/2" = 1'-0"

**GROMMET NOTES**  
GC TO PROVIDE GROMMETS TO BE FIELD-LOCATED BY CHASE BRANCH BANK STAFF AND INSTALLED BY GC AT TURNOVER.  
(2) - DOUG MOCKETT AG SERIES - 3/4" WHITE AT MANUAL TRANSACTION MILLWORK  
(2) - DOUG MOCKETT OG3 - 1" WHITE AT MANUAL TRANSACTION MILLWORK  
(6) - DOUG MOCKETT BG3 1-1/2" WHITE  
(6) - DOUG MOCKETT BG3 1-1/2" BLACK

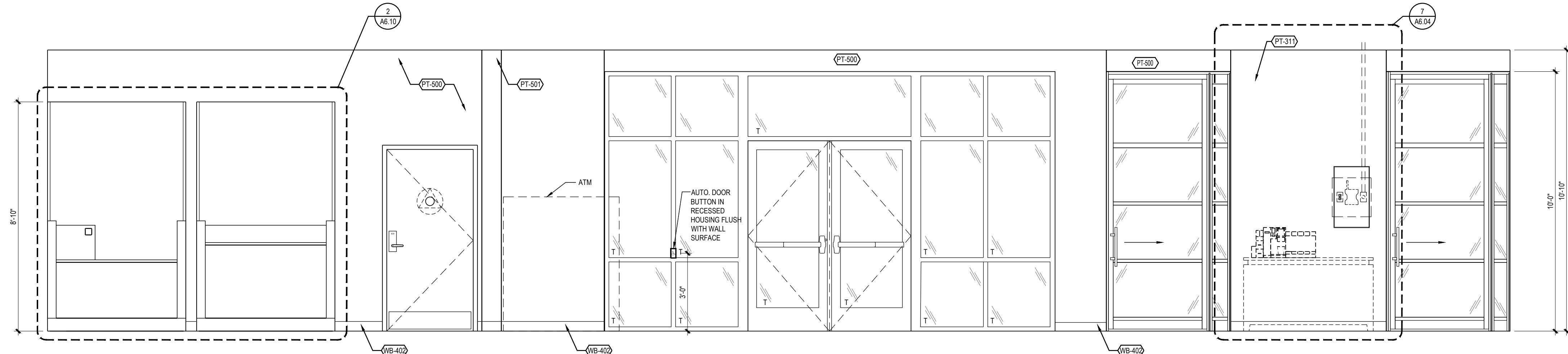


4 PANTRY  
A5.6.1 1 1/2" = 1'-0"

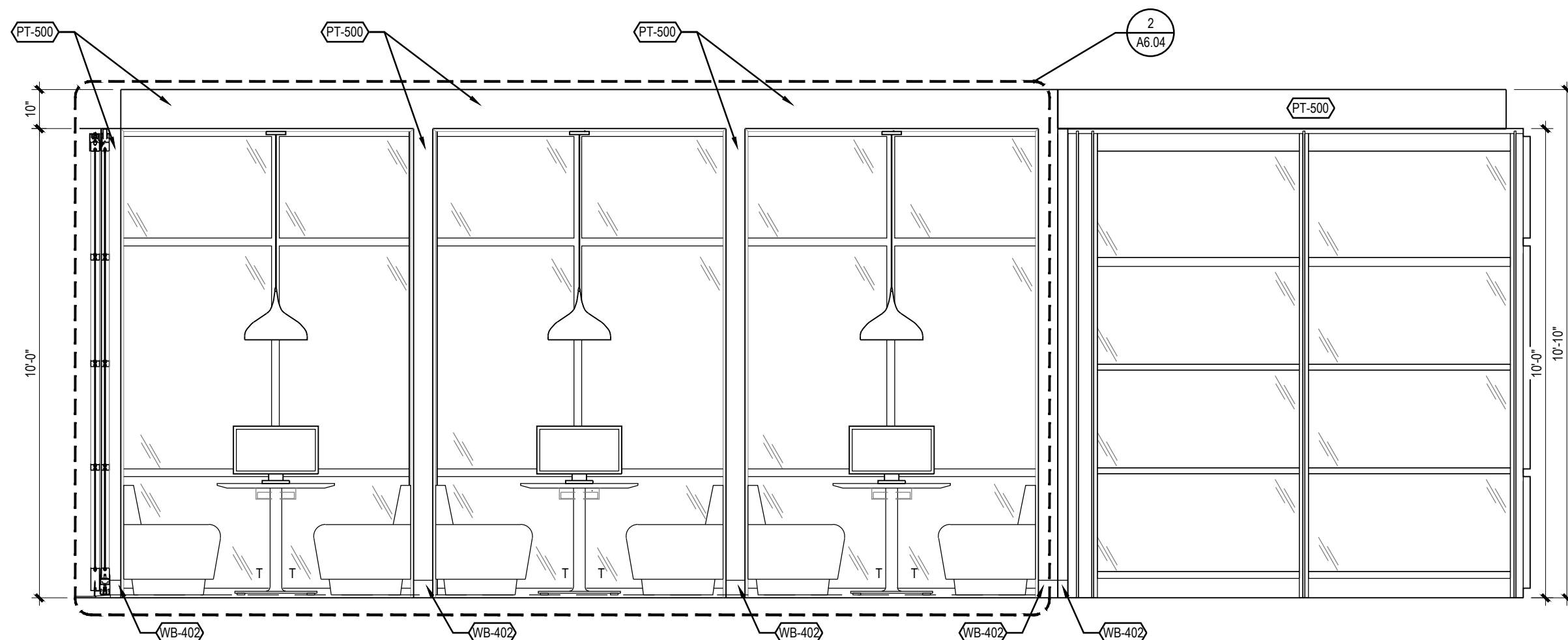




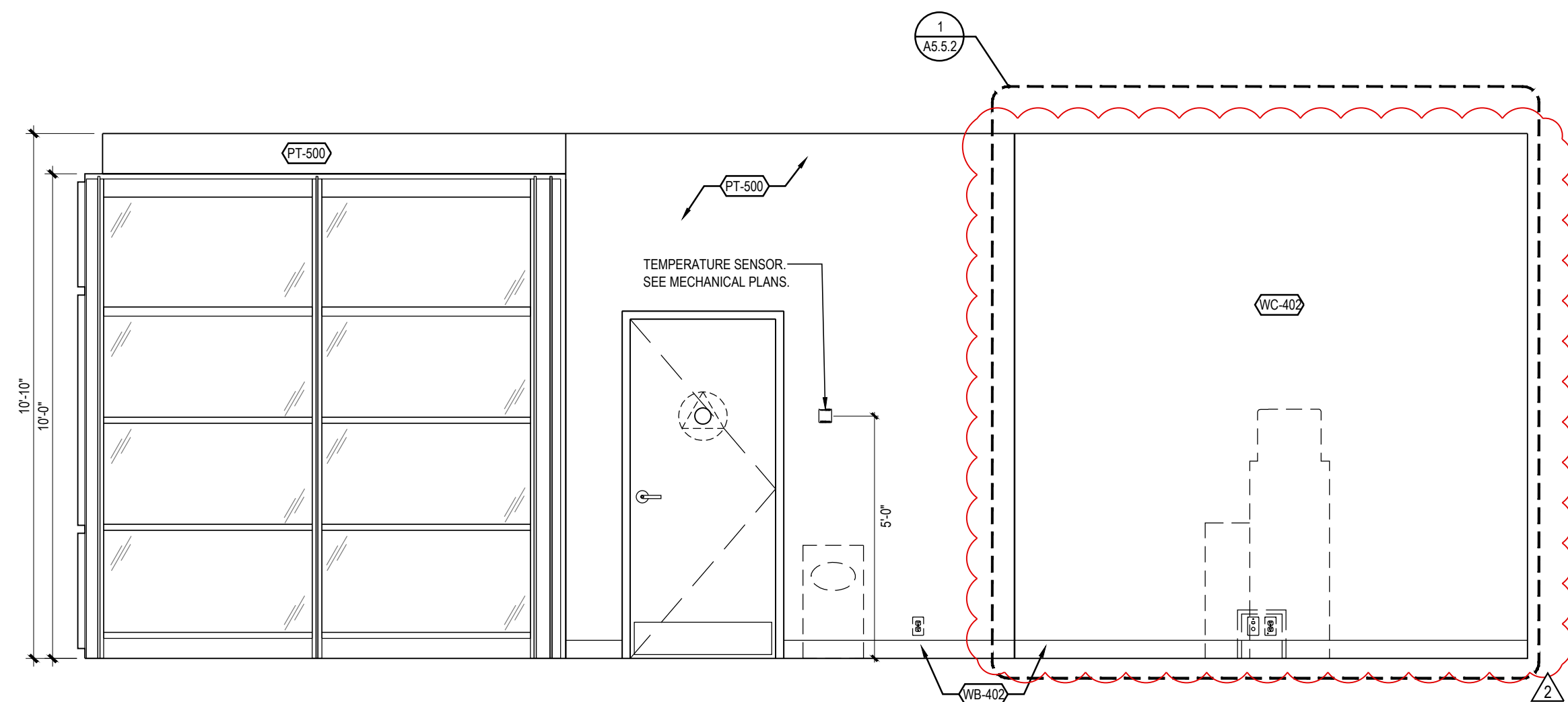
- OWNER-PROVIDED ARTWORK POSITIONING GUIDELINES:
- PREFERRED LOCATION: BACK WALL
  - SECONDARY LOCATION: SIDE WALL
  - OPPOSITE DESK
  - STANDARD SIZES FOR OFFICES, CONFERENCE ROOMS, AND LOBBIES:
    - 35" SQUARE
    - 33"W x 39"H
    - 38"W x 35"H
    - 39.75"W x 30.75" H
  - LARGE SIZE FOR CONFERENCE ROOMS AND LOBBIES ONLY:
    - 54"W x 41"H



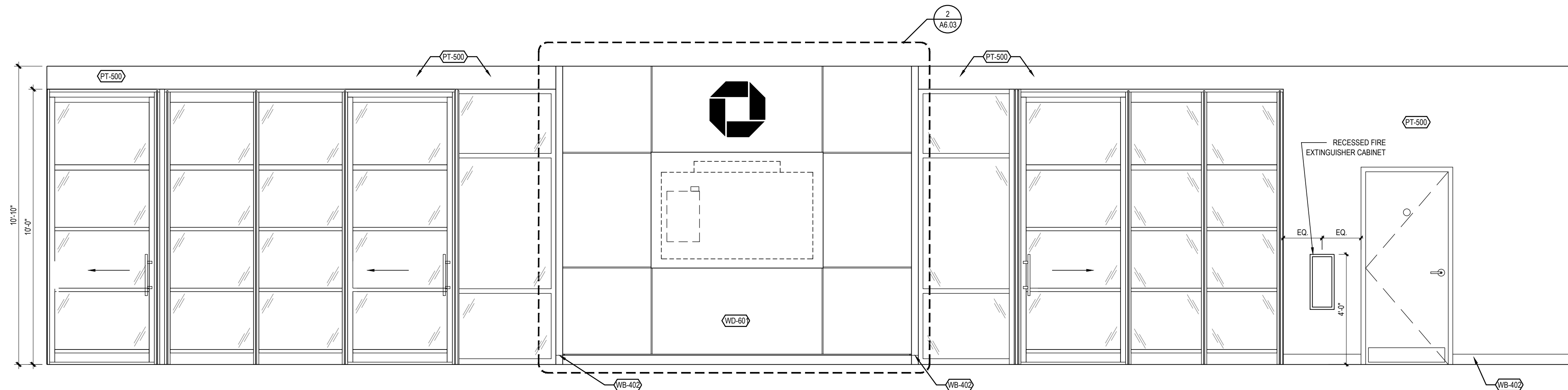
3 MANUAL TRANSACTION / VESTIBULE / WELCOME WALL ELEVATION  
3/8" = 1'-0"



4 BOOTHS / LIVING ROOM ELEVATION  
3/8" = 1'-0"



2 eATM / LIVING ROOM ELEVATION  
3/8" = 1'-0"



1 LIVING ROOM / LOBBY ELEVATION  
3/8" = 1'-0"

5 TYPICAL ART & MARKETING MATERIAL POSITIONING  
3/8" = 1'-0"

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890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
4000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE.1.00	

SHEET TITLE  
MAIN BANKING FLOOR:  
INTERIOR ELEVATIONS AND  
MARKETING POSITIONING  
DETAILS

SHEET NUMBER

A6.00




RELEASE FOR  
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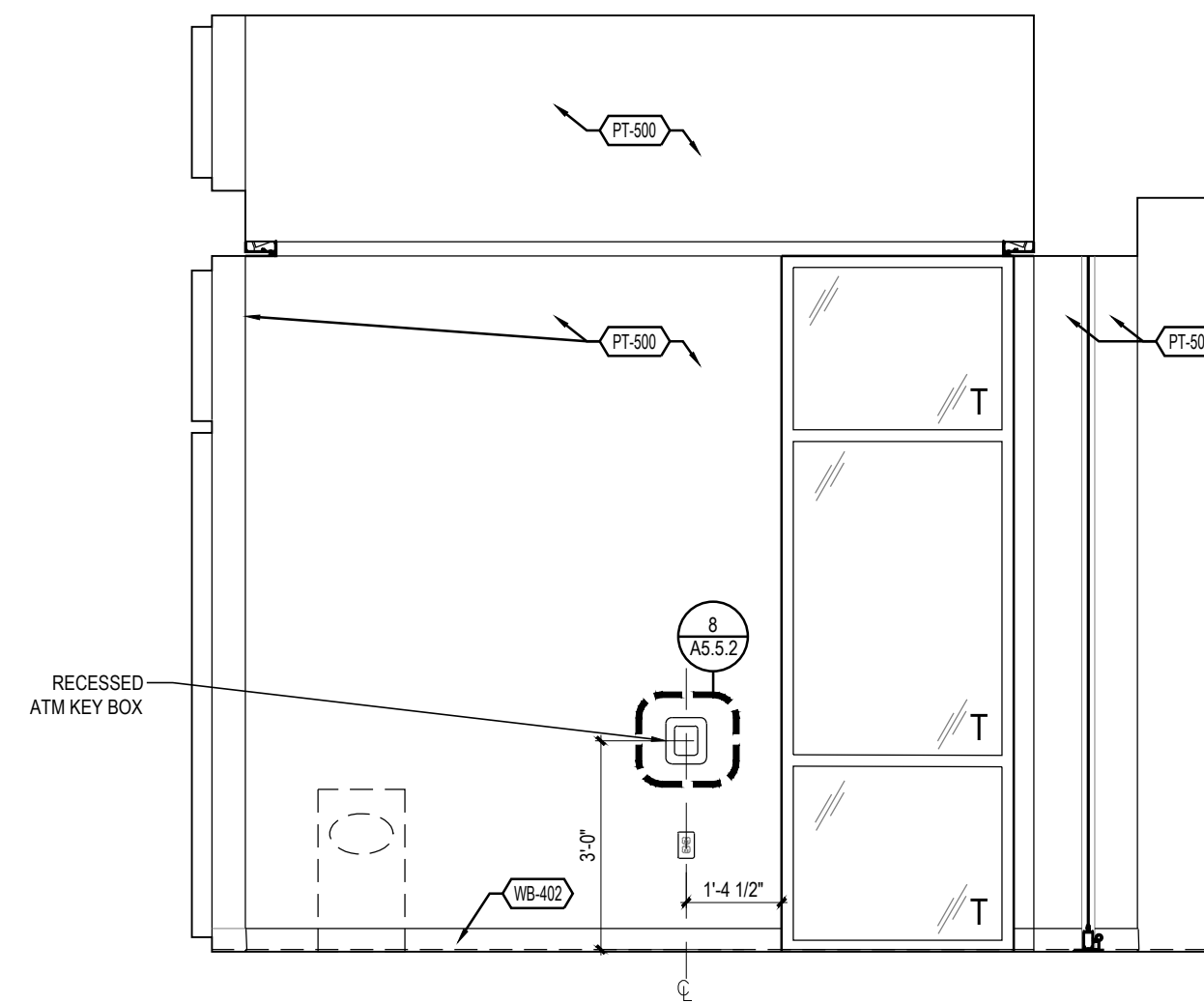
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-	2020.12.21	PERMIT SET

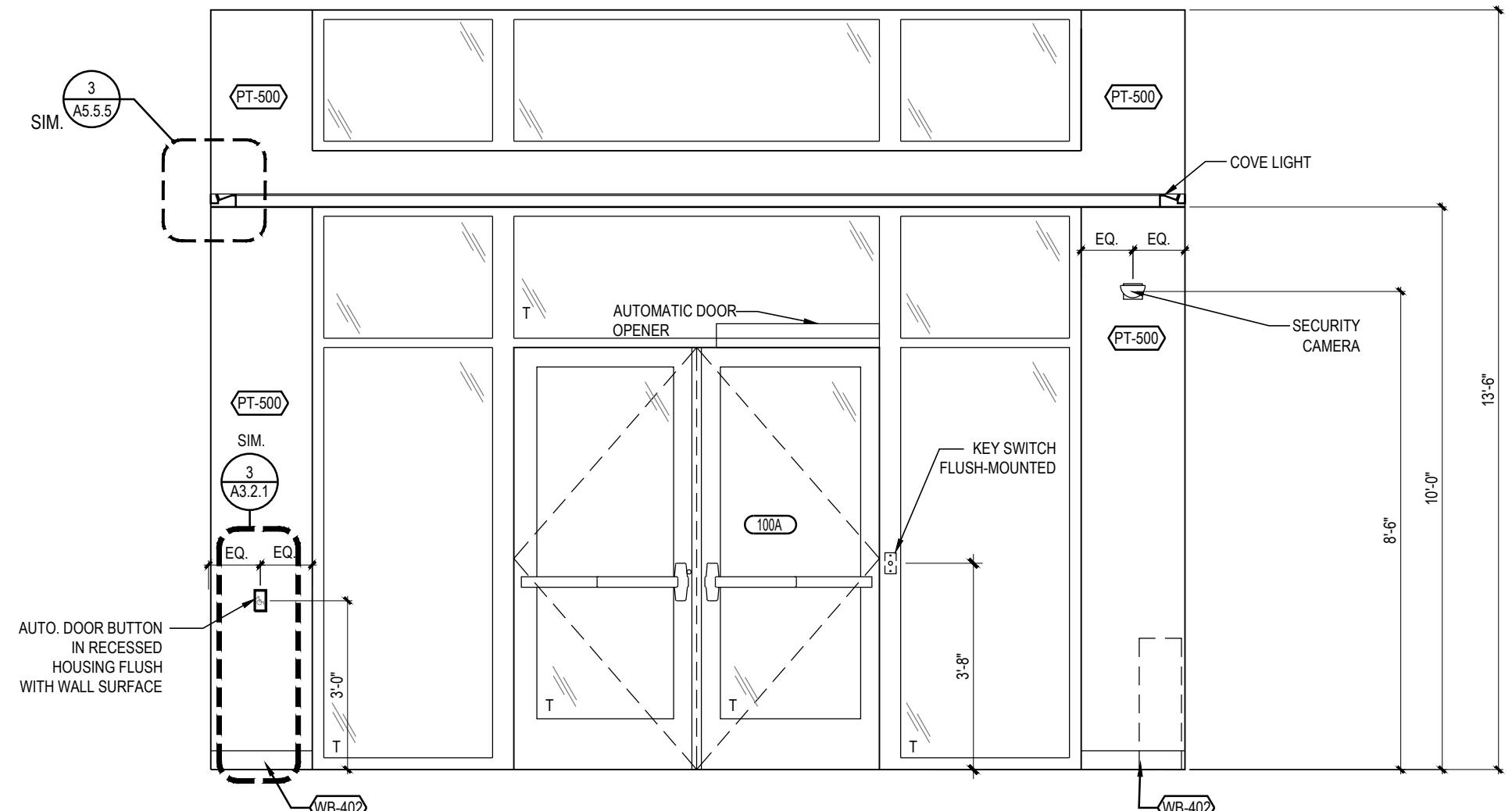
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PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	X.X.LASTNAME
CHECKED BY:	B.LASURS
VERSION:	SE.1.00

SHEET TITLE
TRANSACTION VESTIBULE: INTERIOR ELEVATIONS
SHEET NUMBER

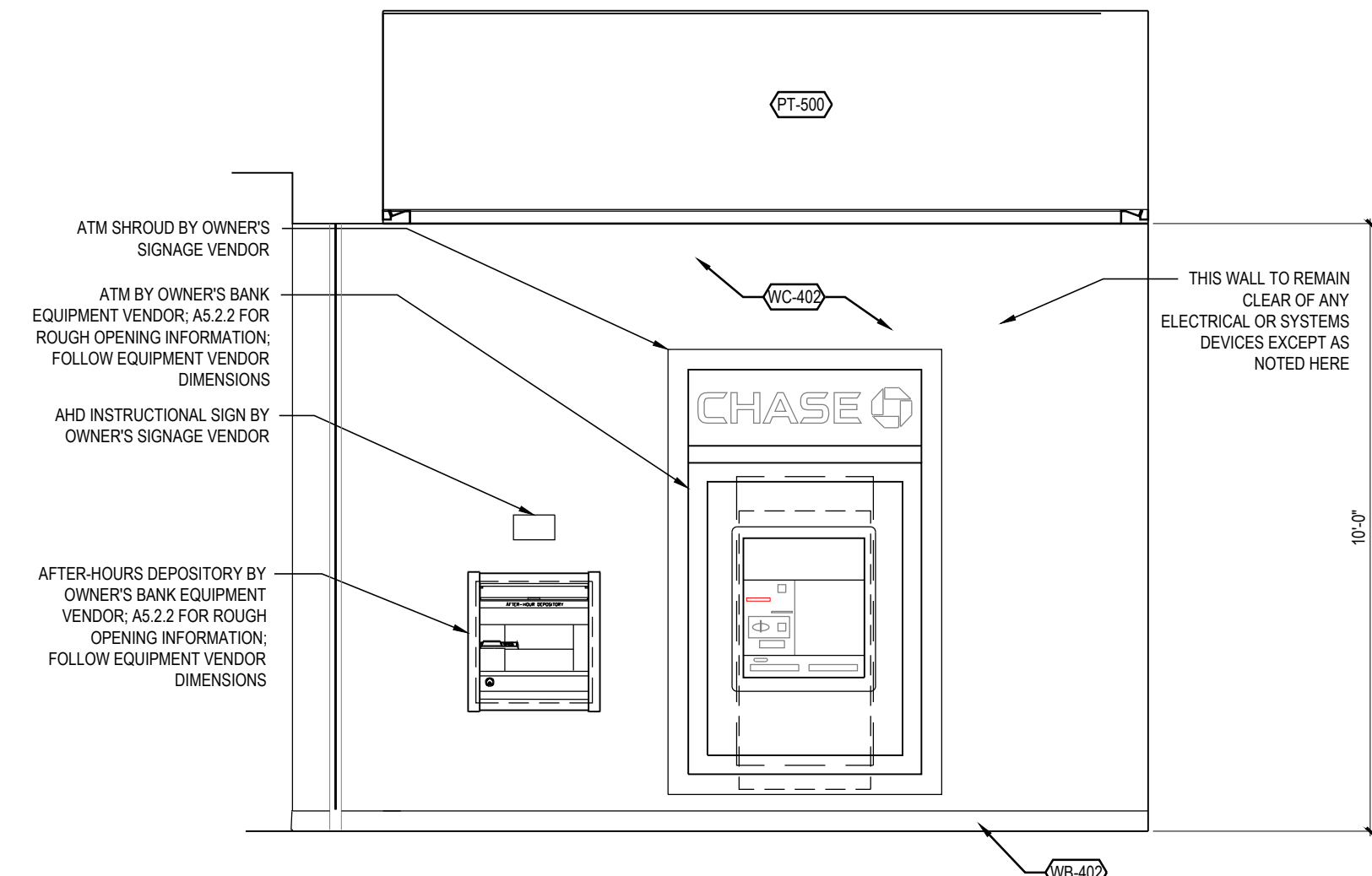
A6.01



3  
A6.01  
INTERIOR ELEVATION  
3/8" = 1'-0"



2  
A6.01  
INTERIOR ELEVATION  
3/8" = 1'-0"



1  
A6.01  
INTERIOR ELEVATION  
3/8" = 1'-0"





ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

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PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LASURS
VERSION:	SE_1.00

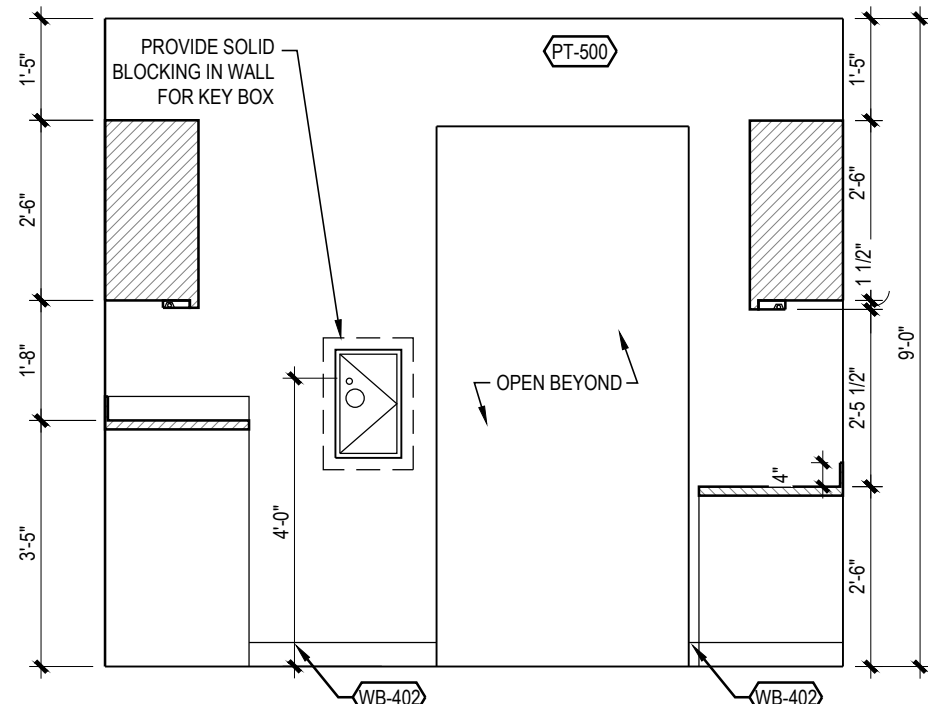
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CASH / TRANSACTION EQUIP  
ROOM & LAO AREA:  
ENLARGED PLANS AND INTERIOR  
ELEVATIONS

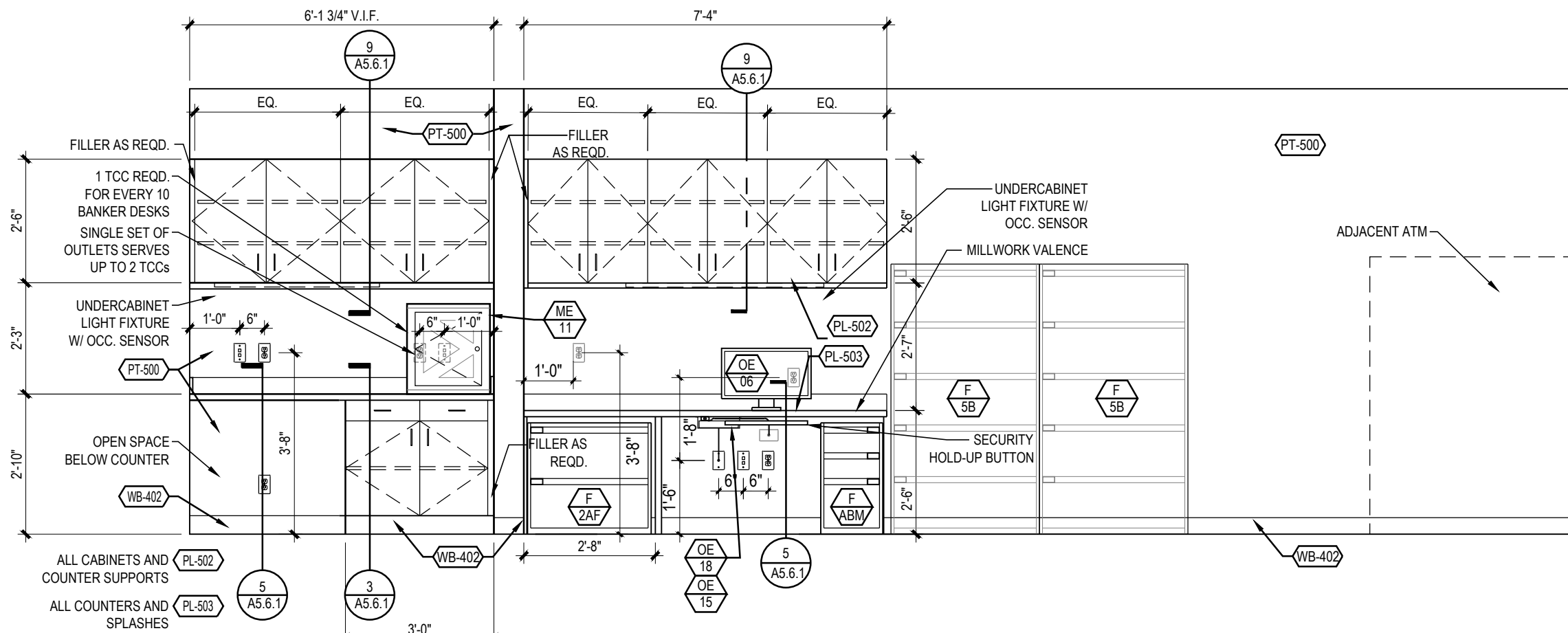
#### SHEET NUMBER

A6.02

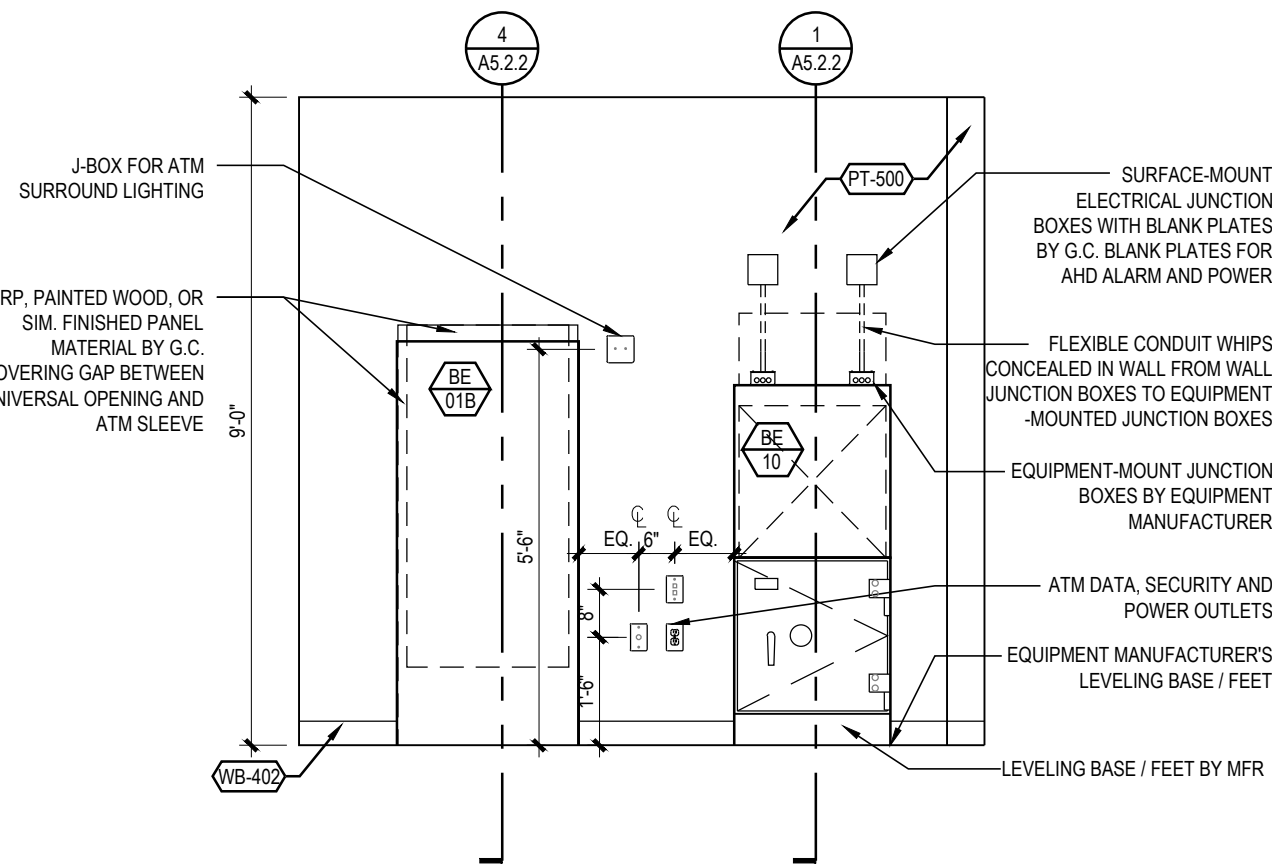
## CASH/ TRANSACTION EQUIPMENT ROOM & LAO AREA



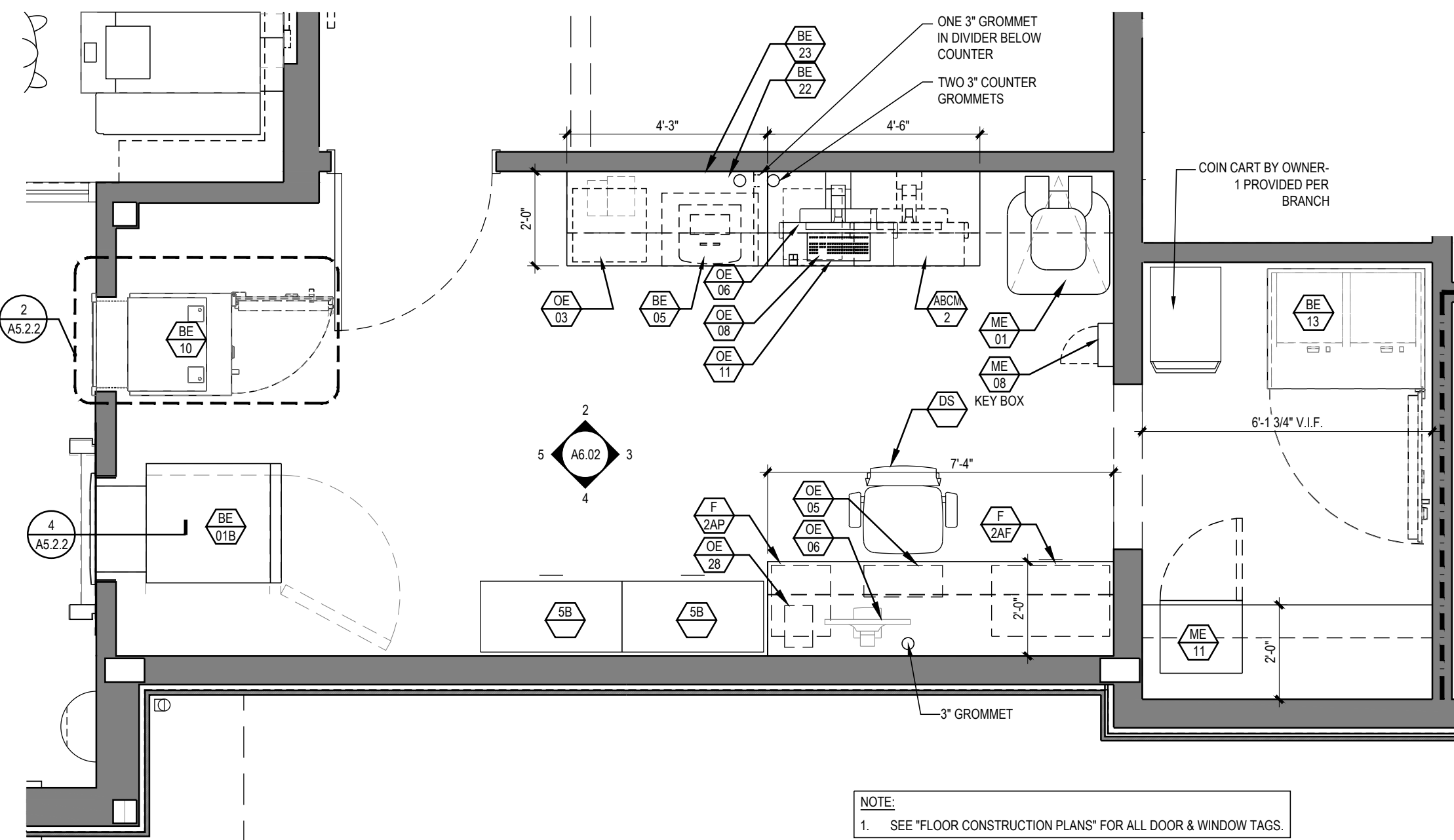
3 DOOR WALL ELEVATION  
A6.02 3/8" = 1'-0"



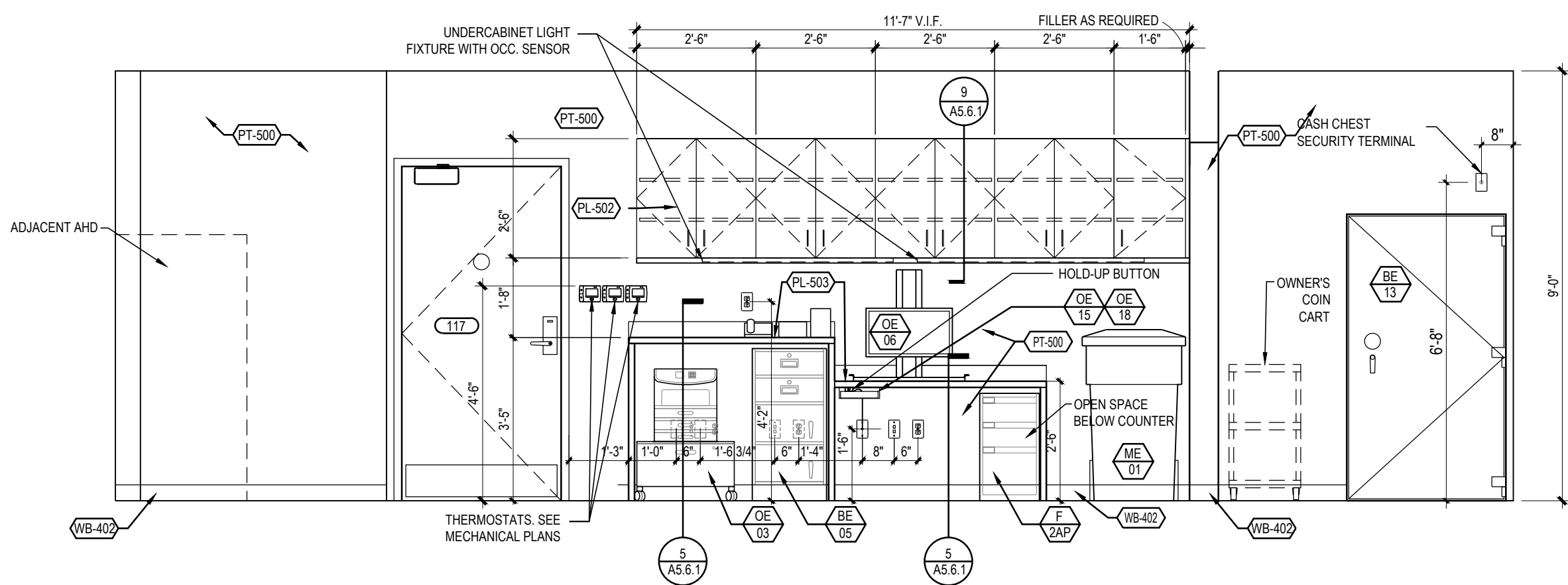
4 EQUIPMENT / CABINET WALL ELEVATION  
A6.02 3/8" = 1'-0"



5 AHD / ATM WALL ELEVATION  
A6.02 3/8" = 1'-0"

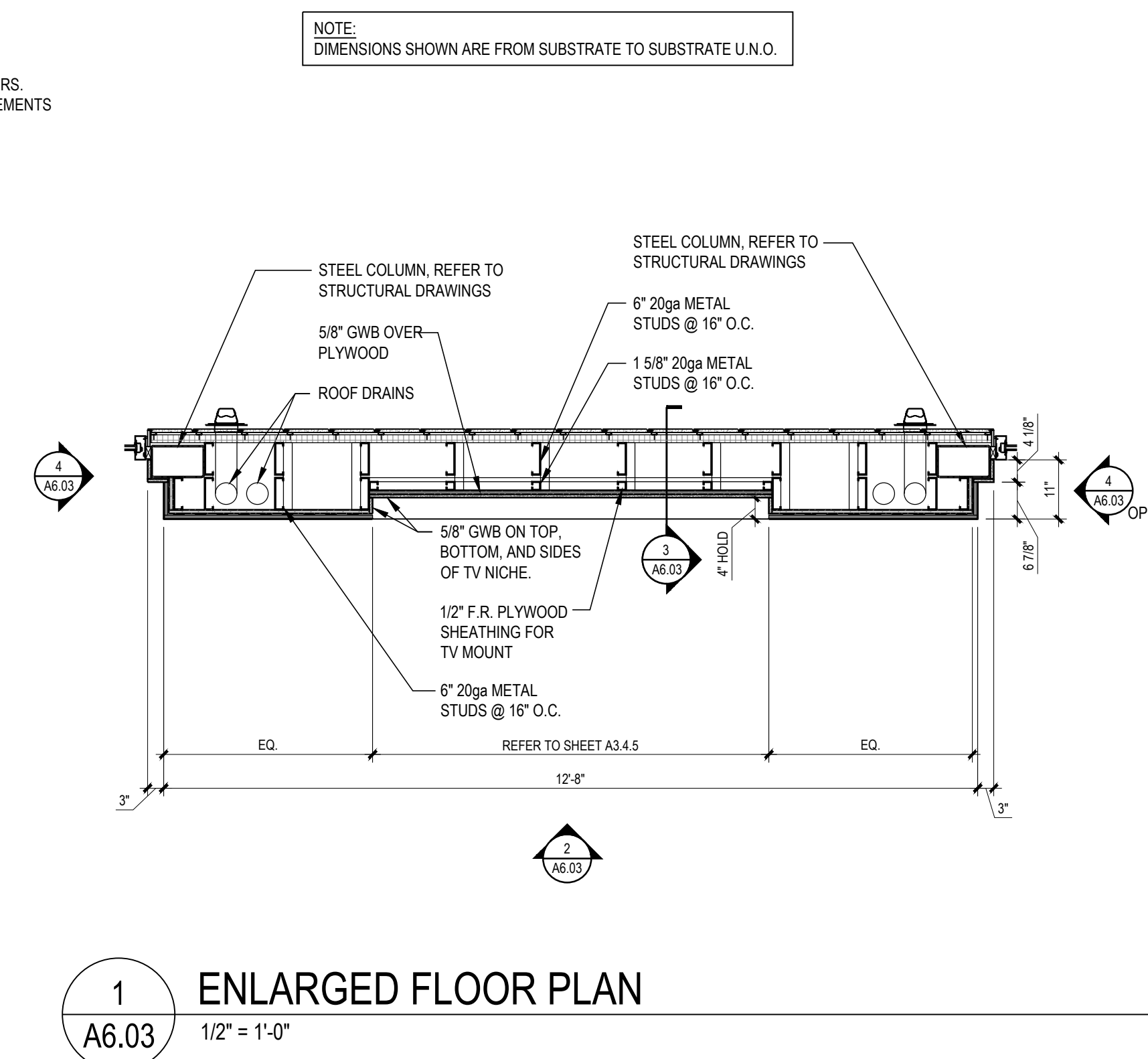
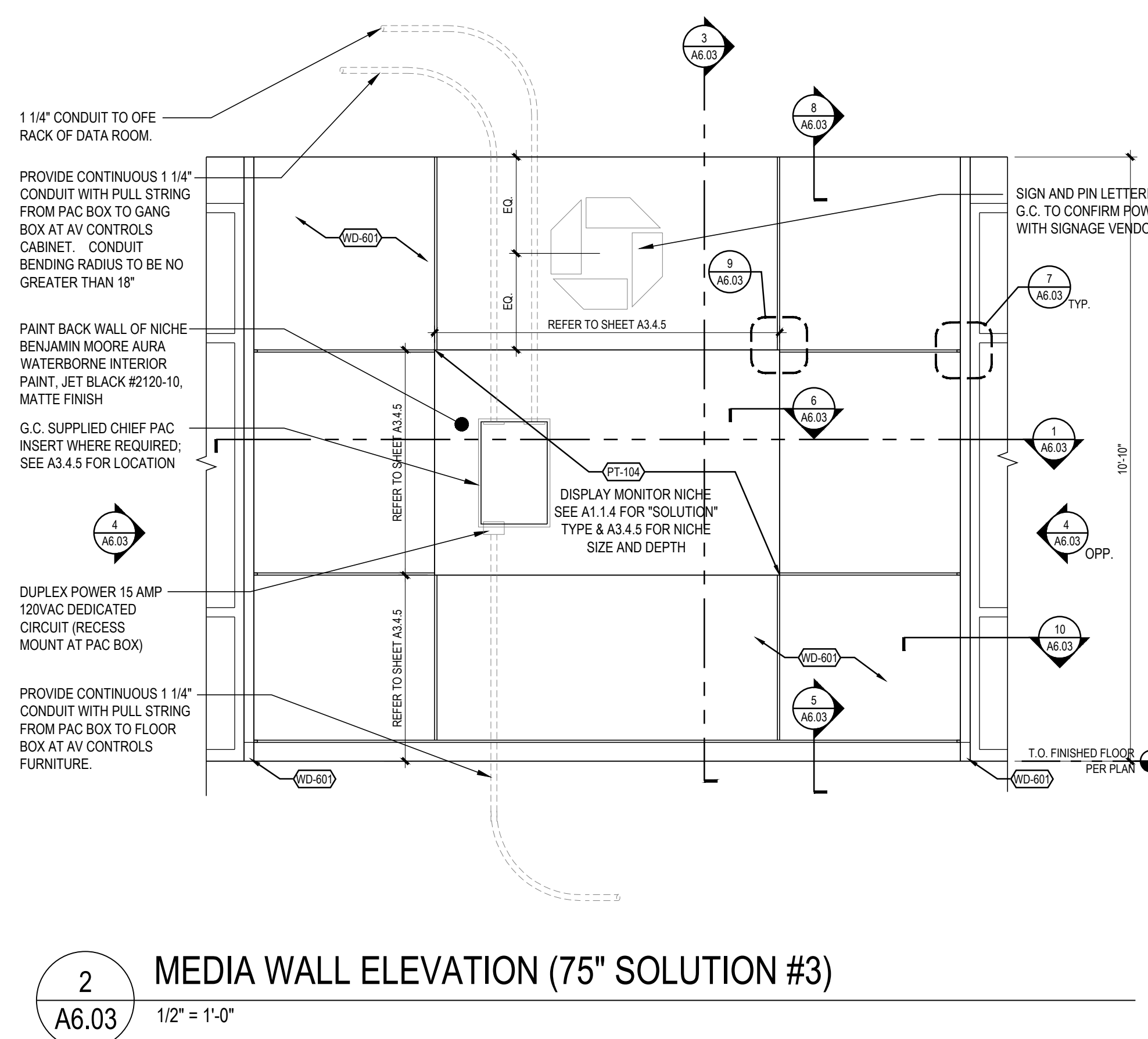
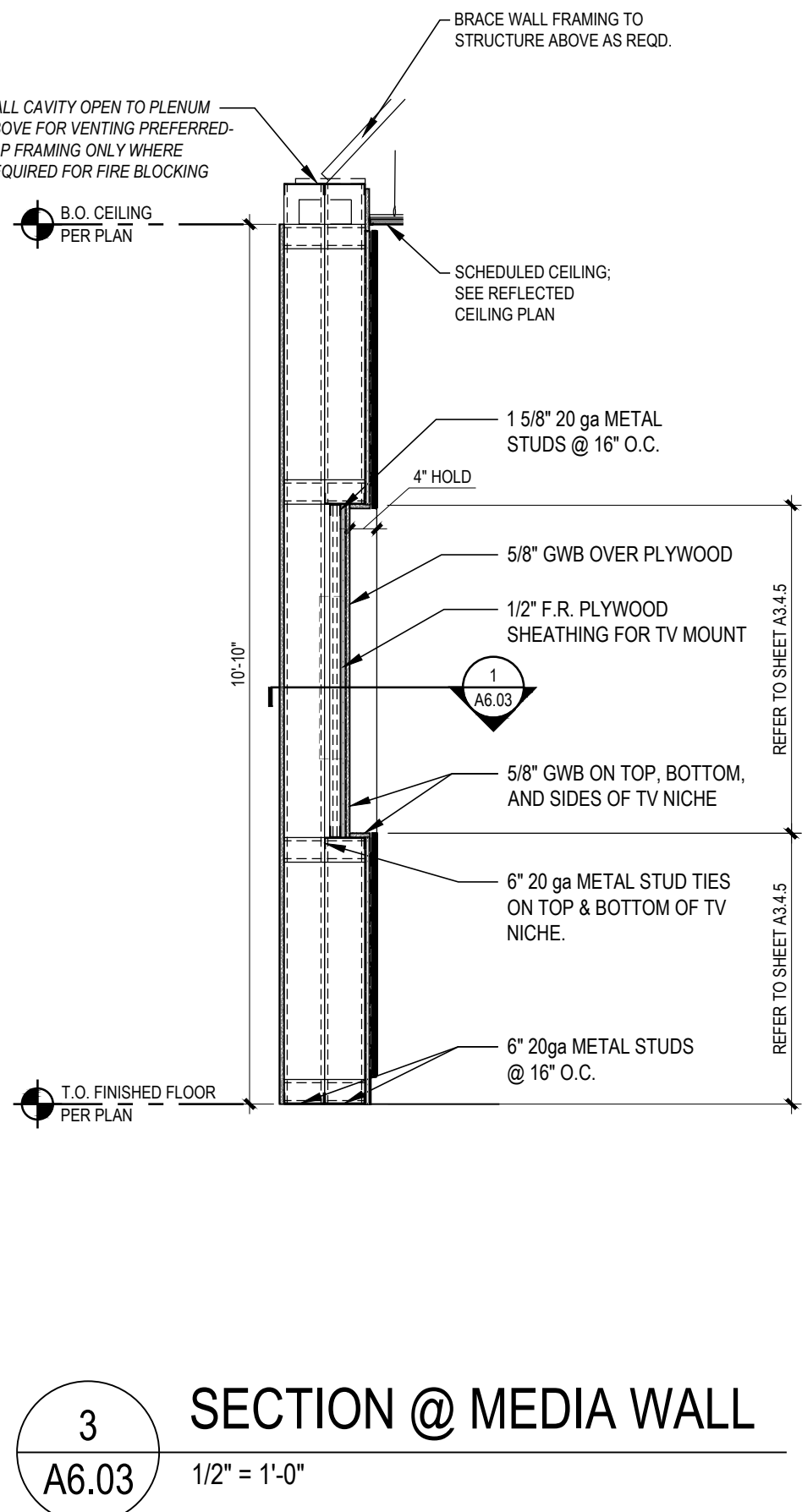
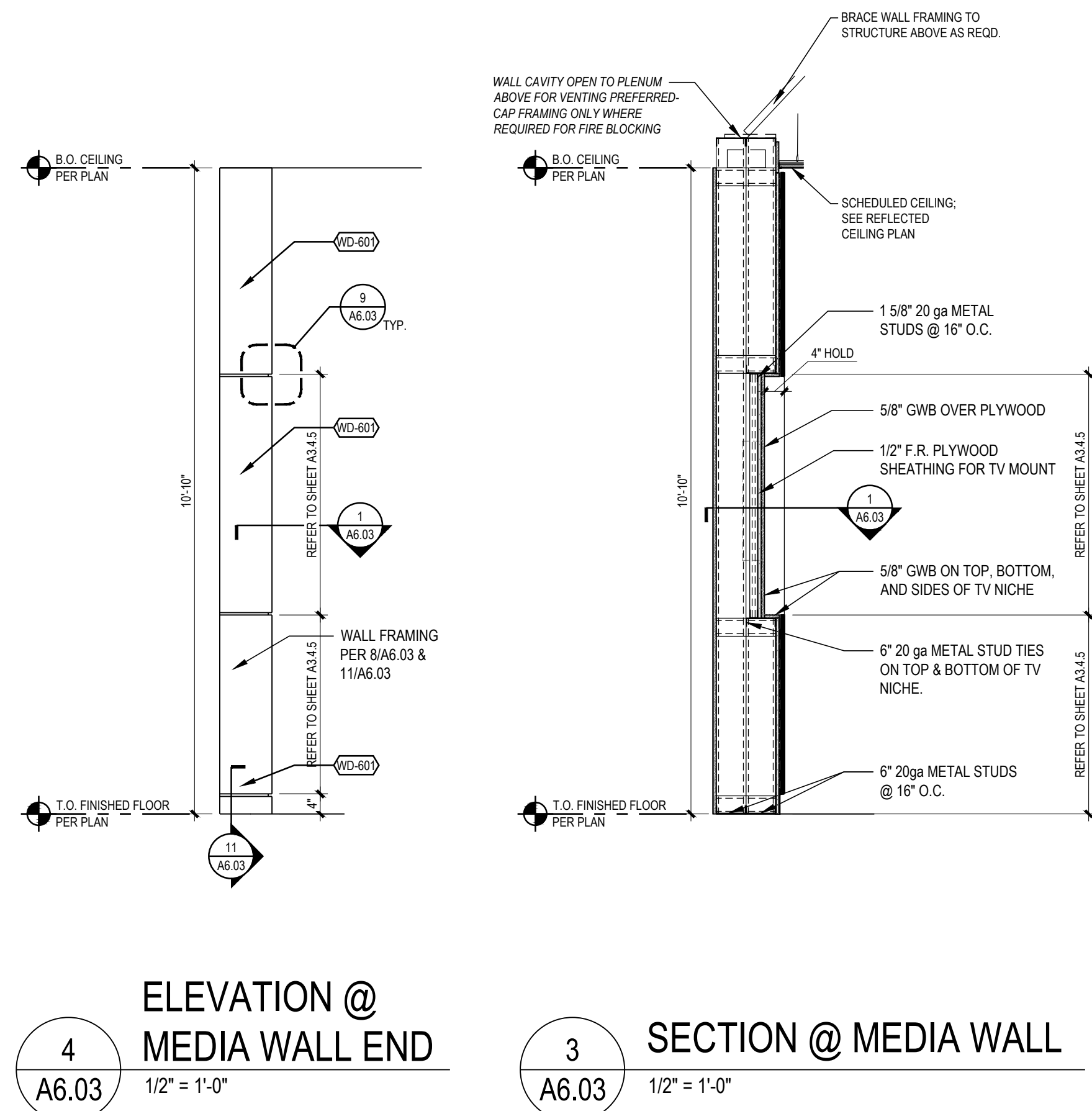
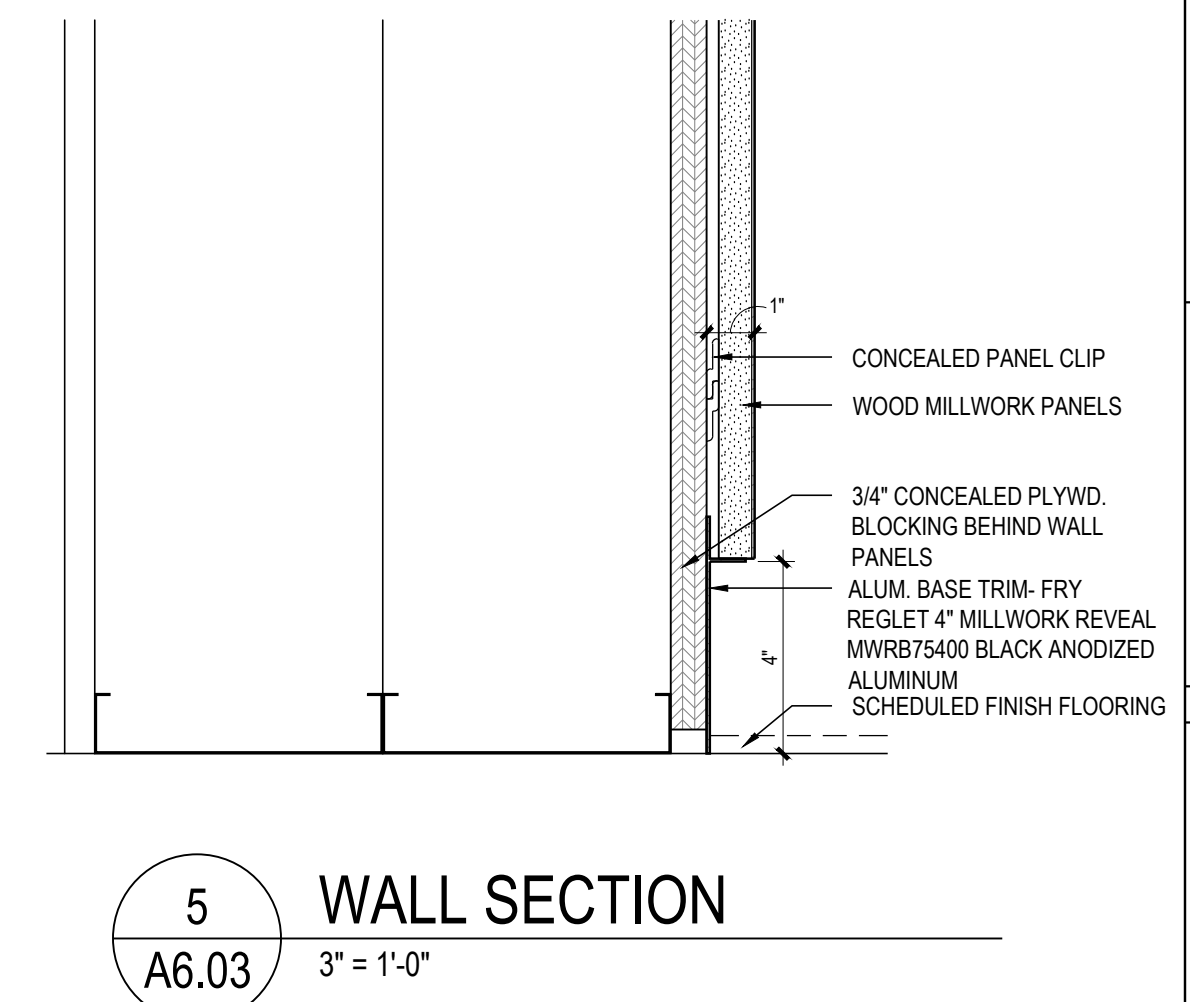
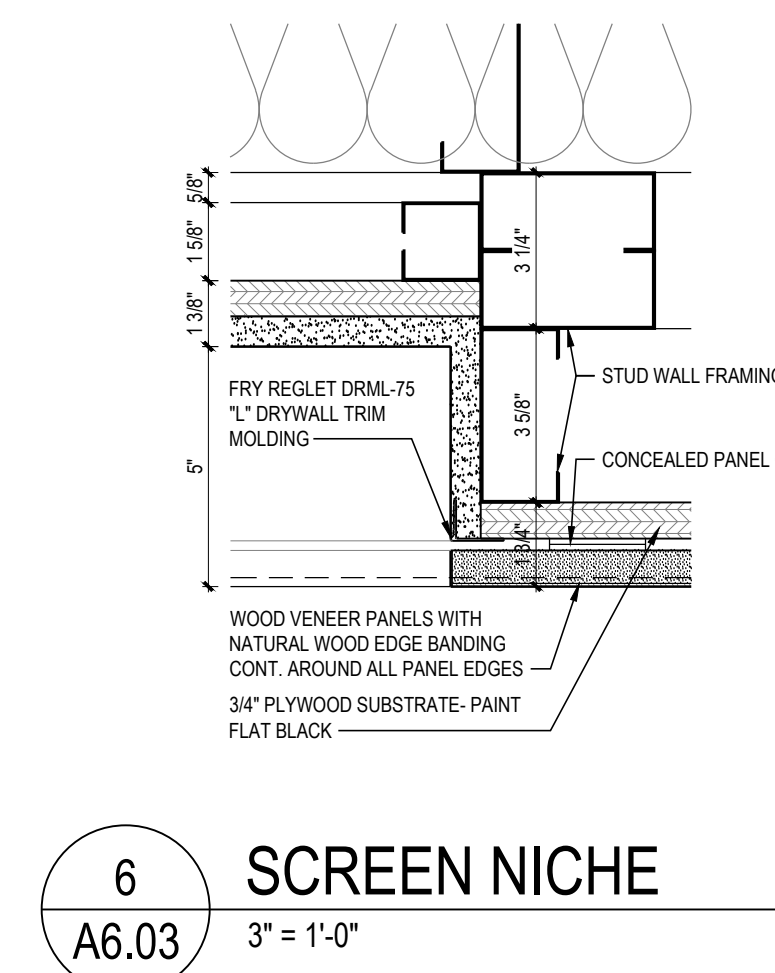
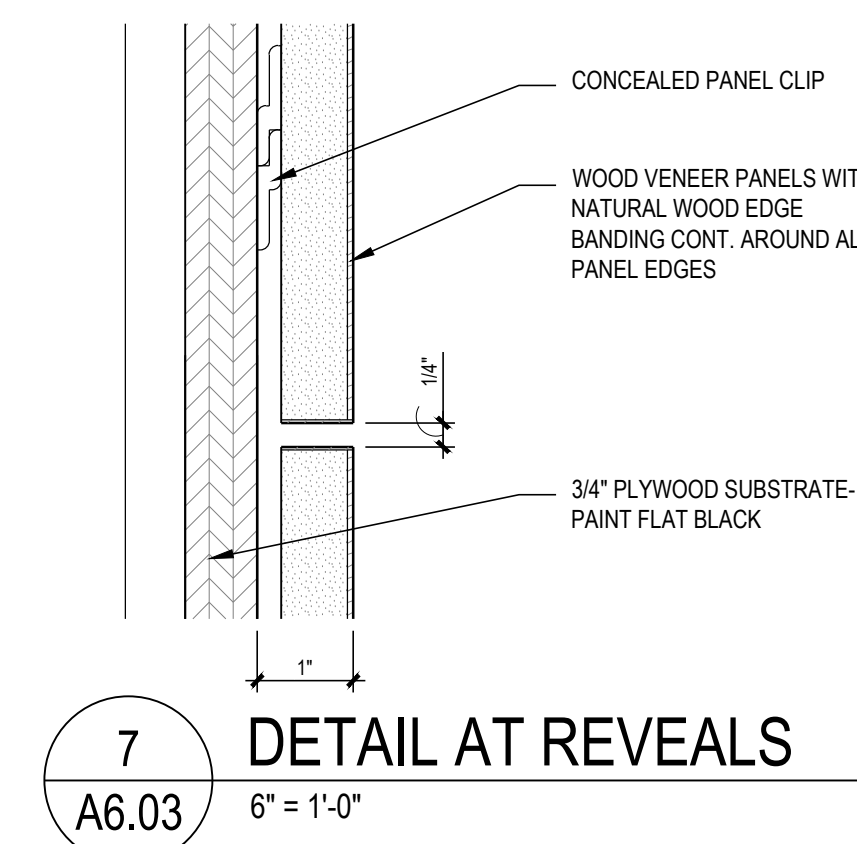
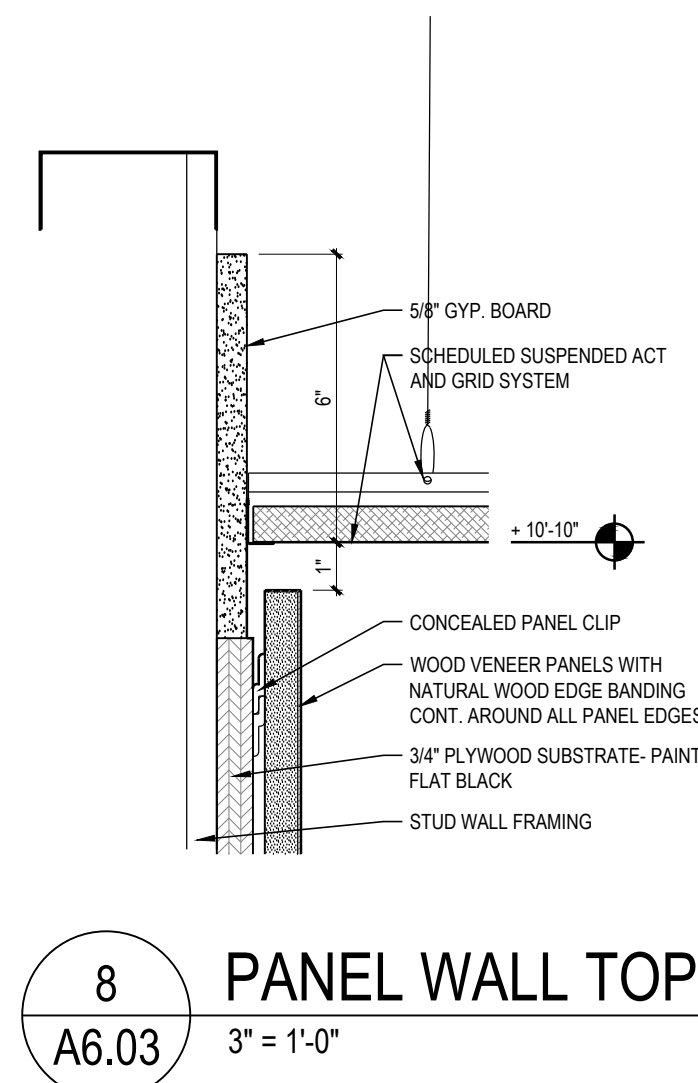
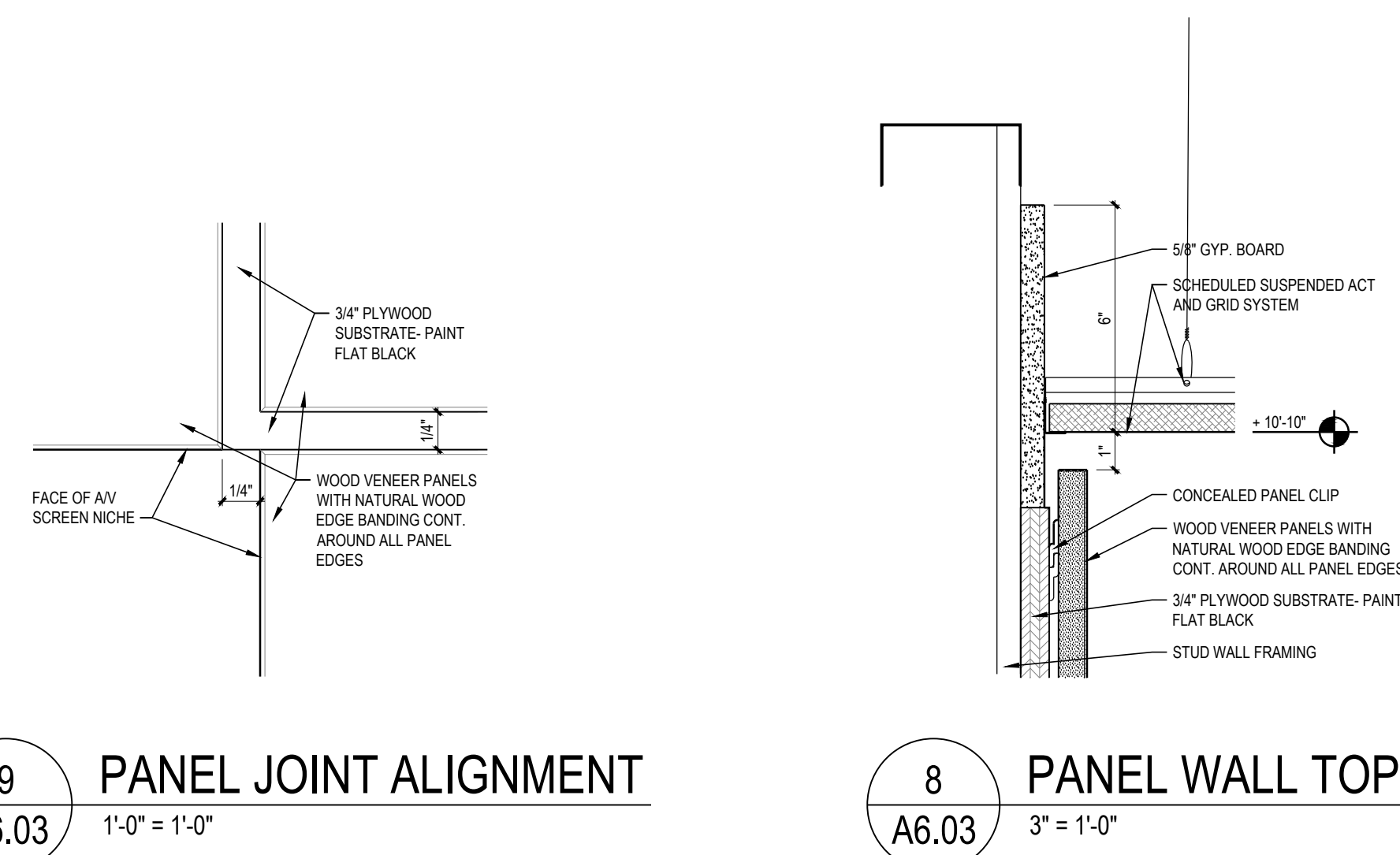
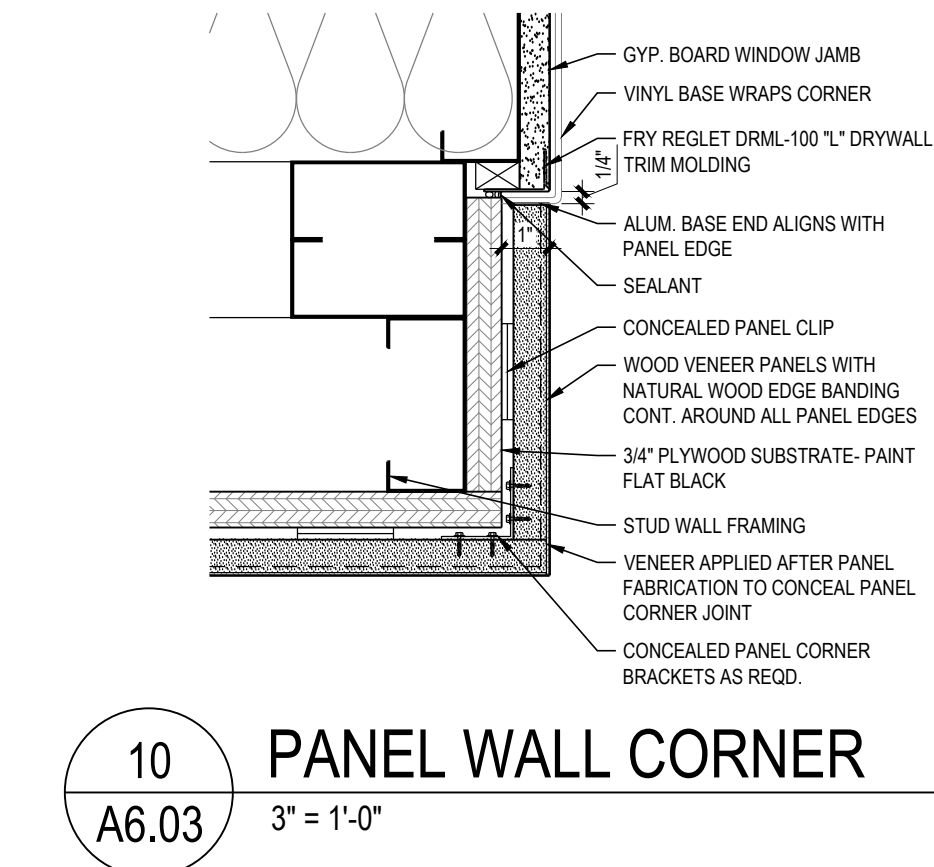
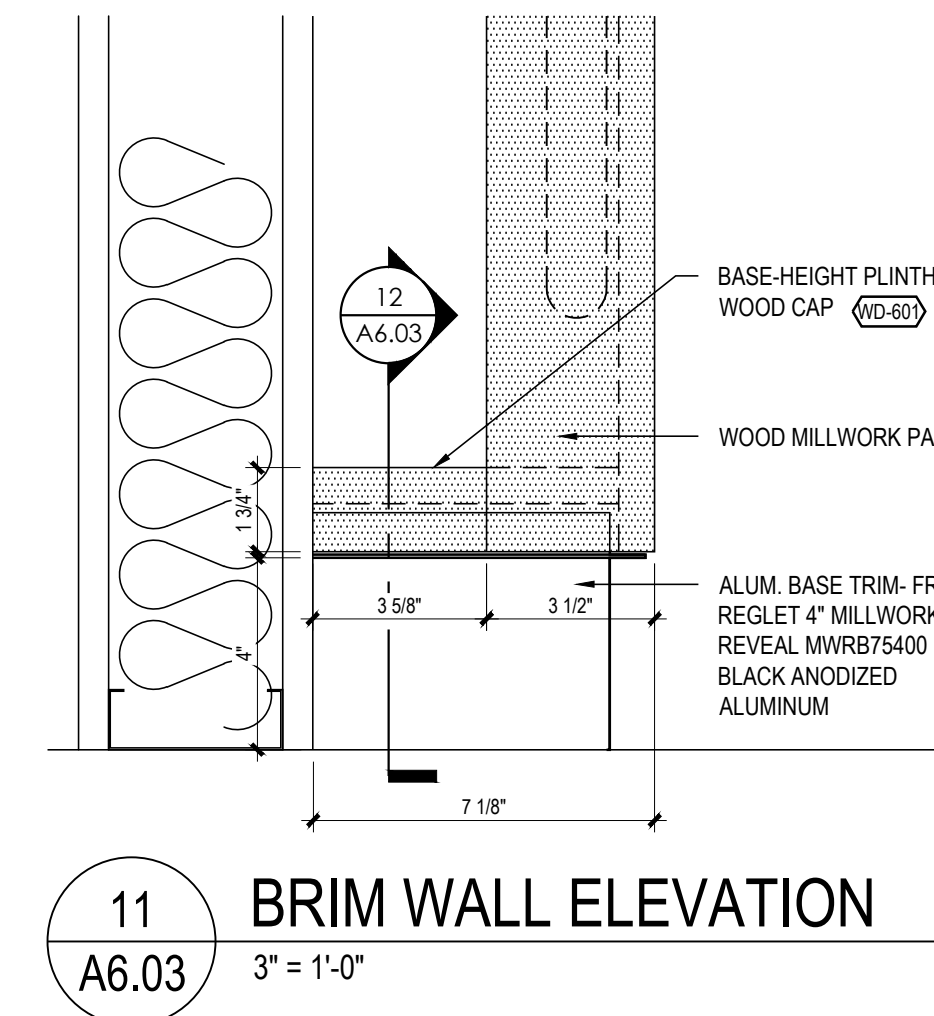
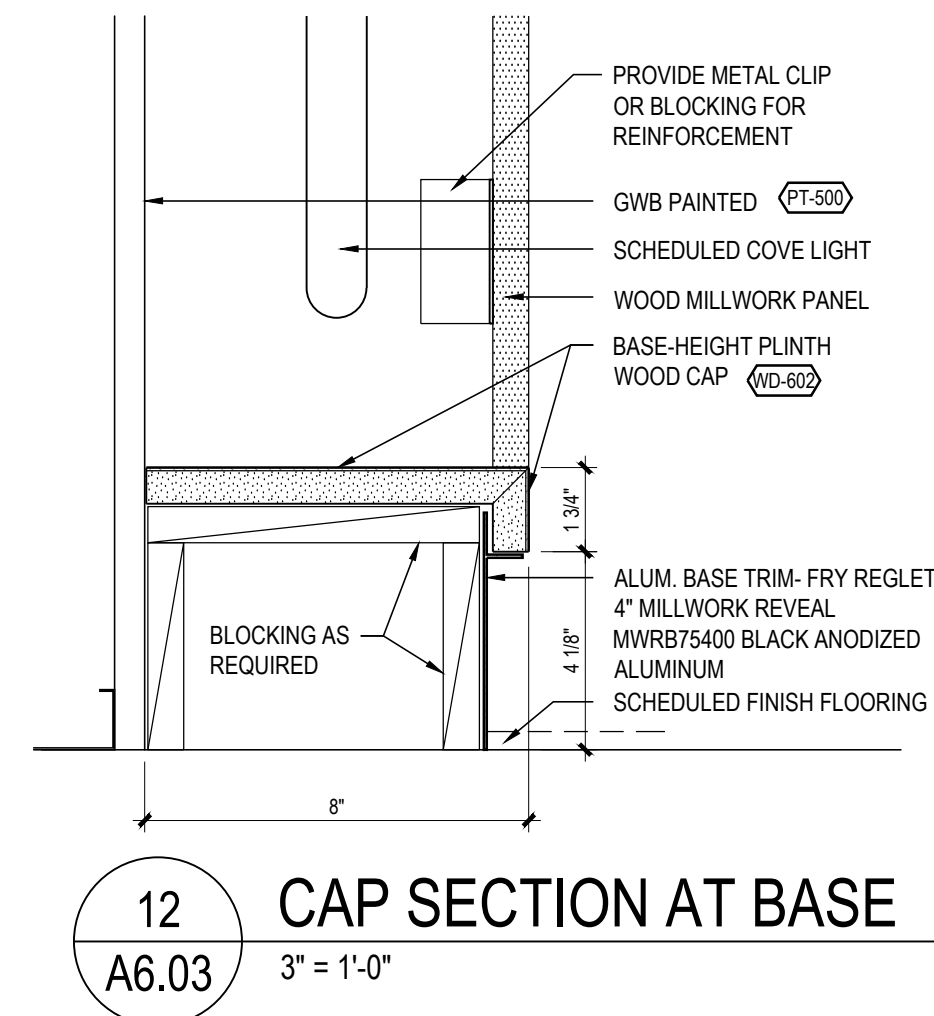


1 FLOOR PLAN  
A6.02 3/8" = 1'-0"



2 CABINET WALL ELEVATION  
A6.02 3/8" = 1'-0"





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**HWY 291 & NE LANGSFORD RD**  
890 NE LANGSFORD RD  
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CHASE OVP#38200P36899

**CORE STATES**



**GROUP**  
CORESTATES, INC.

6500 Chippewa Street Suite 200



ARCHITECT: R. BRUCE LASURS  
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[illegible]

## PROJECT INFORMATION

PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
<b>PROTOTYPE:</b>	<b>20.2</b>
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LaSURS
VERSION:	SE_1.00

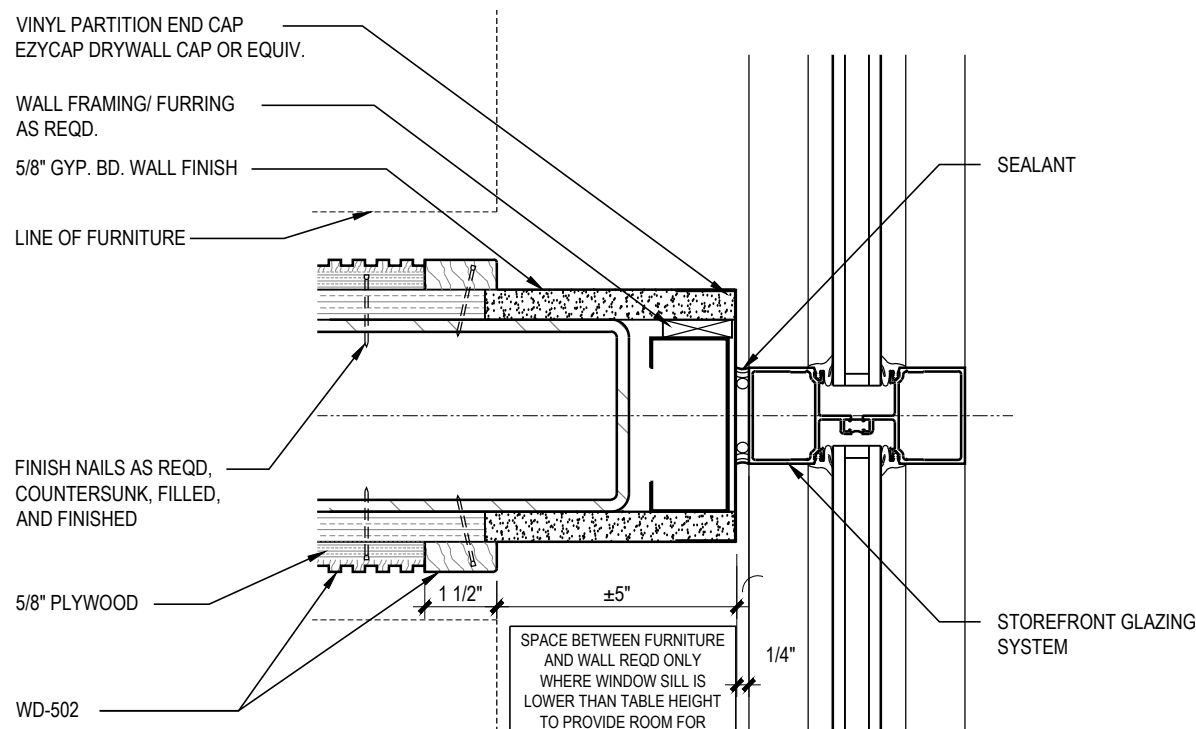
SHEET TITLE

MEDIA WALL -  
ENLARGED PLAN,  
ELEVATIONS & DETAILS

SHEET NUMBER

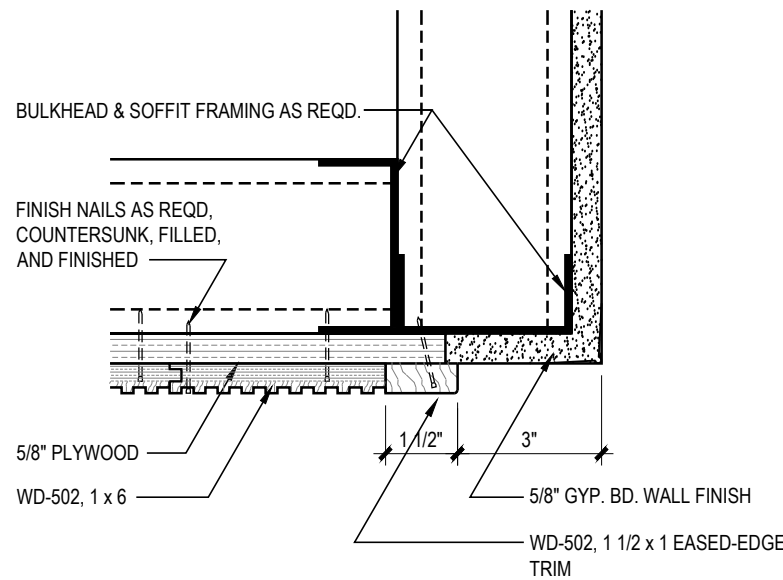
A6.03





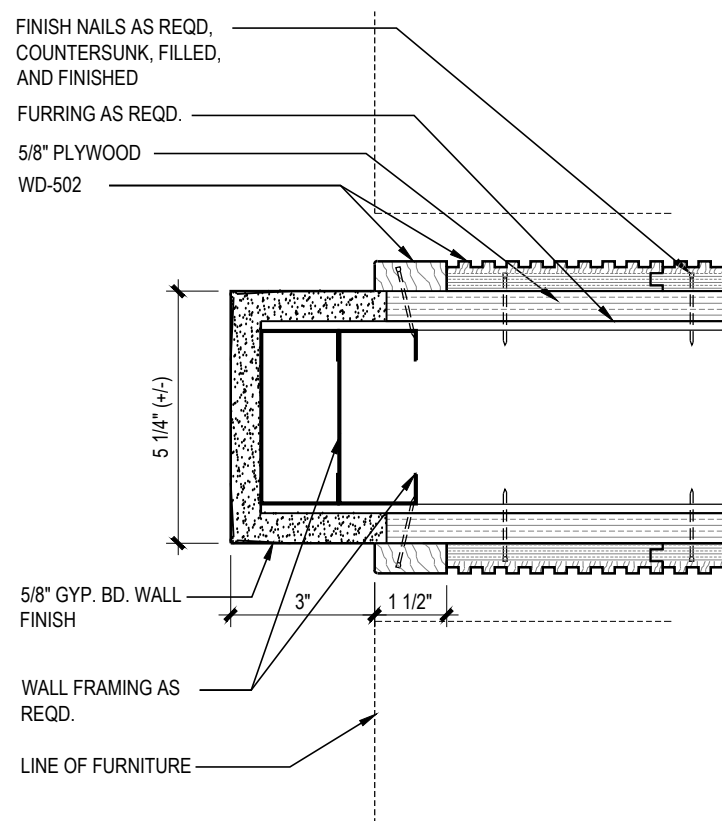
6  
A6.04  
3" = 1'-0"

BOOTH PARTITION AT  
STOREFRONT



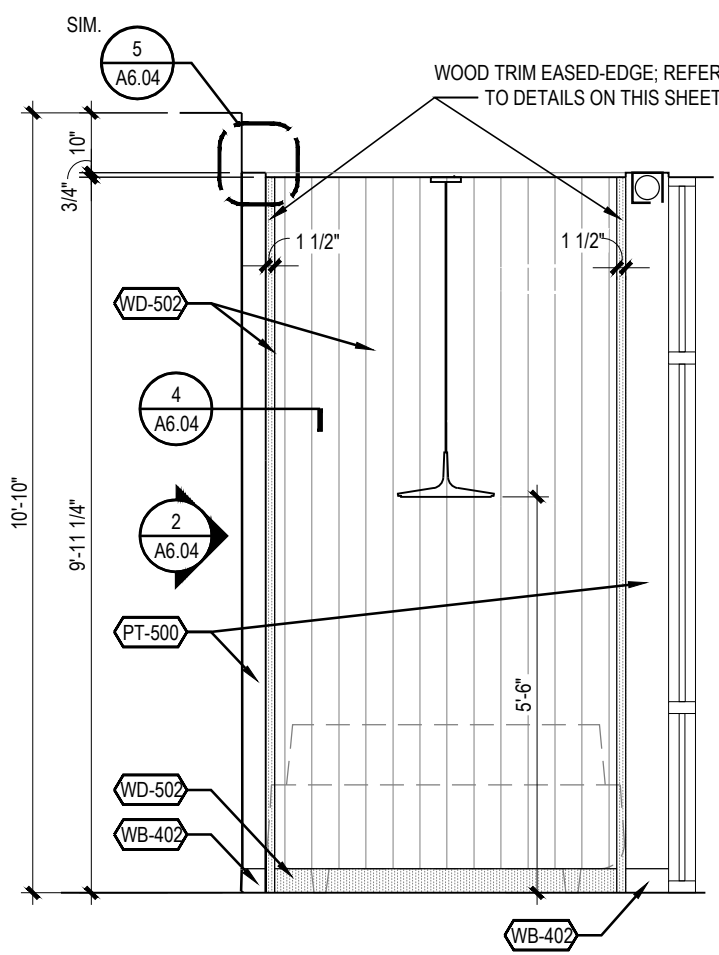
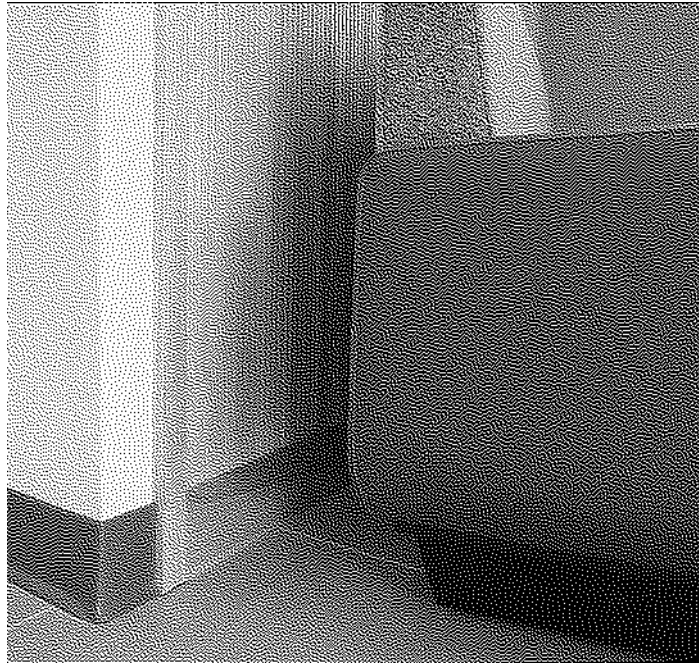
5  
A6.04  
3" = 1'-0"

BOOTH SOFFIT DETAIL



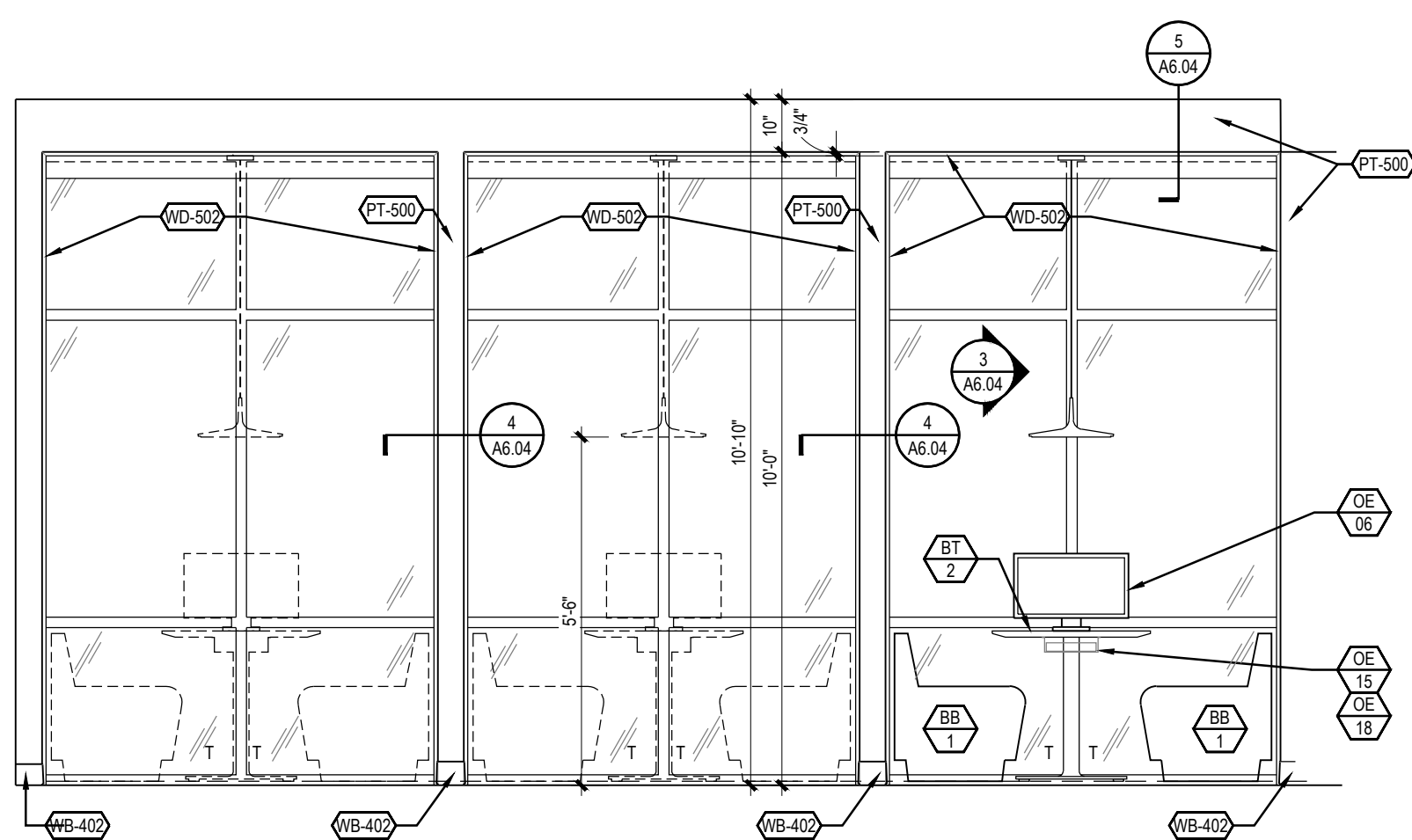
4  
A6.04  
3" = 1'-0"

BOOTH WALL DETAIL



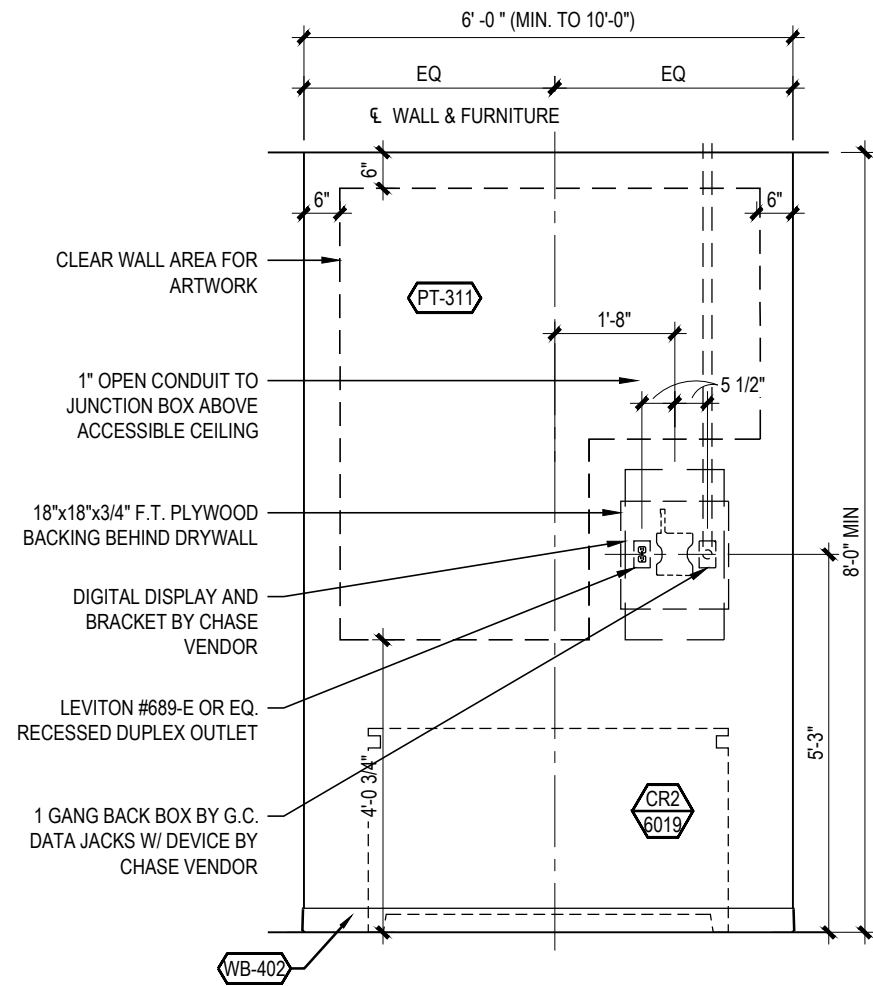
3  
A6.04  
3/8" = 1'-0"

BOOTH SEAT WALL ELEVATION



2  
A6.04  
3/8" = 1'-0"

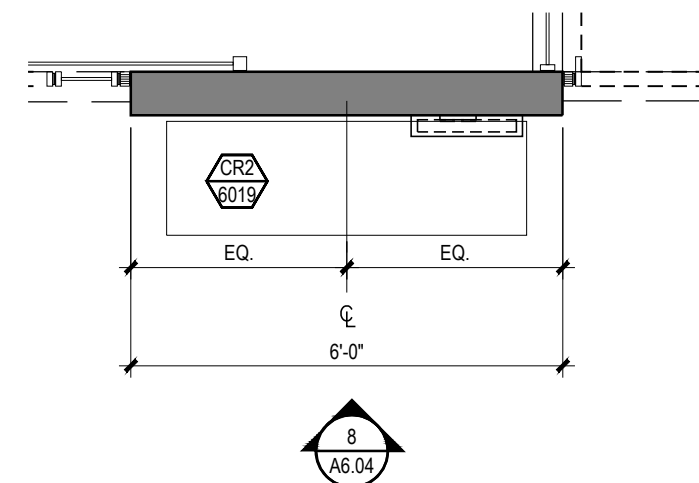
TYPICAL BOOTH ELEVATION



NOTE:  
GC TO CONFIRM MOUNTING HEIGHTS WITH  
CHASE TELECOMMUNICATIONS DRAWINGS

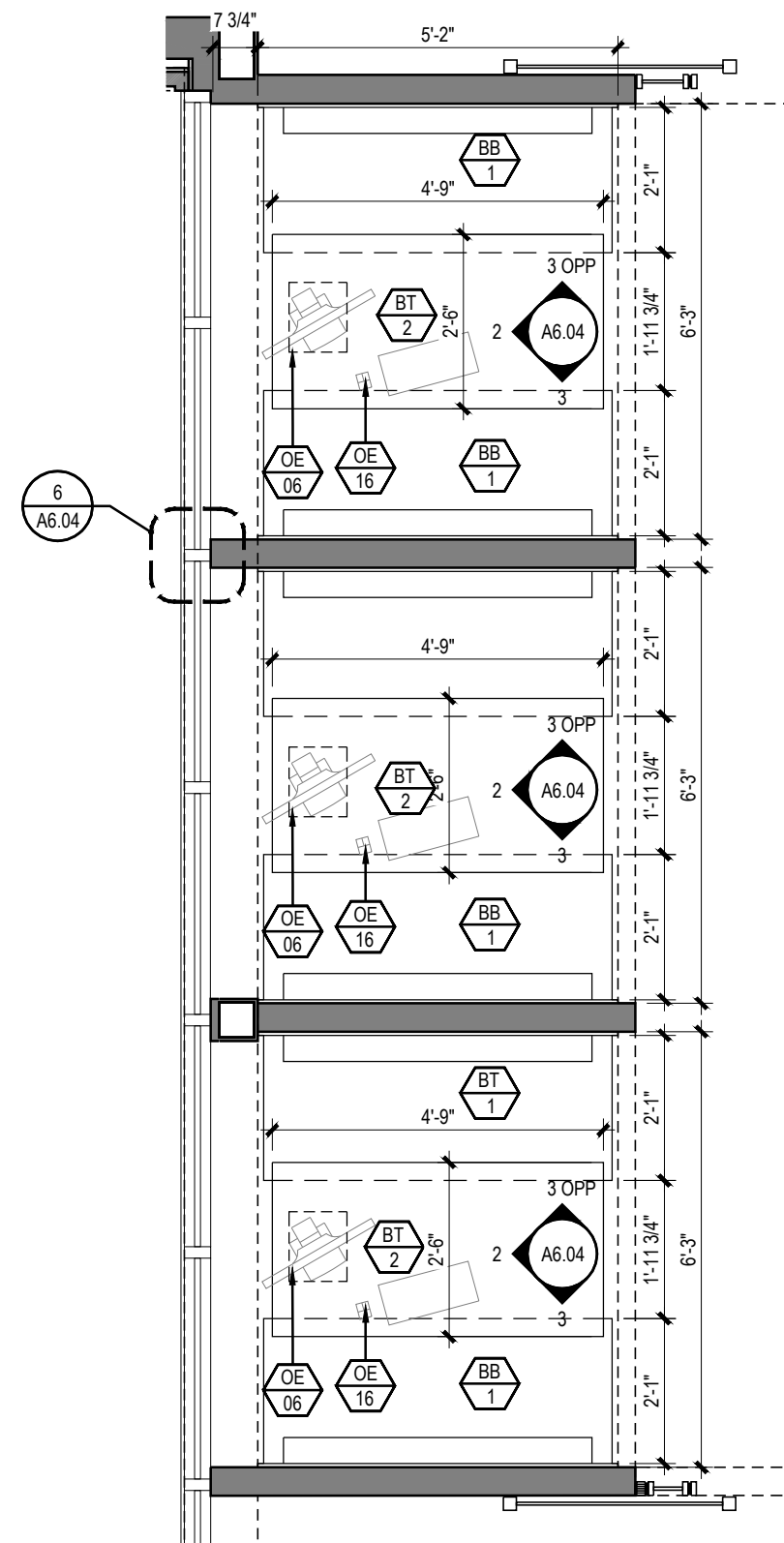
8  
A6.04  
3/8" = 1'-0"

COMMUNITY WALL ELEVATION



7  
A6.04  
3/8" = 1'-0"

ENLARGED COMMUNITY WALL PLAN



NOTE:  
1. SEE "FLOOR CONSTRUCTION PLANS" FOR ALL WALL, DOOR, & WINDOW TAGS.

1  
A6.04  
3/8" = 1'-0"

ENLARGED BOOTH PLAN & ELEVATION

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890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
6000 Chippewa Street Suite 200  
St. Louis, MO 63109  
314.843.4320  
www.core-states.com  
COA #: A-2014026908

ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504  
THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE  
SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL  
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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

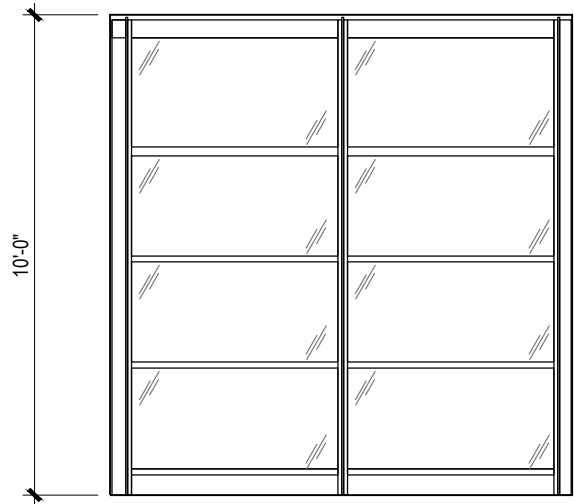
PROJECT INFORMATION  
PROJECT NO: JPM.27135.001  
DATE: 2020.12.21  
PROTOTYPE: 20.2  
DRAWN BY: C.THEBEAU  
CHECKED BY: B.LASURS  
VERSION: SE\_1.00

SHEET TITLE  
COMMUNITY WALL AND  
BOOTH:  
ENLARGED PLANS,  
ELEVATIONS, AND DETAILS

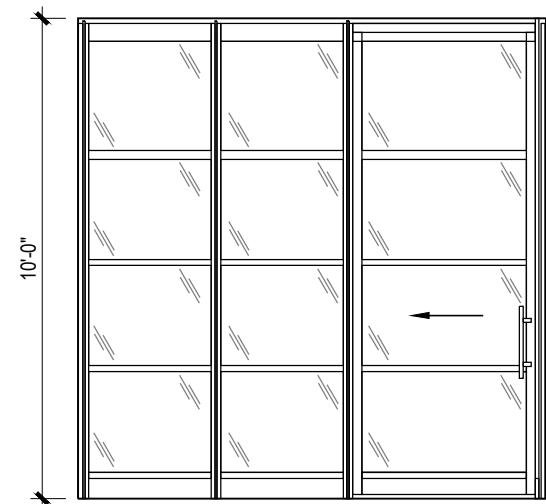
SHEET NUMBER

A6.04

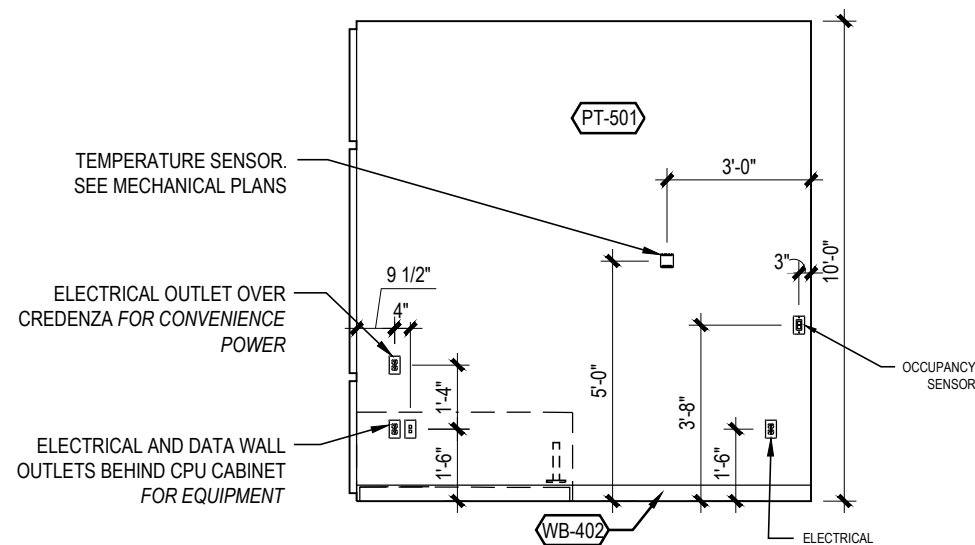




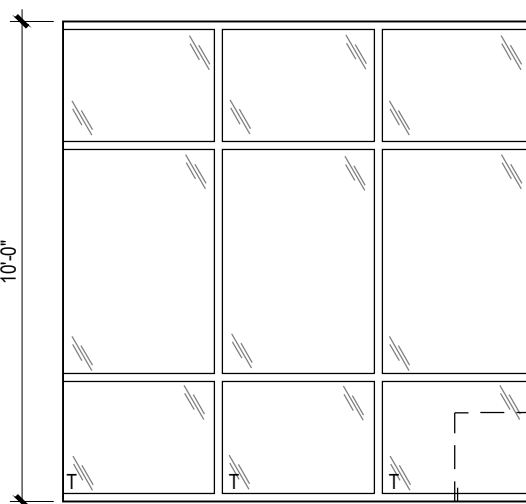
20  
A6.05 PCS 4 INTERIOR ELEVATION  
1/4" = 1'-0"



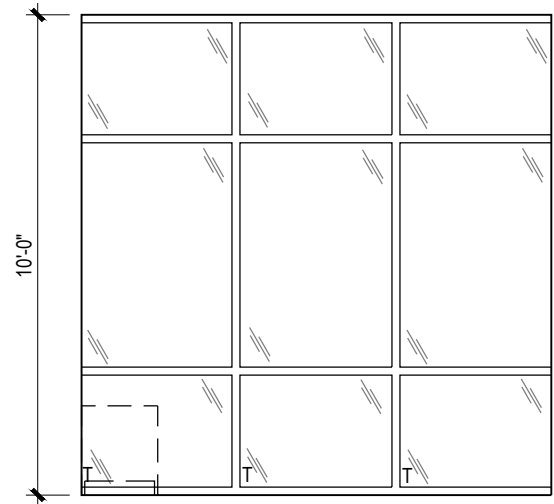
19  
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1/4" = 1'-0"



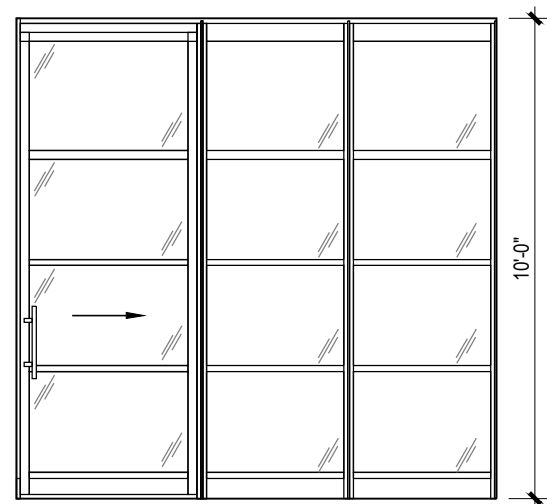
18  
A6.05 PCS 4 INTERIOR ELEVATION  
1/4" = 1'-0"



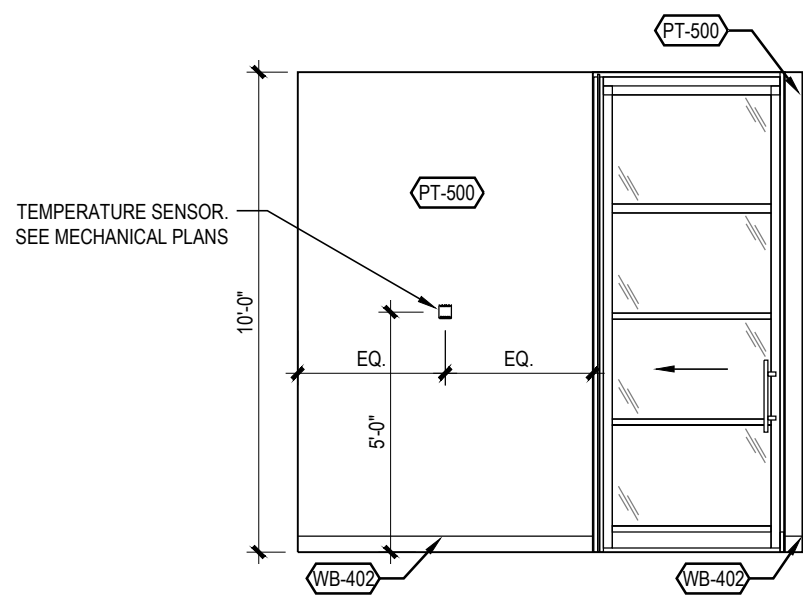
17  
A6.05 PCS 4 INTERIOR ELEVATION  
1/4" = 1'-0"



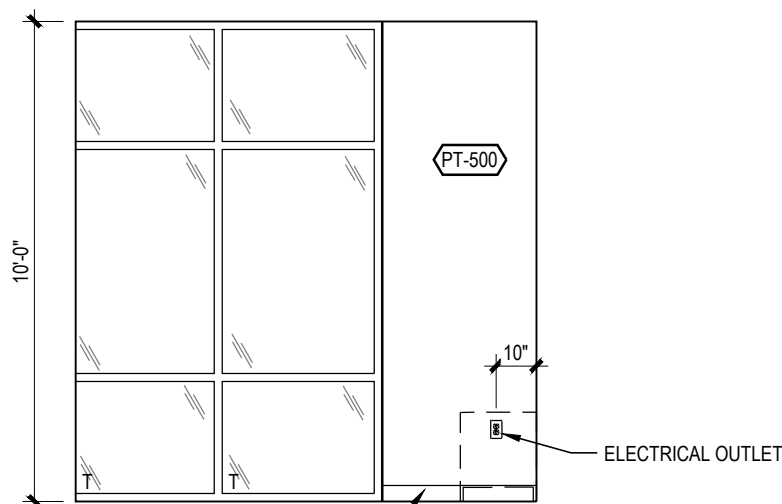
16  
A6.05 PCS 7 INTERIOR ELEVATION  
1/4" = 1'-0"



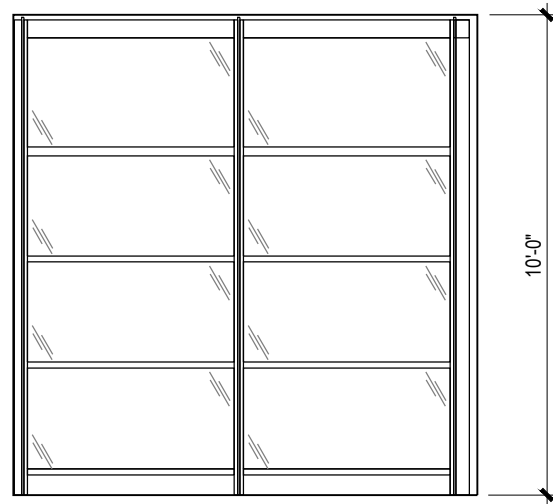
14  
A6.05 PCS 7 INTERIOR ELEVATION  
1/4" = 1'-0"



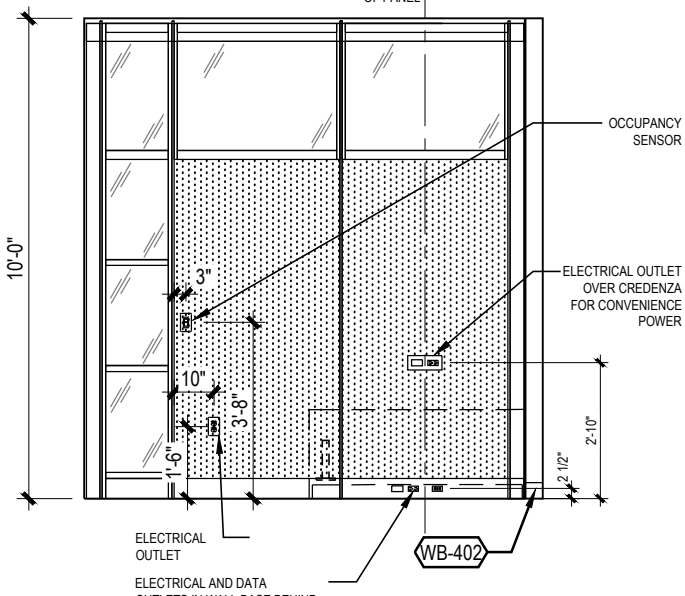
8  
A6.05 PCS 2 INTERIOR ELEVATION  
1/4" = 1'-0"



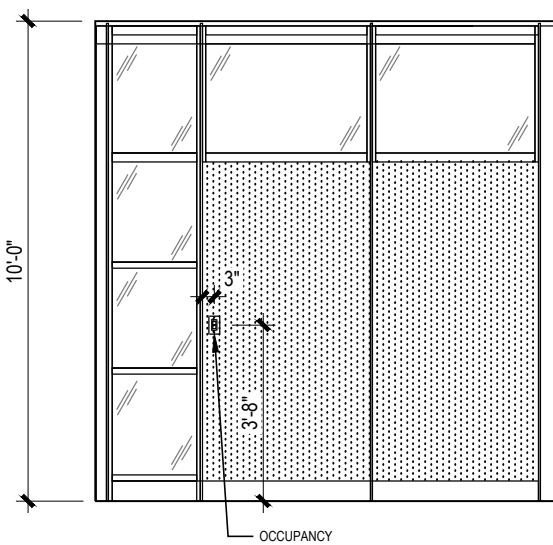
6  
A6.05 PCS 2 INTERIOR ELEVATION  
1/4" = 1'-0"



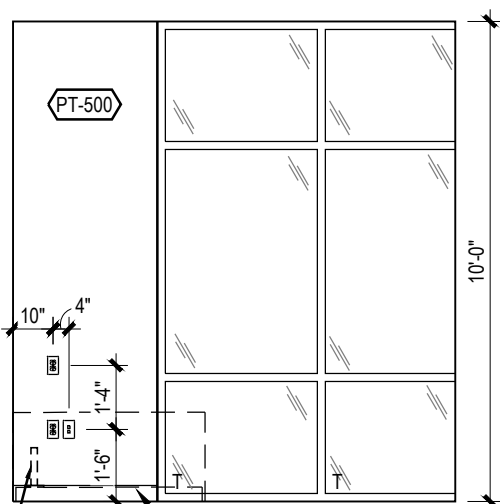
15  
A6.05 PCS 7 INTERIOR ELEVATION  
1/4" = 1'-0"



13  
A6.05 PCS 7 INTERIOR ELEVATION  
1/4" = 1'-0"



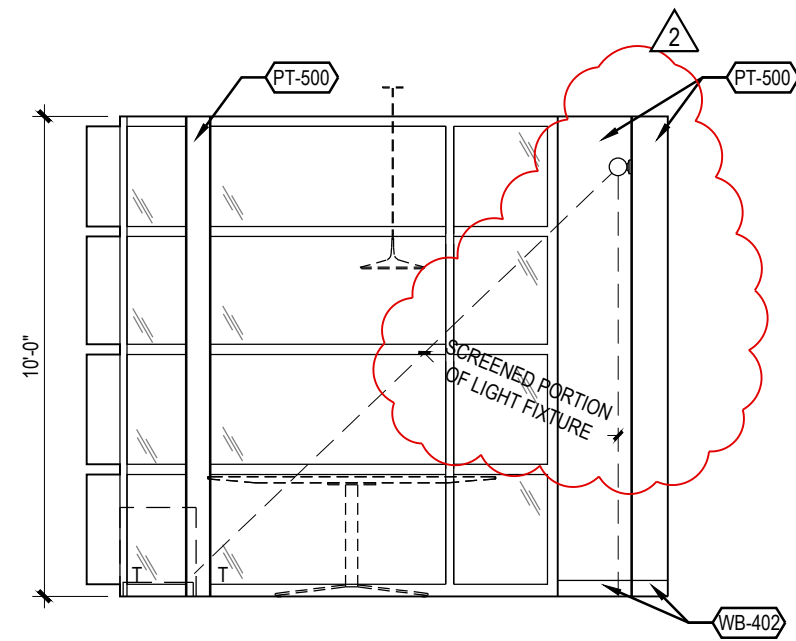
7  
A6.05 PCS 2 INTERIOR ELEVATION  
1/4" = 1'-0"



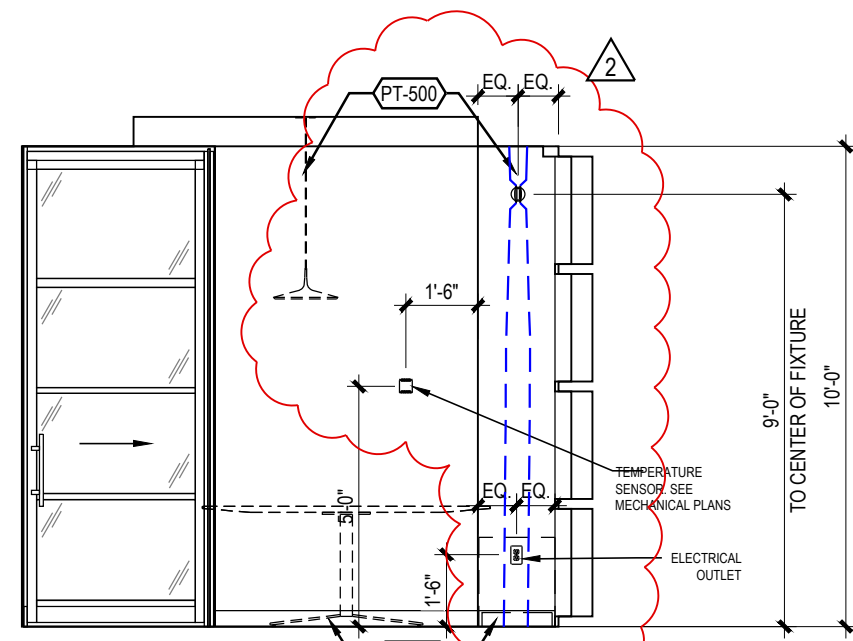
5  
A6.05 PCS 2 INTERIOR ELEVATION  
1/4" = 1'-0"

PRIVATE CONSULTATION SPACE (PCS 7)

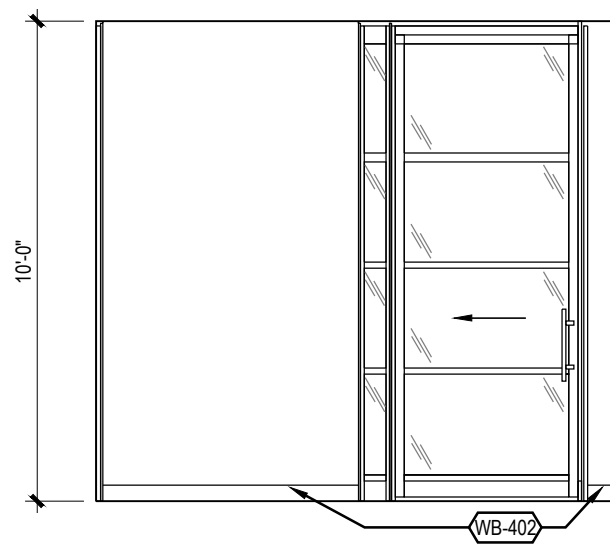
PRIVATE CONSULTATION SPACE (PCS 2)



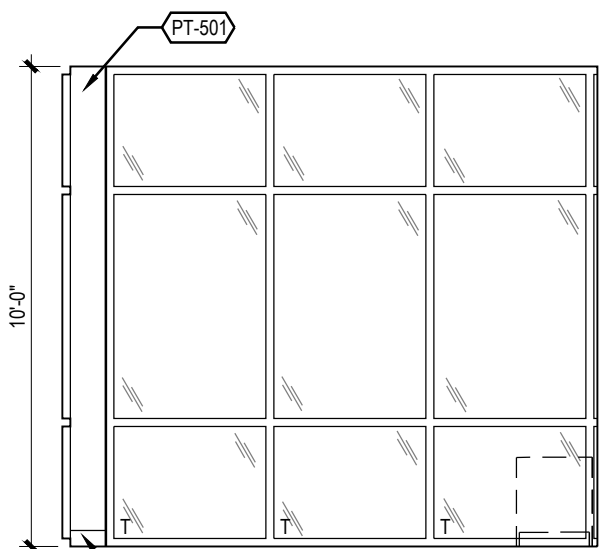
12  
A6.05 CONFERENCE ROOM  
INTERIOR ELEVATION  
1/4" = 1'-0"



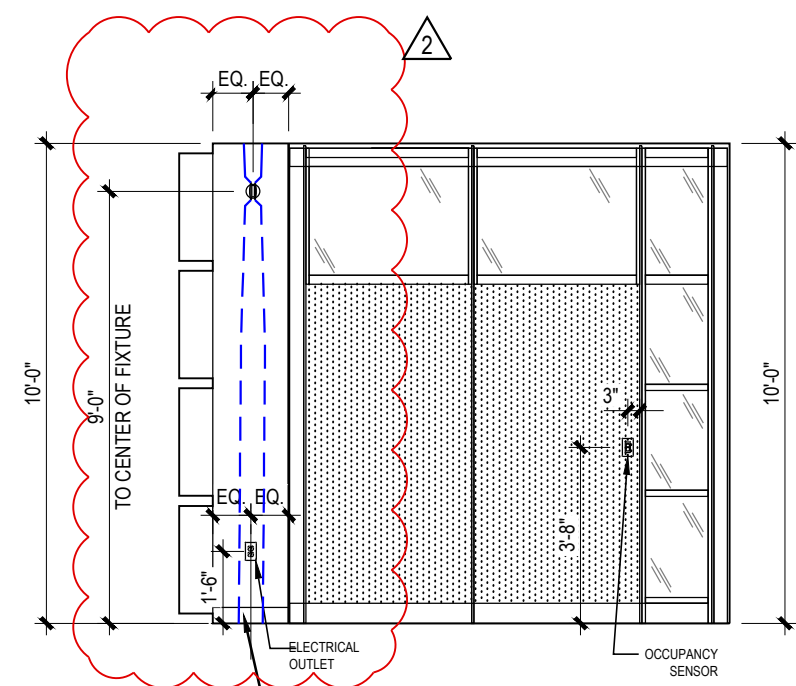
10  
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INTERIOR ELEVATION  
1/4" = 1'-0"



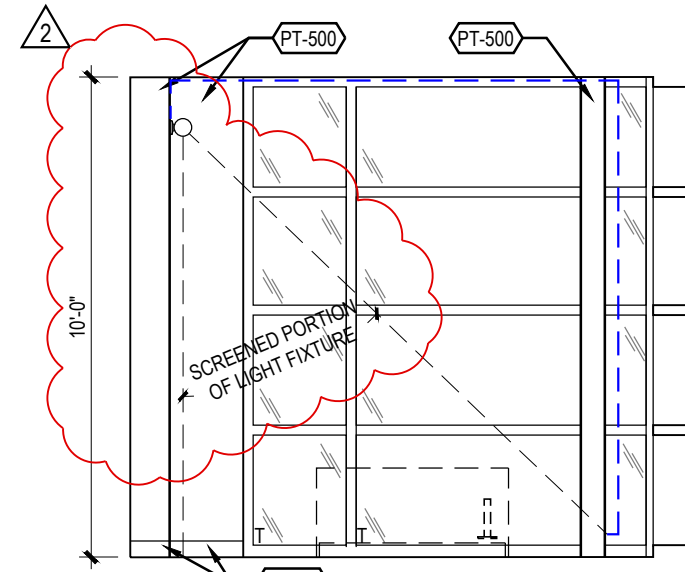
4  
A6.05 PCS 1 INTERIOR ELEVATION  
1/4" = 1'-0"



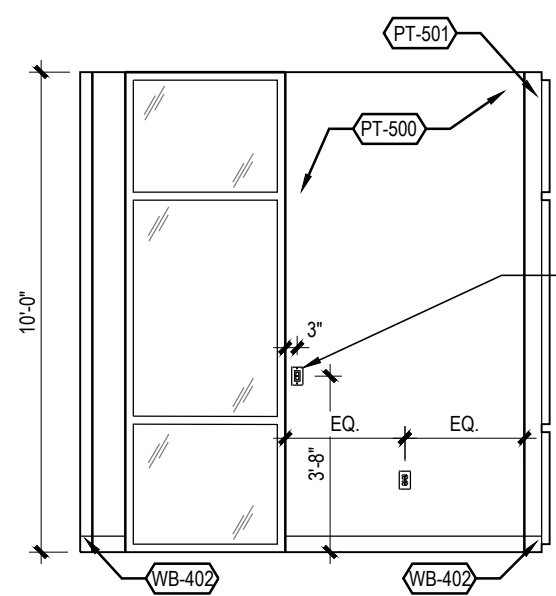
2  
A6.05 PCS 1 INTERIOR ELEVATION  
1/4" = 1'-0"



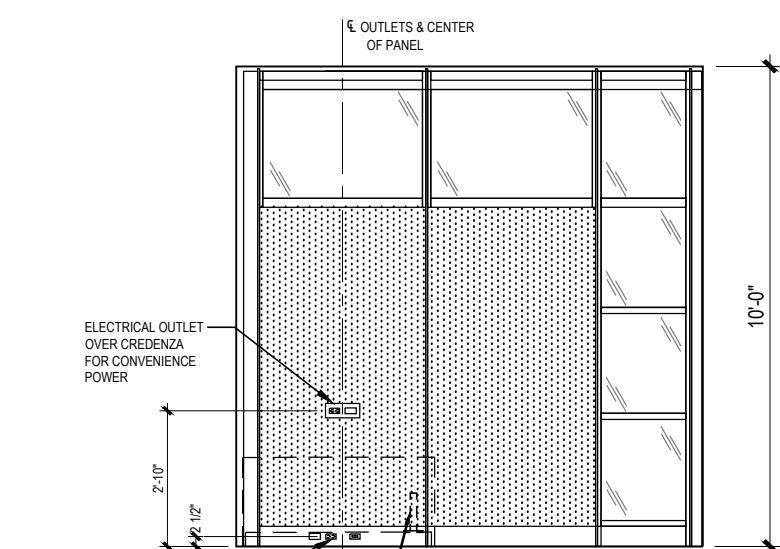
11  
A6.05 CONFERENCE ROOM  
INTERIOR ELEVATION  
1/4" = 1'-0"



9  
A6.05 CONFERENCE ROOM  
INTERIOR ELEVATION  
1/4" = 1'-0"



3  
A6.05 PCS 1 INTERIOR ELEVATION  
1/4" = 1'-0"



1  
A6.05 PCS 1 INTERIOR ELEVATION  
1/4" = 1'-0"

CONFERENCE ROOM

PRIVATE CONSULTATION SPACE (PCS 1)

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

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ARCHITECT OF RECORD



ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504  
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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

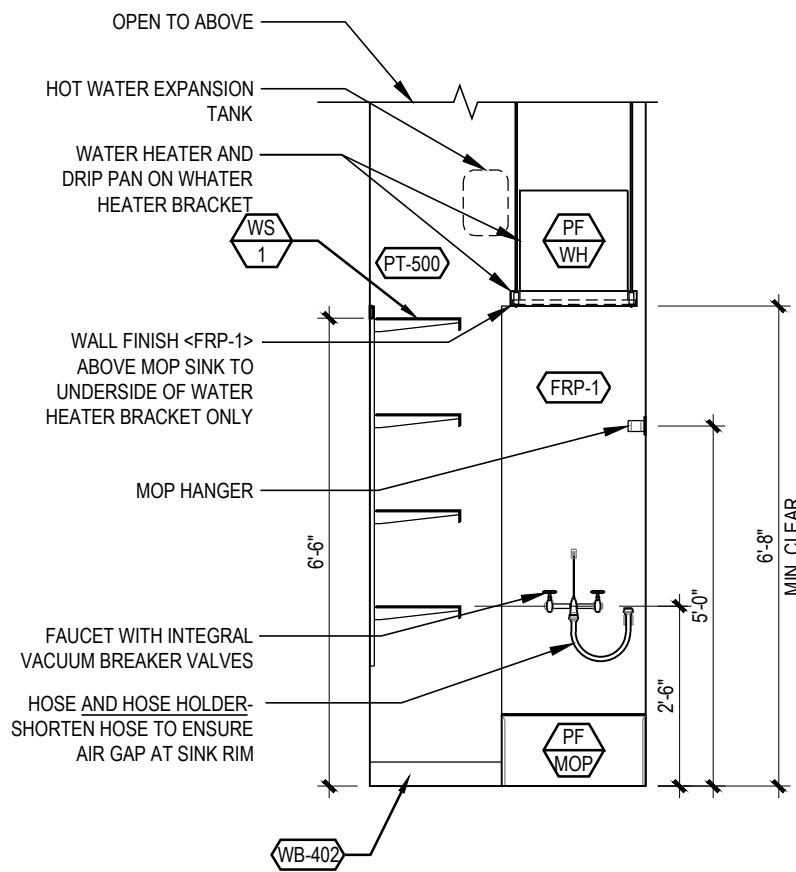
PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	C.THEBEAU
CHECKED BY:	B.LASURS
VERSION:	SE_1.00

SHEET TITLE  
PRIVATE CONSULTATION SPACE  
CONFERENCE ROOM:  
INTERIOR ELEVATIONS

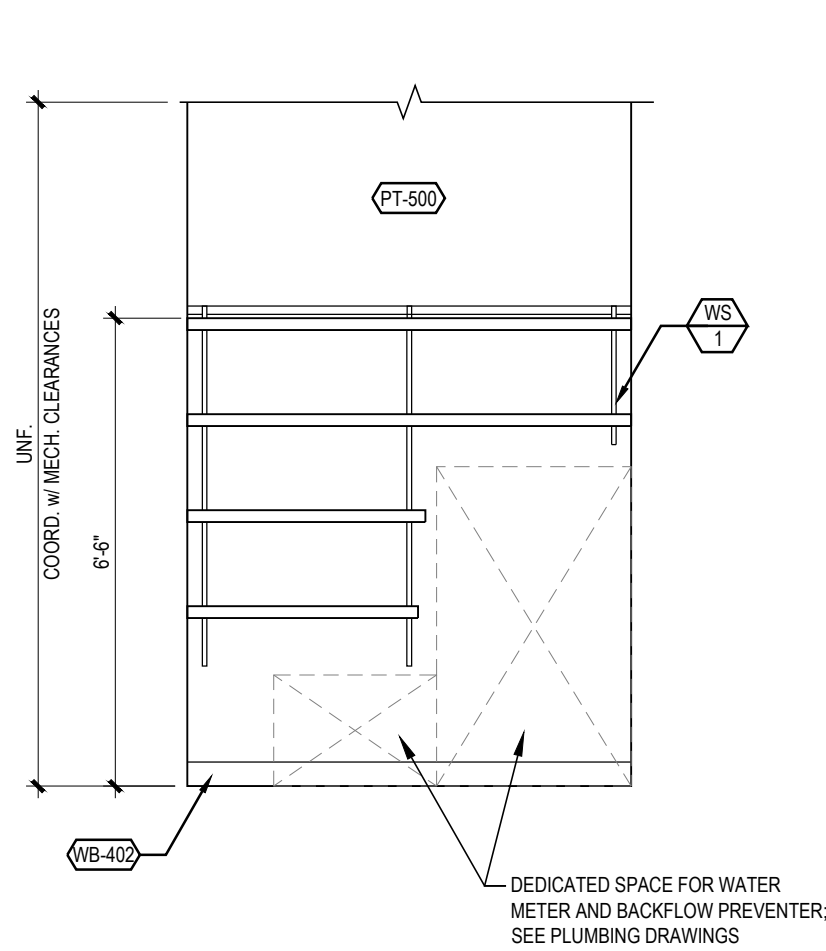
SHEET NUMBER

A6.05

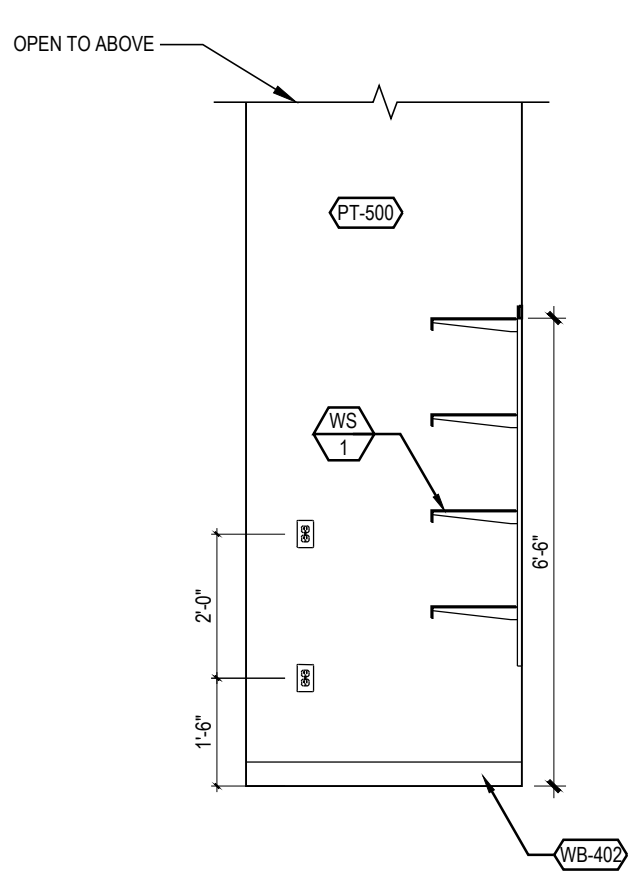




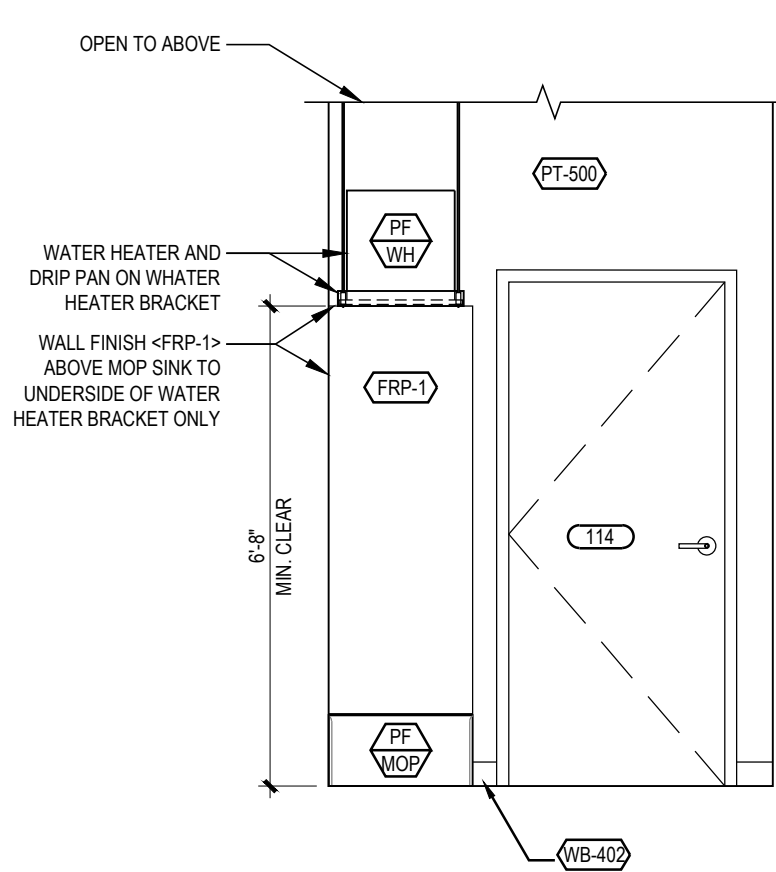
11 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"



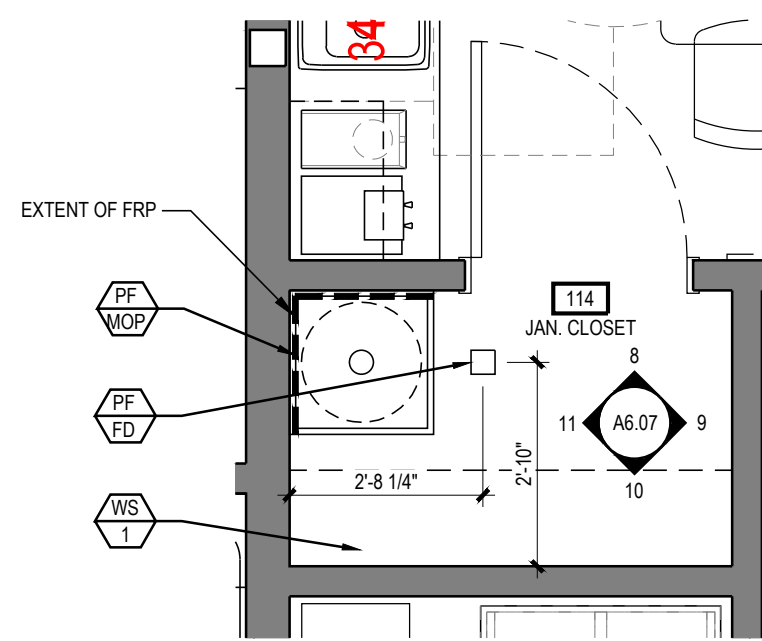
10 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"



9 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"

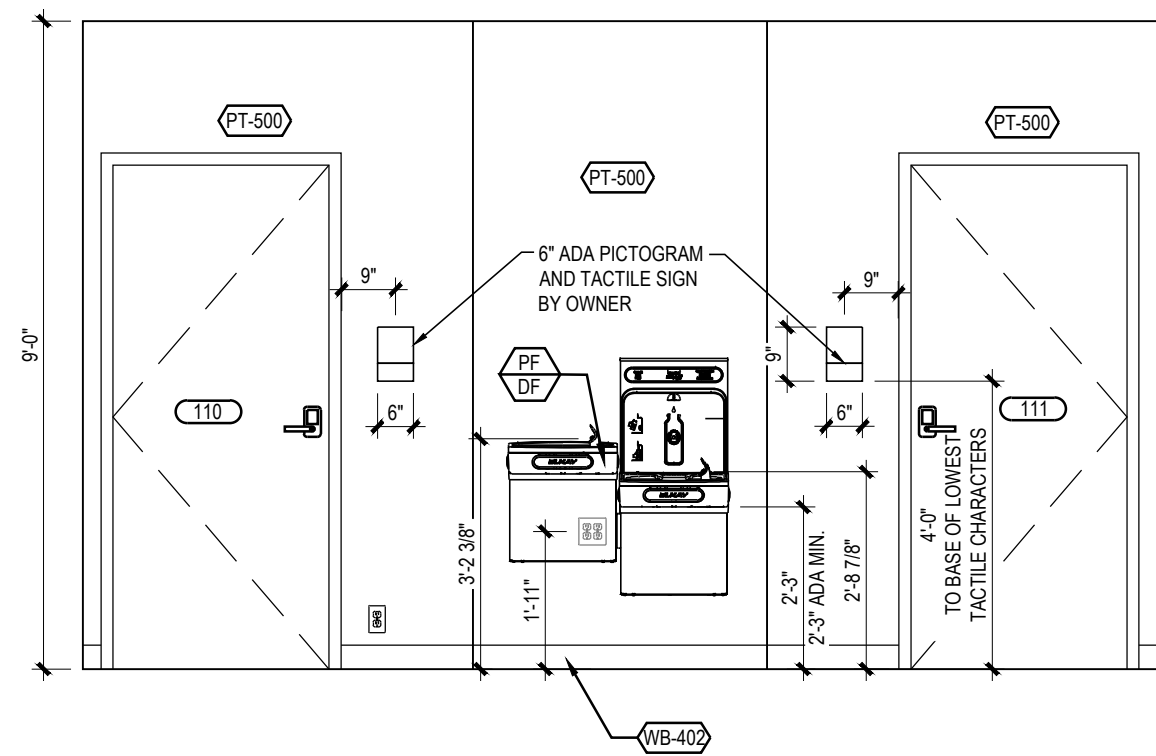


8 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"

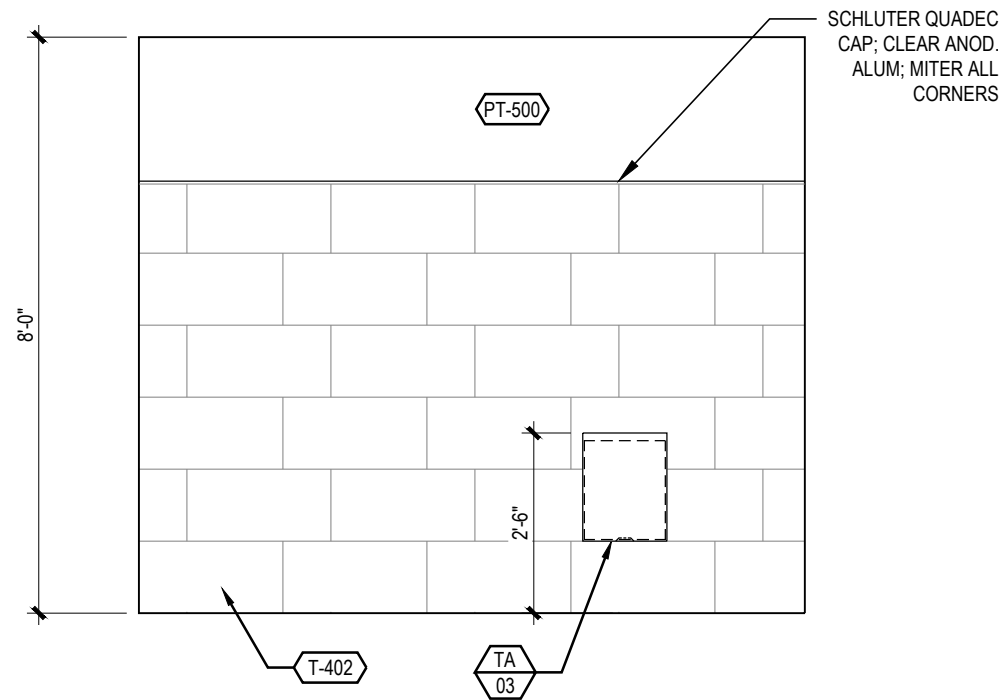


NOTE:  
1. SEE "FLOOR CONSTRUCTION PLANS" FOR ALL DOOR & WINDOW TAGS.

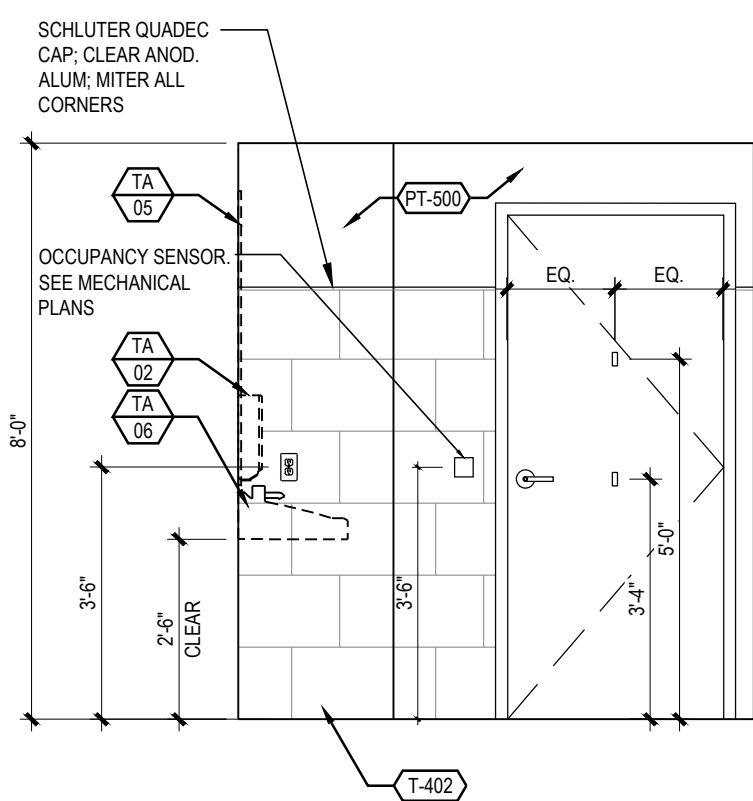
7 ENLARGED JANITOR CLOSET PLAN  
A6.07 3/8" = 1'-0"



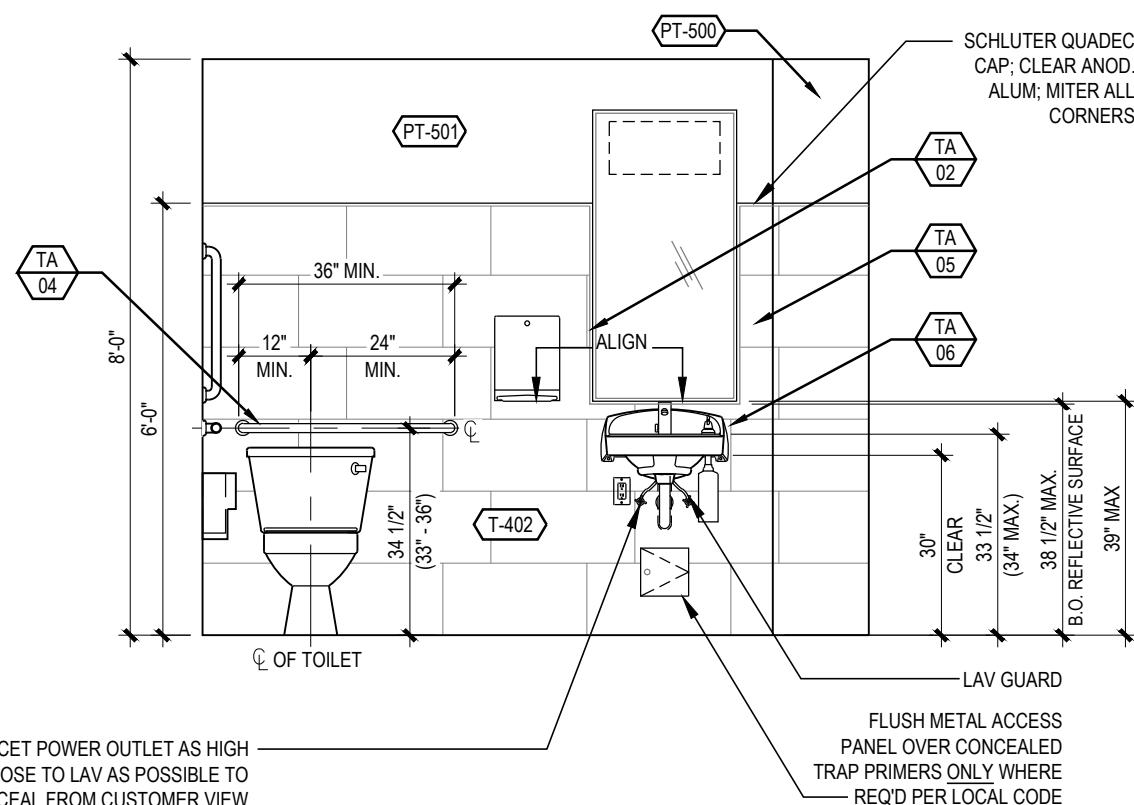
6 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"



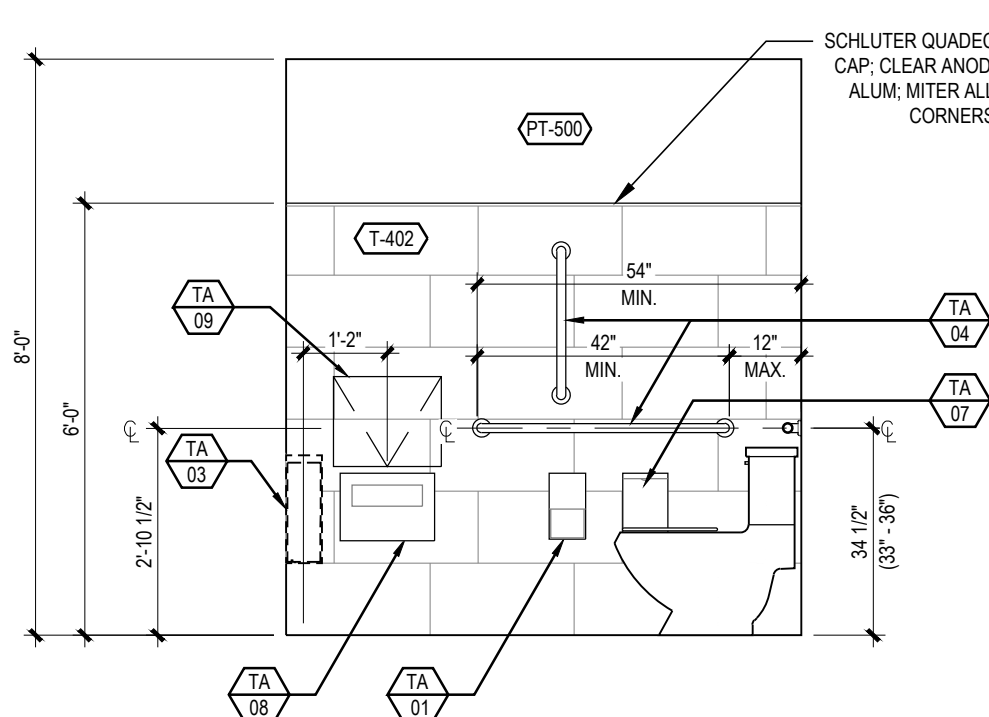
5 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"



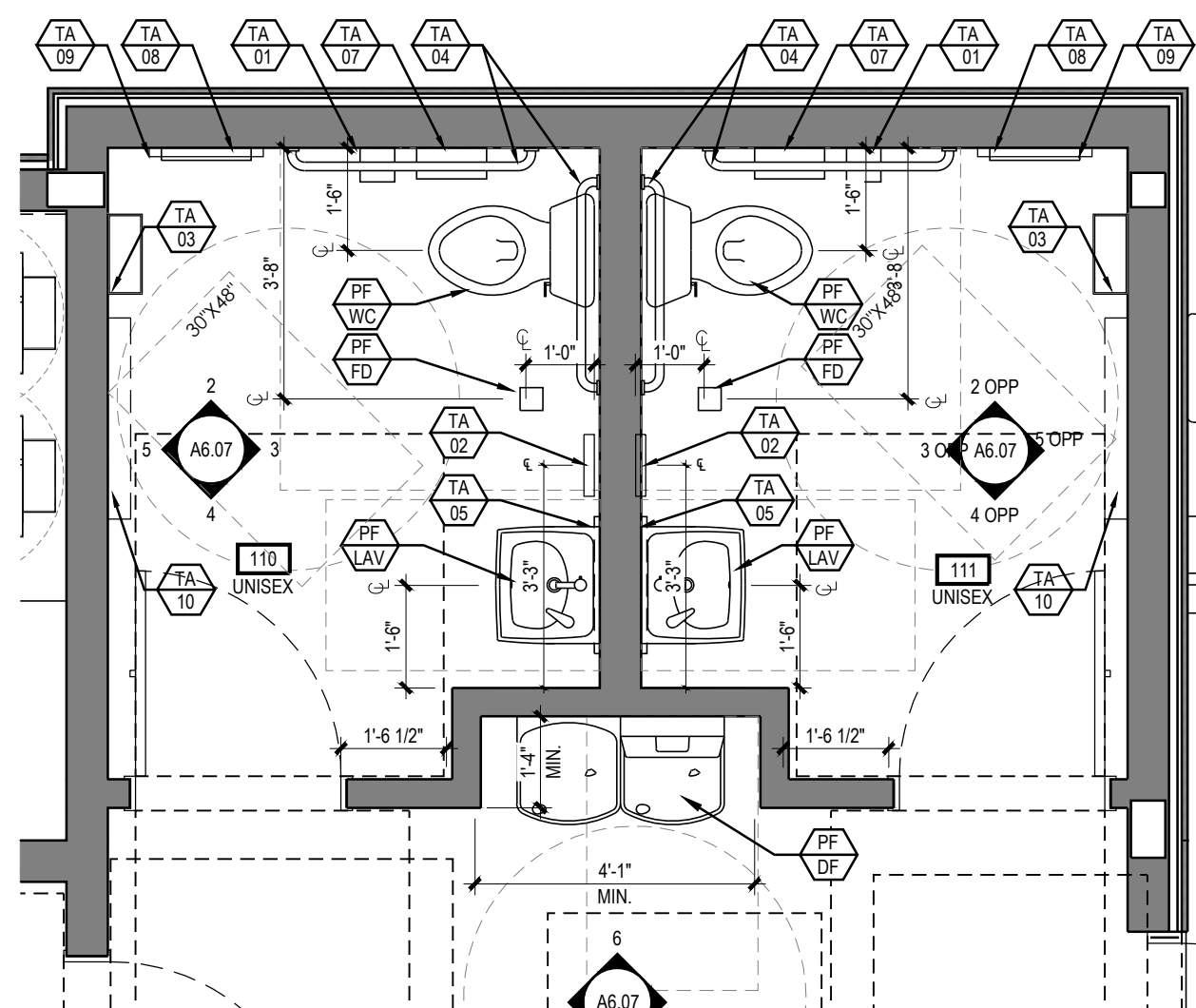
4 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"



3 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"



2 INTERIOR ELEVATION  
A6.07 3/8" = 1'-0"



NOTE:  
1. SEE "FLOOR CONSTRUCTION PLANS" FOR ALL DOOR & WINDOW TAGS.

1 ENLARGED RESTROOM PLANS  
A6.07 3/8" = 1'-0"

JANITOR CLOSET

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
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LEE'S SUMMIT, MISSOURI  
08/13/2021

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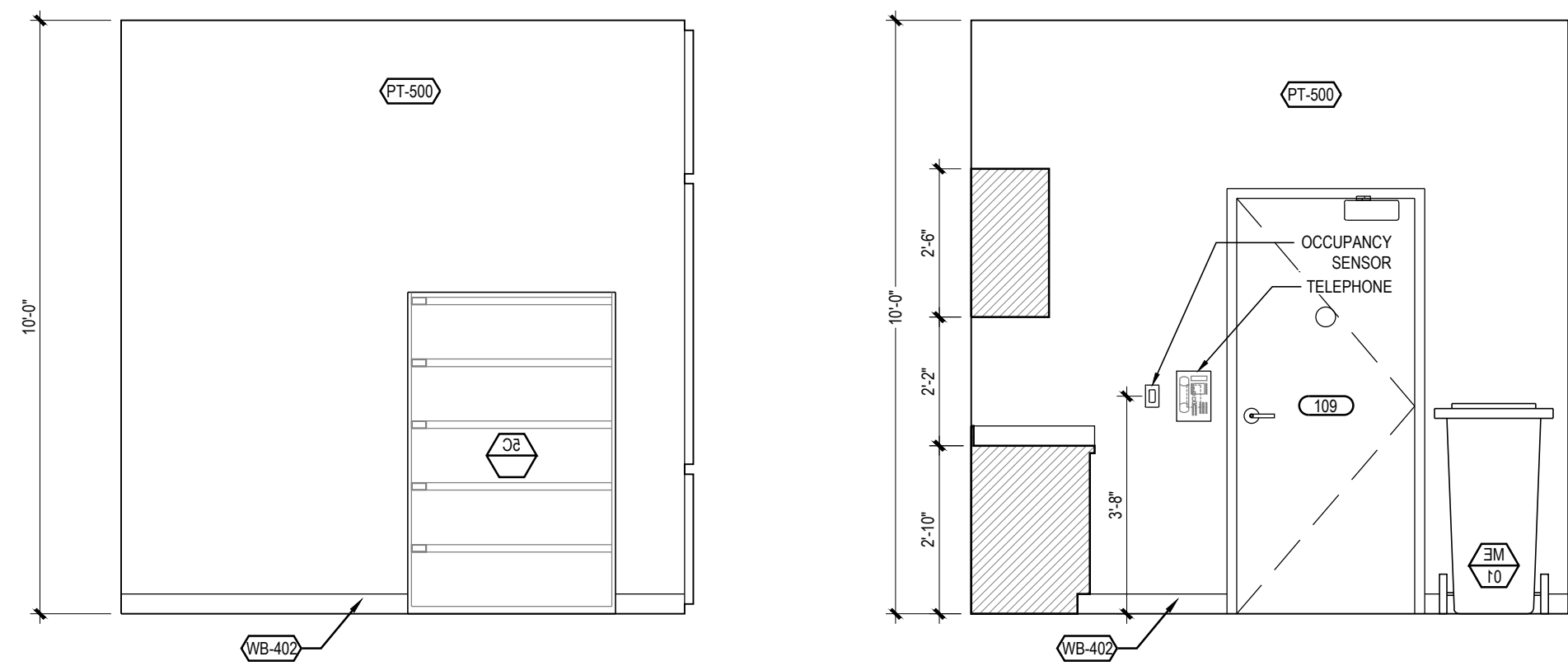
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COA #: A-2014026908  
ARCHITECT OF RECORD

STATE OF MISSOURI  
ROBERT BRUCE LASURS  
JANUARY 08, 2021  
NUMBER  
A-7504  
ARCHITECT  
ARCHITECT: R. BRUCE LASURS  
LICENSE NUMBER: 007504

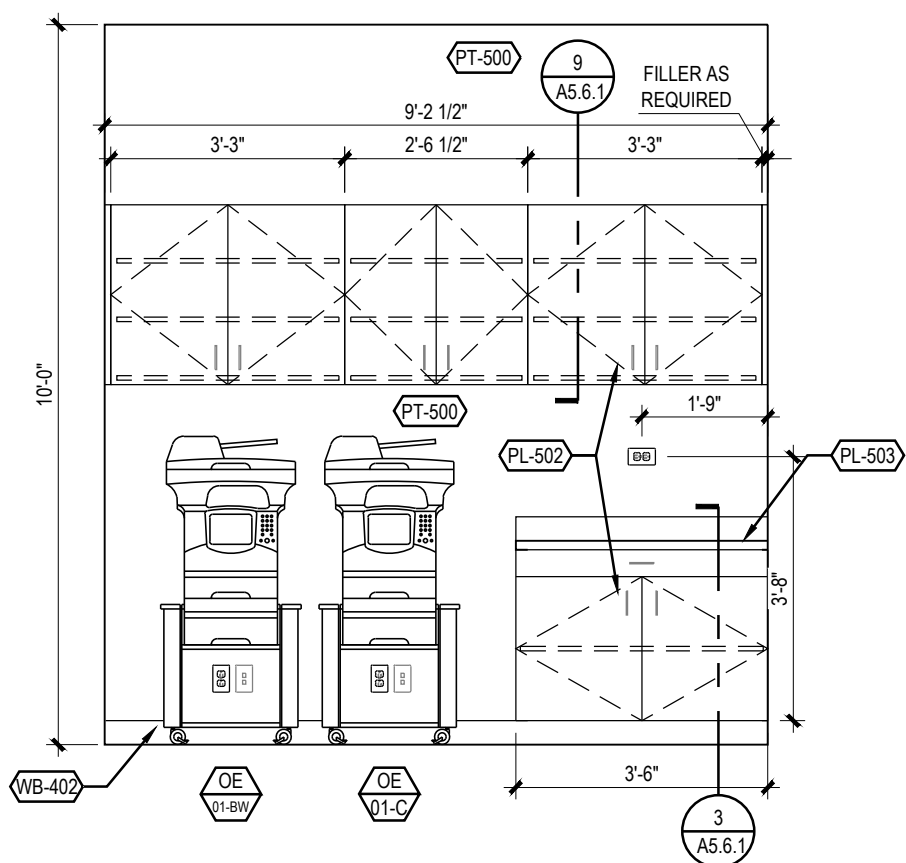
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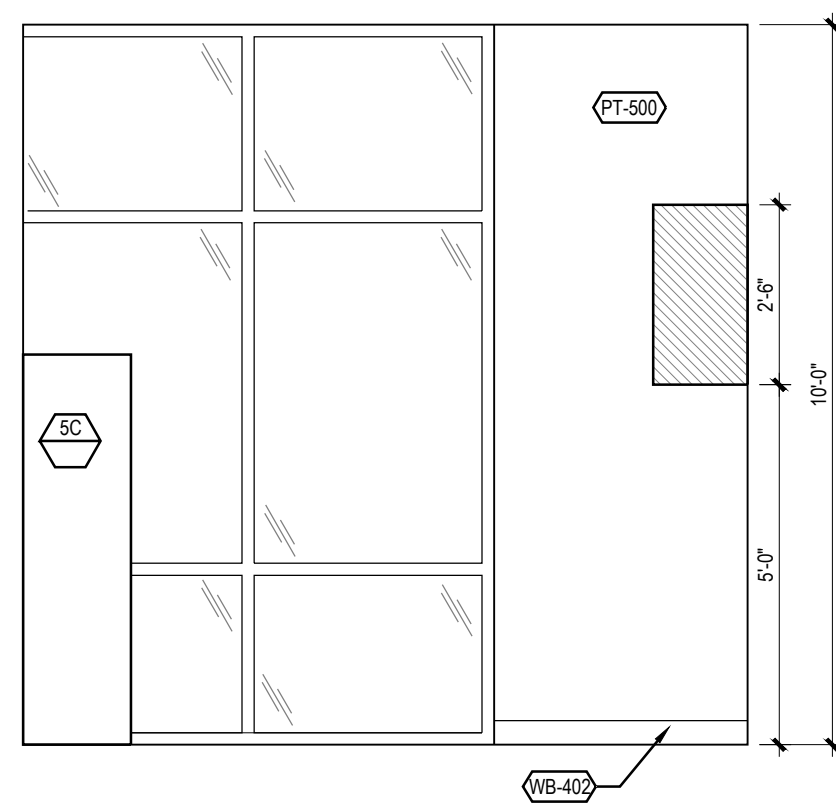


10 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"

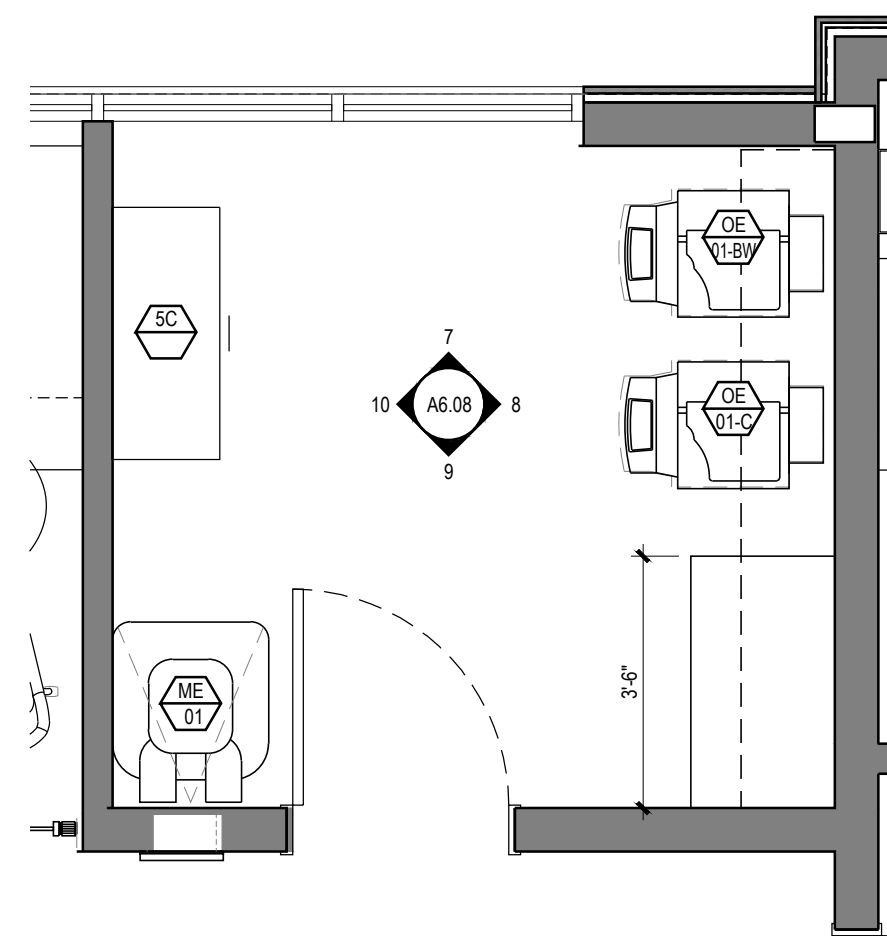
9 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"



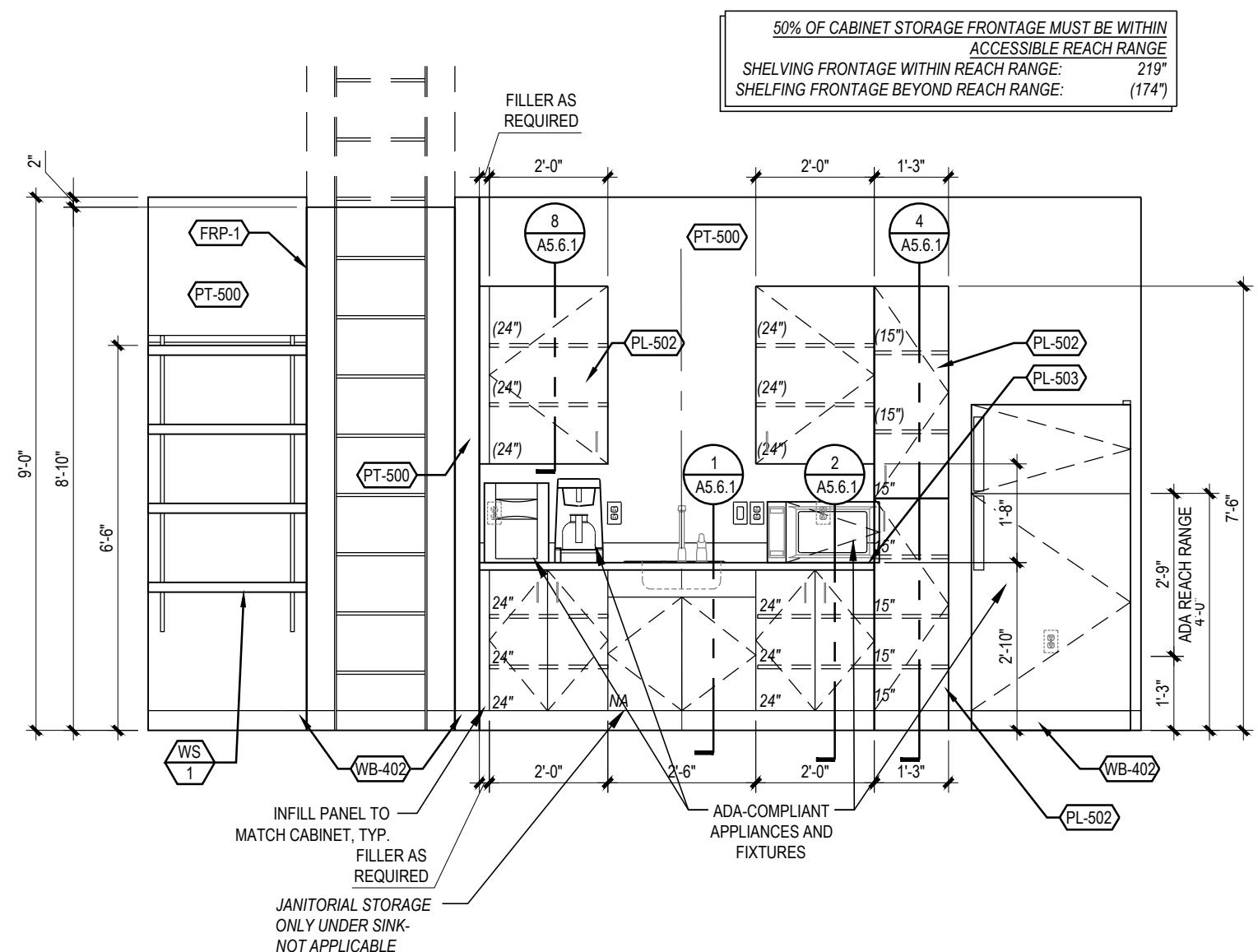
8 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"



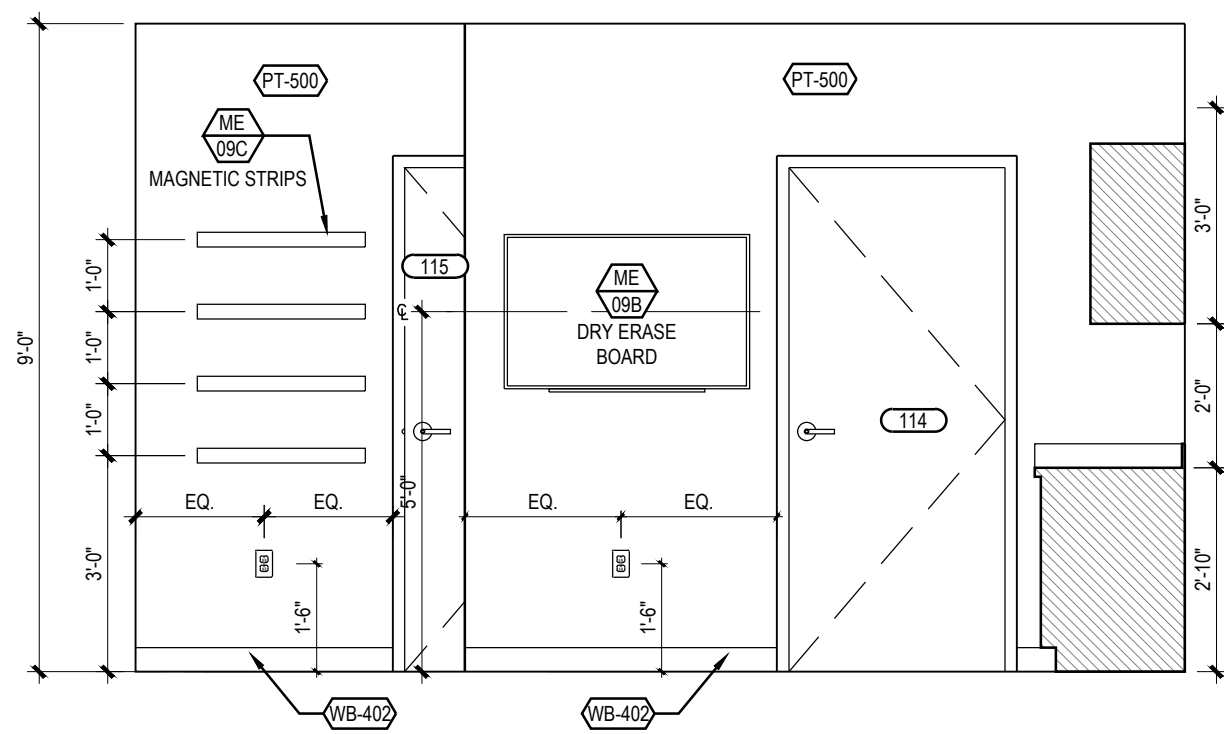
7 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"



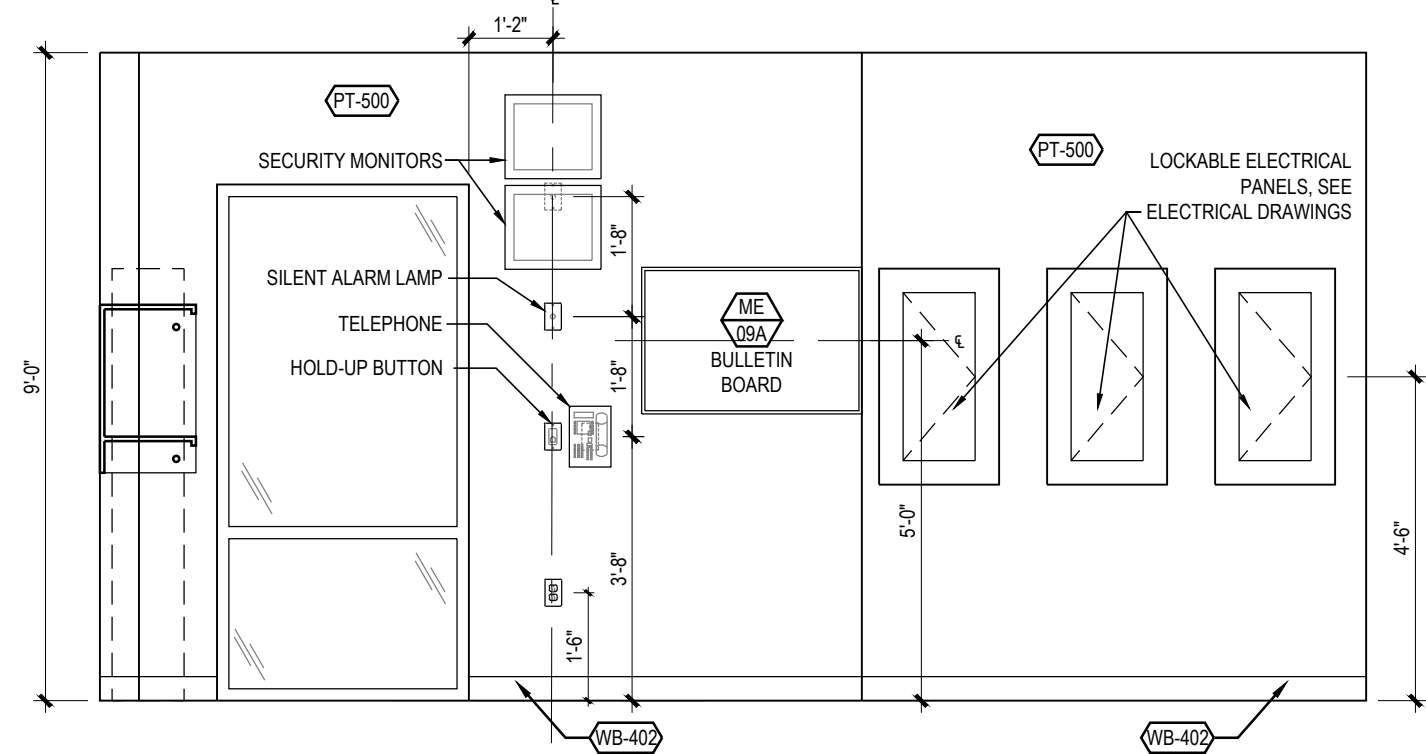
6 ENLARGED PRINT/FILE ROOM PLAN  
A6.08 3/8" = 1'-0"



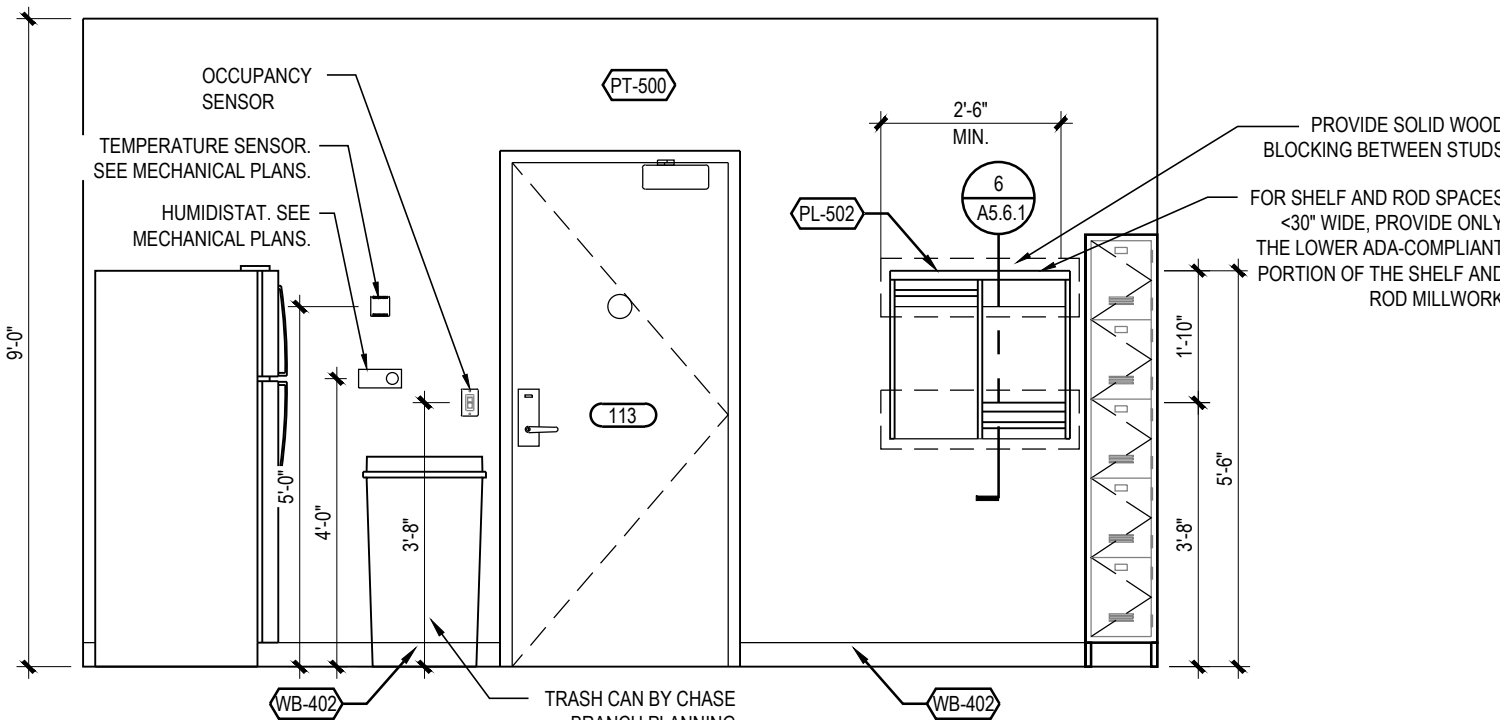
5 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"



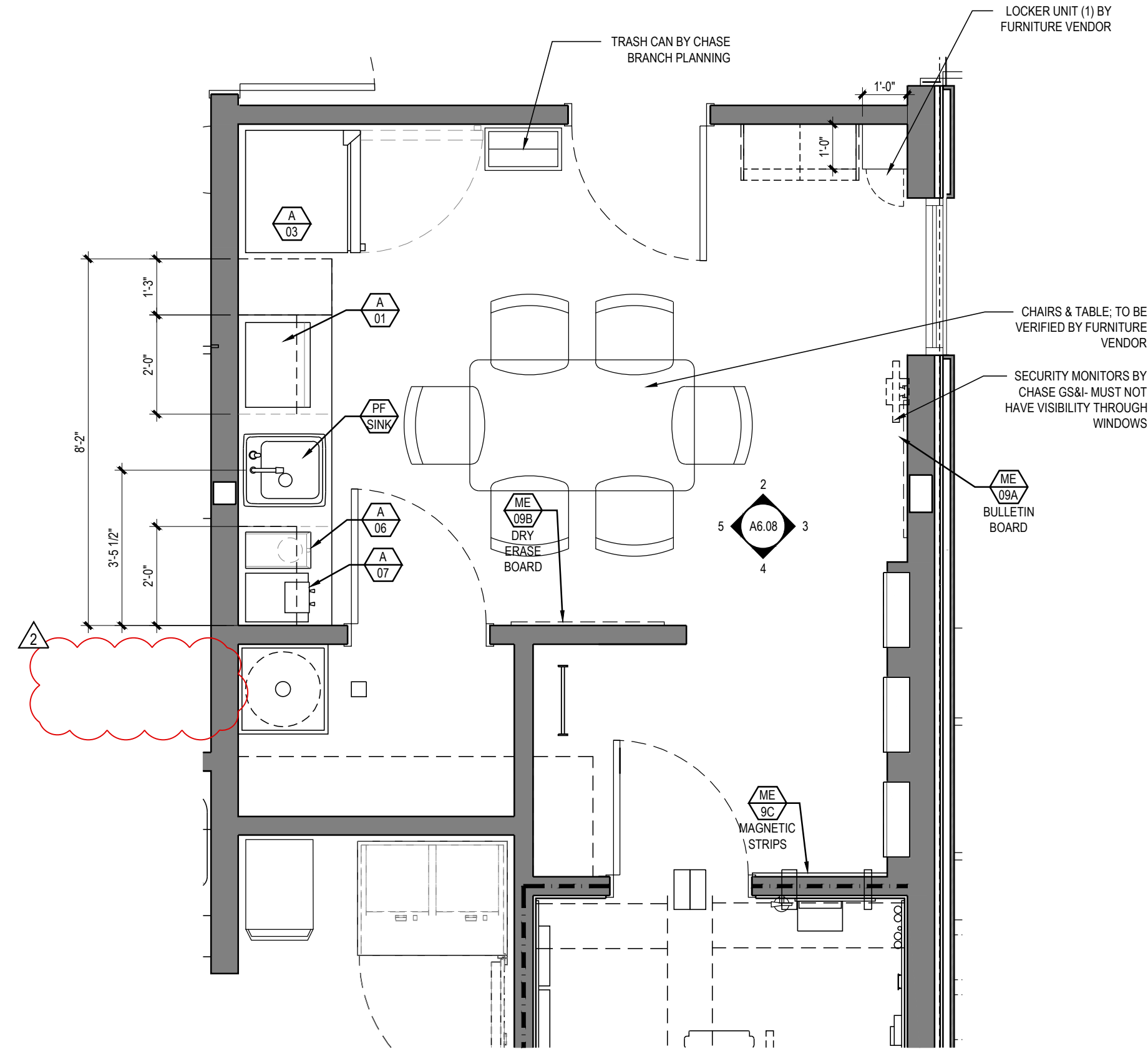
4 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"



3 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"



2 INTERIOR ELEVATION  
A6.08 3/8" = 1'-0"



NOTE:  
1. SEE "FLOOR CONSTRUCTION PLANS" FOR ALL WALL, DOOR & WINDOW TAGS.  
2. ALL FURNITURE TO BE VERIFIED BY CLIENT & FURNITURE VENDOR.

1 ENLARGED LOUNGE PLAN  
A6.08 3/8" = 1'-0"

FILE & PRINTER ROOM

LOUNGE

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

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PROJECT INFORMATION

PROJECT NO: JPM.27135.001  
DATE: 2020.12.21  
PROTOTYPE: 20.2  
DRAWN BY: C.THEBEAU  
CHECKED BY: B.LASURS  
VERSION: SE\_1.00

SHEET TITLE

LOUNGE, FILE, AND  
PRINTER ROOM:  
ENLARGED PLANS AND  
INTERIOR ELEVATIONS

SHEET NUMBER

A6.08





ISSUE	DATE	DESCRIPTION
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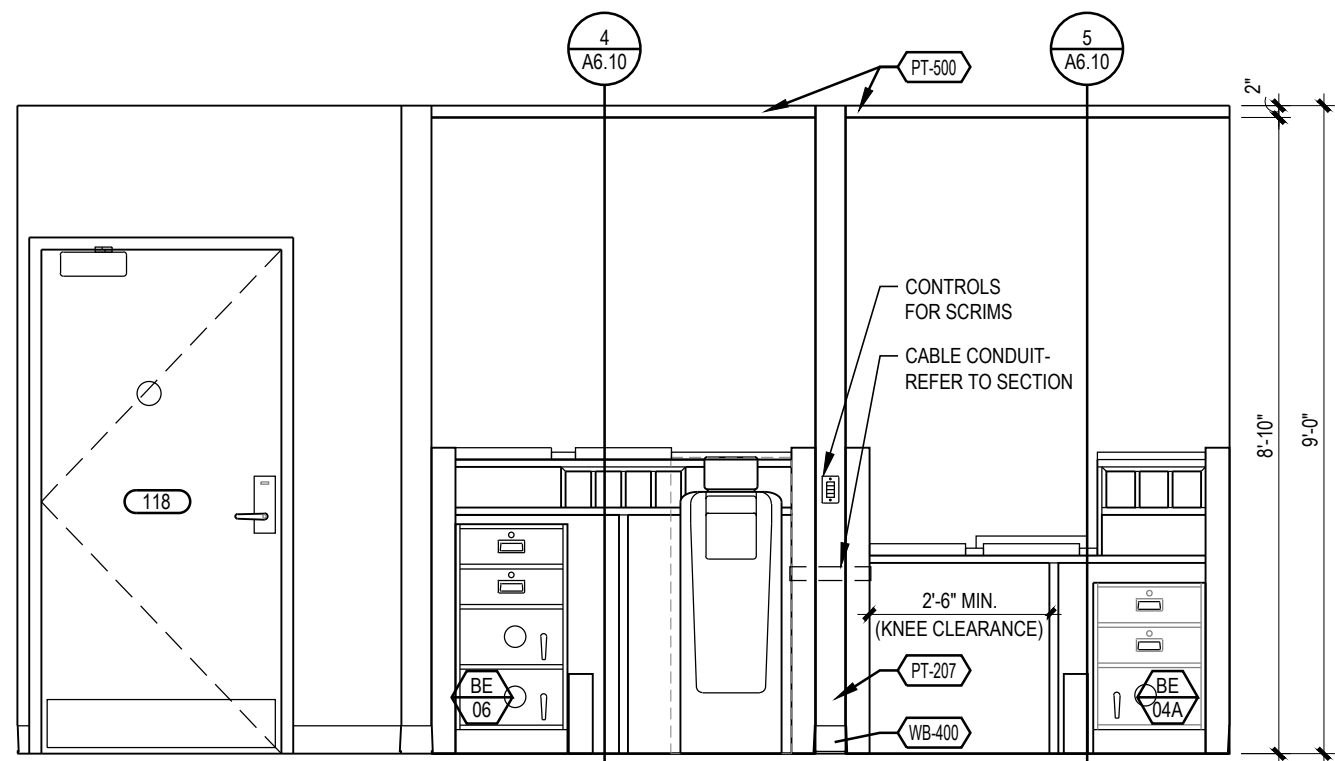
PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	C.THEBEAU	
CHECKED BY:	B.LASURS	
VERSION:	SE_1.00	

SHEET TITLE

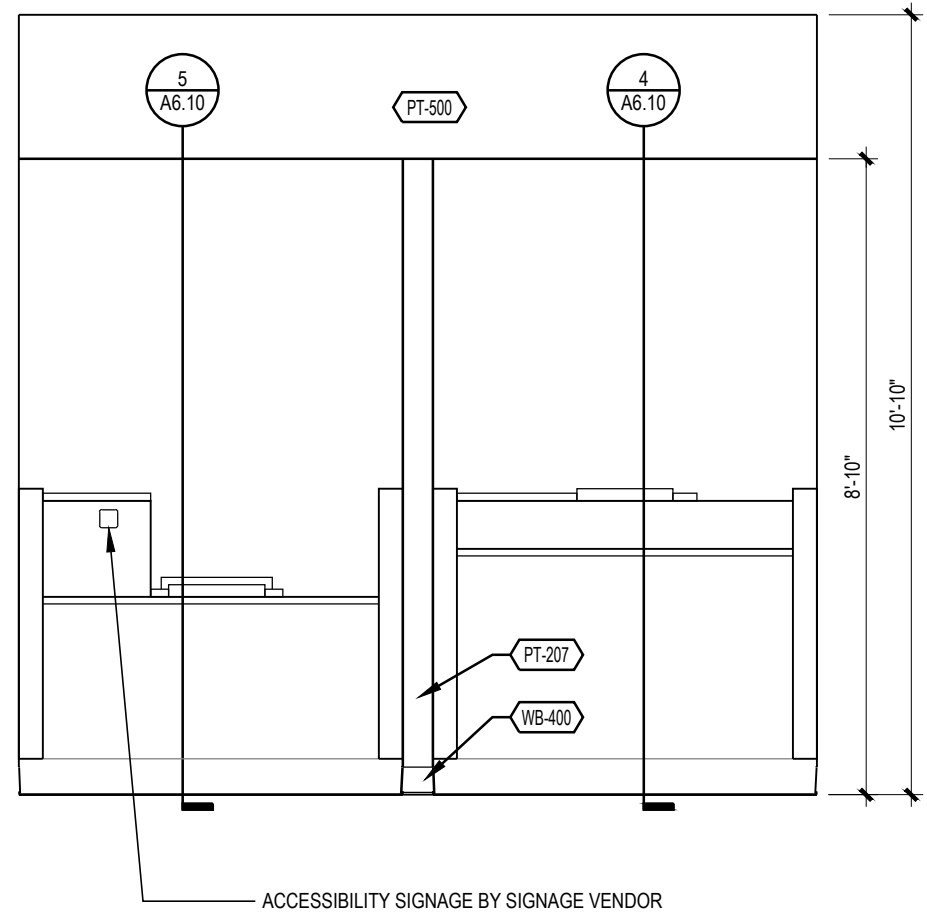
MANUAL TRANSACTION:  
ENLARGED PLAN, INTERIOR  
ELEVATIONS, AND DETAILS

SHEET NUMBER

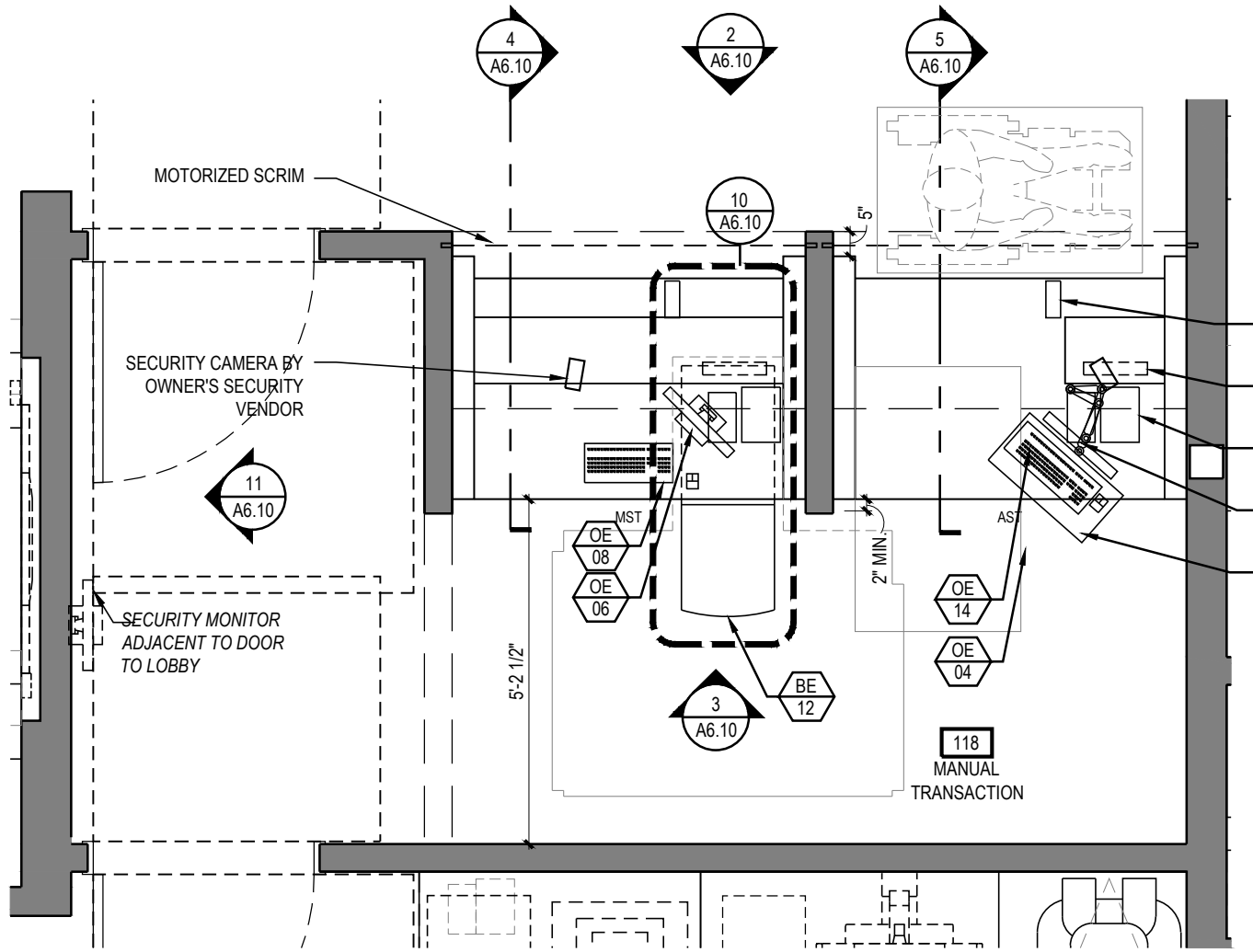
A6.10



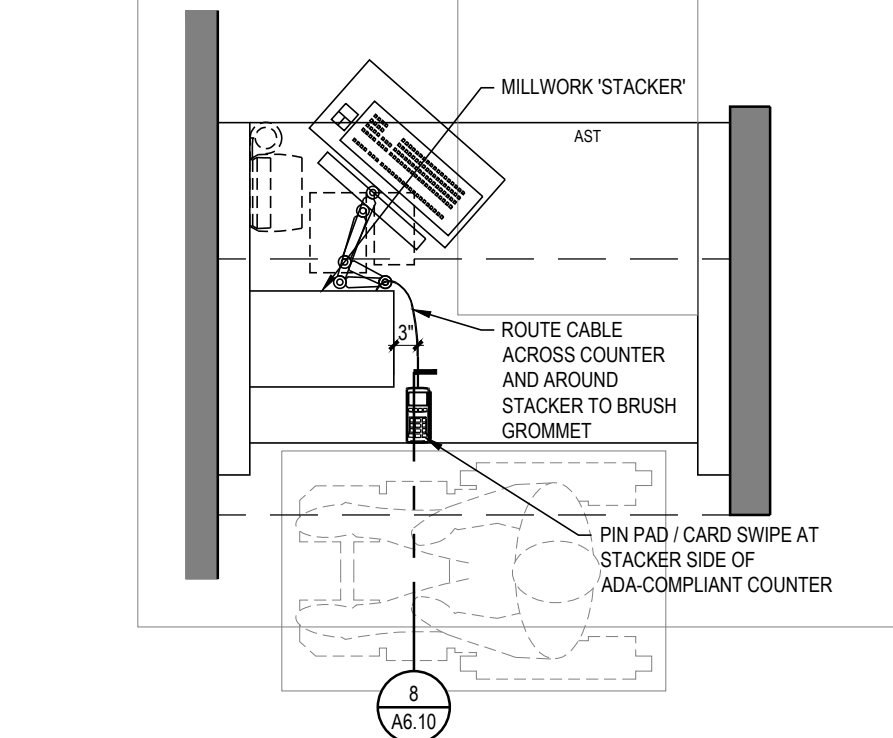
3 INTERIOR ELEVATION - EMPLOYEE SIDE  
A6.10 3/8" = 1'-0"



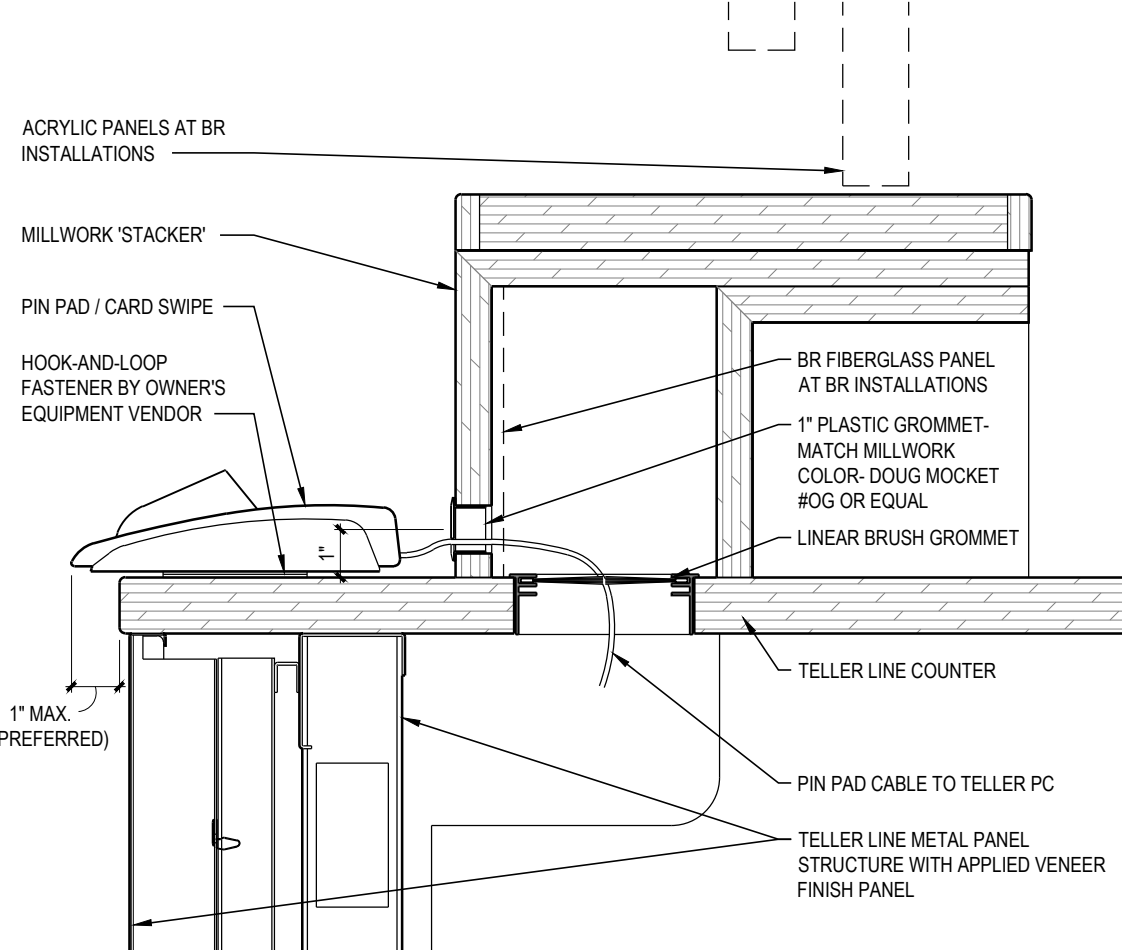
2 INTERIOR ELEVATION - CUSTOMER SIDE  
A6.10 3/8" = 1'-0"



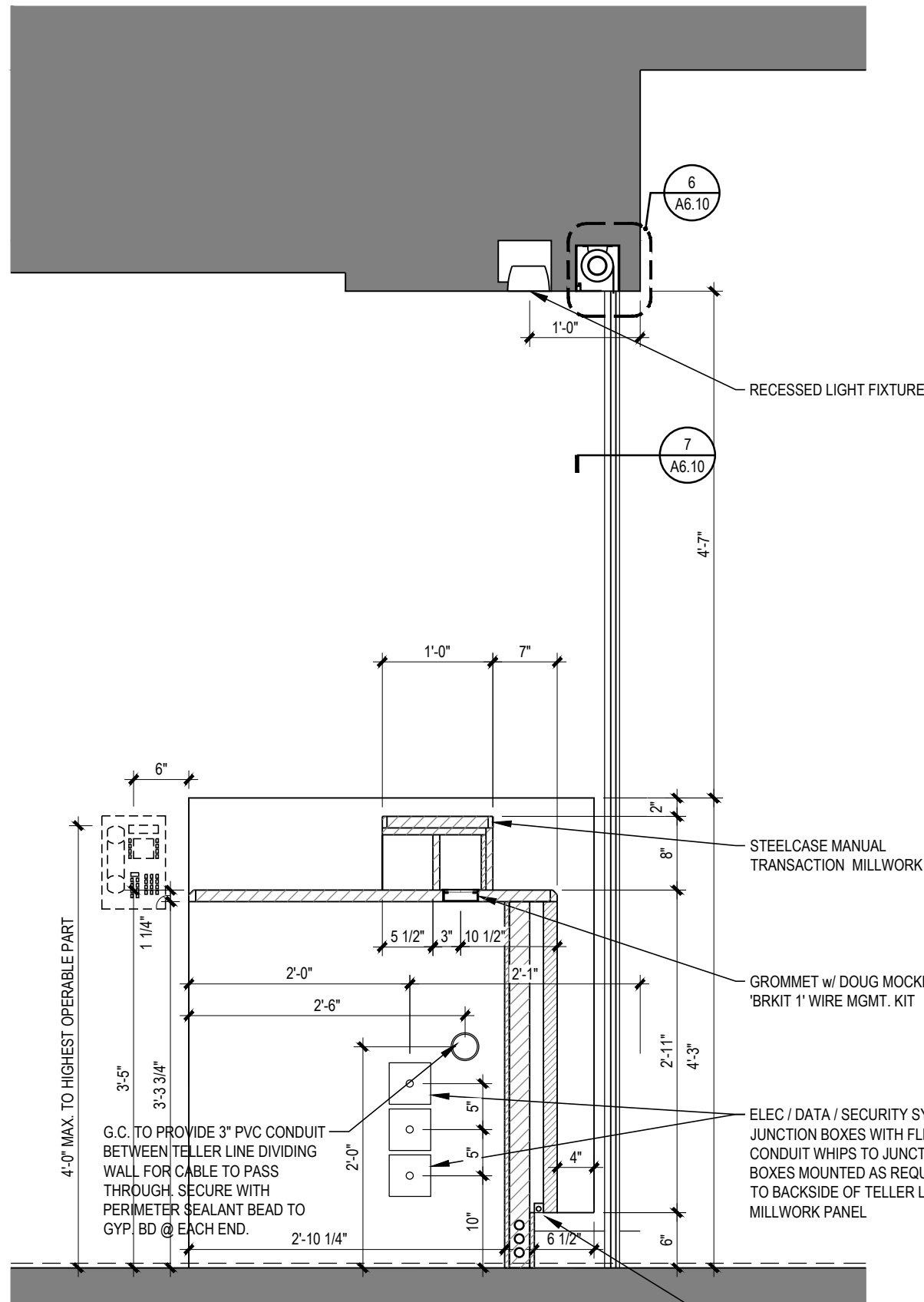
1 ENLARGED TELLER PLAN  
A6.10 3/8" = 1'-0"



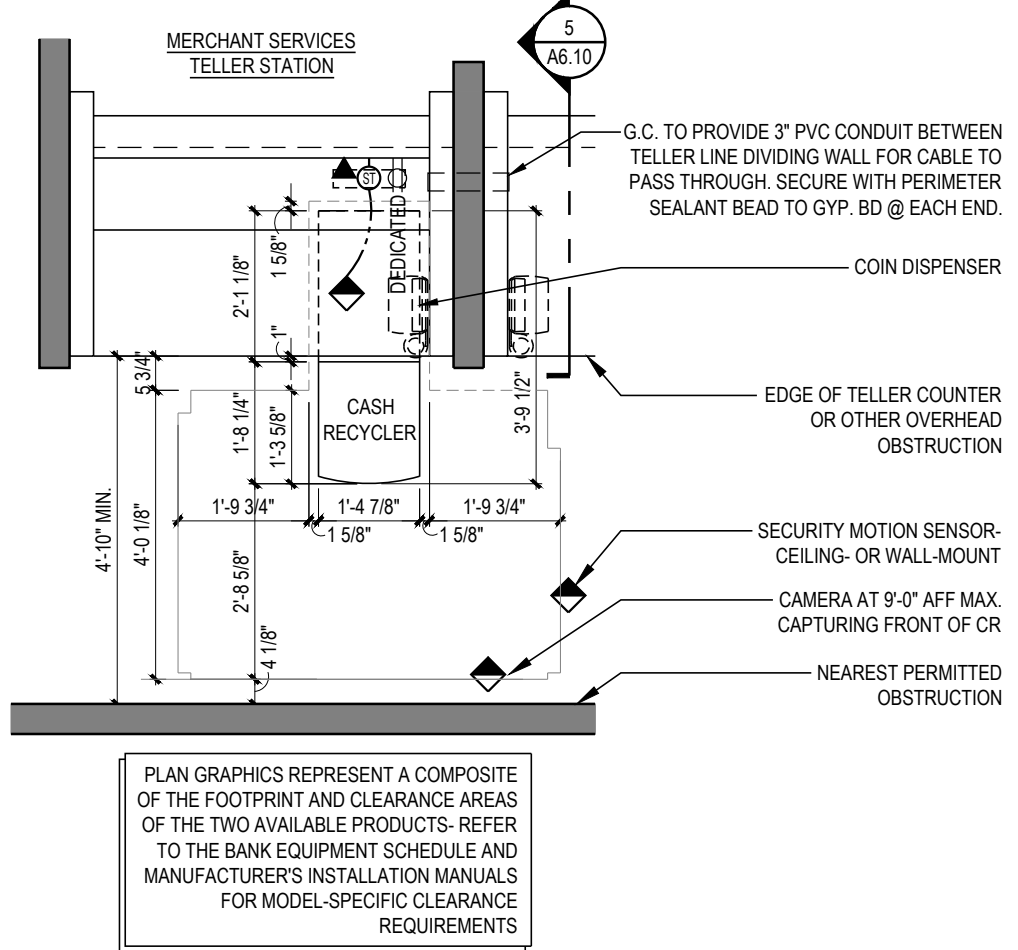
9 TYPICAL PIN PAD/ CARD SWIPE POSITON  
A6.10 1/2" = 1'-0"



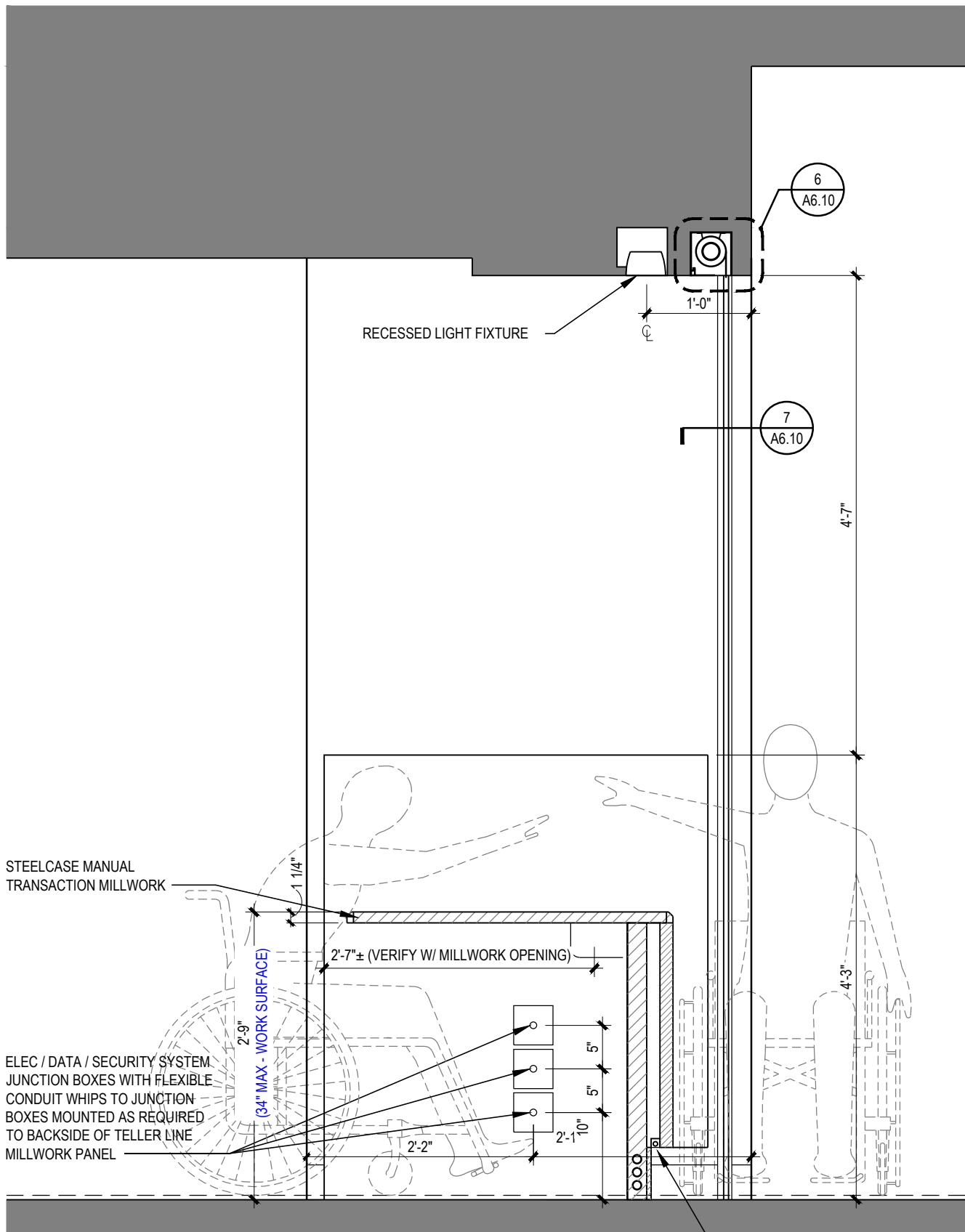
8 PIN PAD/ CARD SWIPE MOUNTING DETAIL  
A6.10 3" = 1'-0"



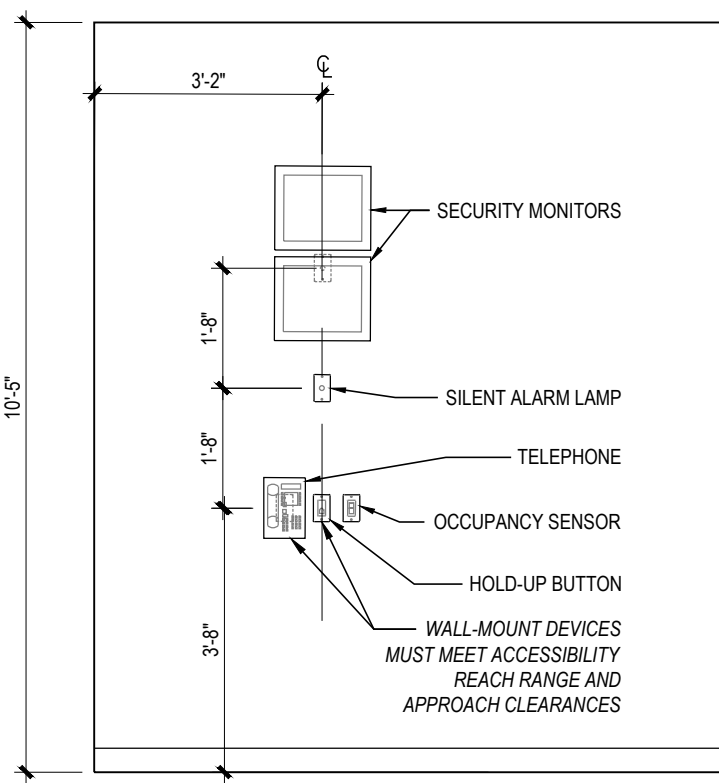
4 SECTION @ STANDARD TELLER  
A6.10 3/4" = 1'-0"



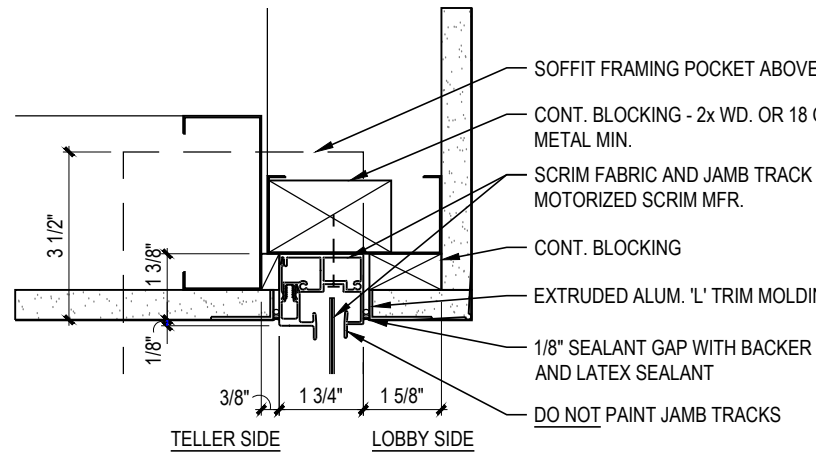
10 CASH RECYCLER -  
CLEARANCES AND CONNECTIONS  
A6.10 3/8" = 1'-0"



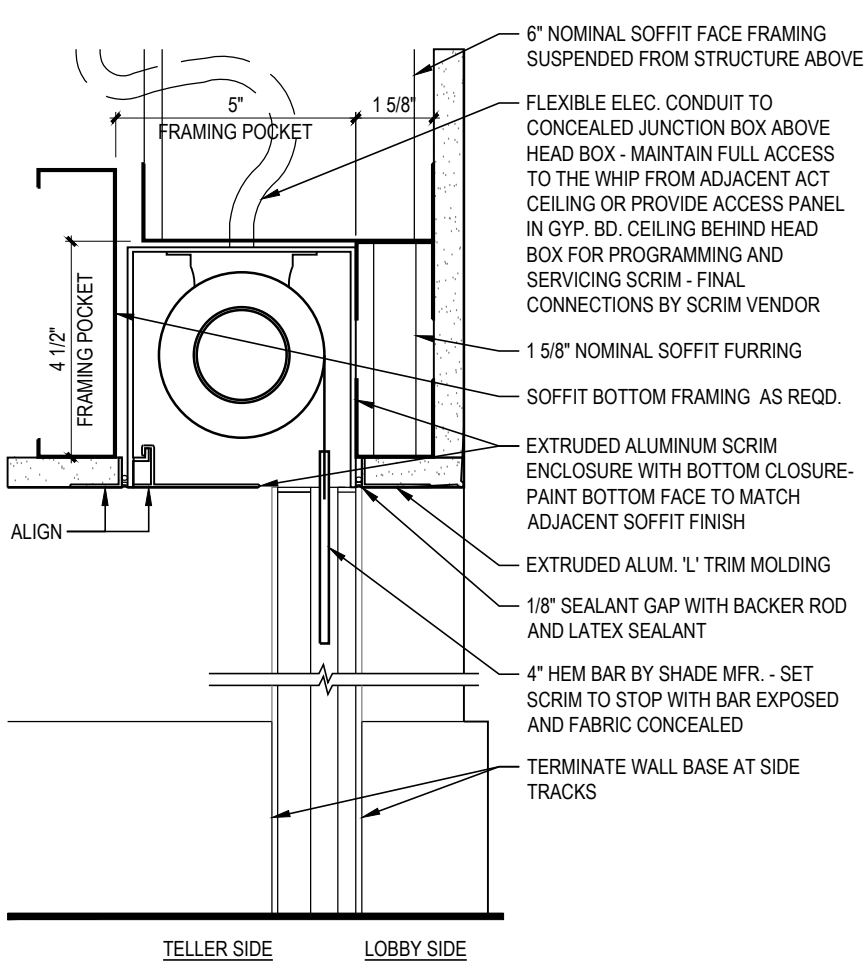
5 SECTION @ ACCESSIBLE TELLER  
A6.10 3/4" = 1'-0"



11 INTERIOR ELEVATION -  
HALLWAY  
A6.10 3/8" = 1'-0"



7 SCRIM JAMB  
A6.10 3" = 1'-0"



6 SCRIM HEAD  
A6.10 3" = 1'-0"



GENERAL STRUCTURAL NOTES

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND ENGINEERS.
2. DETAILS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS AND CONDITIONS UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT ALL WORK IN PROGRESS UNTIL THE BUILDING IS COMPLETED.
4. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND THE ARCHITECTURAL AND MECHANICAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT PRIOR TO PERFORMING WORK. IN CASE OF CONFLICT, THE MOST STRINGENT CONDITION SHALL APPLY.
5. ALL DIMENSIONS MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND WITH EQUIPMENT MANUFACTURER (I.E. WINDOW, DOOR, AIR HANDLER, ETC.). CONTRACTOR MUST OBTAIN AN ARCHITECTURAL DIRECTIVE IN CASE OF ANY CONFLICT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS.
6. DO NOT SCALE OFF DRAWINGS.

GOVERNING BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE

1. RISK CATEGORY = II
2. MINIMUM FIRST FLOOR LIVE LOADS:
- A. UNIFORM LIVE LOAD = 100 PSF
  - B. CONCENTRATED LIVE LOAD = 2000 LB
  - C. IMPACT LOAD = N/A
  - D. LIVE LOAD REDUCTION = N/A
3. ROOF DEAD LOAD = 25 PSF
4. MINIMUM ROOF LIVE LOAD = 20 PSF
5. ROOF SNOW DATA:
- A. SNOW IMPORTANCE FACTOR,  $I_s$  = 1.00
  - B. GROUND SNOW LOAD,  $P_g$  = 20 PSF
  - C. FLAT ROOF SNOW LOAD,  $P_f$  = 20 PSF
  - D. SNOW EXPOSURE FACTOR,  $C_e$  = 1.0
  - E. THERMAL FACTOR,  $C_t$  = 1.0
  - F. DRIFT LOAD DATA INDICATED ON ROOF FRAMING PLAN
6. WIND DESIGN DATA:
- A. WIND IMPORTANCE FACTOR,  $I_w$  = 1.0
  - B. ULTIMATE DESIGN WIND SPEED (3 SECOND GUST),  $V_{ult}$  = 110 MPH
  - C. WIND EXPOSURE CATEGORY = B
  - D. INTERNAL PRESSURE COEFFICIENTS = ±0.18
  - E. WIND DESIGN PRESSURES PER ASCE 7-10
7. SEISMIC DESIGN DATA:
- A. SEISMIC IMPORTANCE FACTOR,  $I_e$  = 1.00
  - B. MAPPED SPECTRAL RESPONSE COEFFICIENTS
  - C. SITE CLASS = C
  - D. DESIGN SPECTRAL RESPONSE COEFFICIENTS
  - E. SEISMIC DESIGN CATEGORY = SDS
  - F. BASIC SEISMIC FORCE RESISTANCE SYSTEMS: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE (R = 3.0)
  - G. DESIGN BASE SHEAR,  $V$  = 4.8 KIPS
  - H. SEISMIC RESPONSE COEFFICIENTS,  $C_s$  = 0.025
  - I. PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
  - J. PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
8. FOUNDATION DESIGN DATA
- A. ALLOWABLE BEARING PRESSURE = 2300 PSF COLS., 1900 PSF STRIP
  - FTG. MINIMUM FROST DEPTH = 36"
9. FLOOD DESIGN DATA: N/A
10. SPECIAL LOADS: N/A

FOUNDATIONS AND SLAB-ON-GRADE

1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PROFESSIONAL SERVICE INDUSTRIES, INC. (PSI) IN THEIR PROJECT No. 03382159 DATED DECEMBER 2, 2020.
2. ALL SUBGRADE SHALL BE PREPARED IN STRICT CONFORMANCE TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. REFER TO THE GEOTECHNICAL REPORT, SUPPLEMENTARY LETTERS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY IN THE EVENT THAT THE SOIL CONDITIONS ENCOUNTERED VARY FROM THOSE SHOWN ON THE BORING LOGS.
4. ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATED DEPTH OF FROST.
5. ANY FILL REQUIRED BELOW SLABS-ON-GRADE OR FOOTINGS SHALL BE COMPACTED AS REQUIRED BY THE GEOTECHNICAL REPORT.
6. ALL FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING AN ALLOWABLE BEARING PRESSURE AS NOTED ABOVE FOR FOOTINGS UNDER FULL SERVICE DEAD AND LIVE LOADS.
7. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
8. THE TOP OF EXTERIOR FOOTING ELEVATION SHALL BE SET A MINIMUM OF 8" BELOW LOWEST FINAL ADJACENT EXTERIOR GRADE AND A MINIMUM OF 8" BELOW FINISH FLOOR. THE BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR AT MINIMUM BEARING DEPTH BELOW LOWEST FINAL ADJACENT EXTERIOR GRADE.
9. FINAL ADJACENT GRADE IS DEFINED AS THE LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE FOUNDATION FOR PERIMETER (OR EXTERIOR) FOOTINGS AND FINISHED FLOOR LEVEL FOR INTERIOR FOOTINGS.
10. VERIFY THE USE AND EXTENT OF PERIMETER INSULATION WITH THE ARCHITECTURAL DRAWINGS PRIOR TO THE INSTALLATION OF FOUNDATIONS. INSTALL PERIMETER INSULATION AS REQUIRED.
11. STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION. BACK FILLING OF EXCAVATIONS SHALL BE DONE AS SOON AS POSSIBLE TO PROTECT FOUNDATIONS FROM FROST.
12. HORIZONTAL BARS IN FOOTINGS AND CONCRETE WALLS SHALL BE CONTINUOUS. PROVIDE CORNER BARS AT 90° CORNERS AND INTERSECTIONS. UNO.
13. FOUNDATION PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER. PENETRATIONS SHALL BE FOUNDATION STEM WALL OR 6" CLEAR BELOW FOOTING.

CONCRETE AND REINFORCING STEEL

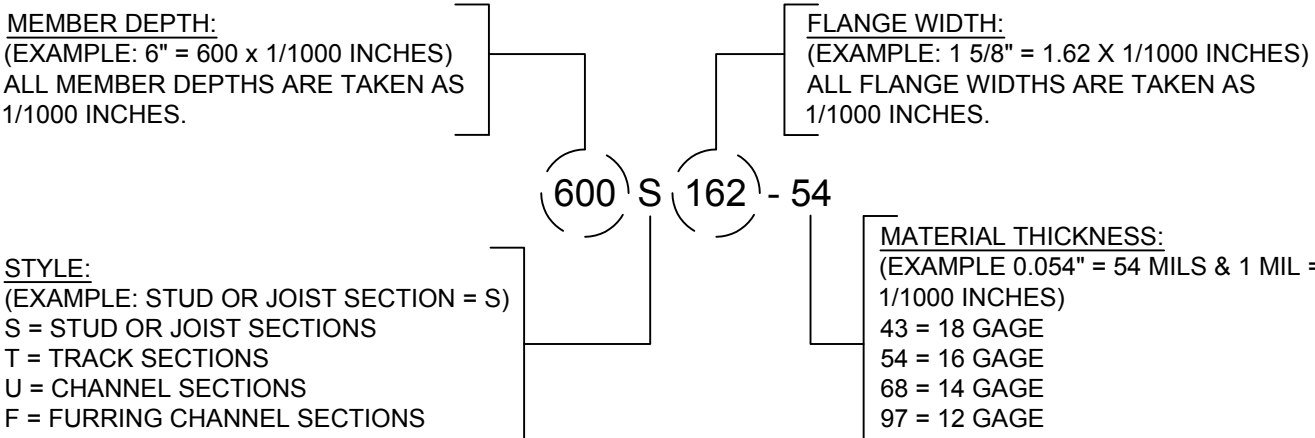
1. ALL CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AMERICAN CONCRETE INSTITUTE BUILDING CODE (ACI 318) AND WITH SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).
2. ALL CONCRETE SHALL BE NORMAL-WEIGHT (DENSITY=145 PCF) AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AS NOTED IN THE TABLE BELOW.
3. THE SLUMP OF ALL CONCRETE SHALL BE 4" ±1".
4. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED PER ACI-318, LATEST EDITION, BASED ON FREEZE-THAW EXPOSURE SEVERITY AND AGGREGATE SIZE.
5. MAXIMUM NOMINAL COURSE AGGREGATE SIZE SHALL BE 3/4" TYPICAL UNLESS NOTED OTHERWISE.
6. THE MINIMUM PORTLAND CEMENT CONTENT (ASTM C150 TYPE I/II) OF ALL CONCRETE SHALL CONFORM TO THE FOLLOWING TABLE:

LOCATION	SPECIFIED COMPRESSIVE STRENGTH (PSI)	W/CM RATIO	AIR-ENTRAINED CONCRETE (%)
SLAB-ON-GRADE	4000	0.45 - 0.55	2 ±1
FOUNDATIONS	4500	0.45 - 0.55	5 ±1

7. ALL REINFORCED CONCRETE WORK SHALL BE PER "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318, LATEST EDITION.
8. THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW A MINIMUM OF TWO WEEKS PRIOR TO THE PLACEMENT OF ANY CONCRETE. THE CONCRETE MIX DESIGNS SHALL INCLUDE ALL STRENGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS.
9. CONCRETE REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
10. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
11. CONCRETE REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
12. HOOK ENDS OF BARS INTERRUPTED BY OPENINGS, HOOK TOP BARS AT ALL EDGES, AT ALL WALL AND SLAB OPENINGS, PROVIDE 2 - #5BARS X OPENING WIDTH PLUS 4 FEET(EACH SIDE) EACH FACE UNLESS SHOWN OTHERWISE.
13. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE DETAILING MANUAL.
14. ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI "MANUAL OF STANDARD PRACTICE".
15. THE GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SUB-CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

LIGHT GAGE METAL FRAMING

1. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AISI-NAS, "SPECIFICATION FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS", LATEST EDITION. PROVIDE SIGNED AND SEALED CALCULATIONS AND DRAWINGS FOR ALL LIGHT GAGE STRUCTURAL ELEMENTS OF THE BUILDING, INCLUDING THE EXTERIOR METAL STUDS (CURTAIN WALL), AND ALL EXTERIOR CEILINGS.
2. ALL STRUCTURAL STUDS AND JOISTS 22, 26, AND 18 GAUGES SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C955 WITH A YIELD STRENGTH OF 33,000 PSI.
3. ALL STRUCTURAL STUDS AND JOISTS 16, 14, AND 12 GAUCES SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING ASTM C955, WITH YIELD STRENGTH OF 50,000 PSI.
4. ALL STRUCTURAL TRACK AND BRIDGING SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C595, WITH YIELD STRENGTH OF 33,000 PSI.
5. WITH EACH TYPE OF METAL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING, LINTELS, CLIP ANGELS, SHOES, REINFORCEMENTS, FASTENERS, AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE METAL FRAMING SYSTEM.
6. PROVIDE GALVANIZED FINISH TO METAL FRAMING COMPONENTS COMPLYING WITH ASTM A653 FOR MINIMUM G60 COATING. ATTACH SIMILAR COMPONENTS BY WELDING. ATTACH DISSIMILAR COMPONENTS BY WELDING, BOLTING OR SCREW FASTENERS, AS STANDARD WITH MANUFACTURER. ALL WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED AND EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK.
7. INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED OR WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS OTHERWISE INDICATED.
8. INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS.
9. WHERE STUD SYSTEM ABUTS STRUCTURAL COLUMN OR WALLS, ANCHOR ENDS OF STIFFENERS TO SUPPORTING STRUCTURE.
10. SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY EITHER WELDING OR SCREW FASTENERS AT BOTH INSIDE AND OUTSIDE FLANGES.
11. LIGHT GAGE METAL SHOP DRAWINGS AND CALCULATIONS MUST BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE IN WHICH THIS SITE IS LOCATED.



LIGHT GAGE METAL FRAMING  
PRODUCT IDENTIFICATION

ACCORDING TO STEEL STUD MANUFACTURERS  
ASSOCIATION FOUR PART IDENTIFICATION CODE SYSTEM

STRUCTURAL STEEL

1. THE USE OF ROLLED STEEL SECTIONS AND/OR BOLTS MANUFACTURED OUTSIDE THE UNITED STATES WILL REQUIRE VERIFICATION THAT THE PRODUCTS COMPLY WITH APPLICABLE ASTM STANDARDS. MILL CERTIFICATES WILL BE REQUIRED FOR ALL STEEL. STRUCTURAL STEEL GRADES NOT MEETING THE ASTM SPECIFICATION FOR ROLLED SHAPES LISTED IN AISI/STEEL CONSTRUCTION MANUAL TABLE 2-4 WILL REQUIRE TESTING BY AN APPROVED LABORATORY.
2. ALL STRUCTURAL STEEL WORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST A.I.S.C. SPECIFICATIONS.
3. STRUCTURAL STEEL SHALL CONFORM TO:
- WIDE FLANGE (WF) ASTM A992 (50 KSI)
  - SHAPES (I.T.C.P.L) ASTM A36
  - STRUCTURAL TUBE (HSS) ASTM A500 (46 KSI)
  - STEEL PIPE (HSS) ASTM A500 (42 KSI)
  - ANCHOR BOLTS ASTM F1553 (36 KSI) U.N.O.
  - FRAMING BOLTS ASTM A325 OR A490
  - SHEAR STUDS ASTM A108
  - WELDING ELECTRODES E70XX
4. ALL HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM SPECIFICATION A325 AND SHALL BE PROVIDED WITH HARDENED WASHERS UNDER THE TURNED ELEMENT (NUT OR BOLT HEAD).
5. INSTALLATION AND TIGHTENING OF ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
6. SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM. ALL CONNECTIONS SHALL CONFORM TO THE TYPICAL CONNECTION DETAILS SHOWN ON THE PLANS UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.
7. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE, AWS D1.1. ALL WELDING SHALL BE PERFORMED USING E70XX U.N.O.
8. CUTS, HOLES, COPINGS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN IN THE STRUCTURAL STEEL SHOP DRAWINGS AND SHALL BE MADE IN THE SHOP. HOLES SHALL BE REINFORCED AS REQUIRED BY THE ENGINEER.
9. BURNING OF HOLES, CUTS, ETC. IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED, EXCEPT WITH THE SPECIFIC APPROVAL OF THE ENGINEER.
10. ALL STEEL MEMBERS EXPOSED TO WEATHER (SUCH AS LINTELS, DOOR JAMBS, ETC.) SHALL BE GALVANIZED.
11. FOR MISCELLANEOUS STEEL, SEE ARCHITECTURAL DRAWINGS.
12. ANY STEEL MEMBERS REQUIRED BY THE ELECTRICAL OR MECHANICAL TRADES FOR THE SUPPORT OF THEIR EQUIPMENT, WHICH ARE NOT SHOWN ON ARCHITECTURAL OR STRUCTURAL DRAWINGS, SHALL BE PROVIDED BY THE TRADE REQUIRING SUCH SUPPORT.
13. SEE SPECIFICATIONS FOR PAINTING OF STRUCTURAL STEEL. ALL FABRICATION AND ERECTION MARKS SHALL BE COVERED DURING FIELD TOUCH-UP PAINTING.
14. ALL CONNECTIONS TO BE DOUBLE ANGLE FRAMED BEAM CONNECTION PER AISI UNLESS NOTED OTHERWISE. ALL BOLTS TO BE 3/4" MINIMUM DIAMETER UNLESS NOTED OTHERWISE. SHOP CONNECTIONS MAY BE WELDED OR BOLTED. WELDS ARE TO BE EQUAL IN STRENGTH TO BOLTS.
15. DESIGN CONNECTIONS FOR THE MAXIMUM SHEAR (V IN KIPS) LISTED IN THE TABLES FOR "ALLOWABLE UNIFORM LOADS IN KIPS FOR BEAMS LATERALLY SUPPORTED" AT THE BOTTOM OF EACH PAGE IN THE "PROPERTIES AND REACTION VALUES", PART 2 OF THE LATEST EDITION OF THE AISI "MANUAL OF STEEL CONSTRUCTION", PROVIDE SIGNED AND SEALED DRAWINGS AND CALCULATIONS BY A PROFESSIONAL ENGINEER.
16. A REGISTERED PROFESSIONAL ENGINEER SHALL INSPECT THE WELDING AND HIGH-STRENGTH BOLTING OF STRUCTURAL STEEL FRAMING AND WELDING, BOLTING AND FASTENING OF LIGHT WEIGHT MATERIAL SYSTEMS, AND METAL SIDINGS OF BUILDING.
17. ALL STEEL MEMBERS SHALL BE MADE IN AN APPROVED FABRICATOR'S SHOP; THE APPROVED FABRICATOR SHALL SUBMIT THE CERTIFICATE OF COMPLIANCE TO THE BUILDING INSPECTOR PRIOR TO ERECTION.

STEEL DECK

1. STEEL ROOF DECK IS INDICATED IN THE ROOF FRAMING NOTES LOCATED ON THE ROOF PLAN DRAWING. STEEL DECK TO BE PLACED ON ENTIRE ROOF STRUCTURE RESTING ON LIGHT GAGE TRUSSES (INCLUDING OVERFRAMED AREAS).
2. ALL STEEL ROOF DECK SHALL BE HOT-DIPPED GALVANIZED, G60 COATING AS PER ASTM SPECIFICATIONS.
3. ALL STEEL ROOF DECK SHALL BE CAPABLE OF SUPPORTING ALL CONSTRUCTION LOADS.
4. ALL STEEL ROOF DECK SHALL BE CONTINUOUS OVER FOUR OR MORE STRUCTURAL SUPPORTS (I.E. DECK SHOULD BE DETAILED FOR A THREE SPAN CONDITION).
5. STEEL ROOF DECK SHALL HAVE NESTING SIDE LAPS (ATTACHED BY MECHANICAL MEANS) IF DECK IS CUT IN SINGLE OR DOUBLE END OF BUILDING. INTERSECTIONS SHALL BE WELDED TO ITS SUPPORT THROUGH WELDING WASHERS IN THE BOTTOM OF EACH RIB.
6. IN AREAS WHERE THE DECK IS CUT AS PER NOTE 6, THE GAGE OF THE SINGLE SPAN DECK SHALL BE ADJUSTED UPWARDS AS REQUIRED BY THE ENGINEER TO SUPPORT THE LOADS.
7. ANY ELECTRICAL WORK WORKING MORE THAN 50PSF OR 50 LBS CONCENTRATED SHALL BE HUNG FROM STEEL BEAMS ONLY. FOR HANGERS, SEE SPECIFICATIONS. ALL MECHANICAL WORK AND PIPING SHALL BE HUNG FROM STEEL BEAMS. SEE STRUCTURAL STEEL NOTE 11 (OF STRUCTURAL STEEL NOTES) FOR ADDITIONAL STEEL REQUIRED BY MECHANICAL/ELECTRICAL TRADES TO SUPPORT THEIR EQUIPMENT.
9. METAL DECK CONTRACTOR TO PROVIDE 18 GAGE RIDGE PLATE, VALLEY PLATE, EDGE STRIP, ETC., AS REQUIRED.
10. CUT OUT METAL DECK WHERE BOLT PROJECTIONS INTERFERE WITH METAL DECK.

EXTERIOR/OSB SHEATHING

1. ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECIFICATION, LATEST EDITION.
2. WALL SHEATHING SHALL BE 5/8" DENSGLASS. ALL WALL SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ #10 TEK SCREWS @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.
3. REFER TO DRAWINGS FOR SPECIAL SHEATHING OR NAILING REQUIREMENTS. PROVIDE SIMPSON "PSCL" PANEL CLIPS, MIN. 1 CLIP PER SIDE TO ALLOW FOR EXPANSION. THE SHEATHING SHALL NOT BE USED AS A NAILING EDGE.
4. ROOF SHEATHING SHALL BE 23/32" (3/4" NOMINAL) APA RATED SHEATHING. EXPOSURE 1, 48/24, UNO. FOR NON-COMBUSTABLE BUILDING CONSTRUCTION SHEATHING TO BE FIRE TREATED. COORD WITH ARCH. DWGS. ALL ROOF SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ #12 x 2" WOOD SCREWS @ 6" O.C. AT PANEL EDGES, AND 12" O.C. AT INTERMEDIATE SUPPORTS. U.N.O.

SAWN LUMBER

1. ALL GRADES OF LUMBER INDICATED ON STRUCTURAL DRAWINGS SHALL BE RATED BY THE SOUTHERN PINE INSPECTION BUREAU (SPIB), OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA). LUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:
- A. SOUTHERN PINE NO. 1.
  - B. DOUGLAS FIR-LARCH NO. 1.
  - C. HEM-FIR NORTH NO. 1.
2. BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS.
3. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
4. CONNECTORS SHOWN ON THE DETAILS ARE MANUFACTURED BY SIMPSON. WRITTEN APPROVAL BY ENGINEER REQUIRED FOR SUBSTITUTIONS.
5. MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE AND CONFORM TO THE FOLLOWING TABLE:

FASTENER SCHEDULE		
CONNECTION TYPE	SIZE / SPACING	
1. JOIST TO SILL OR GIRDER, TOENAIL	(3-8d)	
2. BRIDGING TO JOIST, TOENAIL EACH END	(2-8d)	
3. 1"x6" (25MMx152MM) SUBFLOOR OR LESS TO JOIST, FACE NAIL	(2-8d)	
4. WIDER THAN 1" X 6" (25MMx152MM) SUBFLOOR TO JOIST, FACE NAIL	(3-8d)	
5. 2" (52MM) SUBFLOOR TO GIRDER, BLIND AND FACE NAIL	(2-16d)	
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	(16d @ 16" O.C.)	
7. SOLE PLATE TO JOIST OR BLOCKING, AT BRACED W. PANELS	(3-16d PER 16")	
8. TOP PLATE TO STUD, END NAIL	(2-16d)	
9. STUD TO SOLE PLATE	(2-16d END NAIL)	
10. DOUBLE STUDS, FACE NAIL	(16d @ 24" O.C.)	
11. DOUBLE TOP PLATES, TYPICAL FACE NAIL	(16d @ 16" O.C.)	
12. DOUBLE TOP PLATES, LAP SPLICE	(8-16d)	
13. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	(3-8d)	
14. RIM JOIST TO TOP PLATE, TOENAIL	(8d @ 6" O.C.)	
15. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	(2-16d)	
16. CONTINUOUS HEADER, TWO PIECES	(16d @ 16" O.C. ALONG EDGE)	
17. CEILING JOISTS TO PLATE, TOENAIL	(3-8d)	
18. CONTINUOUS HEADER TO STUD, TOENAIL	(4-8d)	
19. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	(3-16d)	
20. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3-16d)	
21. RAFTER TO PLATE, TOENAIL	(3-8d)	
22. 1" (25MM) BRACE TO EACH STUD AND PLATE, FACE NAIL	(2-8d)	
23. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	(2-8d)	
24. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	(3-8d)	
25. BUILT-UP CORNER STUDS	(16d @ 24" O.C.)	
26. 2" PLANKS	(2-16d AT EACH SPLICE)	
27. 2x6 BOX BEAM / HEADER	(12d @ 12" O.C.)	
28. BUILT-UP GIRDER AND BEAMS	(20d @ 32" O.C. AT TOP & BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE)	

MASONRY

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-11/ASCE 5-11 / TMS 402-11). AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530-11/ASCE 6-11 / TMS 602-11).
2. MINIMUM NET COMPRESSIVE STRENGTH OF NORMAL WEIGHT CMU BLOCK ASSEMBLY SHALL BE 1900 P.S.I.(f<sub>m</sub>). MORTAR FOR MASONRY SHALL BE TYPE "S" OR "M".
3. FOR ALL EXTERIOR AND INTERIOR BEARING, BED JOINTS ARE TO COVER 100% OF THE MASONRY SURFACES AND ALL HEAD JOINTS ARE TO COVER 100% OF THE PROJECTED AREA OF THE FACE SHELLS.
4. FILL ALL CELLS AS REQUIRED WITH 3,000 P.S.I. GROUT. SLUMP SHALL BE 8 TO 11 INCHES. SUBMIT DESIGN MIX TO ENGINEER FOR APPROVAL.
5. MINIMUM VERTICAL REINFORCING SHALL BE 1-#5 @ 48" OR 1-#4 @ 32" O.C., (U.N.O.).
6. PROVIDE ADDITIONAL VERTICAL REINFORCING BAR AT EVERY CORNER, INTERSECTION, CONTROL JOINT, AND OPENING EDGES (U.N.O.).
7. MINIMUM SPLICE FOR HORIZONTAL REINFORCING = 12".
8. ALL CELLS BELOW FIRST FLOOR FINISHED ELEVATION MUST BE FULLY FILLED SOLID WITH GROUT.
9. ALL KNOCK OUT BLOCK HORIZONTAL BARS SHALL HAVE CORNER BARS AT ALL CORNERS AND WALL INTERSECTIONS. SIZE AND NUMBER OF CORNER BARS SHALL BE SAME AS HORIZONTAL BARS.
10. ALL INTERSECTING WALLS AND CORNER WALLS SHALL BE LAID IN AN OVERLAPPING MASONRY BONDING PATTERN, WITH ALTERNATE UNITS HAVING A BEARING OF NOT LESS THAN 3 INCHES ON UNIT BELOW.

SHOP DRAWING SUBMITTALS

1. THE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW AND APPROVE THEM, AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. PROVIDE AMPLE TIME FOR THE BUILDING OFFICIAL TO REVIEW THE DOCUMENTS.
2. REFER TO PROJECT SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.
3. SHOP DRAWINGS AND SUBMITTALS WILL BE REVIEWED FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS.
4. SUBMITTAL REVIEW WILL NOT BE CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF OTHER DETAILED INFORMATION SUCH AS DIMENSIONS AND QUANTITIES, OR FOR SUBSTANTIATING INSTRUCTIONS FOR INSTALLATION OR PERFORMANCE OF EQUIPMENT OR SYSTEMS DESIGNED BY THE CONTRACTOR. ALL OF THIS REMAINS THE RESPONSIBILITY OF THE CONTRACTOR.
5. REVIEW SHALL NOT CONSTITUTE APPROVAL OF SAFETY PRECAUTIONS OR OF ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.
6. APPROVAL OF A SPECIFIC ITEM SHALL NOT INDICATE APPROVAL OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.
7. SHOP DRAWINGS AND/OR PRODUCT DATA FOR THE FOLLOWING ITEMS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL:
- A. REINFORCING STEEL
  - B. STRUCTURAL STEEL
  - C. LIGHT GAGE STEEL DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A LICENSED PROFESSIONAL IN THE STATE IN WHICH THIS SITE IS LOCATED.
8. SHOP DRAWINGS ARE TO BE DISTRIBUTED ONLY FROM RETURNED SUBMITTALS BEARING AN INITIALED REVIEW STAMP AND WORK ON THESE ITEMS SHALL NOT PROCEED UNLESS THE STAMP CLEARLY INDICATES THE DRAWINGS ARE "APPROVED" OR "APPROVED AS NOTED."
9. SHOP DRAWINGS AND/OR PRODUCT DATA FOR THE FOLLOWING ITEMS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. THE ENGINEER'S REVIEW WILL BE LIMITED TO CONFORMANCE WITH DESIGN AND PERFORMANCE CRITERIA SPECIFIED IN THE CONSTRUCTION DOCUMENTS AND THE INTERFACE BETWEEN THESE ITEMS/SYSTEMS AND THE BUILDING STRUCTURE. THIS REVIEW WILL CHECK THE COMPATIBILITY OF LOADS AND POSITIONS OF LOADS IMPARTED ONTO THE BUILDING STRUCTURE, AND COMPATIBILITY OF CONNECTIONS WITH THE BUILDING STRUCTURE. THE MANUFACTURER/SUPPLIER AND IT'S SPECIALTY STRUCTURAL ENGINEER RESPONSIBLE FOR THE DESIGN OF THE ITEM/SYSTEM WILL RETAIN ALL RIGHTS AND RESPONSIBILITIES FOR THE DESIGN OF THE PRODUCT AND THE CONNECTIONS TO THE BUILDING STRUCTURE.
- A. CONCRETE MIXES
  - B. CONCRETE FORMWORK
10. NO WORK ON STRUCTURAL ELEMENTS SUPPORTING OR RELATED TO THESE ITEMS IS TO PROCEED UNLESS THE REVIEW STAMP CLEARLY INDICATES "REVIEWED" OR "REVIEWED, SEE COMMENTS" BY THE STRUCTURAL ENGINEER.
11. CONCRETE IS A PRE-ENGINEERED MATERIAL DESIGNED BY THE SUPPLIER TO MEET THE STRENGTH AND PERFORMANCE CRITERIA SPECIFIED IN THE CONTRACT DOCUMENTS. CONCRETE MIX DESIGNS SHALL BE IN CONFORMANCE WITH ACI 318, CHAPTER 5, AND SHALL BE SUBMITTED TO THE INDEPENDENT TESTING LAB WITH APPROPRIATE HISTORICAL TEST DATA AND ANALYSIS FOR REVIEW AND APPROVAL. SUBMIT MIX DESIGNS AND THE TESTING LAB REVIEW TO THE ARCHITECT/ENGINEER FOR REVIEW.
12. MANY VARIABLES, INCLUDING MIX COMPONENTS AND ENVIRONMENTAL CONDITIONS AFFECT THE QUALITY OF CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING VARIABLES AND REQUESTING MIX MODIFICATIONS AND SHALL BE SOLELY RESPONSIBLE FOR THE QUALITY OF CONCRETE DELIVERED AND PLACED ON THE SITE.
13. GENERAL CONTRACTOR SHALL PRE-CHECK ALL SHOP DRAWINGS BEFORE SUBMISSION TO THE ENGINEER FOR REVIEW. ALL SUBMITTAL MATERIALS MUST BEAR AN INITIALED REVIEW STAMP OF THE GENERAL CONTRACTOR. SUBMITTALS WITHOUT THE REVIEW STAMP OF THE GENERAL CONTRACTOR WILL BE RETURNED WITHOUT REVIEW AND SHALL NOT BE CAUSE FOR CLAIMS OF DELAY.
14. GENERAL CONTRACTOR SHALL SCHEDULE SUBMITTALS SUFFICIENTLY IN ADVANCE OF THE DATE REQUIRED TO ALLOW REASONABLE TIME FOR DELIVERY, PROCESSING AND REVIEW BY THE DESIGN TEAM. THIS SHALL INCLUDE A MINIMUM OF TEN WORKING DAYS, EXCLUDING DELIVERY TIME, FOR ENGINEER'S PROCESSING AND REVIEW OF SHOP DRAWINGS, INCLUDE TIME FOR CONTRACTOR'S RESUBMISSION AND SUBSEQUENT REVIEW IF NECESSARY.
15. SHORTER REVIEW PERIODS WILL ONLY BE HONORED WITH PRIOR WRITTEN CONSENT FROM THE ENGINEER. THESE ACCELERATED SERVICES, AND APPROPRIATE COMPENSATION, MUST BE NEGOTIATED WITH THE ENGINEER AND ARCHITECT IN ADVANCE.
16. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS, INCLUDING THE USE OF ELECTRONIC FILES, BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF THE INDEPENDENT PREPARATION OF SHOP DRAWINGS, SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON. SUCH USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS WILL NOT BE ALLOWED WITHOUT PRIOR CONSENT FROM THE ENGINEER.
17. WHEN USING ELECTRONIC FORMAT FOR SUBMITTALS, THE CONTRACTOR SHALL PROVIDE ONE PRINTED HARD COPY FOR ENGINEER REVIEW OR EXECUTE AN AGREEMENT FOR REIMBURSING THE ENGINEER FOR PRINTING COSTS FOR ONE COPY.

DEFERRED SUBMITTALS

SHOP DRAWING SUBMITTALS REQUIRED BY THESE GENERAL STRUCTURAL NOTES WHICH CONTAIN DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER OTHER THAN THE ENGINEER OF RECORD, SHALL BE SUBMITTED DURING CONSTRUCTION TO THE CITY FIELD INSPECTOR FOR REVIEW. THE DOCUMENTS WILL FIRST BE REVIEWED BY THE ENGINEER OF RECORD AND DETERMINED TO BE IN GENERAL CONFORMANCE WITH THE BUILDING DESIGN. THESE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. THE FOLLOWING ITEMS SHALL BE SUBMITTED PER THIS SECTION:

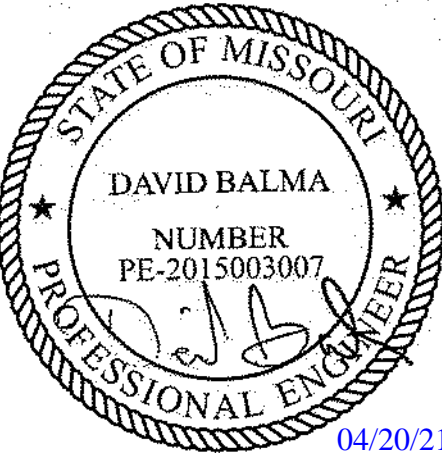
- A. OPEN WEB STEEL JOIST
- B. LIGHT GAGE METAL FRAMING

RELEASE FOR  
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HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64043  
CHASE OVP #38200P/36899

**CORE STATES**  
GROUP  
1700 Industrial Drive Suite B  
Bogart, MO 62206  
417.956.4400  
www.core-states.com  
CORESTATES, INC.

ENGINEER OF RECORD



THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

PROJECT INFORMATION

PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	J.PEREZ
CHECKED BY:	E.SCALGIOINE
VERSION:	SE_1.00

SHEET TITLE

GENERAL  
STRUCTURAL  
NOTES

SHEET NUMBER

S0.0



STRUCTURAL SPECIAL INSPECTIONS

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1705 OF THE **2018 INTERNATIONAL BUILDING CODE**.
2. THE OWNER WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE REQUIRED SPECIAL INSPECTION ITEMS.
3. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, AND THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
4. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
- A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS.
- B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL-OF-RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL-OF-RECORD, UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.
- C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING CODE.
5. STRUCTURAL OBSERVATION (AS DEFINED IN CHAPTER 17 OF THE BUILDING CODE) IS NOT REQUIRED, UNLESS SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.
6. THE FOLLOWING AREAS OF WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE LISTED SECTIONS/LOCATIONS:
- A. SOILS - SECTION 1705.6 PER TABLE 1705.6

SPECIAL INSPECTION AND VERIFICATION OF SOILS				
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC REFERENCE
Y	1. VERIFY MATERIALS BELOW SHALLOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-----	X	1705.6
Y	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-----	X	1705.6
Y	3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-----	X	1705.6
Y	4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	-----	1705.6
Y	5. PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-----	X	1705.6

B. CONCRETE CONSTRUCTION - SECTION 1705.3 PER TABLE 1705.3

SPECIAL INSPECTION AND VERIFICATION OF CONCRETE CONSTRUCTION					
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
Y	1. INSPECTION OF REINFORCING STEEL, INCLUDING PRE-STRESSING TENDONS AND VERIFY PLACEMENT.	-----	X	1908.4	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3
N	2. REINFORCING BAR WELDING				
-	a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;	-----	X	-----	AWS D1.4 ACI 318: 26.6.4
-	b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16	-----	X	-----	
-	c. INSPECT OTHERS WELDS	X	-----	-----	
Y	3. INSPECTION OF ANCHORS CAST IN CONCRETE	-----	X	-----	ACI318: 17.8.2
Y	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS				
N	a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-----	-----	ACI 318: 17.8.2.4
Y	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a.	-----	X	-----	ACI 318: 17.8.2
Y	5. VERIFYING USE OF REQUIRED DESIGN MIX.	-----	X	1904.1, 1904.2, 1908.2, 1408.3	ACI 318: CH. 19, 26.4.3, 26.4.4
Y	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE FOR STRENGTH TESTS, PERFORM SLUMP AND AIR ENTRAINED TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-----	1908.10	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12
Y	7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-----	1908.6, 1908.7, 1908.8	ACI 318: 26.5
Y	8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-----	X	1908.9	ACI 318: 26.5.3-26.5.5
N	9. INSPECTION OF PRESTRESSED CONCRETE:				
-	a. APPLICATION OF PRESTRESSING FORCES.	X	-----	-----	ACI 318: 26.10
-	b. GROUTING OF BONDED PRESTRESSING TENDONS	X	-----	-----	
N	10. ERECTION OF PRECAST (TILT UP PANELS) CONCRETE MEMBERS.	-----	X	-----	ACI 318: CH. 26.9
N	11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORING AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-----	X	-----	ACI 318: 26.11.2
Y	12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-----	X	-----	ACI 318: 26.11.1.2(b)

C. WOOD CONSTRUCTION - SECTION 1705.5

SPECIAL INSPECTION AND VERIFICATION OF WOOD CONSTRUCTION				
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC REFERENCE
N	1. HIGH-LOAD DIAPHRAGMS	-----	X	1705.5.1
N	2. METAL-PLATE CONNECTED WOOD TRUSSES SPANNING > 60 FEET	-----	X	1705.5.2

D. WIND RESISTANCE - SECTION 1705.11

SPECIAL INSPECTION OF WIND FORCE RESISTING SYSTEMS				
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC REFERENCE
N	1. NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER COMPONENTS OF THE MAINFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLD-DOWNS WHERE FASTENER SPACING FOR SHEATHING IS 4" ON-CENTER OR LESS.	-----	X	1705.11.1
N	2. FIELD GLUING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	X	-----	1705.11.1
N	3. COLD-FORMED STEEL WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	-----	X	1705.11.2
N	4. COLD-FORMED STEEL SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAINFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, DIAPHRAGMS, COLLECTORS (DRAG STRUTS), AND HOLD-DOWNS WHERE NON-GYPSUM BOARD/FIBERBOARD SHEATHING FASTENER SPACING IS 4" ON-CENTER OR LESS.	-----	X	1705.11.2
N	5. ROOF CLADDING	-----	X	1705.11.3
N	6. WALL CLADDING	-----	X	1705.11.3

E. STEEL CONSTRUCTION (STRUCTURAL STEEL) - SECTION 1705.2.1

SPECIAL INSPECTION AND VERIFICATION OF STRUCTURAL STEEL CONSTRUCTION					
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
PRIOR TO WELDING					
Y	1. QUALIFIED WELDER	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	2. VERIFY WELDING PROCEDURES (WPS) AND CONSUMABLE CERTIFICATES	X	----	1705.2.1	N5.4-1, AISC 360-16
Y	3. MATERIAL IDENTIFICATION	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	4. WELDER IDENTIFICATION	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	5. FIT-UP GROOVE WELDS	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	6. FIT-UP OF CJP GROOVE WELDS	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	7. ACCESS HOLES	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	8. FIT-UP OF FILLET WELDS	----	X	1705.2.1	N5.4-1, AISC 360-16
DURING WELDING					
Y	1. CONTROL AND HANDLING OF WELDING CONSUMABLES	----	X	1705.2.1	N5.4-2, AISC 360-16
Y	2. CRACKED TACK WELDS	----	X	1705.2.1	N5.4-2, AISC 360-16
Y	3. ENVIRONMENTAL CONITIONS	----	X	1705.2.1	N5.4-2, AISC 360-16
Y	4. WPS FOLLOWED	----	X	1705.2.1	N5.4-2, AISC 360-16
Y	5. WELDING TECHNIQUES	----	X	1705.2.1	N5.4-2, AISC 360-16
Y	6. STEEL HEADED ANCHORS	X	----	1705.2.1	N5.4-2, AISC 360-16
AFTER WELDING					
Y	1. WELD IS CLEANED	----	X	1705.2.1	N5.4-3, AISC 360-16
Y	2. SIZE, LENGTH AND LOCATION OF WELDS	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	4. ARC STRIKES	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	5. K-AREA	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	6. WELD ACCESS HOLES	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	7. BACKING AND WELD TABS REMOVED	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	8. REPAIR ACTIVITIES	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/NUMBER	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	10. NO PROHIBITED WELDS	----	X	1705.2.1	N5.4-3, AISC 360-16
NON-DESTRUCTIVE TESTING					
N	1. CJP WELDS (RISK CAT. II)	----	X	1705.2.1	N5.5, AISC 360-16
N	2. CJP WELDS (RISK CAT. III OR IV)	X	----	1705.2.1	N5.5, AISC 360-16
N	3. WELDED JOINTS SUBJECT TO FATIGUE	X	----	1705.2.1	N5.5, AISC 360-16

E. STEEL CONSTRUCTION (STRUCTURAL STEEL) - SECTION 1705.2.1 (CONTINUED)

SPECIAL INSPECTION AND VERIFICATION OF STRUCTURAL STEEL CONSTRUCTION					
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
PRIOR TO BOLTING					
Y	1. CERTIFICATIONS OF FASTENERS	X	----	1705.2.1	N5.6-1, AISC 360-16
Y	2. FASTENERS MARKED	----	X	1705.2.1	N5.6-1, AISC 360-16
Y	3. PROPER FASTENERS FOR JOINT	----	X	1705.2.1	N5.6-1, AISC 360-16
Y	4. PROPER BOLTING PROCEDURE	----	X	1705.2.1	N5.6-1, AISC 360-16
Y	5. CONNECTING ELEMENTS	----	X	1705.2.1	N5.6-1, AISC 360-16
Y	6. PRE-INSTALLED VERIFICATION TESTING	----	X	1705.2.1	N5.6-1, AISC 360-16
Y	7. PROPER STORAGE	----	X	1705.2.1	N5.6-1, AISC 360-16
DURING BOLTING					
Y	1. FASTENER ASSEMBLIES	----	X	1705.2.1	N5.6-2, AISC 360-16
N	2. SNUG TIGHT PRIOR TO PRE-TENSIONING	----	X	1705.2.1	N5.6-2, AISC 360-16
Y	3. FASTENER COMPONENT	----	X	1705.2.1	N5.6-2, AISC 360-16
N	3. PRE-TENSIONED FASTENERS	----	X	1705.2.1	N5.6-2, AISC 360-16
AFTER BOLTING					
Y	1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X	----	1705.2.1	N5.6-3, AISC 360-16
OTHER STEEL INSPECTIONS					
Y	1. STRUCTURAL STEEL DETAILS	----	X	1705.2.1	N5.8, AISC 360-16
Y	2. ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	----	X	1705.2.1	N5.8, AISC 360-16

F. COLD-FORMED STEEL DECK - SECTION 1705.2.2

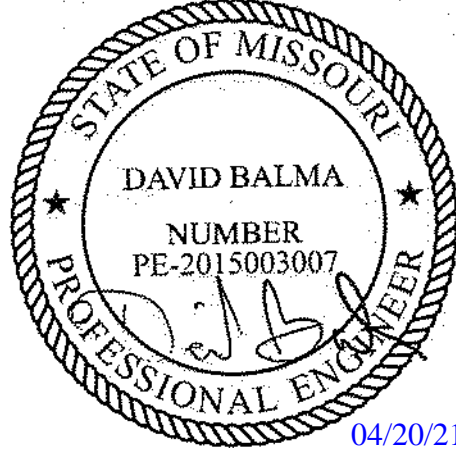
SPECIAL INSPECTION AND VERIFICATION OF OTHER STEEL CONSTRUCTION					
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
PRIOR TO DECK PLACEMENT					
Y	1. VERIFY MATERIAL COMPLIANCE	X	----	1705.2.1	N5.4-1, AISC 360-16
Y	2. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	X	----	1705.2.1	N5.4-1, AISC 360-16
AFTER TO DECK PLACEMENT					
Y	1. VERIFY COMPLIANCE OF INSTALLATION AND DECK MATERIALS	X	----	1705.2.1	N5.4-1, AISC 360-16
Y	2. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	X	----	1705.2.1	N5.4-1, AISC 360-16
PRIOR TO WELDING					
Y	1. VERIFY WELDING PROCEDURES (WPS) AND CONSUMABLE CERTIFICATES	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	2. MATERIAL IDENTIFICATION	----	X	1705.2.1	N5.4-1, AISC 360-16
DURING WELDING					
Y	1. QUALIFIED WELDER	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	2. CONTROL AND HANDLING OF WELDING CONSUMABLES	----	X	1705.2.1	N5.4-2, AISC 360-16
Y	3. ENVIRONMENTAL CONITIONS	----	X	1705.2.1	N5.4-2, AISC 360-16
Y	4. WPS FOLLOWED	----	X	1705.2.1	N5.4-2, AISC 360-16
AFTER WELDING					
Y	1. SIZE, LENGTH AND LOCATION OF WELDS	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	8. REPAIR ACTIVITIES	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/NUMBER	X	----	1705.2.1	N5.4-3, AISC 360-16

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
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JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64043  
CHASE OVP #38200P36899

**CORE STATES**  
GROUP  
CORESTATES, INC.  
1700 Industrial Drive Suite B  
Rogers, AR 72756  
479.956.4400  
www.core-states.com

ENGINEER OF RECORD



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VERSION:	SE_1.00	

SHEET TITLE

STRUCTURAL  
SPECIAL  
INSPECTIONS

SHEET NUMBER

S0.1



STRUCTURAL SPECIAL INSPECTIONS

F. COLD-FORMED STEEL DECK - SECTION 1705.2.2 (CONTINUED)

SPECIAL INSPECTION AND VERIFICATION OF COLD-FORMED STEEL DECK					
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
PRIOR TO MECHANICAL FASTENING					
Y	1. VERIFY INSTRUCTIONS AVAILABLE	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	2. PROPER TOOLS AVAILABLE	----	X	1705.2.1	N5.4-1, AISC 360-16
Y	3 PROPER STORAGE.	----	X	1705.2.1	N5.4-1, AISC 360-16
DURING MECHANICAL FASTENING					
Y	1. FASTENERS ARE POSITIONED AND INSTALLED ACCORDING TO MANUF. INSTRUCTIONS	X	----	1705.2.1	N5.4-1, AISC 360-16
AFTER MECHANICAL FASTENING					
Y	1. SPACING, TYPE AND INSTALLATION OF SUPPORT, SIDELAP AND PERIMETER FASTENERS	X	----	1705.2.1	N5.4-1, AISC 360-16
Y	8. REPAIR ACTIVITIES	X	----	1705.2.1	N5.4-3, AISC 360-16
Y	9. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	X	----	1705.2.1	N5.4-3, AISC 360-16

G. OPEN-WEB STEEL JOISTS AND GIRDERS - TABLE 1705.2.3

REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB JOISTS AND JOIST GIRDERS					
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
	1. INSTALLATION OF OPEN-WEB JOISTS AND JOIST GIDERS				
Y	a. END CONNECTIONS - WELDING OR BOLTED	----	X	1705.2.3	SJI SPECIFICATIONS, SECTION 2207.1
Y	b. BRIDGING - HORIZONTAL OR DIAGONAL	----	---	1705.2.3	----
Y	1. STANDARD BRIDGING	----	X	1705.2.3	SJI SPECIFICATIONS, SECTION 2207.1
Y	2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1	----	X	1705.2.3	----

H. COLD-FORMED STEEL TRUSSES SPANNING > 60 FEET - SECTION 1705.2.4

REQUIRED SPECIAL INSPECTIONS OF COLD-FORMED STEEL TRUSSES SPANNING > 60 FEET					
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA	
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	REFERENCED STANDARD
Y	1. TRUSSES SPANNING > 60 FEET	----	X	1705.2.4	----


I. MASONRY - SECTION 1705.4 (THIS TABLE 3.1.2 - LEVEL B QUALITY ASSURANCE)

MINIMUM TESTS						
VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5B.1.b.3 FOR SELF-CONSOLODATING GROUT						
VERIFICATION OF $f_{m'}$ AND $f_{AAC}$ IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE						
MINIMUM INSPECTION						
SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
		CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	TMS 402/ ACI 530/ ASCE 5	TMS 602/ ACI 530.1/ ASCE 6
Y	1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	----	X	1705.4		ART. 1.5
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:						
Y	a. PROPORTIONS OF SITE-PREPARED MORTAR	----	X	1705.4		ART. 2.1, 2.6A
Y	b. CONSTRUCTION OF MORTAR JOINTS	----	X			ART. 3.3B
N	c. GRADE AND SIZE OF PRE-STRESSING TENDONS AND ANCHORAGES	----	X	1705.4		ART 2.4B, 2.4H
Y	d. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRE-STRESSING TENDONS AND ANCHORAGES	----	X	1705.4		ART. 3.4, 3.6A
N	e. PRE-STRESSING TECHNIQUE	----	X	1705.4		ART. 3.6B
N	f. PROPERTIES OF THIN-BED MORTAR FOR ACC MASONRY	----	X	1705.4		ART. 2.1C
3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:						
Y	a. GROUT SPACE	----	X			ART. 3.2D, 3.2F
Y	b. GRADE, TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRE-STRESSING TENDONS AND ANCHORAGES	----	X	1705.4	SEC. 6.1	ART. 2.4, 3.4
Y	c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRE-STRESSING TENDONS AND ANCHORAGES	----	X	1705.4	SEC. 6.1, 6.2.1, 6.2.6, 6.2.7	ART. 3.2E, 3.4, 3.6A
Y	d. PROPORTIONS OF SITE-PREPARED GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS	----	X	1705.4		ART. 2.6B, 2.4G.1.b
Y	e. CONSTRUCTION OF MORTAR JOINTS	----	X	1705.4		ART. 3.3B
4. VERIFY DURING CONSTRUCTION:						
Y	a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	----	X	1705.4		ART. 3.3F
Y	b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	----	X	1705.4	SEC. 1.2.1(e), 6.1.4.3, 6.2.1	
N	c. WELDING OF REINFORCEMENT	X	----		SEC. 8.1.6.7.2, 9.3.3.4(c), 11.3.3.4(b)	
Y	d. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F(4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F(32.2°C))	----	X	1705.4		ART. 1.8C, 1.8D
N	e. APPLICATION AND MEASUREMENT OF PRE-STRESSSSING FORCE	X	----	1705.4		ART. 3.6B
N	f. PLACEMENT OF GROUT AND PRE-STREEING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X	----	1705.4		ART. 3.5, 3.6C
N	g. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	----	X	1705.4		ART. 3.3B.9, 3.3F.1.b
Y	5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	----	X	1705.4		ART. 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4

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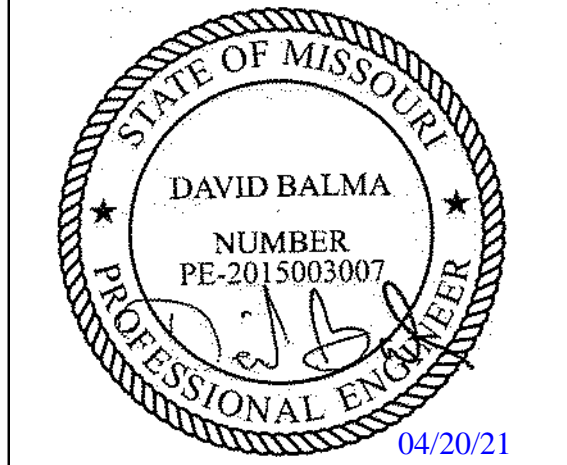


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HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
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CHASE OVP #38200P368999



1700 Industrial Drive Suite B  
Rogers, AR 72756  
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-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	J.PEREZ
CHECKED BY:	E.SCALGIONE
VERSION:	SE_1.00

SHEET TITLE

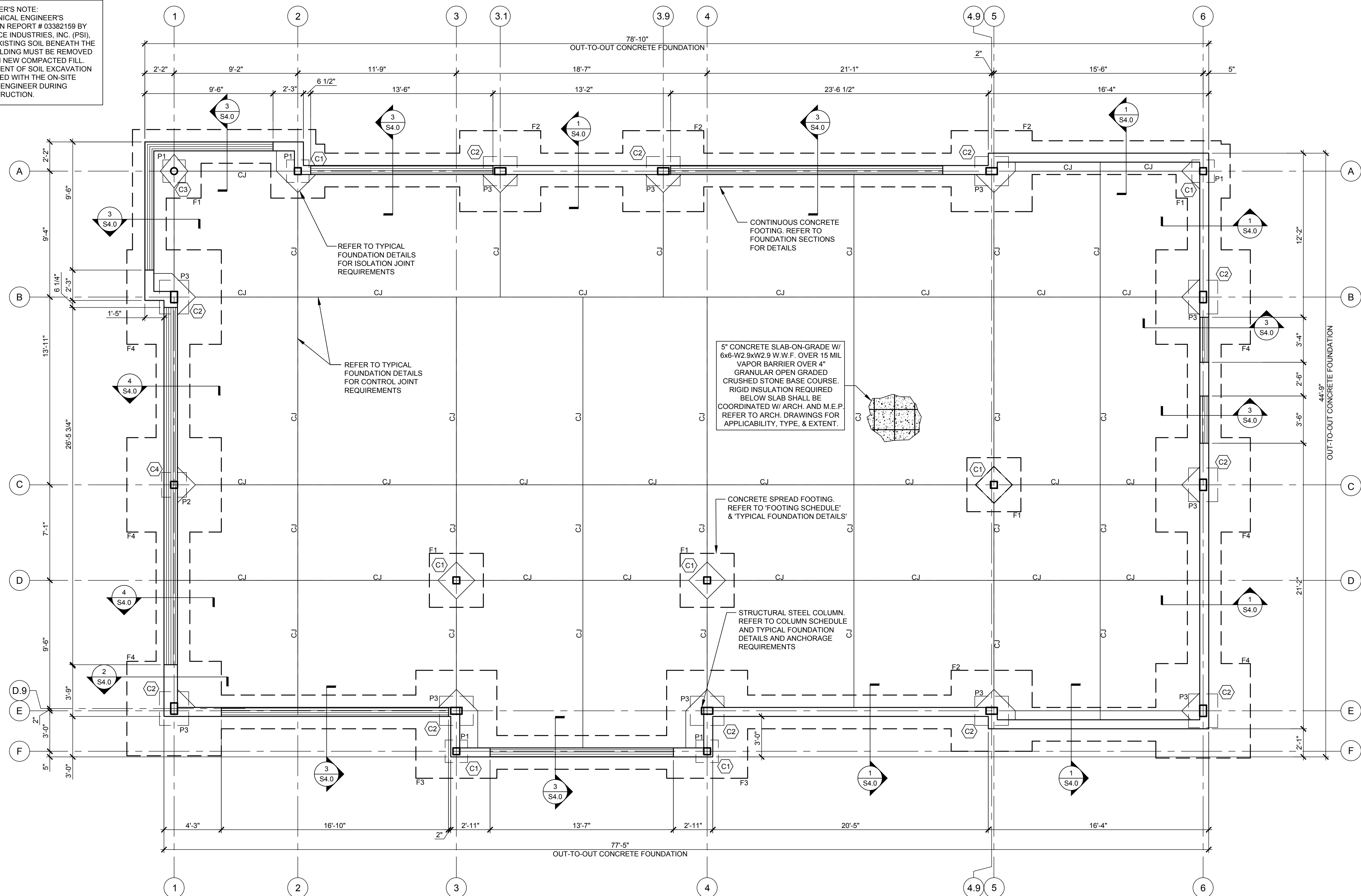
STRUCTURAL  
SPECIAL  
INSPECTIONS II

SHEET NUMBER

S0.2



ENGINEER'S NOTE:  
PER GEOTECHNICAL ENGINEER'S  
RECOMMENDATIONS IN REPORT # 0382159 BY  
PROFESSIONAL SERVICE INDUSTRIES, INC. (PSI),  
2FT OR MORE OF THE EXISTING SOIL BENEATH THE  
FOOTPRINT OF THE BUILDING MUST BE REMOVED  
AND REPLACED WITH NEW COMPACTED FILL.  
EXACT DEPTH AND EXTENT OF SOIL EXCAVATION  
TO BE COORDINATED WITH THE ON-SITE  
GEOTECHNICAL ENGINEER DURING  
CONSTRUCTION.



- FOUNDATION PLAN NOTES:**
- ALL ELEVATIONS BASED ON TOP OF SLAB-ON-GRADE ELEVATION = (0'-0").
  - EXTERIOR FOOTINGS SHALL EXTEND A MINIMUM OF 36" BELOW FINAL ADJACENT GRADE FOR FROST PROTECTION.
  - TOP OF FOOTING ELEVATION = (-2'-8") BELOW TOP OF SLAB-ON-GRADE, UNLESS NOTED OTHERWISE. ELEVATIONS WILL VARY AT STEPPED FOOTINGS.
  - TOP OF PIER ELEVATION = (-0'-8") BELOW TOP OF SLAB-ON-GRADE, UNLESS NOTED OTHERWISE.
  - REFER TO GEOTECHNICAL REPORT FOR SUBGRADE MEASURES BENEATH FOOTINGS AND FIRST FLOOR SLAB-ON-GRADE.
  - REFER TO THIS SHEET FOR COLUMN AND FOOTING SCHEDULE.
  - REFER TO SHEET S0.0 FOR GENERAL NOTES.
  - REFER TO PLUMBING DRAWINGS AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ALL FLOOR DRAINS & SLAB PENETRATIONS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
  - COORDINATE DOOR LOCATIONS WITH ARCHITECTURAL DRAWINGS.
  - COORDINATE LOCATIONS OF PLUMBING LINES WITH PLUMBER PRIOR TO POURING FOOTINGS AND SLAB-ON-GRADE.
  - REFERENCE CIVIL DRAWINGS FOR ALL EXTERIOR SIDEWALKS, RAMPS & STOOPS.
  - ALL FOOTINGS SHALL BE CENTERED ON COLUMNS UNLESS NOTED OTHERWISE ON PLAN.
  - CONTRACTOR TO COORDINATE WITH CIVIL/SITE DRAWINGS WHERE CONCRETE SIDEWALK ABUTS BUILDING FOUNDATION.

- LEGEND:**
- DENOTES OUTLINE OF CONCRETE FOOTING EDGE BELOW SLAB AND FINISHED GRADE.
  - CJ DENOTES SLAB CONTROL JOINT. REFER TO TYPICAL FOUNDATION DETAILS SHEET FOR ADDITIONAL INFORMATION.
  - F\_ DENOTES CONCRETE FOOTING TYPE. REFER TO 'FOOTING SCHEDULE' THIS SHEET FOR SIZE REQUIREMENTS AND ADDITIONAL INFORMATION.
  - C\_ DENOTES COLUMN TYPE. REFER TO 'COLUMN SCHEDULE' THIS SHEET FOR SIZE REQUIREMENTS AND ADDITIONAL INFORMATION.
  - == DENOTES THRESHOLD AT FOUNDATION. REFER TO FOUNDATION SECTIONS FOR DETAILS.

COLUMN SCHEDULE						
COLUMN MARK	COLUMN SIZE	BASE PLATE SIZE t x B x D	BASE PLATE TYPE	ANCHOR RODS	BTM. OF BASE PL. EL.	REMARKS / TYPE
C1	HSS6x6x1/4	SEE SCHEDULE	A	SEE SCHEDULE	T.O. PIER/FTG. + GROUT	GRAVITY COLUMN
C2	HSS10x6x3/8	SEE SCHEDULE	B	SEE SCHEDULE	T.O. PIER/FTG. + GROUT	MOMENT COLUMN
C3	HSS6x1/4	SEE SCHEDULE	A	SEE SCHEDULE	T.O. PIER/FTG. + GROUT	GRAVITY COLUMN
C4	HSS6x6x1/4	SEE SCHEDULE	C	SEE SCHEDULE	T.O. PIER/FTG. + GROUT	MOMENT COLUMN

NOTE: REFER TO TYPICAL FOUNDATION DETAILS FOR ANCHOR ROD AND BASE PLATE REQUIREMENTS.

FOOTING MARK	SIZE			REINFORCEMENT		REMARKS / TYPE
	W (WIDTH)	L (LENGTH)	D (DEPTH)	REINF. BARS (LONG DIRECTION)	REINF. BARS (SHORT DIRECTION)	
F1	4'-0"	4'-0"	1'-0"	(5)-#5 BOTT.	(5)-#5 BOTT.	REFER TO TYPICAL FOUNDATION DETAILS
F2	6'-0"	6'-0"	1'-4"	(7)-#6 T&B	(7)-#6 T&B	REFER TO TYPICAL FOUNDATION DETAILS
F3	6'-0"	8'-0"	1'-4"	(7)-#6 T&B	(9)-#6 T&B	REFER TO TYPICAL FOUNDATION DETAILS
F4	7'-6"	7'-6"	1'-4"	(9)-#6 T&B	(9)-#6 T&B	REFER TO TYPICAL FOUNDATION DETAILS

NOTE: REFER TO TYPICAL FOUNDATION DETAILS FOR FOOTING AND ANCHOR ROD REQUIREMENTS.

PIER MARK	SIZE		REINFORCEMENT		REINFORCING CONFIGURATION	REMARKS
	W (WIDTH)	L (LENGTH)	VERTICAL BARS	TIES		
P1	20"	20"	(4)-#6	(1)-#4 CLOSED @12" O.C.		REFER TO TYPICAL FOUNDATION DETAILS
P2	30"	26"	(8)-#8	(2)-#4 CLOSED @12" O.C.		REFER TO TYPICAL FOUNDATION DETAILS
P3	22"	22"	(8)-#8	(2)-#4 CLOSED @12" O.C.		REFER TO TYPICAL FOUNDATION DETAILS

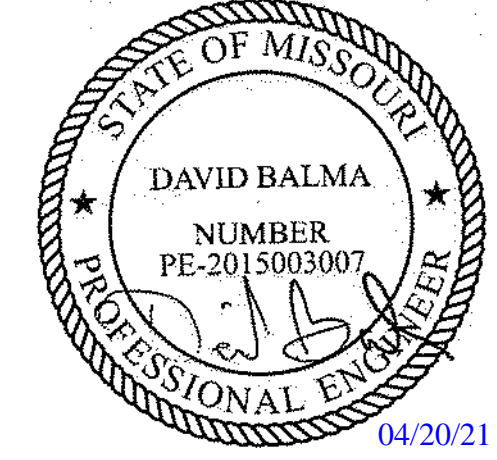
NOTE: ALL PIER TIES SHALL POSSESS 135° HOOKS AT CLOSURE. REFER TO TYPICAL FOUNDATION DETAILS FOR ADDITIONAL INFORMATION.

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**CORE STATES**  
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**PROTOTYPE:** 20.2  
DRAWN BY: J.PEREZ  
CHECKED BY: E.SCALGIONE  
VERSION: SE\_1.00

SHEET TITLE

**FOUNDATION  
PLAN**

SHEET NUMBER

**S1.0**

FOUNDATION PLAN

SCALE  
1/4"=1'-0"

1



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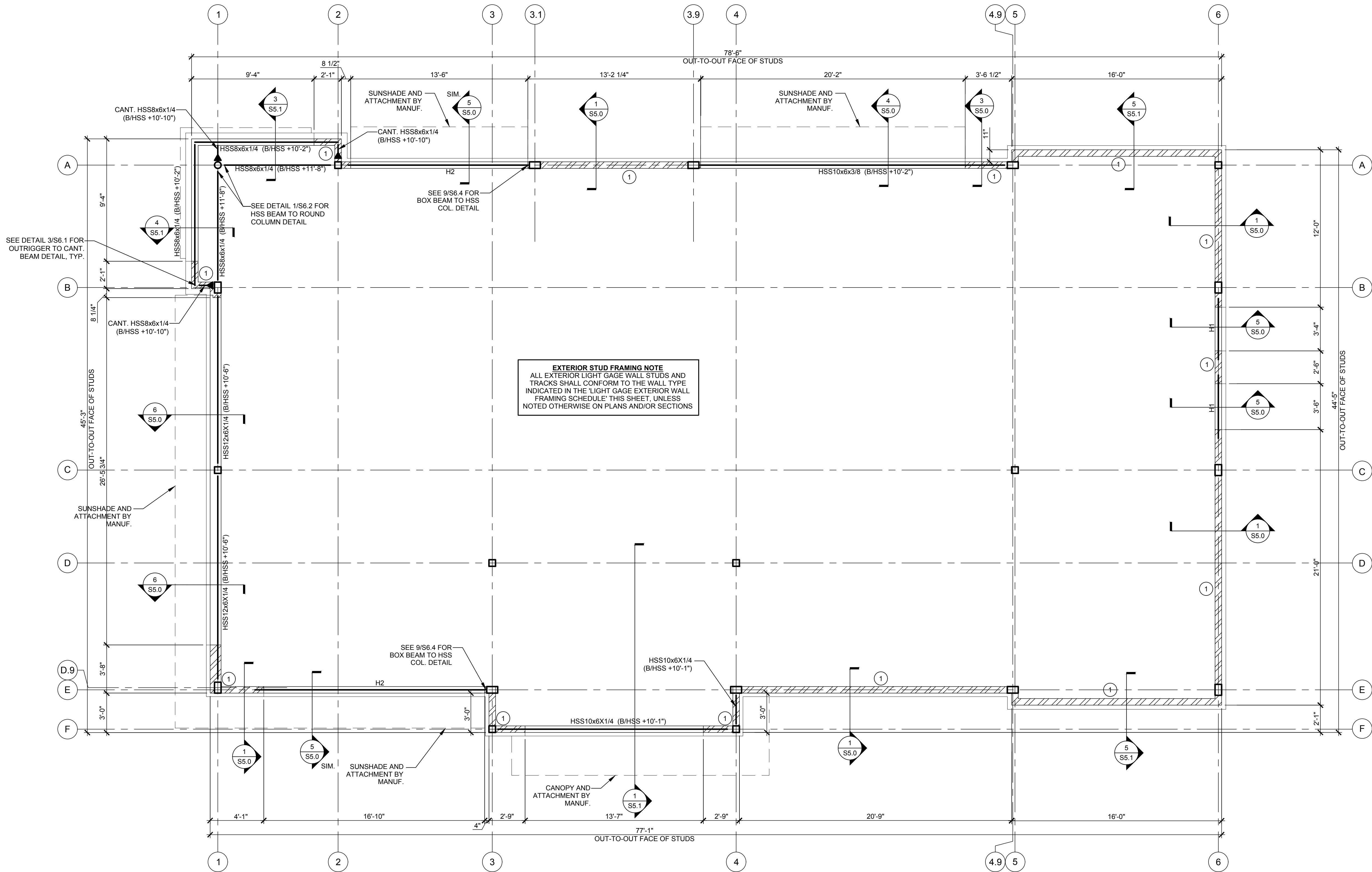
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CHECKED BY:	E.SCALGIONE	
VERSION:	SE_1.00	

SHEET TITLE

WALL AND LOW  
FRAMING PLAN

SHEET NUMBER

S2.0



- FRAMING PLAN NOTES**
- ALL ELEVATIONS BASED ON TOP OF SLAB-ON-GRADE ELEVATION = (0'-0").
  - ALL CONNECTIONS OF COLD FORMED METAL FRAMING TO CONCRETE OR STRUCTURAL STEEL SHALL UTILIZE HILTI "X-U" UNIVERSAL POWDER DRIVEN FASTENERS, OR APPROVED EQUAL. SHANK DIAMETER SHALL EQUAL 0.157" AND THE MINIMUM EMBEDMENT INTO CONCRETE SHALL BE 1 1/4" (TYP.). PRODUCT ICC-ES REPORT #: ESR-2269.
  - ALL CONNECTIONS OF COLD FORMED METAL FRAMING TO COLD FORMED METAL FRAMING SHALL UTILIZE HILTI SELF-DRILLING SCREWS, OR APPROVED EQUAL. PRODUCT ICC-ES REPORT #: ESR-2196.
  - "SCREWS" - INDICATES HILTI SELF-DRILLING SCREWS, OR APPROVED EQUAL.
  - REFER TO SHEET S0.0 FOR GENERAL NOTES REGARDING COLD FORMED METAL FRAMING AND SHEATHING ATTACHMENT.
  - REFER TO SHEET SERIES S6 FOR TYPICAL COLD FORMED METAL FRAMING DETAILS.

- LEGEND:**
- DENOTES LIGHT GAGE METAL STUD WALL. REFER TO "LIGHT GAGE EXTERIOR WALL FRAMING SCHEDULE" FOR STUD SIZE, SPACING AND ADDITIONAL INFORMATION.
  - DENOTES MOMENT FRAME CONNECTION. REFER TO TYPICAL STEEL BEAM CONNECTION SCHEDULE FOR DETAILS.
  - DENOTES EXTERIOR WALL VENEER. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - DENOTES 8" CMU BLOCK WALLS W/ #5 VERT. REINF. GROUTED FULL HEIGHT @ 32" O.C. PROVIDE (2) #6 BARS (1 IN EACH CELL) AT WALL ENDS, AND CORNERS.

LIGHT GAGE EXTERIOR WALL FRAMING SCHEDULE			
ITEM TAG	FRAMING MEMBER	PART IDENTIFICATION CODE	NOTES:
<b>6" STUD WALL</b>			
1	TYP. STUD SIZE AND SPACING	600S162-54 @16" O.C.	REFER TO TYPICAL LIGHT GAGE DETAILS
	TOP & BOTTOM TRACKS	600T125-43	REFER TO TYPICAL LIGHT GAGE DETAILS
<b>6" STUD WALL OPENING FRAMING</b>			
H1	JAMB STUD ASSEMBLY	3-PIECE ASSEMBLY: STUD SIZE - (2)-600S162-54 TRACK SIZE - 600T125-43	REFER TO TYPICAL LIGHT GAGE DETAILS
	BOX HEADER ASSEMBLY	STUD SIZE - (2)-800S162-54 TRACK SIZE - 600T125-43 T&B	REFER TO TYPICAL LIGHT GAGE DETAILS
	SILL	STUD SIZE - (1)-600S162-54 TRACK SIZE - (2)-600T125-43	REFER TO TYPICAL LIGHT GAGE DETAILS
H2	JAMB STUD ASSEMBLY	3-PIECE ASSEMBLY: STUD SIZE - (2)-600S162-54 TRACK SIZE - 600T125-43	REFER TO TYPICAL LIGHT GAGE DETAILS
	BOX HEADER ASSEMBLY	STUD SIZE - (2)-1600S162-68 TRACK SIZE - 600T125-43 T&B	REFER TO TYPICAL LIGHT GAGE DETAILS

NOTE: MEMBER TYPES AND SIZES TO BE CONSIDERED TYPICAL UNLESS NOTED OTHERWISE ON PLAN AND/OR SECTIONS.

**MEMBER DEPTH:**  
(EXAMPLE: 6" = 600 x 1/1000 INCHES)  
ALL MEMBER DEPTHS ARE TAKEN AS 1/1000 INCHES.

**FLANGE WIDTH:**  
(EXAMPLE: 1 5/8" = 1.62 X 1/1000 INCHES)  
ALL FLANGE WIDTHS ARE TAKEN AS 1/1000 INCHES.

**MATERIAL THICKNESS:**  
(EXAMPLE 0.054" = 54 MILS & 1 MIL = 1/1000 INCHES)  
43 = 18 GAGE  
54 = 16 GAGE  
68 = 14 GAGE  
97 = 12 GAGE

**STYLE:**  
(EXAMPLE: STUD OR JOIST SECTION = S)  
S = STUD OR JOIST SECTIONS  
T = TRACK SECTIONS  
U = CHANNEL SECTIONS  
F = FURRING CHANNEL SECTIONS

**LIGHT GAGE METAL FRAMING  
PRODUCT IDENTIFICATION**

ACCORDING TO STEEL STUD MANUFACTURERS  
ASSOCIATION FOUR PART IDENTIFICATION CODE SYSTEM

**COLD-FORMED METAL FRAMING NOTE**  
ALL COLD FORMED METAL FRAMING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT PER APPLICABLE BUILDING CODE REQUIREMENTS. SUBMIT STAMPED AND SIGNED CALCULATIONS TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.



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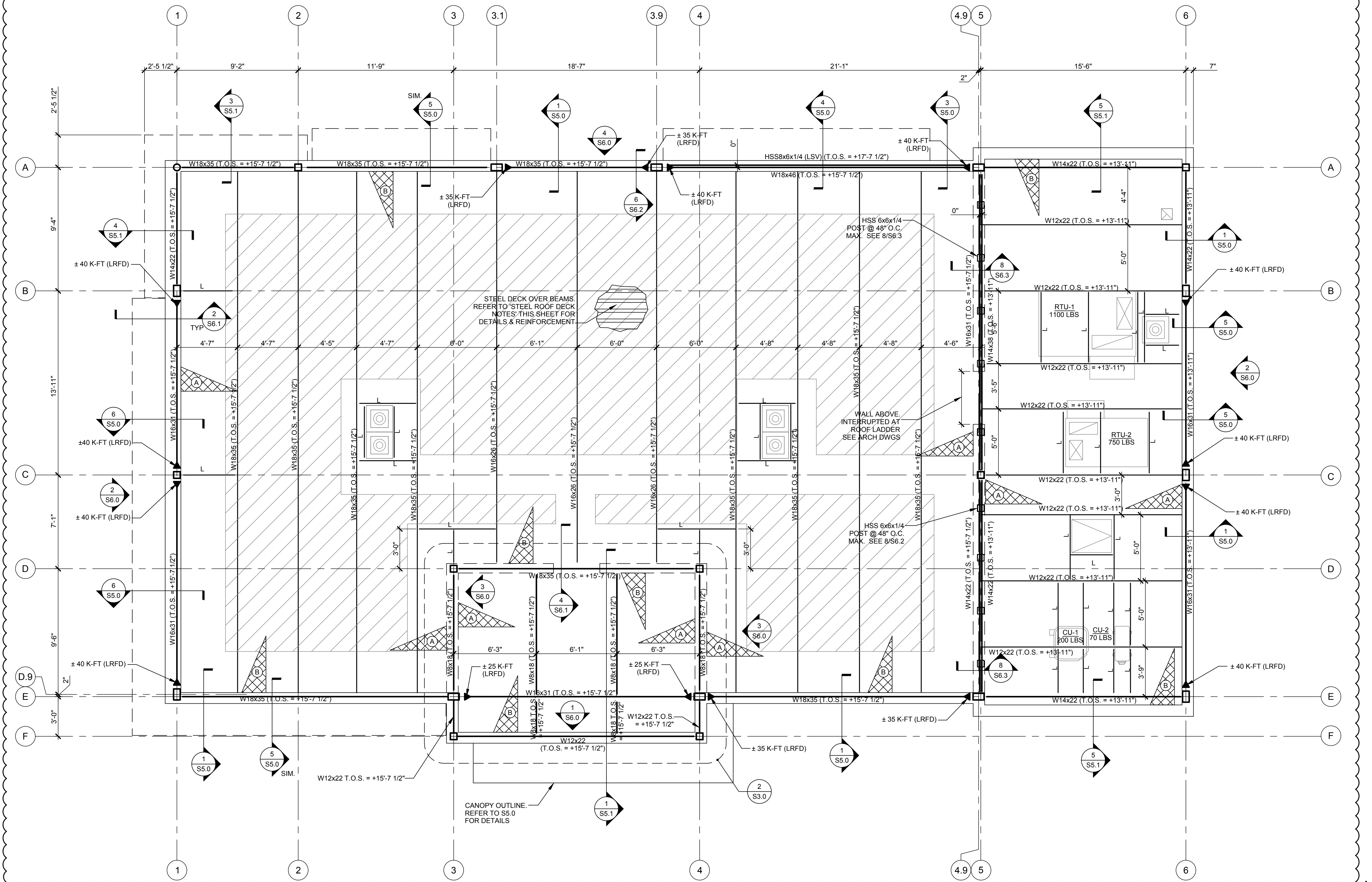
PROJECT INFORMATION		
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DRAWN BY:	J.PEREZ	
CHECKED BY:	E.SCALIGIONE	
VERSION:	SE.1.00	

SHEET TITLE

ROOF FRAMING PLAN

SHEET NUMBER

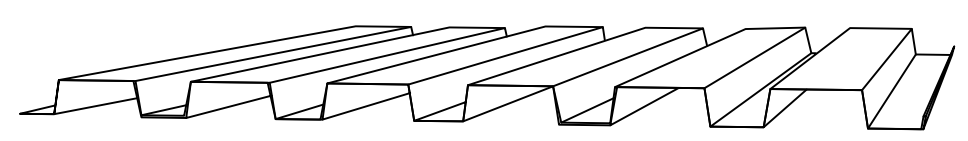
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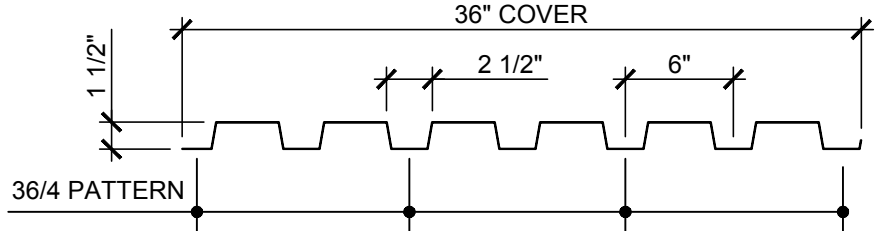
STEEL ROOF DECK NOTES

- METAL DECK SHALL BE 1-1/2" INCH DEEP G-90 GALVANIZED STEEL, DESIGN THICKNESS 0.0295" (22 GAGE), TYPE 'B' BY VULCRAFT CORPORATION (OR APPROVED EQUIVALENT).
- STEEL DECK FASTENING REQUIREMENTS FOR DIAPHRAGM:  
A. PERIMETER AND INTERMEDIATE SUPPORT ATTACHMENT: 5/8"Ø PUDDLE WELD, 4 PER SHEET (36/4 PATTERN).  
B. DECK SIDELAP FASTENING: (2) - #10 SELF-DRILLING SCREWS.
- DECK SHALL BE CONTINUOUS OVER A MINIMUM OF 3 SPANS (4 SUPPORTS).
- ALL SHEET STEEL USED FOR DECK SHALL POSSESS A MINIMUM YIELD STRESS (Fy) THAT MEETS OR EXCEEDS 33 KSI.
- STEEL DECK SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A1008 / A1008M AND AISI 2100, SECTION A2.
- GALVANIZING SHALL CONFORM TO ASTM A653 / A653M.
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

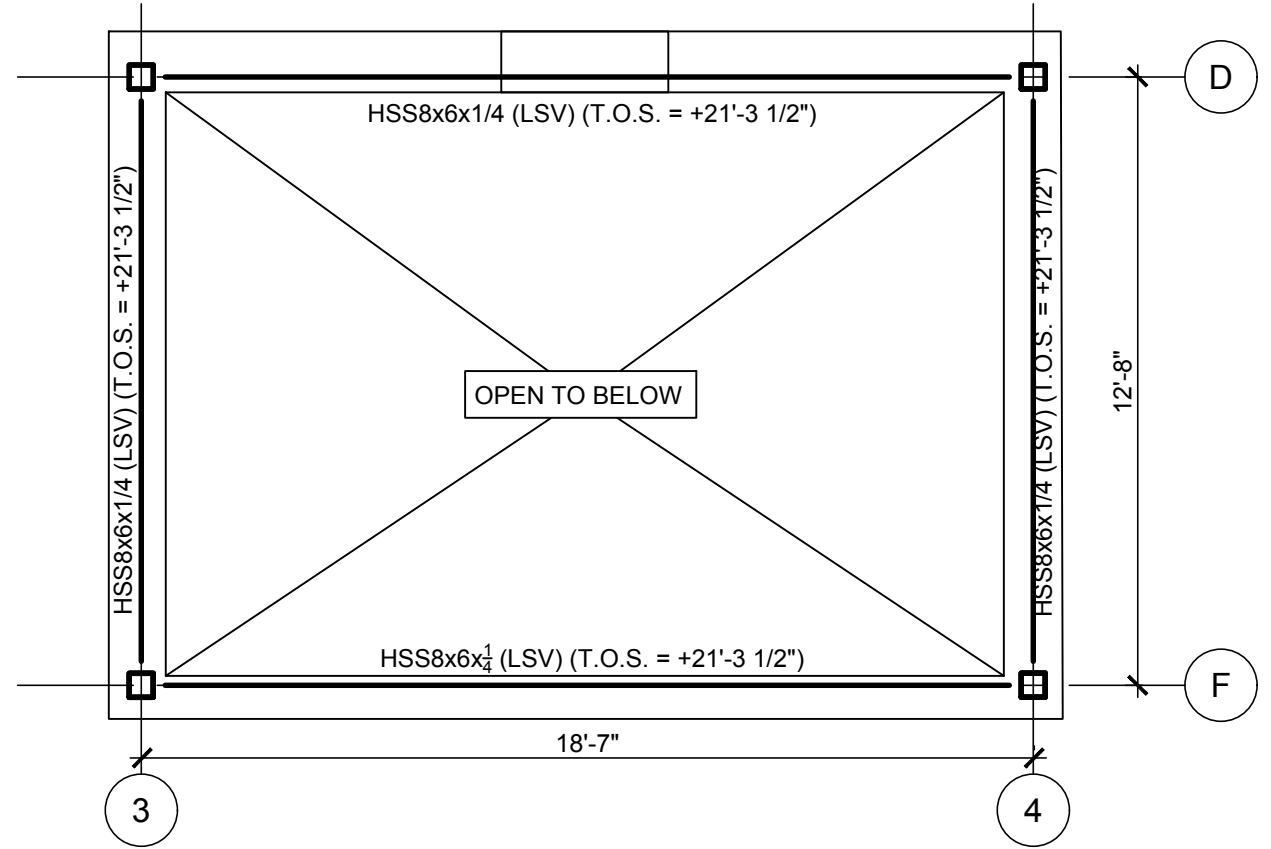
SECTION PROPERTIES (Fy=33 KSI)					
GAUGE	DESIGN THICKNESS	WEIGHT (psf)	I (in4/ft)	Sp (in3/ft)	Sn (in3/ft)
22	0.0295	1.78	0.169	0.186	0.192



ISOMETRIC VIEW  
NOT TO SCALE



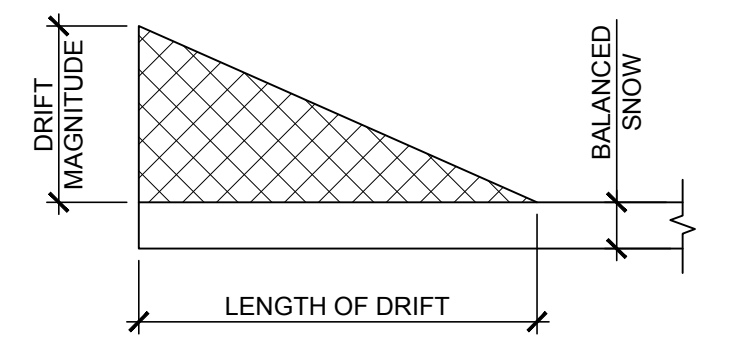
FRONT VIEW  
NOT TO SCALE



- FRAMING PLAN NOTES:**
- ALL ELEVATIONS BASED ON TOP OF SLAB-ON-GRADE ELEVATION = (0'-0").
  - REFER TO SHEET S0.0 FOR GENERAL NOTES.
  - TOP OF STEEL BEAM ELEVATIONS NOTED ON PLAN.
  - REFER TO SHEET SERIES S6 FOR FRAME ELEVATIONS AND STEEL CONNECTION DETAILS.

- LEGEND:**
- DENOTES MOMENT FRAME CONNECTION. REFER TO TYPICAL STEEL BEAM CONNECTION SCHEDULE FOR DETAILS.  
ALL MOMENT CONNECTIONS SHALL BE DESIGNED TO A STRENGTH-LEVEL (LRFD) LOAD OF ±25 K-FT, UNLESS NOTED OTHERWISE ON FRAMING PLANS. MOMENTS INDICATED ON PLAN ARE PER STRENGTH-LEVEL (LRFD) LOAD CONDITIONS.
  - L DENOTES ANGLE FRAMING BELOW ROOF TOP EQUIPMENT. REFER TO TYPICAL STEEL DETAILS FOR FRAMING REQUIREMENTS.
  - DESIGNED FOR ADDITIONAL 10 PSF FUTURE DEAD LOAD

SNOW DRIFT INFORMATION: 20 PSF GROUND SNOW LOAD		
SNOW DRIFT	DRIFT MAGNITUDE	LENGTH OF DRIFT
A	35.1 PSF TO 0 PSF	8'-6"
B	26.2 PSF TO 0 PSF	6'-4"



SNOW DRIFT DIAGRAM

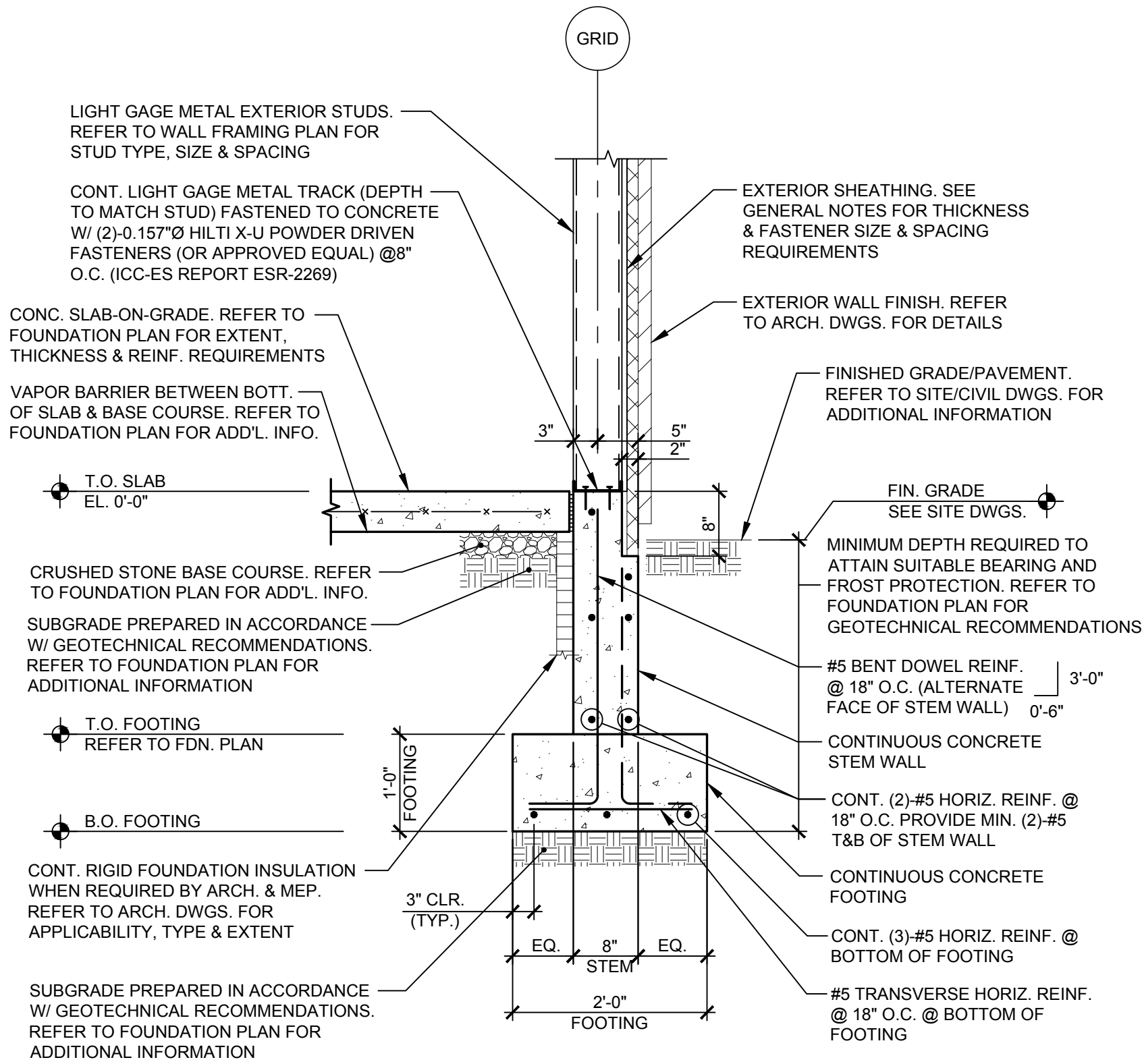
ROOF FRAMING PLAN

SCALE  
1/4"=1'-0"

1



- TYPICAL SECTION NOTES:
1. REFER TO "FOUNDATION PLAN" FOR INFORMATION NOT PROVIDED IN SECTION.
  2. REFER TO SHEET SERIES S6 FOR TYPICAL LIGHT GAGE FRAMING REQUIREMENTS.
  3. REFER TO ARCHITECTURAL DRAWINGS FOR INSULATION AND EXTERIOR FINISH REQUIREMENTS.

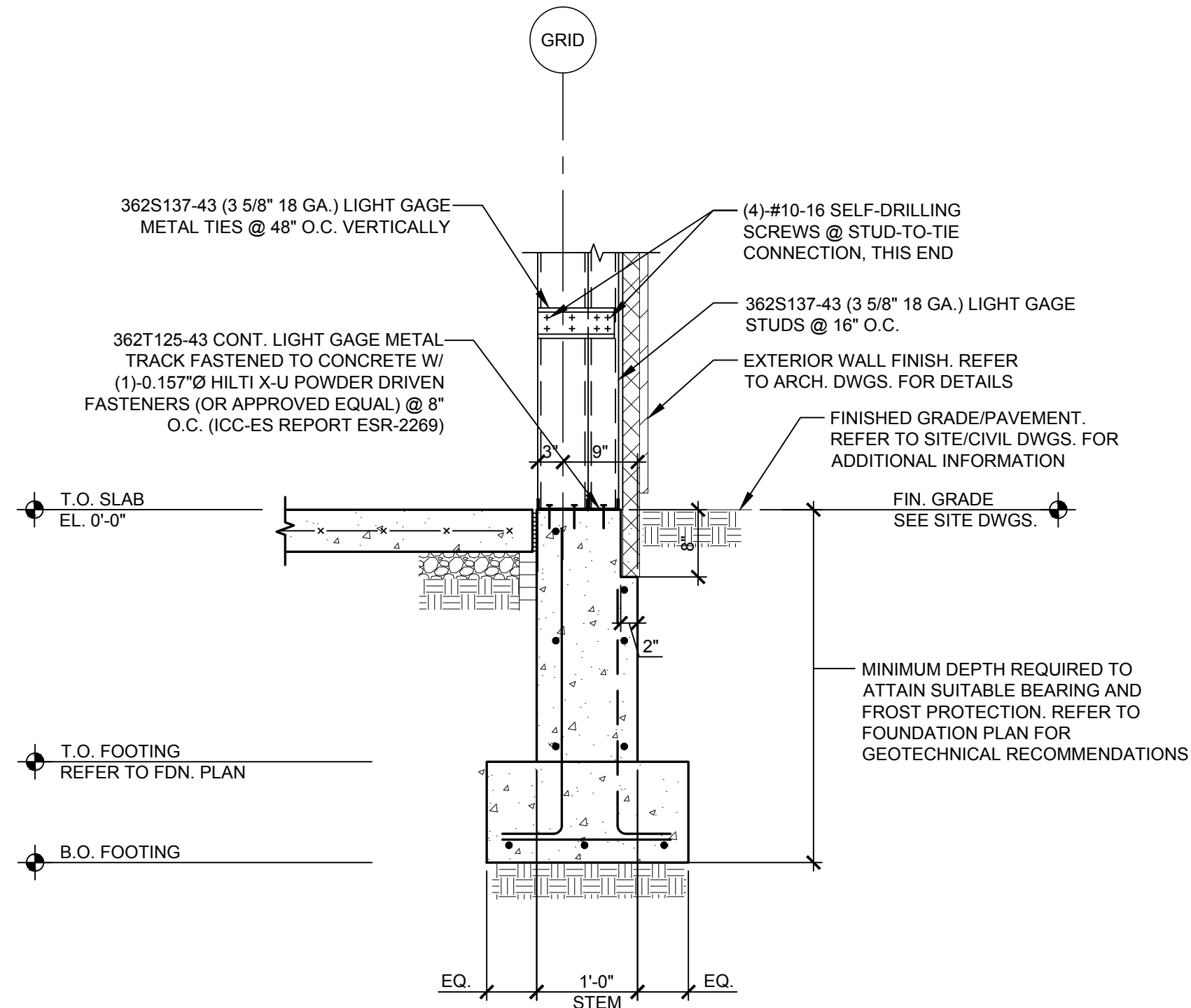


TYPICAL FOUNDATION SECTION

SCALE  
3/4"=1'-0"

1

REFER TO SECTION 1/S4.0 FOR  
ADDITIONAL INFORMATION

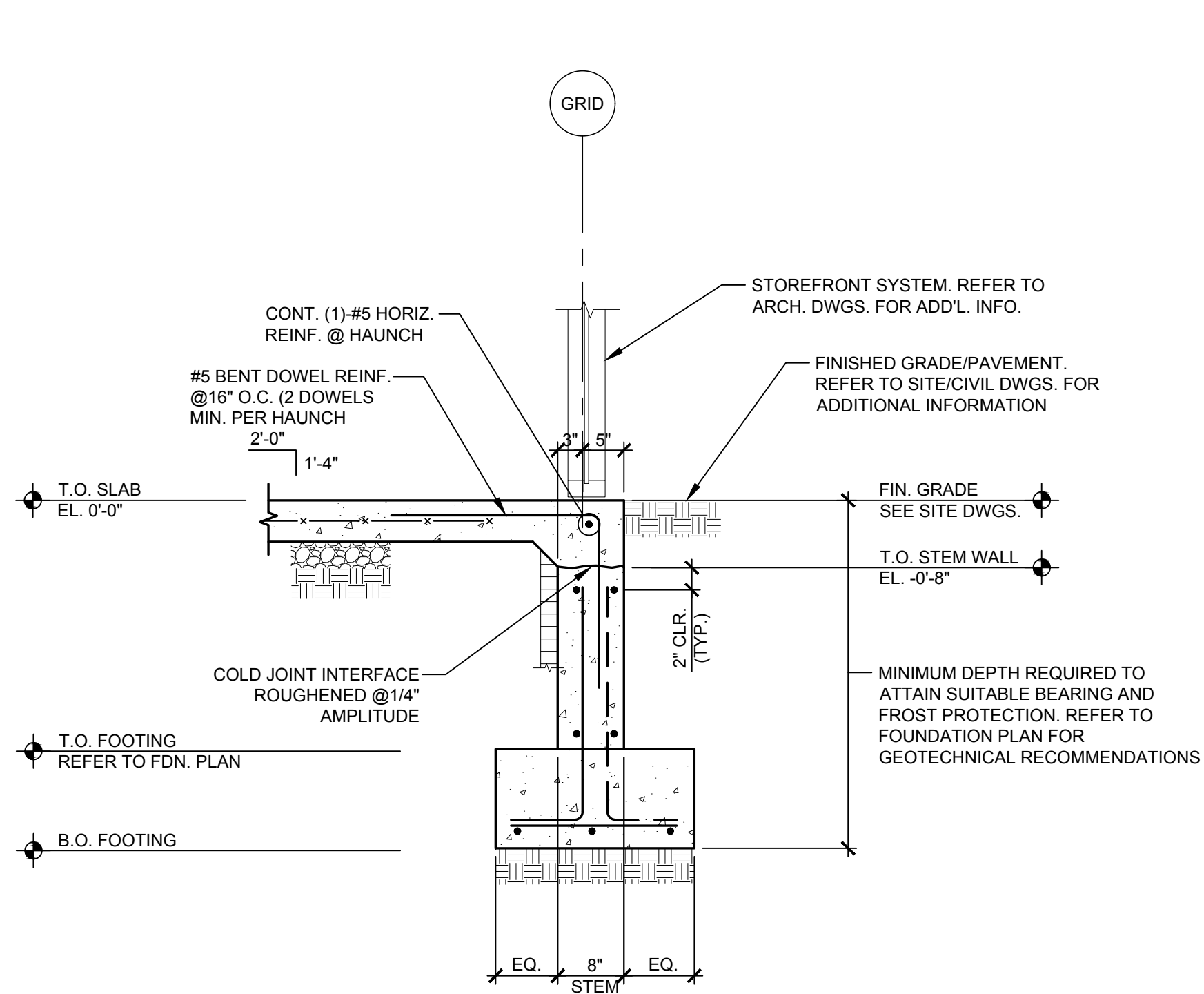


FOUNDATION SECTION AT DOUBLE WALL

SCALE  
3/4"=1'-0"

2

REFER TO SECTION 1/S4.0 FOR  
ADDITIONAL INFORMATION

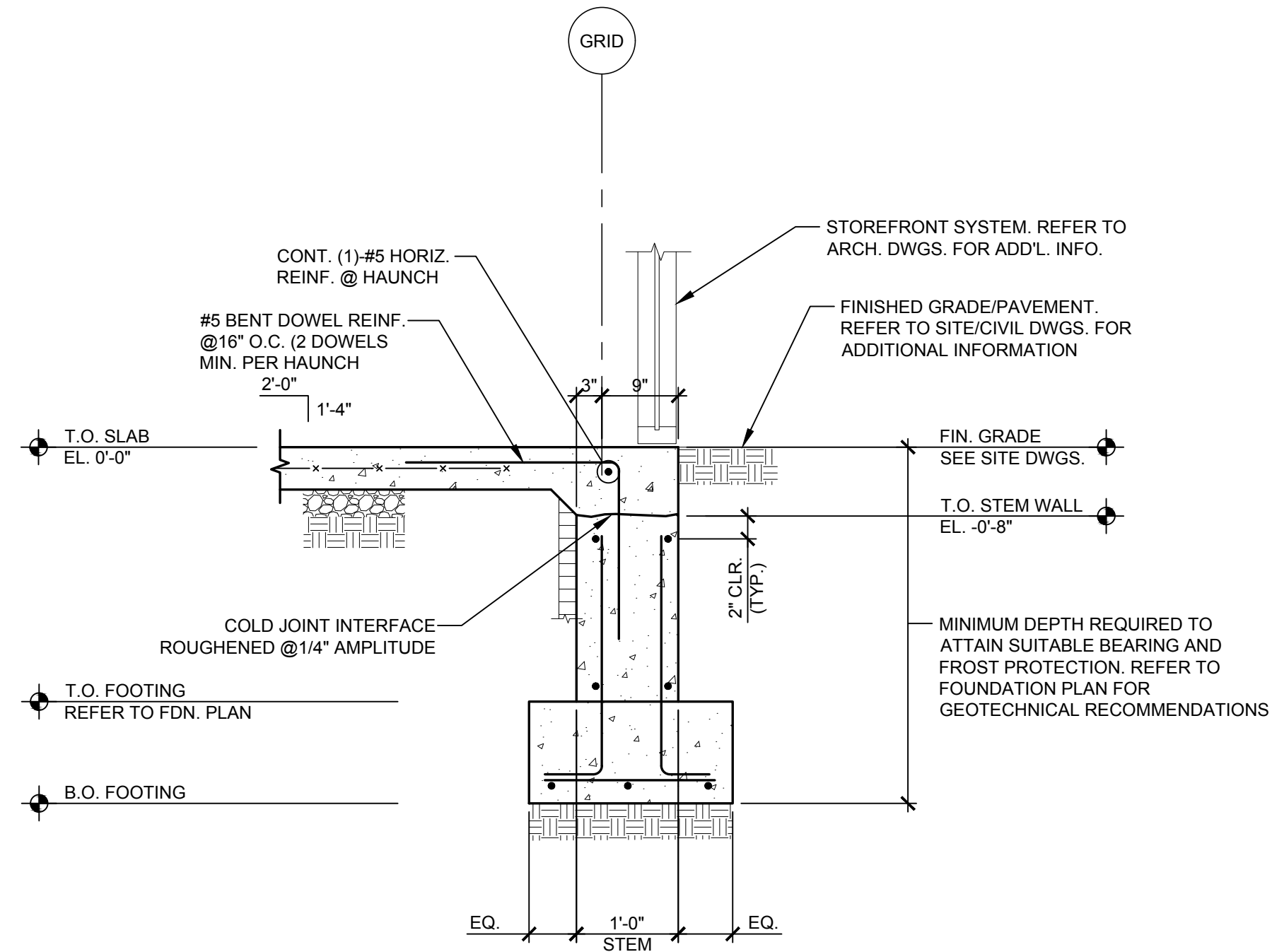


FOUNDATION SECTION AT DOOR/WINDOW

SCALE  
3/4"=1'-0"

3

REFER TO SECTION 1/S4.0 FOR  
ADDITIONAL INFORMATION



FOUNDATION SECTION AT DOUBLE WALL WINDOW

SCALE  
3/4"=1'-0"

4

NOT USED

SCALE  
3/4"=1'-0"

5

NOT USED

SCALE  
3/4"=1'-0"

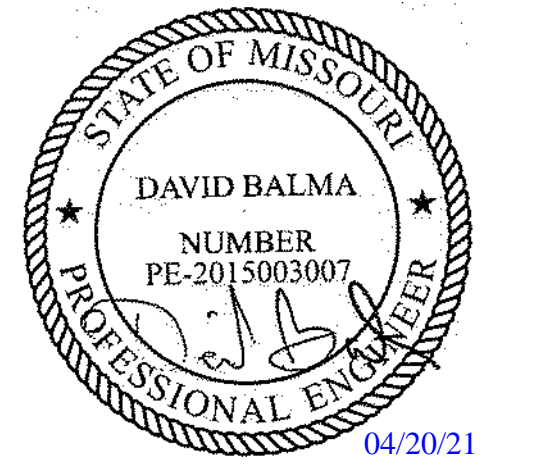
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**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
1700 Industrial Drive Suite B  
Rogers, AR 72756  
479.956.4400  
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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	J.PEREZ	
CHECKED BY:	E.SCALGIONE	
VERSION:	SE_1.00	

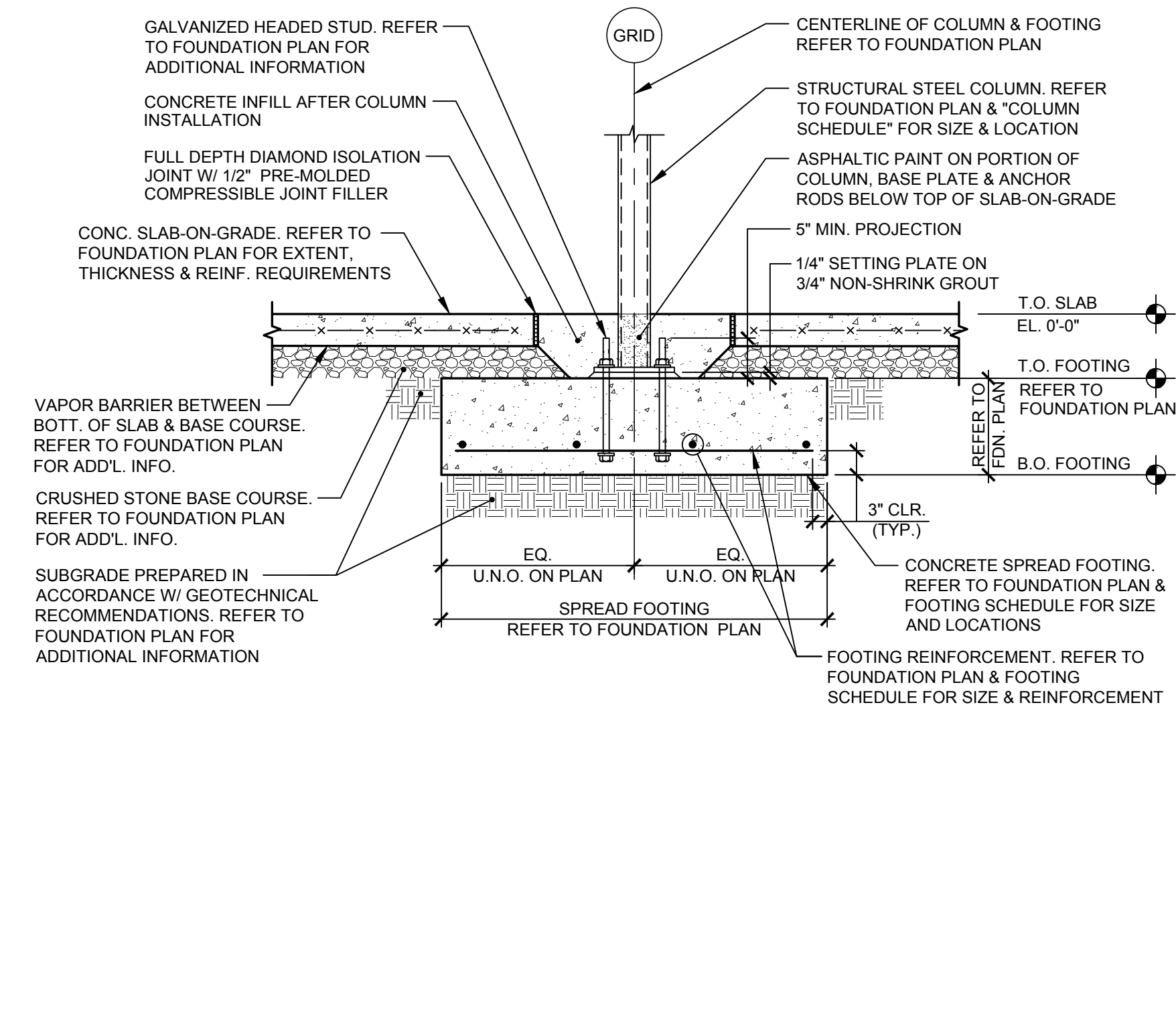
SHEET TITLE

FOUNDATION  
SECTIONS

SHEET NUMBER

S4.0

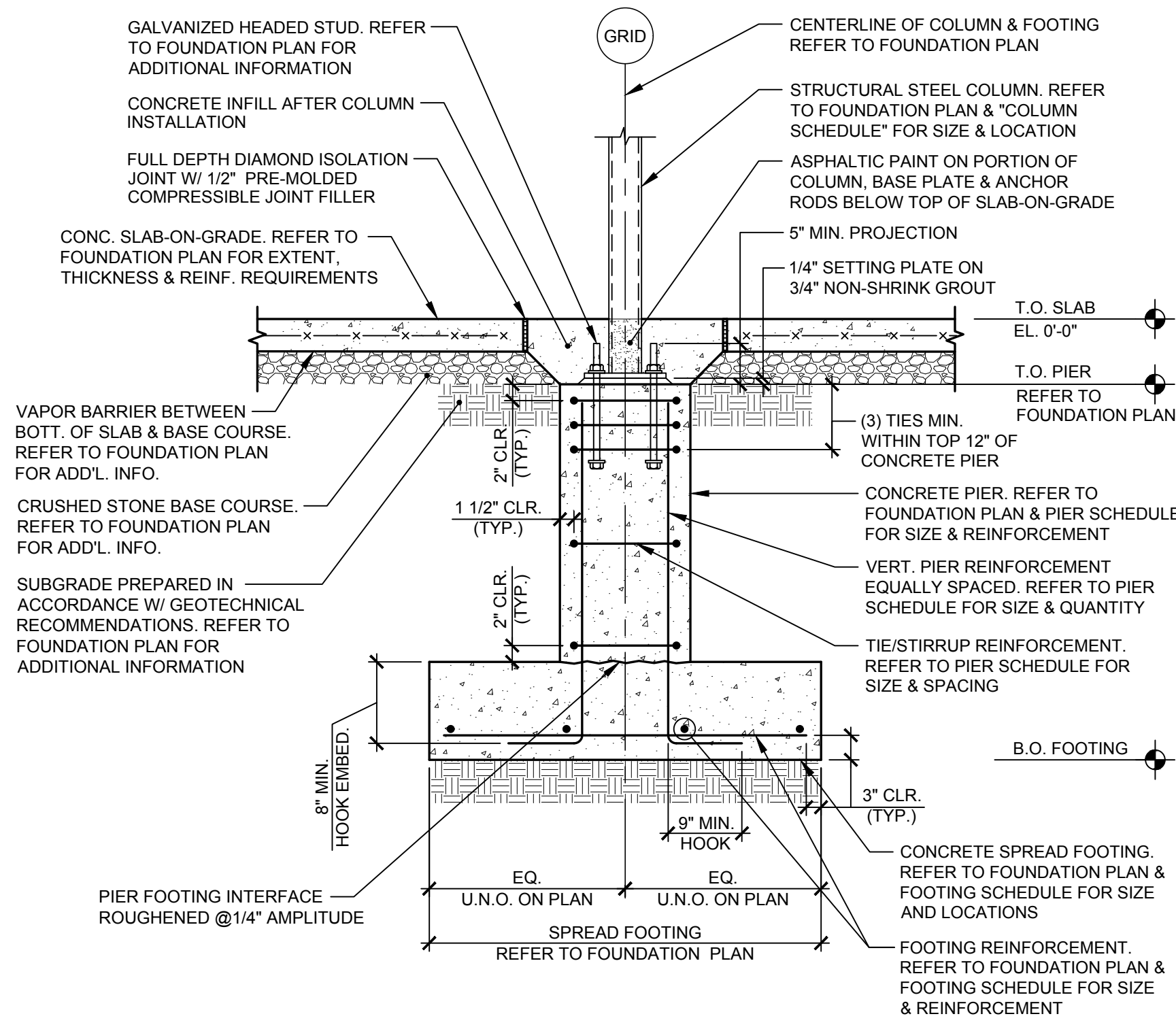




INTERIOR COLUMN FOOTING DETAIL (NO PIER)

SCALE  
3/4"=1'-0"

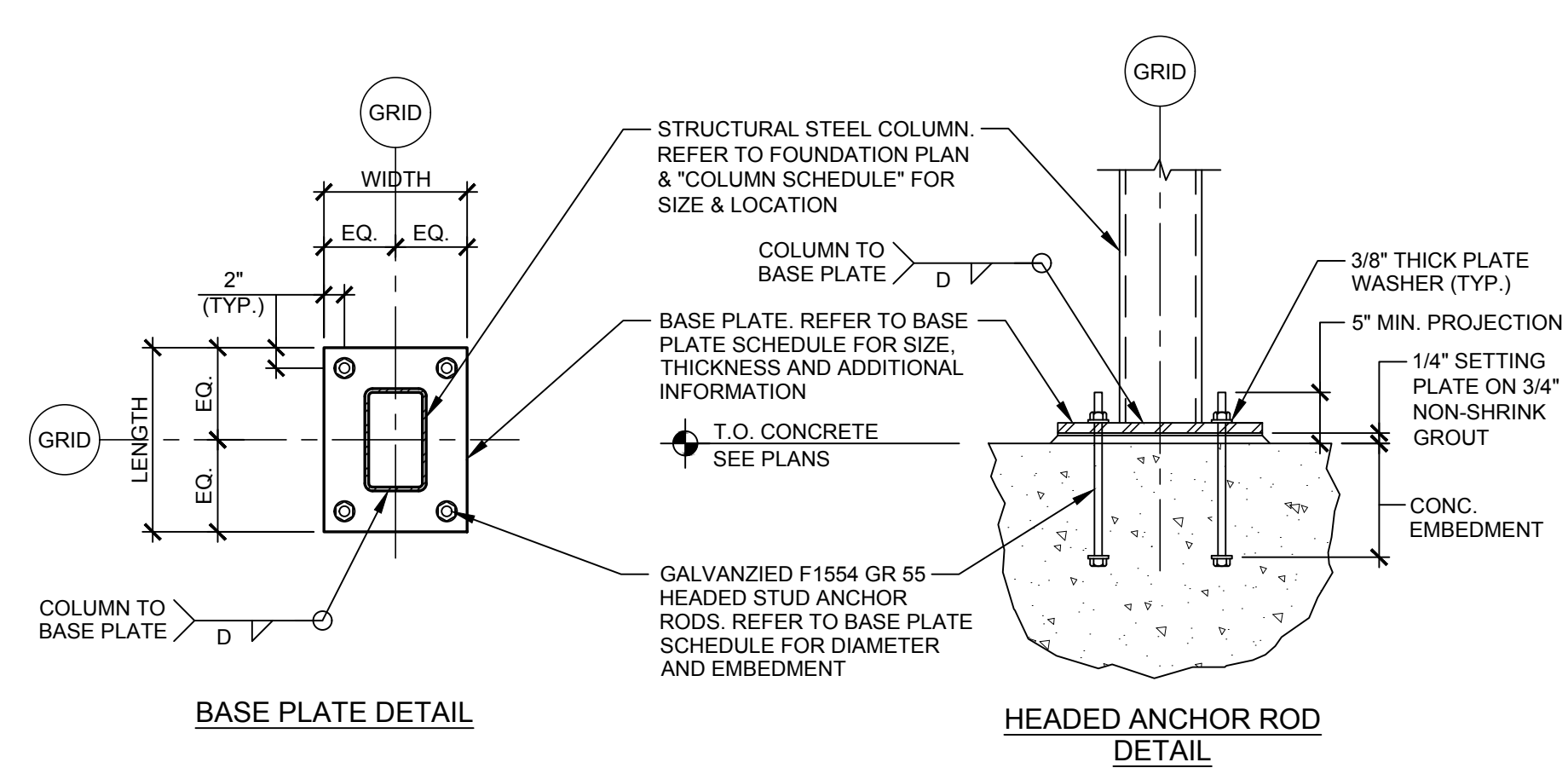
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NOT USED

SCALE  
3/4"=1'-0"

2

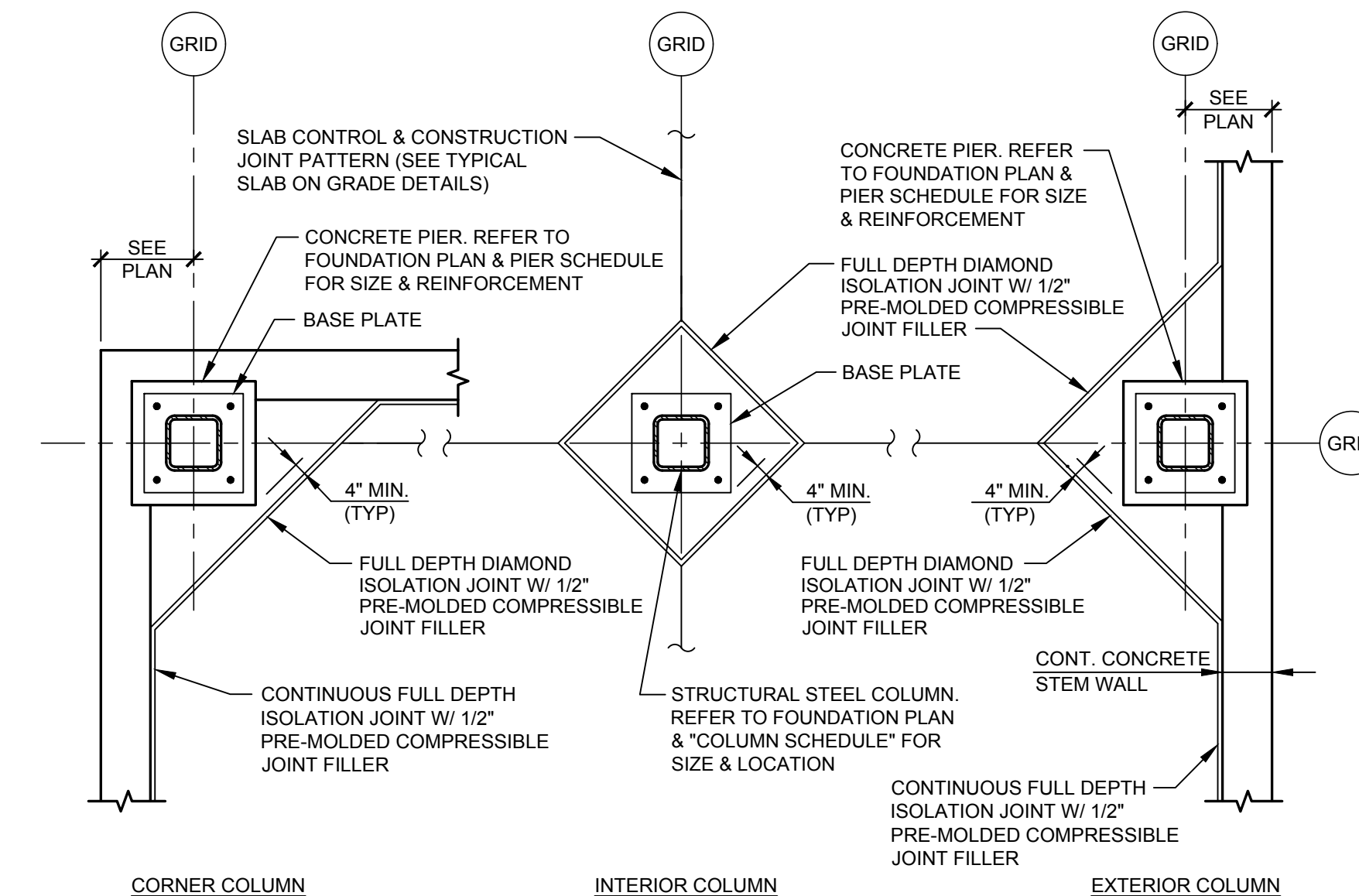


BASE PLATE AND ANCHOR ROD SCHEDULE

SCALE  
3/4"=1'-0"

3

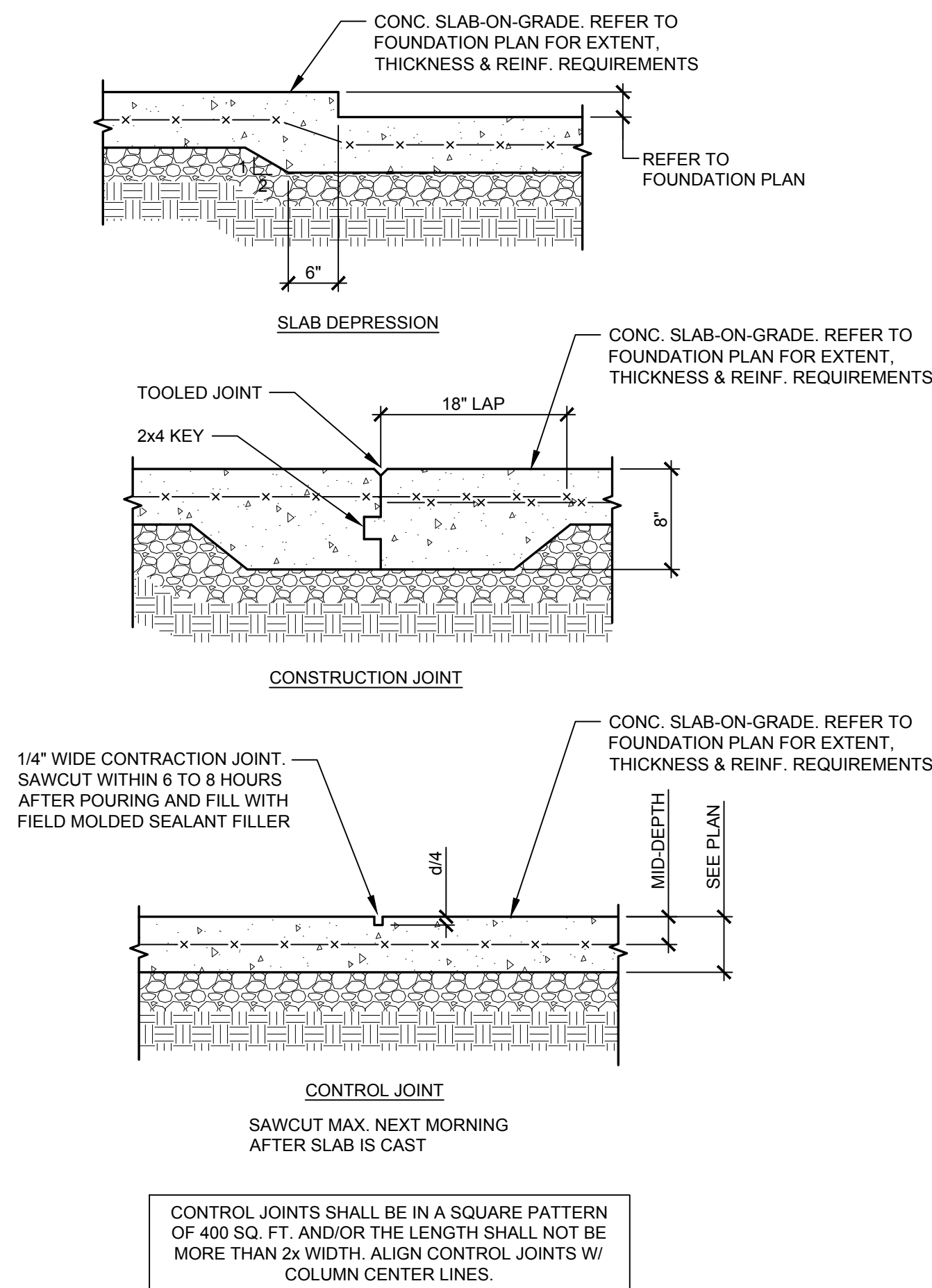
BASE PLATE SCHEDULE						
BASE PLATE TYPE	COLUMN SIZE	LENGTH	WIDTH	THICKNESS	ANCHOR ROD DIAMETER	ANCHOR ROD EMBEDMENT
A	SEE PLAN	1'-2"	1'-2"	3/4"	(4) - 3/4"Ø	0'-9"
B	SEE PLAN	1'-6"	1'-2"	1"	(4) - 1 1/4"Ø	10" EMBED. INTO FOOTING + PIER + 5" PROJECTION
C	SEE PLAN	1'-2"	1'-2"	1"	(4) - 1"Ø	1'-10"



TYPICAL ISOLATION JOINT DETAILS

SCALE  
N.T.S.

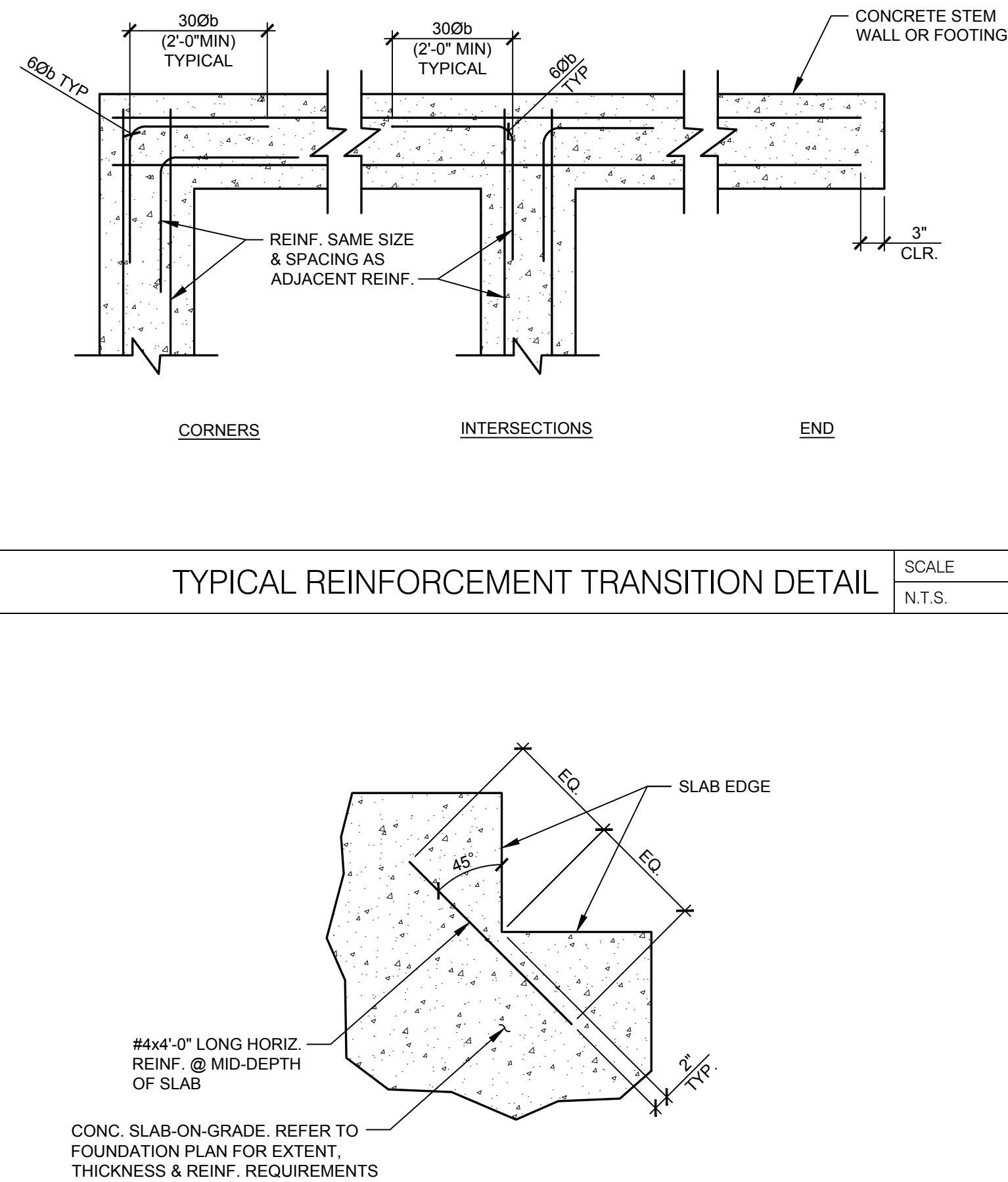
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TYPICAL SLAB-ON-GRADE DETAILS

SCALE  
N.T.S.

5



RE-ENTRANT CORNER DETAIL

SCALE  
N.T.S.

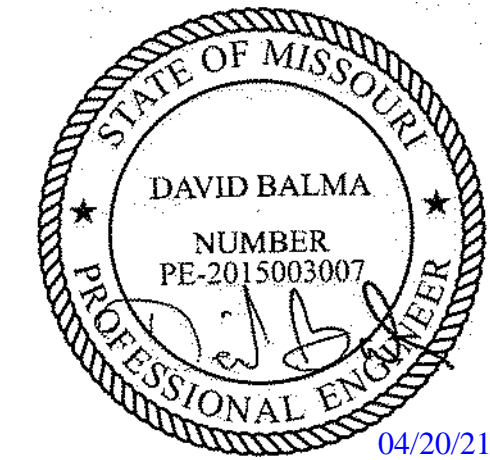
7

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
1700 Industrial Drive Suite B  
Rogers, AR 72756  
479.956.4400  
www.core-states.com  
CORESTATES, INC.

ENGINEER OF RECORD



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DRAWN BY:	J.PEREZ
CHECKED BY:	E.SCALIGIONE
VERSION:	SE_1.00

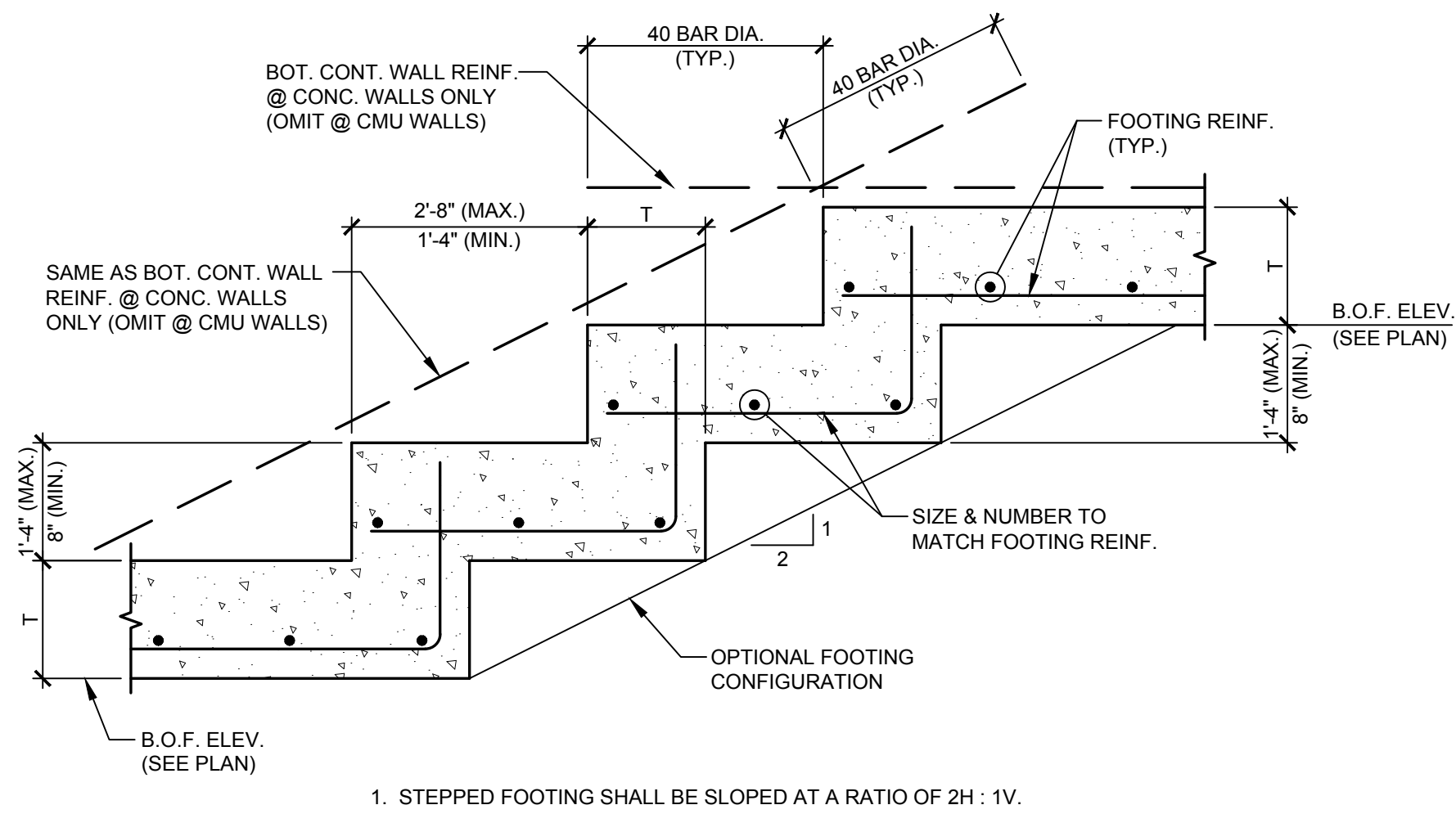
SHEET TITLE

TYPICAL  
FOUNDATION  
DETAILS

SHEET NUMBER

S4.1

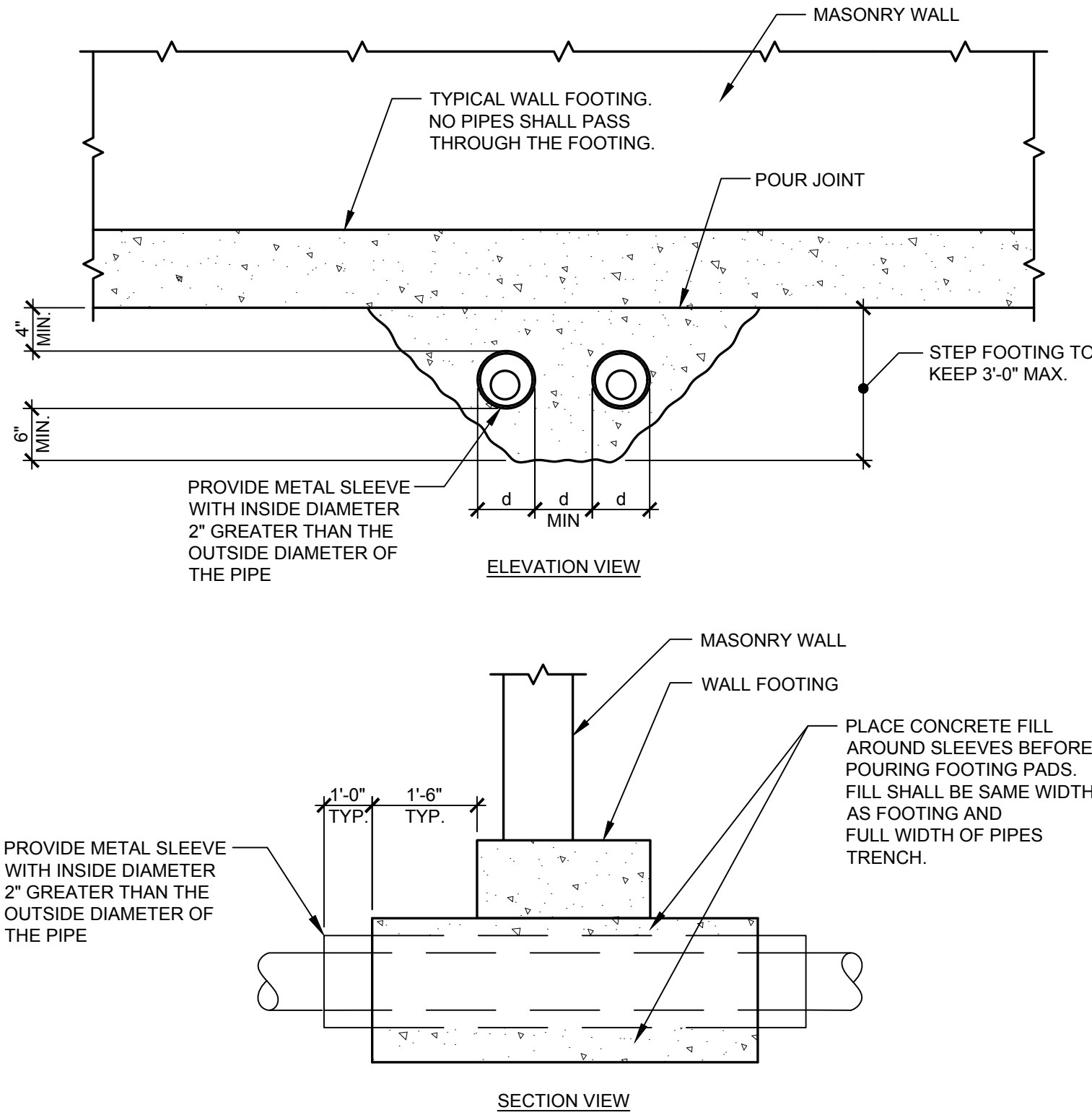




TYPICAL STEPPED FOOTING DETAIL

SCALE  
3/4"=1'-0"

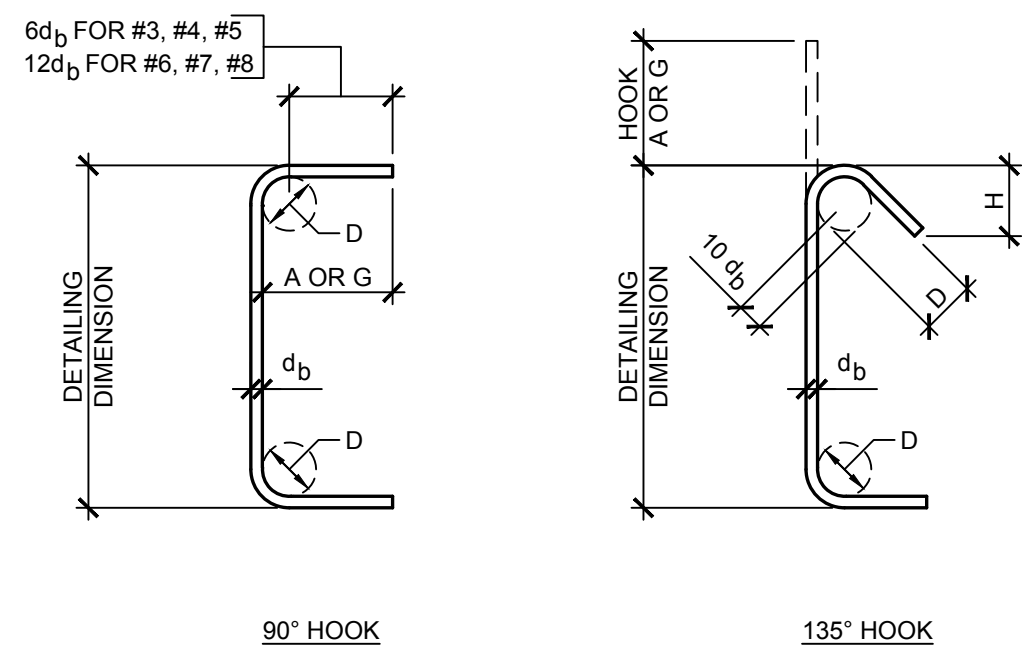
1



WALL FOOTING DETAIL AT UTILITIES

SCALE  
3/4"=1'-0"

2



STIRRUPS AND TIE HOOKS, ALL GRADES				
BAR SIZE	D, IN.	90° HOOKS	135° HOOKS	
		A OR G	A OR G	H, APPROX.
#3	1 1/2	4"	5"	3 1/2"
#4	2	4 1/2"	6 1/2"	4 1/2"
#5	2 1/2	6"	8"	5 1/2"
#6	4 1/2	1'-0"	11"	6 1/2"
#7	5 1/4	1'-2"	1'-0 1/2"	7 3/4"
#8	6	1'-4"	1'-2 1/2"	9"

db = NOMINAL DIAMETER OF BAR OR WIRE (INCHES)

STIRRUP AND TIE HOOK TABLE

SCALE  
N.T.S.

3

		TENSION LAP SPLICES				COMPRESSION LAP SPLICES
BAR SIZE	LAP CLASS	LAP LENGTH PER SPACING AND COVER CASE				
		CASE 1		CASE 2		
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	
#3	B	24	19	36	28	12
#4	B	32	25	48	37	15
#5	B	40	31	60	47	19
#6	B	48	37	72	56	23
#7	B	70	54	106	81	26
#8	B	80	62	121	93	30
#9	B	91	70	136	105	34
#10	B	102	79	153	118	38
#11	B	113	87	170	131	42

- NOTES:  
1. UTILIZE A FACTOR OF 1.5 WHERE CONTACT SPLICES ARE REQUIRED.  
2. TABLE APPLIES TO CONCRETE WITH  $f_c = 4000$  PSI OR GREATER.  
3. CASE 1: COVER AT LEAST  $10d_b$  AND CENTER-TO-CENTER SPACING AT LEAST  $20d_b$ .  
4. CASE 2: COVER LESS THAN  $10d_b$  AND CENTER-TO-CENTER SPACING AT LESS THAN  $20d_b$ .

LAP SPLICE TABLE

SCALE  
NONE

4

THE MINIMUM CLEAR COVER FOR REINFORCEMENT BARS SHALL BE ONE BAR DIAMETER OR THE VALUES TABULATED BELOW, WHICHEVER IS THE GREATER.	
SLABS (LT.WT. CONC. OR STONE CONC.)	1"
SLABS NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	3/4"
GIRDERS AND BEAMS (TO STIRRUPS)	1 1/2"
JOISTS (STONE OR LT.WT.) BOTTOM BARS	1 1/4"
TIED COLUMNS AND PIERS	
SURFACE EXPOSED TO EARTH AND WEATHER (TO TIES)	2"
OTHER SURFACES (TO TIES)	1 1/2"
FOUNDATION ELEMENTS	
FORMED SURFACES	2"
SURFACES PLACED AGAINST EARTH	3"
WALLS	
SURFACES EXPOSED TO EARTH	2"
SURFACES EXPOSED TO WEATHER	1 1/2"
OTHER SURFACES	1"

MINIMUM CONCRETE COVER TABLE

SCALE  
3/4"=1'-0"

5

NOT USED

SCALE  
N.T.S.

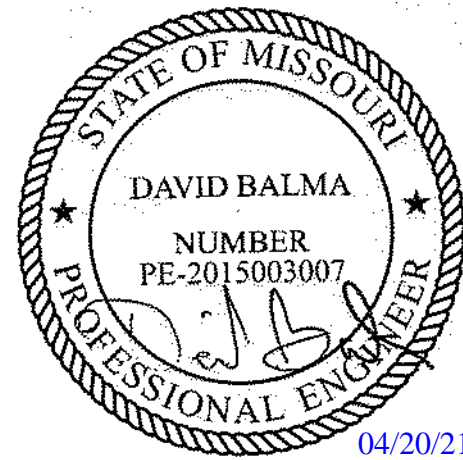
6

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DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	J.PEREZ
CHECKED BY:	E.SCALIGIONE
VERSION:	SE_1.00

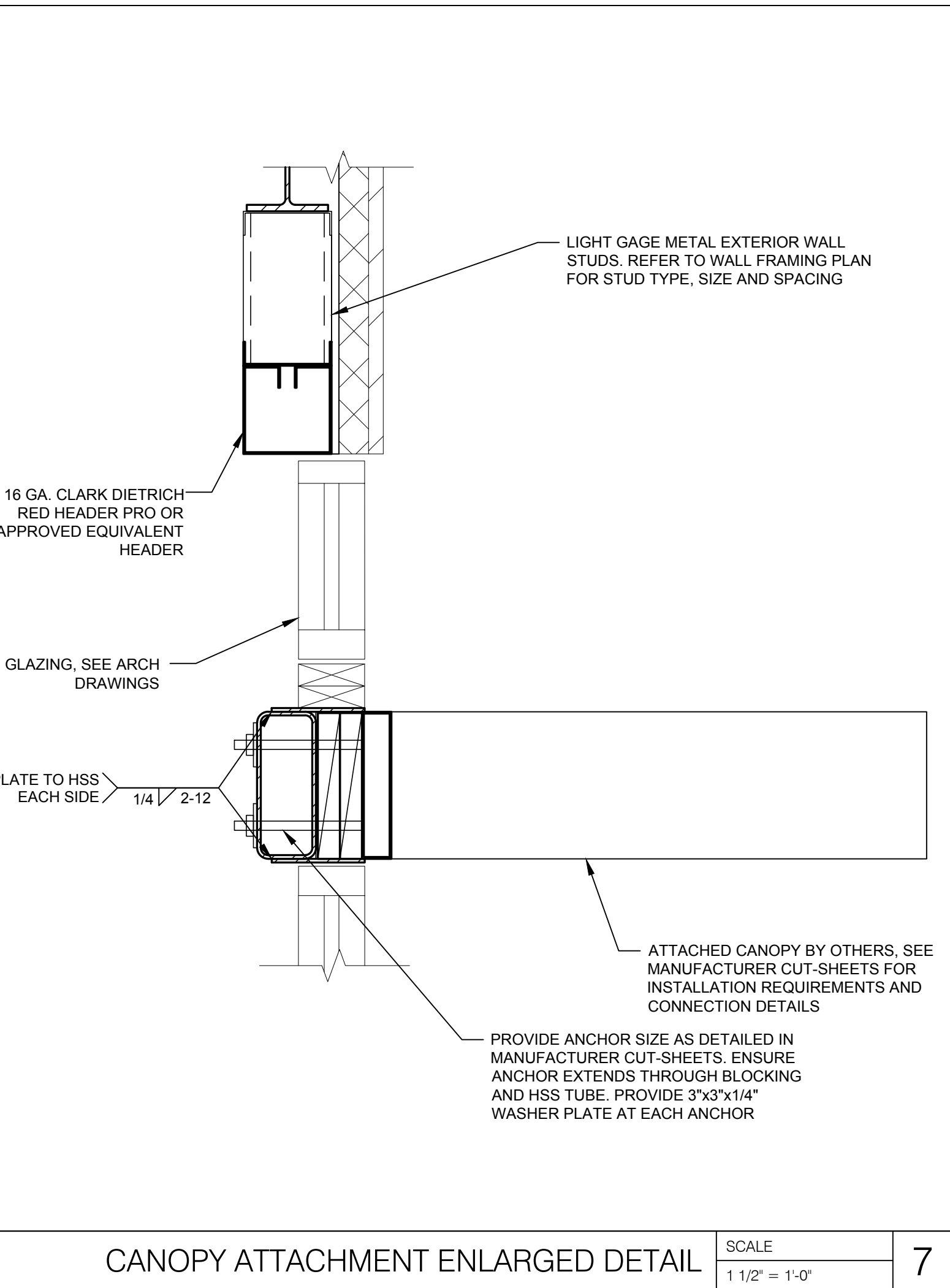
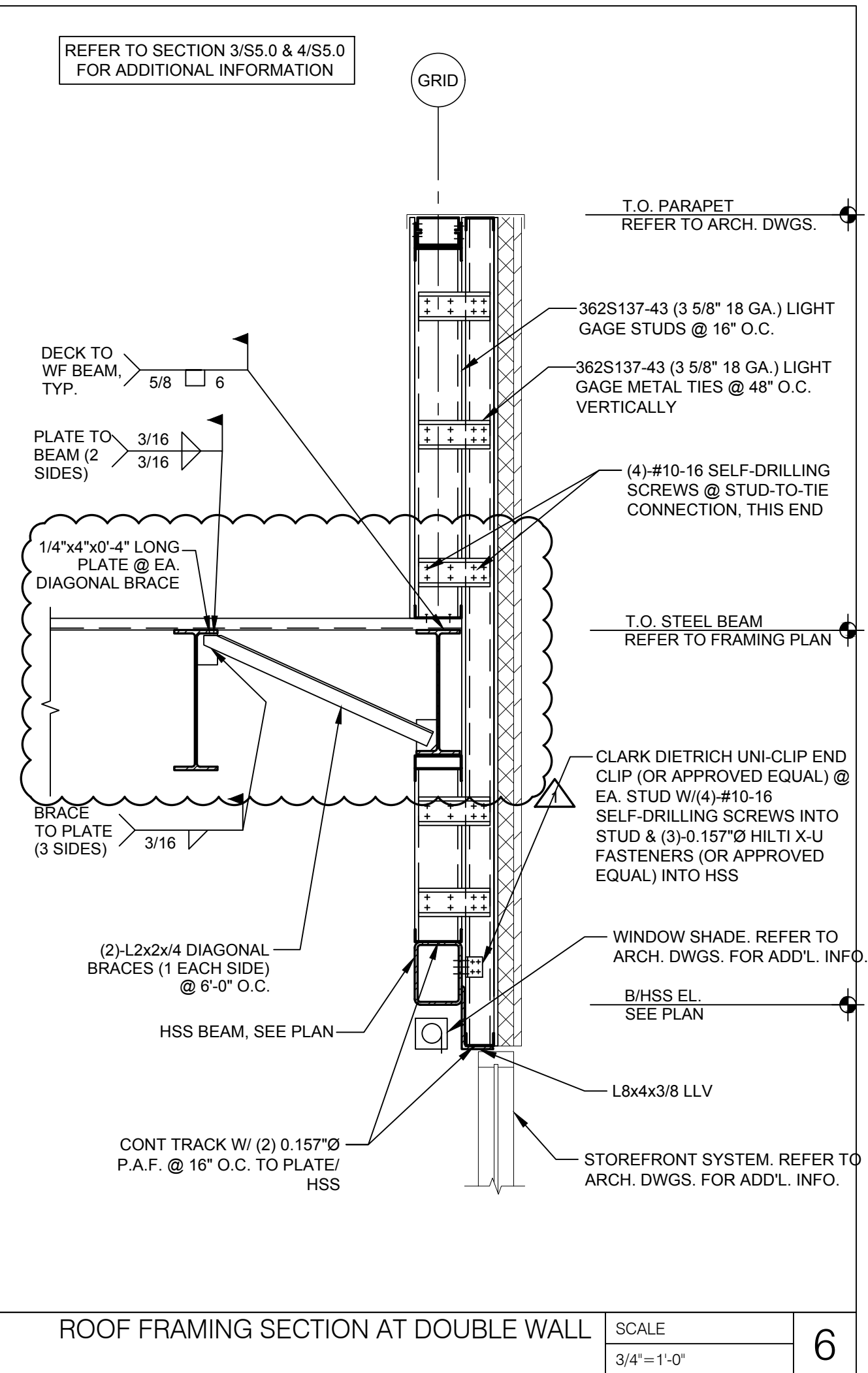
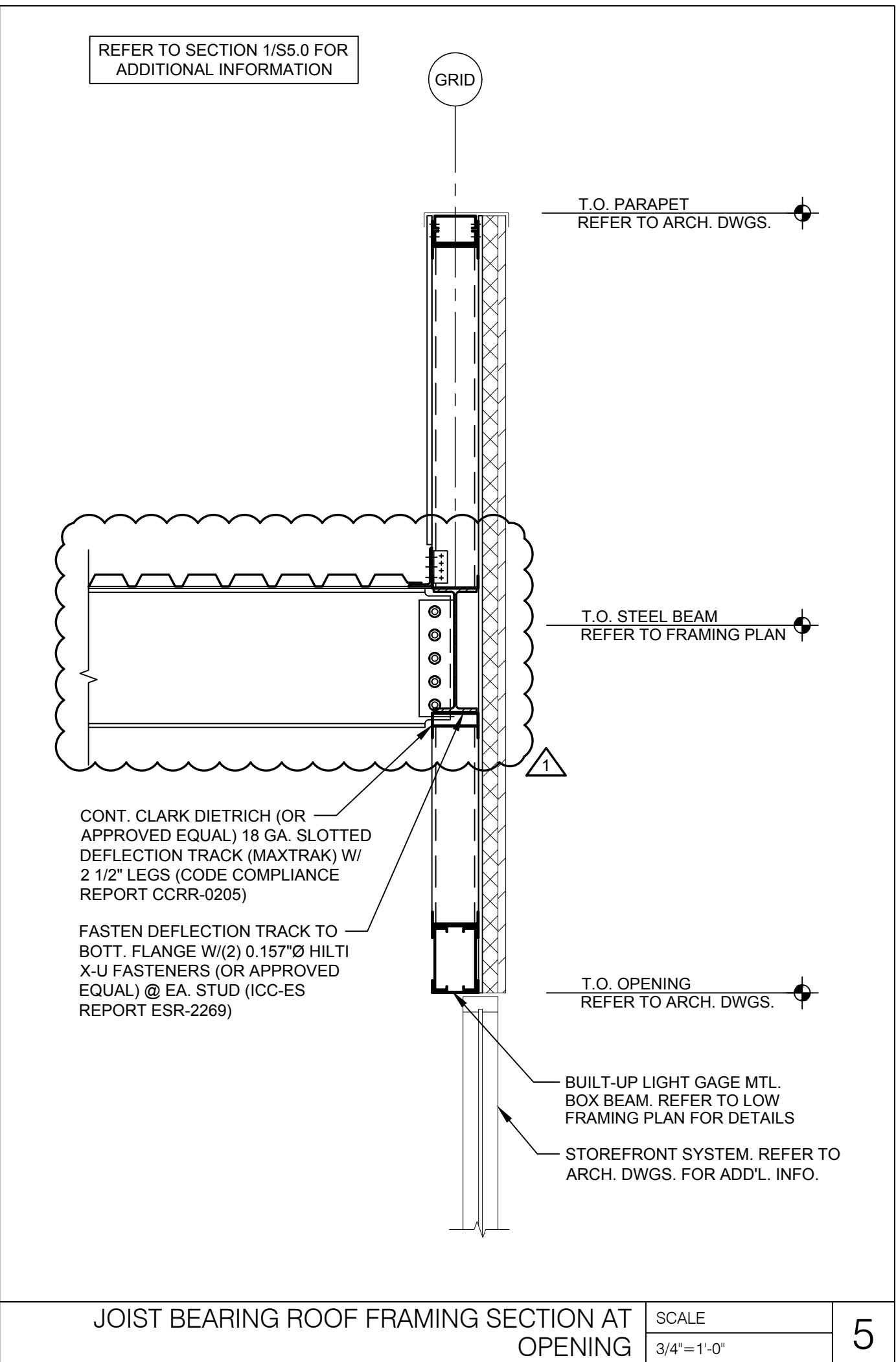
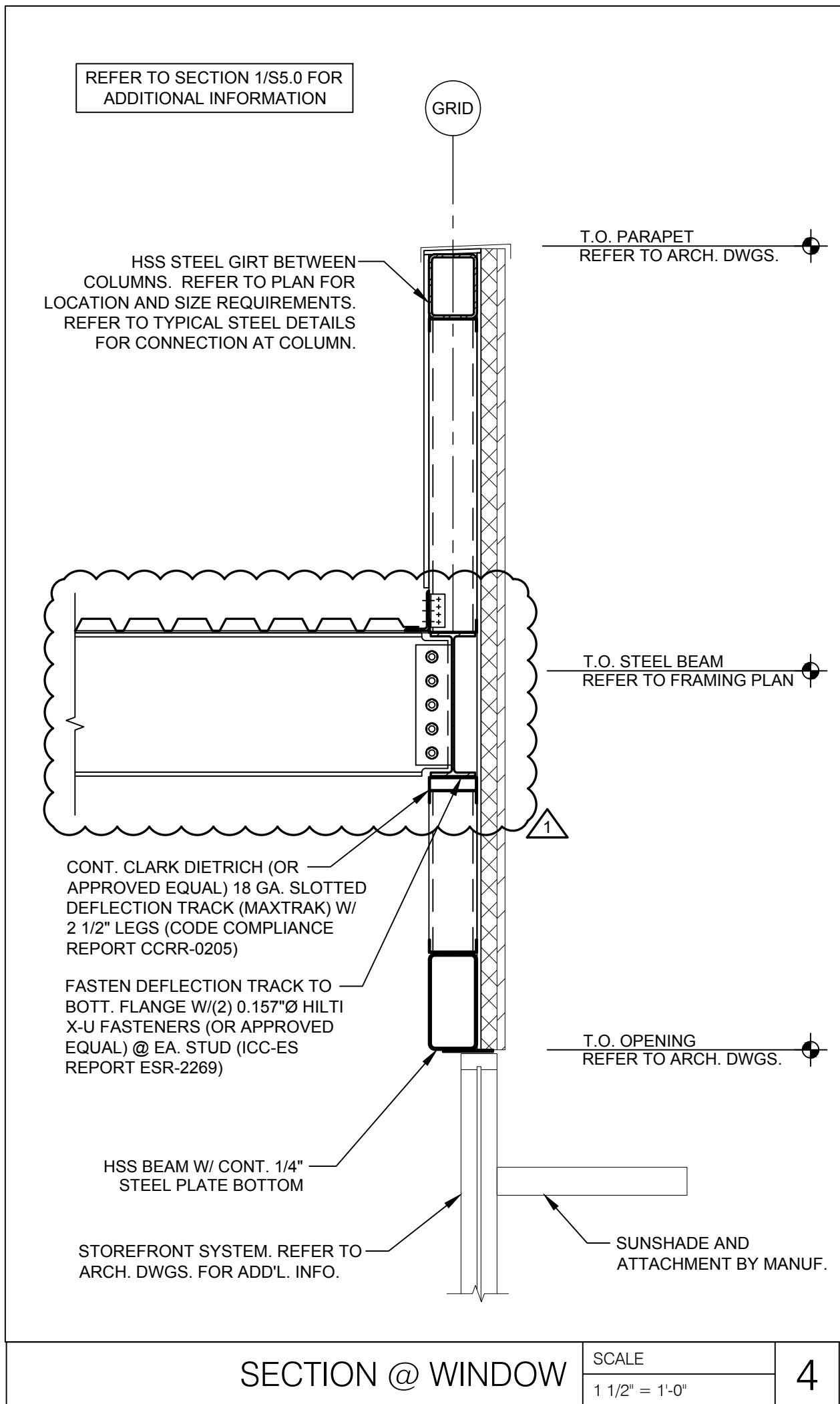
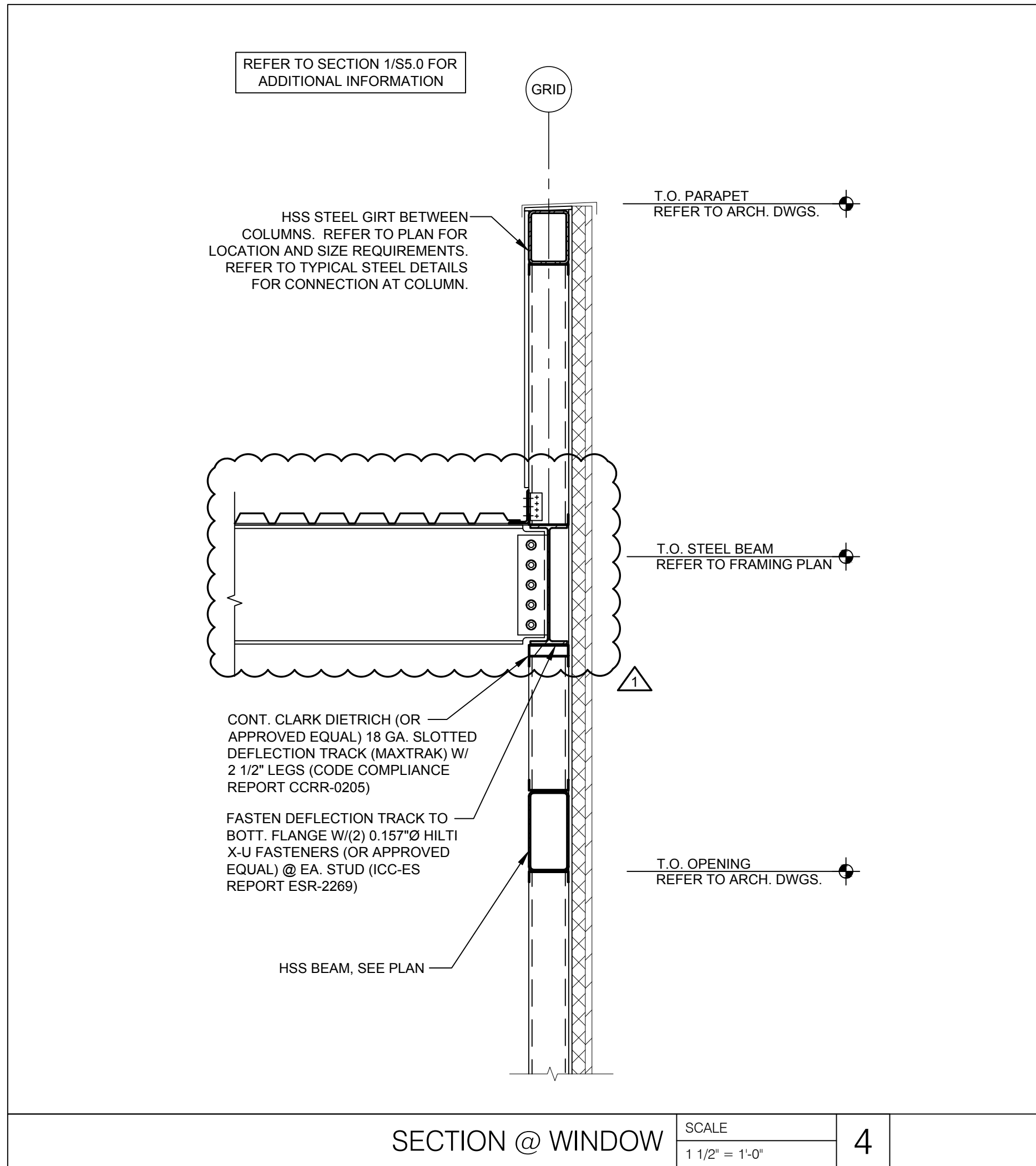
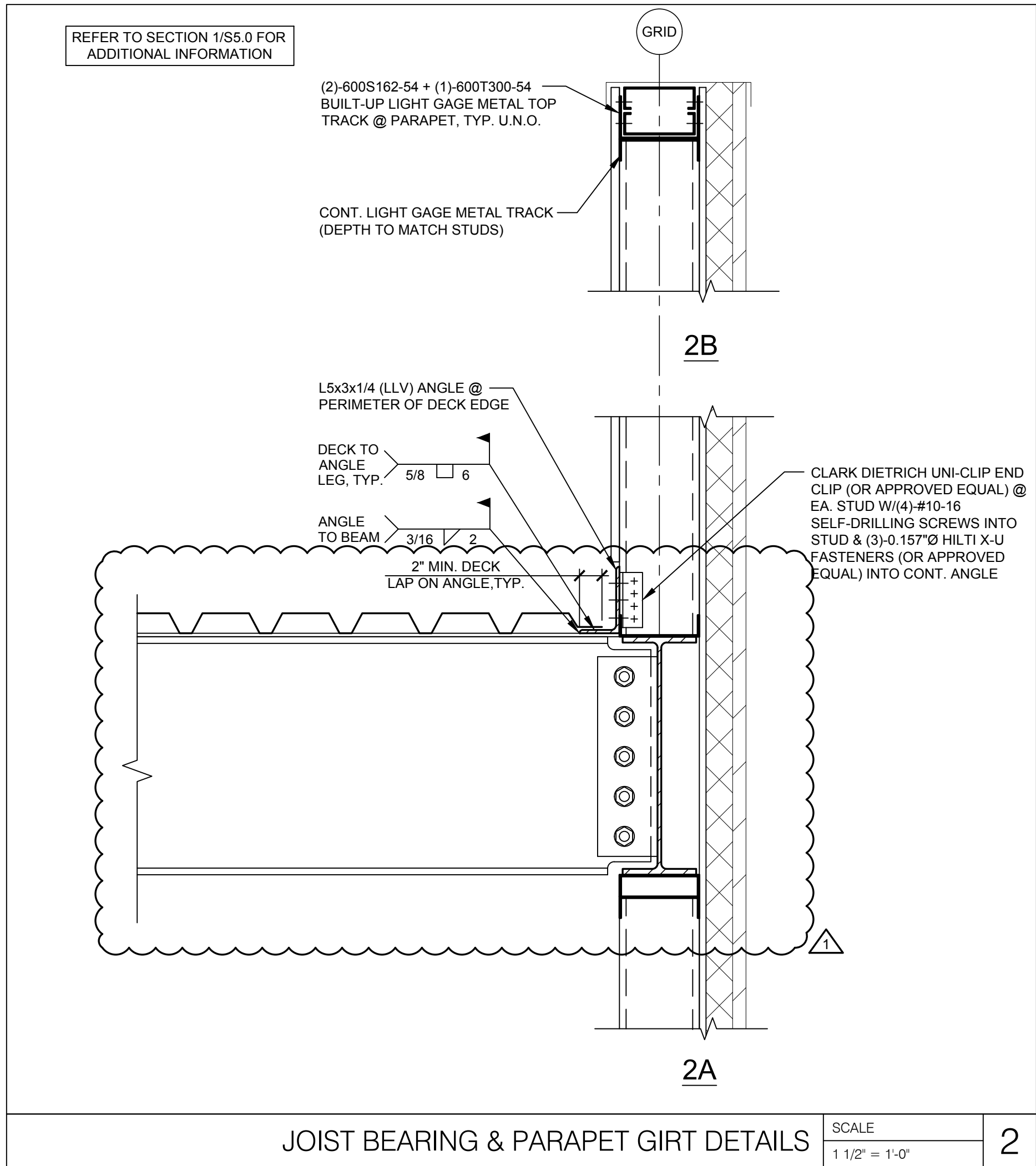
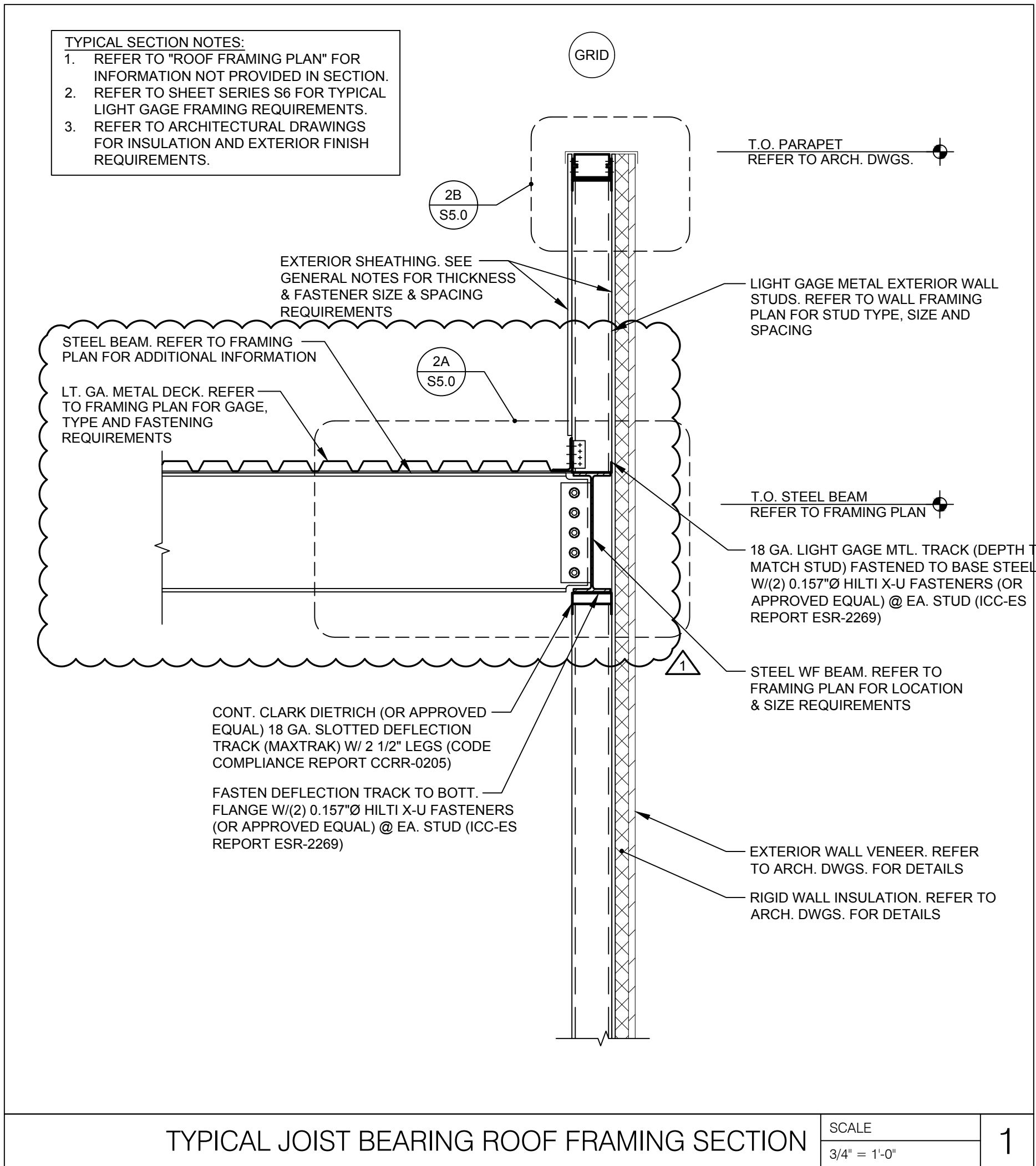
SHEET TITLE

TYPICAL  
FOUNDATION  
DETAILS II

SHEET NUMBER

S4.2



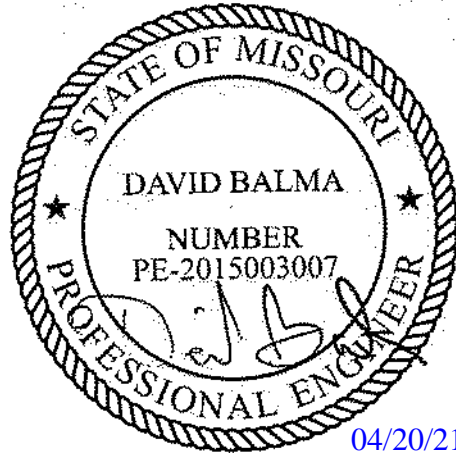


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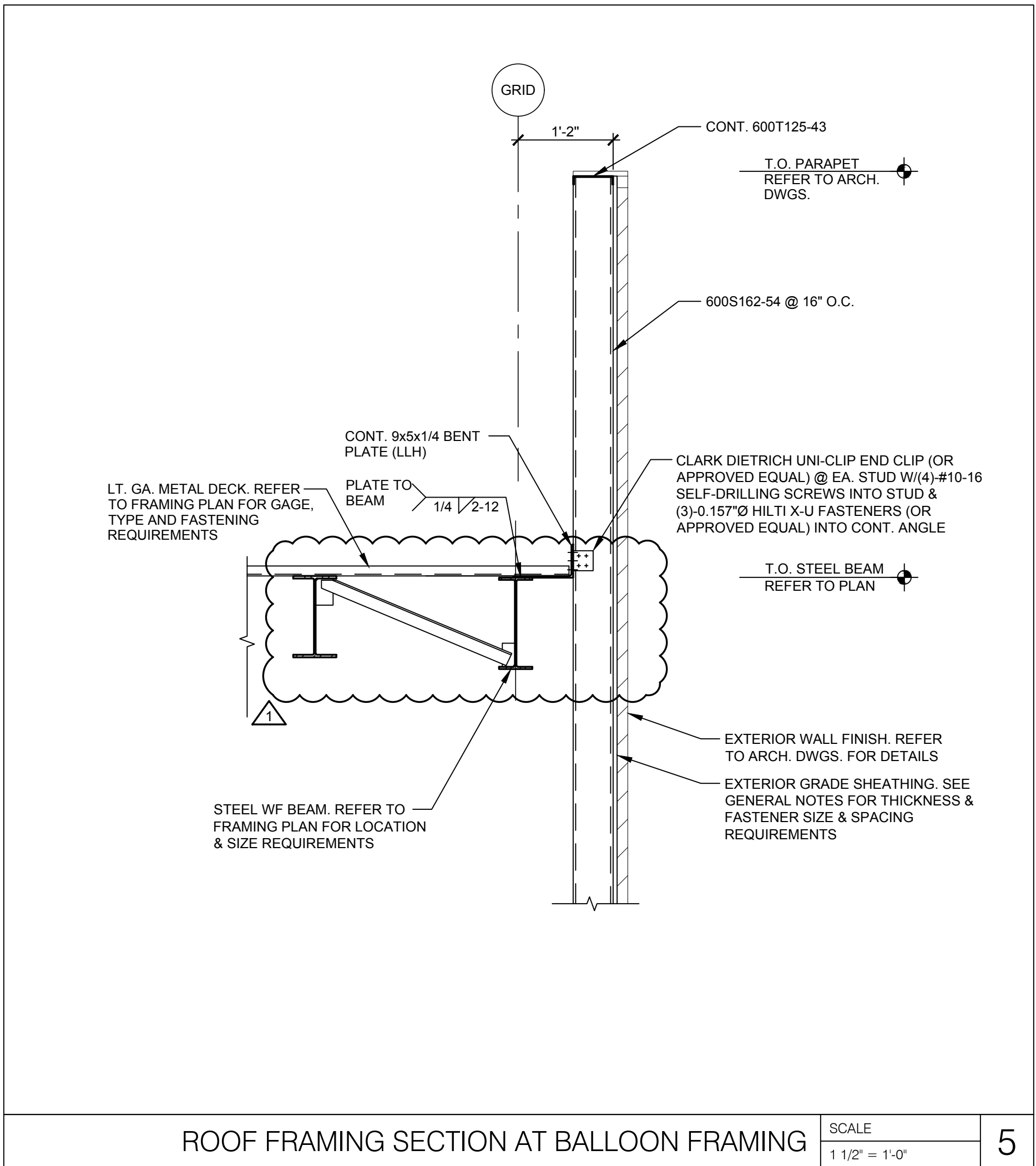
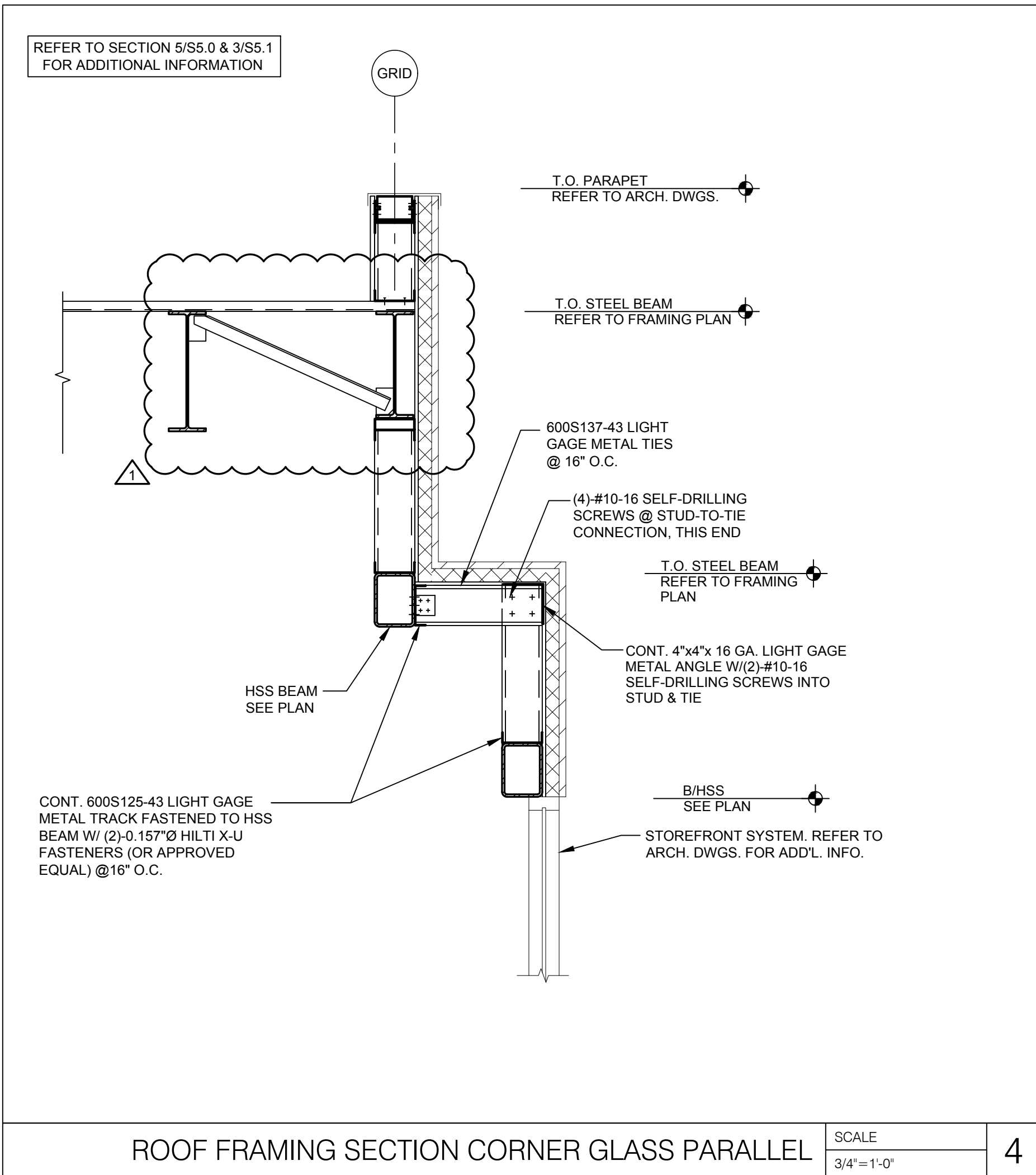
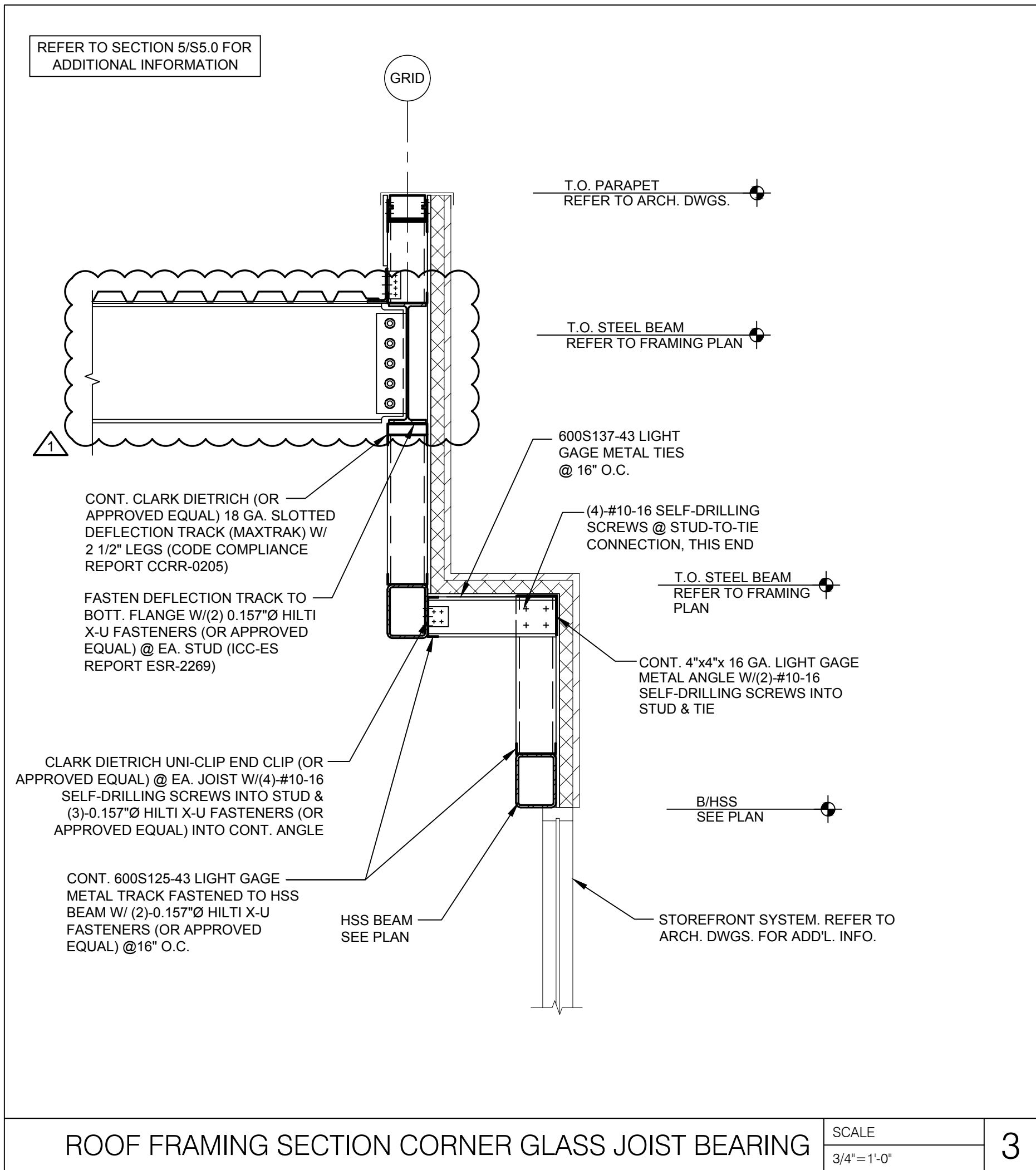
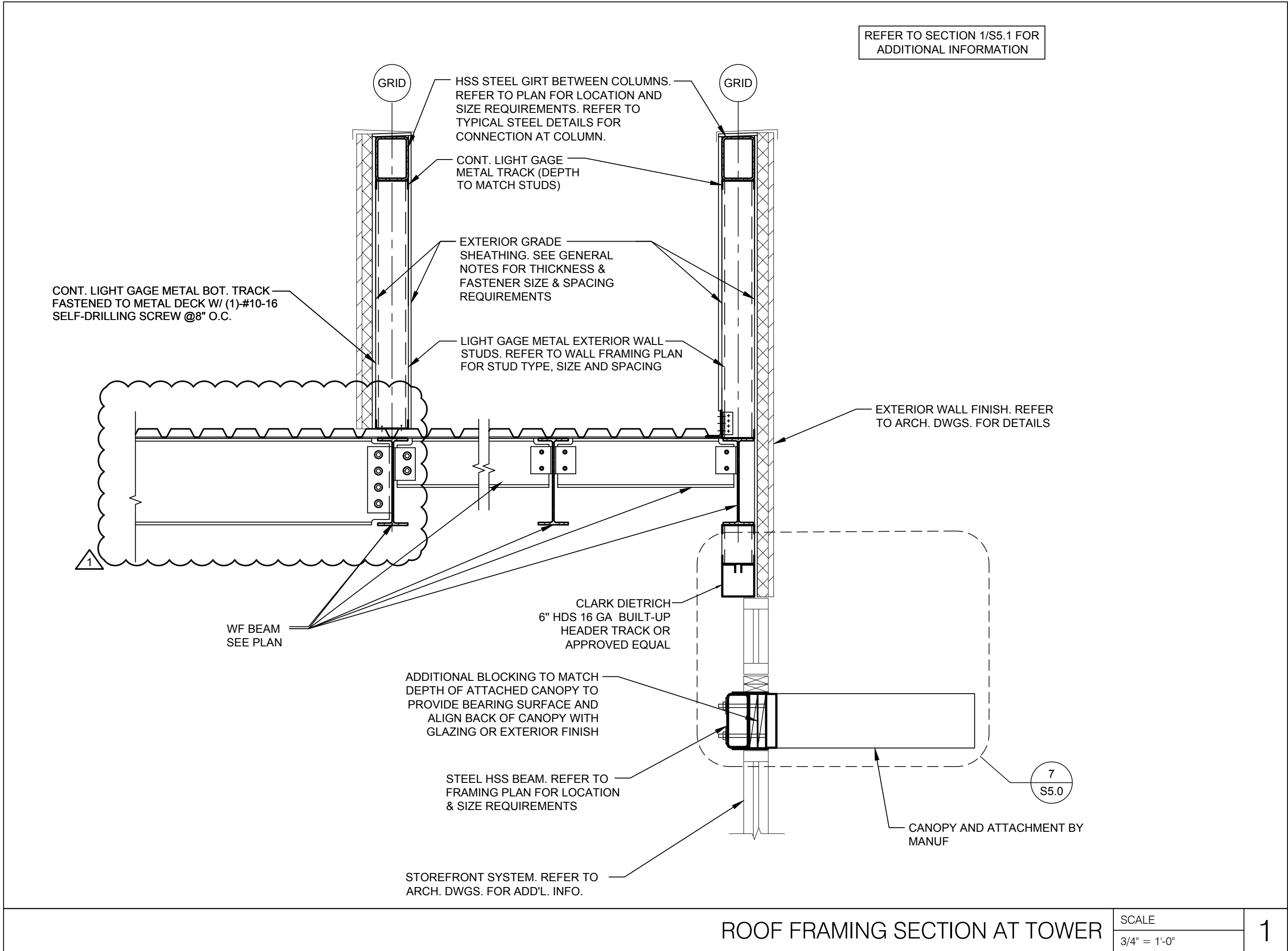
PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	J.PEREZ	
CHECKED BY:	E.SCALGIONE	
VERSION:	SE_1.00	
SHEET TITLE		

ROOF FRAMING  
SECTIONS

SHEET NUMBER

S5.0



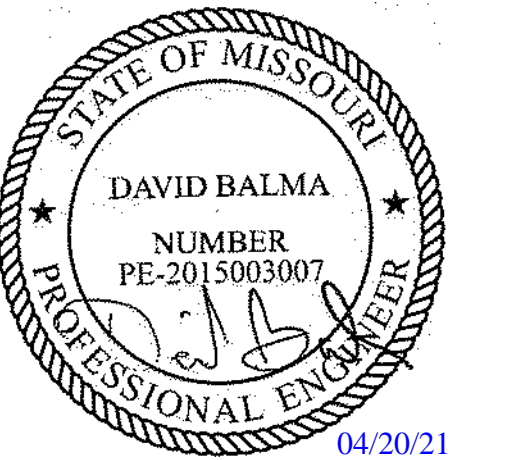


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CHECKED BY:	E.SCALGIONE	
VERSION:	SE.1.00	

SHEET TITLE

ROOF FRAMING  
SECTIONS II

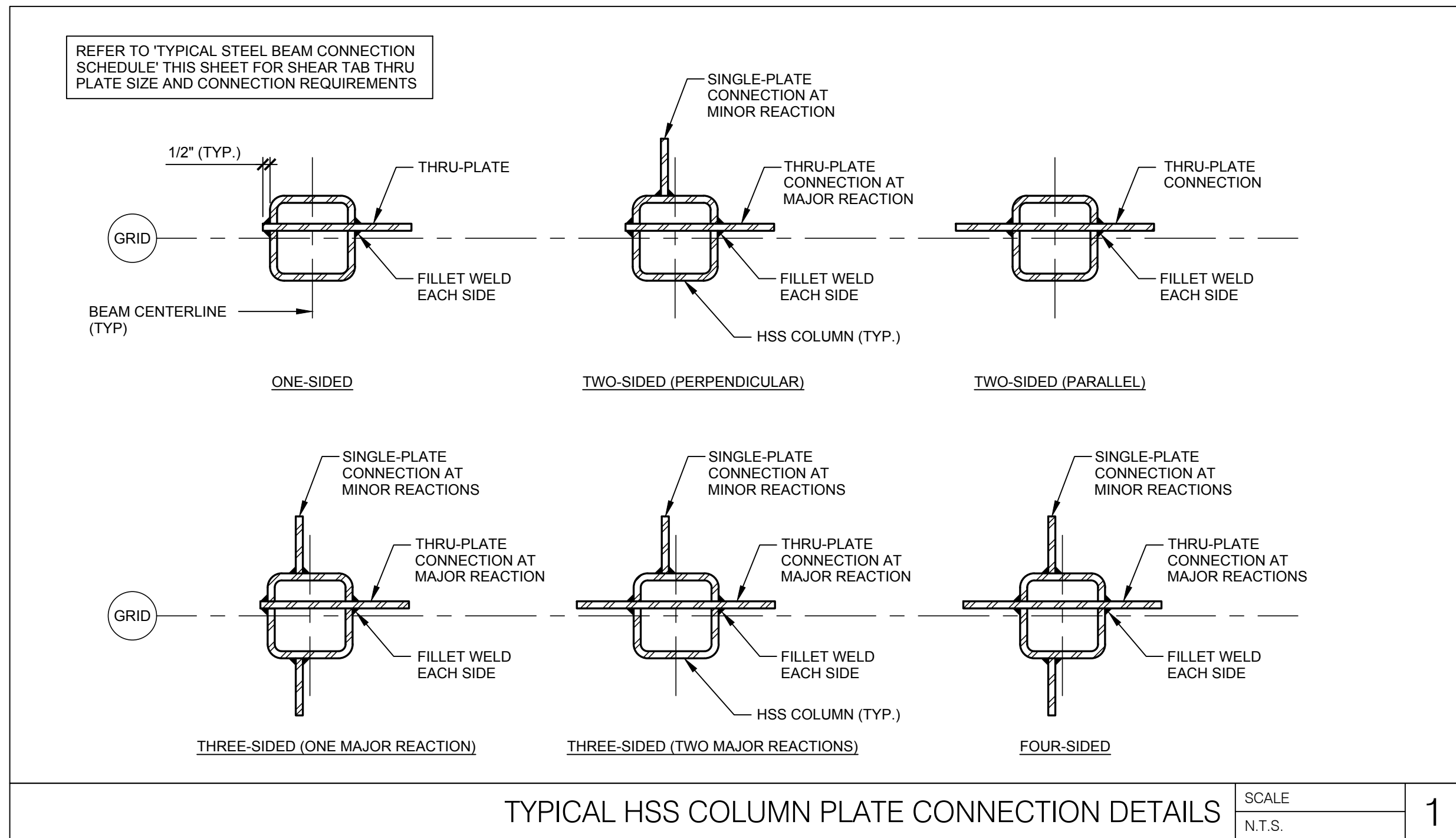
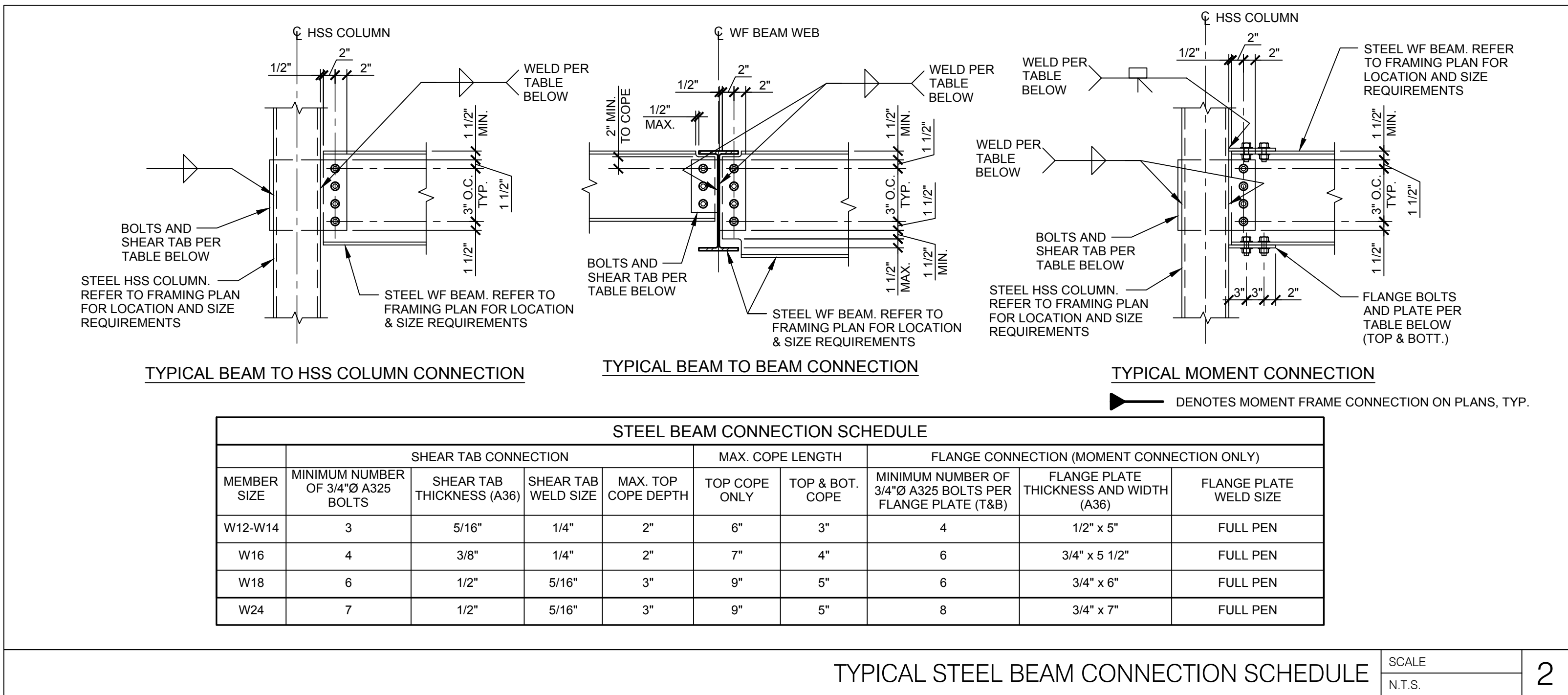
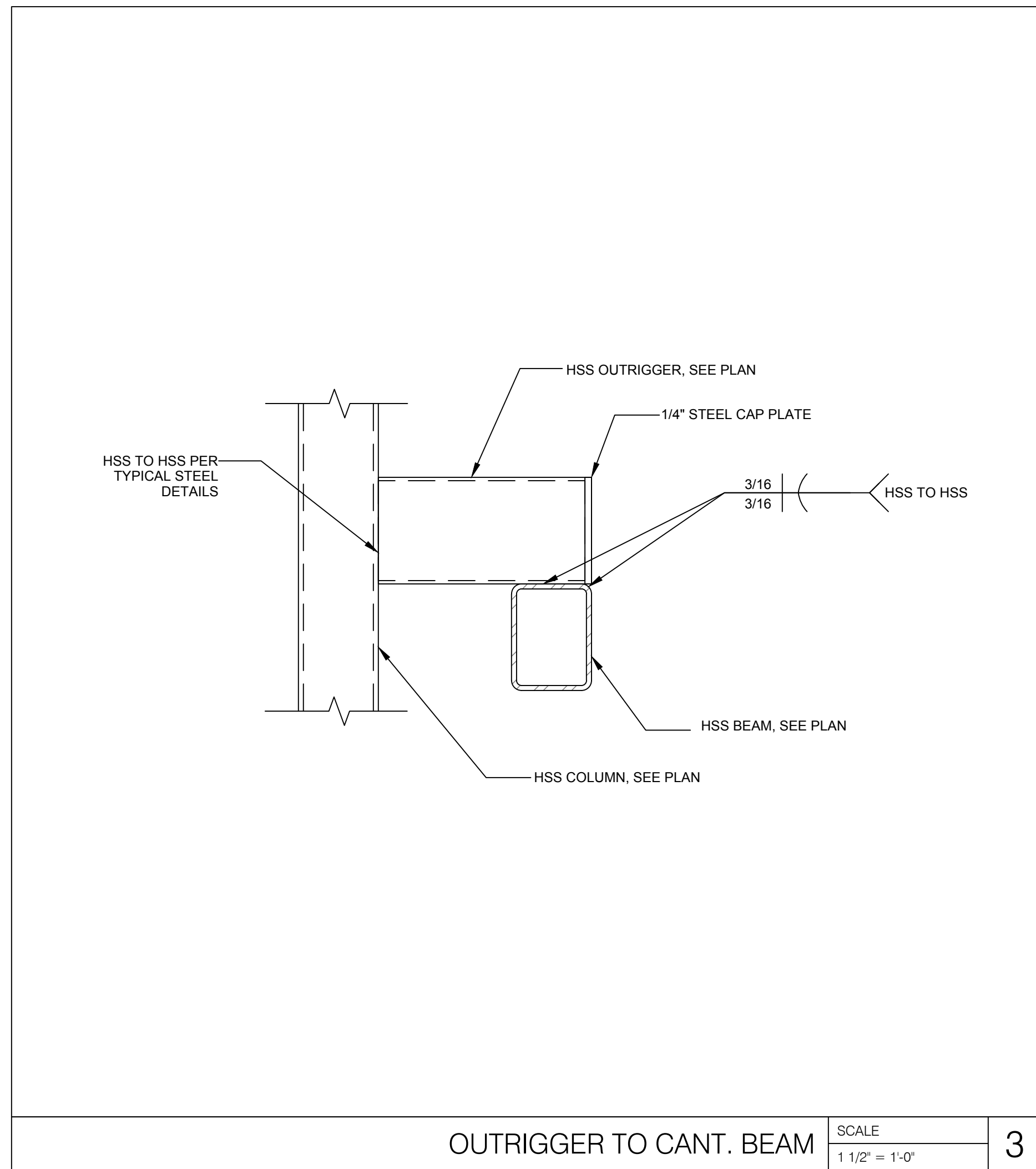
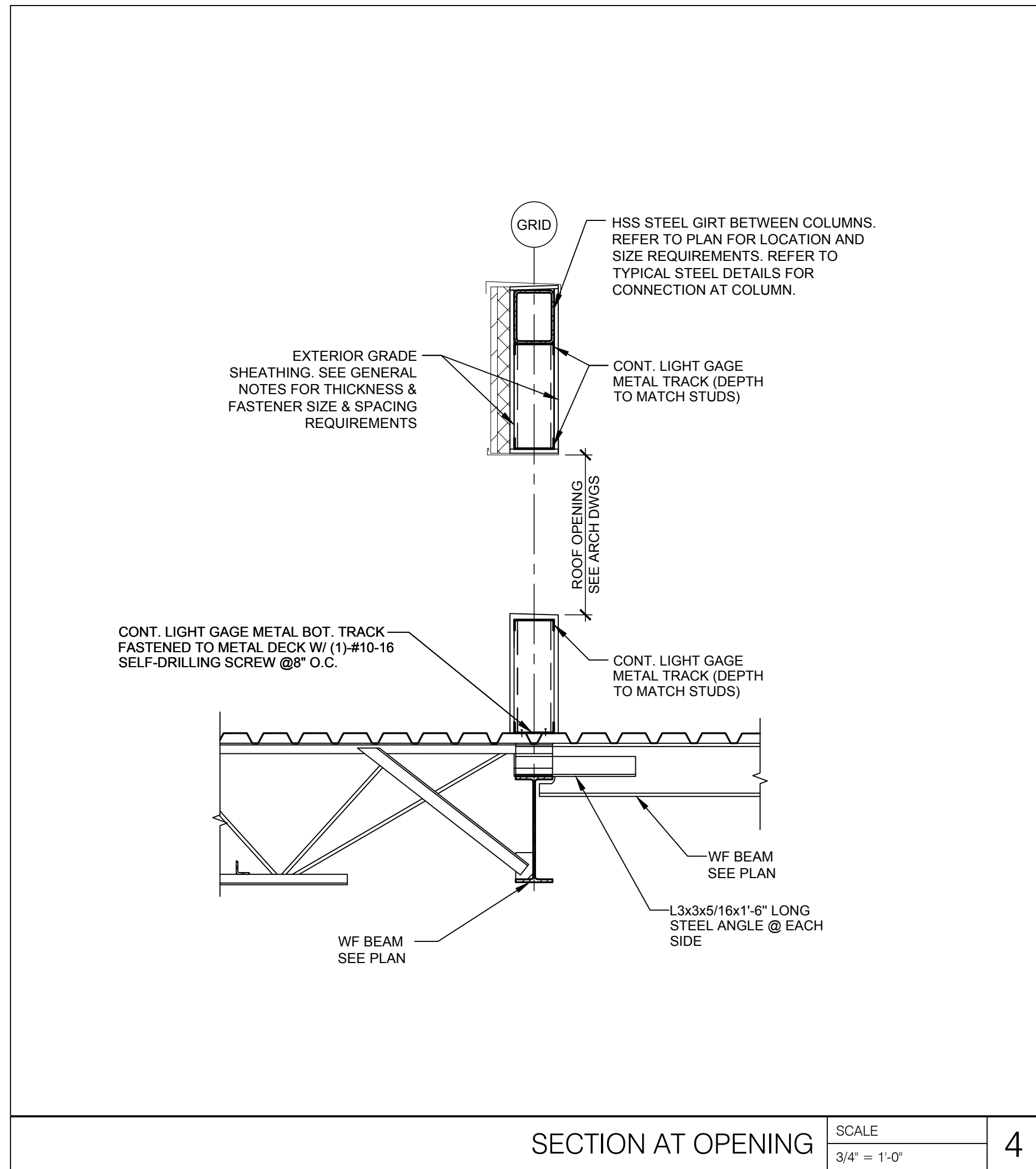
SHEET NUMBER

S5.1









ISSUE	DATE	DESCRIPTION
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DRAWN BY:	J.PEREZ	
CHECKED BY:	E.SCALGIONE	
VERSION:	SE.1.00	

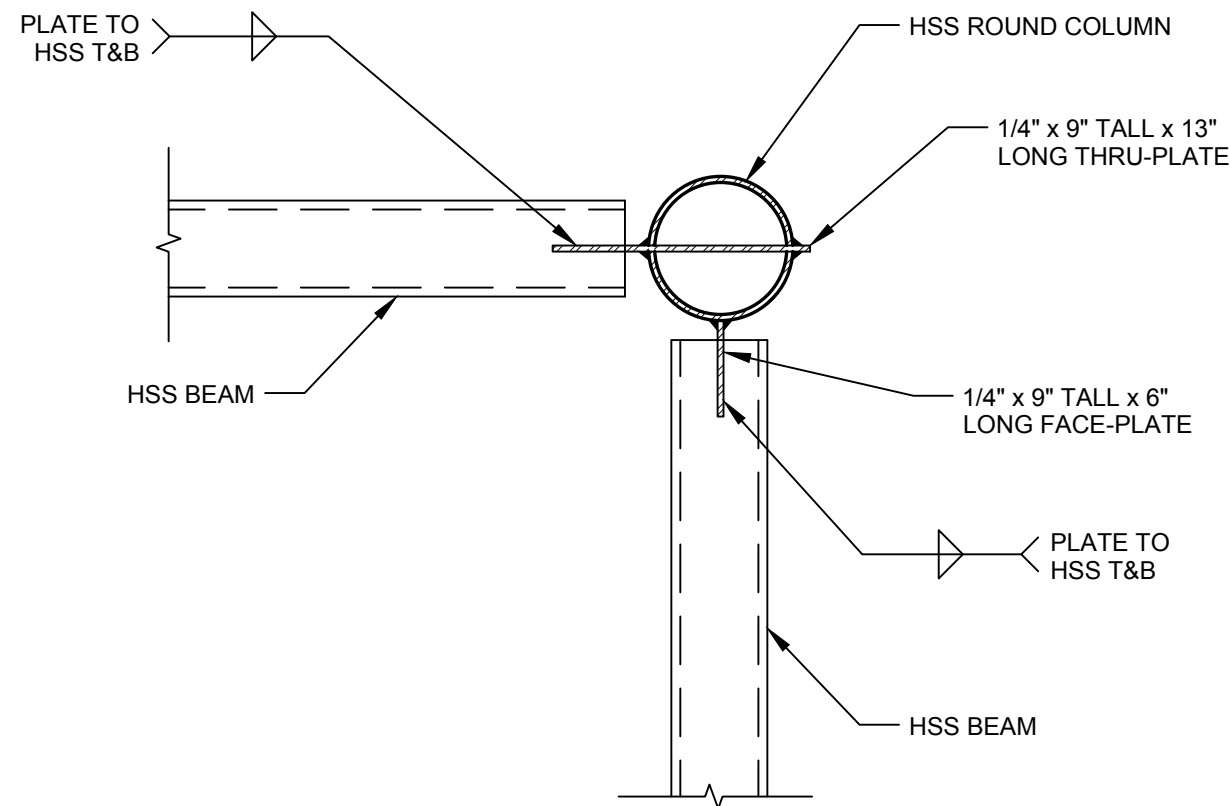
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CONNECTION DETAILS

SHEET NUMBER

S6.1

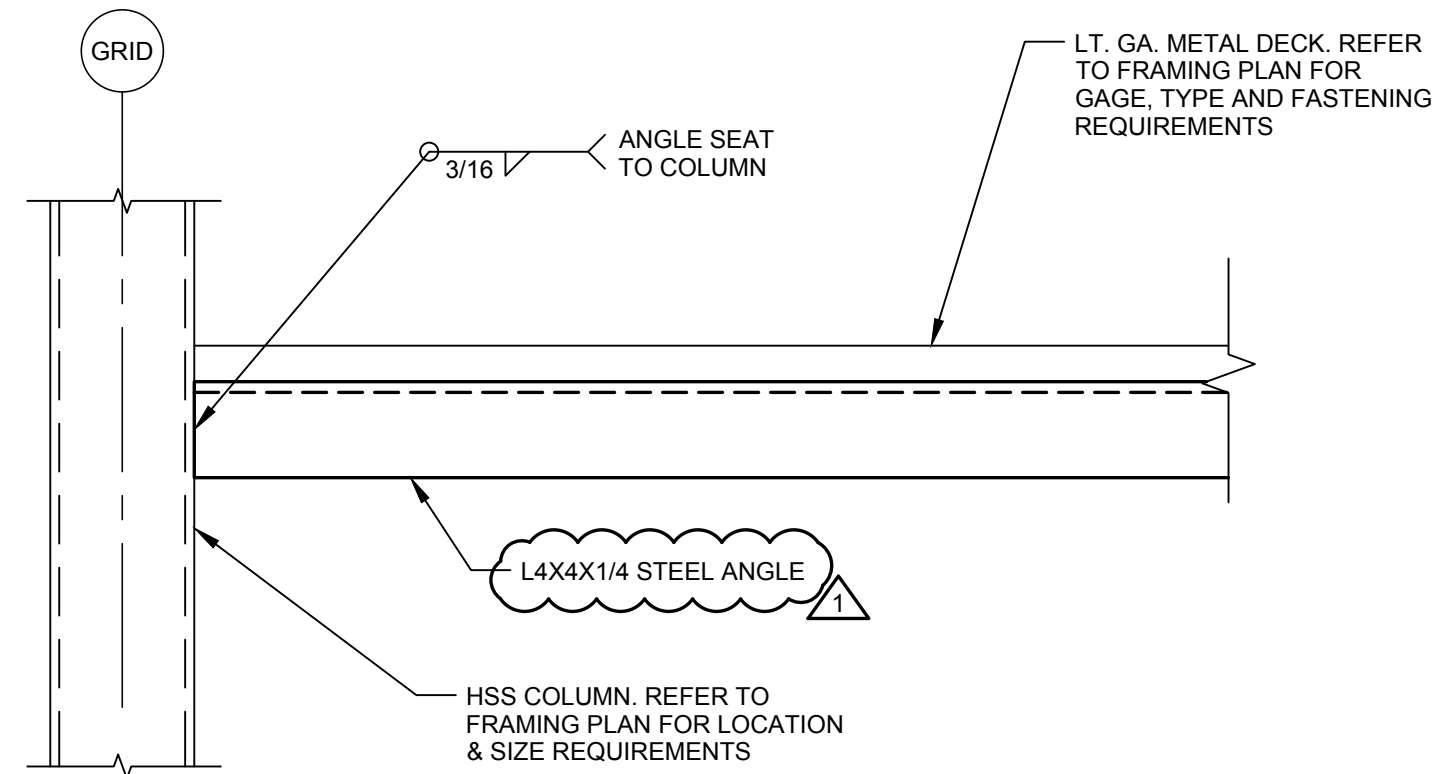




HSS BEAM TO ROUND HSS CONN.

SCALE  
3/4\"/>

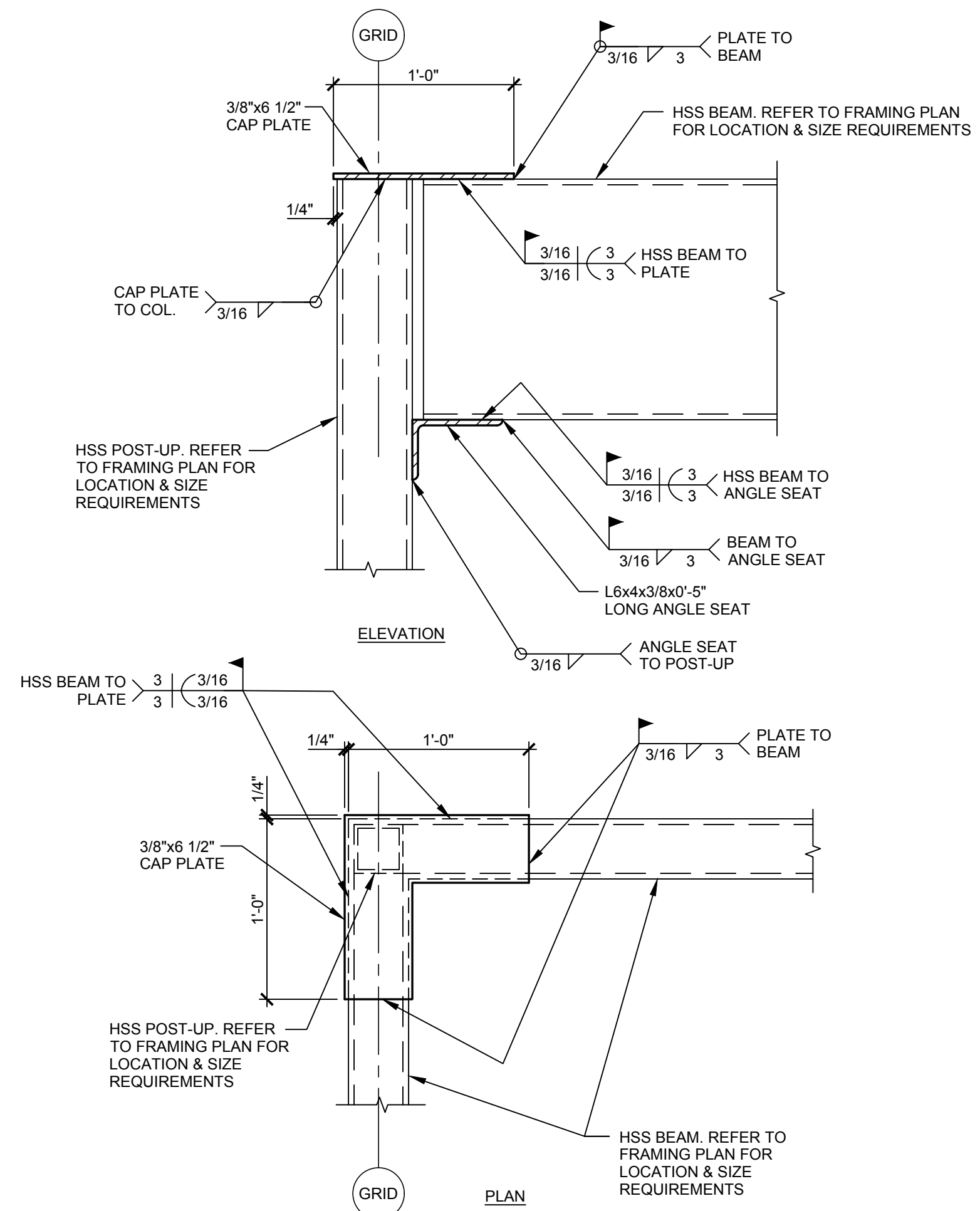
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STEEL ANGLE AT COLUMN

SCALE  
1 1/2\"/>

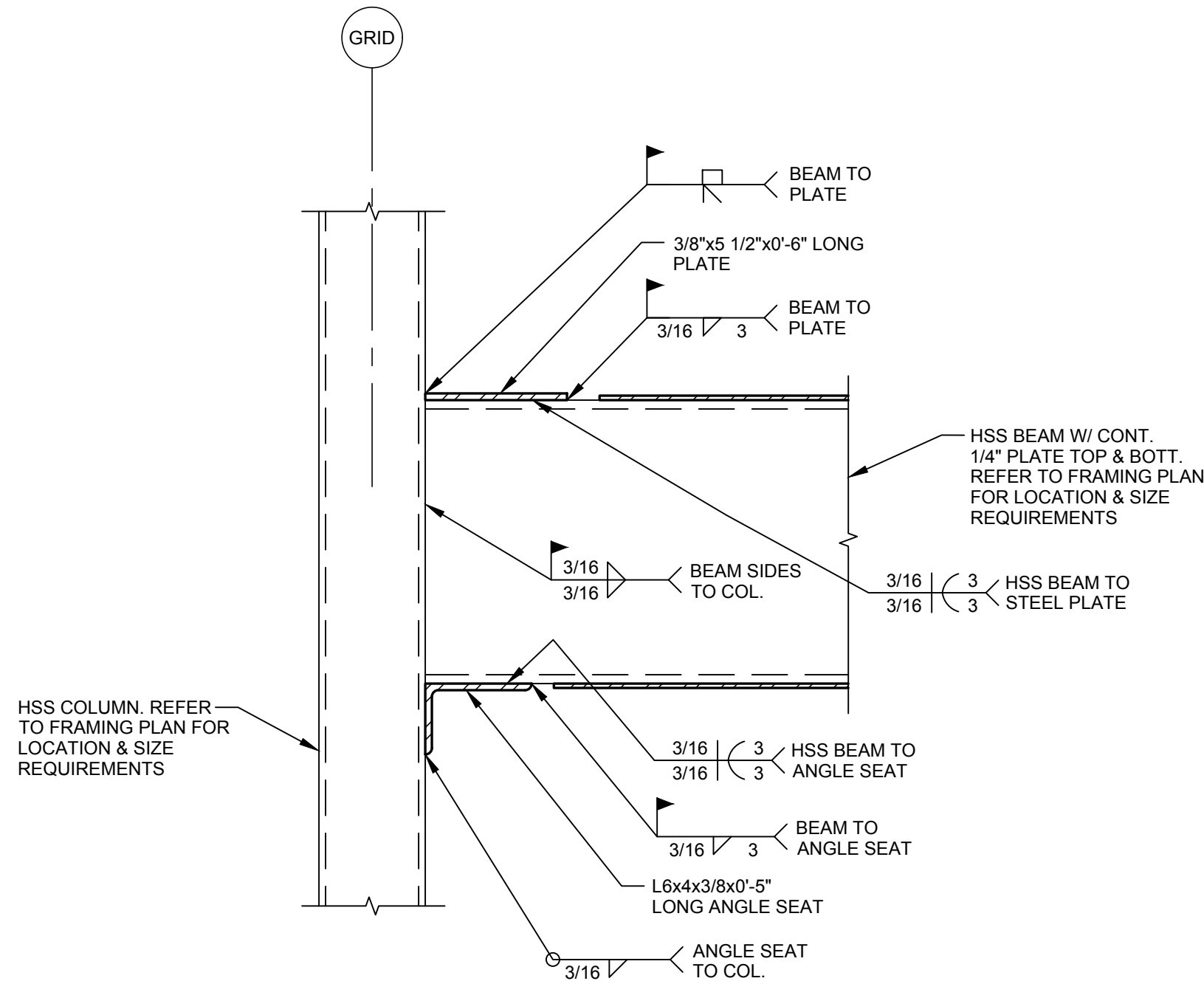
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HSS BEAM TO HSS COLUMN MOMENT CONN. AT TOWER

SCALE  
1 1/2\"/>

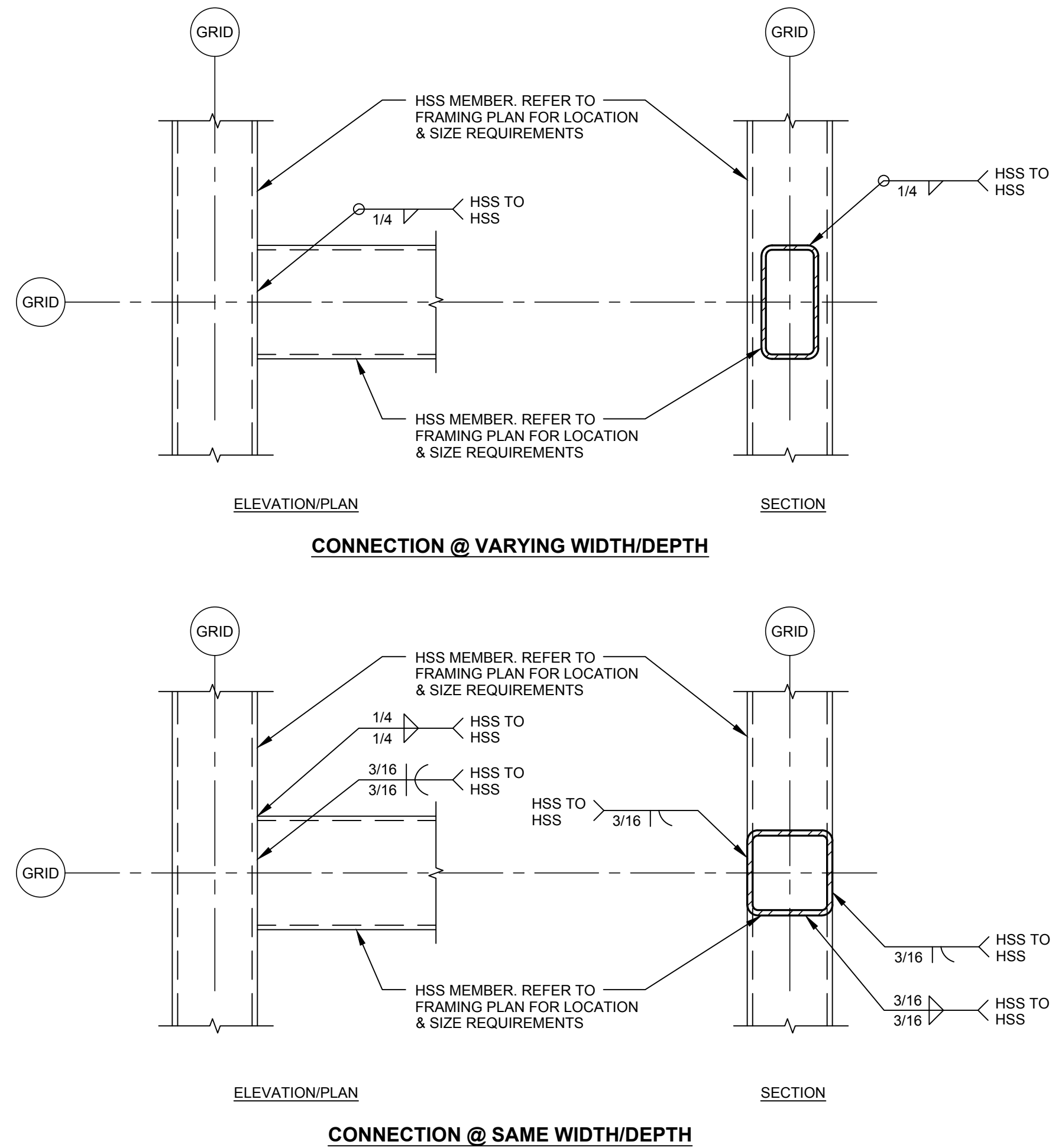
3



TYPICAL HSS BEAM TO HSS COLUMN

SCALE  
1 1/2\"/>

4



TYPICAL WELDED HSS CONNECTION DETAILS

SCALE  
1 1/2\"/>

5

NOT USED

SCALE  
1 1/2\"/>

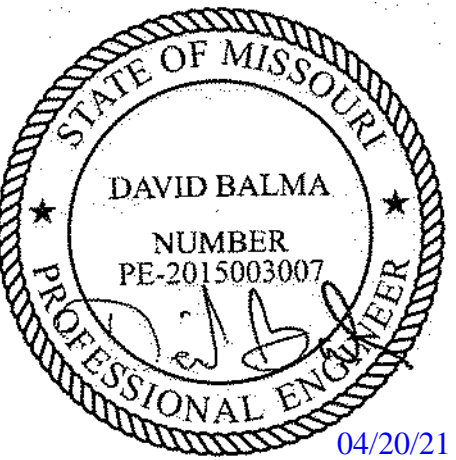
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DRAWN BY:	J.PEREZ	
CHECKED BY:	E.SCALGIONE	
VERSION:	SE_1.00	

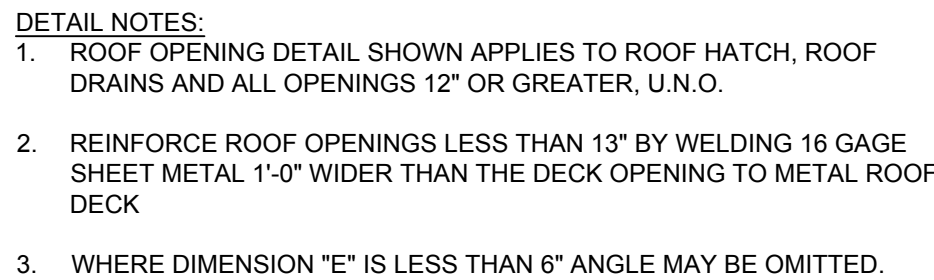
SHEET TITLE

**STEEL CONNECTION  
DETAILS AND  
SECTIONS**

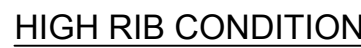
SHEET NUMBER

**S6.2**





SCALE	1
N.T.S.	

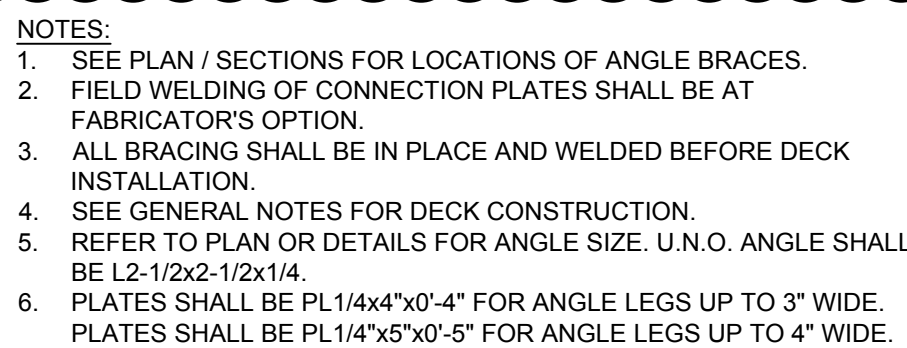


SCALE	2
N.T.S.	



SCALE	3
N.T.S.	

SCALE	4
N.T.S.	



SCALE	5
N.T.S.	

SCALE	6
N.T.S.	

SCALE	7
N.T.S.	



SCALE	8
N.T.S.	

08/13/2021

# CHASE

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HWY 291 & NELANGSFORD RD

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## PROJECT INFORMATION

PROJECT NO:	JPM.27135.00
DATE:	2020.12.2
<b>PROTOTYPE:</b>	<b>20.</b>
DRAWN BY:	J.PERE
CHECKED BY:	E.SCALGION
VERSION:	SE_1.0

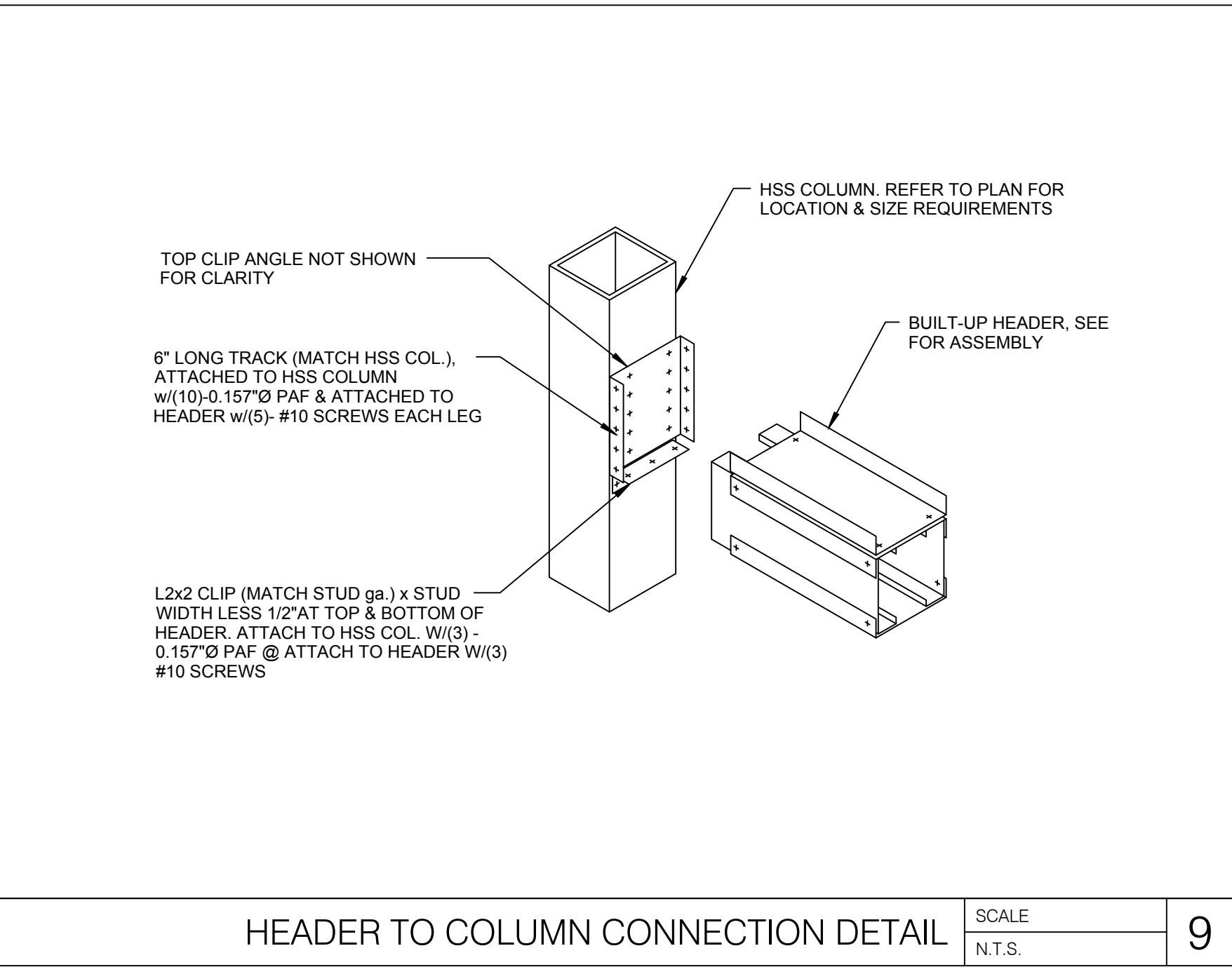
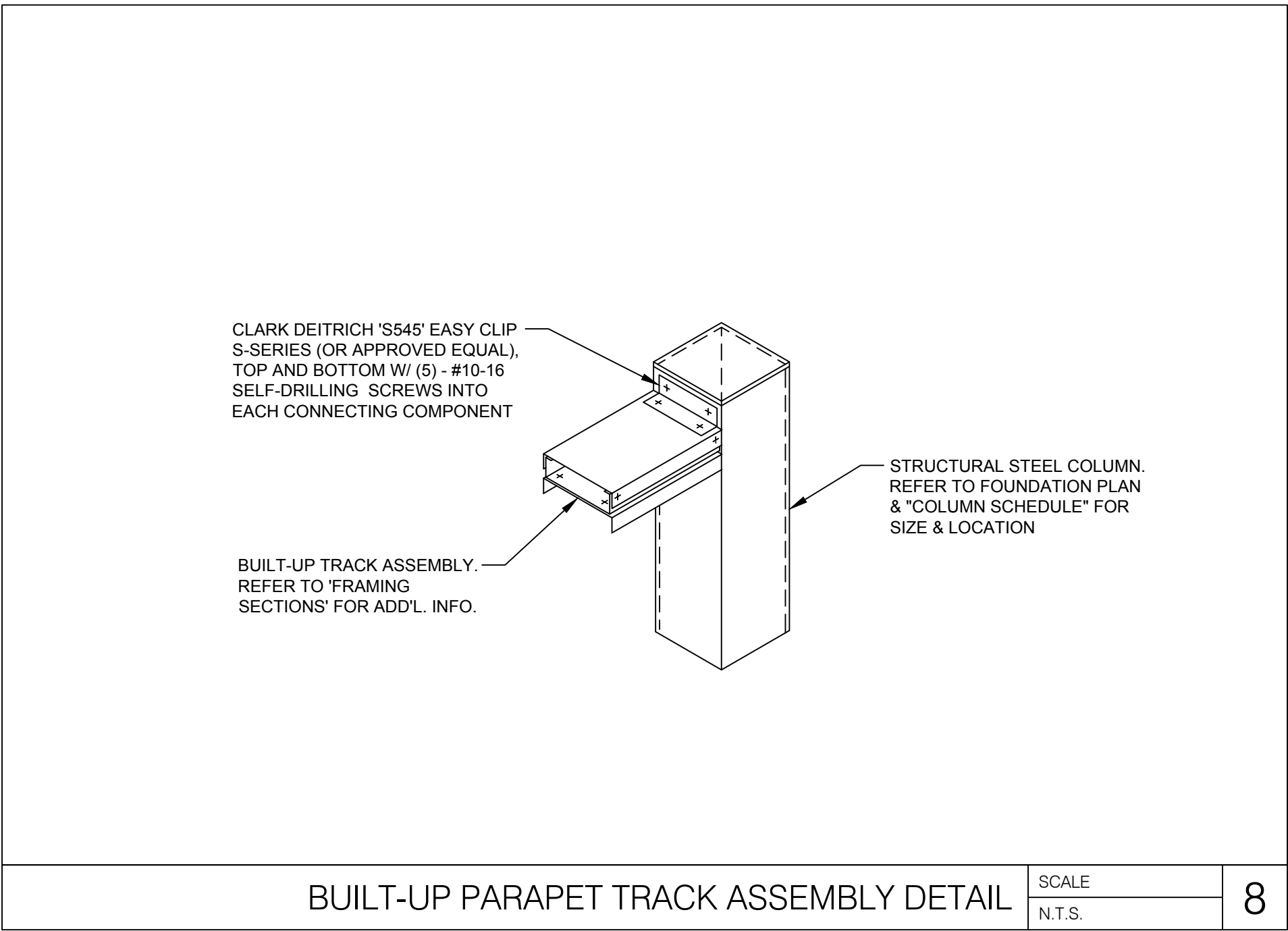
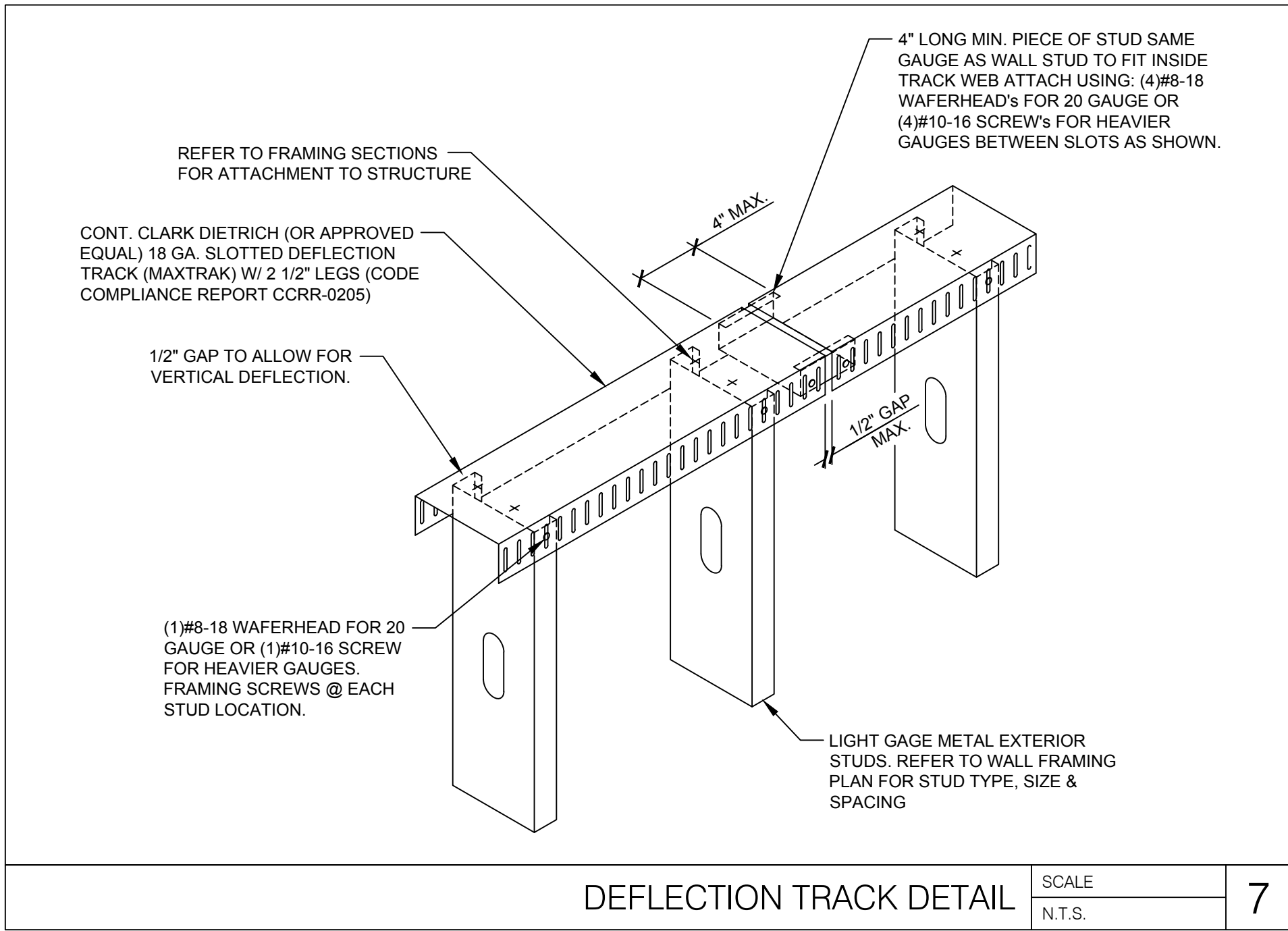
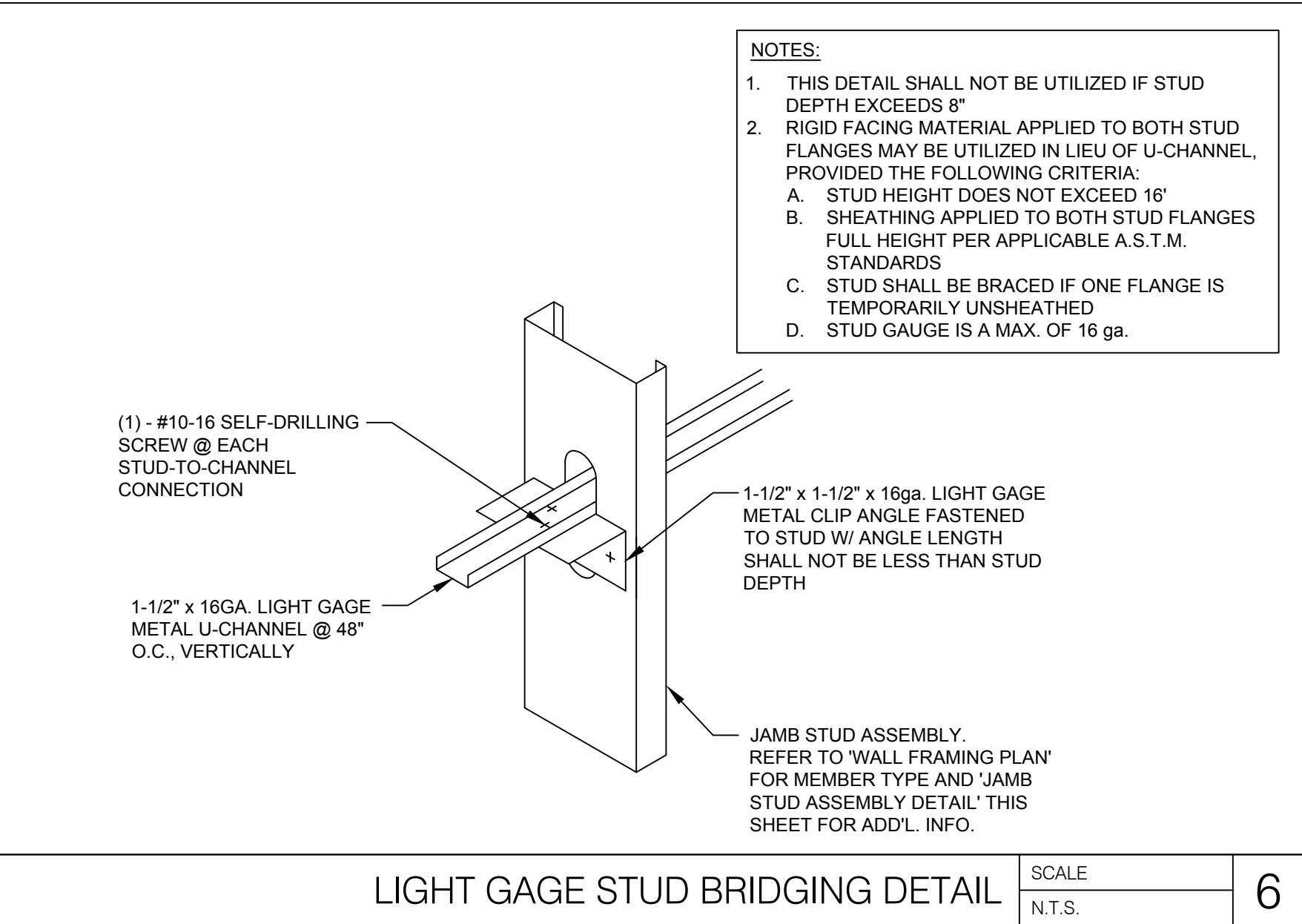
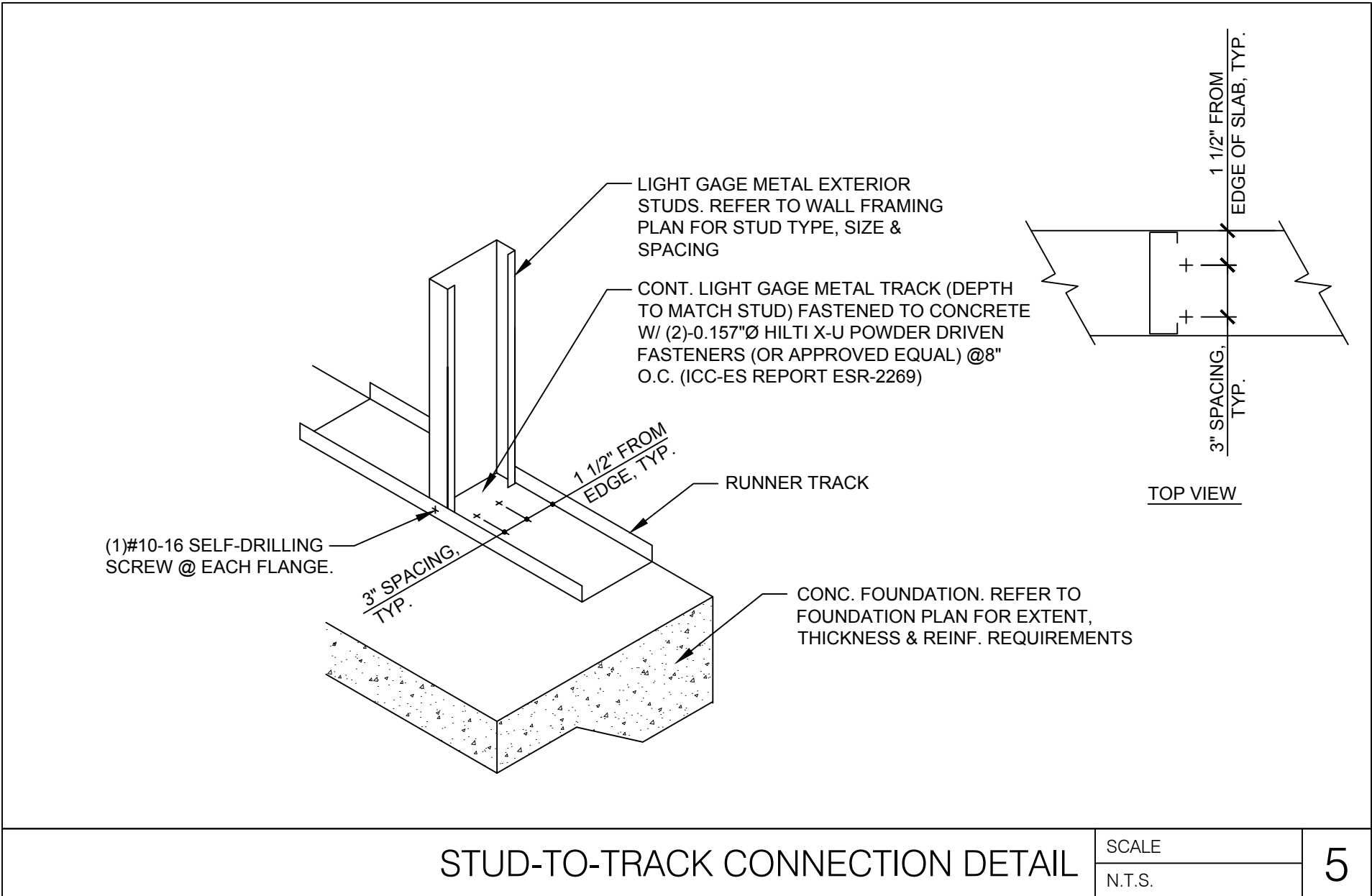
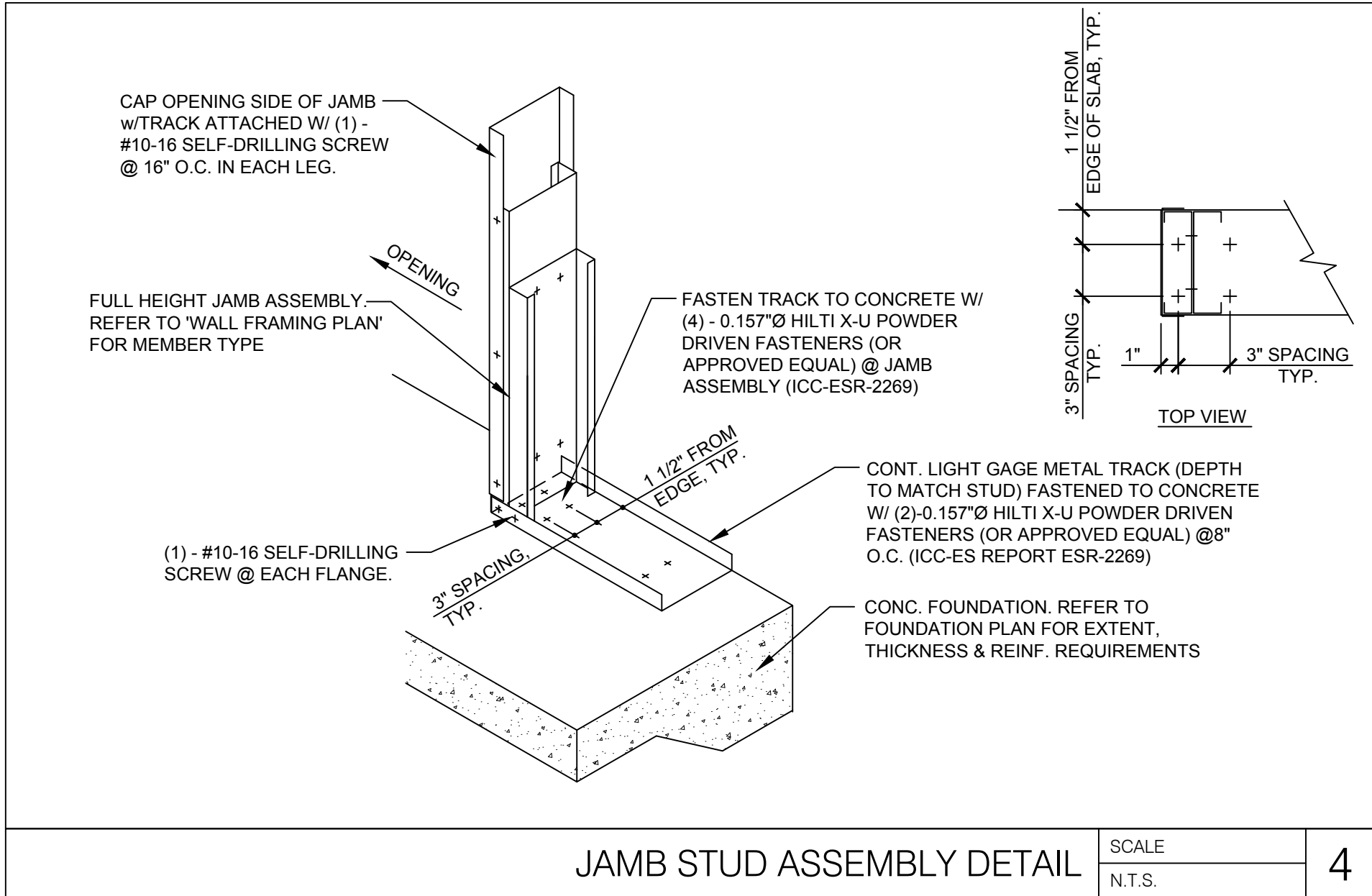
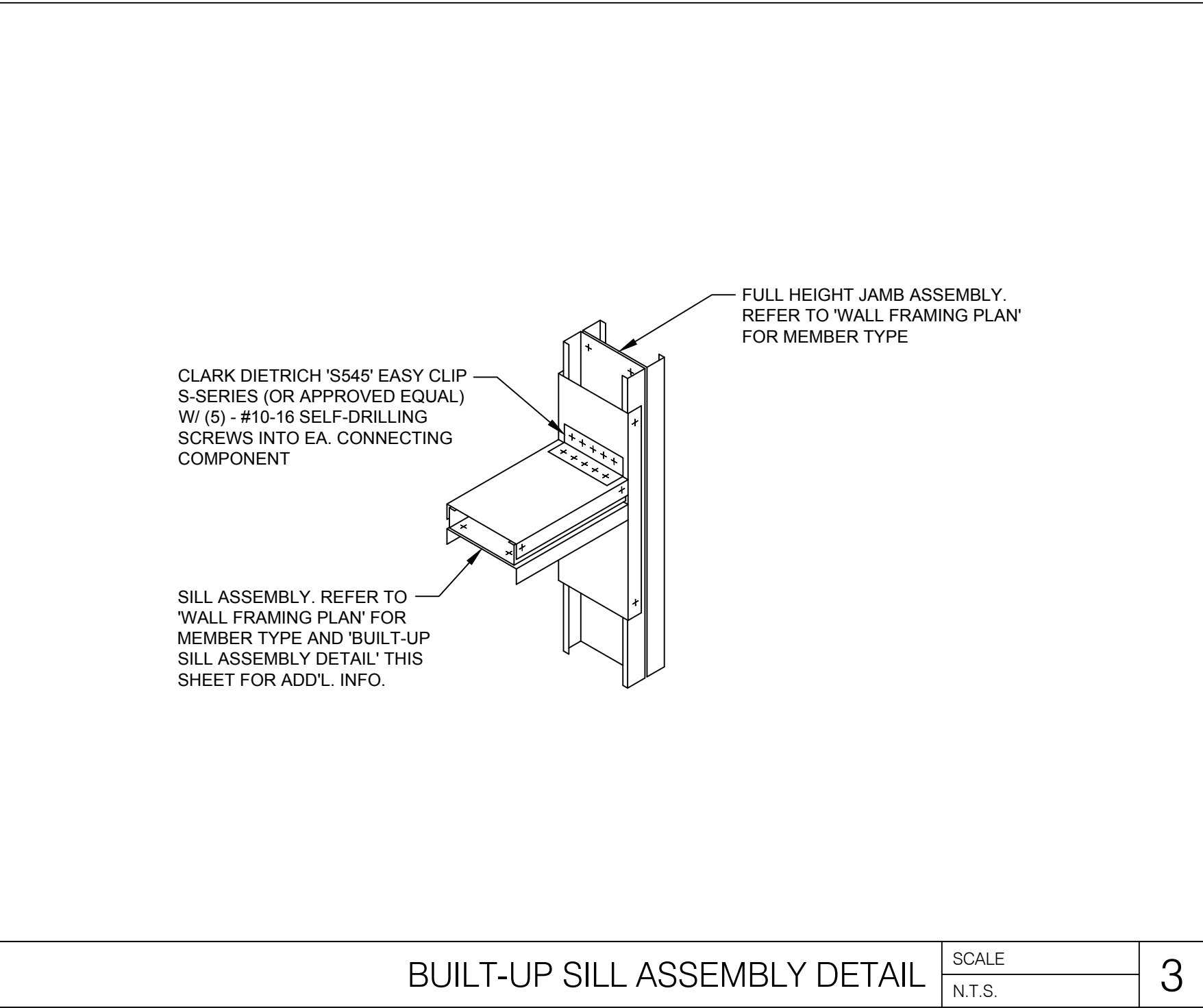
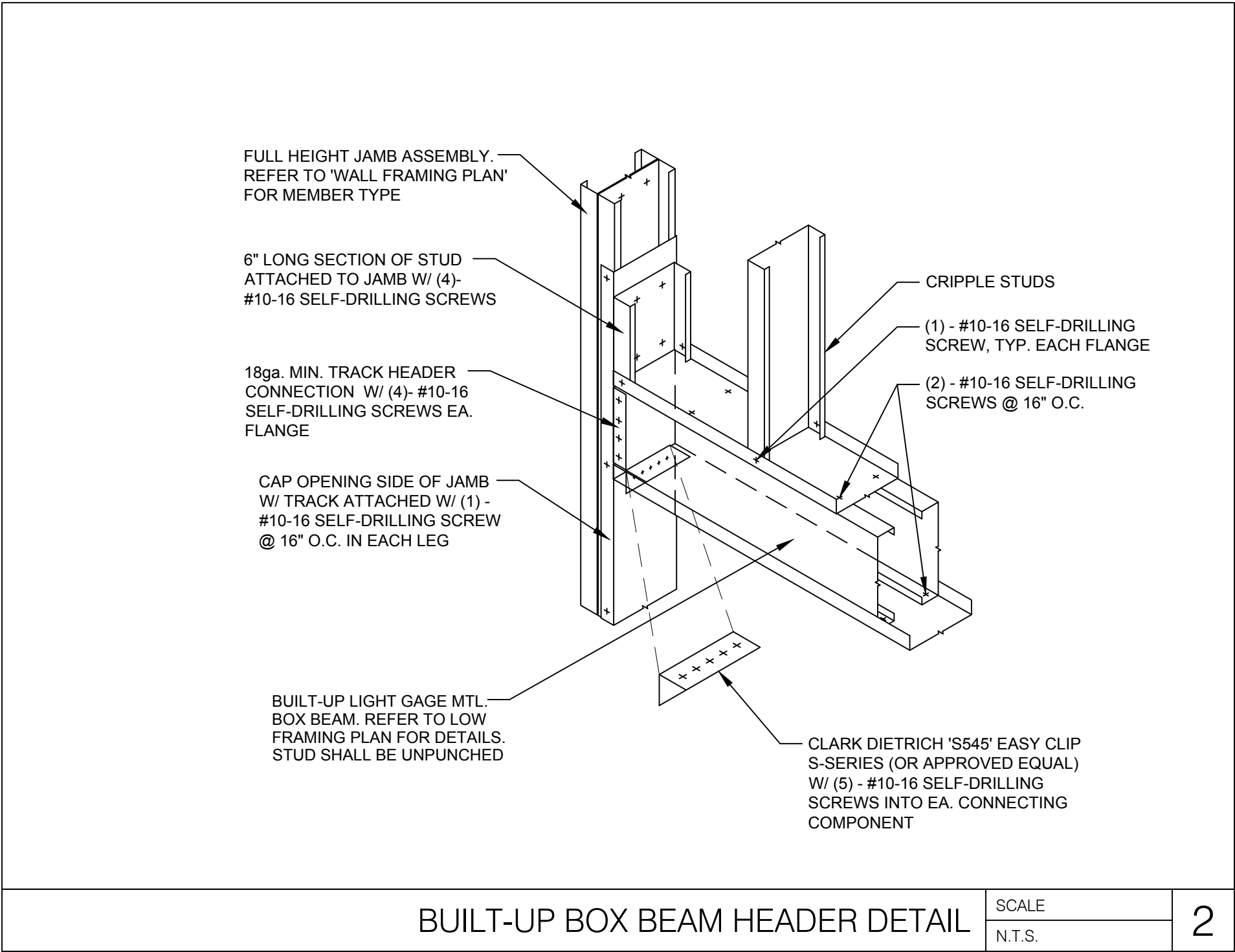
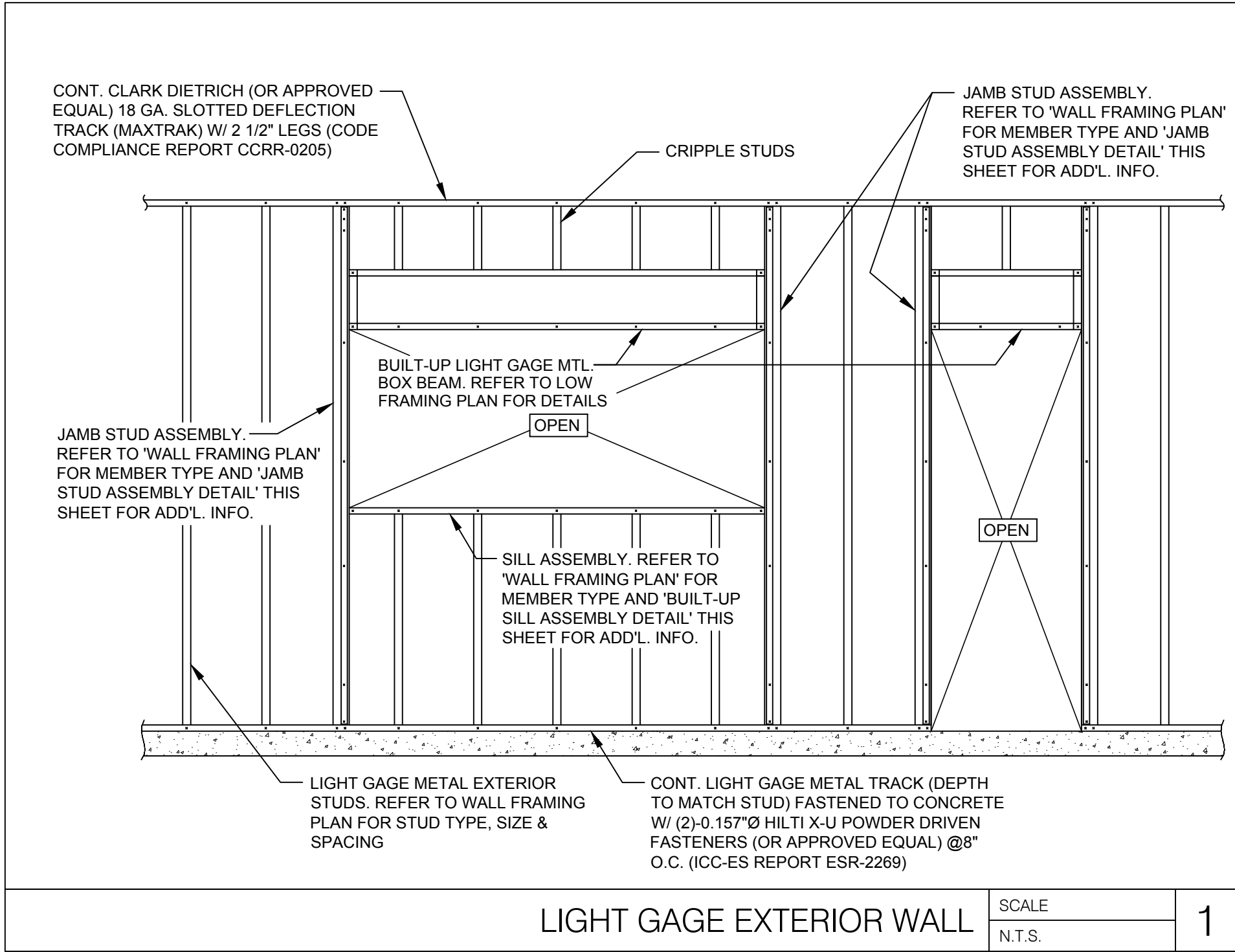
SHEET TITLE

## TYPICAL STEEL DETAILS

SHEET NUMBER

## S6.3





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STATE OF MISSOURI  
DAVID BALMA  
NUMBER  
PE-2015003007  
PROFESSIONAL ENGINEER  
04/20/21

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ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	J.PEREZ	
CHECKED BY:	E.SCALGIONE	
VERSION:	SE_1.00	

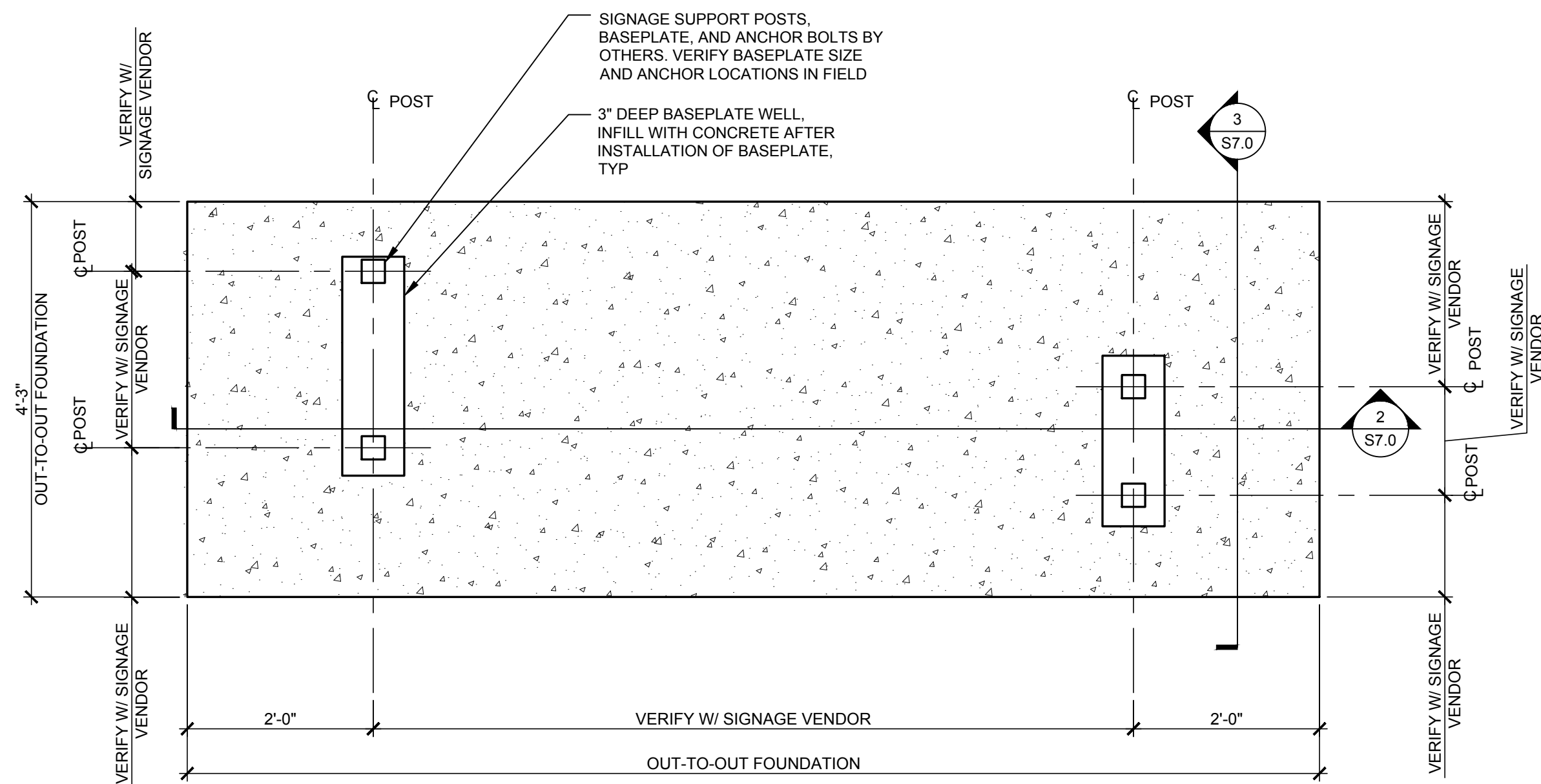
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TYPICAL LIGHT  
GAGE DETAILS

SHEET NUMBER

S6.4

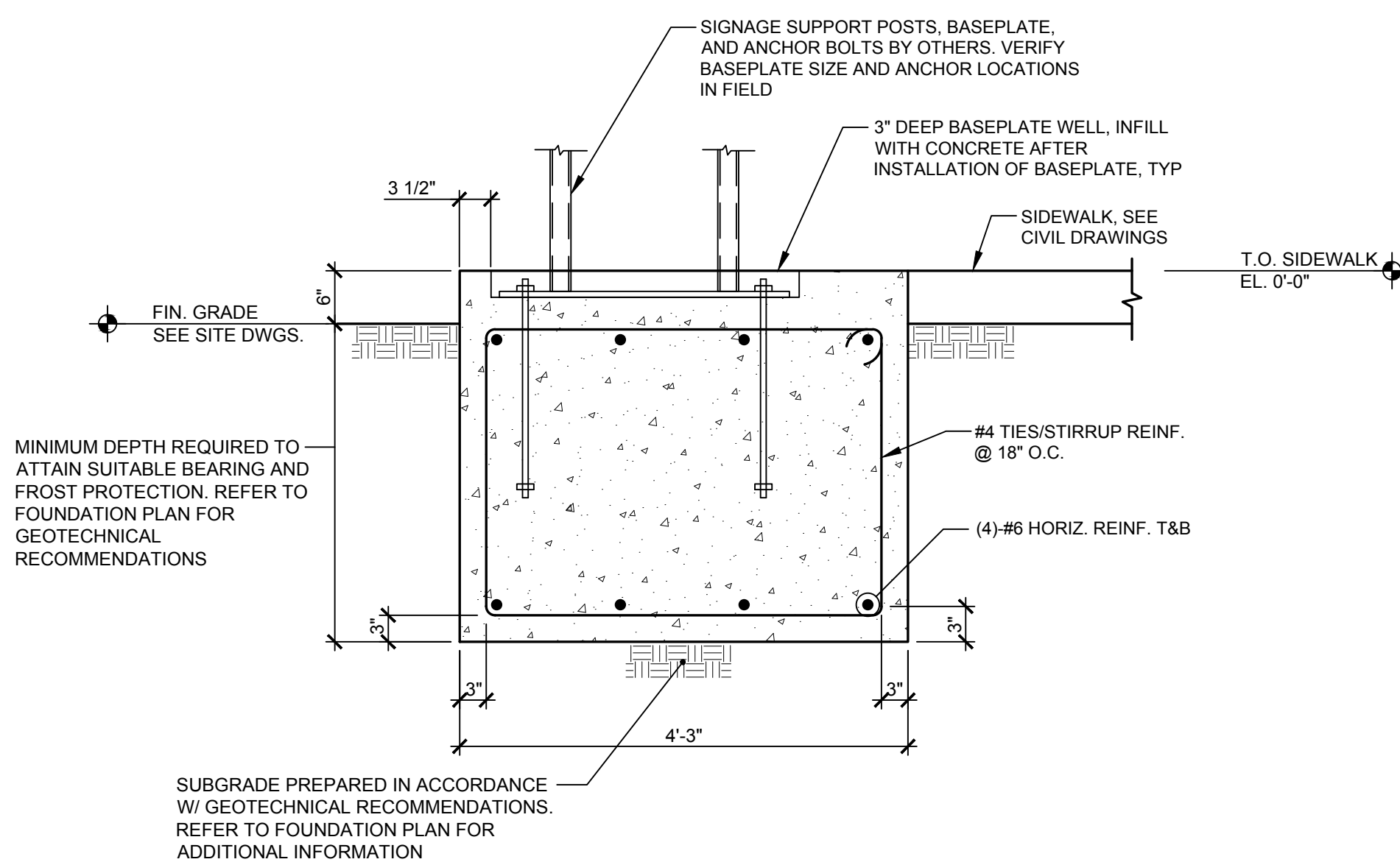




ATM CANOPY FOUNDATION PLAN

SCALE  
1/4" = 1'-0"

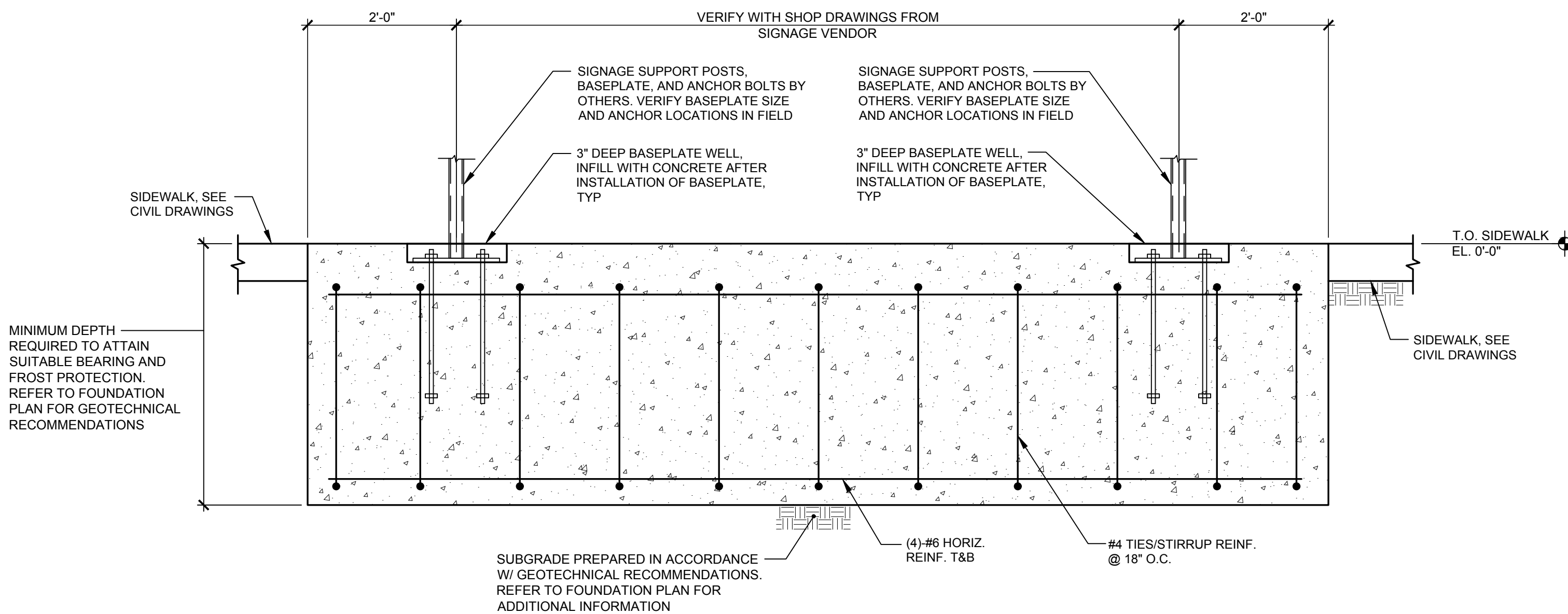
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ATM CANOPY TRANSVERSE FOUNDATION SECTION

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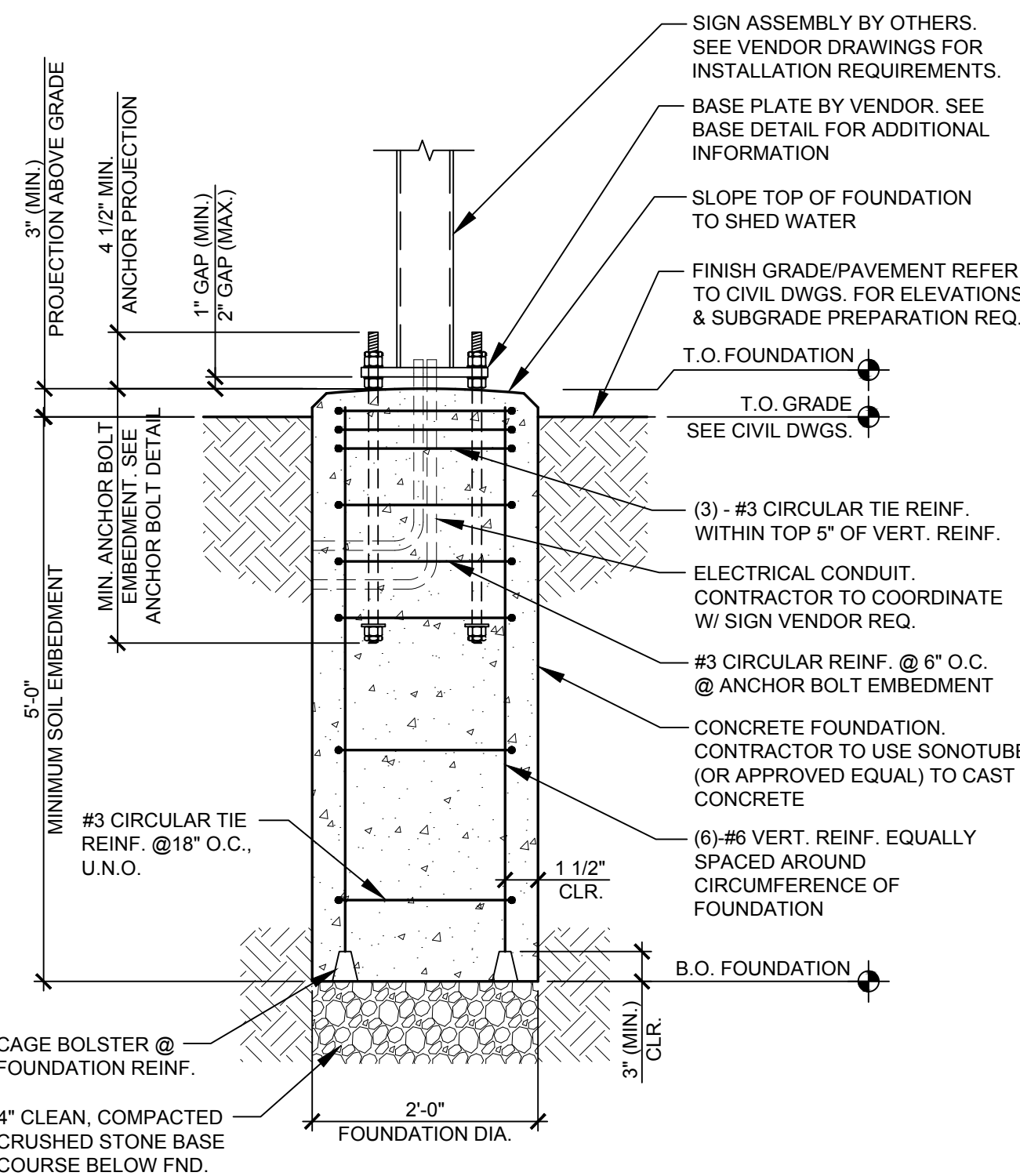
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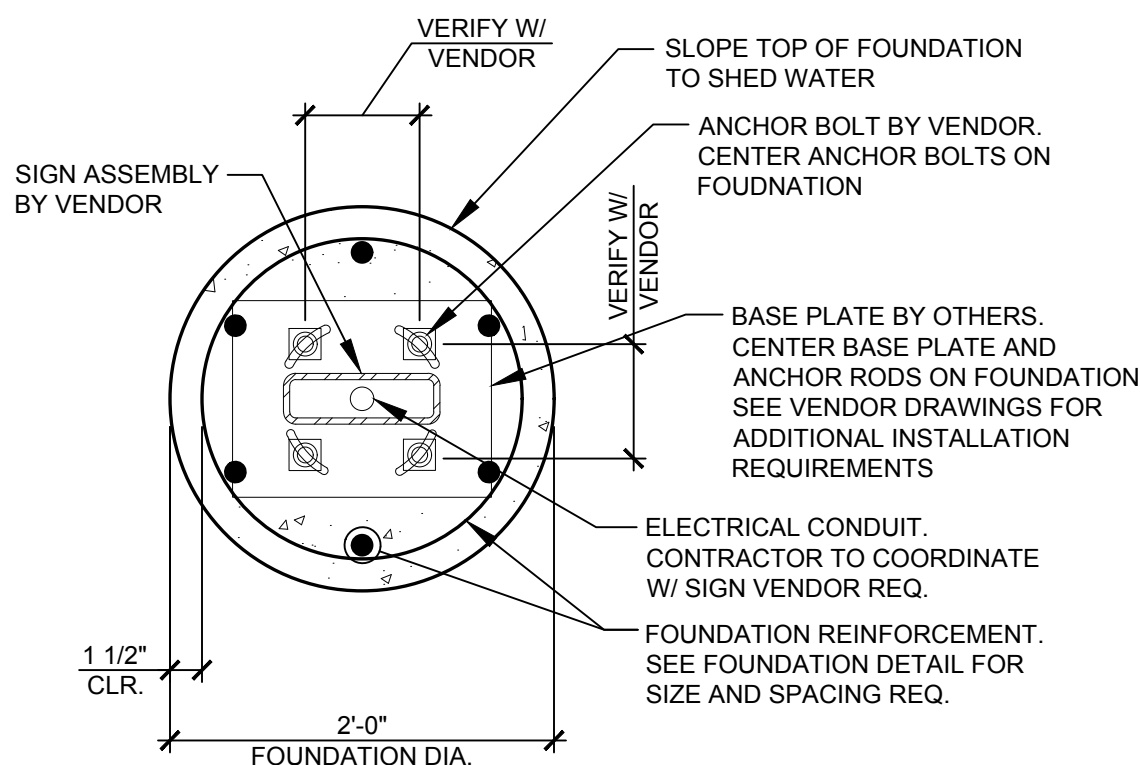
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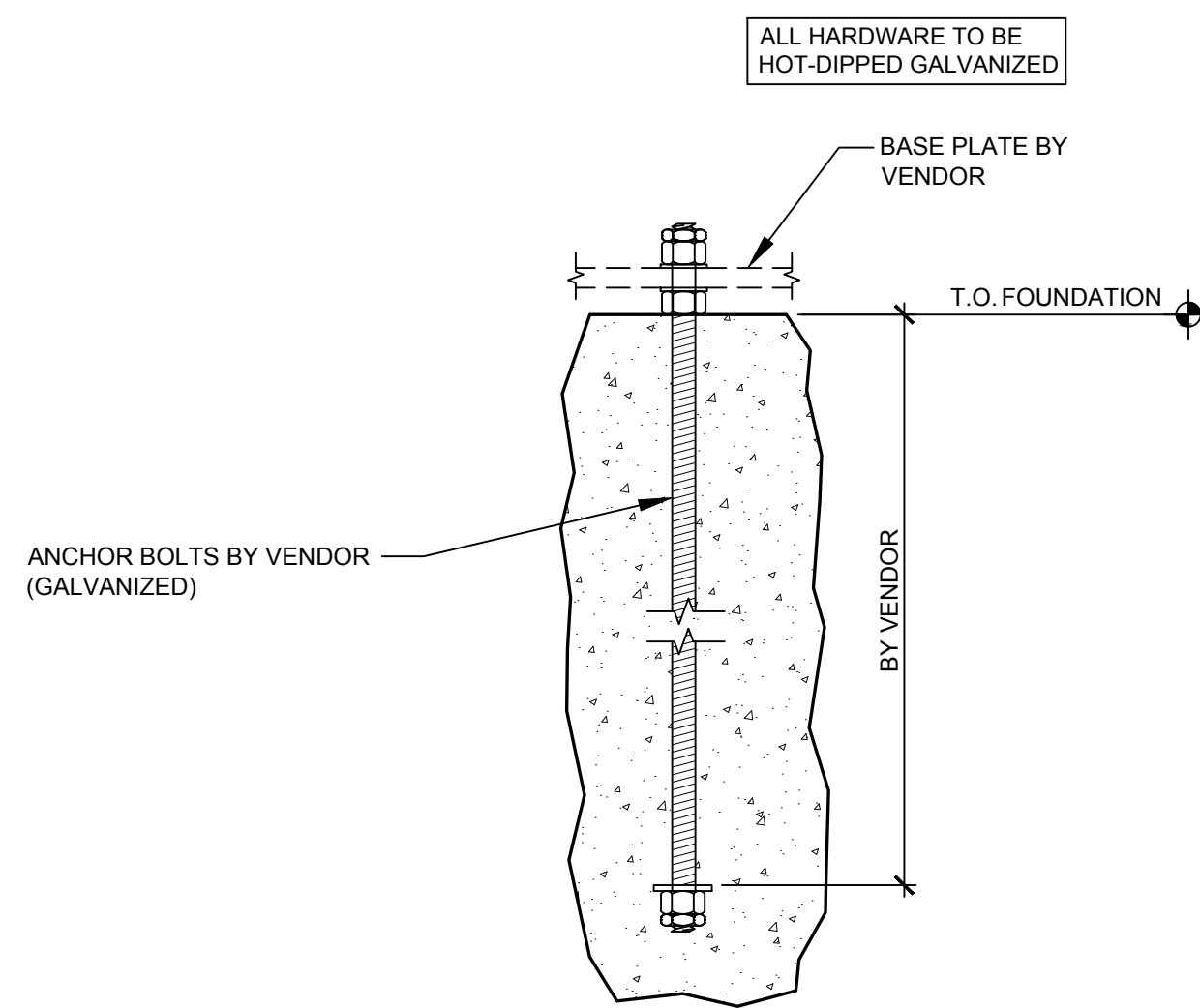
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FOUNDATION DETAIL



BASE DETAIL



ANCHOR BOLT DETAIL

HEADACHE BAR FOUNDATION DETAILS

SCALE  
3/4" = 1'-0"

4

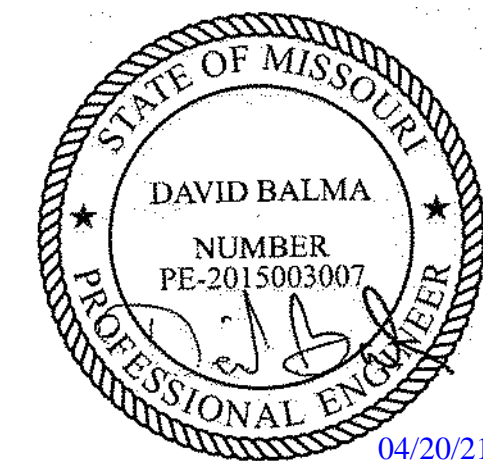
RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP

1700 Industrial Drive Suite B  
Rogers, AR 72756  
479.959.4400  
www.core-states.com

ENGINEER OF RECORD



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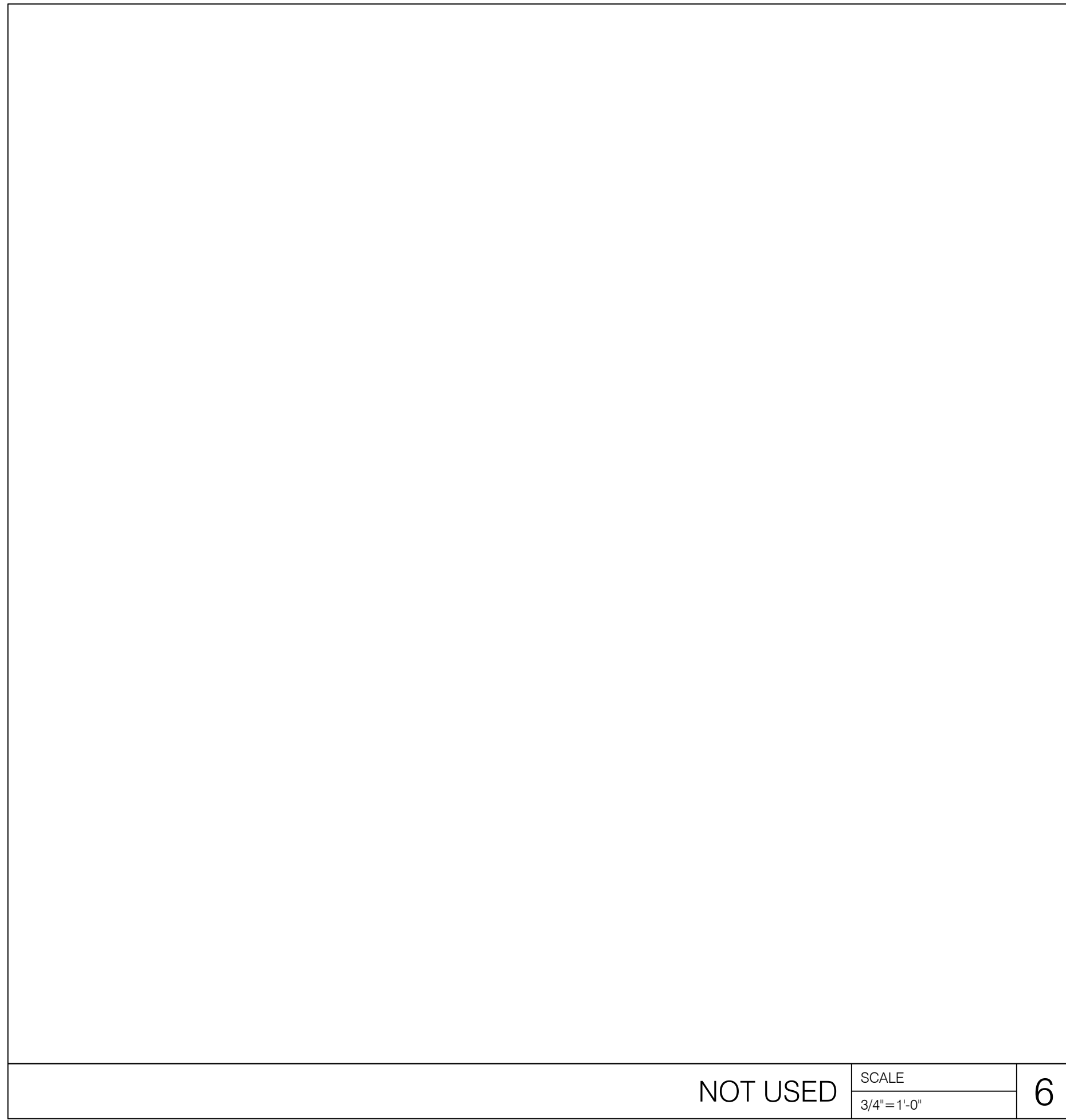
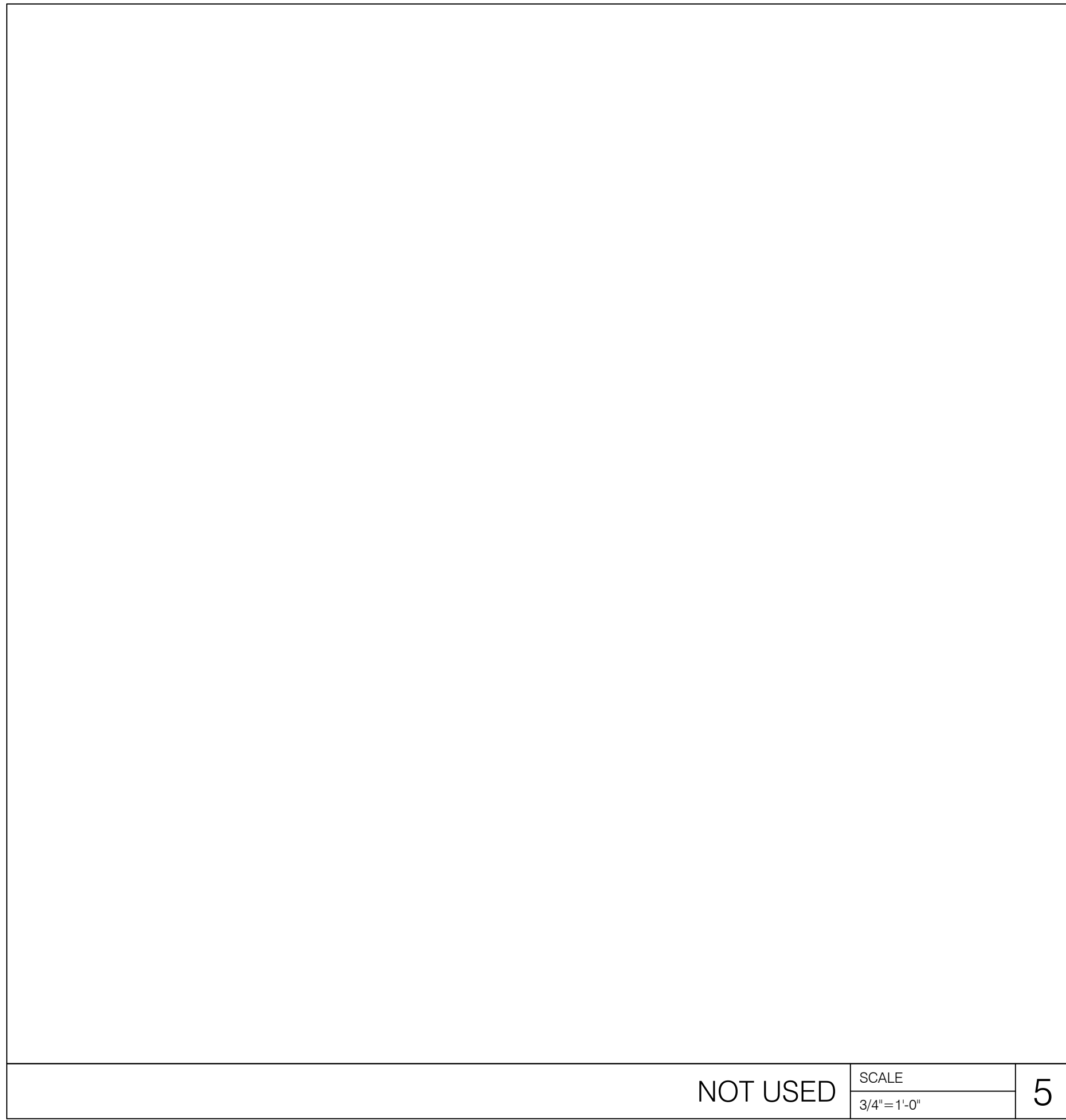
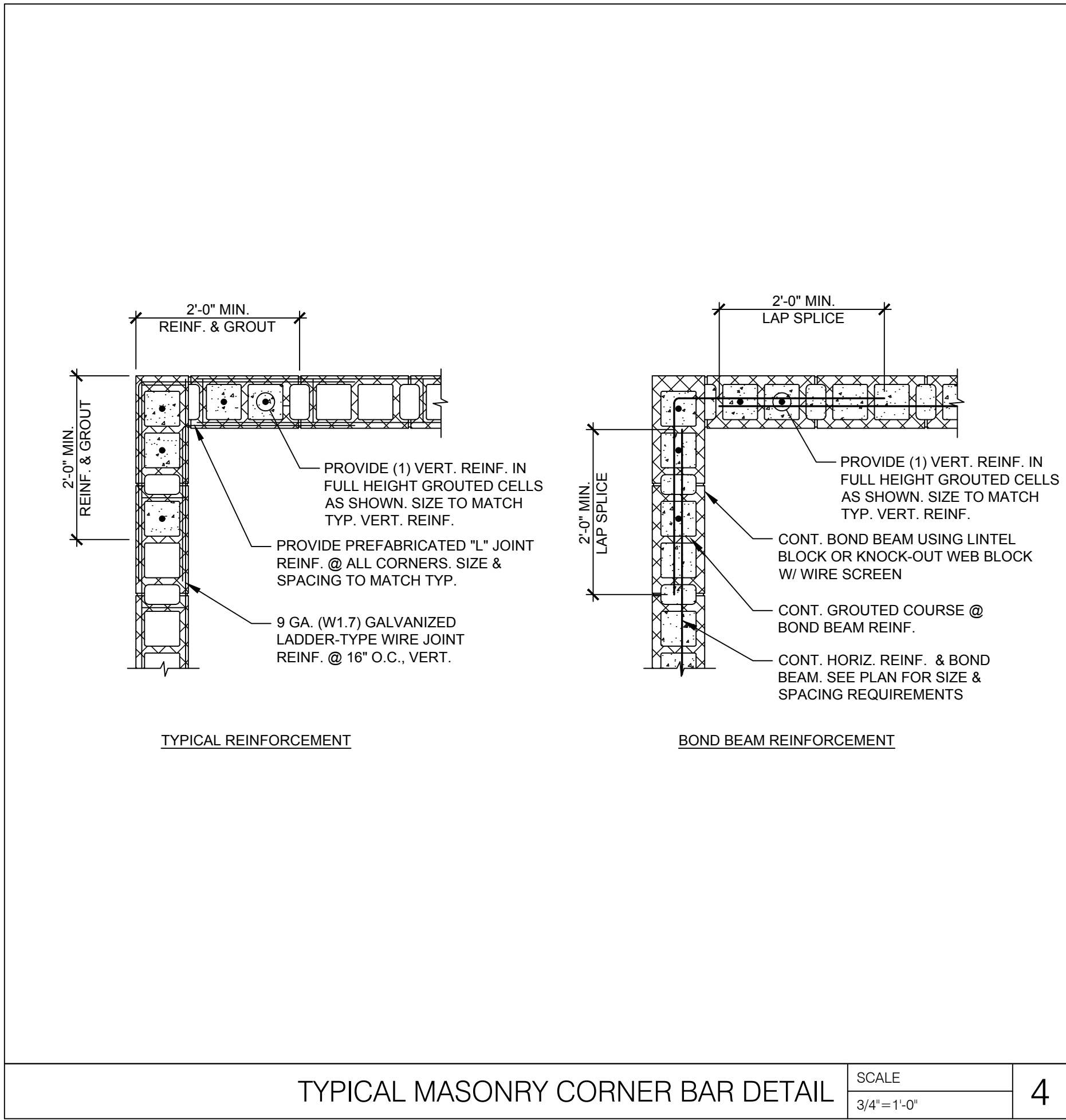
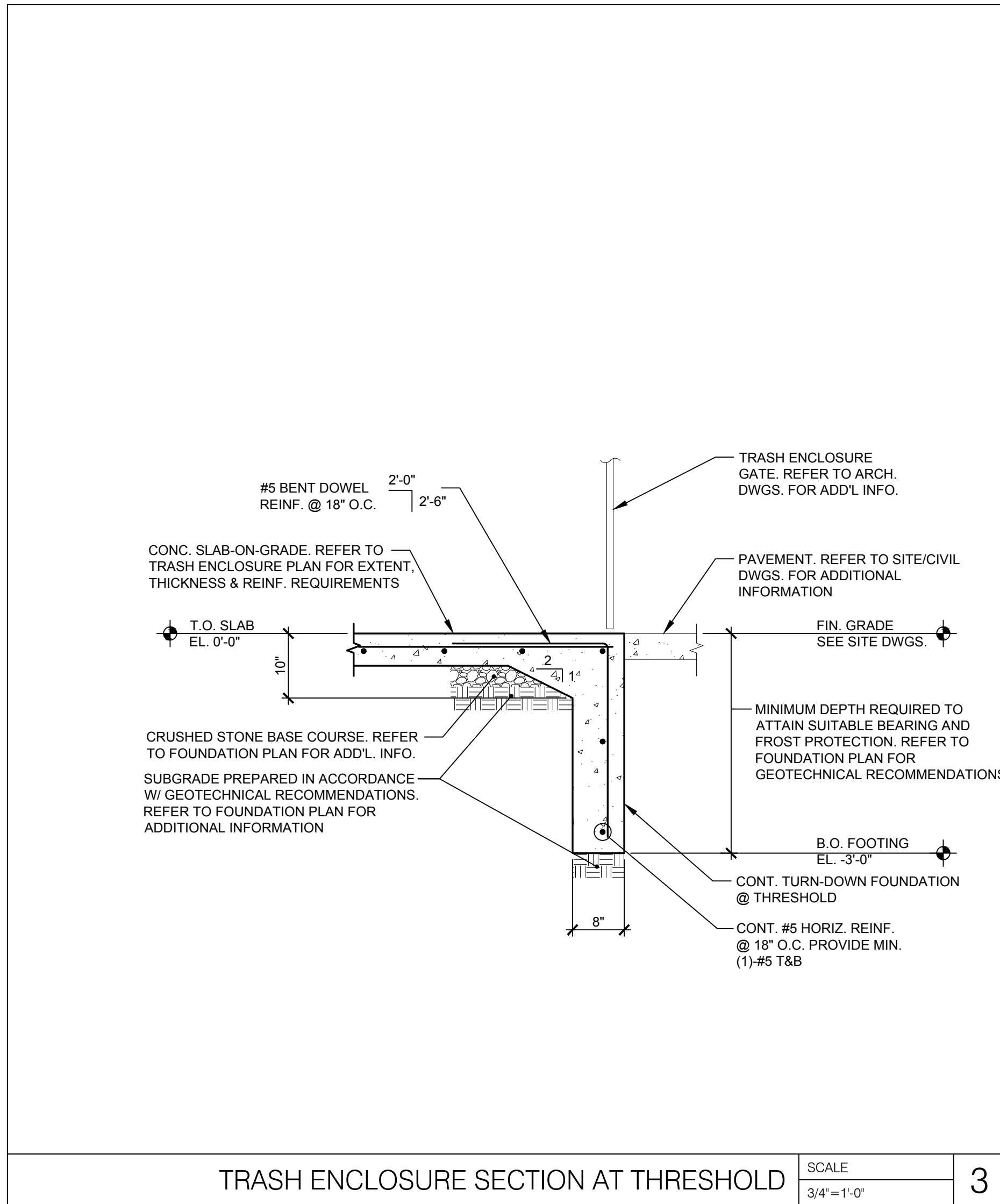
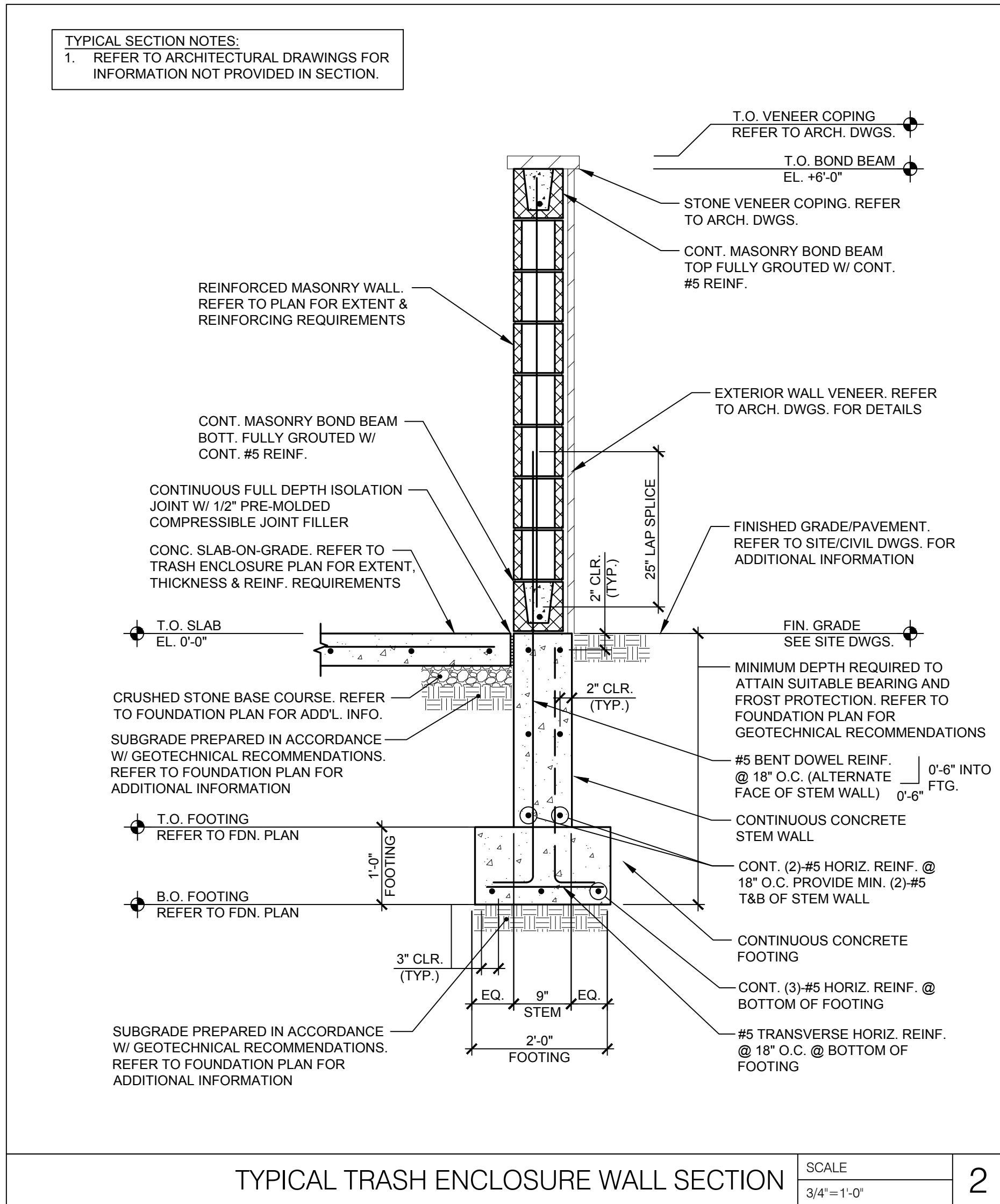
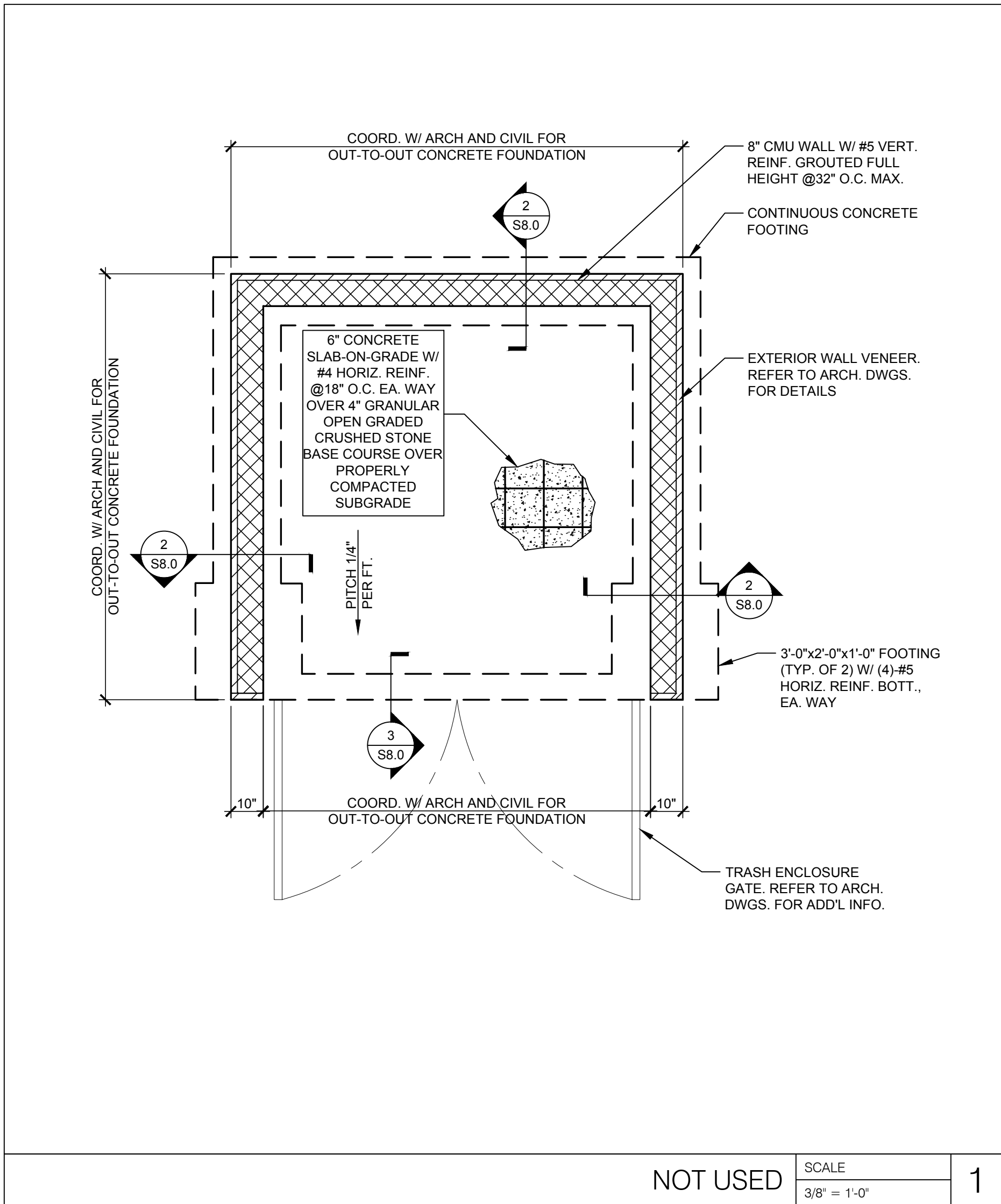
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CANOPY  
FOUNDATION  
PLAN & DETAILS

SHEET NUMBER

S7.0



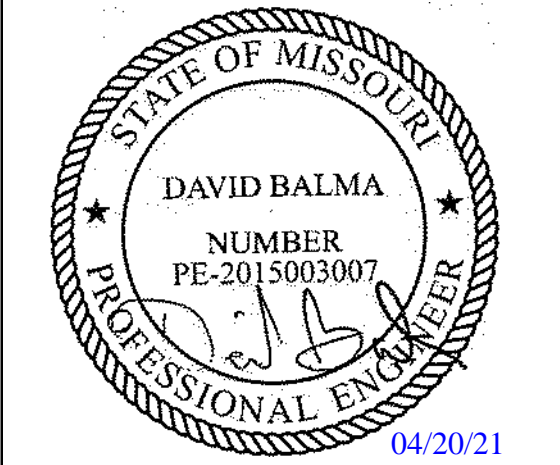


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SHEET TITLE

TRASH  
ENCLOSURE  
DETAILS

SHEET NUMBER

S8.0



MECHANICAL GENERAL NOTES:

1.	HVAC WORK CONSISTS OF PROVIDING AIR CONDITIONING SYSTEMS FOR A COMPLETE OPERATING SYSTEM AS INDICATED ON THE DRAWINGS. ALL WORK SHALL COMPLY WITH 2018 INTERNATIONAL MECHANICAL CODE AND ALL OTHER APPLICABLE CODES IN SPECIFICATIONS. IT IS THE INTENTION OF THE CONTRACT DRAWINGS AND SPECIFICATION TO CALL FOR COMPLETE, FINISHED WORK, TESTED, AND READY FOR OPERATION.
2.	AN AIR BALANCE SHALL BE PERFORMED BY AN APPROVED INDEPENDENT THIRD PARTY AIR BALANCE CONTRACTOR IN ACCORDANCE WITH THE LATEST EDITION OF STANDARDS PUBLISHED BY THE ASSOCIATED AIR BALANCE COUNCIL (AABC), THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB), OR THE TESTING, ADJUSTING, AND BALANCING BUREAU (TABB). BALANCE EACH SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DEVICE WITHIN 5% OF REQUIREMENTS AND FURNISH A REPORT TO THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD. THE ENTIRE HVAC SYSTEM MUST BE FULLY OPERABLE, BALANCED, AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3.	ALL DUCT SIZES SHOWN ARE FREE AREA SIZES AND DO NOT ACCOUNT FOR INSULATION. INSULATE ALL DUCTWORK, EXCEPT EXHAUST DUCTWORK, WITH 2" FIBERGLASS DUCT WRAP INSTALLED TO A MINIMUM R VALUE OF 6. PROVIDE WITH VAPOR BARRIER AND TAPE ALL JOINTS. PROVIDE 1" THICK DUCT LINER WHERE INDICATED ON PLANS.
4.	PROVIDE SPIN-IN FITTINGS AT ALL FLEXIBLE DUCT RUN OUTS TO DIFFUSERS (NO EXTRACTOR) AND DAMPER.
5.	MAXIMUM LENGTH OF FLEX DUCT IS LIMITED TO 5'-0".
6.	ALL PIPING SUBJECT TO THERMAL EXPANSION AND/OR CONTRACTION THAT PENETRATES A SMOKE, FIRE, OR FIRE/SMOKE WALL, PARTITION, OR FLOOR SLAB SHALL BE SUITABLY SLEEVED AND FIRE-SAFED.
7.	METAL DUCTS WHICH PENETRATE 1 HOUR RATED FIRE WALLS AND ARE LESS THAN 100 SQUARE INCHES SHALL EXTEND A MINIMUM OF 5 FEET ON BOTH SIDES OF THE WALL WITHOUT AN OPENING (TO PRECLUDE THE REQUIREMENT OF A FIRE DAMPER). DUCTWORK SHALL IN NO CASE BE LIGHTER THAN 24 GAUGE STEEL.
8.	PROVIDE IDENTIFICATION OF THE LOCATION OF ALL FIRE AND BALANCING DAMPERS. IDENTIFICATION TAGS SHALL BE AFFIXED TO THE WALLS OR CEILINGS AND SHALL BE VISIBLE FROM THE OCCUPIED SPACE.
9.	PROVIDE ORANGE TAGS ON ALL VOLUME AND BALANCING DAMPERS ABOVE THE CEILING. TAGS AND DAMPER HANDLES SHALL BE VISIBLE AND ACCESSIBLE FOR THE TEST & BALANCE AGENCY.
10.	ALL PIPING SHALL BE SUPPORTED WITH COMMERCIAL MANUFACTURED CLAMPS. PROVIDE ISOLATION SLEEVES TO PREVENT CONTACT OF DISSIMILAR METALS.
11.	INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURERS' INSTRUCTIONS AND RECOMMENDATIONS.
12.	CONTRACTOR TO PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS.
13.	ALL INSULATION SHALL BE FIRE RATED IN ACCORDANCE WITH NFPA 90A 50/25 SMOKE DEVELOPMENT AND FLAME SPREAD REQUIREMENTS. INSULATION "R" VALUES SHALL COMPLY WITH APPLICABLE ENERGY CODE.
14.	MOUNT ALL SPACE THERMOSTATS 48" AFF. MOUNT REMOTE TEMPERATURE SENSORS AT 60" AFF UNLESS OTHERWISE NOTED. COORDINATE WITH ADJACENT EQUIPMENT.
15.	INSTALL DUCT MOUNTED SMOKE DETECTORS (FURNISHED BY DIVISION 26) IN SUPPLY AND/OR RETURN AIR DUCTWORK WHERE REQUIRED AND IN ACCORDANCE WITH APPLICABLE CODE. WIRE DUCT MOUNTED SMOKE DETECTORS SUCH THAT ACTIVATION WILL DE-ENERGIZE AIR HANDLING UNIT FAN. LOCATE DUCT MOUNTED SMOKE DETECTORS THE REQUIRED DISTANCE DOWNSTREAM FROM BENDS OR INLETS AS RECOMMENDED BY THE MANUFACTURER.
16.	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS OF MECHANICAL EQUIPMENT.
17.	UNLESS OTHERWISE NOTED, INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO THE BOTTOM OF THE STRUCTURE. COORDINATE ELEVATION AND LOCATION WITH RAIN LEADERS, WATER PIPING, PLUMBING VENTS, AND MAJOR ELECTRICAL CONDUITS OR CABLE TRAY.
18.	PROVIDE DRAIN P-TRAPS IN THE CONDENSATE LINES AT ALL AIR HANDLING UNITS. SIZE PER MANUFACTURERS REQUIREMENTS.
19.	CONTRACTOR SHALL NOT ATTACH SUPPORTS OR HANGERS DIRECTLY TO THE DECK, CEILING SUPPORT SYSTEM, OR DUCTWORK ABOVE. HANGERS, SUPPORTS, FASTENING DEVICES, ETC. SHALL BE FASTENED TO TOP CHORD OF THE JOIST AND/OR FLANGE OF THE BEAMS ABOVE.
20.	THE ENGINEER HAS MADE AN EXTENSIVE EFFORT TO IDENTIFY ABOVE CEILING CONFLICTS. THE CONTRACTOR IS RESPONSIBLE TO CHECK FIELD CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY PROBLEMS/CONFLICTS TO THE ENGINEER WITHIN 2 DAYS OF DISCOVERY. ANY CHANGES RESULTING FROM CONDITIONS ARISING IN THE FIELD WHICH WERE NOT BROUGHT TO THE ENGINEER'S ATTENTION ARE TO BE MADE BY THIS CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER.
21.	THE WORK INDICATED ON THESE DRAWINGS IS GENERALLY DIAGRAMMATIC AND IS INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE THE GENERAL ARRANGEMENT OF DUCTWORK AND EQUIPMENT.
22.	ALL WORK IS TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. ALL DEFECTS WHICH DEVELOP OR ARE DISCOVERED WITHIN THIS PERIOD SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
23.	UPON COMPLETION OF THE WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL REMOVE ALL TOOLS, APPLIANCES, SURPLUS MATERIALS, AND SCRAP. ALL IDENTIFIED EXISTING EQUIPMENT TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER.
24.	WHEN CONFLICTS OCCUR IN SPECIFICATIONS OR IN THE DRAWINGS, OR BETWEEN EITHER, THE ITEMS OF GREATER QUANTITY OR HIGHER COST SHALL BE PROVIDED.
25.	THE CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES IN ORDER TO AVOID CONFLICTS.
26.	PROVIDE BALANCING DAMPER IN EACH BRANCH CONNECTION.
27.	ALL DUCTWORK INSTALLED ON THIS PROJECT SHALL BE OF SHEET METAL CONSTRUCTION. DUCTWORK SHALL BE FABRICATED AND CONSTRUCTED IN ACCORDANCE WITH SMACNA REQUIREMENTS.
28.	MECHANICAL CONTRACTOR SHALL PROVIDE NAMEPLATE INFO TO THE FACILITY MANAGER FOR ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, FAN COILS, CONDENSING UNITS, RTUS, AND EXHAUST FANS.
29.	ALL REFRIGERANT SHALL BE R-410A. NO R-22 SHALL BE USED.
30.	ALL PROVISIONS FOR LINE VOLTAGE WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR. ALL PROVISIONS FOR LOW VOLTAGE WIRING SHALL BE BY THE MECHANICAL CONTRACTOR. FINAL CONNECTIONS SHALL BE BY THE MECHANICAL CONTRACTOR FOR LOW VOLTAGE WIRING UNLESS PROHIBITED BY LOCAL JURISDICTION. IN SUCH CASE THE MECHANICAL CONTRACTOR SHALL INFORM THE ELECTRICAL CONTRACTOR.
31.	ROUTE FULL SIZE PVC DRAIN PIPE FROM EACH RTU (1" MIN) DRAIN PAN AND FROM EACH FCU (3/4" MIN) TO RESPECTIVE FLOOR DRAIN OR TO DAYLIGHT WITH AIR GAP. INSULATE WITH 3/4" ARMSTRONG "ARMAFLEX" INSULATION.
32.	ALL MATERIALS WITHIN RETURN AIR PLENUMS OR EXPOSED WITHIN DUCTS SHALL BE NONCOMBUSTIBLE AND/OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84.

ABBREVIATIONS

AC	AIR CONDITIONING
ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
BD	BYPASS DAMPER
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSE POWER
BOT	BOTTOM
BTUH	BRITISH THERMAL UNIT PER HOUR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	CEILING
CT	COOLING TOWER
CU	CONDENSING UNIT
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DG	DOOR GRILLE
DN	DOWN
DP	DEW POINT
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ET	EXPANSION TANK
EL	ELEVATION
EQUIP	EQUIPMENT
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
ESP	EXTERNAL STATIC PRESSURE
FD	FIRE DAMPER
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FL	FLOOR
FFM	FEET PER MINUTE
FSD	FIRE/SMOKE DAMPER
G	NATURAL GAS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HUMIDITY
HC	HEATING COIL
HX	HEAT EXCHANGER
HP	HORSE POWER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MD	MOTORIZED DAMPER
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OS&Y	OUTSIDE SCREW & YOKE
PD	PRESSURE DROP
PRESS	PRESSURE
RA	RETURN AIR
RD	ROOF DRAIN
RG	REFRIGERANT
RL	RAIN LEADER
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SD	SMOKE DETECTOR
SA	SUPPLY AIR
SP	STATIC PRESSURE
SYS	SYSTEM
T	TEMPERATURE
TYP	TYPICAL
UC	UNDERCUT
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
VD	VOLUME DAMPER
VSD	VARIABLE SPEED DRIVE
WB	WET BULB

PIPING

	PIPING AND/OR EQUIPMENT TO BE REMOVED
	EXISTING PIPING TO REMAIN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSATE LINE
	REFRIGERANT PIPING
	HOT WATER SUPPLY
	HOT WATER RETURN
	DOMESTIC WATER
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALL VALVE
	PLUG VALVE
	BUTTERFLY VALVE
	PRESSURE REDUCING VALVE
	SAFETY OR PRESSURE RELIEF VALVE
	VALVE IN RISER
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45 OR 90 DEG.
	BOTTOM CONNECTION, 45 OR 90 DEG.
	SIDE CONNECTION
	CAPPED OUTLET
	DROP IN PIPING
	RISE IN PIPING
	UNION
	OUTSIDE SCREW & YOKE (O S & Y)
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	STRAINER WITH BALL VALVE
	EXPANSION JOINT

GENERAL CONTROL DEVICES

	THERMOSTAT / TEMPERATURE SENSOR
	HUMIDITY SENSOR / CARBON DIOXIDE SENSOR
	SMOKE DETECTOR (DUCT MOUNTED)
	PROVIDED BY DIV. 16
	INSTALLED BY DIV. 15

DAINTREE CONTROL DEVICES

	BMS WIRELESS THERMOSTAT: DAINTREE NETWORKS #WTS10		BMS WIRELESS EXTERIOR TEMP. SENSOR: TITAN #TPZOS/O/HA1.2
	BMS WIRELESS REMOTE TEMP. SENSOR: DAINTREE #TPZRS/HA1.2 (WALL MOUNT)		BMS WIRELESS DUCT TEMP. SENSOR: TITAN #TPZDS-S OR SIMILAR
	BMS WIRELESS REMOTE TEMP. SENSOR: DAINTREE #TPZRS/HA1.2 (CEILING MOUNT)		BMS HARDWIRED EQUIP. TEMP. SENSOR: DAINTREE #RBA-BA/10K-2-86
	CURRENT TRANSFORMER: DAINTREE #CR9580-10-M		BMS WIRELESS GENERAL ADAPTER: DAINTREE #WGA100
	LEAK DETECTION SENSOR: DAINTREE #RBA-BA/LDT1-PS-B8;		BMS WIRELESS SENSOR ADAPTER: DAINTREE #WSA10

NOTE:  
BMS CONTROL DEVICES TO BE ORDERED FROM THE BMS EQUIPMENT VENDOR. COORDINATE WITH PROJECT ELECTRICIAN.

NOTE:

THESE ARE STANDARD SYMBOLS AND GENERAL NOTES AND MAY NOT ALL APPEAR ON THE PROJECT DRAWINGS; HOWEVER WHEREVER THE SYMBOL APPEARS ON THE PROJECT DRAWINGS, THE ITEM SHALL BE PROVIDED AND INSTALLED.

DUCTWORK

	UP		DN	SUPPLY DUCT (UP & DOWN)
	UP		DN	EXHAUST DUCT (UP & DOWN)
	UP		DN	RETURN AIR DUCT (UP & DOWN)
				CEILING DIFFUSERS/GRILLES (DOUBLE LINE)
				CEILING DIFFUSERS/GRILLES (SINGLE LINE)
				SIDE WALL REGISTER OR GRILLE (DOUBLE LINE)
				SIDE WALL REGISTER OR GRILLE (SINGLE LINE)
				WIRE MESH SCREEN (DOUBLE LINE)
				WIRE MESH SCREEN (SINGLE LINE)
	10x8			NEW DUCT - WIDTH x DEPTH (DOUBLE LINE)
	10x8			NEW DUCT - WIDTH x DEPTH (SINGLE LINE)
				EXISTING DUCT TO REMAIN (DOUBLE LINE)
				EXISTING DUCT TO REMAIN (SINGLE LINE)
				EXISTING DUCT TO BE REMOVED (DOUBLE LINE)
				EXISTING DUCT TO BE REMOVED (SINGLE LINE)
				FLEXIBLE DUCTWORK (INSULATED)
				DUCT TRANSITION - CONCENTRIC (DOUBLE LINE)
				DUCT TRANSITION - CONCENTRIC (SINGLE LINE)
				DUCT TRANSITION - ECCENTRIC (DOUBLE LINE)
				DUCT TRANSITION - ECCENTRIC (SINGLE LINE)
				DUCT TRANSITION - RECT. TO RND (DOUBLE LINE)
				DUCT TRANSITION - RECT. TO RND (SINGLE LINE)
				MANUAL VOLUME DAMPER (DOUBLE LINE)
				MANUAL VOLUME DAMPER (SINGLE LINE)
				MOTOR OPERATED DAMPER
				BACK DRAFT DAMPER
				INCLINED RISE, IN DIRECTION OF AIR FLOW (DOUBLE LINE)
				INCLINED RISE, IN DIRECTION OF AIR FLOW (SINGLE LINE)
				INCLINED DROP, IN DIRECTION OF AIR FLOW (DOUBLE LINE)
				INCLINED DROP, IN DIRECTION OF AIR FLOW (SINGLE LINE)
				FLEXIBLE CONNECTION (DOUBLE LINE)
				FLEXIBLE CONNECTION (SINGLE LINE)
				FIRE DAMPER
				SMOKE DAMPER
				FIRE/SMOKE DAMPER
				SMOKE DETECTOR (DUCT MOUNTED)
				DUCT MOUNTED COIL/HEATER (DOUBLE LINE)
				DUCT MOUNTED COIL/HEATER (SINGLE LINE)
				VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH TURNING VANES EVEN IF SYMBOL IS MISSING)
				VANED RADIUS ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH TURNING VANES EVEN IF SYMBOL IS MISSING)
				ACOUSTICALLY LINED DUCT
				VANE TURN ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF (DOUBLE LINE)
				VANE TURN ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF (SINGLE LINE)
	100			AIR FLOW CFM
	6"			AIR DEVICE TYPE (EX = Existing)
	6"			AIR DEVICE NECK SIZE
				2-WAY AIR FLOW
				1-WAY AIR FLOW
				4-WAY AIR FLOW
				3-WAY AIR FLOW
				SUPPLY PLENUM
				CONTINUOUS LINEAR DIFFUSER.
				BLANK-OFF UNUSED PORTIONS
				RETURN HOOD/PLENUM
				TOTAL LENGTH OF LINEAR DIFFUSER

DRAWING SYMBOLS

	SECTION NUMBER
	DRAWING NUMBER WHERE DRAWN
	DRAWING NUMBER WHERE CUT
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	KEYED NOTES

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GROUP  
1700 Industrial Drive Suite B  
Boonville, MO 64606  
417.956.4400  
www.core-states.com

ENGINEER OF RECORD

STATE OF MISSOURI  
DAVID MCNAH  
PROFESSIONAL ENGINEER  
NUMBER  
PE-2013014214  
01/05/2020

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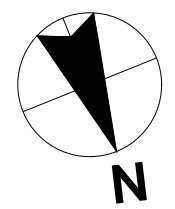
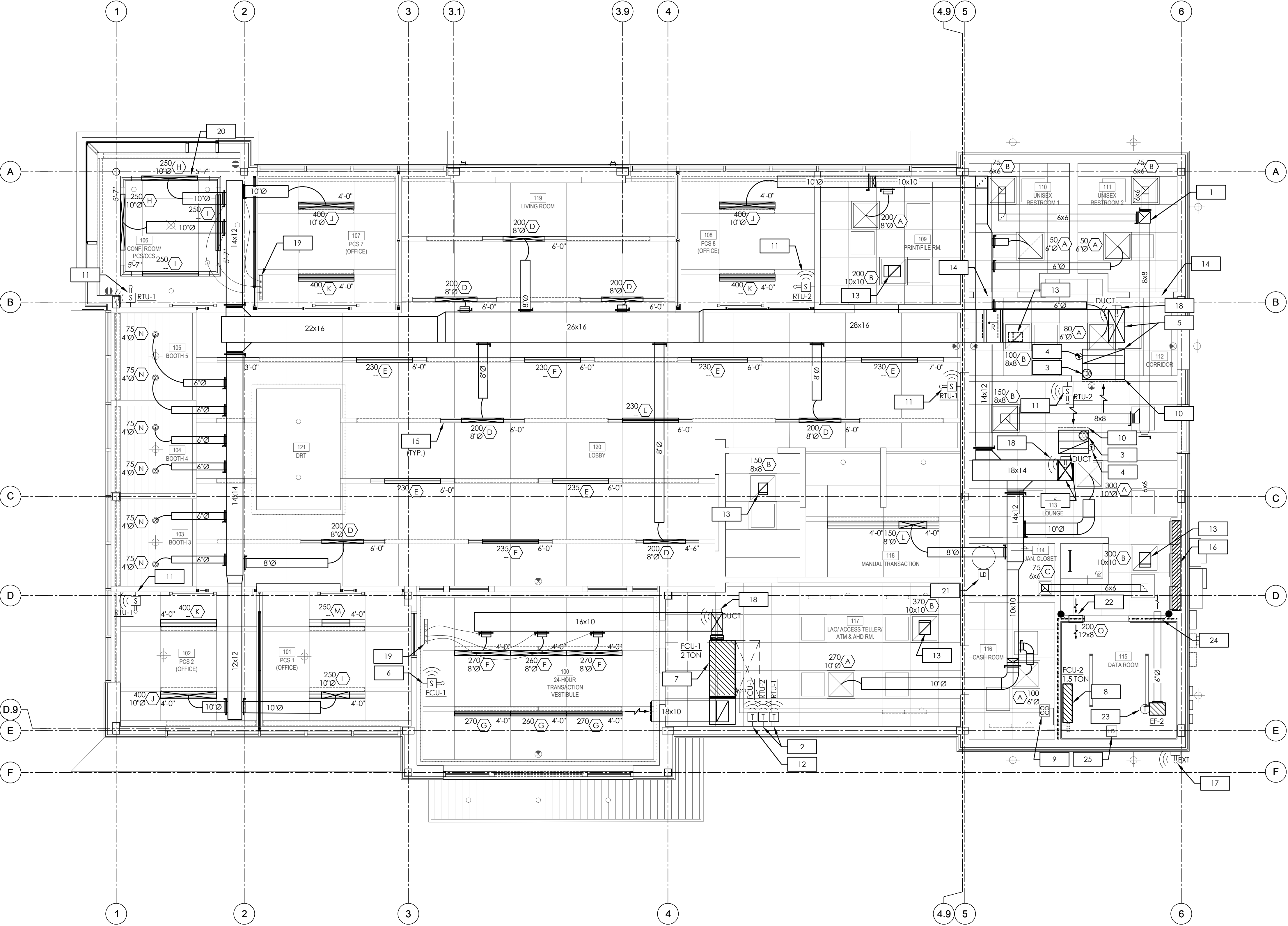
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DRAWN BY:	M.BATDORF
CHECKED BY:	S.VAZ
VERSION:	SE_1.00
SHEET TITLE	

MECHANICAL  
LEGENDS AND  
GENERAL NOTES

SHEET NUMBER

M0.0





MECHANICAL FLOOR PLAN

SCALE 1/4" = 1'-0"

1

- MECHANICAL NOTES:**
- CONTRACTOR TO PROVIDE AND INSTALL NEW 10x10 EXHAUST DUCT FROM UP THROUGH ROOF TO ROOF MOUNTED EXHAUST FAN. COORDINATE ROOF PENETRATION WITH BUILDING STRUCTURE.
  - CONTRACTOR TO INSTALL NEW STANDARD DAINTREE 5-WIRE W-L-FI COMMUNICATING THERMOSTAT. THERMOSTAT SHALL BE WIRED FOR CONTROL OF RTU'S WITH REMOTE SENSOR INPUT. MOUNT ON WALL 48" ABOVE FINISHED FLOOR AND COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. REFER TO HVAC CONTROLS TABLE ON SHEET M2.0 FOR ADDITIONAL INFORMATION.
  - PROVIDE DUCT MOUNTED CO2 SENSOR FOR ROOF TOP UNIT.
  - MOUNT NEW 120V DUCT MOUNTED SMOKE DETECTOR (FURNISHED AND WIRED BY DIV 26) IN MAIN RETURN AIR DUCT. DETECTORS SHALL BE INTERLOCKED BY ELECTRICAL CONTRACTOR TO SHUT DOWN ROOFTOP UNITS UPON DETECTION OF SMOKE.
  - SUPPLY AIR DUCT AND RETURN AIR DUCT UP THROUGH ROOF TO ROOF MOUNTED A/C UNIT (RTU). PROVIDE WITH FLEXIBLE DUCT CONNECTIONS. TRANSITION DUCTWORK TO FULL SIZE OF UNIT OPENING AS REQUIRED.
  - CONTRACTOR TO INSTALL STANDARD DAINTREE WIRELESS REMOTE TEMPERATURE SENSOR SERVING FCU-1. MOUNT ON WALL 60" ABOVE FINISHED FLOOR AND COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. REFER TO HVAC CONTROLS TABLE ON SHEET M2.0 FOR ADDITIONAL INFORMATION.
  - DUCTED FAN COIL UNIT (FCU-1) LOCATED JUST ABOVE LAO ROOM CEILING. SUSPEND UNIT FROM STRUCTURE AND INSTALL UNIT SUCH THAT ALL MAINTENANCE PANELS ARE IN AN ACCESSIBLE LOCATION. PROVIDE CONDENSATE PUMP, AUXILIARY DRAIN PAN, AND WATER LEVEL DETECTION DEVICE. SEE PLUMBING PLANS FOR CONDENSATE ROUTING.
  - WALL MOUNTED DUCTLESS FAN COIL UNIT (FCU-2). COORDINATE ACTUAL INSTALLATION LOCATION IN FIELD WITH OWNER. INSTALL CONDENSATE PUMP ON WALL ABOVE DROP CEILING AS CLOSE AS POSSIBLE TO FAN COIL. SEE PLUMBING DRAWINGS FOR CONDENSATE PIPE ROUTING.
  - REFRIGERANT SUCTION AND LIQUID LINES UP THROUGH ROOF TO REMOTE ROOF MOUNTED CONDENSING UNITS (CU-1 & 2). ROUTE LINES ABOVE ROOF AS STRAIGHT AS POSSIBLE. PROVIDE WITH MINIMUM 3/4" THICK INSULATION.
  - CONTRACTOR TO ROUTE FULL SIZE RETURN DUCT DOWN FROM ROOF TOP UNIT. PROVIDE RETURN DUCT WITH 1" LINER AND TERMINATE WITH A 90° ELBOW AND WIRE MESH SCREEN.
  - CONTRACTOR TO INSTALL STANDARD DAINTREE WIRELESS REMOTE AVERAGING TEMPERATURE SENSOR SERVING CORRESPONDING RTU. MOUNT ON WALL 60" ABOVE FINISHED FLOOR AND COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. REFER TO HVAC CONTROLS TABLE ON SHEET M2.0 FOR ADDITIONAL INFORMATION.
  - CONTRACTOR TO PROVIDE AND INSTALL NEW STANDARD DAINTREE 5-WIRE COMMUNICATING THERMOSTAT. THERMOSTAT SHALL BE WIRED FOR CONTROL OF FCU-1 AND INSTALLED IN THE LTO'S ROOM. MOUNT ON WALL 48" ABOVE FINISHED FLOOR. REFER TO HVAC CONTROLS TABLE ON M2.0 FOR ADDITIONAL INFORMATION.
  - CONTRACTOR TO PROVIDE AND INSTALL SOUND ATTENUATION BOOT ON RETURN GRILLE. REFER TO DETAIL ON SHEET M3.0 FOR MORE INFORMATION. DUCT SIZE SHALL MATCH SIZE INDICATED ON DIFFUSER TAG.
  - PROVIDE 1" DOOR UNDERCUT.
  - LINEAR SLOT FIXTURES SET IN 4" UTILITY CHANNEL ARE INTENDED TO HAVE A CONTINUOUS SEAMLESS APPEARANCE FOR THE FULL RUN OF THE CHANNEL WITHOUT VISUAL DIFFERENTIATION BETWEEN SUPPLY AIR, RETURN AIR, AND UNUSED PORTIONS OF THE RUN. TOTAL LENGTH OF LINEAR DIFFUSER IS INDICATED ON THE FLOOR PLAN. CONTRACTOR TO PROVIDE TITUS 4" FL 1-SLOT LINEAR DIFFUSER WITH A 1" SLOT WIDTH WITH FBFI SUPPLY AIR PLENUMS, FBFI RETURN HOODS, AND FBBO BLANK-OFFS AS REQUIRED. REFER TO SCHEDULE ON SHEET M2.0 FOR ADDITIONAL INFORMATION.
  - DEDICATED ELECTRICAL SPACE. THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT SIX FEET ABOVE THE EQUIPMENT OR TO THE STRUCTURE, WHICHEVER IS LOWER, SHALL BE DEDICATED TO ELECTRICAL EQUIPMENT. NO PIPING FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE PERMITTED WITHIN THIS ZONE.
  - CONTRACTOR TO INSTALL DAINTREE EXTERIOR WIRELESS TEMPERATURE SENSOR. MOUNT ON EXTERIOR WALL 10'-0" ABOVE GRADE.
  - CONTRACTOR TO INSTALL DAINTREE WIRELESS DUCT TEMPERATURE SENSOR IN SUPPLY DUCT.
  - CONTRACTOR TO PROVIDE AND INSTALL CABLE OPERATED DAMPER SIMILAR TO YOUNG REGULATOR MODEL 270-275 WITH 5020CC DAMPER. PROVIDE WITH BALANCING STATION IN ACCESSIBLE LOCATION ABOVE DROP CEILING.
  - LINEAR SLOT FIXTURES ARE INTENDED TO HAVE A CONTINUOUS SEAMLESS APPEARANCE FOR THE FULL RUN OF THE DIFFUSER WITHOUT VISUAL DIFFERENTIATION BETWEEN SUPPLY AIR, RETURN AIR, AND UNUSED PORTIONS OF THE RUN. PROVIDE OPTIONAL MITERED CORNERS. TOTAL LENGTH OF LINEAR DIFFUSER SECTIONS INDICATED ON PLAN. CONTRACTOR TO PROVIDE TITUS 4" FL 1-SLOT LINEAR DIFFUSER WITH A 1" SLOT WIDTH WITH FBFI SUPPLY AIR PLENUMS, FBFI RETURN HOODS, AND FBBO BLANK-OFFS AS REQUIRED. REFER TO SCHEDULE ON SHEET M2.0 FOR ADDITIONAL INFORMATION.
  - CONTRACTOR TO INSTALL LEAK DETECTOR IN DRAIN PAN OF WATER HEATER AND INTERLOCK WITH DAINTREE BMS.
  - CONTRACTOR TO PROVIDE RELIEF OPENING IN WALL AT 8" A.F.F. PROVIDE GREENHECK MODEL #FD-100 FIRE DAMPER WITH 8" LONG SLEEVE AND GRILLE TABS. ALIGN FIRE DAMPER IN SLEEVE WITH WALL. ALSO PROVIDE WITH GREENHECK MODEL #ES-32 BACKDRAFT DAMPER MOUNTED WITHIN THE FIRE DAMPER SLEEVE. COORDINATE PENETRATION WITH OTHER WALL MOUNTED EQUIPMENT.
  - CONTRACTOR TO PROVIDE LINE-VOLTAGE THERMOSTAT AND MOUNT DIRECTLY TO FAN HOUSING AND SET TO 85°F.
  - CONTRACTOR TO PROVIDE 6" DIAMETER FIRE DAMPER GREENHECK MODEL #FDR-510 IN WALL PENETRATION.
  - CONTRACTOR TO INSTALL DAINTREE LEAK DETECTOR ON THE FLOOR IMMEDIATELY ADJACENT TO THE DATA RACK AND WIRED TO A WALL MOUNTED DAINTREE WIRELESS ADAPTER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**

**JP MORGAN CHASE, N.A.**

**HWY 291 & NE LANGSFORD RD**

890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**

GROUP

1700 Industrial Drive Suite B  
Rogers, AR 72756  
479.959.4400  
www.core-states.com

CORESTATES, INC.

ENGINEER OF RECORD

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:		
PROTOTYPE:	20.2	
DRAWN BY:	M.BATDORF	
CHECKED BY:	S.VAZ	
VERSION:	SE.1.00	

SHEET TITLE		
MECHANICAL FLOOR PLAN		
SHEET NUMBER		

M1.0



MECHANICAL NOTES:

1.

MODULATING MOTORIZED OUTSIDE AIR DAMPER, DAMPER SHALL BE SET FOR OUTSIDE AIR QUANTITIES INDICATED IN VENTILATION SCHEDULE AND ROOFTOP A/C UNIT SCHEDULE ON M2.0.
2.

NEW ROOF MOUNTED A/C UNIT WITH MANUFACTURER'S ROOF CURB. FURNISH AND INSTALL TEMPERATURE CONTROL WIRING FROM THE UNIT TO THE THERMOSTAT OR OTHER CONTROL DEVICES. PRIOR TO TURNOVER ALL UNITS SHALL HAVE ALL FILTERS REPLACED, COILS CLEANED, AND CONDENSER FINS COMBED STRAIGHT.
3.

PROPOSED LOCATION FOR SPLIT A/C SYSTEM REMOTE ROOF MOUNTED CONDENSING UNITS AND REFRIGERATION SUPPORT SYSTEM. PROVIDE A/C SUPPORT STAND. REFER TO DETAIL ON SHEET M3.0 FOR MORE INFORMATION.
4.

1" CONDENSATE DRAIN LINE. ROUTE TO NEAREST PRIMARY ROOF DRAIN AND TERMINATE WITH A MINIMUM 2" AIR GAP.
5.

REFRIGERATION LIQUID AND SUCTION LINES FROM ROOF MOUNTED CONDENSING UNITS, DOWN THRU ROOF TO ASSOCIATED EVAPORATOR COIL. PROVIDE WITH PIPE PORTAL AND 3/4" INSULATION ON REFRIGERANT PIPING. ALL EXPOSED EXTERIOR PIPE INSULATION TO RECEIVE ULTRAVIOLET RESISTANT PVC JACKET.
6.

SUPPLY AND RETURN AIR DUCTWORK DOWN THROUGH ROOF. ROUTE THROUGH ROOF JOISTS TO ABOVE CEILING SPACE. COORDINATE PENETRATIONS WITH STRUCTURAL BUILDING CONDITIONS AND ALL OTHER TRADES, TRANSITION AS REQUIRED. SEE SHEET M1.0 FOR CONTINUATION. PROVIDE SUPPLY AND RETURN AIR DUCT MAINS WITH MINIMUM 1" THICK DUCT LINER FOR THE FIRST 10'-0" FROM UNIT.
7.

ROOF MOUNTED EXHAUST FAN EF-1. MAINTAIN A MINIMUM 10'-0" FROM ANY OUTSIDE AIR INTAKE OPENING. COORDINATE LOCATION WITH STRUCTURAL BUILDING CONDITIONS.

PIPE INSULATION

FINAL DESIGN OPERATING TEMPERATURE RANGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (INCH)		
	CONDUCTIVITY BTU in/(h ft2 x °F)	MEAN TEMP. RATING	<1	1-1 1/2	1 1/2 TO 4
40-60	0.21-0.27	75	0.5	0.5	1.0
<40	0.20-0.26	50	0.5	1.0	1.0

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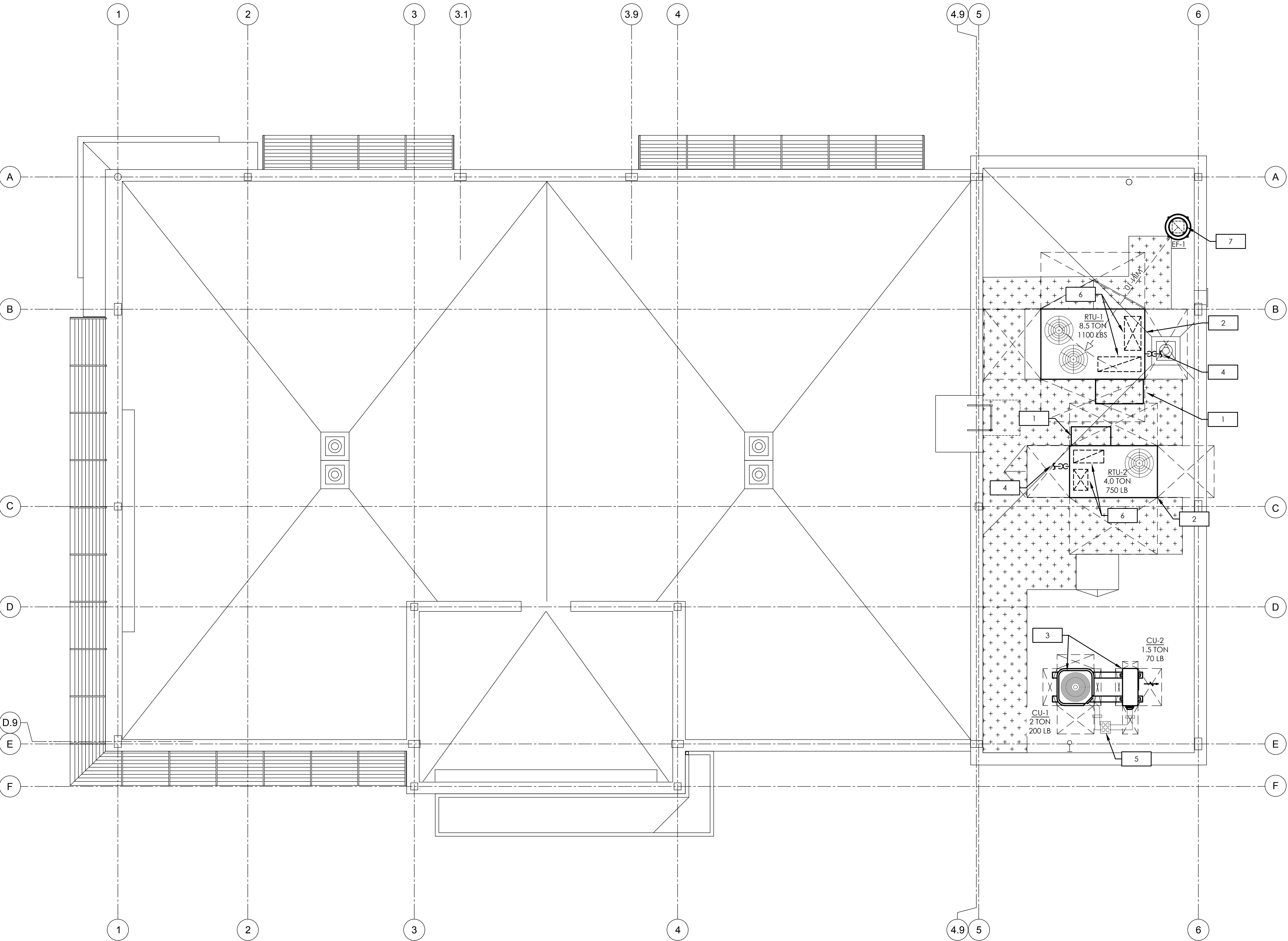
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SHEET TITLE

MECHANICAL  
ROOF PLAN

SHEET NUMBER

M1.1



MECHANICAL ROOF PLAN

SCALE  
1/4"=1'-0"

1



DIFFUSER, GRILLE, AND REGISTER SCHEDULE									
TAG	LOCATION	TYPE	MATERIAL	PATTERN	FACE SIZE	MANUFACTURER & MODEL NO.	GENERAL		REMARKS
A	CEILING	SUPPLY	ALUMINUM	4-WAY	24x24	TITUS OMNI-AA-NIT	LAY-IN W/ DAMPER		1,2,3,4,9
B	CEILING	RETURN/ EXHAUST	ALUMINUM	-	24x24	TITUS 330FL	LAY-IN, ORB AG-15		1,2,3,6
C	CEILING	EXHAUST	ALUMINUM	-	12x12	TITUS 330FL	DUCT MOUNTED		1,2,3,6
D	CEILING	SUPPLY	ALUMINUM	HIGH-THROW	4"W-36"L	TITUS FL-TZ-DF	36" LONG PLENUM ON 1-SLOT LINEAR DIFFUSER WITH 1" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,5,8,9,10
E	CEILING	RETURN	ALUMINUM	HIGH-THROW	4"W-48"L	TITUS FL-TZ-DF	48" LONG PLENUM/HOOD ON 1-SLOT LINEAR DIFFUSER WITH 1" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,7,8,10
F	CEILING	SUPPLY	ALUMINUM	JET-THROW	4"W-48"L	TITUS FL-10	48" LONG PLENUM ON 1-SLOT LINEAR DIFFUSER WITH 1" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,5,9,13
G	CEILING	RETURN	ALUMINUM	JET-THROW	4"W-48"L	TITUS FL-10	48" LONG PLENUM/HOOD ON 1-SLOT LINEAR DIFFUSER WITH 1" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,7,13
H	CEILING	SUPPLY	ALUMINUM	HIGH-THROW	4"W-48"L	TITUS FL-10	48" LONG PLENUM ON 1-SLOT LINEAR DIFFUSER WITH 1" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,5,9,10,11
I	CEILING	RETURN	ALUMINUM	HIGH-THROW	4"W-48"L	TITUS FL-10	48" LONG PLENUM/HOOD ON 1-SLOT LINEAR DIFFUSER WITH 1" SLOT WIDTH. SEE PLANS FOR TOTAL LENGTH.		1,2,3,7,10,11
J	CEILING	SUPPLY	ALUMINUM	HIGH-THROW	6"W-48"L	TITUS FL-25	48" LONG PLENUM ON 1-SLOT LINEAR DIFFUSER WITH 2.5" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,5,9,13
K	CEILING	RETURN	ALUMINUM	HIGH-THROW	6"W-48"L	TITUS FL-25	48" LONG PLENUM/HOOD ON 1-SLOT LINEAR DIFFUSER WITH 2.5" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,7,13
L	CEILING	SUPPLY	ALUMINUM	HIGH-THROW	6"W-24"L	TITUS FL-25	24" LONG PLENUM ON 1-SLOT LINEAR DIFFUSER WITH 2.5" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,5,9,13
M	CEILING	RETURN	ALUMINUM	HIGH-THROW	6"W-24"L	TITUS FL-25	24" LONG PLENUM/HOOD ON 1-SLOT LINEAR DIFFUSER WITH 2.5" SLOT WIDTH. SEE PLAN FOR TOTAL LENGTH.		1,2,3,7,13
N	CEILING	SUPPLY	ALUMINUM	-	4"DIA. OPENING	AIR CONCEPTS ANR-04	SURFACE MOUNT AIR NOZZLE DIFFUSER WITH CORE		1,2,3,9,12
O	WALL	TRANSFER	ALUMINUM	-	12"W-8"H	TITUS 330FL	WALL MOUNTED TRANSFER GRILLE		2,3
REMARKS: 1. COORDINATE WITH LIGHTS FOR EXACT LOCATIONS OF ALL AIR DEVICES. 2. COORDINATE FRAME STYLES WITH CEILING OR WALL SYSTEM. 3. N.C. VALUES FOR DIFFUSERS, GRILLES AND REGISTERS SHALL NOT EXCEED 30, WITH A ROOM ABSORPTION RATE OF 10dbs. 4. PROVIDE BACK SIDE OF SUPPLY AIR DEVICES WITH FACTORY INSTALLED R-6 INSULATION BLANKET. 5. PROVIDE WITH TITUS INSULATED PLENUM, MODEL NO. FBPI, FOR LINEAR SUPPLY DIFFUSERS. 6. ALL LAY-IN RETURN GRILLES SHALL BE FULL-FACE AND PROVIDED WITH MAXIMUM NECK SIZE. CONTRACTOR TO THEN TRANSITION MAXIMUM NECK SIZE TO RETURN DUCT SIZE INDICATED ON PLANS. 7. PROVIDE WITH TITUS INSULATED RETURN HOOD/LIGHT SHIELD MODEL NO. FBRI ON ENTIRE LENGTH OF DIFFUSER. 8. PROVIDE WITH DF BORDER AND HANGER CLIPS. 9. PROVIDE DAMPER AT TAKE-OFF TO DEVICE 10. PROVIDE WITH TITUS STRAIGHT END BOARDER AND TITUS END CAPS AT THE END OF ALL RUNS. 11. PROVIDE WITH BORDER TYPE 66 AND ASSOCIATED WC4, SS1, UHC CLIPS, AND MITERED CORNERS. 12. PROVIDE WITH COUNTER SUNK SCREW HOLES. 13. PROVIDE WITH BORDER TYPE 16 WITH SC1 AND UHC HANGER CLIPS.									

DESIGN SUMMER CONDITIONS: 93.6°F D.B. / 74.3°F W.B. DESIGN WINTER CONDITIONS: 12.3°F D.B.										ROOF TOP AIR CONDITIONING UNITS														
TAG	SERVICE	TYPE	CFM	TONS	COOLING CAPACITY		HEATING CAPACITY		HEATING EFFICIENCY (%)	OUTDOOR AIR (CFM)	ESP. (IN W.C.)	IFM TYPE	ELECTRICAL					WEIGHT (LBS)	HEIGHT (IN)	CARRIER MODEL	AHHI RATING (EER/SEER/IEER)	REF/ CHARGE	REMARKS	
					TOTAL (MBH)	SENSIBLE (MBH)	INPUT (MBH)	OUTPUT (MBH)					V.	Ø	Hz	MCA	MOCF							
RTU-1	SEE PLANS	ROOF TOP	3,400	8.5	103.6	81.0	224	184	82	360	1.5	HIGH	208	3	60	50	60	1,323	49-3/8"	48HCFD09	12.0/113.8	R-410A/ 15 LB - 2 OZ (2)	1-13	
RTU-2	SEE PLANS	ROOF TOP	1,600	4.0	50.0	37.1	150	120	80	170	1.0	MED	208	3	60	30	40	860	33-3/8"	48GCRN05	12.0/116.0/-	R-410A/ 14 LB - 8 OZ	1-13	
REMARKS																								
1. PROVIDE WITH 14" TALL ROOF CURB.																								
2. PROVIDE WITH ELECTROMECHANICAL CONTROLS. DAINTREE TO PROVIDE WI-FI COMMUNICATING THERMOSTATS AND ASSOCIATED SENSORS.																								
3. PROVIDE THRU-THE-BASE SINGLE POINT POWER CONNECTION WITH FACTORY MOUNTED STARTER. DISCONNECT TO BE PROVIDED BY DIVISION 26.																								
4. PROVIDE FACTORY-INSTALLED POWERED CONVENIENCE OUTLET.																								
5. PROVIDE DUCT MOUNTED CO2 SENSORS AS INDICATED ON PLAN.																								
6. PROVIDE 5-YEAR COMPRESSOR AND HEAT EXCHANGER WARRANTY.																								
7. UNIT SHALL BE UL TESTED AND CERTIFIED IN ACCORDANCE WITH ANSI Z21.47.																								
8. PROVIDE FILTERS THAT BEAR THE LABEL OF AN APPROVED AGENCY.																								
9. PROVIDE CONDENSATE PIPE DRAIN PER MANUFACTURER'S RECOMMENDATIONS.																								
10. PROVIDE CONDENSER COIL HAIL GUARD GRILLE.																								
11. PROVIDE WATER-LEVEL MONITORING DEVICE (FLOAT SWITCH). DEVICE SHALL BE INSTALLED INSIDE THE PRIMARY DRAIN PAN AND SHALL BE INTERLOCKED TO SHUT DOWN UNIT. EXTERNALLY INSTALLED DEVICES AND DEVICES INSTALLED IN THE DRAIN LINE SHALL NOT BE PERMITTED.																								
12. PROVIDE WITH STANDARD TEMPERATURE LOW LEAK ECONOMIZER WITH BAROMETRIC RELIEF. ECONOMIZER CONTROLLER SHALL HAVE ON-BOARD FAULT DETECTION AND DIAGNOSTIC CAPABILITY.																								
13. PROVIDE EQUIPMENT MANUFACTURERS START-UP SERVICE.																								
CARRIER NATIONAL ACCOUNT NOTE:  JPMC HAS A CARRIER CORPORATION NATIONAL ACCOUNT. CONTACT CARRIER NATIONAL ACCOUNTS 315.432.7434 FOR QUOTATION AND TO ARRANGE PURCHASE AND DELIVERY.																								

FAN COIL UNIT SCHEDULE

TAG	SERVICE	LOCATION	SUPPLY AIR (CFM)	ESP (IN. W.C.)	COOLING COIL		HEATING COIL	ELECTRICAL					WEIGHT (LBS)	MANUF. - MODEL	REMARKS
					TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	CAPACITY (KW)	V.	Ø	Hz	MCA	MOCF			
FCU-1	VESTIBULE	CEILING	800	0.35	24.0	14.0	5.0	208	1	60	26	30	122	CARRIER - FX4DNF025	1,2,3,5,7,8,9
FCU-2	DATA ROOM	WALL	500	-	18.0	13.2	-	208	1	60	-	-	32	CARRIER - 40MHC18	1,2,3,4,5,6,7
REMARKS:															
1. PROVIDE THERMAL OVERLOAD PROTECTION.															
2. PROVIDE LIQUID LINE SPECIALTIES INCLUDING FILTER DRIER, SIGHT GLASS, TXV, SOLENOID VALVE, IF NOT FACTORY-INSTALLED.															
3. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.															
4. UNIT TO BE CONTROLLED VIA DAINTREE THERMOSTAT AND ASSOCIATED TEMPERATURE SENSOR. PROVIDE WITH 24V INTERFACE KIT FOR DAINTREE INTEGRATION.															
5. PROVIDE REFRIGERANT PIPING SIZED PER MANUFACTURER'S RECOMMENDATIONS. "ACR" COPPER ONLY.															
6. INDOOR UNIT ELECTRICALLY FED FROM OUTDOOR UNIT.															
7. PROVIDE WITH CONDENSATE PUMP.															
8. FAN COIL UNIT TO BE INTERLOCKED WITH BUILDING MANAGEMENT SYSTEM (BMS) BY DAINTREE. FAN COIL UNIT TO BE CONNECTED TO DAINTREE THERMOSTAT.															
9. PROVIDE WATER-LEVEL MONITORING DEVICE (FLOAT SWITCH). DEVICE SHALL BE INSTALLED INSIDE THE PRIMARY DRAIN PAN AND MOUNT IN AUXILIARY DRAIN PORT. DEVICE SHALL BE INTERLOCKED TO SHUT DOWN THE UNIT. EXTERNALLY INSTALLED DEVICES AND DEVICES INSTALLED IN THE DRAIN LINE ARE NOT PERMITTED.															

FAN SCHEDULE													
TAG	SERVICE	LOCATION	CFM	MANUF. - MODEL	ESP (W.C)	DRIVE	TYPE	ELECTRICAL				Weight (LBS)	REMARKS
								HP	V.	Ø	Hz		
EF-1	EXHAUST	ROOF	375	GREENHECK- G-090-VG	0.375	DIRECT	CENT.	1/10	115	1	60	22	1-4
EF-2	EXHAUST	DATA ROOM	200	GREENHECK- SP-8200	0.15	DIRECT	CENT.	1/4	115	1	60	17	2,5,6,7
REMARKS: 1. PROVIDE WITH THE FOLLOWING: A. BD-100 GRAVITY BACKDRAFT DAMPER B. NEMA 1 DISCONNECT SWITCH MOUNTED ON SUPPORT PAN WITHIN FAN HOUSING. C. 12" ROOF CURB 2. PROVIDE WITH THERMAL OVERLOAD PROTECTION 3. PROVIDE VARIABLE SPEED CONTROLLER FOR ALL DIRECT DRIVE FANS. T & B CONTRACTOR SHALL MARK BALANCED POSITION ON CONTROLLER. 4. FOR EXHAUST FAN CONTROL, PROVIDE 4-WAY CONTROL CIRCUIT BY ONE OCCUPANCY SENSOR IN EACH RESTROOM, ONE OCCUPANCY SENSOR IN THE JANITORS CLOSET, AND ONE TIMER IN THE LOUNGE. REFER TO ELECTRICAL DRAWINGS FOR EXHAUST FAN CONTROL DIAGRAM. 5. PROVIDE WITH LINE VOLTAGE THERMOSTAT AND ATTACH DIRECTLY TO THE FAN HOUSING. SET TO 85°F. 6. PROVIDE WITH INTEGRAL BACKDRAFT DAMPER. 7. PROVIDE WITH VIBRATION ISOLATION KIT AND MOUNTING BRACKETS.													

CONDENSING UNIT SCHEDULE												
TAG	SERVICE	LOCATION	COOLING CAPACITY (TONS)	MANUF. - MODEL	ELECTRICAL					WEIGHT (LBS)	AHRI RATING (EER/SEER)	REMARKS
					V.	Ø	Hz	MCA	MOCF			
CU-1	FCU-1	ROOF	2.0	CARRIER - 24ABC624A003	208	1	60	17	30	200	13.0/16.0	1,2
CU-2	FCU-2	ROOF	1.5	CARRIER- 38MHRCI8A	208	1	60	15	20	70	10.5/17.0	1,2
REMARKS: 1. PROVIDE THERMAL OVERLOAD PROTECTION. 2. PROVIDE LIQUID LINE SPECIALTIES INCLUDING FILTER DRIER, SIGHT GLASS, TXV, SOLENOID VALVE, IF NOT FACTORY-INSTALLED.												

VENTILATION AIR SCHEDULE										
ZONE	ROOM	OCCUPANCY	AREA [SQ. FT.]	NUMBER OF OCCUPANTS	PEOPLE OUTDOOR AIRFLOW RATE (CFM/ OCC.)	AREA OUTDOOR AIRFLOW RATE (CFM/SQ. FT.)	REQUIRED OUTDOOR AIRFLOW RATE (CFM)	PROVIDED OUTSIDE AIRFLOW RATE (CFM)	SYSTEM OUTDOOR AIRFLOW RATE (CFM)	PROVIDED EXHAUST AIRFLOW RATE (CFM)
RTU-1	120 LOBBY/ 119 LIVING ROOM	LOBBIES	877	9	5	0.06	122	125	360	-
	121 DRT	LOBBIES	222	0	5	0.06	17	20		-
	101 PCS 1	OFFICE SPACE	103	3	5	0.06	26	30		
	102 PCS 2	OFFICE SPACE	94	3	5	0.06	26	30		
	103 BOOTH	OFFICE SPACE	38	3	5	0.06	22	25		-
	104 BOOTH	OFFICE SPACE	38	3	5	0.06	22	25		-
	105 BOOTH	OFFICE SPACE	38	3	5	0.06	22	25		-
	106 CONFERENCE	OFFICE SPACE	118	6	5	0.06	46	50		-
	107 PCS 7	OFFICE SPACE	93	3	5	0.06	26	30		-
RTU-2	108 PCS 8	OFFICE SPACE	90	3	5	0.06	26	30	170	-
	109 PRINT/FILE	OFFICE SPACE	94	0	5	0.06	7	10		-
	110 UNISEX	TOILET ROOM	65	1	0	0	0	0		75
	111 UNISEX	TOILET ROOM	65	1	0	0	0	0		75
	112 CORRIDOR	CORRIDOR	88	0	5	0.06	7	10		-
	113 LOUNGE	OFFICE SPACE	218	5	5	0.06	48	50		150
	114 JANITOR CLOSET	UNOCCUPIED SPACE	27	0	0	0	0	0		75
	116 CASH	OFFICE SPACE	56	1	5	0.06	10	15		
	117 LTOS	OFFICE SPACE	280	1	5	0.06	27	30		
FCU-1	100 TRANSACTION VESTIBULE	UNOCCUPIED SPACE	192	0	0	0	0	0	-	-
	115 DATA ROOM	UNOCCUPIED SPACE	67	0	0	0	0	0	-	-
TOTALS							472	530	530	375

## DAINTREE HVAC CONTROLS

ENTIRE MECHANICAL SYSTEM SHALL BE INTERLOCKED WITH BUILDING MANAGEMENT SYSTEM (BMS) BY DAINTREE. CONTRACTOR TO INSTALL WIRELESS TEMPERATURE SENSORS SERVING CORRESPONDING UNITS IN LOCATIONS SHOWN ON PLANS. CONTRACTOR TO INSTALL THERMOSTATS SERVING CORRESPONDING UNITS IN LOCATIONS SHOWN ON PLANS. CONTRACTOR TO ROUTE ALL LOW VOLTAGE WIRING FROM THERMOSTAT TO CORRESPONDING MECHANICAL UNIT.

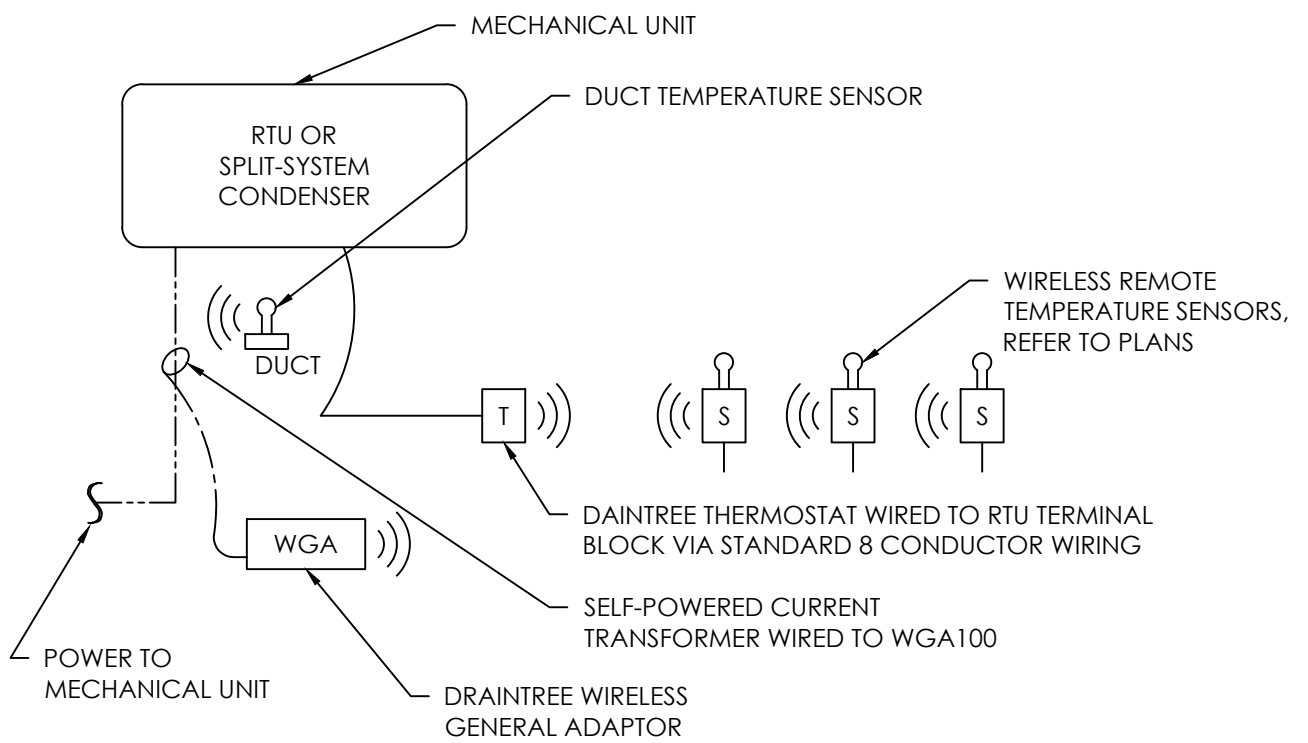
ELECTRIC CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND PROCUREMENT OF ALL DAINTREE COMPONENTS FOR A COMPLETE BMS. MECHANICAL CONTRACTOR TO COORDINATE ALL REQUIRED COMPONENTS AND PARTS WITH ELECTRICAL CONTRACTOR PRIOR TO PROCUREMENT TO ENSURE ONLY ONE ORDER IS PLACED.

- GENERAL NOTES:
- ALL WIRELESS ADAPTERS MUST BE PROVIDED WITH UNINTERRUPTED/UNSWITCH POWER. #WSA10 WIRE SENSOR ADAPTERS REQUIRE 24V POWER.
  - DURING INSTALLATION THE LAST 4 DIGITS OF THE IEEE ADDRESS FOR EACH WIRELESS COMPONENT MUST BE RECORDED ON THE SHOP DRAWING SET CORRESPONDING TO THE LOCATION OF THE COMPONENT.
  - FOR ANY SENSORS ATTACHED TO A WIRELESS SENSOR ADAPTER (#WSA10) THE LAST 4 DIGITS OF THE IEEE ADDRESS FOR THE RESPECTIVE #WSA10 MUST BE RECORDED. THE SPECIFIC #WSA10 PORT ALSO BE RECORDED PER SENSOR.
  - DURING WIRELESS ADAPTER INSTALLATION, FOLLOW THESE STEPS AS DEFINED IN THE DEVICE INSTALLATION GUIDE IN THE FOLLOWING ORDER:
    - CONFIRM WIRELESS ADAPTER DIP SWITCHES ARE SET CORRECTLY.
    - RESET ADAPTER (ALL ADAPTERS)
    - PERFORM PROPER TEST SUITE
  - INSTALLER MUST BECOME FAMILIAR WITH THE PUBLISHED INSTALLATION GUIDES FOR THE PRODUCTS IN THE PROJECT SCOPE.
  - ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROCUREMENT AND INSTALL OF DAINTREE AND RELATED COMPONENTS PERTAINING TO IT/DATA, LIGHTING, POWER AND HVAC.

CONTROL SCOPE COMMISSIONING:

- CONTRACTOR IS RESPONSIBLE FOR CORRECT WIRING, TESTING, AND DOCUMENTATION OF ALL IEEE DEVICE ADDRESSES IN A FORMAT REQUIRED BY THE CONTROLS SUPPLIER.
- CONTRACTOR TO RESPONSIBLE FOR COORDINATING EFFORTS WITH THE CONTROLS PROVIDER TO SATISFY THE CONSTRUCTION TIMELINE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIELD LABOR ASSISTANCE TO FACILITATE THE COMMISSIONING EFFORT, INCLUDING BUT NOT LIMITED TO REPAIRING INCORRECT WIRING, LOCATING DEVICES WHERE THE ADDRESSES WERE NOT DOCUMENTED OR NOT LOCATED PROPERLY, AND RESETTNG DEVICES.

TYPICAL MECHANICAL EQUIPMENT BMS SCHEMATIC - SINGLE ZONE  
(REFER TO MECHANICAL UNIT SCHEDULES FOR ADDITIONAL INFORMATION)



RELEASE FOR  
CONSTRUCTION  
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LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P36899

**CORE STATES**  
GROUP  
1700 Industrial Drive Suite B  
Rogers, AR 72756  
479.956.4400  
www.core-states.com  
CORESTATES, INC.

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DRAWN BY:	M.BATDORF
CHECKED BY:	S.VAZ
VERSION:	SE 1.00

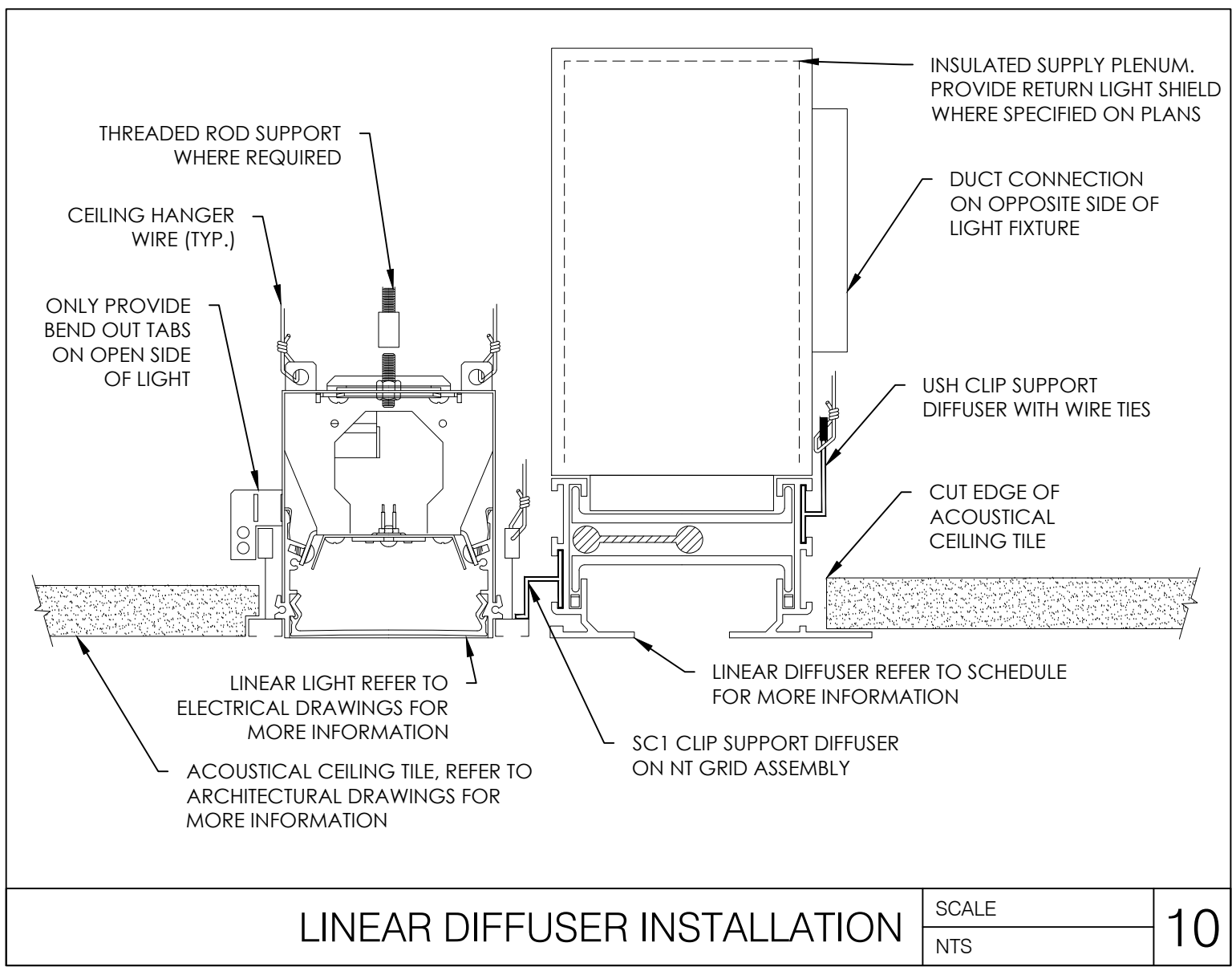
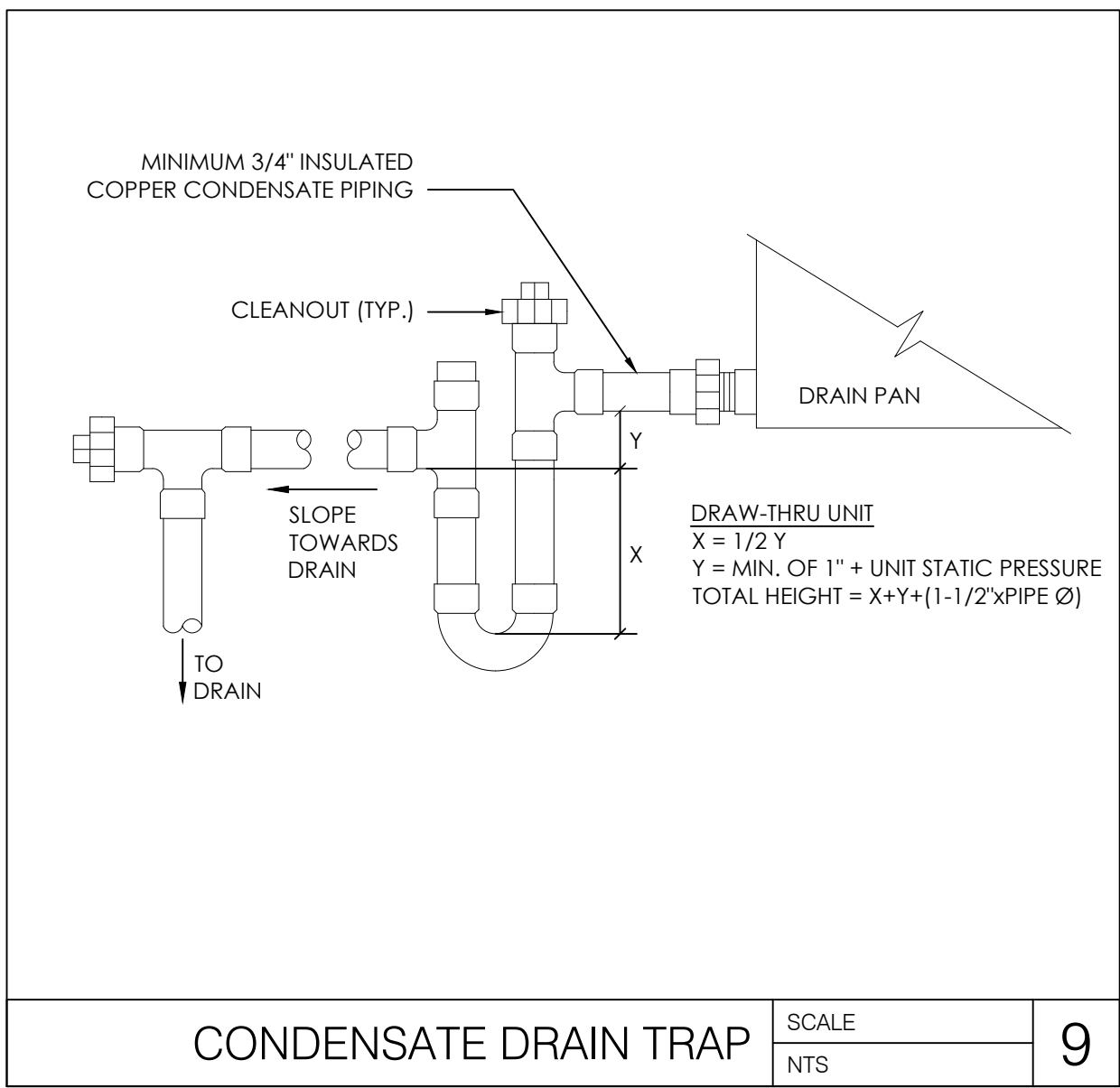
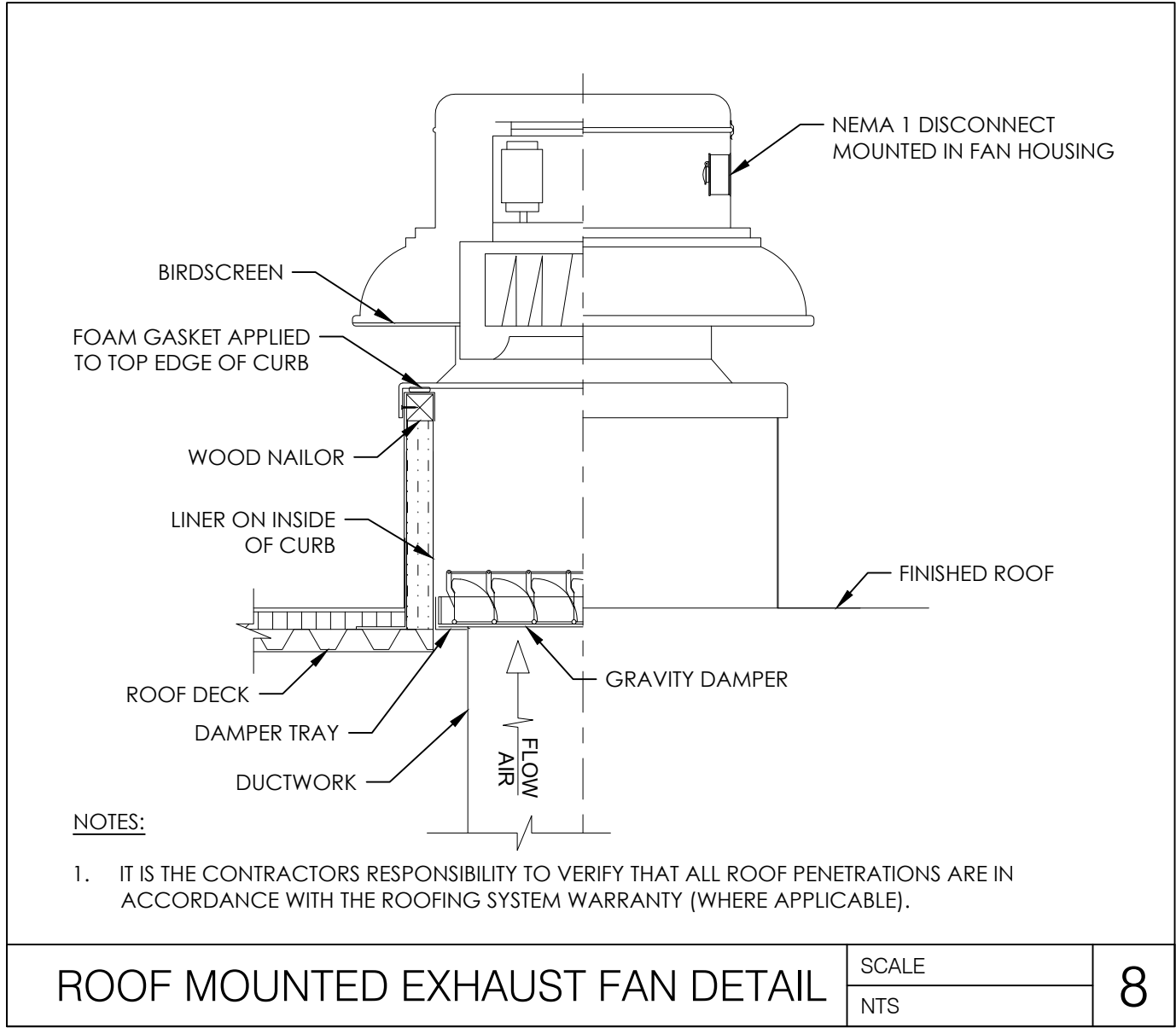
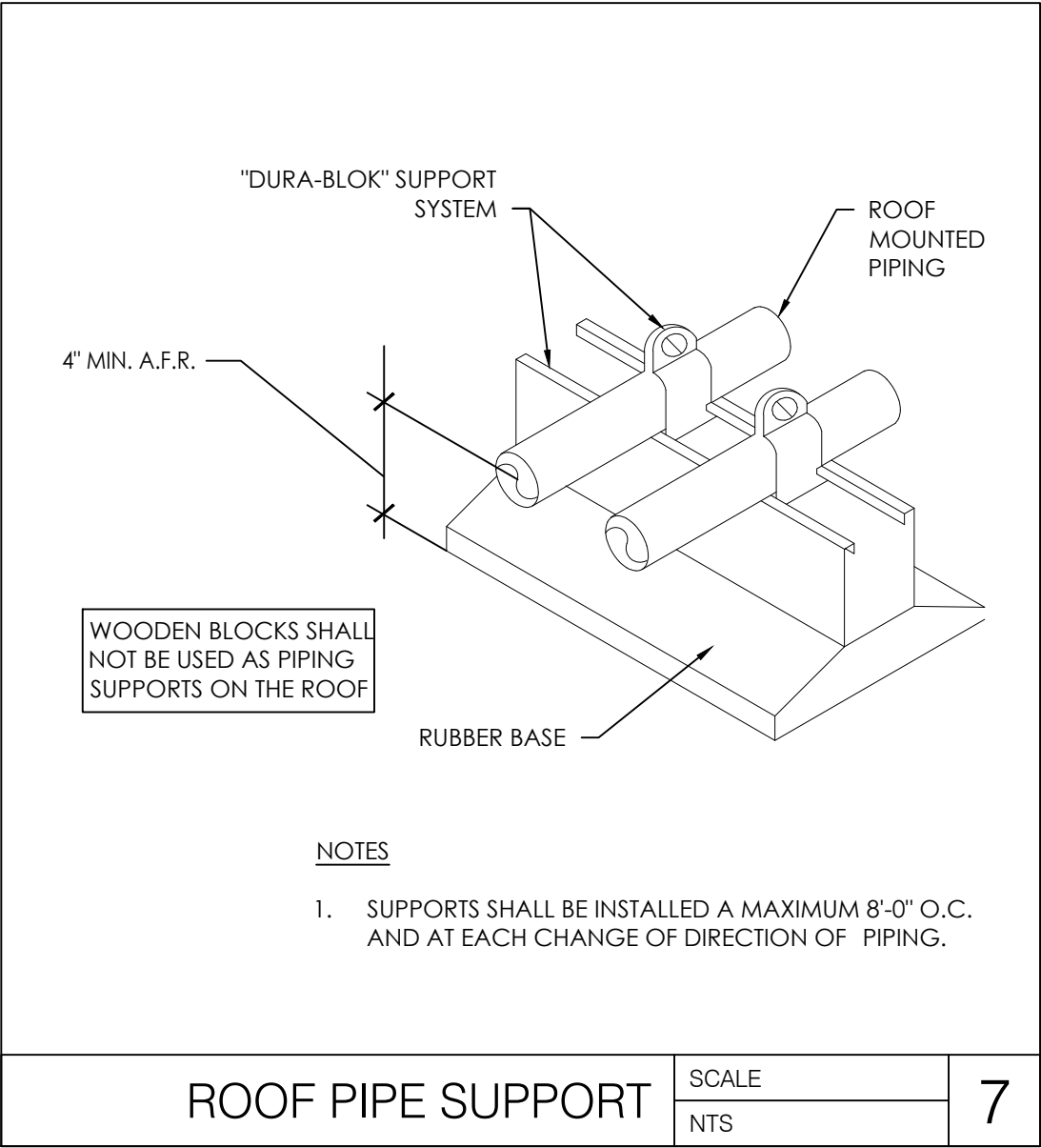
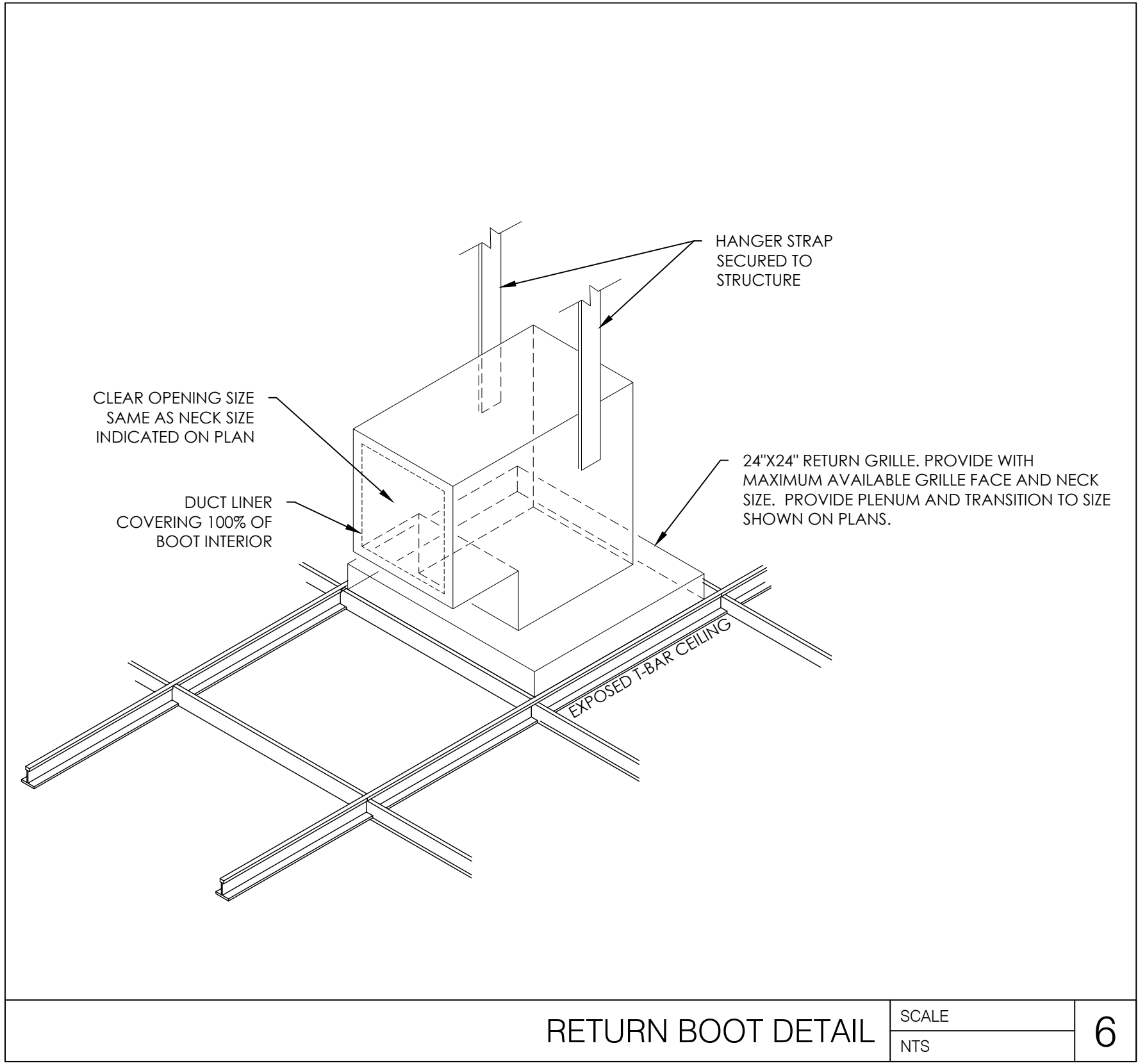
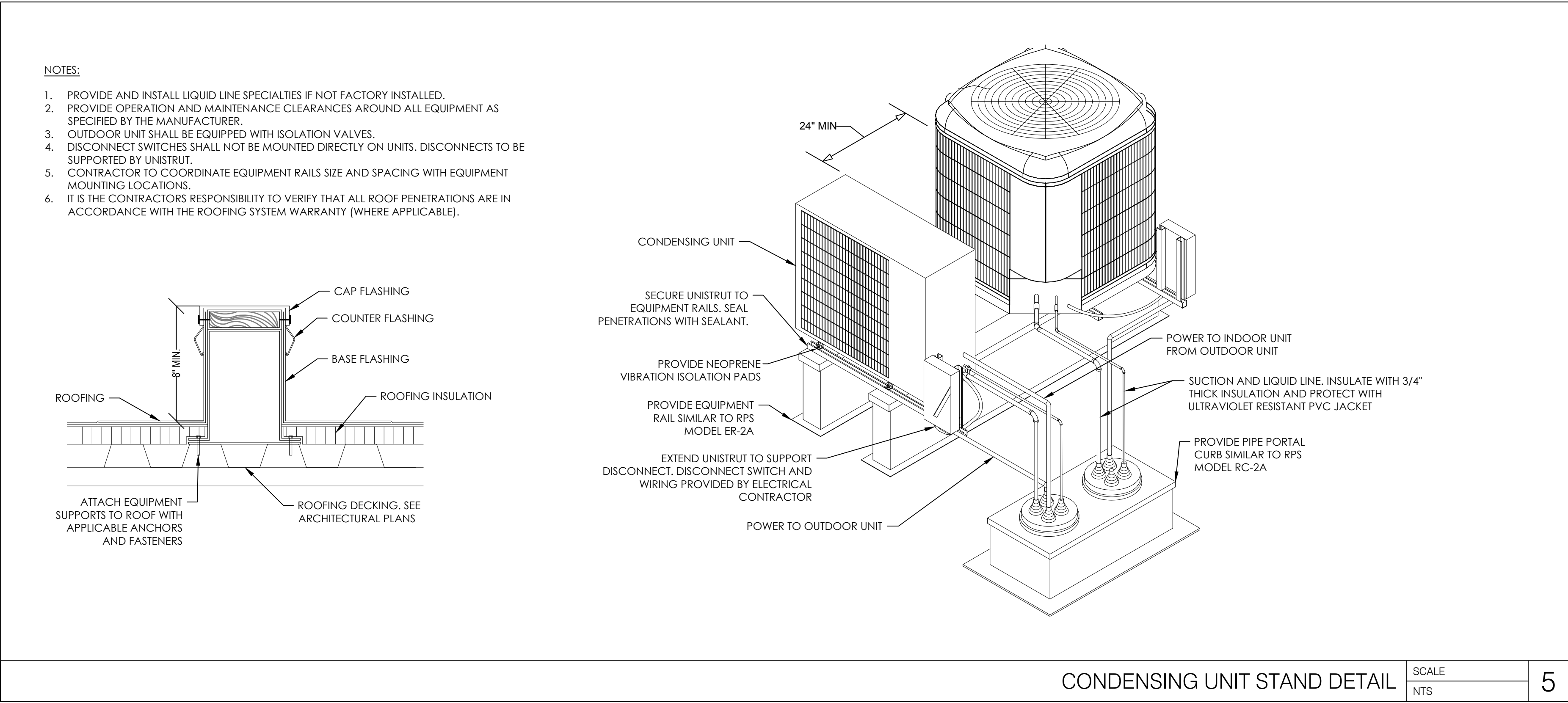
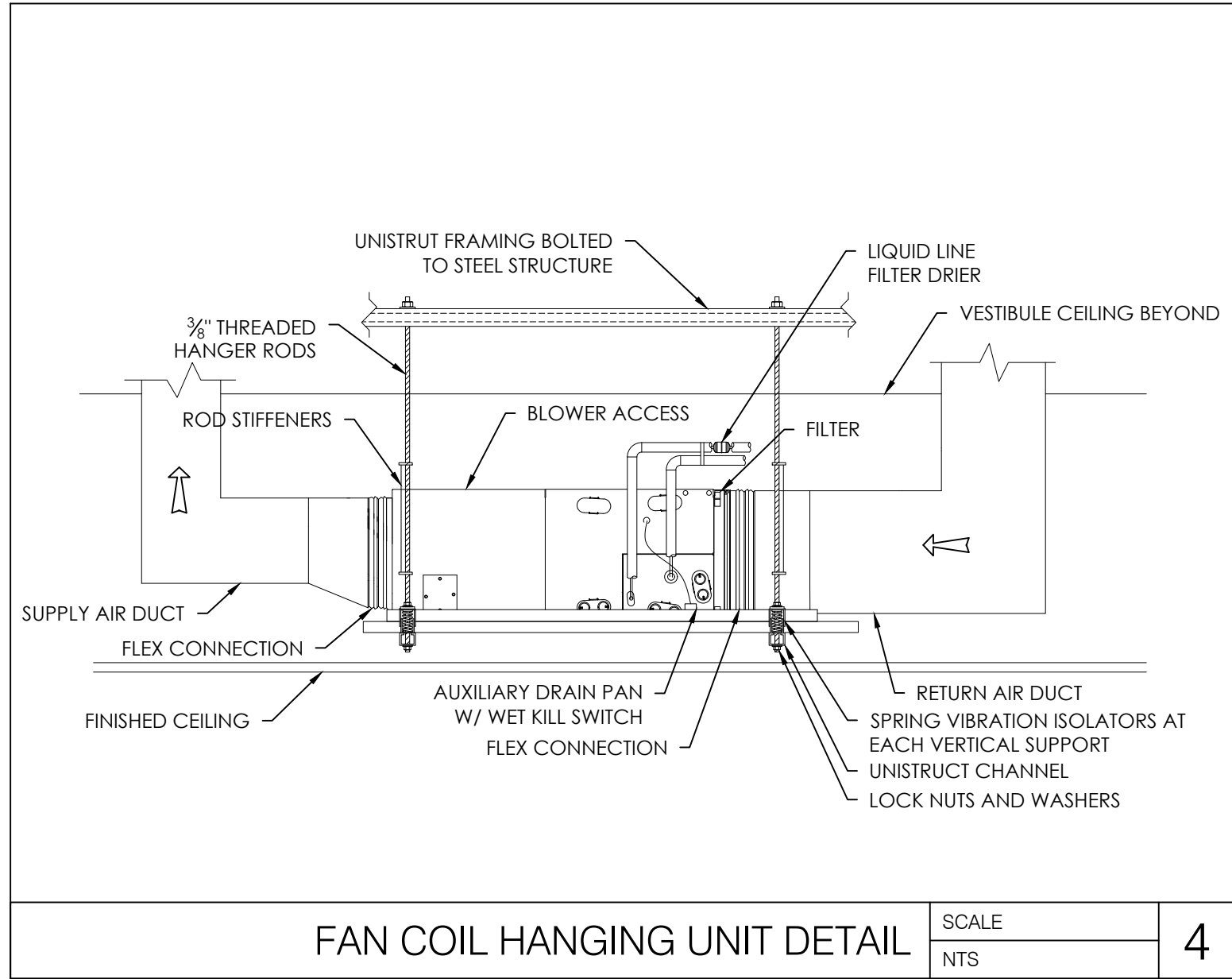
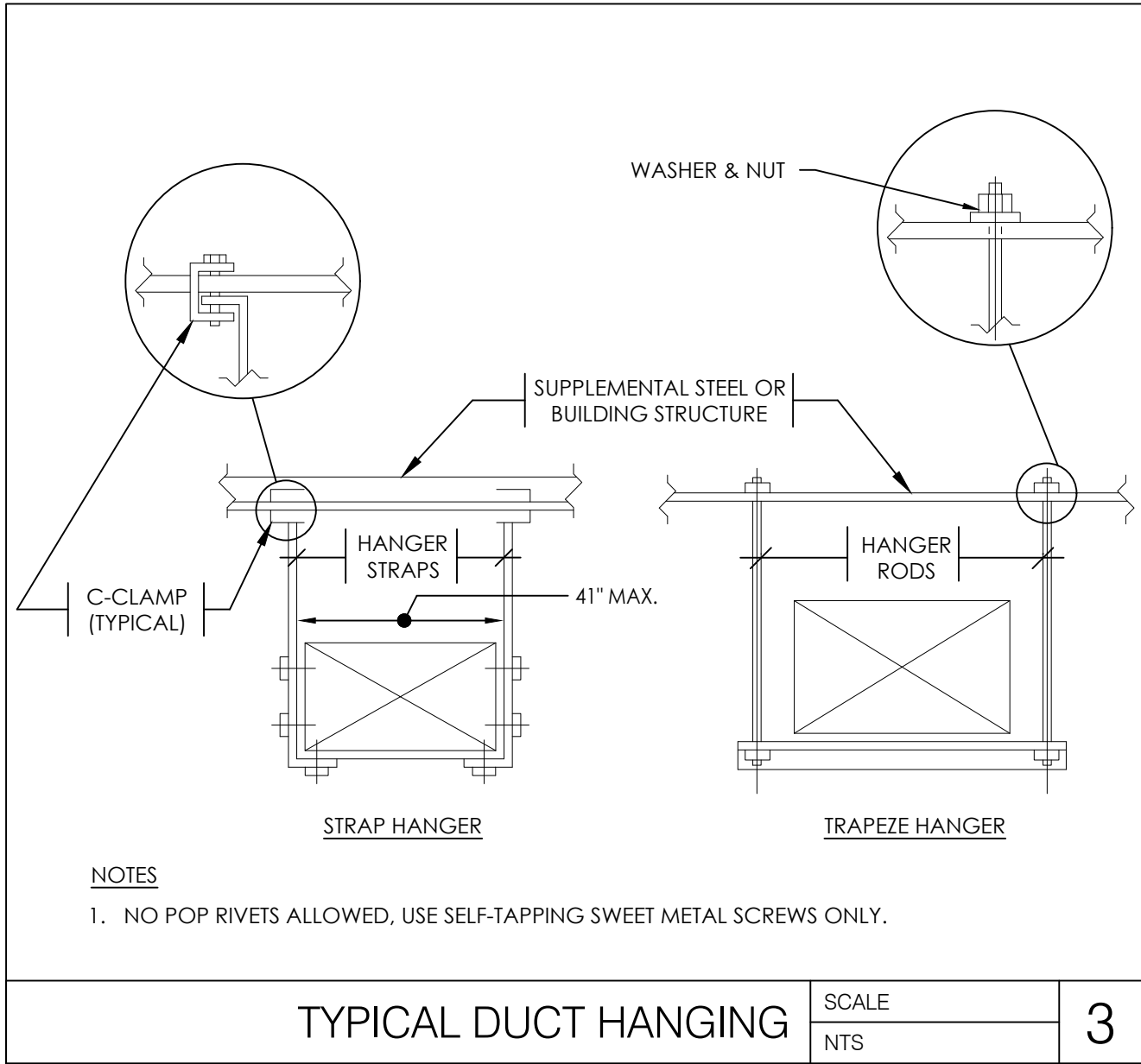
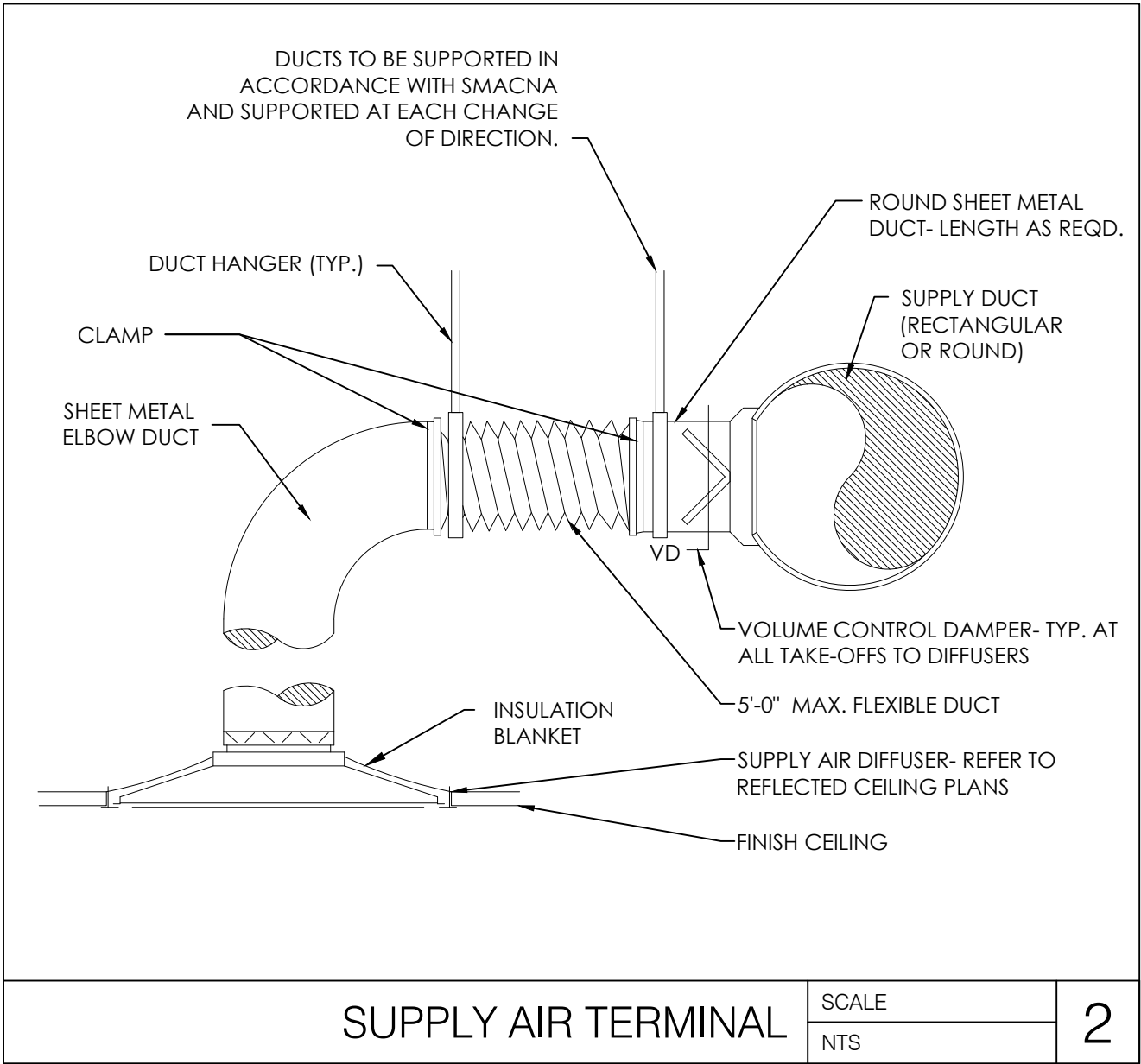
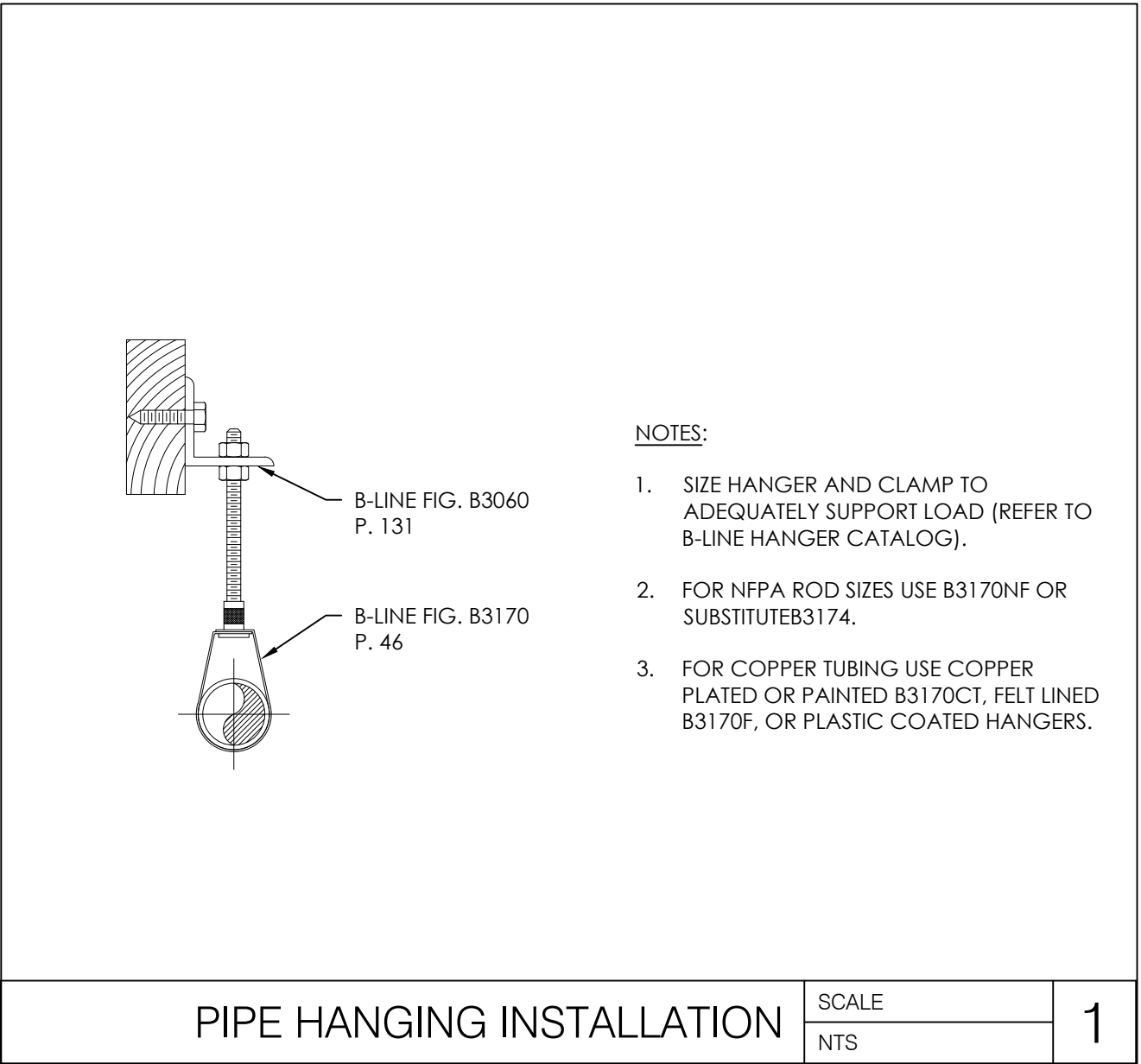
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MECHANICAL  
SCHEDULES

SHEET NUMBER

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MECHANICAL  
DETAILS

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PLUMBING FIXTURE SCHEDULE:

MARK	ITEM: DESCRIPTION	COLD WATER	HOT WATER	WASTE	VENT
P-1	WATER CLOSET (PF-WC): KOHLER HIGHLINE MODEL# K-3519 OR 3519-RA TWO-PIECE FLOOR MOUNTED VITREOUS CHINA TOILET WITH ELONGATED BOWL, PRESSURE ASSISTED 1.0 GPF FLUSH, AND POLISHED CHROME TRIP LEVER. CONTRACTOR TO COORDINATE MODEL NUMBER TO POSITION FLUSH LEVER ON ADA ACCESSIBLE SIDE OF THE WATER CLOSET; SEAT: KOHLER MODEL #K-4670-CA SOLID ELONGATED PLASTIC OPEN FRONT LESS COVER; SUPPLIES: 3/8" X 12" CHROME PLATED FLEXIBLE SUPPLY WITH LOOSE KEY STOP.	1/2"	-	4"	2"
P-2	LAVATORY (PF-LAV): AMERICAN STANDARD LUCERNE MODEL# 0356.137 OR 0356.115 WALL MOUNTED 20-1/2" X 18-1/4" VITREOUS CHINA SINK WITH FRONT OVERFLOW, SELF DRAINING DECK, FAUCET LEDGE, AND HOLES FOR CONCEALED ARM SUPPORT. CONTRACTOR TO COORDINATE MODEL NUMBER TO POSITION EXTRA SOAP DISPENSER HOLE ON THE ADJACENT WALL-SIDE OF THE LAVATORY; FAUCET: OPTIMA# EAF-200-PLG-ISM-CP WITH PLUG ADAPTER POWER SUPPLY, INTEGRATED SIDE MIXER, POLISHED CHROME FINISH, .5 GPM AERATED SPRAY, AND INFRARED SENSOR; STRAINER: AMERICAN STANDARD 241.1.015 1-1/4" POLISHED CHROME GRID DRAIN AND TAILPIECE; P-TRAP: 1-1/4" X 12" CHROME PLATED 17 GAUGE W/TAILPIECE AND CLEANOUT SUPPLIES: 3/8" X 12" CHROME PLATED FLEXIBLE SUPPLIES WITH LOOSE KEY STOPS; CARRIER: WATTS MODEL# TCA-411-D BACK TO BACK FLOOR MOUNTED CONCEALED LAVATORY CARRIER; PIPE COVERS: LAV GUARD MODEL# 102 E-Z WASTE AND SUPPLY COVERS; THERMOSTATIC MIXING VALVE (TMV): SYMMONS MODEL# 7-210-CK MOUNTED BELOW LAVATORY AND SET FOR A MAXIMUM MIXED TEMP OF 105°F.	1/2"	1/2"	2"	1-1/2"
P-3	LOUNGE SINK (PF-SINK): ELKAY MODEL# LRAD202255-MR2 SINGLE COMPARTMENT 19-1/2" X 22" X 5-1/2" DEEP 18 GAUGE STAINLESS STEEL; FAUCET: ELKAY MODEL# LK3000CR DECK MOUNTED FAUCET WITH REMOTE LEVER HANDLE, 8" SPOUT REACH, 2.2 GPM REGULATOR, AND CHROME FINISH; SUPPLIES: 3/8" X 12" CHROME PLATED FLEXIBLE SUPPLIES WITH WHEEL HANDLE STOP; STRAINER: ELKAY MODEL# LK99 CHROME PLATED STAINLESS STEEL STRAINER BASKET; P-TRAP: 1-1/2" PVC W/ CLEANOUT; THERMOSTATIC MIXING VALVE (TMV): SYMMONS #7-210-CK MOUNTED BELOW LAVATORY AND SET FOR A MAXIMUM MIXED TEMP OF 105°F.	1/2"	1/2"	2"	1-1/2"
P-4	MOP SINK (PF-MOP): MUSTEE MODEL# 63M FLOOR MOUNTED, FIBERGLASS SERVICE SINK; FAUCET: MUSTEE MODEL #63.600A DUAL HANDLE FAUCET WITH TOP REINFORCING BAR, PAIL HOOK, VACUUM BREAKER, THREADED SPOUT AND CHROME PLATED FINISH; ACCESSORIES: MUSTEE MODEL #65.700 HOSE & HOSE HOLDER AND MUSTEE MODEL #65.600 MOP HANGER. REFER TO ARCHITECTURAL ROOM ELEVATIONS FOR MOP SINK SIDE PANELS.	3/4"	3/4"	3"	2"
P-5	ELECTRIC WATER COOLER (PF-DE): ELKAY MODEL# EZSLBWSK 8I-LEVEL WALL MOUNTED ADA COOLER WITH ALL STAINLESS STEEL FINISH, FRONT AND SIDE PUSHBAR, FLEXIBLE ANTI-MICROBIAL SAFETY BUBBLER, AND E1H2O BOTTLE FILLING STATION; BOTTLE FILLING STATION TO BE INSTALLED ON LOW SIDE OF WATER COOLER. SUPPLIES: 3/8" X 12" CHROME PLATED FLEXIBLE SUPPLIES WITH LOOSE KEY STOP; CARRIER: FLOOR MOUNTED IN WALL CARRIER MOUNTING SYSTEM.	1/2"	-	2"	1-1/2"
P-6	EXTERIOR WALL HYDRANT (PF-WHB): WOODFORD MODEL# B65-CH WITH STANDARD CHROME FINISH, AUTOMATIC ANTI-SIPHON VACCUM BREAKER, 3/4" CONNECTION, AND BRASS FACE WITH INTEGRAL VACUUM BREAKER. MOUNT 18" ABOVE GRADE.	3/4"	-	-	-
P-7	ROOFTOP HOSE BIBB (PF-RHB): WOODFORD MODEL# SRH-MS COMPLETE, COMMERCIAL ROOF HYDRANT WITH VACUUM BREAKER BACKFLOW PREVENTER, 3/4" CONNECTION	3/4"	-	-	-
RD1	ROOF DRAIN (PF-RD1): ZURN MODEL# ZC100-DP-VP 15" DIAMETER ROOF DRAIN WITH DURA-COATED CAST IRON BODY, BOTTOM OUTLET, TOP-SET DECK PLATE, VANDAL PROOF SECURED TOP, AND LOW SILHOUETTE CAST IRON DOME. PROVIDE PERIMETER BLOCKING TO RAISE THE DECK PLATE TO THE ROOFING LEVEL.	-	-	SEE DRAWINGS	-
ORD	OVERFLOW ROOF DRAIN (PF-OD1): ZURN MODEL# ZC100-DP-VP 89 15" DIAMETER ROOF DRAIN WITH DURA-COATED CAST IRON BODY, BOTTOM OUTLET, 2" EXTERNAL WATER DAM, TOP-SET DECK PLATE, VANDAL PROOF SECURED TOP, AND LOW SILHOUETTE CAST IRON DOME. PROVIDE PERIMETER BLOCKING TO RAISE THE DECK PLATE TO THE ROOFING LEVEL.	-	-	SEE DRAWINGS	-
DNZ	DOWNSPOUT NOZZLE (PF-DN1): ZURN MODEL# ZANB199-SS DOWNSPOUT NOZZLE. PROVIDE WITH NICKEL BRONZE BODY, REMOVABLE STAINLESS SCREEN, AND DECORATIVE WALL FLANGE.	-	-	SEE DRAWINGS	-
DNB	DOWNSPOUT SHOE: PIEDMONT MODEL# SG-2.5X3-12 CUSTOM DOWNSPOUT WITH 2.5" x 3" INLET, 3" OUTLET, 12" BODY LENGTH	-	-	SEE DRAWINGS	-
FD	FLOOR DRAIN (PF-FD): ZURN MODEL# ZN415S-Y FLOOR DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, ADJUSTABLE COLLAR, AND HEEL PROOF NICKEL BRONZE TOP. PROVIDE WITH SQUARE 5x5 STRAINER, SEDIMENT BUCKET, AND TRAP SEAL SIMILAR TO JAY R. SMITH 2692-04 (WHERE ACCEPTABLE BY LOCAL CODES).	-	-	SEE DRAWINGS	-
GCO	GRADE CLEANOUT (PF-GCO): ZURN MODEL# ZN1400 ADJUSTABLE CLEANOUT WITH DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND SCORIATED COVER. NOTE: LOCATION OF THIS CLEANOUT FOR TYPE OF DUTY REQUIRED FOR THE COVER.	-	-	SEE DRAWINGS	-
WCO	WALL CLEANOUT (PF-WCO): ZURN MODEL# Z1446 DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT TAPERED THREAD PLUG, SMOOTH ROUND STAINLESS STEEL COVER, AND SECURING SCREW.	-	-	SEE DRAWINGS	-
FCO	FLOOR CLEANOUT (PF-FCO): ZURN MODEL# ZN1400 ADJUSTABLE FLOOR CLEANOUT WITH DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND SCORIATED COVER.	-	-	SEE DRAWINGS	-
EWH	ELECTRIC WATER HEATER (PF-WH): A.O. SMITH MODEL# DEL-10 ENERGY SAVER, 18" DIA x 18" H, 10 GALLON LINED TANK, ONE 3000 WATT ELEMENT 208/11/60, 20 AMP BREAKER. PROVIDE WITH WALL SUPPORT BRACKET HOLDRITE MODEL# 40-SWHP-W. ELECTRICAL CONTRACTOR TO PROVIDE DAINTREE LEAK DETECTOR WITH REMOTE SPOT SENSOR ACCESSORY. MOUNT DETECTOR ON WALL AND MOUNT REMOTE SENSOR IN OVERFLOW PAN.	3/4"	3/4"	-	-
WHA	WATER HAMMER ARRESTORS: SIOUX CHIEF MODEL#660 SERIES PISTON TYPE TYPE I COPPER TUBE	-	-	-	-
BFP	BACKFLOW PREVENTER: WATTS MODEL# LF7C LEAD FREE DUAL CHECK VALVE FOR WATER DISPENSER AND COFFEE MAKER.	SEE DRAWINGS	-	-	-
RP2-1	BUILDING REDUCED PRESSURE ZONE ASSEMBLY: WATTS MODEL# LF009M2QT LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY WITH INTERNAL PRESSURE DIFFERENTIAL RELIEF VALVE, ISOLATION VALVES, TEST PORTS, AND AIR GAP DRAIN FITTING.	SEE DRAWINGS	-	-	-
RP2-2	IRRIGATION REDUCED PRESSURE ZONE ASSEMBLY: WATTS MODEL# LF009M2QT LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY WITH INTERNAL PRESSURE DIFFERENTIAL RELIEF VALVE, ISOLATION VALVES, TEST PORTS, AND AIR GAP DRAIN FITTING.	SEE DRAWINGS	-	-	-

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
BOT	BOTTOM
CD	CONDENSATE DRAINAGE
CP	CHROME PLATED
CLG	CEILING
CO	CLEANOUT
CW	COLD WATER
DN	DOWN
DNZ	DOWNSPOUT NOZZLE
D	DRAIN
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FC	FAN COIL
FD	FLOOR DRAIN
FL	FLOOR
GCO	GRADE CLEANOUT
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HB	HOSE BIBB
HW	HOT WATER
INV	INVERT (VERIFY IN FIELD)
MAX	MAXIMUM
MIN	MINIMUM
ORD	OVERFLOW ROOF DRAIN
RD	ROOF DRAIN
RWL	RAINWATER LEADER
S	SANITARY
ST	STORM DRAIN
S.ST	SECONDNDARY STORM DRAIN
W/TPC	WITH TRAP PRIMER CONNECTION
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VENT
VO	VALVED OUTLET
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
W	WASTE
WCO	WALL CLEANOUT

PIPING

	NEW COLD WATER PIPING
	NEW HOT WATER PIPING
	NEW HOT WATER RETURN PIPING
	NEW SANITARY AND/OR WASTE PIPING
	NEW VENT PIPING
	NEW PRIMARY STORM WATER PIPING
	NEW SECONDARY STORM WATER PIPING
	NEW CONDENSATE DRAIN PIPING
	NEW GAS PIPING
	CLEANOUT IN FLOOR
	GRADE CLEANOUT
	FLOOR DRAIN
	ROOF DRAIN (PRIMARY)
	ROOF DRAIN (SECONDARY)
	WALL CLEANOUT EXPOSED
	VALVE IN RISER
	DIRECTION OF FLOW
	TOP CONNECTION, 45 OR 90 DEG.
	BOTTOM CONNECTION, 45 OR 90 DEG.
	SIDE CONNECTION
	CAPPED OUTLET
	DROP IN PIPING
	RISE IN PIPING
	HOSE BIBB
	BALL VALVE

ISOMETRIC SYMBOLS

	VENT THRU ROOF
	WATER CLOSET
	WALL CLEANOUT
	LAVATORY AND/OR SINK
	GRADE OR FLOOR CLEANOUT
	FLOOR DRAIN
	FLOOR DRAIN WITH TRAP PRIMER CONNECTION

DRAWING SYMBOLS

	POINT OF CONNECTION
	POINT OF DISCONNECTION
	KEYED NOTES

PIPE MATERIAL SCHEDULE

SERVICE	APPLICATION	PIPE MATERIAL
DOMESTIC WATER	ABOVE GRADE	TYPE "L" HARD DRAWN COPPER
	BELOW GRADE	TYPE "K" HARD DRAWN COPPER
SANITARY	ABOVE GRADE	HUBLESS CAST IRON
	BELOW GRADE	SCH. 40 PVC OR CAST IRON
STORM	ABOVE GRADE	HUBLESS CAST IRON
	BELOW GRADE	SCH. 40 PVC OR CAST IRON
VENT	ABOVE GRADE	HUBLESS CAST IRON
CONDENSATE	ABOVE GRADE	TYPE "L" HARD DRAWN COPPER
NOTE: REFER TO SPECIFICATION SECTION 221000 FOR ADDITIONAL INFORMATION.		

CONTROL DEVICES

	OWNER'S IRRIGATION SYSTEM CONTROL PANEL: WEATHERMATIC ENABLED FOR ZIGBEE WIRELESS PROTOCOL BY OWNERS LANDSCAPER
NOTE: BMS CONTROL DEVICES TO BE ORDERED FROM THE BMS EQUIPMENT VENDOR. COORDINATE WITH PROJECT ELECTRICIAN.	

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SHEET TITLE

PLUMBING  
ABBREVIATION,  
LEGENDS & NOTES

SHEET NUMBER

P0.0

PLUMBING GENERAL NOTES:

1.	CONTRACTOR SHALL PROVIDE COMPLETE PLUMBING SYSTEMS AS DETAILED ON THESE DRAWINGS. IN COMPLIANCE WITH 2018 INTERNATIONAL PLUMBING CODE, WORK CONSISTS OF FURNISHING ALL MATERIALS, EQUIPMENT, AND SERVICES REQUIRED FOR COMPLETE SYSTEMS. INCLUDE ANY INCIDENTAL APPARATUS, APPLIANCES, MATERIAL LABOR AND SERVICES NECESSARY TO MAKE NEW WORK COMPLETE IN ALL RESPECTS AND FULLY READY FOR OPERATION.
2.	VERIFY THE EXACT LOCATION OF EXISTING SANITARY SEWERS AND WATER MAINS FROM THE ACTUAL JOB SITE PRIOR TO SUBMITTING BID. SUBMISSION OF YOUR PROPOSAL SHALL BE CONSTRUED AS INDICATING SUCH KNOWLEDGE. NO ADDITIONAL PAYMENT WILL BE MADE ON CLAIMS THAT ARISE FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
3.	MAKE SUCH OFFSETS AND DEVIATIONS FROM WORK SHOWN ON THE DRAWINGS, AS MAY BE NECESSARY TO FIT THE ACTUAL SPACE CONDITIONS
4.	WHERE VALVES OCCUR ABOVE DRYWALL OR PLASTER OR ARE CONCEALED BEHIND WALLS, THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS. COORDINATE COLOR AND STYLE WITH ENGINEER/ARCHITECT.
5.	INSTALLER SHALL NOT CUT ANY STRUCTURAL MEMBERS WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE ARCHITECT.
6.	PROVIDE DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR PIPING METALS.
7.	NO VENT THROUGH ROOF SHALL TERMINATE CLOSER THAN 10 FT. TO ANY OUTSIDE AIR INTAKE OR VENTILATION LOUVERS, DOORS, WINDOWS AND OTHER BUILDING OPENINGS.
8.	SANITARY SEWER AND MAIN WATER PIPING UNDERGROUND SHALL BE A MINIMUM OF 36" BELOW EXTERIOR GRADE.
9.	PIPING IN CONCRETE BLOCK WALLS SHALL BE INSTALLED AS BLOCK IS BEING LAID. DO NOT CUT BLOCK WALL.
10.	PROVIDE ALL SINKS AND LAVATORIES WITH TRAP FITTINGS FOR CLEANOUT
11.	CONTRACTOR IS RESPONSIBLE TO ALSO CHECKING FIELD CONDITIONS PRIOR TO BIDDING AND REPORT ANY PROBLEMS/CONFLICTS TO THE ENGINEER WITHIN 2 DAYS OF DISCOVERY. ANY CHANGES RESULTING FROM CONDITIONS ARISING IN THE FIELD WHICH WERE NOT BROUGHT TO THE ENGINEER'S ATTENTION ARE TO BE MADE BY THIS CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER
12.	ALL WORK IS TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE(1) YEAR FROM DATE OF FINAL ACCEPTANCE. ALL DEFECTS WHICH DEVELOP OR ARE DISCOVERED WITHIN THIS PERIOD SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
13.	UPON COMPLETION OF THE WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL REMOVE ALL TOOLS, APPLIANCES, SURPLUS MATERIALS, AND SCRAP. ALL IDENTIFIED EXISTING EQUIPMENT TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER.
14.	THE CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES IN ORDER TO AVOID CONFLICTS.
15.	THE CONTRACTOR SHALL PROVIDE ALL CHROME EXPOSED TRAP PRIMER CONNECTIONS BELOW LAVATORIES
16.	PLUMBING CONTRACTOR SHALL PROVIDE NAMEPLATE INFO TO THE FACILITY MANAGER FOR WATER HEATER AND RP2.
17.	ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 3/4" ARMSTRONG "ARMAFLEX" INSULATION. THE FIRST 8 FEET OF PIPING FROM THE HOT WATER HEATER SHALL BE INSULATED WITH 1/2" INSULATION FOR COLD WATER AND 1" INSULATION FOR HOT WATER.
18.	CONTRACTOR TO VISUALLY INSPECT CONDITION OF EXISTING SANITARY PIPING PRIOR TO COMMENCING WORK WITH APPROVED VIDEO CAMERA PROBE. CONTRACTOR TO RECORD INSPECTION AND PROVIDE TO ARCHITECT. IMMEDIATELY NOTIFY ARCHITECT OF ANY DEFECTS, DAMAGES, OR ISSUES IN EXISTING PIPING, UPON COMPLETION OF WORK RE-INSPECT PIPING.
19.	ALL NEW AND EXISTING POTABLE WATER PIPING SHALL BE DISINFECTED PRIOR TO OCCUPANCY.
20.	ALL MATERIALS WITHIN RETURN AIR PLENUMS OR EXPOSED WITHIN DUCTS SHALL BE NONCOMBUSTIBLE AND/OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM B4 TESTING.
21.	NO NEW OR EXISTING PLASTIC PIPING (PVC,ABS,OR CPVC) IS ALLOWED IN OPEN PLENUM RETURN AIR SYSTEMS, UNLESS WRAPPED IN PLENUM RATED INSULATION SIMILAR TO 3M FIRE BARRIER PLENUM WRAP 5A+ OR EQUAL.
22.	THE CONTRACTOR SHALL PAINT ALL EXPOSED EXTERIOR METAL GAS PIPING, VALVES, SERVICE REGULATORS, AND PIPING SPECIALTIES, EXCEPT COMPONENTS WITH FACTORY-APPLIED PAINT OR PROTECTIVE COATING. CONTRACTOR SHALL PRIME WITH AN ALKYD ANTICORROSIIVE METAL PRIMER AND TOP WITH A MINIMUM OF TWO COATS OF ALKYD ENAMEL. COORDINATE COLOR WITH ARCHITECT/LANDLORD.

PLUMBING EQUIPMENT COMPONENTS EARTHQUAKE LOAD RESISTANCE							
OCCUPANCY CATEGORY ( I )				SEISMIC DESIGN CATEGORY ( B )			
EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS		
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	ON CONST. DOCUMENTS		COMMENTS
					DRAWING NO. OR SPEC. SECTION	SUBSEQUENT SUBMITTAL SHOP DRAWINGS SEPARATE PERMIT & PLANS	
WASTE PIPING	x		x				SEISMIC BRACING NOT REQUIRED FOR DESIGN CATEGORY B
EXTERIOR GAS PIPING (I <sub>g</sub> =1.5)	x		x				SEISMIC BRACING NOT REQUIRED FOR DESIGN CATEGORY B
INTERIOR GAS PIPING (I <sub>g</sub> =1.5)	x		x				SEISMIC BRACING NOT REQUIRED FOR DESIGN CATEGORY B
VENT PIPING (I <sub>P</sub> =1.0)	x		x				SEISMIC BRACING NOT REQUIRED FOR DESIGN CATEGORY B
WATER PIPING (I <sub>P</sub> =1.0)	x		x				SEISMIC BRACING NOT REQUIRED FOR DESIGN CATEGORY B
STORM PIPING (I <sub>P</sub> =1.0)	x		x				SEISMIC BRACING NOT REQUIRED FOR DESIGN CATEGORY B
WATER HEATER (I <sub>P</sub> =1.0)	x		x				SEISMIC BRACING NOT REQUIRED FOR DESIGN CATEGORY B



PLUMBING NOTES:

1.

DEDICATED ELECTRICAL SPACE. THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT SIX FEET ABOVE THE EQUIPMENT OR TO THE STRUCTURE, WHICHEVER IS LOWER. SHALL BE DEDICATED TO ELECTRICAL EQUIPMENT, NO PIPING FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE PERMITTED WITHIN THIS ZONE.
2.

CONTRACTOR TO ROUTE 1" CONDENSATE DRAIN FROM MECHANICAL EQUIPMENT AND TERMINATE AT MOP SINK WITH 2" AIR GAP FROM RIM OF SINK.
3.

CONTRACTOR TO PROVIDE DOWNSPOUT SHOE (DNZ) TO CONNECT TO CANOPY DOWNSPOUT AND DAYLIGHT TO LANDSCAPE. DOWNSPOUT PROVIDED BY CANOPY MANUFACTURER. CANOPY MANUFACTURER TO COORDINATE DOWNSPOUT LOCATION WITH SHOE AND FIELD CUT ASSOCIATED DRAIN HOLE IN THE CANOPY.

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08/13/2021

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HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
1700 Industrial Drive Suite B  
Rogers, AR 72756  
479.956.4400  
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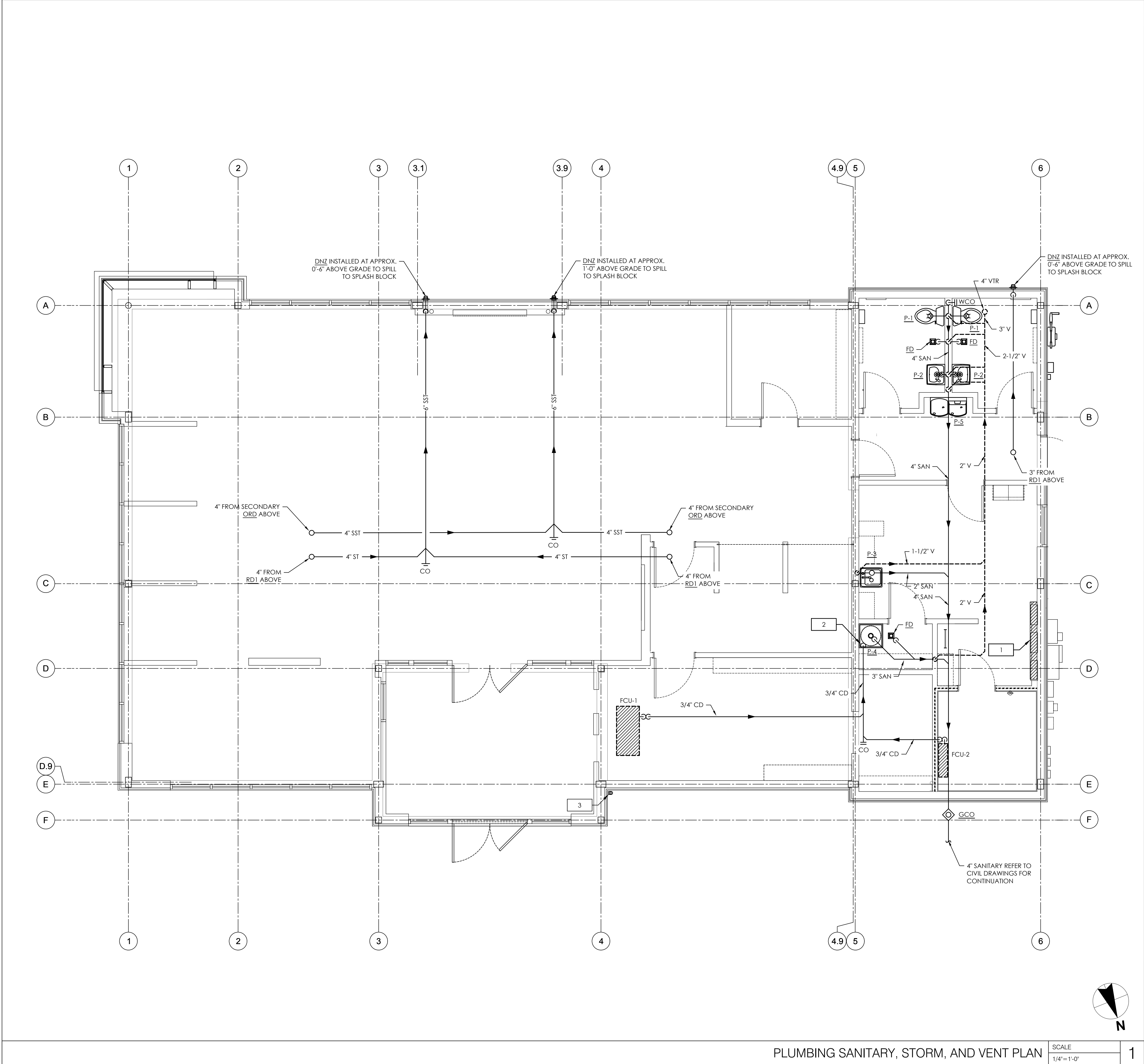
PROJECT INFORMATION	
PROJECT NO:	JPM.27135.001
DATE:	
PROTOTYPE:	20.2
DRAWN BY:	M.BATDORF
CHECKED BY:	S.VAZ
VERSION:	SE_1.00

SHEET TITLE

PLUMBING  
SANITARY, STORM,  
& VENT PLAN

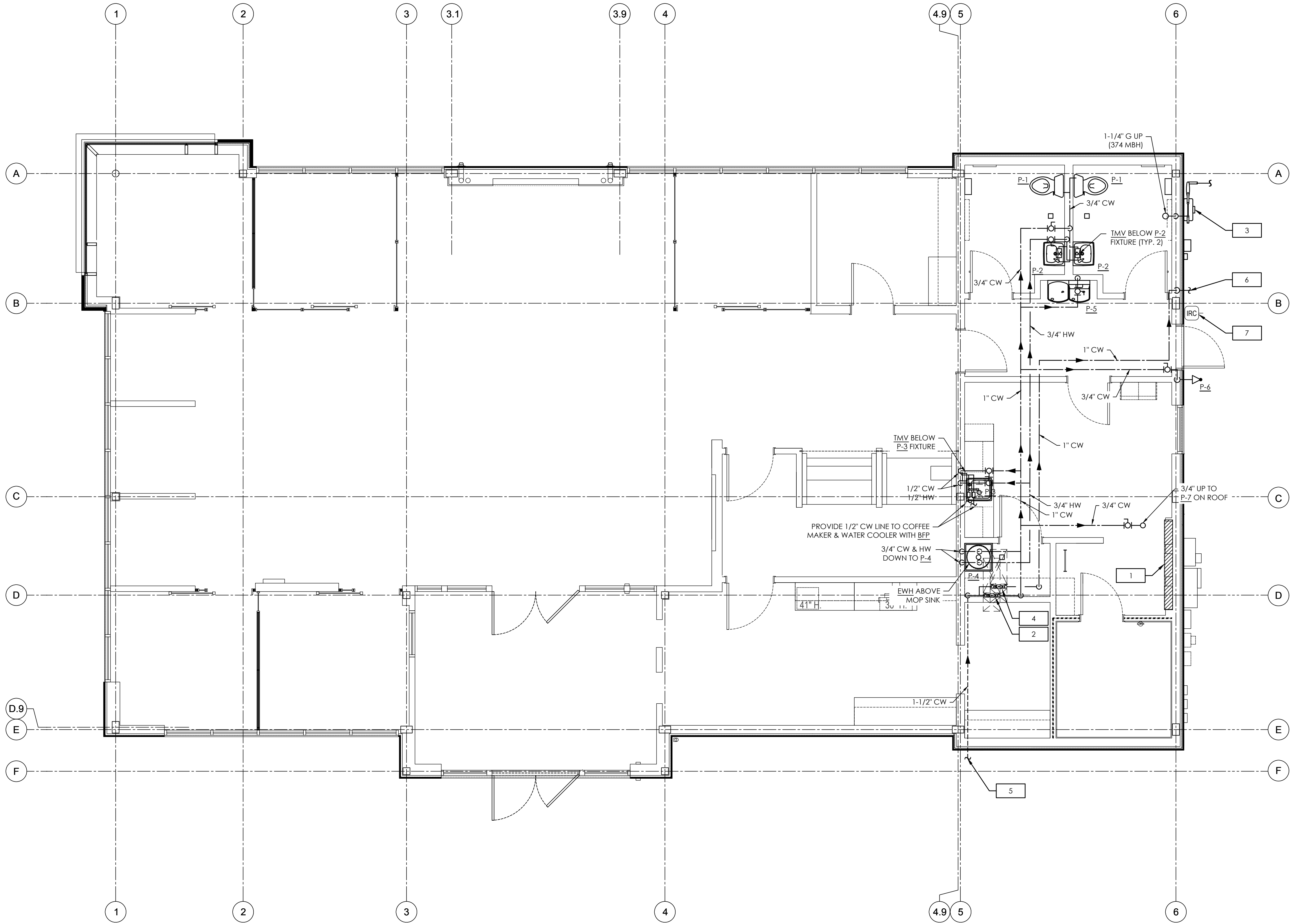
SHEET NUMBER

P1.0



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PLUMBING NOTES:

1. DEDICATED ELECTRICAL SPACE. THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT SIX FEET ABOVE THE EQUIPMENT OR TO THE STRUCTURE, WHICHEVER IS LOWER, SHALL BE DEDICATED TO ELECTRICAL EQUIPMENT, NO PIPING FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE PERMITTED WITHIN THIS ZONE.
2. CONTRACTOR TO PROVIDE 1" WATTS LF009M2QT BACKFLOW PREVENTION DEVICE SERVING BUILDING DOMESTIC WATER SYSTEM.
3. NEW GAS METER PROVIDED BY UTILITY COMPANY. COORDINATE WITH UTILITY COMPANY AS REQUIRED. CONTRACTOR TO EXTEND AND CONNECT NEW 1-1/4" GAS PIPING AND ROUTE TO ROOF. OFFSET PIPING TO ROOF IN CEILING PLENUM.
4. CONTRACTOR TO PROVIDE 1" WATTS LF009M2QT BACKFLOW PREVENTION DEVICE SERVING BUILDING IRRIGATION SYSTEM.
5. 1-1/2" DOMESTIC COLD WATER SERVICE BELOW GRADE. REFER TO CIVIL PLANS FOR CONTINUATION.
6. 1" COLD WATER TO BUILDING IRRIGATION SYSTEM BY OTHERS. REFER TO IRRIGATION PLANS FOR CONTINUATION. CONTRACTOR TO COORDINATE PIPE ROUTING AND TIE-IN WITH IRRIGATION CONTRACTOR PRIOR TO COMMENCING WORK.
7. LANDSCAPE IRRIGATION SYSTEM CONTROLLER AND WIRELESS NETWORK LINK. CONTROLLER SHALL BE LINKED TO DAINTEE BMS.

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CHECKED BY:	S.VAZ
VERSION:	SE.1.00

SHEET TITLE

PLUMBING DOMESTIC  
WATER PLAN

SHEET NUMBER

P1.1

PLUMBING DOMESTIC WATER PLAN

SCALE  
1/4"=1'-0"

1

P:\P\_Morgan Chase Lee's Summit, MO Hwy 291 and NE Langford Rd\JP\_M27135.001\WATERS\_Drawing.dwg P:\P\_Morgan Chase Lee's Summit, MO Hwy 291 and NE Langford Rd\JP\_M27135.001\WATERS\_Drawing.dwg P:\P\_Morgan Chase Lee's Summit, MO Hwy 291 and NE Langford Rd\JP\_M27135.001\WATERS\_Drawing.dwg  
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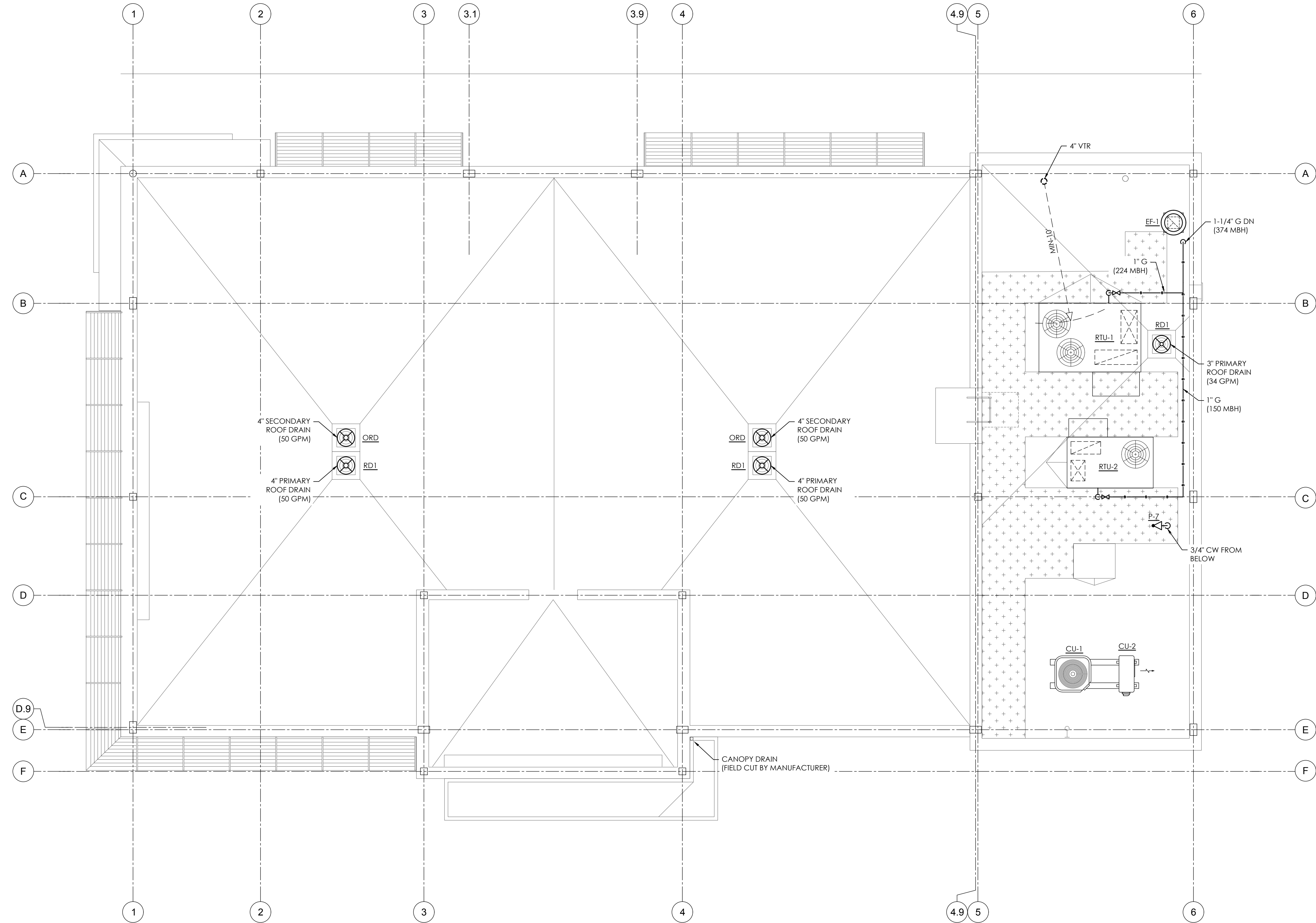
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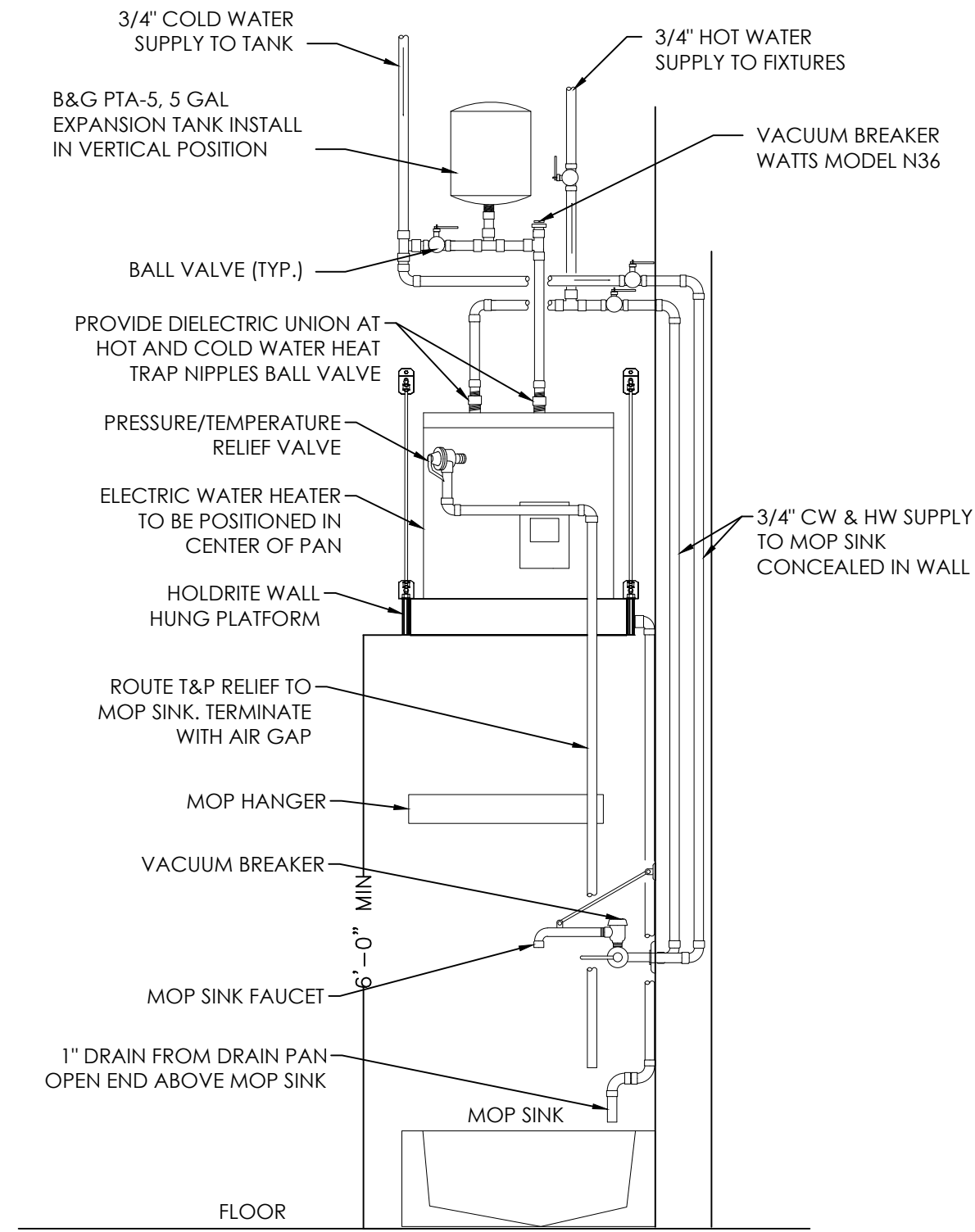
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CHECKED BY:	S.VAZ
VERSION:	SE 1.00

SHEET TITLE  
**PLUMBING ROOF PLAN**

SHEET NUMBER  
**P2.0**



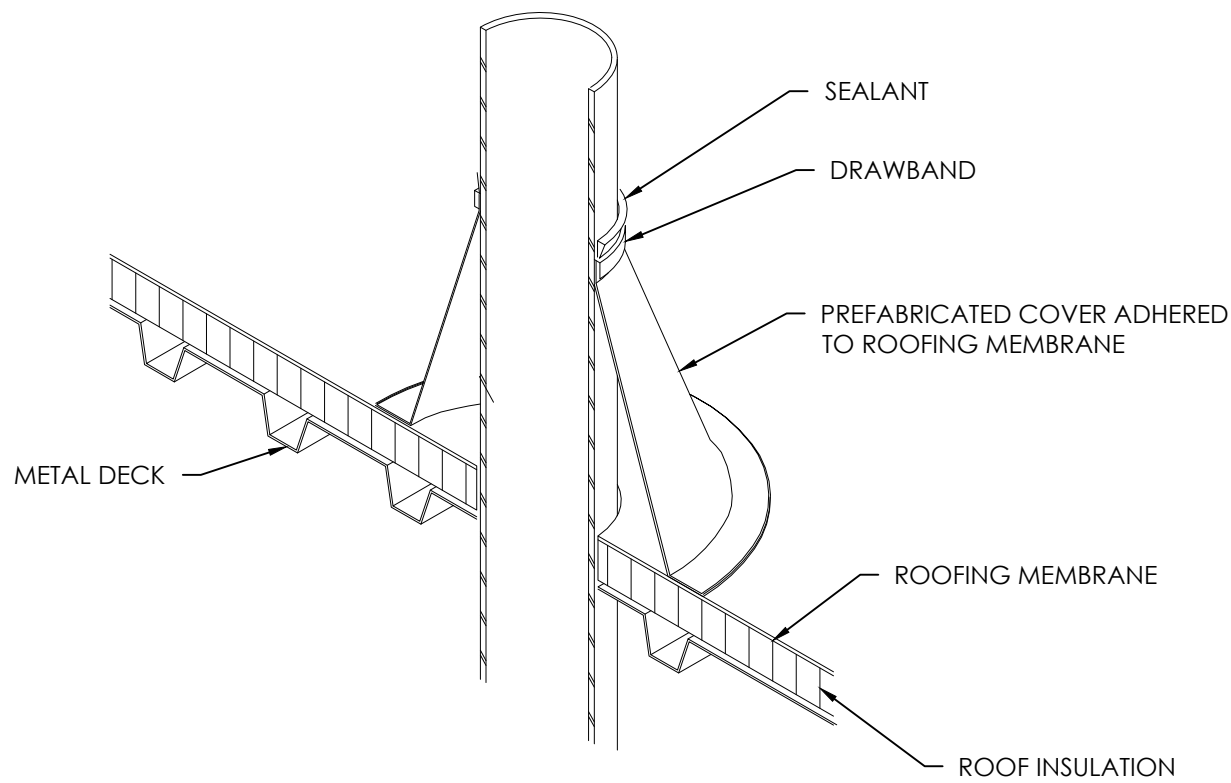




ELEC. WATER HEATER ON STAND

SCALE  
NTS

1



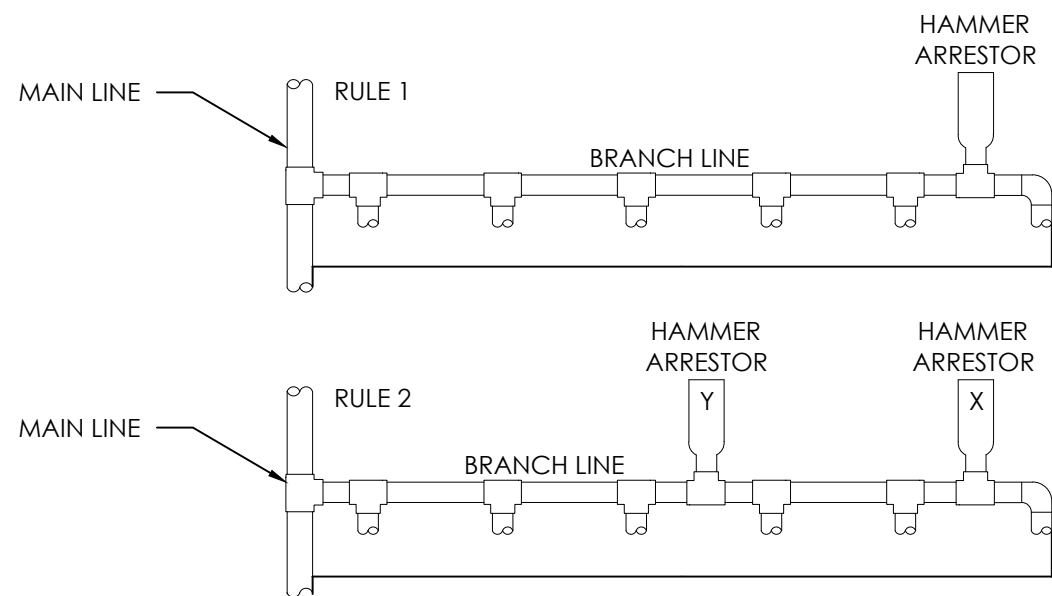
GAS PIPING THROUGH ROOF DETAIL

SCALE  
NTS

5

RULE 1: BRANCH LINES OF 20 FEET OR LESS.  
THE HAMMER ARRESTOR SHOULD BE PLACED AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES.

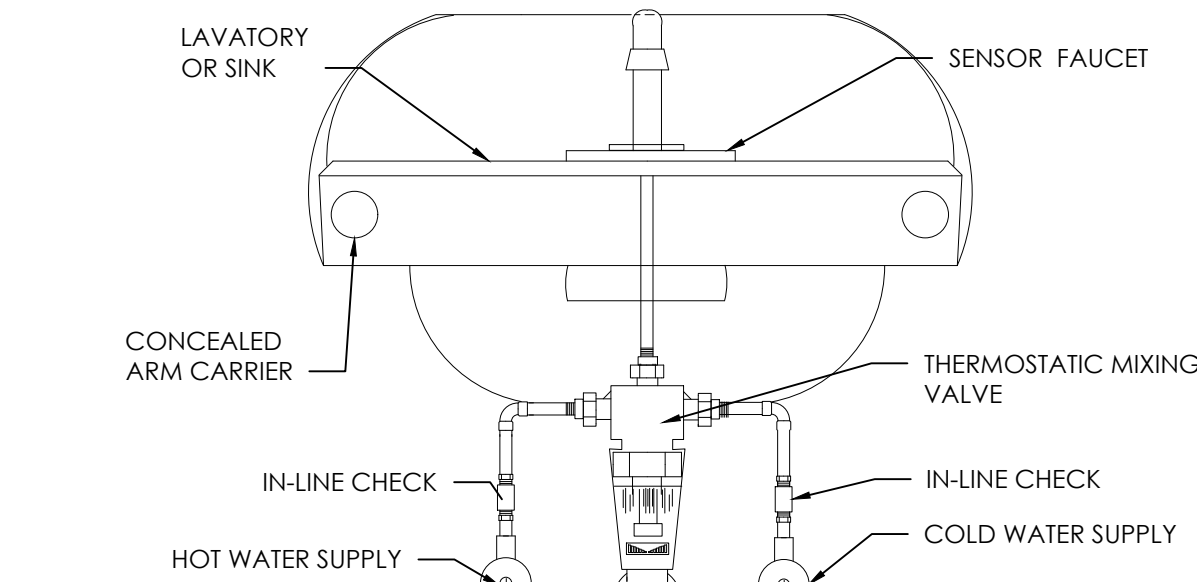
RULE 2: BRANCH LINES OVER 20 FEET.  
AN ADDITIONAL HAMMER ARRESTOR (Y) SHOULD BE PLACED AS SHOWN (BELOW). THE ADDITIONAL UNIT PLACED AT THE MIDPOINT OF THE RUN LONGER THAN 20 FEET. THE SUM OF THE FIXTURE UNIT RATINGS OF (X) AND (Y) COMBINED, SHOULD BE EQUAL TO OR GREATER THAN THE DEMAND OF ALL BRANCHES. INSTALL IN A ACCESSIBLE AREA



WATER HAMMER ARRESTOR

SCALE  
NTS

8



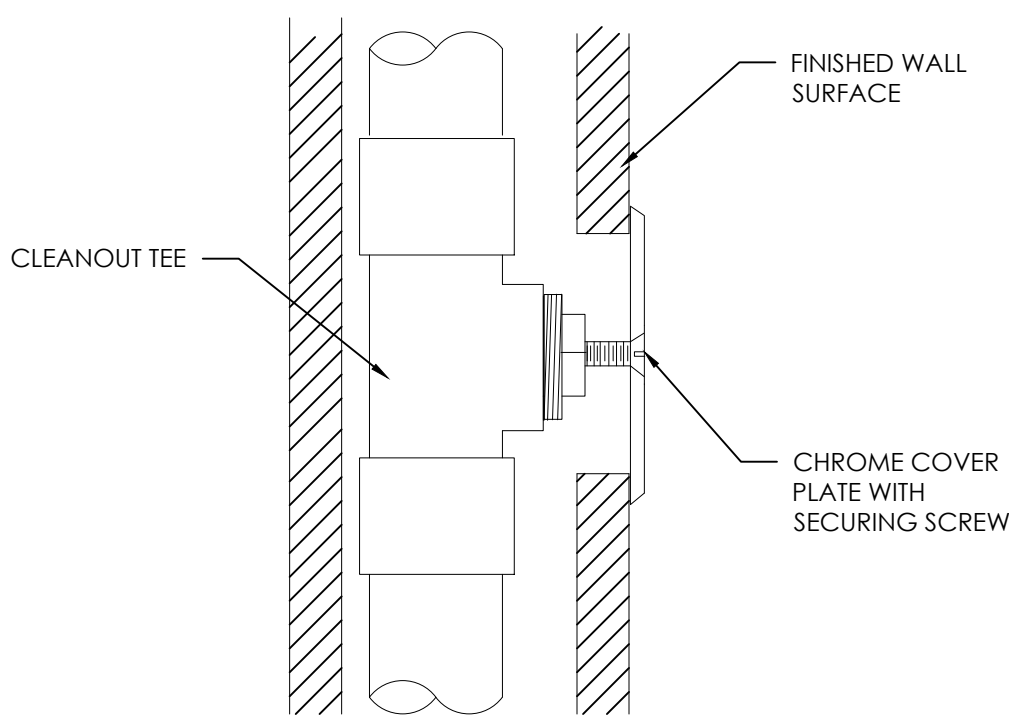
NOTES:

1. INSTALL MIXING VALVE IN WALL BELOW LAVATORY. FIELD COORDINATE EXACT LOCATION.

THERMOSTATIC MIXING VALVE

SCALE  
NTS

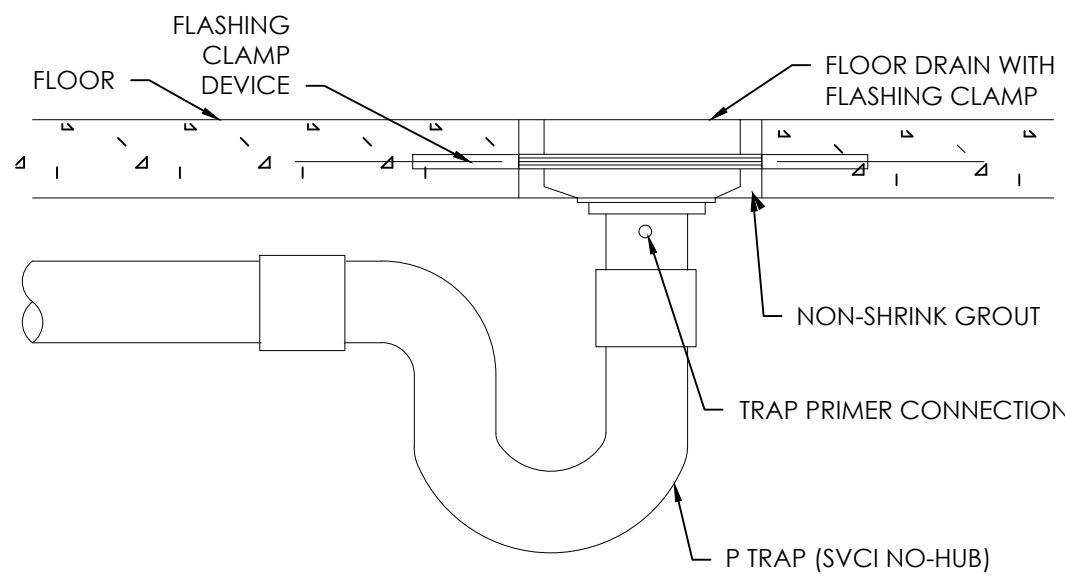
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WALL CLEANOUT

SCALE  
NTS

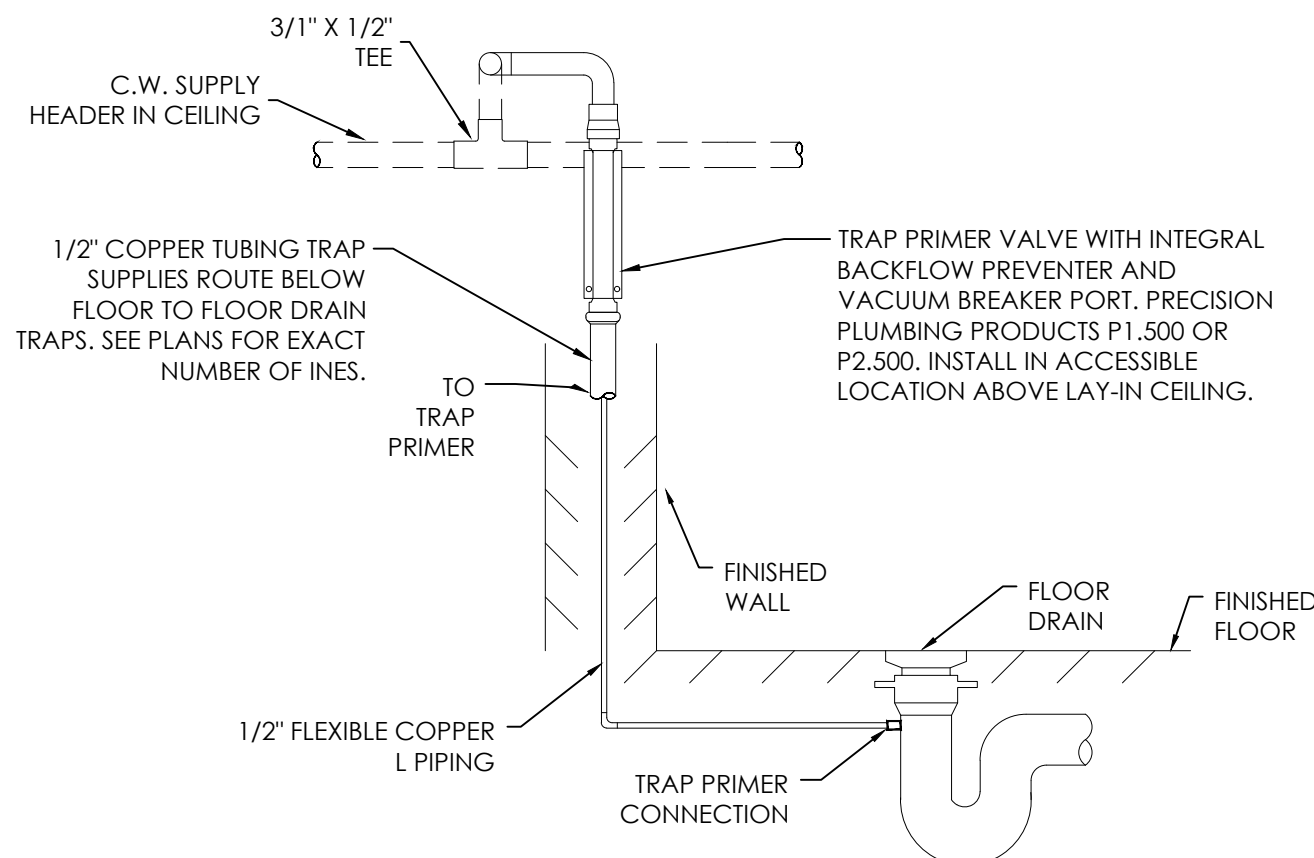
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FLOOR DRAIN

SCALE  
NTS

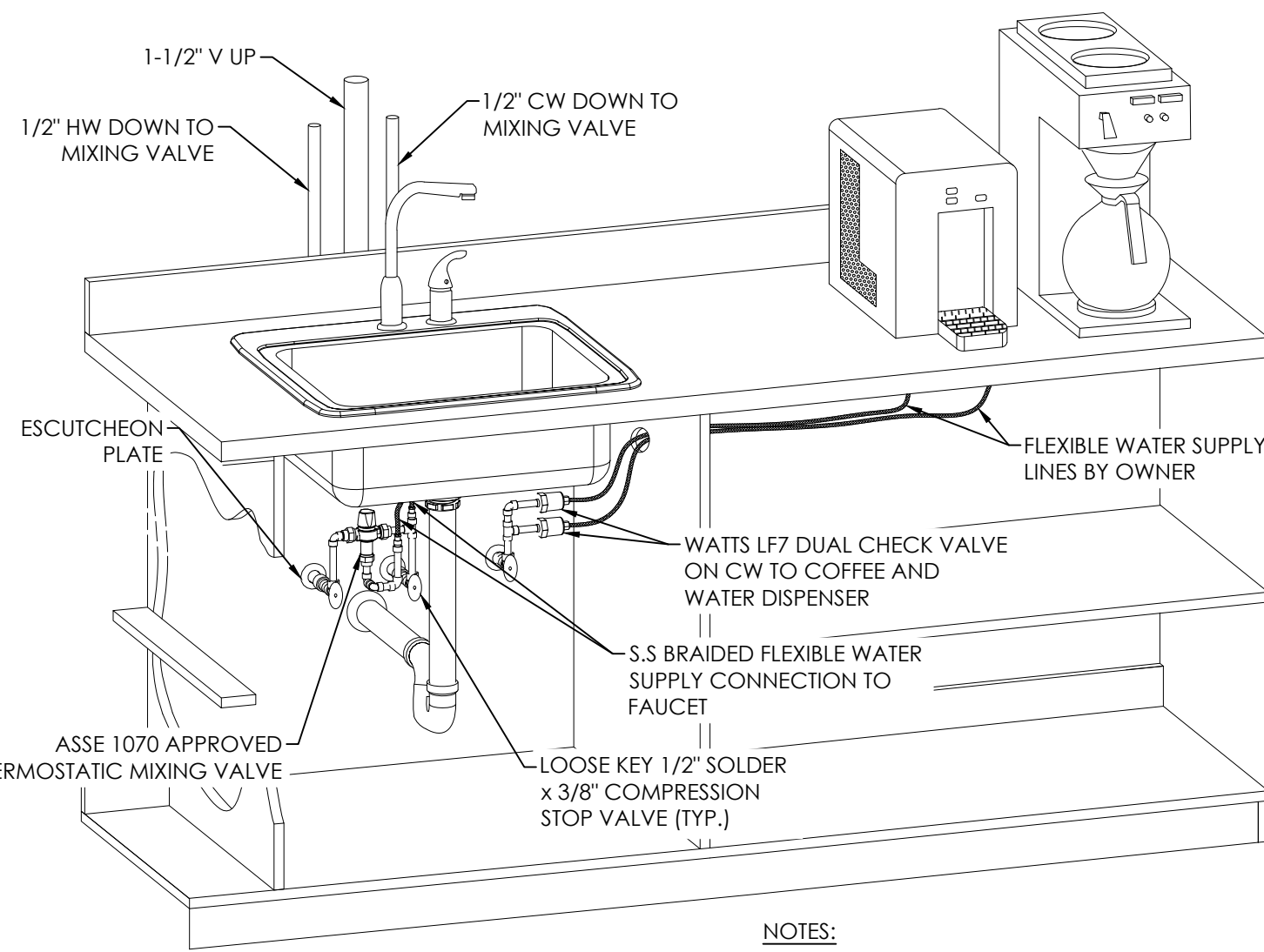
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TRAP PRIMER

SCALE  
NTS

9



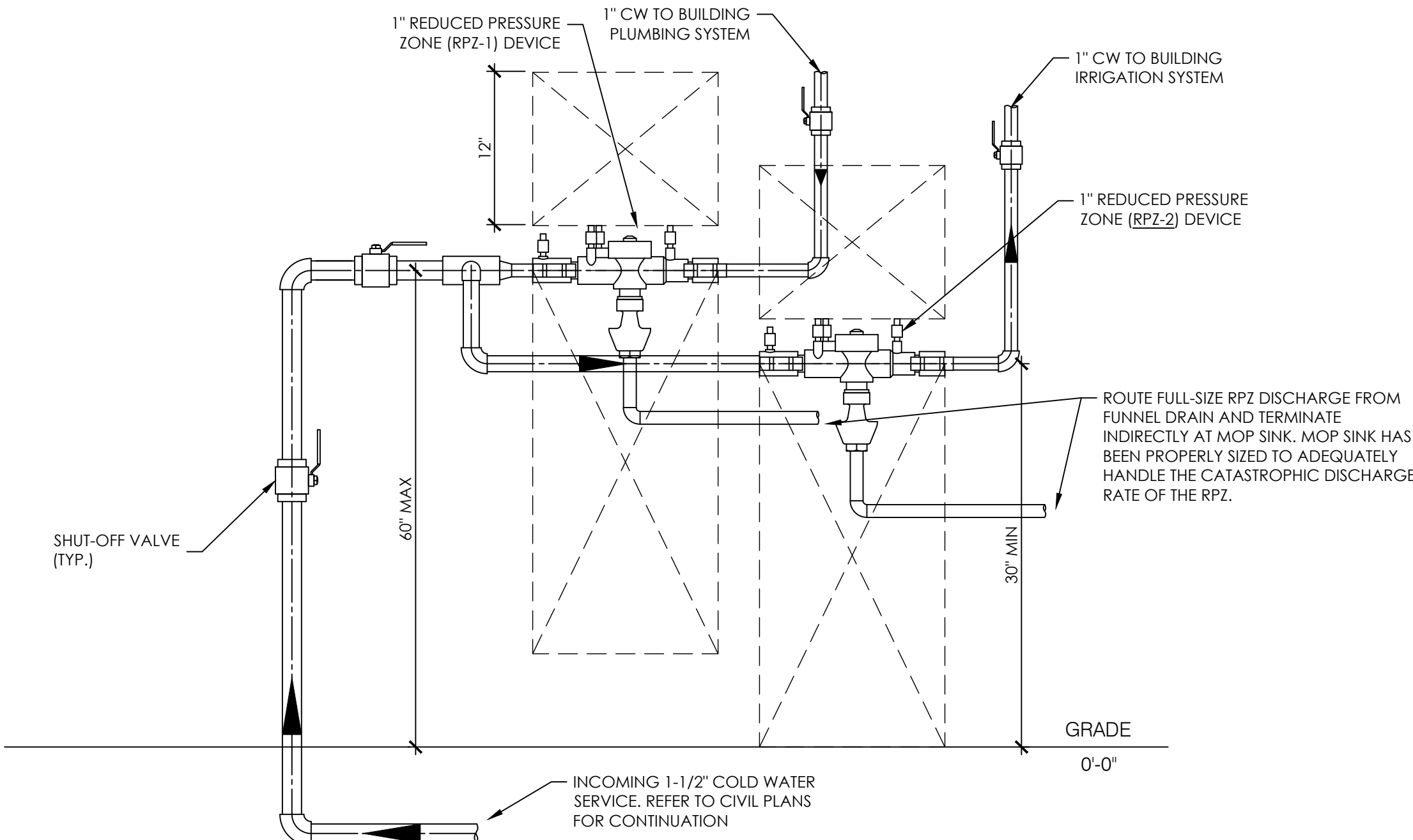
NOTES:

1. CONTRACTOR TO COORDINATE LOCATION OF COFFEE MAKER AND WATER DISPENSER WITH ARCHITECTURAL PLANS.

LOUNGE SINK DETAIL

SCALE  
NTS

3



DOMESTIC WATER SERVICE DETAIL

SCALE  
NTS

7

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DRAWN BY:	S.VAZ	
CHECKED BY:	SE 1.00	
VERSION:		

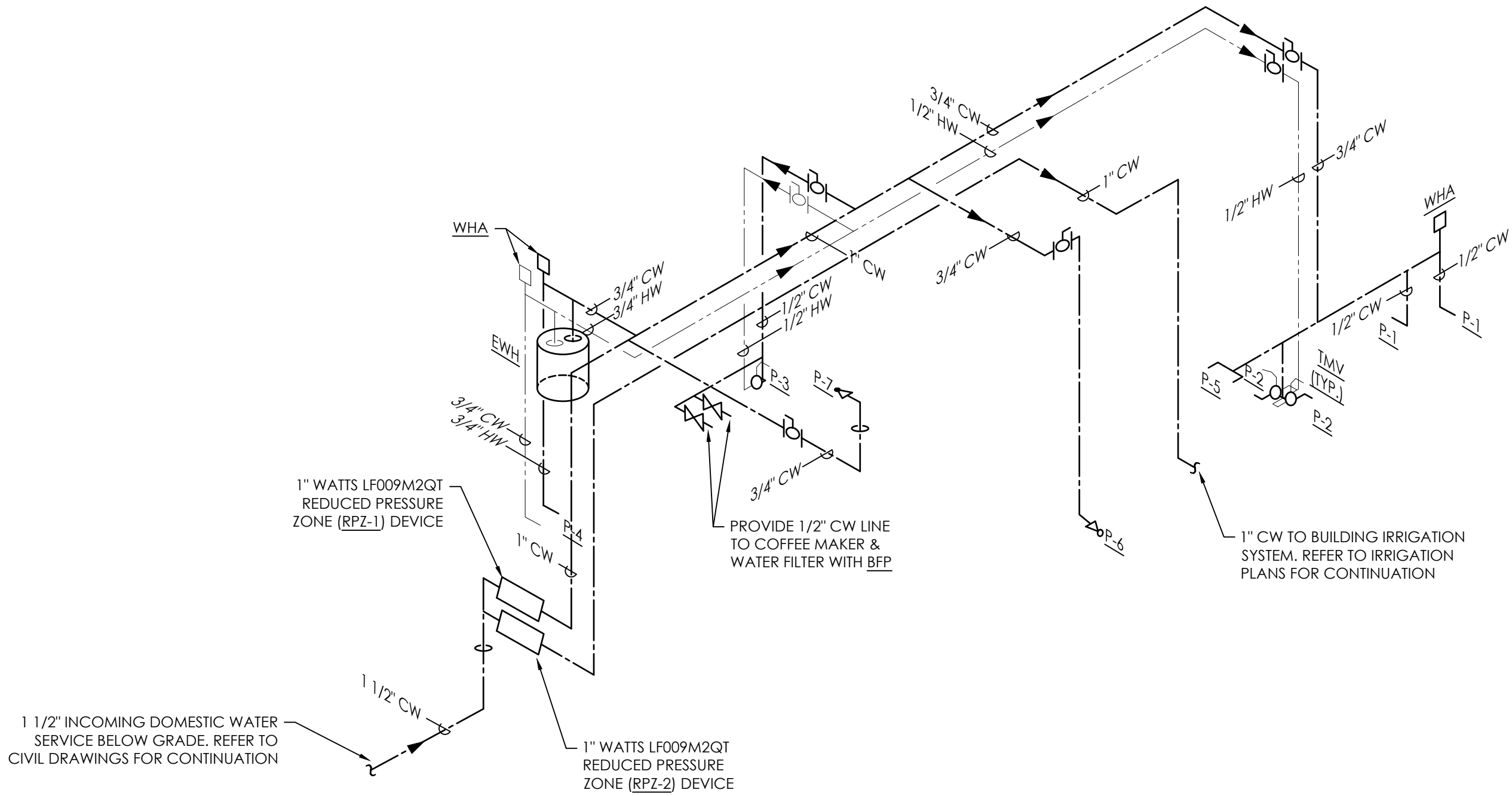
SHEET TITLE

PLUMBING  
DETAILS

SHEET NUMBER

P3.0

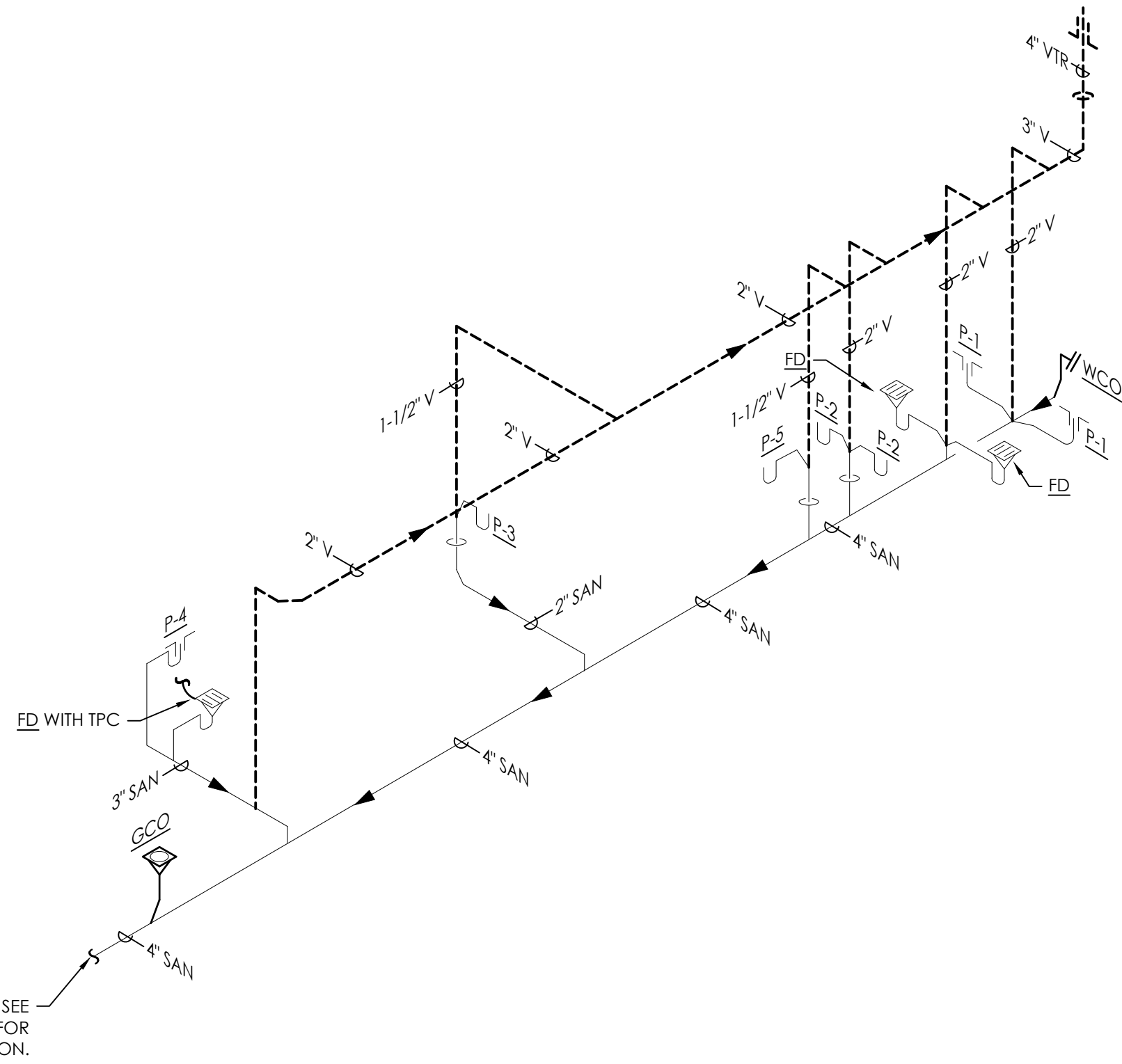




PLUMBING DOMESTIC WATER RISER

SCALE  
N.T.S.

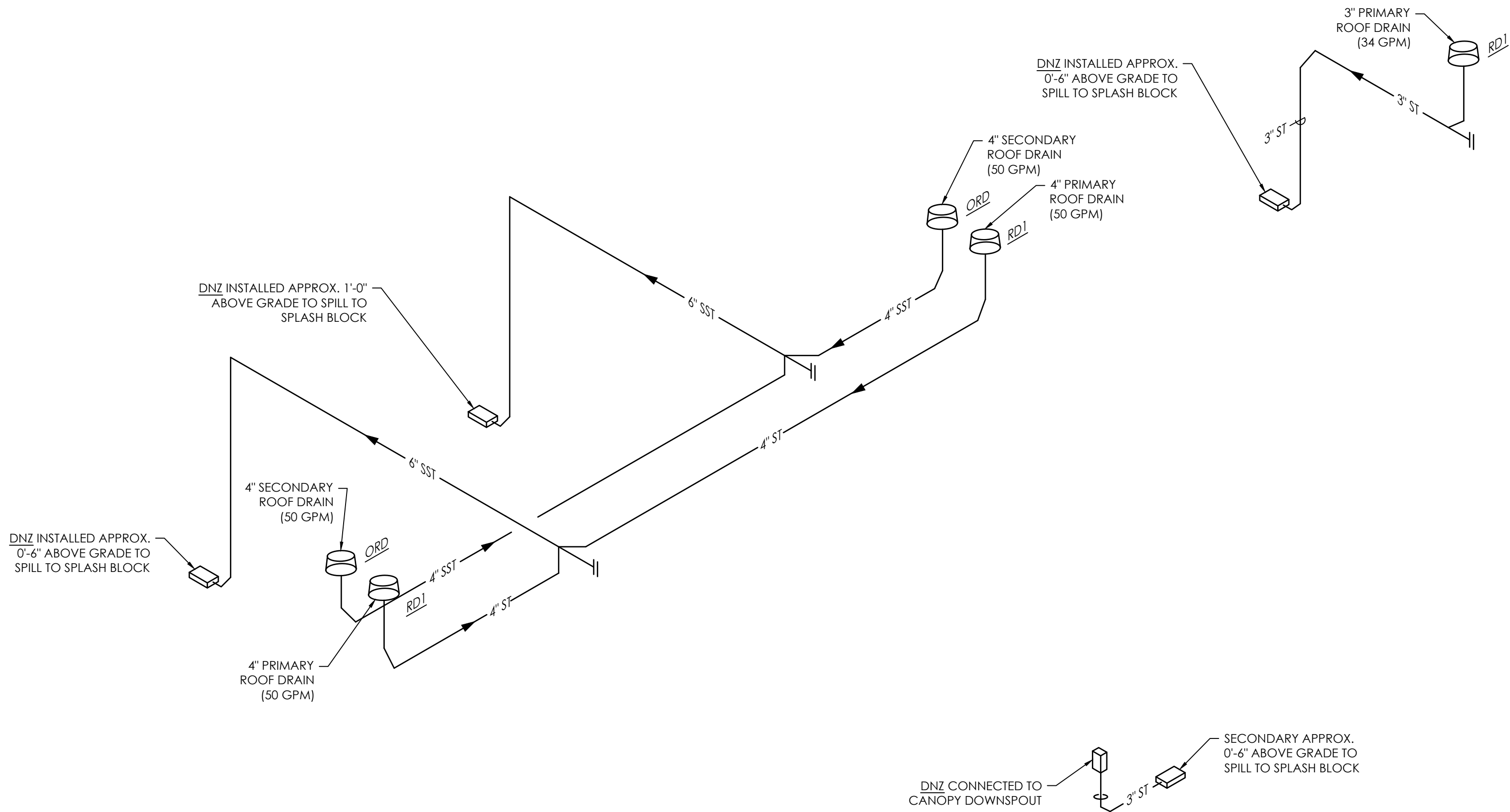
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PLUMBING SANITARY AND VENT RISER

SCALE  
N.T.S.

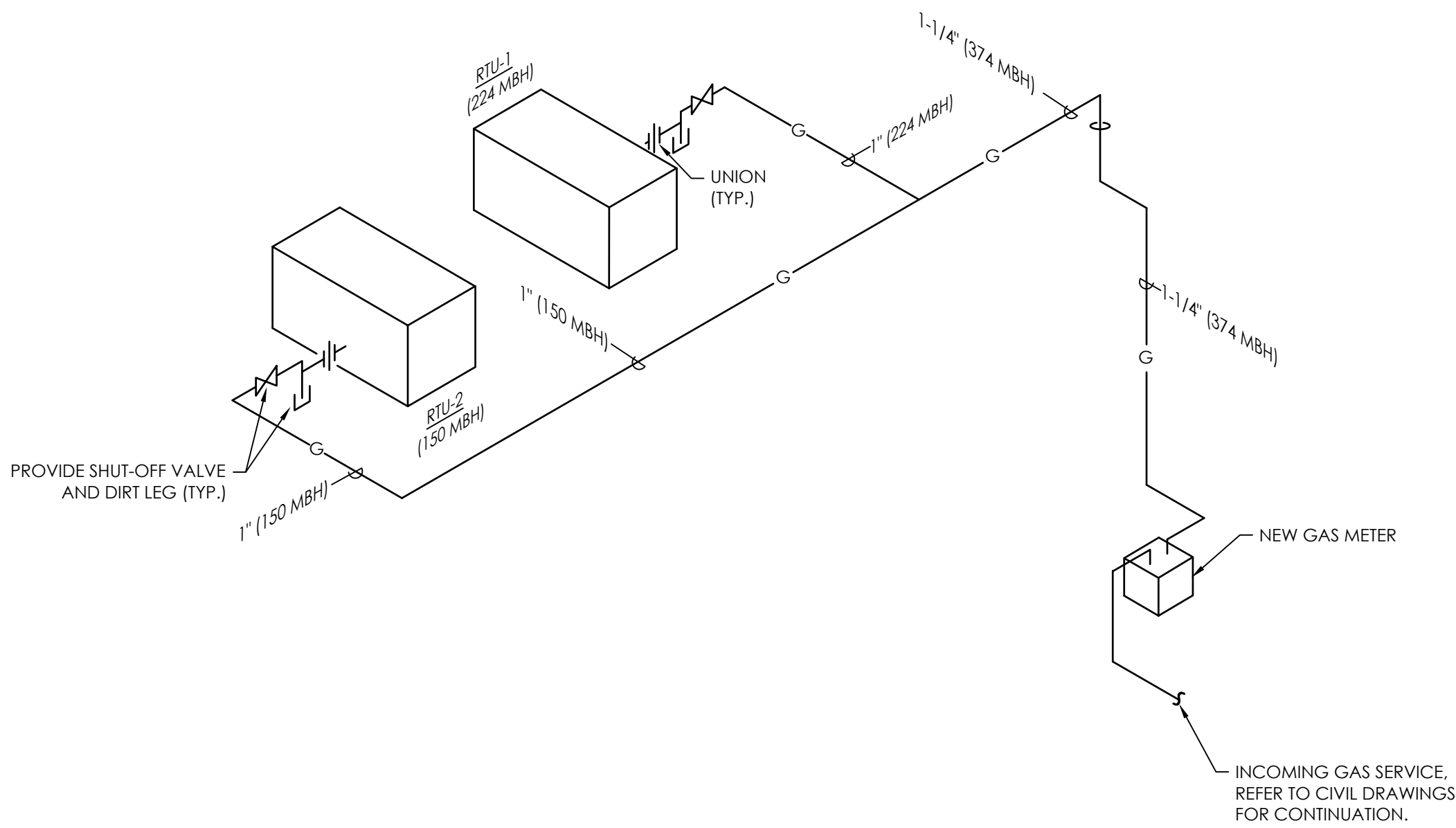
2



PLUMBING STORM RISER

SCALE  
N.T.S.

3



GAS LOAD SCHEDULE

EQUIPMENT	LOAD
RTU-1	224,000 BTUH
RTU-2	110,000 BTUH
TOTAL	334,000 BTUH

- NOTES:
- ALL VALUES BASED ON 2018 INTERNATIONAL FUEL GAS CODE.
  - MINIMUM REQUIRED PRESSURE IS 7" W.C. (1/4 PSI) WITH A TOTAL DEVELOPED LENGTH OF 70 FEET.
  - PIPE SIZES BASED ON TABLE (402), (4)2) OF THE 2018 INTERNATIONAL FUEL GAS CODE AND SCHEDULE 40 METALLIC PIPE.

PLUMBING GAS RISER

SCALE  
N.T.S.

4

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SHEET TITLE	

PLUMBING RISER  
DIAGRAMS

SHEET NUMBER

P4.0



ABBREVIATIONS	
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER
CU	COPPER
DWG	DRAWING
E	EXISTING
EB	EQUIPMENT BOARD
E.C.	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
F	FUSE
FA	FIRE ALARM
FATC	FIRE ALARM TERMINAL CABINET
FACP	FIRE ALARM CONTROL PANEL
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND,G	GROUND
HACR	HEATING/AIR CONDITIONING-RATED
HD	HAND DRYER
HP	HORSEPOWER
IG	ISOLATED GROUND
J	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERE
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTS	MANUAL TRANSFER SWITCH
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
PNL	PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
REF	REFRIGERATOR
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
SWBD	SWITCHBOARD
TS	TIME SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHER PROOF
WR	WEATHER RESISTANT
XFMR	TRANSFORMER
NOT ALL ABBREVIATIONS WILL BE USED. USED FOR REFERENCE PURPOSES ONLY.	
COMMUNICATIONS LEGEND	
REFERENCE ARCHITECTURAL ELEVATION PLANS FOR DEVICE MOUNTING HEIGHT UNLESS OTHERWISE NOTED (UON).	
◀	DATA OUTLET - WALL MOUNTED - UON BOTTOM TO BOTTOM 15" AFF
◀(TEL)	TELEPHONE OUTLET - WALL MOUNTED - UON BOTTOM TO BOTTOM 15" AFF
◀	DATA/TELEPHONE OUTLET - WALL MOUNTED - UON BOTTOM TO BOTTOM 15" AFF (TO SHOW BOTH DATA/DATA FOR TELEPHONE LOCATIONS)
◻▼	FLUSH FLOOR BOX WITH THE FOLLOWING: (2) DATA CABLE (3) LEGRAND (EFB45S) FLOOR RECESSED JUNCTION BOX WITH COMMUNICATION INTERNAL ACCESSORIES AS REQUIRED FOR DATA DEVICES, TWO BLANK PLATES WITH (EFB4S) COVER PLATES IN BRUSHED ALUMINUM, CONTRACTOR TO FURNISH AND INSTALL FLOOR BOX AND ALL CONNECTORS, ETC. REFER TO SYSTEMS PLAN SHEET FOR LOCATION.
FIRE ALARM LEGEND	
◻D	IN-DUCT SMOKE DETECTOR - 120 VOLT - FURNISHED AND WIRED BY DIVISION 16 - INSTALLED BY DIVISION 15
◻RA	REMOTE ALARM INDICATOR WITH KEY OPERATED TEST SWITCH, LED, AND RESET - WALL MOUNT 60" AFF TO CENTER
◻R	RELAY - FOR UNIT SHUT-DOWN

GENERAL INFORMATION	
1. TEXT SHOWN ON PLANS ADJACENT TO LIGHTING FIXTURES SHALL DENOTE THE FOLLOWING: A - UPPERCASE LETTER INDICATES FIXTURE TYPE o - LOWERCASE LETTER INDICATES LIGHT SWITCH CONTROL 1 - NUMBER INDICATES BRANCH CIRCUIT NUMBER	
2. LIGHT FIXTURE HATCHING SHALL BE INTERPRETED AS FOLLOWS:	◻ NORMAL BRANCH CIRCUIT ◻ EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP
3. NUMBERS SHOWN ON PLANS ADJACENT TO WIRING DEVICES INDICATE BRANCH CIRCUIT NUMBER.	
4. STANDARD SYMBOLS SHOWN ON LEGEND MAY NOT APPEAR ON ALL PLANS. WHERE SYMBOL APPEARS ON PLANS FURNISH AND INSTALL AS SPECIFIED.	
LIGHTING LEGEND	
REFERENCE ARCHITECTURAL ELEVATION PLANS FOR DEVICE MOUNTING HEIGHT UNLESS OTHERWISE NOTED (UON).	
⊕	LIGHT FIXTURE: CEILING SURFACE-MOUNT OR PENDANT
⊕	LIGHT FIXTURE: WALL SURFACE-MOUNT
○ ◻	LIGHT FIXTURE: RECESSED DOWNLIGHT
◻◻	LIGHT FIXTURE: RECESSED 2x2 GRID
—	LIGHT FIXTURE: GRID-RECESSED LINEAR TROFFER
—	LIGHT FIXTURE: LINEAR SURFACE-MOUNT UPLIGHT
⊕	LIGHT FIXTURE: UNDERCABINET WITH INTEGRAL OCCUPANCY SENSOR
⊕	LIGHT FIXTURE: HORIZONTAL WALL-MOUNT WITH INTEGRAL OCCUPANCY SENSOR
⊕	LIGHT FIXTURE: VERTICAL WALL-MOUNT WITH INTEGRAL OCCUPANCY SENSOR
↻	EXIT SIGN INDICATING LIGHTED SIDE(S) AND EGRESS ARROW DIRECTION
⊕	BATTERY-POWERED TWIN HEAD EMERGENCY LIGHT FIXTURE
POWER LEGEND	
REFERENCE ARCHITECTURAL ELEVATION PLANS FOR DEVICE MOUNTING HEIGHT UNLESS OTHERWISE NOTED (UON).	
→	HOMERUN TO PANEL INDICATED (CONCEALED). MINIMUM 3/4" CONDUIT. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL CONDUCTORS. FOR HOMERUNS EXCEEDING 100' IN LENGTH PROVIDE #10 CONDUCTORS. FOR HOMERUNS EXCEEDING 150' IN LENGTH PROVIDE #8 CONDUCTORS. THERE SHALL BE A MAXIMUM OF 2 BRANCH CIRCUITS FOR SINGLE PHASE AND 3 BRANCH CIRCUITS FOR THREE PHASE PER HOMERUN (AS INDICATED ON THE PLANS). TEXT SHOWN BY HOMERUN INDICATES PANELBOARD DESIGNATION AND CIRCUIT NUMBER(S).
—	CONDUIT CONCEALED IN WALL OR ABOVE CEILING SPACE. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL. MINIMUM 1/2" CONDUIT.
- - -	UNDERGROUND OR BELOW SLAB CONDUIT. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL. MINIMUM 3/4" CONDUIT.
⊕	GROUNDING ELECTRODE CONDUCTOR AS INDICATED
⊕	CEILING OR WALL MOUNTED JUNCTION BOX - UON SIZE AS REQUIRED BY NEC
⊕	MOTOR AS INDICATED
◻SPD	SURGE PROTECTIVE DEVICE AS INDICATED
◻	PANELBOARD - BRANCH CIRCUIT TYPE - 120/208V
◻T ◻T	UTILITY TRANSFORMER AS INDICATED (PAD OR POLE MOUNTED)
⊕	METER SOCKET
⊕	NON-FUSIBLE DISCONNECT SWITCH - HEAVY DUTY - SEE SPECIFICATIONS - MOUNT TOP OF ENCLOSURE 66" AFF, (UON)
⊕	FUSIBLE DISCONNECT SWITCH - HEAVY DUTY - FUSED AS INDICATED ON PLANS - SEE SPECIFICATIONS - MOUNT TOP OF ENCLOSURE 66" AFF, (UON)
⊕	ENCLOSED CIRCUIT BREAKER - HEAVY DUTY - SEE SPECIFICATIONS - MOUNT TOP OF ENCLOSURE 66" AFF, (UON)
⊕	SINGLE RECEPTACLE - 20A, 120V - CENTER MOUNTED 18" AFF, (UON)
⊕	DUPLEX RECEPTACLE - 20A, 120V - CENTER MOUNTED 18" AFF, (UON)
⊕	DOUBLE DUPLEX RECEPTACLE - 20A, 120V - CENTER MOUNTED 18" AFF, (UON)
◻	FLUSH FLOOR BOX WITH THE FOLLOWING: (2) POWER AS SHOWN ON POWER PLAN SHEET (3) LEGRAND (EFB45S) FLOOR RECESSED JUNCTION BOX WITH POWER AND INTERNAL ACCESSORIES AS REQUIRED FOR TWO 120V DUPLEX RECEPTACLES AND TWO BLANK PLATES WITH (EFB4S) COVER PLATES IN BRUSHED ALUMINUM, CONTRACTOR TO FURNISH AND INSTALL FLOOR BOX AND ALL OUTLETS, CONNECTORS, ETC. REFER TO POWER PLAN SHEET FOR LOCATION.

SECURITY LEGEND	
REFERENCE ARCHITECTURAL ELEVATION PLANS FOR DEVICE MOUNTING HEIGHT UNLESS OTHERWISE NOTED (UON).	
◻KS	KEY SWITCH - MOUNTED IN DOOR JAMB
◻CR	CARD READER - UON BOTTOM MOUNTED
◻PB	PUSH BUTTON ACTUATOR - UON BOTTOM MOUNTED
◻KP	KEY PAD - UON BOTTOM MOUNTED
◻ES	ELECTRIC STRIKE - MOUNTED ON DOOR
⊕TM	AUTOMATIC TELLER MACHINE
⊕D	AHD - AFTER HOURS DEPOSITORY
⊕C	ALARM TCD - TELLER CASH DISPENSER
◻AL	ALARM LIGHT/LAMP @ 80" A.F.F., U.O.N.
⊕V	VAULT
⊕	HUB - HOLDUP BUTTON WHUB - WIRELESS HOLDUP BUTTON
◻DSS	ALARM SHUNT SWITCH
◻MSP	MAIN SECURITY PANEL
◻JB/M	JUNCTION BOX/MAIN
◻VSS	VIDEO SWITCHER
◻VT	VIDEO TIMER
◻VM	VIDEO MONITOR
◻R	RADIO @ 12" ABOVE CEILING, (UON)
◻IC	INTERNAL ATM CAMERA
NOTE: SECURITY/COMMUNICATION SYSTEM E.C. TO PROVIDE ROUGH-IN @ CONCEALED SPACES; ROUGH-IN TO CONSIST OF 3/4" CONDUIT, 4x4 BOXES AND SINGLE GANG RINGS (VERTICAL). LOW VOLTAGE VENDOR TO PROVIDE AND INSTALL SECURITY CABLING. COORDINATE WITH SECURITY VENDOR.	
SWITCHING LEGEND	
REFERENCE ARCHITECTURAL ELEVATION PLANS FOR DEVICE MOUNTING HEIGHT UNLESS OTHERWISE NOTED (UON).	
\$	SINGLE POLE SWITCH - 20A, 120V - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS
\$o	SINGLE POLE SWITCH - 20A, 120V - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS LOWERCASE LETTER INDICATES SWITCHING DESIGNATION
\$2	DOUBLE POLE SWITCH - 20A, 120V - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS LOWERCASE LETTER INDICATES SWITCHING DESIGNATION
\$3	THREE WAY SWITCH - 20A, 120V - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS LOWERCASE LETTER INDICATES SWITCHING DESIGNATION
\$4	FOUR WAY SWITCH - 20A, 120V - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS LOWERCASE LETTER INDICATES SWITCHING DESIGNATION
\$K	KEYED SWITCH - 20A, 120V - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS LOWERCASE LETTER INDICATES SWITCHING DESIGNATION
\$D	DIMMER SWITCH - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS LOWERCASE LETTER INDICATES SWITCHING DESIGNATION
\$M	MOTOR RATED SWITCH WITH TOL - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS
\$T	TIMER DELAY SWITCH - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS
◻TS	TIME SWITCH AS INDICATED - UON MOUNT TOP OF ENCLOSURE 66" AFF
◻PC	PHOTO CELL - COORDINATE MOUNTING LOCATION WITH ARCHITECT
◻	LIGHTING CONTACTOR - ELECTRICALLY HELD - NUMBER OF POLES AS NEEDED
◻OC	OCCUPANCY SENSOR - WALL MOUNTED - SEE SPECIFICATIONS - REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHTS
⊕OC	OCCUPANCY SENSOR - CEILING MOUNTED - SEE SPECIFICATIONS
◻WAPM	WIRELESS ADAPTER (WA100-PM)
◻WGA	WIRELESS GENERAL ADAPTER (WGA 100)
◻S	WIRELESS WALL DIMMER (WWD1)
◻RM	WIRELESS PIR (WOS2-RM-E)

GENERAL NOTES:	
1.	REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR ELECTRICAL SYSTEM DEVICE AND FIXTURE LOCATIONS AND ADDITIONAL INFORMATION ON BUILDING ENVELOPE FIXTURES AND DEVICES.
2.	ALL LINE- AND LOW-VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT SYSTEMS CONFORMING TO PROJECT MANUAL SPECIFICATIONS SECTION 260531. THE FOLLOWING CONDUITS ARE PERMITTED; • GALVANIZED RIGID CONDUIT (GRC); HOT DIPPED GALVANIZED RIGID STEEL WITH THREADED ENDS, MEET ASTM STANDARD A-153 GALVANIZED AFTER FABRICATION. • INTERMEDIATE METAL CONDUIT (IMC); RIGID MILD STEEL TUBE WITH WELDED SEAMS, HOT DIPPED GALVANIZED WITH THREADED ENDS. • THIN WALL: ELECTRO-GALVANIZED ELECTRICAL METALLIC TUBING (EMT). CONDUITS MUST ALSO BE: • FLEXIBLE: ALLOWED WITH-IN 4'-0" FLEXIBLE CONNECTION ONLY. HOT DIPPED GALVANIZED MATERIAL OF MILD STEEL OF UNIFORM WIDTH AND THICKNESS. • FLEXIBLE LIQUID TIGHT; ALLOWED WITH-IN 4'-0" FLEXIBLE CONNECTION ONLY. HOT DIPPED GALVANIZED MATERIAL OF MILD SHELL OF UNIFORM WIDTH AND THICKNESS WITH EXTRUDED MOISTURE AND OIL PROOF PVC JACKET.
3.	ALL CONDUIT SYSTEMS CONFORMING TO PROJECT MANUAL SPECIFICATIONS SECTION 260531 MUST BE UTILIZED WITH APPROPRIATE CONDUIT FITTINGS; • GRC CONDUIT: THREADED TYPE. • IMC CONDUIT: THREADED TYPE. • THIN WALL OR EMT: RAIN-TIGHT AND CONCRETE-TIGHT, GLAND COMPRESSION TYPE, INSULATED NYLON THROAT WITH DIE-CAST BODY AND STEEL NUT. APPLETON TYPE 86T SERIES OR EQUAL. FOR CONDUIT SIZES 3" AND LARGER (WHERE NOT REQUIRED TO BE RAIN OR CONCRETE TIGHT) SET-SCREW TYPE IS ACCEPTABLE. • FLEXIBLE CONDUIT: SINGLE OR TWO PIECE SQUEEZE TYPE. • FLEXIBLE LIQUID TYPE: COMPRESSION TYPE.
4.	ALL LINE- AND LOW-VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT SYSTEMS CONFORMING TO PROJECT MANUAL SPECIFICATIONS SECTION 260531. ARMORED AND METAL-SHEATHED CABLES (GENERICALLY "BX"), TYPES AC AND MC, AND NON-METALLIC SHEATHED CABLES (GENERICALLY "ROMEX"), TYPES NM, NMC, AND NMS, ARE NOT PERMITTED.
5.	ALL ENDS OF CONDUIT SHALL HAVE BUSHING OR A COUPLING INSTALLED FOR THE PURPOSE OF PROVIDING PROTECTION OF CONDUCTORS. IN NO CASE ARE CONDUIT ENDS PERMITTED TO REMAIN OPEN.
6.	ALL LOW VOLTAGE WIRING IN INACCESSIBLE AREAS SHALL BE INSTALLED IN METALLIC CONDUIT.
7.	CONDUIT SYSTEMS INSTALLED ON THE ROOF SHALL BE INSTALLED IN METALLIC CONDUIT AND SUPPORTED EVERY FIVE FEET.
8.	ALL WIRING FOR THE PURPOSE OF EMERGENCY SYSTEMS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM INDEPENDENT OF OTHER SYSTEMS.
9.	THERE SHALL BE SEPARATE IDENTIFIED NEUTRAL INSTALLED FOR EACH EMERGENCY LIGHTING CIRCUIT AND/OR EXIT LIGHTING CIRCUIT.
10.	SECURELY FASTEN EACH RECESSED GRID LIGHT FIXTURE TO THE CEILING SYSTEM WITH APPROPRIATE SUPPORT BRACKETS AND CLIPS PER INDUSTRY STANDARDS. AT LEAST TWO CORNERS OF EACH FIXTURE SHALL BE SUPPORTED INDEPENDENTLY FROM ANY OTHER SUPPORTING SYSTEM.
11.	REFER TO ARCHITECTURAL DRAWINGS FOR ALL LIGHT FIXTURE LAMP ORIENTATION.
12.	ALL LIGHTING SHALL BE PROTECTED BY A MAXIMUM 20 AMP CIRCUIT BREAKER.
13.	COORDINATE WITH SPECIFICATION 260519 THAT LOW VOLTAGE CONDUCTOR AND CABLE IS COMPLIANT. SHALL CONTAIN A PROPERLY SIZED GREED GROUND CONDUCTOR AND SHALL NOT EXCEED SIX FEET (6') IN LENGTH.
14.	ALL BRANCH CIRCUIT CONDUCTORS SHALL BE CONNECTED BY MEANS OF A SCREW TERMINAL.
15.	THE CONTINUITY OF ANY BRANCH CIRCUIT CONDUCTOR INCLUDING ANY IDENTIFIED GROUNDED CONDUCTOR SHALL NOT DEPEND UPON DEVICE CONNECTIONS, SUCH AS LAMPHOLDERS, RECEPTACLES, ETC., WHERE THE REMOVAL OF SUCH DEVICES WOULD INTERRUPT THE CONTINUITY.
16.	DE-RATING OF THE NEUTRAL IS PROHIBITED.
17.	THE USE OF AUXILIARY GUTTERS, WIREWAYS, RACEWAYS, AS ENCLOSURES FOR SERVICE ENTRANCE OR TAPPING OF SERVICE ENTRANCE CONDUCTORS IS STRICTLY PROHIBITED.
18.	METAL IDENTIFICATION TAGS SHALL BE INSTALLED WHERE THE GROUNDING CONDUCTOR IS CONNECTED TO THE GROUNDING ELECTRODE.
19.	ALL POWER, DATA AND SECURITY CONDUIT CONNECTIONS TO SYSTEMS FURNITURE PANELS SHALL BE BY THE ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATIONS AND CONNECTION REQUIREMENTS WITH OWNER'S SYSTEMS FURNITURE VENDOR PRIOR TO ROUGH-IN. INSTALL FLUSH JUNCTION BOXES AT 8" MIN. AFF AND PROVIDE FLEXIBLE CONDUIT TO PARTITIONS SYSTEM RACEWAY.
20.	REFER TO ARCHITECTURAL DRAWINGS FOR ORIENTATION OF POWER, DATA AND SECURITY SYSTEMS JUNCTION BOXES AND MUD RINGS.
21.	REFER TO ARCHITECTURAL DRAWINGS FOR ELECTRICAL, DATA, AND SECURITY DEVICE AND COVER PLATE COLORS.
22.	ISOLATED GROUND RECEPTACLES SHALL BE ORANGE.
23.	PENETRATIONS OF FLOORS, ROOF, WALLS AND WALL MEMBRANES REQUIRED TO HAVE FIRE-RESISTANCE RATINGS SHALL BE PROTECTED WITH THROUGH-PENETRATION FIRE STOPS SUITABLE FOR THE METHOD OF PENETRATION. MAINTAIN ALL FIRE RATINGS. THROUGH-PENETRATIONS FIRE STOPS SHALL BE TESTED IN ACCORDANCE WITH UL AND BUILDING CODE REQUIREMENTS.
24.	ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENTLY ENFORCED NATIONAL ELECTRICAL CODE (NEC).
25.	UNLESS OTHERWISE DICTATED BY APPLICABLE CODES OR THE AHJ, ALL MATERIALS WITHIN RETURN AIR PLENUM MUST BE NONCOMBUSTIBLE AND/OR HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX NOT MORE THAN 50 IN ACCORDANCE WITH ATSM E 84 TESTING.
26.	THE ELECTRICAL/DATA ROOM MUST BE 100% COMPLETE AT A MINIMUM OF 45 DAYS PRIOR TO CONSTRUCTION COMPLETION/TURNOVER DATE.
27.	UNLESS OTHERWISE NOTED, ALL RECEPTACLES SHALL BE MOUNTED AT 18" AFF. REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS.
28.	E.C. TO PROVIDE LABELS ON ALL RECEPTACLES (ELECTRICAL, DATA, AND SECURITY). COORDINATE LABEL NAMING CONVENTIONS WITH OWNER PRIOR TO INSTALLATION.

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HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

CORE STATES  
GROUP  
CORESTATES, INC.  
46 East Main Street Suite 201  
Somerville, NJ 08876  
908.442.9700  
www.core-states.com

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STATE OF MISSOURI  
Professional Engineer  
01/19/2021

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MISSOURI  
LICENSE #: 2008014085

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DRAWN BY:	D. BORELLI	
CHECKED BY:	D. MULVANEY	
VERSION:	SE_1.00	

SHEET TITLE

LEGEND,  
ABBREVIATIONS  
AND NOTES

SHEET NUMBER

E0.0







FIGURE 1: LIGHTING ZONE/CIRCUIT ON/OFF CONTROL

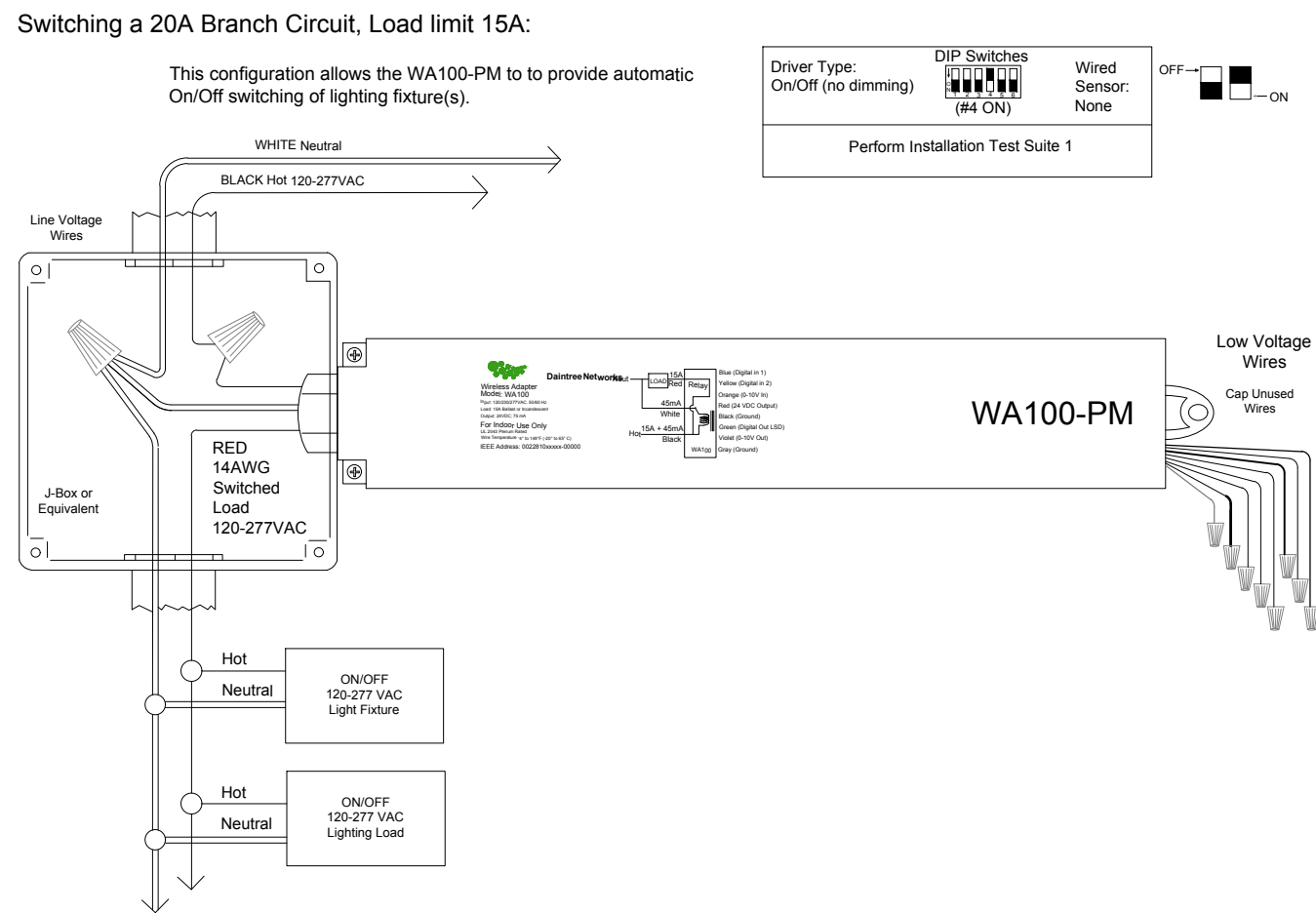


FIGURE 2: LIGHTING ZONE DIMMING WITH PHASE CONVERTOR MODULE

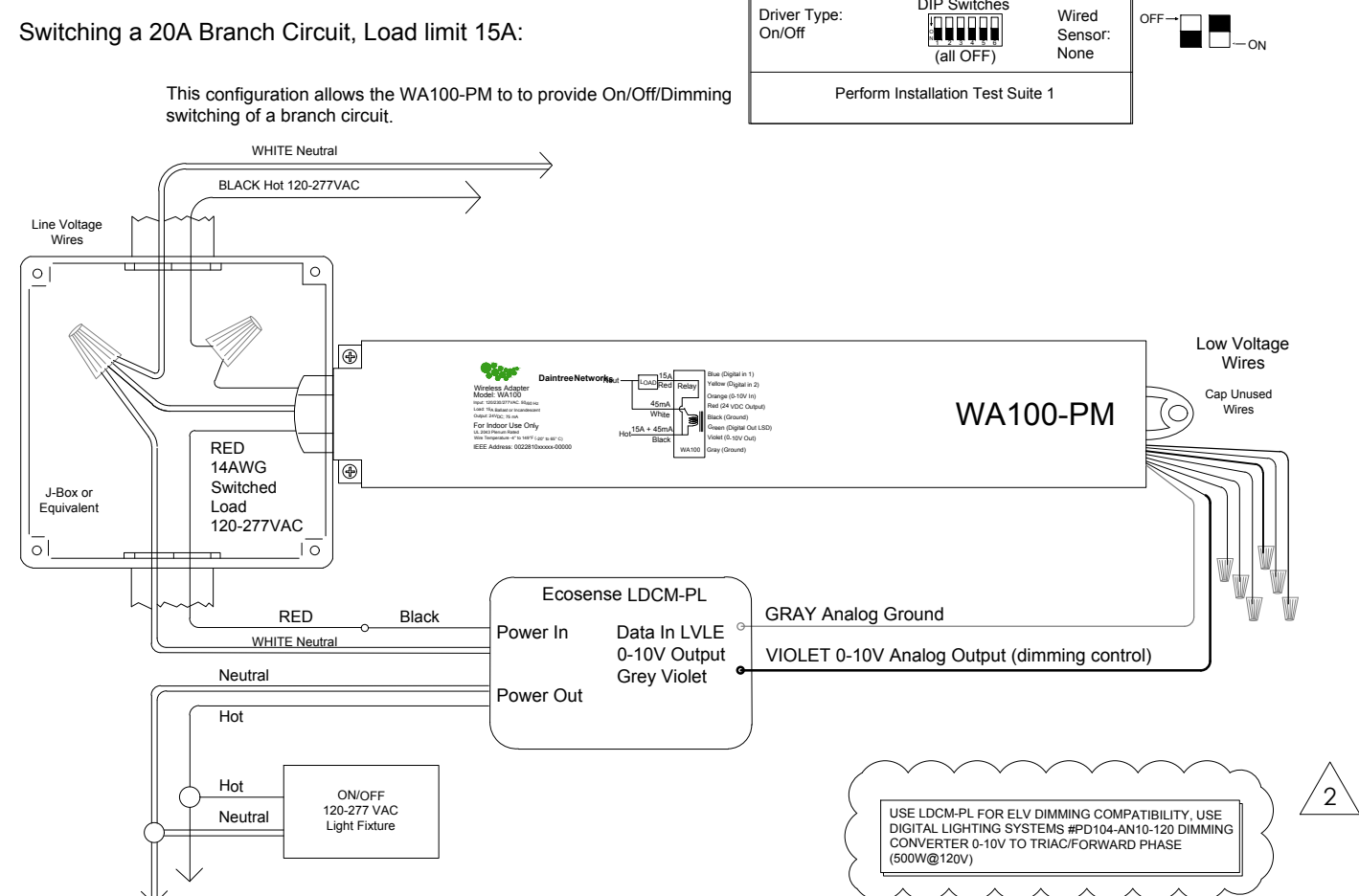


FIGURE 4: WA100-PM WITH (EXTERIOR) PHOTOCELL

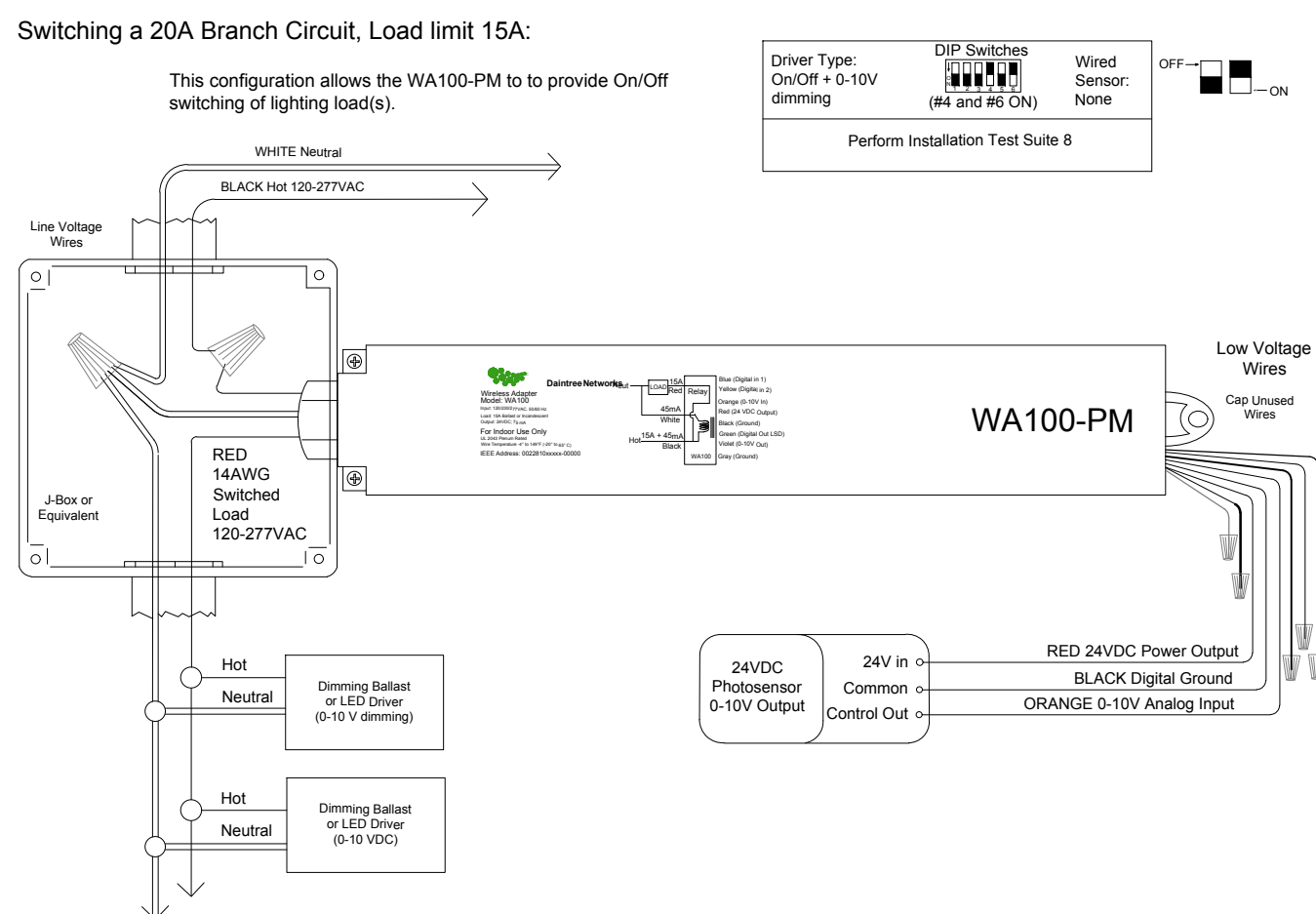


FIGURE 5: DIMMING LIGHT FIXTURE(S) CONFIGURATION

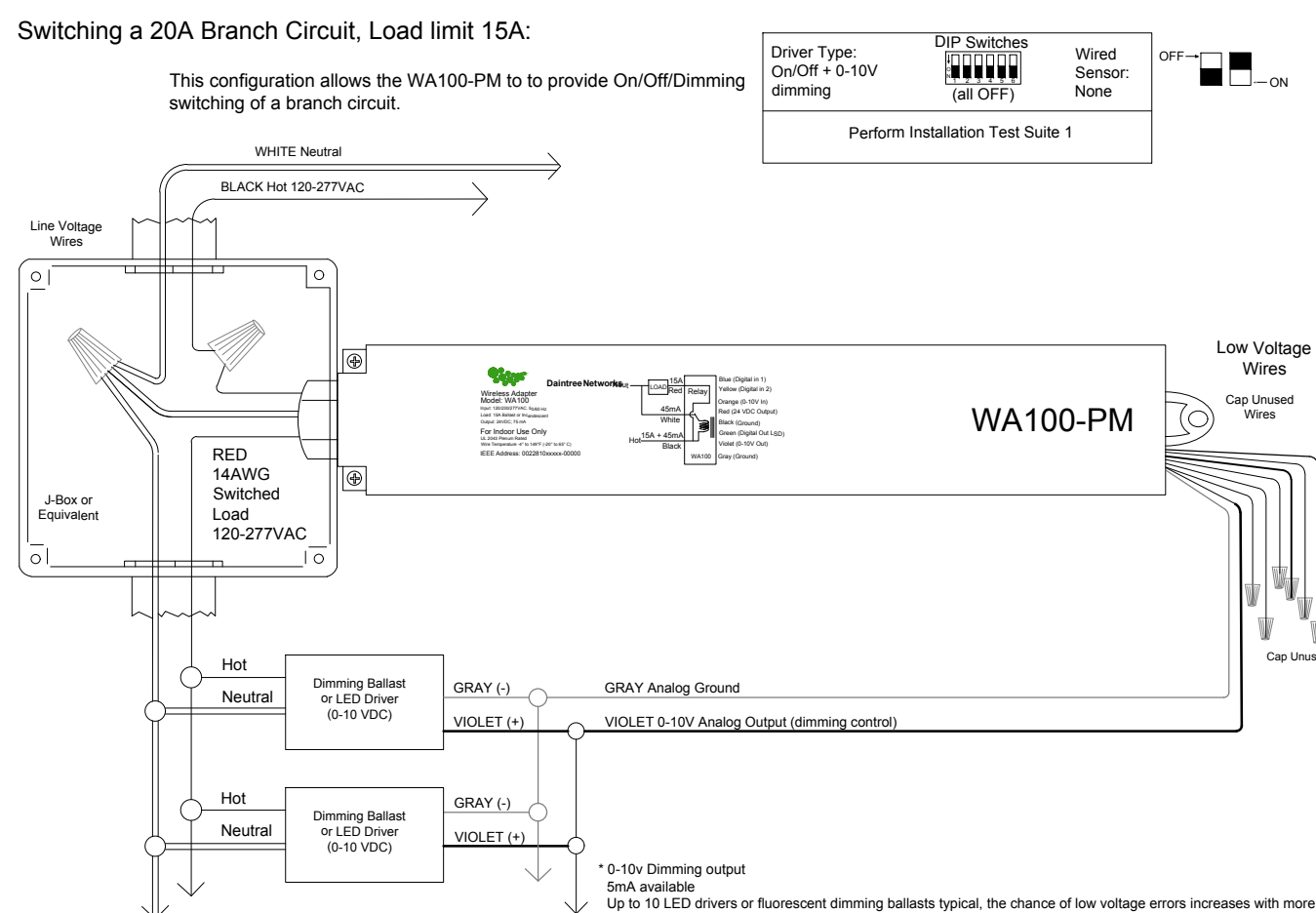


Fig. 6: Dimming Light Fixture(s), Photosensor configuration:

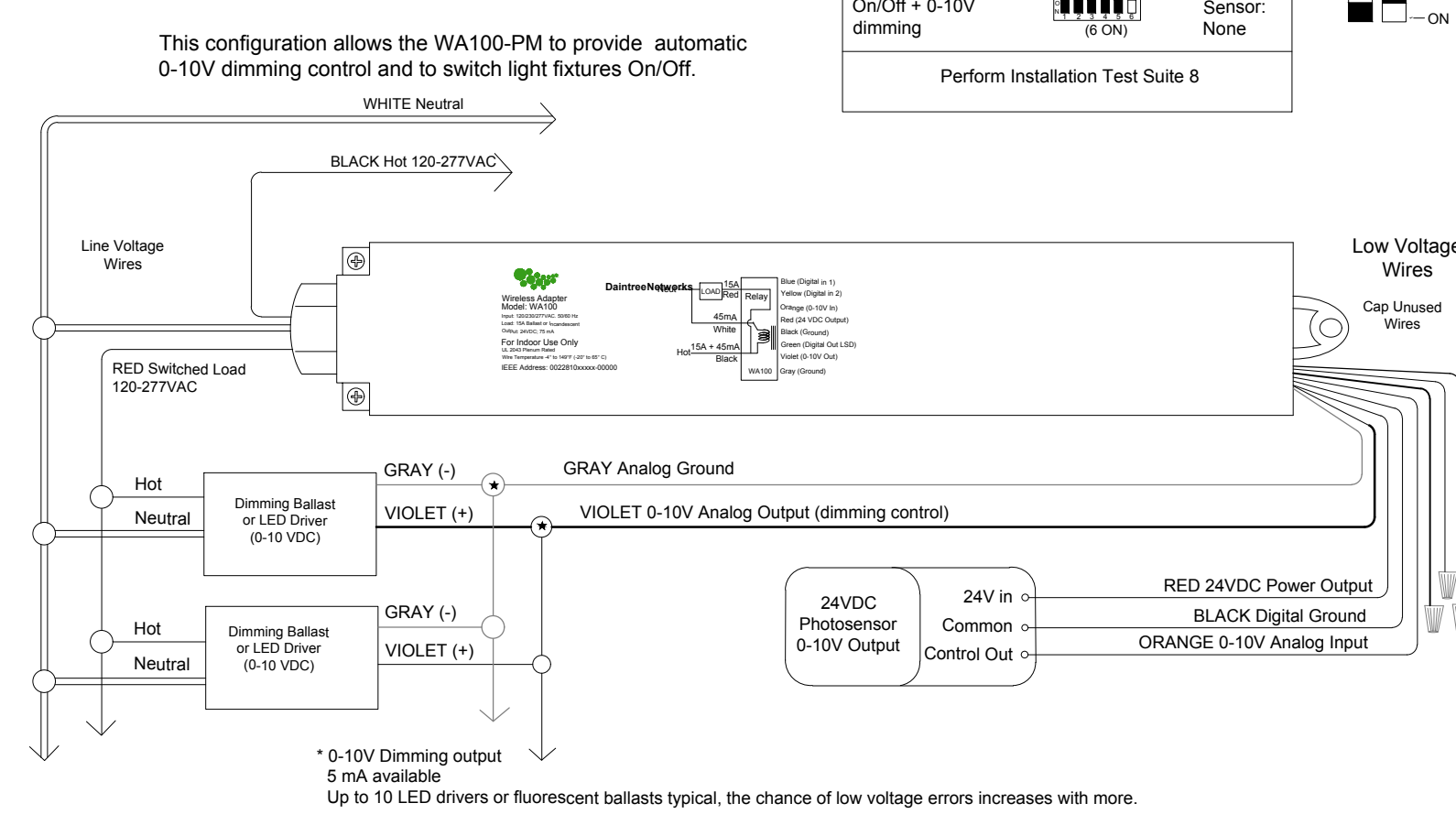


FIGURE 7: WGA100 WITH LEAK DETECTION SENSOR

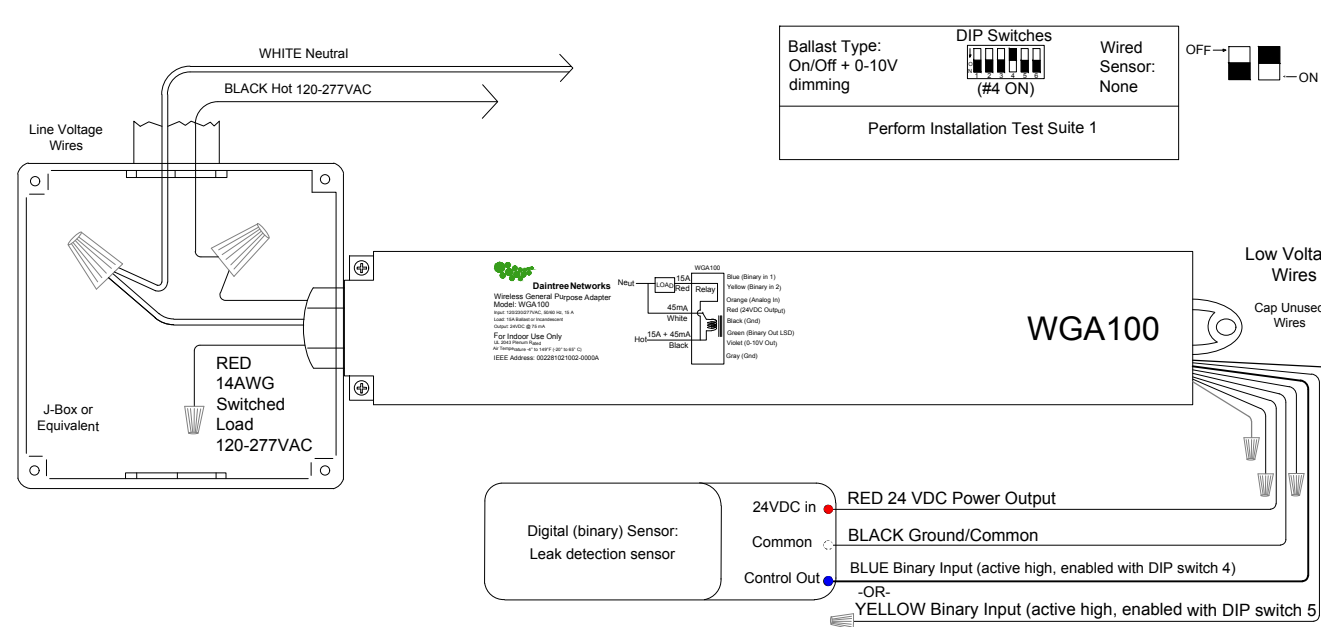


FIGURE 8A: WSA10 FOR HUMIDITY AND CO2 SENSORS

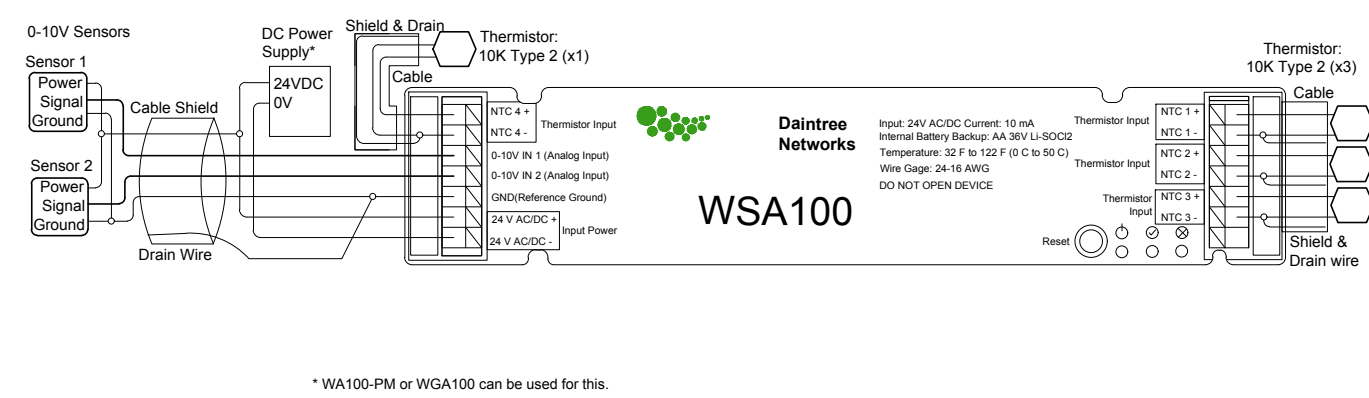


FIGURE 8B: WGA100 ANALOG INPUT CONFIGURATION WITH SELF-POWERED FAN CT

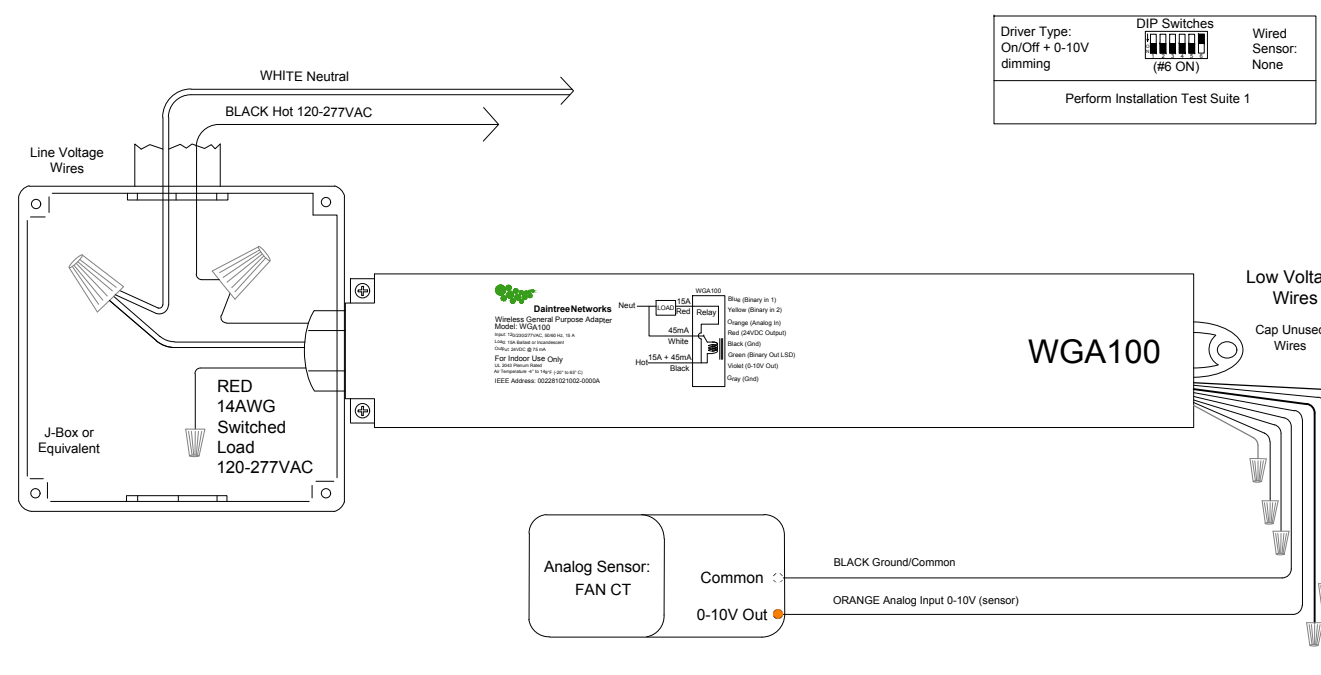


FIGURE 12: 208 V 2-POLE (PHASE-TO-PHASE) WIRING.

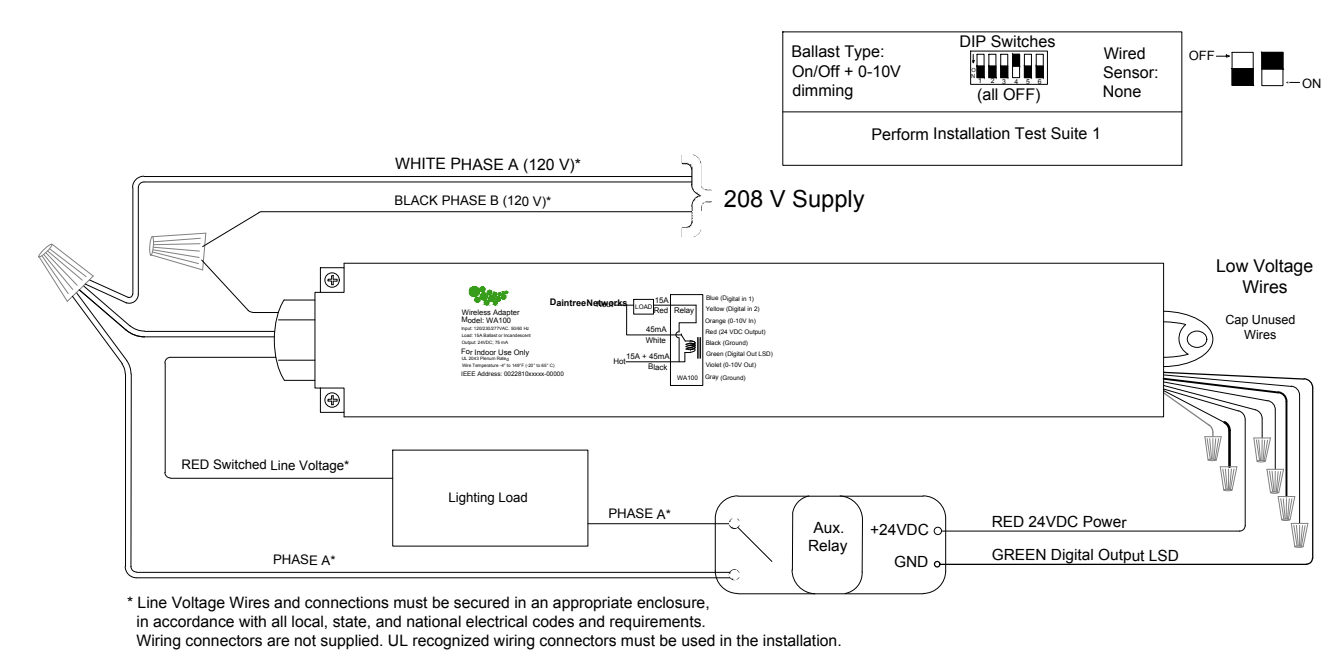


FIGURE 9A: WA100-PM DIMMING CONFIGURATION W/ AUXILIARY RELAY FOR PLUG LOAD CONTROL

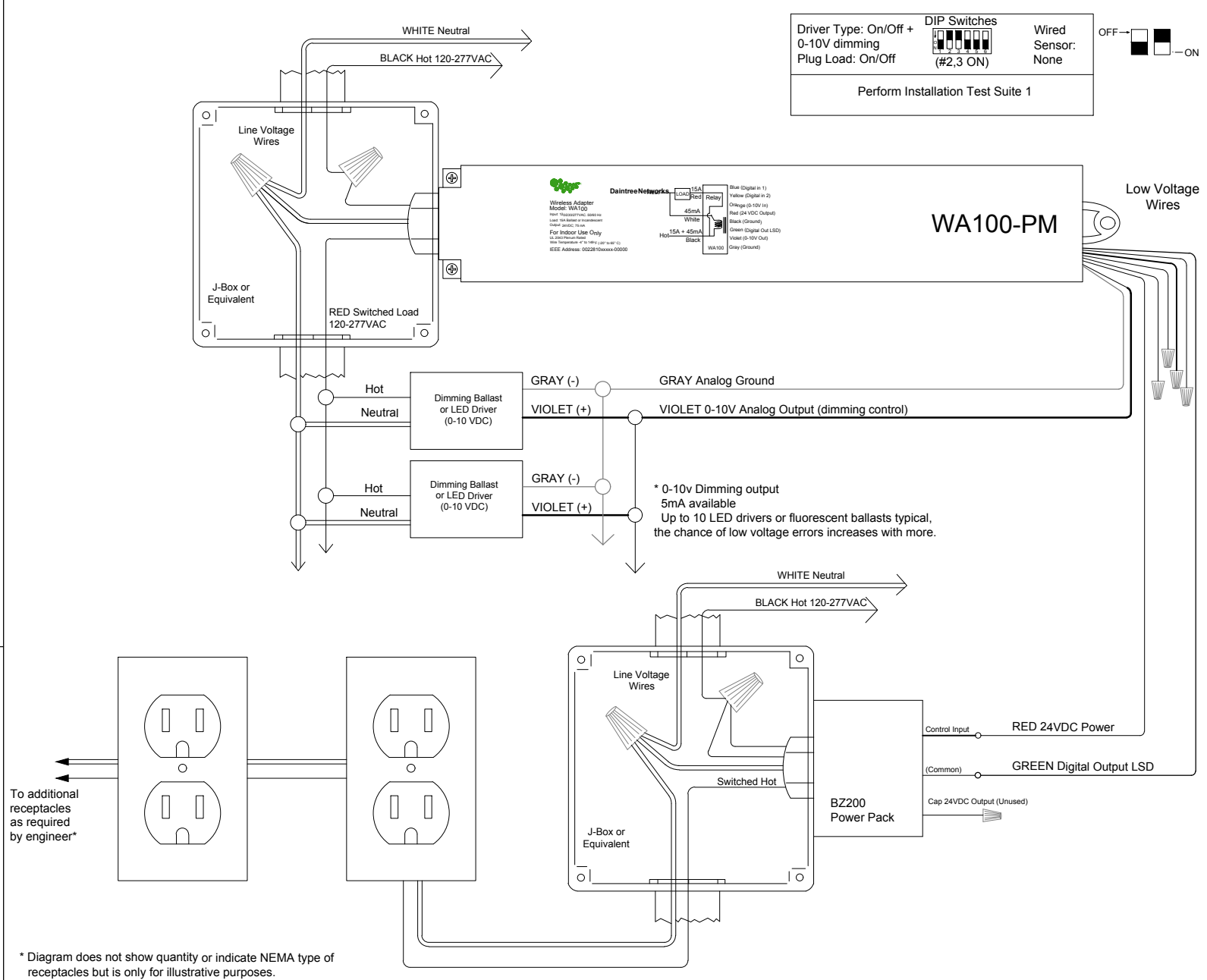


FIGURE 9A: WA100-PM DIMMING CONFIGURATION W/ AUXILIARY RELAY FOR PLUG LOAD CONTROL

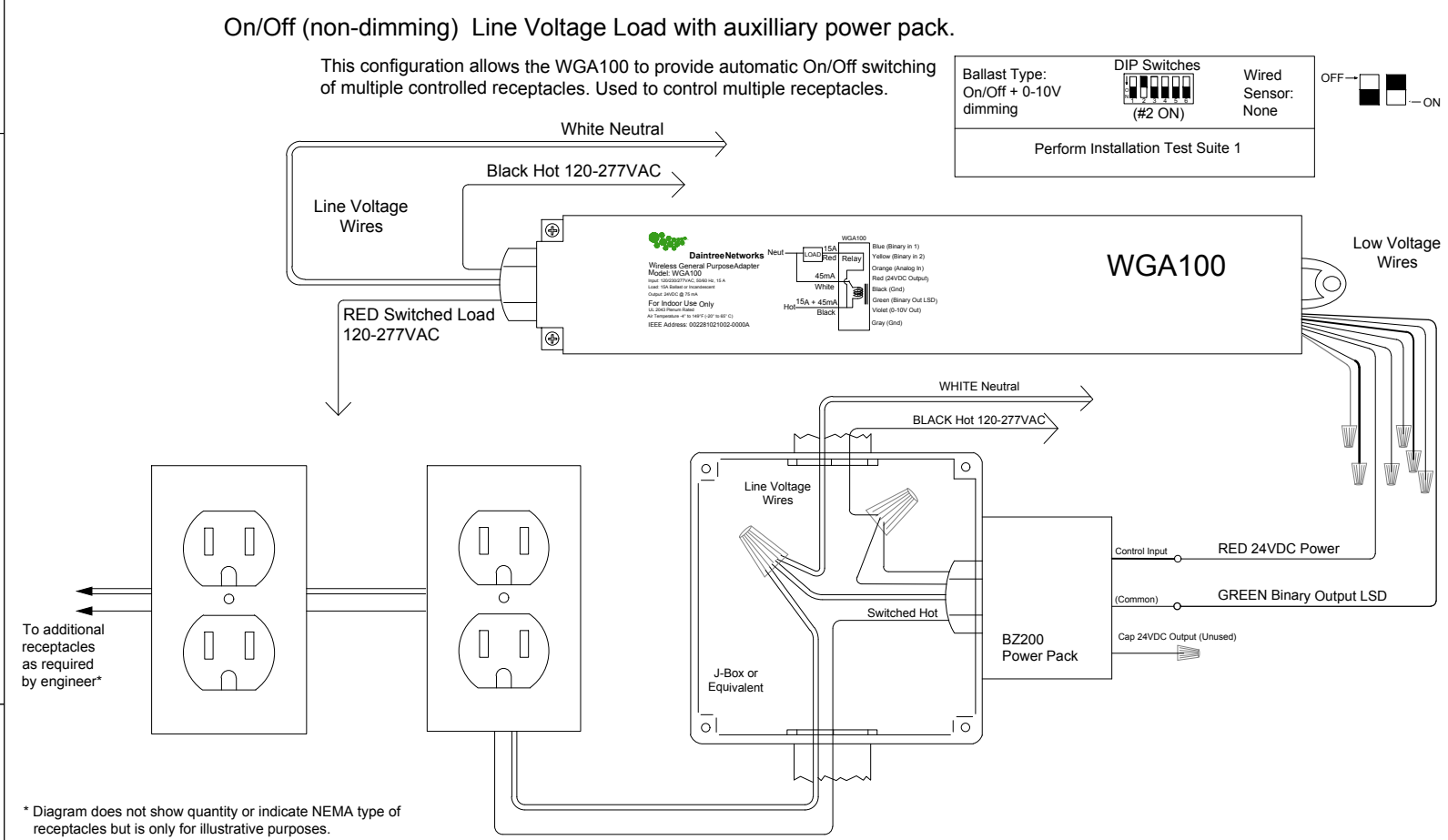


FIGURE 10: 15A NON-LIGHTING LOAD CONFIGURATION

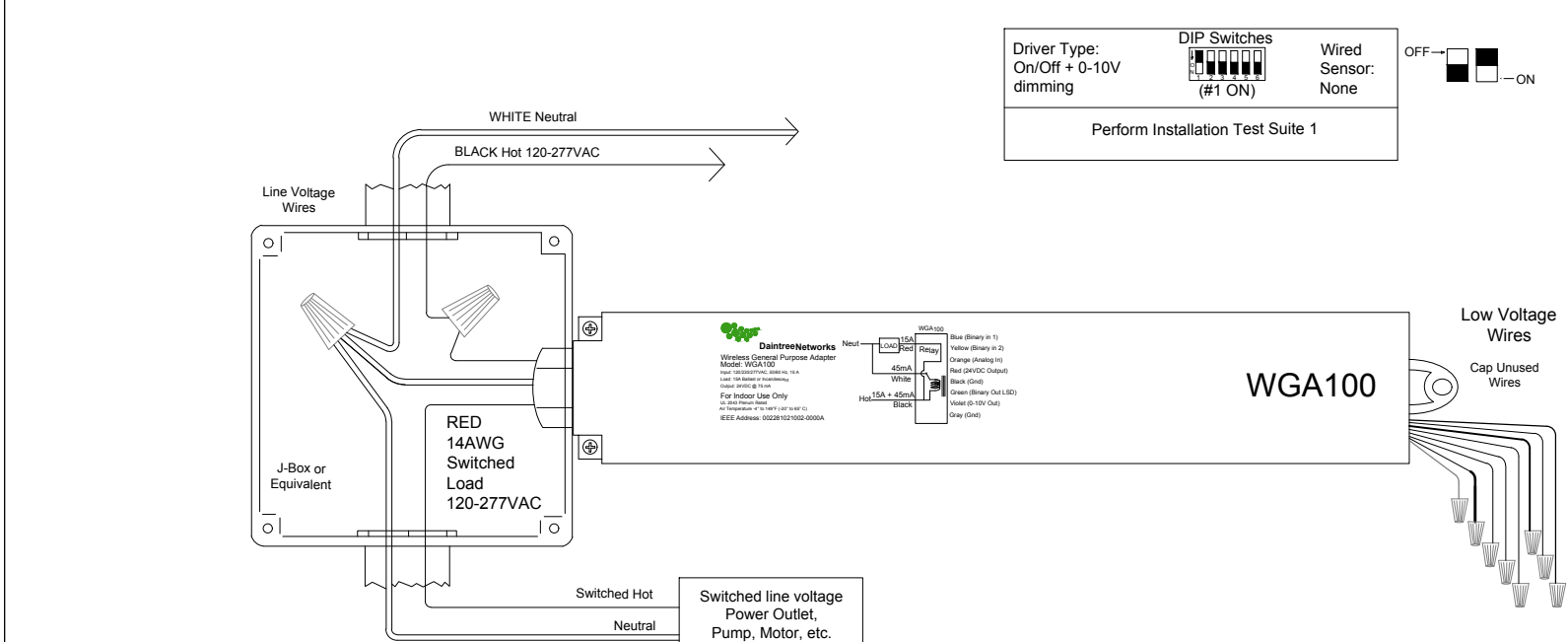
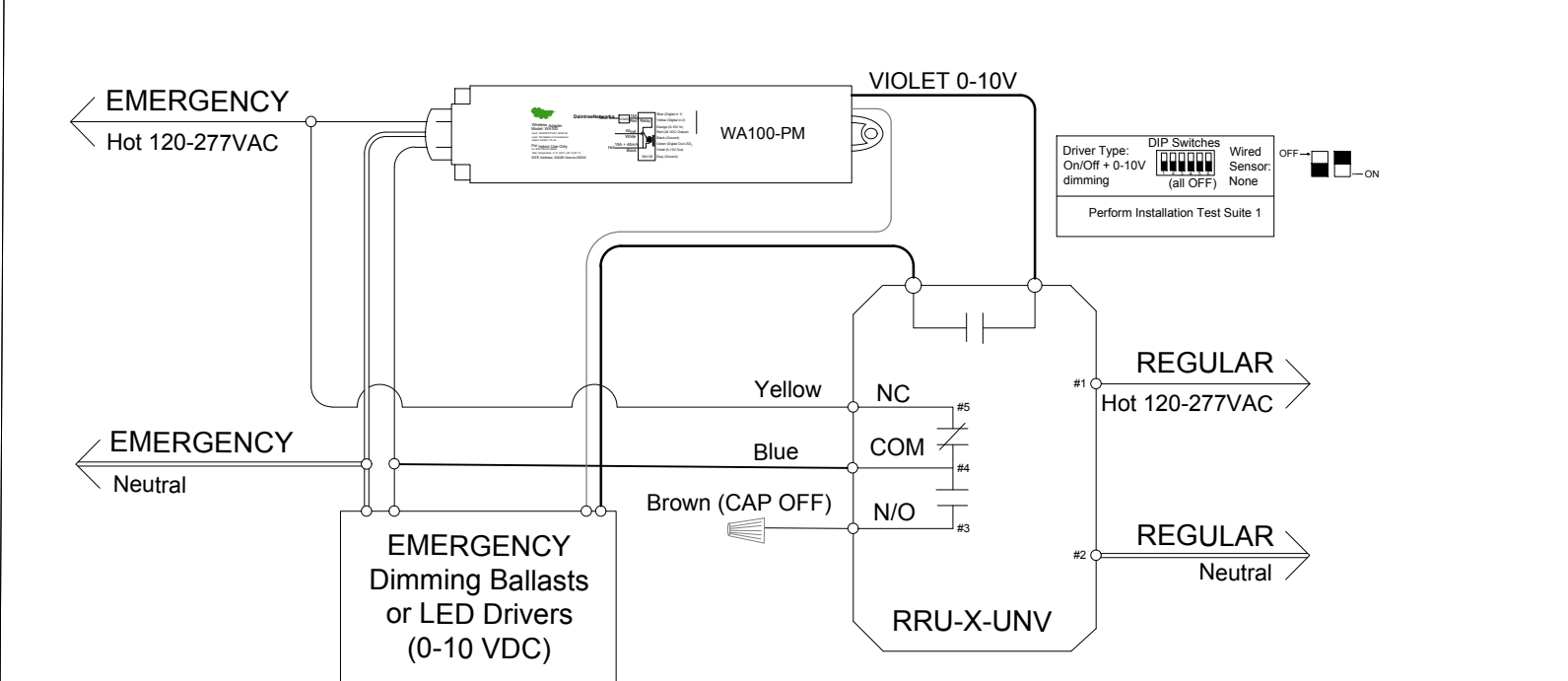


FIGURE 11: WA100-PM DIMMING CONFIGURATION FOR EMERGENCY ZONES USING SHUNT RELAY RRU-X-UNV



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890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
46 East Main Street Suite 201  
Somerville, NJ 08876  
908-442-9700  
www.core-states.com

ENGINEER OF RECORD

STATE OF MISSOURI  
Professional Engineer  
06/01/2021

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JOHN FERGUSON, P.E.  
MISSOURI  
LICENSE #: 2008014085

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-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

PROJECT INFORMATION

PROJECT NO:	JPM.27135.001
DATE:	2020.12.21
PROTOTYPE:	20.2
DRAWN BY:	D. BORELLI
CHECKED BY:	D. MULVANEY
VERSION:	SE 1.00

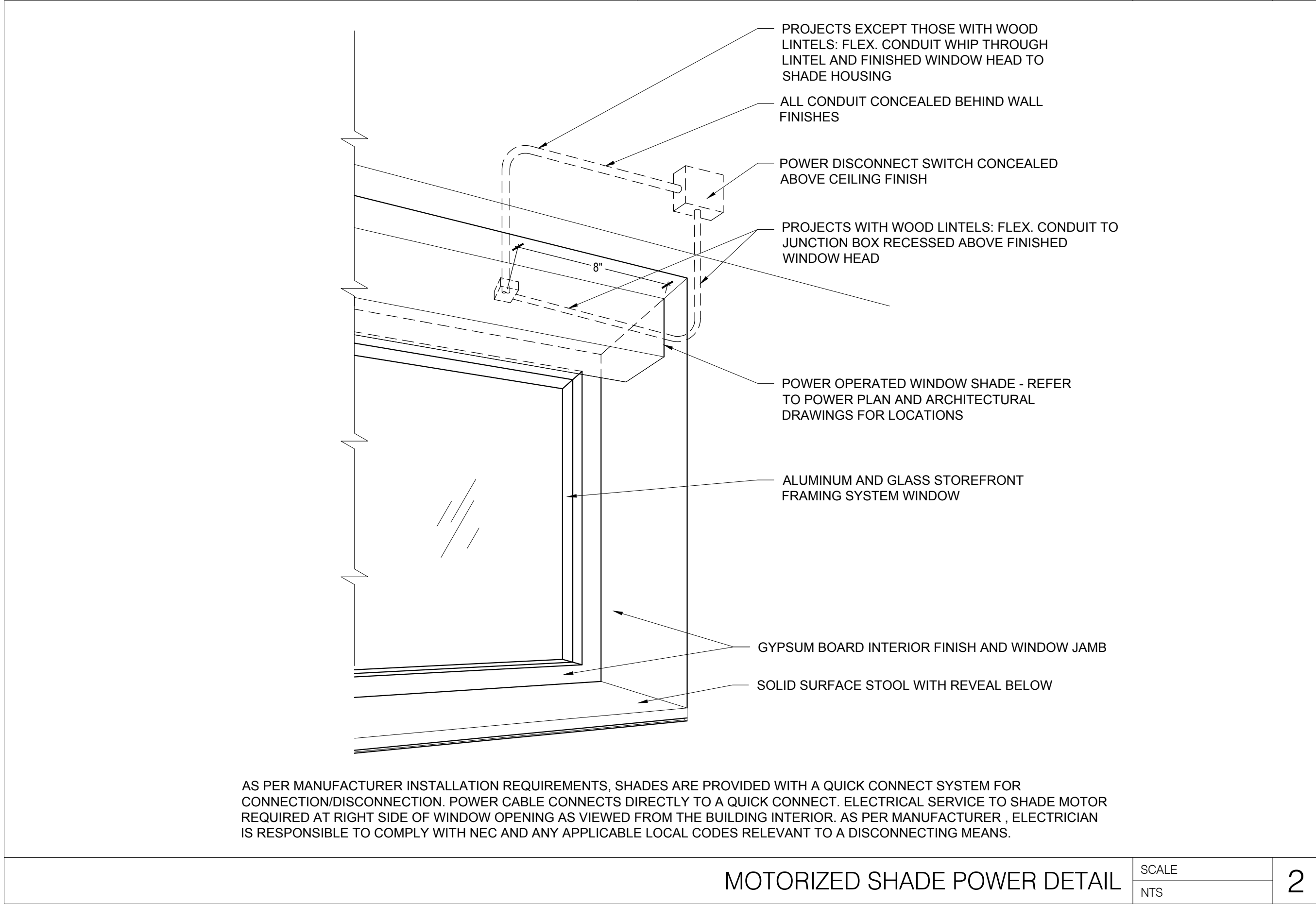
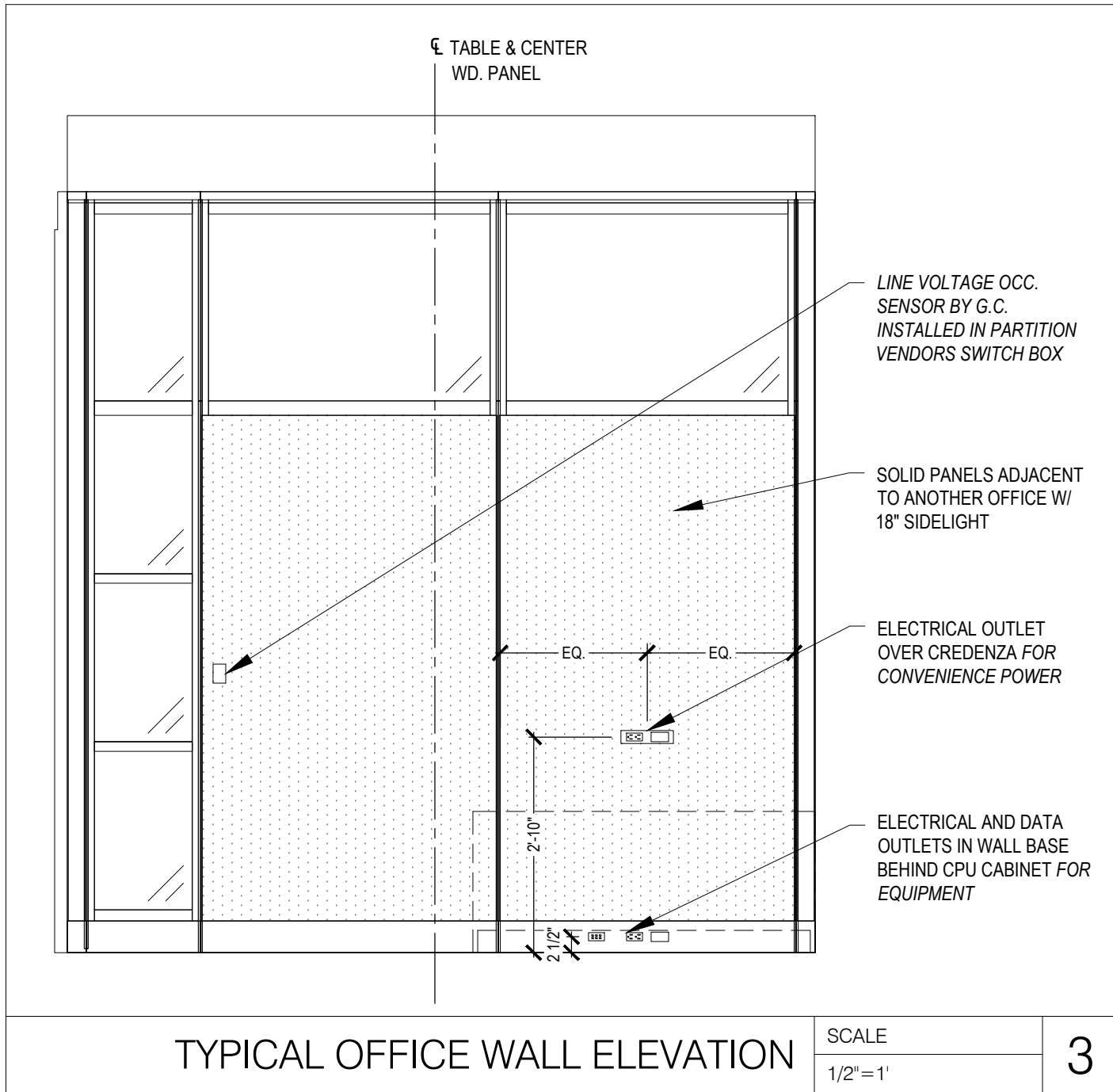
SHEET TITLE

BMS DEVICE  
WIRING DIAGRAMS

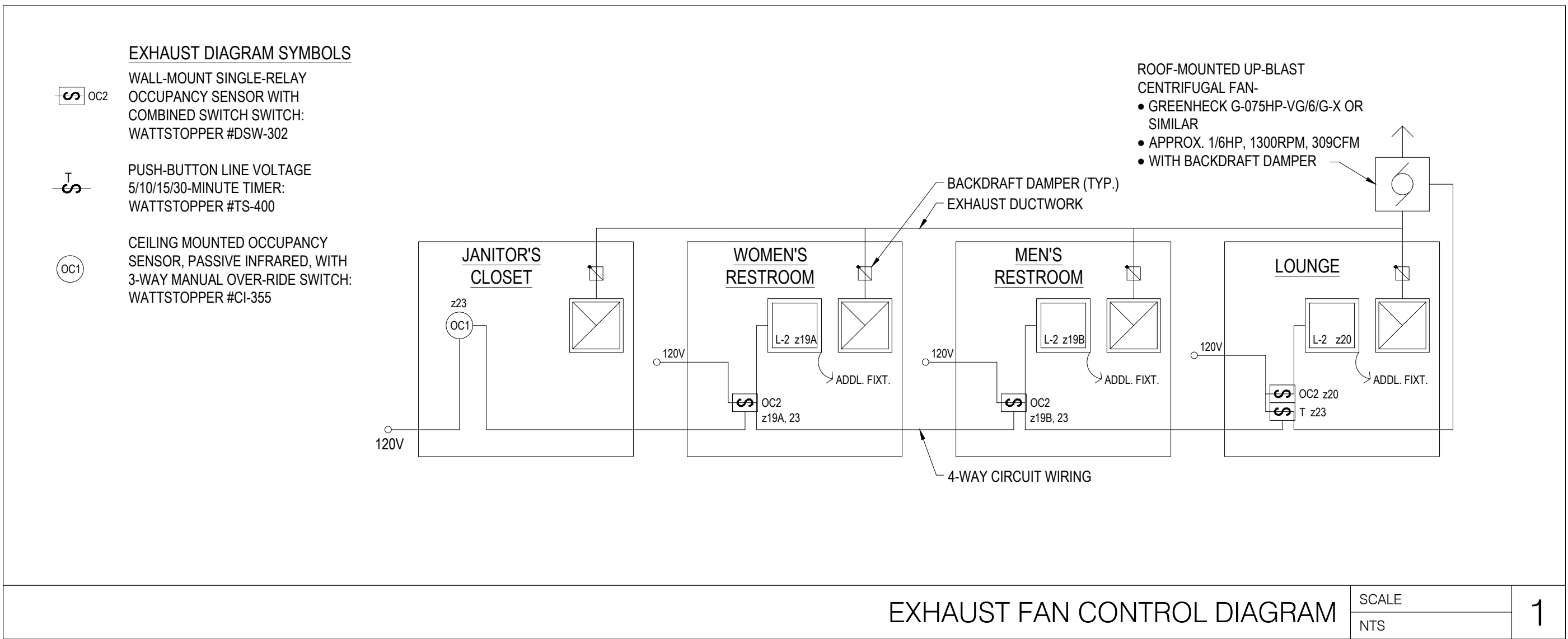
SHEET NUMBER

E0.2





LIGHT FIXTURE SCHEDULE							
TAG	MANUFACTURER	CATALOG NUMBER	QUANTITY	MOUNTING	VOLT	VA	DESCRIPTION
CL1	C-LITE	C-CP-B-SQ-4L-50K-WH	2	CANOPY RECESSED	120	36	EXTERIOR DRIVE-UP SEMI-RECESSED 36W 5000K LED DOWNLIGHT
L2	GE	LBT220A033MM835VQLTWHTE	13	RECESSED	120	26	2X2 RECESSED LENSED 3500K LED TROFFER
L2-EM	GE	LBT220A033MM835VQLTWHTE-EL	10	RECESSED	120	26	L2 FIXTURE WITH EMERGENCY LIGHT DRIVER
L3	FINELITE	(2) UC-E-ZZ-SILVER-PS-Z1W-OCC	4	UNDERCABINET	120	(2) 21	(2) 22" LED UNDERCABINET LIGHT W/ OCCUPANCY SENSOR
L4	LUMIERE	9004-W2-RW-LED-4080-W-W-CS-L1-UNV-WIS	6	WALL SCONCE	120	(2) 10	LANTERRA UP/DOWN SCONCE WITH INTEGRAL LED DRIVER
L5	iGUZZINI	1.BU27-REM-01 + 4549-0350-019-UNV-ED10	2	WALL	120	6	TRICK 360° BLADE EFFECT-90mm WITH CUSTOM BLUE LAMP, WHITE, SINGLE REMOTE 19W 0-10V DIMMING POWER SUPPLY SHARED BY TWO FIXTURES, SCREEN LENS TO ILLUMINATE ADJ. WALL AND CEILING ONLY
L7R	LF ILLUMINATION	5811-1SA-T-20L-8040-W-D2-1-BB	1	CANOPY RECESSED	120	9.4	4" ROUND LED LENSED DOWNLIGHT - WET RATED (FOR INSTALLATIONS IN MAPES ENTRANCE CANOPY)
L7R-EM	LF ILLUMINATION	5811-1SA-T-20L-8040-W-D2-1-BB-EM	4	CANOPY RECESSED	120	9.4	L7 FIXTURE CONNECTED TO EMERGENCY INVERTER - REFER TO ELECTRICAL LIGHTING PLAN FOR INVERTER INFORMATION
L8	GE	ALC6-1-4Y04-T-C8-1D-S-Q-Q-Q-E-[ST/51]-[K/A]-Q-W	1	SUSPENDED	120	27	SURFACE MOUNT AT CEILINGS UP TO 10'. CABLE-MOUNT AT CEILINGS OVER 10'
L8-EM	GE	ALC6-1-4Y04-T-C8-1D-S-Q-Q-Q-E-[ST/51]-[K/A]-Q-W	1	SUSPENDED	120	27	L8 FIXTURE WITH EMERGENCY BATTERY BACKUP
L11G	AMERLUX	(HOUSING) HDL-HP-R-NC-A17-T-18-120-0-10V (TRIM) HDL-HP-RD-A17-T-MWW-VWF-359	10	CANOPY RECESSED	120	18	4" ROUND LED LENSED DOWNLIGHT, PROVIDE MATTE WHITE FLANGE (MWW) IN GRID CEILINGS
L11W	AMERLUX	(HOUSING) HDL-HP-R-NC-A17-T-18-120-0-10V (TRIM) HDL-HP-RD-A17-T-MBB-VWF-359	6	CANOPY RECESSED	120	18	4" ROUND LED LENSED DOWNLIGHT, PROVIDE MATTE BLACK FLANGE (MBB) IN WOOD ACCENT CEILINGS
L20	BEST LIGHTING	EZXTEU-1-RW-EMRC	6	UNIVERSAL	120	4	UNIVERSAL MOUNT SINGLE FACE LED EXIT SIGN WITH 90 MIN BATTERY BACKUP
L20 ALT.	ENCORE UNO-SERIES	X-1-C-U	-	UNIVERSAL	120	3	EDGE-LIT SINGLE FACE LED EXIT SIGN WITH 90 MIN BATTERY BACKUP
L22	LITHONIA	ZL1N-L24-1500LM-FST-MVOLT-35K-80CRI-WHLSXR	2	WALL	120	18	2" LED LENSED UTILITY LIGHT W/ OCCUPANCY SENSOR
L308	PHILIPS COLOR KINETICS	223-000004-02	88	LED STRIP	120	6/FT.	12" 4W COVE QLX POWERCORE RIGID BLUE LED STRIP, WHERE MOUNTED ABOVE ACT-3, USE MOUNTING TRACK MODEL #120-000125-00 OR EQ. TO MINIMIZE BLEEDING THROUGH TILE
L308 ALT.	ECOSENSE	L35-I-12"-06-BL-MULT-120	-	LED STRIP	120	6/FT.	12" TROVE MULT (120V-220V) BLUE LED STRIP, WHERE MOUNTED ABOVE ACT-3, USE MOUNTING TRACK MODEL #1MNT-L-TRKCLIP-12 OR EQ. TO MINIMIZE BLEEDING THROUGH TILE
L410	KUZCO	PD46216-BK	4	PENDANT	120	40	16" DIAMETER BLACK POWDER COAT FINISH, INTEGRAL LED DRIVER, INSTALLED AT 82" AFF TO BOTTOM OF FIXTURE, SET DIMMING PER BMS ZONE CONTROL SCHEDULE
L411	TUDO	LARGE SPINNING TEARDROP CEILING PENDANT	3	PENDANT	120	80	15.75" DIAMETER, MATTE BLACK, 640 LED LAMP, ELV DIMMING, INSTALLED AT 66" AFF TO BOTTOM OF FIXTURE
L413	SONNEMAN	2754-25-G	1	PENDANT	120	10	KOMO EDO PENDANT - 22" DIAMETER, BLACK SATIN FINISH, ELV DIMMING, INSTALLED 82" AFF TO BOTTOM OF FIXTURE
L500	AMERLUX	GRUV4-HE-GRID-A16-PL-5-35-HW-120/277-X-CUS-0-10V	21	RECESSED	120	5/FT.	LINEAR LED, 4" WIDE, RECESSED IN GRID CHANNELS, 2" MINIMUM LENGTH, X=FIXTURE LENGTH/(2-8 FEET LONG)
L500-EM	AMERLUX	GRUV4-HE-GRID-A16-PL-5-HW-120/277-X-CUS-0-10V-EMC-PF	7	RECESSED	120	5/FT.	L500 FIXTURE W/ EMERGENCY BATTERY PACK (90 MINUTES)
SL1	GE	EACL-01-0-F4-AF-7-40-N-1-C1-DKBZ-4000K	2	POLE	120	125	POLE MOUNTED 4000K LED - 24" POLE
SL2	GE	EACL-01-0-F4-AF-7-40-N-1-C1-DKBZ-4000K	4	POLE	120	125	POLE MOUNTED 4000K LED - 15' POLE



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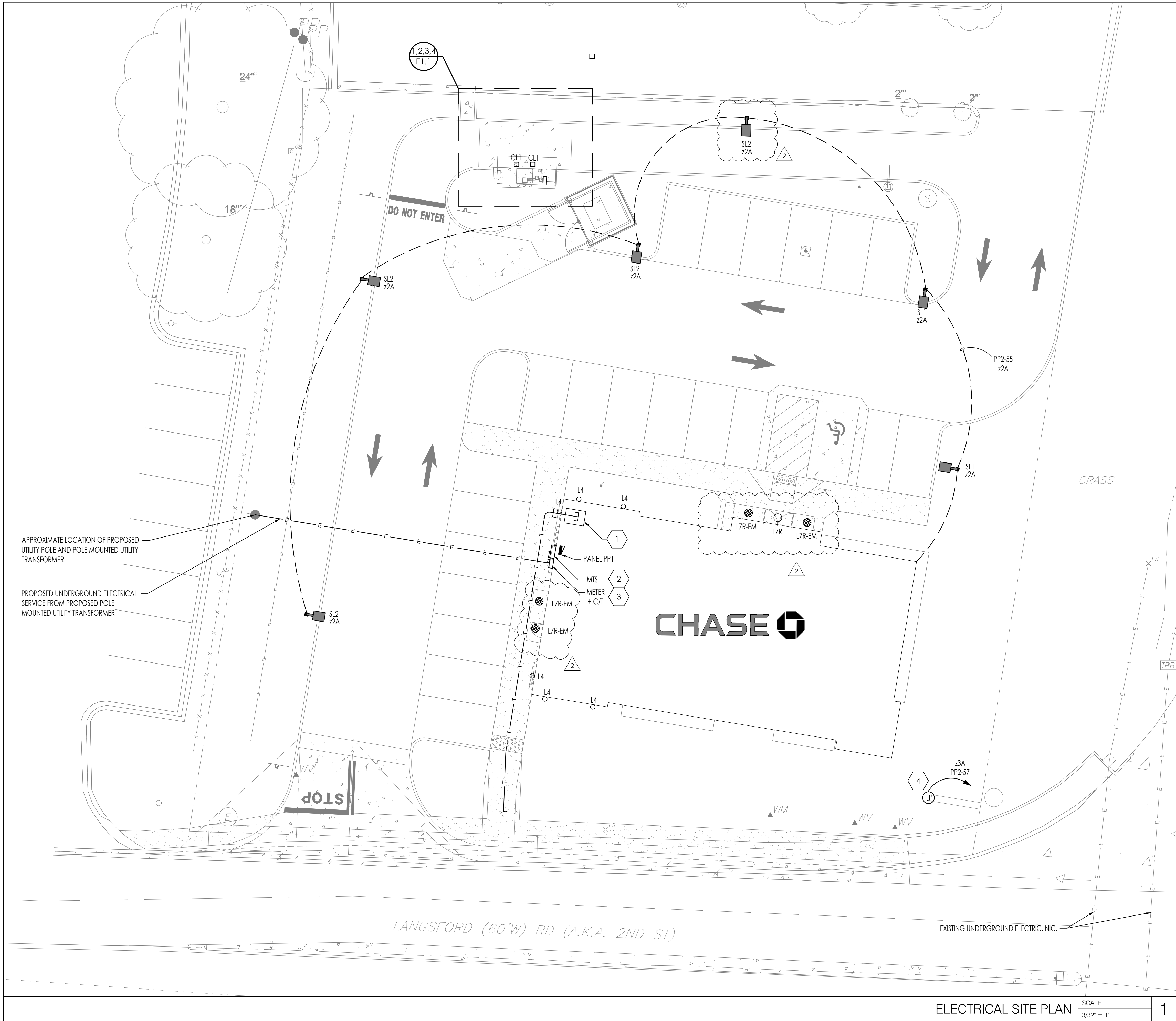
SHEET TITLE

LIGHTING SCHEDULE  
AND ELECTRICAL  
DETAILS

SHEET NUMBER

E0.3





#### ELECTRICAL GENERAL NOTES:

- REFER TO CIVIL SITE LIGHTING DRAWINGS FOR EXACT LOCATION AND TYPE OF SITE LIGHTING.
- PROVIDE 2#10, 1#10G, 3/4"C FEEDERS FOR ALL AREA LIGHT CONDUIT RUNS. CONTRACTOR TO VERIFY AND UPSIZE WIRES IF REQUIRED.
- REFER TO LIGHTING PLAN FOR ADDITIONAL INFORMATION REGARDING EXTERIOR WALL MOUNTED FIXTURES AND CANOPY LIGHTING.
- REFER TO LIGHTING SCHEDULES AND ELECTRICAL DETAILS SHEET FOR LIGHTING FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
- REFER TO BUILDING MANAGEMENT SYSTEM LIGHTING ZONE CONTROL SCHEDULE ON BUILDING MANAGEMENT SYSTEM DETAILS SHEET FOR ALL WIRING CONNECTIONS AND REQUIREMENTS.
- FOR ELECTRICAL SERVICE, ELECTRICAL CONTRACTOR TO PROVIDE PULLBOXES AS REQUIRED BY APPLICABLE CODES, AHJ REQUIREMENTS AND UTILITY REQUIREMENTS. PULLBOXES SHALL BE SUITABLE FOR EACH SPECIFIC APPLICATION (TRAFFIC RATED, UNDERGROUND, ETC.)

#### # ELECTRICAL KEYNOTES:

- ROUTE (2) 2" CONDUITS WITH PULL STRINGS FOR TELEPHONE TO DATA ROOM, COORDINATE FINAL STUB-UP LOCATIONS WITH TELEPHONE PROVIDER PRIOR TO INSTALLATION.
- REFER TO POWER RISER DIAGRAM LOCATED ON POWER DETAILS AND SCHEDULES SHEET FOR ROUGH-IN REQUIREMENTS OF TRANSFER SWITCH.
- FINAL LOCATION OF MTS IS TO BE DECIDED BETWEEN BUILDING OWNER, ELECTRICAL CONTRACTOR, AND UTILITY.
- REFER TO ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS FOR SIGN LOCATION. JUNCTION BOX PROVIDED FOR MONUMENT SIGNAGE, FIELD COORDINATE ROUGH-IN REQUIREMENTS WITH SIGNS TO BE INSTALLED AND ADJUST ACCORDINGLY. PROVIDE DISCONNECTING MEANS AS REQUIRED. PROVIDE WHIP TO SIGNAGE LOCATION AS REQUIRED BY LANDLORD AND AS REQUIRED BY CODE.

REFER TO RISER DIAGRAM FOR ALL COORDINATION INVOLVING ELECTRICAL SERVICE. DEDICATED ELECTRICAL SERVICE HAS NOT BEEN FINALIZED. ALL INFORMATION REGARDING ELECTRICAL SERVICE IS SUBJECT TO CHANGE PENDING COORDINATION WITH UTILITY COMPANY.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORPORATES, INC.  
46 East Main Street Suite 201  
Somerville, NJ 08876  
908-462-9700  
www.core-states.com

ENGINEER OF RECORD



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JOHN FERGUSON, P.E.  
MISSOURI  
LICENSE # 2008014085

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

#### PROJECT INFORMATION

PROJECT NO: JPM.27135.001  
DATE: 2020.12.21  
PROTOTYPE: 20.2  
DRAWN BY: D. BORELLI  
CHECKED BY: D. MULVANEY  
VERSION: SE 1.00

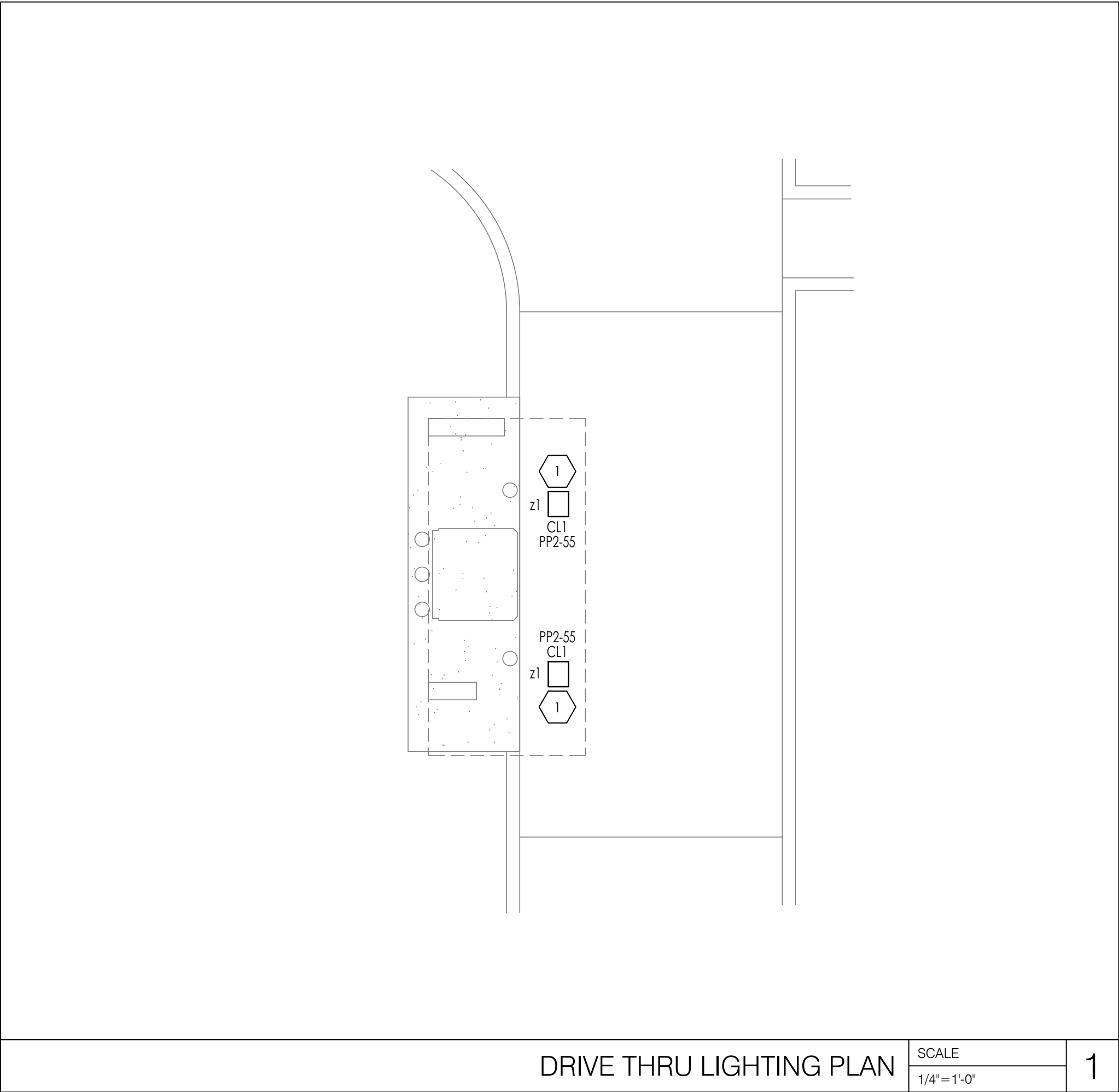
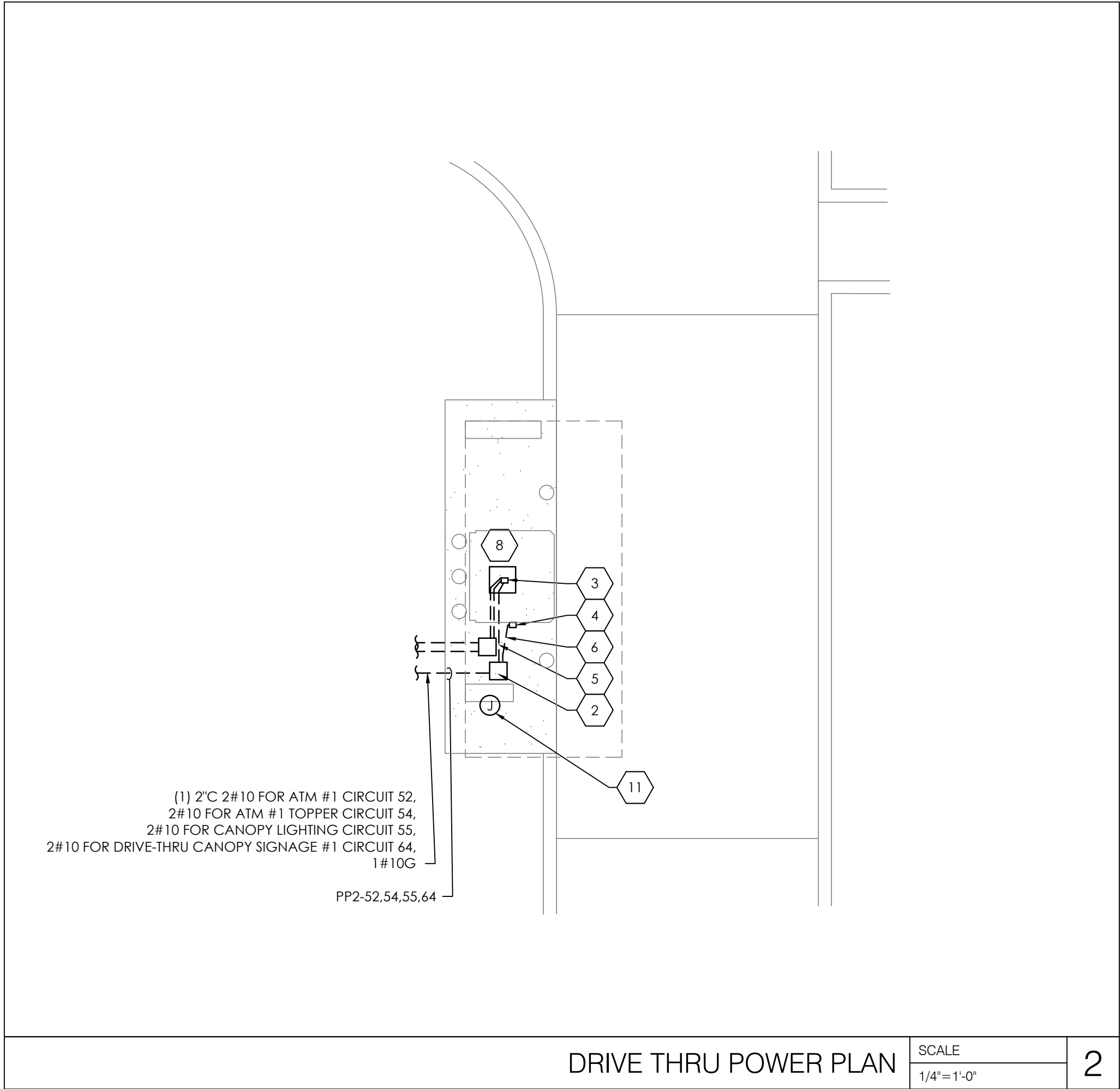
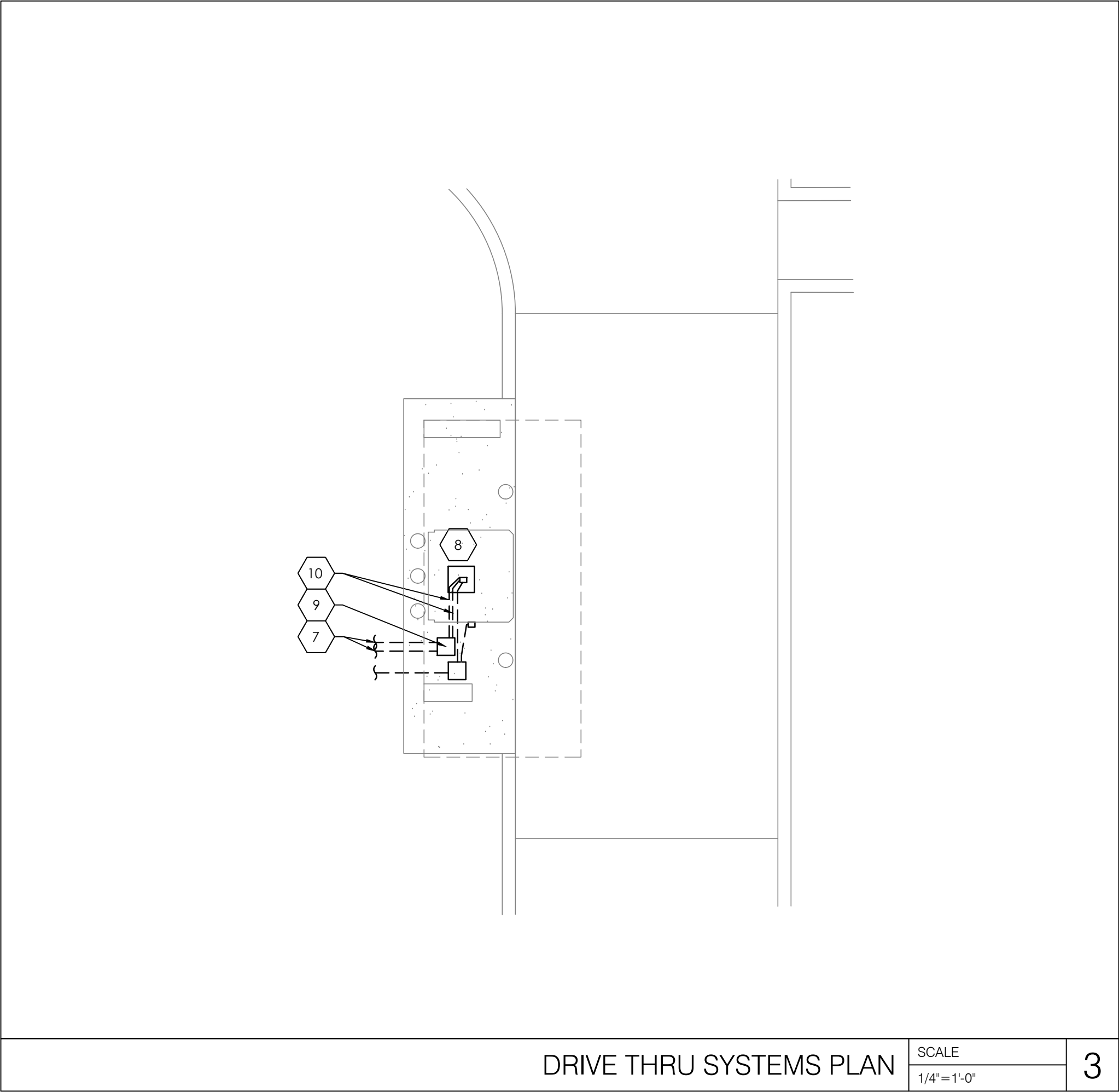
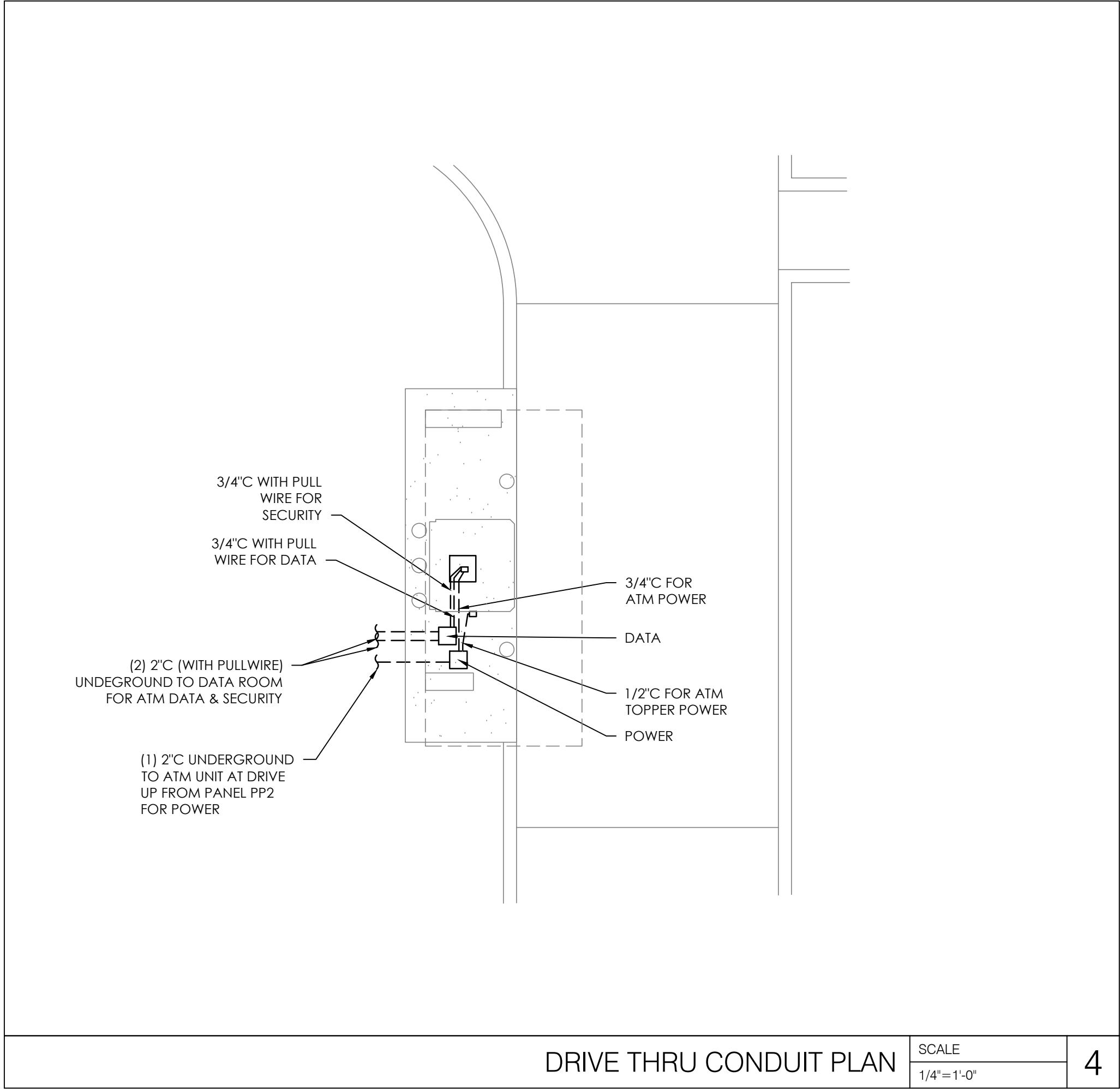
SHEET TITLE

ELECTRICAL  
SITE PLAN

SHEET NUMBER

E1.0





- ELECTRICAL GENERAL NOTES:**
- REFER TO LIGHTING SCHEDULES AND ELECTRICAL DETAILS SHEET FOR LIGHTING FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
  - REFER TO DRAWING BUILDING MANAGEMENT SYSTEM DETAILS SHEET FOR BMS LIGHTING CONTROL ZONE SCHEDULE.
- # ELECTRICAL KEYNOTES:**
- CANOPY FIXTURES ARE TO BE CONTROLLED BY OUTDOOR PHOTOCELL, DAINTREE #RLV-ODCOP-W. REFER TO BUILDING MANAGEMENT SYSTEMS DETAILS SHEET FOR ADDITIONAL INFORMATION.
  - POWER PULL BOX - 8"X8"X6" PVC PULL BOX WITH SIDEWALK RATED GASKET TOP SECURED WITH SCREWS.
  - ATM PULL BOX - 12"X12"X6" PVC PULL BOX MOUNTED FLUSH IN CONCRETE.
  - ATM TOPPER PULL BOX - 2"X4"X2" PVC PULL BOX MOUNTED FLUSH IN CONCRETE.
  - 3/4" CONDUIT FROM POWER PULL BOX TO ATM PULL BOX FOR POWER TO ATM. PROVIDE 3/4" NON-METALLIC LIQUID-TIGHT CONDUIT FOR POWER INTO ATM.
  - 1/2" CONDUIT FROM POWER PULL BOX THROUGH ATM PULL BOX TO ATM TOPPER PULL BOX FOR POWER TO ATM TOPPER. PROVIDE 1/2" NON-METALLIC LIQUID-TIGHT CONDUIT FOR POWER INTO ATM TOPPER.
  - (2) 2" CONDUIT WITH PULLWIRE FROM ATM TO DATA ROOM. ATM CONDUIT AND PULLWIRE TO TERMINATE UNDER CEILING SLEEVES IN DATA ROOM. REFER TO THE UNDERGROUND CONDUIT PLAN SHEET.
  - REFER TO UNDERGROUND CONDUIT PLAN FOR UNDERGROUND CONDUIT AND CABLING ROUTING FOR DEVICES IN THIS AREA.
  - DATA PULL BOX 8"X8"X6" PVC PULL BOX WITH SIDEWALK RATED GASKET TOP SECURED WITH SCREWS.
  - (2) 3/4" CONDUITS WITH PULLWIRE FROM DATA PULL BOX TO ATM PULL BOX FOR DATA AND SECURITY TO ATM. PROVIDE 3/4" NON-METALLIC LIQUID TIGHT CONDUIT FOR DATA AND SECURITY INTO ATM.
  - PROVIDE JUNCTION BOX FOR OCTAGON SIGNAGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH E.C. AND SIGN MANUFACTURER PRIOR TO ROUGH-IN.

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DRAWN BY:	D. BORELLI
CHECKED BY:	D. MULVANEY
VERSION:	SE 1.00

SHEET TITLE

DRIVE-THRU  
PLANS

SHEET NUMBER

E1.1



ISSUE	DATE	DESCRIPTION
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CHECKED BY:	D. MULVANEY	
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SHEET TITLE

LIGHTING  
PLAN

SHEET NUMBER

E2.0

## ELECTRICAL GENERAL NOTES:

- REFER TO LIGHTING SCHEDULES AND ELECTRICAL DETAILS SHEET FOR LIGHTING FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
- REFER TO BUILDING MANAGEMENT SYSTEM LIGHTING ZONE CONTROL SCHEDULE ON BUILDING MANAGEMENT SYSTEM DETAILS SHEET FOR ALL WIRING CONNECTIONS AND REQUIREMENTS.
- ALL LIGHTS LABELED "NL" ARE NIGHT LIGHTS THAT ARE TO BE CONNECTED UNSWITCHED.
- ALL EXIT LIGHTS "L20" SHALL BE CONNECTED TO THE CIRCUIT INDICATED ON THE LINE SIDE OF THE LOCAL LIGHTING SWITCH.
- ALL EMERGENCY BATTERY FIXTURES (HATCHED FIXTURES) SHALL BE CONTROLLED BY THE LOCAL LIGHTING SWITCH AS INDICATED. EXTEND BATTERY WIRING TO THE LINE SIDE OF THE LOCAL LIGHTING SWITCH AND CONNECT FOR PROPER EMERGENCY BALLAST OPERATION.
- ALL PENDANT FIXTURES IN THE PUBLIC LOBBY AREA ARE TO BE CONNECTED TO A CONSTANT-ON CIRCUIT. EXACT LOCATIONS OF PENDANT FIXTURES ARE TO BE COORDINATED WITH THE ARCHITECTURAL FURNITURE LAYOUT.
- SECURELY FASTEN EACH RECESSED GRID LIGHT FIXTURE TO THE CEILING SYSTEM WITH APPROPRIATE SUPPORT BRACKETS AND CLIPS PER INDUSTRY STANDARDS. CODE AND ALL LOCAL CODES.
- A MAXIMUM OF 3 HOMERUNS MAY BE GROUPED TOGETHER IN ONE CONDUIT AND SHARE A COMMON NEUTRAL PROVIDED THE HOMERUNS ARE DIFFERENT PHASES. IF BRANCH CIRCUITS ARE GROUPED THEY MUST ALL BE CONTROLLED BY THE SAME MULTI-POLE BREAKER PER NEC.210.4.

## # ELECTRICAL KEY NOTES:

- SWITCHBANK FOR B-LEVEL CONTROL OF LOBBY LIGHTING WITH MANUAL DIMMERS. 4-GANG BOX NOT REQUIRED. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION. NUMBERS NEXT TO SWITCHES INDICATE THE LIGHTING ZONE BEING CONTROLLED. REFER TO BMS LIGHTING ZONE CONTROL SCHEDULE ON THE BUILDING MANAGEMENT SYSTEM DETAIL SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE LED COVE ACCENT LIGHTING, TYPE L308 (BLUE), AS SHOWN. LIGHTING TO BE INSTALLED IN VESTIBULE BRIM COVE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. CIRCUIT AS NIGHT LIGHTS.
- UNDERCABINET LIGHT FIXTURES. VERIFY EXACT QUANTITY OF FIXTURES REQUIRED PRIOR TO INSTALLATION. LIGHTING FIXTURE "L3" IS PROVIDED WITH AN INTEGRAL OCCUPANCY SENSOR. DO NOT CONNECT TO WALL MOUNTED OCCUPANCY SENSOR OR SWITCHES. ROUTE LOW VOLTAGE LIGHT FIXTURE CIRCUITRY THROUGH WALL TO FIXTURE DEVICES. REFER TO ARCHITECTURAL ELEVATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE LED COVE ACCENT LIGHTING, TYPE L308 (BLUE), AS SHOWN. LIGHTING TO BE INSTALLED IN VESTIBULE CEILING COVE. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. CIRCUIT AS NIGHT LIGHTS.
- PROVIDE OUTDOOR PHOTOCELL, MOUNTED ON EXTERIOR WALL. EXACT LOCATION AND MOUNTING HEIGHT TO BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH-IN. MOUNT AWAY FROM LIGHT SOURCES.
- JUNCTION BOX ON THE INSIDE OF EXTERIOR WALL FOR BUILDING SIGN. REFER TO ARCHITECTURAL ELEVATIONS FOR SIGN LOCATIONS. FIELD COORDINATE ROUGH-IN REQUIREMENTS WITH SIGNS TO BE INSTALLED AND ADJUST ACCORDINGLY. PROVIDE DISCONNECTING MEANS AS REQUIRED.
- INTERLOCK RESTROOMS AND JANITOR CLOSET LIGHTING AND EXHAUST FAN WITH WALL MOUNTED OCCUPANCY SENSOR. LIGHTING AND EXHAUST FAN TO BE POWERED SEPARATELY. REFER TO POWER PLAN, ROOF POWER PLAN AND MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.
- EXHAUST FAN TO BE INTERLOCKED WITH 3-WAY PRESET PUSH BUTTON TIMER SWITCH. REFER TO EXHAUST FAN CONTROL DIAGRAM, POWER PLAN AND MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.
- PROVIDE JUNCTION BOX ABOVE CEILING WITH MULTIPLE FLEXIBLE CONDUIT TERMINATIONS IN WALL BELOW FOR SIGNAGE ELECTRICAL CONNECTION. COORDINATE EXACT LOCATION AND TERMINATION LOCATIONS WITH CHASE SIGNAGE VENDOR'S REQUIREMENTS AND ADDITIONAL REQUIREMENTS. FIELD COORDINATE ROUGH-IN REQUIREMENTS WITH SIGN TO BE INSTALLED AND ADJUST ACCORDINGLY. CONNECT SIGN TO SPOT WALL SWITCH LOCATED AT MANUAL TRANSACTION AREA FOR MANUAL CONTROL OF SIGNAGE.
- PROVIDE DIMMING ROOM WIRELESS ADAPTER, DAINTREE #WA100-PM SERIES, REFER TO BUILDING MANAGEMENT SYSTEM DETAILS SHEET FOR ADDITIONAL INFORMATION. ADAPTER CONTROLS UP TO 10 LUMINAIRES.
- PROVIDE BATTERY POWERED CEILING RECESSED OCCUPANCY SENSOR, DAINTREE #WOS2-RM-E SERIES, REFER TO BUILDING MANAGEMENT SYSTEM DETAILS SHEET FOR ADDITIONAL INFORMATION.
- PROVIDE WIRELESS WALL DIMMER, DAINTREE #WWD1 SERIES, REFER TO DETAILS ON THE BUILDING MANAGEMENT SYSTEM DETAIL SHEET FOR ADDITIONAL INFORMATION.
- REFER TO EXTERIOR ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR EXTERIOR WALL MOUNTED LIGHTING FIXTURE MOUNTING HEIGHTS AND LOCATIONS.
- WALL MOUNTED ACCENT LIGHT FIXTURE. PAIR LOW-VOLTAGE FIXTURE IN FLUSH WALL FIXTURE BOX. CONNECT TO REMOTE DRIVER AND WAPM DAINTREE ADAPTER CONCEALED ABOVE CEILING. COORDINATE WITH MANUFACTURER FOR ALL INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
- EMERGENCY CANOPY FIXTURES TO BE CONNECTED TO UL LISTED EMERGENCY INVERTER MODEL LPFEWREM50. CONTRACTOR TO VERIFY FINAL LOCATION OF INVERTER WITH OWNER. IF #EMREM50 EMERGENCY LIGHTING INVERTER IS UNIT EQUIPMENT THAT TRANSFORMS LED FIXTURES UP TO 50W INTO CODE COMPLIANT EMERGENCY LIGHTING FIXTURES.

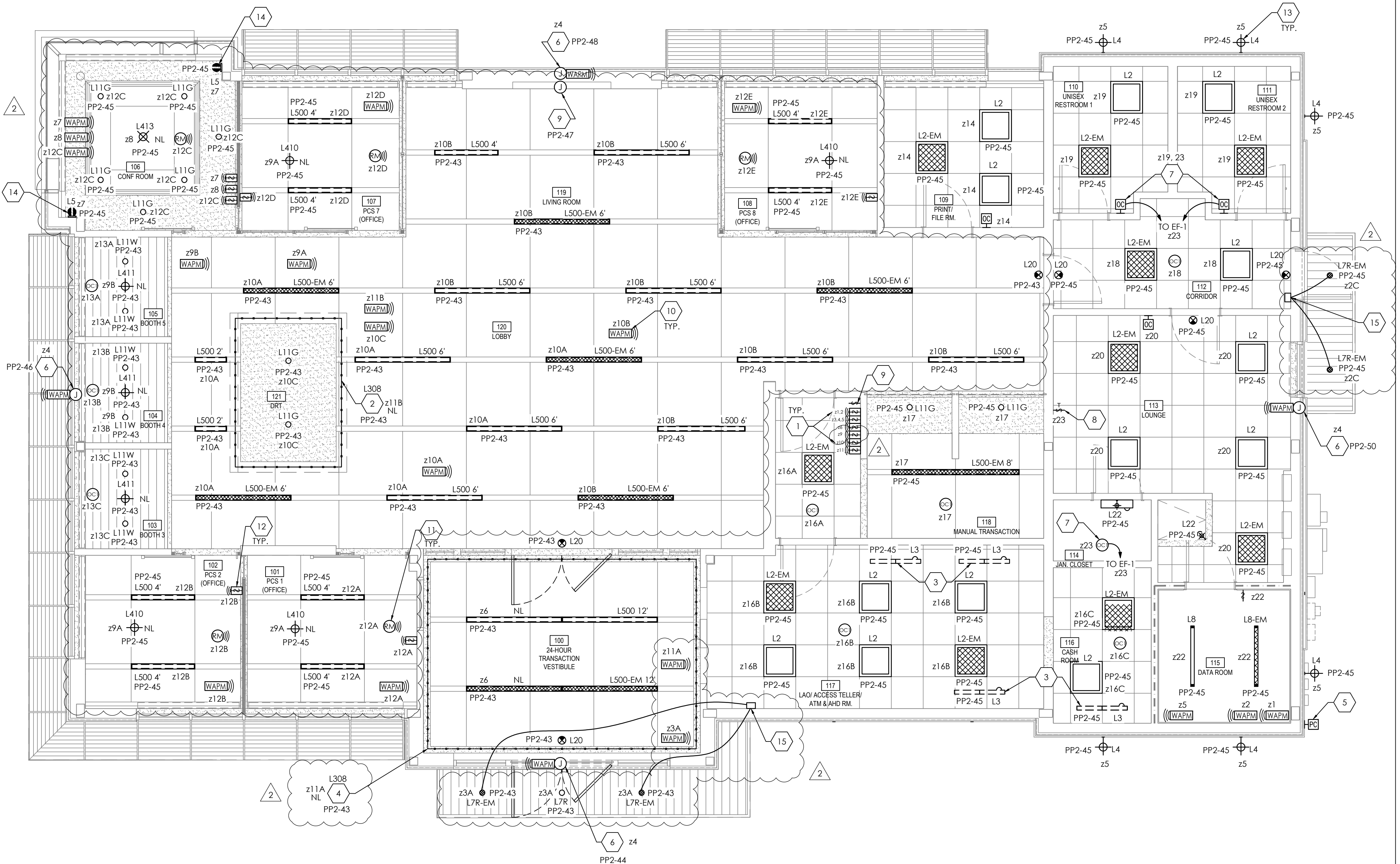
## LIGHTING NOTES:

- LIGHTING SHALL BE ORDERED THROUGH:  
FSG - JPMC Retail Team  
Isaiah Ramden  
Tel: (888) 671-4074  
E-mail: jpmc@fsg.com  
Website: www.fsg.com
- ELECTRICAL CONTRACTOR TO PURCHASE WHOLE DAINTREE SYSTEM WITH INPUT FROM MECHANICAL CONTRACTOR. COORDINATE AS REQUIRED BETWEEN THE TRADES. ELECTRICAL CONTRACTOR TO CONFIRM ALL ORDER REQUIREMENTS WITH MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO COORDINATE WITH DAINTREE FOR PROGRAMMING OF SYSTEM AND DEVICES. IF THERE ARE SPECIFIC QUESTIONS REGARDING THE DAINTREE CONTROL SYSTEM AND ADDITIONAL INFORMATION, PLEASE CONTACT:  
  
Current, powered by GE  
Bob Flannery  
Tel: 312-550-6554  
E-mail: robert.flannery@gecurrent.com  
  
Travis Lynch  
Tel: 216-212-7558  
E-mail: Travis.Lynch@gecurrent.com  
  
FOR GENERAL SUPPORT:  
E-mail: JPMCcontrols@gecurrent.com

LIGHTING PLAN

SCALE  
1/4" = 1'

1





ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
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2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

PROJECT INFORMATION		
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PROTOTYPE:	20.2	
DRAWN BY:	D. BORELLI	
CHECKED BY:	D. MULVANEY	
VERSION:	SE 1.00	

SHEET TITLE

POWER  
PLAN

SHEET NUMBER

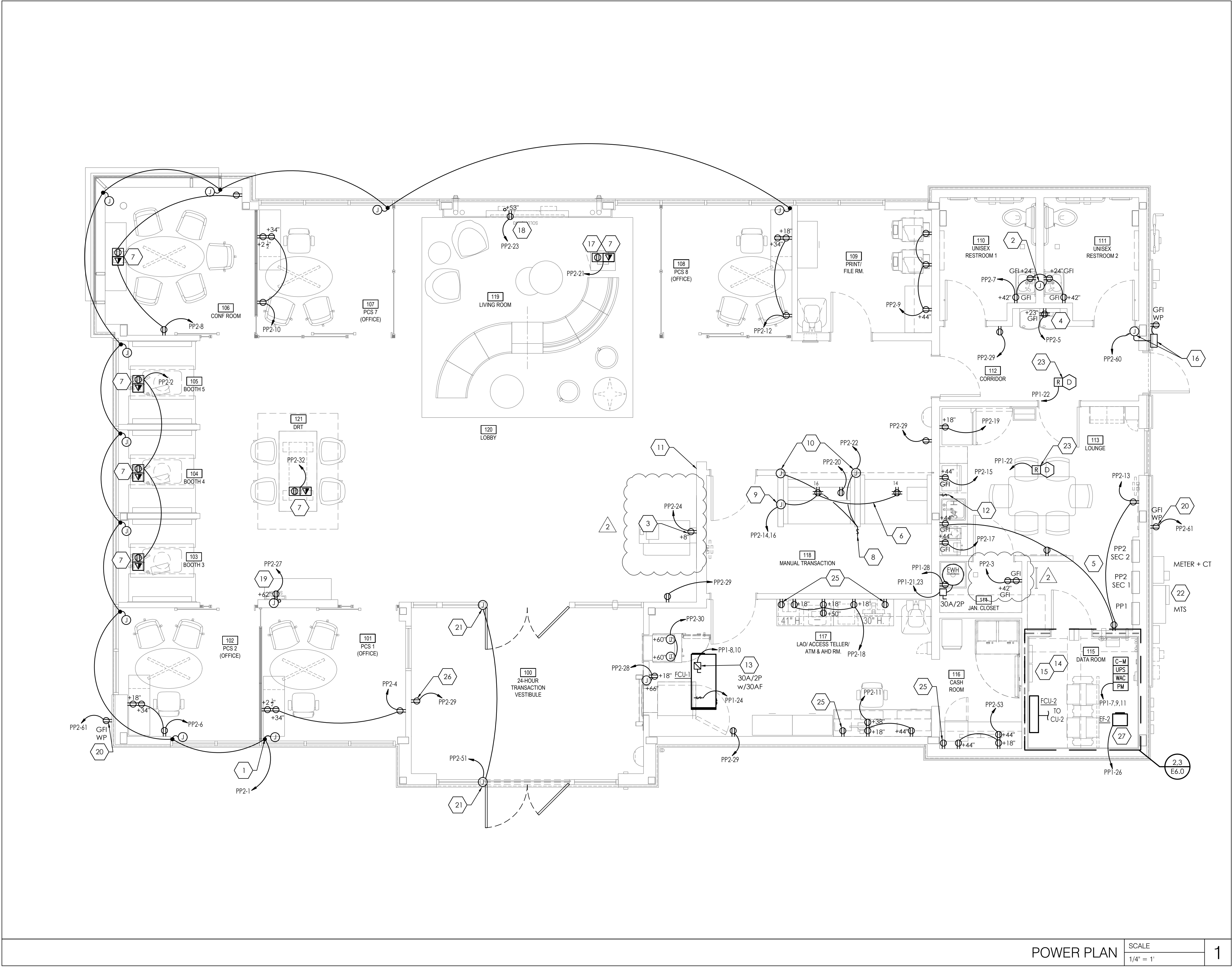
E3.0

#### ELECTRICAL GENERAL NOTES:

- ALL POWER CONNECTIONS TO FURNITURE (IF APPLICABLE) ARE TO BE BY THE ELECTRICAL CONTRACTOR. FINAL DATA/COMMUNICATION CABLEING AND CONNECTIONS ARE TO BE BY OTHERS. COORDINATE EXACT LOCATIONS AND CONNECTION REQUIREMENTS WITH THE FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN.
- FAN COIL UNIT 2 SHALL BE POWERED THROUGH THE CORRESPONDING CONDENSING UNIT. REFER TO MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.
- REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS FOR RECEPTACLES.

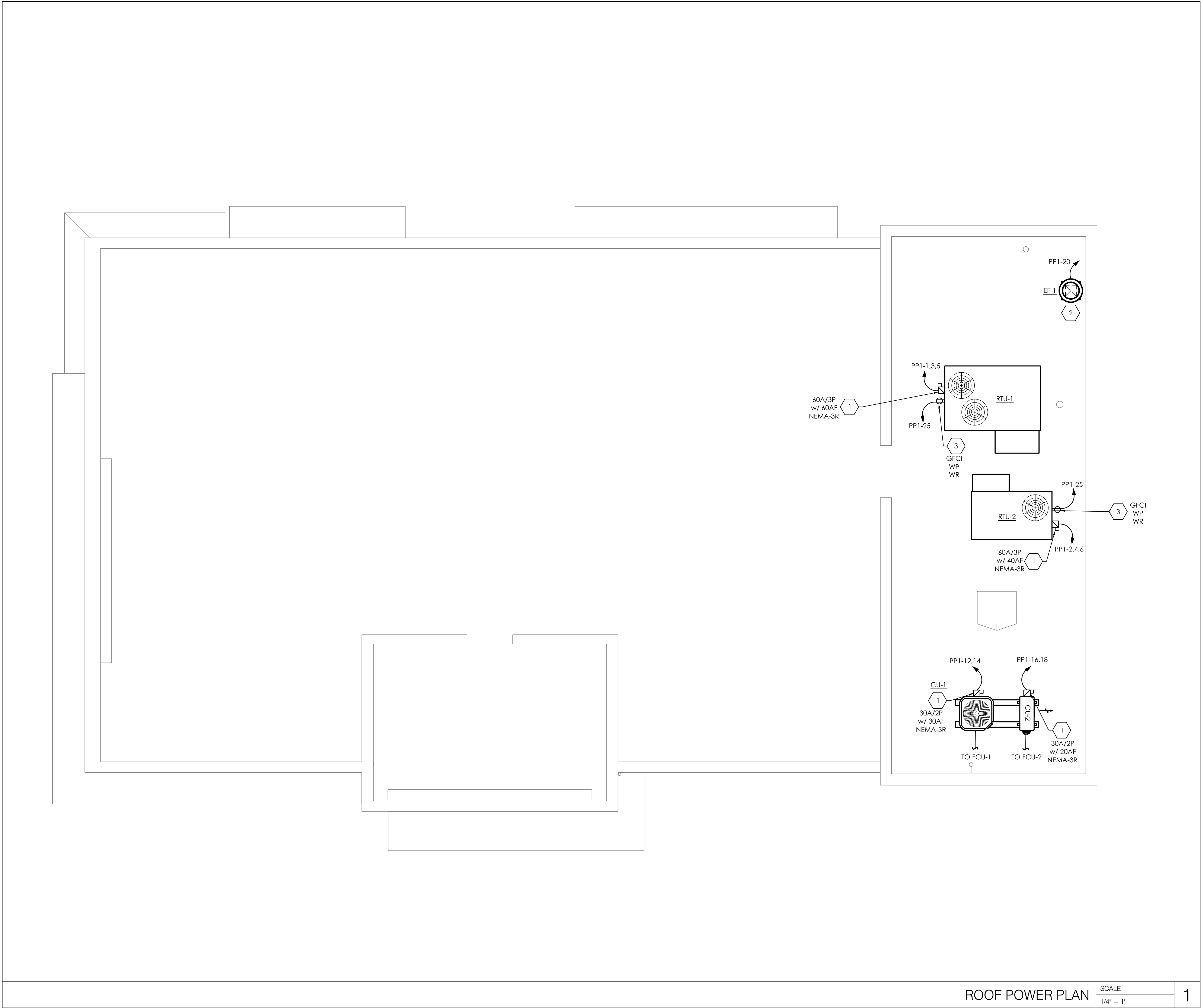
#### # ELECTRICAL KEYNOTES:

- MOTORIZED SHADE INSTALLATION. REFER TO THE MOTORIZED SHADE POWER DETAIL FOR ROUGH-IN REQUIREMENTS. PROVIDE APPROPRIATE ROUGH-INS AND FINAL CONNECTIONS TO MOTORIZED SHADES. FIELD COORDINATE EXACT REQUIREMENTS WITH INSTALLING CONTRACTOR AND ADJUST ACCORDINGLY.
- PROVIDE POWER TO JUNCTION BOX MOUNTED 1'-0" ABOVE CEILING FOR AUTO FAUCET TRANSFORMER PROVIDED BY OTHERS. FIELD COORDINATE EXACT REQUIREMENTS AND LOCATION PRIOR TO ROUGH-IN AND ADJUST ACCORDINGLY.
- ROUTE POWER CONDUIT THROUGH RACEWAY TO SURFACE MOUNTED ATM AS SHOWN. COORDINATE WITH ATM MANUFACTURER FOR ALL INSTALLATION REQUIREMENTS PRIOR TO INSTALLATION.
- COORDINATE ROUGH-IN LOCATION FOR DRINKING FOUNTAIN RECEPTACLES WITH SHOP DRAWINGS.
- MAINTAIN REQUIRED CLEARANCES FOR ALL ELECTRICAL PANELS PER THE NEC SECTION 110.26. REFER TO POWER RISER DIAGRAM LOCATED ON POWER DETAILS AND SCHEDULES SHEET FOR ADDITIONAL INFORMATION.
- ROUTE CONDUIT THROUGH RACEWAY IN MILLWORK TO SURFACE MOUNTED DEVICES AS SHOWN. COORDINATE WITH MILLWORK PROVIDER PRIOR TO INSTALL.
- REFER TO UNDERGROUND CONDUIT PLAN FOR UNDERGROUND CONDUIT AND CABLEING ROUTING FOR DEVICES IN THIS AREA.
- KEYPAD FOR MOTORIZED SCRM. KEYPAD CAN CONTROL UP TO FOUR SCRIMS AND IS PROVIDED BY VENDOR. REFERENCE ARCHITECTURAL ELEVATIONS FOR ADDITIONAL INFORMATION.
- ROUTE ONE 3/4" CONDUIT TO END OF THE TELLER LINE AS SHOWN. CONCEAL CONDUIT IN WALL AND TERMINATE AT J-BOX. REFER TO ARCHITECTURAL SHEETS.
- MOTORIZED SCRM INSTALLATION. REFER TO ARCHITECTURAL DETAIL FOR ROUGH-IN REQUIREMENTS. PROVIDE APPROPRIATE ROUGH-INS AND FINAL CONNECTIONS TO MOTORIZED SCRM. FIELD COORDINATE EXACT REQUIREMENTS WITH INSTALLING CONTRACTOR AND ADJUST ACCORDINGLY.
- WALL MOUNTED SECURITY KEYPAD FOR 6ATMS ON BANKING FLOOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH GC PRIOR TO ROUGH-IN.
- EXHAUST FAN SHALL BE INTERLOCKED WITH 3-WAY PRESET PUSH BUTTON TIMER SWITCH. REFER TO EXHAUST FAN CONTROL DIAGRAM, LIGHTING PLAN SHEET, ROOF POWER PLAN SHEET, AND MECHANICAL SCHEDULES ON MECHANICAL SHEETS FOR ADDITIONAL INFORMATION. TIMER SWITCH IS BEING PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
- PROVIDE POWER TO MECHANICAL EQUIPMENT AS SHOWN. PROVIDE DISCONNECTING MEANS AS REQUIRED. COORDINATE FINAL LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE WIRELESS AREA CONTROLLER. DAINTREE #WAC-50. WIRELESS AREA CONTROLLER TO BE POWERED VIA 120V RECEPTACLE IN DATA ROOM AND WIRE TO CELLULAR MODEM FOR CONTROLSCOPE CONNECTIVITY. REFER TO BUILDING MANAGEMENT SYSTEM DETAILS SHEET FOR ADDITIONAL INFORMATION.
- CELLULAR MODEM TO BE POWERED FROM DUPLEX RECEPTACLES IN DATA ROOM. CELLULAR MODEM AND WAC RECEPTACLES TO BE CONNECTED TO UPS. REFER TO BUILDING MANAGEMENT SYSTEM DETAILS SHEET FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR TO DETERMINE LOCATION FINAL LOCATION OF RECEPTACLES IN FIELD.
- IRRIGATION CONTROLLER SERVICE SWITCH LOCATED ABOVE CEILING. ROUTE ONE 3/4" CONDUIT STUBBED TO IRRIGATION CONTROLLER ON EXTERIOR WALL.
- TELEPRESENCE CONTROL PANEL, MICROPHONE AND VIDEO INPUT TO BE HOUSED IN LIVING ROOM TABLE. E.C. TO PROVIDE POWER RECEPTACLE AND JUNCTION BOX WITH 1" CONDUIT STUBBED UP TO PAC BOX (IF PRESENT). OTHERWISE ROUTE THE 1" CONDUIT TO ABOVE CEILING FOR TELE-PRESENCE EQUIPMENT AT CAFE AREA. REFER TO JPMC RETAIL STRUCTURED CABLEING STANDARDS FOR ADDL. INFO. COORDINATE FINAL DEVICE LOCATIONS w/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.
- E.C. TO PROVIDE POWER RECEPTACLE AND 1" CONDUIT ROUTED TO PAC BOX FOR LIVING ROOM TELE-PRESENCE MONITOR POWER. ROUTE CABLE AND WIRING OVERHEAD FROM MONITOR AS REQUIRED. REFER TO JPMC RETAIL STRUCTURED CABLEING STANDARDS FOR ADDL. INFO. COORDINATE FINAL DEVICE LOCATIONS w/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.
- E.C. TO PROVIDE POWER RECEPTACLE WITH 1" CONDUIT STUBBED ABOVE CEILING FOR COMMUNITY WALL TELE-PRESENCE MONITOR. ROUTE CABLE AND WIRING OVERHEAD FROM MONITORS AS REQUIRED. REFER TO JPMC RETAIL STRUCTURED CABLEING STANDARDS FOR ADDL. INFO. COORDINATE FINAL DEVICE LOCATIONS w/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.
- SET EXTERIOR BUILDING RECEPTACLE FLUSH WITH FACE OF MASONRY VENEER. PROVIDE METAL COVER COMPLIANT WITH CURRENT NATIONAL ELECTRICAL CODE (NEC). REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MORE DETAILS. PROVIDE HUBBELL MODEL #5205WO, OR EQUIVALENT THAT IS COMPLIANT WITH N.E.C.
- JUNCTION BOX FOR DOOR CONTROL CLOSER. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER AND MANUFACTURER FOR FINAL LOCATION AND INSTALLATION REQUIREMENTS.
- METER, CT CABINET, AND MANUAL TRANSFER SWITCH (MTS) MOUNTED ON EXTERIOR WALL. REFER TO POWER RISER DIAGRAM ON POWER DETAILS AND SCHEDULES SHEET FOR ADDITIONAL INFORMATION.
- STANDALONE DUCT DETECTOR. INSTALLED IN DUCT BY HVAC CONTRACTOR. WIRING BY ELECTRICAL CONTRACTOR. SYSTEM SENSOR MODEL D4120 OR EQUIVALENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION. REFER TO SYSTEMS PLAN FOR REMOTE TEST SWITCH LOCATION.
- NOT USED.
- RECEPTACLE LOCATED JUST ABOVE UPPER CABINET FOR POWER SUPPLY FOR UNDERCABINET LIGHTS. (UNSWITCHED) POWER FROM CIRCUIT AS INDICATED ON LIGHTING PLAN.
- ELECTRICAL CONTRACTOR SHALL PROVIDE STANDARD DUPLEX RECEPTACLE WITH BELL LOCKABLE COVER SPECIFICATION NUMBER MX1050S OR EQUIVALENT.
- DISCONNECT SWITCH IS BEING PROVIDED WITH EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR INSTALLATION AND POWER CONNECTION. IF NO DISCONNECT WAS INCLUDED WITH SHIPMENT, COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE AS REQUIRED. EXHAUST FAN DATA ROOM. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.



POWER PLAN SCALE  
1/4" = 1' 1





- ELECTRICAL GENERAL NOTES:
- FAN COIL UNIT 2 SHALL BE POWERED THROUGH THE CORRESPONDING CONDENSING UNIT ON THE ROOF. REFER TO MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION.
  - RTU'S PROVIDED WITH POWERED RECEPTACLE. IF UNIT IS NOT PROVIDED WITH RECEPTACLE, PLEASE PROVIDE AS INDICATED. REFER TO MECHANICAL SCHEDULE SHEET FOR ADDITIONAL INFORMATION.
- ELECTRICAL KEY NOTES:
- PROVIDE POWER TO MECHANICAL EQUIPMENT AS SHOWN. PROVIDE DISCONNECTING MEANS AS REQUIRED. COORDINATE FINAL LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
  - DISCONNECT SWITCH IS BEING PROVIDED WITH EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR INSTALLATION AND POWER CONNECTION. IF NO DISCONNECT WAS INCLUDED WITH SHIPMENT, COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE AS REQUIRED. EXHAUST FAN SERVES LOUNGE, JANITOR'S CLOSET AND RESTROOMS. REFER TO LIGHTING PLAN, POWER PLAN AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - PROVIDE WEATHERPROOF, GFI PROTECTED, WEATHER RESISTANT ROOFTOP RECEPTACLE. OUTLET BOX HOODS SHALL BE IDENTIFIED AND LISTED AS EXTRA DUTY PER ARTICLE 406.9(8)(1).

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VERSION:	SE 1.00

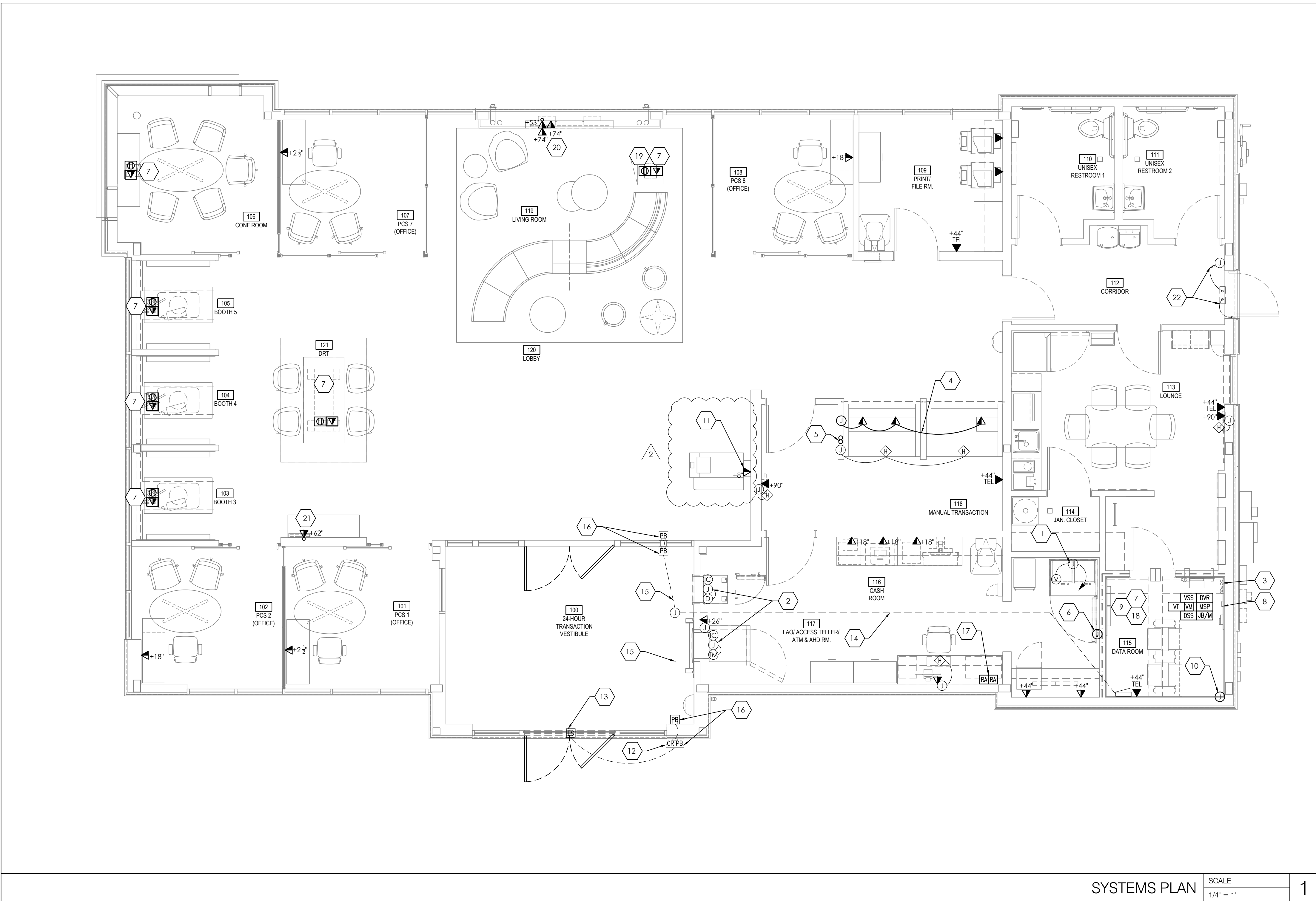
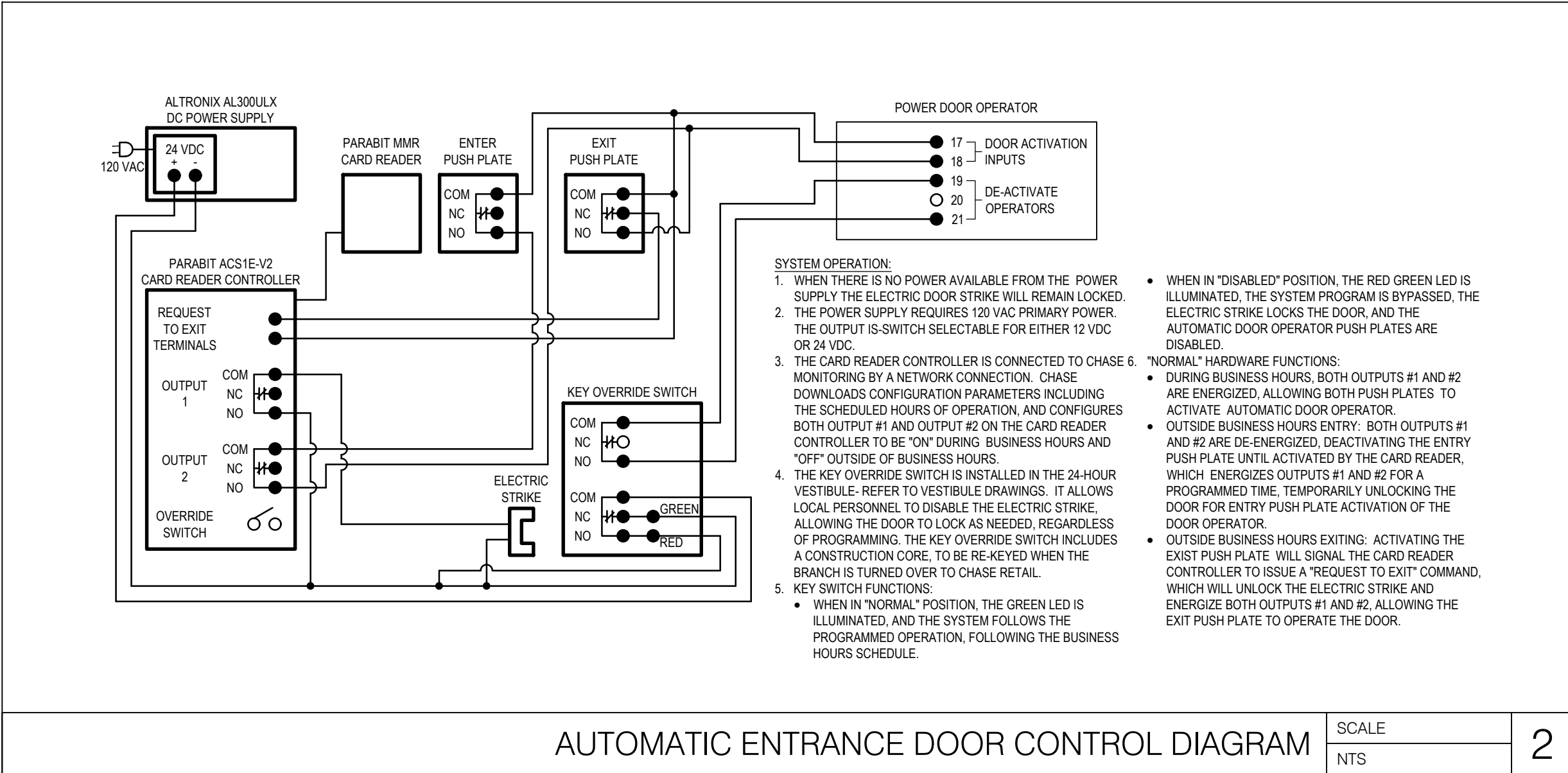
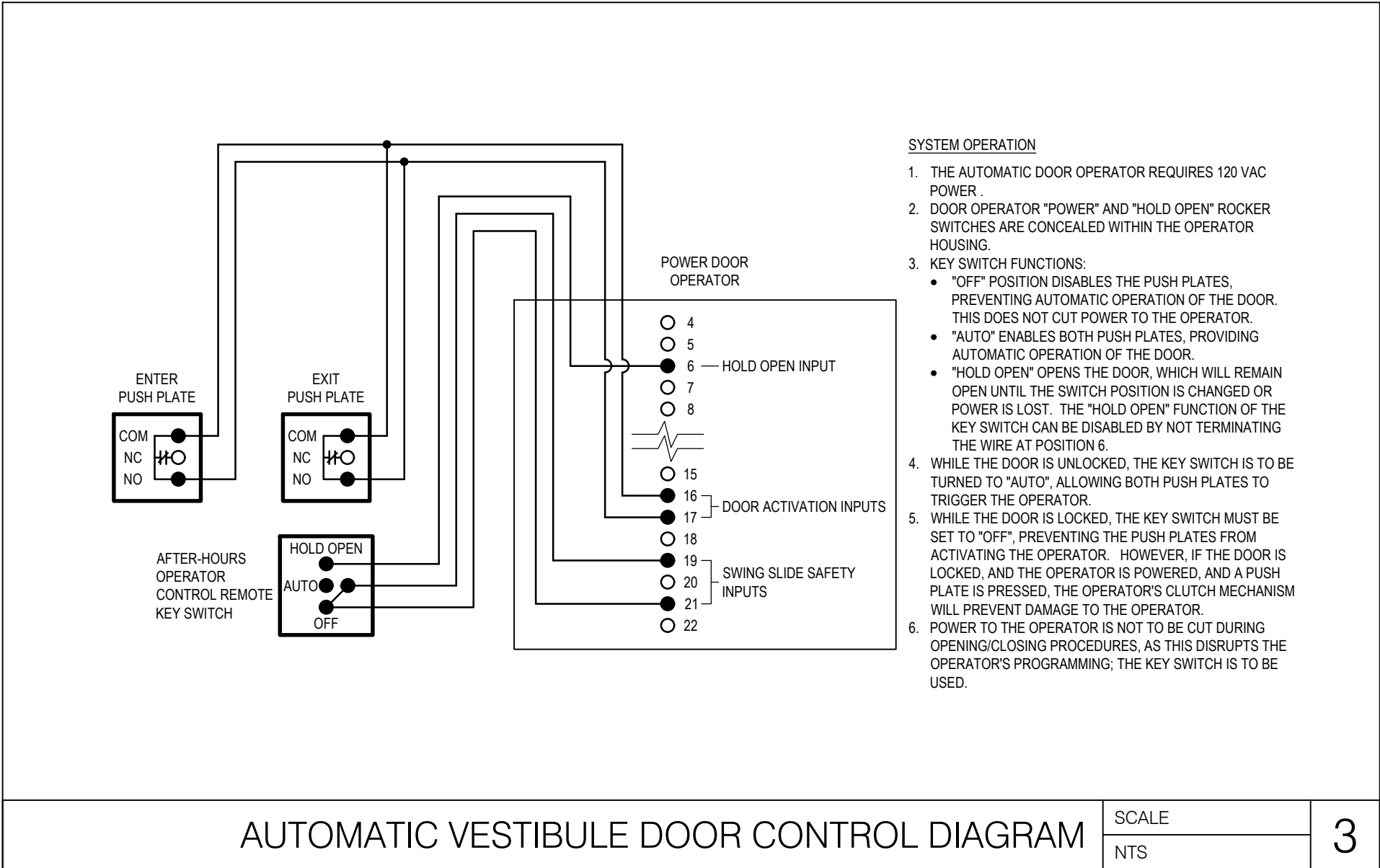
SHEET TITLE

ROOF POWER PLAN

SHEET NUMBER

E3.1





- ELECTRICAL GENERAL NOTES:**
1. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RUN CONDUIT AND WIRING TO ALL APPROPRIATE SECURITY EQUIPMENT LOCATIONS PRIOR TO INSTALLATION. SECURITY VENDOR WILL CONNECT DEVICES. REFER TO SECURITY VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
  2. REFER TO CHASE TELECOMM DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE DATA ROOM AND ALL INSTALLATION REQUIREMENTS. REFER TO CHASE TELECOMM ELEVATIONS FOR ALL MOUNTING HEIGHTS AND FINAL LOCATIONS.
  3. REFER TO JPMC RETAIL STRUCTURED CABLING STANDARDS FOR ADDL. INFO. COORDINATE FINAL EQUIPMENT LOCATIONS W/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.
  4. ELECTRICAL CONTRACTOR TO COORDINATE ALL SECURITY EQUIPMENT LOCATIONS WITH SECURITY VENDOR AND CHASE. ONLY EXTERIOR LOCATIONS ARE SHOWN ON THESE PLANS FOR COORDINATION DURING CONSTRUCTION.
  5. THE BCM OFFICE SHALL BE DETERMINED IN FIELD BY BRANCH STAFF. CONTRACTOR TO COORDINATE THE LOCATION OF BCM OFFICE WITH BRANCH STAFF FOR THE INSTALLATION OF THE HOLD-UP BUTTON.
  6. REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL LOCATIONS AND MOUNTING HEIGHTS FOR DATA AND TELEPHONES.
- # ELECTRICAL KEYNOTES:**
1. 4"x4"x2-1/8" JUNCTION BOX-PROVIDE A 3/4" W/PULLWIRE BACK TO SECURITY EQUIPMENT IN DATA ROOM. VERIFY MOUNTING HEIGHT PRIOR TO ROUGH IN.
  2. 4"x4"x2-1/8" JUNCTION BOX WITH BLANK COVER (FIELD COORDINATE EXACT ROUGH-IN REQUIREMENTS PRIOR TO ROUGH IN AND ADJUST ACCORDINGLY). PROVIDE A 1" WITH PULL WIRE TO ALARM CONTROL CABINET.
  3. ELECTRICAL CONTRACTOR TO PROVIDE TWO 2" CONDUITS FROM THE DATA RACK TO THE CARRIER POINT OF ENTRY. ONE CONDUIT FOR TELECOMM SERVICE PROVIDER TO EXTEND DEMARCATION INTO THE NEW DATA RACK. ONE CONDUIT WILL BE OWNER SPARE. ELECTRICAL CONTRACTOR TO COORDINATE ALL ROUTING WITH BUILDING OWNER AND TELECOMMUNICATIONS CARRIER PRIOR TO INSTALLATION. REFER TO ENLARGED PLAN AND ELEVATIONS SHEET AS WELL AS TELECOMM DRAWINGS PREPARED BY GTI DESIGN TEAM FOR ADDITIONAL INFORMATION.
  4. ROUTE CONDUIT THROUGH RACEWAY IN MILLWORK TO SURFACE MOUNTED DEVICES AS SHOWN. COORDINATE WITH MILLWORK PROVIDER PRIOR TO INSTALL.
  5. ROUTE ONE 1-1/4" CONDUIT AND ONE 3/4" CONDUIT FROM THE DATA ROOM TO END OF THE TELLER LINE AS SHOWN. CONCEAL CONDUITS IN WALL AND TERMINATE AT J-BOX FOR CONNECTION TO FLOOR MOUNTED RACEWAY. REFER TO ARCHITECTURAL SHEETS.
  6. PROVIDE JUNCTION BOX AT +11.4' AFF FACING INTO ATM ROOM ABOVE CEILING, FOR WIFI ANTENNA. PROVIDE A 3/4" FROM JUNCTION BOX STUBBED UP INTO CEILING SPACE OF LOBBY AREA.
  7. REFER TO UNDERGROUND CONDUIT PLAN SHEET FOR UNDERGROUND CONDUIT AND CABLING ROUTING FOR DEVICES IN THIS AREA.
  8. PROVIDE 1/2" (1#6AWG, CU, GND) FROM DATA RACK & PHONE SYSTEM GROUND BUSS TO ELECTRICAL SERVICE GROUND ELECTRODE SYSTEM, REFER TO SERVICE GROUND DETAIL ON POWER DETAILS AND SCHEDULES SHEET FOR ADDITIONAL INFORMATION.
  9. PROVIDE RING EXTENSION FOR 5/8" GYPSUM BOARD AND 3/4" PLYWOOD FOR ALL WALL MOUNTED JUNCTION BOXES IN DATA ROOM.
  10. 4"x4"x2-1/8" JUNCTION BOX-PROVIDE A 3/4" W/PULLWIRE STUB UP TO ACCESSIBLE CEILING SPACE.
  11. ROUTE DATA CONDUIT THROUGH RACEWAY TO SURFACE MOUNTED ATM AS SHOWN. COORDINATE ALL INSTALLATION REQUIREMENTS WITH ATM MANUFACTURER PRIOR TO INSTALLATION.
  12. PROVIDE A CARD READER DOOR ACCESS ENTRY SYSTEM AND AUTOMATIC DOOR OPERATOR WITH ELECTRIC STRIKE SYSTEM. CONCEAL CONDUIT, WIRING ETC. FOR A COMPLETE OPERATING SYSTEM. SEE HARDWARE SPECIFICATION SECTION.
  13. ELECTRIC STRIKE FOR 24-HOUR VESTIBULE DOOR OPERATION ONLY.
  14. PROVIDE A RACEWAY TO THE VESTIBULE DOOR CONTROL PANEL IN THE ELECTRICAL ROOM FOR THE PURPOSE OF PROVIDING DATA TO THE AUTOMATIC DOOR OPENING SYSTEM AND ELECTRICAL STRIKE SYSTEM.
  15. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A RACEWAY TO THE FRONT VESTIBULE DOOR FRAMES FOR THE PURPOSE OF RUNNING WIRES FOR THE AUTOMATIC DOOR OPENER PUSH BUTTON AND ASSOCIATED EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT AND JUNCTION BOXES INCLUDING FLEXIBLE CONDUIT, IF REQUIRED, AS WELL AS PULL WIRES AS REQUIRED.
  16. PROVIDE A PUSH BUTTON FOR AUTOMATIC DOOR OPERATION WITH CONCEALED CONDUIT, WIRING ETC. CONNECT TO SYSTEM CONTROL PANEL. FOR A COMPLETE OPERATING SYSTEM, SEE HARDWARE SPECIFICATION SECTION.
  17. REMOTE DUCT MOUNTED SMOKE DETECTOR TEST SWITCH. PROVIDE SYSTEM SENSOR MODEL APA151 ANNUNCIATOR WITH PIEZO ALERT OR EQUIVALENT AND SYSTEM SENSOR MODEL RTS151 KEY TEST SWITCH OR EQUIVALENT. ACTIVATION OF A DUCT SMOKE DETECTOR SHALL INITIATE A VISIBLE AND AUDIBLE SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
  18. COORDINATE WITH CHASE SECURITY TEAM FOR FINAL LOCATION AND POWER REQUIREMENTS FOR THE WIRELESS RECEIVER FOR THE HUB.
  19. TELEPRESENCE CONTROL PANEL, MICROPHONE AND VIDEO INPUT TO BE HOUSED IN LIVING ROOM TABLE. E.C. TO PROVIDE DATA RECEPTACLE AND JUNCTION BOX WITH 1" CONDUIT STUBBED UP TO PAC BOX (IF PRESENT). OTHERWISE ROUTE THE 1" CONDUIT TO ABOVE CEILING FOR TELE-PRESENCE EQUIPMENT AT CAFE AREA. REFER TO JPMC RETAIL STRUCTURED CABLING STANDARDS FOR ADDL. INFO. COORDINATE FINAL DEVICE LOCATIONS W/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.
  20. E.C. TO PROVIDE DATA OUTLETS AND A 1" CONDUIT ROUTED TO PAC BOX FOR LIVING ROOM TELE-PRESENCE MONITOR. ROUTE CABLE AND WIRING OVERHEAD FROM MONITORS AS REQUIRED. ROUTE 1" CONDUIT FROM PAC BOX ABOVE CEILING TO DATA ROOM AS REQUIRED. REFER TO JPMC RETAIL STRUCTURED CABLING STANDARDS FOR ADDL. INFO. COORDINATE FINAL DEVICE LOCATIONS W/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.
  21. E.C. TO PROVIDE DATA BOX WITH 1" CONDUIT STUBBED ABOVE CEILING FOR COMMUNITY WALL TELE-PRESENCE MONITOR. ROUTE CABLE AND WIRING OVERHEAD FROM MONITORS AS REQUIRED. REFER TO JPMC RETAIL STRUCTURED CABLING STANDARDS FOR ADDL. INFO. COORDINATE FINAL DEVICE LOCATIONS W/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.
  22. DOOR ALARM POWER SUPPLY LOCATED ABOVE CEILING OVER DOOR. ROUTE 3/4" CONDUIT TO CENTER DOOR HINGE FOR POWER TRANSFER. HINGE CONNECTION BY DOOR HARDWARE INSTALLER. COORDINATE CONDUIT HEIGHT AND LOCATION WITH DOOR FRAME INSTALLATION. DOOR ALARM POWER SUPPLY SERVICE SWITCH LOCATED ABOVE CEILING. REFER TO DOOR HARDWARE SCHEDULE ON ARCHITECTURAL DRAWINGS AND COORDINATE WITH DOOR AND HARDWARE VENDOR FOR ADDITIONAL INFORMATION.

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

**CHASE**  
JP MORGAN CHASE, N.A.  
HWY 291 & NE LANGSFORD RD  
890 NE LANGSFORD RD  
LEE'S SUMMIT, MO 64063  
CHASE OVP #38200P368999

**CORE STATES**  
GROUP  
CORESTATES, INC.  
46 East Main Street Suite 201  
Somerville, NJ 08876  
908.442.9700  
www.core-states.com

ENGINEER OF RECORD

STATE OF MISSOURI  
PROFESSIONAL ENGINEER  
JOHN FERGUSON, P.E.  
MISSOURI  
LICENSE #: 2008014085  
06/01/2021

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JOHN FERGUSON, P.E.  
MISSOURI  
LICENSE #: 2008014085

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET
1	2021.04.20	STRUCTURAL STEEL REV
2	2021.06.03	PLAN REVIEW COMMENTS, RDC21 & WIRELESS UPDATE

PROJECT INFORMATION		
PROJECT NO:	JPM.27135.001	
DATE:	2020.12.21	
PROTOTYPE:	20.2	
DRAWN BY:	D. BORELLI	
CHECKED BY:	D. MULVANEY	
VERSION:	SE_1.00	

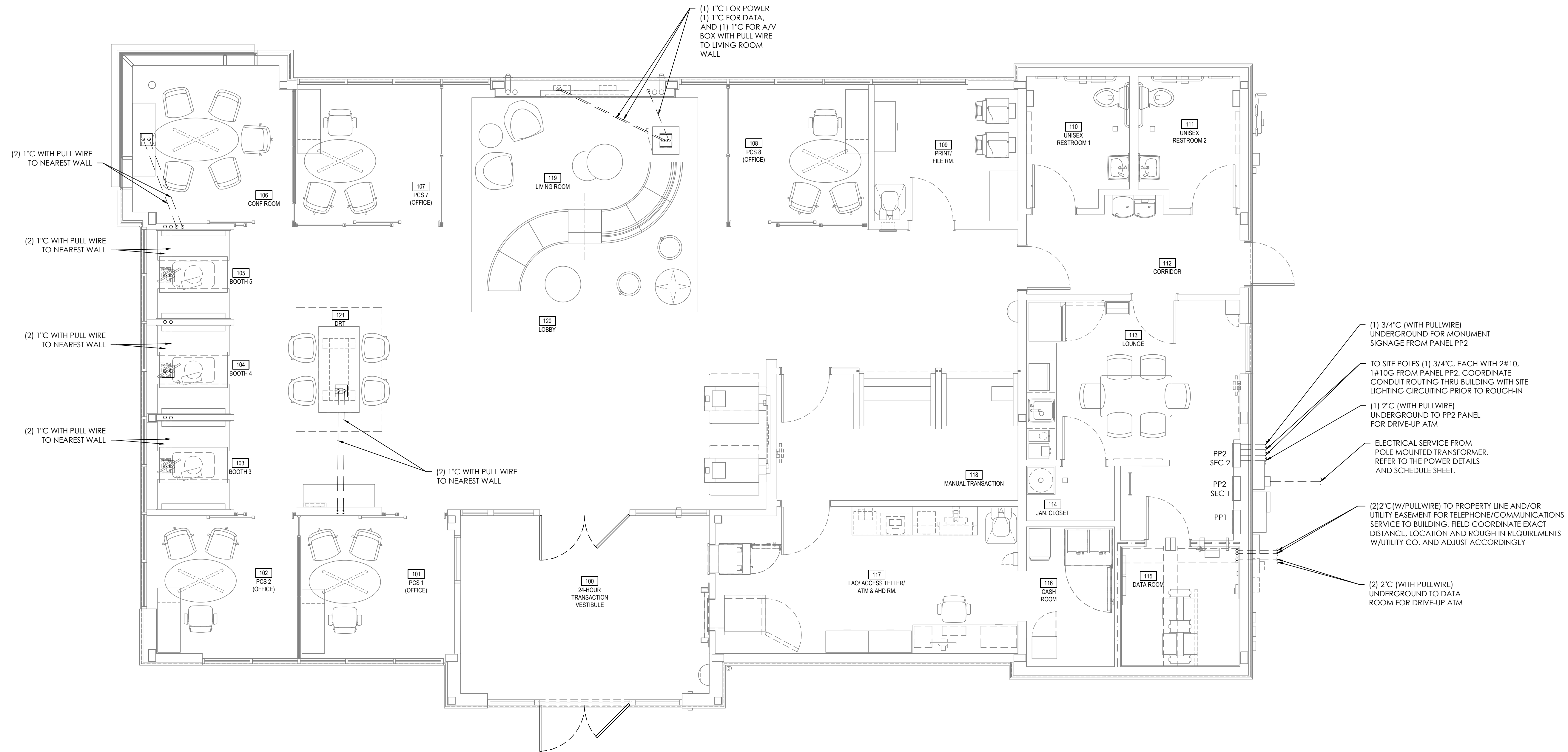
SHEET TITLE

SYSTEMS  
PLAN

SHEET NUMBER

E4.0





UNDERGROUND CONDUIT PLAN

SCALE  
1/4" = 1'

1

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LEE'S SUMMIT, MISSOURI  
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PROTOTYPE:	20.2
DRAWN BY:	D. BORELLI
CHECKED BY:	D. MULVANEY
VERSION:	SE 1.00

SHEET TITLE

UNDERGROUND  
CONDUIT PLAN

SHEET NUMBER

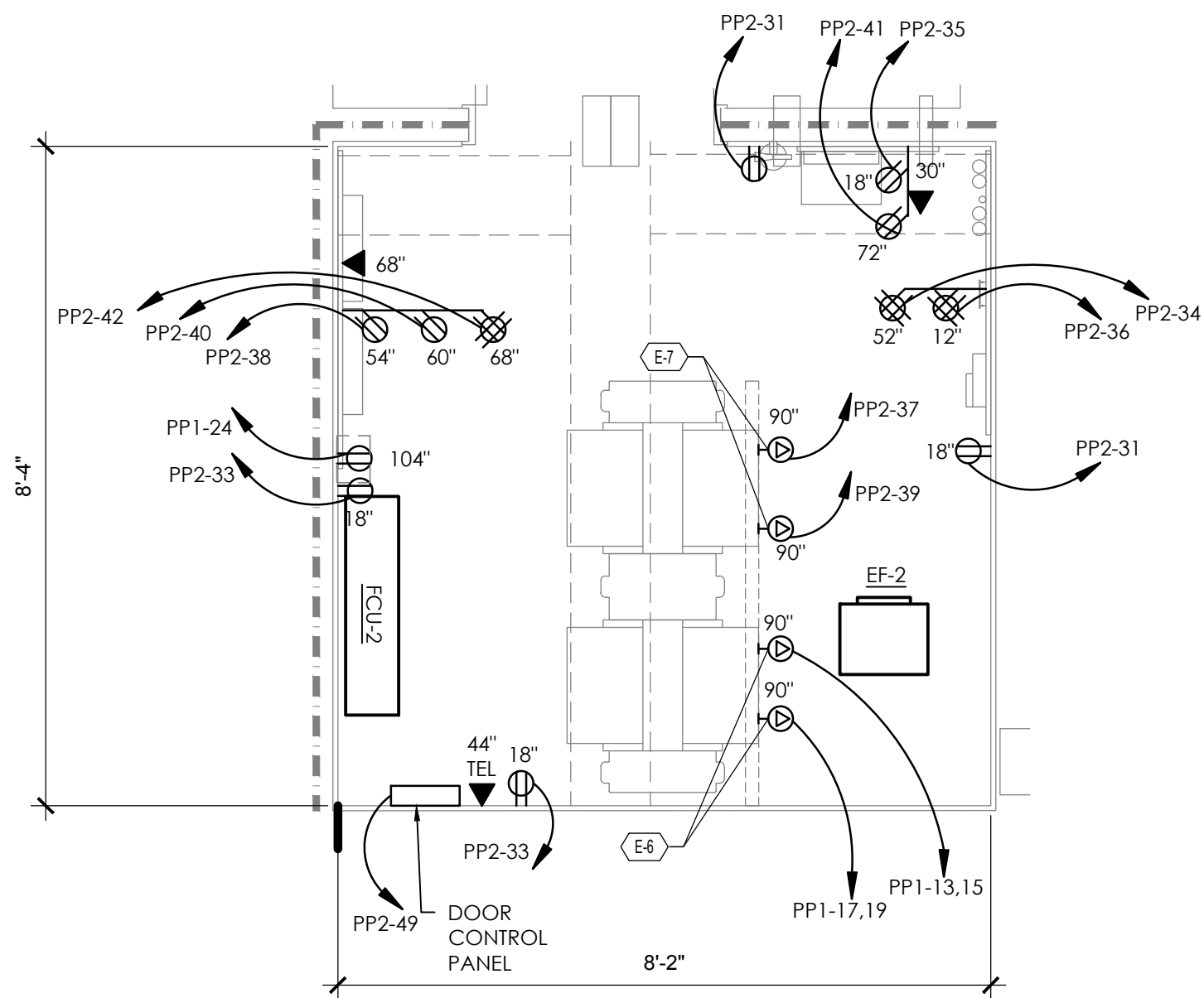
E5.0



DATA ROOM DIAGRAM KEY			
E-1	ELEC PANEL: MAIN (NOT IN DATA ROOM)	D-1	DATA RACK / CABLE TRAY COMPONENTS
E-2	ELEC. PANEL: DISTRIBUTION (NOT IN DATA ROOM)	D-2	(2) 4" DATA CABLE FIRE RATED SLEEVES PROVIDED BY OWNER AND INSTALLED BY G.C. (2 LOCATIONS)
E-3	ELEC. PANEL: DISTRIBUTION (NOT IN DATA ROOM)		
E-4	TELECOMM GROUND BUSBAR, MOUNT 6" BELOW BOTTOM OF LADDER RACK	TV-1	CATV EQUIPMENT: 24"W x 12"H
E-5	120V/20A ELEC. OUTLET- DUPLEX OR QUADRUPLX AS SHOWN- RECESSED OR SURF. MTD.		
E-6	(2) DEDICATED 208V/30A ELEC OUTLETS - TWIST-LOCK, NEMA L14-30	S-1	SECURITY EQUIPMENT: 48"W x 66"H
E-7	(2) DEDICATED 120V/20A ELEC OUTLETS - TWIST-LOCK, NEMA L5-20R	S-2	2" MUSIC SYSTEM AND BMS CABLING FIRE RATED SLEEVE PROVIDED BY OWNER AND INSTALLED BY G.C.
E-8	2" CONDUITS FOR EXTERIOR ATM LOCATION W/ 2" 3-CELL MAXCELL INNERDUCT AND SWEEPING 90-DEGREE BENDS	S-3	4" SECURITY CABLE FIRE RATED SLEEVE PROVIDED BY OWNER AND INSTALLED BY G.C.
E-9	MANUAL TOGGLE LIGHT SWITCH		
E-10	DOOR CONTROL PANEL		
		M-1	FAN COIL UNIT AND CONDENSATE PUMP - PROVIDE DEDICATED SYSTEM THAT MEETS ROOM TEMPERATURE AND HUMIDITY REQUIREMENTS IN JPMC RETAIL STRUCTURED AND CABLING STANDARDS, APPENDIX B
T-1	TELECOM CARRIER #1: 36"W X 36"H	M-2	SECURITY MOTION SENSOR
T-2	12-PORT FIBER ENCLOSURE FOR EXTENSION OF CARRIER CONNECTIONS TO RACK. LABEL PORTS TO MATCH RACK MOUNTED FIBER PANEL.	M-3	MOOD MUSIC EQUIPMENT: 15"W X 24"H
T-3	1" CONDUIT TO ROOF LOCATION FOR FUTURE ANTENNA CABLING.	M-4	SURFACE-MOUNT DATA NETWORK JACK
T-4	(2) 2" CONDUITS FOR TELECOM SERVICE W/ 2" 3-CELL MAXCELL INNERDUCT - COORD. LOCN. W/ UTILITY	M-5	WALL BRACKET FOR REMOTE THERMOSTAT
T-5	12-PORT OUTPUT FOR COPPER EXTENSION OF CARRIER CONNECTIONS TO RACK.	M-6	DRAWING STORAGE TUBE
T-6	PROTECTIVE SURGE PROTECTION FOR EACH CAT6 AND CAT6A CABLES FOR POLE MOUNTED SECURITY CAMERAS AND ATM ISLAND/CANOPY DEVICES. PROVIDE ITW #CAT6-75 PROTECTION FOR EACH CAT 6 CABLE AND ITW #CAT6A-75 FOR EACH CAT6A CABLE. BOND TO GROUNDING BAR PER MANUFACTURER'S REQ'S	M-7	STRUCTURED CABLING FLOOR PLAN: 48"W X 36"H
		M-8	TELEPHONE
		M-9	FIRE EXTINGUISHER
		B-1	BMS EQUIPMENT: 15"W X 54"H

ELECTRICAL GENERAL NOTES:

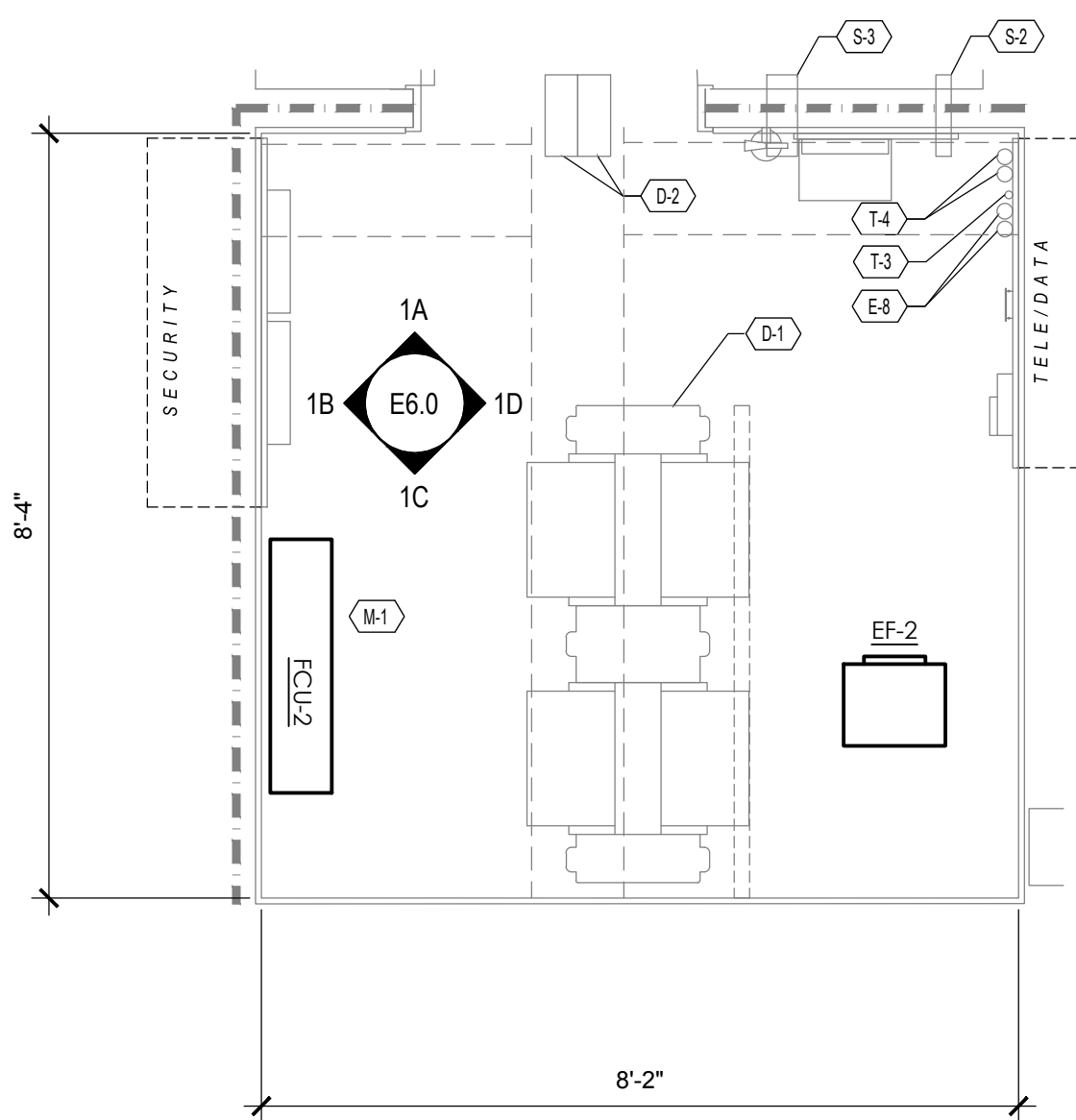
- REFER TO CHASE TELECOMM DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE DATA ROOM AND ALL INSTALLATION REQUIREMENTS. REFER TO CHASE TELECOMM ELEVATIONS FOR ALL MOUNTING HEIGHTS AND FINAL LOCATIONS
- THE ELECTRICAL/DATA ROOM MUST BE 100% COMPLETE AT A MINIMUM OF 45 DAYS PRIOR TO CONSTRUCTION COMPLETION/TURNOVER DATE.
- ELECTRICIAL CONTRACTOR TO COORDINATE ALL SECURITY EQUIPMENT LOCATIONS WITH SECURITY VENDOR AND CHASE.
- ALL CARRIER AND SECURITY CABLING MUST BE AFFIXED TO WALL AND/OR CONVEYANCE WITH HANGERS, VELCRO, AND TIES; NO HANGING CABLES.
- REFER TO JPMC RETAIL STRUCTURED CABLING STANDARDS FOR ADDL. INFO. COORDINATE FINAL EQUIPMENT LOCATIONS W/ THE TELECOMM DRAWINGS PREPARED BY THE ASSIGNED PROJECT GTI DESIGNER.



ELECTRICAL SYSTEMS PLAN

SCALE  
1/2" = 10'

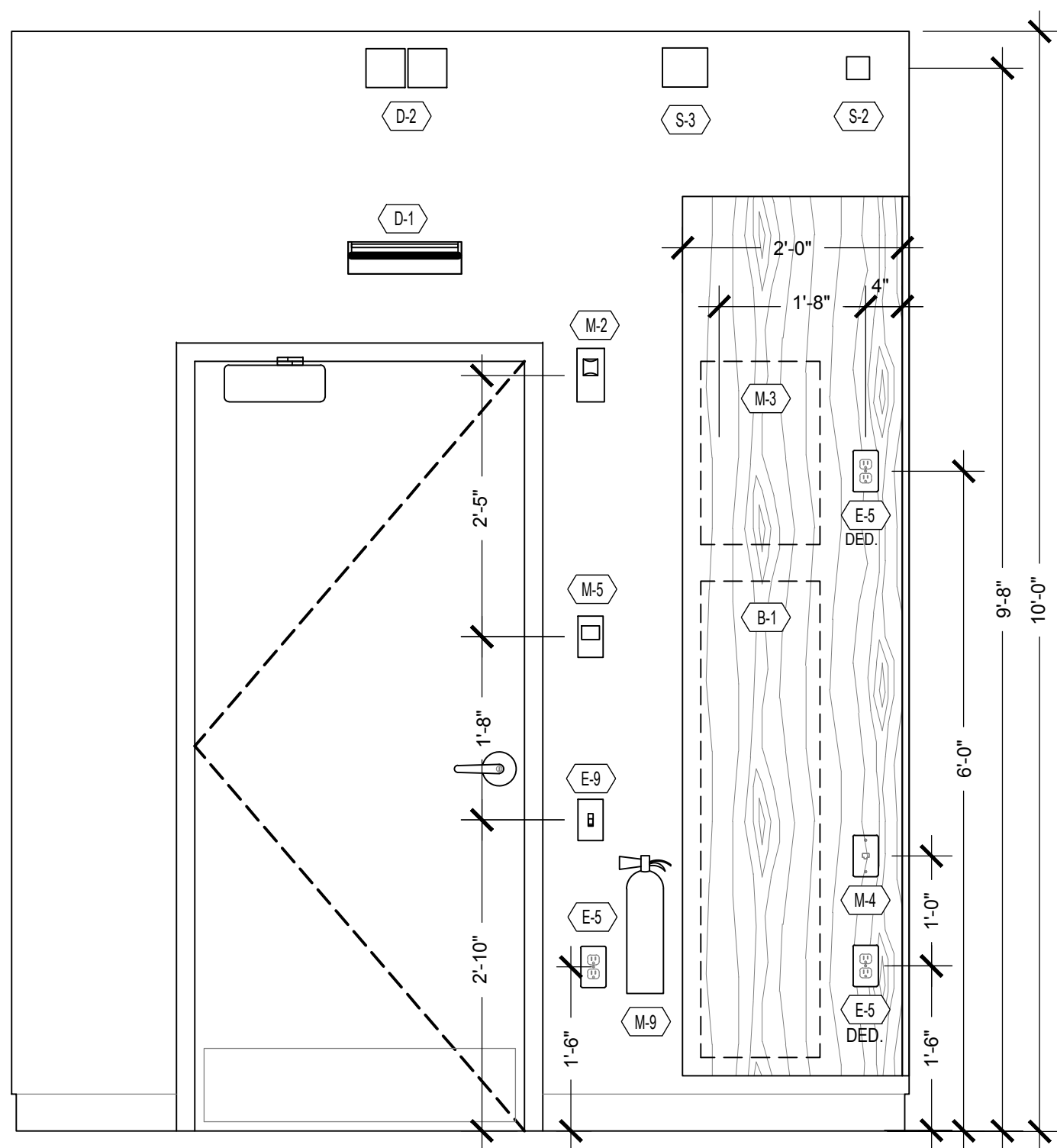
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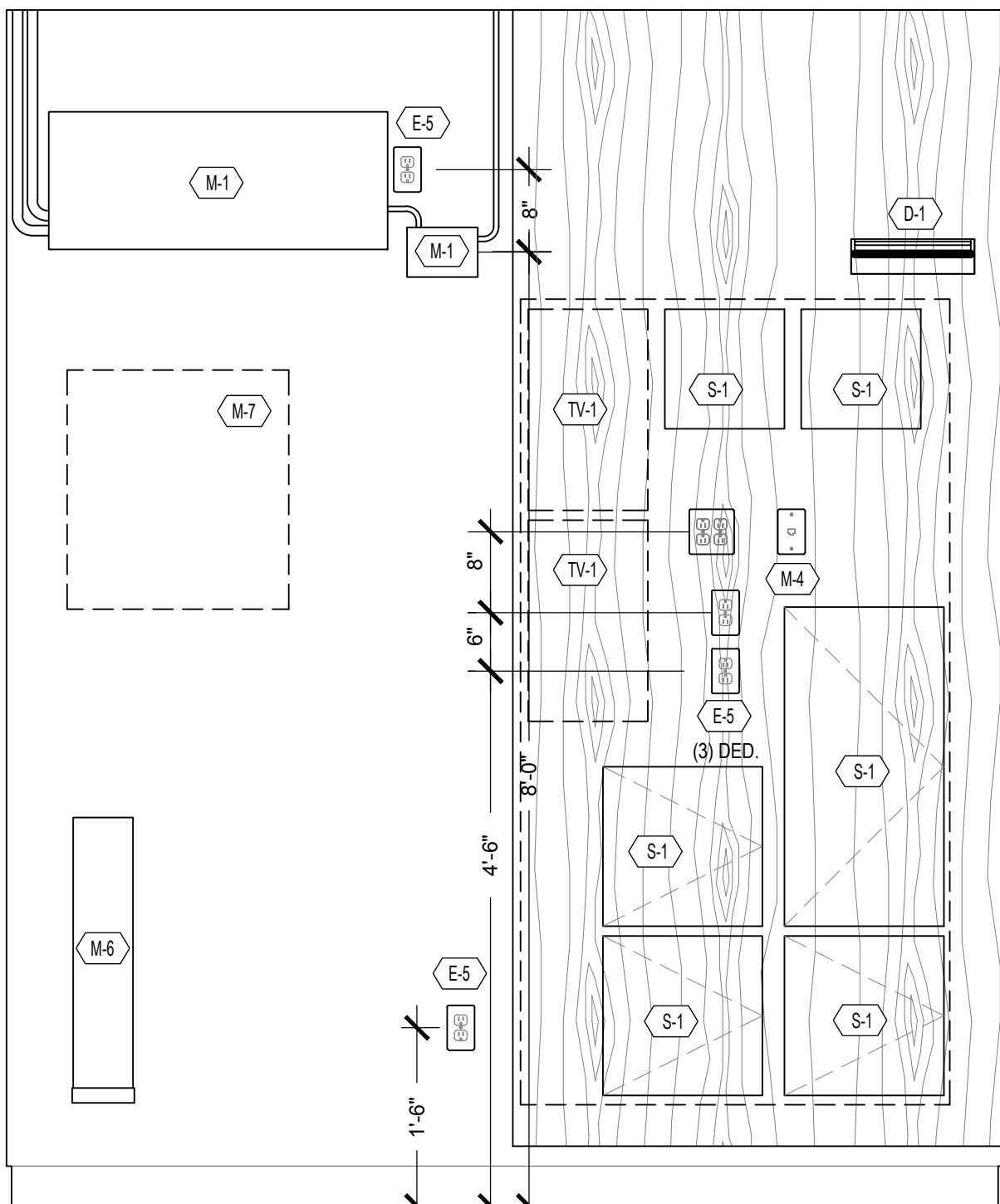
ENLARGED DATA ROOM PLAN

SCALE  
1/2" = 10'

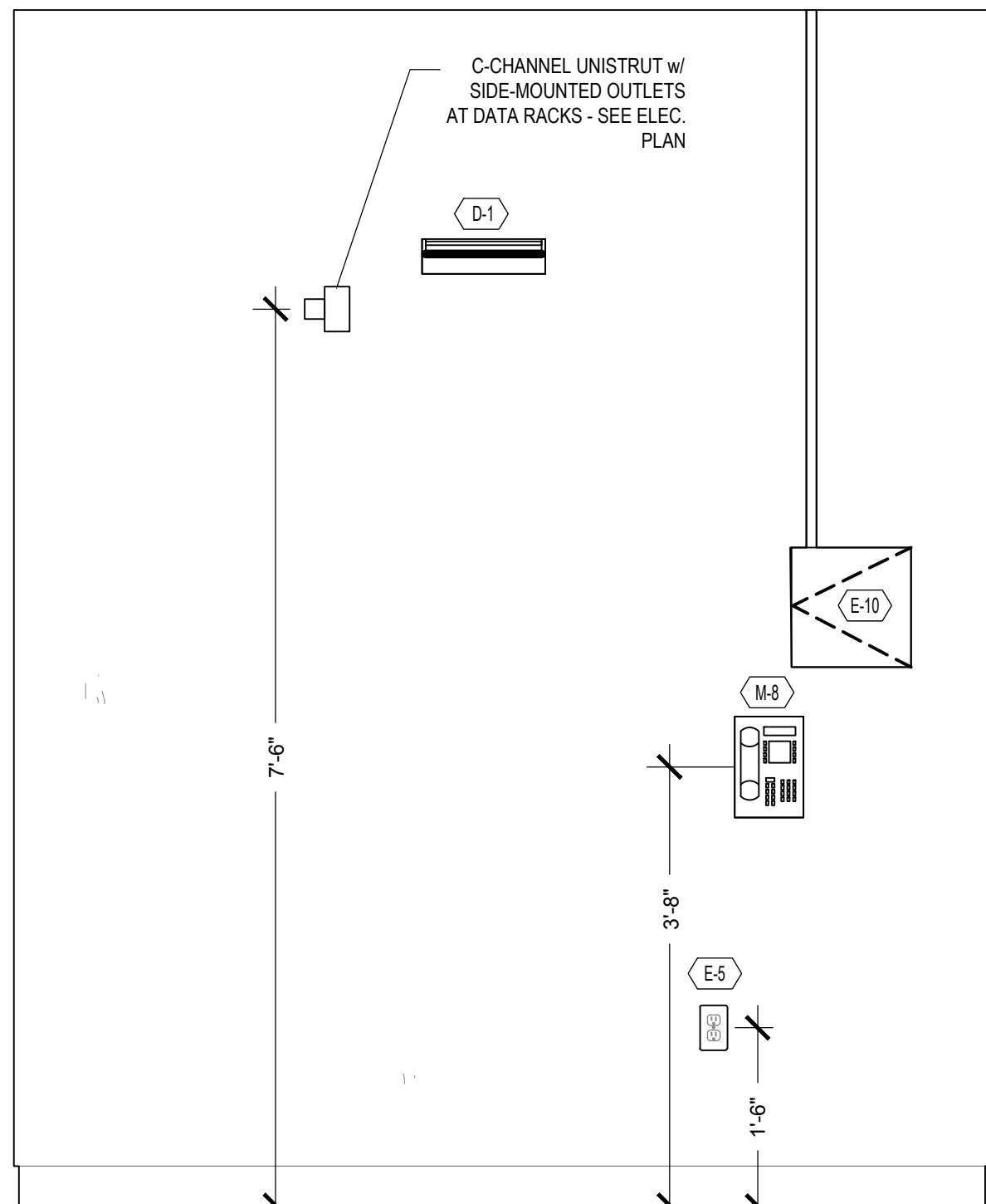
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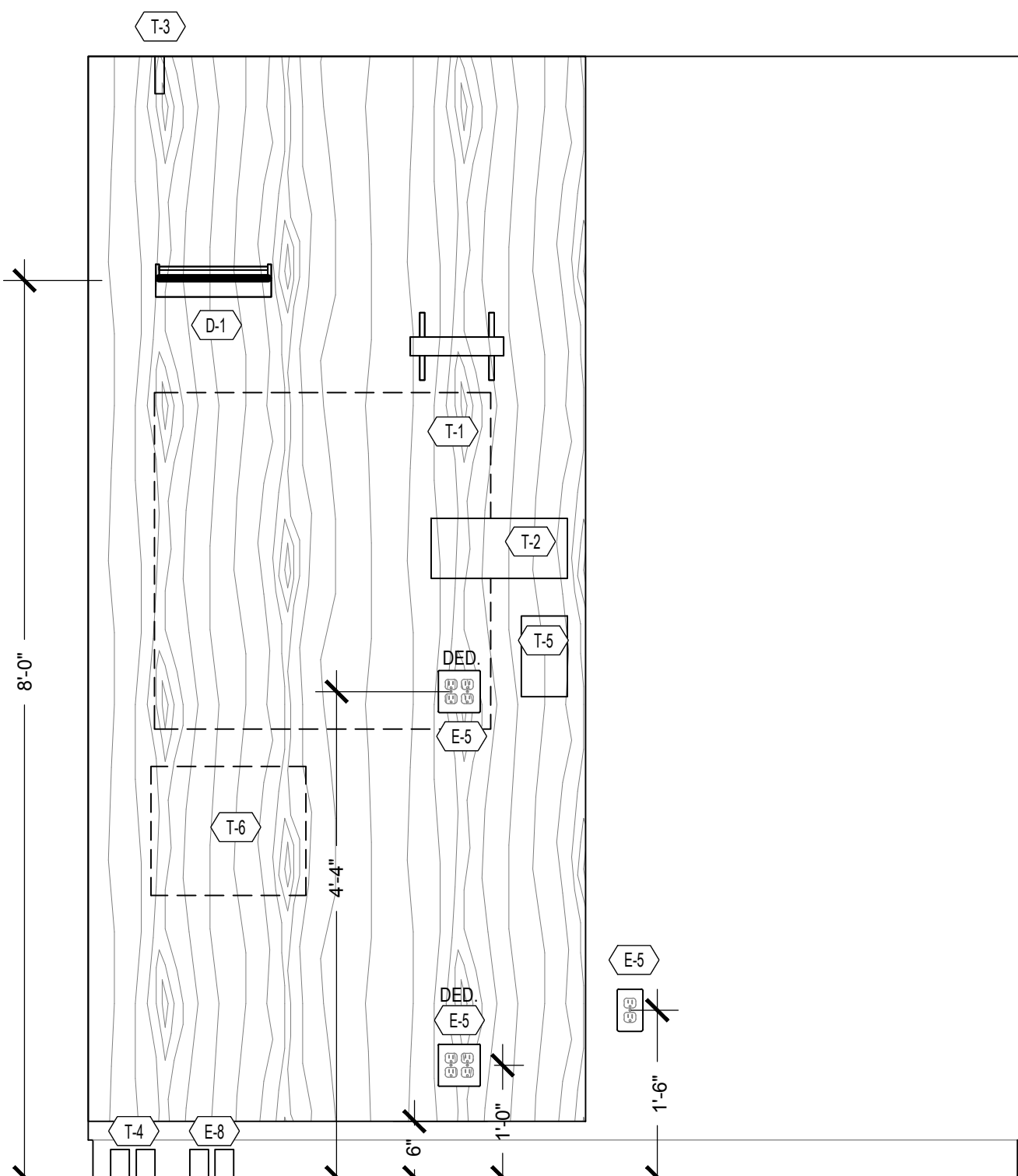
INTERIOR ELEVATION 1A  
E6.0



1B  
E6.0 INTERIOR ELEVATION



1C  
E6.0 INTERIOR ELEVATION



1D  
E6.0 INTERIOR ELEVATION

DATA ROOM ELEVATIONS

SCALE  
3/4" = 10'

1

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LEE'S SUMMIT, MISSOURI  
08/13/2021

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**CORE STATES**  
GROUP  
46 East Main Street Suite 201  
Somerville, NJ 08876  
908.462.9700  
www.core-states.com  
CORPORATES, INC.

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01/19/2021

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JOHN FERGUSON, P.E.  
MISSOURI  
LICENSE # 2008014085

ISSUE	DATE	DESCRIPTION
-	2020.12.21	PERMIT SET


PROJECT INFORMATION

PROJECT NO: JPM.27135.001  
DATE: 2020.12.21  
PROTOTYPE: 20.2  
DRAWN BY: D. BORELLI  
CHECKED BY: D. MULVANEY  
VERSION: SE.1.00

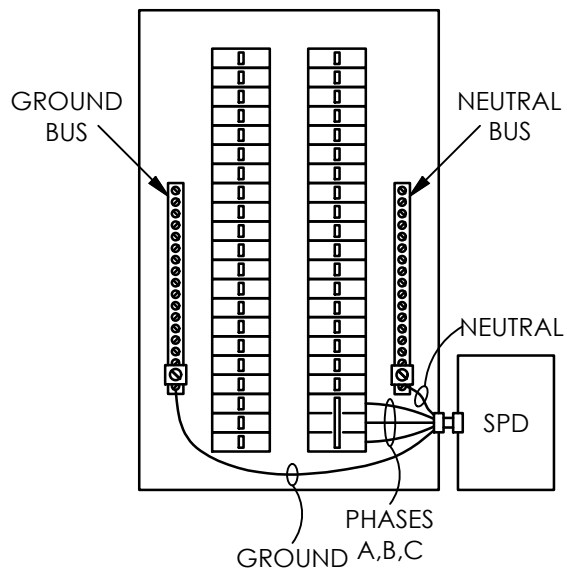
SHEET TITLE

ENLARGED PLAN  
AND ELEVATIONS

SHEET NUMBER

E6.0



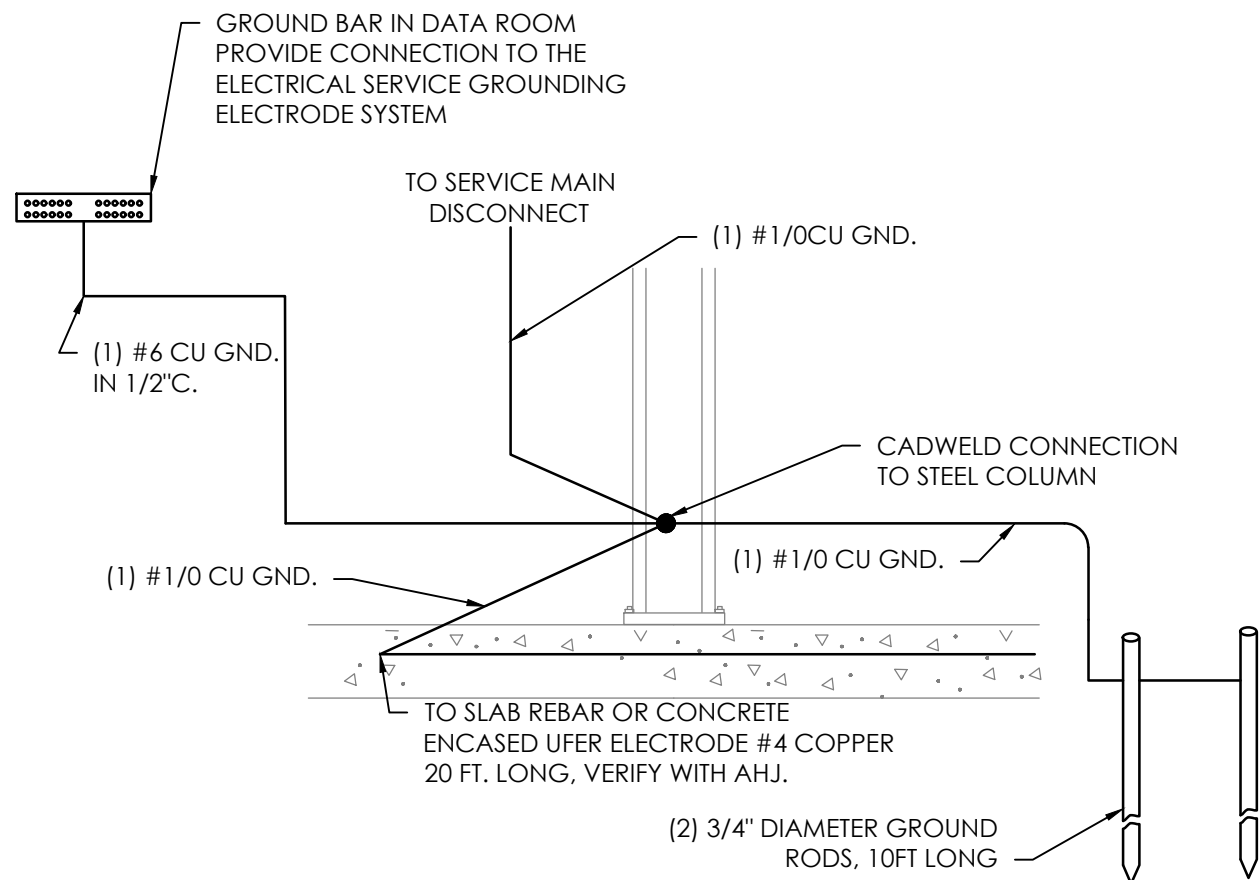


- CONNECT SPD TO BREAKER AS FOLLOWS:  
2P30 FOR 1 PHASE  
3P30 FOR 3 PHASE
- RELOCATE BREAKER IN PANEL AS NECESSARY TO PROVIDE THE SHORTEST WIRE LENGTH TO SPD.
- DIRECT CONNECTION TO BUS IS NOT PERMITTED.
- USE A CHASE NIPPLE CONNECTION VIA KNOCKOUT.
- USE #10 AWG OR LARGER CONDUCTORS.
- LIMIT WIRE LENGTH TO 18" OR LESS.
- KEEP WIRE FREE OF ANY SHARP BENDS.
- SPD TO BE MODULAR, UL 1449 3RD EDITION LISTED.
- 100 KA PER PHASE, 600V CLAMPING.

SPD PANELBOARD SCHEMATIC

SCALE  
NTS

3

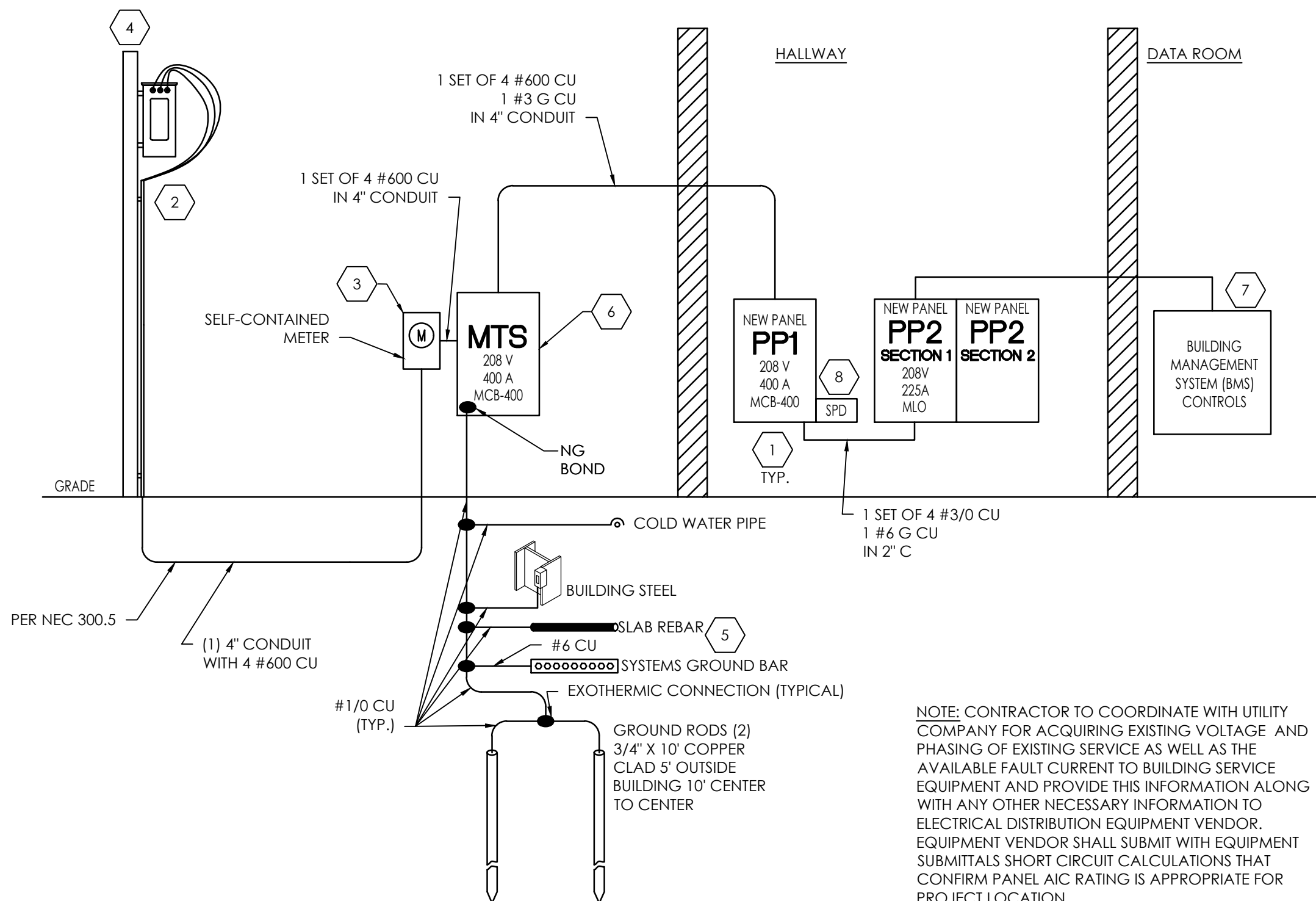


SERVICE GROUNDING

SCALE  
NTS

2

DEDICATED ELECTRICAL SERVICE HAS NOT BEEN FINALIZED. ALL INFORMATION REGARDING ELECTRICAL SERVICE IS SUBJECT TO CHANGE PENDING COORDINATION WITH UTILITY COMPANY.



NOTE: CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR ACQUIRING EXISTING VOLTAGE AND PHASING OF EXISTING SERVICE AS WELL AS THE AVAILABLE FAULT CURRENT TO BUILDING SERVICE EQUIPMENT AND PROVIDE THIS INFORMATION ALONG WITH ANY OTHER NECESSARY INFORMATION TO ELECTRICAL DISTRIBUTION EQUIPMENT VENDOR. EQUIPMENT VENDOR SHALL SUBMIT WITH EQUIPMENT SUBMITTALS SHORT CIRCUIT CALCULATIONS THAT CONFIRM PANEL AIC RATING IS APPROPRIATE FOR PROJECT LOCATION.

POWER RISER DIAGRAM

SCALE  
NTS

1

PANELBOARD: PP1 (NEW)

FAULT CURRENT: REFER TO POWER RISER DIAGRAM

BUS AMPS: 400A MAIN SIZE/TYPE: 400A MCB VOLTS/PHASE: 208Y/120V, 3PH, 4W SERVES: CHASE BANK LOCATION: LOUNGE												EQUIPMENT GROUND BUS SUB FEED LUGS												
FAULT CURRENT: REFER TO POWER RISER DIAGRAM																								
MOUNTING: RECESSED																								
CKT NO.	DESCRIPTION			VA/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VA/PHASE			DESCRIPTION			CKT NO.						
	A	B	C									A	B	C										
1	5,764											3,603						2						
3		5,764					6	60	3	3	40	8		3,603				4						
5			5,764											3,603				6						
7	1,441											2	30	10	2,496			8						
9		1,441					12	15	3					2,496				10						
11			1,441							2	30	10			1,768			12						
13	360						10	30	2			1,768						14						
15		360								2	20	12	1,560					16						
17			360				10	30	2				1,560					18						
19	360									1	20	12	100					20						
21		1,500					12	20	1	1	20	12	200					22						
23			1,500							1	20	12			400			24						
25	360						12	20	1	1	20	12	200					26						
27							20	1	1	20	12		180					28						
29										1	20							30						
31										1	1							32						
33										1	1							34						
35										1	1							36						
37										1	1							38						
39										1	30	10						40						
41										1								42						
PANEL PP2			12,410				3/0	200	3															
				14,172																				
					12,220																			
SUBTOTAL			20,695	23,237	21,285							8,167	8,039	7,331	SUBTOTAL									
TOTAL PHASE A - VA			28,862	LOAD			CONN. VA			DF			TOTAL PHASE B - VA			LOAD			CONN. VA			DF		
AMPS			241	COOLING			39,749			1.00			REFRIGERATION			8,400			1.25					
TOTAL PHASE B - VA			31,276	HEATING			4,992			0			SIGN/DISPLAY											
AMPS			261	LIGHTING			3,922			1.25			KITCHEN			1.00								
TOTAL PHASE C - VA			28,616	RECEPTACLES			24,560			1.0/5			EXISTING			1.00								
AMPS			238	MOTORS			2,500			1.00			LARGE MOTOR			1.25								
TOTAL PNL/B - VA			88,754	SUPP HEAT			1,000			1.00			SHOW WINDOW			1.25						84,555 VA		
AMPS			246	MISC EQUIP			9,623			1.00			LTG TRACK			1.00						235 A		



SYMBOLS LIST				
SYMBOL	DESCRIPTION	BACKBOX REQUIREMENTS (BY EC)	CONDUIT REQUIREMENTS (BY EC)	MOUNTING HEIGHT (UNLESS NOTED OTHERWISE)
<div>X ▽</div>	DATA OUTLET LOCATION, WALL MOUNTED. PROVIDE (X) CAT 6 RJ-45 JACKS, (X) HORIZONTAL CAT 6 CABLES, & A 4-PORT WHITE FACEPLATE. PROVIDE BLANKS FOR UNOCCUPIED PORTS. "X" DENOTES NUMBER OF JACKS /CABLES. WHEN NO NUMBER IS PRESENT IT SHALL BE ONE CAT 6 JACK/CABLE.	5" SQUARE, BY 2-7/8" DEEP BACKBOX WITH A SINGLE GANG REDUCER. PROVIDE RANDL INDUSTRIES T-55017 WITH D-51 SERIES REDUCER OR EQUAL. REDUCER TO MATCH DRY WALL THICKNESS.	MINIMUM OF ONE 1" CONDUIT TO ABOVE THE ACCESSIBLE CEILING.	TYPICAL - 18" AFF, SEE ARCHITECTURAL PLANS FOR EXACT HEIGHT
<div>X ▽ □</div>	DATA OUTLET LOCATION, FLOOR MOUNTED. PROVIDE (X) CAT 6 RJ-45 JACKS, (X) HORIZONTAL CAT 6 CABLES, & A 4-PORT FACEPLATE OR INSERT TO FIT FLOOR BOX. PROVIDE BLANKS FOR UNOCCUPIED PORTS. "X" DENOTES NUMBER OF JACKS/CABLES. WHEN NO NUMBER IS PRESENT IT SHALL BE ONE CAT 6 JACK/CABLE.	DUAL SERVICE POWER AND LOW VOLTAGE RECESSED BOX.	MINIMUM OF ONE 1" CONDUIT TO ABOVE THE ACCESSIBLE CEILING. REFER TO CABLE FILL CHART.	FLOOR
<div>X □ •</div>	DATA OUTLET LOCATION, TABLE-TOP MOUNTED. PROVIDE (X) CAT 6 RJ-45 JACKS, (X) HORIZONTAL CAT 6 CABLES, & INSERT TO FIT TABLE-TOP BOX. PROVIDE BLANKS FOR UNOCCUPIED PORTS. "X" DENOTES NUMBER OF JACKS/CABLES.	NOT APPLICABLE - FED FROM FLOOR JUNCTION BOX.	CONCEAL CABLING FROM FLOOR JUNCTION BOX WITHIN WIRE MESH.	TABLE TOP
<div>W ▽</div>	WALL MOUNTED TELEPHONE OUTLET LOCATION. WALL MOUNTED, 1-PORT OUTLET. PROVIDE (1) CAT 6 RJ-45 JACK, (1) HORIZONTAL CAT 6 CABLE, AND A 4-PORT FACEPLATE FOR MOUNTING A TELEPHONE.	5" SQUARE, BY 2-7/8" DEEP BACKBOX WITH A SINGLE GANG REDUCER. PROVIDE RANDL INDUSTRIES T-55017 WITH D-51 SERIES REDUCER OR EQUAL.	ONE 1" CONDUIT TO ABOVE THE ACCESSIBLE CEILING.	TYPICAL 44" AFF WITH A 6" CLEARANCE ON ALL SIDES OF FACEPLATE. SEE ARCHITECTURAL PLANS FOR EXACT HEIGHT
<div>TPC ▽</div>	TELEPRESENCE DATA OUTLET LOCATION, WALL MOUNTED. PROVIDE (1) CAT 6 RJ-45 JACK, (1) CAT6A, SHIELDED JACK, (2) 3.5mm OUTLETS, (1) HORIZONTAL CAT 6 UTP CABLE, (1) HORIZONTAL CAT 6A F/UTP CABLE, (2) 22 / 2 SHIELDED CABLES & A WHITE AV FACEPLATE. OUTLETS SHALL BE ANGLED. REFER TO FACEPLATE DETAIL FOR ADDITIONAL INFORMATION.	SINGLE GANG 3" X 2" X 2-3/4" BACK BOX	ONE 1" CONDUIT TO AV BACK BOX.	COORDINATE WITH AV DRAWINGS
<div>VM-AV ▽</div>	VIDEO MONITOR OUTLET LOCATION, WALL MOUNTED. PROVIDE (1) CAT6A SHIELDED JACK, (1) F/UTP HORIZONTAL CAT 6A CABLE, & 1 MULTIMEDIA STYLE FACEPLATE WITH 2 PORT ANGLED BEZEL. PROVIDE BLANKS FOR UNOCCUPIED PORTS. REFER TO DETAIL ON TC-302.	SINGLE GANG 3" X 2" X 2-3/4" BACK BOX	ONE 1" CONDUIT TO ABOVE THE ACCESSIBLE CEILING.	COORDINATE WITH AV DRAWINGS
<div>ATM ▽</div>	ATM DATA OUTLET LOCATION, WALL MOUNTED. PROVIDE (1) CAT6 & (1) CAT6A RJ-45 JACKS, (1) HORIZONTAL CAT6 CABLE, (1) HORIZONTAL CAT6A CABLE, & A 4-PORT WHITE FACEPLATE. PROVIDE BLANKS FOR UNOCCUPIED PORTS. REFER TO DETAIL ON TC-302.	5" SQUARE, BY 2-7/8" DEEP BACKBOX WITH A SINGLE GANG REDUCER. PROVIDE RANDL INDUSTRIES T-55017 WITH D-51 SERIES REDUCER OR EQUAL.	ONE 1" CONDUIT TO ABOVE THE ACCESSIBLE CEILING.	CONCEALED BEHIND ATM, COORDINATE WITH ATM DESIGN
<div>WAP ⊙ #</div>	WIRELESS ACCESS POINT OUTLET LOCATION. CEILING MOUNTED. PROVIDE (1) HORIZONTAL CAT 6A CABLE & A PLENUM RATED IN-CEILING CONNECTOR ASSEMBLY.	HARD CEILING LOCATIONS ONLY: 5" SQUARE, BY 2-7/8" DEEP BACKBOX WITH A SINGLE GANG REDUCER. PROVIDE RANDL INDUSTRIES T-55017 WITH D-51 SERIES REDUCER OR EQUAL. SPECIALTY, OR OPEN-TO-STRUCTURE CEILING: SEE INSTALLATION DETAILS	HARD CEILING LOCATIONS ONLY: ONE 1" CONDUIT TO ABOVE THE NEAREST ACCESSIBLE CEILING.	CEILING
<div>CAM ⊙</div>	SECURITY CAMERA LOCATION. CEILING MOUNTED. PROVIDE (1) HORIZONTAL CAT 6A CABLE, & A PLENUM RATED IN-CEILING CONNECTOR ASSEMBLY COILED ABOVE THE CEILING FOR THE SECURITY CONTRACTOR TO ACCESS AND CONNECT TO THE CAMERA.	HARD CEILING LOCATIONS ONLY: 5" SQUARE, BY 2-7/8" DEEP BACKBOX WITH A SINGLE GANG REDUCER. PROVIDE RANDL INDUSTRIES T-55017 WITH D-51 SERIES REDUCER OR EQUAL.	HARD CEILING LOCATIONS ONLY: ONE 1" CONDUIT TO ABOVE THE NEAREST ACCESSIBLE CEILING.	ABOVE ACCESSIBLE CEILING
<div>CAM ▽</div>	SECURITY CAMERA LOCATION. WALL MOUNTED. PROVIDE (1) HORIZONTAL CAT 6A CABLE & A PLENUM RATED IN-CEILING CONNECTOR ASSEMBLY COILED ABOVE THE CEILING FOR THE SECURITY CONTRACTOR TO ACCESS AND CONNECT TO THE CAMERA.	NONE REQUIRED.	NONE REQUIRED.	SEE SECURITY PLANS FOR MOUNTING HEIGHTS
<div>▬</div>	FIRE-RATED WALL SLEEVE FOR HORIZONTAL CABLING. PROVIDE SIZE AS INDICATED ON THE PLANS.	NOT APPLICABLE	NOT APPLICABLE	AT LEAST 6" ABOVE FINISHED ACCESSIBLE CEILING OF SURROUNDING SPACE
<div>▬ ▬</div>	WALL SLEEVE FOR HORIZONTAL CABLING TO CONNECT TWO ACCESSIBLE CEILINGS SEPARATED AN INACCESSIBLE CEILING. PROVIDE SIZE AS INDICATED ON THE PLANS.	NOT APPLICABLE	NOT APPLICABLE	AT LEAST 6" ABOVE FINISHED ACCESSIBLE CEILING OF SURROUNDING SPACE
<div>▬ ▬ ▬</div>	LADDER RACK/CABLE RUNWAY INSTALLED WITHIN THE RMER AND/OR RTR. FINISH SHALL BE WHITE. SIZE AS INDICATED ON THE FLOOR PLAN DRAWINGS.	NOT APPLICABLE	NOT APPLICABLE	8'-0" AFF
<div>⚡</div>	TELECOMMUNICATIONS GROUNDING BUSBAR.	NOT APPLICABLE	NOT APPLICABLE	6" BELOW LADDER RACK
<div>▬ ▬ ▬</div>	2-POST EQUIPMENT RACK WITH BLACK FINISH.	NOT APPLICABLE	NOT APPLICABLE	FLOOR
<div>▬ ▬</div>	VERTICAL WIRE MANAGER MOUNTED TO EITHER SIDE OF THE EQUIPMENT RACK WITH A BLACK FINISH. SIZE AS NOTED.	NOT APPLICABLE	NOT APPLICABLE	RACK
<div>3 4</div>	REFERENCE TO ANOTHER DRAWING VIEW. EXAMPLE SHOWN REFERS TO DETAIL 1 ON DRAWING TC-XXX.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
NOTES: A. BACKBOXES SHALL BE AS FOLLOWS UNLESS ALTERNATE MANUFACTURER HAS BEEN APPROVED BY OPR: 1. BACKBOX WITH 1" AND 1-1/4" KNOCKOUTS: RANDL INDUSTRIES INC. PART #T-55017. 2. BACKBOX WITH 3/4" AND 1" KNOCKOUTS: RANDL INDUSTRIES INC. PART #T-55018. 3. BACKBOX WITH 1/2" AND 1" KNOCKOUTS: RANDL INDUSTRIES INC. PART #T-55019. 4. 1/2" RAISE SINGLE GANG REDUCERS: RANDL INDUSTRIES INC. D-51G012. 5. 5/8" RAISE SINGLE GANG REDUCERS: RANDL INDUSTRIES INC. D-51G058. 6. 3/4" RAISE SINGLE GANG REDUCERS: RANDL INDUSTRIES INC. D-51G034.				

OVERVIEW

JPMORGAN CHASE IS PROPOSING TO RENOVATE THE ENTIRE BUILDING LOCATED AT 890 E LANGSFORD RD, LEE'S SUMMIT, MO 64063 IN ORDER TO OCCUPY THIS SPACE. THERE IS A NEED TO INSTALL NEW STRUCTURED CABLING TO SUPPORT THEIR TELECOMMUNICATION REQUIREMENTS. THIS DOCUMENT CONTAINS THE SPECIFICATIONS FOR INSTALLING:

- CATEGORY 6 UTP, 6A UTP, & 6A F/UTP COPPER CABLING INFRASTRUCTURE AND ASSOCIATED HARDWARE
- TELECOM ROOM EQUIPMENT
- FIBER OPTIC CABLING AND ASSOCIATED HARDWARE

IN ADDITION TO THE FINAL DELIVERABLES MENTIONED IN THE JPMC STANDARDS, THE TC SHALL PROVIDE LAMINATED 'AS-BUILT'S' (18"x24") OF THE FLOOR PLAN DRAWINGS IN RMER/RTR, MOUNTED TO THE WALL. 'AS-BUILT' DRAWINGS SHALL BE SUBMITTED PRIOR TO THE COMPLETION OF THE PROJECT AND IN COORDINATION WITH THE JPMC PROJECT TEAM AS THEY PLAN THE MOVE.  
  
REFER ALL QUESTIONS TO OWNER'S PROJECT REPRESENTATIVE (OPR) LISTED BELOW:  
KEVIN BRENNAN  
JPMC  
PH. 614-217-5158  
EMAIL: kevin.m.brennan@jpmchase.com

BASE BID

ALL BID RESPONSES SHALL BE SUBMITTED ON A JPMC SUPPLIED BIDDERS RESPONSE FORM THAT IS INCLUDED IN THE BID PACKAGE. PROPER AND COMPREHENSIVE COMPLETION OF THE BIDDER PRICING FORMS IS A DETERMINING FACTOR IN THE CHOOSING OF THE CONTRACTOR. THE BASE BID SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE STRUCTURED CABLING SYSTEM (E.G., ALL CABLING, CONVEYANCE, PATCH PANELS, MISCELLANEOUS MATERIALS, LABELING, ETC. REGARDLESS OF MANUFACTURER SPECIFIC ITEMS AS IDENTIFIED IN THE BID). THE BIDDER IS RESPONSIBLE FOR ALL PERMITS AND SHALL INCLUDE THE COST IN THEIR BID. BIDDERS SHALL ALSO INCLUDE APPLICABLE TAXES IN THEIR RESPONSE.

ABBREVIATIONS	
AFF = ABOVE FINISHED FLOOR	MC = MECHANICAL CONTRACTOR
AFC = ABOVE FINISHED COUNTER	NEC = NATIONAL ELECTRICAL CODE
BAS = BUILDING AUTOMATION SYSTEM	NFPA = NATIONAL FIRE PROTECTION ASSOCIATION
BBC = BACKBONE BONDING CONDUCTOR	OPR = OWNER'S PROJECT REPRESENTATIVE
BICSI = BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL	PBB = PRIMARY BONDING BUSBAR
CAT = CATEGORY (CABLING)	PDU = POWER DISTRIBUTION UNIT
CCTV = CLOSED CIRCUIT TELEVISION	PM = PROJECT MANAGER
CM = CONSTRUCTION MANAGER	RBB = RACK BONDING BUSBAR
CP = CONSOLIDATION POINT	RBC = RACK BONDING CONDUCTOR
EC = ELECTRICAL CONTRACTOR	RMER = RETAIL MAIN EQUIPMENT ROOM
EMT = ELECTRICAL METALLIC TUBING	RTR = RETAIL TELECOMMUNICATIONS ROOM
ENT = ELECTRICAL NON-METALLIC TUBING	SBB = SECONDARY BONDING BUSBAR
ESD = ELECTROSTATIC DISCHARGE	SC = SECURITY CONTRACTOR
F/UTP = FOIL SHIELD WITH UNSHIELDED TWISTED PAIR	TBB = TELECOMMUNICATIONS BONDING BACKBONE
GC = GENERAL CONTRACTOR	TBC = TELECOMMUNICATIONS BONDING CONDUCTOR
GTI = GLOBAL TECHNOLOGY INFRASTRUCTURE	TC = TELECOMMUNICATIONS CONTRACTOR
IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION	TEBC = TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
ISO = INTERNATIONAL ORGANIZATION FOR STANDARDS	TIA = TELECOMMUNICATIONS INDUSTRY ASSOCIATION
LOB = LINE OF BUSINESS	UTP = UNSHIELDED TWISTED PAIR

INDEX OF DRAWINGS: TELECOMMUNICATIONS	
TC-000	TELECOM DRAWING & SYMBOL LIST, NOTES, & SCOPE OF WORK
TC-001	TELECOM BOOK SPECS
TC-002	TELECOM BOOK SPECS
TC-003	TELECOM BOOK SPECS
TC-004	TELECOM BOOK SPECS
TC-005	TELECOM BOOK SPECS
TC-101	TELECOM NEW FLOOR PLAN
TC-102	TELECOM SITE PLAN
TC-201	FIRST FLOOR ENLARGED RMER PLAN AND ELEVATIONS
TC-301	TELECOM SINGLE LINE DIAGRAM
TC-302	TELECOM TERMINATION DETAILS
TC-401	TELECOM INSTALLATION DETAILS
TC-402	TELECOM INSTALLATION DETAILS
TC-403	TELECOM INSTALLATION DETAILS
TC-501	AV SOLUTION #1 55" DISPLAY INSTALLATION DETAILS
TC-502	AV SOLUTION #3 75" DISPLAY INSTALLATION DETAILS
TC-503	AV SOLUTION #7 32" DISPLAY INSTALLATION DETAILS
TC-601	TELECOM MATERIALS AND PATCH PANEL SCHEDULES

CONDUIT REQUIREMENT CABLE FILL FOR UTP CABLE (CAT 6 OD = 0.24", CAT 6A OD = 0.285")			
CONDUIT TRADE SIZE	CONDUIT AREA (SQ IN)	40% FILL # OF CABLES	CAT 6 CABLES
1"	0.81	7	5
1-1/4"	1.27	11	9
1-1/2"	1.86	18	12
2"	3.26	28	21
3"	7.06	62	55
4"	12.56	111	92
ASSUMES INDUSTRY STANDARD AND NEC CODE IS TO DESIGN FOR A MAXIMUM OF 40% FILL. THE ACTUAL NUMBER OF CABLES WHICH CAN BE INSTALLED IN A PARTICULAR CONDUIT CAN BE LESS DEPENDING UPON CONDUIT LENGTH AND NUMBER OF BENDS. SEE CONDUIT INSTALLATION NOTES FOR MORE INFORMATION.			

IMPLEMENTATION RESPONSIBILITY MATRIX							
	GENERAL CONTRACTOR	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	SECURITY CONTRACTOR	AV CONTRACTOR	3RD PARTY	JPMC
INSTALLATION ITEMS							
STRUCTURED CABLING - HORIZONTAL AND BACKBONE CABLING, RACKS, PATCH PANELS, PATCH CORDS			F & I				
CONDUITS AND BACKBOXES FOR STRUCTURED CABLING, AV, AND SECURITY DEVICES		F & I					
CABLE SUPPORTS (OUTSIDE OF RMER/RTRs) FOR STRUCTURED CABLING			F & I				
LADDER RACKS (INSIDE RMER/RTRs) FOR STRUCTURED CABLING			F & I				
FIRE-RATED SLEEVES INTO THE RMER/RTR			F & I				
GROUNDING TO THE RMER/RTR INCLUDING THE WALL MOUNTED BUSBAR		F & I					
GROUNDING IN THE RMER/RTR FROM THE WALL MOUNTED BUSBAR TO THE RACK BUSBAR & ALL OTHER EQUIPMENT			F & I				
PLYWOOD BACKBOARDS	F & I						
NETWORK EQUIPMENT WITHIN RMER/RTR						I	F
RACK MOUNTED POWER DISTRIBUTION UNITS (PDUs) FOR IT EQUIPMENT			F & I				
RACK MOUNTED POWER DISTRIBUTION UNITS (PDUs) FOR AV EQUIPMENT					F & I		
POWER CORDS FOR NETWORK EQUIPMENT WITHIN THE RMER/RTR			F & I				
WIRELESS ACCESS POINTS				I			F
SECURITY DEVICES - CAMERAS, CARD READERS, ETC.				F & I			
AV EQUIPMENT - DISPLAYS, CONTROLS, SPEAKERS, AMPLIFIERS, ETC.					F & I		
WIRELESS CELLULAR ANTENNA SYSTEM						F & I	
WIRELESS CELLULAR ANTENNA SYSTEM PATHWAYS		F & I					
DEFINITIONS: F = FURNISH I = INSTALL							

TELECOM SCOPE OF WORK

NEW SCOPE OF WORK

A. THE COPPER STRUCTURED CABLING SOLUTION FOR THIS PROJECT SHALL BE COMMSCOPE/SYSTEMAX FOR UTP CABLING INFRASTRUCTURE AND BERK-TEKLEVITON FOR F/UTP CABLING INFRASTRUCTURE. THE FIBER STRUCTURED CABLING SOLUTION FOR THIS PROJECT SHALL BE CORNING.

B. FURNISH, INSTALL, LABEL AND TEST ALL CABLES AND COMPONENTS PER JPMC STRUCTURED CABLING STANDARDS.

C. THE TELECOMMUNICATIONS CONTRACTOR TO FURNISH AND INSTALL PATCH CORDS AT EVERY OUTLET LOCATION AND IN THE TELECOM ROOM, AND PATCH FROM THE PATCH PANEL TO NETWORK SWITCH IN THE RACK.

D. ALL OUTLETS, JACKS, CABLES, FACEPLATES AND PATCH PANEL IDs SHALL BE LABELED ACCORDINGLY TO REFLECT THE ACCURACY ON BOTH ENDS: TELECOMMUNICATION ROOM AND WORKSTATION.

E. WAP INSTALLATION: CONTRACTOR SHALL RECEIVE, UN-BOX, MOUNT, PATCH, AND RECORD RELEVANT INFORMATION FOR THE WIRELESS ACCESS POINTS FURNISHED BY THE OWNER. EACH WAP HAS TWO PATCHES THAT ARE INSTALLED FROM THE OUTLET TO THE WAP AND ONE ON THE RMER/RTR SIDE.

F. NETWORK ELECTRONICS EQUIPMENT RACK AND STACK: CONTRACTOR SHALL COORDINATE WITH JPMC GTI PROJECT MANAGER.

G. WALL PHONE INSTALLATION: CONTRACTOR SHALL RECEIVE, UN-BOX, MOUNT, PATCH, LABEL WALL PHONE BRACKETS, AND RECORD RELEVANT INFORMATION FOR THE WALL MOUNTED PHONES. THE WALL PHONE BRACKETS SHALL BE LABELED WITH THE TELECOMMUNICATIONS OUTLET LABEL ID ON THE TOP OF THE BRACKET SO IT IS VISIBLE AFTER THE WALL PHONE IS INSTALLED. THE CONTRACTOR SHALL ALSO MOUNT THE WALL PHONES. THE OWNER SHALL FURNISH THE WALL PHONES AND BRACKETS.

H. NETWORK TURN-UP: THE CONTRACTOR SHALL PROVIDE SUPPORT DURING NETWORK TURN-UP. THIS SHALL INCLUDE LABOR FOR TWO TECHNICIANS FOR OFF-HOURS WORK FOR TWO HOURS PER RMER AND/OR RTR.

GENERAL COORDINATION NOTES

A. RMERS AND RTRs SHALL NOT BE USED AS A PASS THROUGH (WHETHER UNDER A RAISED FLOOR OR ABOVE CEILING) FOR ANY OTHER TRADES ASIDE FROM STRUCTURED CABLING. ANY PENETRATIONS INTO THESE ROOMS, INCLUDING BUT NOT LIMITED TO ELECTRICAL OR MECHANICAL FIT-OUT TO SOLELY SUPPORT THE MERS AND TRS, SHALL BE ROUTED AWAY FROM THE TECHNOLOGY EQUIPMENT. ROUTING OF CONDUIT SHALL TAKE THE SHORTEST PATH INTO THESE ROOMS.

B. CONTRACTOR IS SOLELY RESPONSIBLE FOR DEVELOPING A STRUCTURED CABLING BILL OF MATERIALS FROM DESIGN DOCUMENTS PROVIDED. IN ALL CASES WHERE CONTRACTOR IDENTIFIES UNCLEAR OR IMPRECISE DRAWINGS OR SPECIFICATIONS DURING THE BIDDING OR QUOTATION PROCESS, CONTRACTOR SHALL CONTACT OPR, WHO SHALL FURNISH APPROPRIATE INTERPRETATION. UPON AWARD, CONTRACTOR ASSUMES RESPONSIBILITY FOR CORRECTING ANY AND ALL INCONSISTENCIES AT NO ADDITIONAL COST TO OWNER. HERE THE REQUIREMENTS OF CERTAIN SECTIONS OF THE SPECIFICATIONS ARE MORE STRINGENT THAN APPLICABLE CODES, RULES, REGULATIONS, AND ORDINANCES, THE SPECIFICATIONS SHALL APPLY. THE CONTRACTOR SHOULD NOTE ITEMS IN THE DRAWINGS OR THE SPECIFICATIONS, CONSTRUCTION OF WHICH WOULD RESULT IN CODE VIOLATIONS, THE CONTRACTOR SHALL PROMPTLY CALL THEM TO THE ATTENTION OF THE OPR IN WRITING.

CONDUIT INSTALLATION NOTES:

A. ALL NEW CONDUITS FOR TELECOMMUNICATIONS CARRIER CABLING SHALL BE RIGID METALLIC CONDUIT. EACH CONDUIT SHALL HAVE A 3-CELL MAXCELL INNERDUCT INSTALLED AND LABELED WITH THE SOURCE AND DESTINATION.

B. ALL CABLES MUST BE PULLED AT THE SAME TIME TO ACHIEVE THE GREATER FILL LEVELS.

C. PULL BOXES SHOULD BE PLACED EVERY 100 FEET OR IF MORE THAN 180 DEGREES OF BENDS ARE INSTALLED IN THE CONDUIT.

D. CONDUITS SHALL ENTER AND EXIT PULL BOXES IN A CONTINUOUS DIRECTION. PULL BOXES ARE NOT TO BE USED FOR 90 DEGREE BENDS.

E. ALL 90 DEGREE BENDS SHALL HAVE A SWEEPING BEND WITH A BEND RADIi EQUAL TO AT LEAST 10 TIMES THE DIAMETER OF THE CONDUIT.

F. ALL CONDUIT END POINTS SHALL BE FREE OF SHARP EDGES AND PROVIDED WITH A SUITABLE BUSHING.

G. ALL CONDUITS SHALL HAVE A PULL STRING INSTALLED PRIOR TO THE STRUCTURED CABLING INSTALLATION. A PULL STRING SHALL ALSO BE WITHIN THE CONDUITS AFTER THE STRUCTURED CABLING INSTALLATION.

JPMORGAN CHASE & Co.

GLOBAL TECHNOLOGY INFRASTRUCTURE  
END USER SERVICES

WORKPLACE TECHNOLOGY SERVICES  
STRUCTURED CABLING ENGINEERING  
1111 POLARIS PARKWAY, COLUMBUS, OHIO 43240

NEW RETAIL  
BRANCH -  
HWY 291 AND SE  
LANGSFORD RD

keyplan

FOR REFERENCE ONLY  
ISSUED AND  
PERMITTED BY OTHERS

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021

seal

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

Bicsi

KEVIN BRENNAN  
REG. NO. 166050  
EXPIRES 12-31-23  
RCDD

issue			
no	date	issue	by
A	12.21.2020	ISSUED FOR COORDINATION	KB
B	01.19.2021	ISSUED FOR CONSTRUCTION	KB

site location

JP MORGAN CHASE & CO  
890 NE LANGSROD RD  
LEE'S SUMMIT, MO  
64063

designed	KB	date	12.21.2020	drawn	KB
checked	CC	scale	AS NOTED		

title

TELECOM DRAWING  
& SYMBOL LIST, NOTES  
& SCOPE OF WORK

job no.

OVP-38200P368999

sheet

TC-000















END OF SECTION

1. TEST COAXIAL (LMR 240 OR LMR 400) CABLE FROM ROUTER END TO ANTENNA END FOR: CONTINUITY, SHORTS, SIGNAL LOSS, ETC.
2. TEST RF SIGNAL STRENGTH/QUALITY AT THE RTR/RMER END OF THE CONNECTION DELIVERED BY ANTENNA
3. COMPARE SIGNAL LEVELS AT ROUTER TO DESIGN VALUES
4. REMEDIATE ANY SYSTEM ISSUES (ANTENNA OR CABLEING) THAT DEViate FROM PLANNED VALUES
5. PROVIDE PHOTOS OF ANTENNA INSTALLATION AND RMER/RTR TERMINATION ALONG WITH FINAL TEST RESULTS FOR SWEEP AND RF SIGNAL LEVEL TESTS TO JPMC (REQUIREMENT FOR FINAL ACCEPTANCE)

END OF SECTION

# LANGSFORD RD

keyplan

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**RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI**

**08/13/2021**

sea



issue

[illegible]

site location

JP MORGAN CHASE & CO  
890 NE LANGSROD RD  
LEE'S SUMMIT, MO  
64063

designed KB	date 12.21.2020	drawn KB
checked CC	scale AS NOTED	

title
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## TELECOM BOOK SPECS

job no.

OVP-38200P368999

shee

# TC-004







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**Bicsi**  
 KEVIN BRENNAN  
 REG. No. 166050  
 EXPIRES 12-31-23  
 RCDD

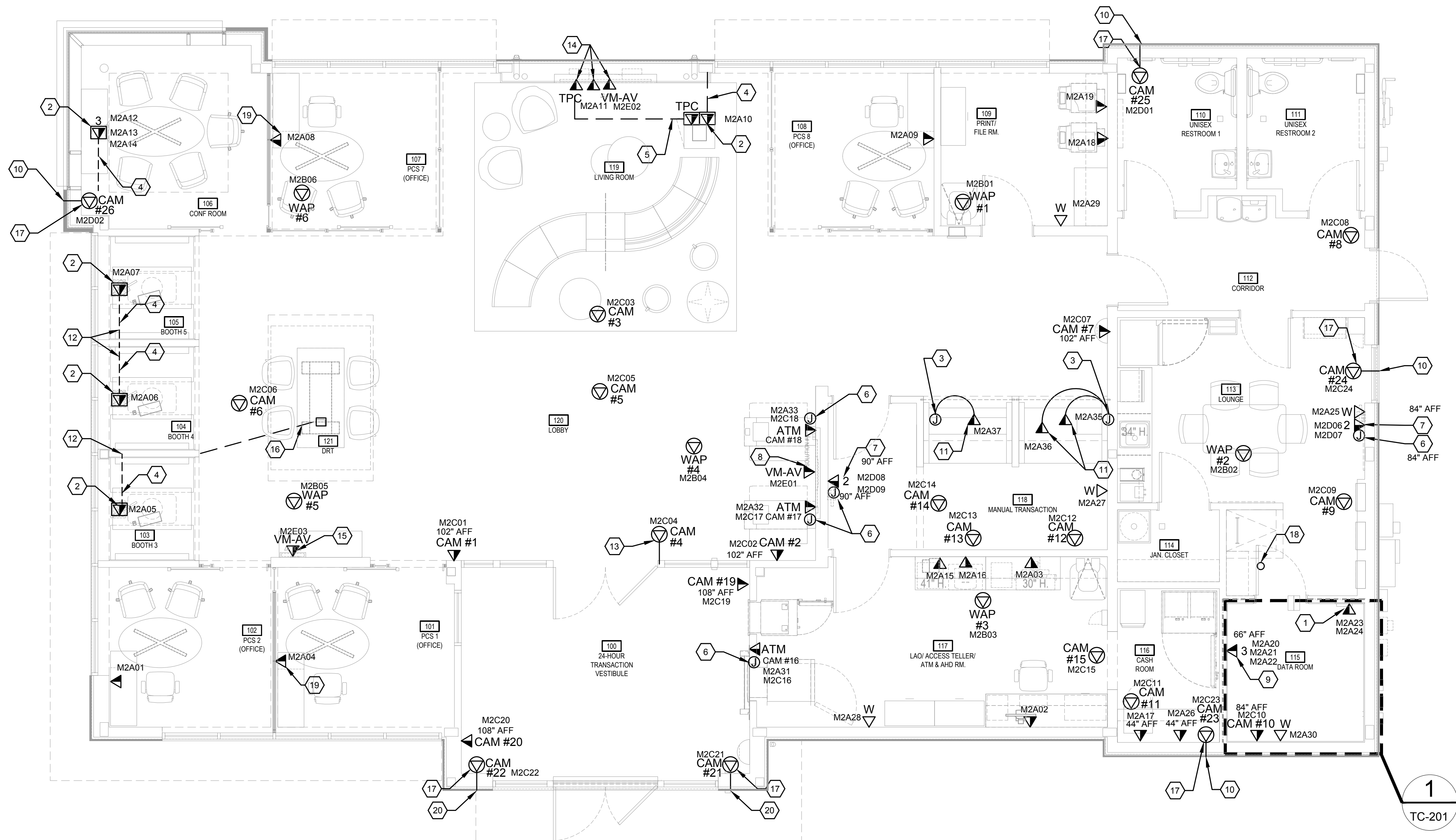
Location JP MORGAN CHASE & CO  
890 NE LANGSROD RD  
LEE'S SUMMIT, MO  
64063

e

b no. OVP-38200P368999

# TC-101

1. OUTLET FOR BUILDING AUTOMATION SYSTEM EQUIPMENT. COORDINATE THE EXACT LOCATION WITH THE BAS EQUIPMENT PRIOR TO ROUGH-IN.
2. FLOOR OUTLET MOUNTED WITHIN DUAL SERVICE POWER AND LOW VOLTAGE RECESSED BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. REFER TO SHEET TC-000 FOR ADDITIONAL INFORMATION.
3. JUNCTION BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING FOR CABLES TO THE TELLER OUTLET. CONCEAL CABLEING FROM JUNCTION BOX TO OUTLET WITHIN FLEXIBLE CONDUIT. SEE ARCHITECTURAL DETAILS FOR MORE INFORMATION.
4. PROVIDE 1" CONDUIT UNDER SLAB TO WALL AS SHOWN. ROUTE CONDUIT CONCEALED WITHIN WALL AND STUB OUT TO ABOVE ACCESSIBLE CEILING.
5. PROVIDE 1" CONDUIT TO DUAL SERVICE POWER AND LOW VOLTAGE RECESSED BOX FOR TELEPRESENCE CONTROL CABLING. REFER TO FACEPLATE DETAIL AND TERMINATION DETAILS ON SHEET TC-302. REFER TO AV STANDARDS FOR ADDITIONAL DETAIL.
6. PROVIDE A SINGLE GANG BACKBOX WITH A 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. THIS ROUGH-IN WILL BE FOR ONE RG59/U AND ONE 18/2 CABLE PROVIDED BY THE SECURITY VENDOR.
7. OUTLET FOR SECURITY CAMERA MONITOR. PROVIDE CAT6A CABLEING.
8. AV SOLUTION #1. REFER TO SHEET TC-501 FOR ADDITIONAL INFORMATION.
9. DATA CONNECTION FOR ACCESS CONTROL PANEL. COORDINATE WITH SECURITY CONTRACTOR TO PROVIDE ONE CONNECTION FOR EACH PANEL WITHIN SINGLE GANG BACK BOX AND FACEPLATE. REFER TO SHEET TC-201 FOR ADDITIONAL INFORMATION.
10. MOUNT EXTERNAL CONDUIT PENETRATION AT 10'-0" AFG. COORDINATE WITH ARCHITECTURAL ELEVATIONS TO ENSURE THAT CAMERA LENS CLEARS THE SOFFIT FOR AN UNOBSTRUCTED VIEW.
11. DATA OUTLET MOUNTED IN CASEWORK. COORDINATE MOUNTING LOCATIONS WITH ARCHITECT/JPMC PROJECT MANAGER.
12. DECORATIVE CEILING AREA. EXTEND CONDUIT TO NEAREST ACCESSIBLE CEILING.
13. MILLION MOUNTED MINI CAMERA. PROVIDE CONDUIT IN DOOR FRAME EXTENDING TO NEAREST ACCESSIBLE CEILING. COORDINATE FINAL MOUNTING WITH PROJECT MANAGER.
14. AV SOLUTION #3. REFER TO SHEET TC-502 FOR ADDITIONAL INFORMATION.
15. AV SOLUTION #7. REFER TO SHEET TC-503 FOR ADDITIONAL INFORMATION.
16. PROVIDE 3/4" CONDUIT FROM DUAL USE FLOOR BOX TO ABOVE ACCESSIBLE CEILING FOR FUTURE DATA CABLEING. PROVIDE PULL STRING WITHIN CONDUIT.
17. PLENUM-RATED ABOVE CEILING CONNECTOR ASSEMBLY MOUNTED ABOVE ACCESSIBLE CEILING FOR EXTERIOR SECURITY CAMERA. REFER TO DETAIL ON SHEET TC-401 FOR ADDITIONAL INFORMATION. COORDINATE WITH SECURITY DESIGNER AND ARCHITECT FOR FINAL MOUNTING LOCATION AND CONDUIT EXTERIOR PENETRATION LOCATION.
18. RECOMMENDED LOCATION OF THE CELLULAR ANTENNA ROOF PENETRATION. COORDINATE LOCATION WITHIN 36" OF THE ACCESS LADDER. CONDUIT PATHWAY SHALL EXTEND FROM THE ROOF PENETRATION TO THE RARE DATA CLOSET. SEE TC-201 AND TC-402 FOR ADDITIONAL INFORMATION.
19. OUTLET MOUNTED IN PRE-MANUFACTURED FURNITURE WALL (AKA VIA WALL OR PRIVACY WALL). EC TO PROVIDE A 3/4" FLEXIBLE CONDUIT WITH PULL STRING ROUTED FROM THE COMMUNICATIONS OUTLET OPENING TO ABOVE FINISHED CEILING. TC TO PROVIDE CABLEING TO COMMUNICATION OPENING AND PROVIDE OUTLET FACEPLATE AS SHOWN ON TC-301.
20. MOUNT EXTERNAL CONDUIT PENETRATION AT 9'-0" AFG. COORDINATE WITH ARCHITECTURAL ELEVATIONS TO ENSURE THAT CAMERA LENS CLEARS THE SOFFIT FOR AN UNOBSTRUCTED VIEW.



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

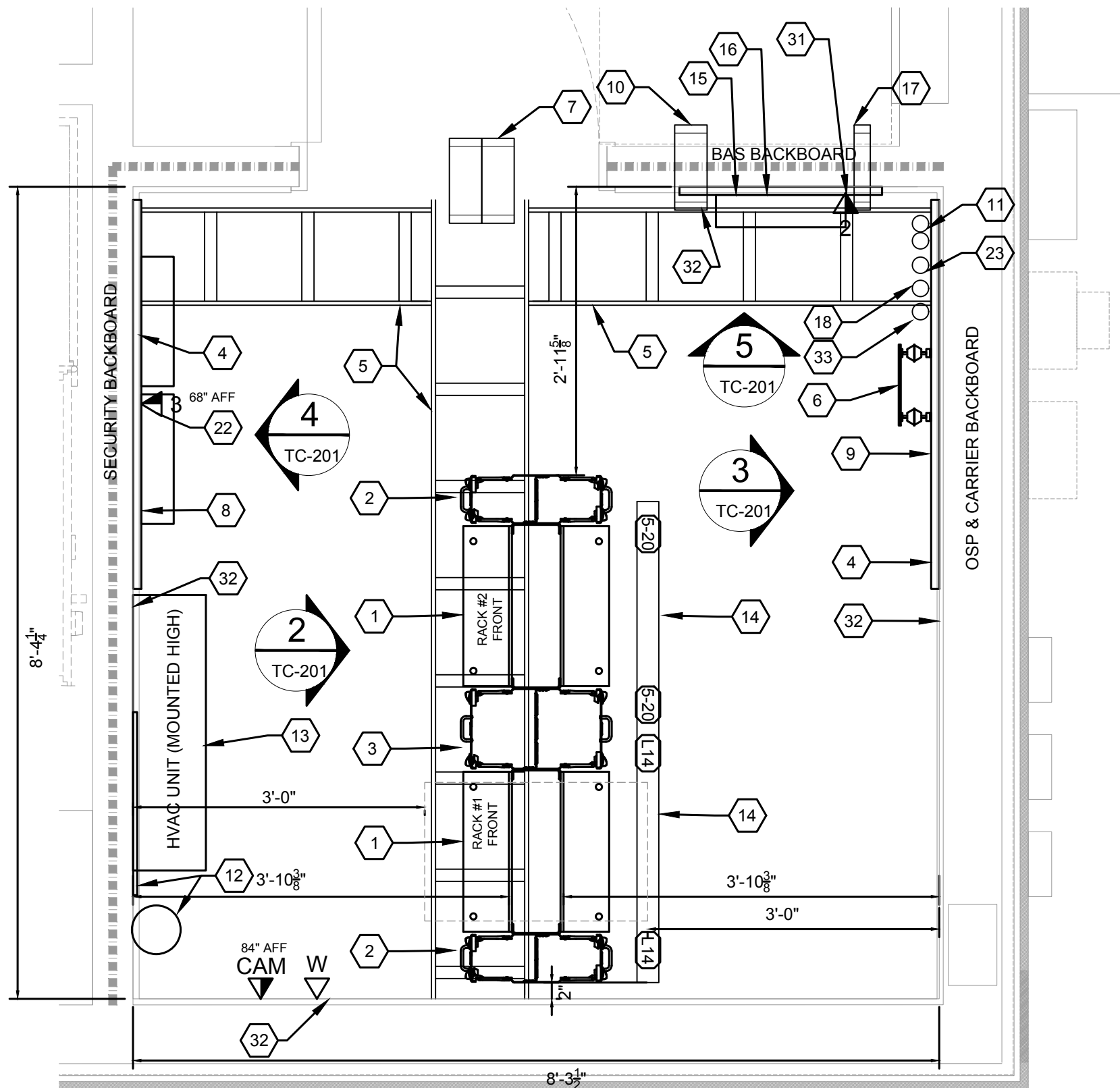




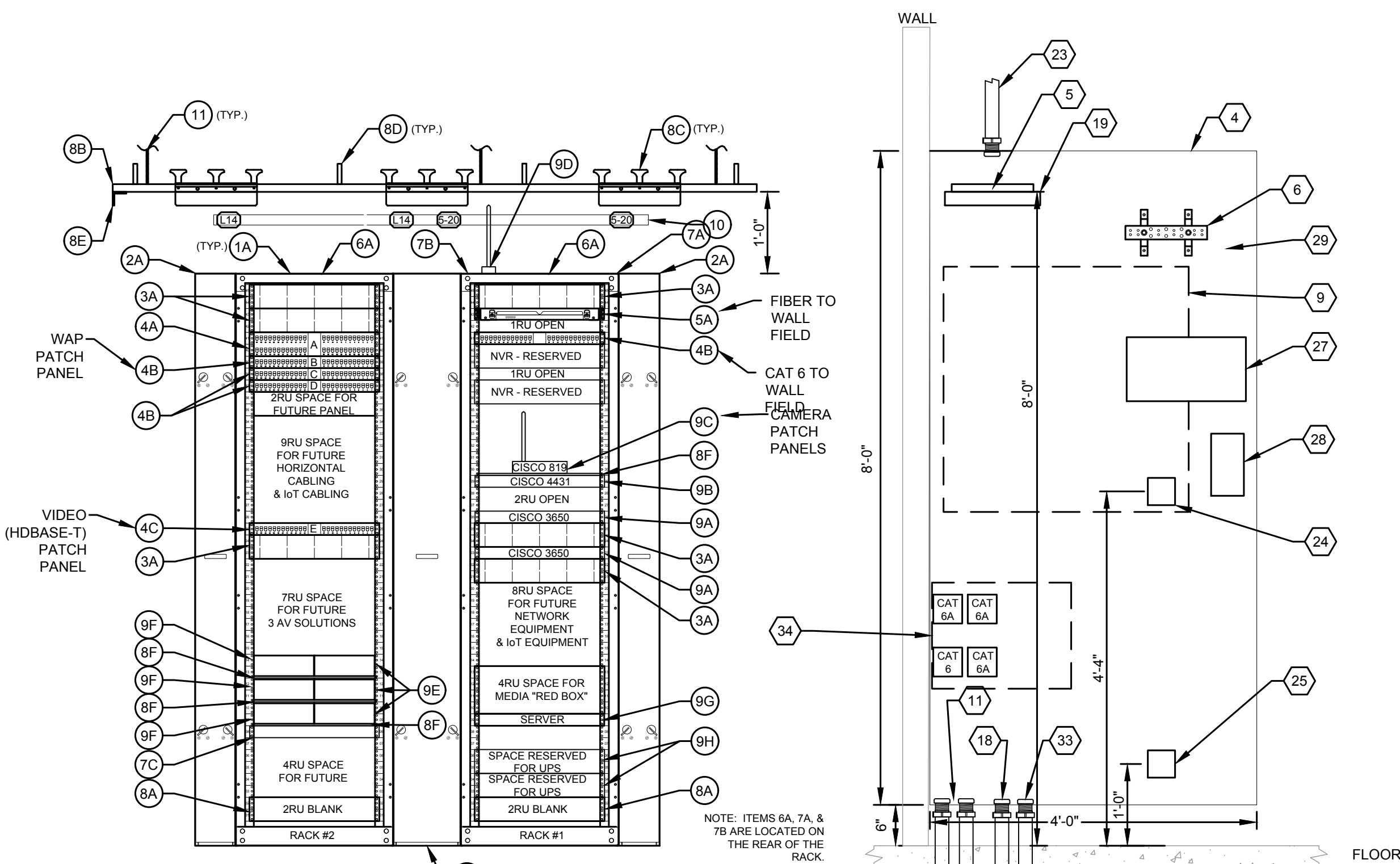
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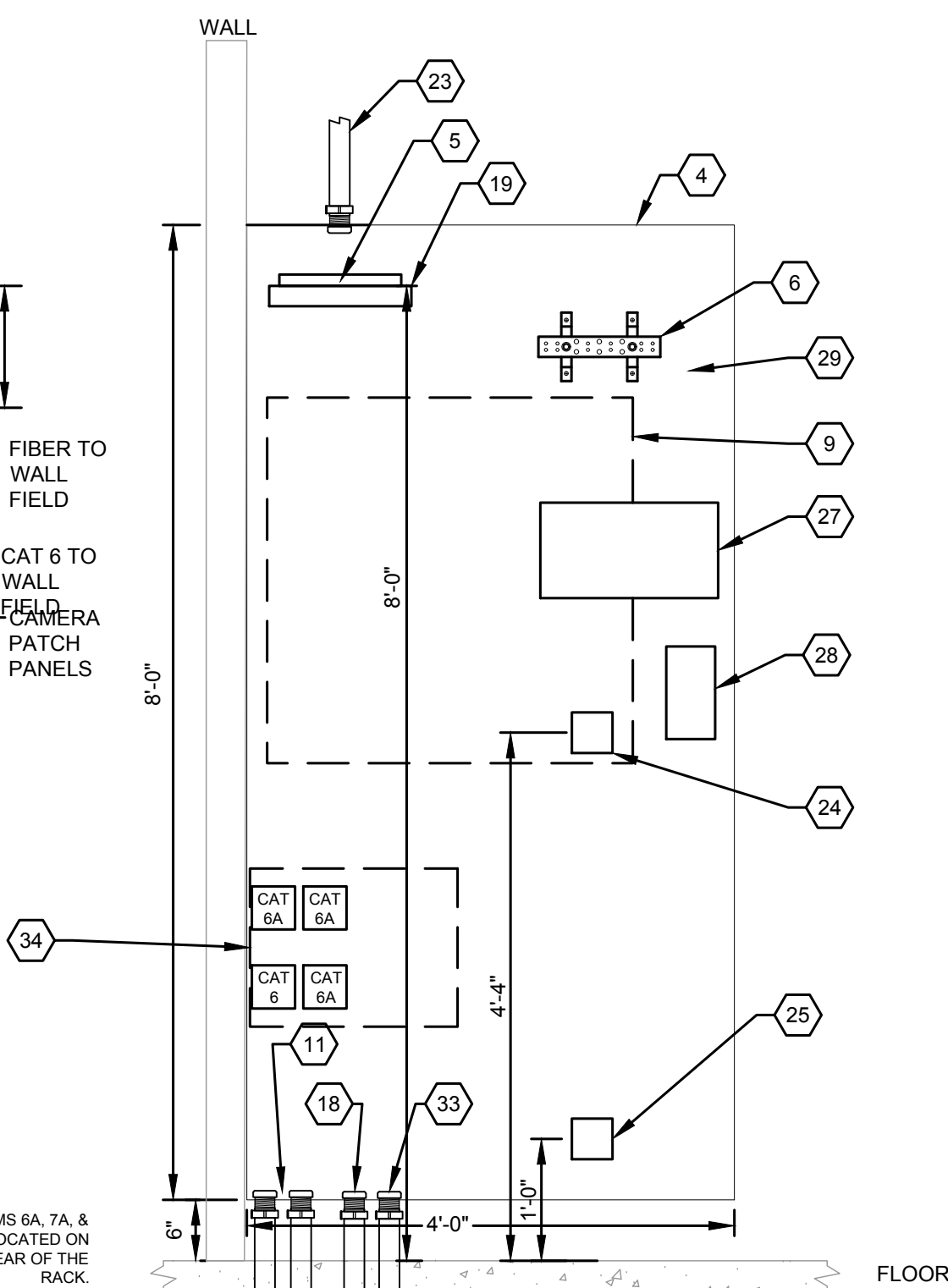
RACK EQUIPMENT SCHEDULE					
ITEM	DESCRIPTION	MANUFACT.	MODEL NUMBER	ITEM	DESCRIPTION
1A	2-POST RACK, 45RU, BLACK FINISH	CPI	66353-703	8B	12" WIDE LADDER RACK - BLACK FINISH
2A	6" WIDE, DOUBLE-SIDED VERTICAL CABLE MANAGER, BLACK FINISH	CPI	30095-703	8C	LADDER RACK STRINGER RADIUS DROP 10.3" W - BLACK FINISH
2B	10" WIDE, DOUBLE-SIDED VERTICAL CABLE MANAGER, BLACK FINISH	CPI	30096-703	8D	LADDER RACK CABLE RETAINING POSTS
3A	2RU HORIZONTAL CABLE MANAGER, BLACK FINISH	CPI	30130-719	8E	LADDER RACK WALL ANGLE SUPPORT KIT
3B	1RU HORIZONTAL CABLE MANAGER, BLACK FINISH	CPI	30139-719	8F	EQUIPMENT SHELF
4A	MODULAR, ANGLED, 48-PORT PATCH PANEL	COMMSCOPE / SYSTIMAX	760187211	9A	NETWORK SWITCH
4B	MODULAR, ANGLED, 24-PORT PATCH PANEL	COMMSCOPE / SYSTIMAX	760187203	9B	NETWORK ROUTER
4C	CATEGORY 6A RATED, ANGLED, SHIELDED 24-PORT PATCH PANEL	LEVITON	4S256-S24 WITH 6ASJK-RW6	9C	CELLULAR NETWORK ROUTER WITH ANTENNA
5A	1RU FIBER OPTIC PANEL WITH DUPLEX LC CONNECTOR PANELS	CORNING	CCH-01U WITH CCH-CP24-A9	9D	REMOTE ANTENNA FOR CELLULAR NETWORK ROUTER
6A	RACK MOUNTED HORIZONTAL GROUNDING BUSBAR KIT (SEE GROUNDING SCHEMATIC)	PANDUIT	RGRB19U	9E	DIGITAL SIGNAGE PC
7A	BLACK VERTICAL POWER DISTRIBUTION UNIT WITH MOUNTING BRACKET FOR IT EQUIPMENT ONLY	CPI	TS1035241 WITH TS1012713	9F	HDBASET TRANSMITTER
7B	WHITE VERTICAL POWER DISTRIBUTION UNIT WITH MOUNTING BRACKET FOR IT EQUIPMENT ONLY	CPI	TS1035242 WITH TS1012713	9G	SERVER AND MOUNTING BRACKET (CPI 12751-719)
7C	HORIZONTAL POWER DISTRIBUTION UNIT FOR AV EQUIPMENT ONLY	CYBER POWER	BY AV INSTALLER	9H	UPS AND MOUNTING BRACKET
8A	2RU BLANK PANEL - BLACK FINISH	CPI	30024-702	10	RECEPTACLES MOUNTED ON A SEPARATE C-CHANNEL (UNISTRUT) BELOW THE LADDER RACK & ABOVE THE RACKS.
				11	ALL-THREAD TO STRUCTURE



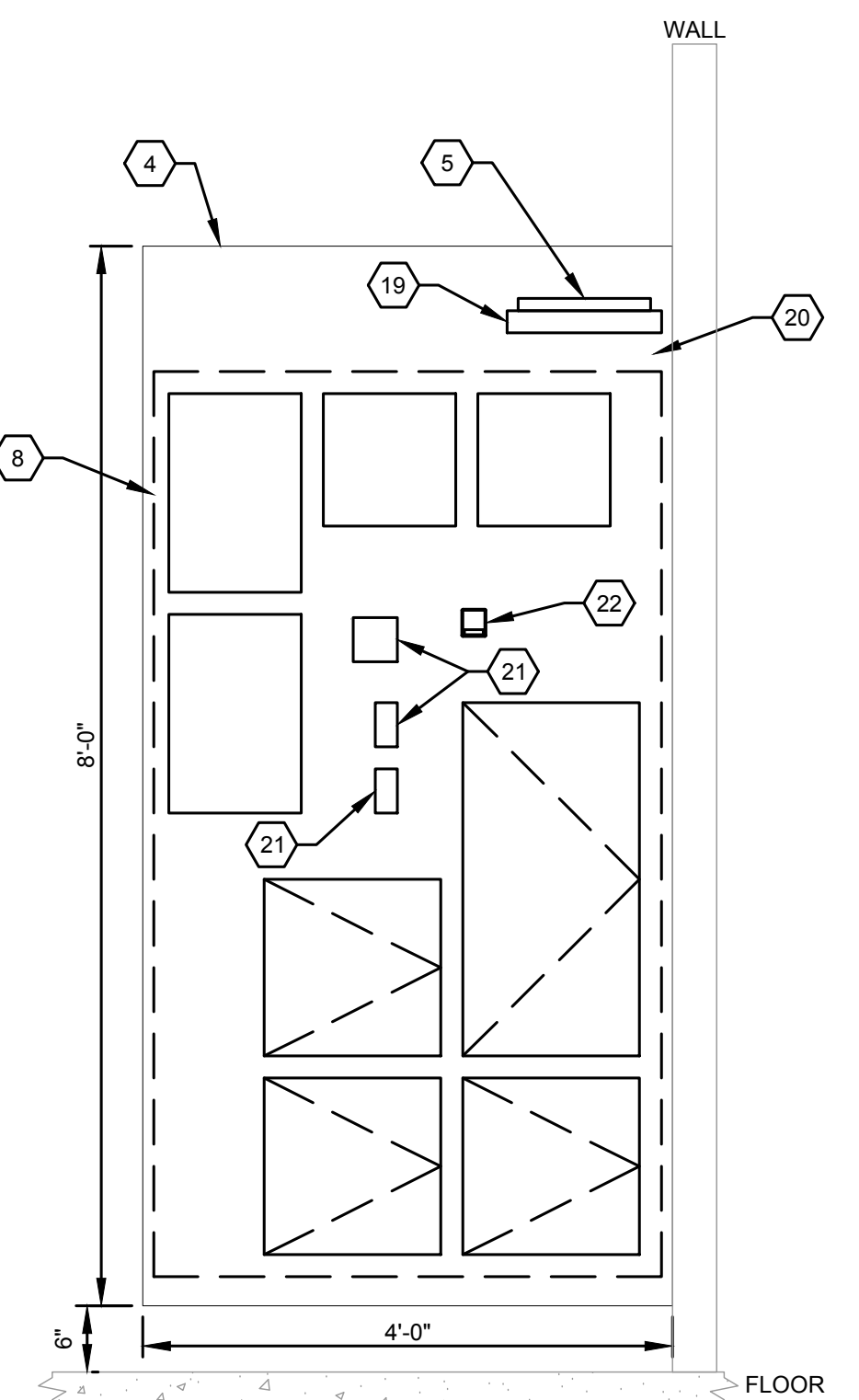
1 ENLARGED RMER PLAN  
SCALE: 3/4" = 1'-0"



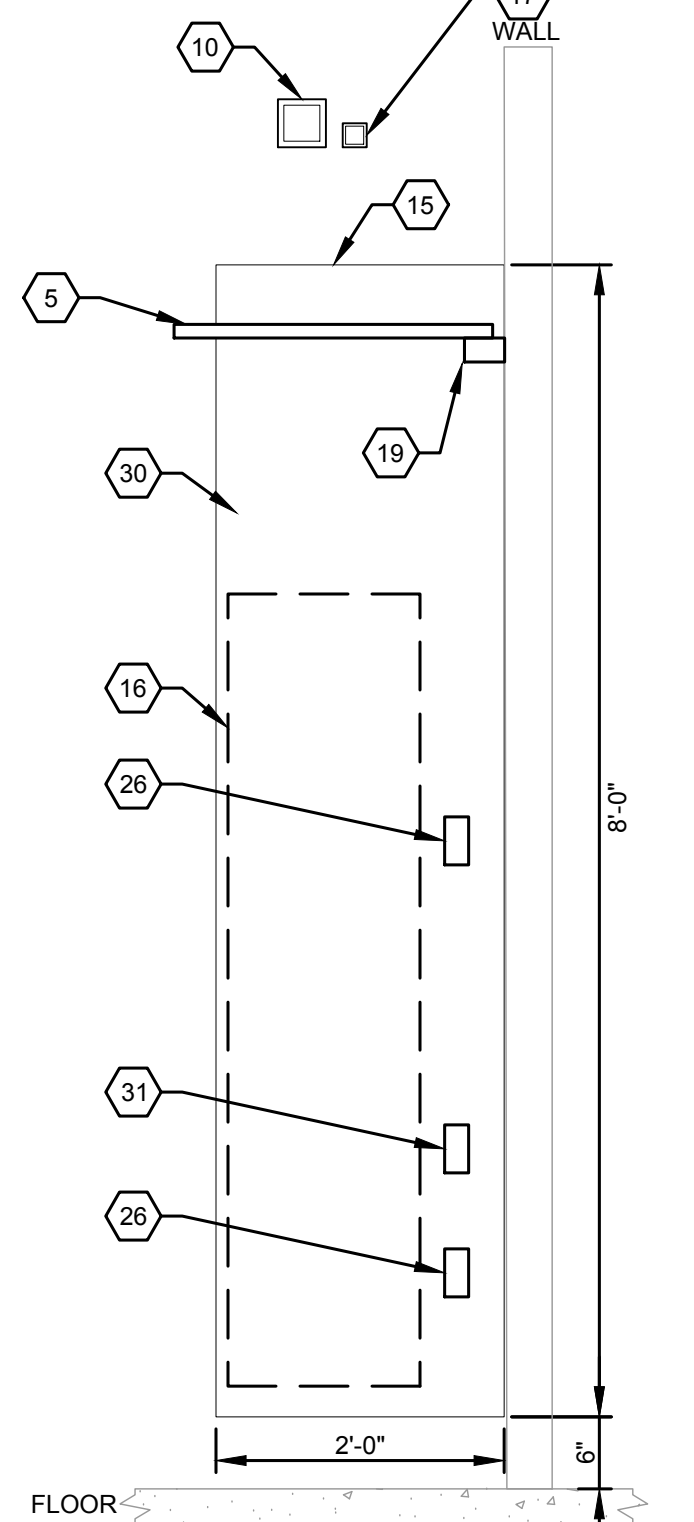
2 RMER EQUIPMENT RACK ELEVATION  
SCALE: 3/4" = 1'-0"



3 TELECOM CARRIER BACKBOARD ELEVATION  
SCALE: 3/4" = 1'-0"



4 SECURITY SYSTEM BACKBOARD ELEVATION  
SCALE: 3/4" = 1'-0"



5 MOOD MUSIC & BAS BACKBOARD ELEVATION  
SCALE: 3/4" = 1'-0"

- ENLARGED MAIN EQUIPMENT ROOM NOTES
- NEW 2-POST RACK WITH BLACK FINISH.
  - NEW 6" WIDE VERTICAL WIRE MANAGER WITH BLACK FINISH.
  - NEW 10" WIDE VERTICAL WIRE MANAGER WITH BLACK FINISH.
  - NEW WALL MOUNTED, FIRE-RATED PLYWOOD BACKBOARD, 4" WIDE BY 8" TALL BY 3/4" THICK, BOTTOM MOUNTED 8" ABOVE FINISHED FLOOR. PAINT WITH FIRE-RETARDANT PAINT TO MATCH ROOM COLOR AND LEAVE ONE FIRE-RATED STAMP VISIBLE.
  - NEW 12" WIDE LADDER RACK OVERHEAD WITH BLACK FINISH.
  - LOCATION OF THE TELECOMMUNICATIONS GROUND BUSBAR. MOUNT 6" BELOW THE BOTTOM OF THE LADDER RACK.
  - PROVIDE TWO 4" PRE-MANUFACTURED FIRE-RATED SLEEVES (STI EZ-PATH PART # EZD44S2) WITH WATERFALL ADAPTER (STI PART #EZRCM44S) FOR STRUCTURED CABLING USE ONLY. USE MUTLI-GANG PLATE (STI PART #EZPS44W).
  - 4" WIDE BY 7'-0" TALL WALL FIELD AREA RESERVED FOR SECURITY EQUIPMENT.
  - 3" WIDE BY 3" TALL WALL FIELD AREA RESERVED ON BACKBOARD FOR CARRIER EQUIPMENT TO BE MOUNTED.
  - PROVIDE ONE 4" PRE-MANUFACTURED FIRE-RATED SLEEVE (STI EZ-PATH PART # EZDP44S2) FOR SECURITY CABLING USE ONLY.
  - E.C. TO PROVIDE TWO 2" CONDUITS FROM THE RMER TO THE CARRIER POINT OF ENTRY. ONE CONDUIT FOR THE SERVICE PROVIDER TO EXTEND THEIR DEMARCATION INTO THE NEW RMER. ONE CONDUIT WILL BE OWNER SPARE. THE E.C. SHALL FIELD COORDINATE THIS ROUTE WITH THE BUILDING OWNER AND TELECOMMUNICATIONS CARRIER PRIOR TO INSTALLATION. PROVIDE 2" 3-CELL MAXCELL INNERDUCT AND SWEEPING 90-DEGREE BENDS.
  - PROVIDE A DRAWING OF THE FLOOR PLAN AS-BUILT WITH ALL HORIZONTAL CABLING LABELS FOR EACH OUTLET. MOUNT DRAWING TO WALL. PROVIDE ADDITIONAL FULL SIZE DRAWING TUBE ADJACENT TO CABLING DRAWING WITH A COMPLETE FULL SIZE SET OF ALL CONSTRUCTION AS-BUILT DRAWINGS FOR SITE.
  - SPACE FOR WALL MOUNTED HVAC UNIT. BOTTOM MOUNTED 8'-0" AFF WITH DRIP PAN AND DRIP PAN LEAK DETECTION. HVAC CONTRACTOR SHALL PROVIDE PROTECTION ON ALL SHARP CORNER EDGES.
  - EC TO PROVIDE A C-CHANNEL (UNI-STRUT) WITH TWO L14-30 OUTLET AT RACK #1 AND TWO NEMA 5-20 OUTLETS AT RACK #2 MOUNTED AT 7'-6" AFF. EACH OUTLET SHALL BE ON A DEDICATED CIRCUIT. EC TO MOUNT THIS INDEPENDENTLY FROM THE LADDER RACK.
  - NEW WALL MOUNTED, FIRE-RATED PLYWOOD BACKBOARD, 2" WIDE BY 8" TALL BY 3/4" THICK, BOTTOM MOUNTED 8" ABOVE FINISHED FLOOR. PAINT WITH FIRE-RETARDANT PAINT TO MATCH ROOM COLOR AND LEAVE ONE FIRE-RATED STAMP VISIBLE.
  - 1'-4" WIDE BY 5'-6" TALL WALL FIELD AREA RESERVED FOR MOOD MUSIC AND BUILDING AUTOMATION SYSTEM (BAS) EQUIPMENT.
  - PROVIDE ONE 2" PRE-MANUFACTURED FIRE-RATED SLEEVE (STI EZ-PATH PART # EZD22) FOR MOOD MUSIC SYSTEM AND BMS CABLING USE ONLY.
  - PROVIDE 2" CONDUIT TO EXTERIOR ATM LOCATION AS SHOWN ON SHEET TC-102. PROVIDE 2" 3-CELL MAXCELL INNERDUCT AND SWEEPING 90-DEGREE BENDS.
  - WALL MOUNTED SUPPORT BRACKET FOR LADDER RACK.
  - ALL SECURITY SYSTEM CABLING MUST BE AFFIXED TO WALL AND/OR FIXED CONVEYANCE WITH HANGERS, VELCRO AND TIES. NO HANGING CABLES. (TYPICAL)
  - POWER CONNECTIONS ON DEDICATED CIRCUITS AND CONDUIT HOMERUN FOR SECURITY EQUIPMENT. EC TO COORDINATE ADDITIONAL CONNECTIONS REQUIRED, OUTLET MOUNTING HEIGHT, AND OUTLET CONFIGURATIONS & LOCATIONS ON THE BACKBOARD WITH THE SECURITY VENDOR.
  - SURFACE MOUNTED DATA OUTLETS FOR THE ACCESS CONTROL PANEL FOR EQUIPMENT NETWORK CONNECTION. COORDINATE WITH SECURITY CONTRACTOR TO PROVIDE ONE CONNECTION FOR EACH PANEL WITHIN SINGLE GANG BACK BOX AND FACEPLATE.
  - PROVIDE 1" CONDUIT TO ROOF LOCATION FOR FUTURE ANTENNA CABLING. REF TO SHEET TC-402 FOR ADDITIONAL INFORMATION.
  - QUAD POWER OUTLET ON A DEDICATED CIRCUIT AND CONDUIT HOMERUN FOR CARRIER EQUIPMENT.
  - QUAD POWER OUTLET ON A DEDICATED CIRCUIT AND CONDUIT HOMERUN FOR FUTURE EQUIPMENT.
  - DEDICATED DUPLEX OUTLET FOR SOUND SYSTEM AND/OR BUILDING AUTOMATION SYSTEM (BAS) EQUIPMENT.
  - 12-PORT FIBER ENCLOSURE FOR EXTENSION OF CARRIER CONNECTIONS TO RACK. LABEL PORTS TO MATCH RACK MOUNTED FIBER PANEL. CORNING PART # PWH-02P.
  - 12-PORT OUTLET FOR COPPER EXTENSION OF CARRIER CONNECTIONS TO RACK. COMMSCOPE PART #106658156.
  - ALL CARRIER CABLING MUST BE AFFIXED TO WALL AND/OR FIXED CONVEYANCE WITH HANGERS, VELCRO AND TIES. NO HANGING CABLES. (TYPICAL)
  - ALL SECURITY, BAS, & SOUND SYSTEM CABLING MUST BE AFFIXED TO WALL AND/OR FIXED CONVEYANCE WITH HANGERS, VELCRO AND TIES. NO HANGING CABLES (TYPICAL).
  - SURFACE MOUNTED DATA OUTLET FOR THE BUILDING AUTOMATION SYSTEM (BAS) PANEL FOR EQUIPMENT NETWORK CONNECTION.
  - LOCATION FOR CONVENIENCE ELECTRICAL RECEPTACLE (BY DIV 26).
  - APPROXIMATE LOCATION OF THE 1" CONDUIT TO CCTV AND LIGHTING POLE. FIELD COORDINATE FINAL LOCATION.
  - PROVIDE SURGE PROTECTION FOR EACH CAT6 AND CAT6A CABLE LEAVING THE ROOM TO SERVE POLE MOUNTED CAMERAS AND ANY FREESTANDING ATM ISLAND/CANOPY DEVICES. PROVIDE ITW #CAT6-75 PROTECTION FOR EACH CAT6 CABLE AND ITW #CAT6A-75 FOR EACH CAT6A CABLE. BOND TO THE GROUNDING BAR PER MANUFACTURER REQUIREMENTS.

NEW RETAIL  
BRANCH -  
HWY 291 AND SE  
LANGSFORD RD

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08/13/2021

seal



issue			
no	date	issue	by
A	12.21.2020	ISSUED FOR COORDINATION	KB
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site location  
JP MORGAN CHASE & CO  
890 NE LANGSROD RD  
LEE'S SUMMIT, MO  
64063

designed KB date 01.19.2021 drawn KB

checked CC scale AS NOTED

title

FIRST FLOOR  
ENLARGED RMER PLAN  
AND ELEVATIONS

job no.  
OVP-38200P368999

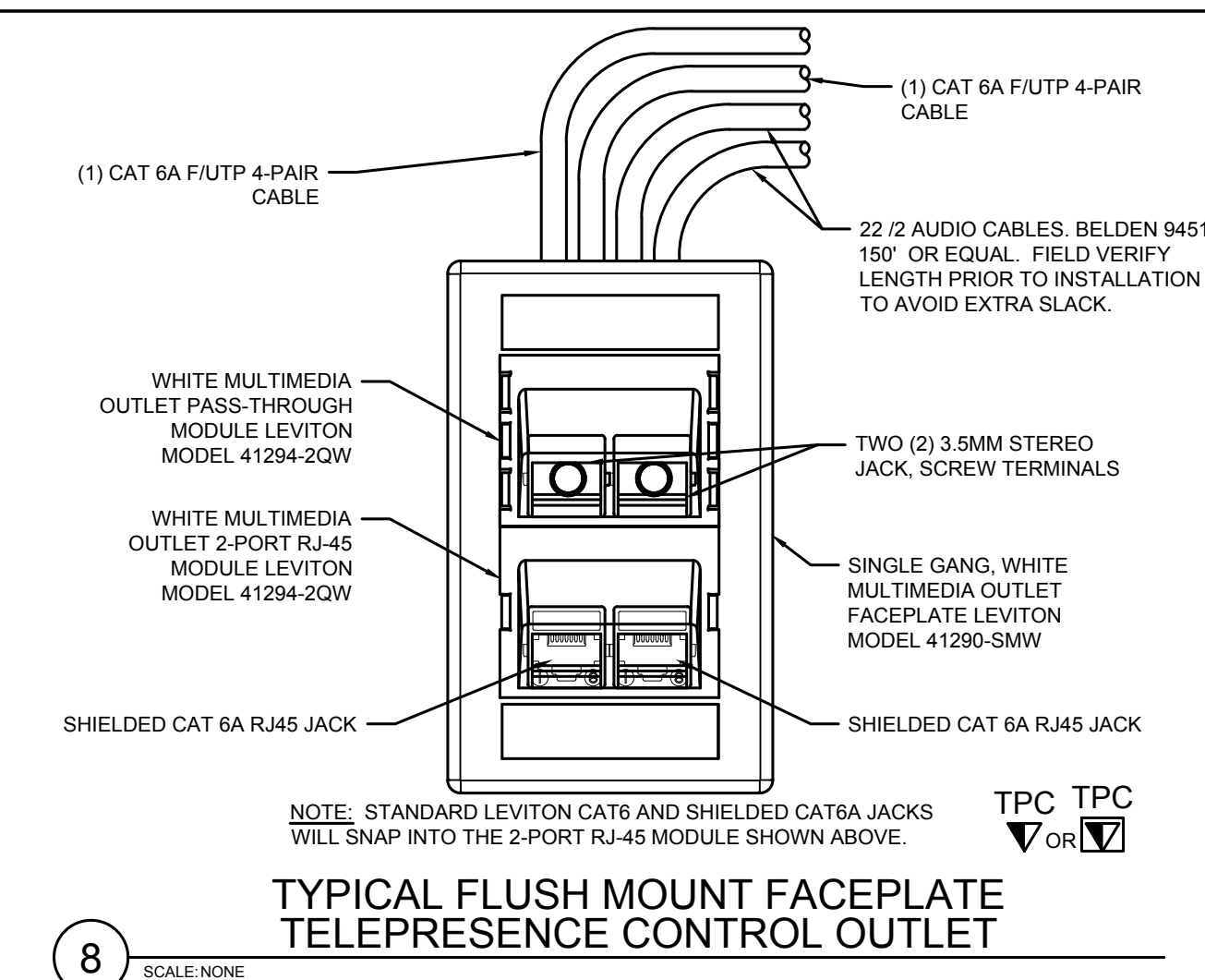
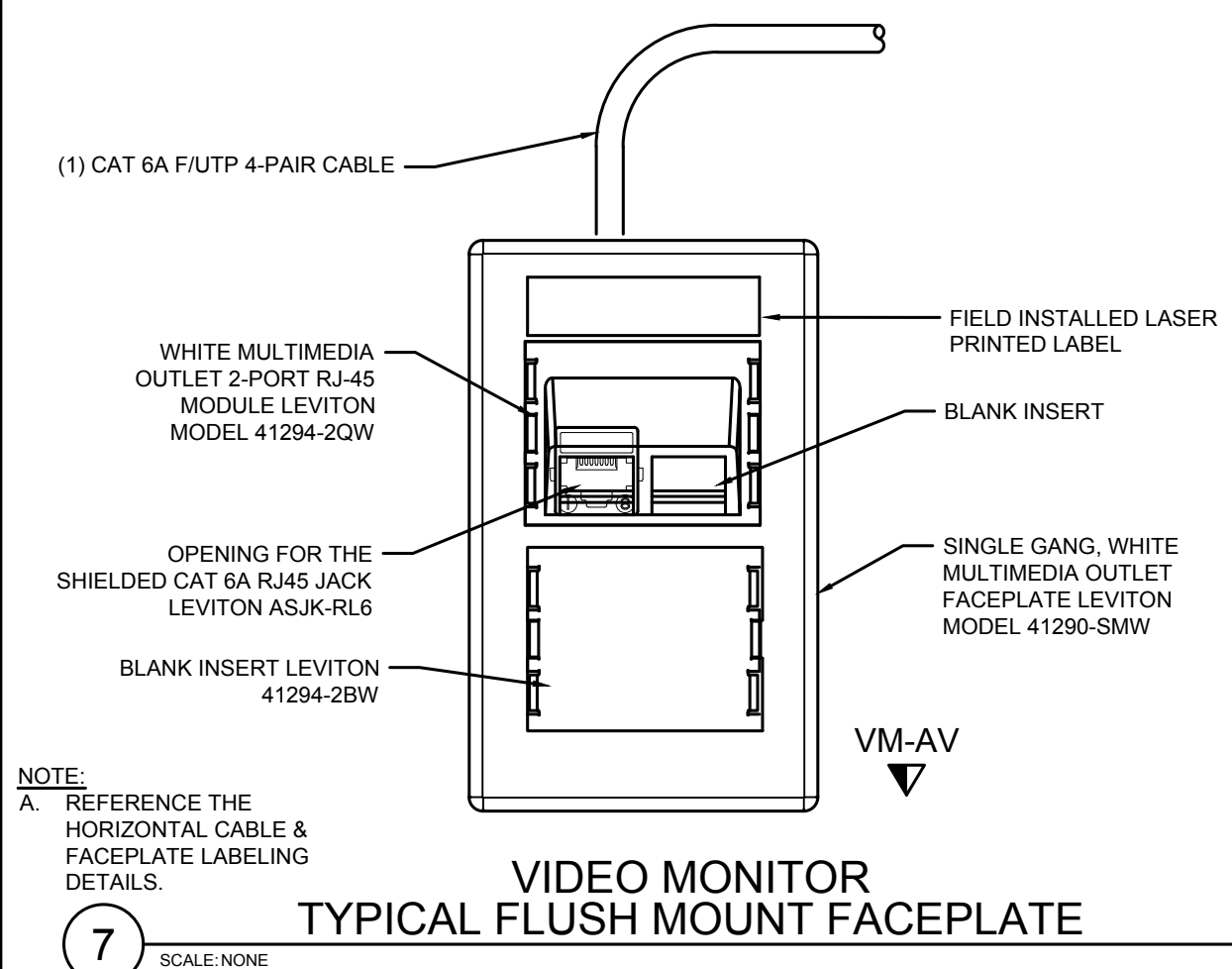
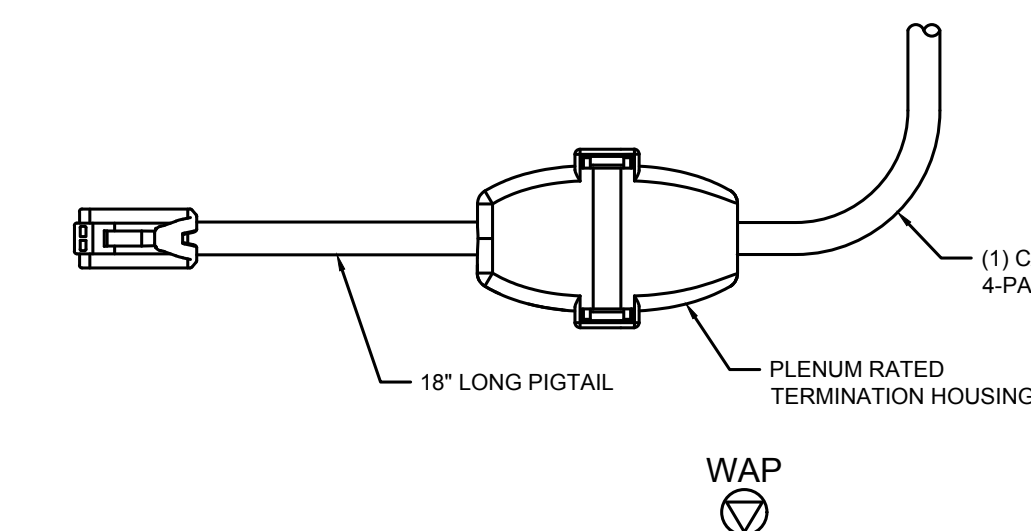
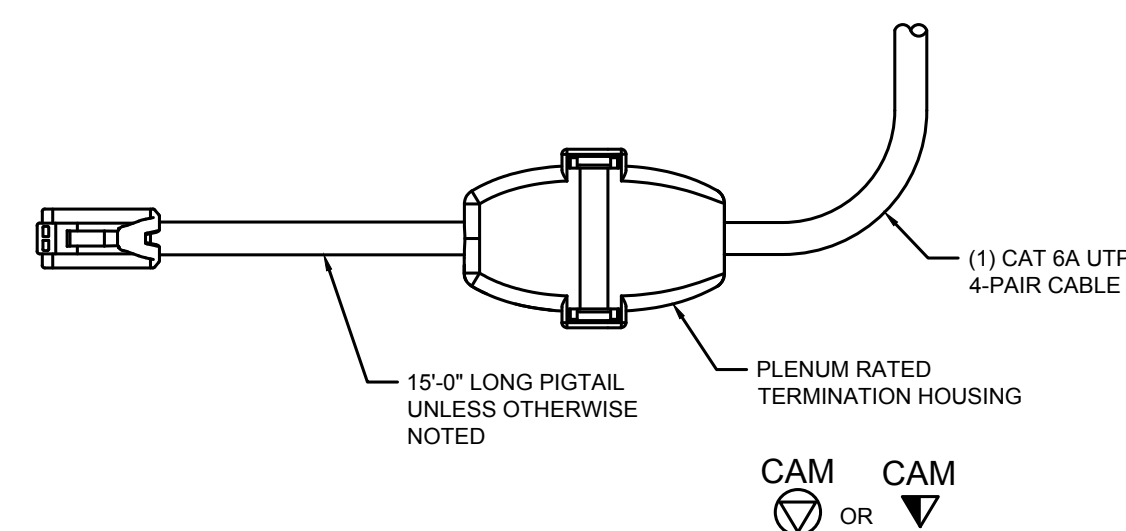
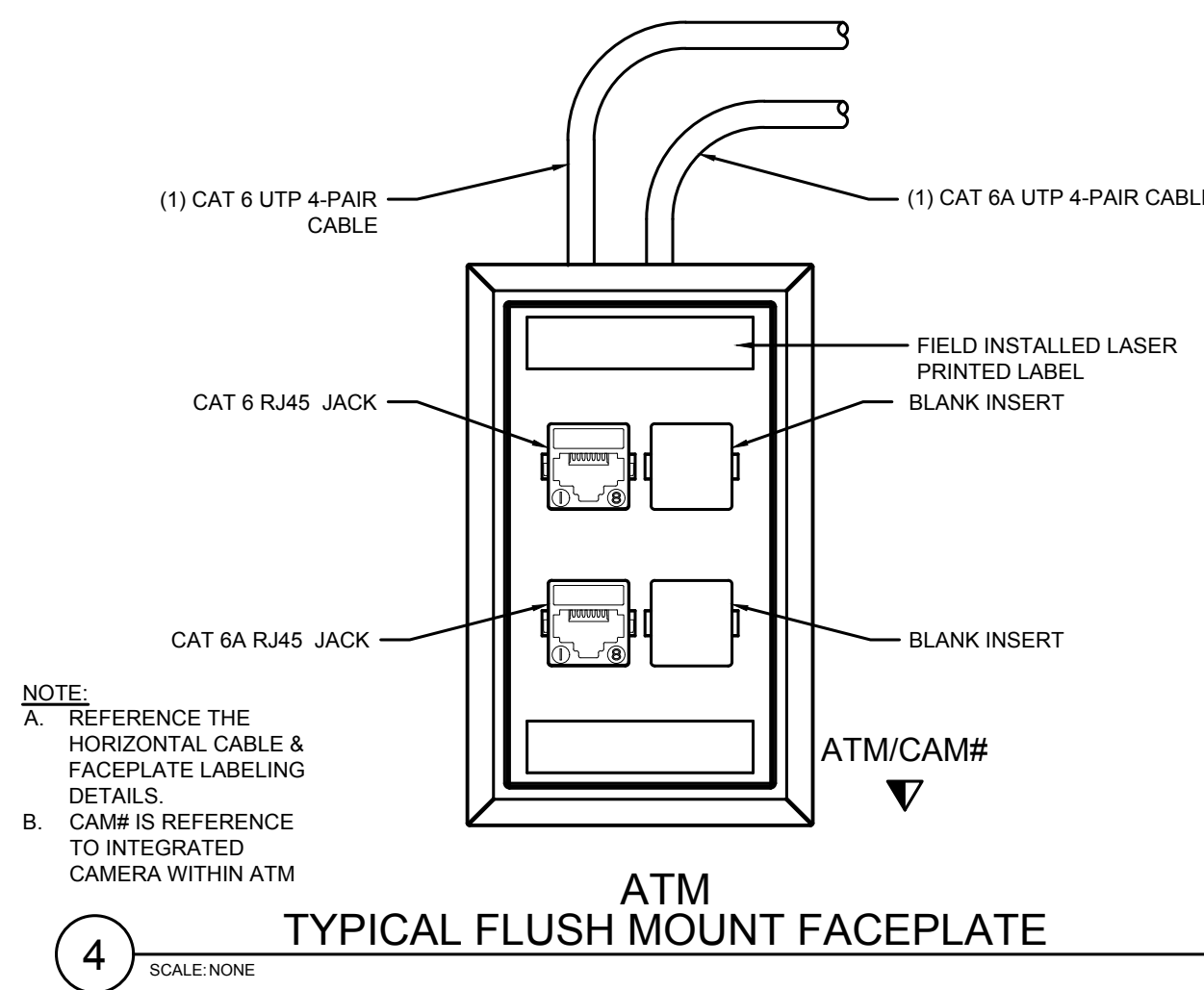
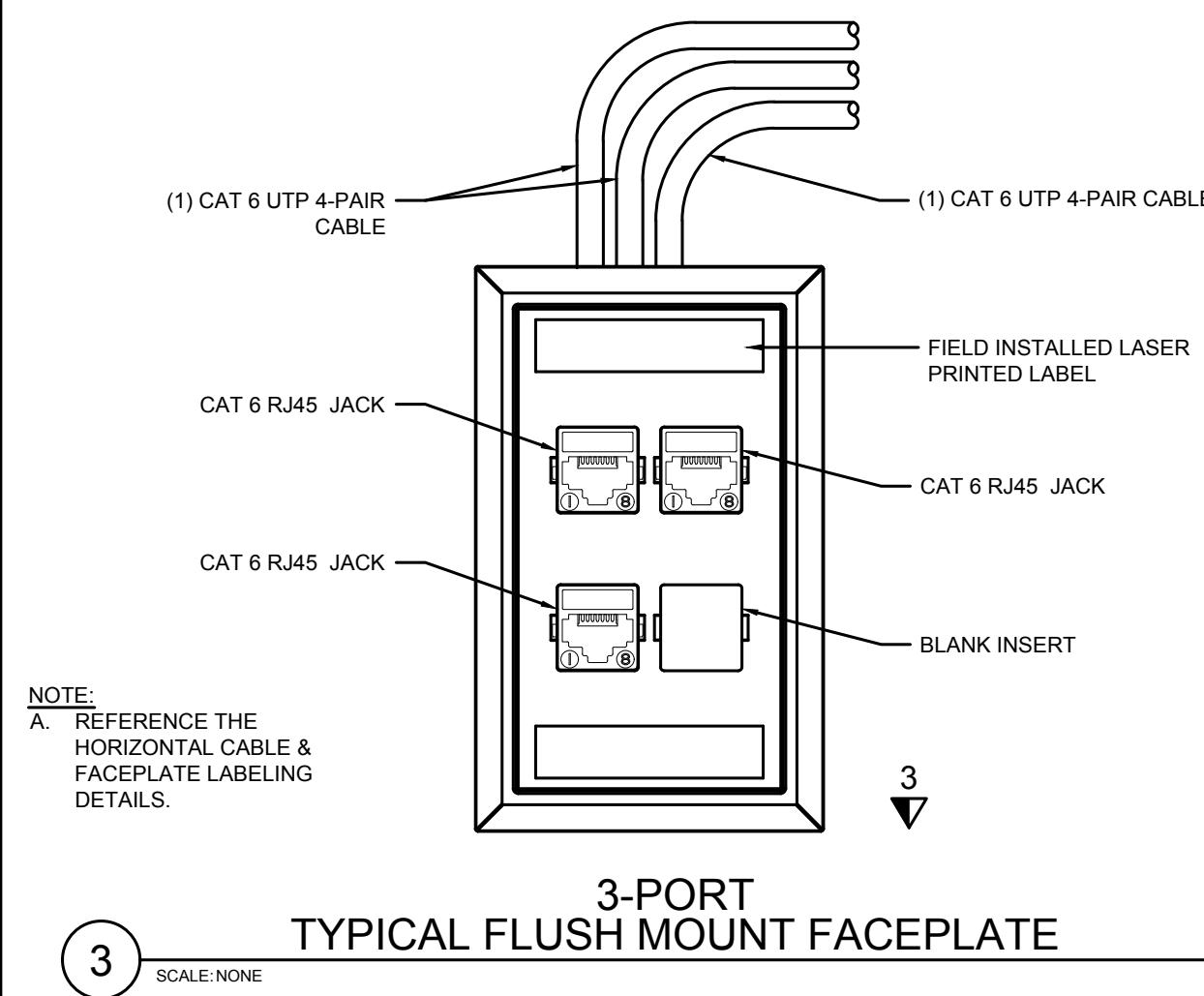
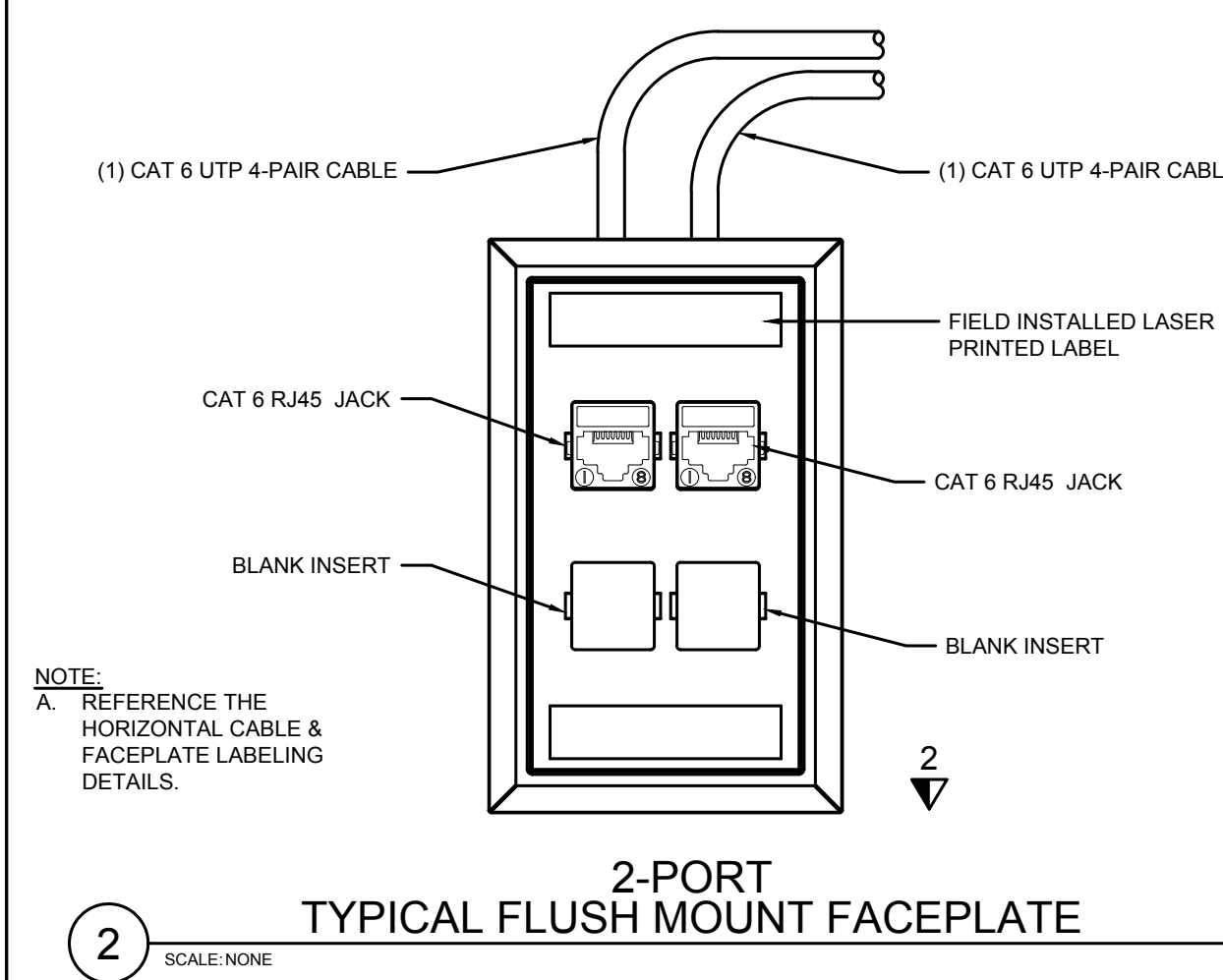
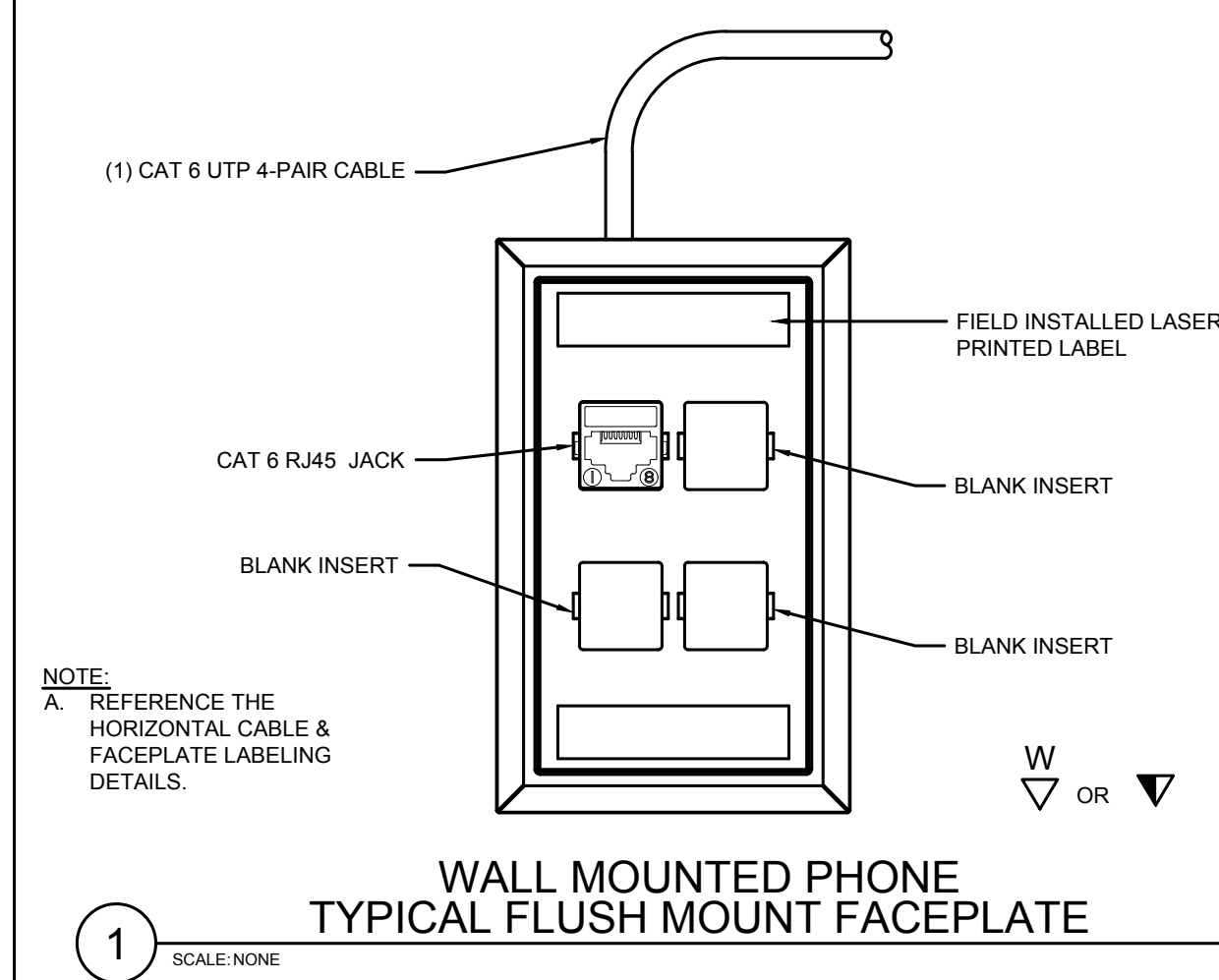
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TC-201

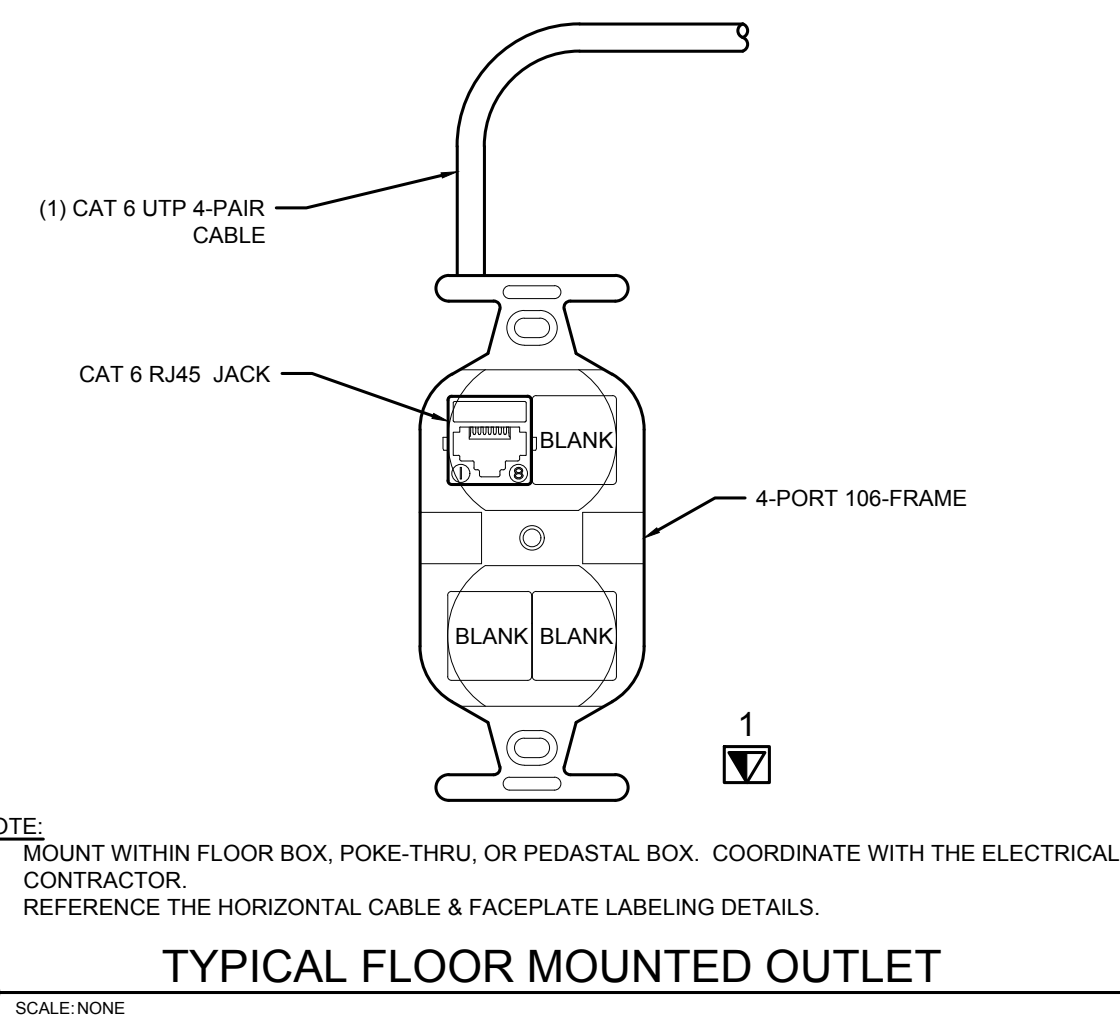




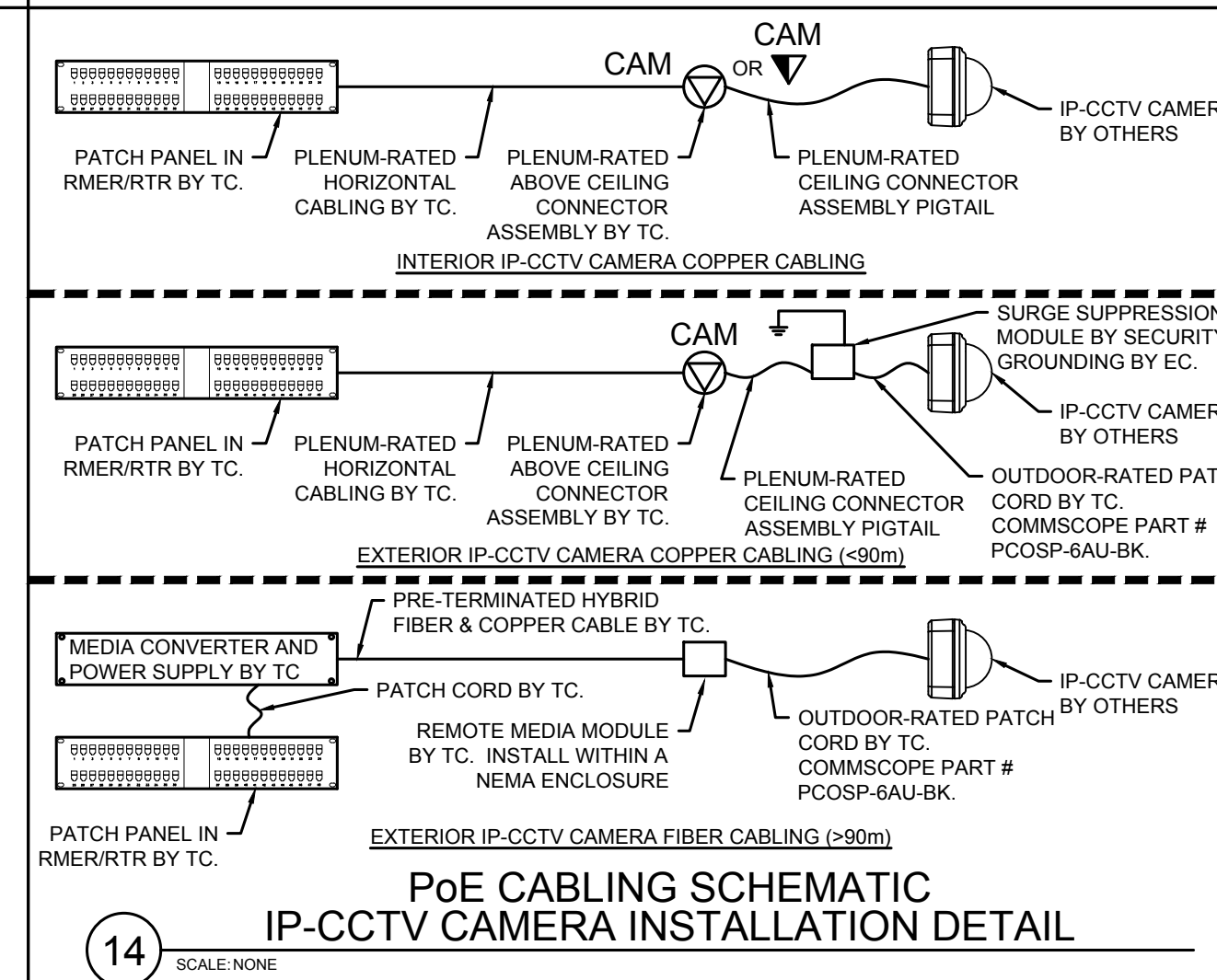
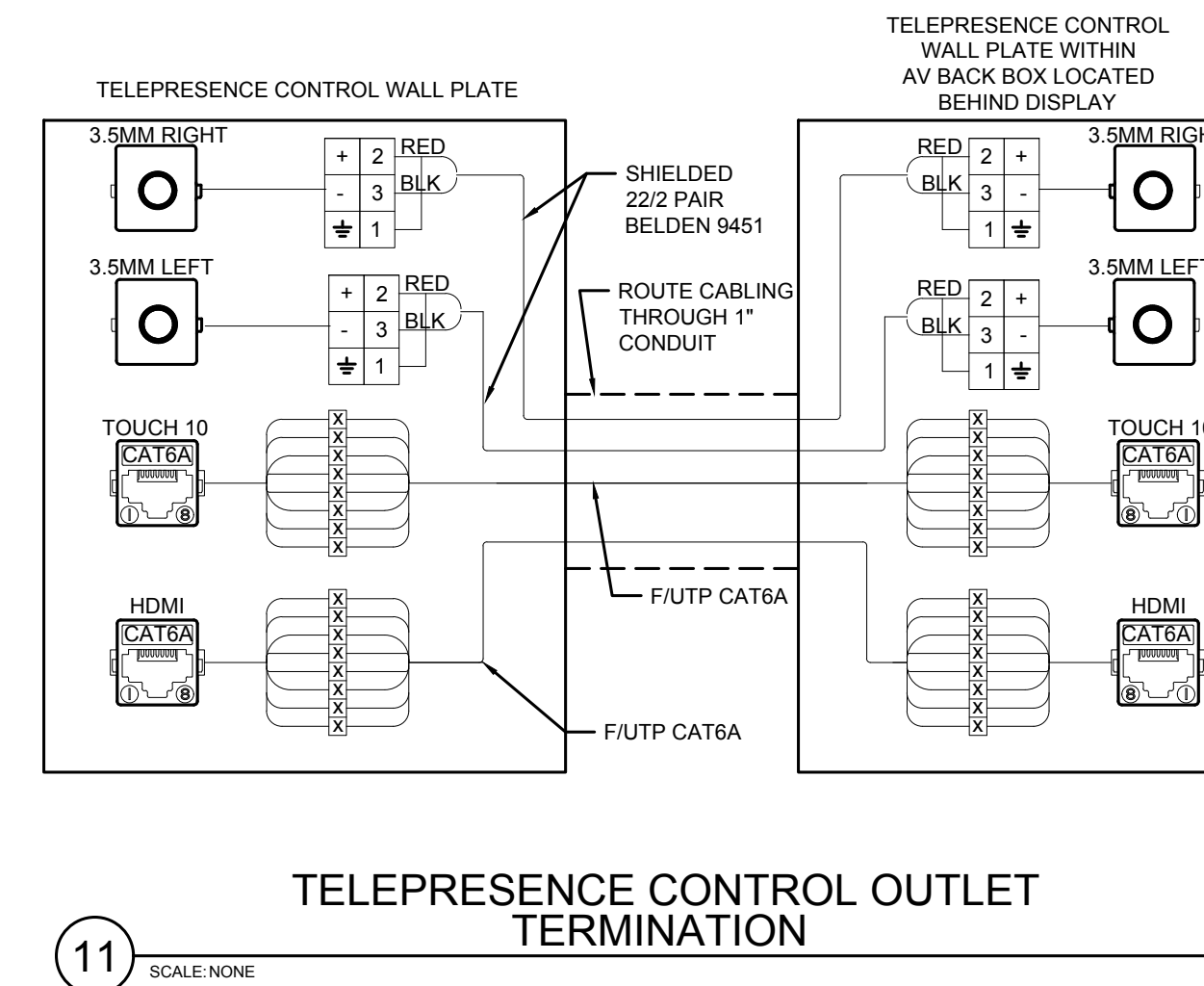
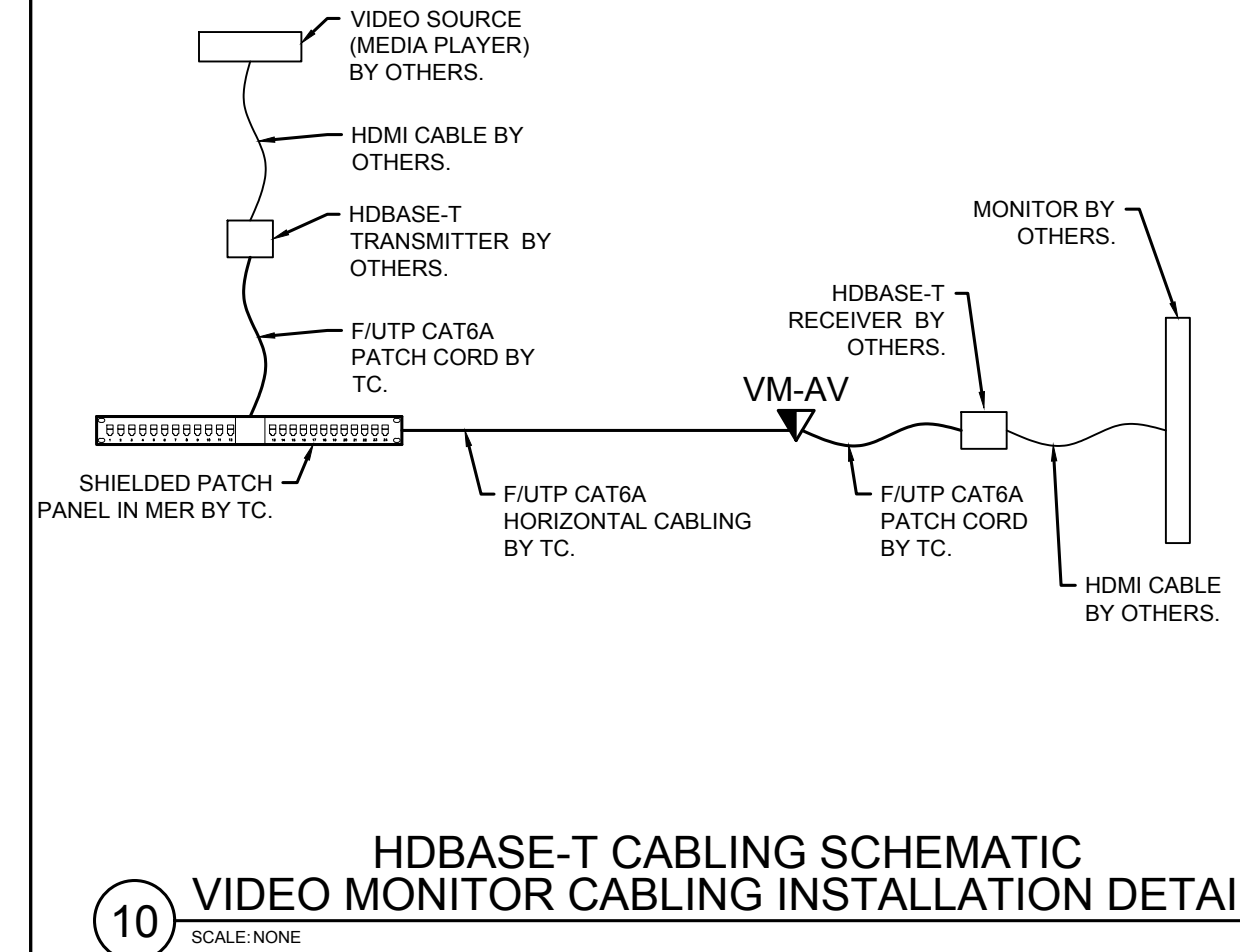




WORK AREA OUTLET SCHEDULE				
TYPE	DESCRIPTION	COLOR	MANUFACTURER	PART NUMBER
STANDARD P/MC NETWORK WORK AREA OUTLETS	CATEGORY 6 JACK	GRAY	COMMSCOPE/ SYSTEMAX	700206733
	ATM CATEGORY 6 JACK	ORANGE	COMMSCOPE/ SYSTEMAX	700206683
	FURNITURE MOUNTED FACEPLATE, 3-PORT	WHITE	COMMSCOPE/ SYSTEMAX	106650868
	FURNITURE MOUNTED FACEPLATE, 4-PORT	WHITE	COMMSCOPE/ SYSTEMAX	760118232
	WALL MOUNTED FACEPLATE, 1-PORT	WHITE	COMMSCOPE/ SYSTEMAX	108254627
	WALL MOUNTED FACEPLATE, 2-PORT	WHITE	COMMSCOPE/ SYSTEMAX	108168469
	WALL MOUNTED FACEPLATE, 4-PORT	WHITE	COMMSCOPE/ SYSTEMAX	108168543
	FLOOR BOX MOUNTED FACEPLATE, 4 PORTS (106 FRAME) - COORDINATE WITH FLOOR BOX MANUFACTURER	WHITE	COMMSCOPE/ SYSTEMAX	106622285
WAP & CAMERA OUTLETS	2-PORT NON-PLENUM RATED SURFACE MOUNT BOX	WHITE	COMMSCOPE/ SYSTEMAX	107984056
	CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 15" PIGTAIL	WHITE	COMMSCOPE/ SYSTEMAX	760235592
	CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 15'-0" PIGTAIL	WHITE	COMMSCOPE/ SYSTEMAX	C015J02-88F015
	WAP CATEGORY 6A JACK	WHITE	COMMSCOPE/ SYSTEMAX	760092429
AUDIO/VIDEO OUTLETS (REBASE-T)	CAMERA (INTEGRAL TO ATM LOCATION ONLY) CATEGORY 6A JACK	GREEN	COMMSCOPE/ SYSTEMAX	760092403
	CATEGORY 6A SHIELDED JACK	BLUE	LEVITON	6ASJK-RL6
	3.5mm STEREO JACK	WHITE	LEVITON	40839-SWS
	WALL MOUNTED MULTIMEDIA FACEPLATE	WHITE	LEVITON	41290-SMW
	MULTIMEDIA OUTLET 2-PORT RJ-45 MODULE INSERT	WHITE	LEVITON	41294-QZW



COLOR CODING CHART	
CAT 6 CABLE	GRAY
CAT 6 PATCH CORD - STANDARD WALL OUTLET	GRAY
CAT 6 PATCH CORD - ATM WALL OUTLET	GRAY
CAT 6 CABLE FOR INNOVATION LAB NETWORK	GRAY
CAT 6A CABLE	WHITE
CAT 6A PATCH CORD - WIRELESS ACCESS POINT	WHITE
CAT 6A PATCH CORD - IP SECURITY CAMERA	WHITE
CAT 6A SHIELDED CABLE	BLUE
CAT 6A SHIELDED PATCH CORD -HDBASE-T	BLUE



**NEW RETAIL  
BRANCH -  
HWY 291 AND SE  
LANGSFORD RD**

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DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021**

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site location **JP MORGAN CHASE & CO**  
**890 NE LANGSROD RD**  
**LEE'S SUMMIT, MO**  
**64063**

designed KB	date 01.19.2021	drawn KE
checked CC	scale AS NOTED	

title
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## TELECOM TERMINATION DETAILS

job no. OVP-38200P368999

shee

# TC-302







NEW RETAIL  
BRANCH -  
HWY 291 AND SE  
LANGSFORD RD

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LEE'S SUMMIT, MISSOURI

08/13/2021

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issue

no	date	issue	by
A	12.21.2020	ISSUED FOR COORDINATION	KB
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title

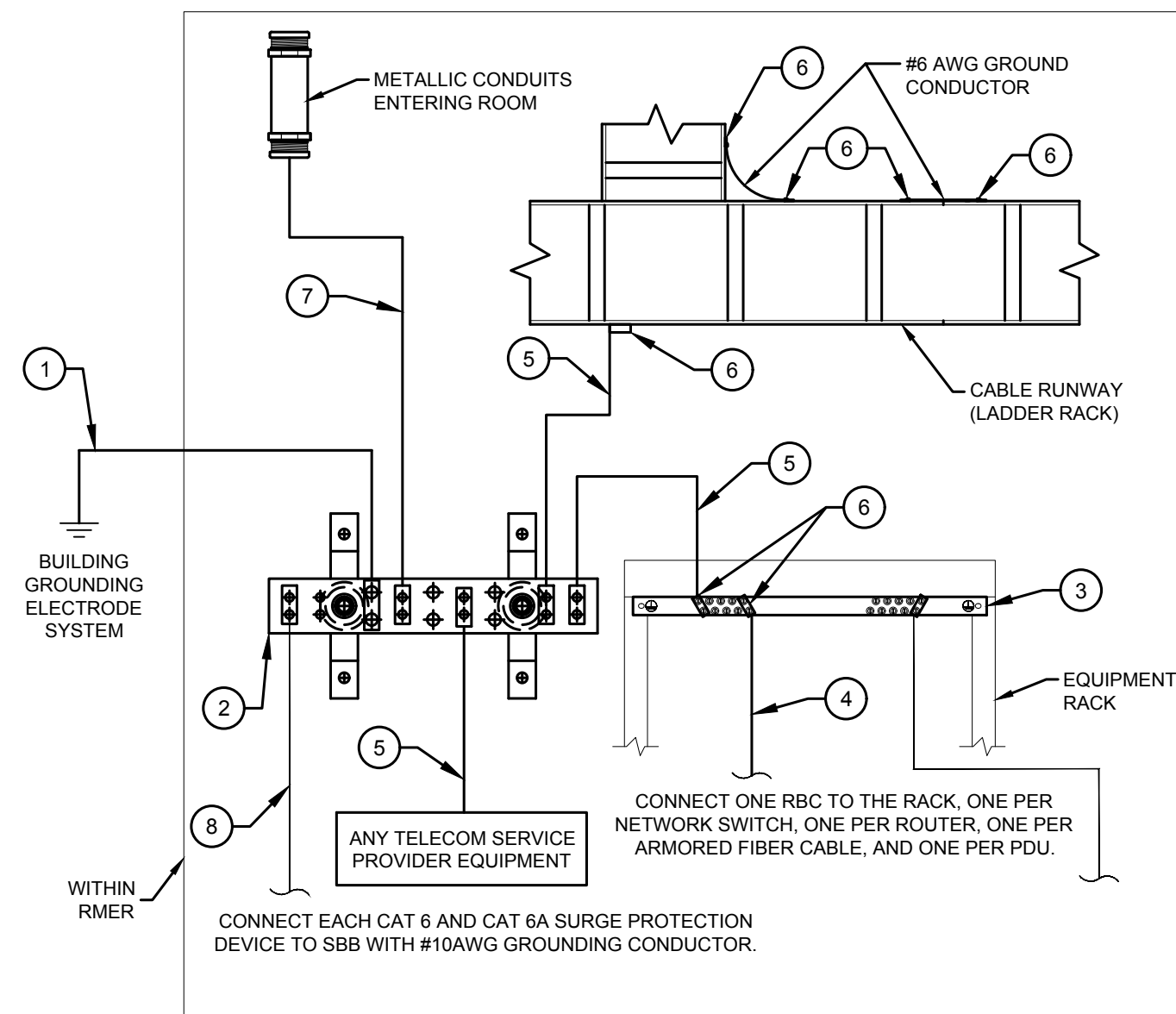
TELECOM  
INSTALLATION DETAILS

job no.

OVP-38200P368999

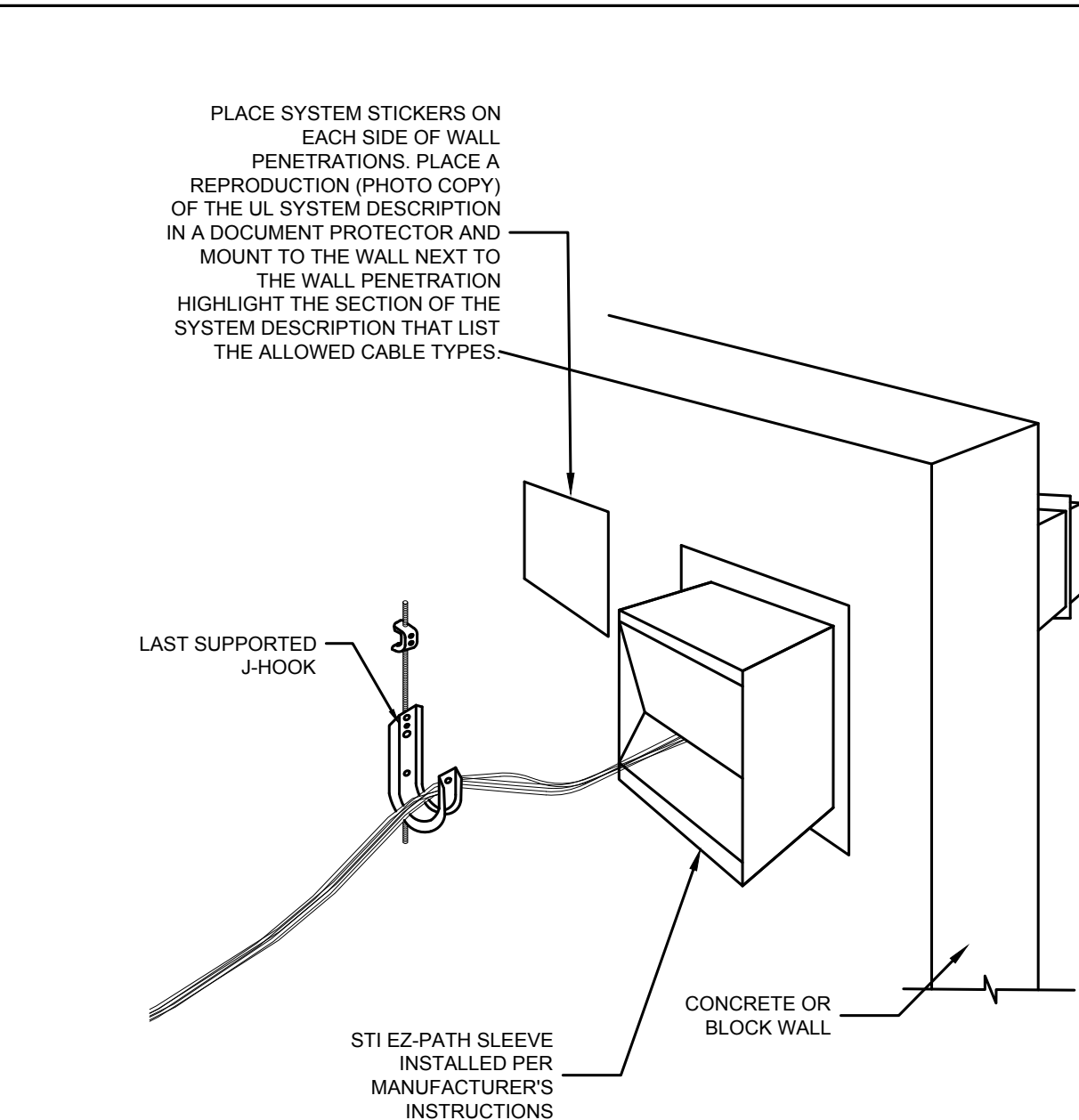
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TC-402



GROUNDING COMPONENT SCHEDULE				
ITEM	DESCRIPTION	MANUFACTURER	PART NUMBER	PROVIDED BY
1	TBC	N/A	N/A	EC
2	SBB	PANDUIT	GB2B0304TPI-1	EC
3	RBB	PANDUIT	RGRB19U	TC
4	RBC	PANDUIT	RGRB19U	TC
5	TBC	PANDUIT	GJS6180U	TC
6	TWO HOLE LONG BARREL LUGS	PANDUIT	LCC6 SERIES	TC
7	TBC	PANDUIT	GJS6180U	EC
8	SURGE PROTECTION BONDING	N/A	N/A	TC

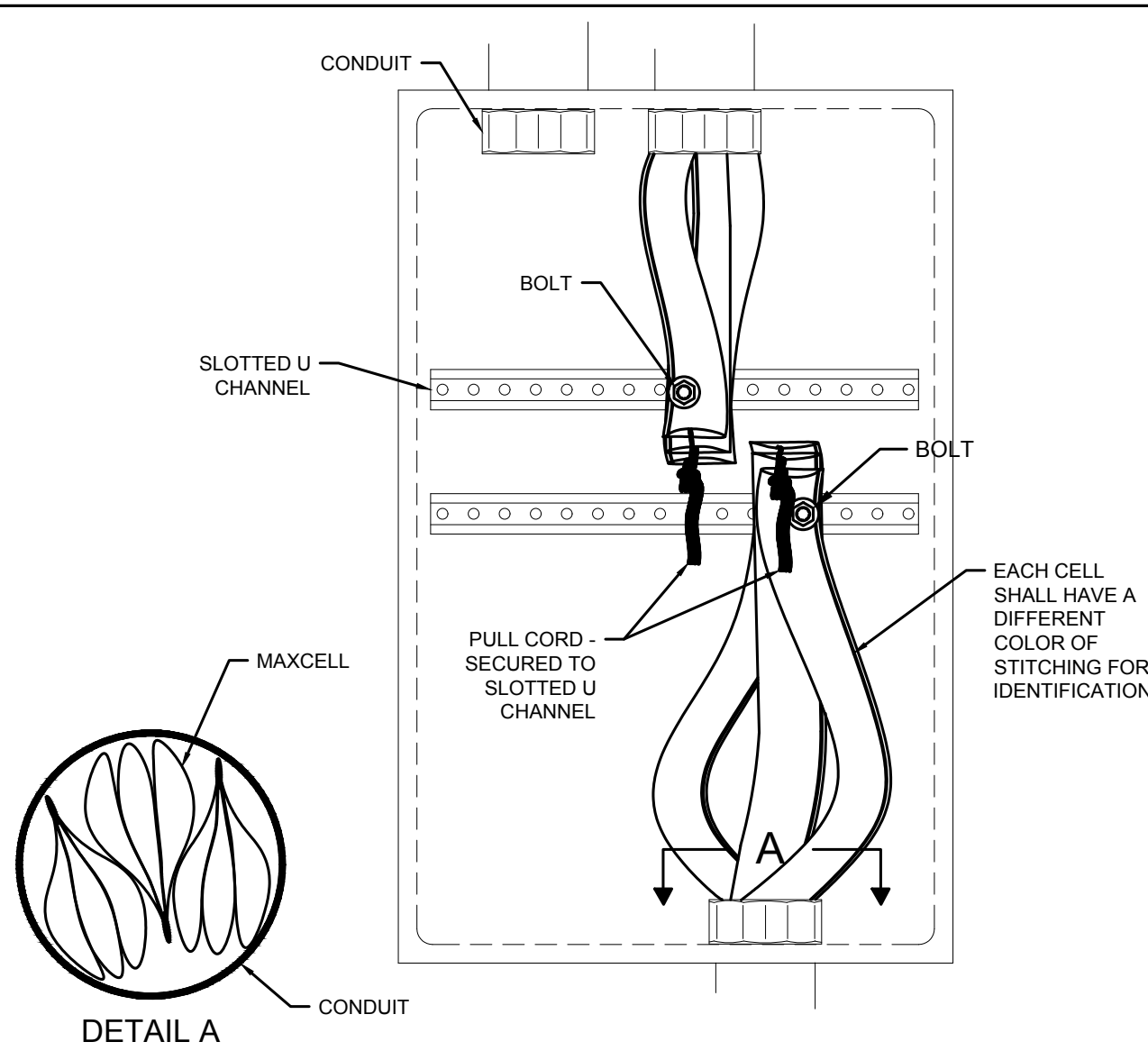
1 TELECOMMUNICATIONS GROUNDING SCHEMATIC  
SCALE: NONE



NOTES:

- BEFORE BEGINNING INSTALLATION, VERIFY THAT SUBSTRATE CONDITIONS PREVIOUSLY INSTALLED UNDER OTHER SECTIONS ARE ACCEPTABLE FOR INSTALLATION OF FIRESTOPPING IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND TECHNICAL INFORMATION.
- SURFACES SHALL BE FREE OF DIRT, GREASE, OIL, SCALE, LANTANCE, RUST, RELEASE AGENTS, WATER REPELLANTS, AND ANY OTHER SUBSTANCES THAT MAY INHIBIT OPTIMUM ADHESION.
- PROVIDE MASKING AND TEMPORARY COVERING TO PROTECT ADJACENT SURFACES.
- DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- GENERAL: INSTALL SYSTEMS IN ACCORDANCE WITH PERFORMANCE CRITERIA AND IN ACCORDANCE WITH THE CONDITIONS OF TESTING AND CLASSIFICATION AS SPECIFIED IN THE PUBLISHED DESIGN.
- MANUFACTURER'S INSTRUCTIONS: COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF PRODUCTS.
- KEEP AREAS OF WORK ACCESSIBLE UNTIL INSPECTION BY AUTHORITIES HAVING JURISDICTION.
- WHERE DEFICIENCIES ARE FOUND, REPAIR FIRESTOPPING PRODUCTS SO THEY COMPLY WITH REQUIREMENTS.
- REMOVE EQUIPMENT, MATERIALS, AND DEBRIS, LEAVING AREA IN UNDAMAGED, CLEAN CONDITION.
- CLEAN ALL SURFACES ADJACENT TO SEALED OPENINGS TO BE FREE OF EXCESS FIRESTOPPING MATERIALS AND SOILING AS WORK PROGRESSES.

5  
SCALE: NONE



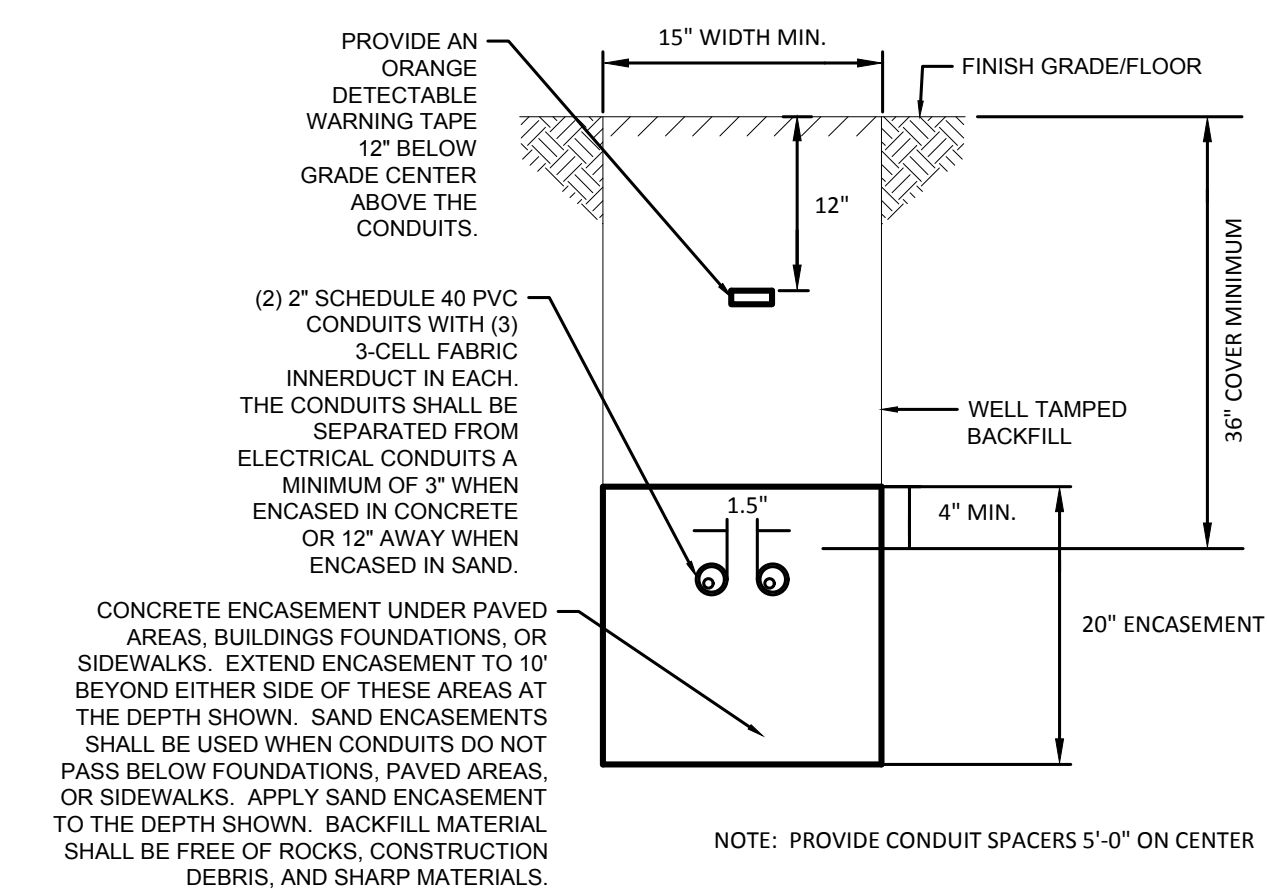
NOTES:

- FOR EACH 2 INCH CONDUIT, INSTALL (1) 2 IN - 3 CELL MAXCELL INNERDUCT.
- UNLESS WAIVED IN WRITING BEFORE COMMENCEMENT OF WORK, CONTRACTOR SHALL ENGAGE MANUFACTURER PRIOR TO THE PULL TO ASSURE RECOMMENDED INSTALLATION METHODS ARE FOLLOWED.
- A BALL BEARING SWIVEL (BULL NOSE SWIVEL) MUST ALWAYS BE USED BETWEEN THE PULL ROPE AND MAXCELL. FAILURE TO DO SO MAY RESULT IN PULL ROPE OR TAPE INDUCING TWIST, CAUSING THE MAXCELL TO TWIST EXCESSIVELY AND MAY MAKE IT DIFFICULT TO PULL CABLE.
- CELL ASSIGNMENTS MUST BE DOCUMENTED AT EACH APPEARANCE OF THE INNER DUCT.
- EXCEPT WHERE NOTED, CONDUIT THAT IS 50 MM (2 IN) IN DIAMETER SHOULD BE EQUIPPED WITH 2" 3-CELL SOFT DUCT QUANTITY 1. CONDUIT THAT IS 75 MM (3 IN) SHOULD BE EQUIPPED WITH 3" 3-CELL SOFT DUCT, MAXIMUM QUANTITY 2; AND 100 MM (4 IN) IN DIAMETER SHOULD BE EQUIPPED WITH 4" 3-CELL SOFT DUCT, MAXIMUM QUANTITY 2.
- WHEN 3" 3-CELL SOFT DUCT IS TOO SMALL TO ACCOMMODATE LARGE DIAMETER CABLES AND LARGE O.D. FACTORY TERMINATED PULLING GRIPS, CONDUIT THAT IS 75 MM (3 IN) SHOULD BE EQUIPPED WITH 4" 3-CELL SOFT DUCT, MAXIMUM QUANTITY 1; AND 100 MM (4 IN) IN DIAMETER SHOULD BE EQUIPPED WITH 4" 3-CELL SOFT DUCT, MAXIMUM QUANTITY 2.
- THE OUTSIDE DIAMETER OF PULLING GRIPS ASSOCIATED WITH FACTORY TERMINATED FIBER TRUNK CABLES WILL AFFECT THE SELECTION OF SOFT DUCT. SEE TABLE 1 FOR DETAIL.

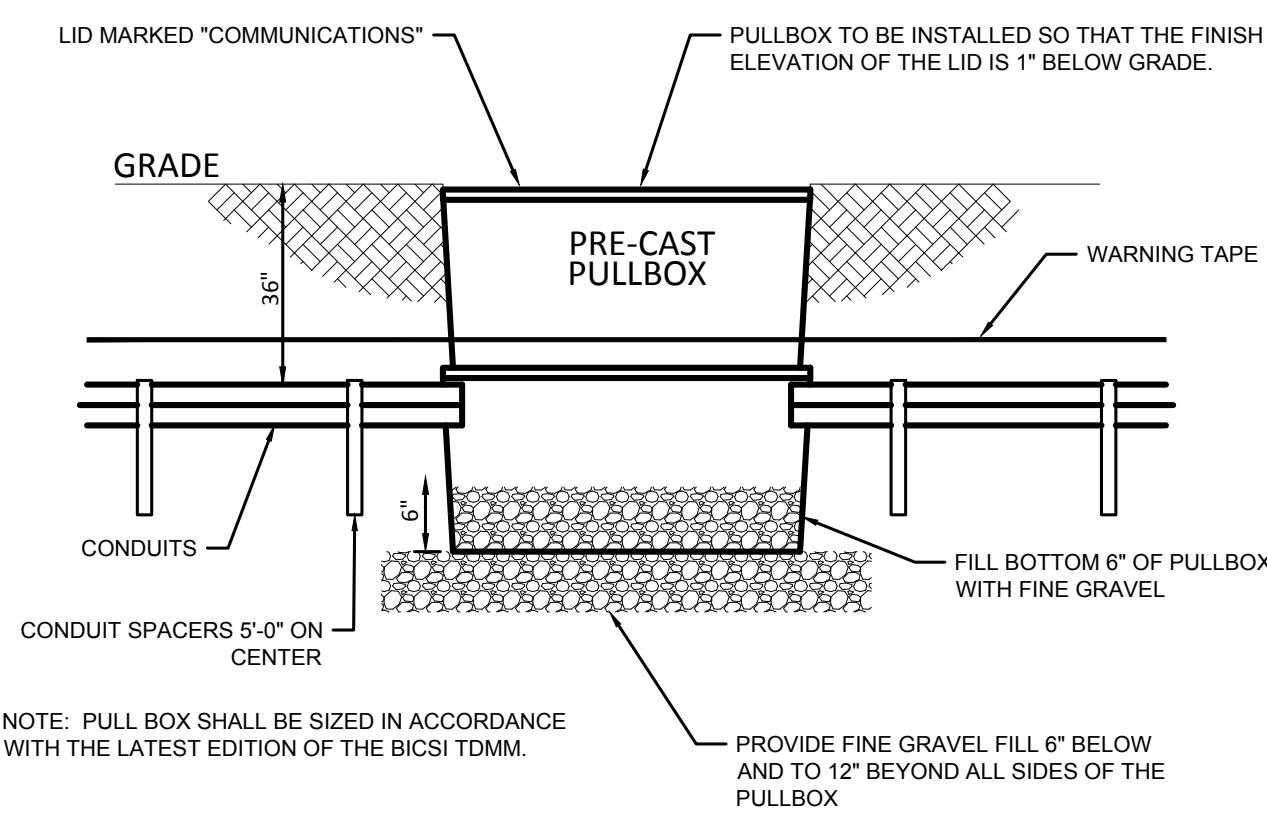
TABLE 1 - SOFT DUCT SIZING GUIDELINE  
MAXIMUM CABLE/GRIIP DIAMETER PER CELL MM(IN) CELL SIZE

18 (7)	2"
26 (1.03)	3"
34 (1.34)	4"
>34 (1.34)	SEE OPR

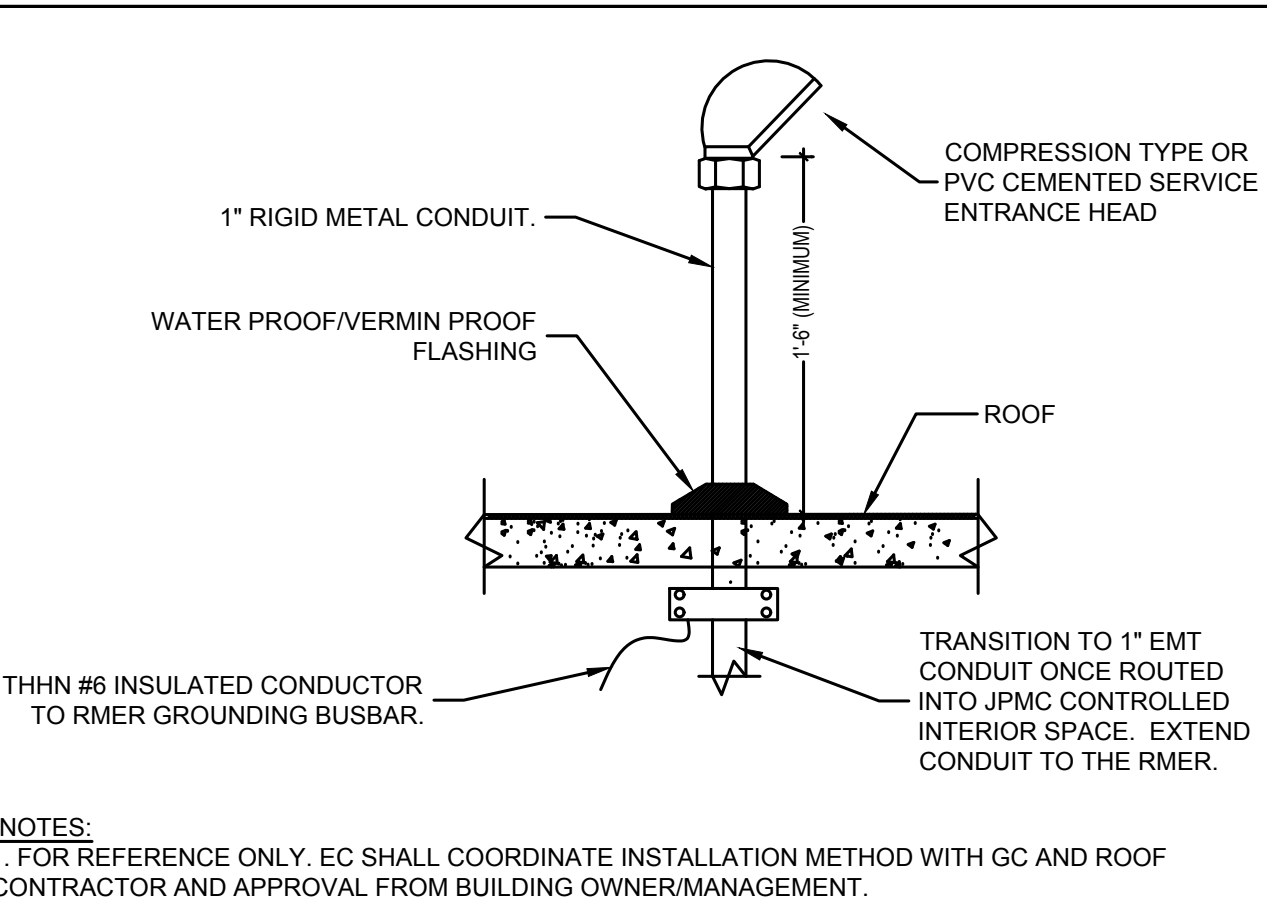
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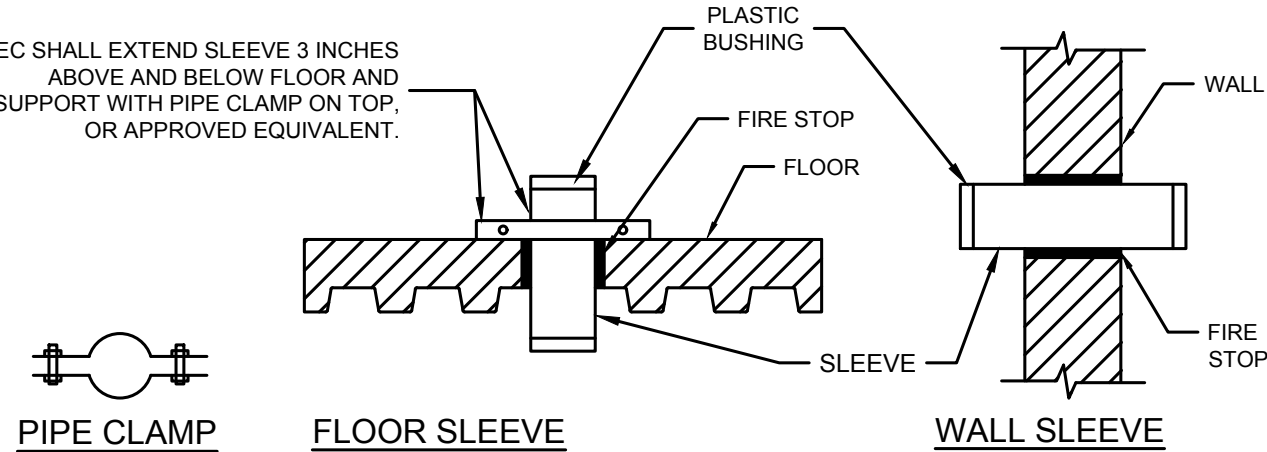
2  
SCALE: NONE



3  
SCALE: NONE



7  
SCALE: NONE

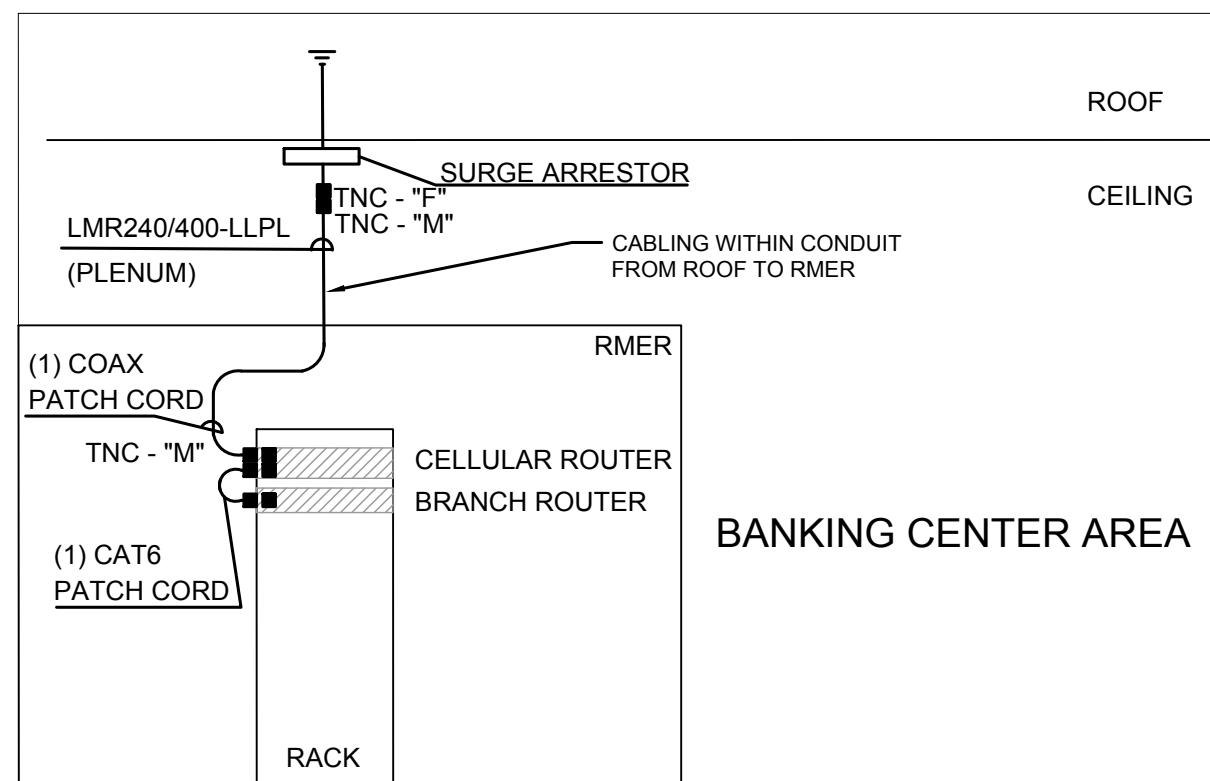


NOTES:

- CLEAN CORE DRILL, ONE SIZE LARGER THAN SLEEVE.
- PACK VOID BETWEEN SLEEVE AND FLOOR WITH NON-SHRINK, WATER TIGHT, APPROVED FIRE RATED MATERIAL.
- INSTALL PLASTIC BUSHINGS AT BOTH ENDS.

LOCATION: TYPICAL FOR ALL RETAIL TELECOM ROOMS / RETAIL MAIN EQUIPMENT ROOMS, SEE DRAWINGS FOR ALL PENETRATION LOCATIONS AND FIELD COORDINATE

8  
SCALE: NONE



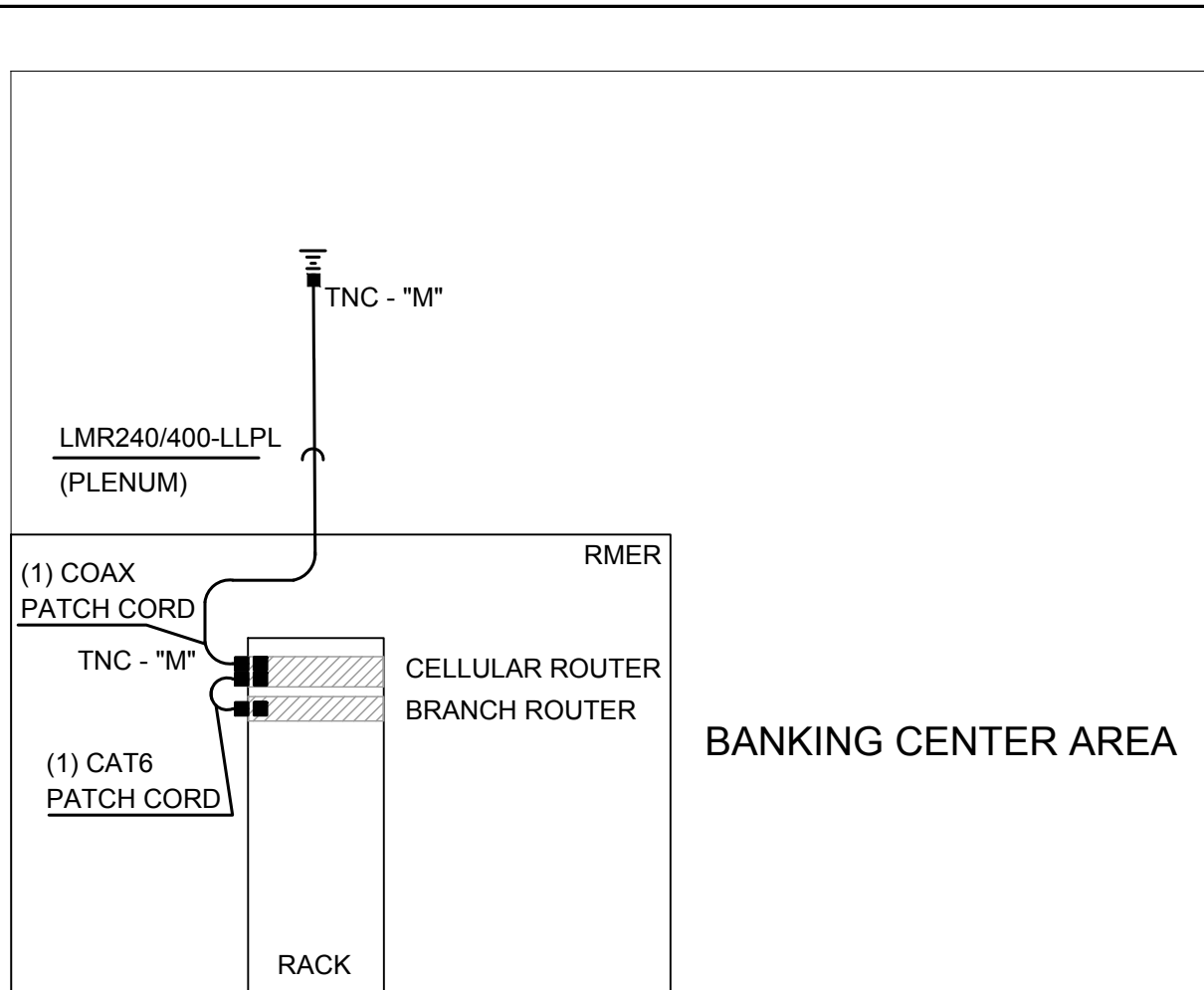
NOTE:

- DETAIL IS SHOWN FOR REFERENCE ONLY. WIRELESS CELLULAR SYSTEM INFRASTRUCTURE WILL BE PROVIDED BY THIRD PARTY CONTRACTOR.
- CODE REQUIRES THE OUTDOOR RATED COAX TO THE ROOF ANTENNA BE TRANSITIONED WITHIN 50 FEET OF PENETRATING THE ROOF, TO A PLENUM RATED COAX.
- SURGE ARRESTOR TO BE LOCATED AS CLOSE AS POSSIBLE TO CEILING PENETRATION.
- VERIFY ANTENNA, SURGE ARRESTOR, AND CELLULAR ROUTER CONNECTION TYPES PRIOR TO TERMINATING THE COAX CABLES.
- ALL FIELD TERMINATED CABLES ARE TO BE TESTED

MAJOR MATERIALS:

- OUTDOOR OMNIDIRECTIONAL ANTENNA FOR 2G/3G/4G CELLULAR (JPMC SUPPLIED)
- 4G LIGHTNING SUPPRESSORS/ARRESTORS FOR OUTDOOR ANTENNA INSTALLS
- CEILING MOUNT BRACKET (JDTECK) FOR INDOOR PANEL ANTENNA INSTALLS
- DIRECTIONAL (PANEL OR LOG PERIODIC STYLE) ANTENNAS (JPMC SUPPLIED)
- LMR-240 FLEXIBLE LOW LOSS COMMUNICATIONS COAX OR LMR-400 FLEXIBLE LOW LOSS COMMUNICATIONS COAX
- TNC CONNECTORS (TO ROUTER), N CONNECTORS TO ANTENNA

4  
SCALE: NONE



NOTE:

- DETAIL IS SHOWN FOR REFERENCE ONLY. WIRELESS CELLULAR SYSTEM INFRASTRUCTURE WILL BE PROVIDED BY THIRD PARTY CONTRACTOR.
- CODE REQUIRES THE OUTDOOR RATED COAX TO THE ROOF ANTENNA BE TRANSITIONED WITHIN 50 FEET OF PENETRATING THE ROOF, TO A PLENUM RATED COAX.
- VERIFY ANTENNA, AND CELLULAR ROUTER CONNECTION TYPES PRIOR TO TERMINATING THE COAX CABLES.
- ALL FIELD TERMINATED CABLES ARE TO BE TESTED

MAJOR MATERIALS:

- OUTDOOR OMNIDIRECTIONAL ANTENNA FOR 2G/3G/4G CELLULAR (JPMC SUPPLIED)
- 4G LIGHTNING SUPPRESSORS/ARRESTORS FOR OUTDOOR ANTENNA INSTALLS
- CEILING MOUNT BRACKET (JDTECK) FOR INDOOR PANEL ANTENNA INSTALLS
- DIRECTIONAL (PANEL OR LOG PERIODIC STYLE) ANTENNAS (JPMC SUPPLIED)
- LMR-240 FLEXIBLE LOW LOSS COMMUNICATIONS COAX OR LMR-400 FLEXIBLE LOW LOSS COMMUNICATIONS COAX
- TNC CONNECTORS (TO ROUTER), N CONNECTORS TO ANTENNA

9  
SCALE: NONE



















PROJECT MAJOR MATERIAL REQUIREMENTS							
CATEGORY	MATERIAL	MANUFACTURER	MODEL NUMBER	QTY	EXT	NOTES	
COPPER CABLING	CAT6, PLENUM RATED, HORIZONTAL UTP GRAY CABLE	COMMSCOPE/SYSTEMAX	700210198 (REEL)	#	LF		
	CAT6, PLENUM RATED, HORIZONTAL UTP GRAY CABLE	COMMSCOPE/SYSTEMAX	700214372 (BOX)	#	LF		
	CATEGORY 6, NONPLENUM RATED HORIZONTAL UTP GRAY CABLE	COMMSCOPE/SYSTEMAX	700211833 (REEL)	#	LF		
	CATEGORY 6, NONPLENUM RATED HORIZONTAL UTP GRAY CABLE	COMMSCOPE/SYSTEMAX	700211931 (BOX)	#	LF		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C132-03P001	5	EA		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C132-03P005	7	EA		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C132-03P007	47	EA		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C132-03P010	24	EA		
	CATEGORY 6A, PLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/SYSTEMAX	760105940 (REEL)	#	LF		
	CATEGORY 6A, PLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/SYSTEMAX	760107288 (BOX)	#	LF		
	CATEGORY 6A, NONPLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/SYSTEMAX	760109817	#	LF		
	CATEGORY 6A, PATCH CORD WHITE	COMMSCOPE/SYSTEMAX	CPCS8X2-08P007	21	EA		
	CATEGORY 6A, PATCH CORD WHITE	COMMSCOPE/SYSTEMAX	CPCS8X2-08P010	27	EA		
	CATEGORY 6A, PLENUM RATED, HORIZONTAL FI/UP BLUE CABLE	BERK-TEK	10143424	#	LF		
	8 CATEGORY 6A, FI/UP, BLUE PATCH CORD	LEVITON	6A510-5L	9	EA		
	7 CATEGORY 6A, FI/UP, BLUE PATCH CORD	LEVITON	6A510-7L	6	EA		
	CATEGORY 6, OSP RATED, HORIZONTAL UTP CABLE	COMMSCOPE/SYSTEMAX	760008888	#	LF		
	FIBER	CATEGORY 6, OSP RATED, PATCH CORD BLACK	COMMSCOPE/SYSTEMAX	CO15582-01F007	1	EA	
CATEGORY 6A, OSP RATED, HORIZONTAL UTP CABLE		COMMSCOPE/SYSTEMAX	760117821	#	LF		
CATEGORY 6A, OSP RATED, PATCH CORD BLACK		COMMSCOPE/SYSTEMAX	CO15582-01F007	3	EA		
SHIELDED 20/2 PAIR CABLE		BELDEN	9481	#	LF		
12-STRAND SINGLE MODE, INDOOR, PLENUM RATED FIBER BACKBONE REEL		CORNING	01E26R3311-29	#	LF		
HYBRID FIBER (3-STRAND SINGLE MODE) WITH COPPER (TWO 12AWG), OUTDOOR RATED HORIZONTAL CABLE		BERK-TEK	ONE-REACH SERIES	#	LF		
SINGLE MODE FIBER PATCH CORD - DUPLEX LC		CORNING	787602001/200020	2	EA		
MULTIMODE FIBER PATCH CORD - DUPLEX LC TO LC		CORNING	050027151/60020	2	EA		
CAT 6 RJ45 JACK (GREY)		COMMSCOPE/SYSTEMAX	7600206733	60	EA		
CAT 6 RJ45 JACK (ORANGE)		COMMSCOPE/SYSTEMAX	760205683	8	EA		
CAT 6A RJ45 JACK (GREEN)		COMMSCOPE/SYSTEMAX	760093243	40	EA		
CAT 6A RJ45 JACK (WHITE)		COMMSCOPE/SYSTEMAX	760092429	6	EA		
WALL MOUNTED FACEPLATE, 4-PORT		COMMSCOPE/SYSTEMAX	108168454	28	EA		
2-PORT NON-PLENUM RATED SURFACE MOUNT BOX		COMMSCOPE/SYSTEMAX	107948456	2	EA		
4-PORT 106-FRAME FACEPLATE FOR DECORATOR STYLE FLOOR BOX		COMMSCOPE/SYSTEMAX	106622285	4	EA		
CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 1/8" LONG POSTAL		COMMSCOPE/SYSTEMAX	760235952	8	EA		
CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 1/2" LONG POSTAL		COMMSCOPE/SYSTEMAX	CO15-02848F015	22	EA		
FACEPLATE AND BOXES		CATEGORY 6A SHIELDED JACK	LEVITON	6A5UK-R6L	10	EA	
	WALL MOUNTED MULTIMEDIA FACEPLATE	LEVITON	41290-SMW	5	EA		
	WHITE MULTIMEDIA OUTLET 2-PORT RJ45 MODULE	LEVITON	41294-20W	16	EA		
	3.5mm STEREO JACKS	LEVITON	40693-SVYS	4	EA		
	GROUNDING & MOUNTING	RACK MOUNTED EQUIPMENT GROUND KIT W/ 96" JUMPER	PANDUIT	RGMRJ696Y	10	EA	
		BUSBAR-TO-RACK GROUND BAR KIT W/ 15" JUMPER	PANDUIT	C356R180U	4	EA	
		RACK MOUNTED HORIZONTAL GROUNDING BUSBAR KIT (SEE GROUNDING SCHEMATIC)	PANDUIT	RGRN18U	2	EA	
	TWO HOLE LONG BARREL LUG	PANDUIT	LCCS SERIES	#	EA		
	EQUIPMENT DOWEL/RACK AND ASSOCIATED COMPONENTS	2-PORT RACK, 45RU, BLACK FINISH	CPI	66353-703	2	EA	
		6" WIDE, DOUBLE-SIDED VERTICAL CABLE MANAGER, BLACK FINISH	CPI	30095-703	2	EA	
		10" WIDE, DOUBLE-SIDED VERTICAL CABLE MANAGER, BLACK FINISH	CPI	30096-703	1	EA	
		2RU HORIZONTAL CABLE MANAGER, BLACK FINISH	CPI	30130-719	6	EA	
		MODULAR, ANGLED, 48-PORT PATCH PANEL	COMMSCOPE/SYSTEMAX	760187211	1	EA	
		MODULAR, ANGLED, 24-PORT PATCH PANEL	COMMSCOPE/SYSTEMAX	760187203	4	EA	
		CATEGORY 6A RATED, ANGLED, SHIELDED 24-PORT PATCH PANEL	LEVITON	452556-824	1	EA	
		18RU FIBER OPTIC PANEL WITH DUPLEX LC CONNECTOR PANELS	CORNING	COH-C1U	1	EA	
		DUPLEX LC CONNECTOR PANELS	CORNING	COH-CP24-A9	1	EA	
		BLACK VERTICAL POWER DISTRIBUTION UNIT	CPI	TS1035241	1	EA	
MOUNTING BRACKET BLACK		CPI	TS101213	1	EA		
WHITE VERTICAL POWER DISTRIBUTION UNIT		CPI	TS1035242	1	EA		
MOUNTING BRACKET WHITE		CPI	TS101213	1	EA		
2RU BLANK PANEL - BLACK FINISH		CPI	30024-702	2	EA		
12" WIDE LADDER RACK - BLACK FINISH		CPI	10250-712	15	LF		
LADDER RACK 3 STRINGER RADIUS DROP 10 3/4" - BLACK FINISH		CPI	12101-711	3	EA		
LADDER RACK CABLE RETAINING POSTS		CPI	10596-706	6	EA		
LADDER RACK WALL ANGLE SUPPORT KIT		CPI	11421-712	4	EA		
EQUIPMENT SHELF		CPI	11359-719	4	EA		
SERVER MOUNTING BRACKET		CPI	12751-719	1	EA		
12-PORT FIBER ENCLOSURE FOR EXTENSION OF CARRIER CONNECTIONS TO RACK		CORNING	PW1402P	1	EA		
12-PORT OUTLET FOR COPPER EXTENSION OF CARRIER TO RACK		COMMSCOPE	10668156	1	EA		
FIRE RATED SLEEVES		C14-C15 LOCKING POWER CORD (BLACK) 2 METER	ZONT	(1) 2L6K-C14-C14-4C15-2m	2	EA	
		C14-C15 LOCKING POWER CORD (WHITE) 2 METER	ZONT	(1) 2L6K-C14-C14-4C15-2m-WH	2	EA	
		C14-C13 LOCKING POWER CORD (BLACK) 2 METER	ZONT	(1) 2L6K-C14-C14-4C13-2m	1	EA	
		C14-C13 LOCKING POWER CORD (WHITE) 2 METER	ZONT	(1) 2L6K-C14-C14-4C13-2m-WH	2	EA	
		CAT 6 SURGE PROTECTION DEVICE	ITW	CA16-75A	1	EA	
	CAT 6A SURGE PROTECTION DEVICE	ITW	CA16A-75	3	EA		
	4" PRE-MANUFACTURED FIRE RATED SLEEVE	STI	E2D4452	2	EA		
	WATERFALL ADAPTER	STI	E2RMC448	3	EA		
	MULTI-GANG PLATE	STI	E2P544W	2	EA		
	4" PRE-MANUFACTURED FIRE RATED SLEEVE FOR SECURITY CABLING	STI	E2DP4482	1	EA		
2" PRE-MANUFACTURED FIRE RATED SLEEVE	STI	E2D22	1	EA			

NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES PRIOR TO PROCUREMENT.
- **"#"** DENOTES THAT THE CONTRACTOR IS TO FIELD VERIFY LENGTHS AND QUANTITIES PRIOR TO PROCUREMENT.

PATCH PANEL "A" - CAT6 - SCHEDULE			
PORT #	LOCATION	ITEM	LABEL
1	PCS 2 106	DATA OUTLET	M2A01
2	LAO / ACCESS TELLER / ATM & AHD RM 117	DATA OUTLET	M2A02
3	LAO / ACCESS TELLER / ATM & AHD RM 117	DATA OUTLET	M2A03
4	PCS 1 101	DATA OUTLET	M2A04
5	BOOTH 3 103	DATA OUTLET	M2A05
6	BOOTH 4 104	DATA OUTLET	M2A06
7	BOOTH 5 105	DATA OUTLET	M2A07
8	PCS 7 111	DATA OUTLET	M2A08
9	PCS 8 108	DATA OUTLET	M2A09
10	LIVING ROOM 119	DATA OUTLET	M2K 10
11	LIVING ROOM 119	DATA OUTLET	M2A11
12	CONFERENCE ROOM 110	DATA OUTLET	M2A12
13	CONFERENCE ROOM 110	DATA OUTLET	M2A13
14	CONFERENCE ROOM 110	DATA OUTLET	M2K 14
15	LAO / ACCESS TELLER / ATM & AHD RM 117	DATA OUTLET	M2A15
16	LAO / ACCESS TELLER / ATM & AHD RM 117	DATA OUTLET	M2A16
17	CASH ROOM 116	DATA OUTLET	M2A17
18	PRINT / FILE RM 109	DATA OUTLET	M2K 18
19	PRINT / FILE RM 109	DATA OUTLET	M2A19
20	RMER / DATA 115	DATA OUTLET	M2A20
21	RMER / DATA 115	DATA OUTLET	M2A21
22	RMER / DATA 115	DATA OUTLET	M2K22
23	RMER / DATA 115	DATA OUTLET	M2A23
24	RMER / DATA 115	DATA OUTLET	M2A24
25	LOUNGE 113	WALL PHONE	M2A25
26	CASH ROOM 116	DATA OUTLET	M2K26
27	MANUAL TRANSACTION 114	WALL PHONE	M2A27
28	LAO / ACCESS TELLER / ATM & AHD RM 117	WALL PHONE	M2A28
29	PRINT / FILE RM 109	WALL PHONE	M2A29
30	RMER / DATA 115	WALL PHONE	M2K30
31	LAO / ACCESS TELLER / ATM & AHD RM 117	ATM DATA OUTLET	M2A31
32	LOBBY 120	ATM DATA OUTLET	M2A32
33	LOBBY 120	ATM DATA OUTLET	M2A33
34	LOBBY 120	ATM DATA OUTLET	M2K34
35	MANUAL TRANSACTION 114	TELLER DATA OUTLET	M2A35
36	MANUAL TRANSACTION 114	TELLER DATA OUTLET	M2A36
37	MANUAL TRANSACTION 114	TELLER DATA OUTLET	M2K37
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<b>PORT #</b>	<b>LOCATION</b>	<b>ITEM</b>	<b>LABEL</b>
1	PRINT /FILE RM. 109	WAP 1	M2801
2	LOUNGE 113	WAP 2	M2802
3	LAO / ACCESS TELLER / ATM & AHD RM. 117	WAP 3	M2803
4	LOBBY 120	WAP 4	M2804
5	DRT 121	WAP 5	M2805
6	PCS 7 107	WAP 6	M2806
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PATCH PANEL "C" - CAT6A CAMERA - SCHEDULE			
PORT #	LOCATION	ITEM	LABEL
1	LOBBY 120	CAM #1	M2C01
2	LOBBY 120	CAM #2	M2C02
3	LIVING ROOM 119	CAM #3	M2C03
4	LOBBY 120	CAM #4	M2C04
5	LOBBY 120	CAM #5	M2C05
6	DRT 121	CAM #6	M2C06
7	LOBBY 120	CAM #7	M2C07
8	CORRIDOR 112	CAM #8	M2C08
9	LOUNGE 113	CAM #9	M2C09
10	DATA / RM1R 115	CAM #10	M2C10
11	CASH ROOM 116	CAM #11	M2C11
12	MANUAL TRANSACTION 118	CAM #12	M2C12
13	MANUAL TRANSACTION 118	CAM #13	M2C13
14	MANUAL TRANSACTION 118	CAM #14	M2C14
15	LAO / ACCESS TELLER / ATM & AHD RM. 117	CAM #15	M2C15
16	LAO / ACCESS TELLER / ATM & AHD RM. 117	ATM CAM #16	M2C16
17	LOBBY 120	ATM CAM #17	M2C17
18	LOBBY 120	ATM CAM #18	M2C18
19	24 -HOUR TRANSACTION VESTIBULE	CAM #19	M2C19
20	24 -HOUR TRANSACTION VESTIBULE	CAM #20	M2C20
21	24 -HOUR TRANSACTION VESTIBULE	EXT CAM #21	M2C21
22	24 -HOUR TRANSACTION VESTIBULE	EXT CAM #22	M2C22
23	CASH ROOM 116	EXT CAM #23	M2C23
24	LOUNGE 113	EXT CAM #24	M2C24

PATCH PANEL "D" - CAT6A CAMERA - SCHEDULE			
PORT #	LOCATION	ITEM	LABEL
1	UNISEX RESTROOM 1 110	EXT CAM #25	M2001
2	CONF ROOM 106	EXT CAM #26	M2002
3	SITE	ATM CAM #27	M2003
4	SITE	EXT CAM #28	M2004
5	SITE	EXT CAM #29	M2005
6	LOUNGE 113	SECURITY MONITOR	M2006
7	LOUNGE 113	SECURITY MONITOR	M2007
8	MANUAL TRANSACTION 118	SECURITY MONITOR	M2008
9	MANUAL TRANSACTION 118	SECURITY MONITOR	M2009
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PATCH PANEL "E" - F/UTP CAT6A VIDEO - SCHEDULE			
PORT #	LOCATION	ITEM	LABEL
1	LOBBY 120	VM-AV OUTLET	M2E01
2	LIVING ROOM 119	VM-AV OUTLET	M2E02
3	COMMUNITY WALL	VM-AV OUTLET	M2E03
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**NEW RETAIL  
BRANCH -  
HWY 291 AND SE  
LANGSFORD RD**

keyplan

FOR REFERENCE ONLY  
ISSUED AND  
PERMITTED BY OTHERS

**RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
08/13/2021**

sea

[illegible]

site location	<b>JP MORGAN CHASE &amp; CO</b> <b>890 NE LANGROD RD</b> <b>LEE'S SUMMIT, MO</b> <b>64063</b>
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designed KB	date 01.19.2021	drawn KB
checked CC	scale AS NOTED	

title
<p style="text-align: center;"><b>TELECOM MATERIALS AND PATCH PANEL SCHEDULES</b></p>

job no. OVP-38200P368999

sheet