



RETAIL BANKING CENTER  
PRYOR RD AND LOWENSTEIN DR  
908 NW PRYOR RD  
LEE'S SUMMIT, MO 64081

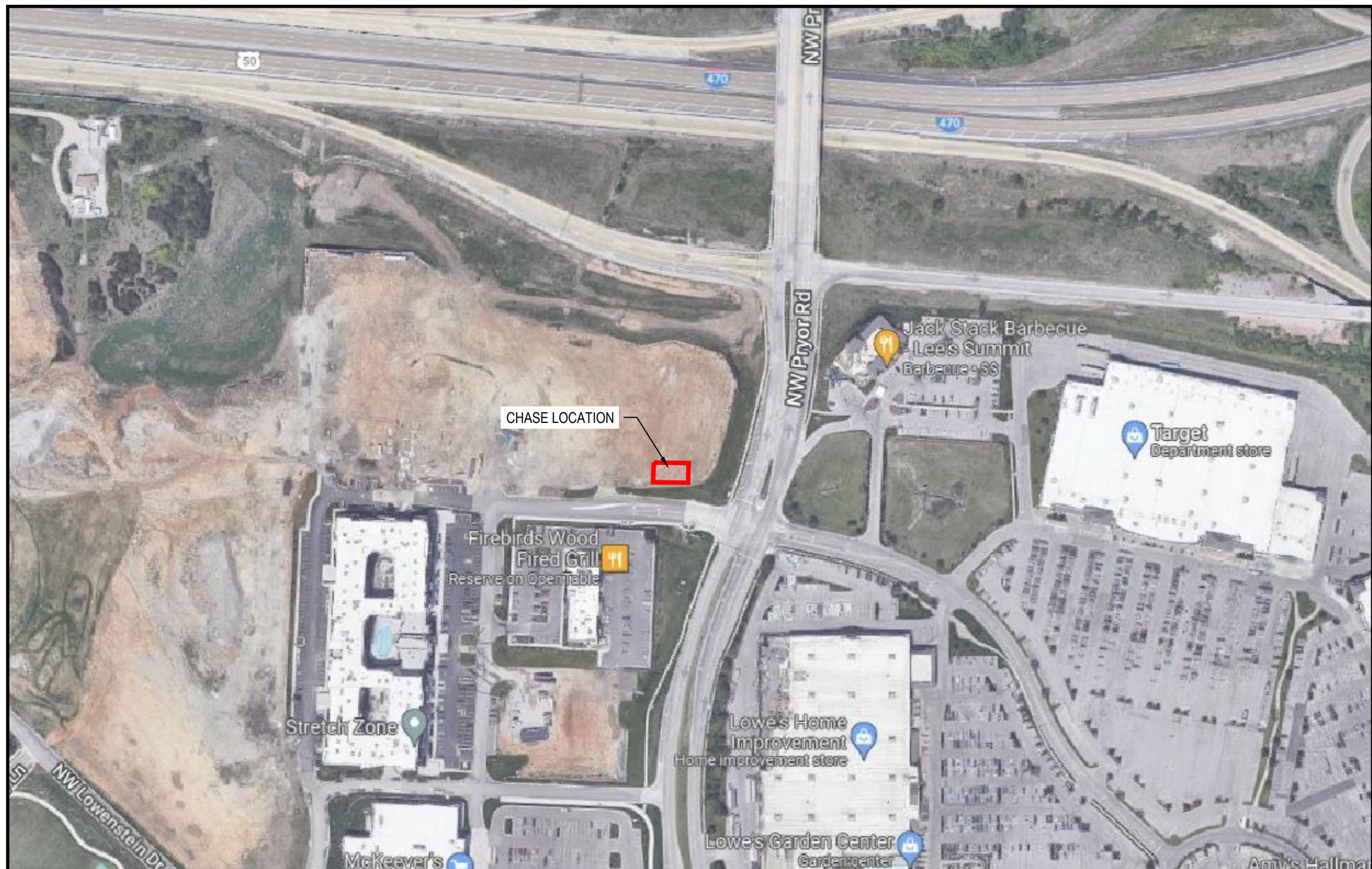


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DRAWING SYMBOLS LEGEND

	CONSTRUCTION TYPE
	WINDOW
	DOOR
	FINISH MATERIAL
	EQUIPMENT / FURNITURE / DEVICE
	EQUIPMENT / FURNITURE / DEVICE
	EXTERIOR ELEVATION
	INTERIOR ELEVATION
	SECTION
	DETAIL- VERTICAL
	DETAIL- HORIZONTAL
	KEYNOTE
	ROOM / AREA DESIGNATION
	DRAWING REVISION
	DRAWING TEXT NOTES INTENDED FOR INCLUSION WITH COMPLETED CONSTRUCTION DOCUMENTS
	DRAWING TEXT NOTES INDICATING DESIGN-INTENT INFORMATION FOR THE DESIGNER- NOT INTENDED FOR INCLUSION WITH COMPLETED CONSTRUCTION DOCUMENTS

GENERAL NOTES

- 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.
- THE ARCHITECT OF RECORD SHALL DESIGN, AND THE GENERAL CONTRACTOR SHALL CONSTRUCT, THE BUILDING TO CONFORM TO THE LEASST RESTRICTIVE AND MOST ECONOMICAL I.B.C. CONSTRUCTION TYPE PERMITTED BY AUTHORITIES HAVING JURISDICTION. FOR NEW-CONSTRUCTION "PROTOTYPICAL" PROJECTS, CONSTRUCTION TYPE V-B IS GENERALLY SUFFICIENT. CONSTRUCTION SHALL CONFORM TO I.B.C. 602.1.1 MINIMUM REQUIREMENTS:  
  
A BUILDING OR PORTION THEREOF SHALL NOT BE REQUIRED TO CONFORM TO THE DETAILS OF A TYPE OF CONSTRUCTION HIGHER THAN THAT TYPE WHICH MEETS THE MINIMUM REQUIREMENTS BASED ON OCCUPANCY EVEN THOUGH CERTAIN FEATURES OF SUCH A BUILDING ACTUALLY CONFORM TO A HIGHER TYPE OF CONSTRUCTION.
- GEN. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S VENDORS REGARDING SCHEDULING AND SEQUENCING OF THE WORK.
- THE CONSTRUCTION NOTES AND DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
- THE DRAWINGS ARE NOT TO BE SCALED. FOR INFORMATION CONCERNING EXISTING CONDITIONS, ETC., VERIFICATION MUST BE DONE IN THE FIELD. LARGE SCALE DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE DRAWINGS.
- 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. G.C. SHALL BE RESPONSIBLE FOR SET-UP AND COORDINATION OF ALL THE UTILITY SERVICES FOR THE PROJECT.
- GENERAL CONTRACTOR SHALL ALSO OBTAIN FINAL SITE ADDRESS.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY VARIANCE OR DISCREPANCY AFFECTING NEW CONSTRUCTION PRIOR TO PROCEEDING WITH WORK.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR SUPPORT OF ALL EQUIPMENT, SHELVING, ACCESSORIES, SIGNAGE, AND OTHER DEVICES REQUIRED.
- ALL PENETRATIONS SHALL RECEIVE CAULKING TO SEAL ANY TYPE OF ENERGY LOSS.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
- UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL SITE CUT & FILL TO ATTAIN FINISH GRADES AS INDICATED ON THESE DRAWINGS. GENERAL CONTRACTOR SHALL INCLUDE THE COST OF ANY TOPSOIL REQUIRED IN ADDITION TO THAT ON SITE, AT THE TIME OF THE PRE-BID MEETING. IN BASE BID.
- GENERAL CONTRACTOR SHALL INCLUDE THE COST OF POWER COMPANY ELECTRICAL TRANSFORMER, PAD, PRIMARY & SECONDARY CONDUITS, AND SECONDARY CABLING IN BASE BID.
- SIGNAGE:
  - GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CODE-REQUIRED EXTERIOR DIRECTIONAL TRAFFIC SIGNAGE.
  - OWNER'S SIGNAGE VENDOR SHALL PROVIDE AND INSTALL ALL NON-CODE-REQUIRED SITE DIRECTIONAL AND EQUIPMENT INSTRUCTIONAL SIGNAGE.
  - UNLESS OTHERWISE DIRECTED BY THE OWNER, GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL BASE WORK FOR SITE MONUMENT AND/OR PYLON SIGN(S), INCLUDING EXCAVATION, CONCRETE FOUNDATION, SIGN BASE VENEER/FINISH AND CAP WHEN REQUIRED, ELECTRICAL ROUGH-IN AND WIRING TO BASE-MOUNTED SIGN JUNCTION BOX, FINISH GRADING AND LANDSCAPING.
  - OWNER'S SIGN CONTRACTOR SHALL PROVIDE AND INSTALL BUILDING EXTERIOR AND SITE BRAND SIGNAGE, AND MAKE FINAL ELECTRICAL CONNECTIONS FROM SIGN JUNCTION BOXES.
  - OWNER'S SIGN VENDOR SHALL PROVIDE AND INSTALL ALL INTERIOR BRAND, ROOM IDENTIFICATION, AND ACCESSIBILITY SIGNAGE. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL BLOCKING AS REQUIRED FOR SIGNAGE SUPPORT AND ELECTRICAL ROUGH-IN AND WIRING TO ALL POWERED SIGNS FOR FINAL CONNECTION BY THE OWNER'S SIGNAGE VENDOR.
- GENERAL CONTRACTOR TO PROVIDE FOUR (4) 30 YARD DUMPSTERS DURING CHASE RETAIL MOVE-IN.
- GENERAL CONTRACTOR SHALL PROVIDE ONE SKILLED LABORER FOR ONE WEEK DURING CHASE RETAIL MOVE-IN (40 HOURS).
- GENERAL CONTRACTOR SHALL PERFORM A TOPOGRAPHIC SURVEY PRIOR TO STARTING CONSTRUCTION AND REPORT ANY DISCREPANCIES IN GRADES AS COMPARED TO EXISTING GRADES INDICATED ON CIVIL DRAWINGS. SUBMIT A COPY OF TOPOGRAPHIC SURVEY TO ARCHITECT AND INDICATE ANY DISCREPANCIES ON SURVEY PRIOR TO COMMENCING EARTHWORK.
- ALL EXTERIOR FLOOR PLAN DIMENSIONS ARE TO EXTERIOR FACE OF FINISH UNLESS OTHERWISE NOTED. ALL INTERIOR FLOOR PLAN DIMENSIONS ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.

ABBREVIATIONS

GENERAL ABBREVIATIONS			
A	ANNEALED	PSF	POUNDS PER SQUARE FOOT
AC	AIR CONDITIONING	PT	PRESSURE TREATED
ACM	ALUMINUM COMPOSITE MATERIAL	PTD	PAINTED
ACT	ACOUSTIC CEILING TILE	QT	QUARRY TILE
AF	ABOVE FINISH FLOOR	R	RADIUS
AHJ	AUTHORITY HAVING JURISDICTION	REBAR	REINFORCING BAR
AHU	AIR HANDLING UNIT	REF	REFERENCE
AL	ALUMINUM	REQD.	REQUIRED
ASPH	ASPHALT	RO	ROUGH OPENING
BMS	BUILDING ENERGY MANAGEMENT SYSTEM	SB	SPLASHBLOCK
CI	CONTROL JOINT	SIM	SIMILAR
CLNG	CEILING	SPEC	SPECIFICATION
CMU	CONCRETE MASONRY UNIT	SS	STAINLESS STEEL
COL	COLUMN	STL	STEEL
CONC	CONCRETE	STOR	STORAGE
CONT	CONTINUOUS	SUSP	SUSPENDED
CPT	CARPET	T	TEMPERED
CT	CERAMIC TILE	TYP	TYPICAL
CL	CENTERLINE	UNO	UNLESS NOTED OTHERWISE
DBL	DOUBLE	VT	VINYL COMPOSITION TILE
DEFS	DIRECT-APPLY EXTERIOR FINISH SYSTEM	VERT	VERTICAL
DF	DRINKING FOUNTAIN	WD	WOOD
DIA	DIAMETER	WP	WATERPROOF
DM	DIMENSION	WRB	WEATHER-RESISTIVE BARRIER
DN	DOWN	WWF	WELDED WIRE FABRIC
DS	DOWNSPOUT		
EA	EACH	CHASE ABBREVIATIONS	
EJ	EXPANSION JOINT	ABCM	ASSISTANT BANKING CENTER MANAGER
ELEC	ELECTRICAL	AHD	AFTER-HOUR DEPOSITORY
ELEV	ELEVATION	ATM, eATM	AUTOMATED TELLER MACHINE
EQ	EQUAL	BCM	BANKING CENTER MANAGER
EXIST	EXISTING	BRG	BULLET-RESISTANT GLASS
FD	FLOOR DRAIN	CAT	CUSTOMER ACCESS TABLE
FE	FIRE EXTINGUISHER	CCS	CUSTOMER CONSULTATION SPACE
FEC	FIRE EXTINGUISHER CABINET	CMS	CASUAL MEETING SPACE
FF	FINISH FLOOR	CPC	CHASE PRIVATE CLIENT
FR	FIRE RATED	CR	CASH RECYCLER
FRP	FIBERGLASS REINFORCED PLASTIC	DAB	DIGITAL ADVICE BAR
GALV	GALVANIZED	DRC	DESIGN REVIEW CALL
GYP BD	GYP SUM BOARD	DRT	DINING ROOM TABLE
HC	HANDICAP	DU, DAU	DRIVE-UP
H.D. GALV.	HOT-DIP GALVANIZED (STEEL)	EBDU	EXPRESS BANKING DRIVE-UP
HDW	HARDWARE	HUB	HOLD-UP BUTTON
HM	HOLLOW METAL	IWS	INDIVIDUAL WORK SPACE
H.O.P.	HIGHEST OPERABLE PART	LAO	LEAD ASSOCIATE OPERATIONS
HT	HEIGHT	LTOS	LEAD TELLER OPERATIONS SPECIALIST
HVAC	HEATING, VENTILATION, AIR CONDITIONING	MTL	MULTI-FUNCTIONAL DEVICE
INSUL	INSULATION	PE	PERSONAL BANKER
JAN, JC	JANITOR, JANITOR'S CLOSET	PCA	PRIVATE CLIENT ADVISOR
JAX	JAM	PCB	PRIVATE CLIENT BANKER
MECH	MECHANICAL	PCIA	PRIVATE CLIENT INVESTMENT ADVISOR
MFR	MANUFACTURER	PCS	PRIVATE CONSULTATION SPACE
MIN	MINIMUM	PTB	POWER TRANSITION BOX
MO	MASONRY OPENING	SDB	SAFE DEPOSIT BOX
MR	MOISTURE RESISTANT	TCC	TABLET CHARGING CABINET
MTL	METAL	TP	TELEPRESENCE
NA	NOT APPLICABLE	VAT	VACUUM AIR TUBE
NIC	NOT IN CONTRACT		
NOM	NOMINAL		
NTS	NOT TO SCALE		
OC	ON CENTER		
OPP	OPPOSITE		
PF	PRE-FABRICATED		

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SIGNED BY:  
  
07/15/2022

PRYOR ROAD &  
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908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS



PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

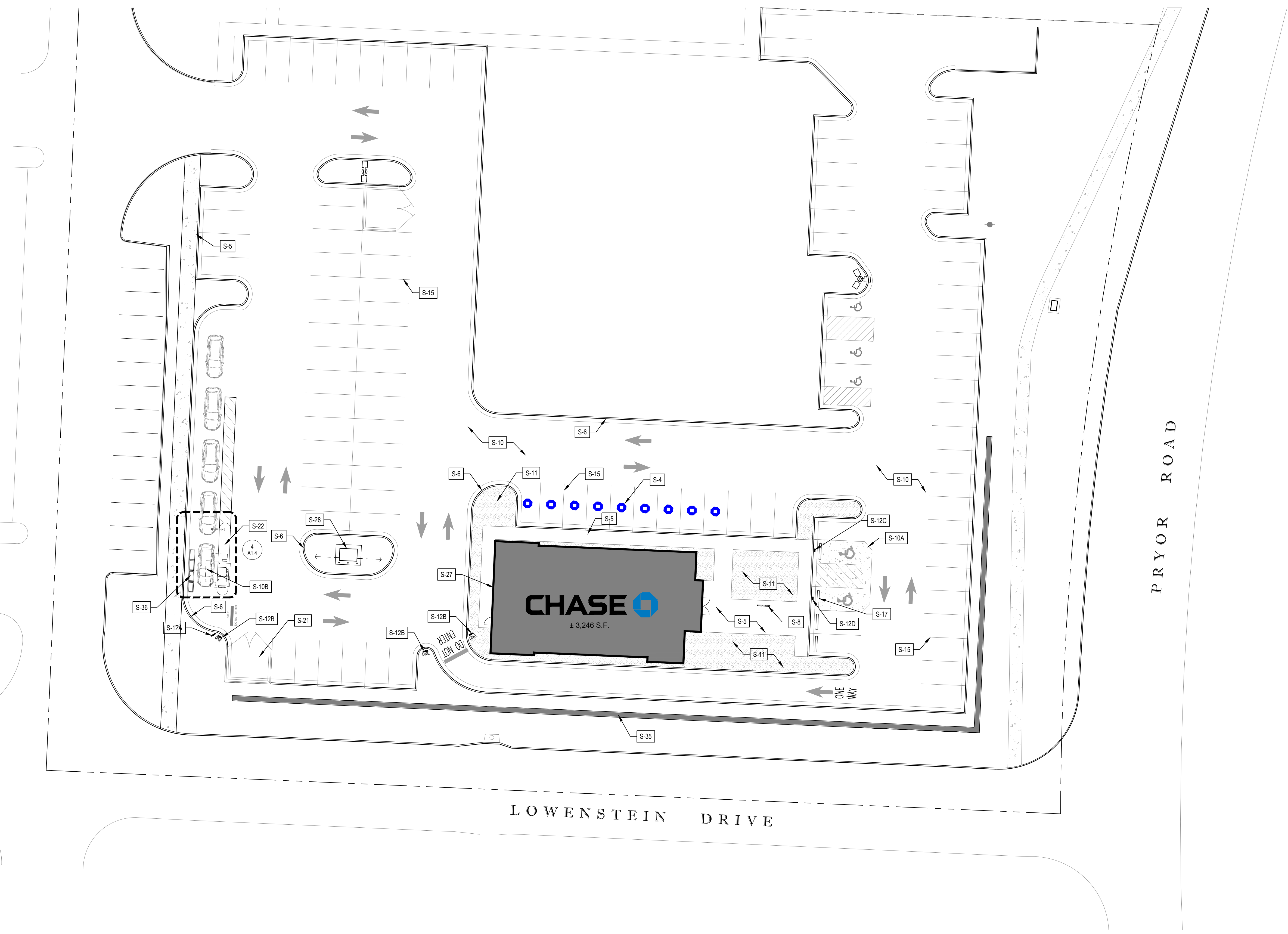
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02/04/2022  
SHEET

A0.1



SITE PLAN NOTES	
S-1	NOT USED
S-2	NOT USED
S-2A	NOT USED
S-3	NOT USED
S-4	DEDICATED CHASE CUSTOMER PARKING (CONFIRM QUANTITY WITH LEASE AGREEMENT)
S-5	EXISTING CONCRETE WALK
S-6	EXISTING CONCRETE CURB
S-7	TRASH CAN
S-8	BICYCLE RACK
S-9	PEDESTRIAN CROSS-WALK: MAINTAIN ACCESSIBLE PATH OF TRAVEL INCLUDING 5% MAX. RUNNING SLOPE AND 2% MAX. CROSS SLOPE
S-10	EXISTING PAVEMENT
S-10A	EXISTING ACCESSIBLE PARKING AND ACCESS AISLE PAVEMENT
S-10B	DRIVE-UP CANOPY / ATM CANOPY DRIVE AISLE PAVING: REINFORCED CONCRETE SLAB- EXTEND TO BYPASS LANE OUTSIDE CURB (NOT BY DEVELOPER)
S-11	EXISTING LANDSCAPING
S-12	REGULATORY SIGNAGE: AS REQUIRED BY LOCAL ORDINANCE AND FURNISHED BY G.C. UNLESS OTHERWISE NOTED: S-12A: STOP S-12B: DO NOT ENTER S-12C: ACCESSIBLE PARKING S-12D: ACCESSIBLE PARKING (VAN)
S-13	DIRECTIONAL SIGNAGE: PROVIDED AND INSTALLED BY OWNER'S SIGNAGE VENDOR (NOT BY DEVELOPER)
S-14	IDENTIFICATION SIGNAGE: PROVIDED AND INSTALLED BY OWNER'S SIGNAGE VENDOR (NOT BY DEVELOPER) S-14A: MONUMENT SIGN: SIZE AND POSITION AS DETERMINED BY MARKET (NOT BY DEVELOPER) S-14B: PYLON SIGN: SIZE AND POSITION AS DETERMINED BY MARKET (NOT BY DEVELOPER)
S-15	EXISTING PAVEMENT STRIPING
S-16	TACTILE WARNING SURFACE: AS REQUIRED BY AUTHORITIES HAVING JURISDICTION, INSTALLED IN CONFIGURATIONS AS GENERALLY INDICATED IN THE SITE PLAN AND FABRICATED OF THE MATERIALS AS INDICATED IN THE PROJECT MANUAL SPECIFICATIONS AND PEDESTRIAN CIRCULATION DESIGNER NOTES
S-17	WHEEL STOP: RECYCLED RUBBER w/ WHITE POLYGONS, MODEL HRF-PWS38 AS MFRD. BY RUBBERFORM OR EQ. PROVIDE WHERE INDICATED ON PLAN AND AT ALL PARKING SPACES NOSING-INTO PEDESTRIAN WALKS NARROWER THAN 5'-0".
S-18	NOT USED
S-19	DOWNSPOUT: CONNECT AT GRADE THROUGH CAST IRON HUB TO UNDERGROUND STORMATER MANAGEMENT SYSTEM
S-20	NOT USED
S-21	EXISTING TRASH ENCLOSURE
S-22	CURB AND CONDUITS BY DEVELOPER ONLY
S-23	DOWNSPOUT NOZZLE OR CANOPY DOWNSPOUT: SPLASH DIRECT TO SPLASH BLOCK OR CONCRETE SLAB
S-24	ON-GRADE SPLASH BLOCK: MANUFACTURED STONE VENEER REMNANTS SET FLUSH WITH GRADE AT ALL STORMWATER DOWNSPOUT NOZZLES AND MECHANICAL PLUMBING OR FIRE PREVENTION SYSTEM DRAINS, HOSE BIBS, ETC. WHERE EROSION MAY OTHERWISE OCCUR
S-25	STORMWATER DRAINAGE SYSTEM: REFER TO CIVIL ENGINEERING DRAWINGS
S-26	LIGHT FIXTURE: REFER TO LIGHT FIXTURE SCHEDULE
S-27	UTILITIES: REFER TO DEVELOPER / EXISTING ENGINEERING DRAWINGS: CONCEAL ALL SERVICES BELOW GRADE: GAS METER, WATER METER, REMOTE-READ, ELECTRICAL CT CABINET, EMERGENCY ELECTRICAL TRANSFER SWITCH, FIRE SPRINKLER TEST VALVE AND TELEPHONE
S-28	EXISTING POWER TRANSFORMER
S-29	ACCESSIBLE ENTRANCE DIRECTIONAL SIGNAGE: AT PROJECTS WITH MULTIPLE ENTRANCES WHERE ALL ARE NOT ACCESSIBILITY COMPLIANT, PROVIDE ACCESSIBILITY-COMPLIANT DIRECTINAL SIGNAGE DIRECTING PEDESTRIANS TO THE ACCESSIBLE ENTRANCE (NONE INDICATED ON SAMPLE SITE PLAN)
S-30	MAIL BOX: PROVIDED ONLY WHERE REQUIRED BY LOCAL U.S.P.S. OFFICE: SALSBUURY INDUSTRIES #4360SLV SALSBUURY MAIL CHEST WITH PEDESTAL #4365SLV SET IN CAST-IN-PLACE CONCRETE POST BASE AS REQUIRED CONCEALED BELOW LANDSCAPING, OR #4365SLV SURFACE-BOLTED TO EXISTING CONCRETE SLAB
S-31	LANDSCAPE IRRIGATION CONTROL EQUIPMENT
S-32	ACCESSIBILITY CLEARANCE AREA- SURFACE NOT TO EXCEED 2% SLOPE IN ANY DIRECTION
S-33	AUTOMATIC DOOR OPERATOR PUSH BUTTON(S) AND 24-HOUR ACCESS CARD READER
S-34	FLUSH THRESHOLD COMPLIANT WITH ADA ACCESSIBLE PATH OF TRAVEL REQUIREMENTS
S-35	RETAINING WALL, BY OTHERS
S-36	ATM SECURITY BARRIER: VERIFY REQUIREMENT WITH A0&E DESIGN PROJECT MANAGER - REFER TO DETAILS 7-9/A0.3



1  
A0.2

ARCHITECTURAL SITE PLAN

1" = 20'

NORTH

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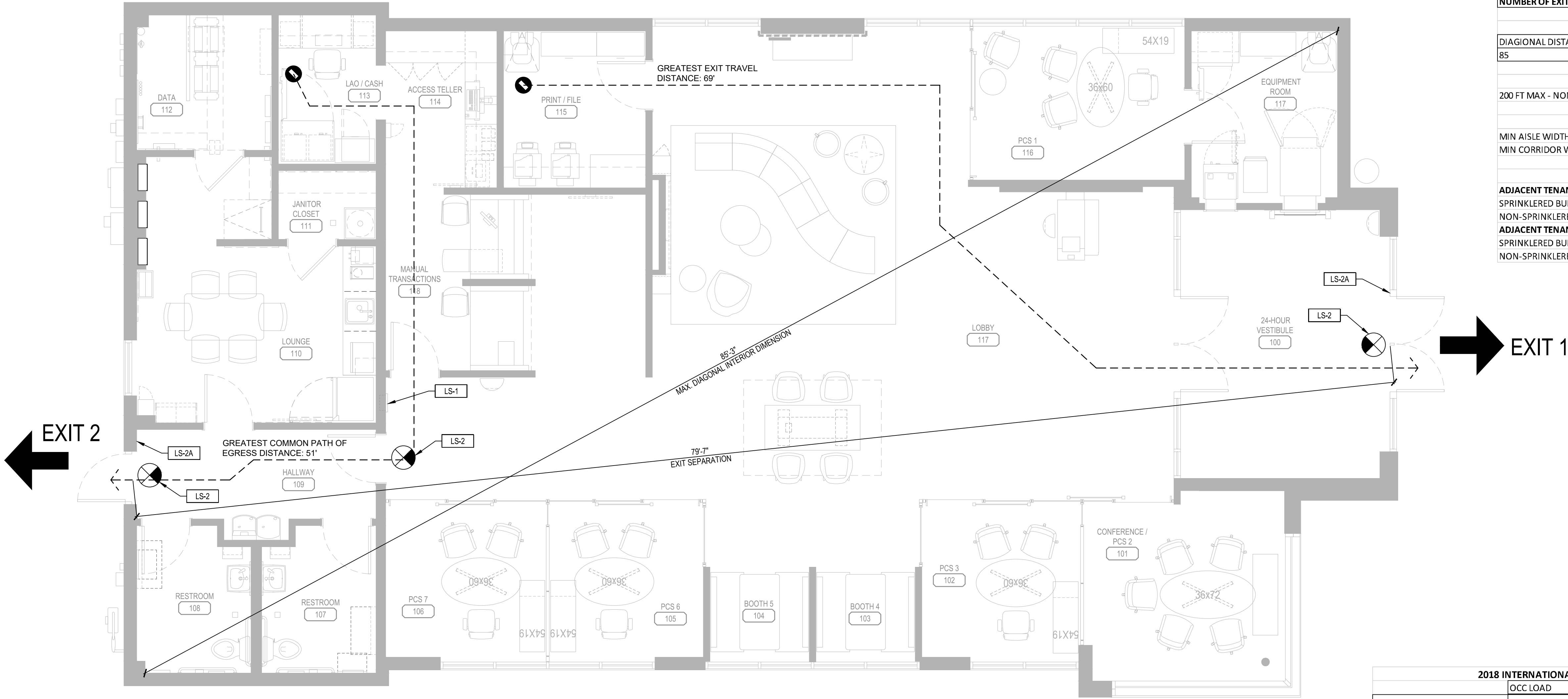
ARCHITECTURAL SITE PLAN

02/04/2022  
SHEET

A0.2



PLAN NOTES	
LS-1	FIRE EXTINGUISHER CABINET- PREFERRED LOCATION IN REAR CORRIDOR. MEET CODE REQUIREMENTS. DO NOT LOCATE IN 24-HOUR VESTIBULE.
LS-1A	FIRE EXTINGUISHER
LS-2	EXIT SIGN- REFER TO LIGHT FIXTURE SCHEDULE
LS-2A	TACTILE EXIT SIGNS- ADHESIVE PLASTIC PLACARD COMPLYING WITH ADA 703 AT EACH EXIT DISCHARGE (IBC 1011.3)



1  
A0.2.1

LIFE SAFETY COMPLIANCE PLAN

1/4" = 1'-0"



CHASE BANK - PRYOR RD and LOWENSTEIN DR

PROJECT NAME	Pryor Rd and Lowenstein Dr
CITY	Lee's Summit
STATE	MO
BUILDING CODE	2018 International Building Code
PLUMBING CODE	2018 International Plumbing Code
MECHANICAL CODE	2018 International Mechanical Code
ELECTRICAL CODE	2017 National Electrical Code
ENERGY CODE	2018 International Energy Code
FUEL CODE	2018 International Fuel Gas Code
ACCESSIBILITY CODE	ICC/ANSI A117.1-2009
LEASED SF	3,246
OCCUPANCY CLASSIFICATION	B - BUSINESS
CONSTRUCTION TYPE	V-B
SPRINKLERED (YES/NO)	No
FIRE ALARMS (YES/NO)	

OCCUPANT LOAD SCHEDULE (TABLE 1004.5)			
ROOM NAME	AREA (SF)	LOAD FACTOR	OCCUPANT LOAD
LOBBY/OFFICES	3246	150	22
RESTROOMS		0	0
STORAGE/MECHANICAL/JAN		300	0
CIRCULATION AREAS		200	0
UNOCCUPIABLE AREAS		0	0
Total Gross SF	3246		22

EGRESS WIDTH (SECTION 1005.3.2)		
OCCUPANT LOAD	FACTOR	WIDTH REQ'D (INCHES)
22	0.2	4.40

EXIT	WIDTH	MAX CAPACITY	REQUIRED CAPACITY
MAIN EXIT WIDTH	68	13.60	2.2
EXIT #2 WIDTH	34	6.80	

NUMBER OF EXITS REQUIRED (SECTION 1006.2.1.1)	
NUMBER OF EXITS REQUIRED	2

EXIT SEPARATION (SECTION 1007.1.1)			
DIAGONAL DISTANCE OF SPACE	FACTOR	REQUIRED SEPARATION	ACTUAL SEPARATION
85	1/2	42.5 FT	79'-7"

EXIT TRAVEL DISTANCE IN FEET (SECTION 1017.2)	
200 FT MAX - NON-SPRINKLERED	

CORRIDORS AND AISLE WIDTH (SECTION 1020.2)		
MIN AISLE WIDTH 42"		
MIN CORRIDOR WIDTH 44"	CORRIDOR RATING	1 HR

DEMISING WALL RATING (TABLE 508.4)	
ADJACENT TENANT MERCANTILE	
SPRINKLERED BUILDING	1 HR
NON-SPRINKLERED	2 HR
ADJACENT TENANT ASSEMBLY	
SPRINKLERED BUILDING	1 HR
NON-SPRINKLERED	2 HR

EXIT 1

EXIT 2

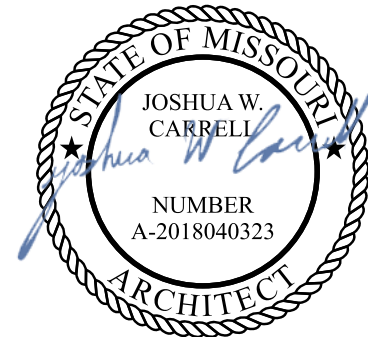
2018 INTERNATIONAL PLUMBING CODE: TABLE 403

	OCC LOAD	FACTOR	# OF FIXTURES REQUIRED	# OF FIXTURES PROVIDED
LAVATORY WOMENS	11	40 OR LESS = 1 41-80 = 2 81-120 = 3 121-160 = 4	1	1
WATER CLOSETS WOMENS	11	25 OR LESS = 1 26-50 = 2 51-100 = 3 101-150 = 4	1	1
LAVATORY MENS	11	40 OR LESS = 1 41-80 = 2 81-120 = 3 121-160 = 4	1	1
WATER CLOSETS MENS	11	25 OR LESS = 1 26-50 = 2 51-100 = 3 101-150 = 4	1	1
URINALS	11	100 OR LESS = 1 101-200 = 2 201-400 = 3	1	0
DRINKING FOUNTAINS	22		100	1 Hi/Lo
MOP SINK				1

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PRYOR ROAD &  
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908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

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CHASE

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

CONTENTS

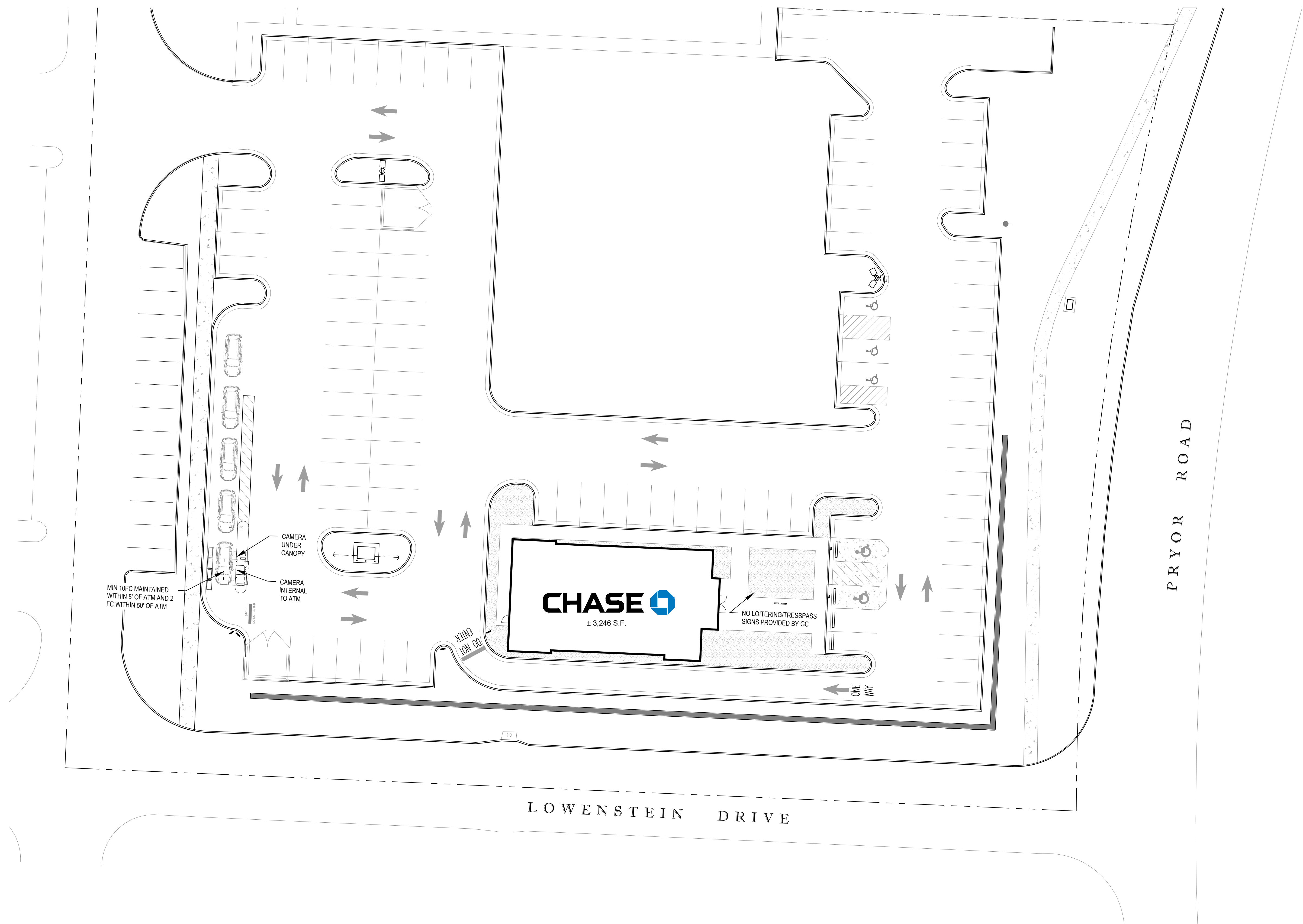
LIFE SAFETY COMPLIANCE PLAN

02/04/2022

SHEET

A0.2.1






1 CPTD SITE PLAN  
A0.2 1" = 20'

NORTH

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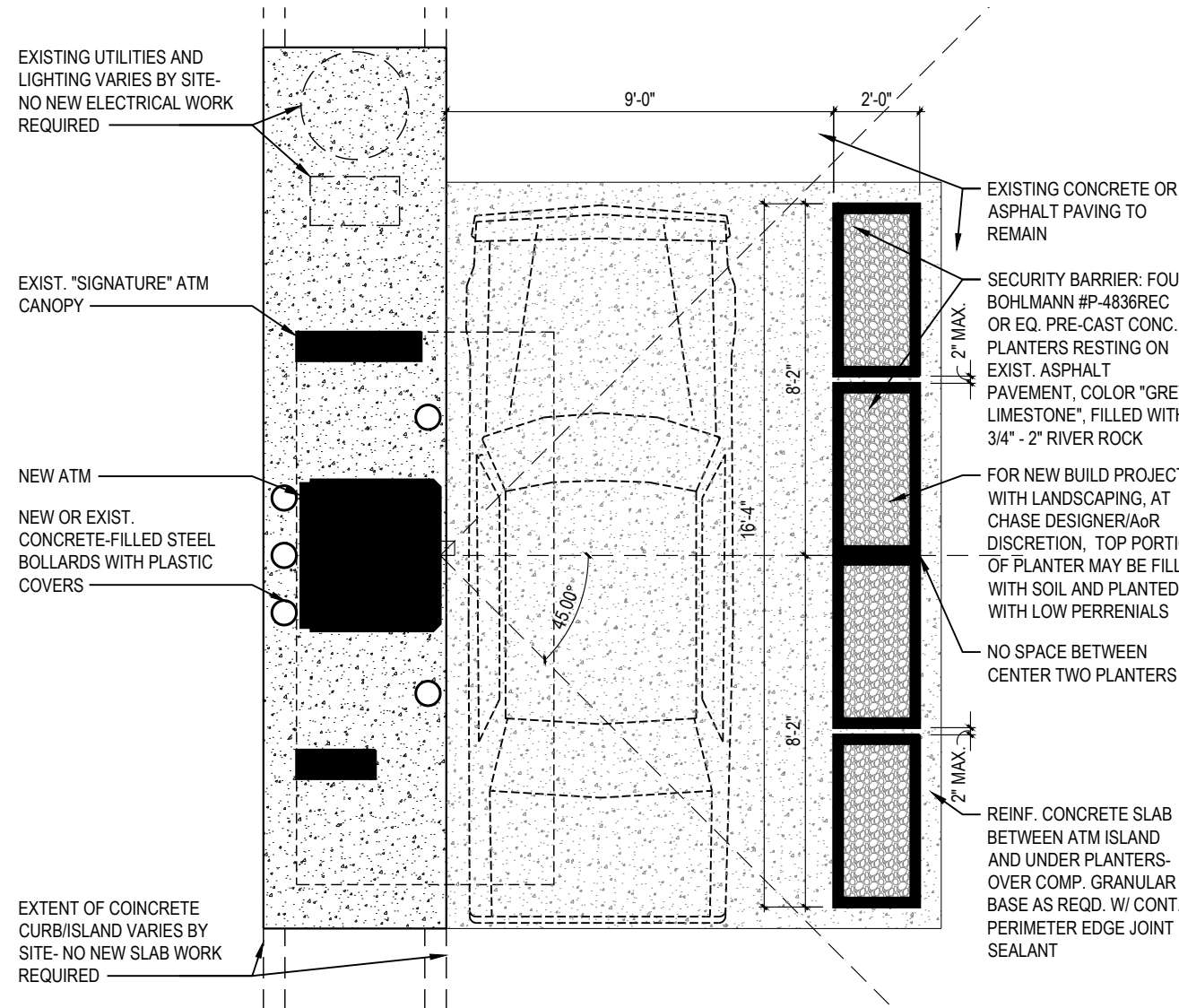
CONTENTS

CPTD SITE PLAN

02/04/2022  
SHEET

**A0.2.2**





ATM SECURITY BARRIER-  
PRE-FAB. PLANTER OPTION

9

A0.3

1/4" = 1'-0"

8 (NOT USED)

A0.3

7 (NOT USED)

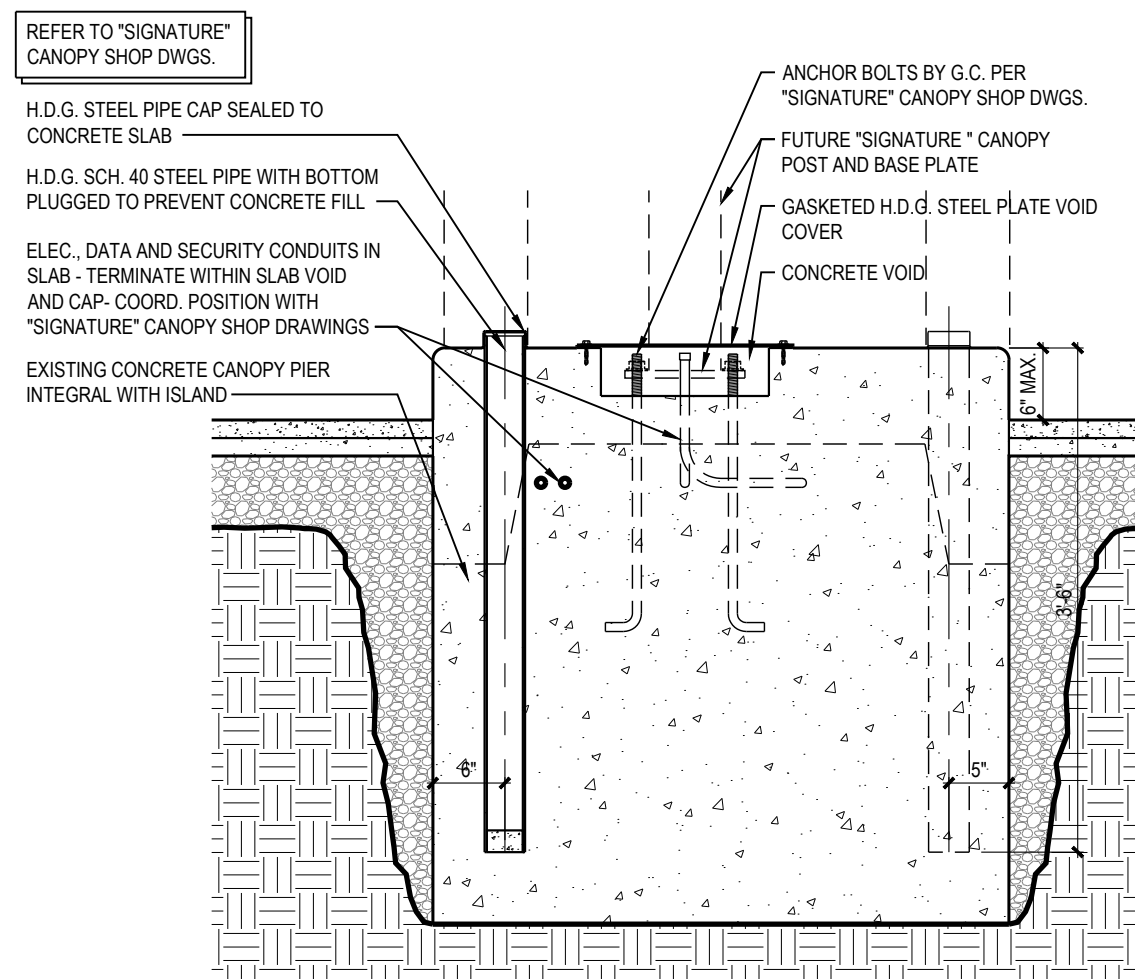
A0.3

6 (NOT USED)

A0.3

3 (NOT USED)

A0.3

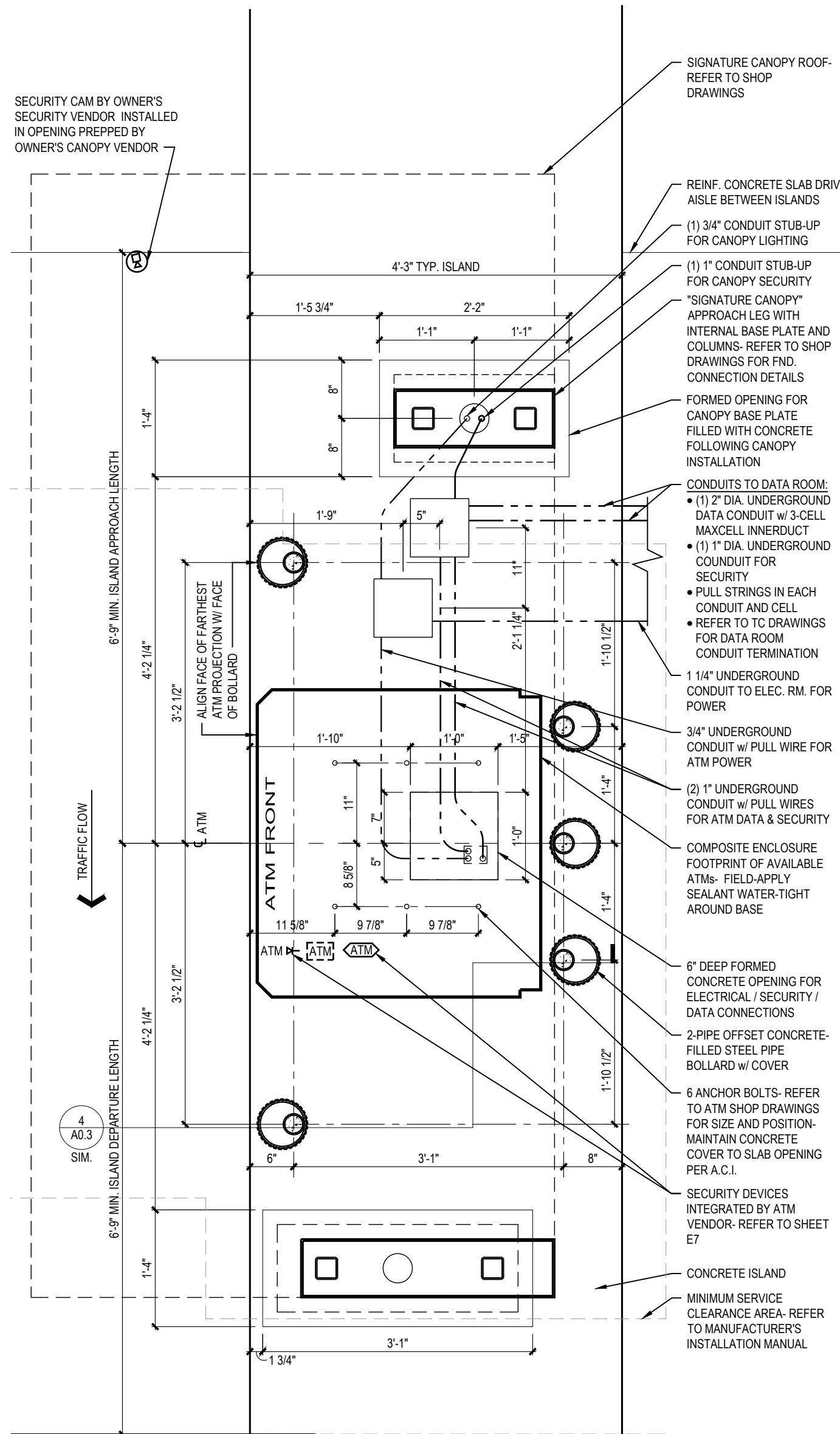


DRIVE-UP ISLAND SECTION-  
FUTURE ATM

5

A0.3

1/2" = 1'-0"

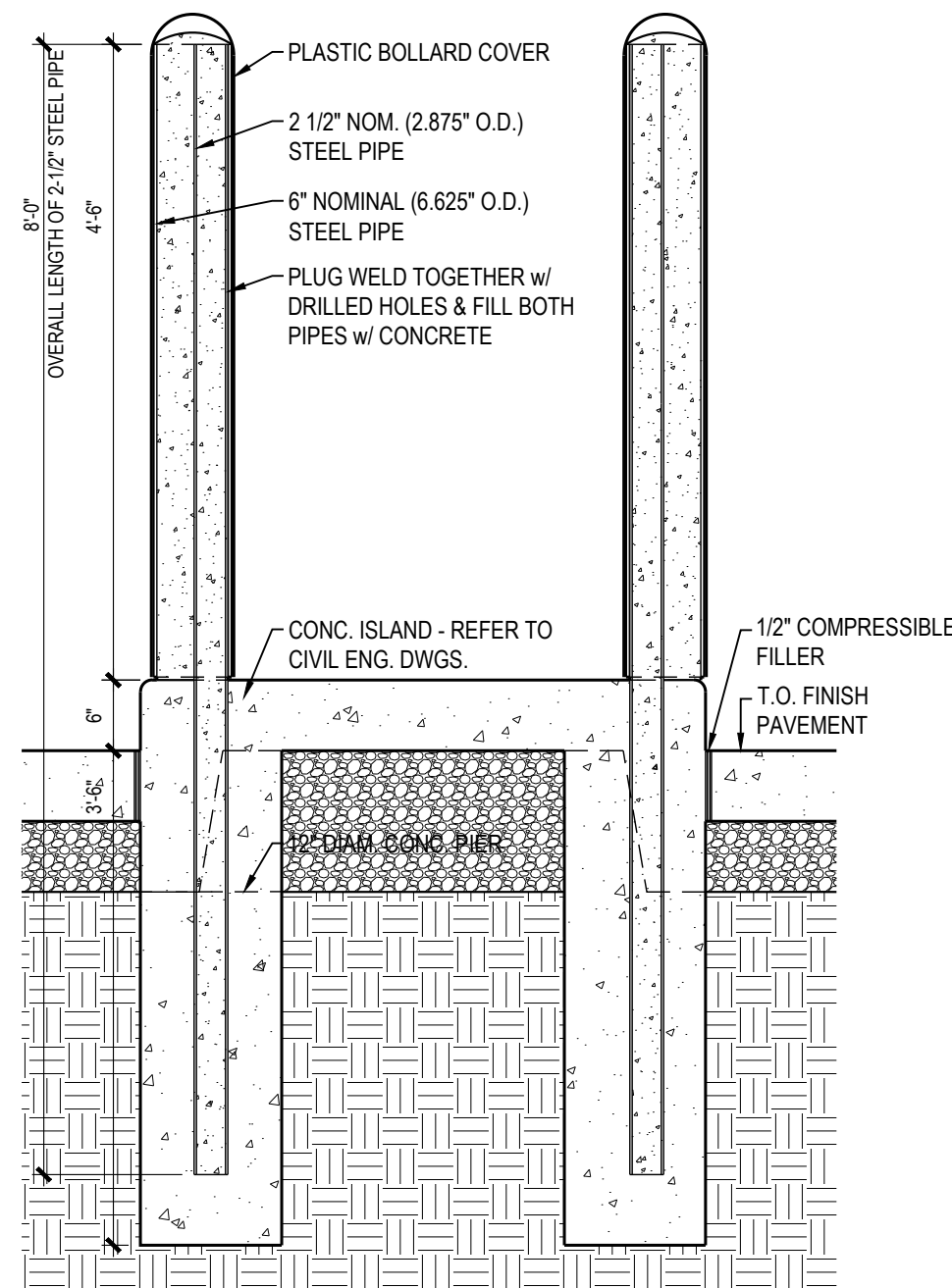


DRIVE-UP ISLAND PLAN-  
"SIGNATURE" CANOPY

2

A0.3

3/4" = 1'-0"



DRIVE-UP ISLAND  
ATM BOLLARD

4

A0.3

3/4" = 1'-0"

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PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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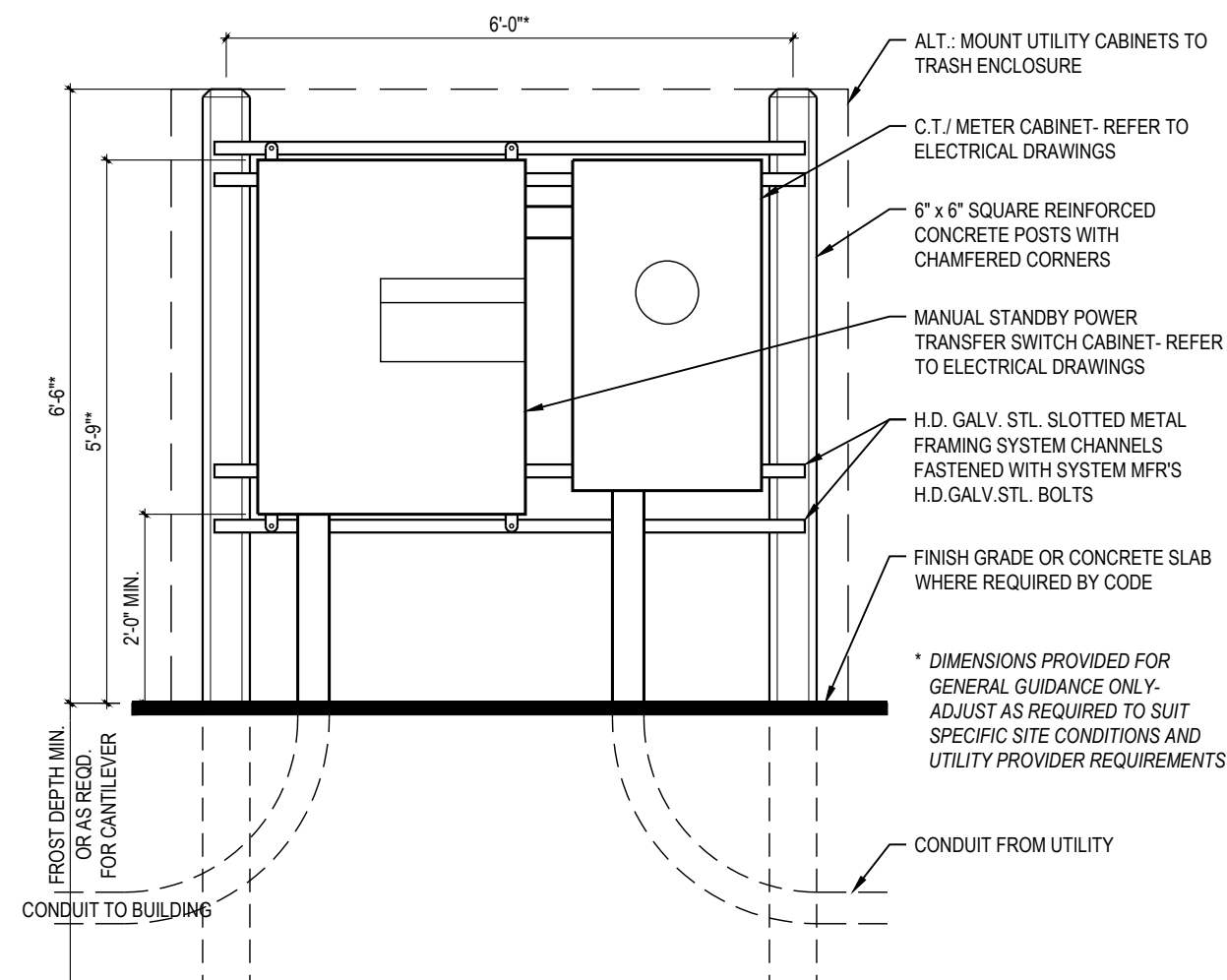
DRIVE-UP ISLAND AND CANOPY

02/04/2022

SHEET

A0.3

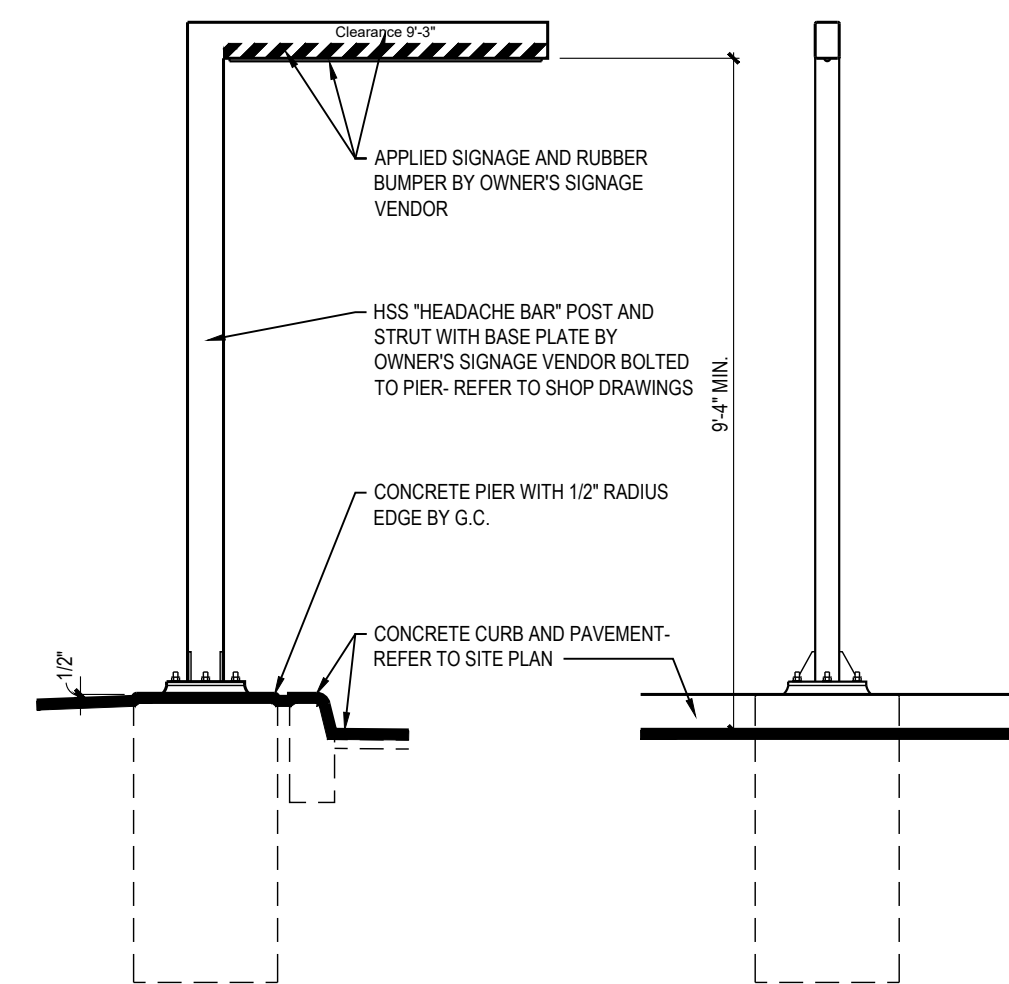




12  
A0.4

REMOTE UTILITY MOUNT

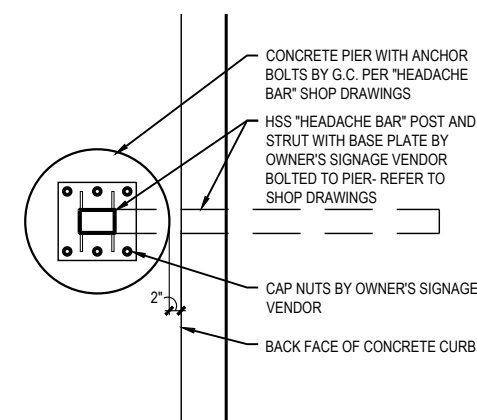
1/2" = 1'-0"



11  
A0.4

DETACHED DRIVE-UP HEADACHE BAR ELEVATIONS

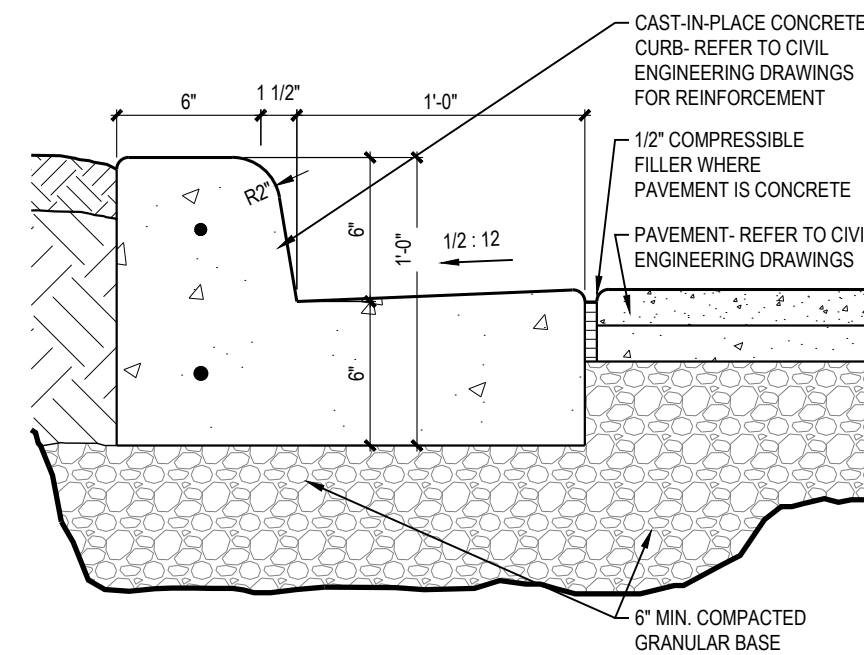
3/8" = 1'-0"



10  
A0.4

DETACHED DRIVE-UP HEADACHE BAR PLAN

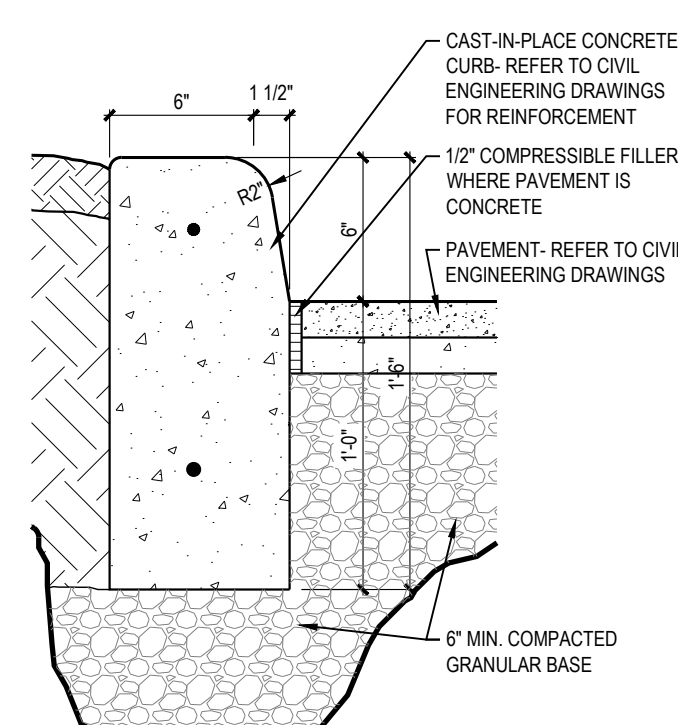
3/4" = 1'-0"



9  
A0.4

B-CURB WITH GUTTER

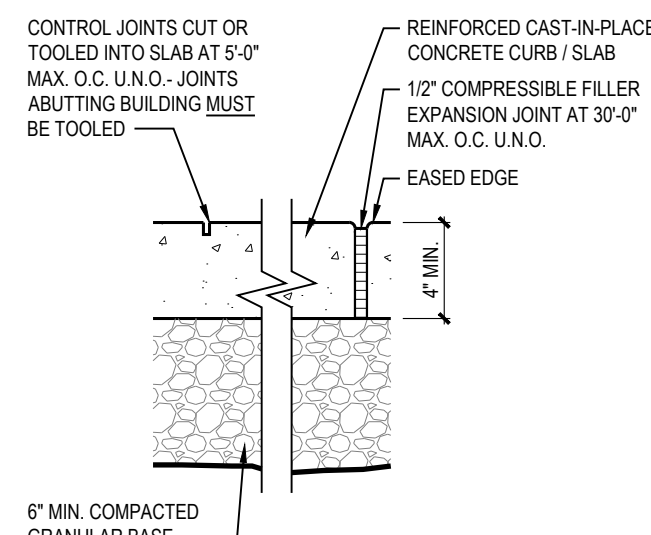
3/4" = 1'-0"



8  
A0.4

BARRIER CURB

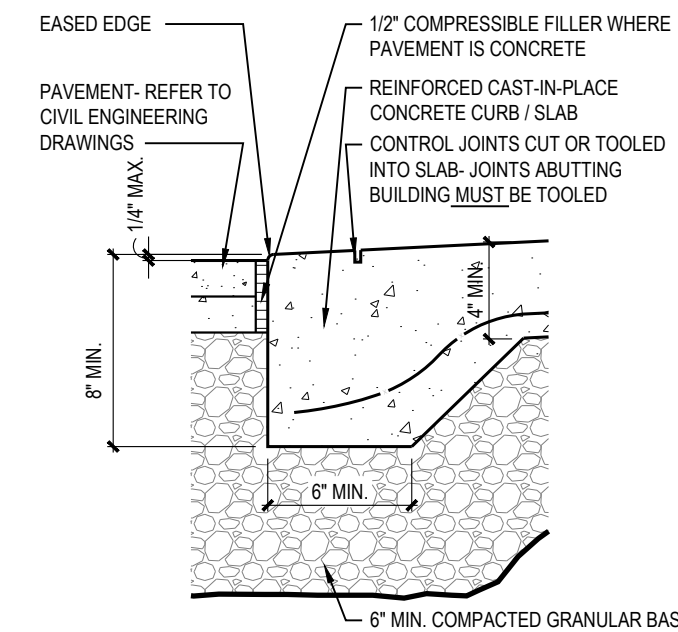
3/4" = 1'-0"



7  
A0.4

PEDESTRIAN WALK EXPANSION JOINT

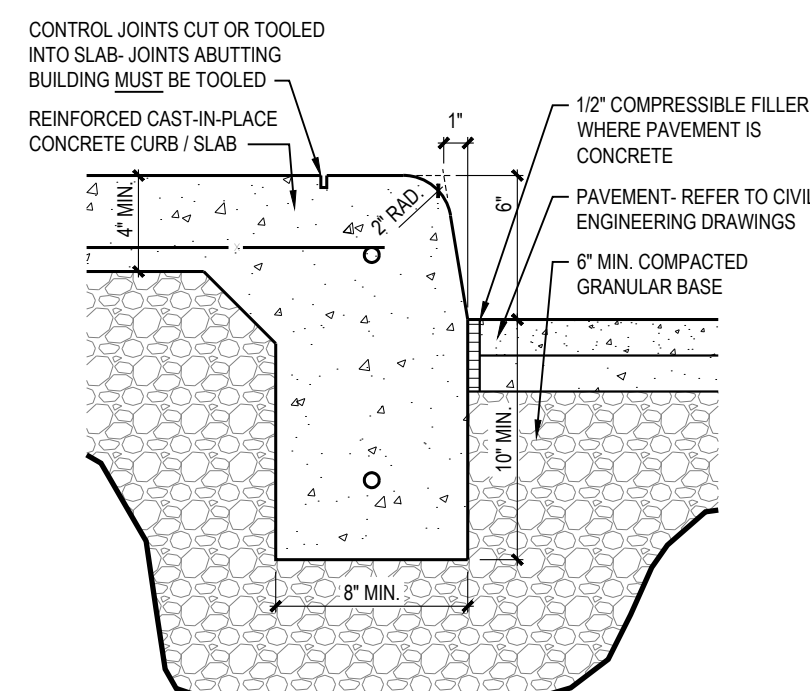
1 1/2" = 1'-0"



6  
A0.4

FLUSH CURB

1 1/2" = 1'-0"



5  
A0.4

PEDESTRIAN WALK CURB

1 1/2" = 1'-0"

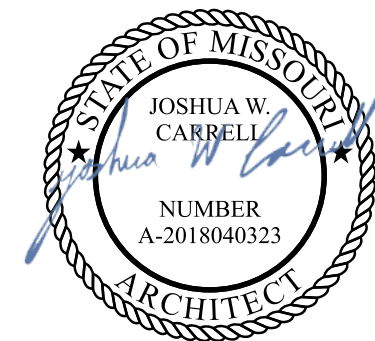
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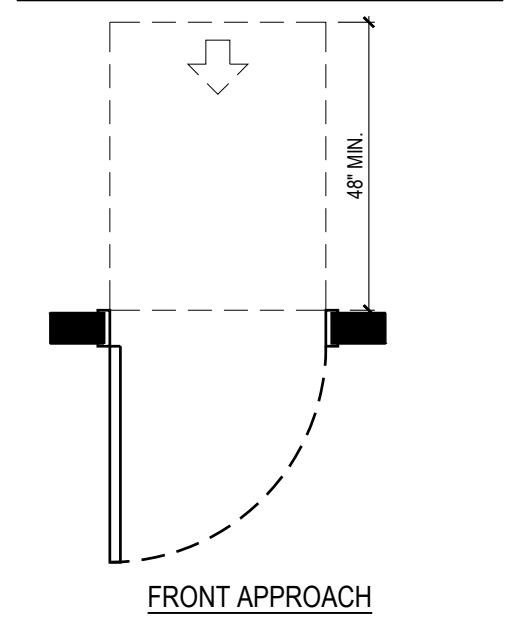
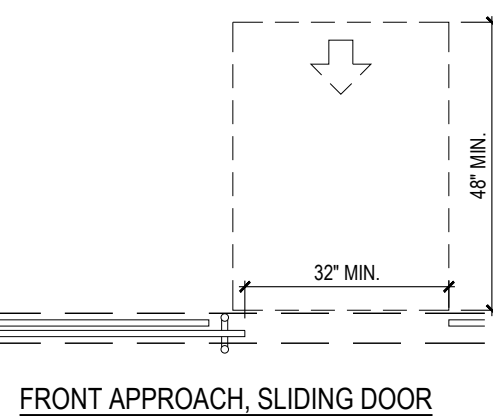
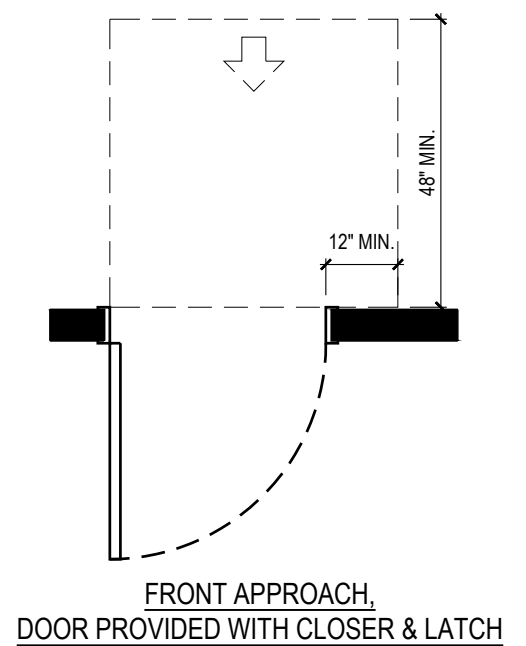
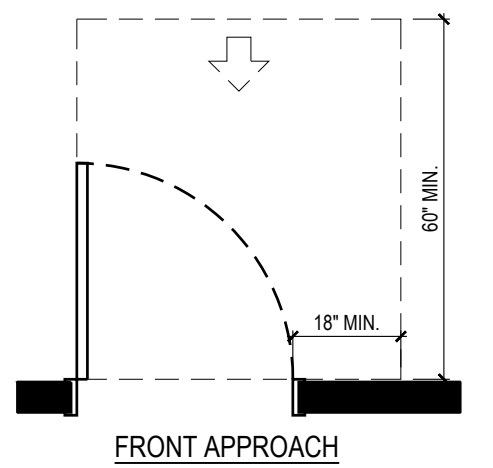
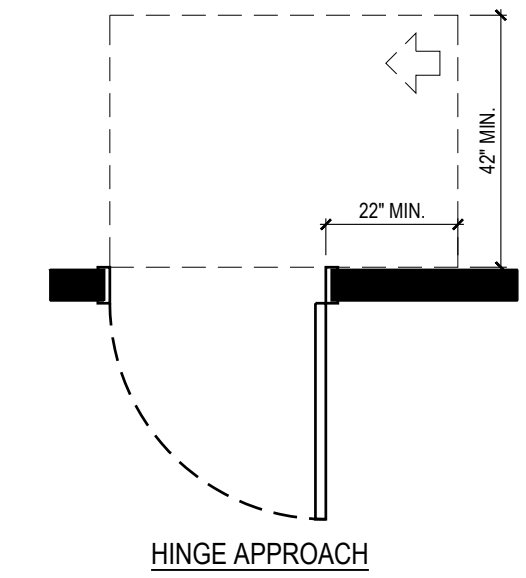
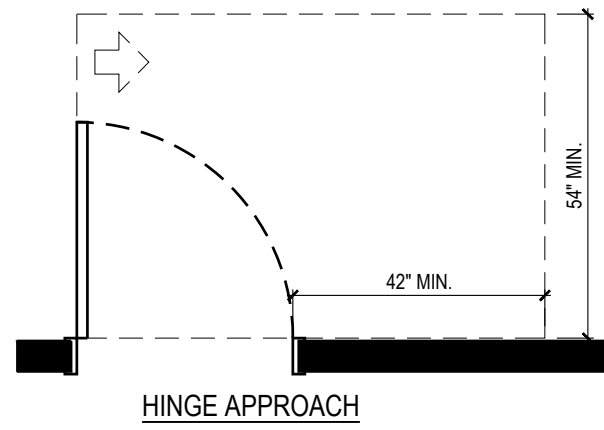
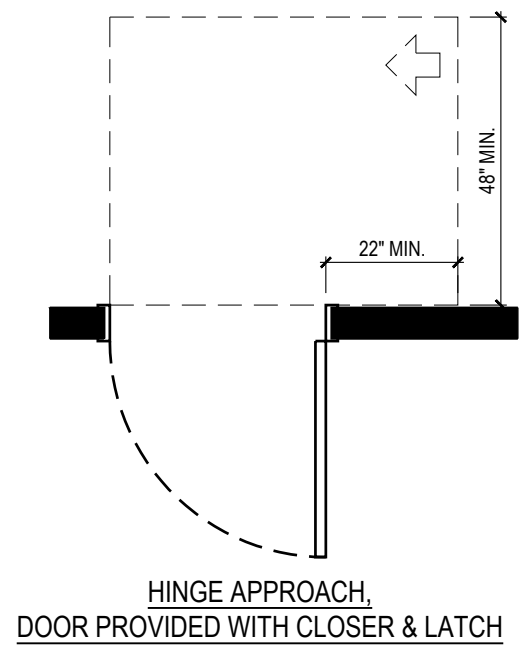
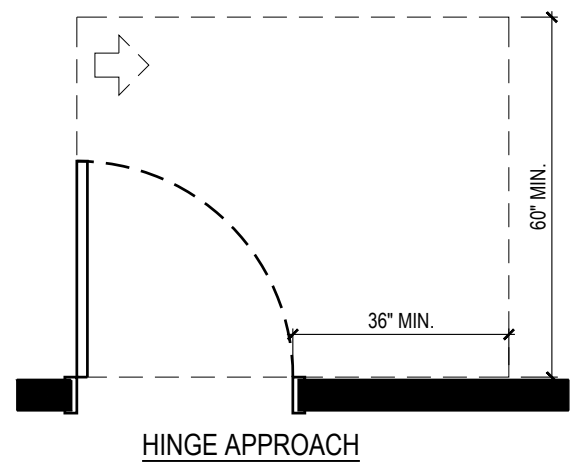
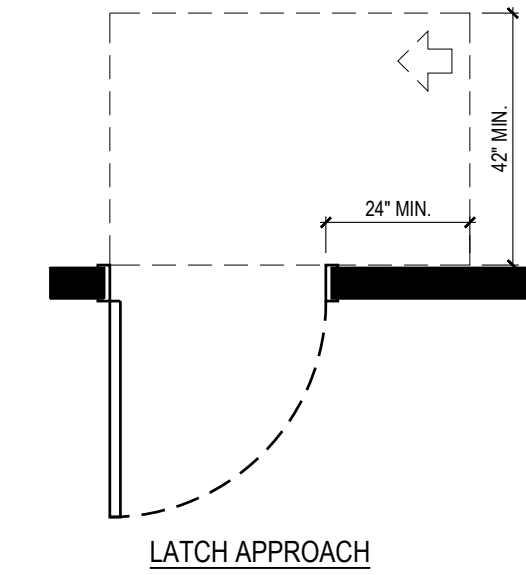
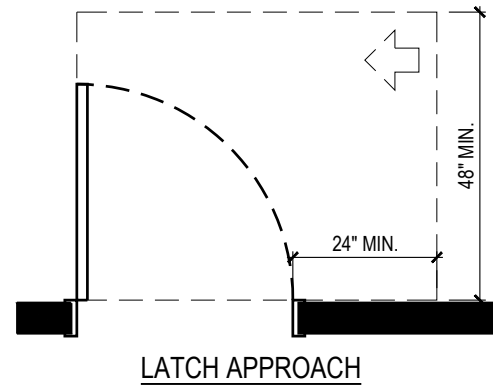
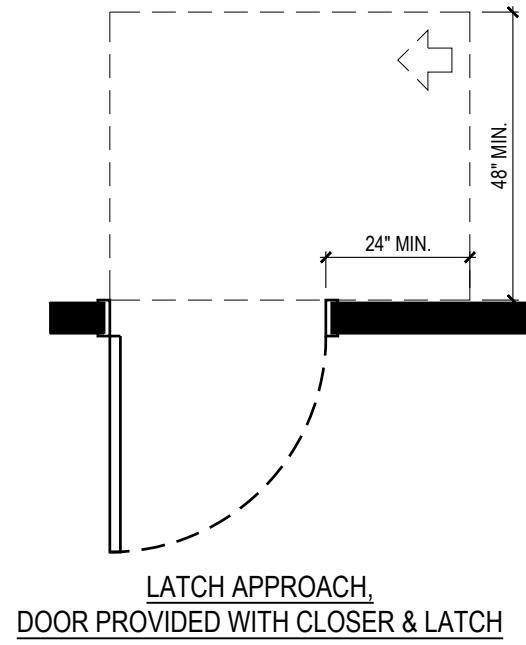
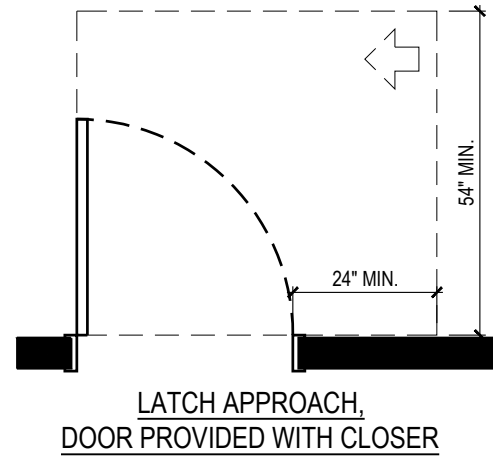
TRASH ENCLOSURE DETAILS  
SITE PAVING DETAILS  
HEADACHE BAR

02/04/2022

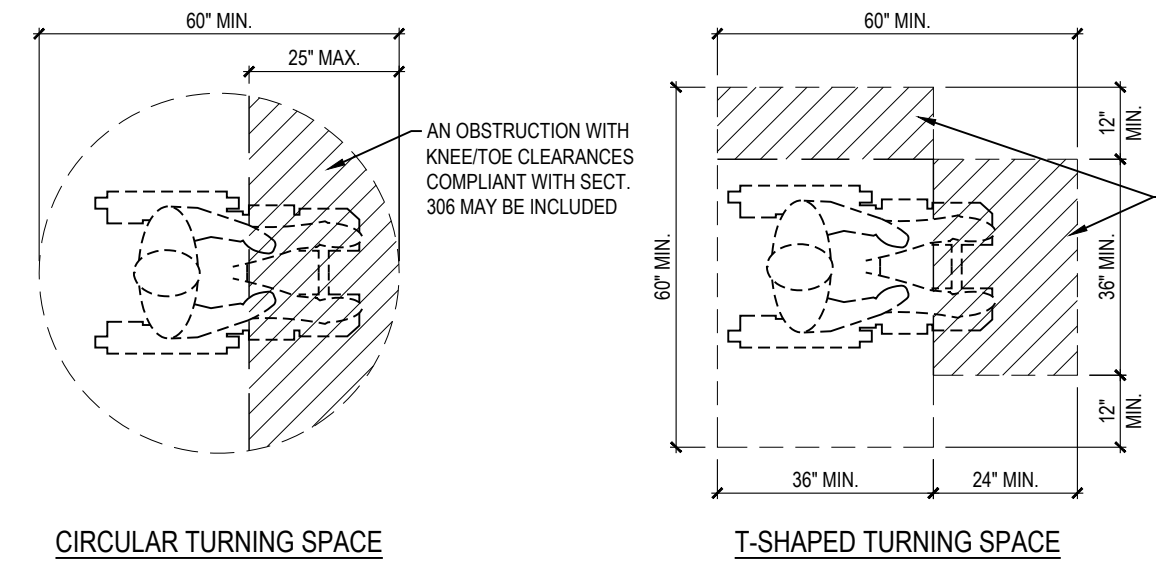
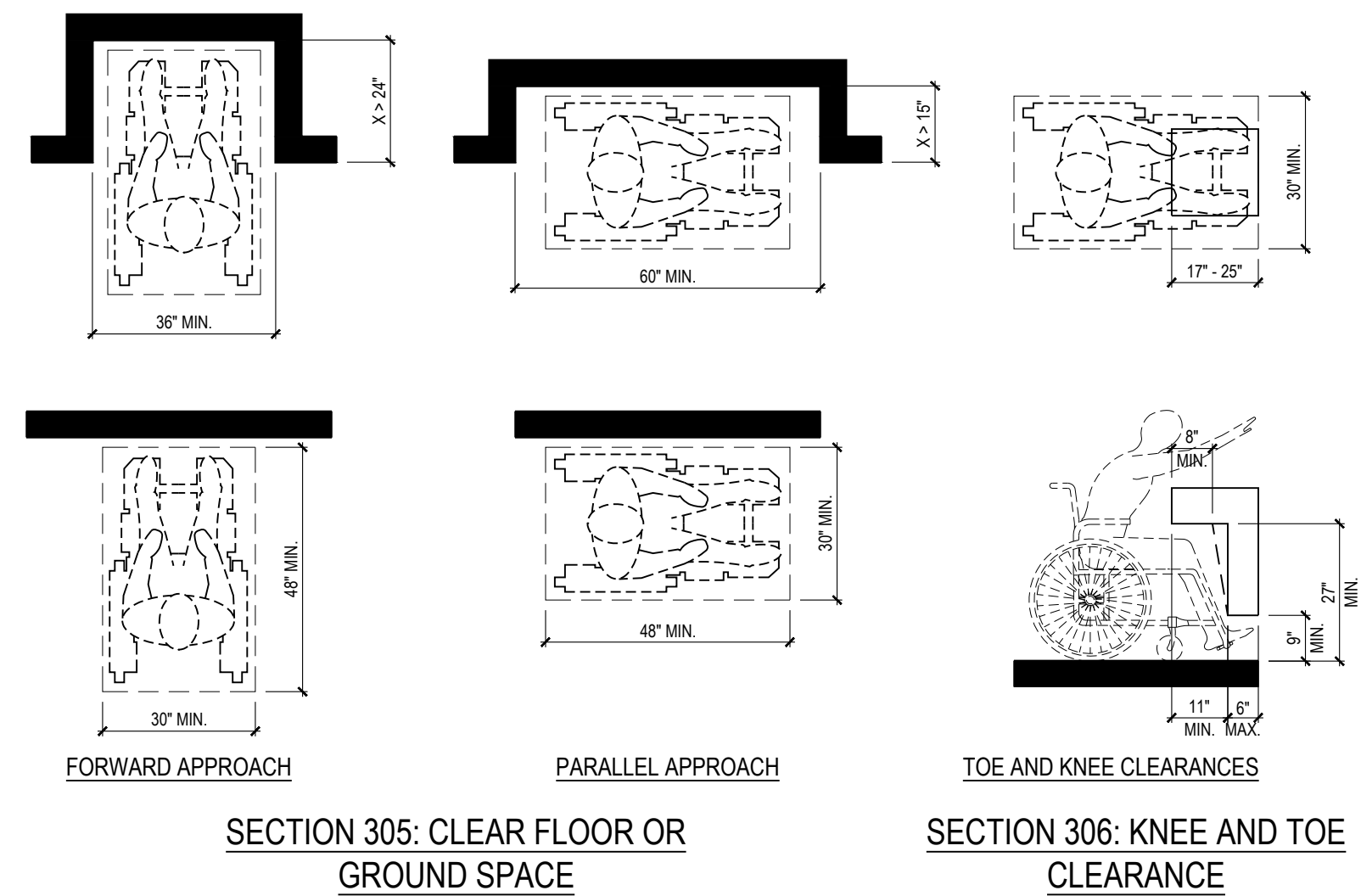
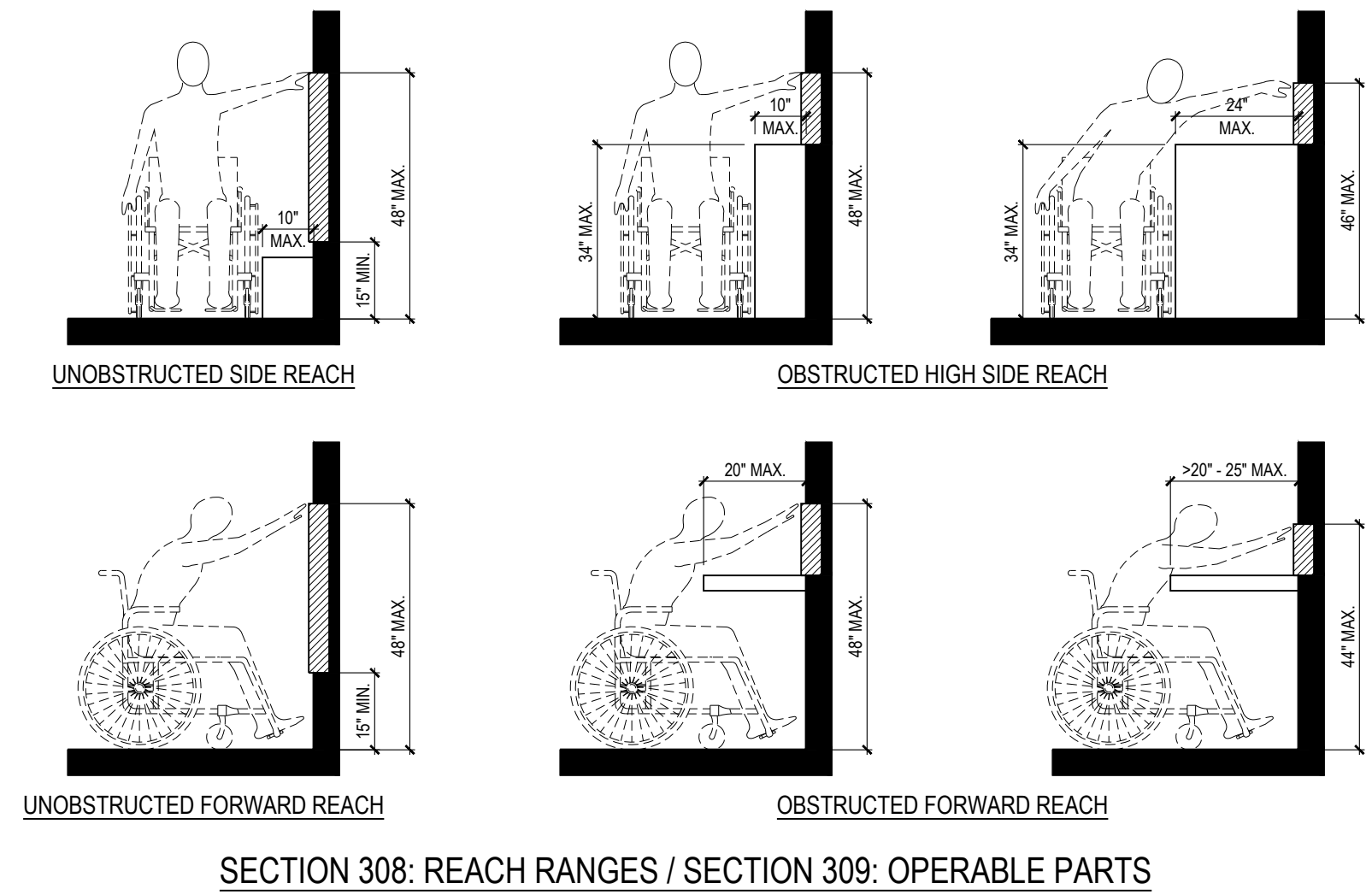
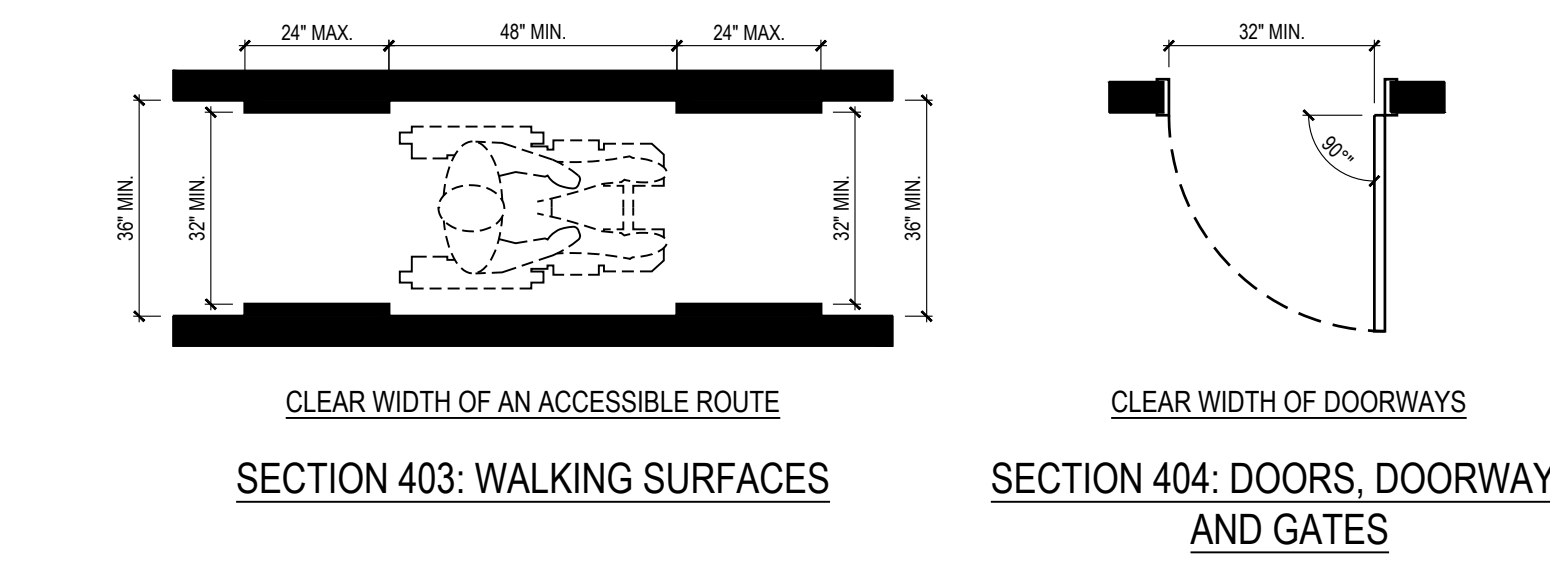
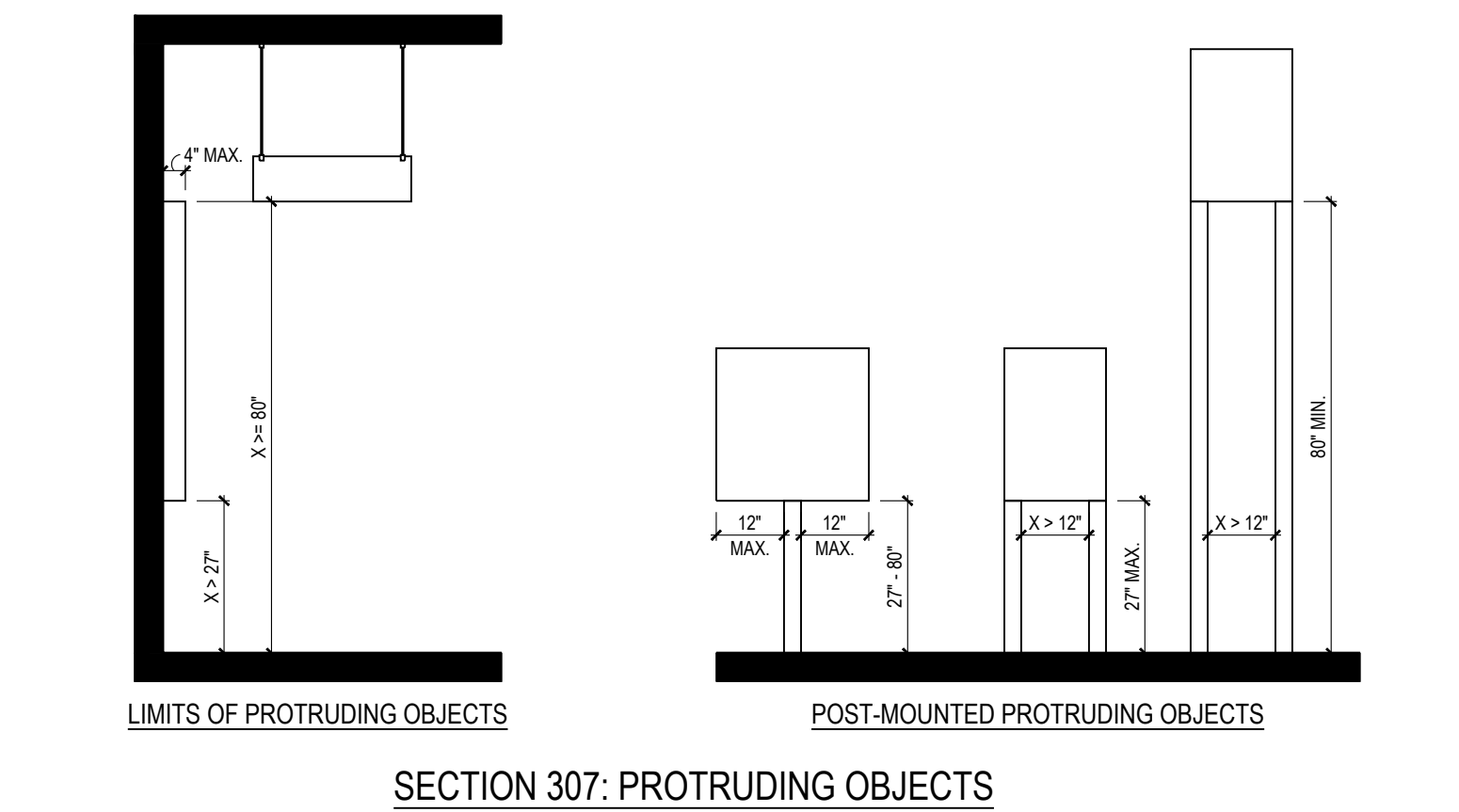
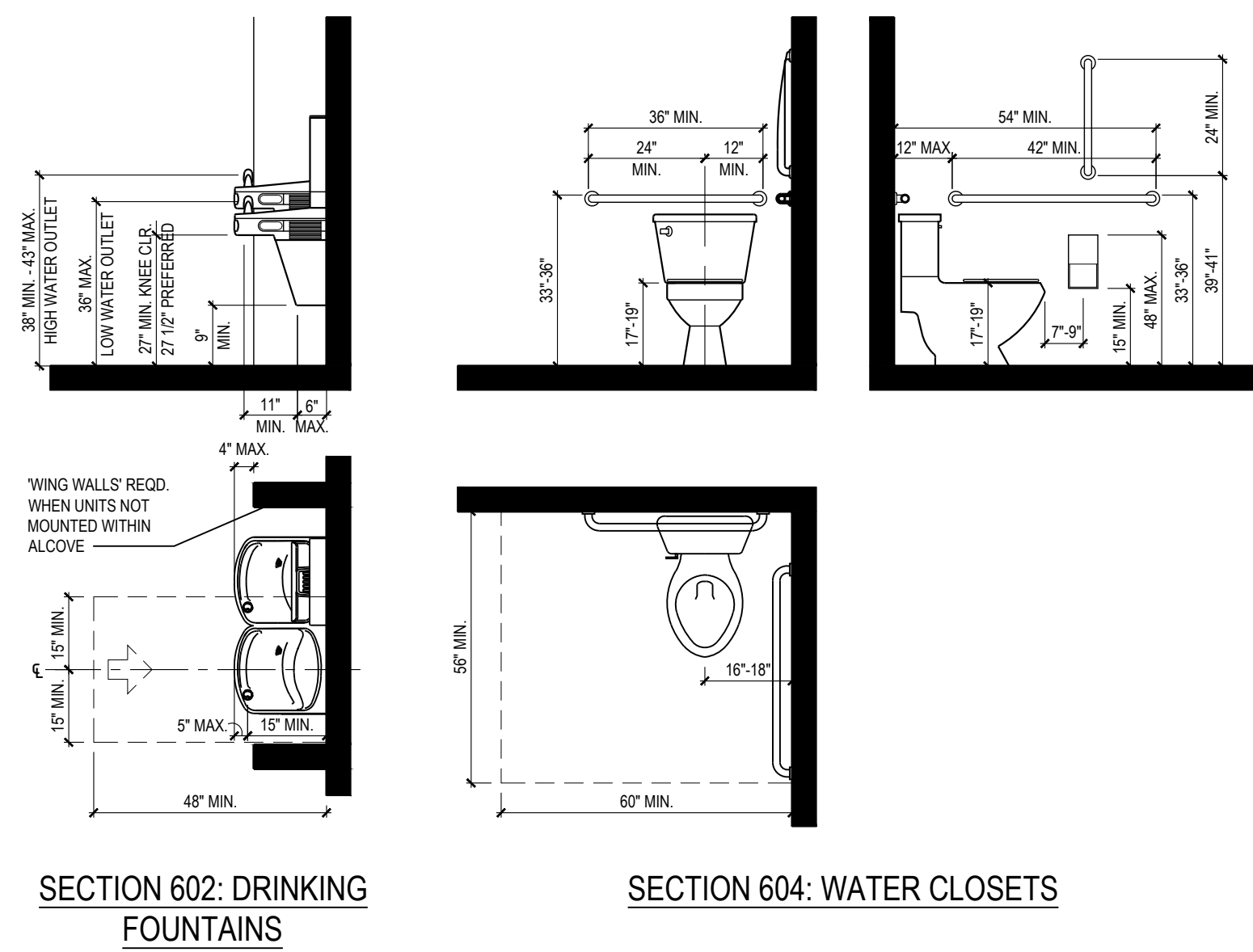
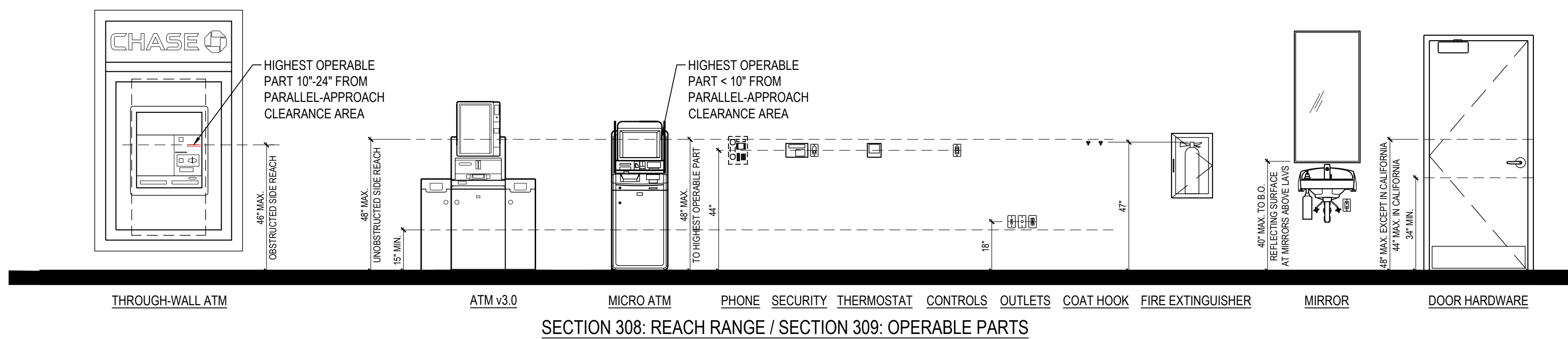
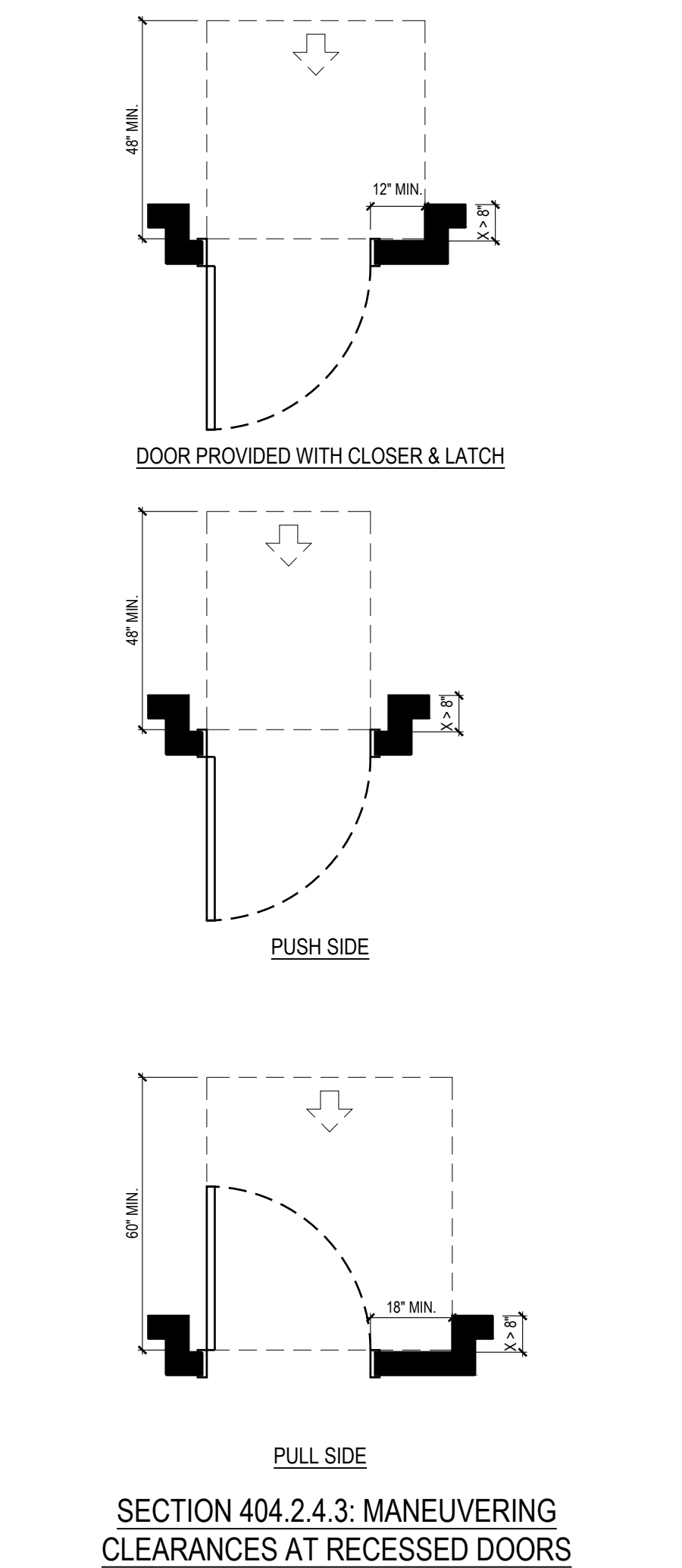
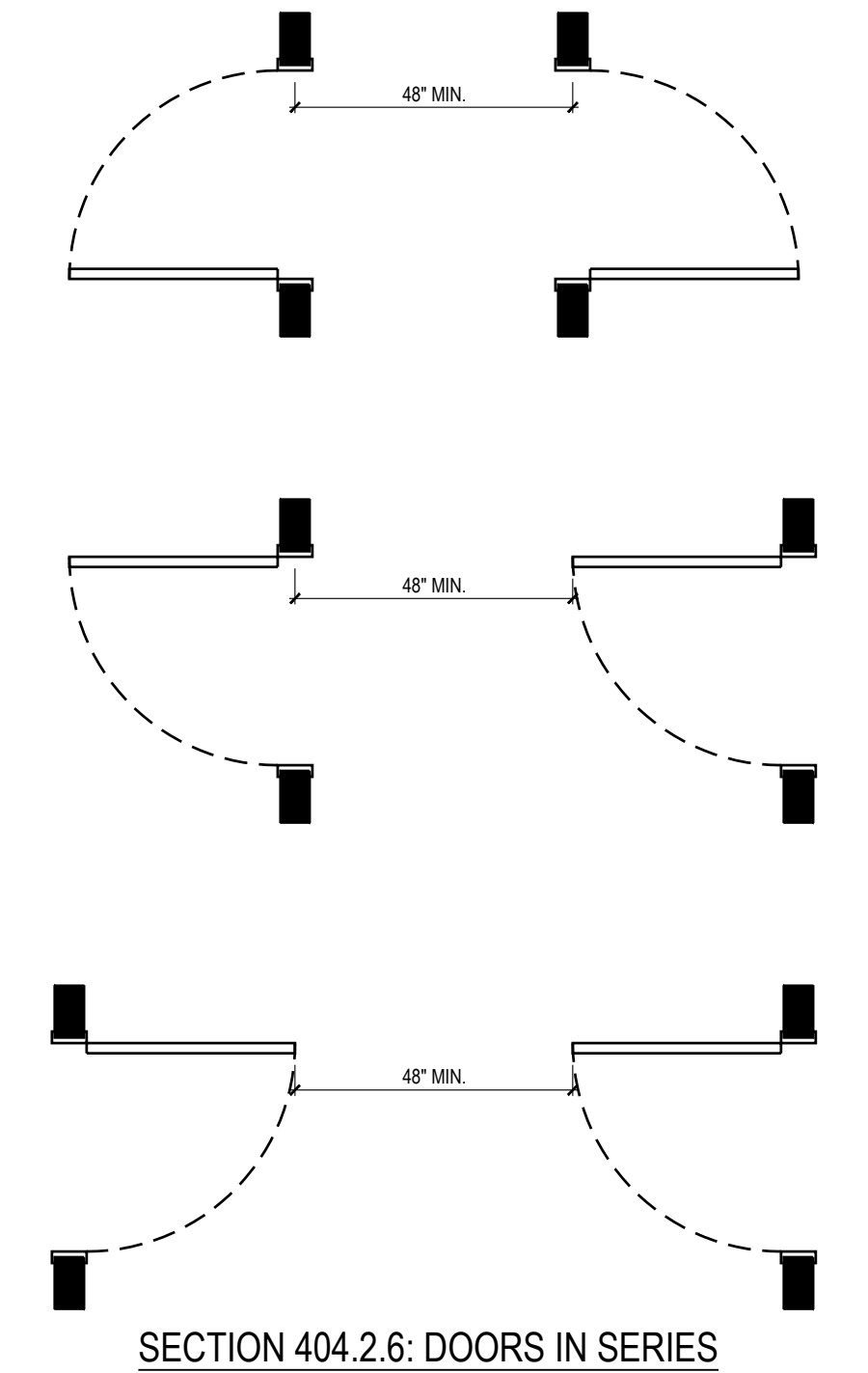
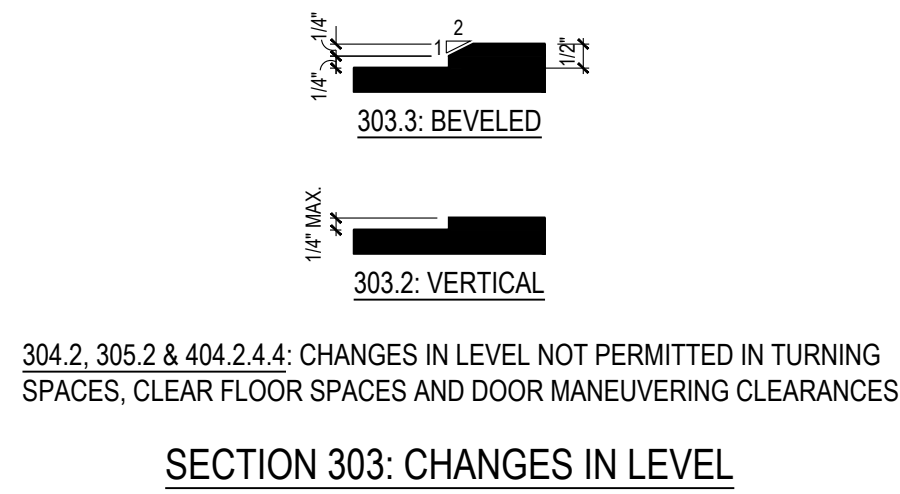
SHEET

A0.4

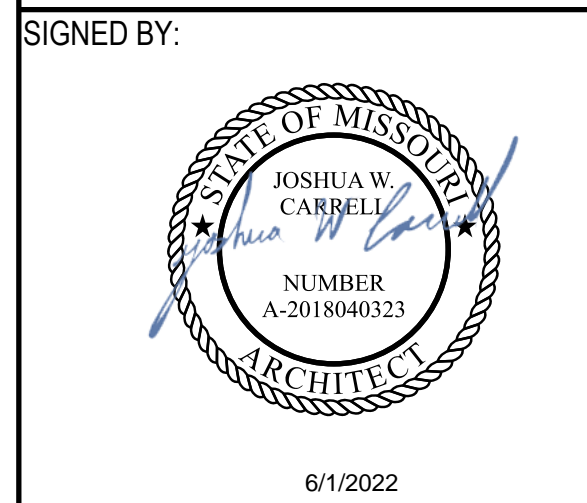




PULL SIDE  
SECTION 404.2.4: MANEUVERING CLEARANCES  
AT MANUAL SWINGING DOORS



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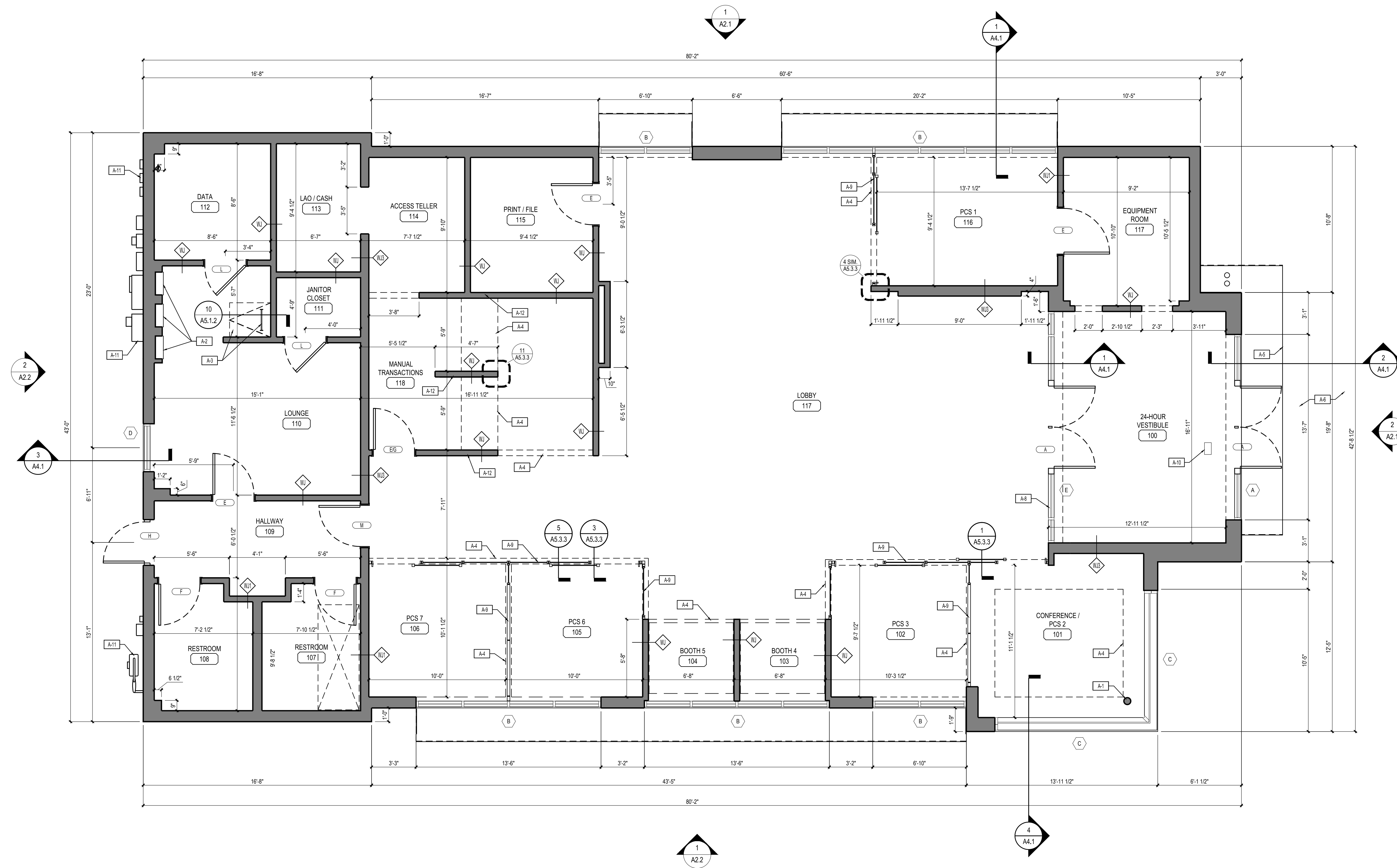
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ACCESSIBILITY  
REQUIREMENTS

02/04/2022  
SHEET

A0.6





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



FLOOR PLAN NOTES	
A-1	STRUCTURAL COLUMN: COORDINATE WITH STRUCTURAL ENGINEERING DRAWINGS
A-2	ELECTRICAL PANELS: LOCKING ENCLOSURES FOR ELECTRICAL MAIN SERVICE AND DISTRIBUTION
A-3	ROOF ACCESS LADDER & SCUTTLE: REFER TO A1.3 FOR DETAILS
A-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.
A-5	ENTRANCE CANOPY: SHOP FABRICATED PRE-FINISHED CUSTOM ALUMINUM CANOPY UNIT WITH INTEGRAL ELECTRICAL AND DRAINAGE SYSTEMS FASTENED TO BUILDING STRUCTURE. REFER TO ELEVATIONS AND WALL SECTIONS
A-6	CONCRETE STOP: ACCESSIBILITY-COMPLIANT CONTINUOUS PAVING TO PUBLIC R.O.W. REQD. FROM ALL EXITS
A-7	(NOT USED)
A-8	STOREFRONT GLAZING SYSTEM INTERIOR PARTITION- REFER TO INTERIOR ELEVATIONS
A-9	DEMOUNTABLE PARTITION SYSTEM WITH INTEGRAL DOORS AND POWER, DATA AND SECURITY CONDUIT SYSTEMS, ANCHORED TO BUILDING WALLS AND FLOOR
A-10	EXIT ALARM POWER SUPPLY: INSTALLED ABOVE FINISH CEILING OVER ALARMED EGRESS DOOR- REFER TO DETAIL 2/E3.
A-11	UTILITY EQUIPMENT: REFER TO EXTERIOR ELEVATIONS, SITE PLAN, AND ELECTRICAL AND PLUMBING DRAWINGS
A-12	PROVIDE FIRE-RATED BLOCKING BETWEEN STUDS TO 8'-0" A.F.F.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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## FLOOR PLAN

02/04/2022

SHEET

### A1.1.1



PLAN NOTES	
A-1	FURNITURE: REFER TO FURNITURE SCHEDULE: COORD. ELEC., DATA AND SECURITY CONNECTIONS AND TERMINATIONS
A-2	FIRE EXTINGUISHER AND CABINET: PROVIDE THE MINIMUM NUMBER AS REQUIRED AND COORDINATE LOCATIONS WITH CODE REQUIREMENTS AND ADJACENT ACCESSIBILITY CLEARANCES
A-3	WALL-MOUNT FIRE EXTINGUISHER CARBON DIOXIDE ONLY / WATER OR DRY CHEMICAL TYPES NOT PERMITTED, CLASS C OR B-C, SLB. OR SMALLER, SET WALL BRACKET TO KEEP HANDLE. 48" AFF
A-4	CUSTOM SHOP-FABRICATED BUILT-IN MILLWORK: REFER TO INTERIOR ELEVATIONS- SUBMIT SHOP DRAWINGS AND FINISH SAMPLES TO ARCHITECT FOR APPROVAL
A-5	ADJUSTABLE SHELVES: REFER TO INTERIOR ELEVATIONS- PROVIDE BLOCKING IN WALL AS REQUIRED
A-6	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
A-7	AUDIO/VIDEO EQUIPMENT: REFER TO INTERIOR ELEVATIONS
A-8	CEILING LIGHT FIXTURE COVE- REFER TO REFLECTED CEILING PLAN
A-9	FLOOR MATERIAL TRANSITION: REFER TO DETAIL 1/A3.3.1

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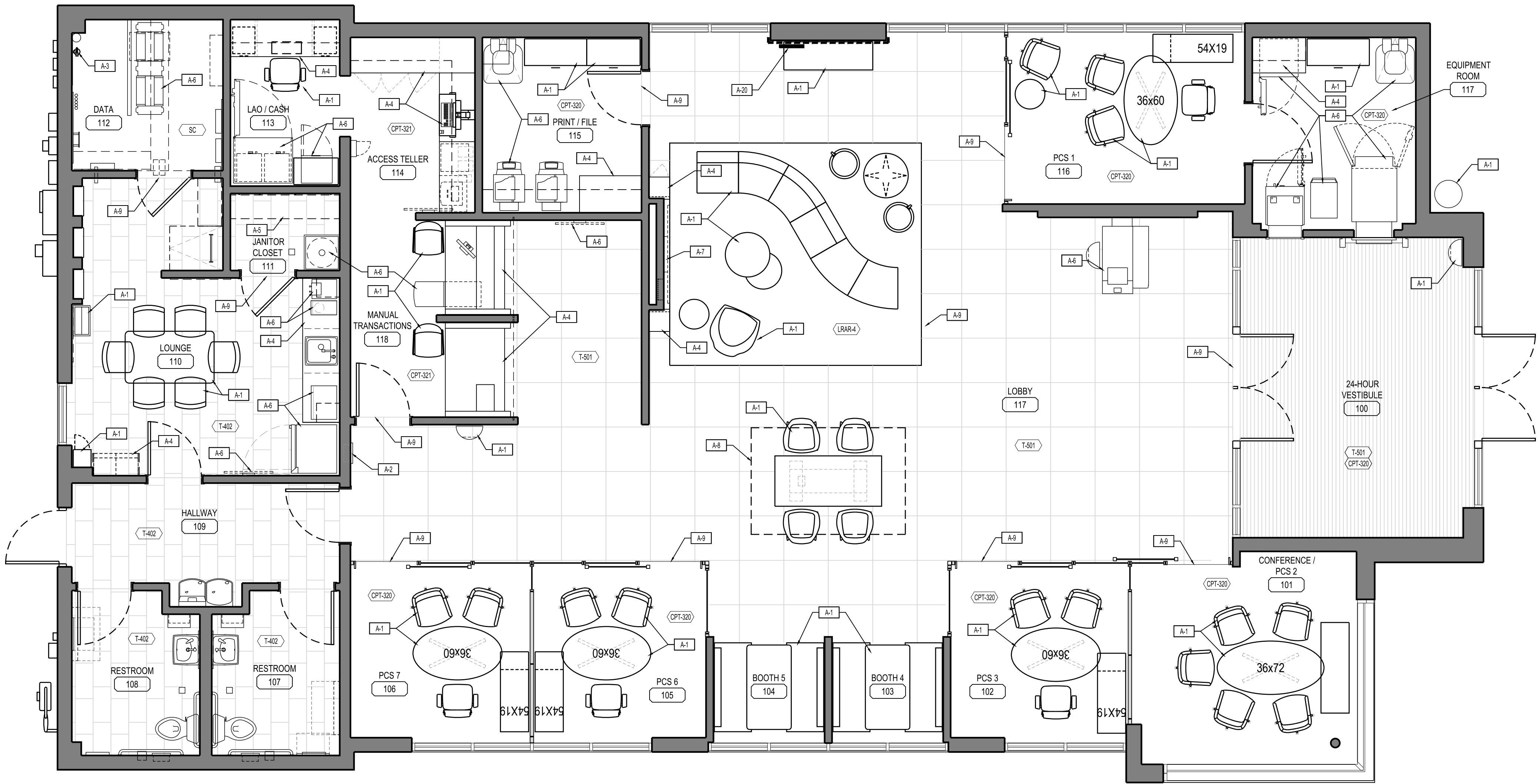
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**FURNITURE AND FLOOR  
FINISH PLAN**

02/04/2022

SHEET

**A1.1.2**



SEE SHEET A3.3.1 AND A 3.3.2  
FOR FINISH SCHEDULE

**1**  
**A1.1.2** **FURNITURE AND FLOOR FINISH PLAN**  
1/4" = 1'-0"





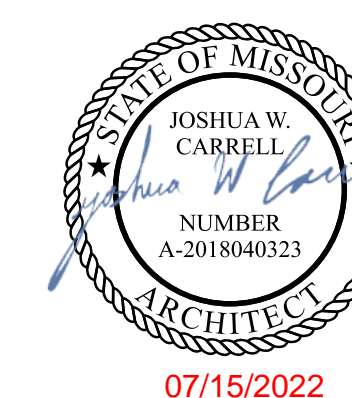
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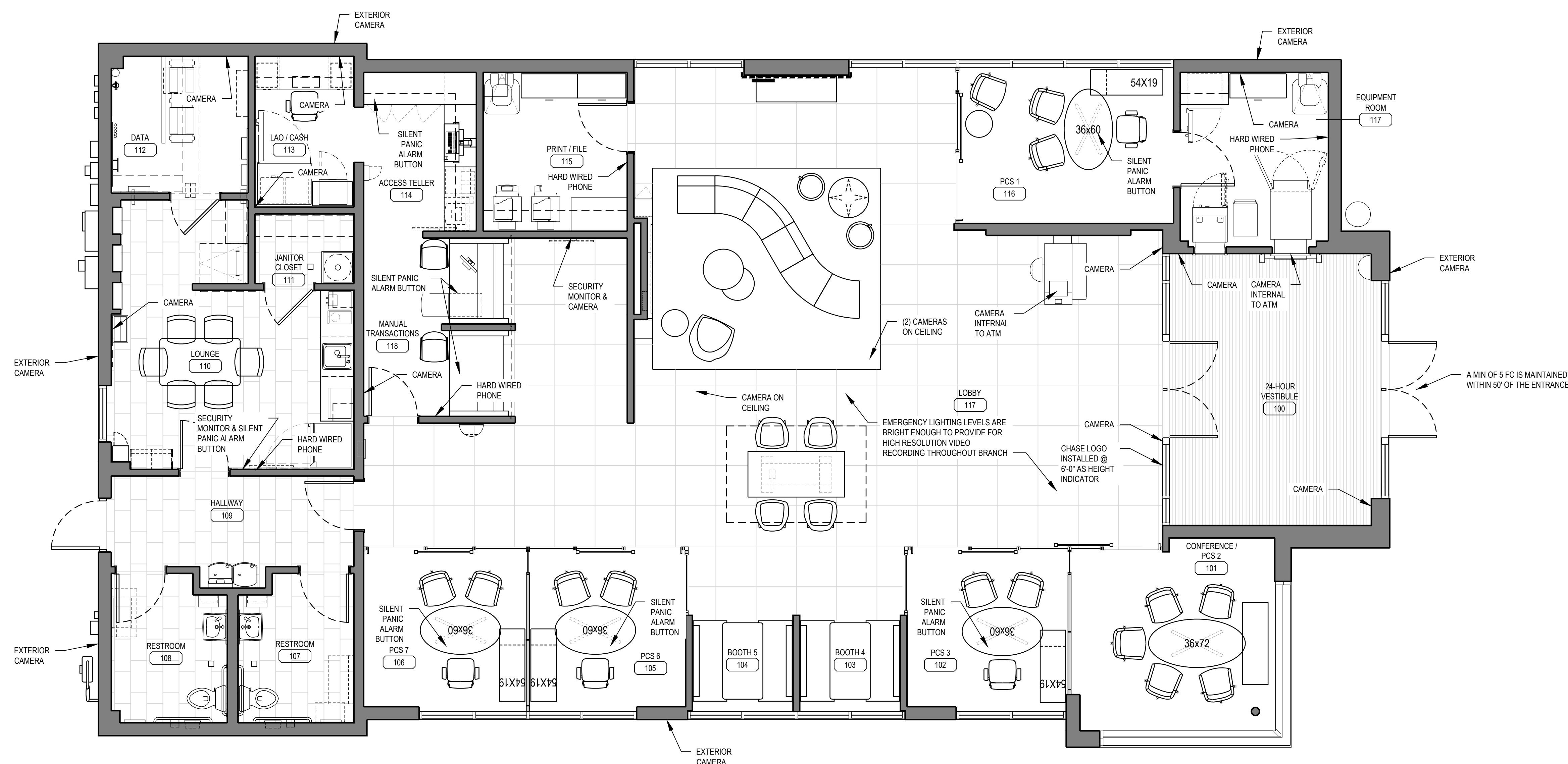
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CPTED FLOOR PLAN

02/04/2022

SHEET

### A1.1.3



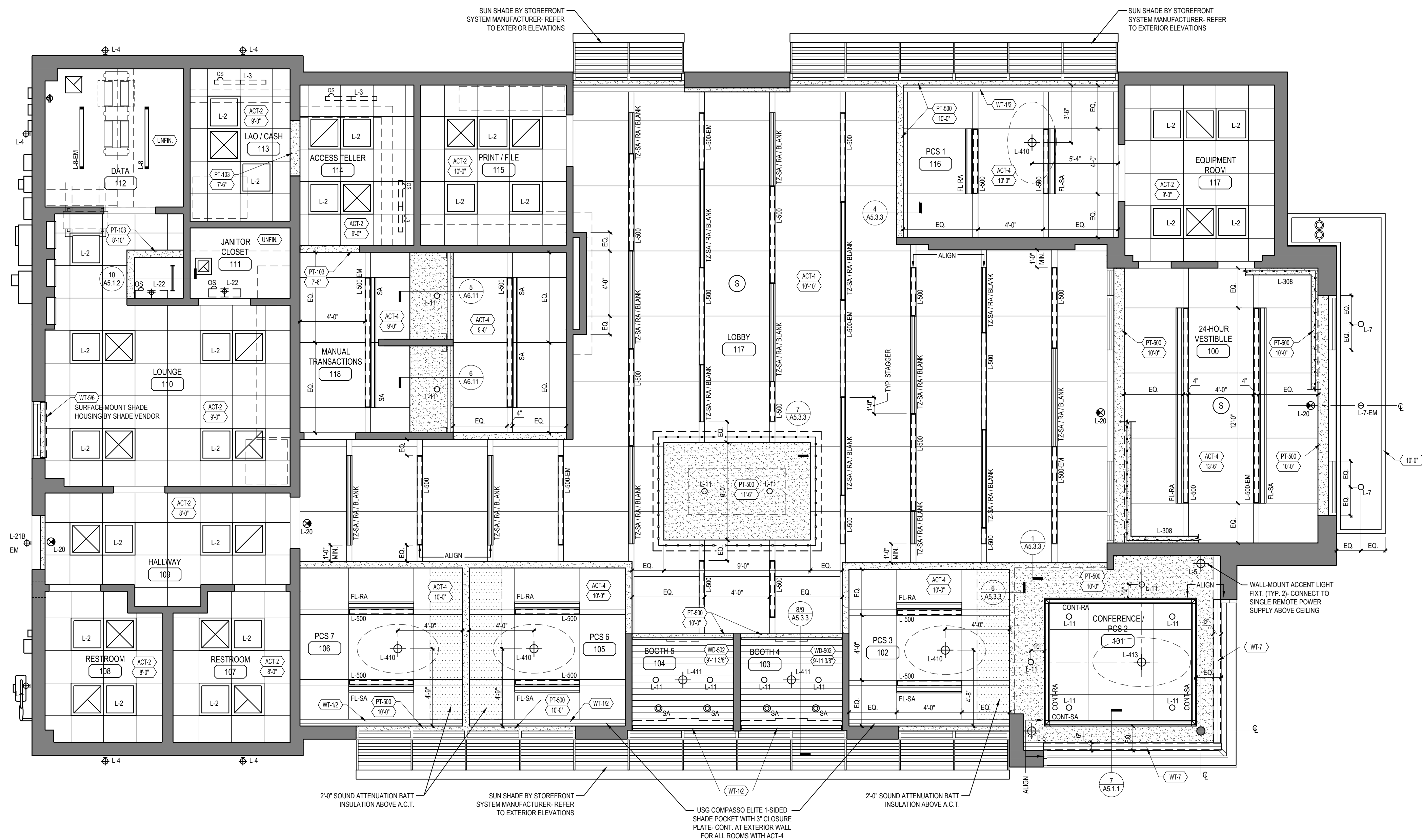
1  
A1.1.2

CPTED FLOOR PLAN

1/4" = 1'-0"







1 REFLECTED CEILING PLAN  
A1.2 1/4" = 1'-0"

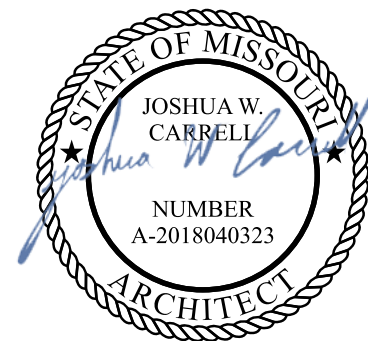


PREPARED BY:  
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6/1/2022

PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

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1	04/11/2022	PERMIT REVISIONS



PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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REFLECTED CEILING PLAN

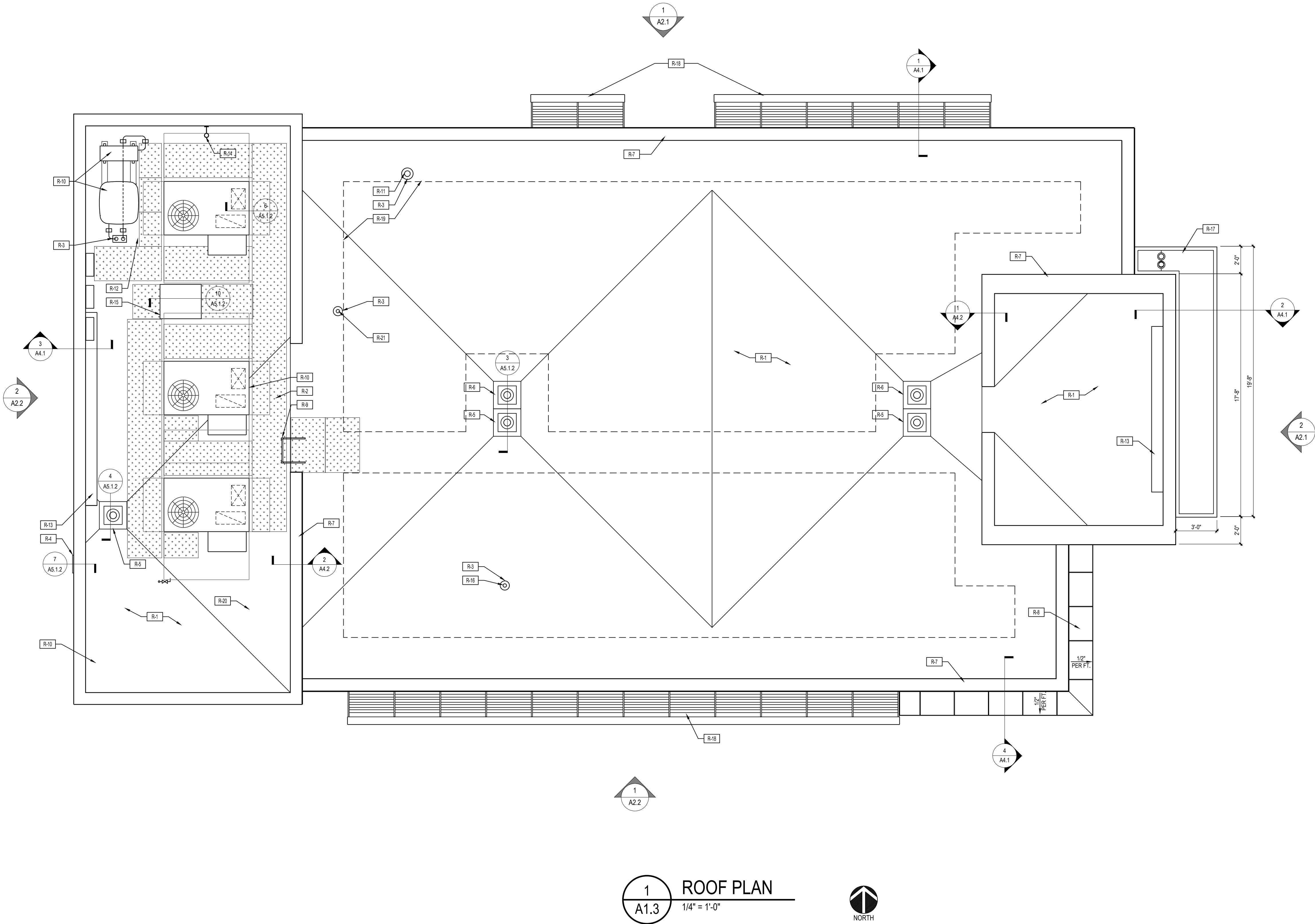
02/04/2022

SHEET

A1.2



ROOF PLAN NOTES		
R-1	LOW-SLOPE ROOFING: THERMOPLASTIC SHEET MEMBRANE ROOFING INSTALLED OVER TAPERED INSULATION AS REQUIRED TO FORM RIDGES, VALLEYS, CRICKETS AND SADDLES AS REQUIRED TO ACHIEVE MINIMUM 1/4" PER FOOT PITCH OR MANUFACTURER'S MINIMUM PITCH REQUIREMENTS FOR THE APPLICATION, WHICHEVER IS GREATER. FORM SLOPES TO ELIMINATE THE POSSIBILITY OF PONDING. REFER TO WALL SECTIONS AND CONSTRUCTION TYPES	
R-2	ROOFING TRAFFIC PADS: SURFACE-ADHERED TEXTURED WALKWAY MATERIAL PER ROOFING MANUFACTURER SPECIFICATIONS TO ALL MECHANICAL EQUIPMENT	
R-3	PIPE PENETRATION: PRE-FABRICATED WATER-TIGHT SURFACE-ADHERED ROOFING PORTAL COMPATIBLE WITH ROOFING MATERIAL	
R-4	ATM CANOPY: SHOP FABRICATED PRE-FINISHED CUSTOM ALUMINUM CANOPY UNIT WITH INTEGRAL ELECTRICAL AND DRAINAGE SYSTEMS FASTENED TO BUILDING STRUCTURE. REFER TO ELEVATIONS AND WALL SECTIONS	
R-5	ROOF DRAIN: METAL DRAIN PAN AND BASKET ASSEMBLY WITH CLAMP RING SECURED WATER-TIGHT TO ROOFING MEMBRANE. REFER TO PLUMBING FIXTURE SCHEDULE	
R-6	OVERFLOW DRAIN: METAL DRAIN PAN AND BASKET ASSEMBLY WITH CLAMP RING SECURED WATER-TIGHT TO ROOFING MEMBRANE. REFER TO PLUMBING FIXTURE SCHEDULE	
R-7	PARAPET COPING SYSTEM: SHOP-FABRICATED PRE-FINISHED ALUMINUM. REFER TO WALL SECTIONS FOR DETAILS AND EXTERIOR ELEVATIONS FOR COLOR	
R-8	BAY ROOF: SEALED-JOINT ACM COPING / CLADDING SYSTEM OVER LOW-SLOPE ROOFING AND RAIN SCREEN WATERPROOFING SYSTEM. REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS	
R-9	ROOF LADDER: REFER TO DETAILS AS NOTED	
R-10	MECHANICAL EQUIPMENT: VENTILATION UNIT, PACKAGED ROOFTOP HEATING AND COOLING UNIT OR SPLIT-SYSTEM A/C UNIT MOUNTED TO SHOP-FAB. VIBRATION-ISOLATING RAIL OR INSULATED CURB UNIT- LAP FLASH WATER-TIGHT TO ROOFING MEMBRANE. REFER TO DETAILS 1AM2 AND 1BM2.	
R-11	PLUMBING STACK VENT: PVC SIZED AS REQD. WITH PRE-FABRICATED COMPATIBLE FLASHING BOOT ADHERED TO ROOF MEMBRANE- EXTEND VENT TO ALIGN WITH ADJACENT PARAPET COPING AND PROVIDE LATERAL BRACING AS REQD.	
R-12	SURFACE-MOUNT MECHANICAL PIPING: GAS AND REFRIGERANT PIPING SUPPORTED ON ROOFING BY B-LINE DURA-BLOK PRE-FAB. RUBBER-BASE GALVANIZED STEEL UNISTRUT PIPE SUPPORTS AT 8'-0" o.c. MAX.	
R-13	SURFACE-MOUNT SIGNAGE EQUIPMENT ENCLOSURE: WATER-TIGHT SHOP-FABRICATED METAL SIGNAGE ENCLOSURE BY SIGN VENDOR. SECURE TO BACKSIDE OF PARAPET WALL WITH MINIMAL PENETRATIONS OF ROOFING MEMBRANE. PROVIDE PERIMETER WATER-TIGHT SEALANT COMPATIBLE WITH ROOF MEMBRANE.	
R-14	LANDSCAPE IRRIGATION SYSTEM WEATHER STATION: FASTENED TO BACKSIDE OF PARAPET USING MFR'S BRACKET. SEAL MEMBRANE PENETRATIONS W/ 100% SILICONE SEALANT	
R-15	SCUTTLE: PRE-FAB. INSULATED ROOF SCUTTLE WITH RETRACTABLE SAFETY POST. FLASH WATER-TIGHT TO ROOFING MEMBRANE. PROVIDE CARABINER THROUGH LATCH	
R-16	FURNACE VENT: CONCENTRIC OR SIDE-WALL PVC EXHAUST / COMBUSTION AIR INTAKE W/ ROOF MEMBRANE FLASHING BOOT- AT GAS-FIRED FURNACE LOCATIONS ONLY	
R-17	ENTRANCE CANOPY: SHOP FABRICATED PRE-FINISHED CUSTOM ALUMINUM CANOPY UNIT WITH INTEGRAL ELECTRICAL AND DRAINAGE SYSTEMS FASTENED TO BUILDING STRUCTURE. REFER TO ELEVATIONS AND WALL SECTIONS	
R-18	SUN SHADE: BY STOREFRONT SYSTEM MANUFACTURER- REFER TO EXTERIOR ELEVATION NOTES	
R-19	FUTURE PHOTOVOLTAIC PANEL ARRAY AREA. FOR DETAILS OF FUTURE PV SYSTEM, REFER TO 'ROOFTOP SOLAR PROGRAM STANDARD BUILDING PACKAGE' DRAWINGS POSTED TO OVP/SPOTLIGHT; ADDITIONAL STRUCTURAL LOADING IS 5PSF AT SLOPED ROOFS AND 10PSF AT FLAT ROOFS	
R-20	FUTURE PHOTOVOLTAIC EQUIPMENT AREA: REFER TO ELEC. RISER DIAGRAM, SHEET E3	
R-21	RIGID METAL CONDUIT MAST FOR FUTURE CELLULAR ANTENNA: REFER TO BUILDING ENVELOPE LIGHTING AND POWER PLAN, SHEET E3	

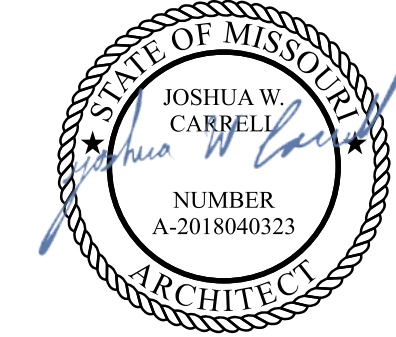


1  
A1.3  
ROOF PLAN  
1/4" = 1'-0"



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ROOF PLAN

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SHEET

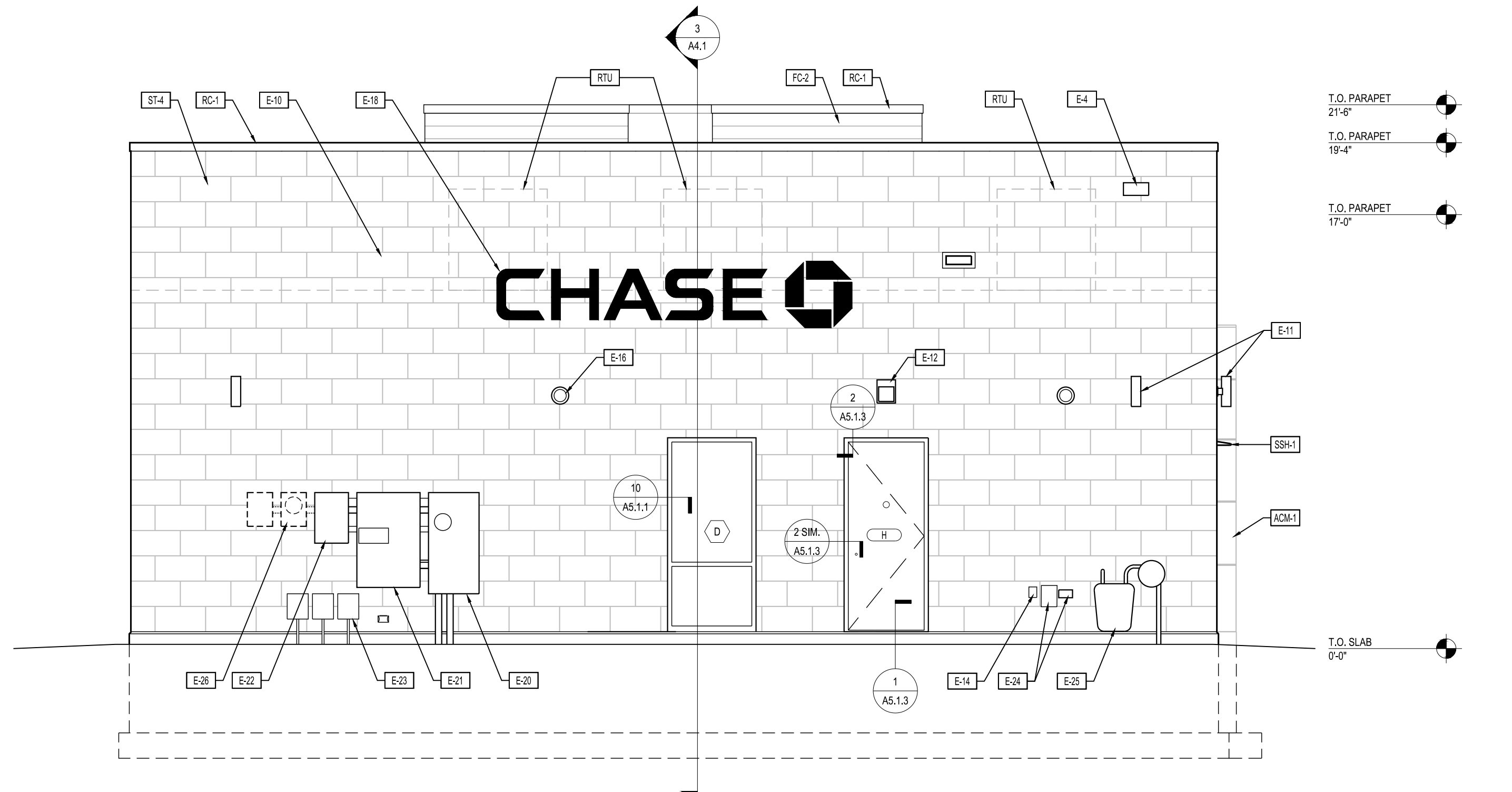
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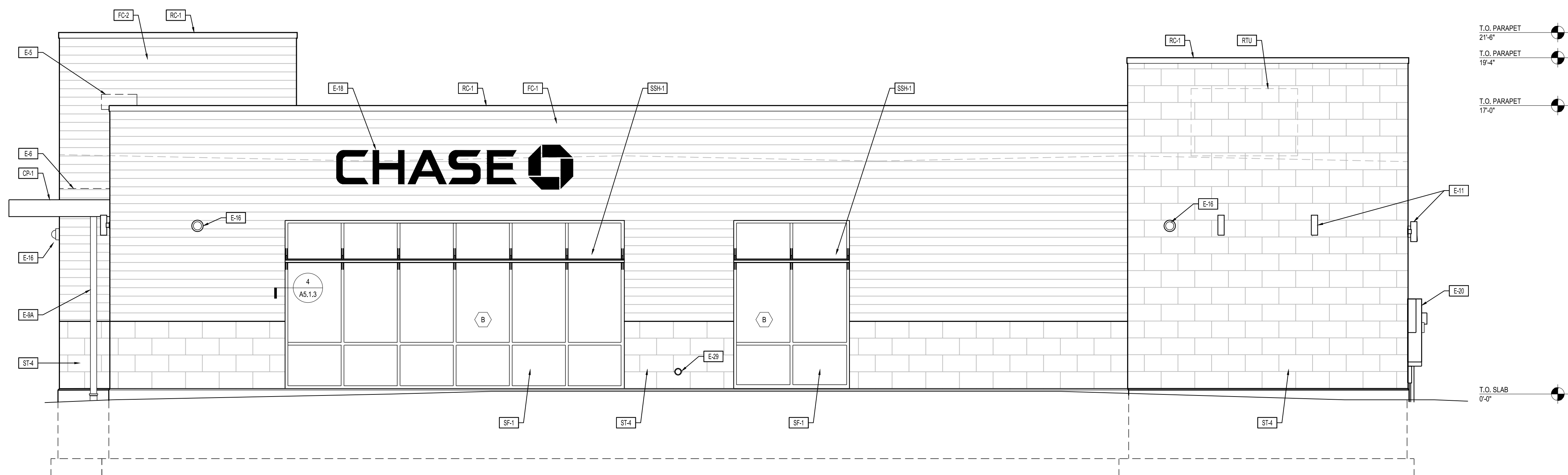




EXTERIOR FINISH MATERIALS		
ST-4	MANUFACTURED THIN STONE VENEER	
	MANUFACTURER	CORONADO STONE PRODUCTS
	PRODUCT	CHISELED LIMESTONE
	COLOR	CREAM
	SIZE	24" WIDE x 12" HIGH x 1" THICK
NOTES	1/4" NOMINAL JOINTS WITH FULL SMOOTH TOOLED COLOR-MATCHED PORTLAND CEMENT GROUT	
	RUNNING BOND MANUFACTURED THIN STONE FIELD-CUT TO MAX. LENGTHS POSSIBLE WITH BUTTED AND LAPPED INSIDE CORNERS AND	
	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	NICHIHA 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	FIBER CEMENT PANEL - LIGHT	
	MANUFACTURER	NICHIHA FIBER CEMENT
	PRODUCT	VINTAGEWOOD AWP 1818 (AVAILABLE AS AWP 3030 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	ROOF COPING	
	MANUFACTURER	PETERSEN ALUMINUM / PAC-CLAD
	PRODUCT	PAC-CONTINUOUS
	COLOR	MATTE BLACK STEEL / BLACK ALUMINUM
ACM-1	ALUMINUM COMPOSITE MATERIAL	
	MANUFACTURER	ARCONIC ARCHITECTURAL PRODUCTS
	PRODUCT	REYNOBOND
	COLOR	DURAGLOSS 5000 DG SILVER
SF-1	ALUMINUM STOREFRONT	
	MANUFACTURER	KAWNEER
	PRODUCT	451T
	COLOR	BLACK ANODIZED ALUMINUM
SSH-1	SUNSHADE	
	MANUFACTURER	KAWNEER
	PRODUCT	VERSOLEIL
	COLOR	BLACK ANODIZED ALUMINUM
CP-1	CANOPY	
	MANUFACTURER	SHOP FABRICATED
	COLOR	BLACK ANODIZED ALUMINUM



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

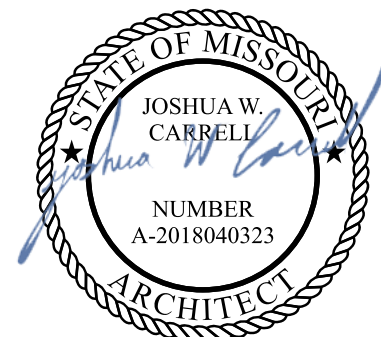


1 NORTH ELEVATION  
A2.2 1/4" = 1'-0"

ELEVATION NOTES	
E-1	CONCRETE FOOTINGS / FOUNDATIONS: REFER TO STRUCTURAL DWGS.
E-2	CONCRETE CURB AND ISLANDS: REFER TO ARCHITECTURAL SITE PLAN AND DRIVE-UP CANOPY PLAN
E-3	EMERGENCY ACCESS KEY BOX: WHERE REQUIRED BY LOCAL CODE ONLY - RECESS MOUNT IN WALL CONSTRUCTION AS REQD. TO SET FACE FLUSH WITH ADJACENT WALL FINISH- VERIFY FINAL LOCATION WITH AUTHORITIES HAVING JURISDICTION
E-4	LIGHTING TIMER SYSTEM PHOTO SENSOR: REFER TO ELECTRICAL DRAWINGS
E-5	METAL FLASHING AND COUNTER FLASHING CONCEALED BEHIND WALL FINISH AND FINISH OF EXPOSED FLASHING TO MATCH ADJACENT ROOFING/COPING
E-6	FLASHING AT PREFAB CANOPY: PRE-FINISHED ALUMINUM FLASHING TO SPAN GAP BETWEEN PREFAB CANOPY AND BUILDING CONCEALED BEHIND WALL FINISH- REFER TO WALL SECTIONS AND DETAILS- COLOR TO MATCH EPT-4. VERIFY FINAL FLASHING LENGTH AND CONFIGURATION WITH APPROVED CANOPY SHOP DWGS
E-7	ENTRANCE / ATM CANOPY: SHOP FABRICATED SITE-ASSEMBLED PRE-FINISHED SHIP CUSTOM ALUMINUM CANOPY UNIT WITH PREPPED ELECTRICAL OPENINGS AND INTEGRAL DRAINAGE SYSTEM FASTENED TO BUILDING STRUCTURE. MAPES ARCHITECTURAL CANOPIES SUPER LUMIDEQ WITH FLAT SOFOT AND 12" FASCIA, OR APPROVED EQUAL- REFER TO ROOF PLAN AND WALL SECTIONS- INSTALLED BY GC. MAPES CANOPIES CAN EITHER PRE-FAB THE UNITS AND SHIP READY-TO -INSTALL, OR SHIP AS KIT OF PARTS FOR GC TO ASSEMBLE ON-SITE. GC SELECTS OPTION WHEN THEY ORDER
E-8	CONTROL / EXPANSION JOINT: VERTICAL ELASTOMERIC SEALANT JOINT CONTINUOUS THROUGH VENEER- MATCH SEALANT COLOR TO VENEER COLOR
E-9A	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 SITE PLAN
E-9B	LARGE CANOPY DOWNSPOUT/OVERFLOW: ROUND ALUMINUM DOWNSPOUT, SIZED AS REQUIRED, WITH ATTACHMENT HARDWARE AS REQUIRED, PAINTED TO MATCH ADJACENT WALL/COLUMN FINISH- SPLASH TO CONCRETE DRIVE UP ISLAND
E-10	SCUPPER: REFER TO ROOF PLAN
E-11	SURFACE-MOUNT DECORATIVE LIGHT FIXTURE: REFER TO REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS
E-12	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
E-13	AUTOMATIC DOOR OPERATOR BUTTON AND KEYCARD READER RECESSED FLUSH WITH WALL SURFACE- DO NOT SURFACE-MOUNT
E-14	HOSE BIB: SET FLUSH WITH FACE OF MASONRY VENEER- REFER TO PLUMBING FIXTURE SCHEDULE
E-15	ELECTRICAL OUTLET: SET FLUSH WITH FACE OF MASONRY VENEER- PROVIDE METAL COVER COMPLIANT WITH N.E.C.
E-16	SECURITY CAMERA: PROVIDE CONCEALED JUNCTION BOX AND CONDUIT TO INTERIOR; REFER TO OWNER'S SECURITY CONSULTANT DRAWINGS
E-17	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
E-18	SIGNAGE: BY OWNER'S SIGN VENDOR- N.I.C. - PROVIDE ROUGH ELEC. WORK AND BLOCKING IN WALL AS REQD. FOR VENDOR INSTALLATION
E-19	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
E-20	ELECTRICAL SERVICE CT / METER CABINET: REFER TO ELECTRICAL DRAWINGS
E-21	EMERGENCY TRANSFER SWITCH: REFER TO ELECTRICAL DRAWINGS
E-22	PHOTOVOLTAIC SYSTEM FUSED DISCONNECT SWITCH: REFER TO ELECTRICAL DRAWINGS
E-23	TELE / DATA / UTILITY CONNECTIONS: REFER TO ELECTRICAL DRAWINGS
E-24	LANDSCAPE IRRIGATION SYSTEM: CONTROLLER, WIRELESS NETWORK CONNECTOR, AND DEDICATED WP POWER OUTLET; REFER TO SITE PLAN AND ELECTRICAL PLAN
E-25	GAS METER: REFER TO SITE PLAN AND PLUMBING DRAWINGS
E-26	FUTURE PHOTOVOLTAIC SYSTEM DISCONNECT SWITCH AND PERFORMANCE METER: REFER TO ELECTRICAL DRAWINGS
E-27	FIRE ALARM SYSTEM BELT AND STROBE: WHERE REQUIRED BY LOCAL CODE ONLY- VERIFY FINAL LOCATION WITH LOCAL AUTHORITIES HAVING JURISDICTION
E-28	FIRE DEPARTMENT CONNECTION: FIRE SUPPRESSION SYSTEM EXTERIOR CONNECTION WHERE REQD. BY LOCAL CODE ONLY- VERIFY FINAL LOCATION WITH LOCAL AUTHORITIES HAVING JURISDICTION
E-29	ROOF OVERFLOW DOWNSPOUT NOZZLE: REFER TO PLUMBING DRAWINGS AND DESIGN INTENT ARCHITECTURAL SITE PLAN
E-30	SUN SHADE: GLAZING SYSTEM MANUFACTURER'S STANDARD INTERGRADE SHADE ACCESSORY; REFER TO WALL SECTIONS; MATCH GLAZING SYSTEM FINISH- BASIS OF DESIGN IS KAWNEER VERSOLEIL 30" WEDGE WITH ANGULAR FASCIA AND CIRCULAR BLADES
E-31	BOLLARD: REFER TO ARCHITECTURAL SITE PLAN AND DRIVE-UP CANOPY PLAN

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6/1/2022

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PRYOR & LOWENSTEIN  
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## EXTERIOR ELEVATIONS

02/04/2022

SHEET

## A2.2



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PROTOTYPE VERSION 20.4

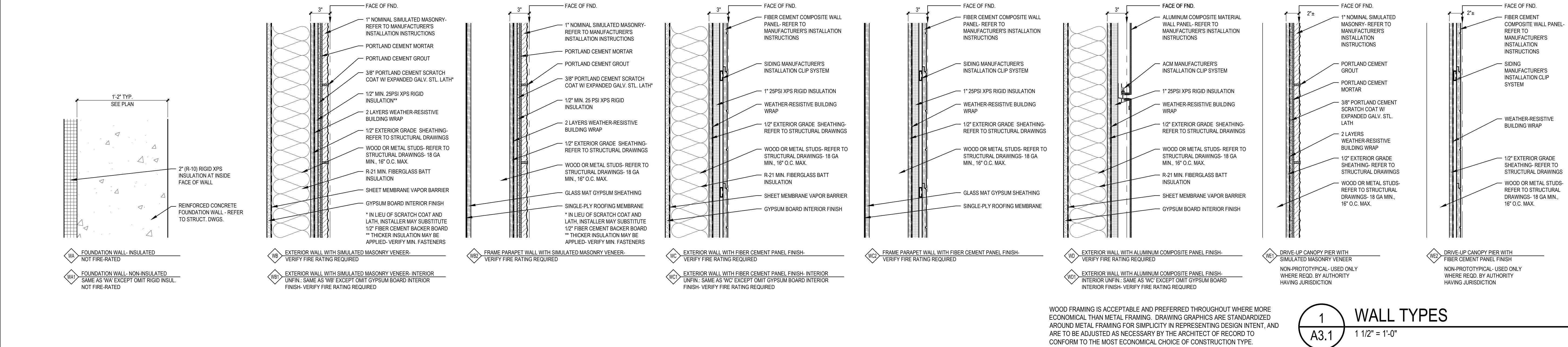
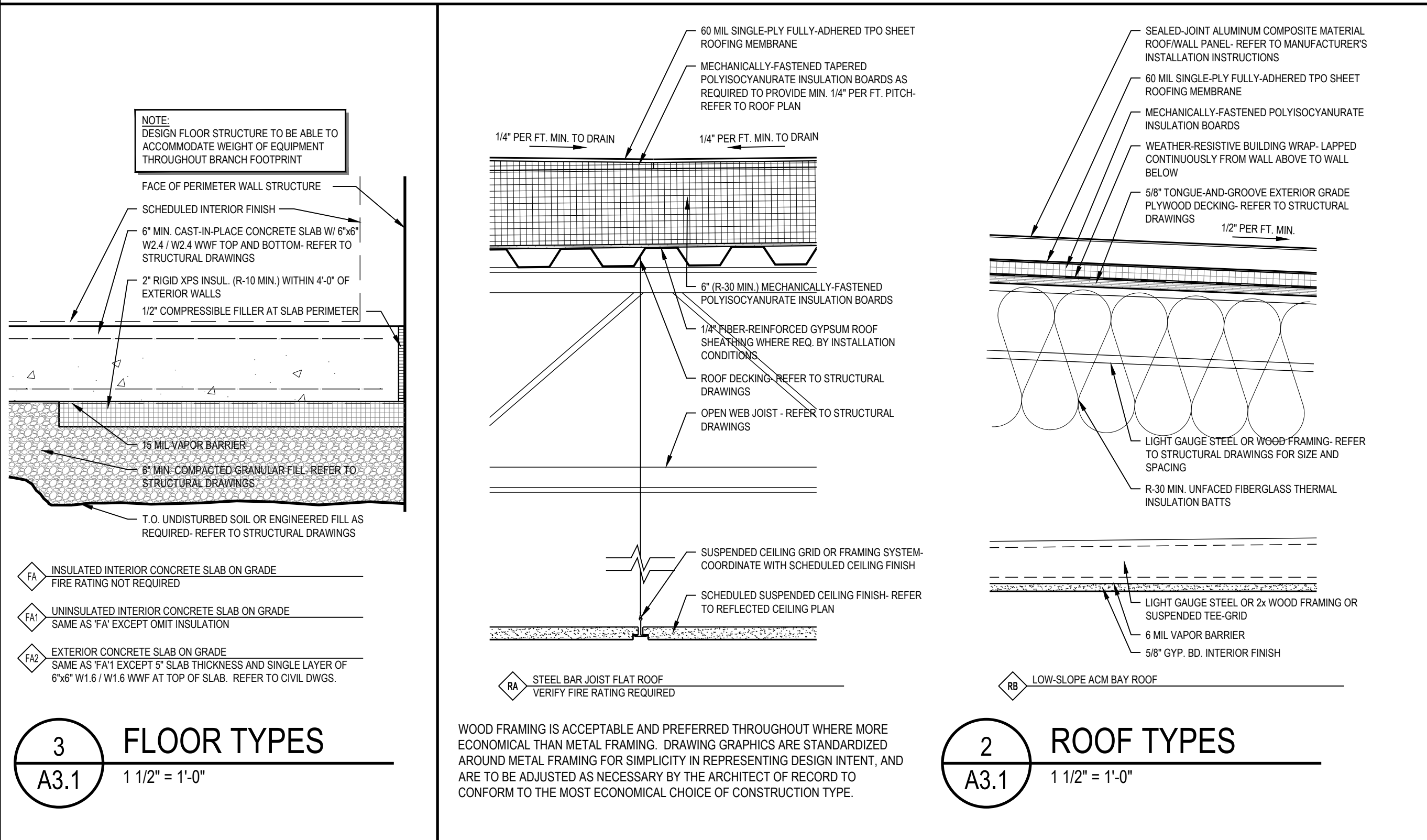
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WALL TYPES  
FLOOR TYPES  
ROOF TYPES

02/04/2022

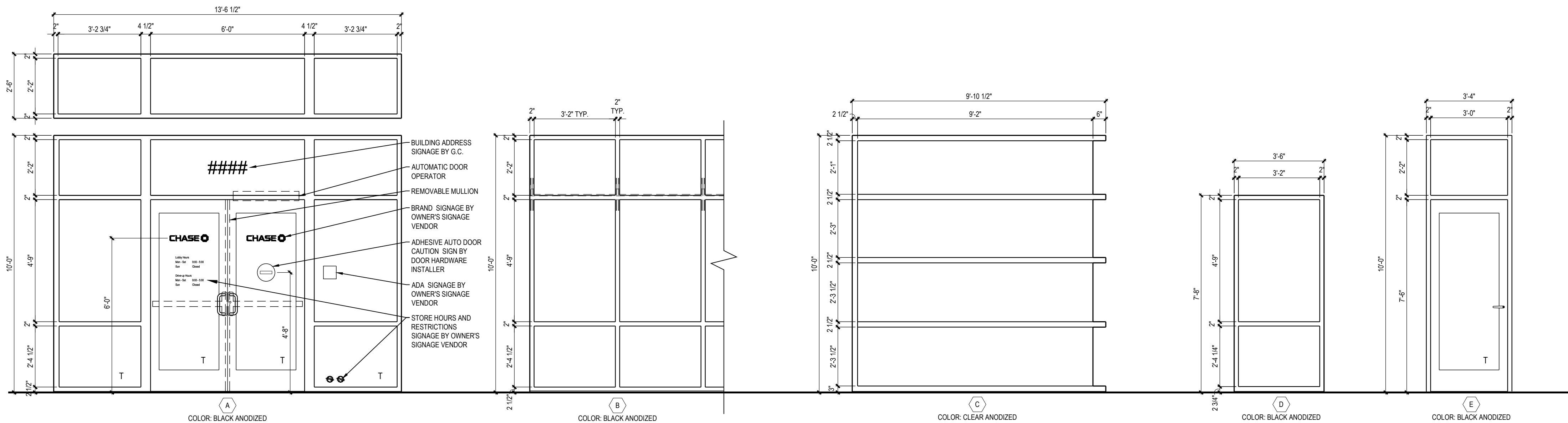
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**A3.1**



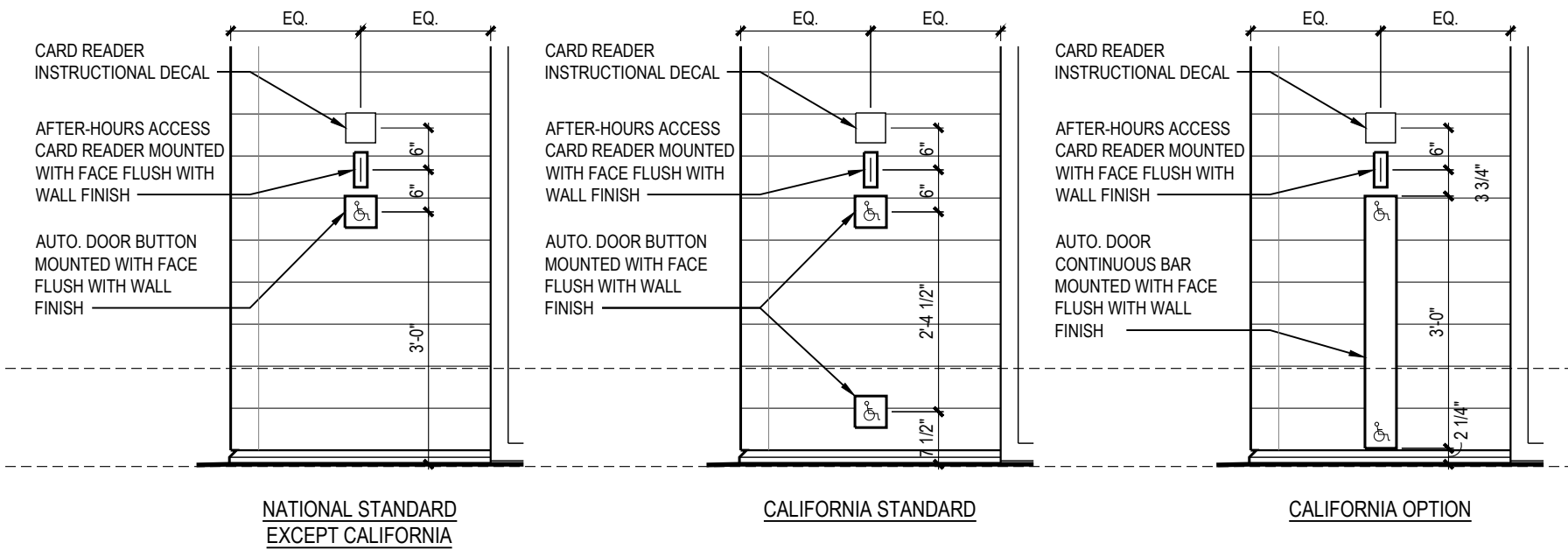


DOOR TYPES SCHEDULE									
TYPE	TYPICAL SIZE			DOOR		FRAME		HDWR.	NOTES
	W	H	T	MATERIAL	FINISH	MATERIAL	FINISH		
A ENTRANCE	(2) 3'-1 3/4"	7'-6"	1 3/4"	ALUMINUM / INSUL. GLASS	BLACK ANODIZED	ALUMINUM	BLACK ANODIZED	01	WIDE-STILE, 10" BOTTOM RAILS, REMOVABLE MULLION, STORE HOURS SIGNAGE BY OWNER
A (2ND ENTRANCE)	(2) 3'-1 3/4"	7'-6"	1 3/4"	ALUMINUM / INSUL. GLASS	BLACK ANODIZED	ALUMINUM	BLACK ANODIZED	01A	WIDE-STILE, 10" BOTTOM RAILS, REMOVABLE MULLION, STORE HOURS SIGNAGE BY OWNER
B VESTIBULE	(2) 3'-0"	7'-6"	1 3/4"	ALUMINUM / GLASS	BLACK ANODIZED	ALUMINUM	BLACK ANODIZED	02	NOT USED IN PROTOTYPE PLANS. WIDE-STILE, 10" BOTTOM RAILS, REMOVABLE MULLION
E SECURED	3'-0"/ 3'-4"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	03	3'-0" TYPICAL WIDTH; 3'-4" WIDTH AT ATM & SDB ROOMS; CLOSER CONCEALED FROM CUSTOMER VIEW
F PRIVACY (RESTROOM, SDB CHEST RM.)	3'-0"/ 3'-4"	7'-0"	1 3/4"	SOLID-CORE WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	04	TYPICAL AT RESTROOMS AND SDB ROOMS WITH VIEWING CARRELS, UNDERCUT DOORS 1" WHEN ROOM PROVIDED WITH ONLY SUPPLY AIR OR RETURN AIR OR EXHAUST.
F1 PRIVACY (SDB VIEWING RM.)	3'-0"/ 3'-4"	7'-0"	1 3/4"	SOLID-CORE WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	04A	TYPICAL AT SDB VIEWING ROOMS. UNDERCUT DOORS 1" WHEN ROOM PROVIDED WITH ONLY SUPPLY AIR OR RETURN AIR OR EXHAUST.
G BULLET-RESISTANT	3'-0"/ 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 AND CLOSER PROVIDED BY BANK EQUIPMENT VENDOR- G.C.'S PAINTER TO FIELD PRIME WITH ETCHING PRIMER AND PAINT DOOR AND FRAME
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
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.
L1 FIRE-RATED 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	SAME AS "L" EXCEPT FIRE-RESISTANCE RATED FOR 1 HOUR. INCLUDE FULL PERIMETER SMOKE SEALS AND SWEEP.
M PASSAGE	3'-0"/ 3'-4"	7'-0"	1 3/4"	SOLID-CORE FLUSH WOOD	PAINT TO MATCH ADJACENT WALL	HOLLOW METAL	PAINT TO MATCH ADJACENT WALL	05	TYPICAL AT 2ND DOOR IN A SERIES TO A ROOM WITH BANK EQUIPMENT WHERE THE FIRST DOOR IS TYPE E, ALSO FOR USE AT NON-SECURED CLOSETS
Q OVERHEAD COILING	SEE PLAN	FLUSH W/ CEILING	NA	ALUMINUM / POLYCARBONATE	BLACK ANODIZED- FIELD-PAINT BOTTOM RAIL/PLATE BOTTOM SURFACE PT-500	ALUMINUM	CLEAR ANODIZED (JAMB CHANNELS ONLY)	BY MFR.	QM SECURITY SOLUTIONS TRANSPAROLL NPT (SUBSTITUTIONS NOT PERMITTED). PROVIDE FLUSH KEY SWITCHES WITH SCHLAGE C123 CORES: 2 AT SITES WITHOUT SEPARATE EMPLOYEE ACCESS, 1 AT SITES WITH SEPARATE EMPLOYEE ACCESS; PROVIDE BATTERY BACKUP POWER WITH REQUIRED ACCESS ABOVE CEILING.
R EMPLOYEE ENTRANCE	3'-0"	7'-6"	1 3/4"	ALUMINUM / GLASS	BLACK ANODIZED	ALUMINUM	BLACK ANODIZED	16	

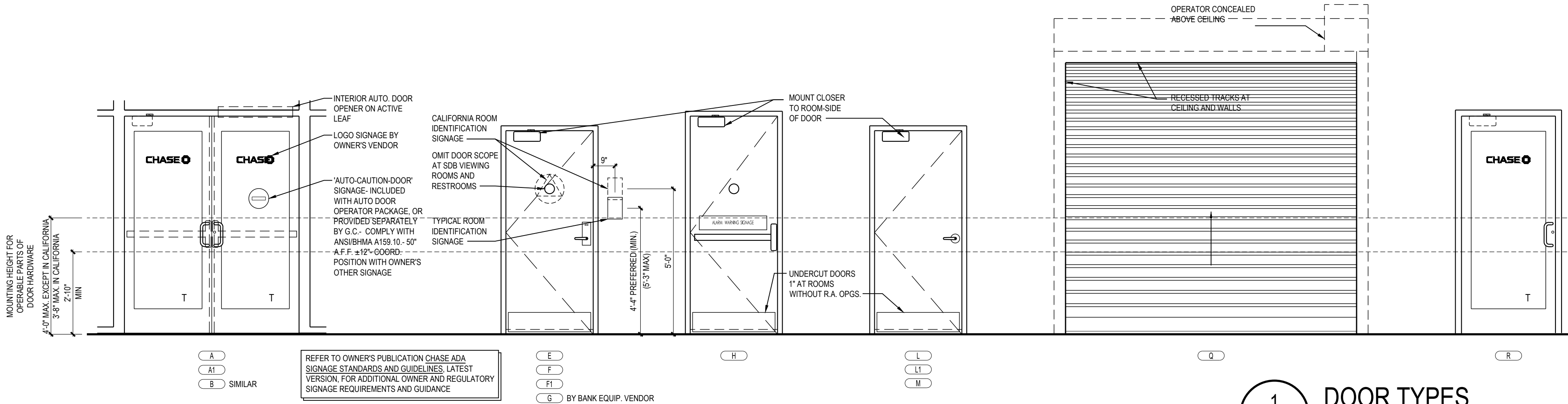


- REFER TO OWNER'S PUBLICATION CHASE ADA SIGNAGE STANDARDS AND GUIDELINES, LATEST VERSION, FOR ADDITIONAL OWNER AND REGULATORY SIGNAGE REQUIREMENTS AND GUIDANCE
- AT NON-ADA-COMPLIANT ENTRANCES, PROVIDE ADA-COMPLIANT DIRECTIONAL SIGNAGE FEATURING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS REQD. TO DIRECT APPROACHING FOOT TRAFFIC TO THE 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

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



3 AUTO. DOOR BUTTONS AND SIGNAGE  
A3.2.1 1/2" = 1'-0"



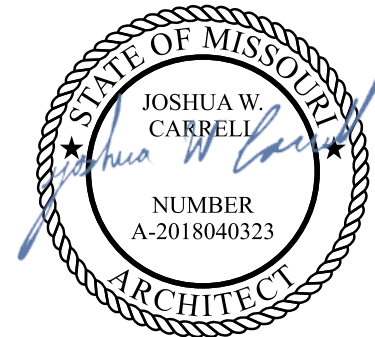
1 DOOR TYPES  
A3.2.1 1/4" = 1'-0"

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6/1/2022

PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #412100090

ISSUE	DATE	DESCRIPTION
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CHASE

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

CONTENTS

DOOR TYPES SCHEDULE  
DOOR TYPES  
WINDOW TYPES

02/04/2022

SHEET

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	BLACK	STOCK# 006597
	REMOVABLE MULLION	VON DUPRIN	KR4854	SPBLK (BLACK PAINT)	
	PANIC BAR	VON DUPRIN	CD99EO	626 SATIN CHROMIUM	
	PANIC BAR	VON DUPRIN	CD99NL-OP	626 SATIN CHROMIUM	
	MORTISE CYLINDER	SCHLAGE	20-001/C123	626 SATIN CHROMIUM	NOTE 8
	MORTISE CYLINDER (2)	SCHLAGE	20-001 QX11-948/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-Q-O	630 SATIN STAINLESS STEEL	
	OFFSET DOOR PULL (ALT.) (2)	TRIMCO	1191E-3-4.BPVC	PVC	PVC-COATED "STAY-COOL" PULLS FOR USE IN THE DESERT SOUTHWEST ONLY
	POWER OPERATOR	LCN	4640CS	POWDER COAT BLACK	
	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.
	KEY SWITCH	SCHLAGE	653-1414-L2	---	NARROW-STILE COVER PLATE- OMIT AT TYPE 01A
	CLOSER	LCN	4111-3077CNS	STANDARD POWDER COAT BLACK	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	2170DV	DARK BRONZE VINYL	
	SWEEP- HIGH WIND CONDITIONS	PEMKO	315DN	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	BLACK	STOCK# 006597
	REMOVABLE MULLION	VON DUPRIN	KR4954	SPBLK (BLACK PAINT)	
	PANIC BAR	VON DUPRIN	CD99EO	626 SATIN CHROMIUM	
	PANIC BAR	VON DUPRIN	CD99NL-OP	626 SATIN CHROMIUM	
	MORTISE CYLINDER	SCHLAGE	20-001/C123	626 SATIN CHROMIUM	NOTE 8
	MORTISE CYLINDER (2)	SCHLAGE	20-001 QX11-948/C123	626 SATIN CHROMIUM	
	RIM CYLINDER	SCHLAGE	20-022	626 SATIN CHROMIUM	
	OFFSET DOOR PULL (2)	IVES	8190-Q-O	630 SATIN STAINLESS STEEL	
	POWER OPERATOR	LCN	4640CS	POWDER COAT BLACK	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 WALL WITH ACCESSIBLE CLEARANCES IS NOT AVAILABLE. NOT TO BE USED AT ANY EXTERIOR NEW-BUILD CONDITION.
	KEY SWITCH	LCN	8310-806K	---	RECESSED IN HINGE JAMB MULLION at 38" AFF (NOTE 5)
	CLOSER	LCN	4111-3077CNS	STANDARD POWDER COAT BLACK	LEFT-HAND LEAF AS VIEWED FROM EXTERIOR, ADA COMPLIANT
03 SECURED	BUTT HINGE (3)	HAGER	BB1191 ANSI A2112 4.5x4.5	626 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 A2112 4.5x4.5	626 SATIN CHROMIUM	
	ELECTRONIC LOCK	SCHLAGE	CO-100-CY-40-KP-SPA-626-PD-C123	626 SATIN CHROMIUM	WITH PRIVACY 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 A2112 4.5x4.5	626 SATIN CHROMIUM	
	PRIVACY LOCK	SCHLAGE	L9496-17A/C123	626 SATIN CHROMIUM	ADA-COMPLIANT MORTISE THUMB TURN PRIVACY LOCK WITH OCCUPANCY INDICATOR; EXTERIOR UNLOCKED EXCEPT WHEN LOCKED BY THUMB TURN OR KEY; NOTE 8; EXCEPTION FOR OCCUPANCY INDICATOR LOCK IN LIEU OF STANDARD KEYPAD LOCK (#04) PERMITTED ONLY WHEN ADJACENT HALLWAY IS SECURED BY A KEYPAD LOCK FROM THE LOBBY.
	THUMB TURN	SCHLAGE	09-509xL583-363	626 SATIN CHROMIUM	ADA-COMPLIANT THUMB TURN
	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
05 PASSAGE	SILENCERS	IVES	SR64	GRAY	
	BUTT HINGE (3)	HAGER	BB1191 ANSI A2112 4.5x4.5	626 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	626 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 STOP/HOLDER	GLYNN-JOHNSON	410H	630 SATIN STAINLESS STEEL	OVERHEAD CONCEALED COMBINED STOP/HOLDER 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	
	BUTT HINGE (2)	HAGER	BB1191 ANSA A5112 NRP 4.5x4.5	630 SATIN STAINLESS STEEL	
	POWER TRANSFER HINGE (1)	HAGER	BB1191 ANSI A5112 ETW 4.5 x 4.5	630 SATIN STAINLESS STEEL	4-CONDUCTOR THROUGH-WIRE POWER TRANSFER HINGE
09 EGRESS	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	
	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
14 TRASH ENCLOSURE GATE			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)	ABBEEY TRADING	081-368-1	GALVANIZED STEEL	OR EQUAL
	BOLTS AND MISC. HARDWARE	---	---	STAINLESS STEEL	
	BUTT HINGE (3)	HAGER	BB1191 4.5x4.5 L1 NRP	BLACK	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
16 EMPLOYEE ENTRANCE	LEVERS (2)	SCHLAGE	SPARTA	626 SATIN CHROMIUM	
	SILENCERS	IVES	SR64	GRAY	
	CLOSER	LCN	4111-3077/CNS	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 SCHEДУLED 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.			

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PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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DOOR HARDWARE SCHEDULE

02/04/2022

SHEET

A3.2.2

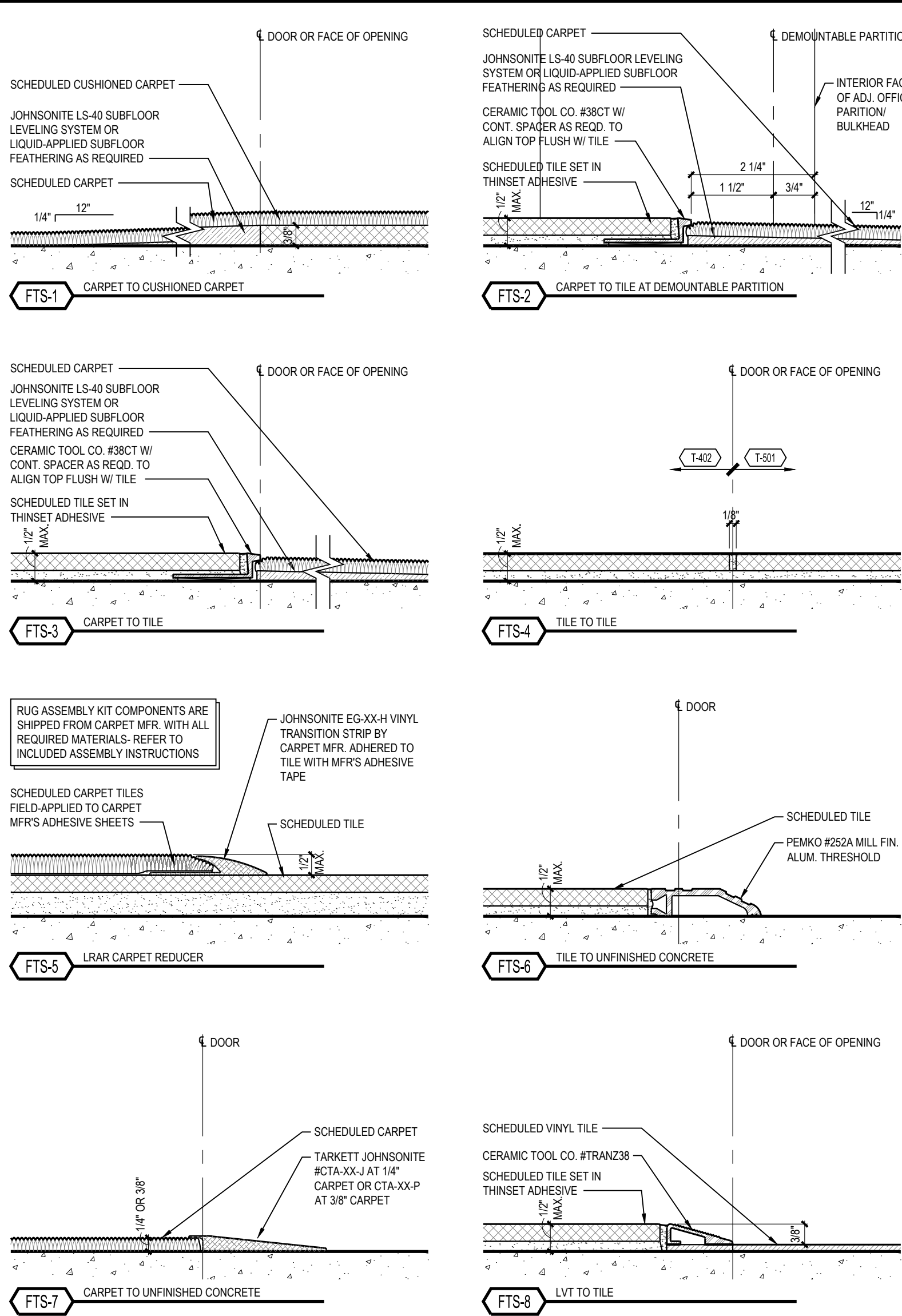


INTERIOR FINISH SCHEDULE		
TRANSACTION VESTIBULE		
FLOOR- FIELD TILE	T-501	
WALK-OFF MAT	CPT-302	
WALL BASE	WB-402	
ATM WALL	WC-402	
WALLS (NON-ATM)	PT-500	
SUSPENDED GRID CEILING	ACT-4	
SOFFITS- FACE AND BOTTOM	PT-500	
LIGHT FIXTURES- GENERAL	L-500	
ILLUMINATED OCTAGON	PREFERRED	
LOBBY AND CORRIDOR		
FLOOR- FIELD TILE	T-501	
WALL BASE	WB-402	
WALLS - GENERAL	PT-500	
WALL - CAFÉ / COMMUNITY WALL	PT-311 (NOTE 13)	
WALL - ATM	PT-501	
SUSPENDED GRID CEILING	ACT-4	
GYPSUM 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-601	
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)	
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	
SCRIM	WT-20	
CASUAL AND PRIVATE CONSULTATION SPACE (CCS, PCS)		
FLOOR - GENERAL	CPT-320	
WALL BASE	WB-402	
WALLS	PT-500	
WALLS- ACCENT	PT-501 (NOTE 12)	
WALLS - PARTIAL HEIGHT	PT-500	
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	L-410	
WINDOW SHADES: PCS / CMS (NOTE 6B)	WT-1 / WT-2	
CONFERENCE ROOM		
FLOOR - GENERAL	CPT-320	
WALL BASE	WB-402	
WALLS	PT-500	
WALLS- ACCENT	PT-501 (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- ACCENT- BOOTH	L-411	
WINDOW SHADES: PCS / CMS (NOTE 6B)	WT-1 / WT-2	

DINING ROOM TABLE		
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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	
WALL BASE	WB-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 / 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	
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LOUNGE		
FLOOR	T-402	
WALL BASE	WB-402	
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MILLWORK	PL-502	
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LADDER AREA WALLS (NOTE 6)	FRP-1	
CEILING	ACT-2 U.N.O.	
LIGHT FIXTURES	L-2 U.N.O.	
FINISH SCHEDULE NOTES:		
REFER TO INTERIOR ELEVATIONS, FLOOR PLANS, FINISH PLANS AND REFLECTED CEILING PLANS- DRAWING NOTES SUPERSEDE SCHEDULES.		
1	PAINT ALL DOORS AND FRAMES TO MATCH ADJACENT WALL COLOR IN SATIN FINISH UNLESS OTHERWISE NOTED.	
2	REFER TO FLOOR PLAN FOR DAB FLOOR FINISH	
3	PAINT FACES AND BOTTOMS OF GYPSUM BOARD BULKHEADS TO MATCH ADJACENT WALLS UNLESS OTHERWISE NOTED.	
4	LAMINATE, FABRIC OR SOLID SURFACE PROVIDED AND INSTALLED BY FURNITURE VENDOR	
5	FRP FINISH EXTENTS: * LADDER AREA: ALL WALL SURFACES BEHIND AND WITHIN 12" EACH SIDE OF LADDER, SIDE WALLS WITHIN 12" OF EACH LADDER SIDE FOR A MINIMUM WITH OF 48" AND WALLS OPPOSITE LADDER WITHIN 48". 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 OR 6'-0", WHICHEVER IS GREATER- REFER TO INTERIOR ELEVATIONS.	
6A	RESTROOM WALL TILE FINISH EXTENTS: PROVIDE ONLY IF REQUIRED BY JURISDICTIONS HAVING AUTHORITY, TO THE MINIMUM HEIGHT REQUIRED, CONTINUOUS AT ALL WALLS REGARDLESS OF CODE REQUIREMENT- REFER TO INTERIOR ELEVATIONS.	
6B	ROLLER SHADE FABRIC SELECTION VARIES BY REGION AND CLIMATE- VERIFY SELECTION WITH OWNER; ALL CONFERENCE ROOMS TO RECEIVE DOUBLE ROLLER SHADE WT-7.	
7	3/4" x 4' x 8' HIGH FIRE-RETARDANT PLYWD ON GWB IN DATA RM PER PLAN- PAINT PT-207 (RATED LABEL TO BE VISIBLE)	
8	PAINT INTERIOR DIFFUSERS, REGISTERS AND LOUVERS TO MATCH ADJACENT SURFACE	
9	PAINT LOBBY FACING PCS SOFFITS ACCENT PAINT WHEN INSTALLING CPC LETTERSET UNLESS OTHERWISE NOTED.	

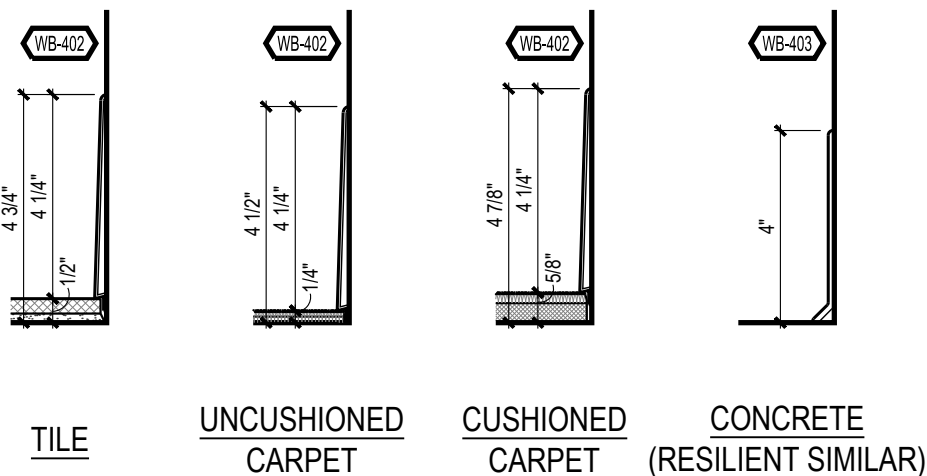
10	INSTALL FINISH CEILING GRID AS HIGH AS POSSIBLE IN UTILITY SPACES
11	DEMOUNTABLE PARTITION SYSTEMS: ARTWORK / MARKETING NOT TO BE INSTALLED ON WALL, UNLESS OTHERWISE NOTED. REFER TO PROTOTYPE SET FOR ACCENT PAINT LOCATION(S)
12	ACCENT WALLS: * EXTENTS: ACCENT PAINTS TO TERMINATE AT INTERIOR CORNER(S), UNLESS OTHERWISE NOTED. * LOCATION: PLANS WITH GYPSUM WALL IN MEETING SPACES- REFER TO FLOOR PLAN AND ELEVATIONS
13	* FINISH: DARK ACCENT PAINT(S) REQUIRE LEVEL 5 FINISH
14	JANITOR ROOM SHALL UTILIZE TILE FLOORING, PER FINISH SCHEDULE
15	WINDOW SHADE ENCLOSURES AND POCKETS: * WINDOW SHADE HOUSINGS AND POCKETS: INTEGRATED WITH 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-MOUNT WINDOW SHADE HOUSINGS SHALL BE PROVIDED BY THE WINDOW SHADE VENDOR. FINISH SHALL MATCH THE STOREFRONT GLAZING SYSTEM FINISH.

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

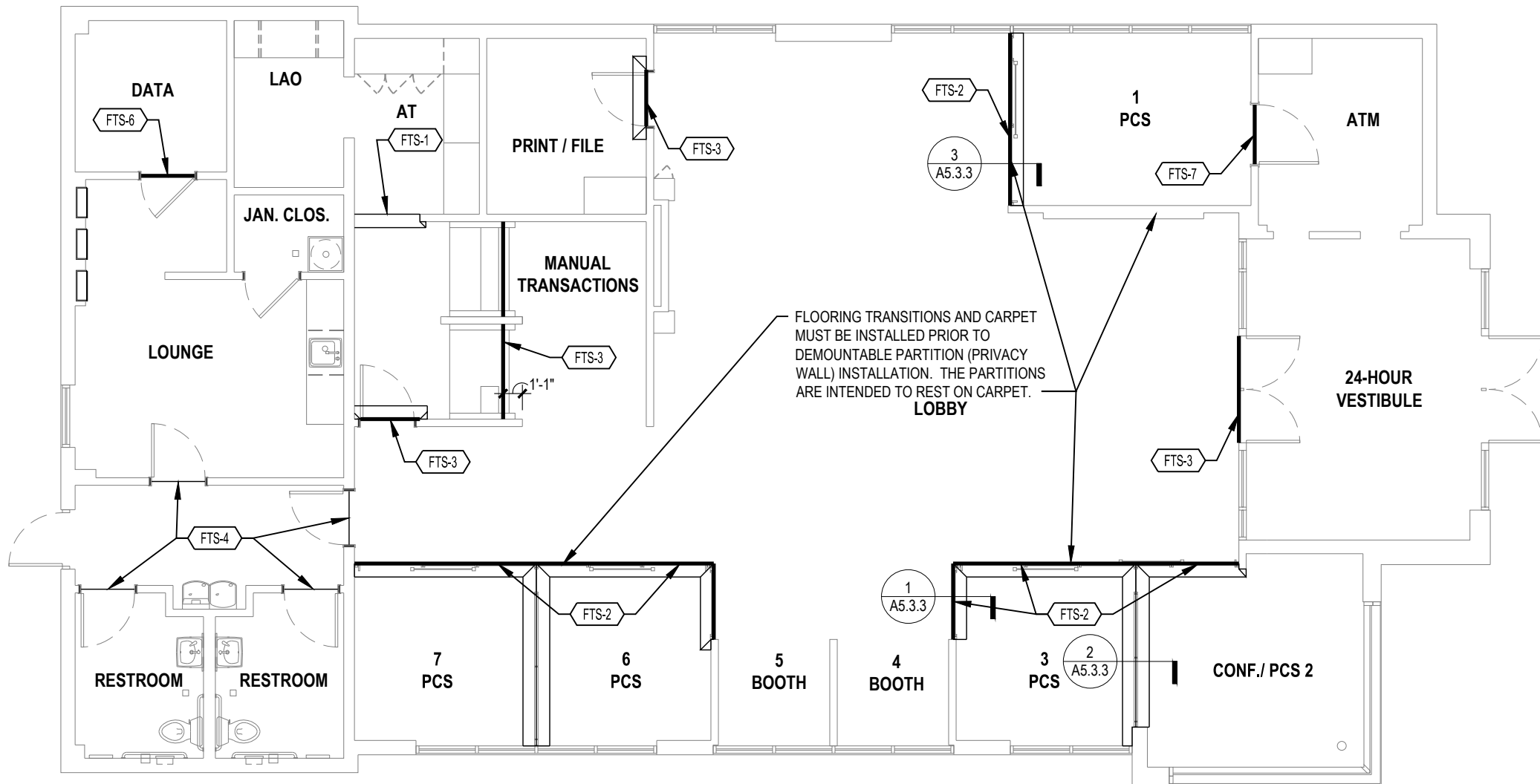


2  
A3.3.1  
FLOORING TRANSITION TYPES  
6" = 1'-0"

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>
BLACK AND VEATCH (ROOFTOP SOLAR)	CHRIS ROGGE	913-458-8110	<a href="mailto:RoggeC@tv.com">RoggeC@tv.com</a>
BROOKSIDE VENEERS	KEVIN HALL	718-369-0526	<a href="mailto:kevinh@brooksideveneers.com">kevinh@brooksideveneers.com</a>
CARRIER-PRIMARY CONTACT	STEVE OWENS	---	<a href="mailto:STEPHEN.OWENS@Carrier.com">STEPHEN.OWENS@Carrier.com</a> <a href="mailto:Strategic.Accounts1@Carrier.ultc.com">Strategic.Accounts1@Carrier.ultc.com</a>
CBBE	KRISTI FRANKS	770-342-8272	<a href="mailto:Kfranks@cbbe.net">Kfranks@cbbe.net</a>
CERTAINTEE	LOCAL DISTRIBUTOR	---	---
CORONADO STONE	DERRICK JOHNSON	909-961-8922	<a href="mailto:derrick@coronado.com">derrick@coronado.com</a>
GENERAL SUPPORT	---	---	<a href="mailto:JPMCcontrols@gecurrent.com">JPMCcontrols@gecurrent.com</a>
DAINTREE B.M.S. (CURRENT BY GE)	BOB FLANNERY	312-650-6554	<a href="mailto:robert.flannery@gecurrent.com">robert.flannery@gecurrent.com</a>
DESIGN TEX	TRAVIS LYNCH	216-212-7558	<a href="mailto:Travis.Lynch@gecurrent.com">Travis.Lynch@gecurrent.com</a>
EMSER	JULIE BRINKWORTH	800-221-1540	<a href="mailto:jbrinkworth@designitex.com">jbrinkworth@designitex.com</a>
FSG	AMBER SHOWALTER	323-650-2000	<a href="mailto:chase@emser.com">chase@emser.com</a>
GORDON, INC.	ISAAH RAMDEEN	(888) 671-4074	<a href="mailto:jpmc@fsg.com">jpmc@fsg.com</a>
CHASE GTI /V SCREENS	ERIC MAU	847-797-1010	<a href="mailto:eric@mauinc.com">eric@mauinc.com</a>
HARVEY CEMENT PRODUCTS, INC.	CLAYTON COCHRAN	---	<a href="mailto:Niche_Check@pmchase.com">Niche_Check@pmchase.com</a>
HINES, INC.	ELLICE HERMAN CRAIG KIRK	708-833-1900 708-822-3907	---
INTERFACE FLOR	NATE HINES	870-233-7925 480-710-7474	<a href="mailto:nate@hinesinc.com">nate@hinesinc.com</a>
JOHNSONITE	JOE FOLEY	312-961-7046	<a href="mailto:joe.foley@interface.com">joe.foley@interface.com</a>
LLUMAR	SCOTT CURRY USA 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:cfreeburger@mapes.com">cfreeburger@mapes.com</a> <a href="mailto:nationalaccounts@mapes.com">nationalaccounts@mapes.com</a>
MATTHEWS PAINT	LOCAL DISTRIBUTOR	---	---
MOMENTUM TEXTILES	MEGAN CUDA	800-433-0790 EXT.1113	<a href="mailto:mcuda@momtext.com">mcuda@momtext.com</a>
NICHIIHA FIBER CEMENT	ADAM COSSICK	770-070-0011	<a href="mailto:chase@nichiiha.com">chase@nichiiha.com</a>
NEVAMAR	LOCAL DISTRIBUTOR	---	---
NORTON INDUSTRIES, INC.	ALEXANDRA SCOTT	216-228-6650	<a href="mailto:alexandra@nortonceilings.com">alexandra@nortonceilings.com</a>
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@sboglobal.net">arosul@sboglobal.net</a>
QMI SECURITY SOLUTIONS	KEVIN BECERRA	800-446-2500	<a href="mailto:kbecerra@qmusa.com">kbecerra@qmusa.com</a>
ROLL-A-SHADE	DEANNA MCCOY	951-245-5077	<a href="mailto:Deanna.McCoy@RollAShade.com">Deanna.McCoy@RollAShade.com</a>
SBEMCO	DEB WOLFE	515-295-3902 X18	<a href="mailto:dwolfe@mattingbydesign.com">dwolfe@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>
TELEPRESENCE (CHASE GTI)	TODD YORK	972-324-8100	<a href="mailto:todd.york@jpmorgan.com">todd.york@jpmorgan.com</a>
TRANE	NATL. ACCOUNT REP.	630-400-4285 630-200-7155	<a href="mailto:JPMorganChase@trane.com">JPMorganChase@trane.com</a>
TELLEREX	MELISSA DORMAN BRIAN LECHLINER	888.395.0170	<a href="mailto:melissa.dorman@tellerex.com">melissa.dorman@tellerex.com</a> <a href="mailto:brian.lechliner@tellerex.com">brian.lechliner@tellerex.com</a>
USG	BLAKE PANNO	515-707-9179	<a href="mailto:bpanno@usg.com">bpanno@usg.com</a>
WASTE WISE PRODUCTS, INC	PAUL DECONINCK	877-680-8361	---
WEATHERMATIC	PARRY WEBB	972-9262193	<a href="mailto:Parry.webb@weathermatic.com">Parry.webb@weathermatic.com</a>
WILSONART	LOCAL DISTRIBUTOR	---	---



3  
A3.3.1  
TYP. WALL BASE  
3" = 1'-0"



1  
A3.3.1  
FLOORING TRANSITION PLAN  
1/8" = 1'-0"

PREPARED BY:  
**EBI Consulting**

ENVIRO BUSINESS, INC.  
21 B Street | Burlington, MA 01803  
Tel: (781) 273-2500 | [www.ebiconsulting.com](http://www.ebiconsulting.com)

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SIGNED BY:



6/1/2022

PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS

**CHASE**

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

CONTENTS

INTERIOR FINISH SCHEDULE  
FLOOR TRANSITION TYPES, TRANSITION  
PLAN, AND FINISHES SCHEDULE  
VENDOR CONTACTS  
WALL BASE DETAILS

SHEET

A3.3.1



INT. FIN. MATERIALS SCHEDULE

PAINT		
PT-311	ACCENT PAINT- NAVY	
	MFR.	BENJAMIN MOORE
	PRODUCT	ULTRA SPEC SCUFF-X
	PRODUCT NUMBER	OLD NAVY #2063-10
	FINISH	MATTE (484)
PT-500	GENERAL WALL/ CEILING PAINT	
	MFR.	BENJAMIN MOORE
	PRODUCT	AURA WATERBORNE INTERIOR PAINT
	COLOR	CLOUD WHITE #CC-40
	FINISH	EGGSHELL FINISH S24 (WALLS)
PT-501	ACCENT WALL PAINT- GREY	
	MFR.	BENJAMIN MOORE
	PRODUCT	AURA WATERBORNE INTERIOR PAINT
	COLOR	HEARTHSTONE #1601
	FINISH	EGGSHELL FINISH S24 (WALLS)
WALL FINISHES		
WC-402	WALLCOVERING AT ATM WALL	
	MFR.	MOMENTUM TEXTILES
	PRODUCT	RECORE 'BACCARAT'
	COLOR	BASALT #NA-4C-JPM501
	WIDTH	53" ROLLED MATERIAL
FRP-1	FIBERGLASS-REINFORCED PLASTIC PANELING	
	MFR.	CRANE COMPOSITES
	PRODUCT	GLASBORD PIF
	FINISH	84 IVORY
	LOCATIONS	JANITOR CLOSET / LADDER ROOM
WINDOW TREATMENTS		
WT-1	MOTORIZED ROLLING SHADE (5% OPENNESS FACTOR)	
	VENDOR / INSTALLER	LUMENOMICS
	PRODUCT	SHEER WEAVE 2000
	SHADE COLOR	WHITE PLATINUM P05
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE
WT-1 ALT	MOTORIZED ROLLING SHADE (5% OPENNESS FACTOR)	
	VENDOR / INSTALLER	ROLL-A-SHADE
	PRODUCT	SHEER WEAVE 2000
	SHADE COLOR	WHITE PLATINUM P05
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE
WT-2	MOTORIZED ROLLING SHADE (3% OPENNESS FACTOR)	
	VENDOR / INSTALLER	LUMENOMICS
	PRODUCT	SHEER WEAVE 2410 P14
	SHADE COLOR	PEARL GREY / OYSTER
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE
WT-2 ALT	MOTORIZED ROLLING SHADE (3% OPENNESS FACTOR)	
	VENDOR / INSTALLER	ROLL-A-SHADE
	PRODUCT	SHEER WEAVE 2410 P14
	SHADE COLOR	PEARL GREY / OYSTER
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE
WT-4	FROSTED WINDOW FILM	
	MFR.	LLUMAR
	PRODUCT	NRM PS2
	COLOR	FROSTED 69% TRANSMITTANCE
	USES	AT CLOSED VESTIBULE GLAZING ADJACENT TO BANKER CUBICLES
WT-5	MANUAL ROLLING SHADE (5% OPENNESS FACTOR)	
	VENDOR / INSTALLER	LUMENOMICS
	PRODUCT	SHEER WEAVE 2000
	SHADE COLOR	WHITE PLATINUM P05
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE

WT-5 ALT	MANUAL ROLLING SHADE (5% OPENNESS FACTOR)	
	VENDOR / INSTALLER	ROLL-A-SHADE
	PRODUCT	SHEER WEAVE 2000
	SHADE COLOR	WHITE PLATINUM P05
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE
WT-6	MANUAL ROLLING SHADE (3% OPENNESS FACTOR)	
	VENDOR / INSTALLER	LUMENOMICS
	PRODUCT	SHEER WEAVE 2410 P14
	SHADE COLOR	PEARL GREY / OYSTER
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE
WT-6 ALT	MANUAL ROLLING SHADE (3% OPENNESS FACTOR)	
	VENDOR / INSTALLER	ROLL-A-SHADE
	PRODUCT	SHEER WEAVE 2410 P14
	SHADE COLOR	PEARL GREY / OYSTER
	HOUSING	REFER TO INTERIOR FINISH SCHEDULE
WT-7	DOUBLE-ROLLER SHADE	
	VENDOR / INSTALLER	LUMENOMICS
	PRODUCT	MBOR
	FRONT SHADE	MATCH TYPICAL FABRIC WITHIN BRANCH, WT-1 OR WT-2
	BACK SHADE	INDIANA COATED GRAY (OPAQUE)
WT-7 ALT	DOUBLE-ROLLER SHADE	
	VENDOR / INSTALLER	ROLL-A-SHADE
	PRODUCT	MBOR
	FRONT SHADE	MATCH TYPICAL FABRIC WITHIN BRANCH, WT-1 OR WT-2
	BACK SHADE	INDIANA COATED GRAY (OPAQUE)
WT-8	FIELD-APPLIED SPANDREL FILM	
	VENDOR / INSTALLER	3M
	PRODUCT	SCOTCHCAL GRAPHIC FILM
	COLOR	3630-51, SILVER
	USES	GENERAL CONTRACTOR
WT-20	MOTORIZED ROLLING TELLER SCRIM (OPAQUE)	
	VENDOR / INSTALLER	LUMENOMICS
	PRODUCT	MOBR INTERIOR SUN CONTROL FABRICS PHIFER SHEAR WEAVE 7100
	SHADE COLOR	WHITE P-02
	ENCLOSURE COLOR	ANODIZED ALUMINUM - PAINT TO MATCH ADJACENT FINISHES
WT-20 ALT	MOTORIZED ROLLING TELLER SCRIM (OPAQUE)	
	VENDOR / INSTALLER	ROLL-A-SHADE
	PRODUCT	MOBR INTERIOR SUN CONTROL FABRICS PHIFER SHEAR WEAVE 7100
	SHADE COLOR	WHITE P-02
	ENCLOSURE COLOR	ANODIZED ALUMINUM - PAINT TO MATCH ADJACENT FINISHES
WT-11	SPANDREL GLAZING (SPECIAL- CASE USE ONLY)	
	MFR.	VIRACON
	PRODUCT	VIRAPSAN
	COLOR	MEDIUM GRAY
	NOTES	LEAD FREE

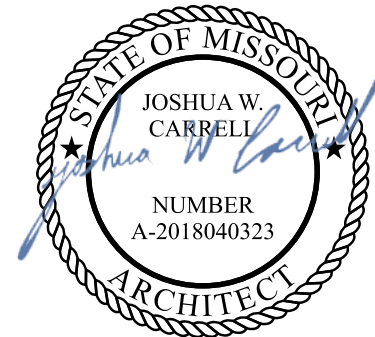
GF-300	DISTRACTION BANDING	
	MFR.	DESIGNTEX
	PRODUCT	#146504
	FURNISHED BY	EMPIRE
	NOTES	APPLIED TO ALL FULL HEIGHT GLASS PARTITIONS STOREFRONT- INSTALLED 30" AFF (44" TALL BAND)
TRIM		
WB-402	VINYL WALL BASE- STRAIGHT- AREAS WITH FLOORING	
	MFR.	JOHNSONITE
	PRODUCT	TIGHTLOCK
	COLOR	20 CHARCOAL WG
	PROFILE	4 1/2" STRAIGHT (TOELESS)
WB-403	VINYL WALL BASE- COVE- AREAS WITH EXPOSED SLAB	
	MFR.	JOHNSONITE
	PRODUCT	TRADITIONAL WALL BASE
	COLOR	20 CHARCOAL WG
	PROFILE	4" COVE
MILLWORK SURFACES		
SS-300	SOLID SURFACE MATERIAL	
	DESCRIPTION	1/2" ACRYLIC SOLID SURFACE WITH EASED EDGES
	MFR.	DUPONT CORIAN
	COLOR	SILVER BIRCH
	USES	WINDOW SILLS & MILLWORK SURFACES
PL-502	MILLWORK LAMINATE	
	DESCRIPTION	PLASTIC LAMINATE
	MFR.	WILSONART
	COLOR	NATURAL RECON 7996-38
	USES	MILLWORK, CHECK DESK
PL-503	MILLWORK LAMINATE	
	DESCRIPTION	PLASTIC LAMINATE
	MFR.	WILSONART
	COLOR	LECHE VESTA 4987K-07
	USES	BOH MILLWORK COUNTER SURFACE
WD-502	WOOD ACCENT	
	DESCRIPTION	ENGINEERED PLANK, RAKED PROFILE
	MFR.	PIONEER MILLWORKS
	PRODUCT	MODERN FARMHOUSE- CLEAN ASH
	SIZE	5 1/2" X 5/8", FCS MIX
WD-501	VENEER PANELS	
	MFR.	BROOKSIDE VENEERS
	PRODUCT	10.84 UNFINISHED
	SPECIES	PLANKED SLAVONY OAK
	FINISH	CLEAR MATTE UV INHIBITOR, LOW VOC FLAT ACRYLIC POLYURETHANE
CPT-302	WALK-OFF MAT	
	MFR.	SBEMCO / MATTING BY DESIGN
	PRODUCT	ULTRA DRY PCR PET
	COLOR	PUMICE #620
	SIZE	PER PLAN
CPT-320	GENERAL CARPET	
	MFR.	INTERFACE
	PRODUCT	HARMONIZE
	COLOR	GRAVEL 104043
	SIZE	25CM X 1M TILE

CPT-321	MANUAL TRANSACTION AREA CARPET	
	MFR.	INTERFACE
	PRODUCT	HARMONIZE
	COLOR	GRAVEL 104043
	SIZE	25CM X 1M TILE
AREA RUGS		
LRAR-4	FLOATING CARPET- NAVY	
	MFR.	INTERFACE
	PRODUCT	HAPTIC
	COLOR	INDIGO
	SIZE	PER PLAN
T-402	RESTROOM WALL & FLOOR TILE/ LOUNGE	
	MFR.	STONE SOURCE
	PRODUCT	CREOS
	COLOR	DORIAN
	FINISH	NATURAL FINISH
T-501	GENERAL FLOOR TILE	
	MFR.	STONE SOURCE
	PRODUCT	CREOS
	COLOR	DORIAN
	FINISH	NATURAL FINISH
MISCELLANEOUS FLOORING		
SC	CONCRETE FLOOR PAINT (NON-CUSTOMER AREA)	
	MFR.	SHERWIN WILLIAMS
	PRODUCT	TREAD-PLIX 100% ACRYLIC WATER BASED FLOOR COATING
	COLOR	DECK GRAY
	FINISH	SEMI-GLOSS, SLIP-RESISTANT
ACOUSTIC CEILING TILE AND GRID		
ACT-2	ACOUSTICAL CEILING (NON-CUSTOMER AREAS)	
	MFR.	USG
	PRODUCT	MARS CLIMAPLUS HIGH-NRC (ITEM NO. 87100)
	COLOR	WHITE
	SIZE	24"x24"x7/8"
ACT-4	ACOUSTICAL CEILING (CUSTOMER AREAS)	
	MFR.	USG
	PRODUCT	MARS HIGH-NRC LOGIX CLIMAPLUS PERFORMANCE FIELD AND CHANNEL PANELS
	COLOR	WHITE
	SIZE	48" x 48" x 1" FIELD PANELS (#80281) AND 4"x48"x1" CHANNEL PANELS (#80268)

REGIONAL WINDOW SHADE FABRICS		
MIDWEST REGION	3% OPENNESS FACTOR	5% OPENNESS FACTOR
ILLINOIS		X
INDIANA		X
IOWA		X
KANSAS		X
MICHIGAN		X
MINNESOTA		X
MISSOURI		X
NEBRASKA		X
OHIO		X
NORTH DAKOTA		X
SOUTH DAKOTA		X
WISCONSIN		X
NORTHEAST REGION	3% OPENNESS FACTOR	5% OPENNESS FACTOR
CONNECTICUT		X
MAINE		X
MASSACHUSETTES		X
NEW HAMPSHIRE		X
NEW JERSEY		X
NEW YORK		X
PENNSYLVANIA		X
RHODE ISLAND		X
VERMONT		X
SOUTH REGION	3% OPENNESS FACTOR	5% OPENNESS FACTOR
ALABAMA	X	
ARKANSAS	X	
NORTH CAROLINA	X	
SOUTH CAROLINA	X	
DELAWARE		X
FLORIDA	X	
GEORGIA	X	
KENTUCKY		X
LOUISIANA	X	
MARYLAND		X
MISSISSIPI	X	
OKLAHOMA	X	
TENNESSEE		X
TEXAS	X	
VIRGINIA		X
WASHINGTON D.C.		X
WEST VIRGINIA		X
WEST REGION	3% OPENNESS FACTOR	5% OPENNESS FACTOR
ARIZONA	X	
CALIFORNIA	X	
COLORADO	X	
IDAHO		X
MONTANA		X
NEVADA	X	
NEW MEXICO	X	
OREGON		X
UTAH	X	
WASHINGTON		X
WYOMING		X

PREPARED BY:

SIGNED BY:



6/1/2022

PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS



PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

CONTENTS

INTERIOR FINISH MATERIALS  
REGIONAL WINDOW SHADE FABRICS

02/04/2022

SHEET

A3.3.2



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	LOGY HEIGHT ADJUSTABLE DESK	EMPIRE		STEELCASE	LOGY	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				■						

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	6-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	ARCTIC WHITE				■						■
	BT4-B	LOUNGE TABLE, 48" DIA.	EMPIRE	FT-14 48	STEELCASE	853600	ARCTIC WHITE				■						■
	BT4-C	LOUNGE TABLE, 60x35	EMPIRE	FT-14 60X35	STEELCASE	853600	ARCTIC WHITE				■						■
	BS	LOUNGE CHAIR	EMPIRE	FS-14	TURNSTONE	TS37101	BLACK										■
---	TALL KITCHEN TRASH RECEPTACLE	CHASE BP GROUP	---	---	---	---	---	■					■				■
JANITOR'S CLOSET / GENERAL STORAGE	WS-1	WIRE SHELVING - HANG TRACK	---	---	CLOSETMAID	282400, 282600, 283600	WHITE			■							■
		WIRE SHELVING - STANDARD	---	---	CLOSETMAID	280000, 280100, 280800, 281200, 280400	WHITE			■							■
		WIRE SHELVING - 12" SHELF ("SUPERSLIDE")	---	---	CLOSETMAID	471400, 471700, 471800, 471900	WHITE			■							■
		WIRE SHELVING - 12" BRACKET	---	---	CLOSETMAID	5285300	WHITE			■							■
		WIRE SHELVING - 16" SHELF ("CLOSE MESH")	---	---	CLOSETMAID	139500, 3731800	WHITE				■						■
		WIRE SHELVING - 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-2	STOOL-CAFÉ HEIGHT	EMPIRE		GORDON	FORMULA	BLACK MATTE FRAME, UPHOLSTERY: DESIGNTEX: SPANDAU- COGNAC				■						■
	TP	TELEPRESENCE SIDE TABLE- LIVING ROOM	GTI		SALAMANDER	CUSTOM	BLACK PAINTED OAK			■							■
	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				■						■
MISC.	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				■						■
	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				■						■
	---	---	---	---	---	---	---										■
MANUAL TRANSACTIONS	MST-3	MANUAL TRANSACTION MODULE - MST	EMPIRE	TC 1M	STEELCASE	CUSTOM	QUARTER CUT OAK COMPOSITE				■						■
	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			■							■

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SIGNED BY:



6/1/2022

**PRYOR ROAD &  
LOWENSTEIN DRIVE**

**908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081**

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS



**PRYOR & LOWENSTEIN**  
PROTOTYPE VERSION 20.4

CONTENTS

FURNITURE SCHEDULE

02/04/2022

SHEET

**A3.4.1**



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	FURN VENDOR
BE-01A	ATM, WALK-UP, EXTERIOR, THROUGH-WALL	HYOSUNG	MX 7800 TR	---	1522 LB	120V / 20A DED.			■						■				
	ATM SURROUND	SIGNAGE VENDOR	SUR-TTW-U-4	---	NA	120V / 3A				■						■			2
BE-01B	ATM, WALK-UP, INTERIOR, THROUGH-WALL	HYOSUNG	MX 7800 TR	---	1522 LB	120V / 20A DED.			■						■				
	ATM SURROUND	SIGNAGE VENDOR	SUR-TTW-U-4	---	NA	120V / 3A				■						■			2
BE-02A	ATM, DRIVE-UP, ISLAND	HYOSUNG	MX 7800 IR	---	1918 LB	120V / 30A DED.			■						■				
BE-02B	ATM, DRIVE-UP, THROUGH-WALL	HYOSUNG	MX 7800 DR	---	1852 LB	120V / 20A DED.			■						■				
	ATM SURROUND	SIGNAGE VENDOR	SUR-TTW-U-4-1P	---	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-LL/R/L	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-L2L/R2L	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 L/R	S.S. / TAUPE	1886 LB	120V / 4A													4
BE-11	VACUUM AIR TUBE	DIEBOLD	VAT 30 GX 89G- 13	---	---	120V / 20 A DED.					■							■	
		DIEBOLD	42 - 15163	---	---	120V / 20 A DED.					■							■	
BE-12	CASH RECYCLER	HYOSUNG	MS500	---	970 LB	120V / 12 A DED.			■				■		■				
		GLORY	RBG-100	---	550 LB	120V / 6 A DED.			■										
	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	271-95 + 20530 + 20531 + (2) 20532 + (12) P-1500-CTK	BLACK	2922 LB	NONE					■							■	4
		HAMILTON	14-123 L/R + (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 L/R + (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 L/R	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 L/R	BLACK	4870 LB	NONE					■							■	4, 6, 7, 12
		HAMILTON (MIXED)	14-125 L/R	BLACK	4430 LB	NONE													
BE-15	ATM, WALK-UP, LOBBY (V2.5.5)	HYOSUNG	MX 8700 QT	---	2094 LB	120V / 12 A DED.			■						■				10, 14
BE-15A	ATM, WALK-UP, LOBBY (V3.0)	HYOSUNG	MX 8200 QT	---	1432 LB	120V / 12 A DED.			■						■				14
	POWER TRANSITION BOX	HYOSUNG	59920008200-5.5 (WALL) NH-1808 (FREESTANDING)	---	NA	NONE			■						■			■	
BE-15B	ATM, WALK UP, MICRO	HYOSUNG	MX 8100 QTN	---	1050 LB (fully loaded)	120V / 12 A DED.			■						■				14
	POWER TRANSITION BOX	HYOSUNG	59920008200-5.5 (WALL) NH-1808 (FREESTANDING)	---	NA	NONE			■						■			■	
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 L/R	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 L/R + (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	B.O. 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-ADJUSTEMENT 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	NOT USED																		
14	ATM VENDOR TO PROVIDE AND INSTALL SCREEN LOCKING BRACKETS TO MAINTAIN SCREEN POSITION WITH ALL OPERABLE PARTS WITHIN ACCESSIBLE REACH RANGE.																		

Development Services Dept  
Lee's Summit, Missou  
07/21/2022

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STATE OF MISSOURI

JOSHUA W. CARRELL

NUMBER A-2018040323

ARCHITECT

6/1/2022

PRYOR ROAD & LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS

CHASE

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

CONTENTS

BANK EQUIPMENT SCHEDULE

02/04/2022  
SHEET

A3.4.2

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6/1/2022

PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

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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) - B/W	LEXMARK	24T7401	PUTTY	■				■				
	SWIVEL BASE	LEXMARK	40G0855	BLACK	■				■				
	5.1" SPACER	LEXMARK	40G0854	PUTTY	■				■				
	550 SHEET DRAWER	LEXMARK	40G0802	PUTTY	■				■				
OE-01-C	MULTI-FUNCTIONAL DEVICE (MFD) - COLOR	LEXMARK	42K0177	PUTTY	■				■				
	SWIVEL BASE	LEXMARK	21K2501	BLACK	■				■				
	5.1" SPACER	LEXMARK	40G0854	PUTTY	■				■				
	550 SHEET DRAWER	LEXMARK	21K0567	PUTTY	■				■				
OE-02	NOT USED												
OE-03	MICR ST921 PRINTER	LEXMARK	K101-0010000	---	■				■				
	MICR ST921 LOCKING DRAWER	LEXMARK	ST921	---	■				■				
	MICR 9720 UNDERCOUNTER STAND	BRETFORD	CK15-BK	BLACK	■				■				
OE-04	ADA MONITOR & KEYBOARD STAND	HUMANSCALE	QSLBHD	BLACK				■				■	
OE-05	NOT USED												
OE-06	23" MONITOR AND STAND	HP	1FH40A8#ABA	SILVER	■				■				ALL MONITORS EXCEPT AST
	PRIVACY SCREEN FILTER	TARGUS	AST127MGLZ	---	■				■				
	SOUND BAR	TBD	TBD	WHITE	■				■				
OE-07	TELLER CPU	HP	5GP85US#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	BLACK				■					
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	TARGUS	AST127MGLZ	---	■				■				
	SOUND BAR	TBD	TBD	WHITE	■				■				
OE-15	VDI TERMINAL	HP	4DT99UC#ABA-CUSTCHS	SILVER	■				■				
	VDI TERMINAL ADAPTER			---	■				■				
OE-16	WIRELESS KEYBOARD AND MOUSE	DELL/ LENOVO	580-ADTY	BLACK/SILV ER	■				■				
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	NOT USED												
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-CHG	BLACK	■				■				ONLY USED IN BOOTHS

OFFICE EQUIPMENT BY PROGRAMMATIC ELEMENT				
PROGRAMMATIC ELEMENT				
ABBREV.	DESCRIPTION	TAG	QTY.	DESCRIPTION
MST	MERCHANT SERVICES TELLER,	OE-06	1	23" MONITOR AND STAND
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-07	1	TELLER CPU
PST	PERSONAL SERVICES TELLER, OR	OE-08	1	WIRED KEYBOARD & MOUSE
AT	ACCESS TELLER	OE-10	1	WIRE MANAGEMENT KIT
		OE-04	1	ADA MONITOR & KEYBOARD STAND (NOTE 1)
AST	ACCESSIBLE SERVICES TELLER	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
			1	SOUND BAR
		OE-05	1	KEYBOARD TRAY
LAO	LEAD ASSOCIATE OPERATIONS	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
		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 (NOTE 1)
			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
PCS	PRIVATE CONSULTATION SPACE	OE-06	1	23" MONITOR
			1	PRIVACY SCREEN FILTER
			1	SOUND BAR
		OE-12	1	MONITOR ARM (NOTES 1, 2, 4)
			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 (NOTE 1)
			1	VDI TERMINAL (NOTE 3)
		OE-15	1	VDI TERMINAL ADAPTER
			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 ARMS AND ADA MONITOR AND KEYBOARD STAND 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.			

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		■				■			
ME-05	EXTERIOR WASTE RECEPTACLE	RUBBERMAID	FGS3ETBKPL	BLACK		■				■			
ME-06	ANCHOR KIT	HILTI	3.3.8 KWIK Bolt 3	N/A		■				■			
ME-06	MUSIC PLAYER AND SPEAKERS	MOOD MEDIA	PROFUSION IS	BLACK	■				■				
ME-07	WIRELESS SDB SERVICE ENUNCIATOR SYSTEM	NUTONE	LA223WH			■				■			LOCATE IN PRINT/FILE ROOM
ME-08	DUAL-CONTROL KEY BOX	BLOCK AND COMPANY	STEELMASTER #201SP8801	GRAY	■					■			'OR EQUAL' SUBSTITUTIONS PERMITTED BASED ON LOCAL AVAILABILITY. INSTALL 1 PUSH BUTTON AT EACH SDB VIEWING STATION. DELIVER ENUNCIATOR TO CHASE REAL ESTATE PROJECT MANAGER AT PROJECT CLOSE-OUT. MOUNT BUTTON 44" A.F.F.
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 WHTE 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-10	NEW YORK CITY RECYCLING COMPONENTS												REQUIRED AT NEW YORK CITY PROJECTS ONLY
	ME-10A: TRIPLE-COMPARTMENT REFUSE BIN	WASTE WISE PRODUCTS INC.	RC-1528-3-SS WITH CUSTOM LABELS			■				■			NYC PROJECTS ONLY- ONE REQD. AT EACH VESTIBULE AND LOBBY OR SIMILAR AREA. CUSTOM LABELS: PAPER, TRASH, METAL/GLASS/PLASTIC
	ME-10B: RECYCLING INSTRUCTIONAL SIGN	NA	NA	NA	■					■			NYC PROJECTS ONLY- REQUIRED AT EACH ME-10B TRIPLE-COMPARTMENT BIN AND ME-10D SORTING STATION
	ME-10C: RECYCLING COMPLIANCE PLACCARD	NA	NA	NA	■					■			NYC PROJECTS ONLY; PROVIDED BY REFUSE HAULER AND INSTALLED BY J.L.L. FACILITIES
	ME-10D: 3-BIN SORTING STATION	NA	NA	NA	■					■			NYC PROJECTS ONLY; PROVIDED AND INSTALLED BY CHASE BRANCH PLANNING.
	ME-10E: TRASH BIN LABELS	NA	NA	NA	■					■			NYC PROJECTS ONLY; PROVIDED AND APPLIED BY CHASE BRANCH PLANNING TO ALL NON-RECYCLING BINS. HTTP://STORE.RECYCLEACROSSAMERICA.ORG/LABELS/TRASH-LABELS/TRASH-4X9-H TML
ME-11	TABLET CHARGING CABINET	KENSINGTON	K678625AMA-CUSTBO	BLACK	■					■			PROVIDED AND INSTALLED BY CHASE GTI
ME-12	RECESSED ATM KEY BOX	TELLEREX	RECESSED TRACCESS BOX	BLACK			■				■		KEY BOX IS PRE-PURCHASED BY OWNER. GC TO REQUEST DELIVERY BY EMAILING VENDOR CONTACTS WITH SUBJECT LINE "RECESSED TRACCESS BOX REQUEST". INCLUDE PROJECT NAME, DELIVERY ADDRESS AND CERP NUMBER IN THE BODY OF THE EMAIL

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SIGNED BY:



6/1/2022

PRYOR ROAD & LOWENSTEIN DRIVE

908 NW PRYOR ROAD

LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS

CHASE

PRYOR & LOWENSTEIN

PROTOTYPE VERSION 20.4

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02/04/2022

SHEET

A3.4.3



PLUMBING FIXTURE SCHEDULE						
TAG	DESCRIPTION	COMPONENT	MANUFACTURER	MODEL	FINISH	NOTES
PF-WC	FLOOR-MOUNT WATER CLOSET	WATER CLOSET	KOHLER	K-3519/3519-RA HIGHLINE	WHITE/CHROME	
		OPEN-FRONT SEAT	KOHLER	K-4650	WHITE	
		SUPPLY	---	---	POL. CHROME	3/8" NPT RIGHT ANGLE VALVE WITH LOOSE KEY STOP AND ANNEALED CHROME-PLATED COPPER RISER
PF-LAV	WALL-MOUNT LAVATORY	LAVATORY	AMERICAN STANDARD	0356.115/137 LUCERNE	WHITE	COORD. MODEL NUMBER TO POSITION SOAP DISPENSER AT WALL-SIDE OF LAV.
		STRAINER	AMERICAN STANDARD	2411.015	POL. CHROME	WITH OVERFLOW AND TAILPIECE
		P-TRAP	---	1 1/4"	POL. CHROME	WITH ESCUTCHEON AND CLEANOUT
		FAUCET	SLOAN	EAF-200-P-ISM	POL. CHROME	WITH AC POWER ADAPTER
		SUPPLIES	---	3/8"	POL. CHROME	POL. CHROME FLEX TUBE SUPPLIES, ESCUTCHEONS AND KEY STOPS
		LAV GUARD	TRUEBRO	LAV GUARD 2 EZ-SERIES	WHITE	COVER TAILPIECE, P-TRAP, SUPPLIES AND VALVES
		SOAP DISPENSER	---	---	---	REFER TO TOILET ACCESSORIES SCHEDULE
PF-SINK	LOUNGE SINK	SINGLE-BOWL SINK	ELKAY	LRAD 202255-MR2	STAINLESS STEEL	
		STRAINER	---	3 1/2"	STAINLESS STEEL	
		P-TRAP	---	---	PVC	
		FAUCET	ELKAY	LK300OCR	POL. CHROME	INSTALL OPTIONAL 2.2GPM FLOW REGULATOR
		SUPPLIES	---	3/8"	---	FLEX HOSE SUPPLIES AND POL. CHROME KEY STOPS
PF-MOP	MOP SINK	FLOOR SINK	MUSTEE	63M	WHITE	
		FAUCET	MUSTEE	63.600A	CHROME	WITH INTEGRAL VACUUM BREAKERS
		HOSE AND BRACKET	MUSTEE	65.700	STAINLESS STL	SHORTEN HOSE TO PROVIDE AIR GAP
		MOP HANGER	MUSTEE	65.600	STAINLESS STL	
		SPLASHES	BY G.C.	FRP-1	FRP	REFER TO INTERIOR ELEVATIONS
PF-WH	DOMESTIC WATER HEATER	WATER HEATER	A.O. SMITH	EJC-10	---	OR EQUAL 10-GAL ELEC. WATER HEATER, 6kW ELEMENT, 240V/1PH ALT: TANKLESS ELECTRIC OR GAS-FIRED UNIT, SIZED AS REQD.
		WALL-MT. BRACKET / DRIP PAN	HOLDRITE	40 SWHP-W	---	MAINTAIN 81" MIN. HEADROOM CLEARANCE TO FLOOR BELOW
PF-DF	DRINKING FOUNTAIN	---	ELKAY	EZSTL8WSSK	STAINLESS STEEL	WITH BOTTLE FILLER
PF-WHB	WALL HOSE BIB	---	WOODFORD	B65	CHROME	18" ABOVE T.O. FND.
PF-RHB	ROOF HOSE BIB	---	WOODFORD	RHY1-MS	PRE-FIN. PAINT	
PF-FD	FLOOR DRAIN	FLOOR DRAIN	ZURN	415S-Y-P	NICKEL BRONZE	W/ SEDIMENT BUCKET
		TRAP SEAL	JAY R. SMITH	2692-04	---	
PF-RD1	ROOF DRAIN- LARGE	---	ZURN	ZC100-DP-VP	CAST IRON	PROVIDE PERIMETER BLOCKING TO RAISE DECK PLATE TO ROOFING LEVEL; INCLUDES DECK MOUNTING PLATE AND SECURED STRAINER
PF-RD2	ROOF DRAIN- SMALL	---	ZURN	Z181 / Z185 / Z-185-45	BRONZE	COORDINATE OUTLET SELECTION WITH FRAMING AS REQUIRED
PF-OD1	ROOF OVERFLOW- LARGE	---	ZURN	ZC100-DP-VP-89	CAST IRON	PROVIDE PERIMETER BLOCKING TO RAISE DECK PLATE TO ROOFING LEVEL; INCLUDES DECK MOUNTING PLATE, SECURED STRAINER AND OVERFLOW DAM
PF-OD2	ROOF OVERFLOW- SMALL	---	ZURN	Z-181	BRONZE	SET 2" ABOVE DECK
PF-DN1	DOWNSPOUT NOZZLE	---	ZURN	ZANB199-SS 4"	NICKEL BRONZE	4" DIA., WITH REMOVABLE SCREEN
PF-GCO	GROUND CLEAN-OUT	---	ZURN	Z1440/Z1475	STAINLESS STEEL	
PF-WCO	WALL CLEAN-OUT	---	ZURN	Z1446	STAINLESS STEEL	
PF-FCO	FLOOR CLEAN-OUT	---	ZURN	ZS1400	STAINLESS STEEL	

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	PES7227DLBB	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	WRT541SZDB							
A-04	UNDERCOUNTER REFRIGERATOR	WESTINGHOUSE - COMMERCIAL COOL	CCR45B	ADA-COMPLIANT	BLACK		■		■	ALT. 4.4+ +CF <32.5"H SUBSTITUTIONS PERMITTED
		IGLOO	FR464	ADA-COMPLIANT	WH OR SS		■		■	ALT. 4.4+ +CF <32.5"H SUBSTITUTIONS PERMITTED
		HAIER	HC46SF10SV	ADA-COMPLIANT	SS		■		■	ALT. 4.4+ +CF <32.5"H SUBSTITUTIONS PERMITTED
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.		
TA-02 (OPT.)	UNIVERSAL C-FOLD / MULTI-FOLD PAPER TOWEL DISPENSER	BOBRICK	B-262	S.S.	1	
TA-02 (OPT.)	UNIVERSAL 8" ROLL PAPER TOWEL DISPENSER	BOBRICK	B-2860	S.S.	1, 3	
TA-03	WASTE RECEPTACLE	BOBRICK	B-279	S.S.		
TA-04	GRAB BARS	BOBRICK	B-5806 SERIES	S.S.		
TA-05	MIRROR	BOBRICK	B-165 2448	S.S.		
TA-06 (OPT.)	LIQUID SOAP DISPENSER: LAV.-MOUNT, LONG SHANK, 4" SPOUT	BOBRICK	B-822	POL. S.S.	1, 2	
TA-06 (OPT.)	FOAM SOAP DISPENSER: LAV.-MOUNT, LONG SHANK, 4" SPOUT	BOBRICK	B-823	POL. S.S.	1, 2	
TA-07	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	S.S.		
TA-08	TOILET SEAT COVER DISPENSER	BOBRICK	B-4221	S.S.		
TA-09	SHELF	GAMCO	B-7816	S.S.	4	
TA-10	BABY CHANGING STATION (ONLY WHERE CODE REQUIRED)	GAMCO	BCS-2	GREY HDPE	4, 5	
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. AoR 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, HANDLE < 44" AFF.						

ELECTRICAL DEVICE FINISHES			
LOCATION		LUTRON	LEVITON, LEGRAND
SURFACE	FINISH		
CEILINGS AND SOFFIT FACES	PT-500	WHITE	WHITE
TYPICAL WALL	PT-500	WHITE	WHITE
ACCENT WALL	ANY OTHER THAN PT-500	WHITE	WHITE

LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER	MODEL	LAMPING	DESCRIPTION
L-1	GE	LAD22A033MMT35KVQLTWHITE	27W 3500K LED	2x2 REC. 27W 3500K LED TROFFER
L-1-EM	GE	LAD22A033MMT35KVQLTWHITE-EL	27W 3500K LED	L-1 FIXTURE WITH EMERGENCY LIGHT DRIVER
L-2	GE	LBT22A033MM835VQLTWHITE	34W 3500K LED 3300 lm	2x2 REC. LENSED 34W 3500K LED TROFFER
L-2 (ALT)	LITELINE	LEDP-22-WH-WHIP-35-30-120 /277	30W 3500K LED 3300 lm	2x2 REC. LENSED 30W 3500K LED PANEL
L-2-EM	GE	LBT22A033MM835TVLTWHITE-EM	34W 3500K LED 3490 lm	L-2 FIXTURE WITH EMERGENCY LIGHT DRIVER
L-2-EM (ALT)	LITELINE	LEDP-22-WH-WHIP-(EM)-35-30-120 /277	30W 3500K LED 3490 lm	L-2 (ALTERNATE) FIXTURE WITH EMERGENCY LIGHT DRIVER
L-3	FEELUX	(2) TUN7-35K-SF-STD-S-HW-OCC-120	(2) 7W 3500K LED ~900 lm TOTAL	(2) 20.7" LED UNDERCAB. LIGHT WITH OCCUPANCY SENSOR
L-4	LUMIERE	LANTERRA 9004-W2-RW-LED 4080-W-W-CS-L1-UNV-WIS	(2) 10W 4000K LED	120V EXTERIOR UP/DOWN SCONCE WITH INTEGRAL LED DRIVER
L-4 (ALT)	LUMIERE	LANTERRA 9004-W1-RW-LED 4080-W-W-CS-L1-UNV-WIS	(2) 10W 4000K LED	120V EXTERIOR DOWN ONLY SCONCE WITH INTEGRAL LED DRIVER ALTERNATE FIXTURE FOR "DARK SKY" COMPLIANCE JURISDICTIONS ONLY
L-5	IGUZZINI	I.BU27-REM-01 + 4549-0350-019-UNV-ED10	(1) 6W LED	TRICK 360 DEG. 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.
L-6	GE	ECRA0CSF5401BWWHITE	110W 4000K LED	EXTERIOR SEMI-RECESSED 110W 4000K LED DOWNLIGHT
L-7	GE	LDXB-4R-0-10-T-35-V1 + RD14R-W-PT-WT-WT-WR + BH3 (OPTIONAL)	14W 3500K LED	4" ROUND 14W 3500K LED LENSED DOWNLIGHT - WET RATED
L-7-EM	GE	LDXB-4R-0-10-T-35-V1-EL + RD14R-W-PT-WT-WT-WR + BH3 (OPTIONAL)	14W 3500K LED	L-7 FIXTURE WITH EMERGENCY LIGHT DRIVER
L-7-R	LF ILLUMINATION	5811-1SA-T-20L-8040-W-1-BB	20W 4000K 80 CRI LED	EXTERIOR CANOPY RECESSED CAN, BLACK TRIM
L-7-R-EM	LF ILLUMINATION	5811-1SA-T-20L-8040-W-1-BB-EM	20W 4000K 80 CRI LED	EXTERIOR CANOPY RECESSED CAN W/ EMERGENCY BATTERY RELAY, BLACK TRIM
L-7 (ALT)	AMERLUX	L7 - HDL-HP-R-NC-A17-T-16-120V-0-10V (HOUSING) + HDL-HP-RLD-A17-T-MWW-65SOL-359-WET (TRIM)	18W 3500K LED	4" ROUND 18W 3500K LED LENSED DOWNLIGHT - WET RATED
L-7-EM (ALT)	AMERLUX	L7EM - HDL-HP-R-NC-A17-T-16-120V-0-10V-EM (HOUSING) + HDL-HP-RLD-A17-T-MWW-65SOL-359-WET (TRIM)	18W 3500K LED	L-7 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-7 (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-WET RATED-27"	15W 3500K LED 4000 lm	4" ROUND 15W 3500K LED LENSED DOWNLIGHT - WET RATED
L-7-EM (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-WET RATED-27"-EMPK	15W 3500K LED 4000 lm	L-7 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-8	GE	ALC6-1-4T04-T-C8-1D-S-Q-Q-Q-[ST/51]-[K/A]-Q-W	27W 3500K LED	SURFACE-MOUNT AT CEILINGS UP TO 10'. CABLE-MOUNT AT CEILINGS OVER 10'.
L-8-EM	GE	ALC6-1-4T04-T-C8-1D-S-Q-Q-Q-[ST/51]-[K/A]-Q-W	27W 3500K LED	SURFACE-MOUNT AT CEILINGS UP TO 10'. CABLE-MOUNT AT CEILINGS OVER 10'. INCLUDES EMERGENCY BATTERY.
L-11	GE	LDXB-4R-0-10-T-35-V1 + RD14R-W-PT-WT-WT + BH3 (OPTIONAL)	14W 3500K LED	4" ROUND 14W 3500K LED LENSED DOWNLIGHT- WET RATED, PROVIDE MATTE BLACK FLANGE IN WOOD ACCENT CEILINGS
L-11-EM	GE	LDXB-4R-0-10-T-35-V1-EL + RD14R-W-PT-WT-WT + BH3 (OPTIONAL)	14W 3500K LED	L-11 FIXTURE WITH EMERGENCY LIGHT DRIVER
L-11 (ALT)	AMERLUX	L11 - HDL-HP-R-NC-A17-T-16-120V-0-10V (HOUSING) + HDL-HP-RLD-A17-T-MWW-65SOL-359 (TRIM)	18W 3500K LED	4" ROUND 18W 3500K LED LENSED DOWNLIGHT, PROVIDE MATTE BLACK FLANGE (MBF) IN WOOD ACCENT CEILINGS
L-11-EM (ALT)	AMERLUX	L11EM - HDL-HP-R-NC-A17-T-16-120V-0-10V-EM (HOUSING) + HDL-HP-RLD-A17-T-MWW-65SOL-359 (TRIM)	18W 3500K LED	L-11 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-11 (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-27"	15W 3500K LED	4" ROUND 15W 3500K LED LENSED DOWNLIGHT, PROVIDE "BLACK CONE" FINISH IN WOOD ACCENT CEILINGS
L-11-EM (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-27"-EMPK	15W 3500K LED	L-11 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-20	BEST	EXXT EU-1-RW-EMRC	LAMP INCL.	SINGLE-FACE LED EXIT SIGN WITH 90-MIN. BATTERY
L-20 (ALT)	ENCORE UNO-SERIES	UNO X SERIES (UNIVERSAL MOUNT)	LAMP INCL.	EDGE-LIT SINGLE-FACE LED EXIT SIGN WITH 90-MIN. BATTERY
L-20-CHICAGO	SURE-LITES	CHX703 Series	LAMP INCL.	CHICAGO-APPROVED SINGLE-FACE LED EXIT SIGN WITH 90-MIN. BATTERY
L-21A	LUMARK	XTOR6B-W-BZ	58W 4000K LED	EXTERIOR WALL-MOUNT 58W 4000K LED FULL-CUTOFF FIXTURE FOR GENERAL LIGHTING
L-21B	LUMARK	XTOR6B-W-BZ-MS-L20-CBP	58W 4000K LED	EXTERIOR WALL-MOUNT 58W 4000K LED FULL-CUTOFF FIXTURE FOR EMERGENCY LIGHTING WITH 90-MINUTE BACKUP BATTERY
L-22	LITHONIA	ZL1N-L24-1500LM-FST-4W/OLT-35K-80CRI-WH-L5XR	18W 3500K LED	2' 18W 3500K LED LENSED UTILITY LIGHT w/ OCCUPANCY SENSOR
L-307	PHILIPS COLOR KINETICS	523-000091-18	6W 3500K LED (WHITE)	12" "wV Cove Q LX Powercore" RIGID 3500K WHITE 120V LED STRIP
L-307 (ALT)	ECOSENSE	L35-I-12"-06-35-80-MULT-120	6W 3500K LED (WHITE)	12" "SLIM COVE DIM" 3500K WHITE 120V LED STRIP
L-308	PHILIPS COLOR KINETICS	223-000004-02	6W LED (BLUE)	12" "wV Cove Q LX Powercore" RIGID BLUE 120V LED STRIP, WHERE MOUNTED ABOVE ACT-3, USE MOUNTING TRACK MODEL #120-000125-00 OR EQ. TO MINIMIZE LIGHT BLEEDING THROUGH TILE
L-308 (ALT)	ECOSENSE	L35-I-12"-06-BL-MULT-120	6W LED (BLUE)	12" "TROVE" MULT (120V-220V) LED STRIP, WHERE MOUNTED ABOVE ACT-3, USE MOUNTING TRACK MODEL #MNT-L-TRKCLIP-12 OR EQ. TO MINIMIZE LIGHT BLEEDING THROUGH TILE
L-410	VONN LIGHTING	VMC31810BL 17" SALM LED PENDANT BLACK	120V 40W LED, 3000K	17" DIAMETER, MATTE BLACK FINISH, ELV DIMMING, INSTALLED 82" A.F.F. TO B.O. FIXT., SET DIMMING PER BMS ZONE CONTROL SCHEDULE
L-411	BASELITE	PEQ41.5/LBLCL/LED12W/3K/DM0-10V/120/277V + SP-LBLC5-2	120V, 12W LED, 3000K	16" DIAMETER, MATTE BLACK, 0-10V DIMMING, INSTALLED 82" A.F.F. TO B.O. FIXT.
L-412	BASELITE	PENB41.5/SP-LBLC5-2/LED12W/3K/DM0-10V/120/277V	120v, 12W LED, 3000K	10" DIAMETER, MATTE BLACK FINISH, 0-10V DIMMING, INSTALLED 82" A.F.F. TO B.O. FIXT.
L-413	BASELITE	CS2241.5/LED12W/LBCL/LED12/30K/DM0-10V/120/277V	120v, 12W LED, 3000K	22" DIAMETER, MATTE BLACK FINISH, 0-10V DIMMING, INSTALLED 82" A.F.F. TO B.O. FIXT.
L-500	FOCAL POINT	SEEM 4-LP, FSM4LP-FL-625LF-35K-1C-UNV-LD1-T6TZ-WH	3500K LED, INCLUDED	LINEAR LED, 4" WIDE, SET IN GRID CHANNELS, 2' MINIMUM LENGTH
L-500-EM	FOCAL POINT	SEEM 4-LP, FSM4LP-FL-625LF-35K-1C-UNV-LD1-T6TZ-EM-WH	3500K LED, INCLUDED	L-500 WITH EMERGENCY BATTERY PACK
L-500 (ALT)	AMERLUX	4" GRUV, GRUV4-HE-GRID-A16-PL-5-35-HW-120/277-CUS-0-10V	3500K LED, INCLUDED	LINEAR LED, 4" WIDE, SET IN GRID CHANNELS, 2' MINIMUM LENGTH
L-500-EM (ALT)	AMERLUX	4" GRUV, GRUV4-HE-GRID-A16-PL-5-35-HW-120/277-CUS-0-10V-EM C-PF	3500K LED, INCLUDED	L-500 WITH EMERGENCY BATTERY PACK
L-501	AMERLUX	DRA-LWG-A16 - 8- 35- DAL- 120/277- IND- 0-10V- EMC-PF	3500K LED, INCLUDED	LED BOOTH WALL WASH FIXTURE; ORDER CUSTOM-LENGTH TO NEAREST FOOT OF BOOTH CEILING WIDTH
SL-1	GE	EACL-0-XX-XX-7-XX-XX-X-C1-DKBZ-XXX/ 25' POLE	44-125W 4000K LED	FULL CUT-OFF 4000K LED ON 25' POLE- AoR TO SELECT OPTICS AND WATTAGE AS REQUIRED.

RELEASED FOR CONSTRUCTION  
As Noted on Plans Review

Development Services Department  
Lee's Summit, Missouri  
07/21/2022

PREPARED BY:

EBI Consulting

ENVIRO BUSINESS, INC.

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STATE OF MISSOURI

JOSHUA W. CARRELL

*Joshua W. Carrell*

NUMBER A-2018040323

ARCHITECT

6/1/2022

PRYOR ROAD & LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

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1	04/11/2022	PERMIT REVISIONS

CHASE

PRYOR & LOWENSTEIN

PROTOTYPE VERSION 20.4

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PLUMBING FIXTURE SCHEDULE  
LIGHT FIXTURE SCHEDULE  
APPLIANCE SCHEDULE  
RESTROOM ACCESS. SCHED.  
ELECTRICAL DEVICE FINISHES

02/04/2022

SHEET

A3.5



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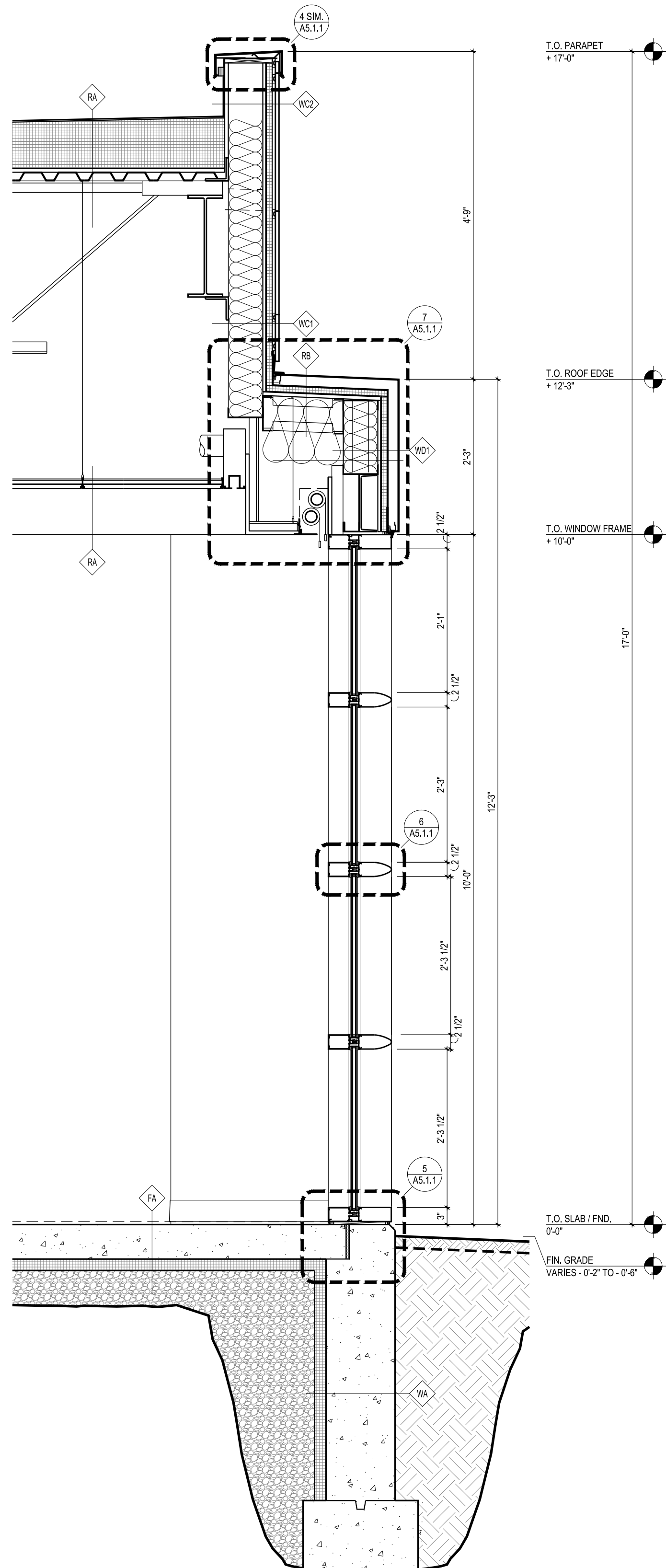
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WALL SECTIONS

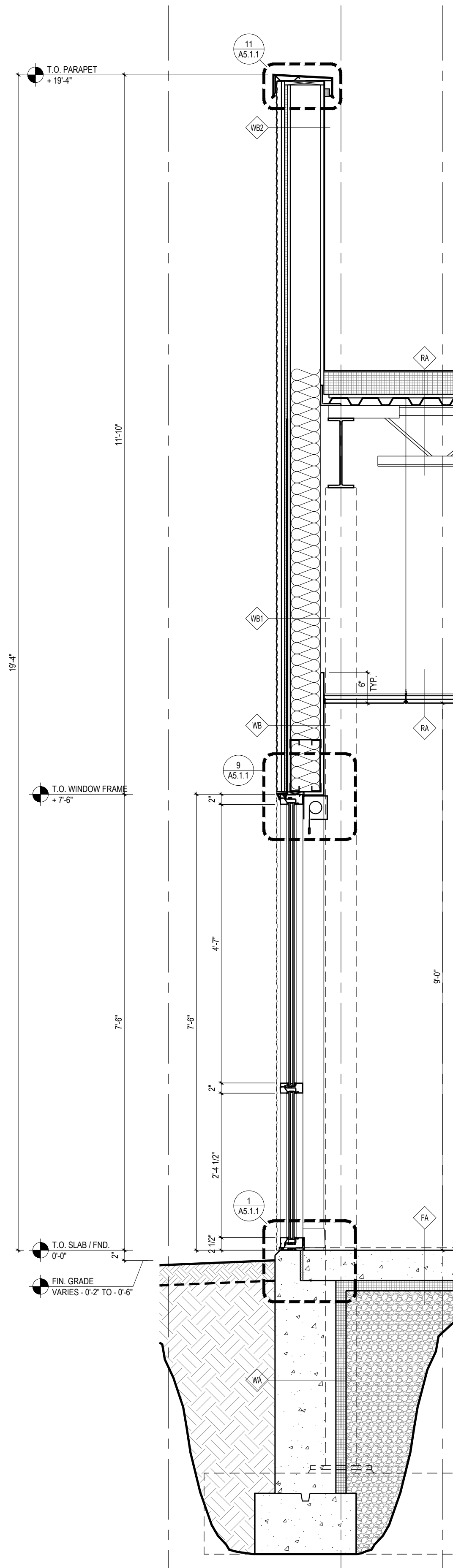
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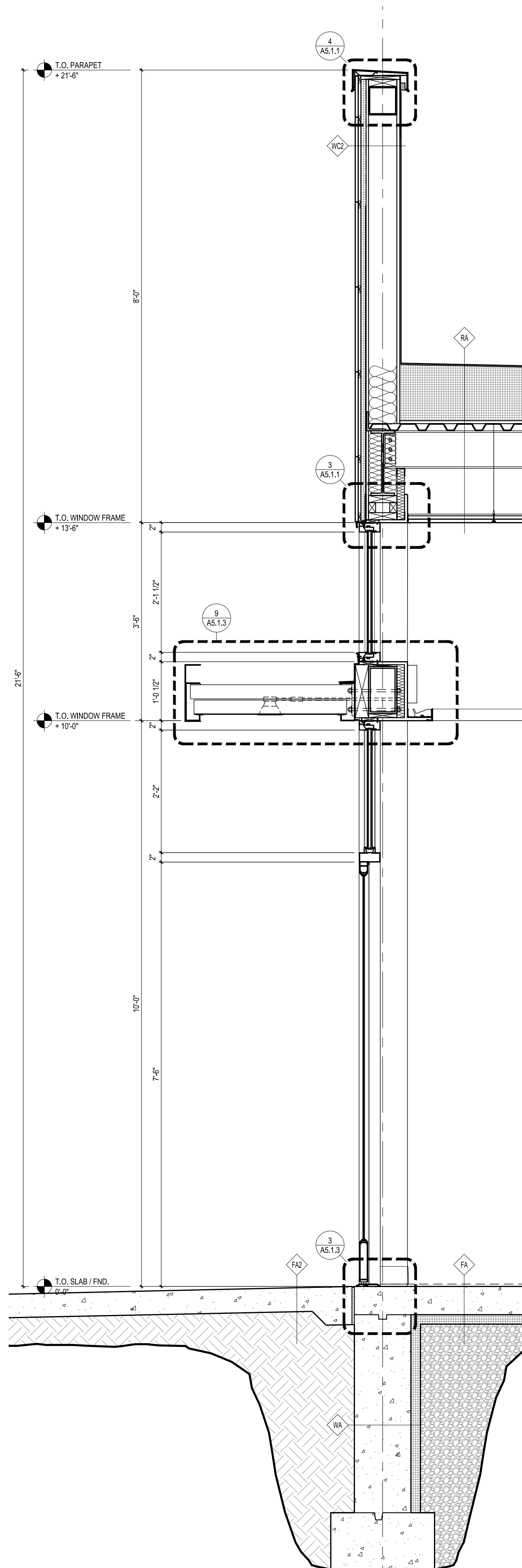
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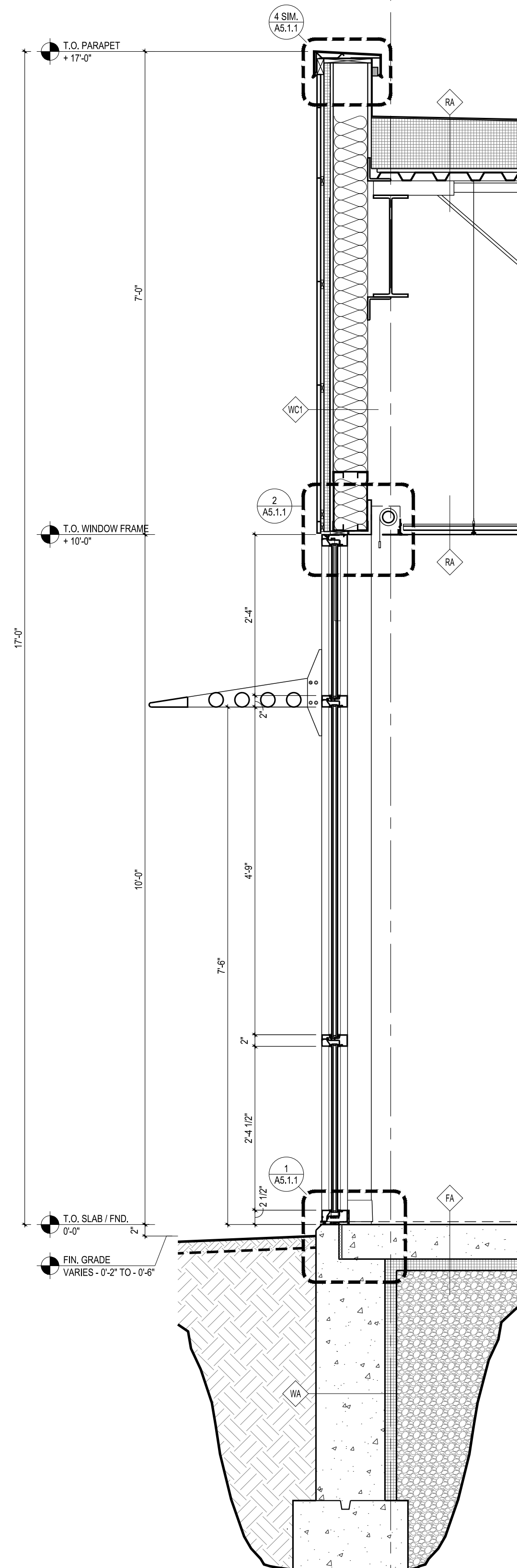
**4**  
A4.1 BAY WALL SECTION  
3/4" = 1'-0"



**3**  
A4.1 UTILITY WALL SECTION  
3/4" = 1'-0"

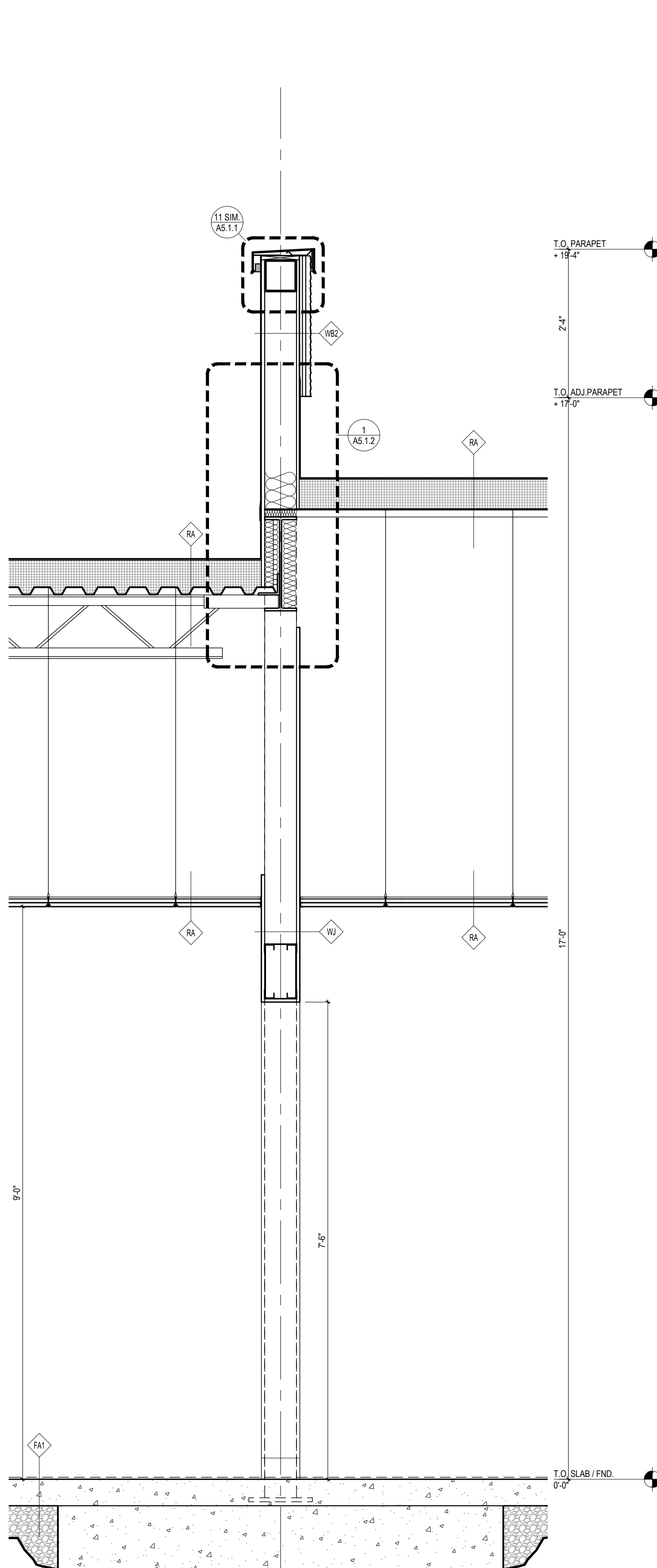


**2**  
A4.1 TOWER WALL SECTION  
3/4" = 1'-0"

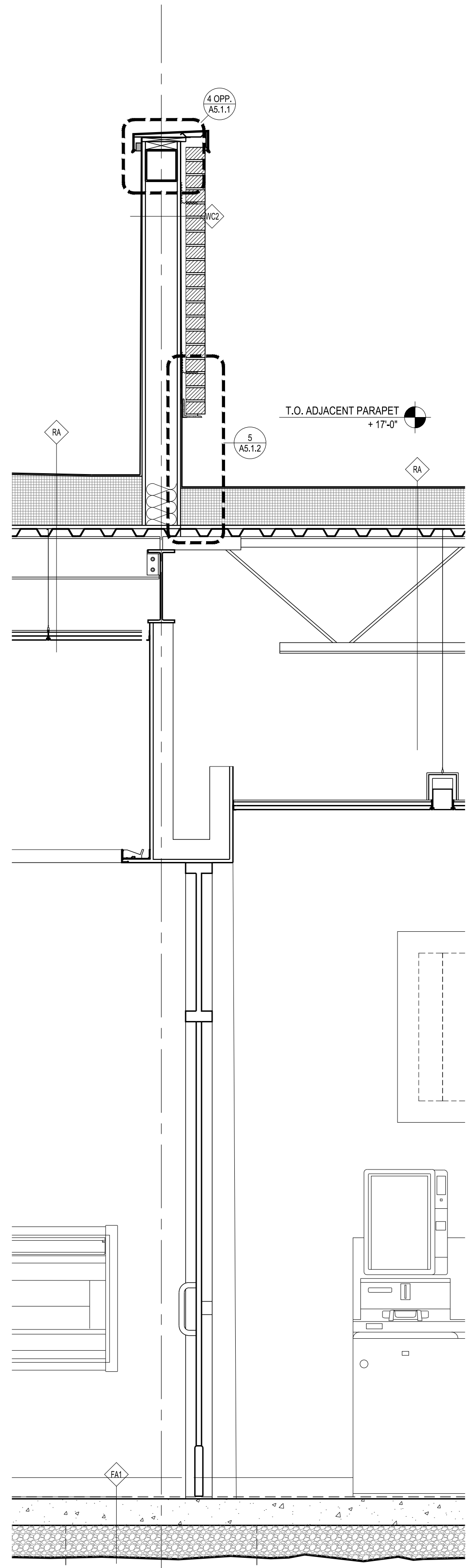


**1**  
A4.1 TYPICAL STOREFRONT  
WALL SECTION  
3/4" = 1'-0"





2  
A4.2  
ROOF TRANSITION  
WALL SECTION  
3/4" = 1'-0"



1  
A4.2  
ROOF TRANSITION  
WALL SECTION  
3/4" = 1'-0"

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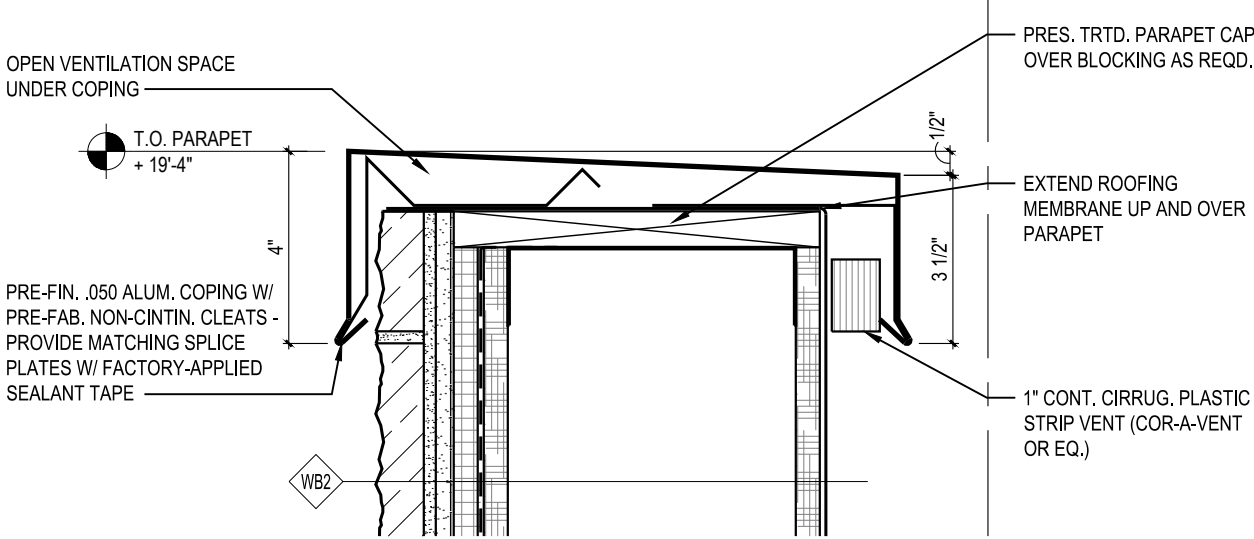
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WALL SECTIONS  
DRIVE-UP CANOPY SECTION AND DETAILS

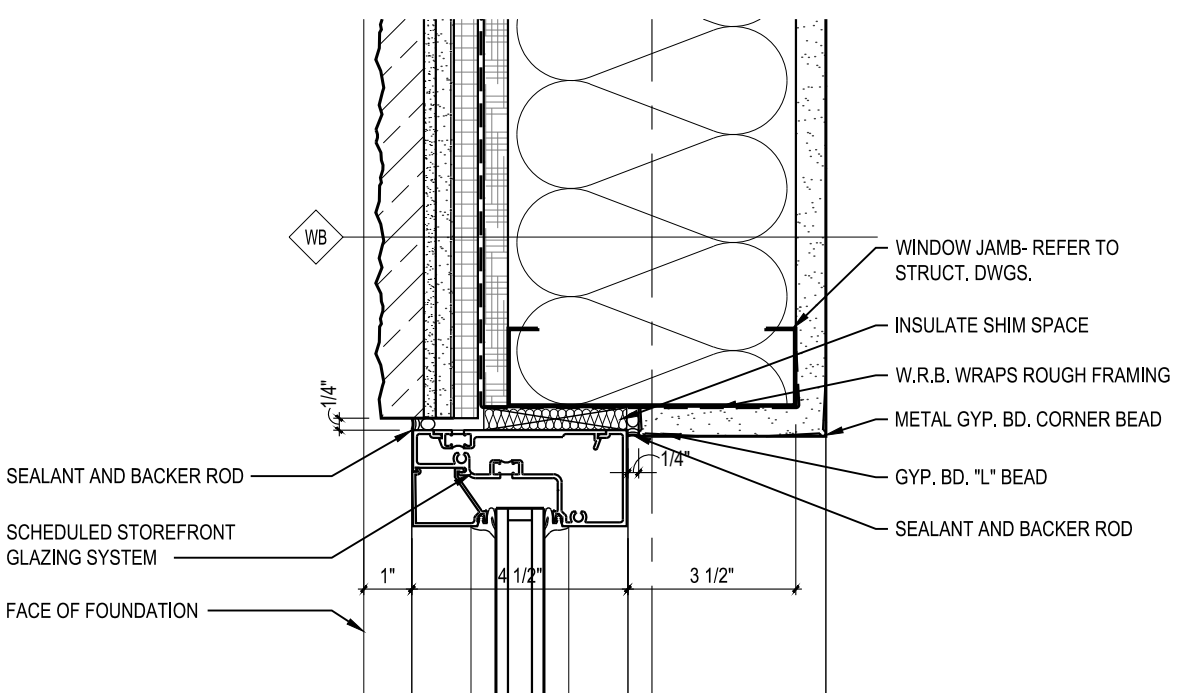
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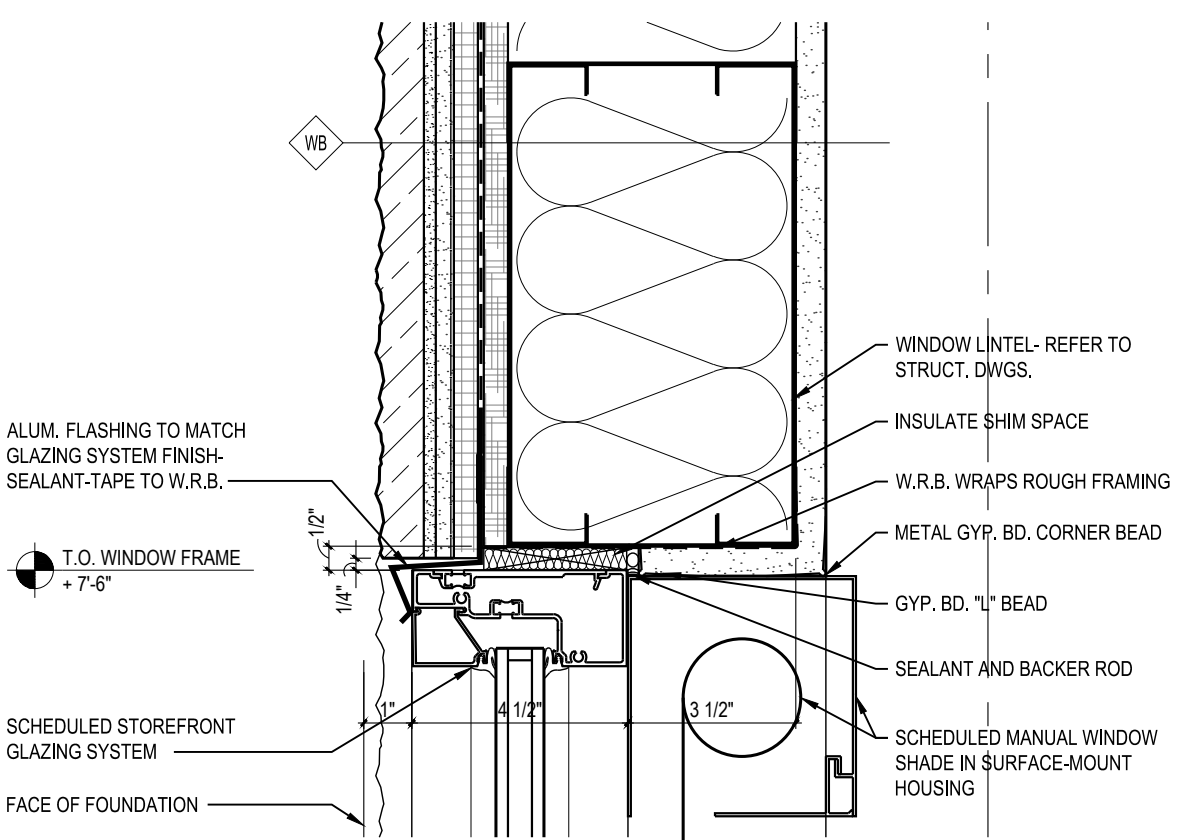




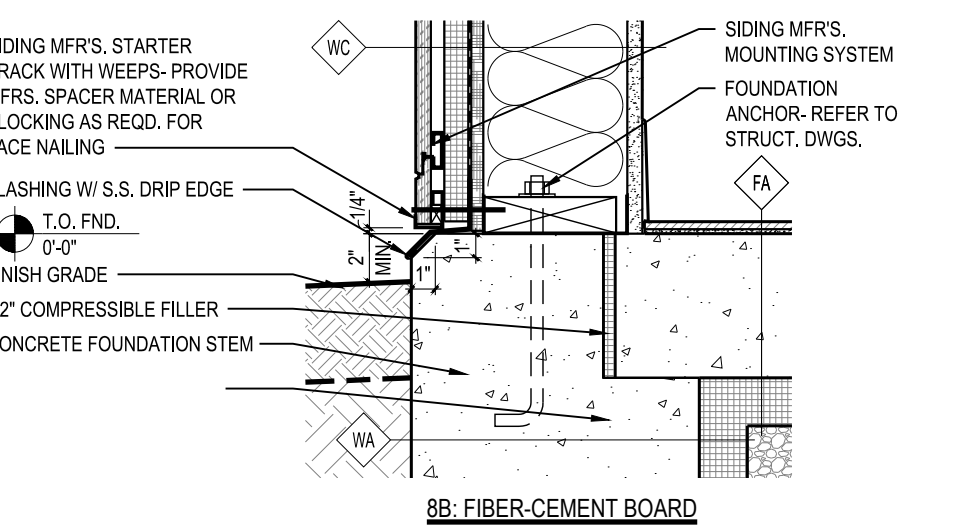
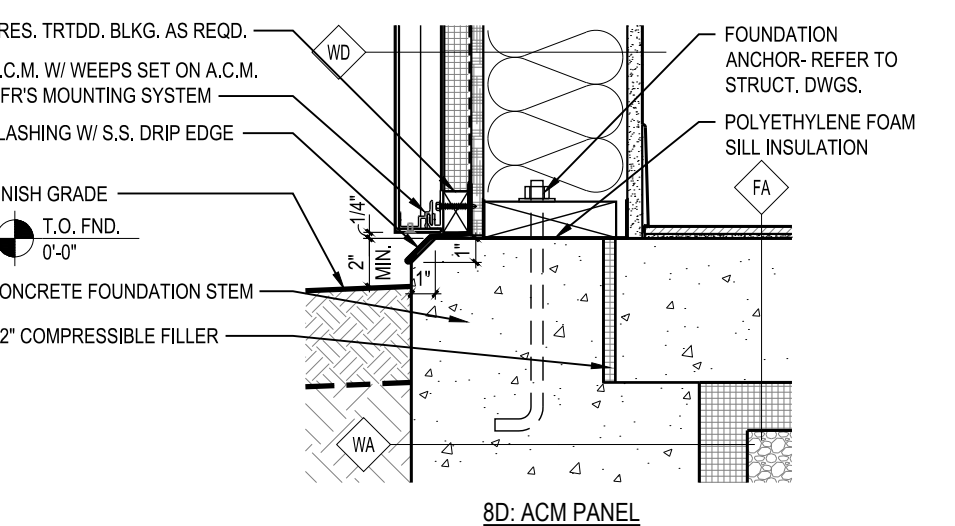
11  
A5.1.1  
COPING AT SIMULATED STONE  
3" = 1'-0"



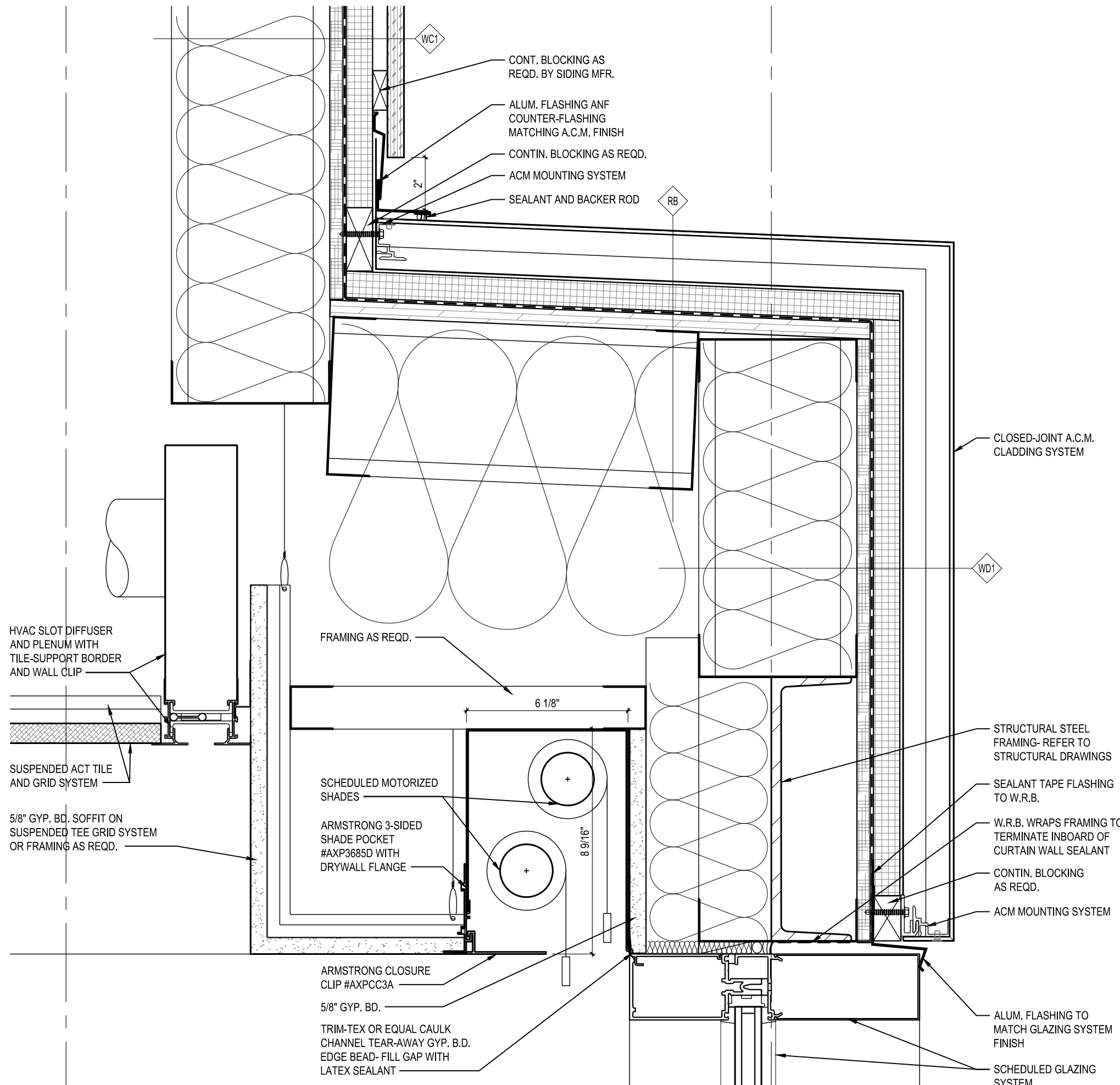
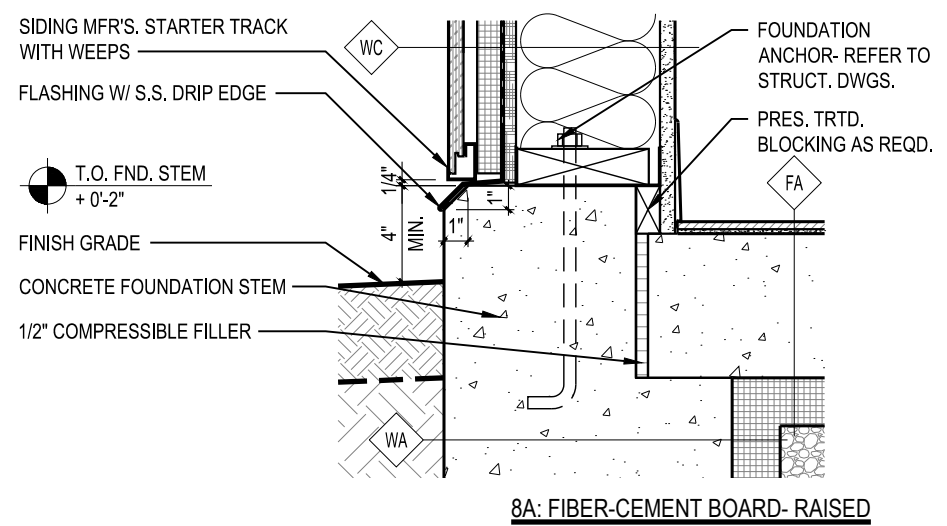
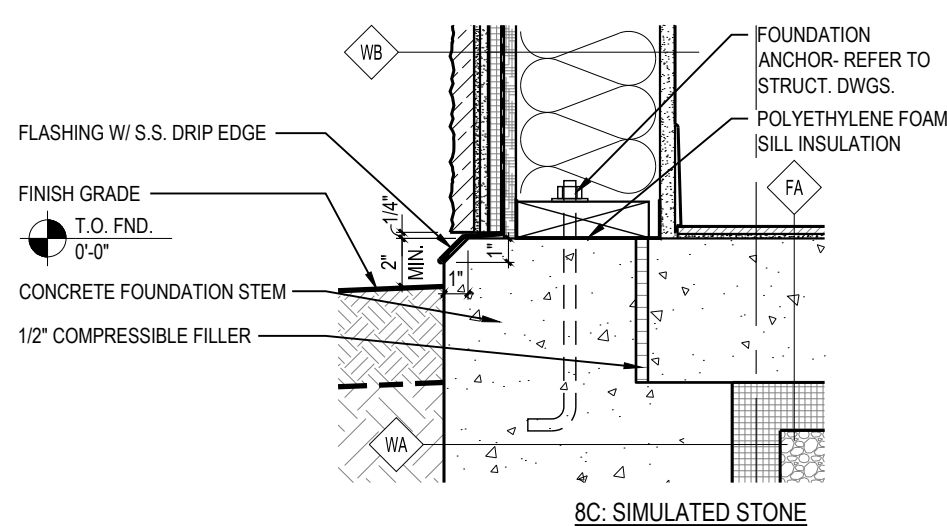
10  
A5.1.1  
STOREFRONT JAMB  
AT SIMULATED STONE  
3" = 1'-0"



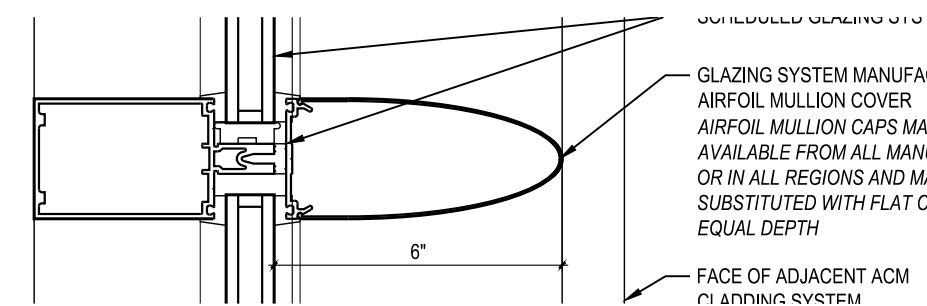
9  
A5.1.1  
STOREFRONT HEAD  
AT SIMULATED STONE  
3" = 1'-0"



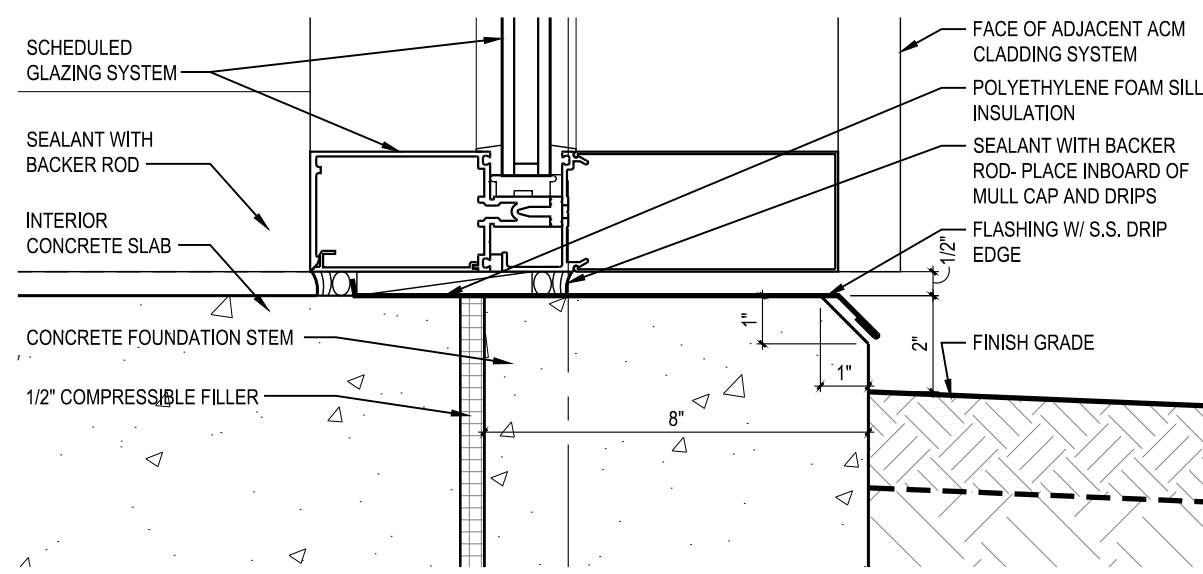
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A5.1.1  
TYPICAL TOPS OF FOUNDATION  
1 1/2" = 1'-0"



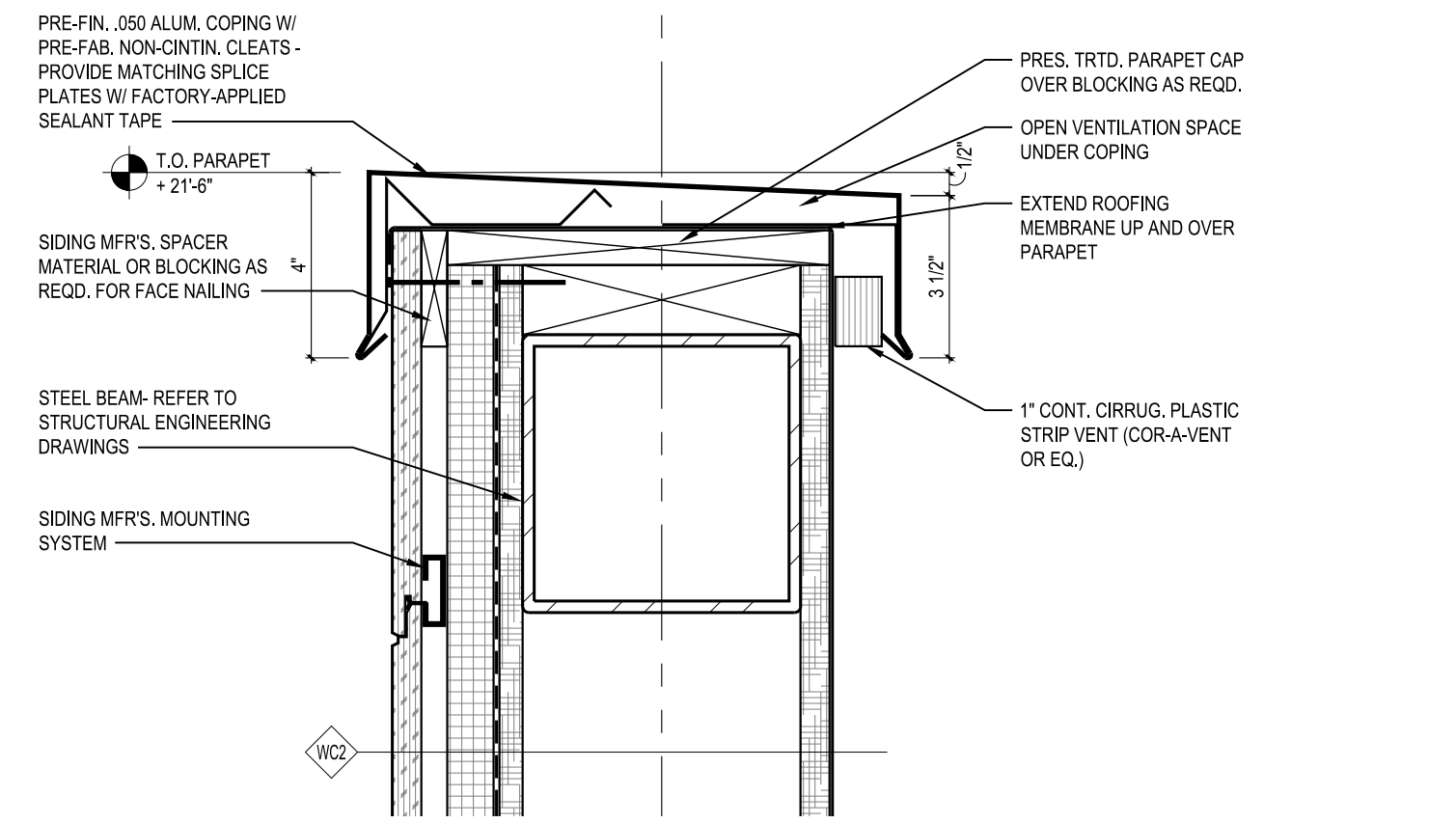
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A5.1.1  
PROJECTING BAY ROOF /  
CURTAIN WALL HEAD  
3" = 1'-0"



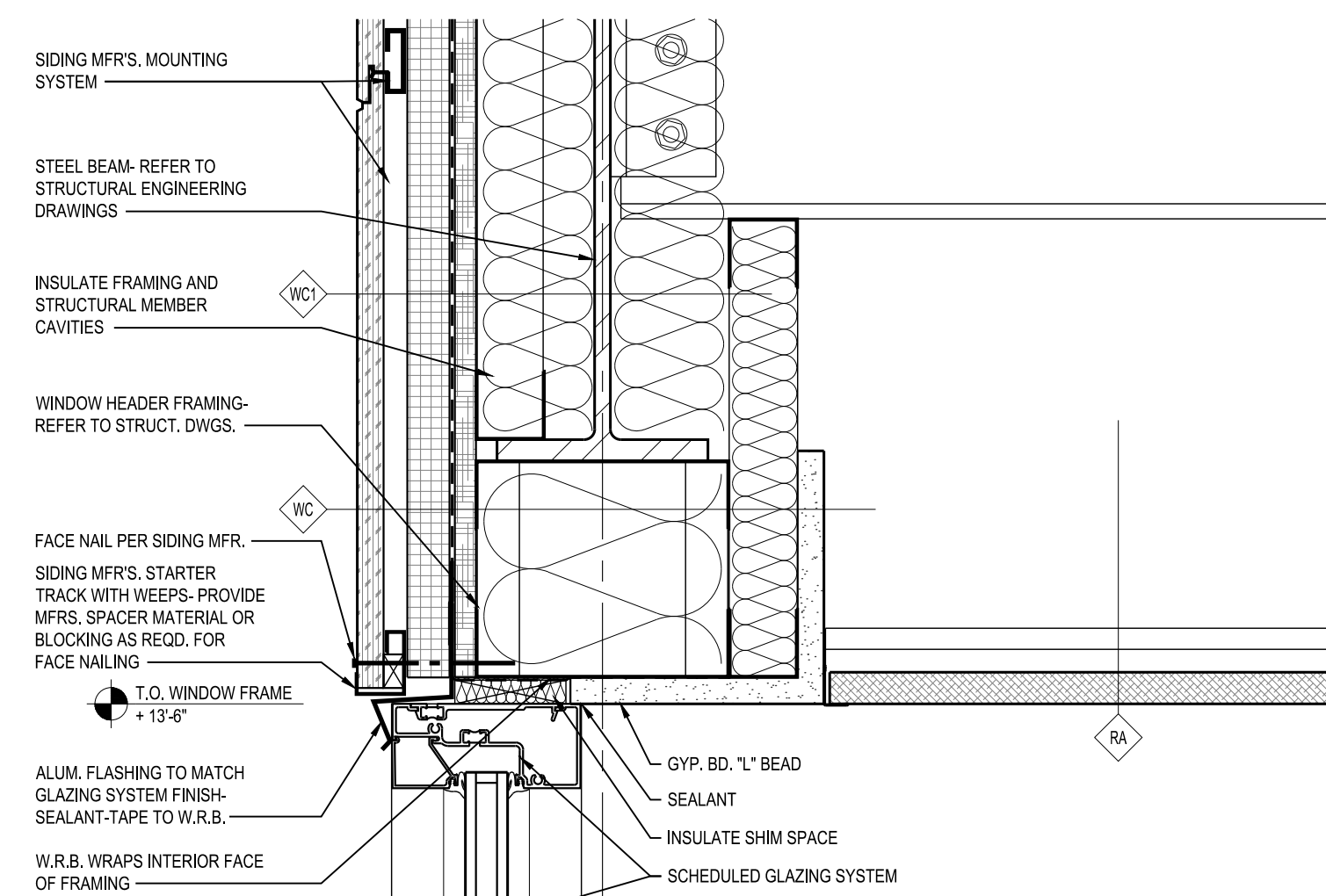
6  
A5.1.1  
INTERMEDIATE MULLION  
3" = 1'-0"



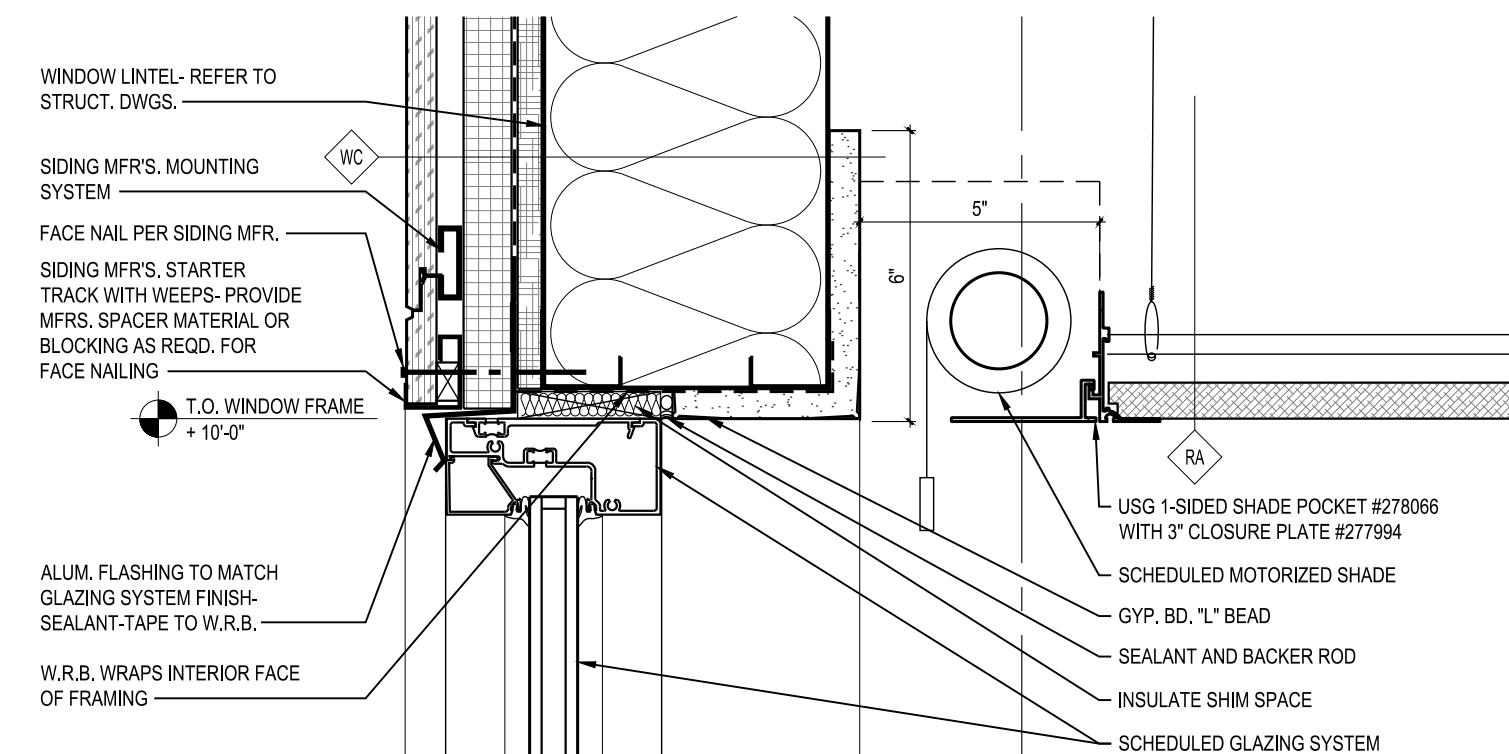
5  
A5.1.1  
TOP OF FOUNDATION /  
PROJECTING CURTAIN WALL SILL  
3" = 1'-0"



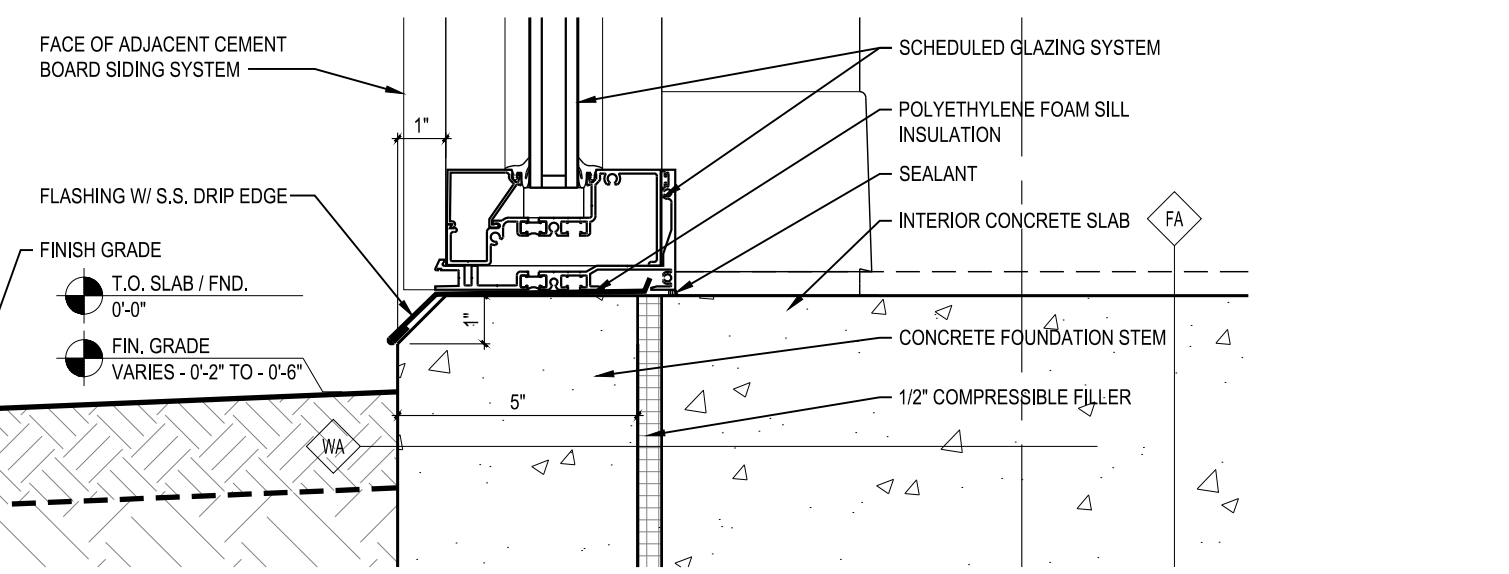
4  
A5.1.1  
COPING AT CEMENT BOARD  
3" = 1'-0"



3  
A5.1.1  
ENTRANCE HEAD / CEILING  
3" = 1'-0"



2  
A5.1.1  
STOREFRONT HEAD / CEILING  
AT CEMENT BOARD  
3" = 1'-0"



1  
A5.1.1  
TOP OF FOUNDATION /  
STOREFRONT SILL  
3" = 1'-0"

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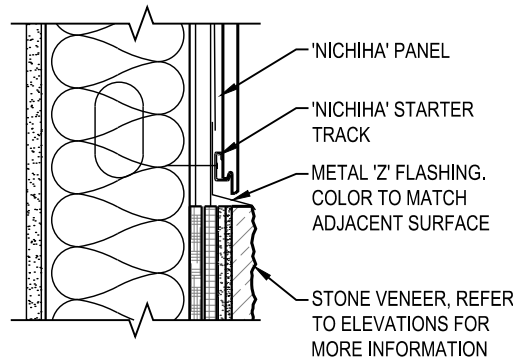
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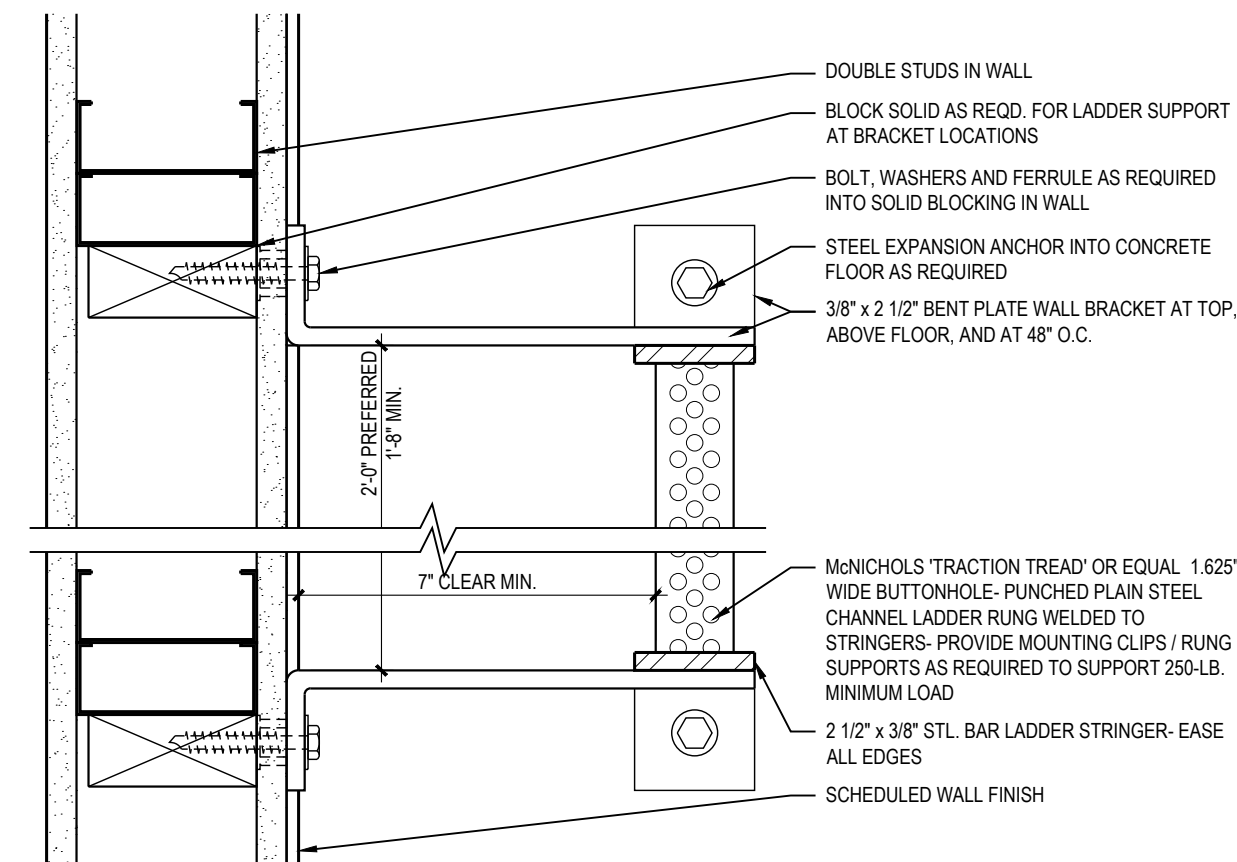
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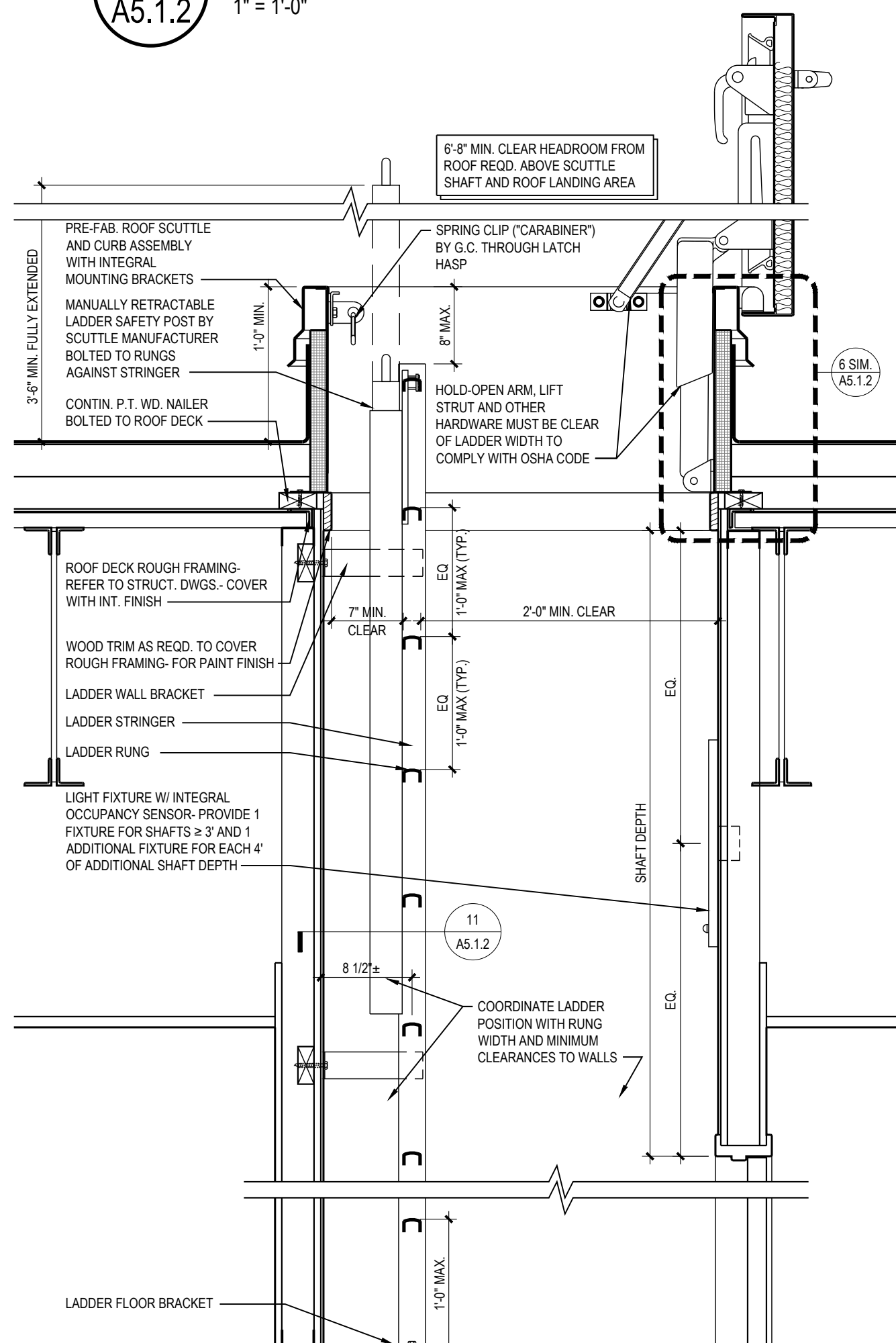




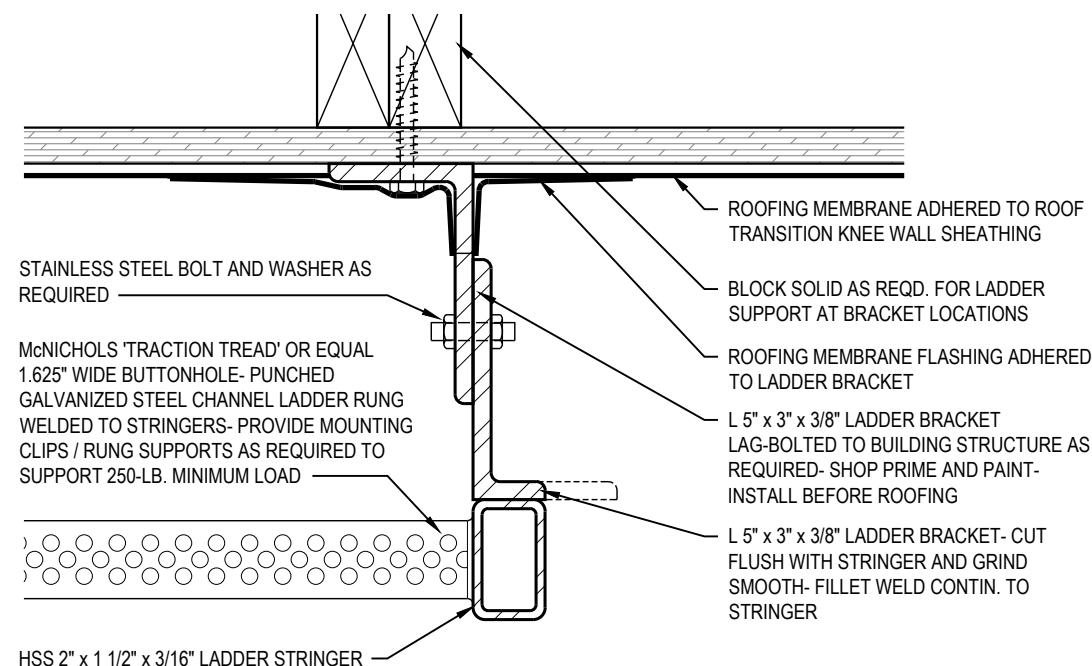
12 SILL DETAIL @ STONE  
A5.1.2 1 1/2" = 1'-0"



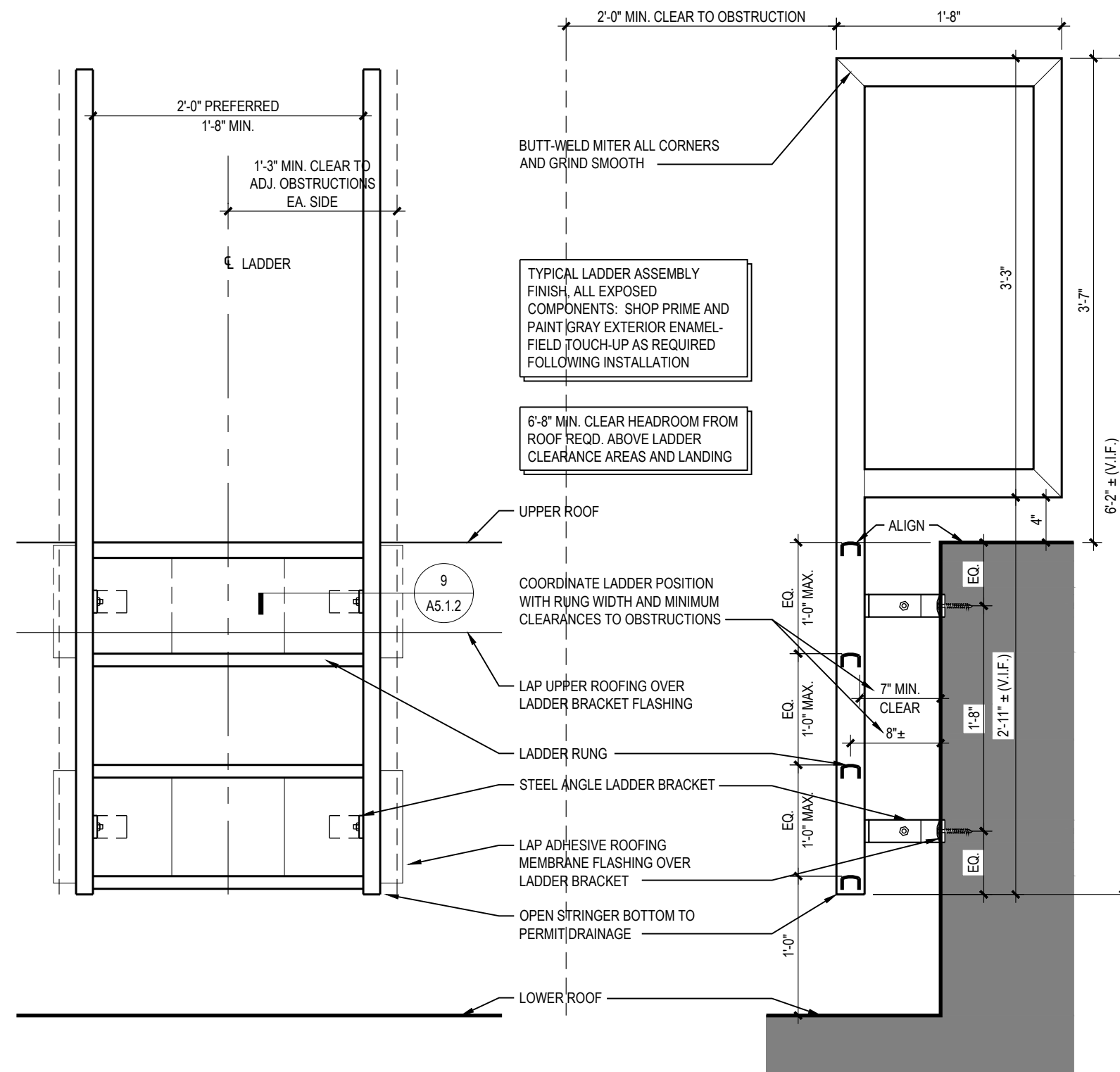
11 ROOF SCUTTLE LADDER BRACKET SECTION  
A5.1.2 1" = 1'-0"



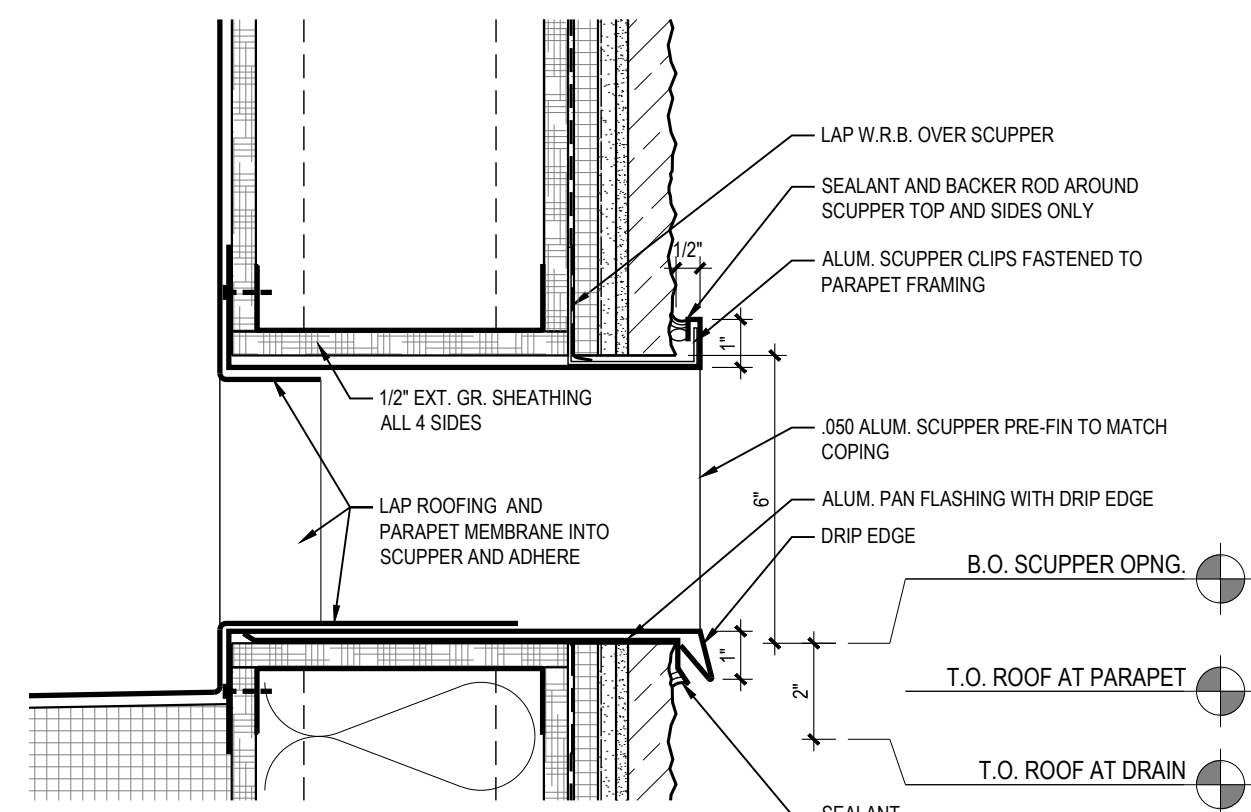
10 ROOF SCUTTLE AND LADDER SECTION  
A5.1.2 1" = 1'-0"



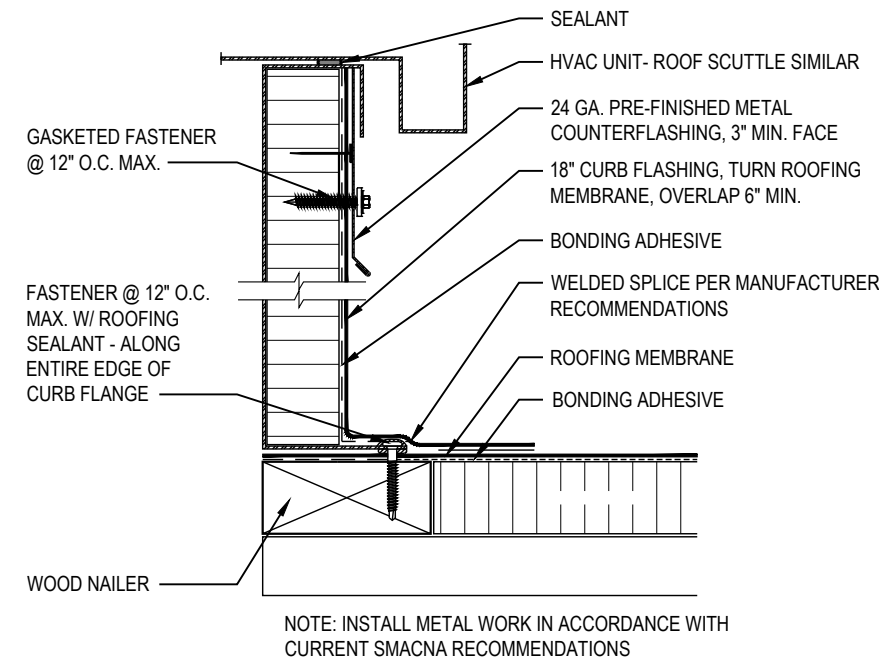
9 ROOF TRANSITION LADDER SECTION  
A5.1.2 3" = 1'-0"



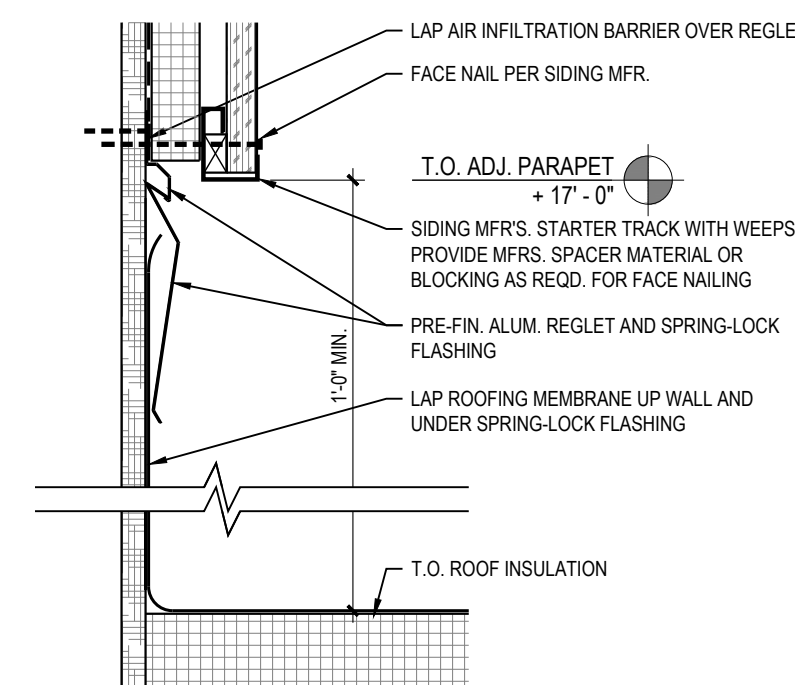
8 ROOF TRANSITION LADDER  
A5.1.2 1" = 1'-0"



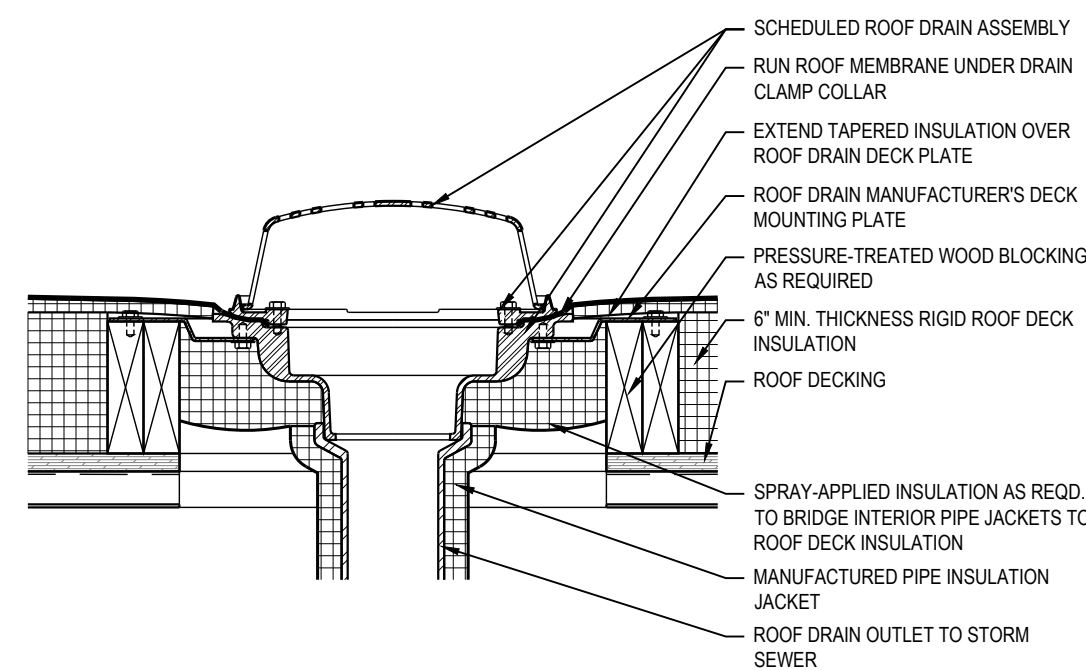
7 OVERFLOW SCUPPER  
A5.1.2 3" = 1'-0"



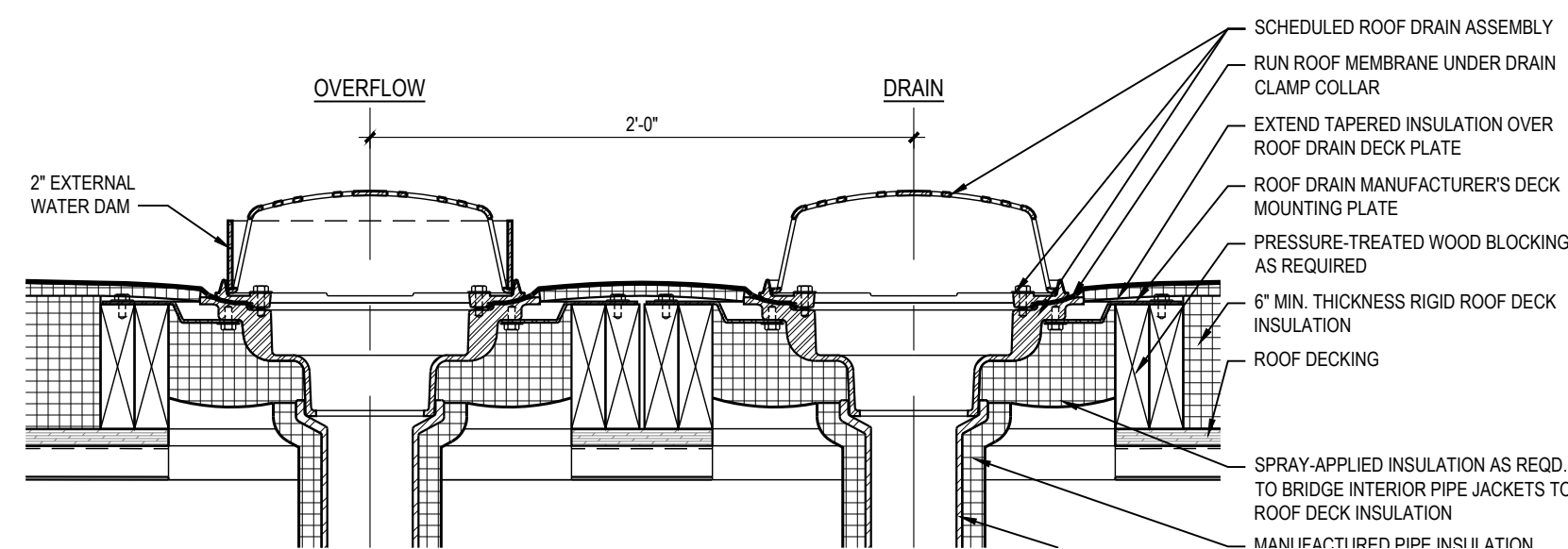
6 ROOF EQUIPMENT CURB  
A5.1.2 3" = 1'-0"



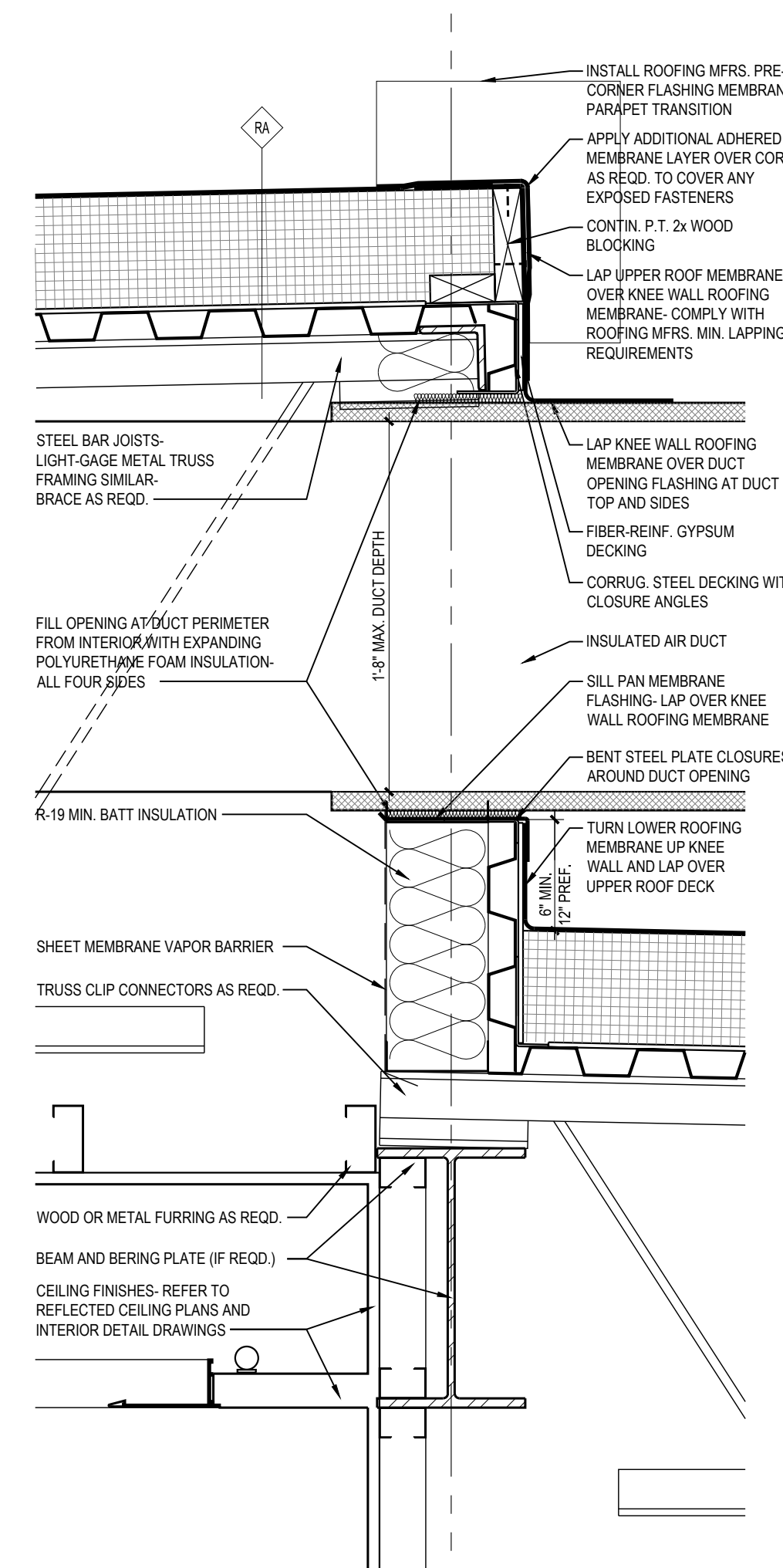
5 ROOF / WALL FLASHING  
A5.1.2 3" = 1'-0"



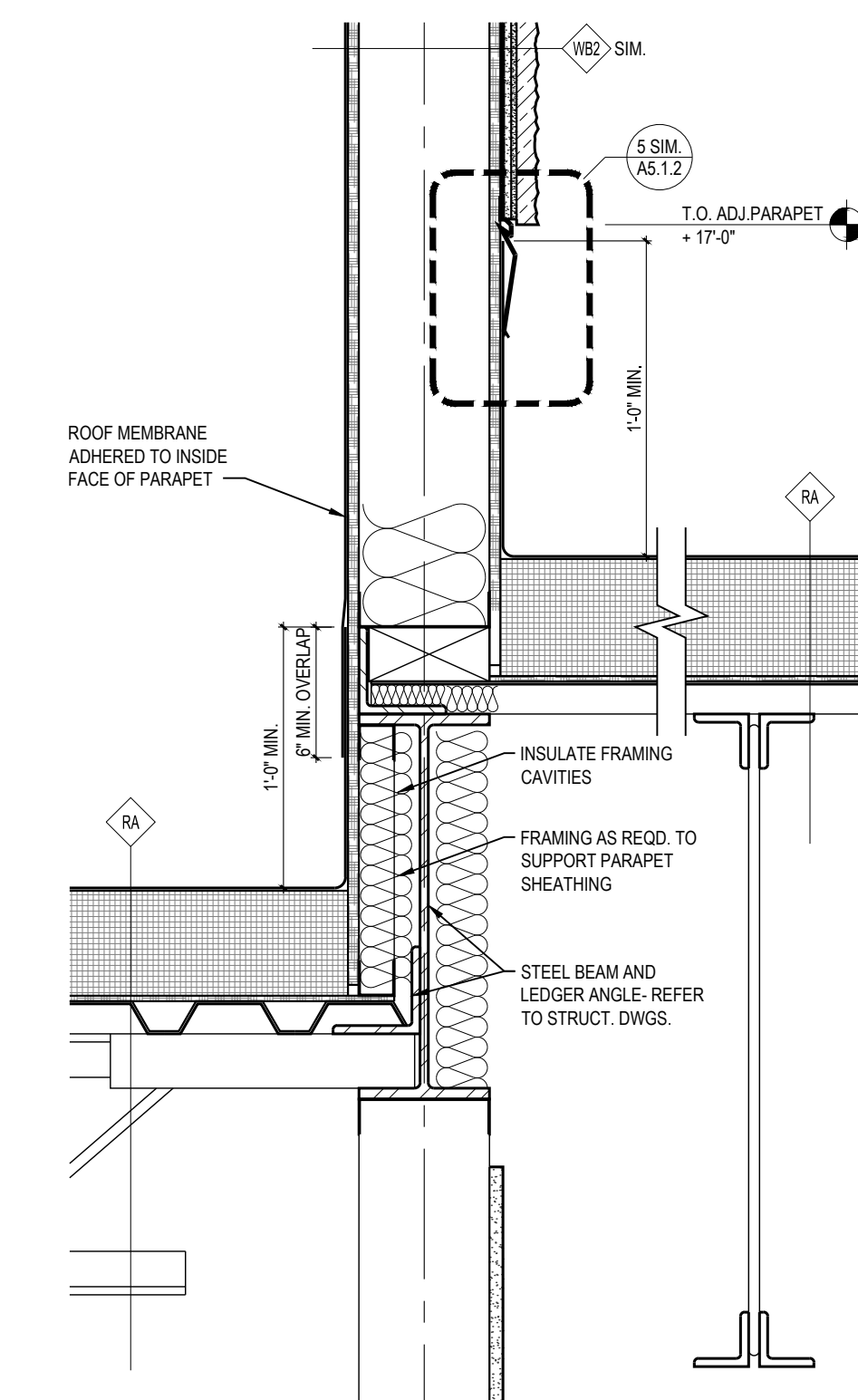
4 TYP. ROOF DRAIN  
A5.1.2 1 1/2" = 1'-0"



3 TYP. ROOF DRAIN W/ OVERFLOW  
A5.1.2 1 1/2" = 1'-0"



2 KNEE WALL DUCT PENETRATION  
A5.1.2 1 1/2" = 1'-0"  
NON-STANDARD DETAIL PROVIDED FOR USE AT NON-PROTOTYPICAL PROJECTS



1 INTERIOR PARAPET  
A5.1.2 1 1/2" = 1'-0"

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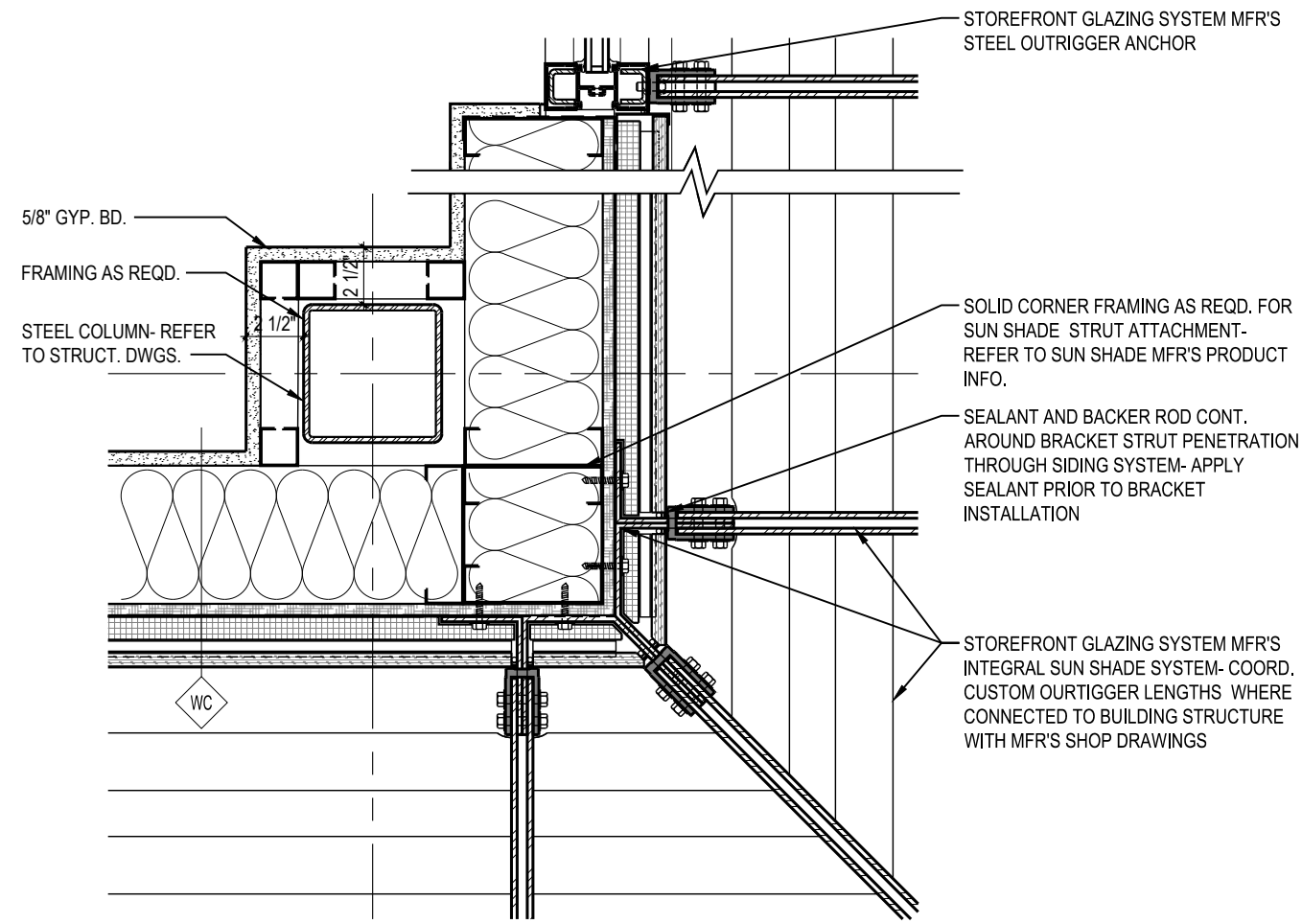
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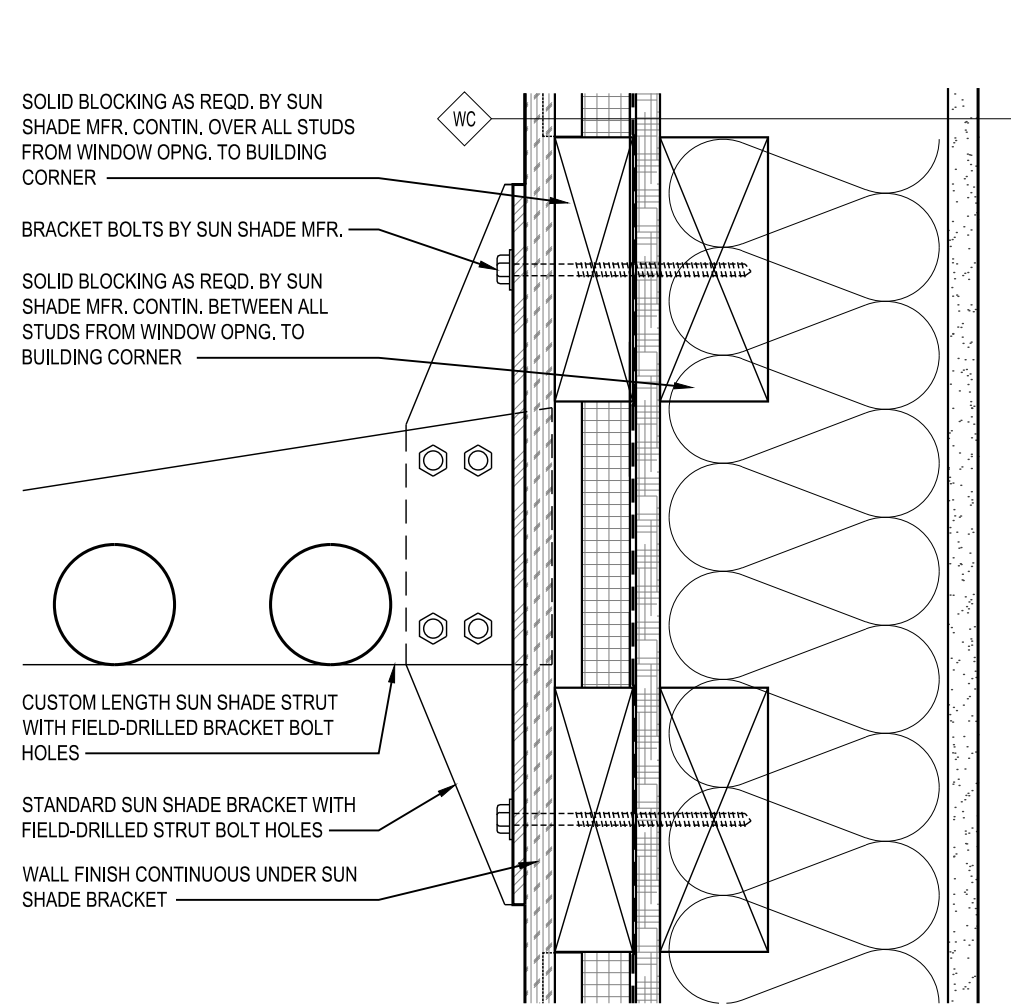
SHEET

A5.1.2

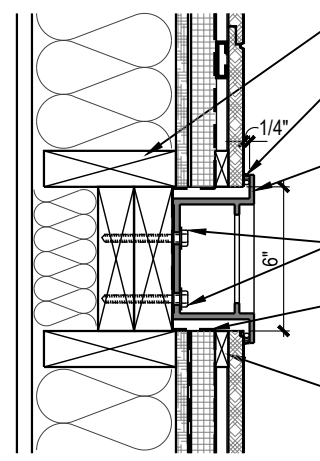




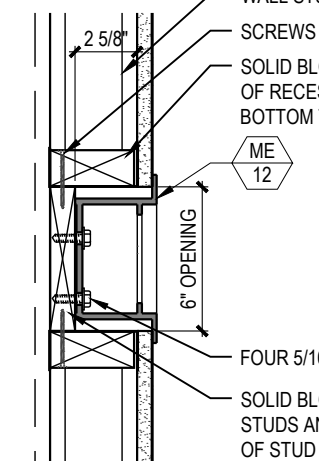
12 SUN SHADE CORNER BRACKET  
A5.1.3 1 1/2" = 1'-0"



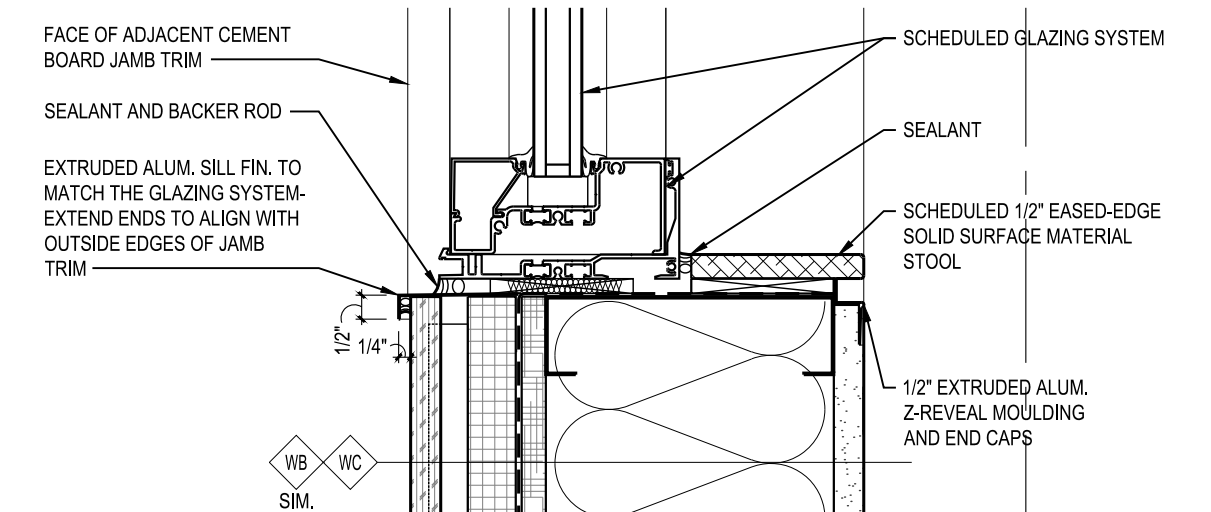
11 SUN SHADE WALL BRACKET  
A5.1.3 3" = 1'-0"



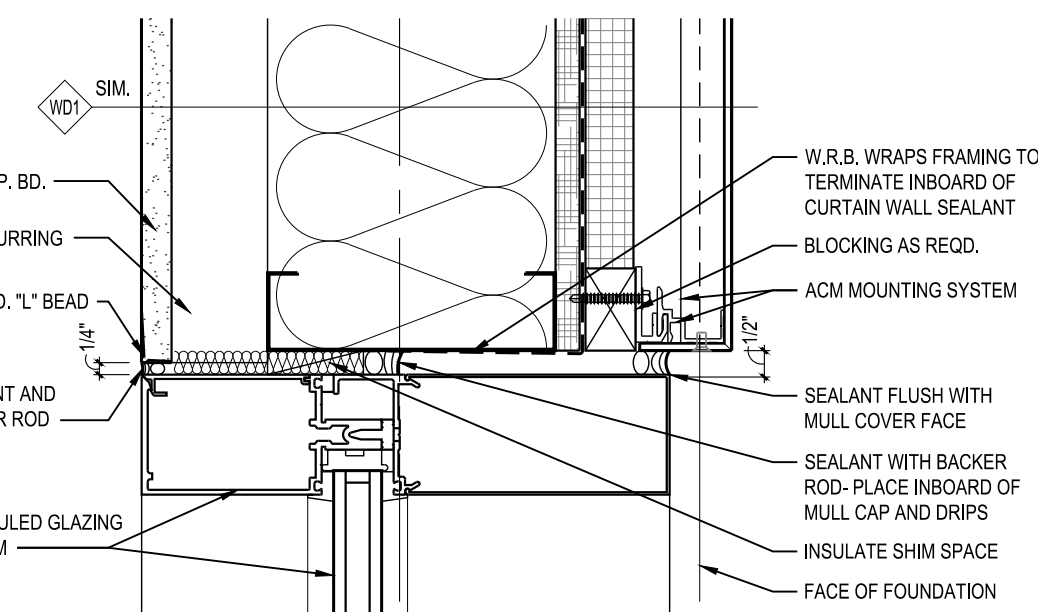
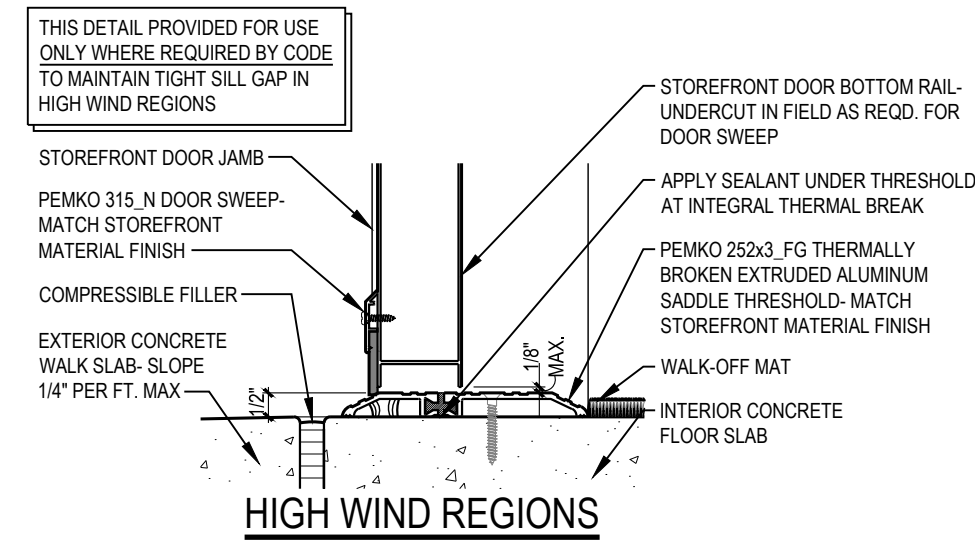
8 RECESSED KEY BOX SECTION  
A5.1.3 1 1/2" = 1'-0"



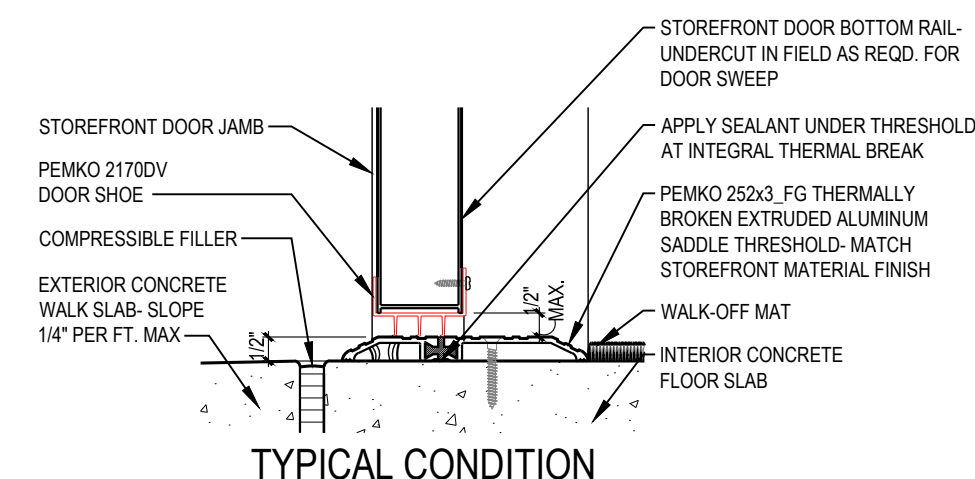
7 RECESSED KEY BOX ELEVATION  
A5.1.3 1 1/2" = 1'-0"



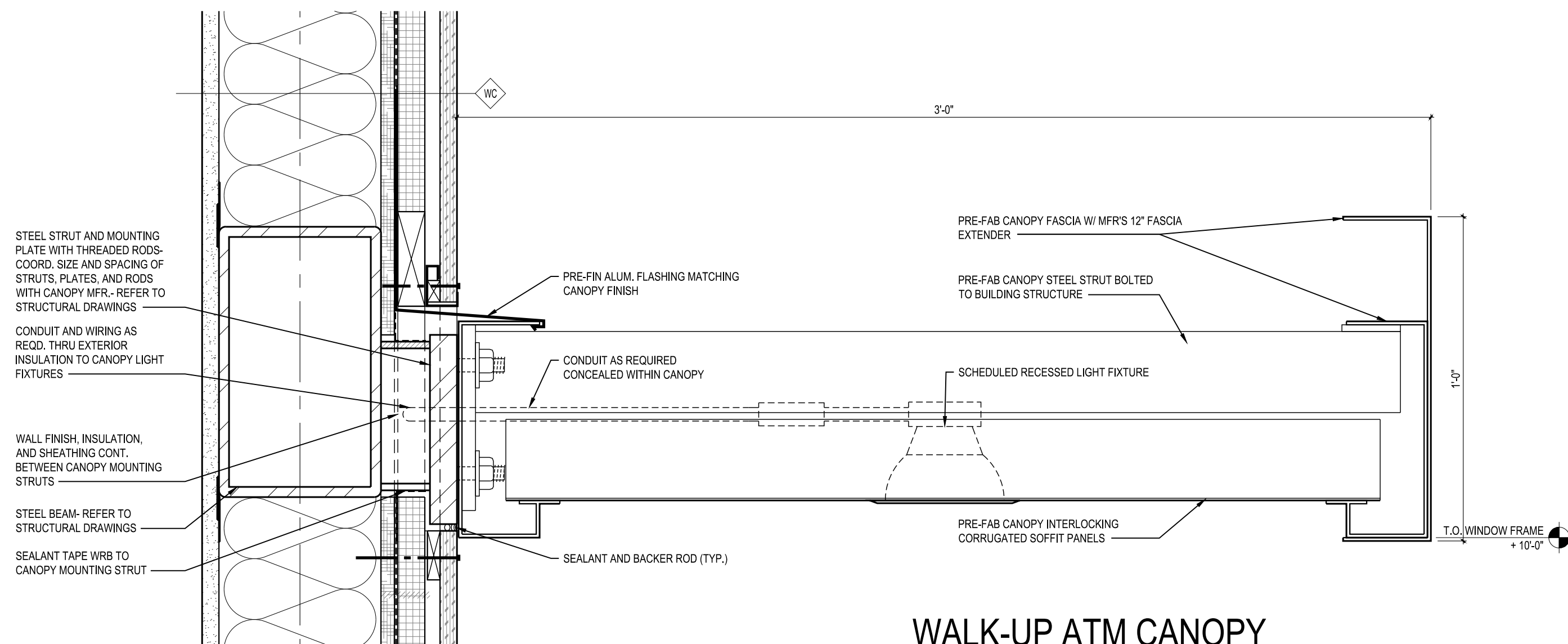
12 WINDOW STOOL (NON-STANDARD)  
A5.1.3 3" = 1'-0"



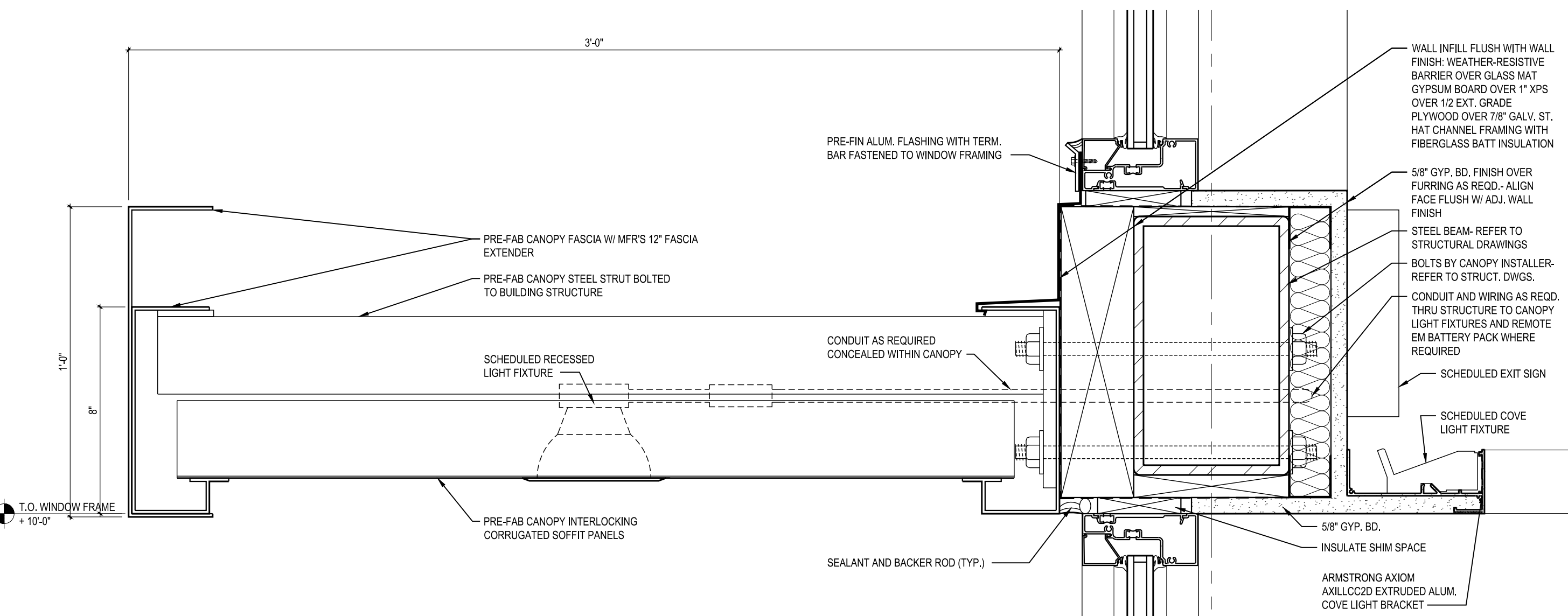
6 ACM / GLAZING JAMB  
A5.1.3 3" = 1'-0"



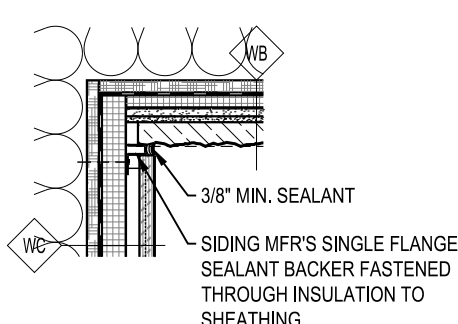
3 ENTRANCE THRESHOLD  
A5.1.3 3" = 1'-0"



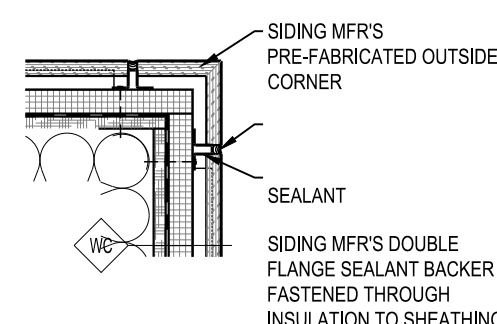
10 WALK-UP ATM CANOPY  
A5.1.3 3" = 1'-0"



9 TYP. ENTRANCE CANOPY  
A5.1.3 3" = 1'-0"

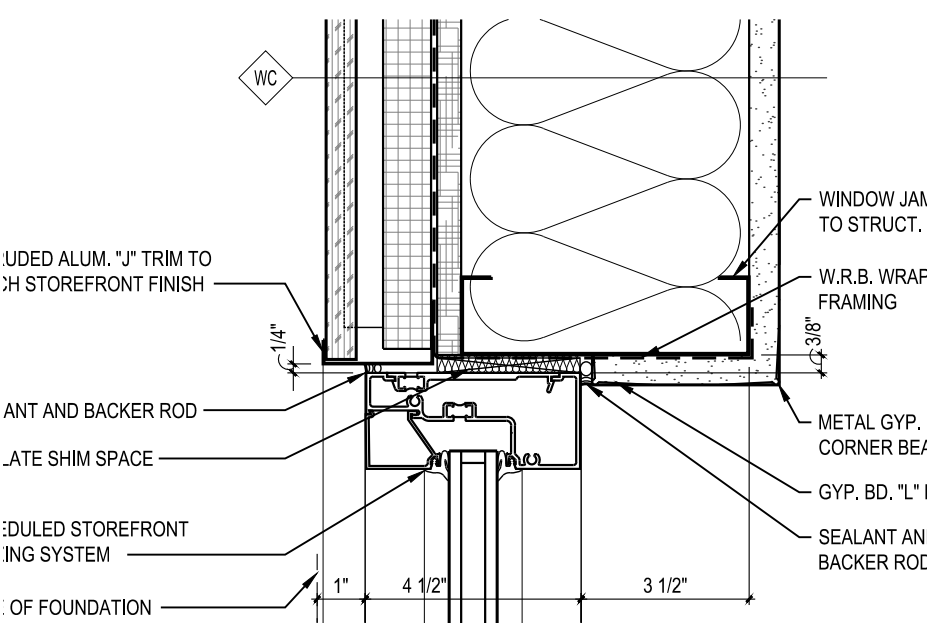


5A: INSIDE CORNER AT STONE / CEMENT BOARD SIMILAR

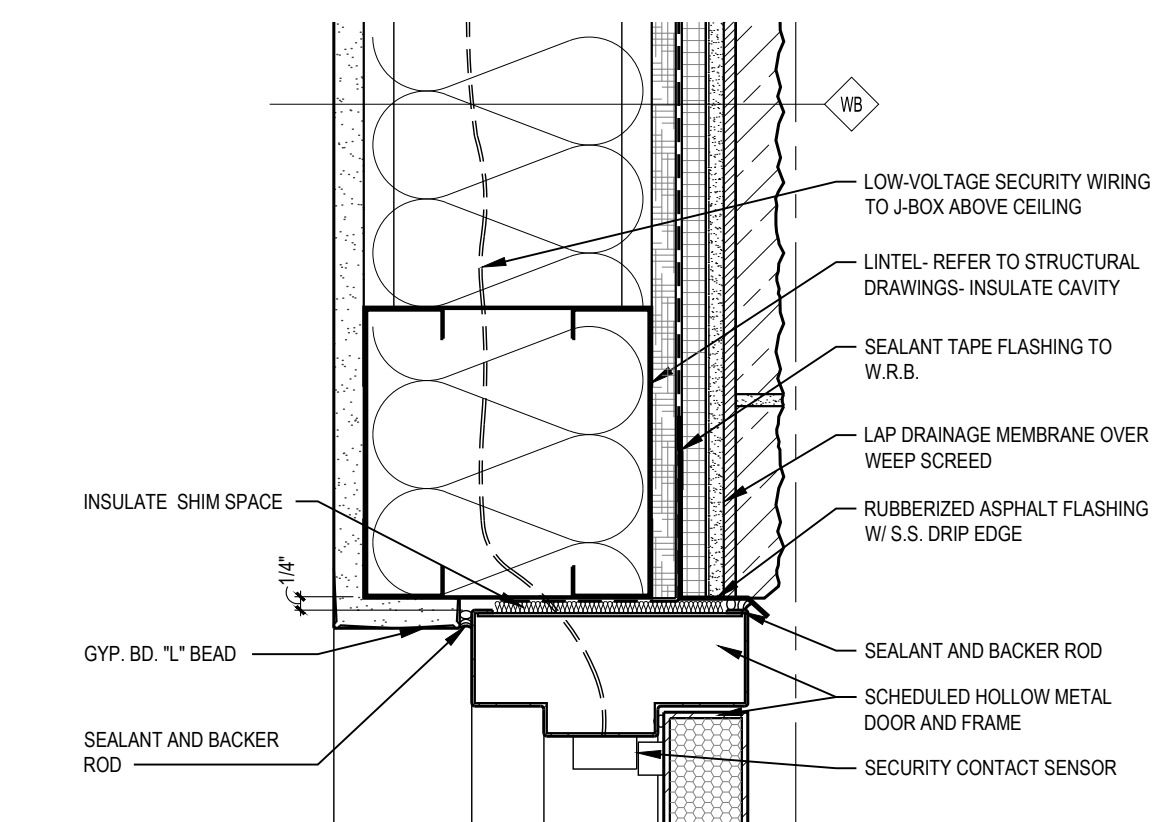


5B: OUTSIDE CORNER

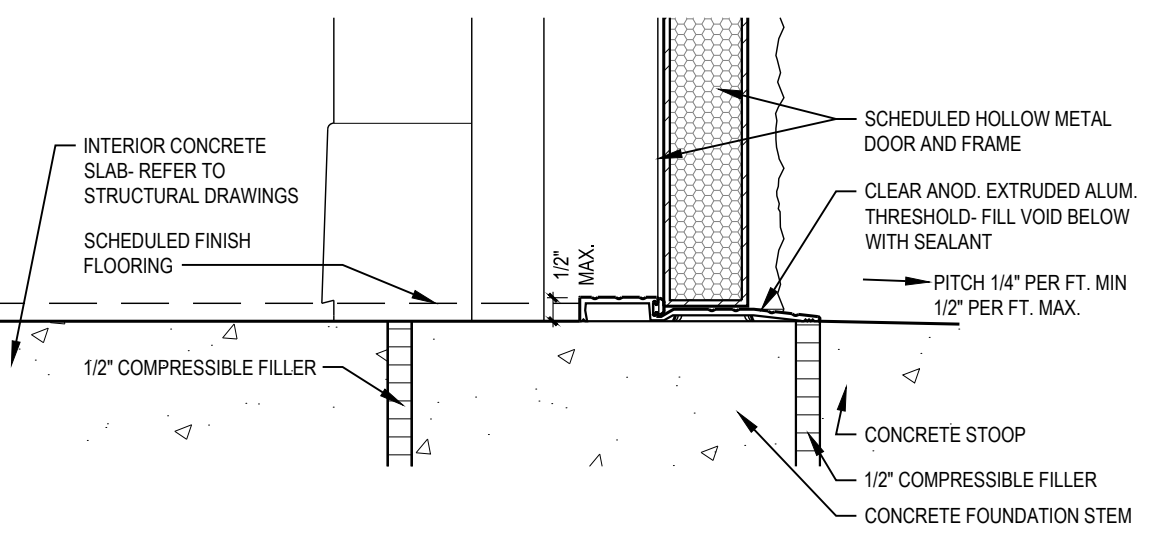
5 FIBER CEMENT CORNER DETAILS  
A5.1.3 1 1/2" = 1'-0"



4 FIBER CEMENT / GLAZING JAMB  
A5.1.3 3" = 1'-0"



2 EXTERIOR DOOR HEAD (JAMB SIMILAR)  
A5.1.3 3" = 1'-0"



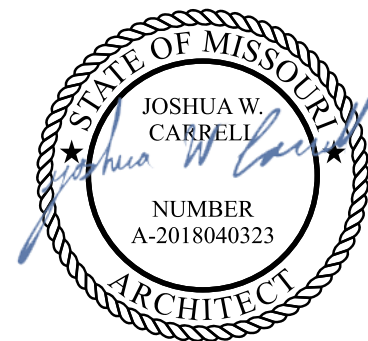
1 EXTERIOR DOOR THRESHOLD  
A5.1.3 3" = 1'-0"

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EBI JOB #4121000090

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1	04/11/2022	PERMIT REVISIONS

**CHASE**

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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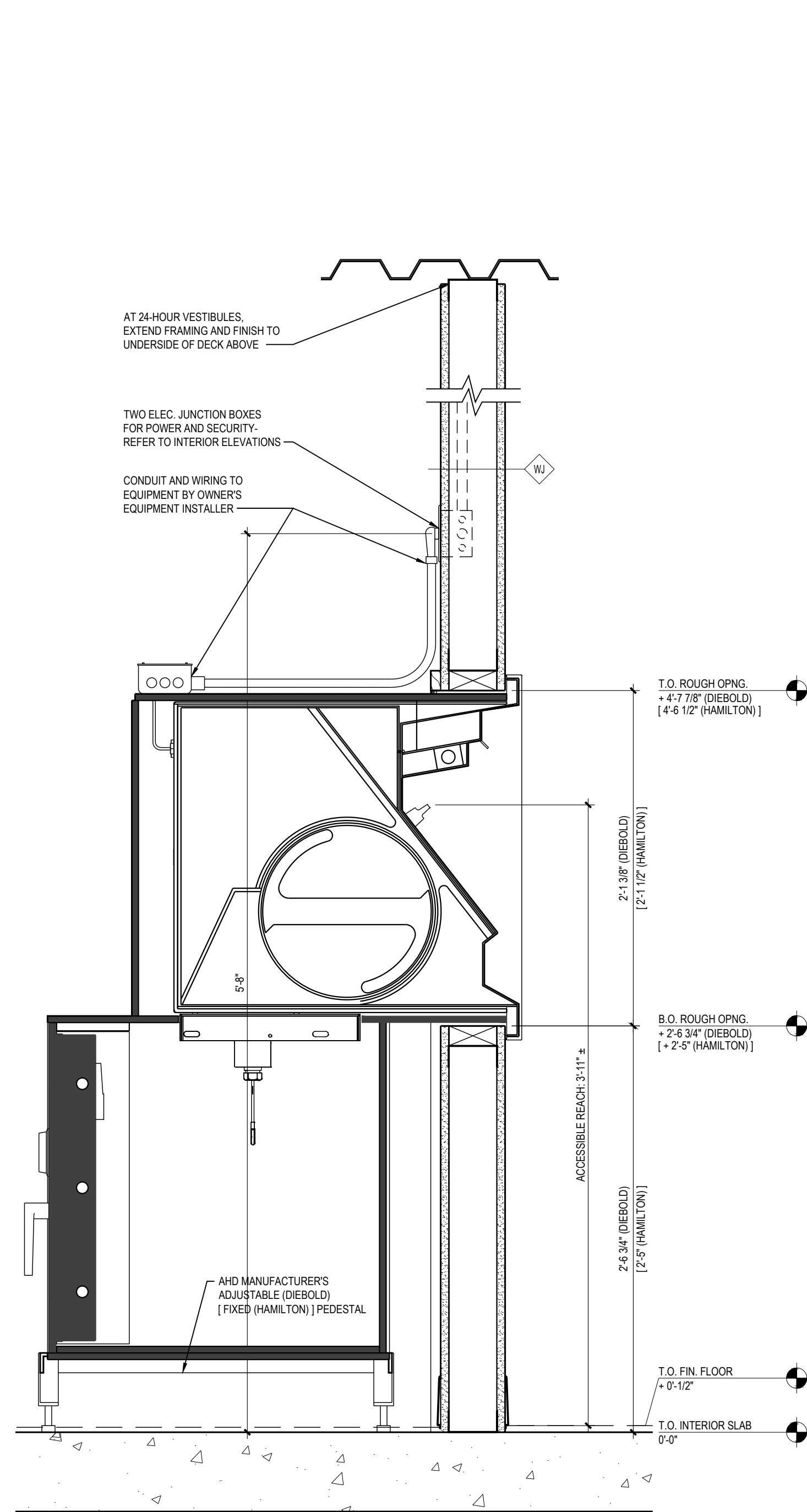
DETAILS: BUILDING ENVELOPE

02/04/2022

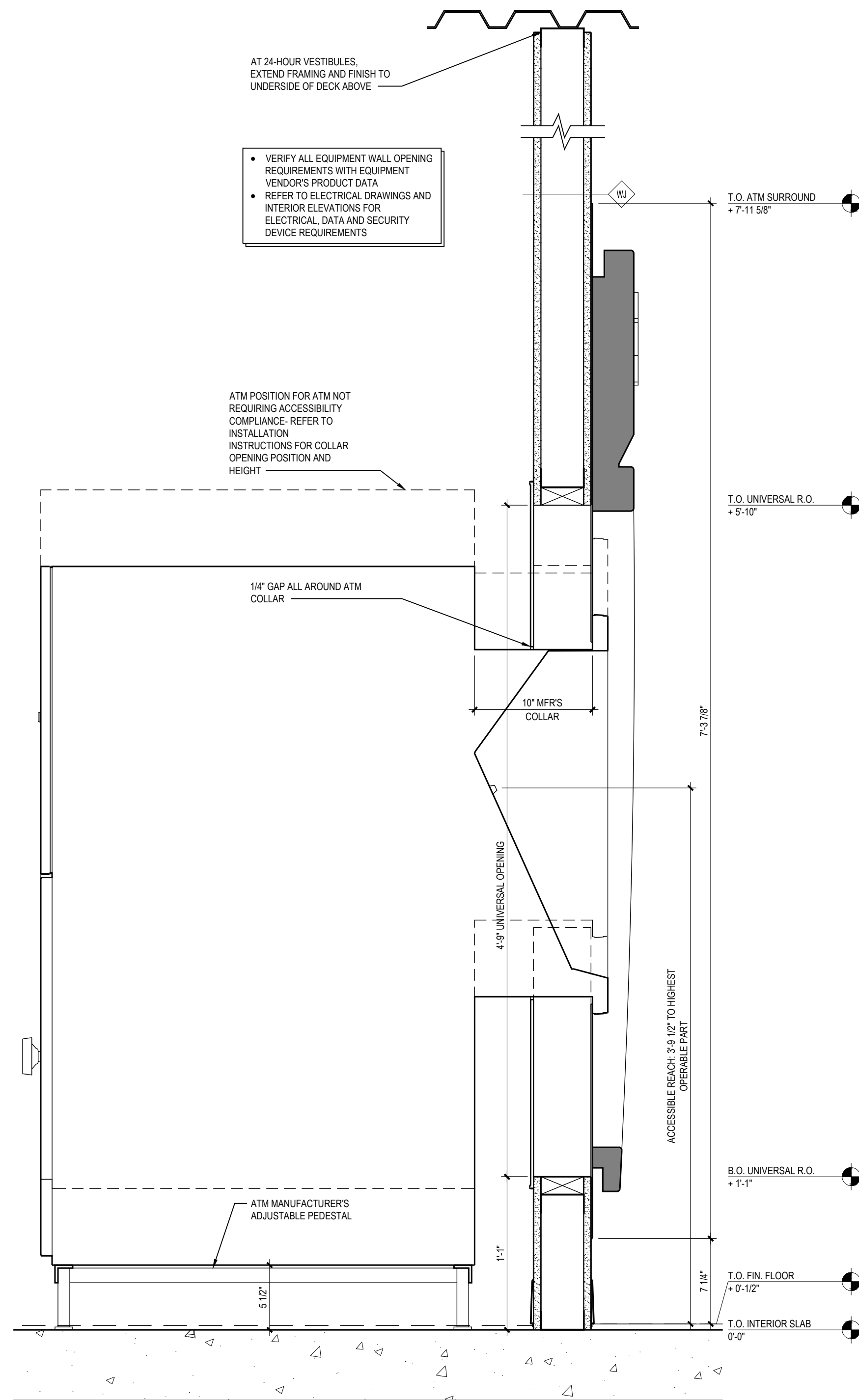
SHEET

A5.1.3





3 INTERIOR THROUGH-WALL AHD  
A5.2.1 1 1/2" = 1'-0"



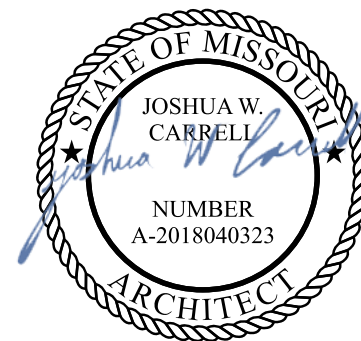
2 INTERIOR THROUGH-WALL ATM  
A5.2.1 1 1/2" = 1'-0"

PREPARED BY:  
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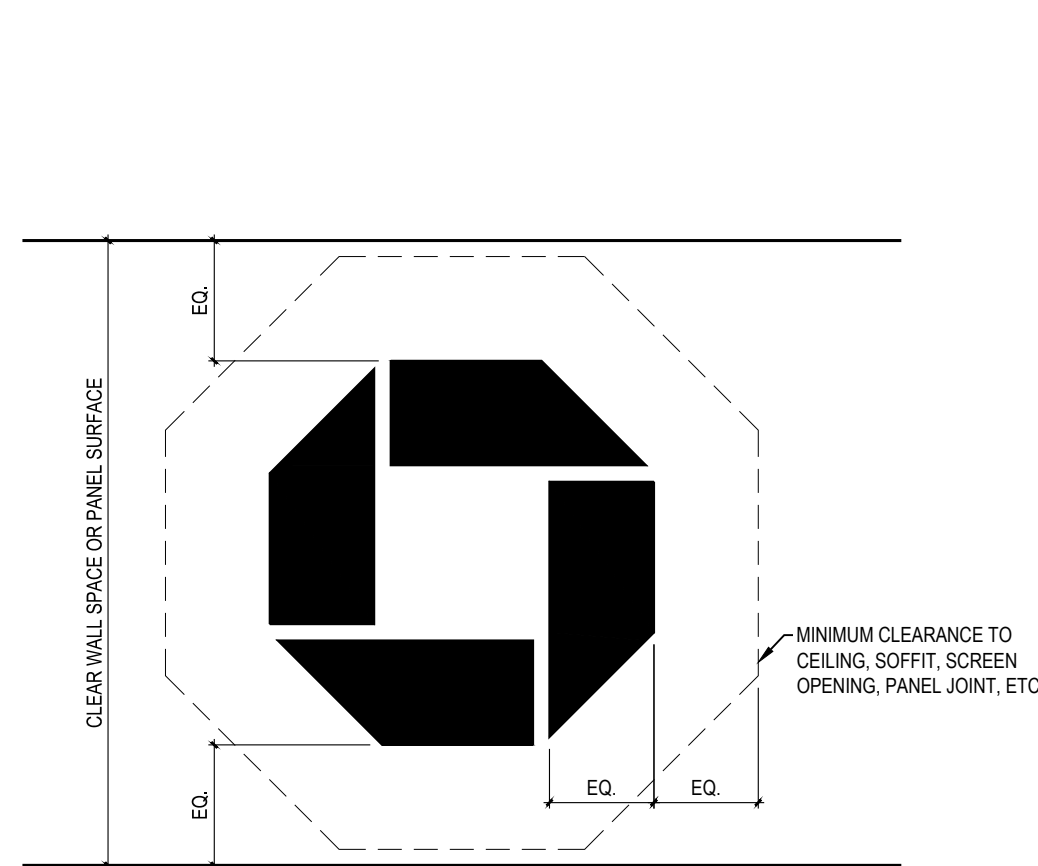
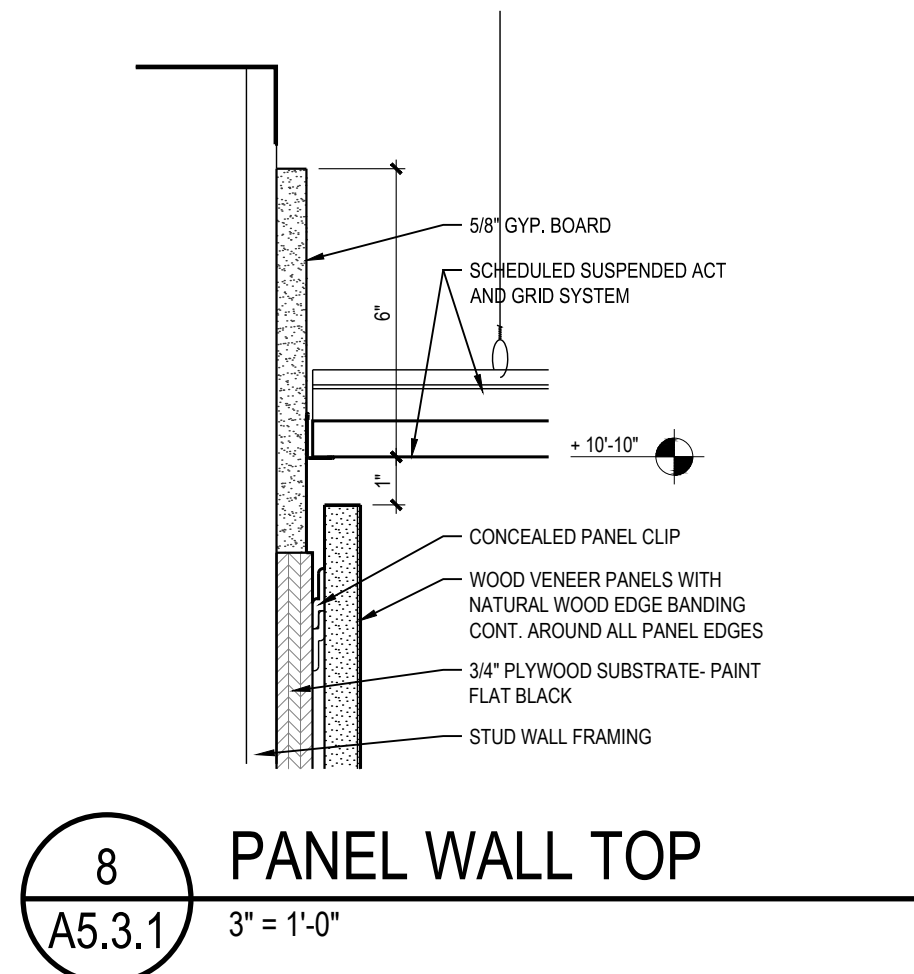
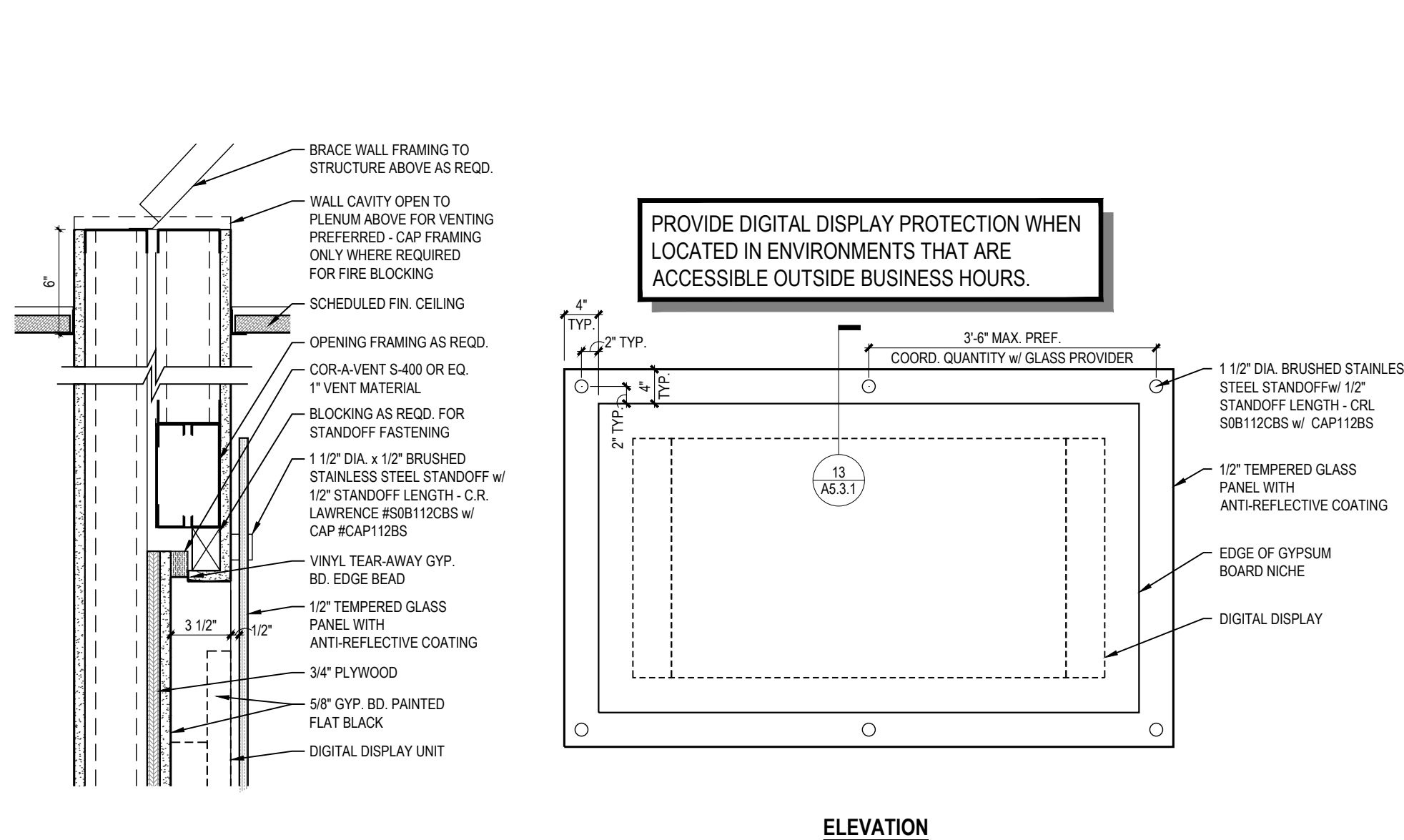
DETAILS:  
INTERIOR THROUGH-WALL ATM  
INTERIOR THROUGH-WALL AHD

02/04/2022

SHEET

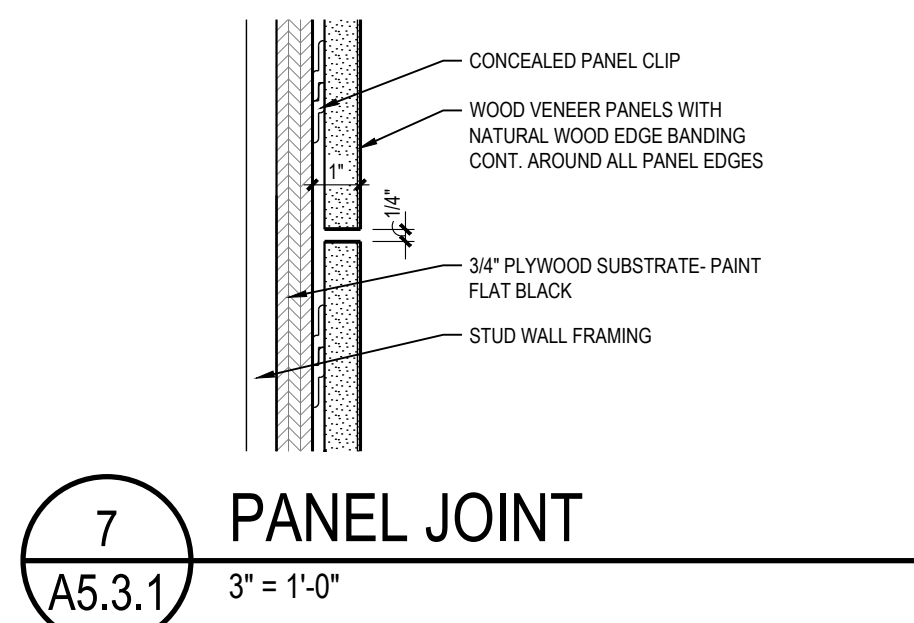
**A5.2.1**



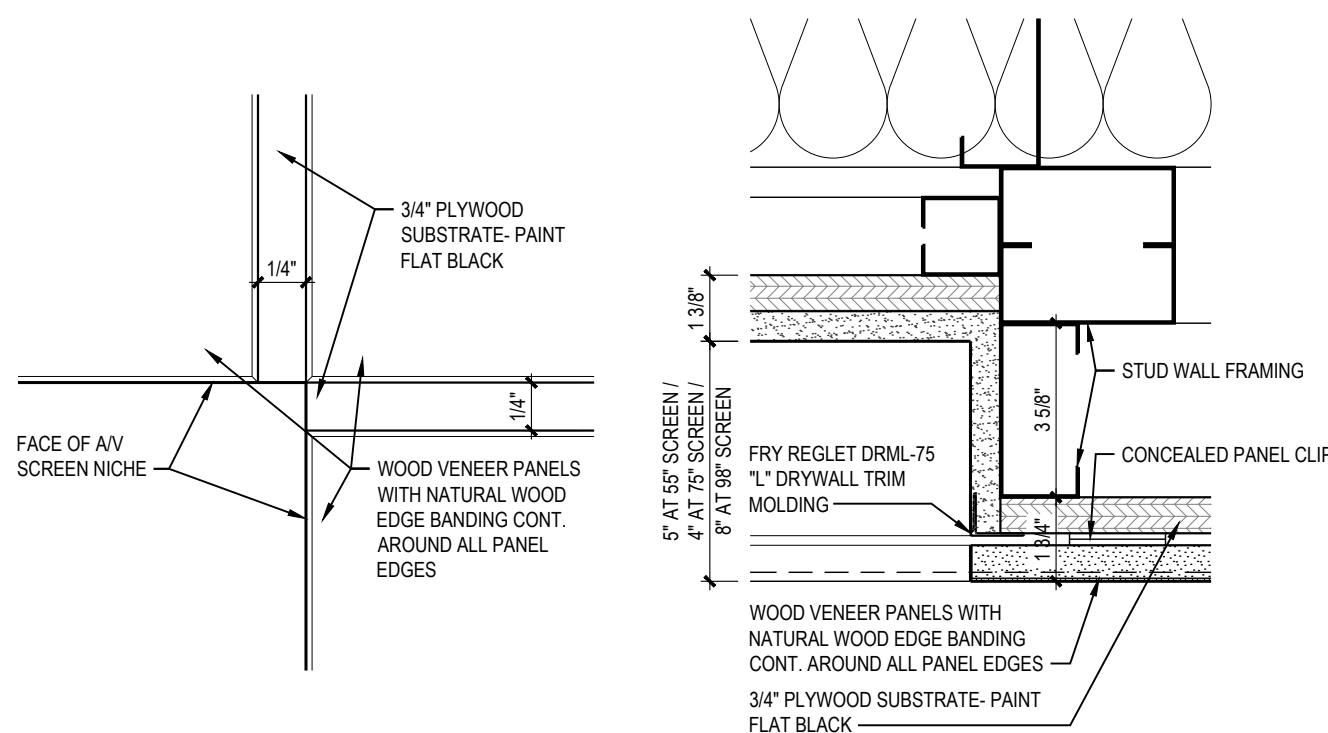


13  
A5.3.1  
DIGITAL DISPLAY PROTECTION  
1 1/2" = 1'-0"

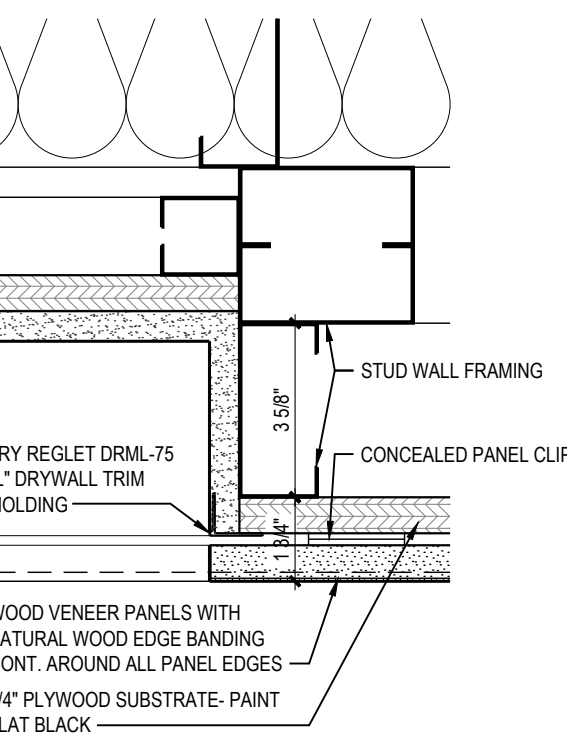
12  
A5.3.1  
DIGITAL DISPLAY PROTECTION  
3/4" = 1'-0"



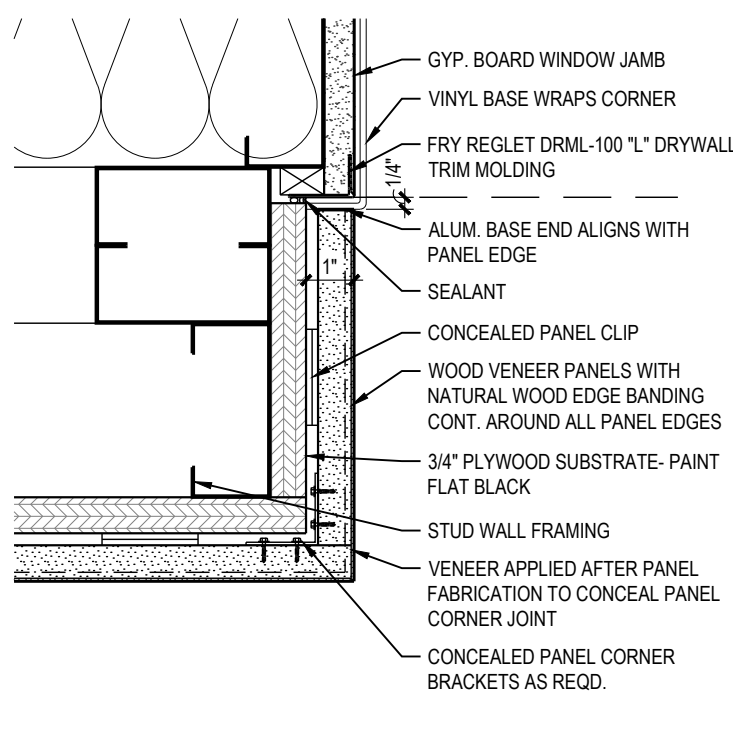
14  
A5.3.1  
OCTAGON MINIMUM SPACING  
1 1/2" = 1'-0"



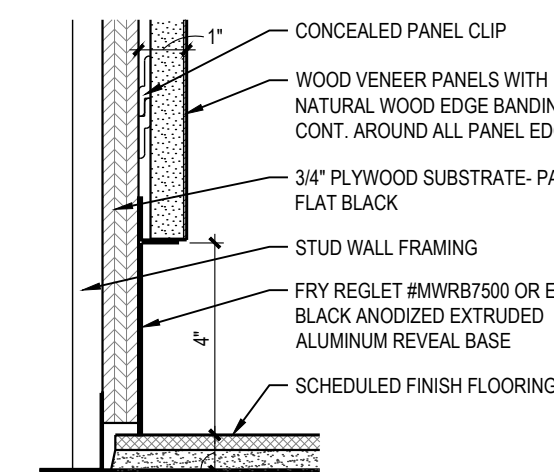
11  
A5.3.1  
PANEL JOINT ALIGNMENT  
FULL SCALE



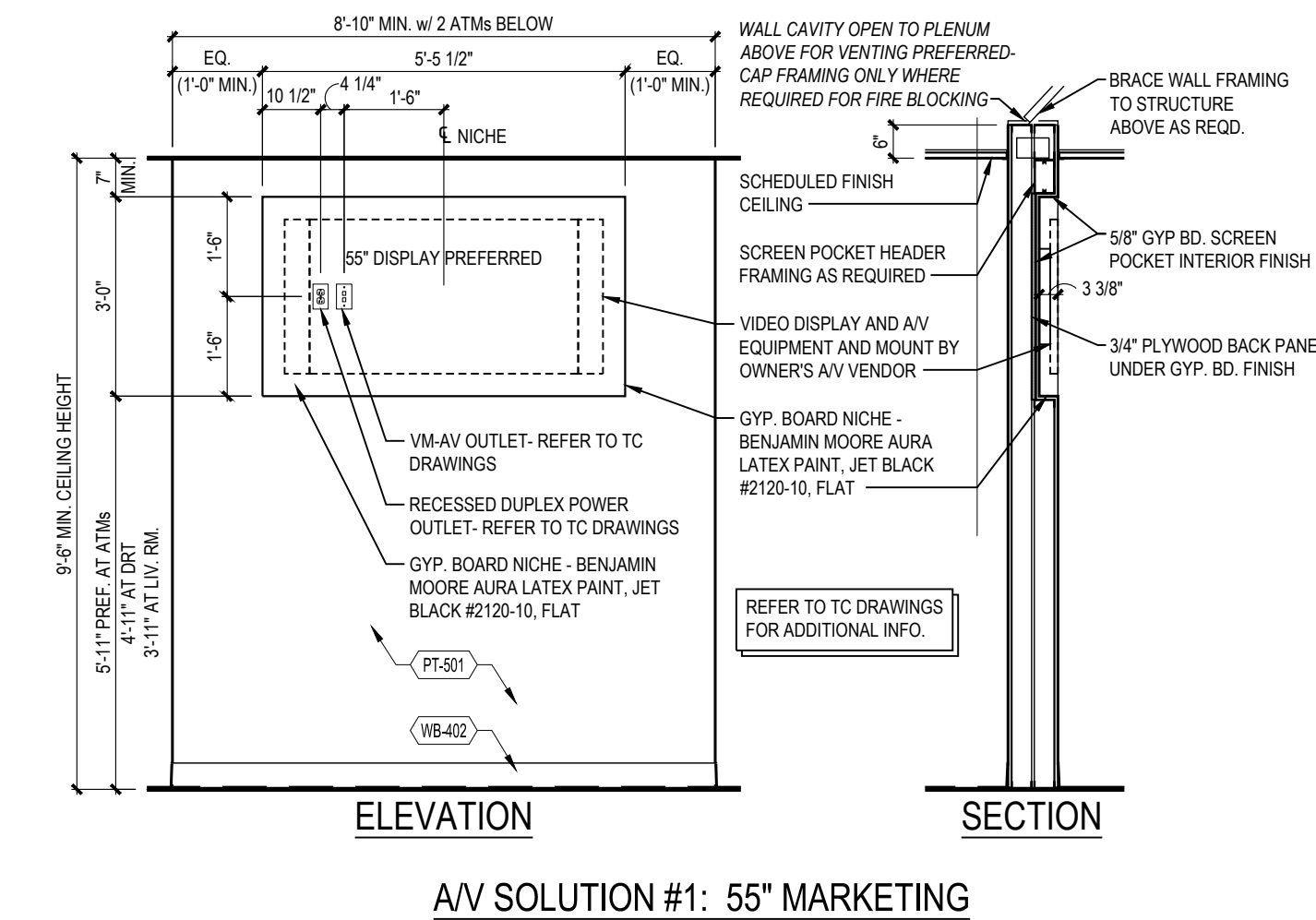
10  
A5.3.1  
SCREEN NICHE  
3" = 1'-0"



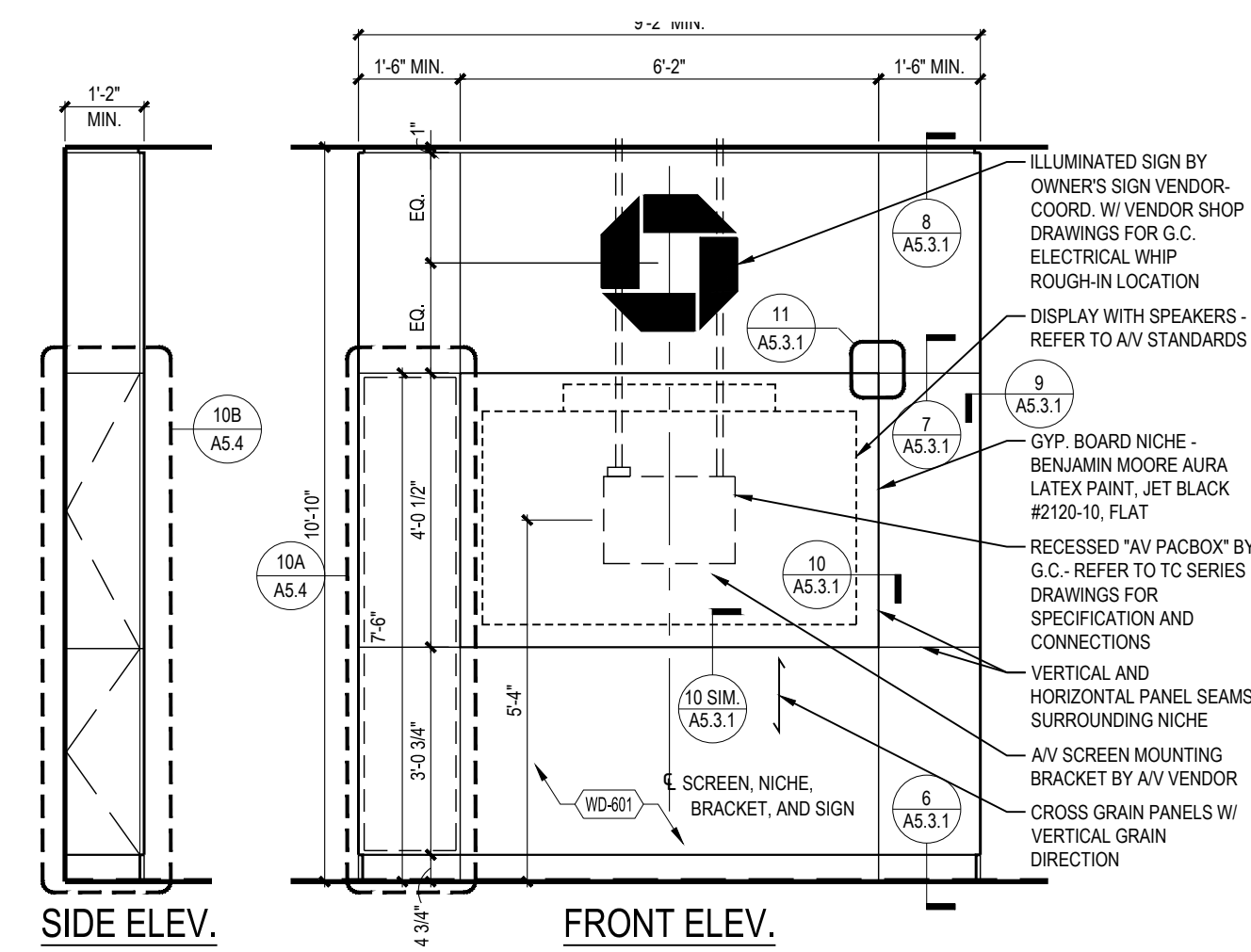
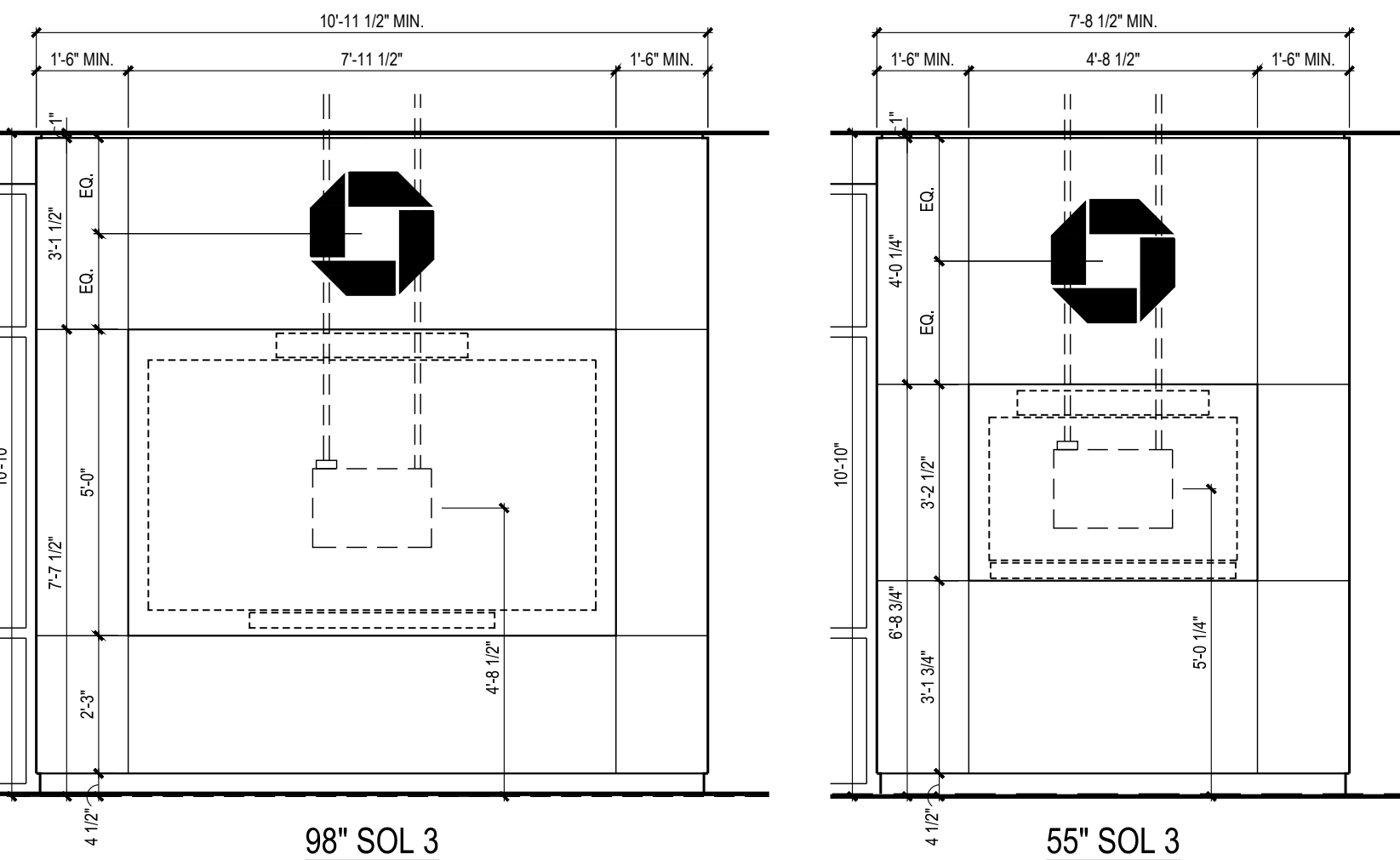
9  
A5.3.1  
PANEL WALL CORNER  
3" = 1'-0"



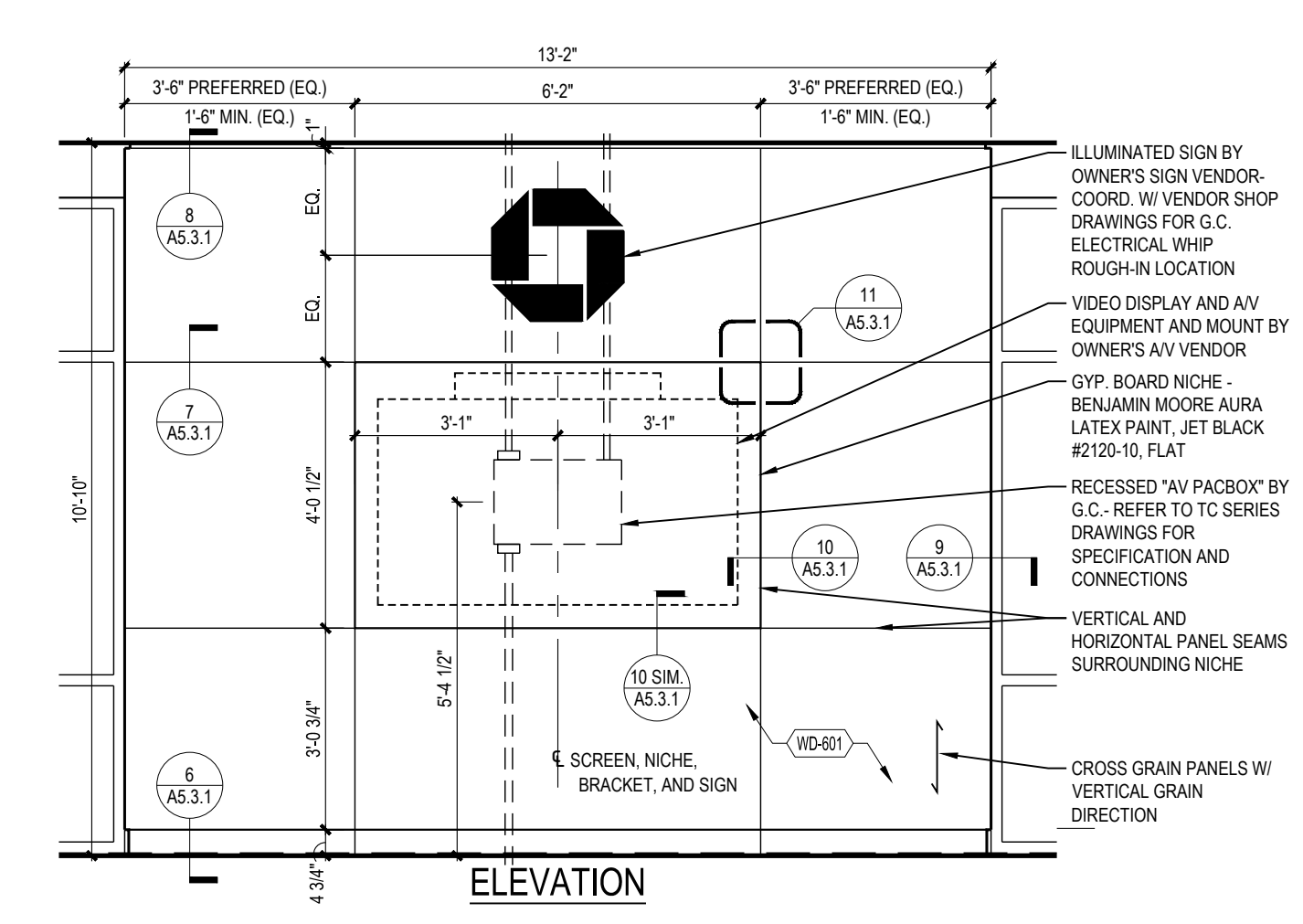
6  
A5.3.1  
PANEL WALL BASE  
3" = 1'-0"



5  
A5.3.1  
TYPICAL AV MARKETING WALL  
3/8" = 1'-0"



AV SOLUTION #3: 75" TELEPRESENCE W/ BUILT-IN TP CONTROLS



AV SOLUTION #3: 75" TELEPRESENCE

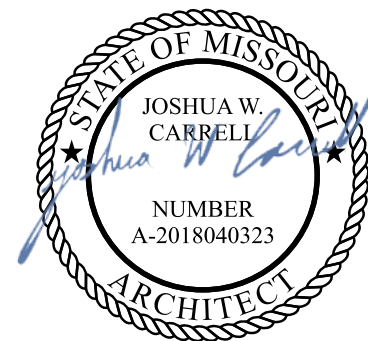
4  
A5.3.1  
PANELED AV TELEPRESENCE WALL  
3/8" = 1'-0"

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PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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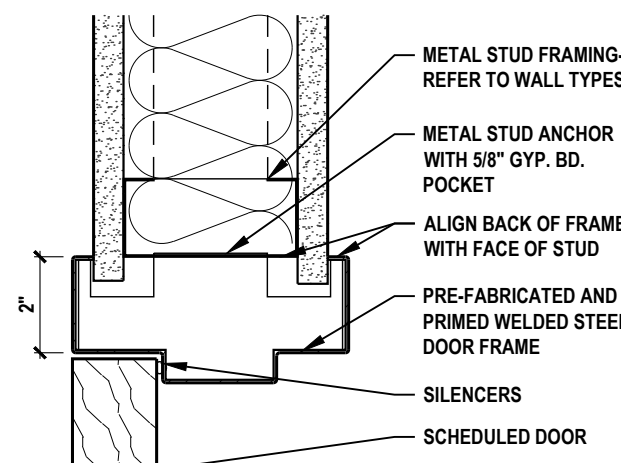
INTERIOR DETAILS:  
OVERHEAD COILING DOORS  
DIGITAL DISPLAYS  
TELEPRESENCE  
MILLWORK WALL PANELS

02/04/2022

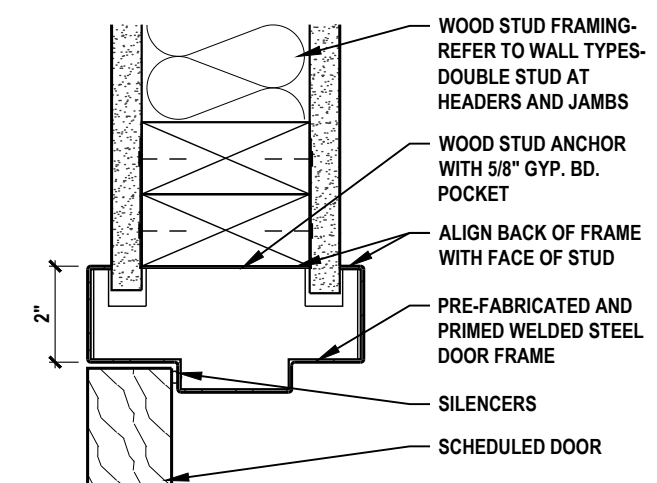
SHEET

A5.3.1





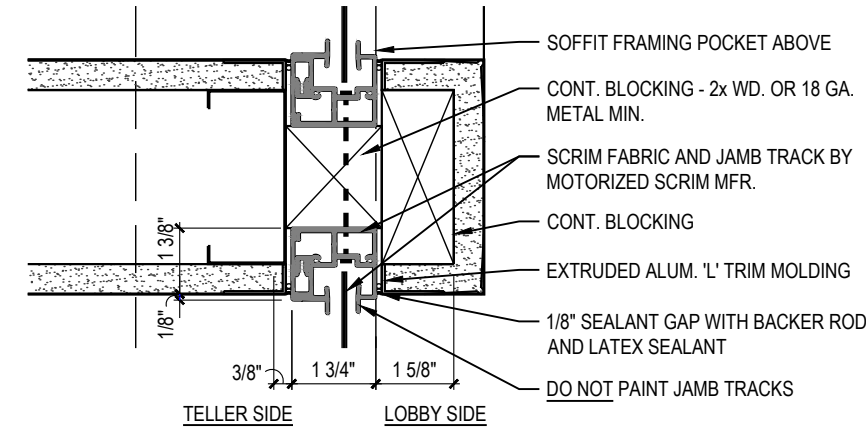
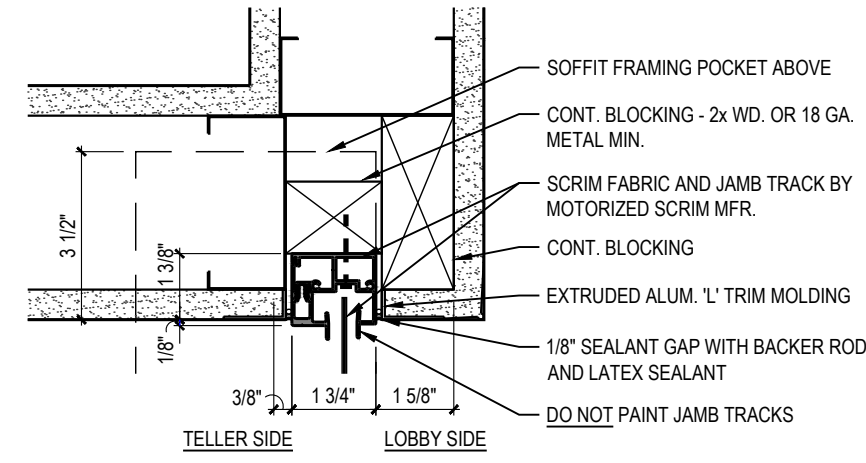
METAL FRAMING



WOOD FRAMING

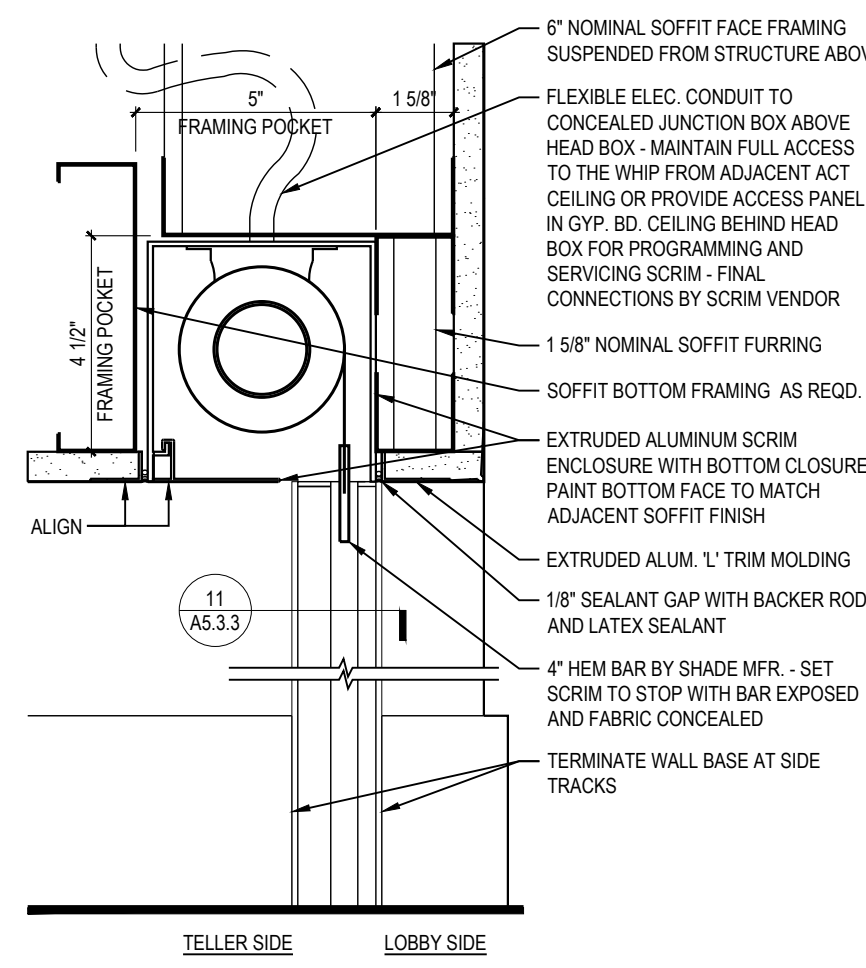
13  
A5.3.2  
3" = 1'-0"

INTERIOR DOOR HEAD / JAMB SIM.



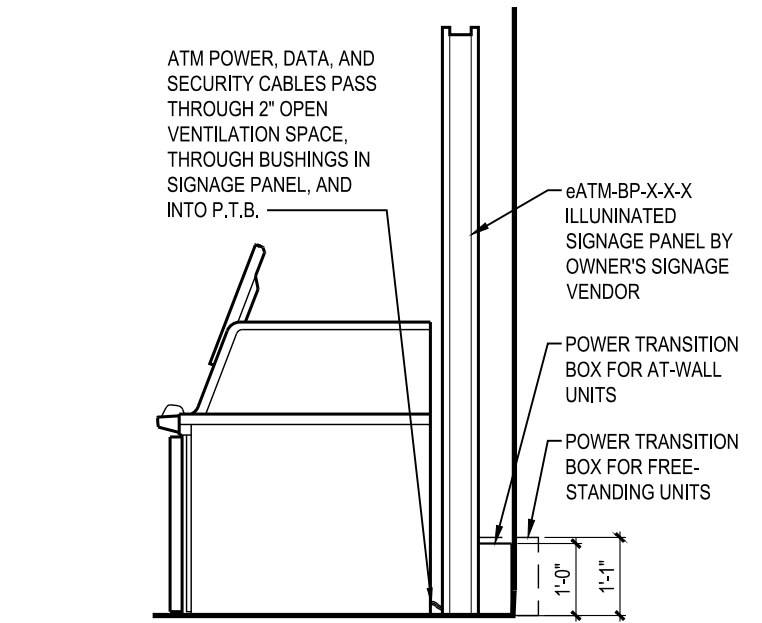
11  
A5.3.2  
3" = 1'-0"

SCRIM JAMB

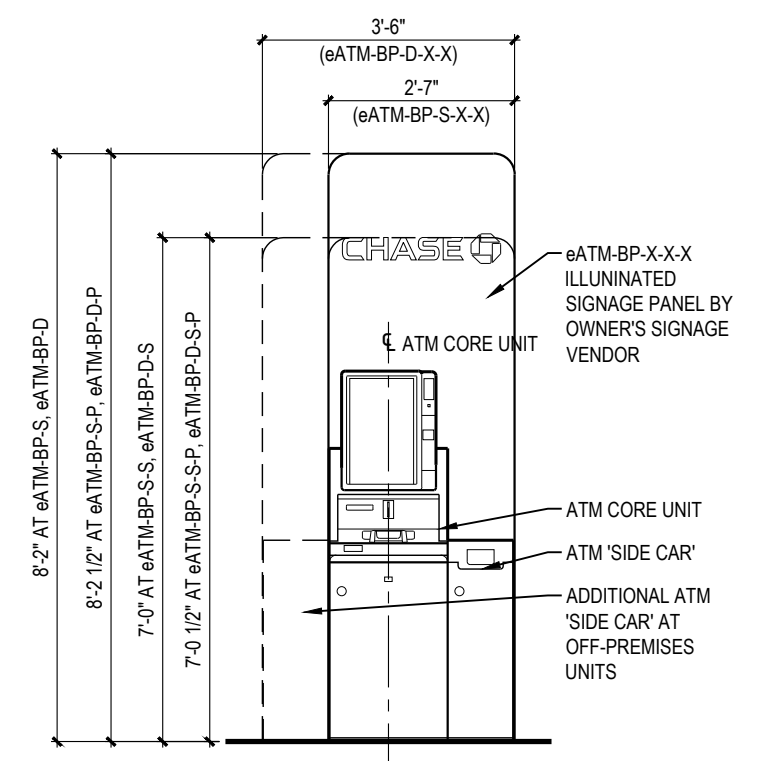


10  
A5.3.2  
3" = 1'-0"

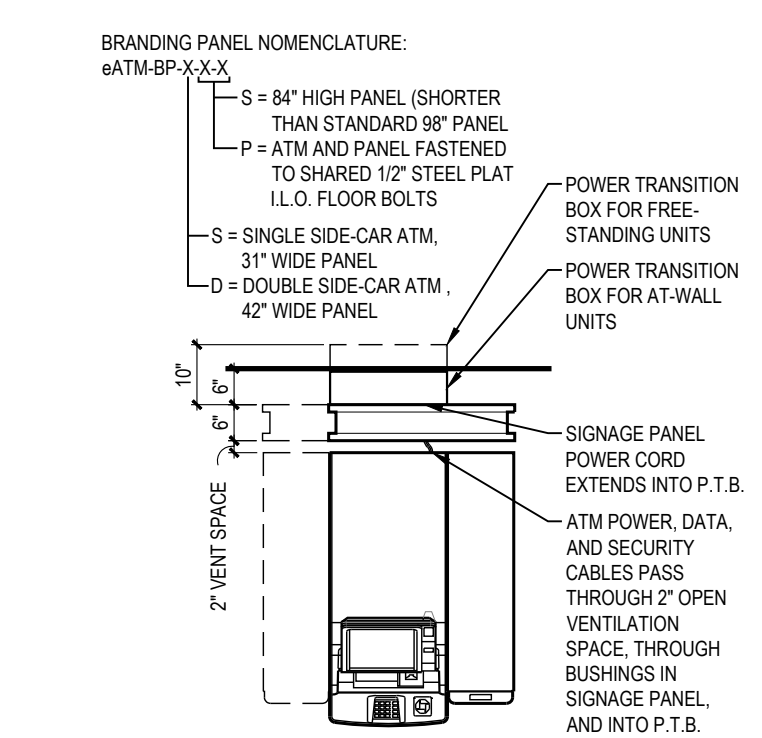
SCRIM HEAD



9C: SIDE



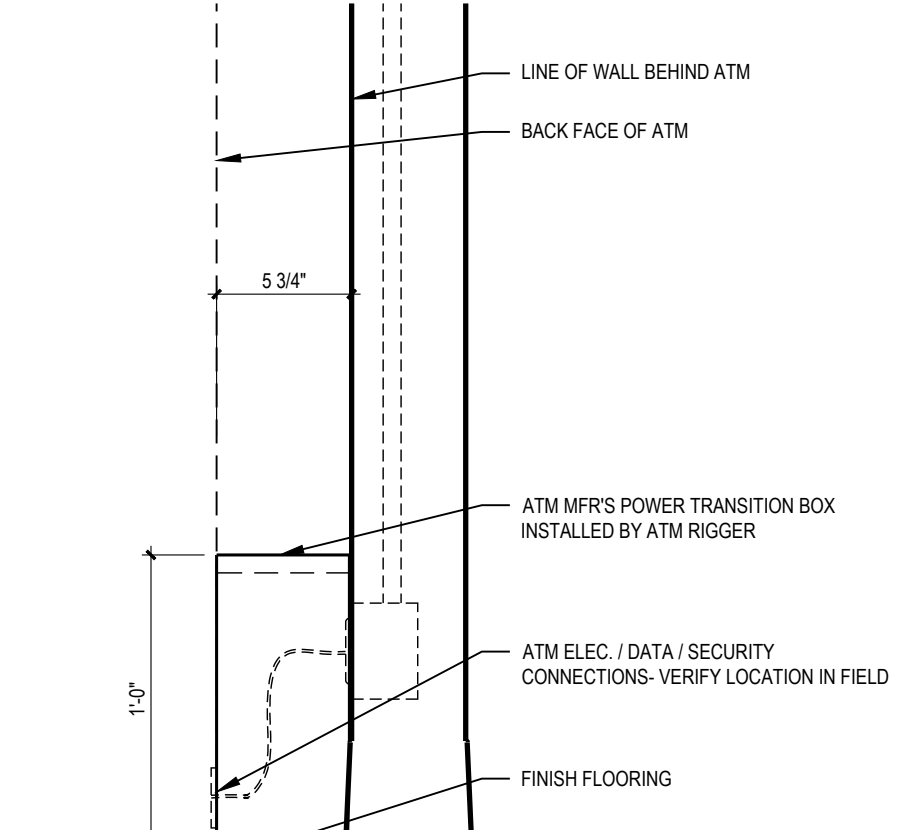
9B: FRONT



9A: PLAN

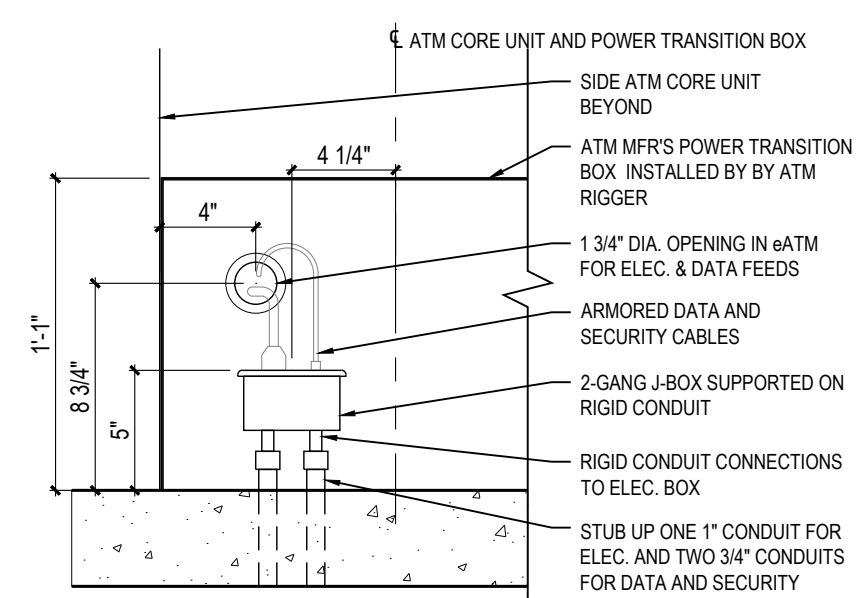
9  
A5.3.2  
3/8" = 1'-0"

ATM BRANDING PANEL



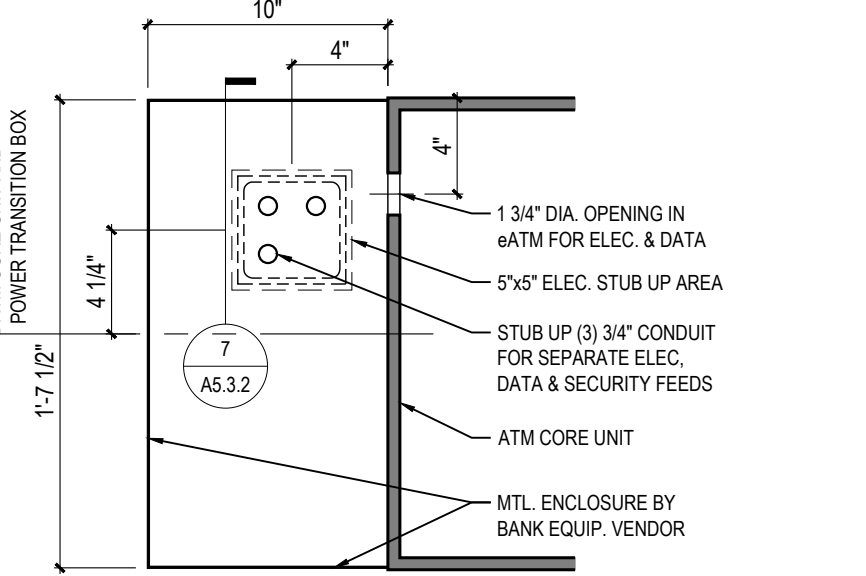
ATM MANUFACTURER'S  
POWER TRANSITION BOX

8  
A5.3.2  
1 1/2" = 1'-0"



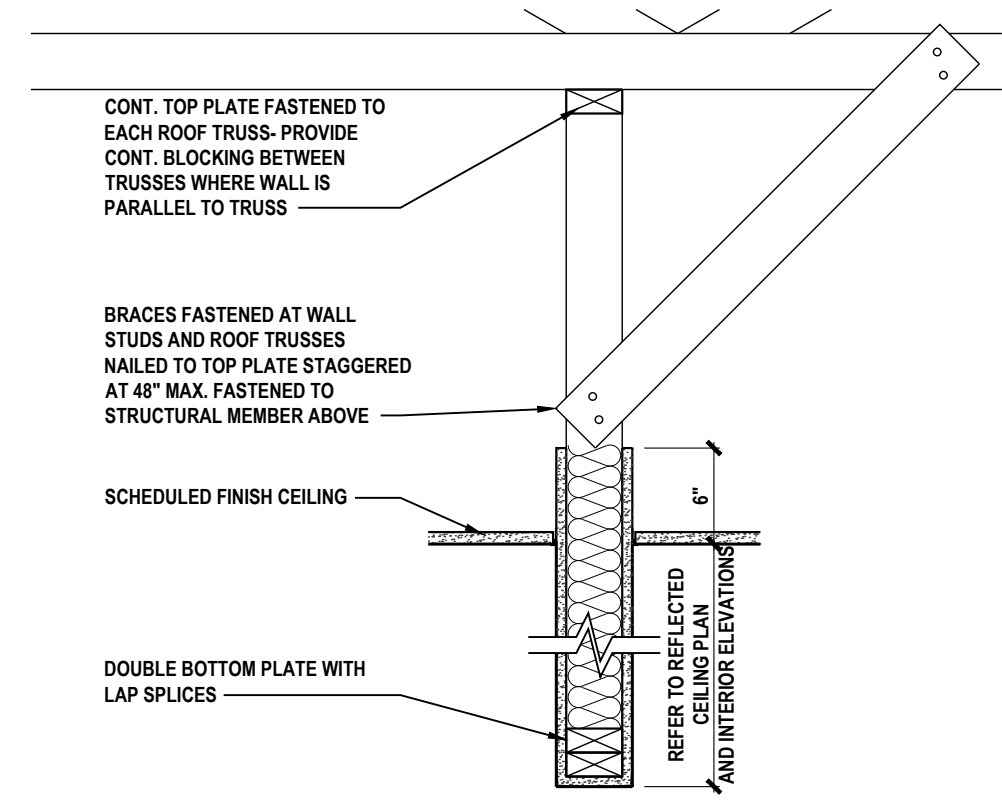
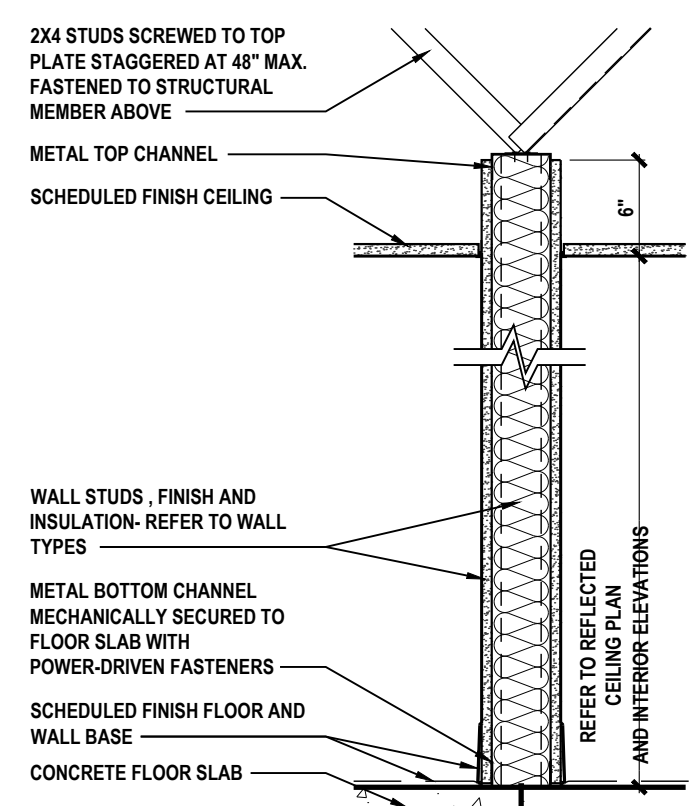
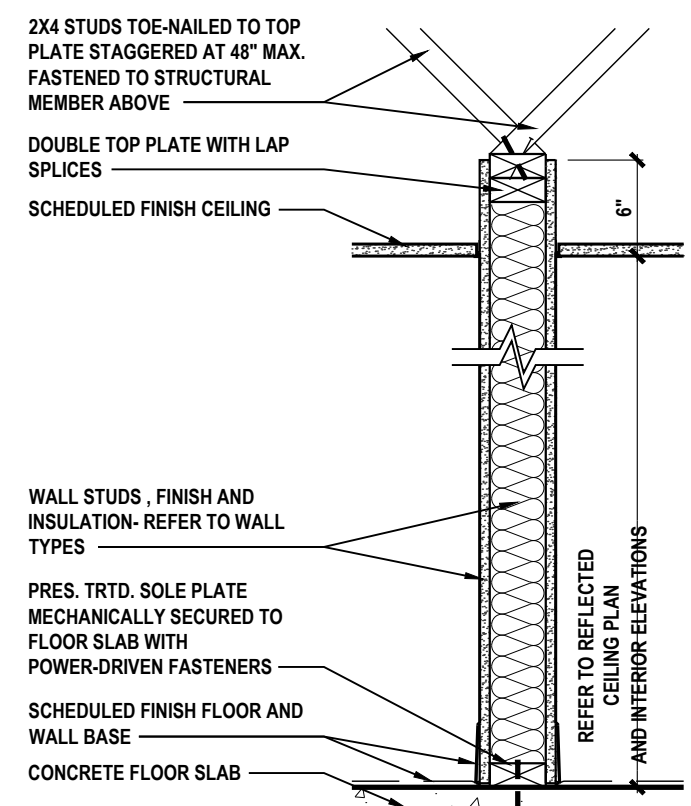
FREESTANDING ATM - ELEC./DATA/  
SECURITY ROUGH-INS (VERT.)

7  
A5.3.2  
1 1/2" = 1'-0"



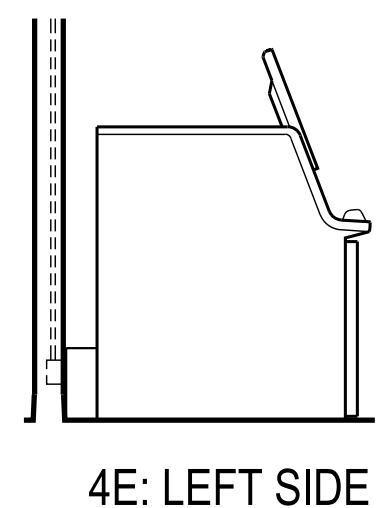
FREESTANDING ATM- ELEC./DATA/  
SECURITY ROUGH-INS (HORIZ.)

6  
A5.3.2  
1 1/2" = 1'-0"

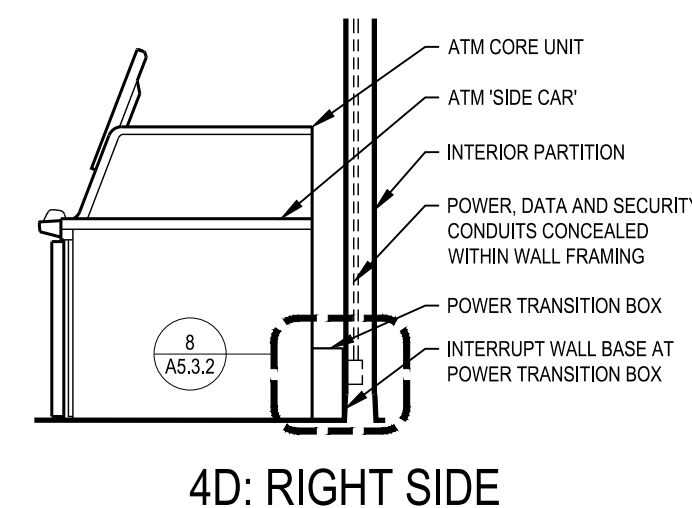


12  
A5.3.2  
1" = 1'-0"

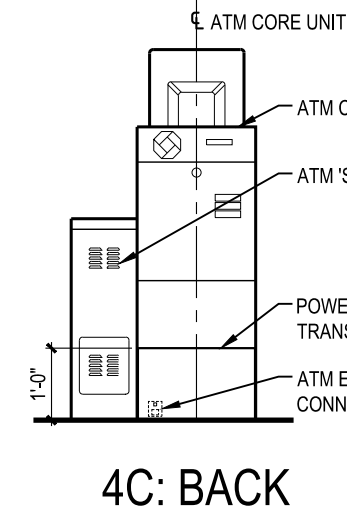
INTERIOR PARTITION BRACING



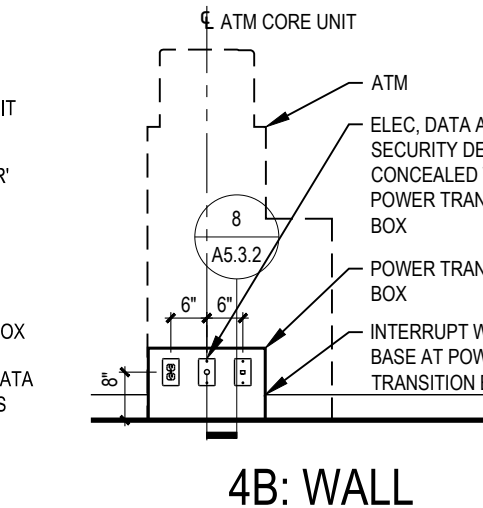
4E: LEFT SIDE



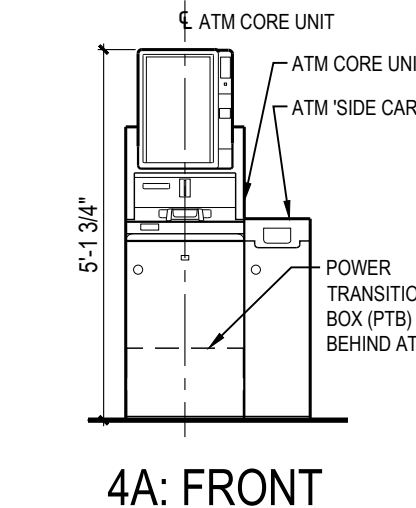
4D: RIGHT SIDE



4C: BACK



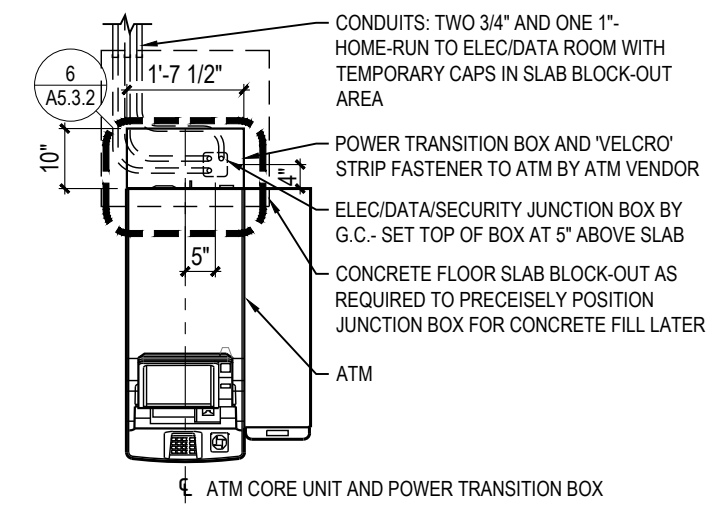
4B: WALL



4A: FRONT

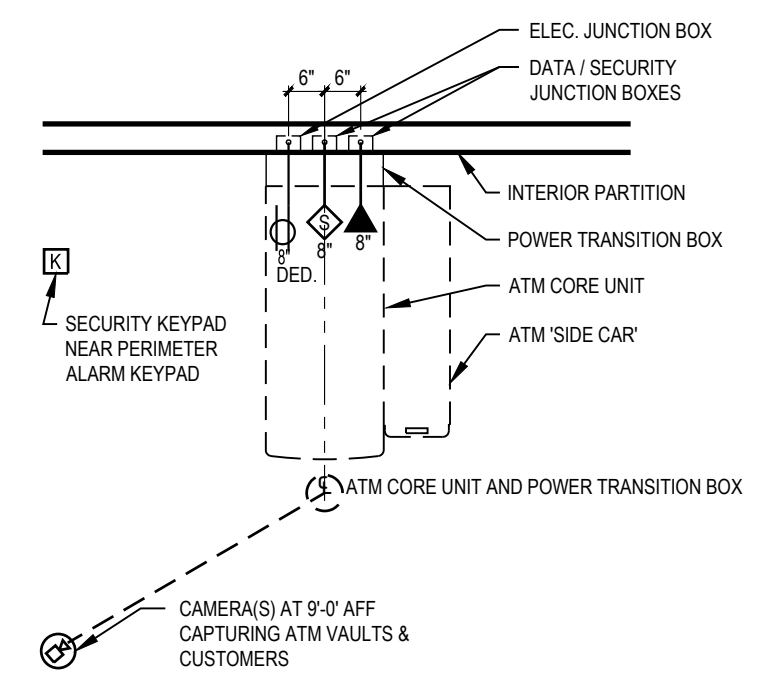
4  
A5.3.2  
3/8" = 1'-0"

ATM v3.0 ELEVATIONS-  
AGAINST WALL



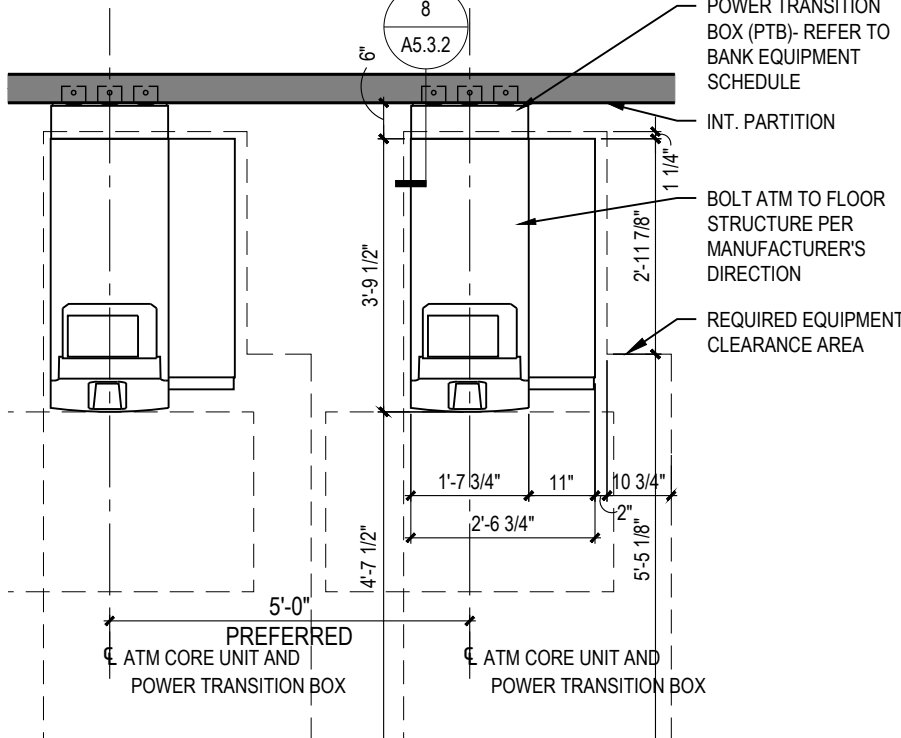
3  
A5.3.2  
3/8" = 1'-0"

ATM v3.0 PLAN-  
FREESTANDING



2  
A5.3.2  
3/8" = 1'-0"

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



1  
A5.3.2  
3/8" = 1'-0"

ATM v3.0  
FLOOR PLAN

PREPARED BY:  
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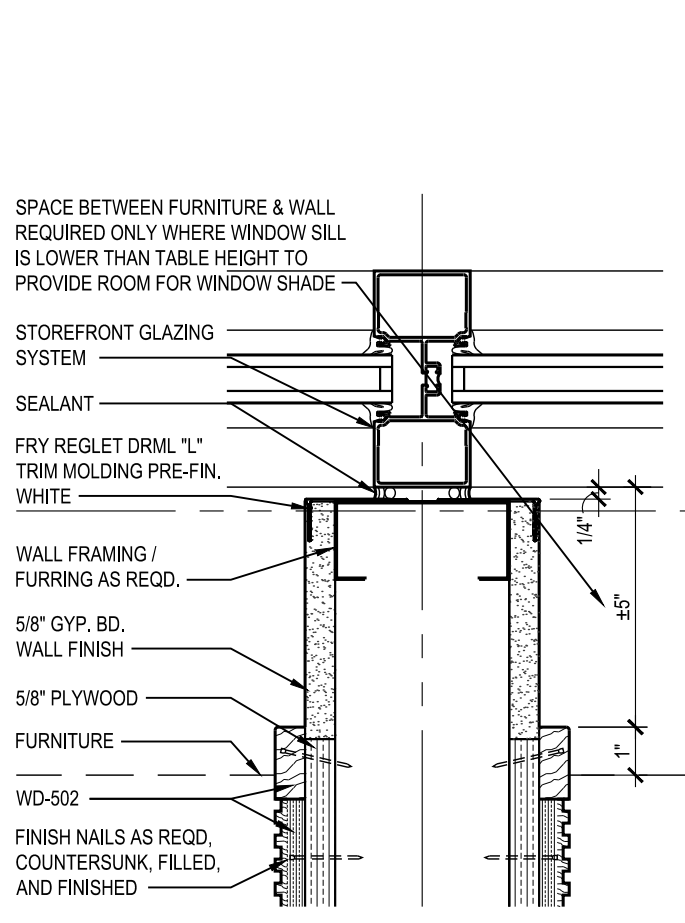
PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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INTERIOR DETAILS:	
FREESTANDING ATMs	
PARTITION BRACING	
INTERIOR DOORS	
SCRIM, SHADE POCKET	

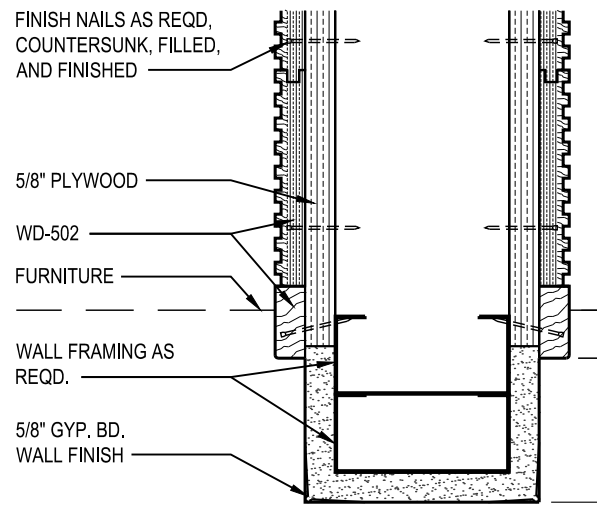
02/04/2022  
SHEET

A5.3.2

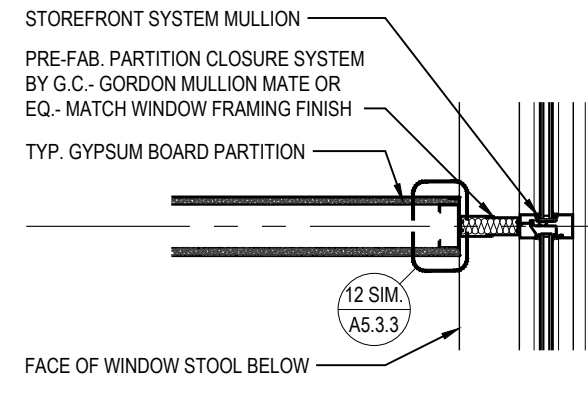




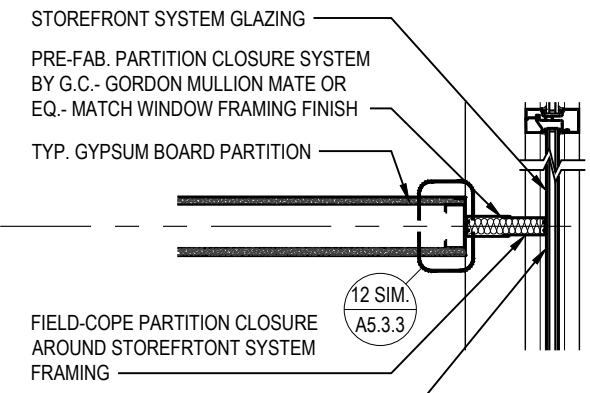
12  
A5.3.3  
BOOTH PARTITION  
AT STOREFRONT  
3" = 1'-0"



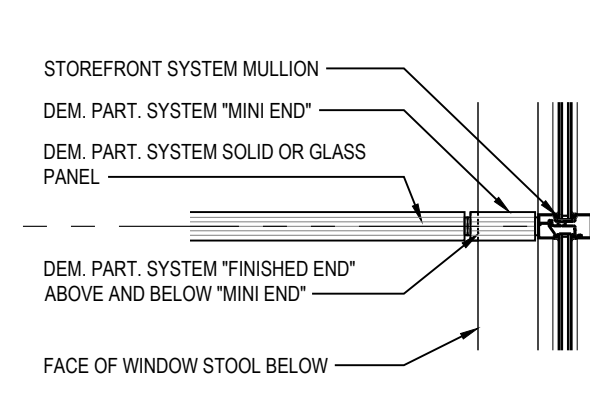
11  
A5.3.3  
BOOTH PARTITION  
LOBBY END  
3" = 1'-0"



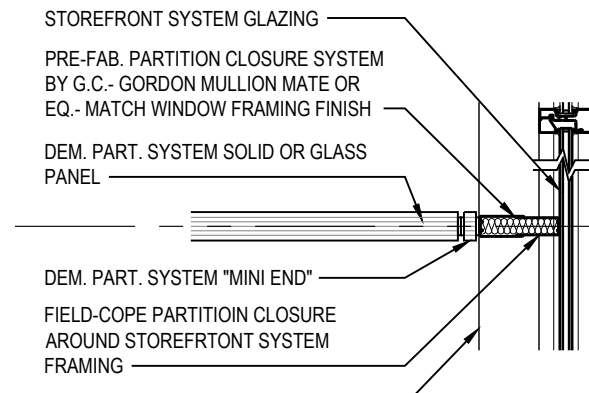
14A: GYPSUM PARTITION AT MULLION



15B: GYPSUM PARTITION AT GLASS

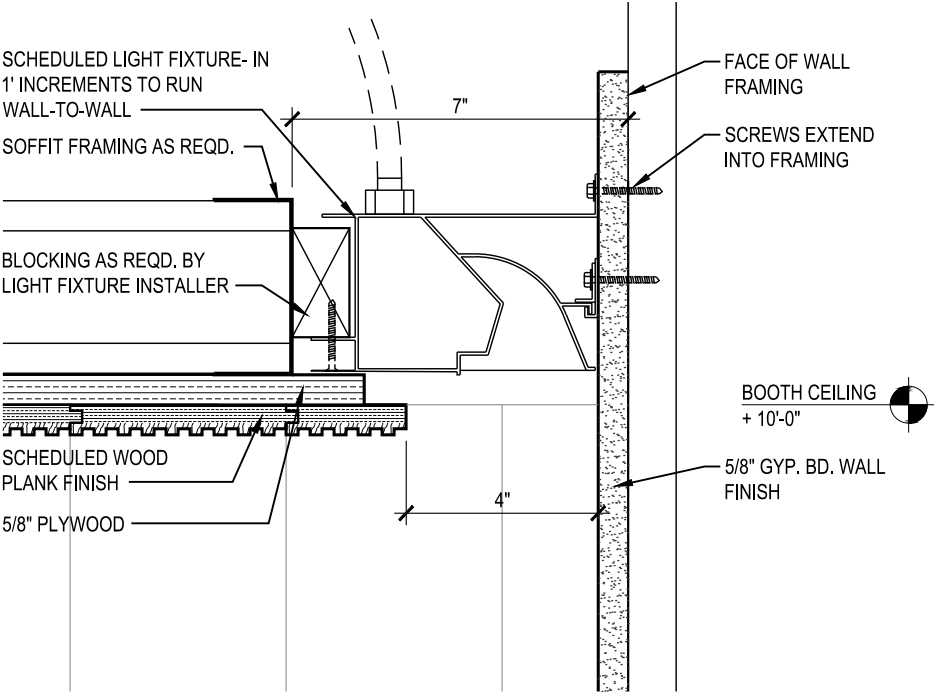


14C: DEMOUNT. PARTITION AT MULLION

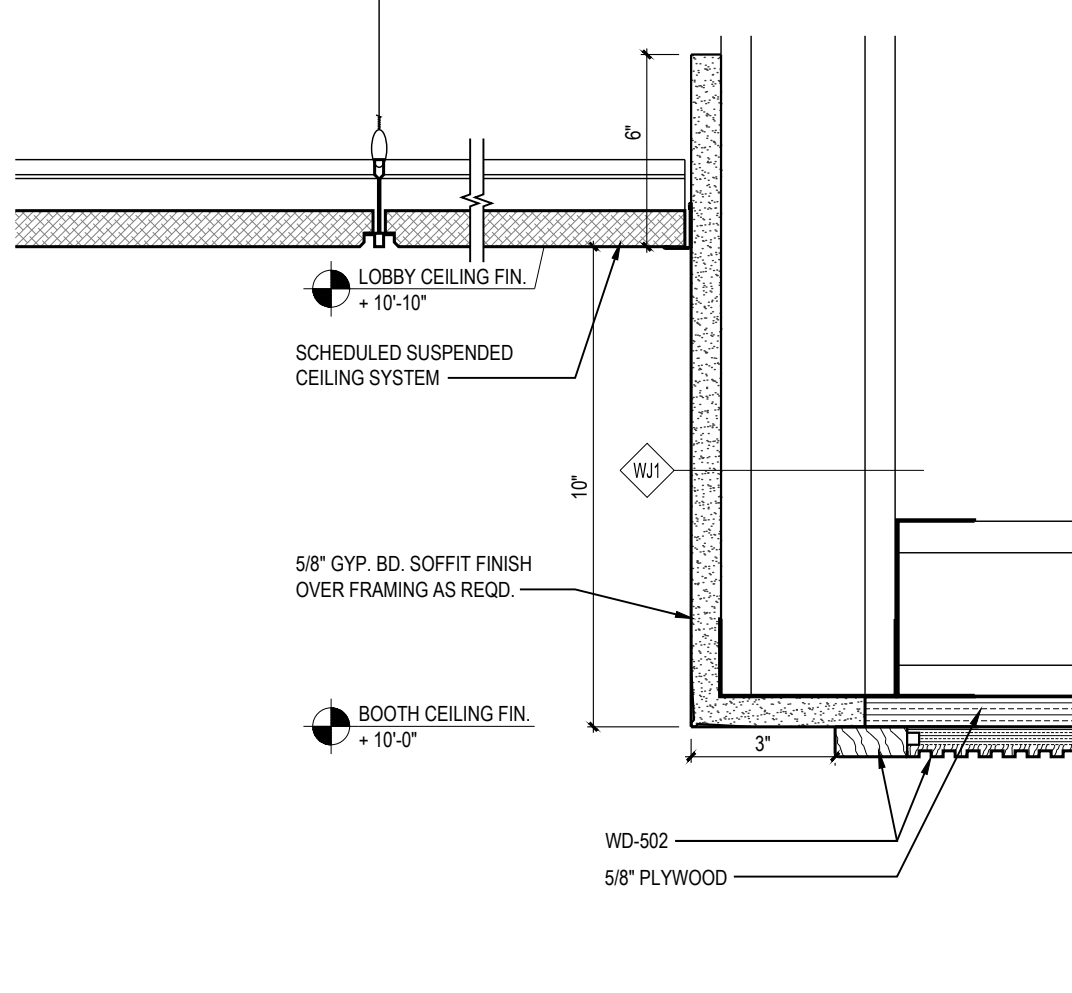


14D: DEMOUNT. PARTITION AT GLASS

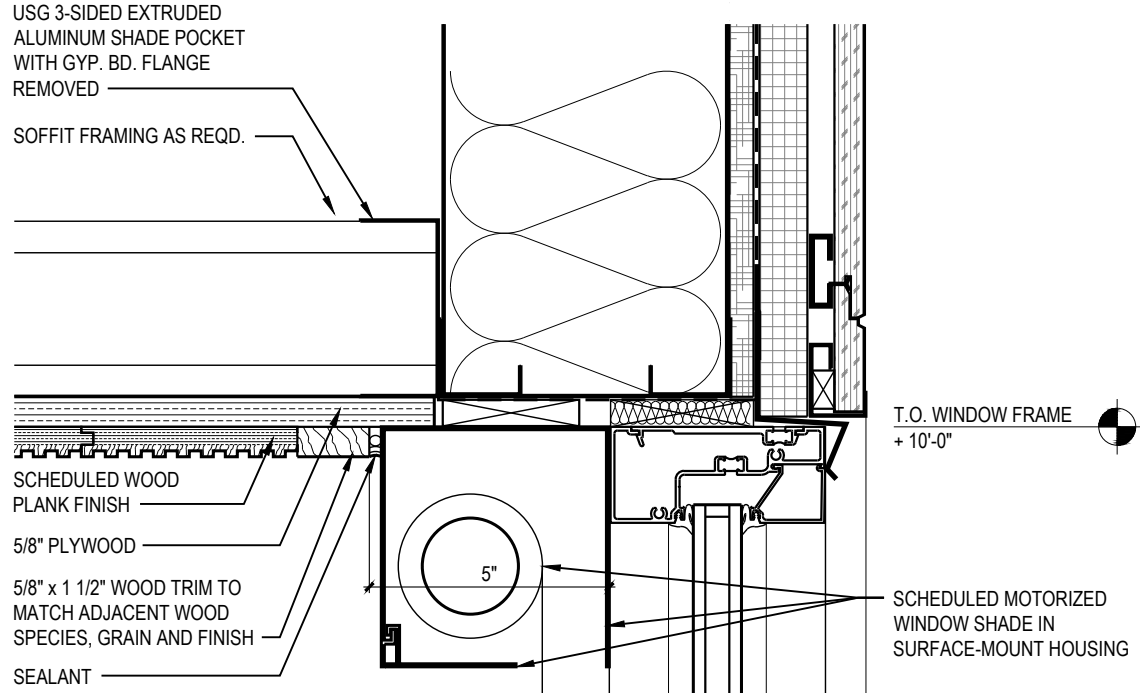
14  
A5.3.3  
TYP. PARTITION / STOREFRONT CLOSURE DETAILS  
3/4" = 1'-0"



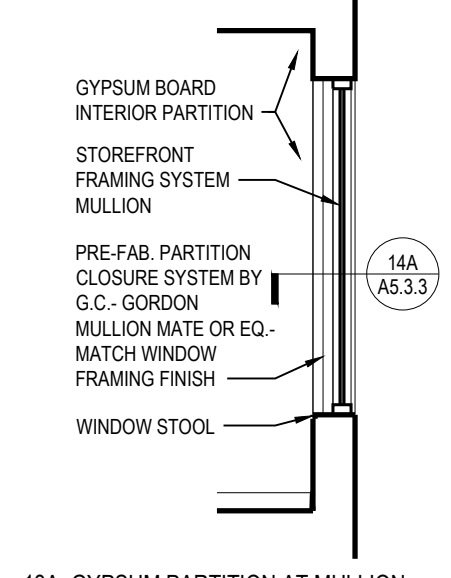
10  
A5.3.3  
BOOTH AT INTERIOR WALL-  
LIGHT COVE DETAIL  
3" = 1'-0"



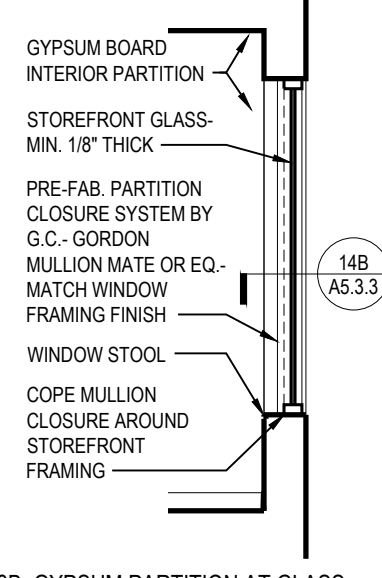
9  
A5.3.3  
BOOTH SOFFIT  
3" = 1'-0"



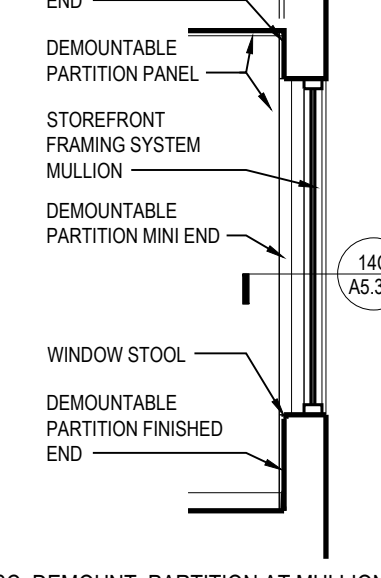
8  
A5.3.3  
BOOTH SHADE POCKET  
3" = 1'-0"



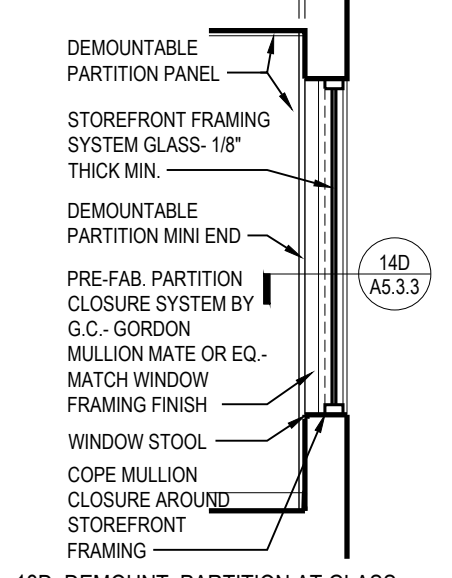
13A: GYPSUM PARTITION AT MULLION



13B: GYPSUM PARTITION AT GLASS

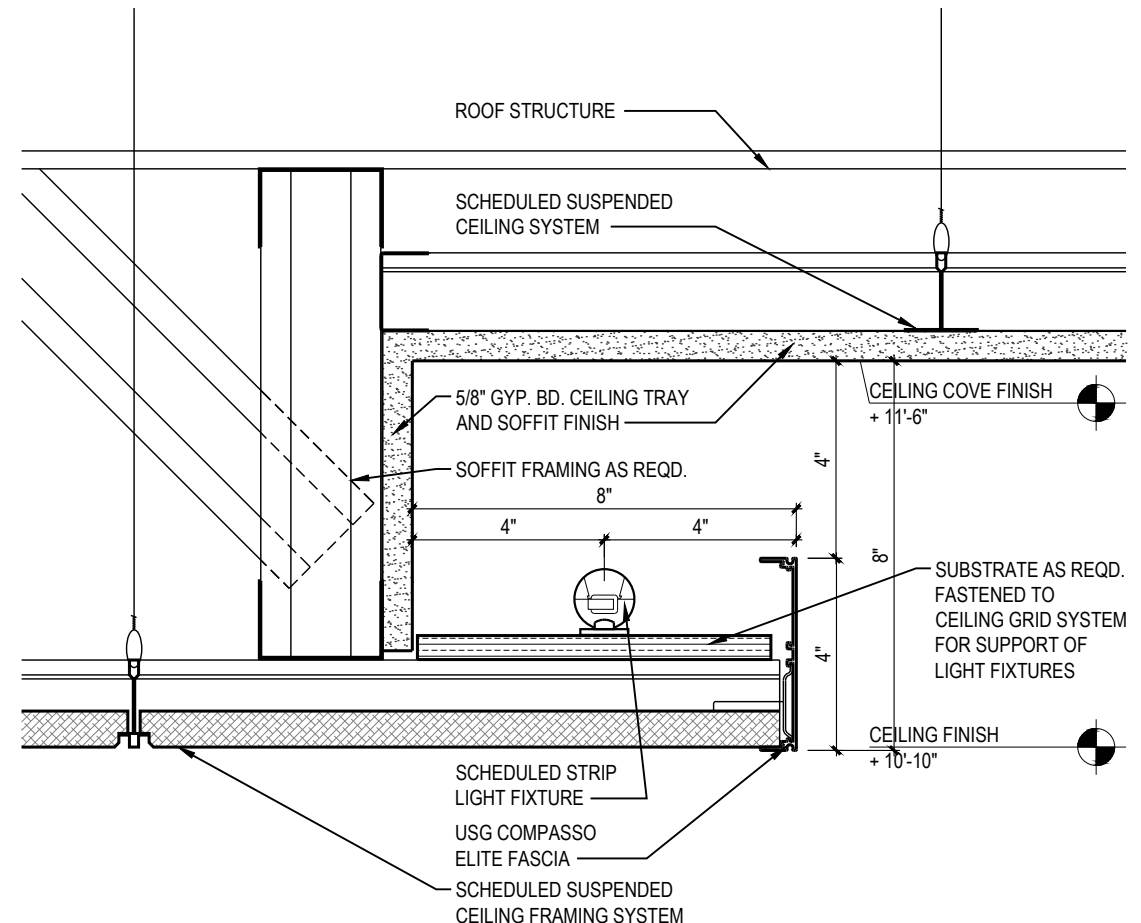


13C: DEMOUNT. PARTITION AT MULLION

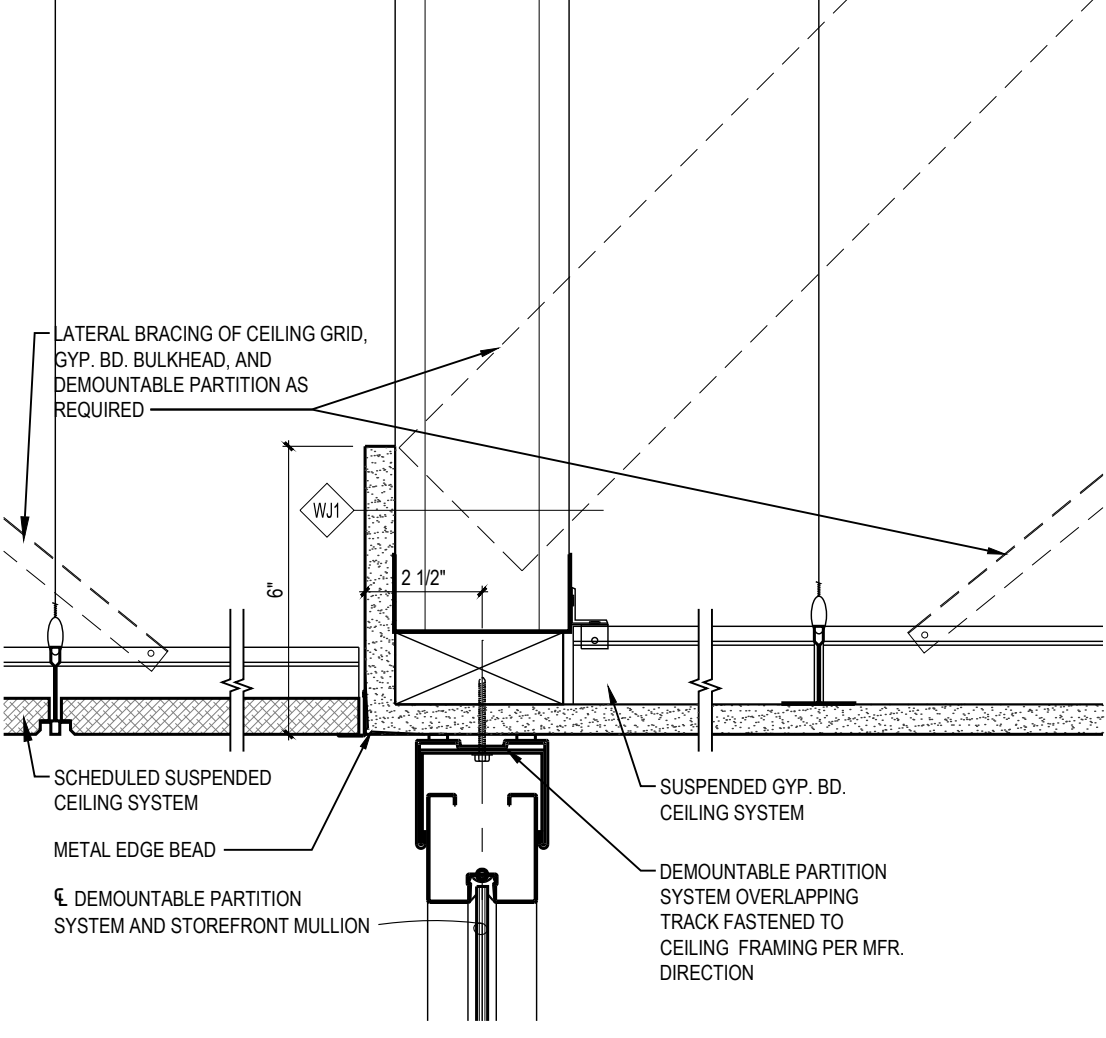


13D: DEMOUNT. PARTITION AT GLASS

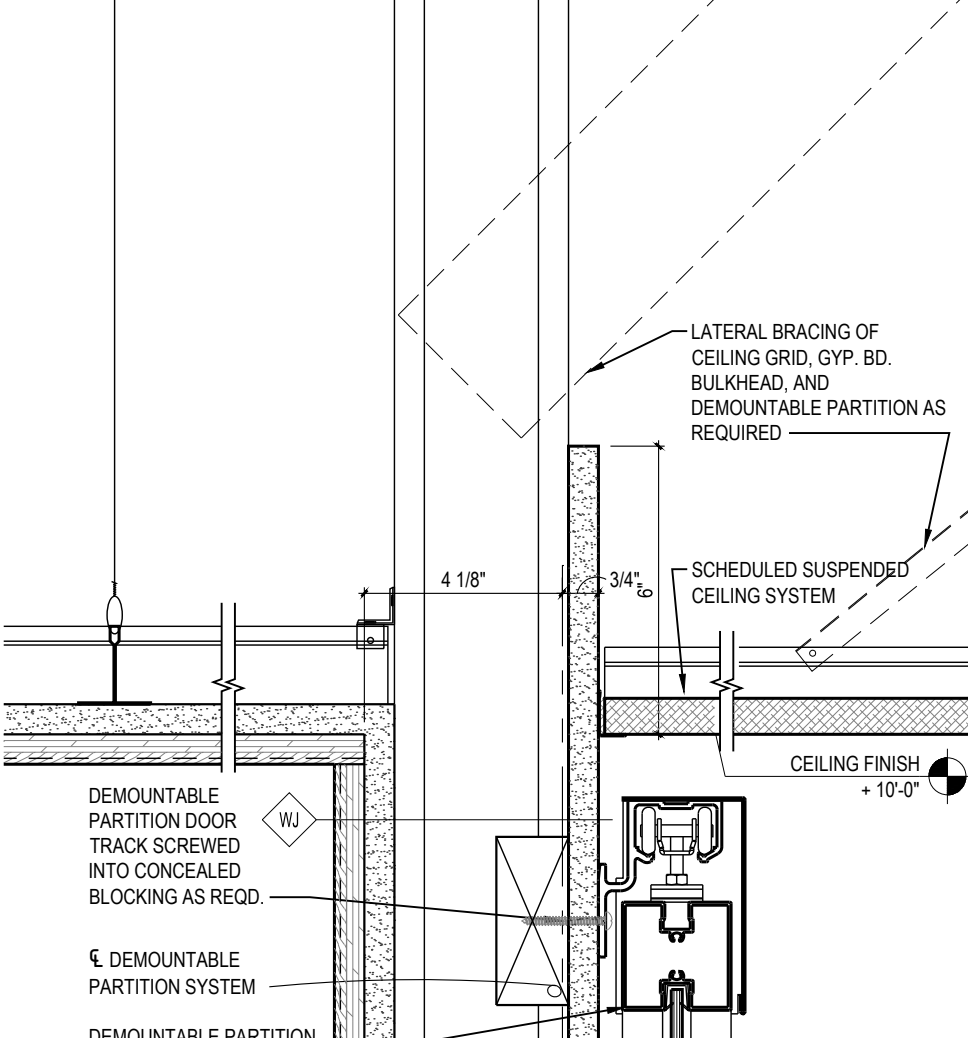
13  
A5.3.3  
TYP. PARTITION / STOREFRONT CLOSURE ELEVATIONS  
1/4" = 1'-0"



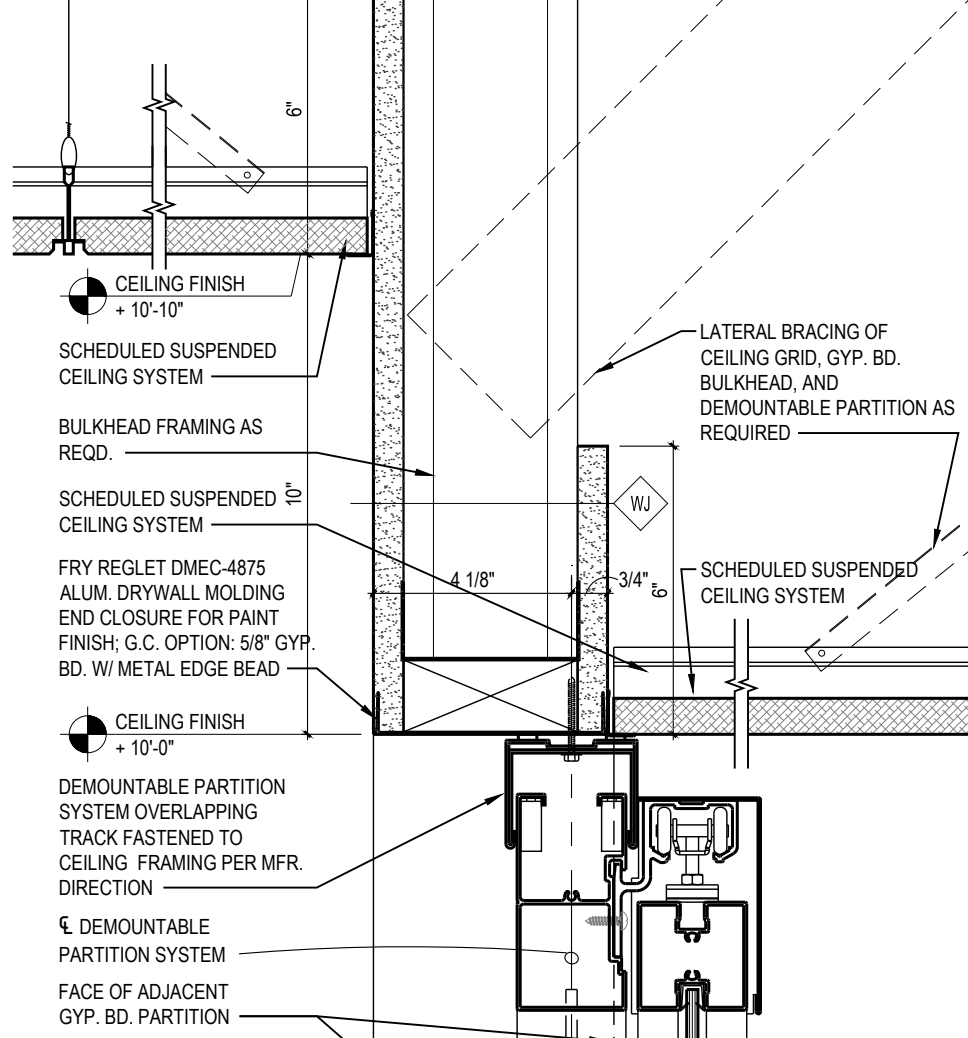
7  
A5.3.3  
LOBBY COVE  
CEILING TRANSITION  
3" = 1'-0"



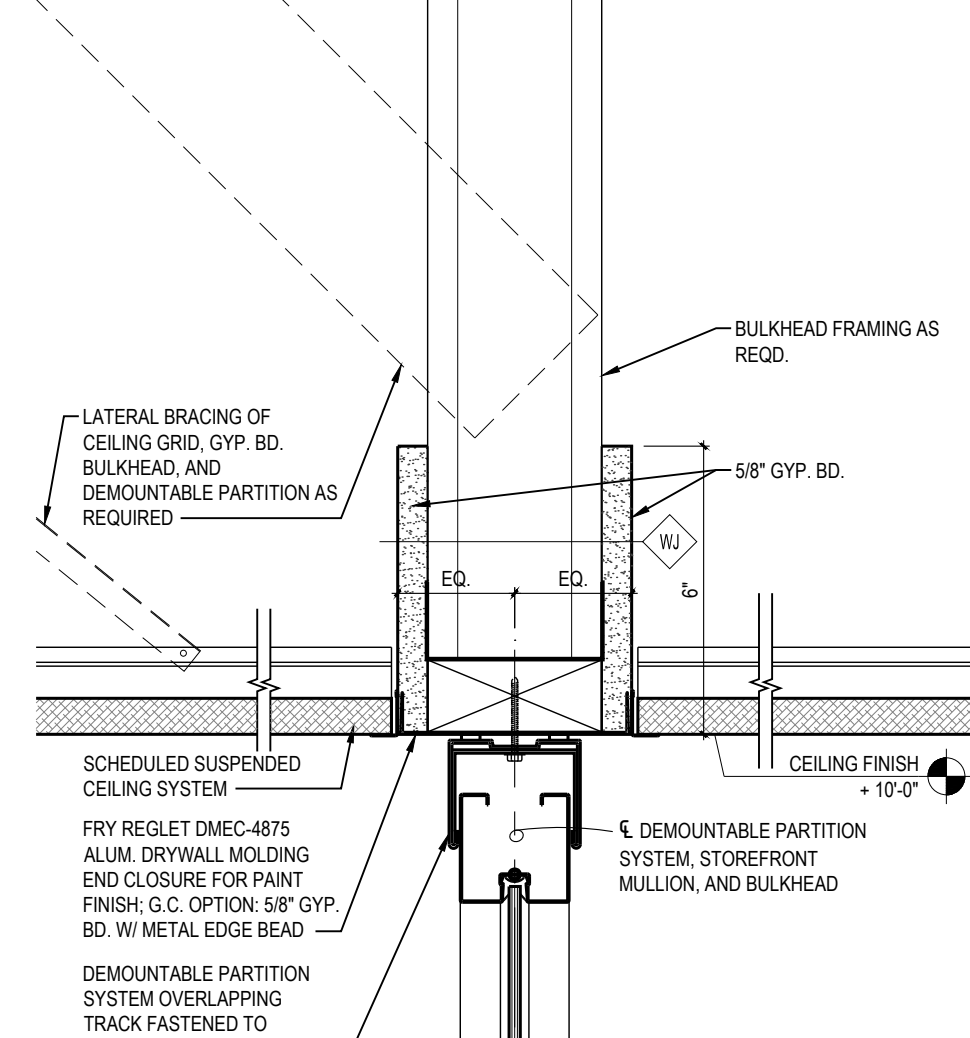
6  
A5.3.3  
TYP. OFFICE / CONFERENCE  
DEMOUNTABLE PARTITION  
3" = 1'-0"



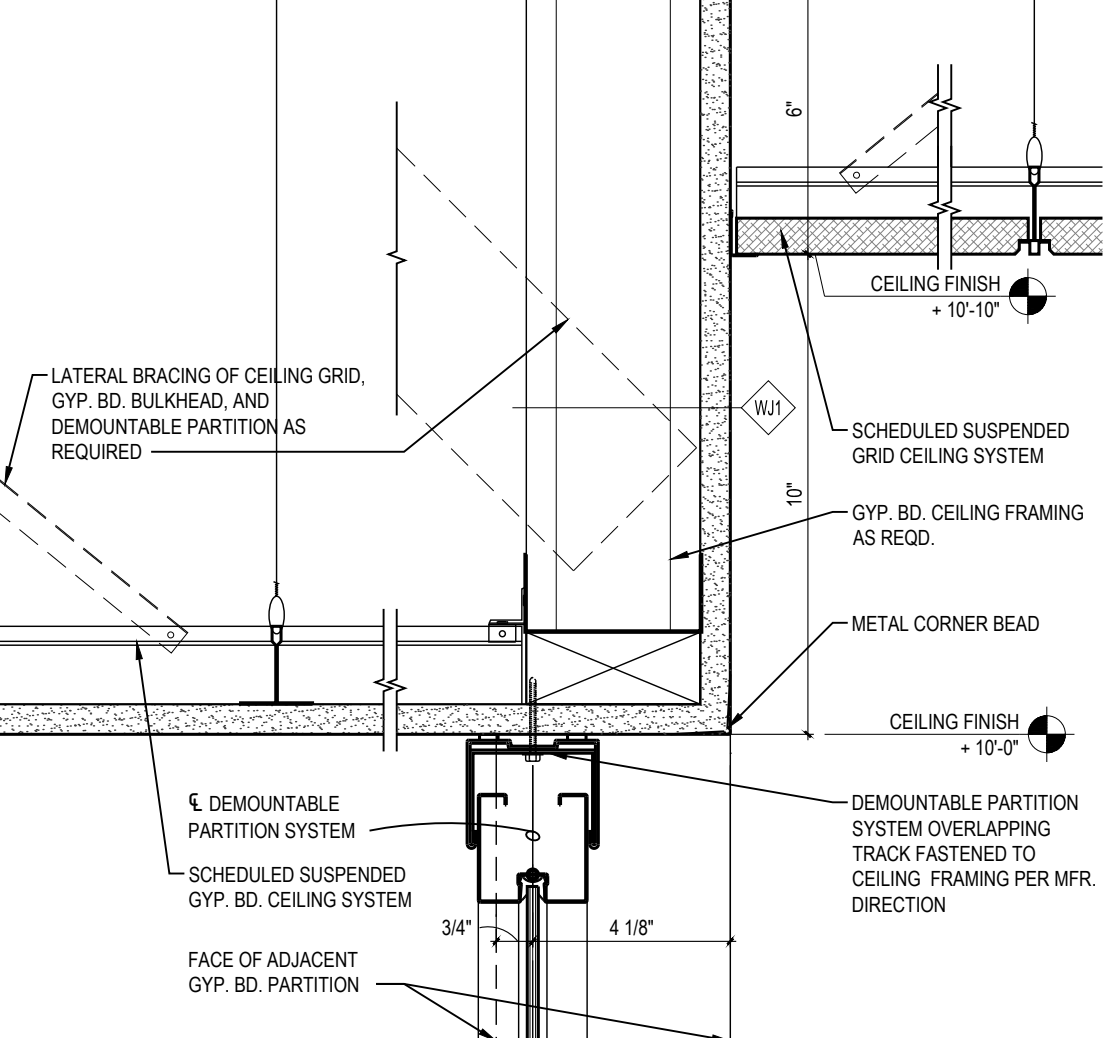
5  
A5.3.3  
DEMOUNTABLE PARTITION  
SLIDING DOOR TRACK  
3" = 1'-0"



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



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



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

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

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6/1/2022

**PRYOR ROAD &  
LOWENSTEIN DRIVE**

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #412100090

ISSUE	DATE	DESCRIPTION
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**CHASE**

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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INTERIOR DETAILS:  
PARTITIONS  
CEILING TRANSITIONS

02/04/2022

SHEET

**A5.3.3**

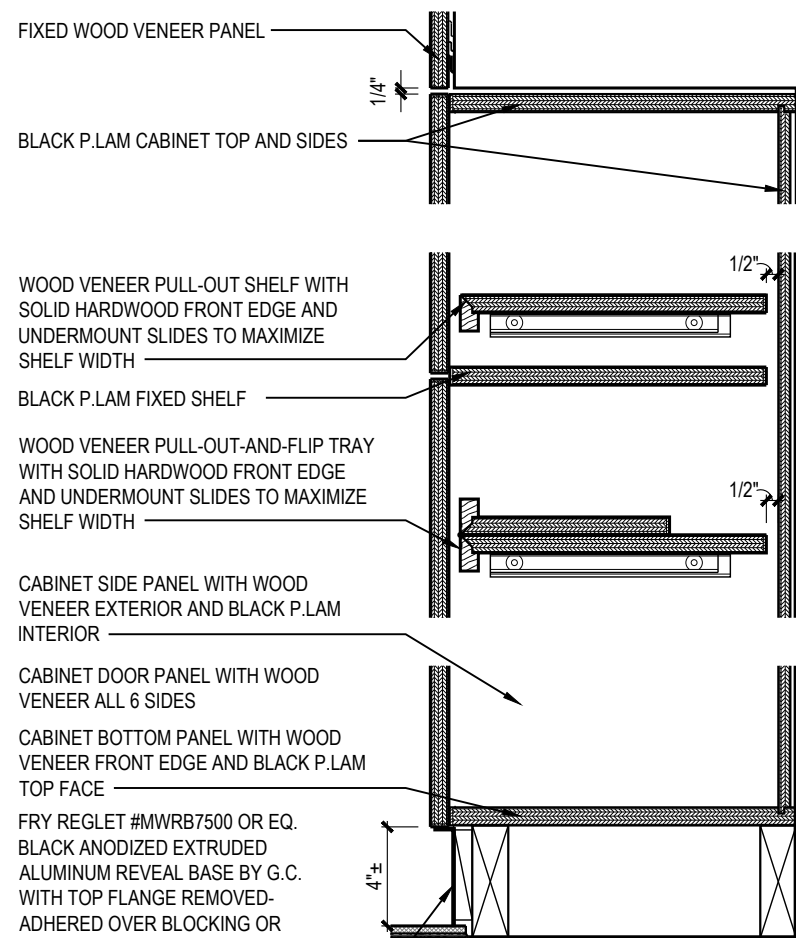


## CUSTOM CABINET NOTES

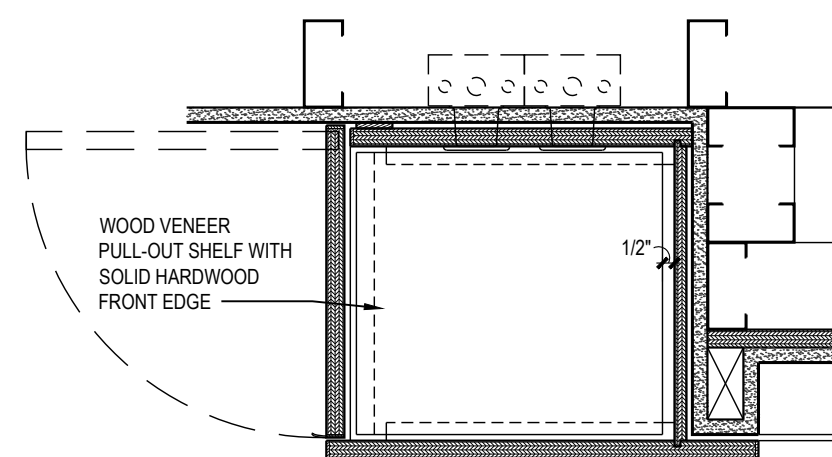
SUBMIT SHOP DRAWINGS AND MATERIALS TO ARCHITECT OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION

REFER TO INTERIOR FINISH MATERIALS SCHEDULE FOR LAMINATE SPECIFICATIONS

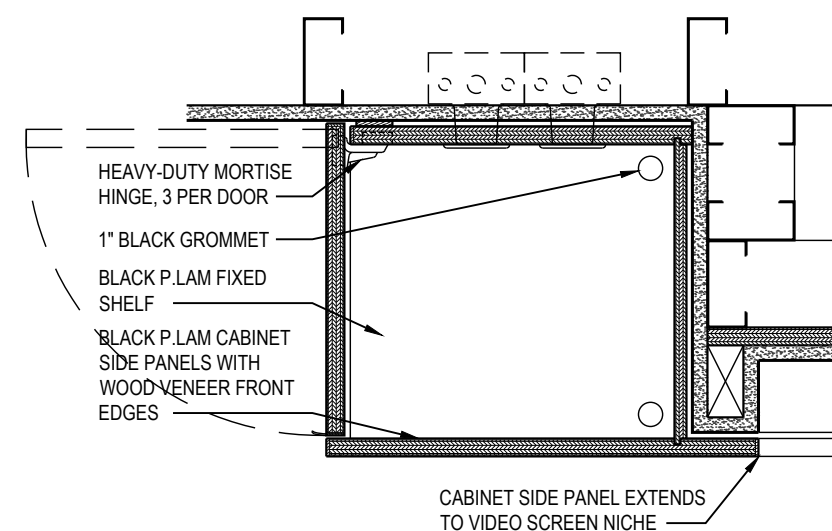
MIL-1	CABINET TOP / BOTTOM / SIDE PANEL: 3/4" PLASTIC LAMINATE MDF ALL EXPOSED SURFACES - INTERIOR SURFACES WHITE MELAMINE
MIL-2	CABINET DOOR: 3/4" PLASTIC LAMINATE MDF ALL 6 FACES
MIL-3	ADJUSTABLE SHELF: 3/4" PLASTIC LAMINATE MDF ALL 6 FACES - PROVIDE FOUR 5MM NICKEL-PLATED SPOON-SHAPED PINS EACH SHELF-DRILL 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 REQ'D, 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 SCHEDULE 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



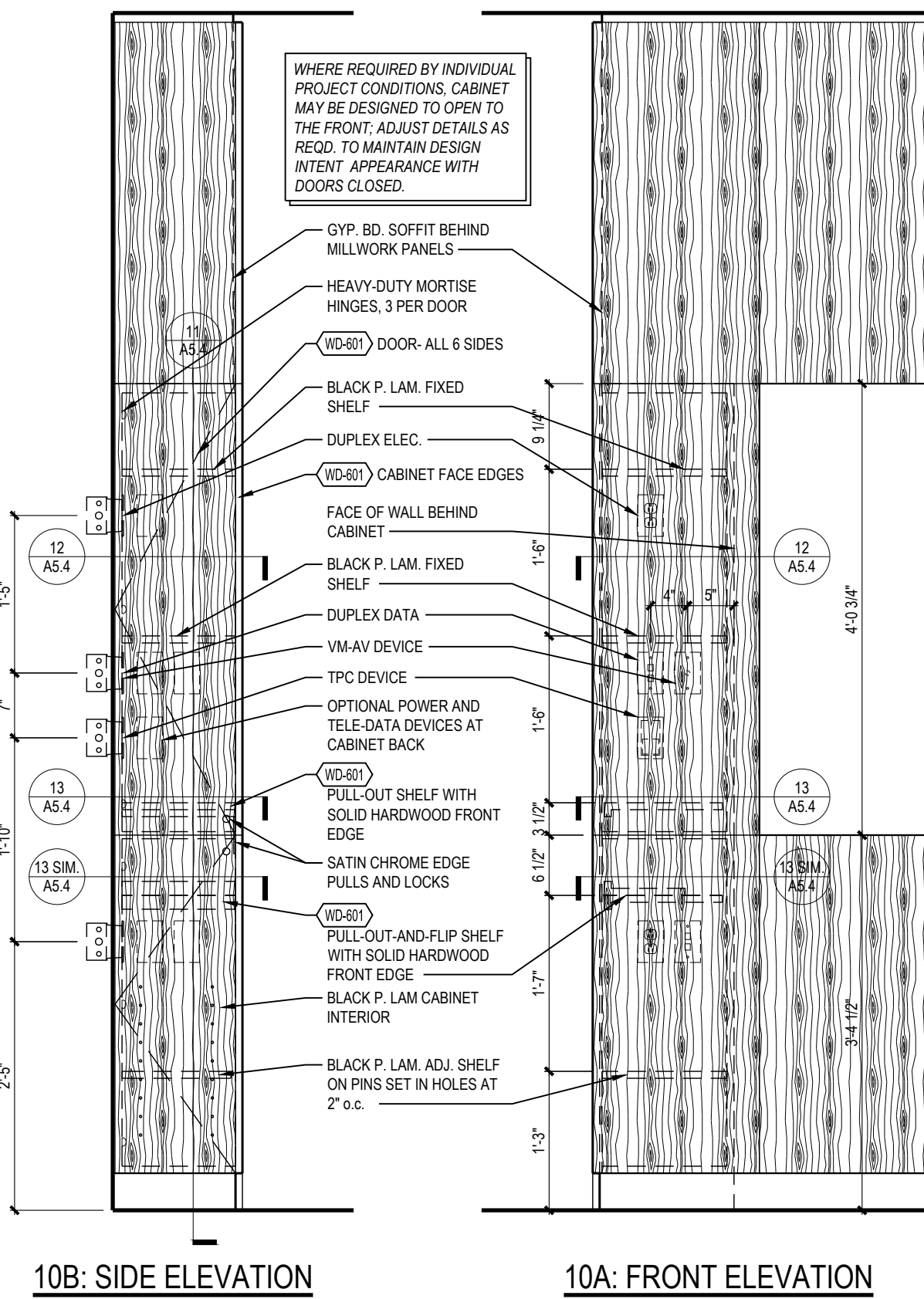
## 11 AV CABINET A5.4 1 1/2" - 1'-0"



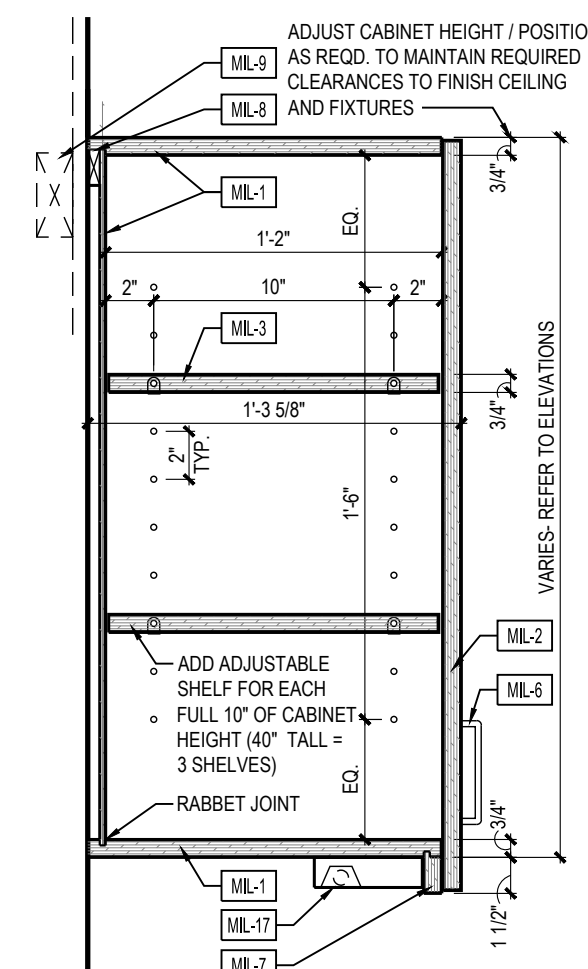
## 13 AV CABINET PULL-OUT TRAY A5.4 1 1/2" - 1'-0"



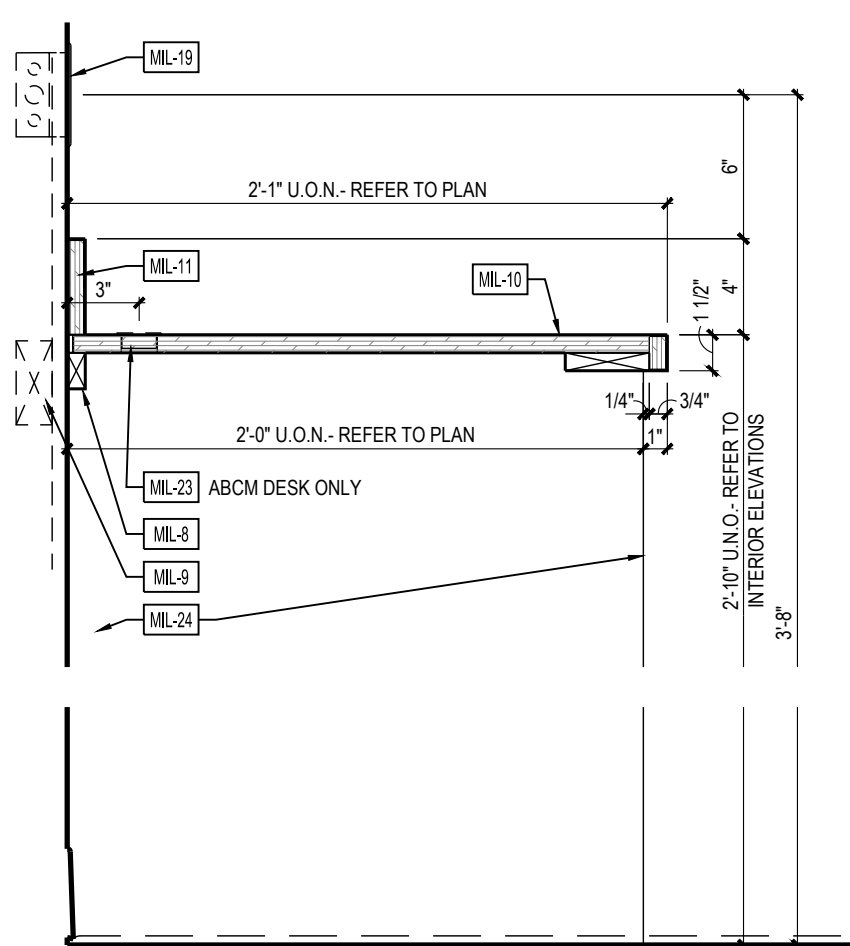
## 12 AV CABINET FIXED SHELF A5.4 1 1/2" - 1'-0"



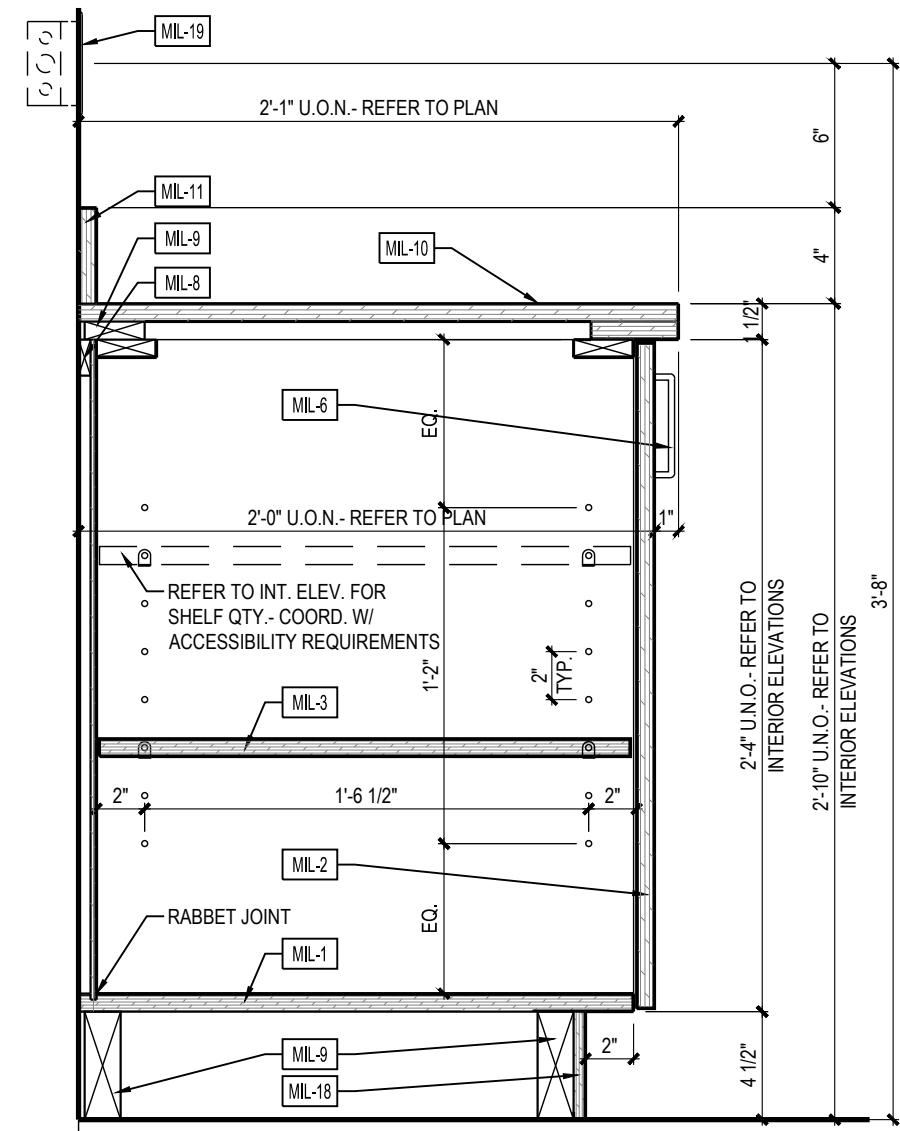
## 10 AV CABINET A5.4 1 1/2" - 1'-0"



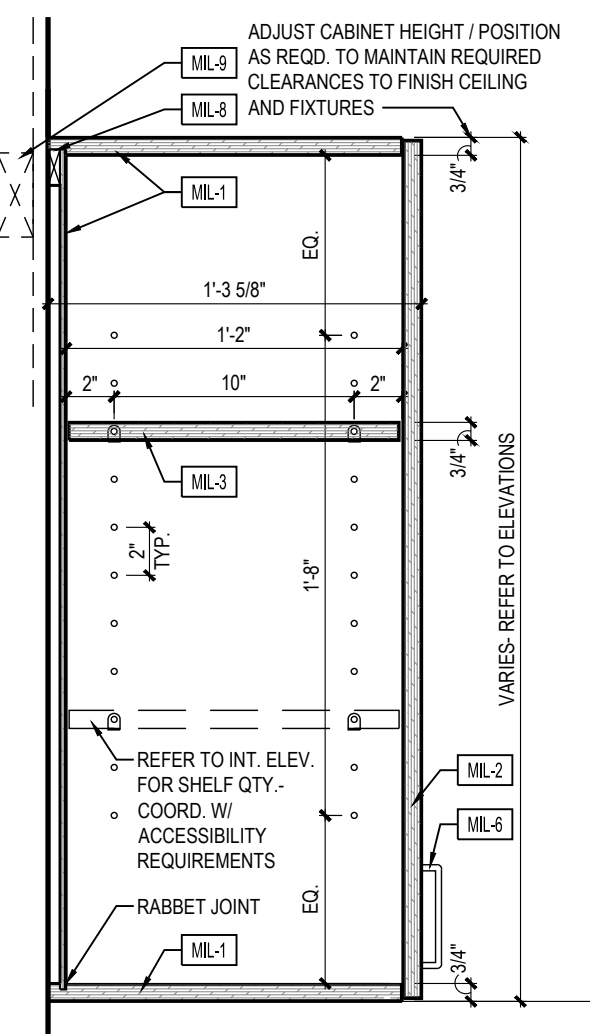
## 9 WALL CABINET W/ DOORS AND LIGHT FIXTURE A5.4 1 1/2" - 1'-0"



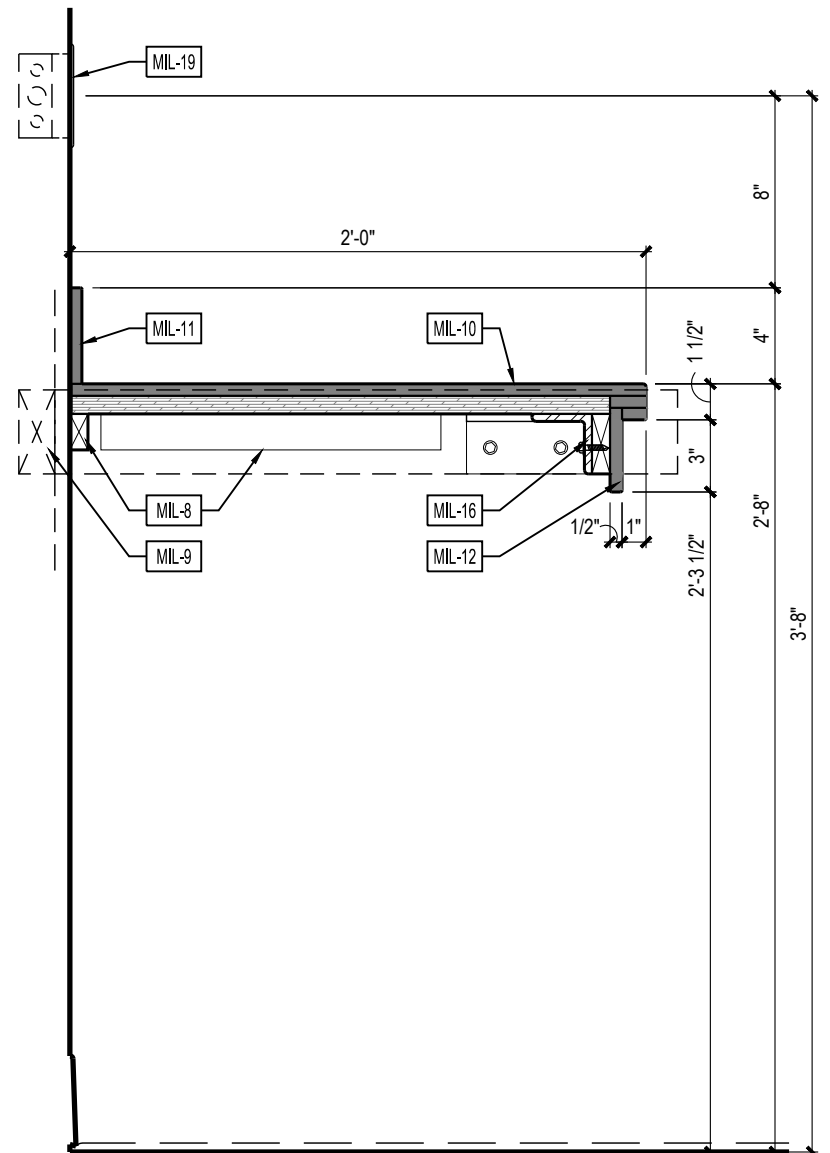
## 5 OPEN LAMINATE COUNTER A5.4 1 1/2" - 1'-0"



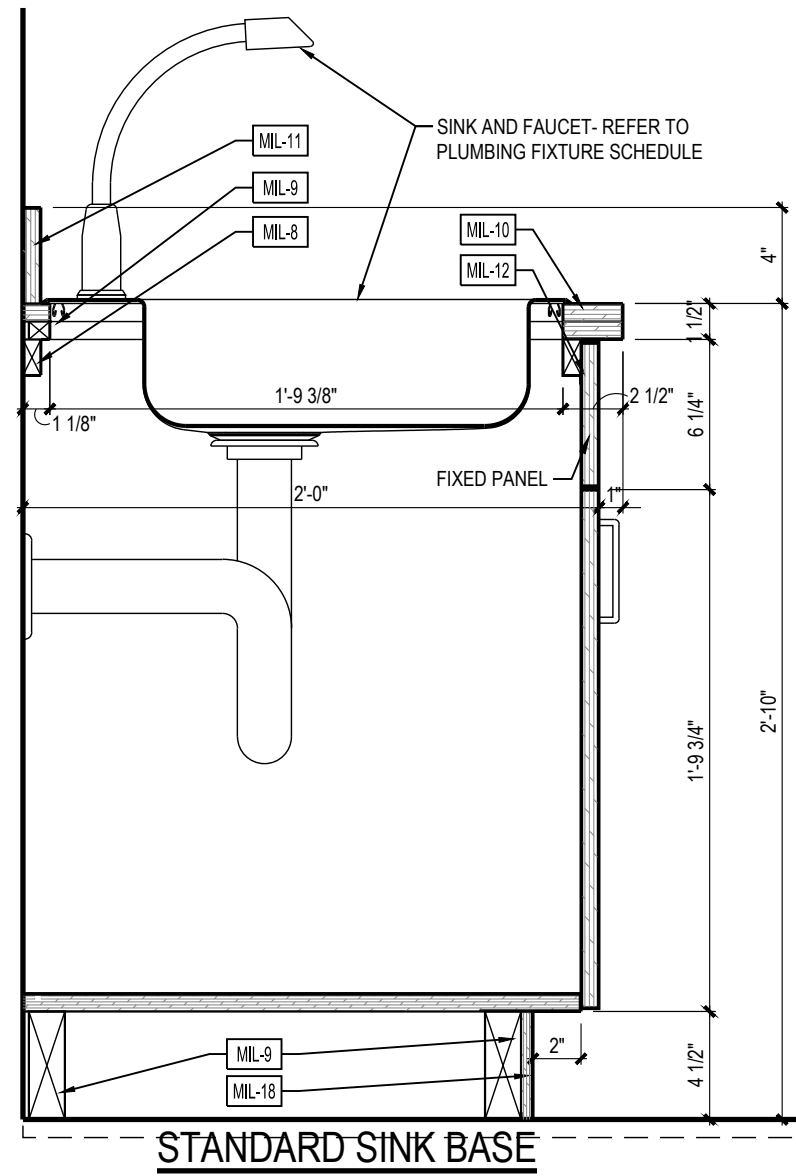
## 2 DOOR BASE CABINET A5.4 1 1/2" - 1'-0"



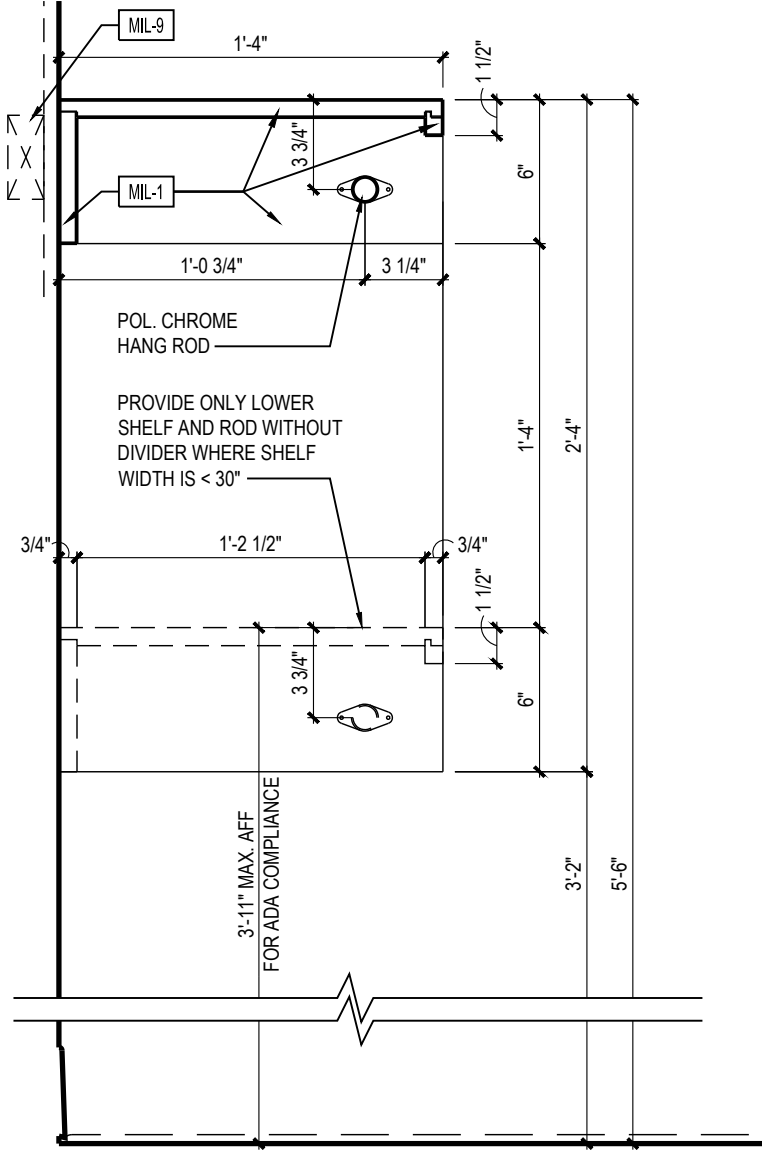
## 8 WALL CABINET W/ DOORS A5.4 1 1/2" - 1'-0"



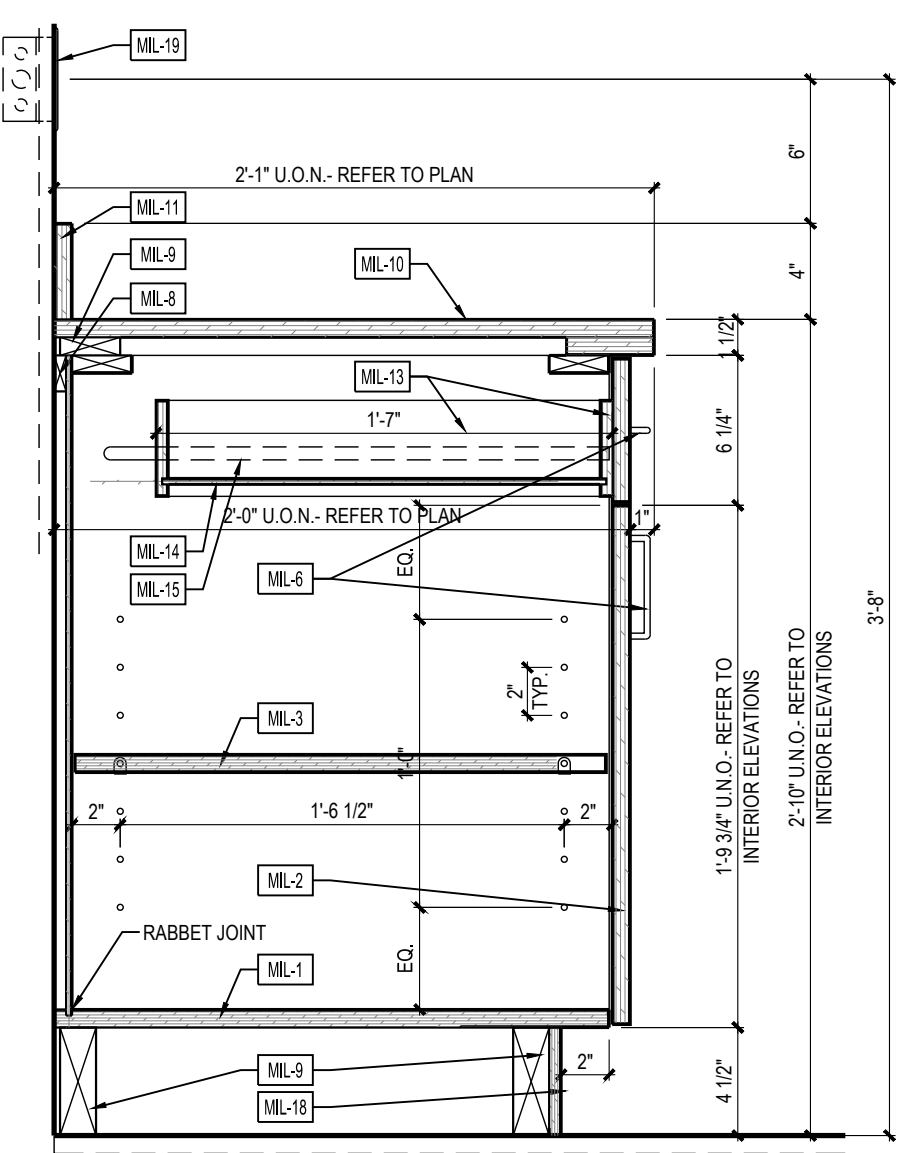
## 4 SDB VIEWING ROOM COUNTER A5.4 1 1/2" - 1'-0"



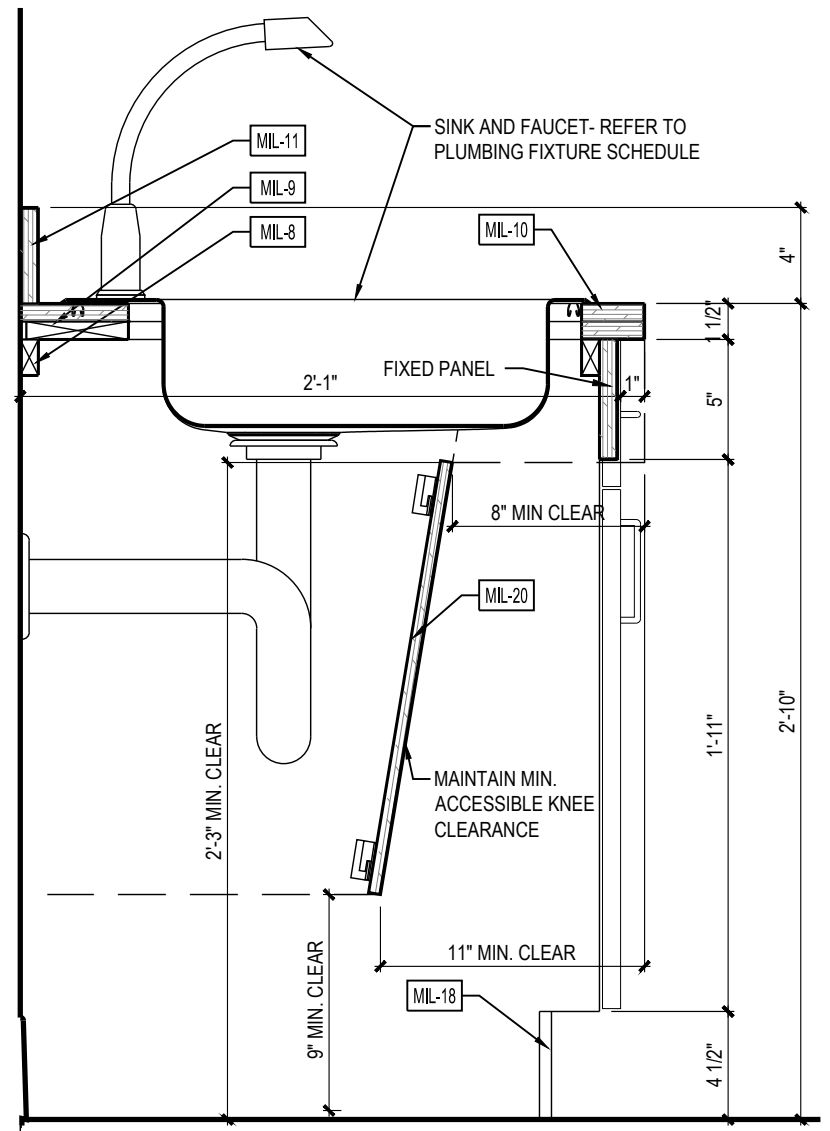
## 1 SINK BASE CABINET A5.4 1 1/2" - 1'-0"



## 6 HANG ROD AND SHELF A5.4 1 1/2" - 1'-0"



## 3 DOOR / DRAWER BASE CABINET A5.4 1 1/2" - 1'-0"



FRONT-APPROACH SINK BASE FOR  
USE BY EXCEPTION ONLY TO  
COMPLY WITH SPECIFIC MUNICIPAL  
INTERPRETATIONS

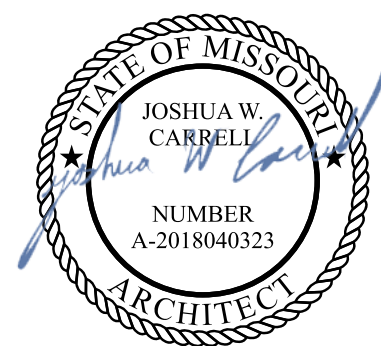
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**CHASE**

**PRYOR & LOWENSTEIN**  
PROTOTYPE VERSION 20.4

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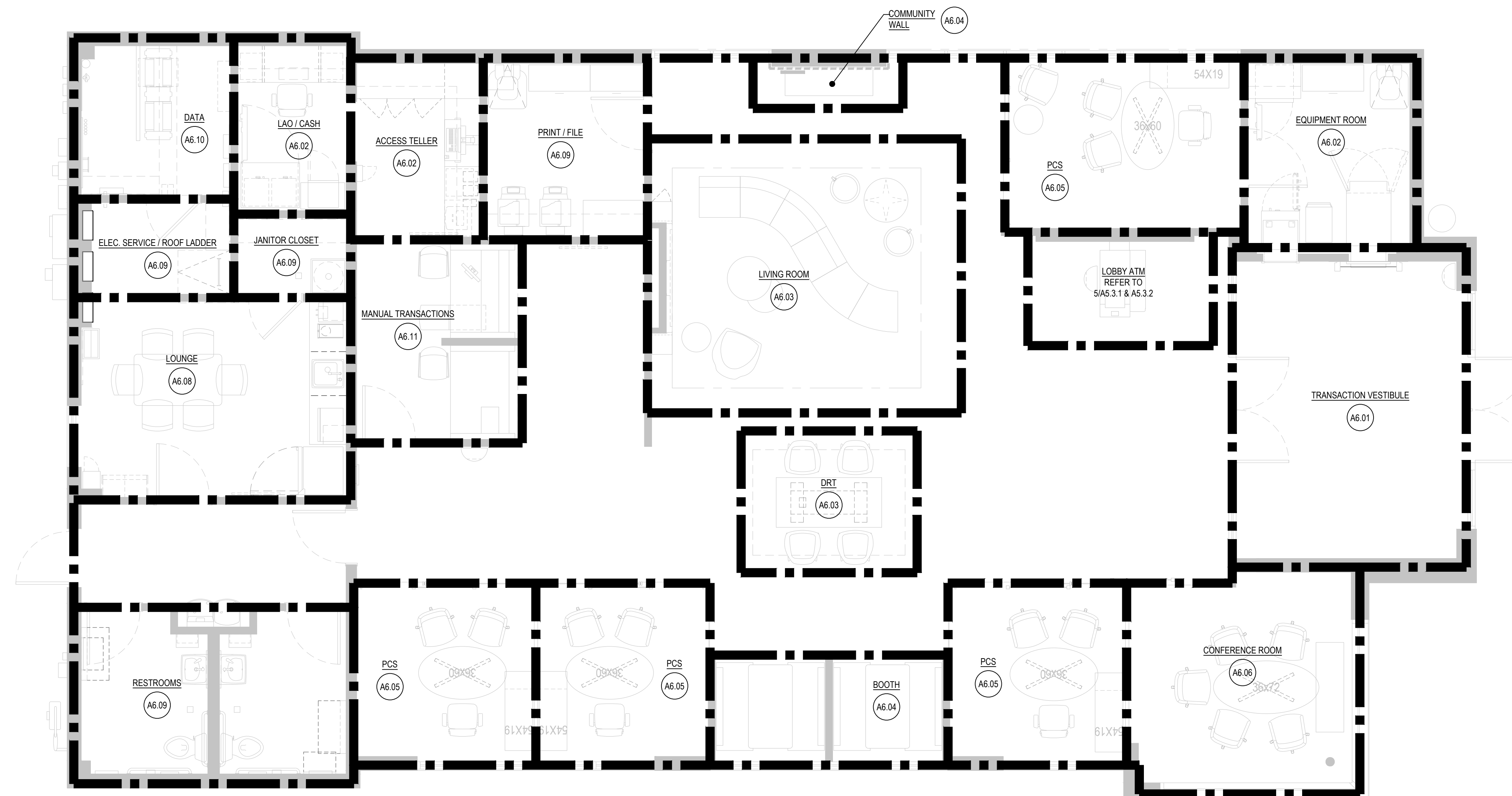
DETAILS:  
CABINETRY

02/04/2022

SHEET

**A5.4**





1 PROGRAMMATIC KEY PLAN  
A6.00 1/4" = 1'-0"

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PRYOR & LOWENSTEIN  
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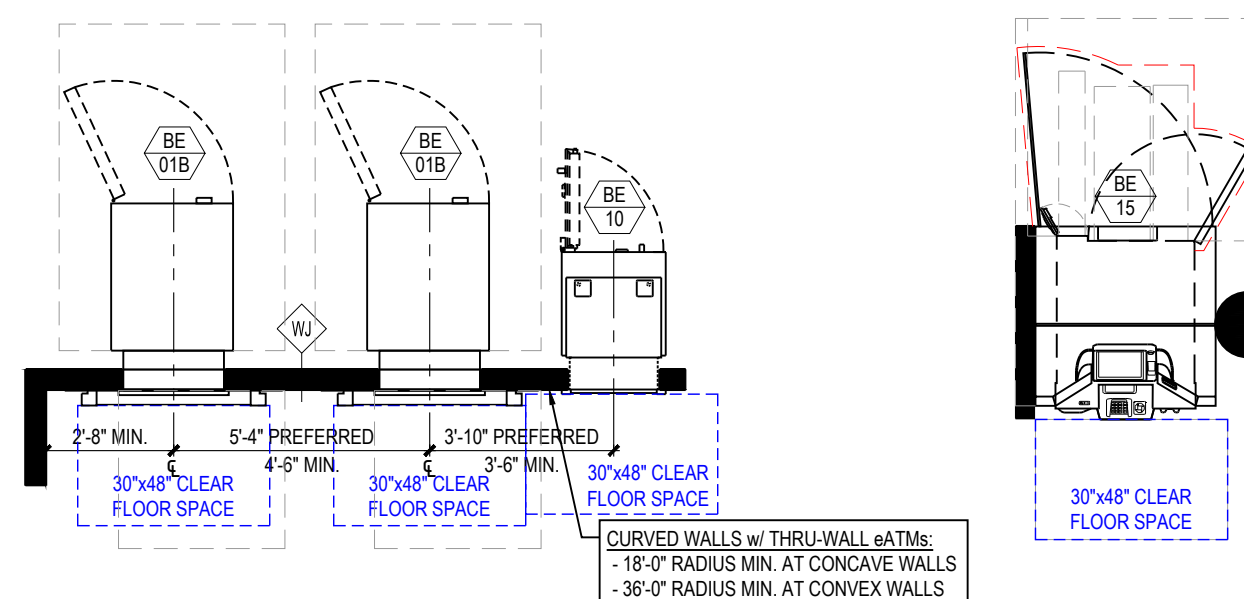
PROGRAMMATIC ELEMENT  
KEY PLAN

02/04/2022

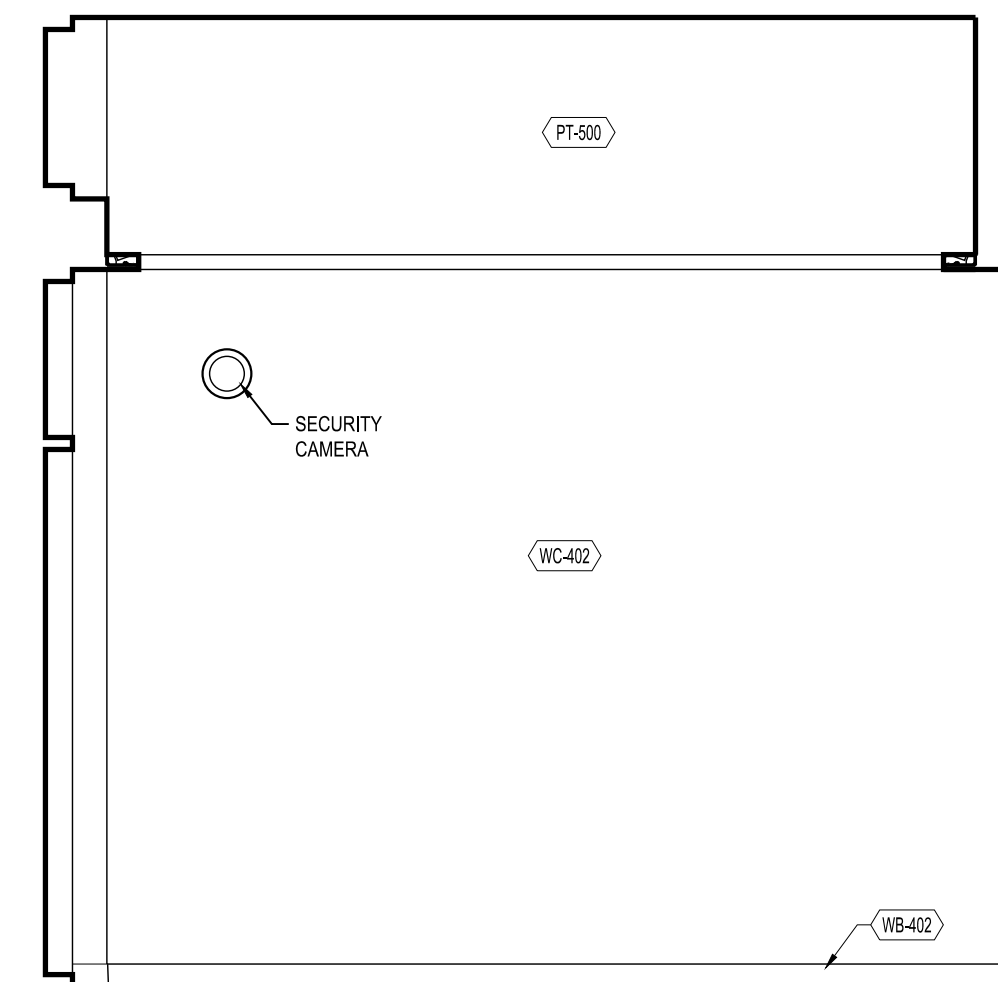
SHEET

## A6.00





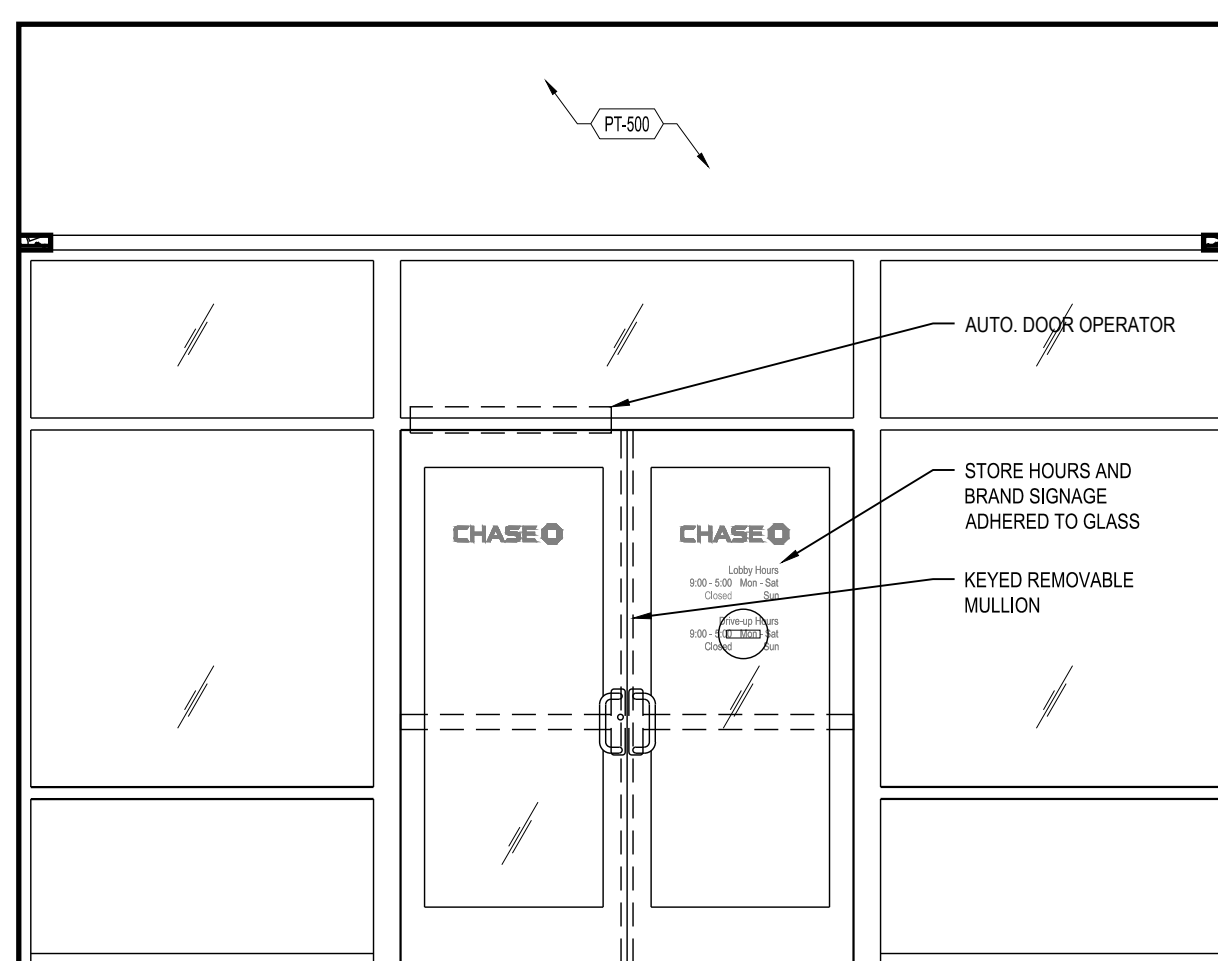
8 BANK EQUIP. CONFIGURATIONS  
A6.01 1/4" = 1'-0"



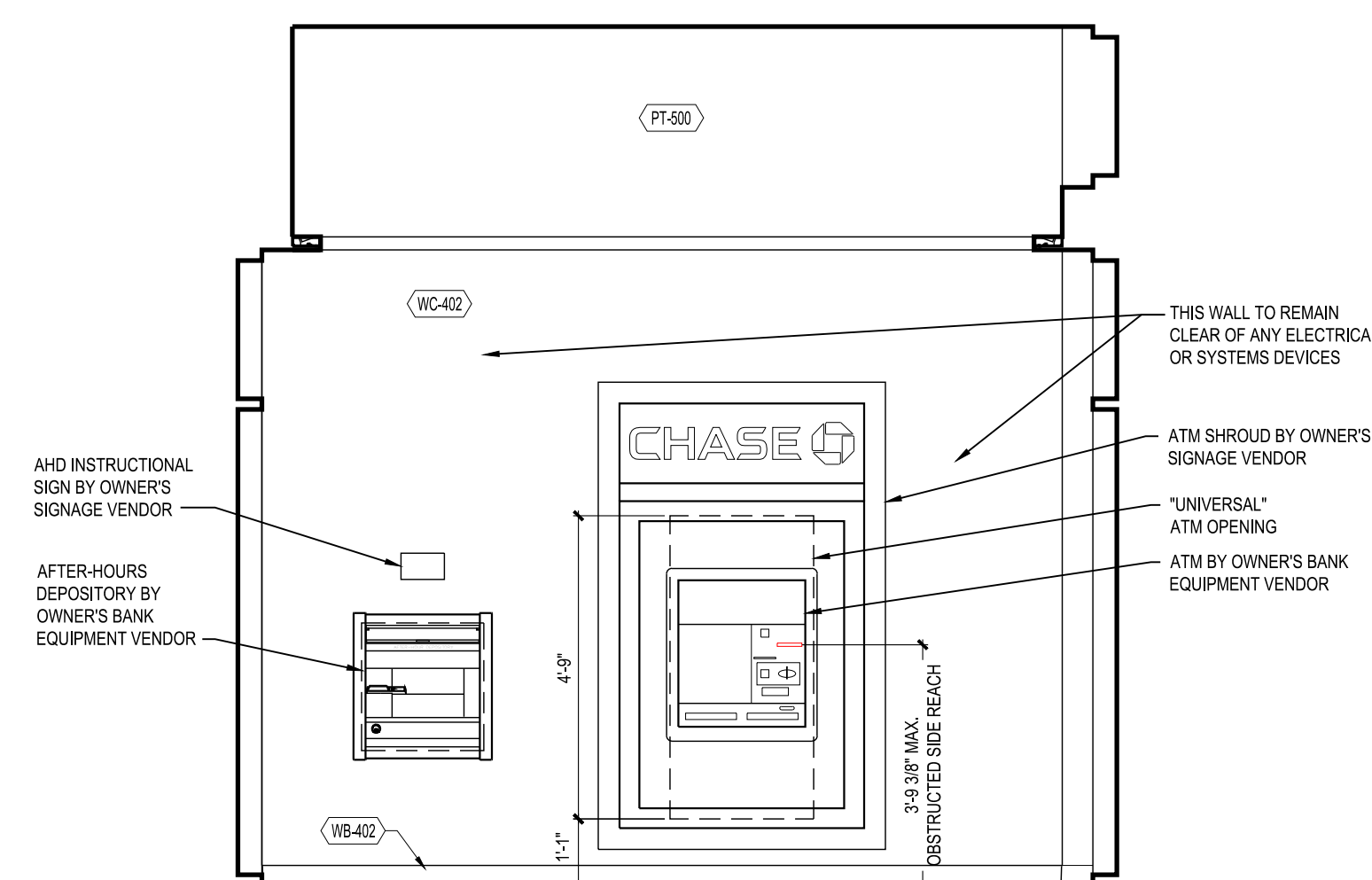
7  
A6.01

ELEVATION- FACING CONFERENCE

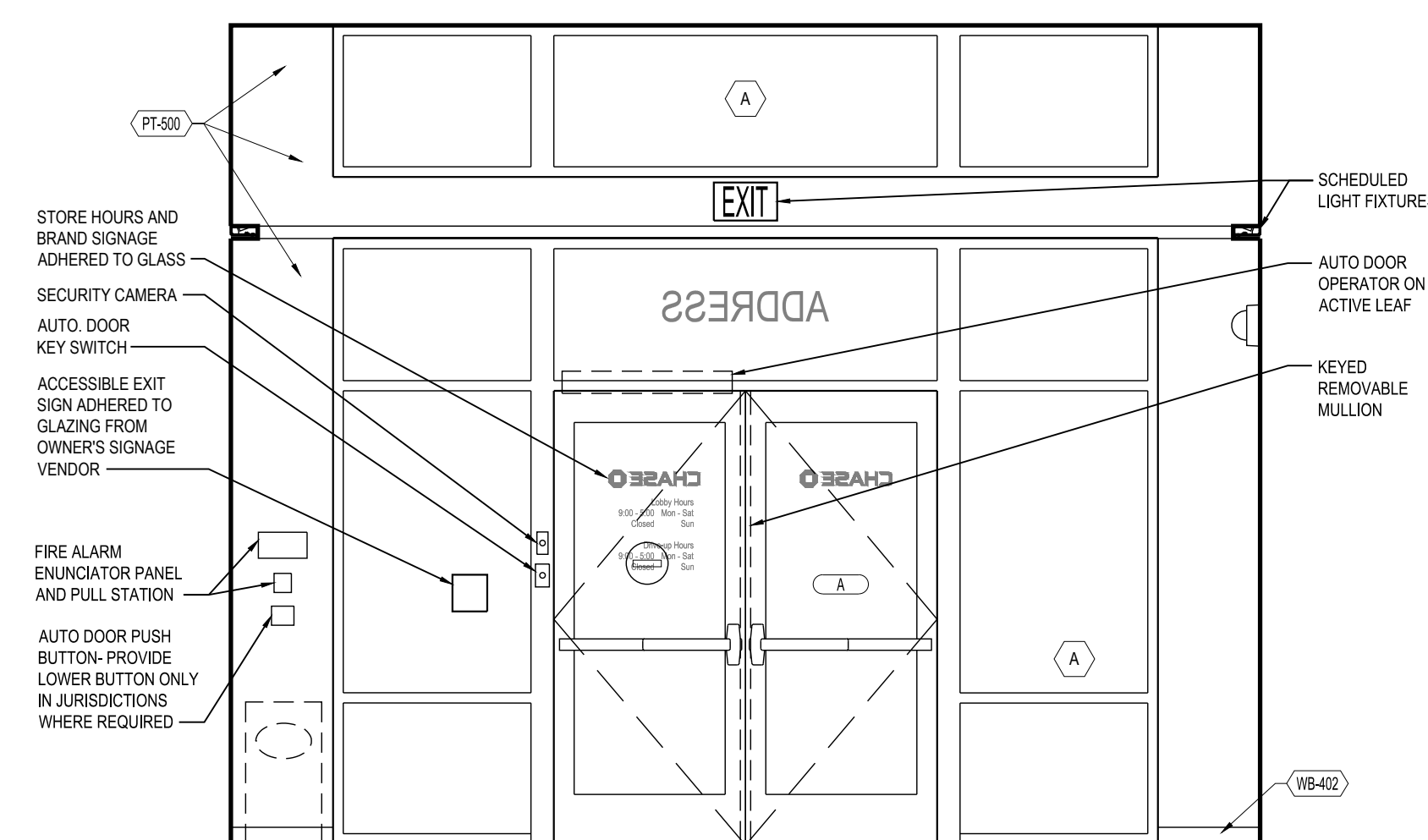
$3/8" = 1'-0"$



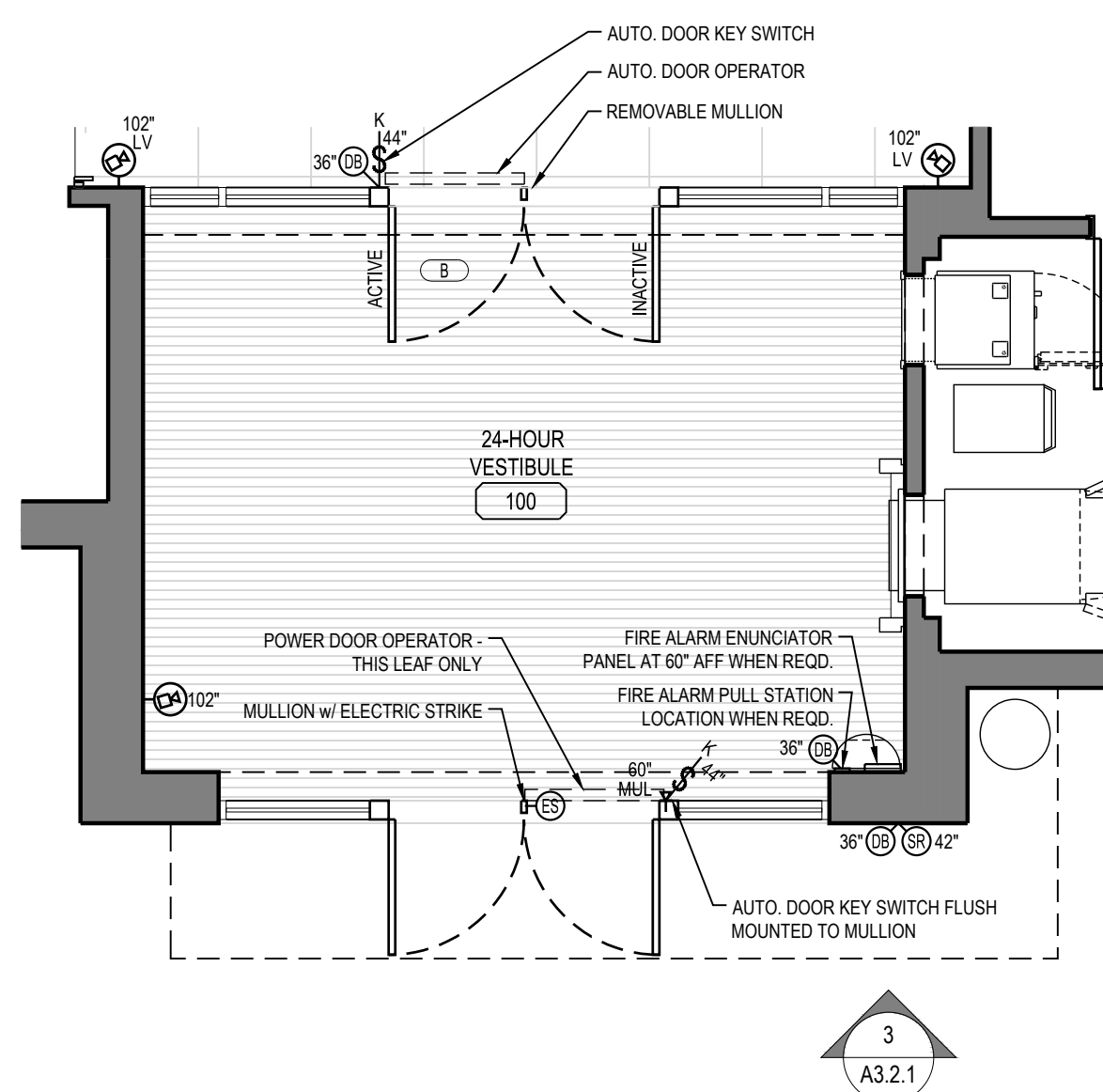
6 ELEVATION- FACING LOBBY  
A6.01 3/8" = 1'-0"



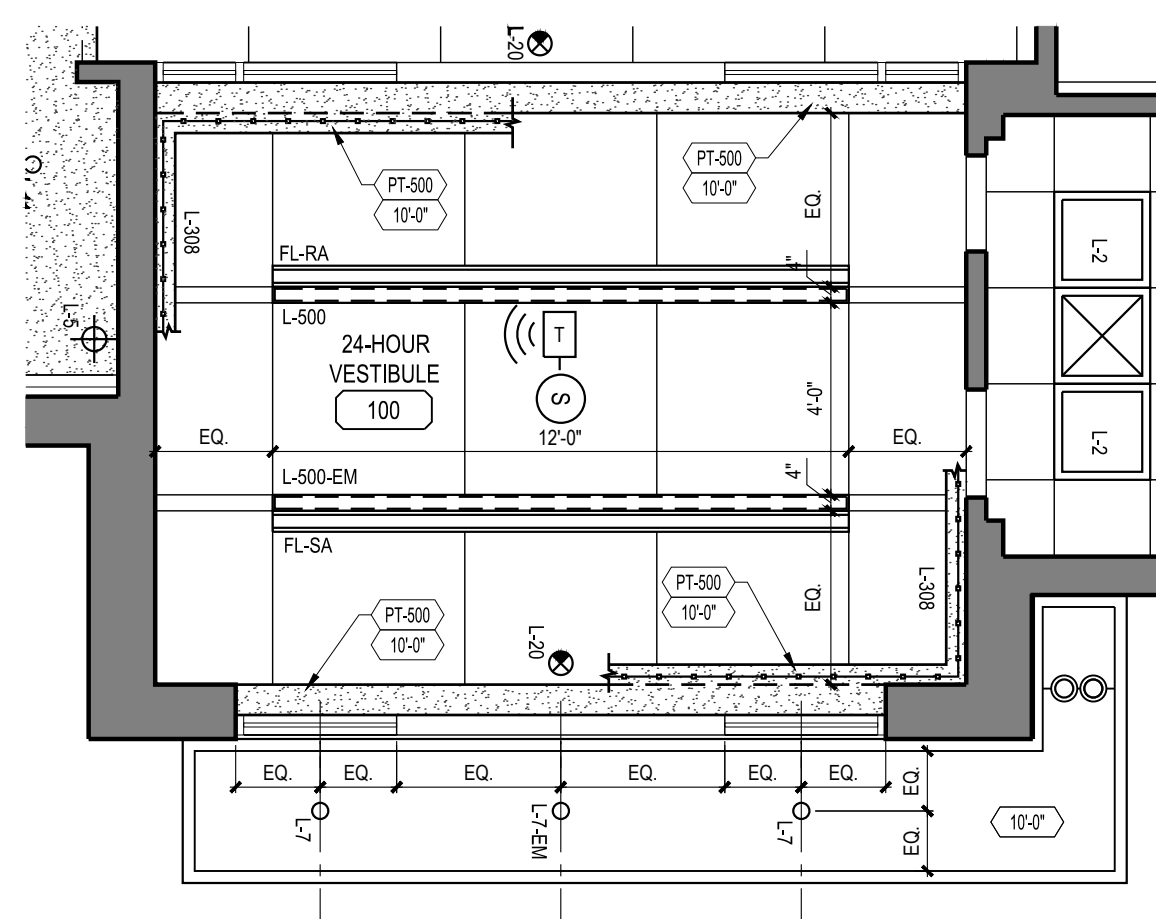
5 ELEVATION- FACING ATM  
A6.01 3/8" = 1'-0"



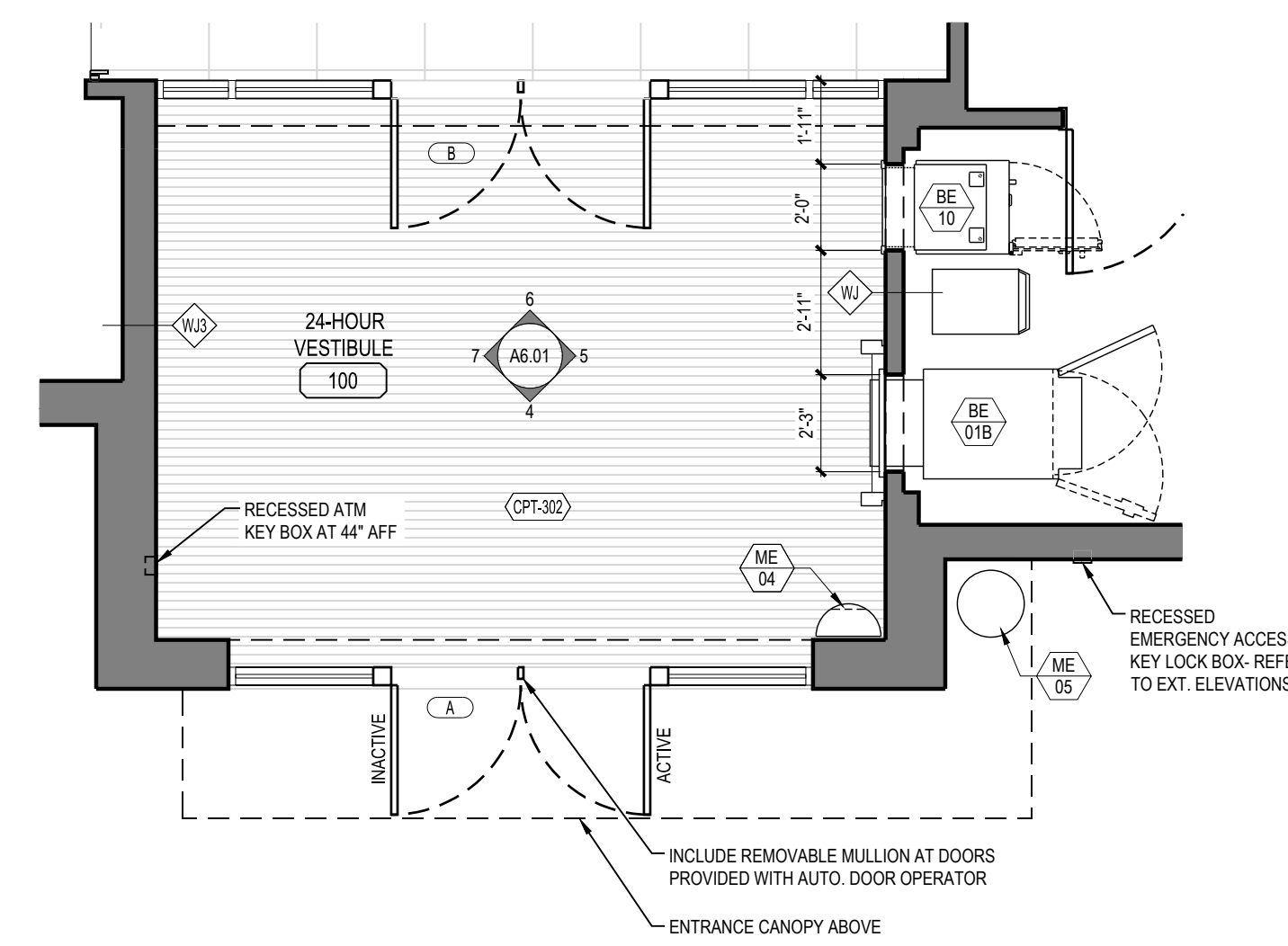
4 ELEV.- FACING ENTRANCE  
A6.01 3/8" = 1'-0"



3 ELEC./DATA/SECURITY PLAN  
A6.01 1/4" = 1'-0"



2 REFLECTED CEILING PLAN  
A6.01 1/4" = 1'-0"



1 FLOOR PLAN  
A6.01 1/4" = 1'-0"

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[illegible]

PRYOR & LOWENSTEIN  
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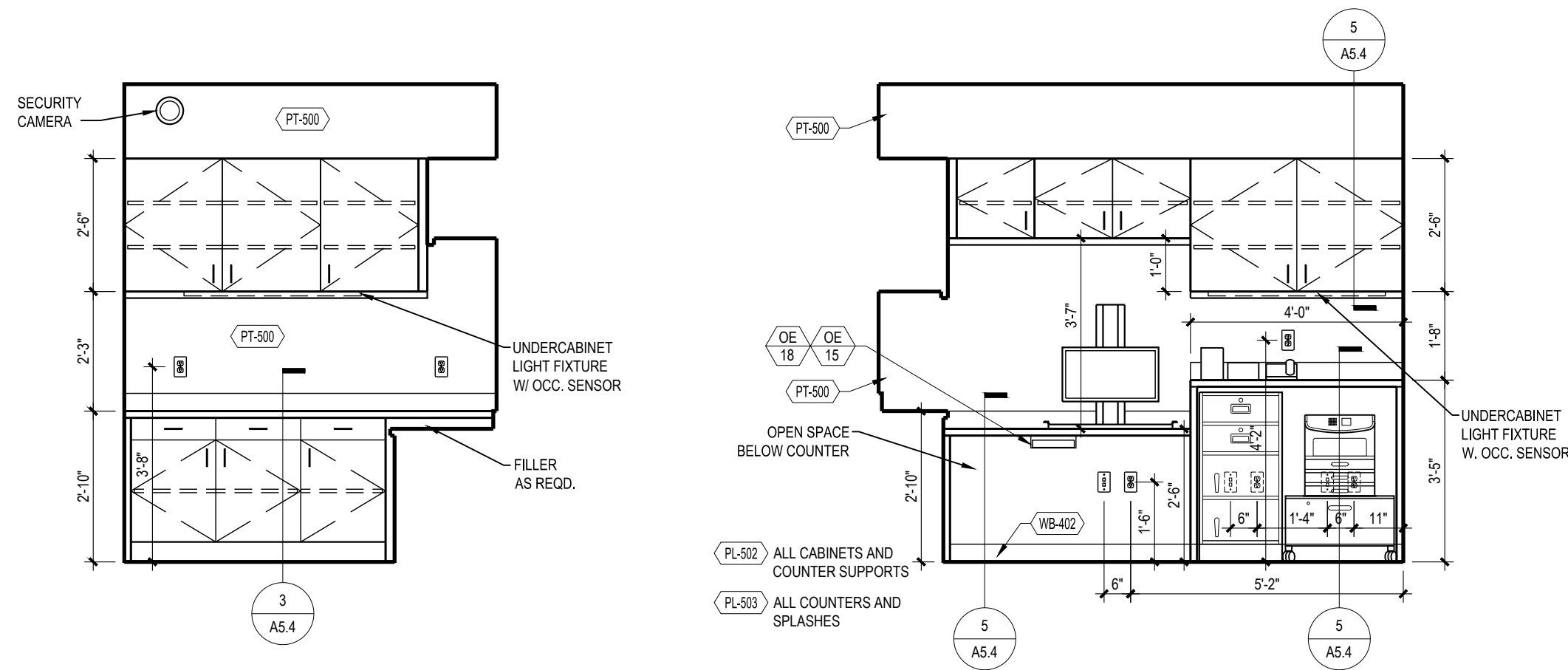
TRANSACTION VESTIBULE

02/04/2022

SHEET

## A6.01





7  
A6.02

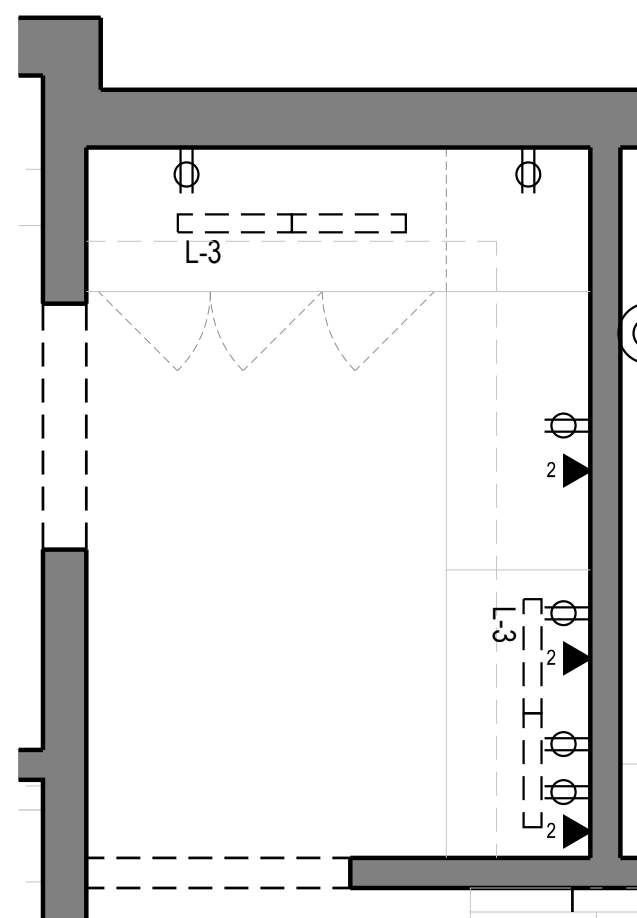
ACCESS  
TELLER ELEVATION

3/8" = 1'-0"

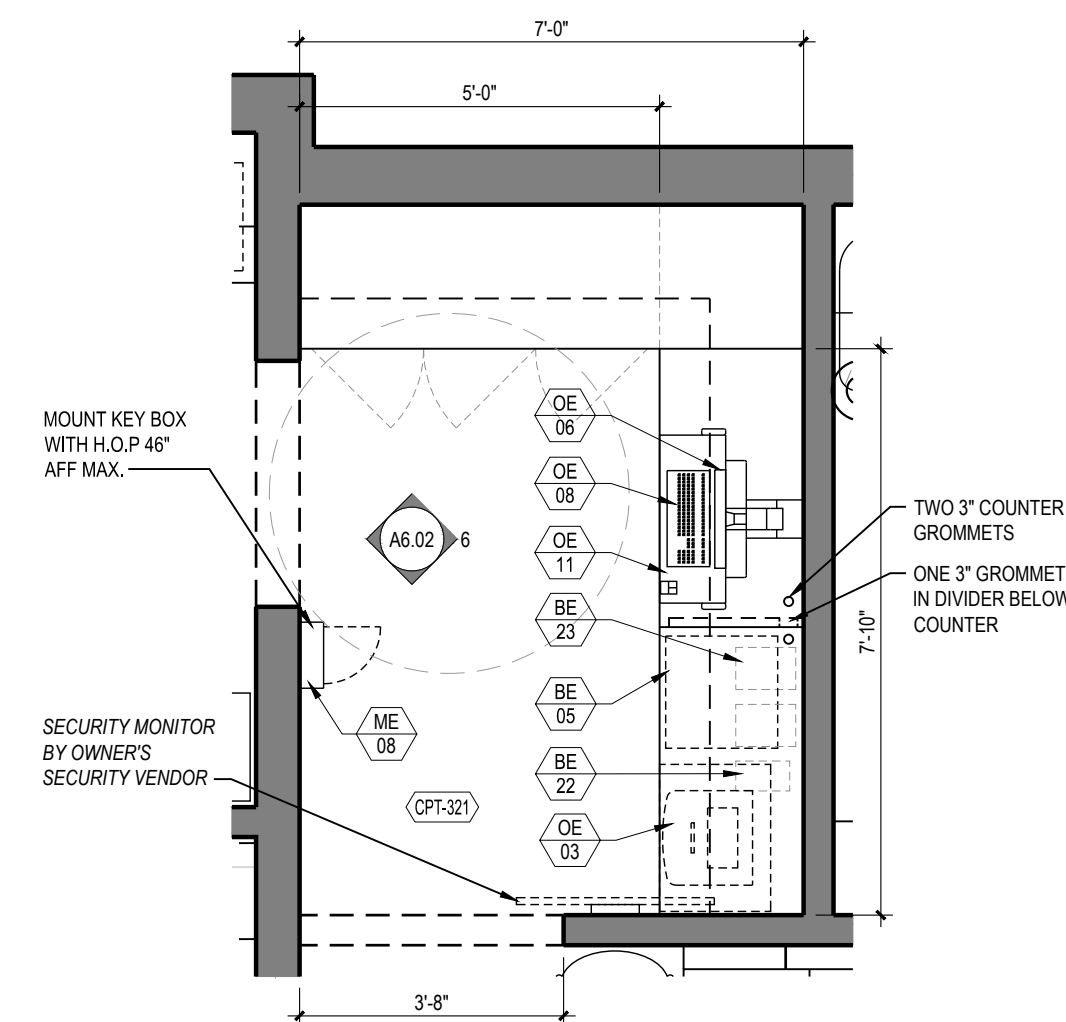
6  
A6.02

ACCESS  
TELLER ELEVATION

3/8" = 1'-0"

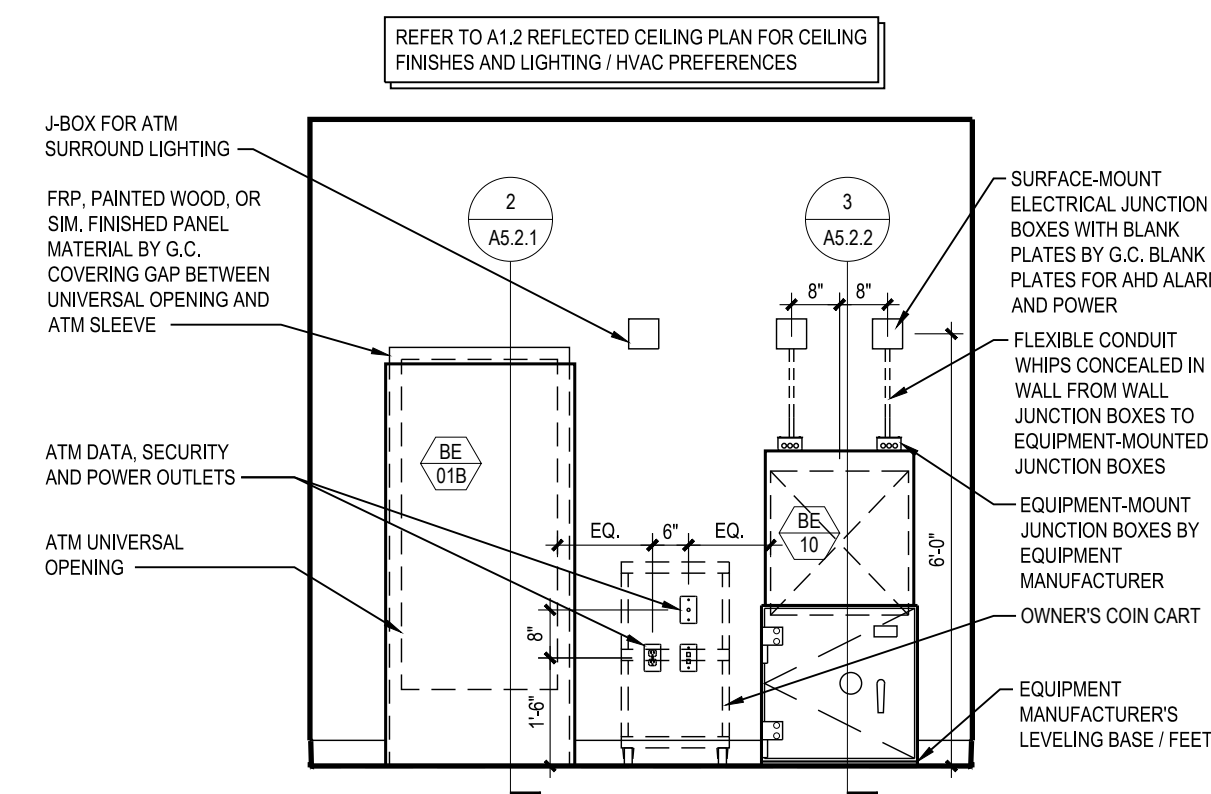


5 ACCESS TELLER SYSTEMS PLAN  
A6.02 3/8" = 1'-0"



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

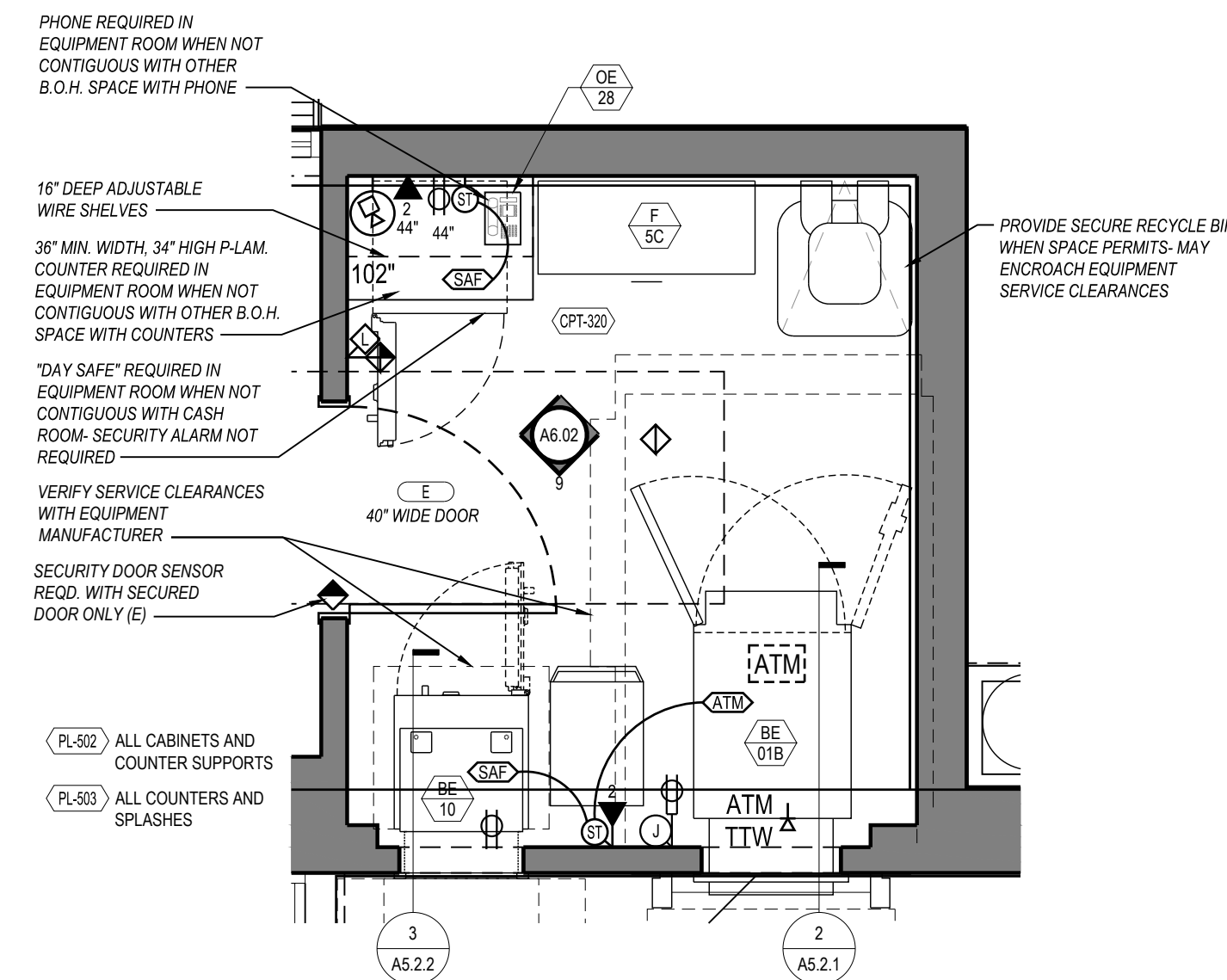
# ACCESS TELLER



9  
A6.02

EQUIPMENT WALL  
ELEVATION

3/8" = 1'-0"



8  
A6.02

EQUIPMENT AREA  
FLOOR PLAN

3/8" = 1'-0"

## TRANSACTION EQUIPMENT ROOM

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PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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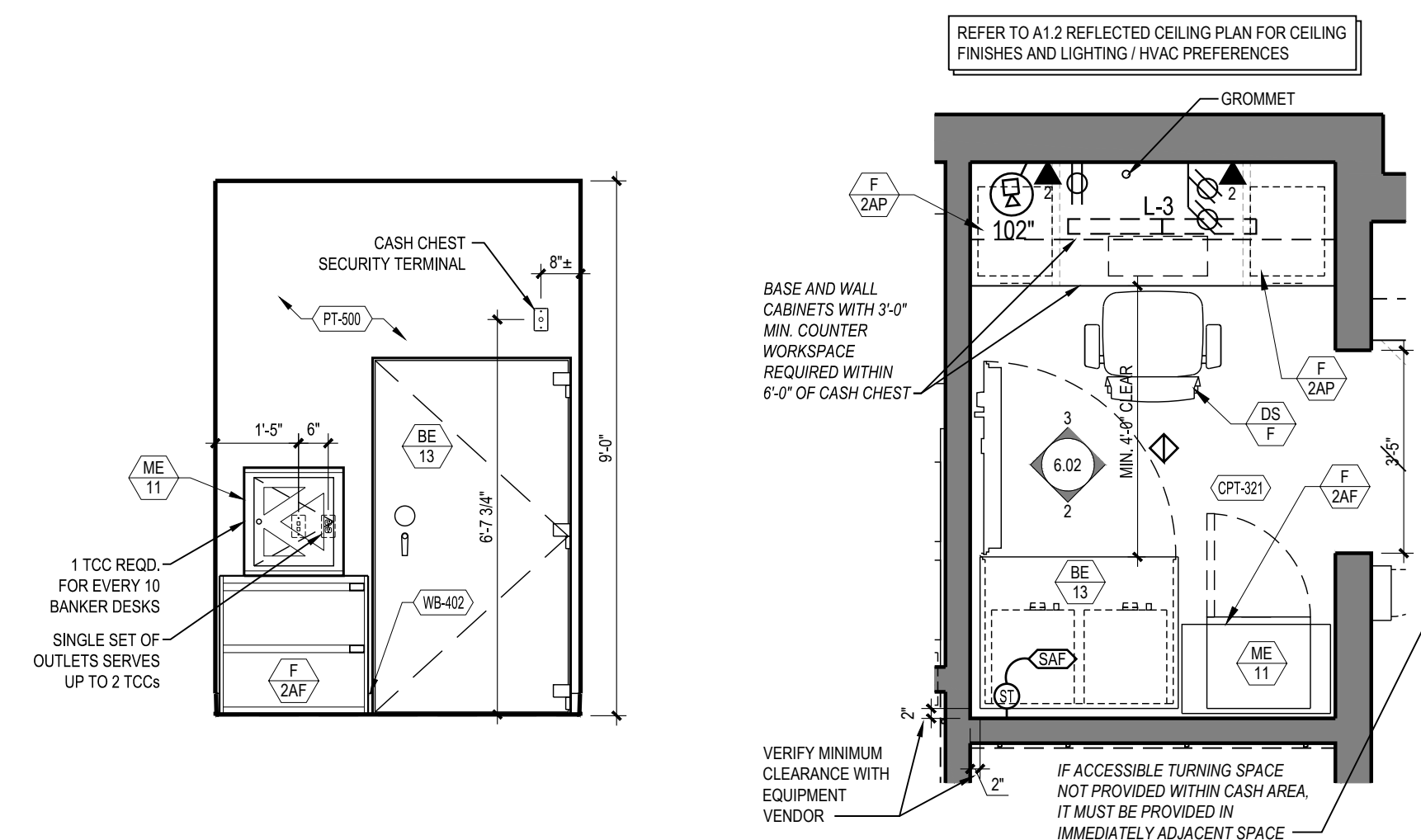
LAO / CASH ROOM  
ACCESS TELLER  
TRANSACTION EQUIPMENT ROOM

02/04/2022

SHEET

## A6.02

LAO / CASH ROOM



LAO MILLWORK WALL  
ELEVATION

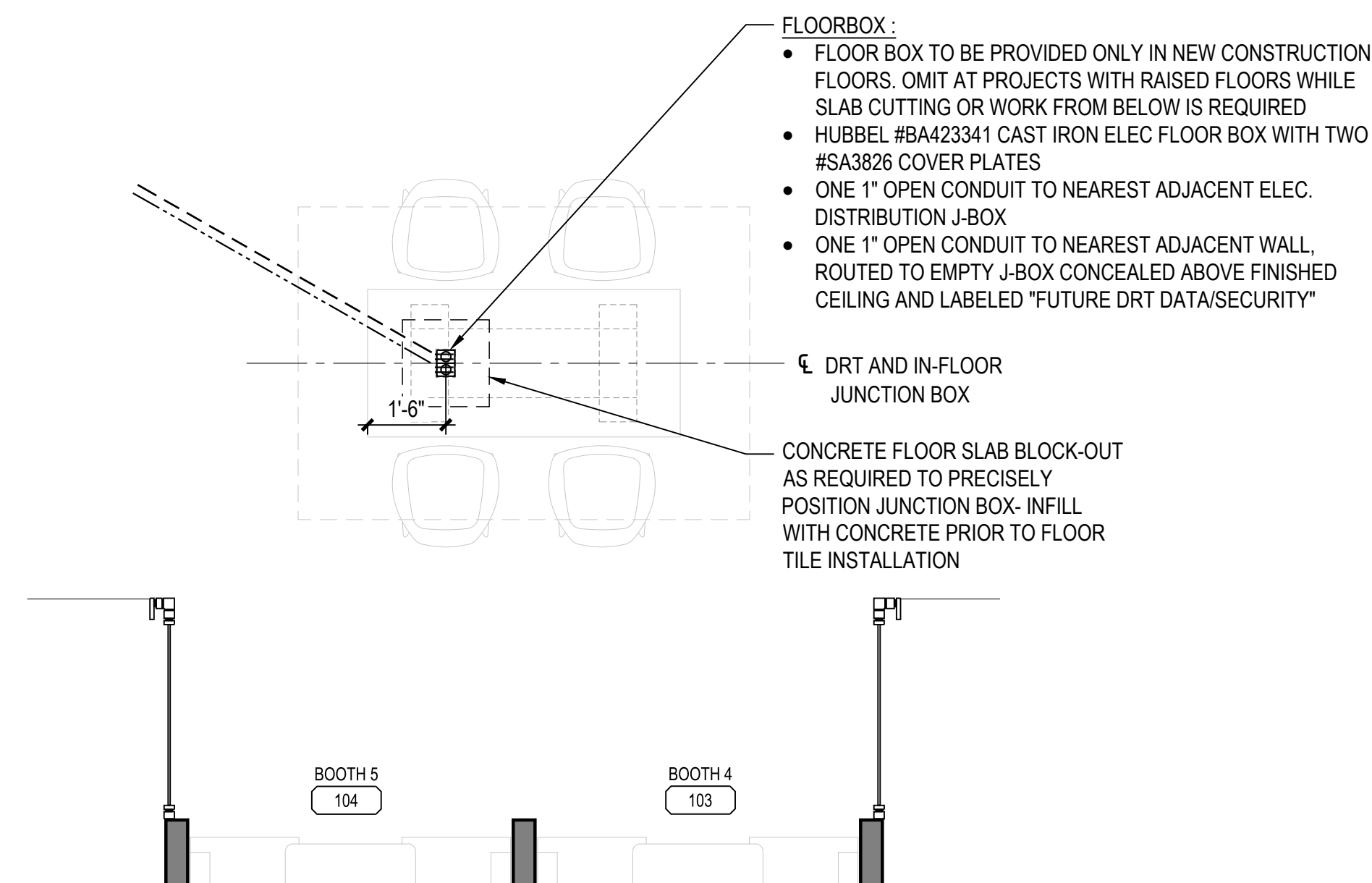
2  
A6.02

CASH CHEST WALL  
ELEVATION

3/8" = 1'-0"

LAO / CASH ROOM  
FLOOR PLAN

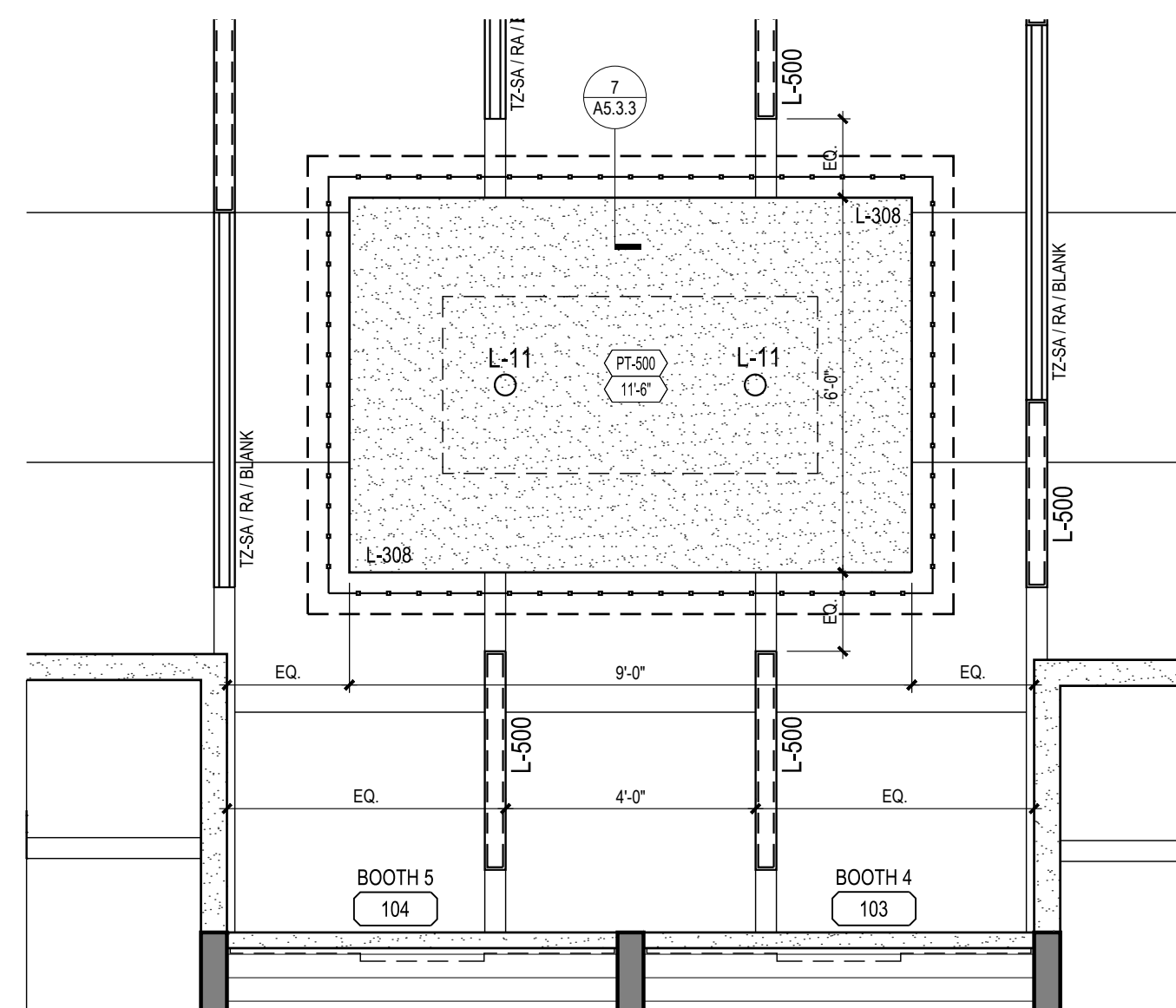




5  
A6.03

DRT  
ELEC./DATA/SEC. PLAN

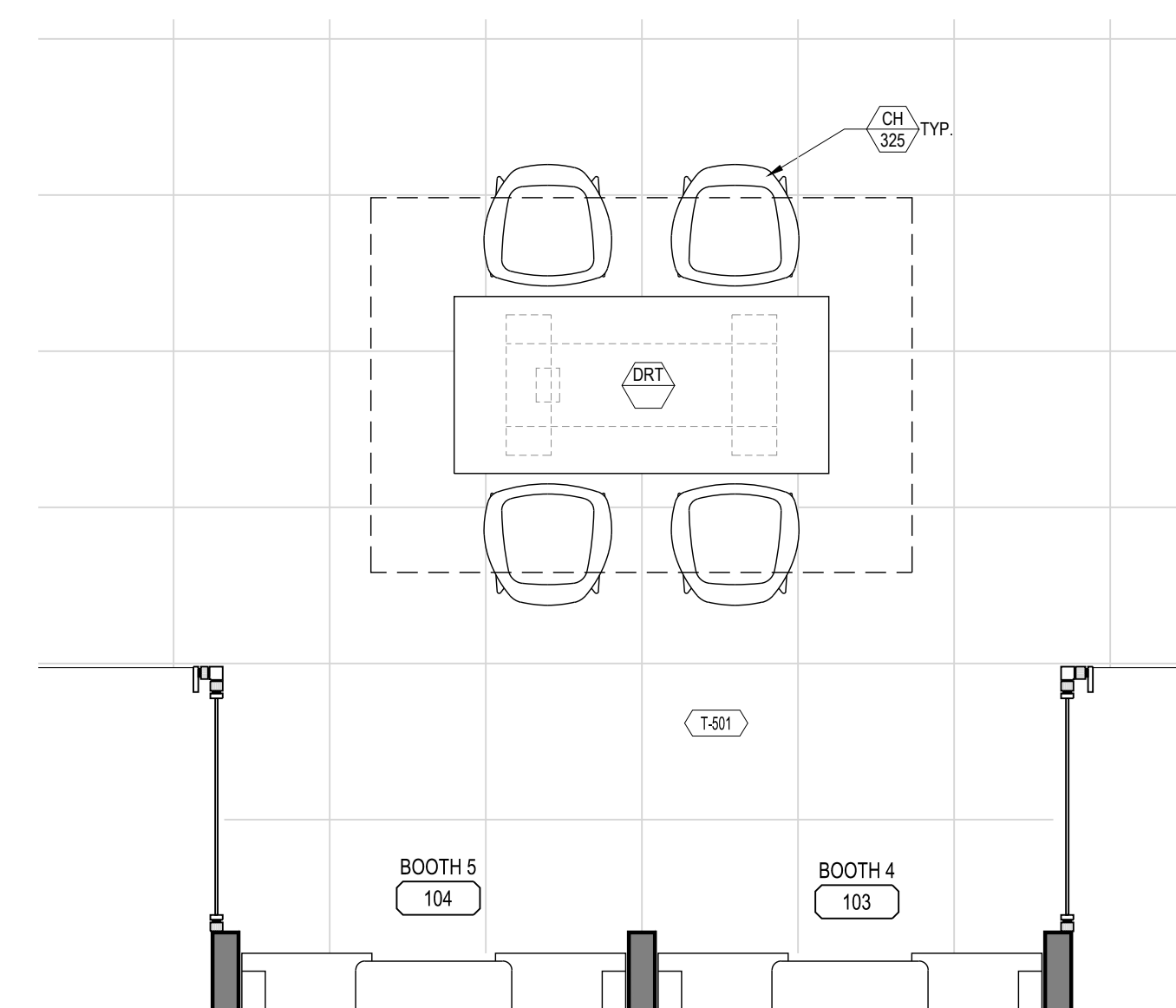
3/8" = 1'-0"



4  
A6.03

DRT  
REFL. CLG. PLAN

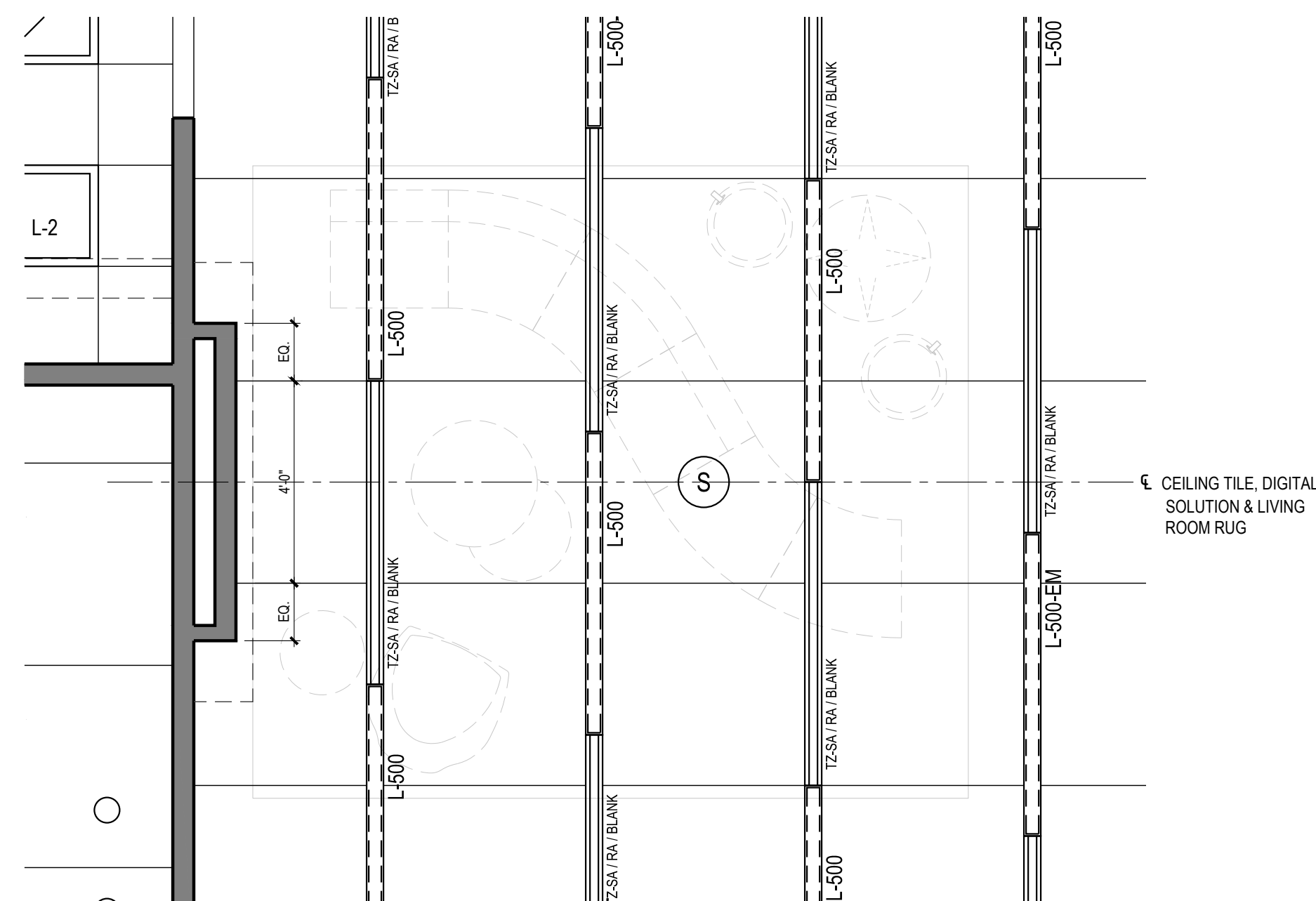
3/8" = 1'-0"



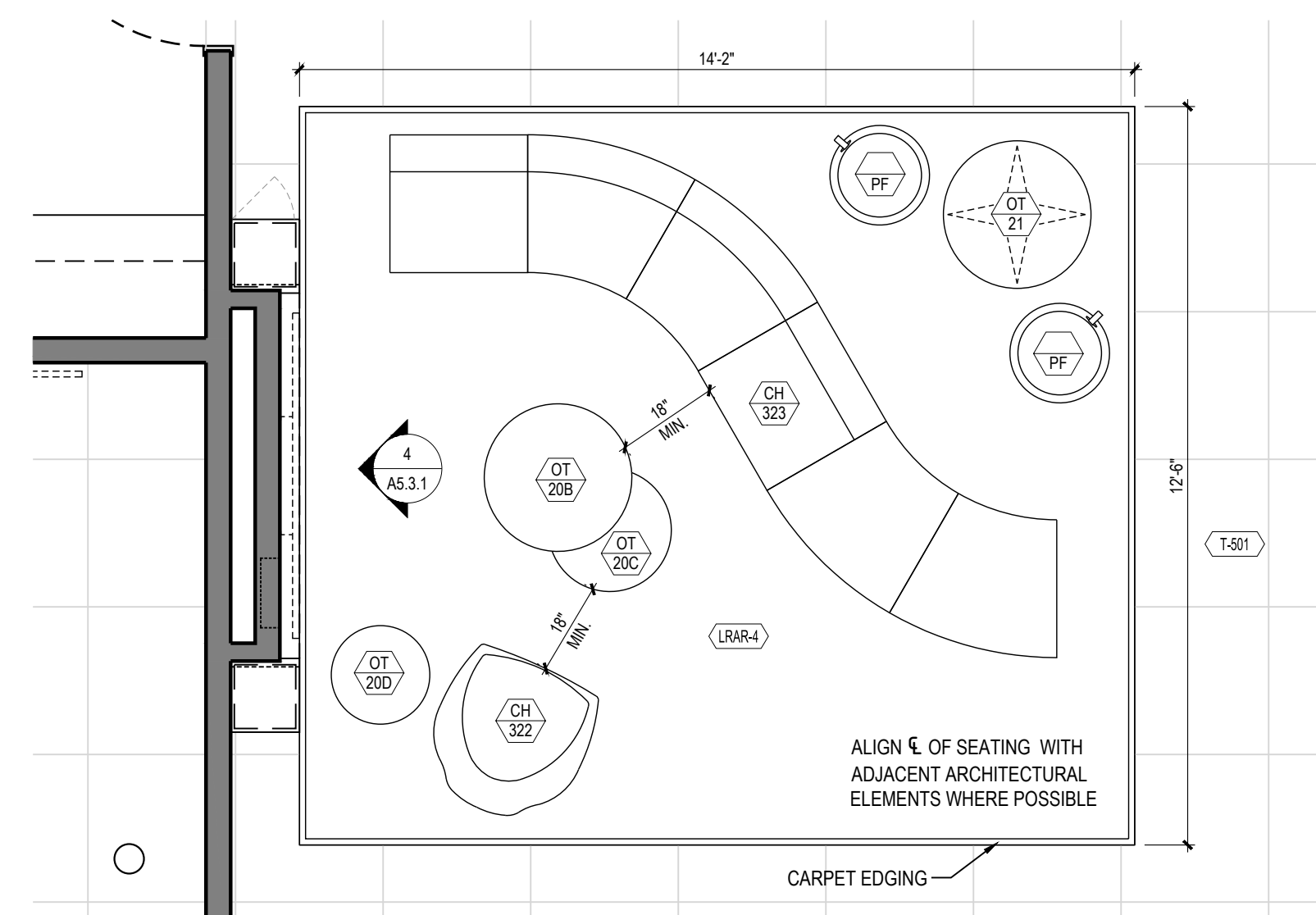
DRT  
FLOOR PLAN

3  
A6.03

3/8" = 1'-0"



2 REFLECTED CEILING PLAN  
A6.03 3/8" = 1'-0"



1 FLOOR PLAN  
A6.03 3/8" = 1'-0"

## DINING ROOM TABLE (DRT)

**PREPARED BY:**

EBI Consulting

ENVIRO BUSINESS, INC.  
21 B Street | Burlington, MA 01803  
Tel: (781) 273-2500 | [www.ebiconsulting.com](http://www.ebiconsulting.com)

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908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

[illegible]

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

## CONTENTS

LIVING ROOM  
DINING ROOM TABLE (DRT)

02/04/2022

SHEET

## A6.03





13  
A6.04

13  
A6.04

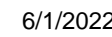


12  
A6.04

12  
A6.04

# BOOTH

SIGNED BY:



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LEE'S SUMMIT, MO 64081

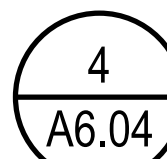
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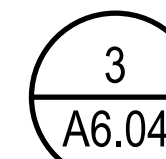
BOOTH  
COMMUNITY WALL

## A6.04



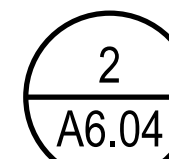
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A6.04

4  
A6.04



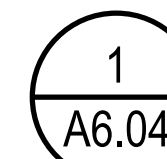
3  
A6.04

3  
A6.04



2  
A6.04

2  
A6.04



1  
A6.04

1  
A6.04



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PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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PRIVATE CONSULTATION SPACE

02/04/2022

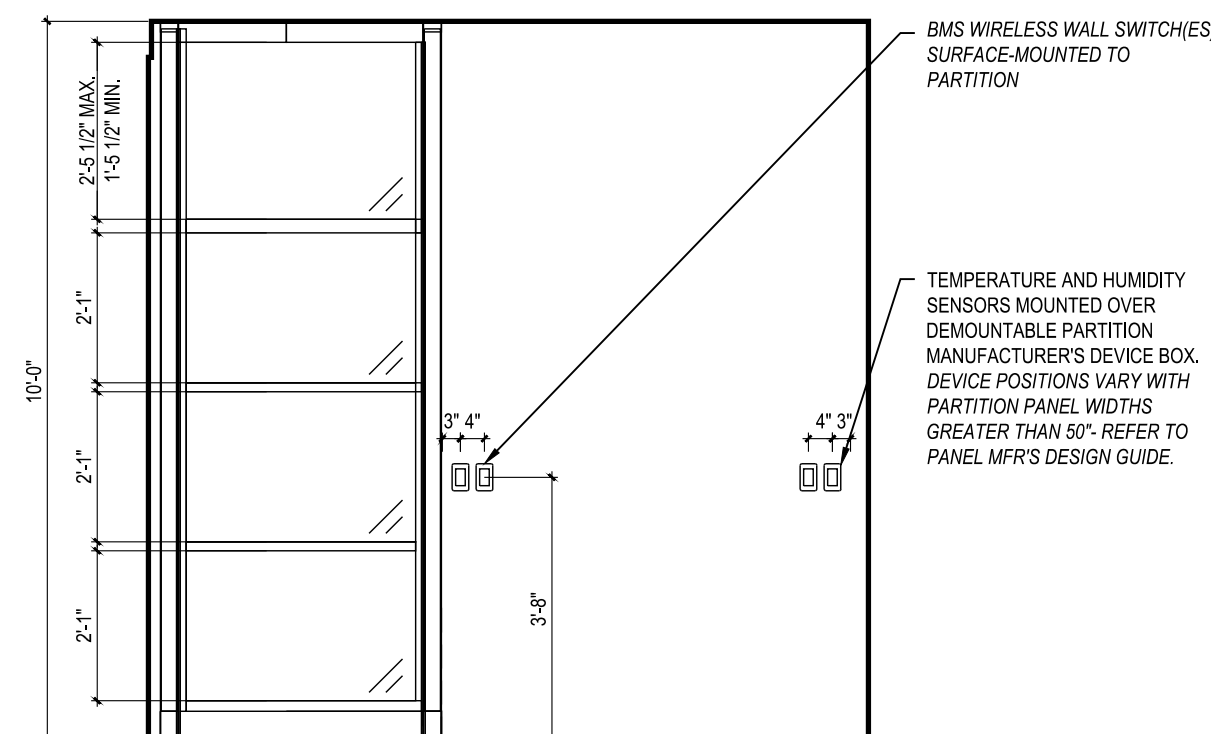
SHEET

## A6.05

PRIVATE CONSULT. SPACE (PCS)

IN JURISDICTIONS WHERE FURNITURE MANUFACTURER'S MODULAR POWER SYSTEM IS NOT PERMITTED (GENERALLY NEW YORK CITY AND CHICAGO):

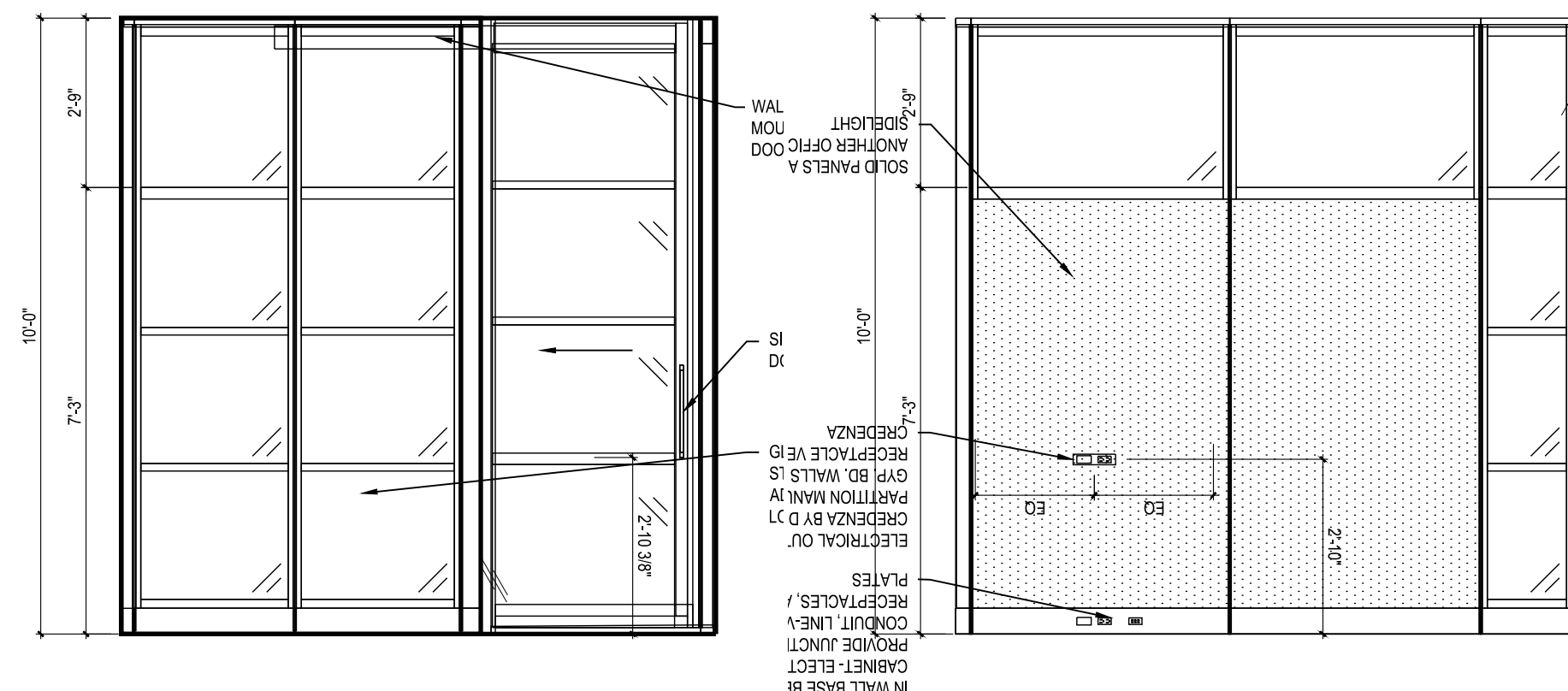
- JUNCTION BOXES AND COVER PLATES FOR ELECTRICAL RECEPTACLES IN PARTITION PANELS ARE PROVIDED BY PARTITION MFR.; CONDUIT, WIRING, AND RECEPTACLES ARE PROVIDED BY ELECTRICIAN.
- FOR ELECTRICAL AND DATA DEVICES IN PARTITION BASES, ALL COMPONENTS ARE PROVIDED BY ELECTRICIAN.



ELEVATION-  
WALL ADJ. TO OFFICE

---

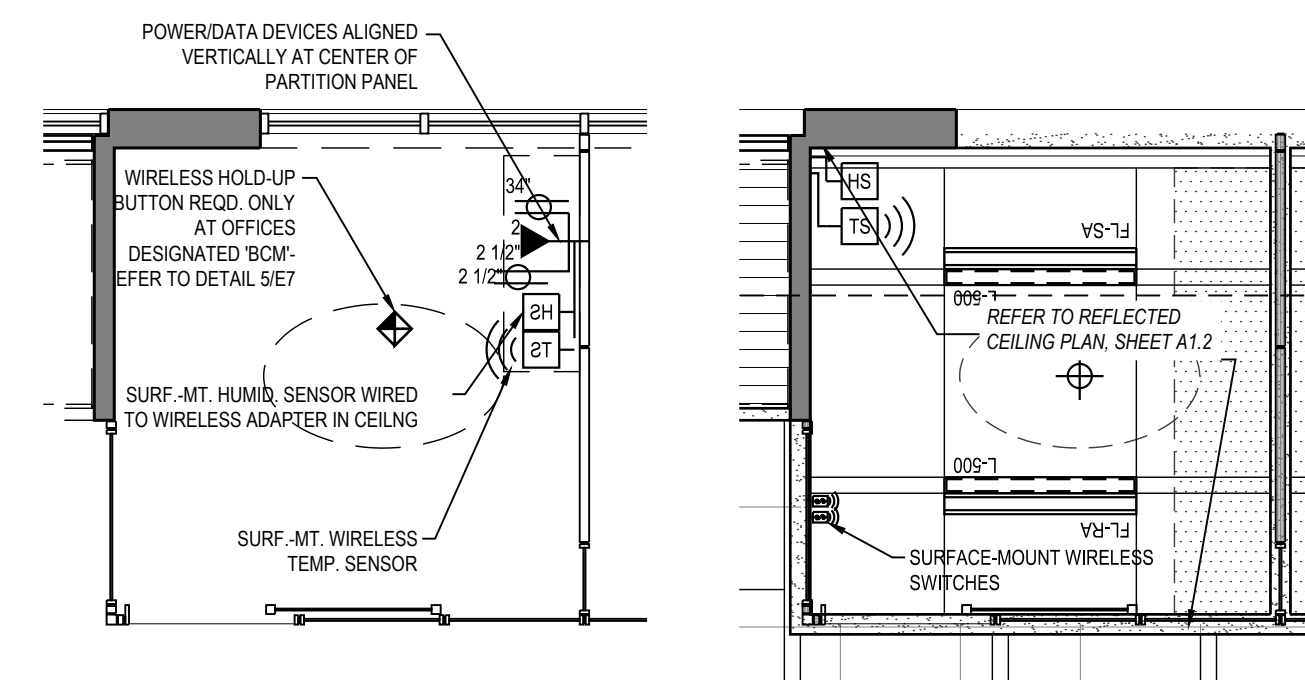
6  
A6.05      3/8" = 1'-0"



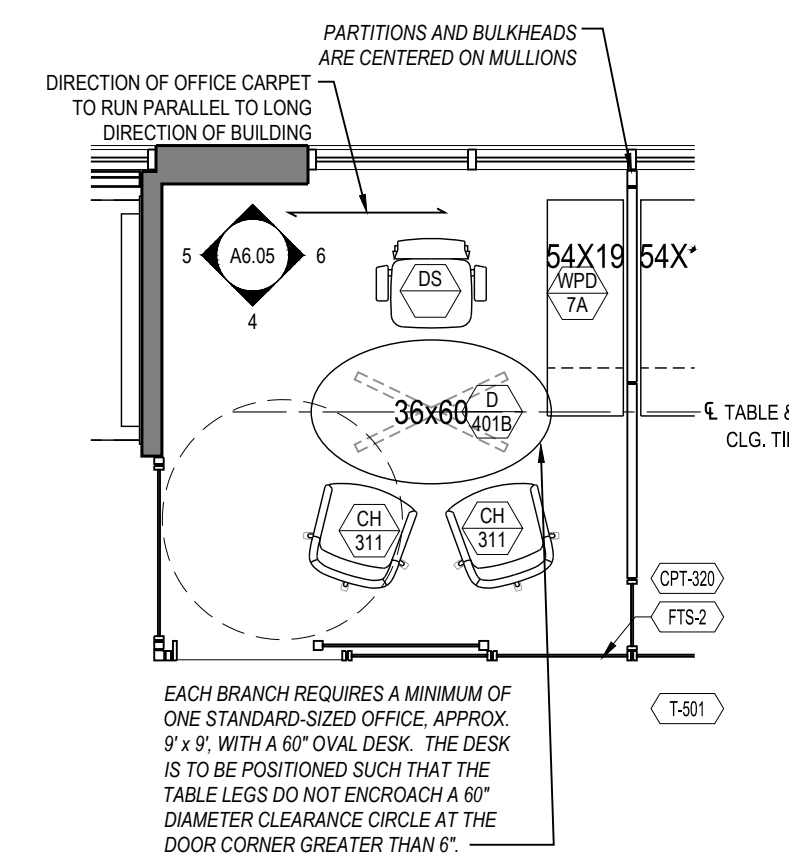
5  
A6.05


ELEVATION-  
DOOR WALL


3/8" = 1'-0"



3  
A6.05



DOOR CORNER GREATER THAN 6". 

 **FLOOR PLAN**  
1/4" = 1'-0"

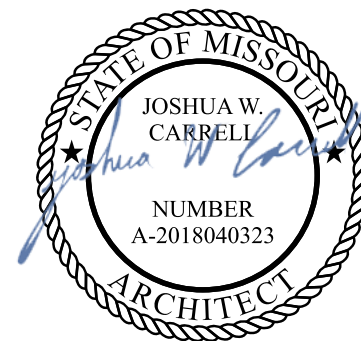


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**CONFERENCE ROOM**

EBI JOB #4121000090

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PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

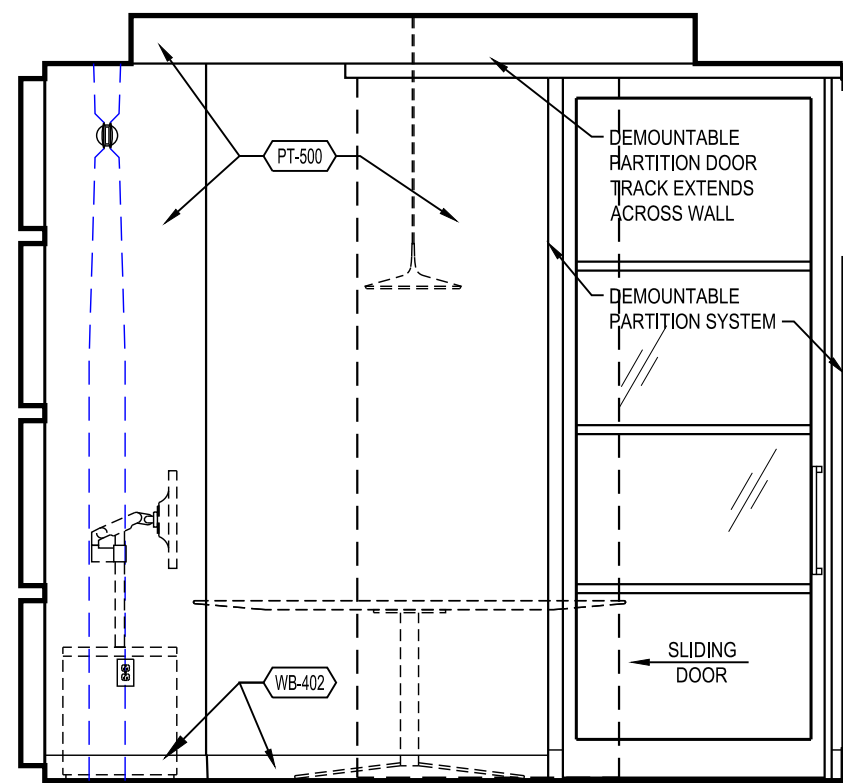
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CONFERENCE ROOM

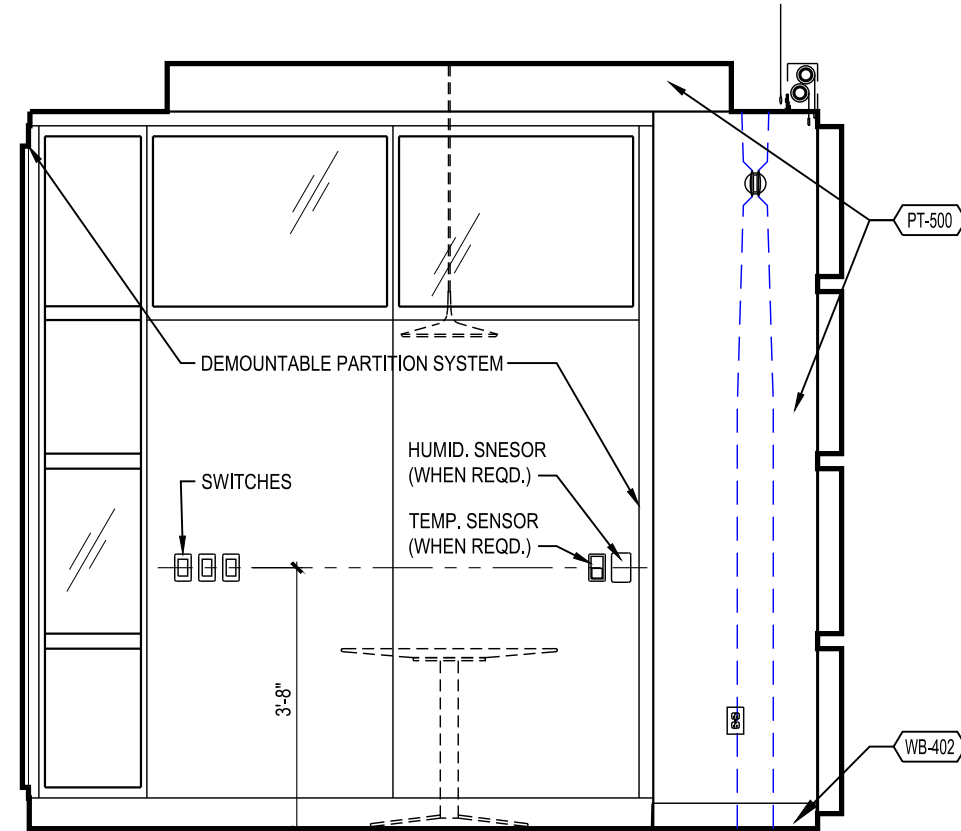
02/04/2022

SHEET

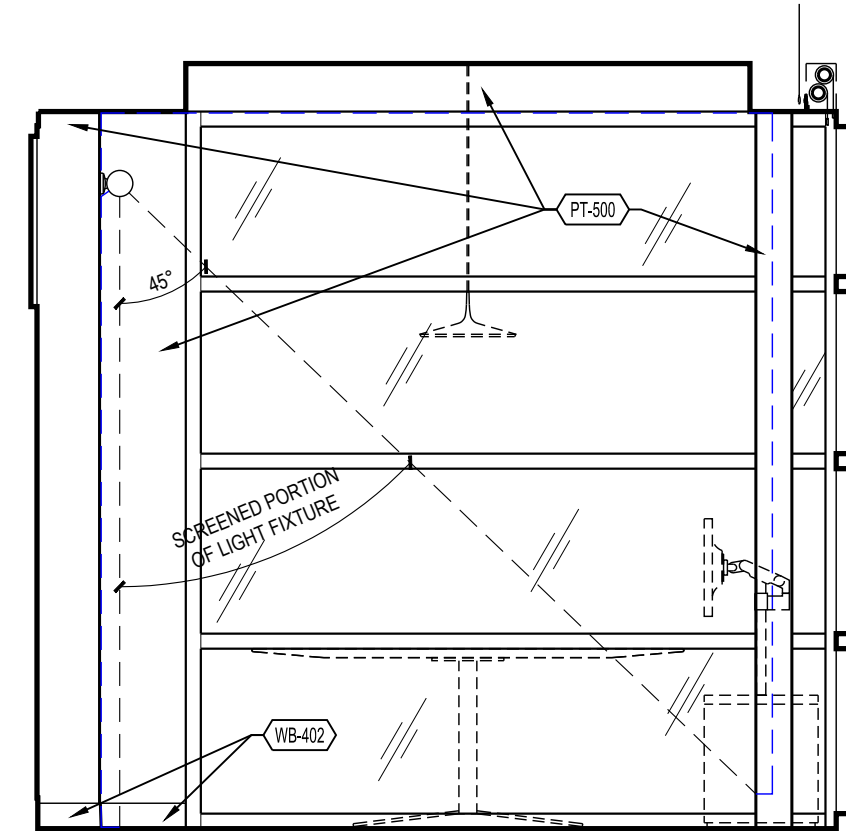
**A6.06**



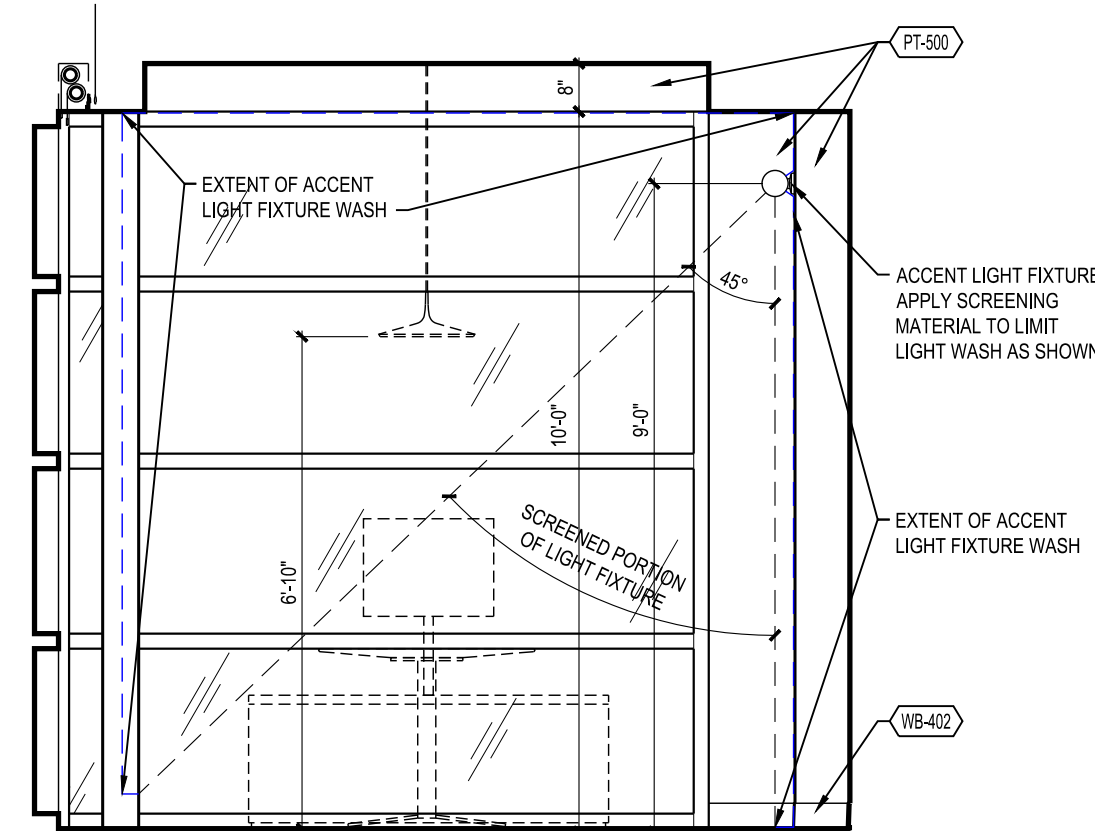
7  
A6.06  
ELEV- DOOR WALL  
3/8" = 1'-0"



6  
A6.06  
ELEV- DEMOUNT. PART. WALL  
3/8" = 1'-0"

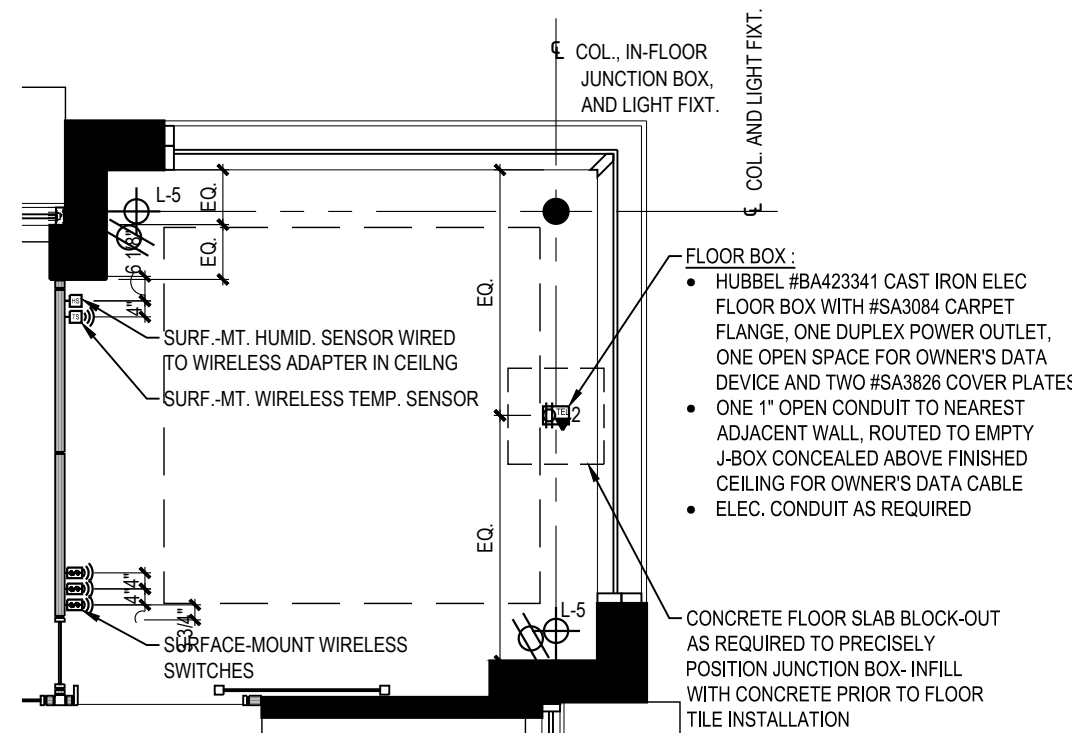


5  
A6.06  
ELEV- EXTERIOR WALL  
3/8" = 1'-0"

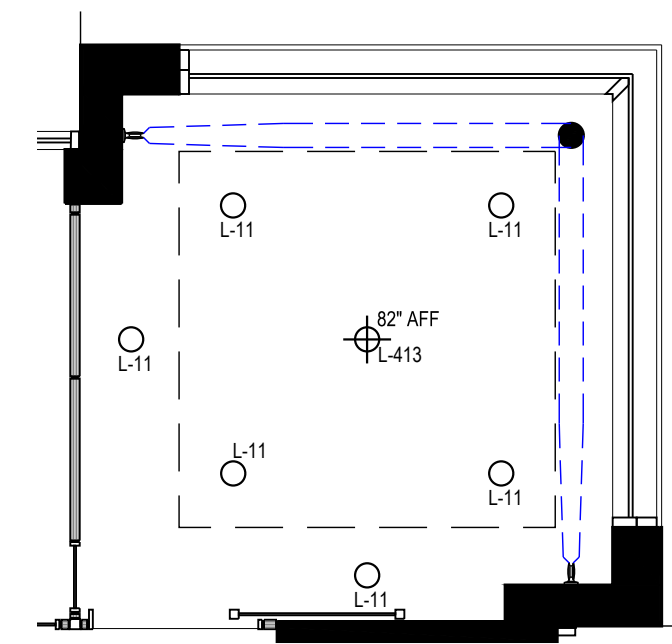


4  
A6.06  
ELEV- EXTERIOR WALL  
3/8" = 1'-0"

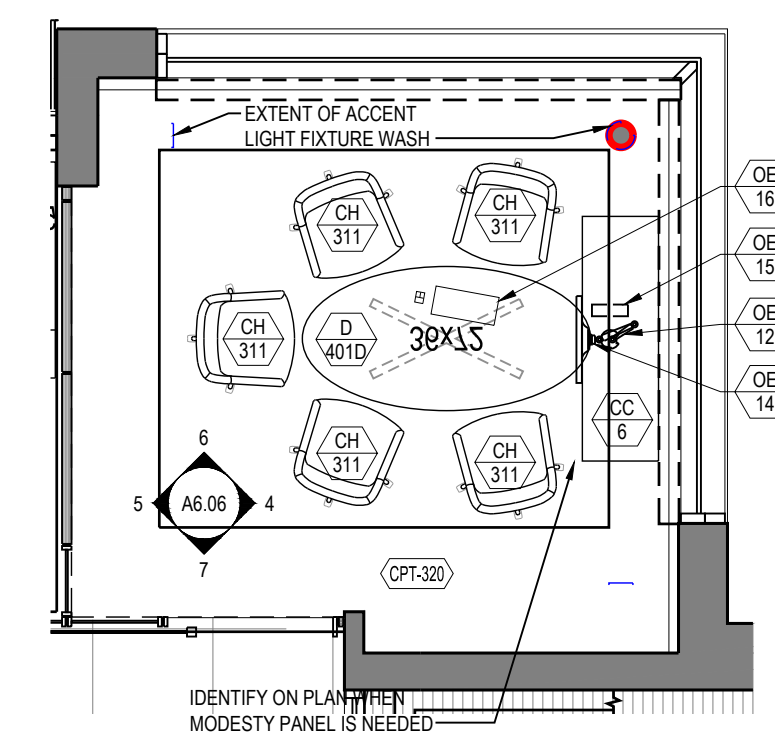
FOR FURTHER GUIDANCE ON AVAILABLE DEMOUNTABLE PARTITION SYSTEM CONFIGURATIONS, REFER TO FURNITURE VENDORS DOCUMENT "RETAIL BRANCH PRIVACY WALL ARCHITECTURAL STANDARDS" POSTED TO OVP.



3  
A6.06  
ELEC./DATA/SECURITY PLAN  
1/4" = 1'-0"



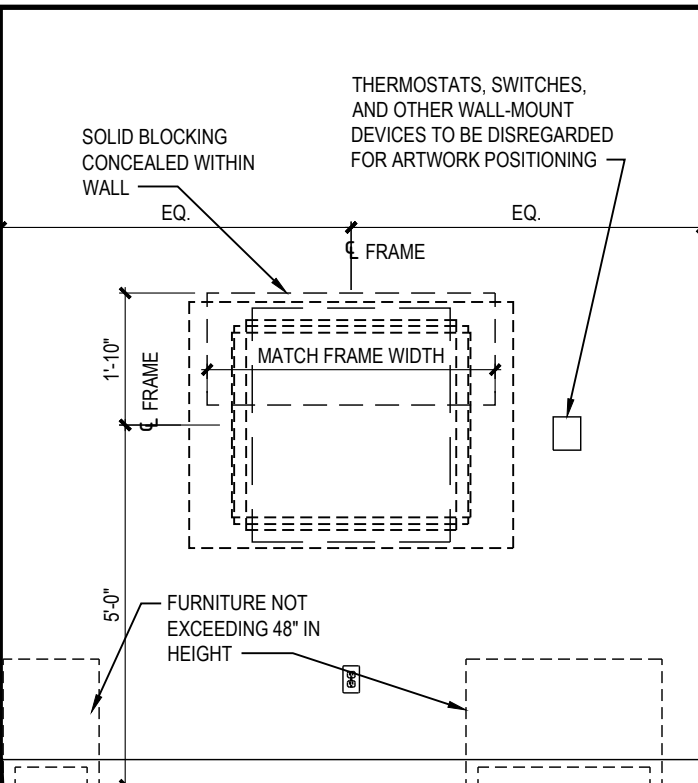
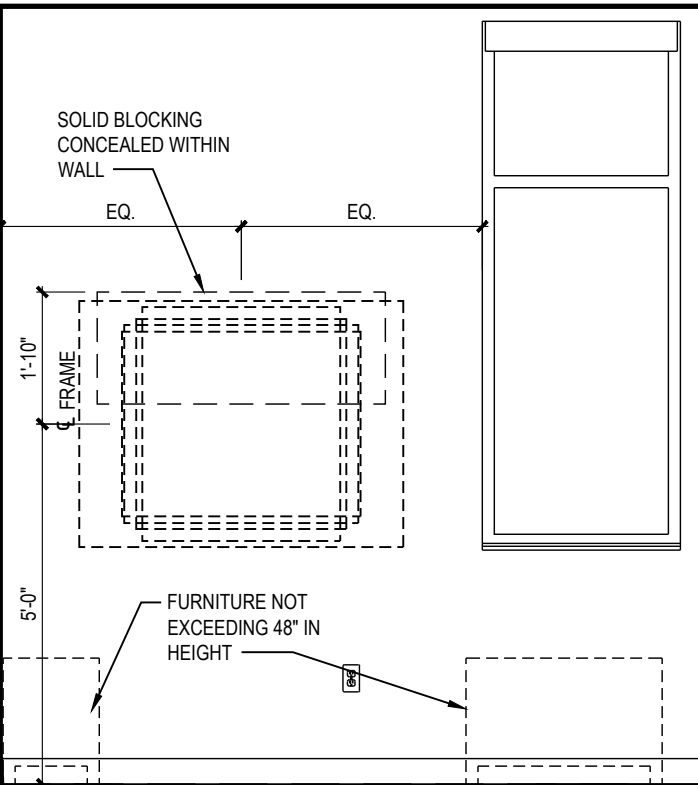
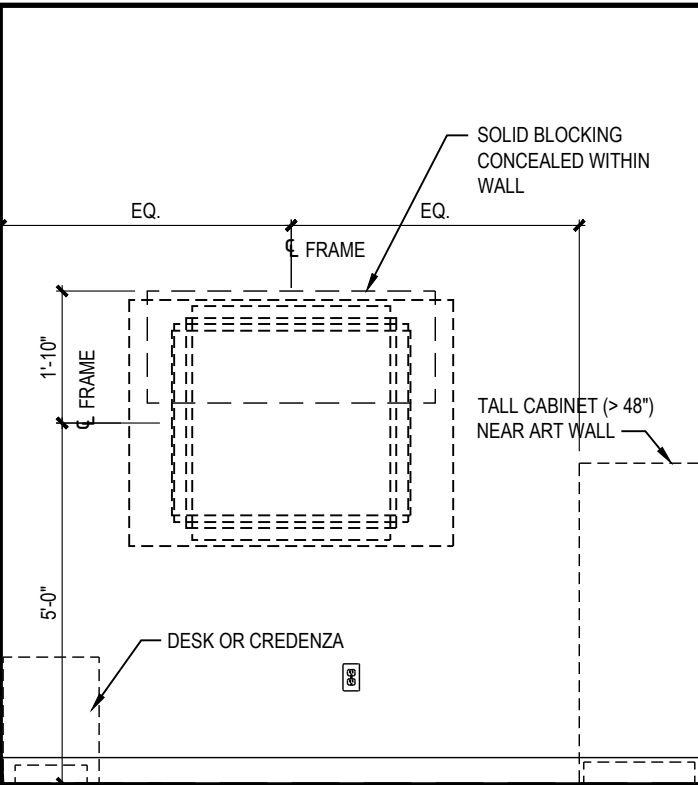
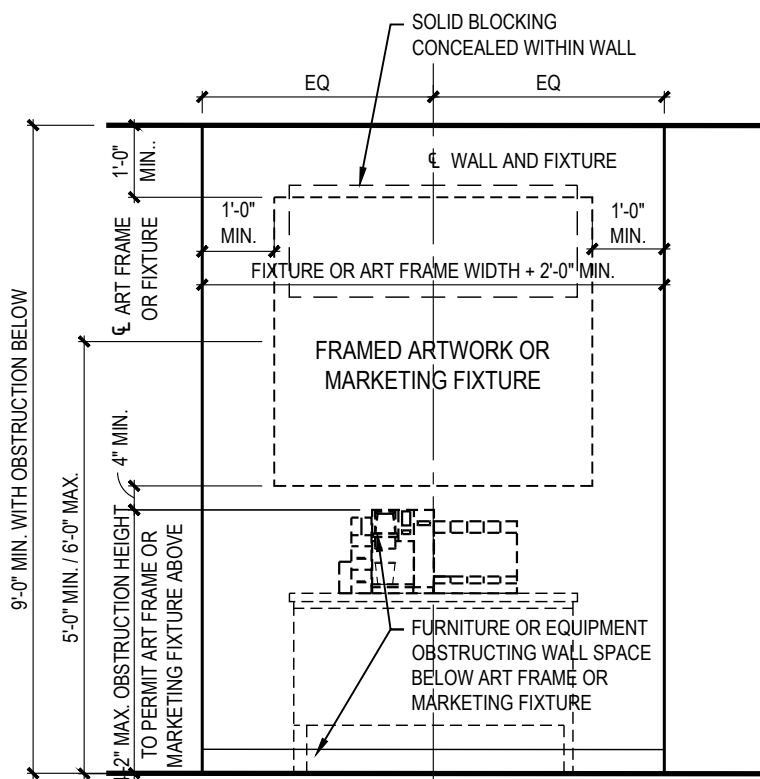
2  
A6.06  
REFL. CEILING PLAN  
1/4" = 1'-0"



1  
A6.06  
FLOOR PLAN  
1/4" = 1'-0"



ART AND MARKETING



- 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
    - 35"W x 38"H
    - 39"W x 33"H
    - 39.75"W x 30.75" H
  - LARGE SIZE FOR CONFERENCE ROOMS AND LOBBIES ONLY:
    - 54"W x 41"H

ELEVATIONS:  
ART AND MARKETING MATERIALS POSITIONING

10  
A6.07

3/8" = 1'-0"

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PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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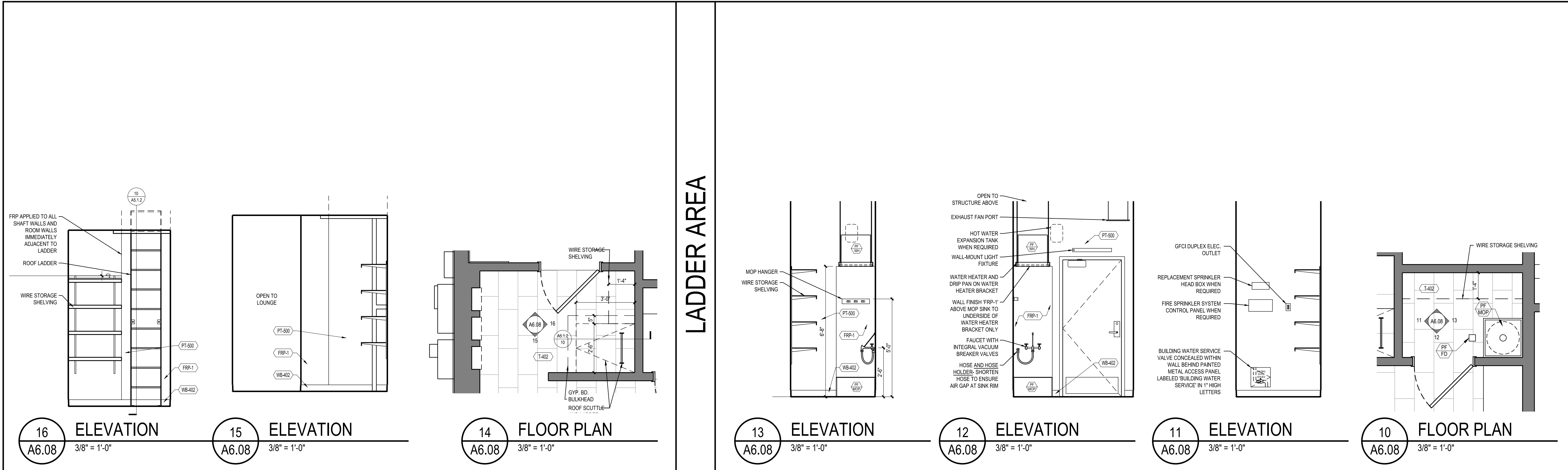
ART AND MERCHANDISING POSITIONING

02/04/2022

SHEET

A6.07





JANITOR'S CLOSET

PREPARED BY:

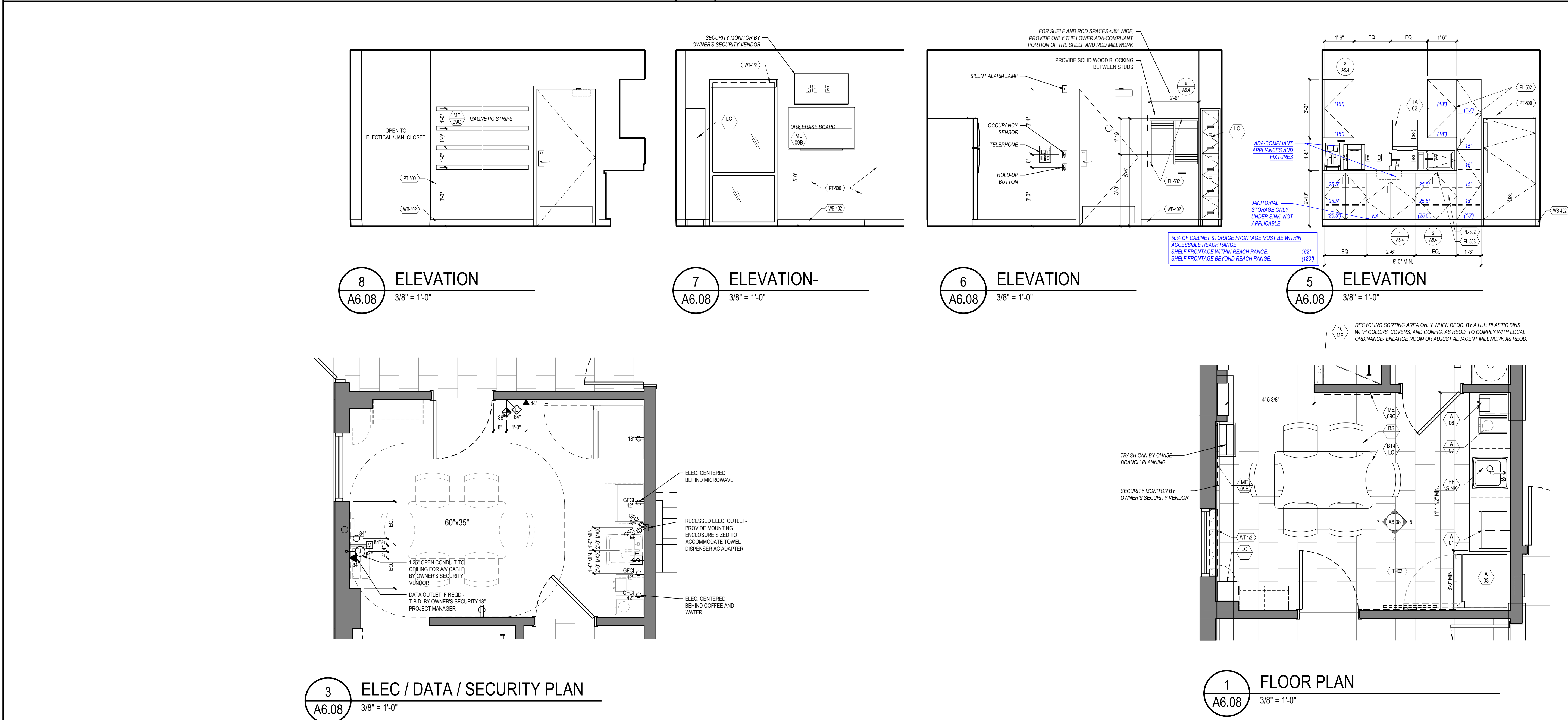
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LOUNGE

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**PRYOR & LOWENSTEIN**  
PROTOTYPE VERSION 20.4

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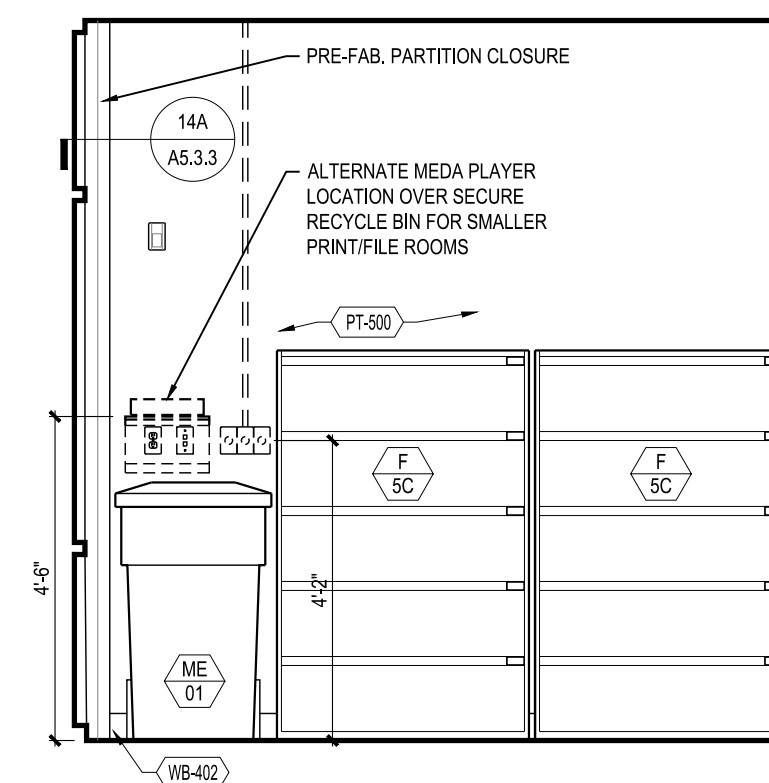
LOUNGE  
JANITOR'S CLOSET  
ELECTRICAL PANEL / LADDER AREA

02/04/2022

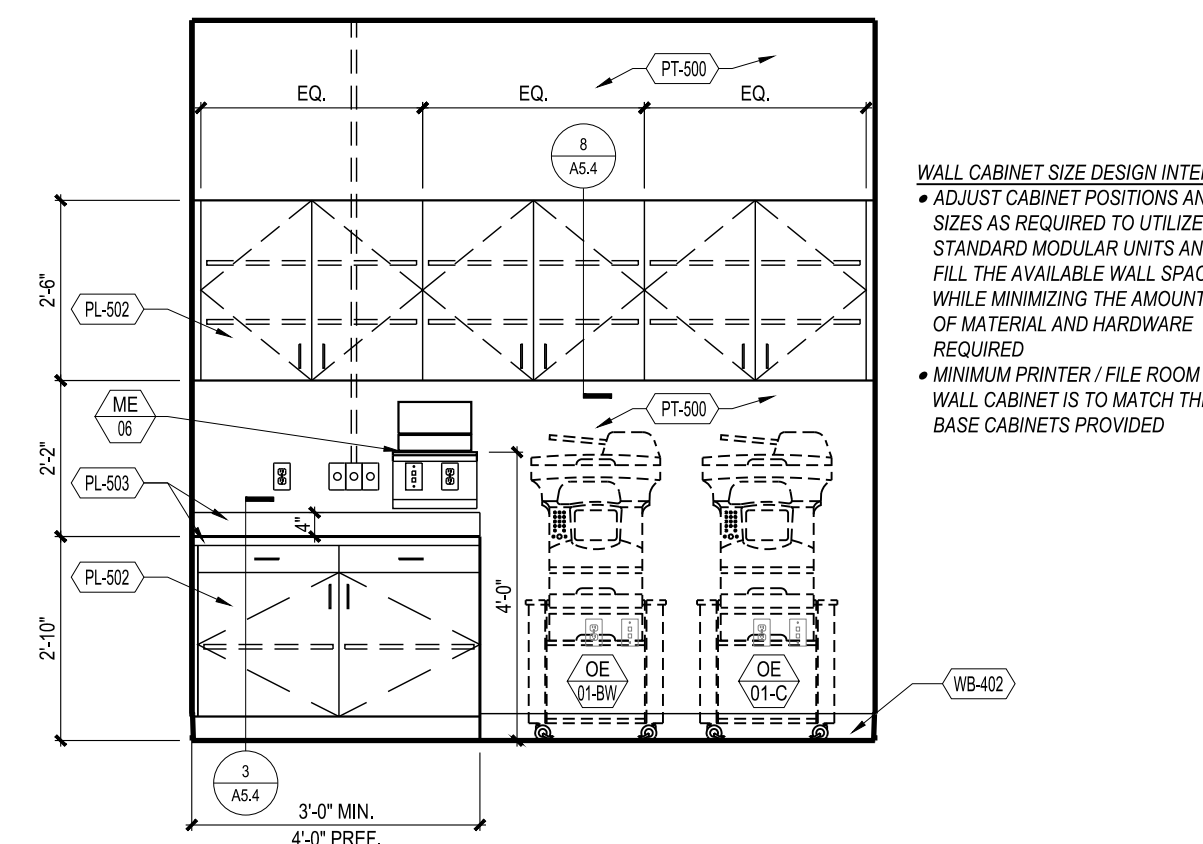
SHEET

**A6.08**

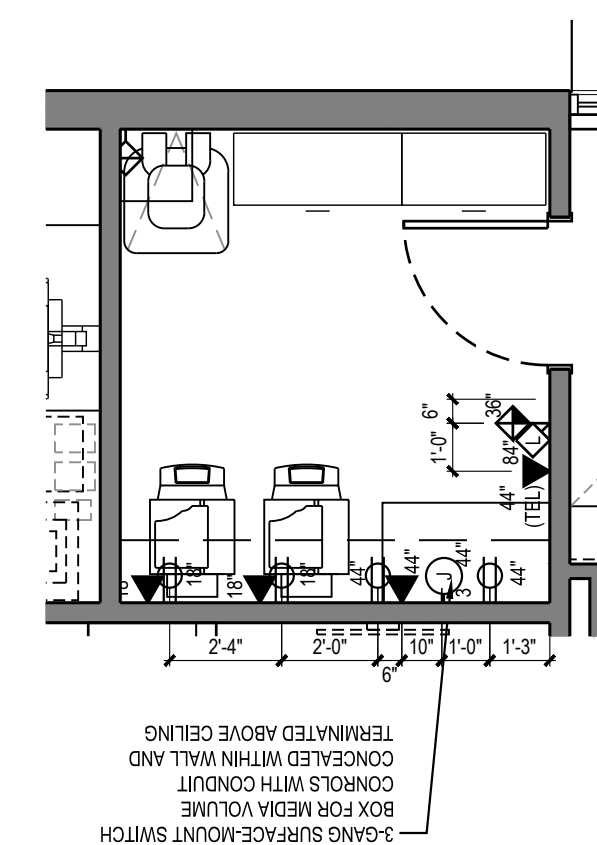




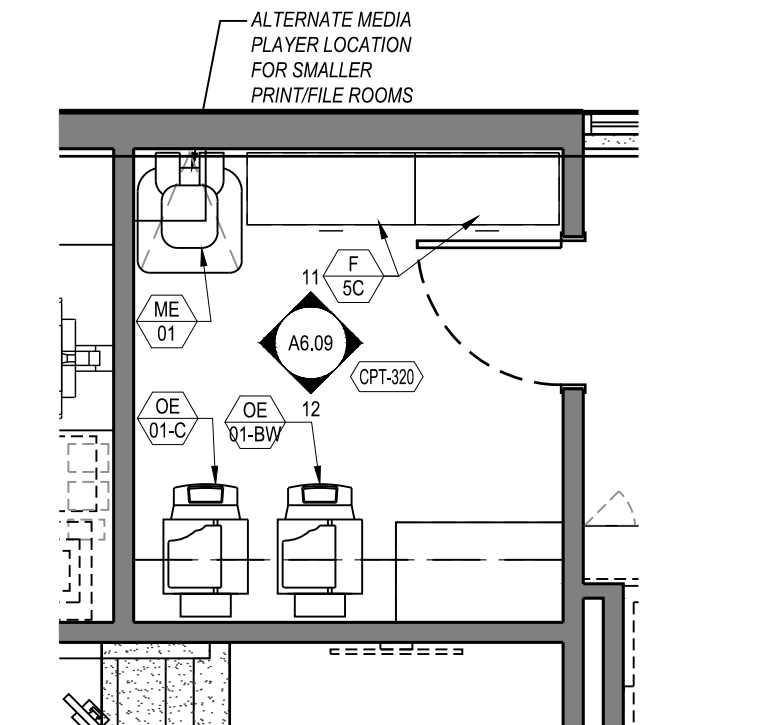
13 INTERIOR ELEVATION  
A6.09 3/8" = 1'-0"



12 INTERIOR ELEVATION  
A6.09 3/8" = 1'-0"



11 ELEC/DATA PLAN  
A6.09 1/4" = 1'-0"



9 FLOOR PLAN  
A6.09 1/4" = 1'-0"

## PRINT / FILE ROOM

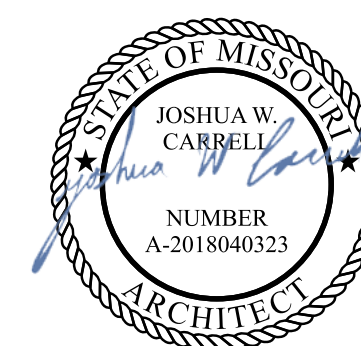
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## RESTROOMS

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[illegible]

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

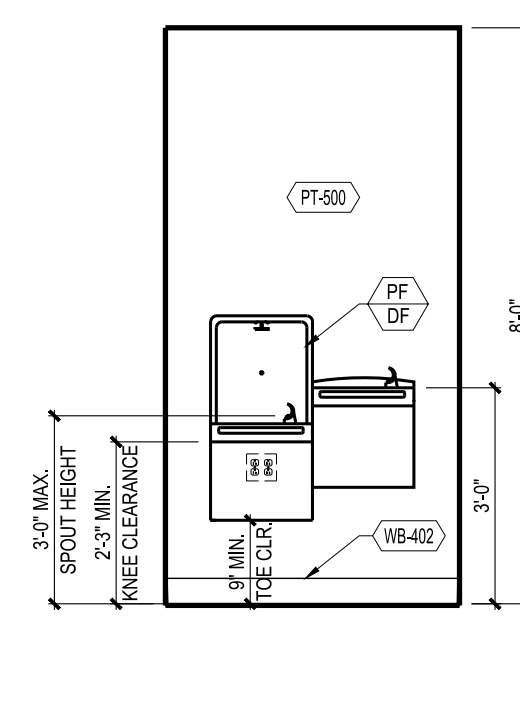
## CONTENTS

RESTROOMS  
PRINT / FILE ROOM

02/04/2022

SHEET

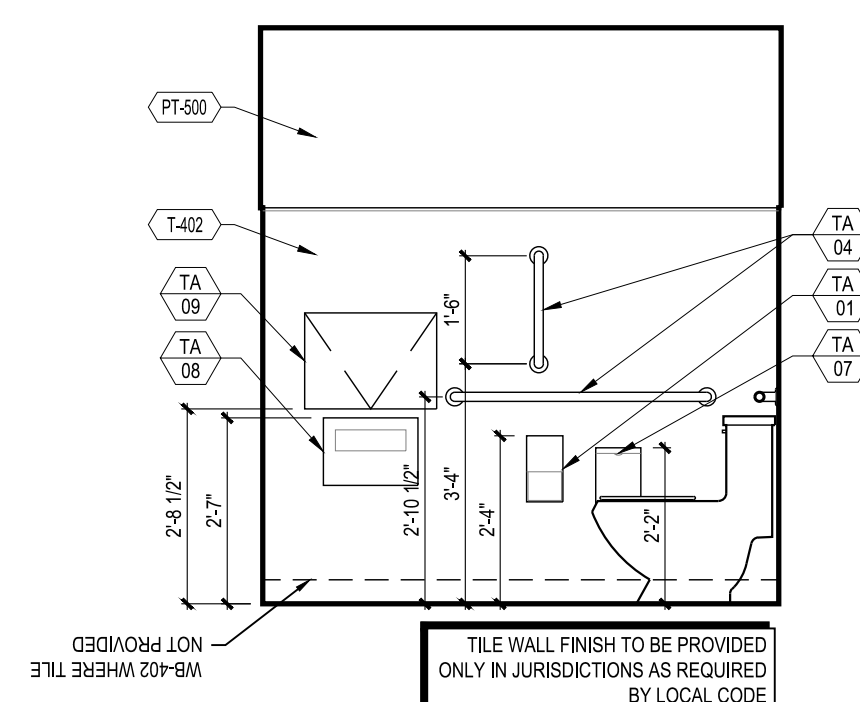
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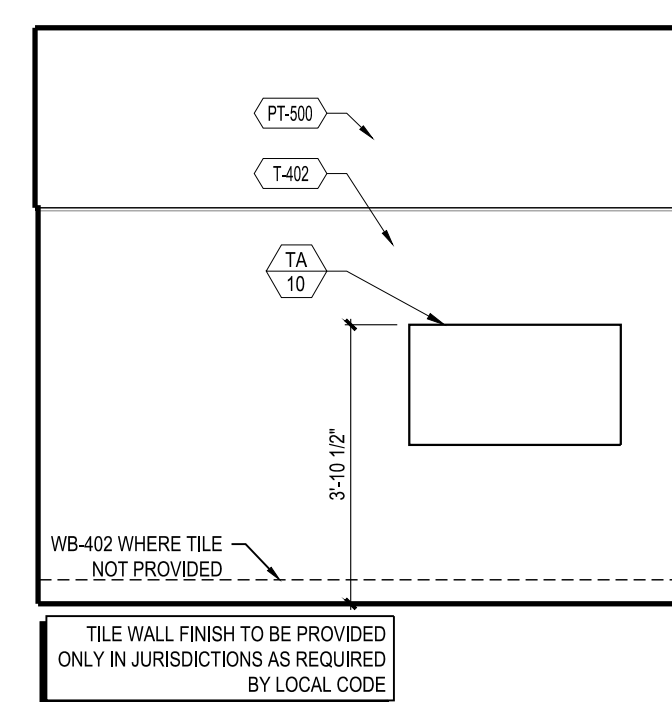
8  
A6.07

ELEVATION-  
FOUNTAINS

3/8" = 1'-0"



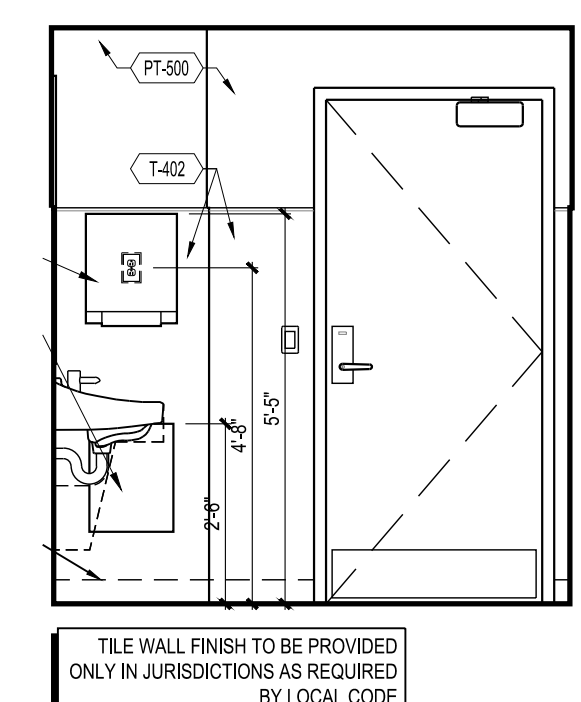
**ELEVATION-  
RESTROOM**



ELEVATION  
RESTROOM

6  
A6.07

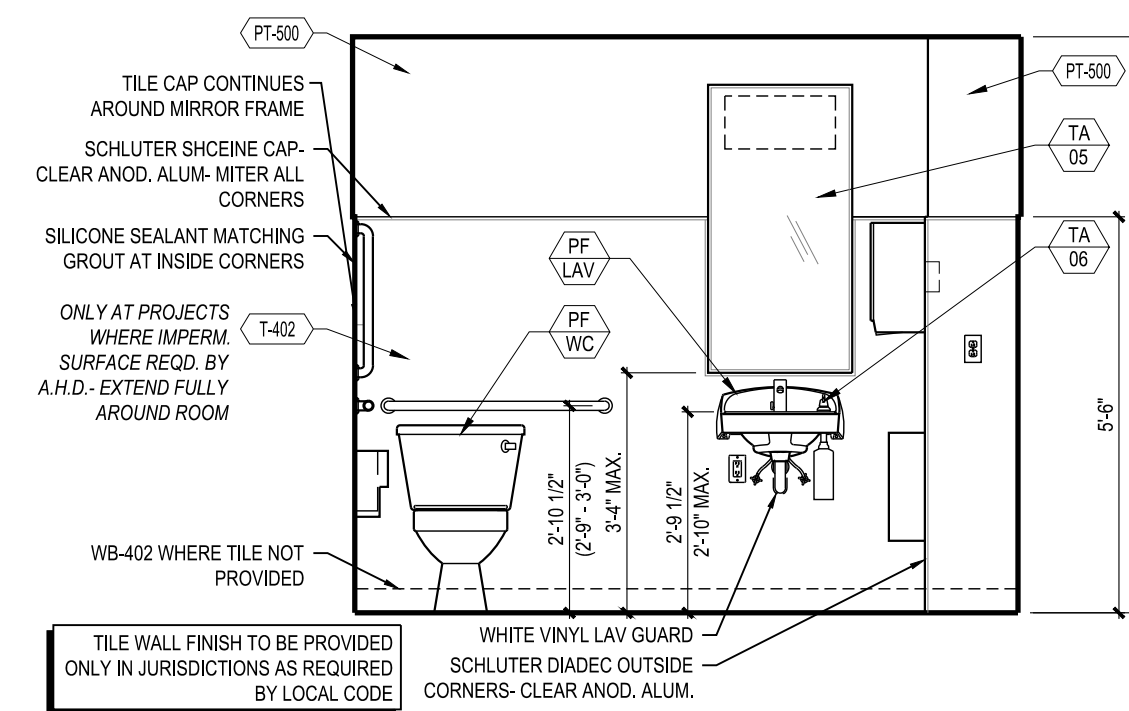
3/8" = 1'-0"



5  
A6.07

ELEVATION-  
RESTROOM

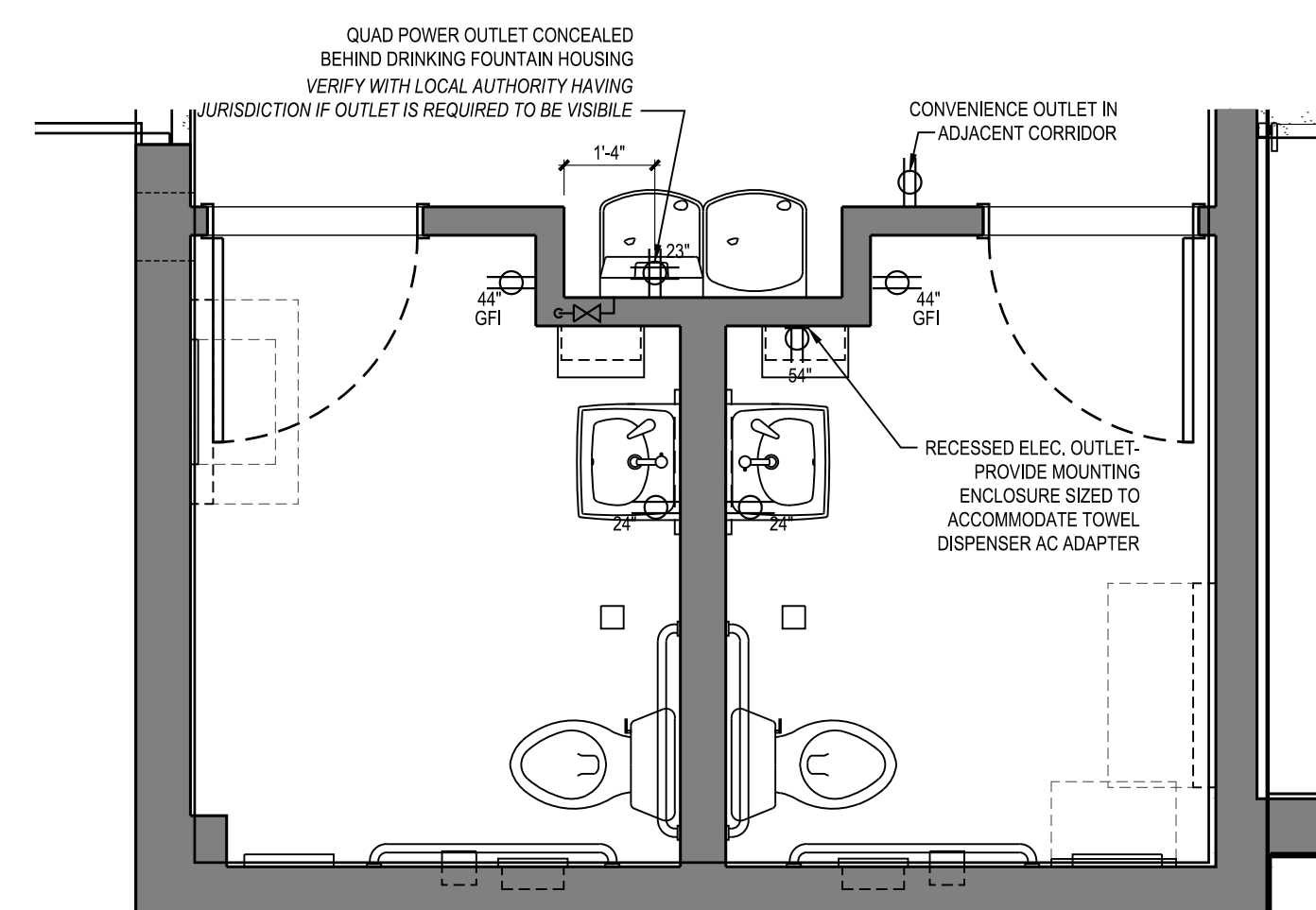
3/8" = 1'-0"



4  
A6.07

ELEVATION-  
RESTROOM

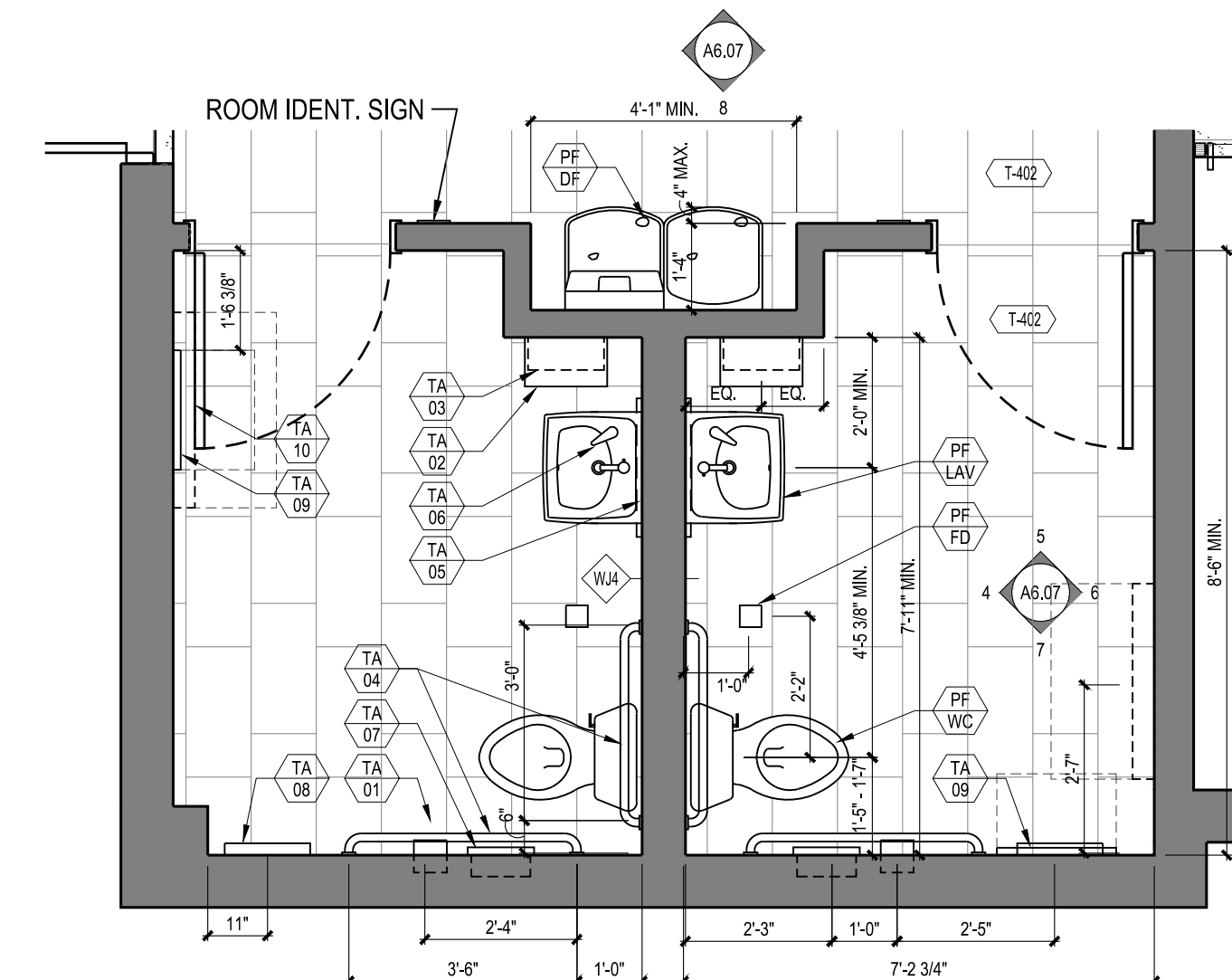
3/8" = 1'-0"



3  
A6.07

ELEC. PLAN

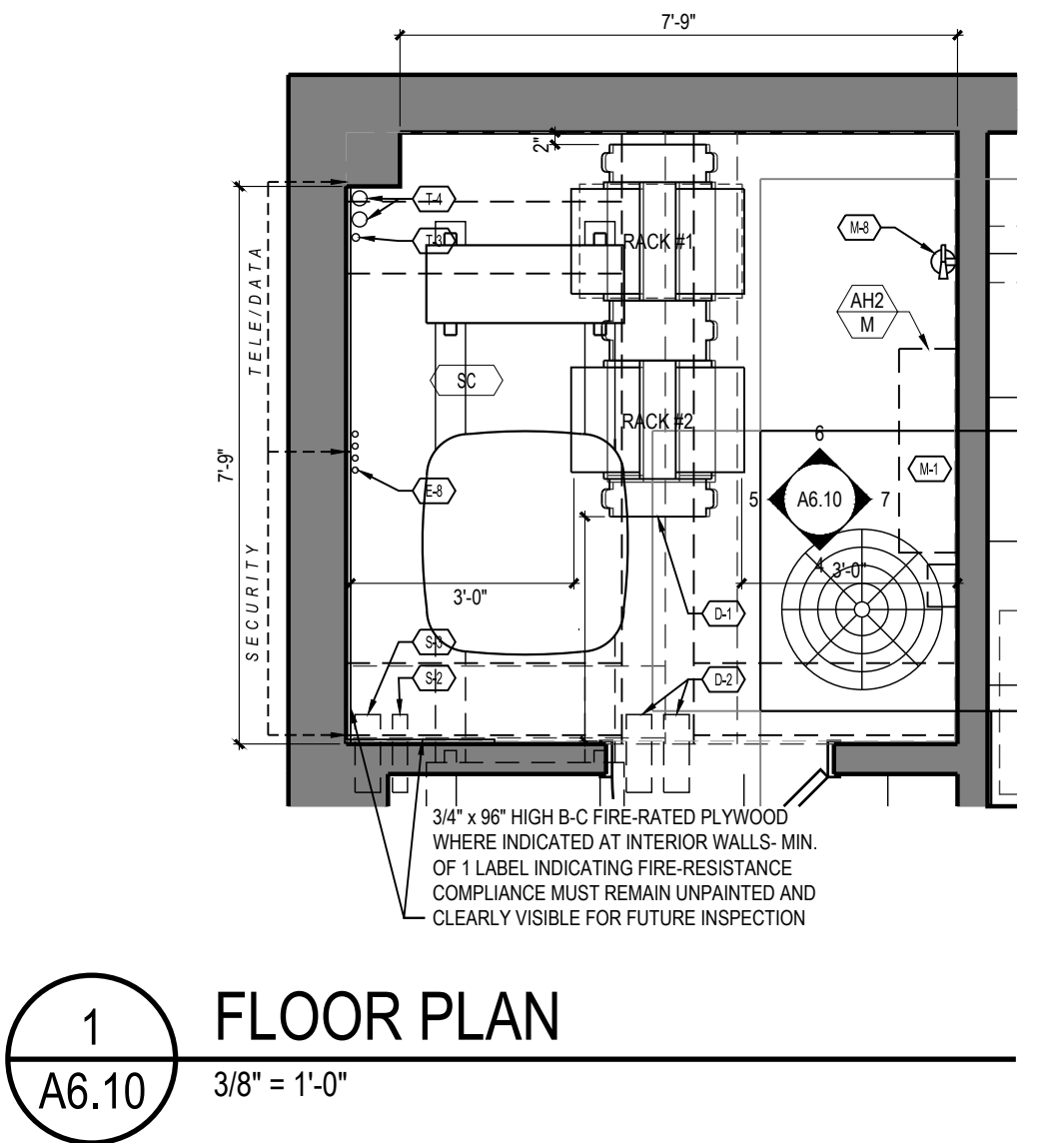
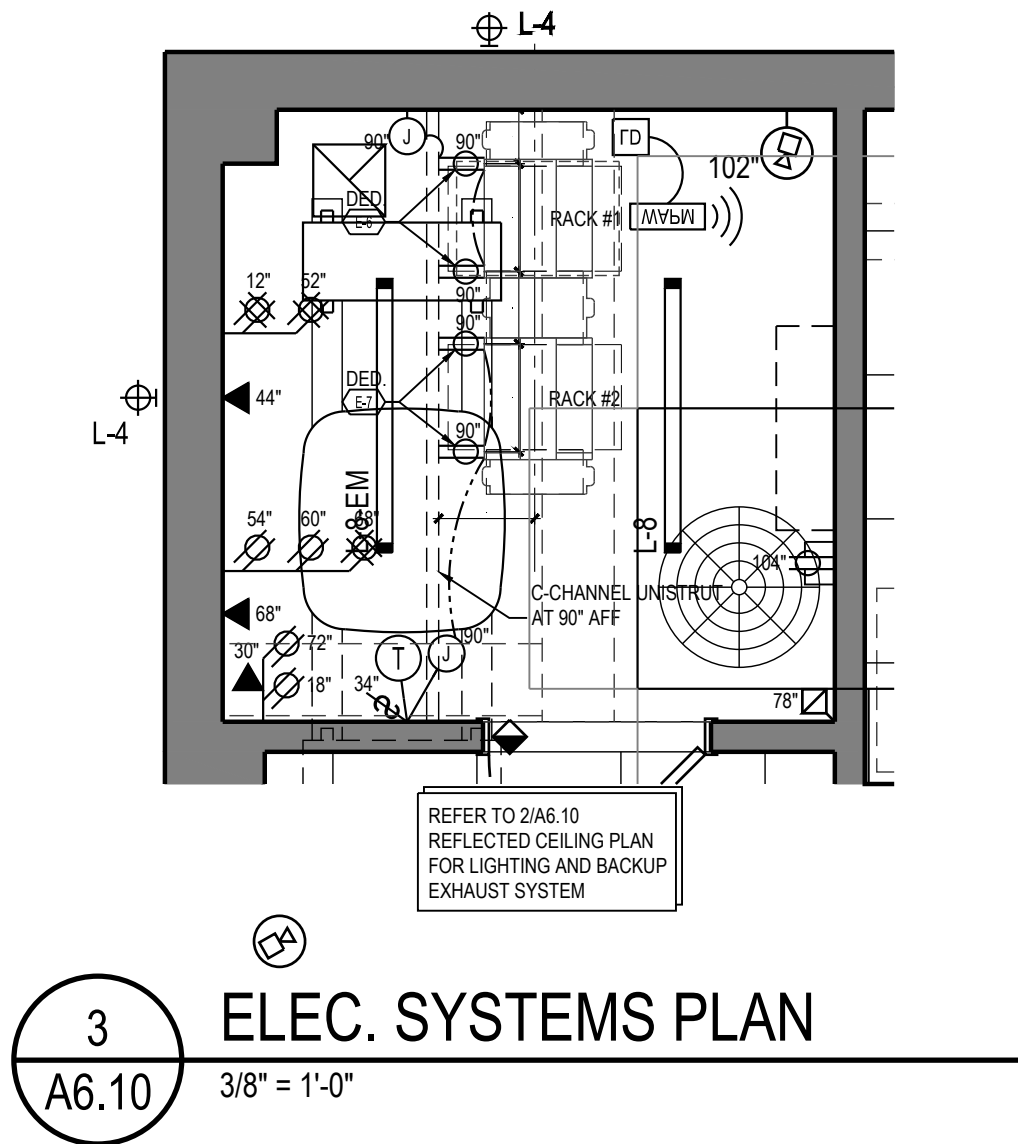
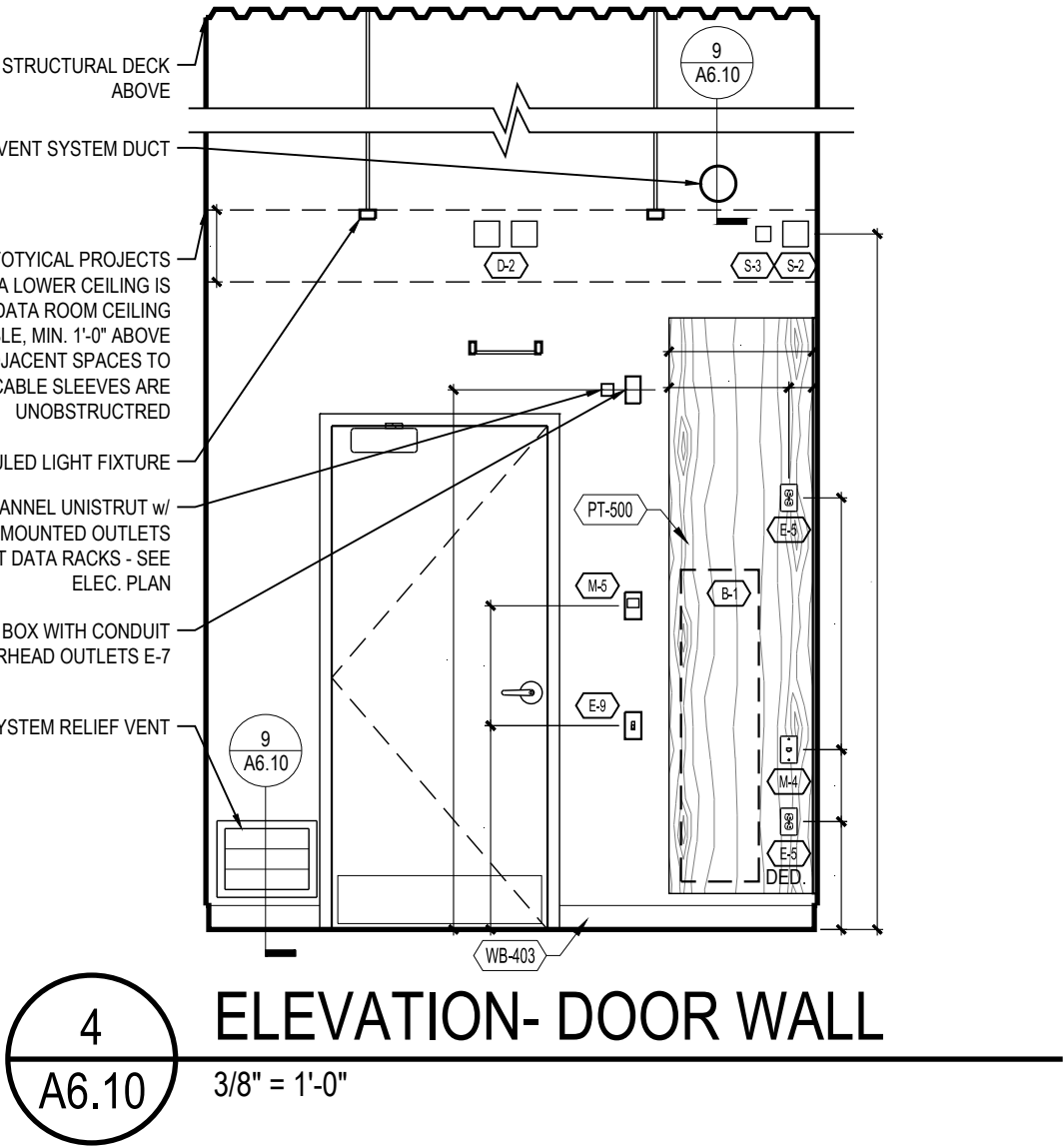
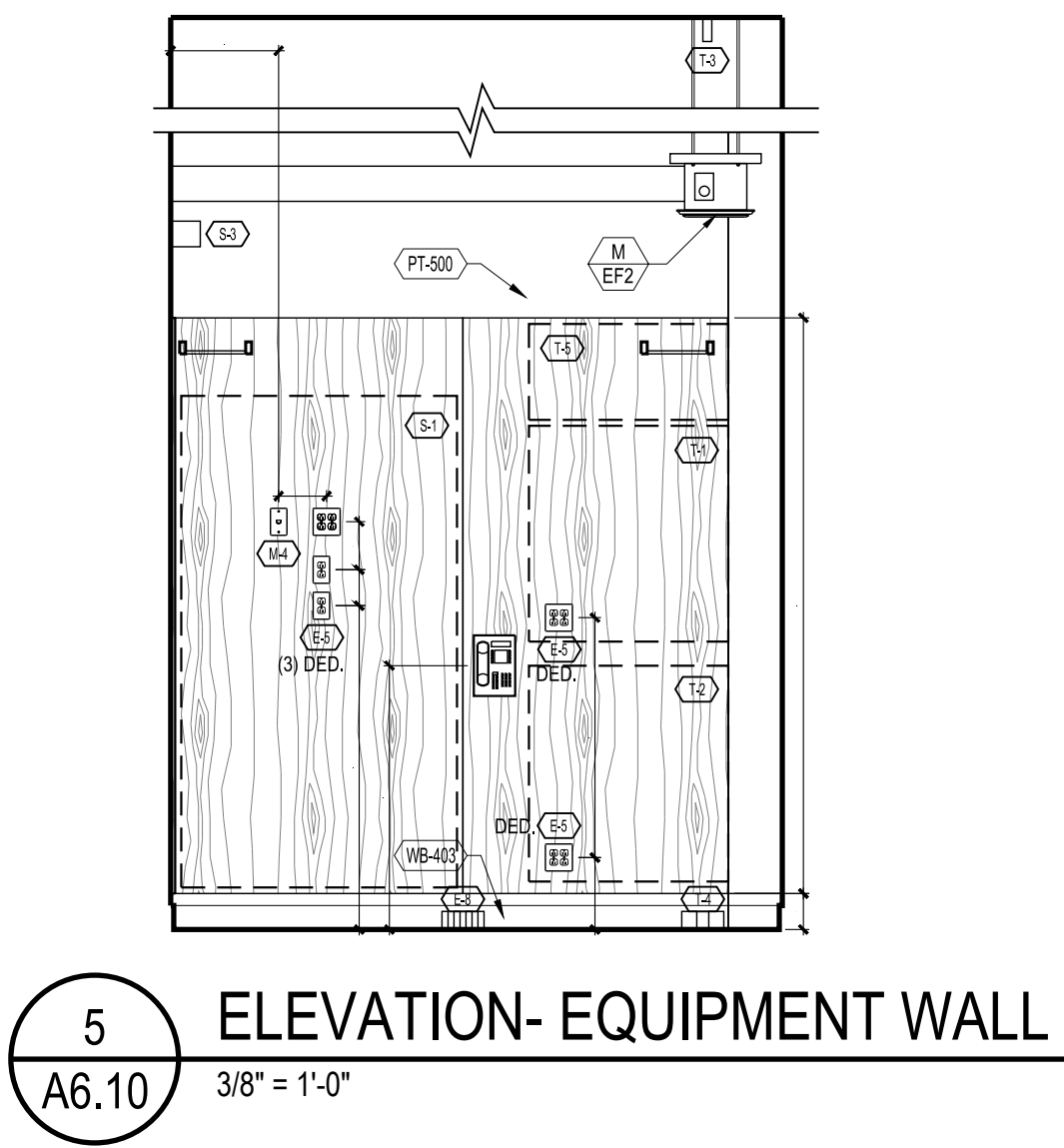
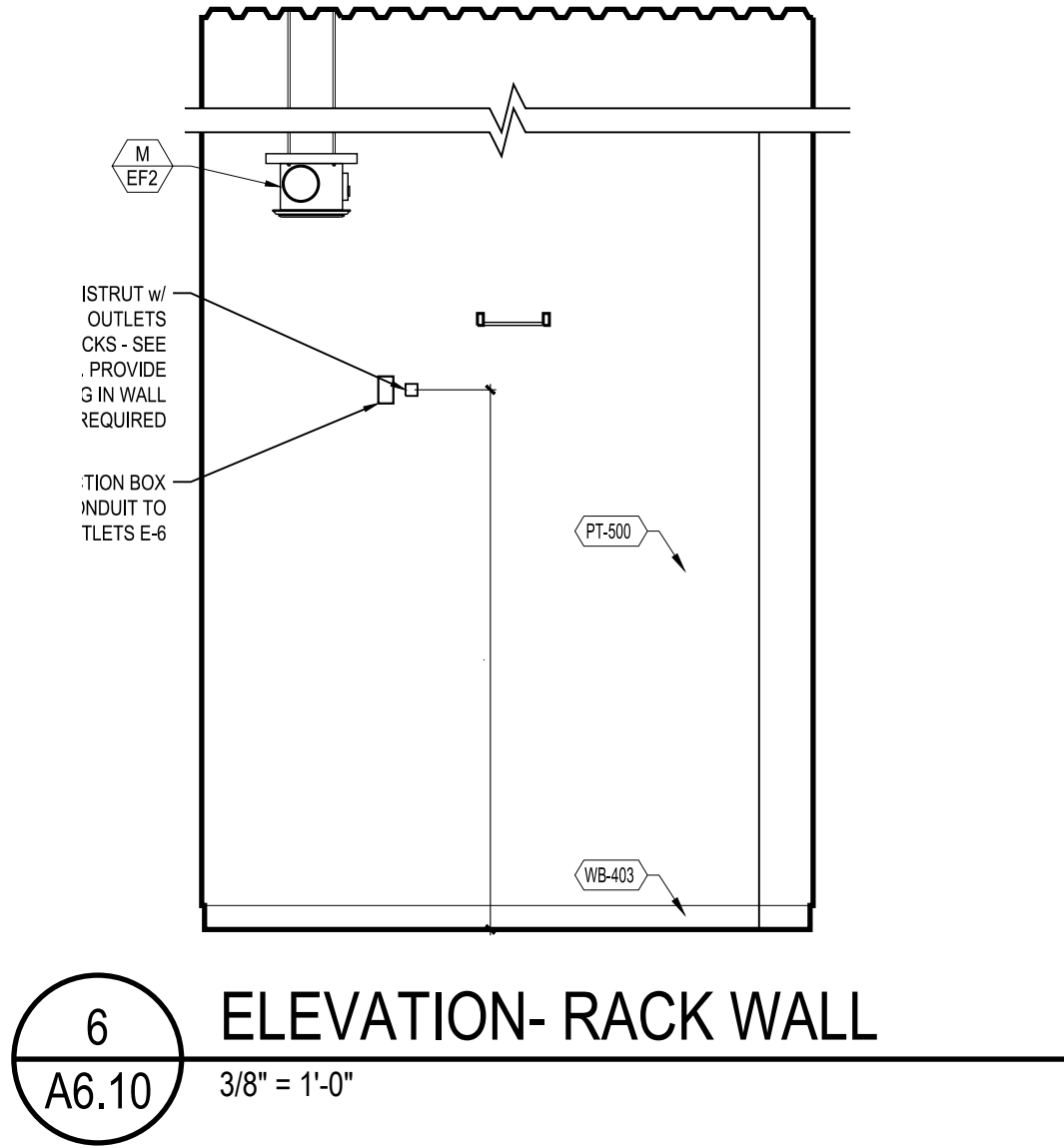
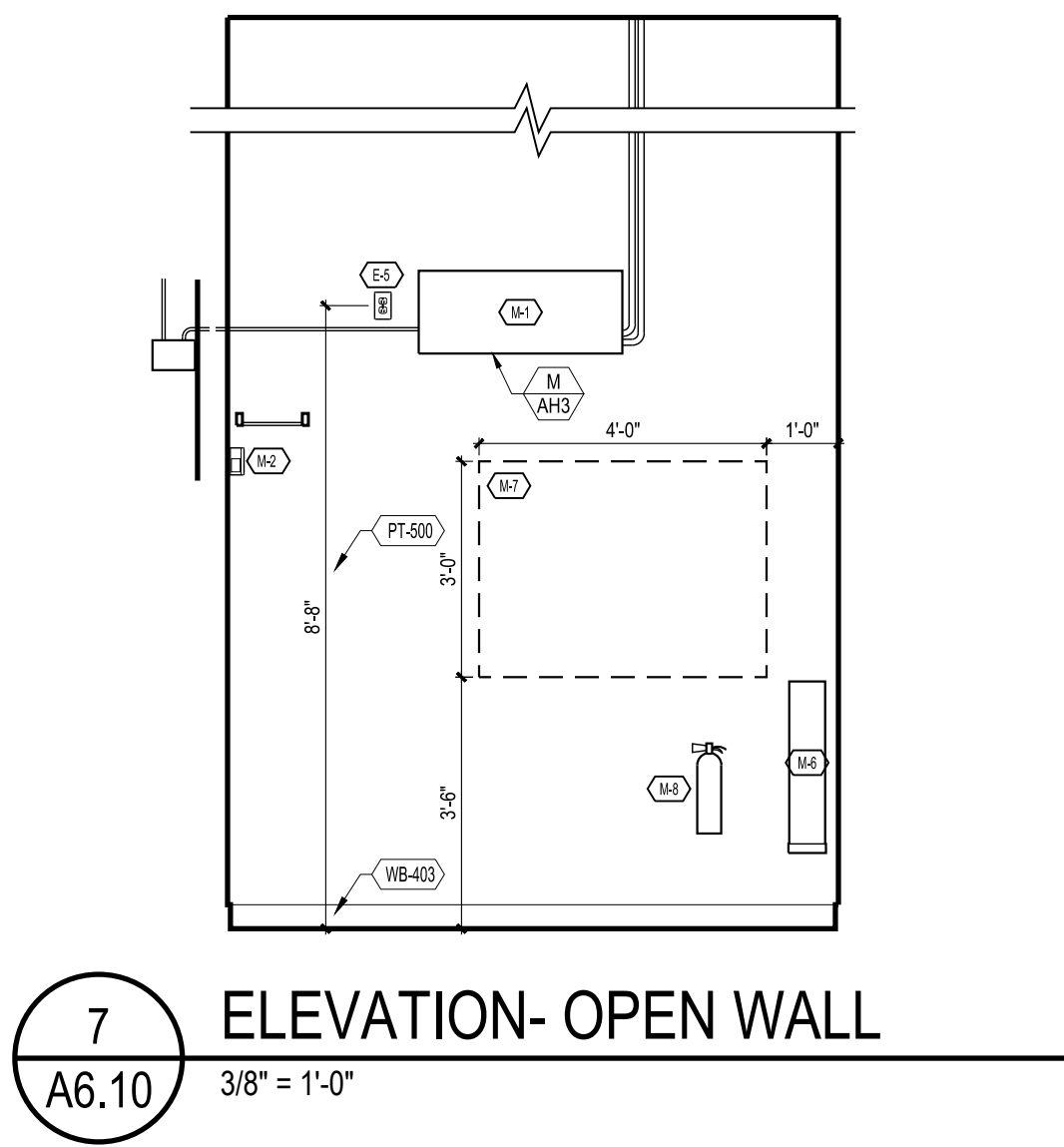
3/8" = 1'-0"



1 FLOOR PLAN  
A6.07 3/8" = 1'-0"



DATA ROOM DIAGRAM KEY	
E-1	ELEC. PANEL: MAIN (NOT IN DATA ROOM)
E-2	ELEC. PANEL: DISTRIBUTION (NOT IN DATA ROOM)
E-3	ELEC. PANEL: DISTRIBUTION (NOT IN DATA ROOM)
E-4	SURGE PROTECTION DEVICE (NOT IN DATA ROOM)
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
E-7	(2) DEDICATED 120V/20A ELEC. OUTLETS - NEMA 5-20R
E-8	IN-FLOOR CONDUIT TERMINATIONS- REFER TO ELECTRICAL DRAWINGS
E-9	MANUAL TOGGLE LIGHT SWITCH
T-1	TELECOM CARRIER #1: 36"W X 36"H
T-2	TELECOM CARRIER #2: 36"W X 36"H
T-3	1" CONDUIT TO ROOF LOCATION FOR FUTURE ANTENNA CABLING.
T-4	(2) 2" CONDUITS FOR TELECOM SERVICE W/ 3-CELL MAXCELL INNERDUCT- COORD. LOCN. W/ UTILITY
T-5	CELLULAR TELECOM CARRIER: 36"W x 16"H
D-1	DATA RACK / CABLE TRAY COMPONENTS
D-2	(2) 4" DATA CABLE SLEEVES PROVIDED AND INSTALLED BY OWNER'S STRUCTURED CABLING CONTRACTOR AFTER WALL FINISH (2 LOCATIONS)
S-1	SECURITY EQUIPMENT: 48"W x 66"H
S-2	2" FIRE-RATED SECURITY CABLE SLEEVE PROVIDED AND INSTALLED BY OWNER'S STRUCTURED CABLING CONTRACTOR AFTER WALL FINISH
S-3	4" FIRE-RATED SECURITY CABLE SLEEVE PROVIDED AND INSTALLED BY OWNER'S STRUCTURED CABLING CONTRACTOR AFTER WALL FINISH
M-1	FAN COIL UNIT WITH REMOTE CONDENSATE PUMP IN ADJACENT ROOM - PROVIDE DEDICATED SYSTEM THAT MEETS ROOM TEMPERATURE AND HUMIDITY REQUIREMENTS IN JPMC RETAIL. STRUCTURED CABLING STANDARDS, APPENDIX B
M-2	SECURITY MOTION SENSOR
M-4	SURFACE-MOUNT DATA NETWORK JACK
M-5	WALL BRACKET FOR REMOTE THERMOSTAT
M-6	DRAWING STORAGE TUBE
M-7	STRUCTURED CABLING FLOOR PLAN: 48"W X 36"H
M-8	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" AFF
B-1	BMS EQUIPMENT: 15"W X 54"H



STANDARD - 2-RACK

PRYOR ROAD &  
LOWENSTEIN DRIVE  
908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

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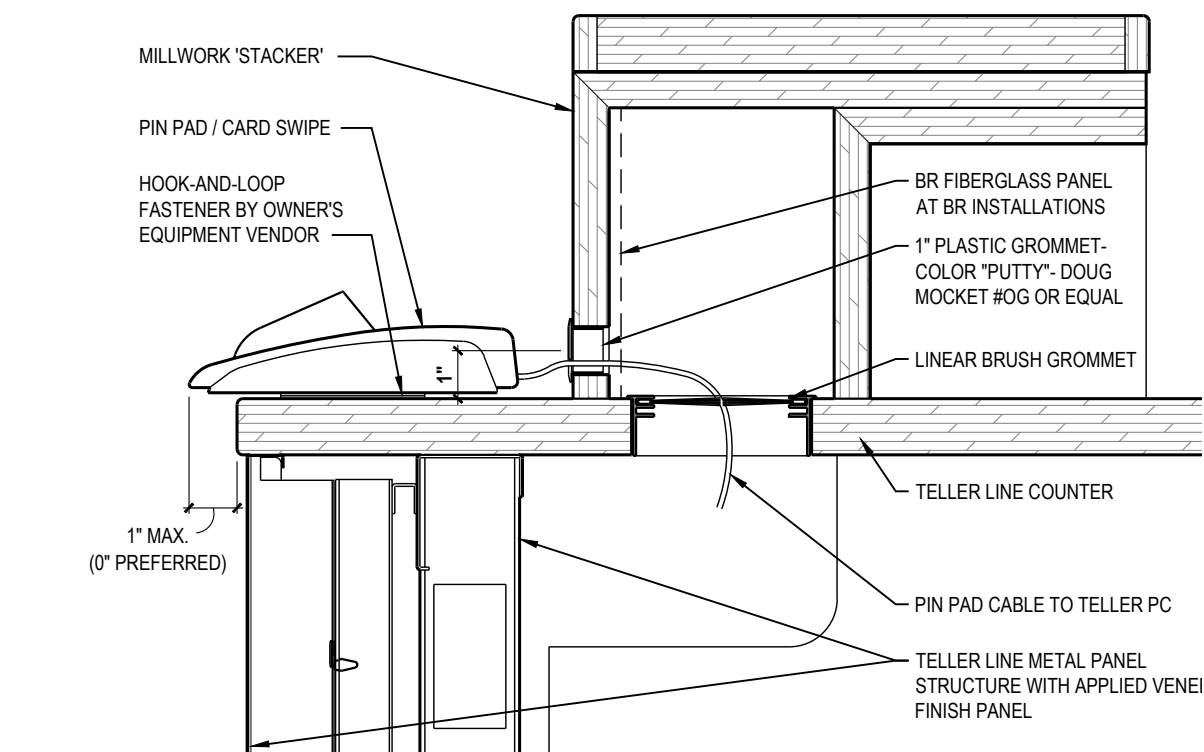
CONTENTS

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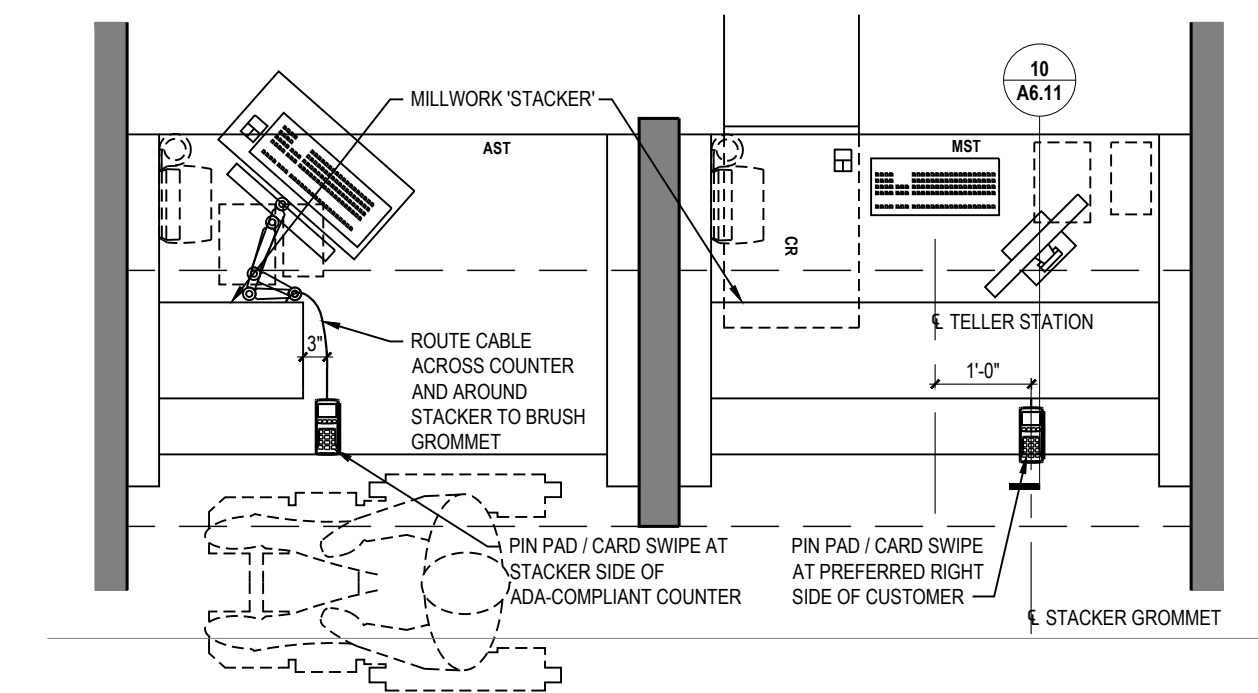
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SHEET

A6.10

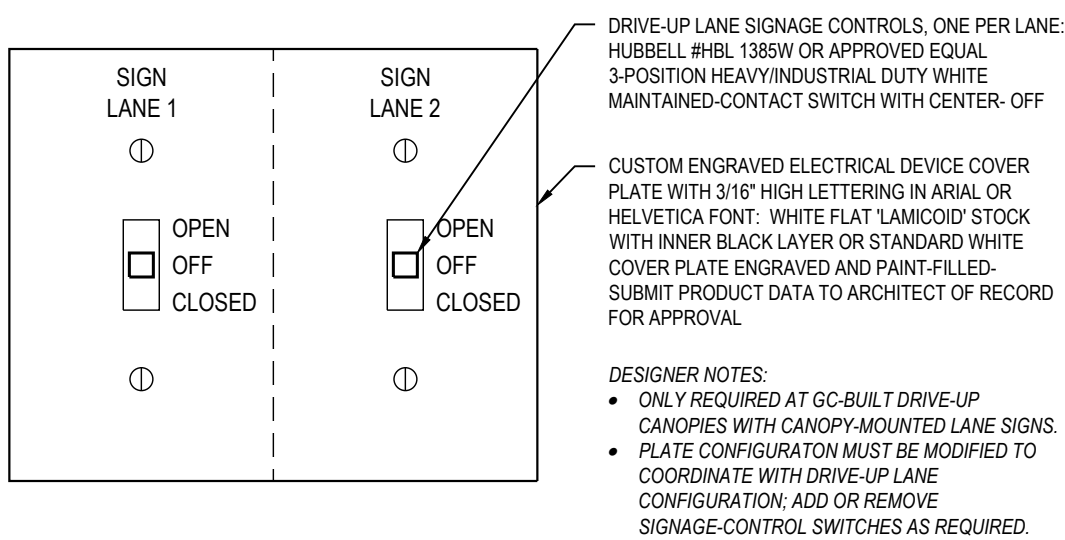




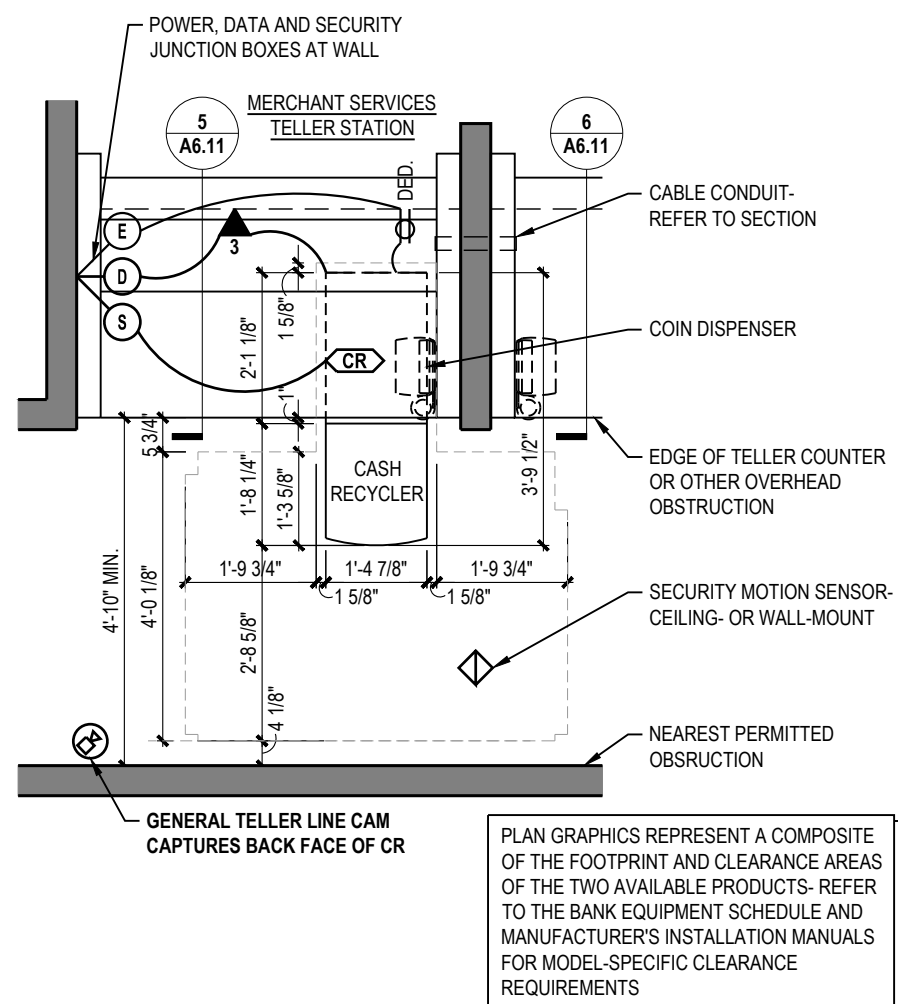
10  
A6.11  
PIN PAD / CARD SWIPE MOUNTING  
3" = 1'-0"



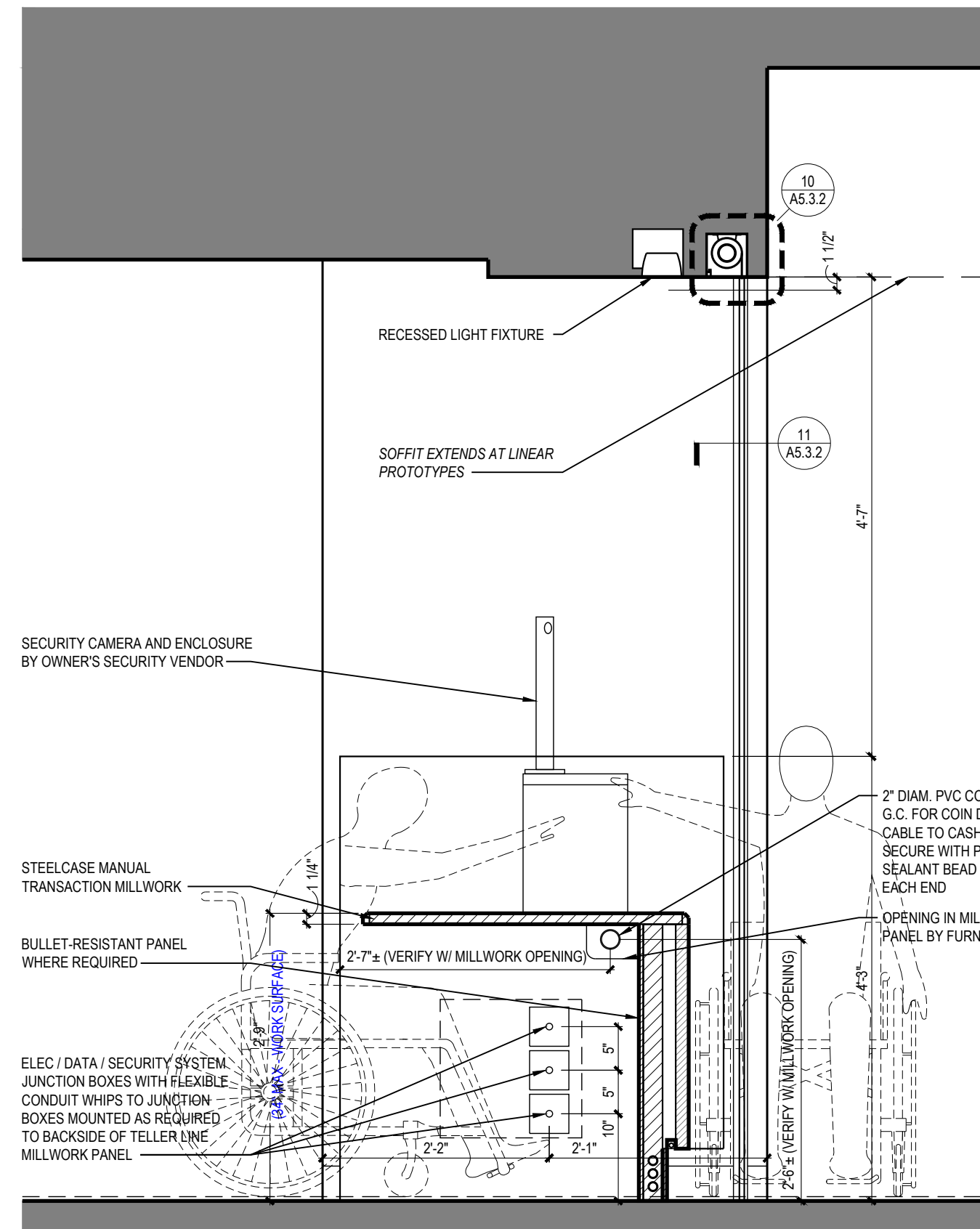
9  
A6.11  
PIN PAD / CARD SWIPE POSITION  
1/2" = 1'-0"



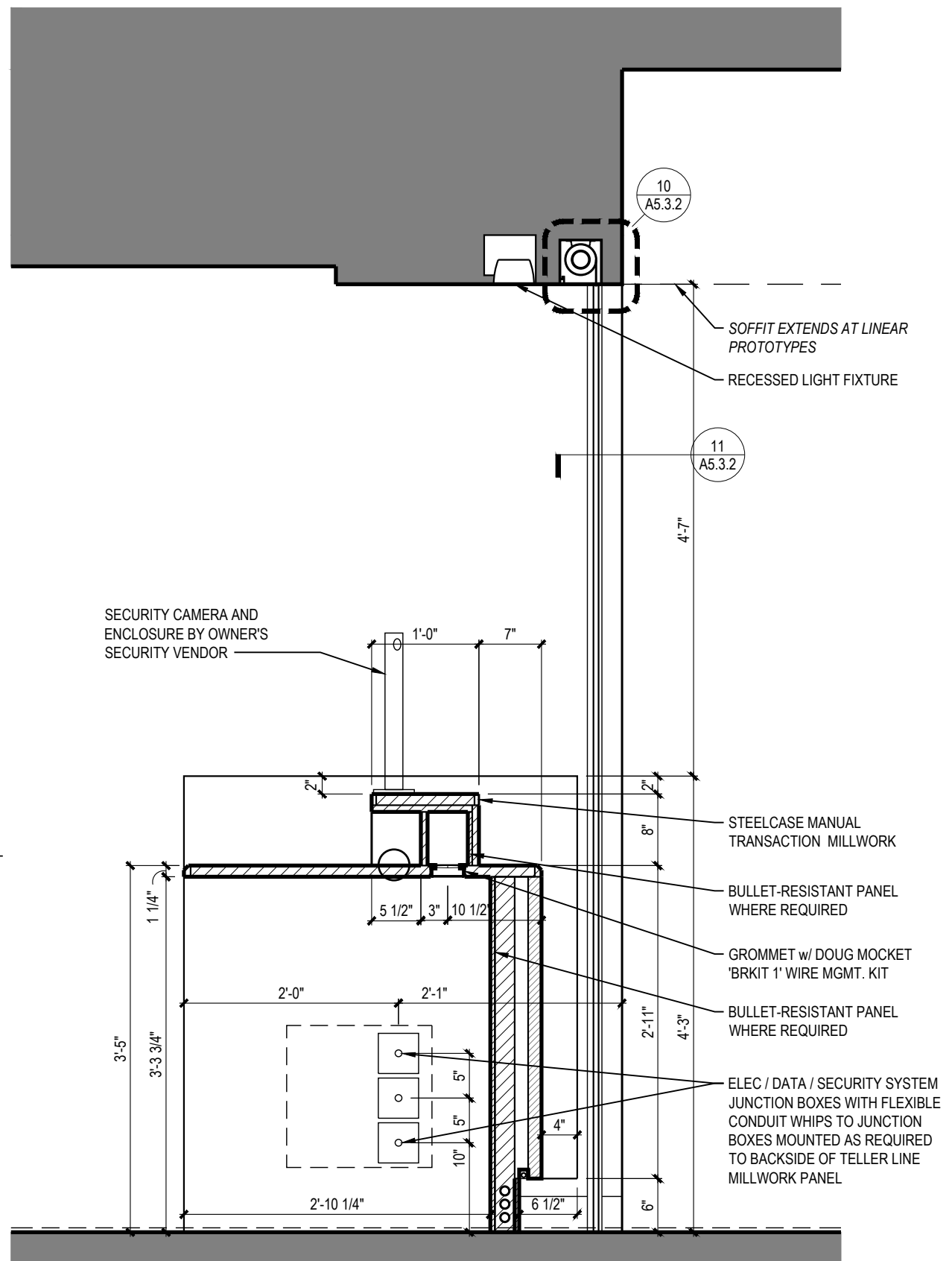
8  
A6.11  
DRIVE-UP CANOPY  
LIGHTING AND SIGN CONTROLS  
N.T.S.



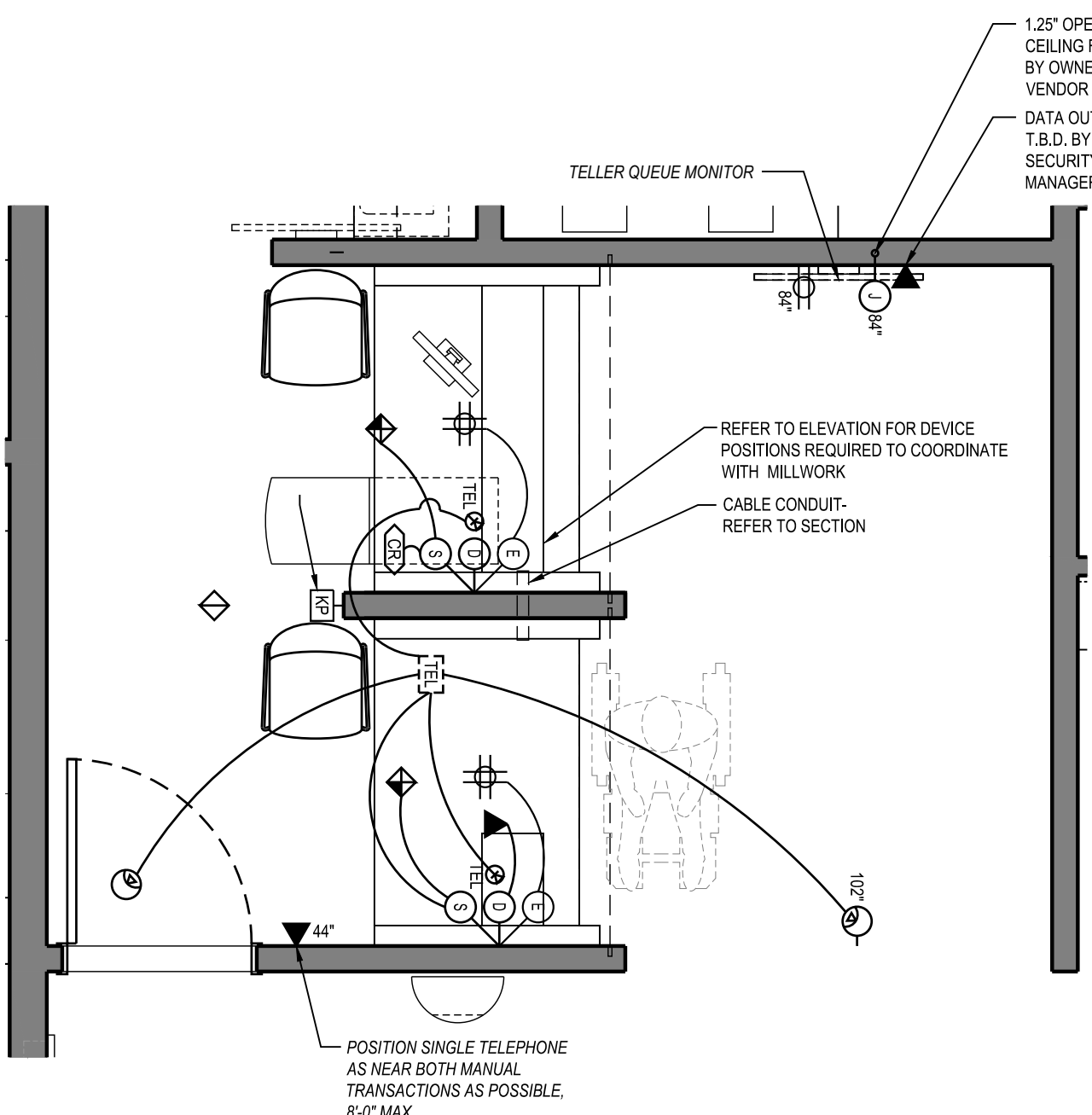
7  
A6.11  
CASH RECYCLER-  
CLEARANCES AND CONNECTIONS  
3/8" = 1'-0"



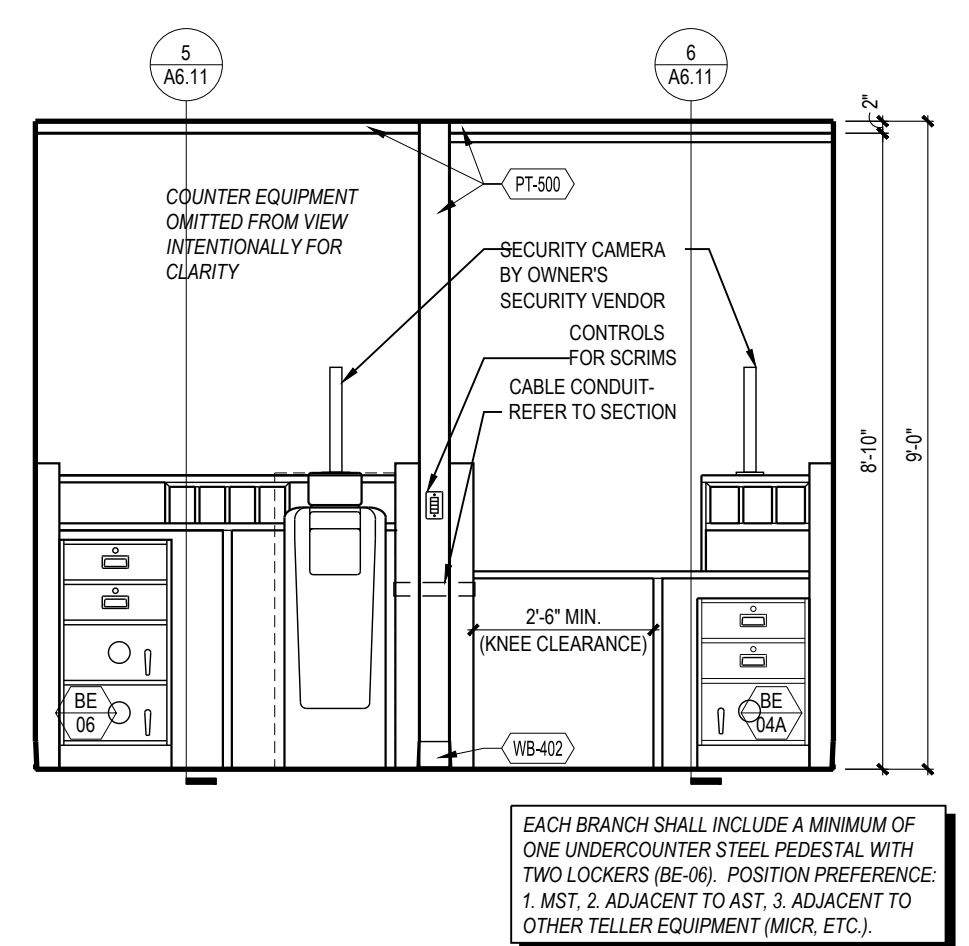
6  
A6.11  
SECTION AT AST  
3/4" = 1'-0"



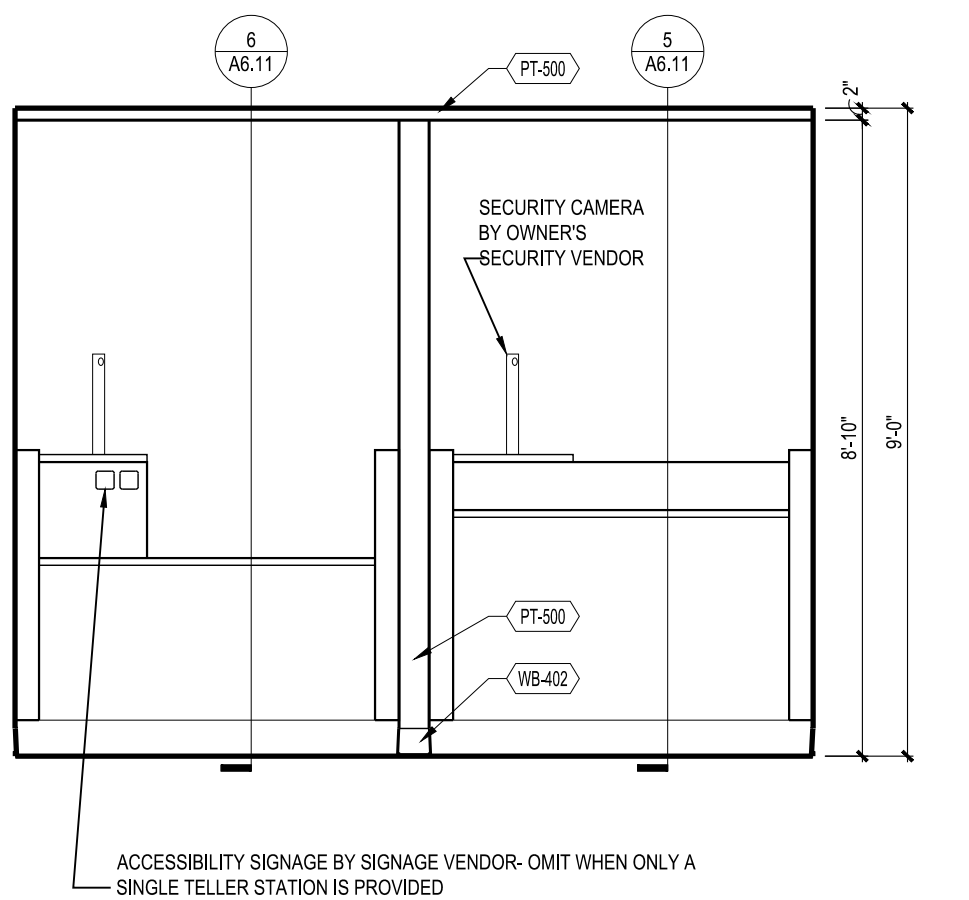
5  
A6.11  
SECTION AT MST  
3/4" = 1'-0"



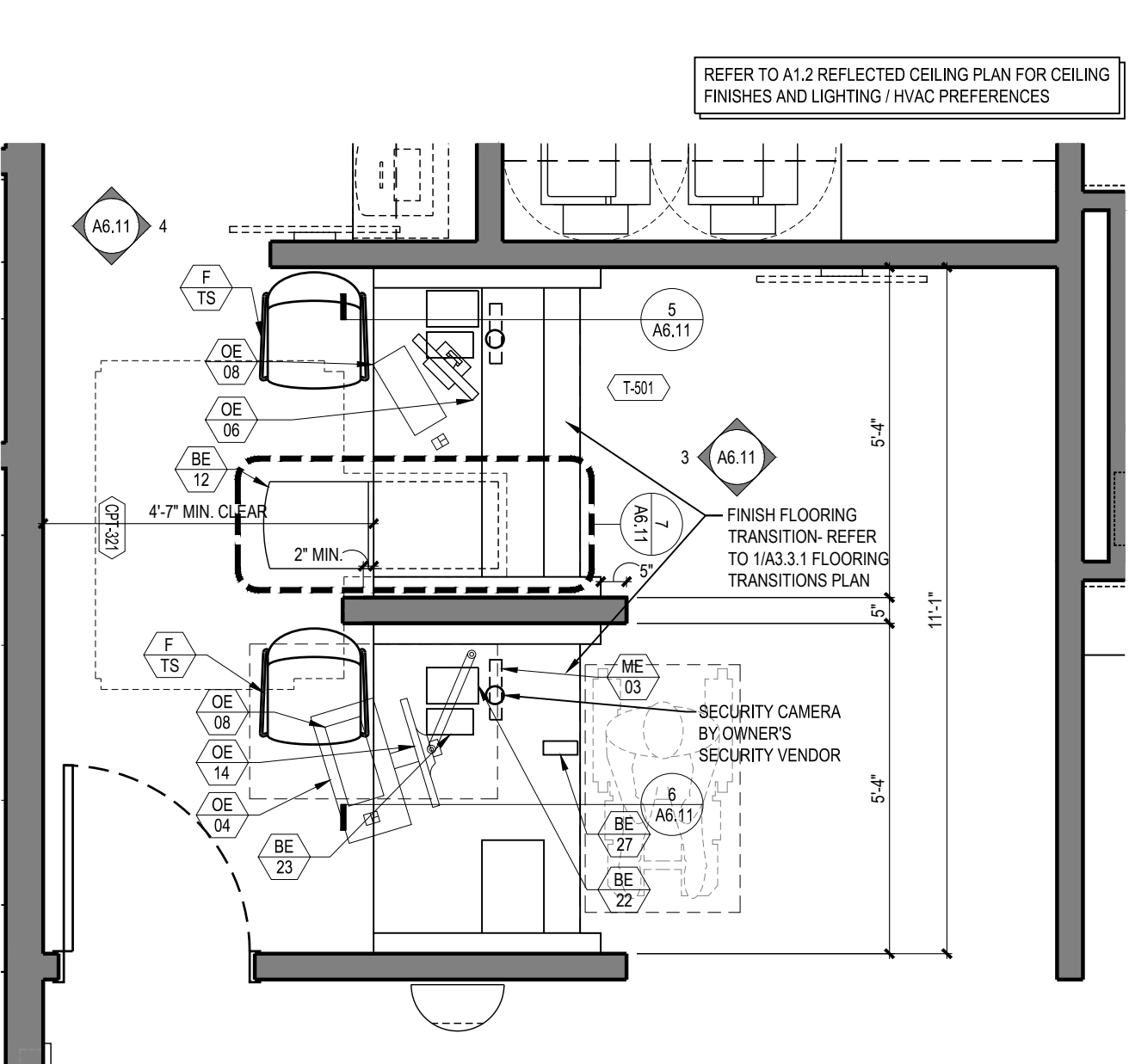
2  
A6.11  
MANUAL TRANSACTIONS  
ELEC. SYSTEMS PLAN  
3/8" = 1'-0"



4  
A6.11  
MANUAL TRANSACTIONS  
TELLER SIDE ELEV.  
3/8" = 1'-0"



3  
A6.11  
MANUAL TRANSACTIONS  
CUSTOMER SIDE ELEV.  
3/8" = 1'-0"



1  
A6.11  
MANUAL TRANSACTIONS  
FLOOR PLAN  
3/8" = 1'-0"

PREPARED BY:  
**EBI Consulting**  
ENVIRO BUSINESS, INC.  
21 B Street | Burlington, MA 01803  
Tel: (781) 273-2500 | www.ebiconsulting.com

SIGNED BY:  
  
6/1/2022

**PRYOR ROAD &  
LOWENSTEIN DRIVE**  
908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090		
ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS

**CHASE**

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

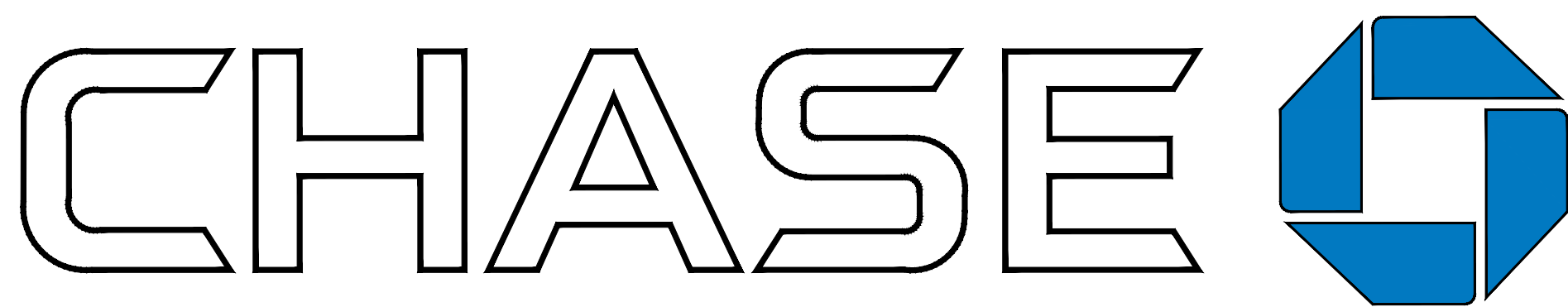
CONTENTS  
MANUAL TRANSACTIONS

02/04/2022  
SHEET

A6.11



SITE DEVELOPMENT PLANS



900 NW PRYOR ROAD, LEE'S SUMMIT, MO 64081

SHEET INDEX

EBI CONSULTING DRAWINGS	
SHEET NO.	SHEET TITLE
C-1	TITLE SHEET
C-2	GENERAL NOTES & LEGEND SHEET
C-3	SITE PLAN
C-4	GRADING PLAN
C-5	UTILITY & DRAINAGE PLAN
C-6	DETAIL SHEET

SUBMISSION INFO

ISSUED FOR: LOCAL APPROVALS  
DATE ISSUED: MARCH 11, 2022  
LATEST ISSUE: MARCH 11, 2022



LOCUS MAP

SCALE: 1"=100'

PROPERTY / PARCEL INFORMATION

APPLICANT	ASSESSOR'S INFORMATION
EBI CONSULTING 21 B. STREET BURLINGTON, MA 01803 TEL: (781) 273 - 2500	PARCEL # 51-800-04-28-00-0-00-0000

PROJECT TEAM

ARCHITECT	LANDSCAPE ARCHITECT
EBI CONSULTING 21 B. STREET BURLINGTON, MA 01803 TEL: (781) 273 - 2500	JAY MILLER, RLA 2095 VT ROUTE 18 WATERFORD, VT 05819 TEL: (802) 535 - 8586
ENGINEER OF RECORD	
EBI CONSULTING 21 B. STREET BURLINGTON, MA 01803 TEL: (781) 273 - 2500	

REFERENCE PLAN

LANDLORDS PLANS  
PLAN ENTITLE "STREETS OF WEST PRYOR LOT #9" PREPARED BY: SM ENGINEERING,  
SCALE: 1"=20', DATED: 1/17/22



PREPARED BY:

PREPARED BY:

EBI Consulting

environmental | engineering | design

21 B Street | Burlington, MA 01803

Tel: 781.273.2500 | Fax: 781.273.3311

www.ebiconsulting.com

STATE OF MISSOURI

ANTHONY E. FARMAND

Professional Engineer

NUMBER PE-2012000032

11 March 2022

Expiration 31 Dec 2022

PRELIMINARY

NO.	REVISIONS	DESCRIPTION	DATE	INIT

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PROJECT TITLE

SITE DEVELOPMENT PLANS

SHEET TITLE

TITLE SHEET

SCALE

AS SHOWN

PROJECT #

4121000090

SITE ADDRESS

900 NW PRYOR RD

LEE'S SUMMIT, MO 64081

C-1

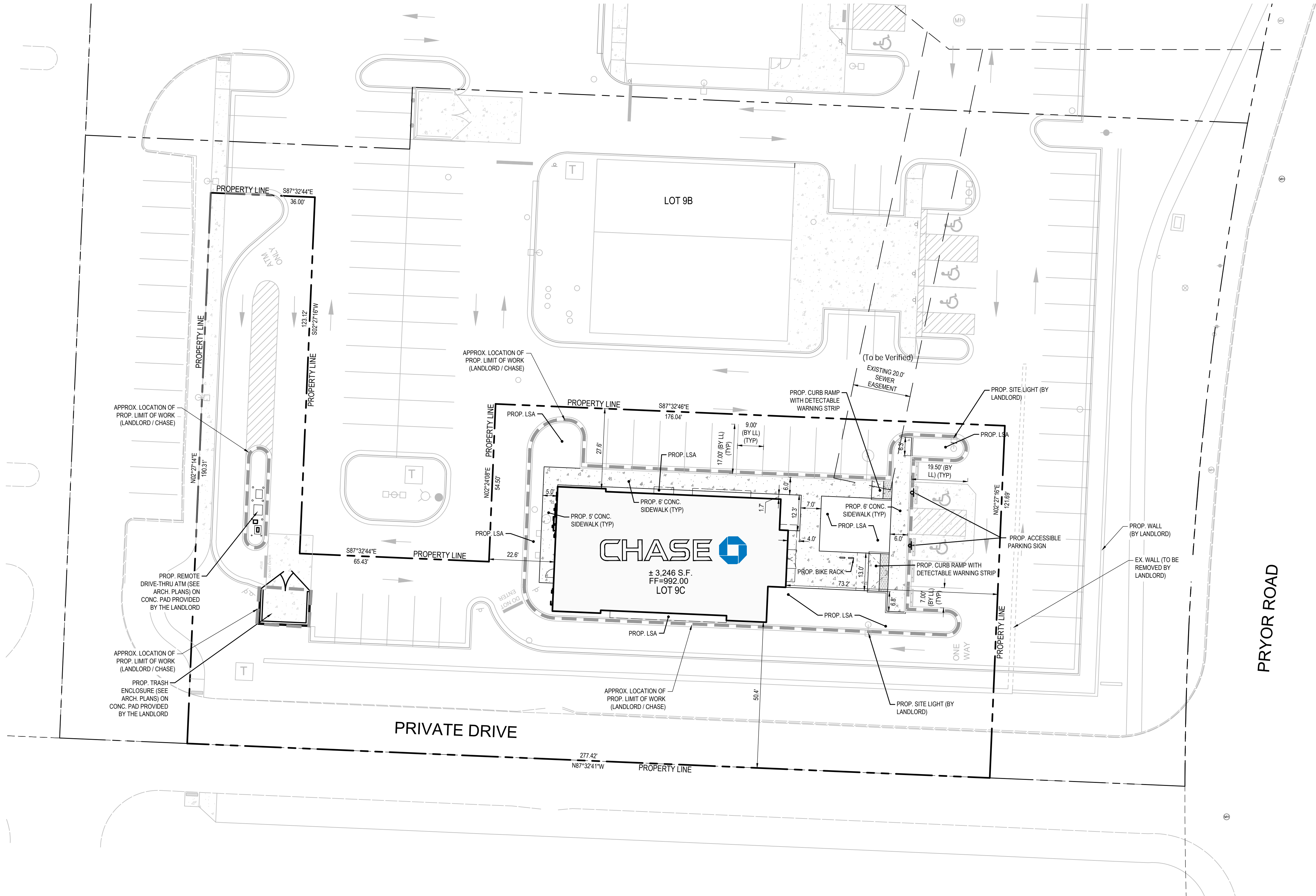
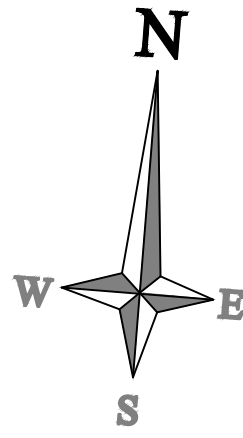
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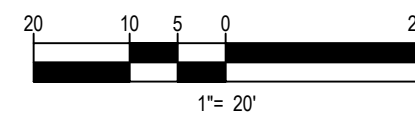
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ALL WORK BEYOND THE LIMITS OF WORK  
SHOWN ARE TO BE DESIGNED AND  
CONSTRUCTED BY THE LANDLORD

REFER TO GENERAL NOTES & LEGEND  
SHEET FOR NOTES & SPECIFICATIONS

THIS PLAN TO BE UTILIZED FOR SITE  
LAYOUT PURPOSES ONLY



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environmental | engineering | design  
21 B Street | Burlington, MA 01803  
Tel: 781.273.2500 | Fax: 781.273.3311  
www.ebiconsulting.com

STATE OF MISSOURI  
ANTHONY E. FARMAND  
PE-2012000032  
PROFESSIONAL ENGINEER  
11 March 2022  
Expiration 31 Dec 2022

PRELIMINARY

REVISIONS		NO.	DESCRIPTION	DATE	INIT.

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PROJECT TITLE: SITE DEVELOPMENT PLANS  
SHEET TITLE: SITE PLAN  
SITE ADDRESS: 900 NW PRYOR RD  
LEE'S SUMMIT, MO 64081  
DRAWN BY: EO  
REVIEWED BY: KS  
ISSUE DATE: 03/08/2022  
SCALE: AS SHOWN  
PROJECT #: 4121000090

C-3  
SHEET NO.



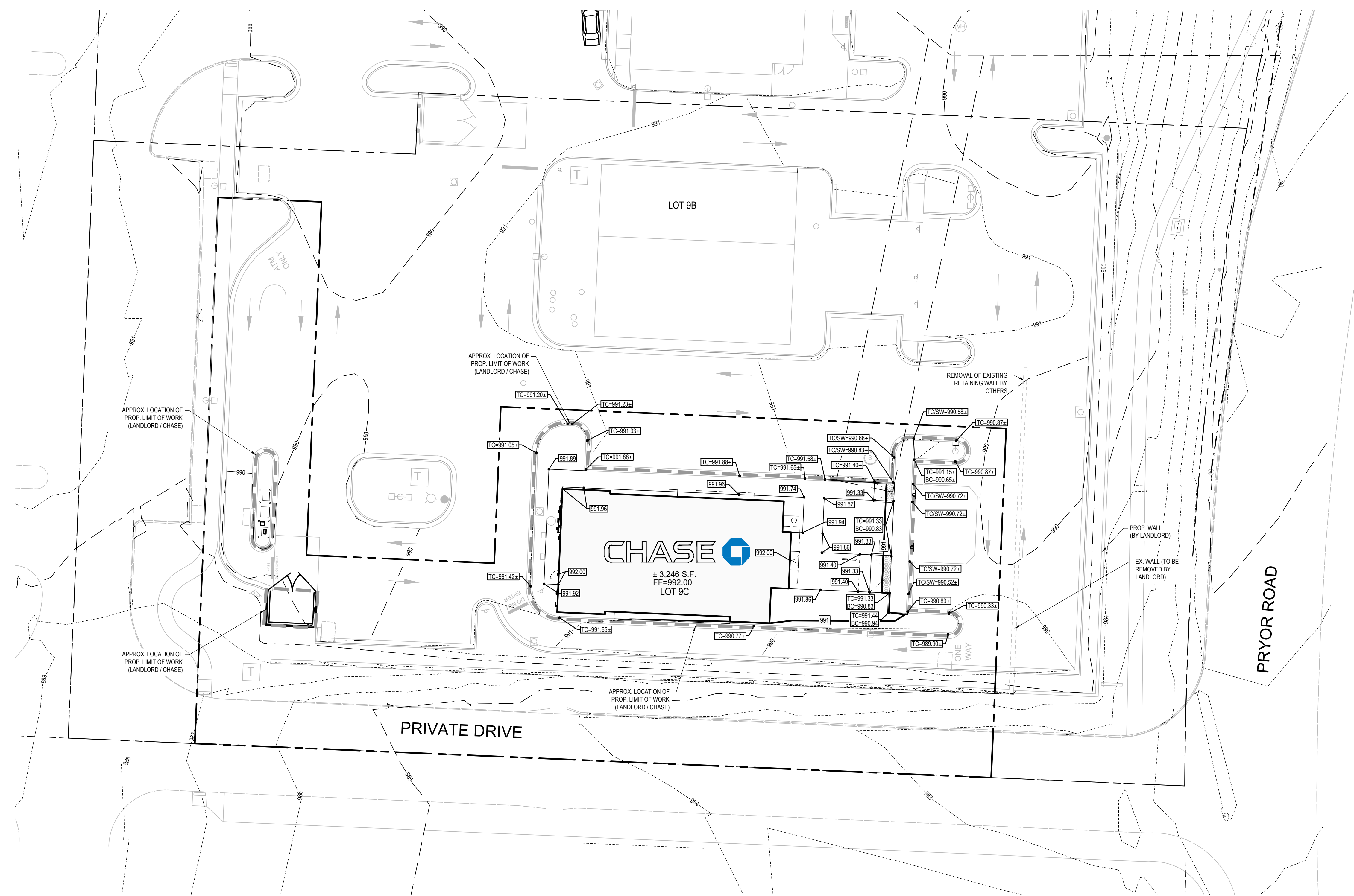
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PREPARED FOR

**CHASE**

PROJECT TITLE:	SITE DEVELOPMENT PLANS	
GRADING PLAN		
SHEET TITLE:		
DRAWN BY:	EO	SCALE: AS SHOWN
REVIEWED BY:	KS	PROJECT #:
ISSUE DATE:	03/08/2022	4121000090
SITE ADDRESS: 900 NW PRYOR RD LEE'S SUMMIT, MO 64081		

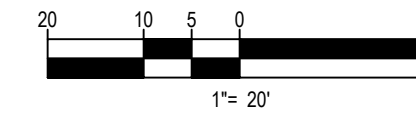
C-4



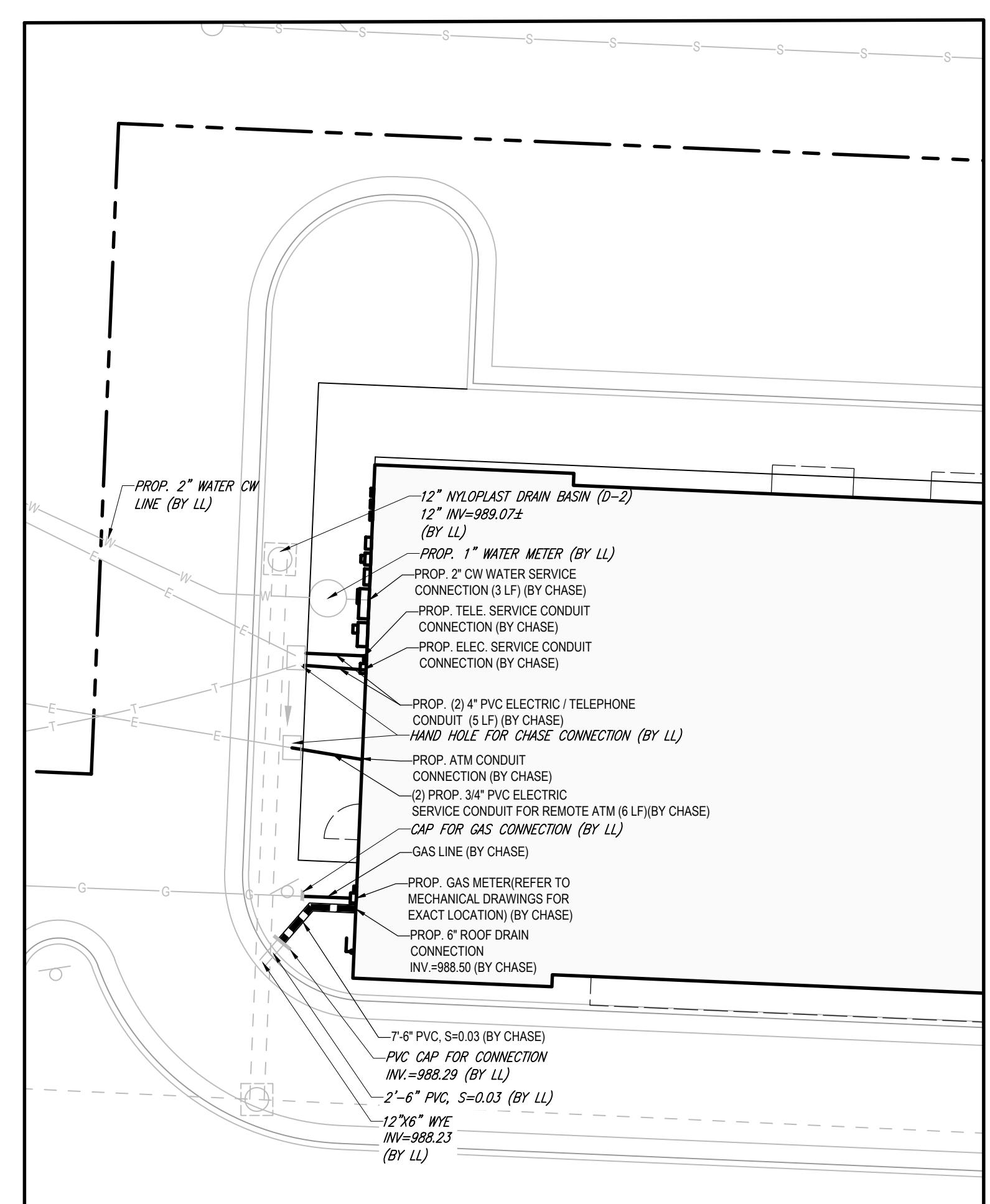
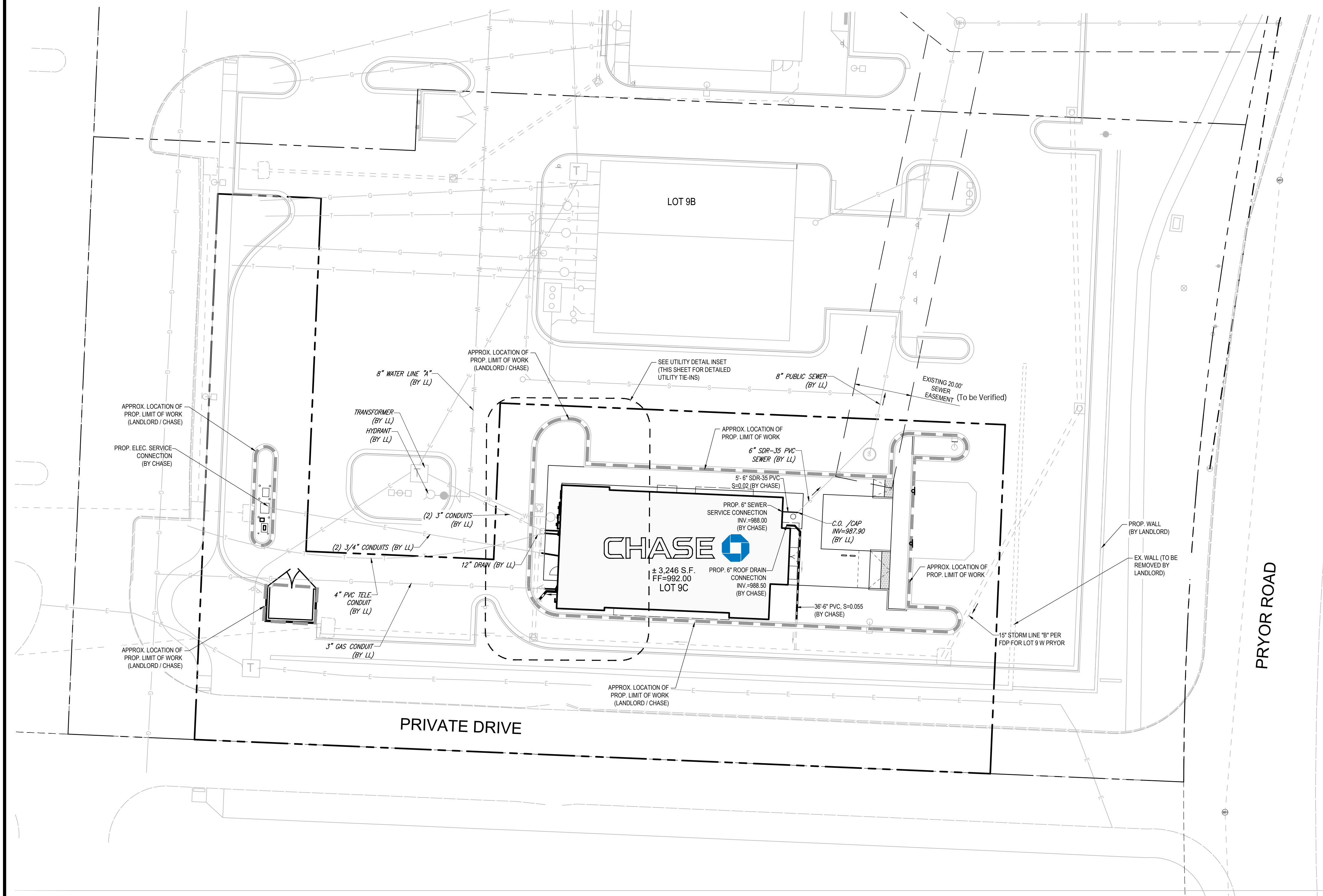
## BENCHMARKS:

#1 CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF  
WEST PARK PARKING LOT AT EAST  
DRIVE ENTRANCE  
ELEVATION 985.05

#2 CHISELED "SQUARE" ON NORTHWEST CORNER AREA INLET, 25' EAST OF CURB LINE AND ON-LINE WITH SOUTH CURB OF LOWENSTEIN DRIVE AT 90° BEND IN ROAD  
ELEVATION 971.06







UTILITY DETAIL INSET  
SCALE: 1"=10'

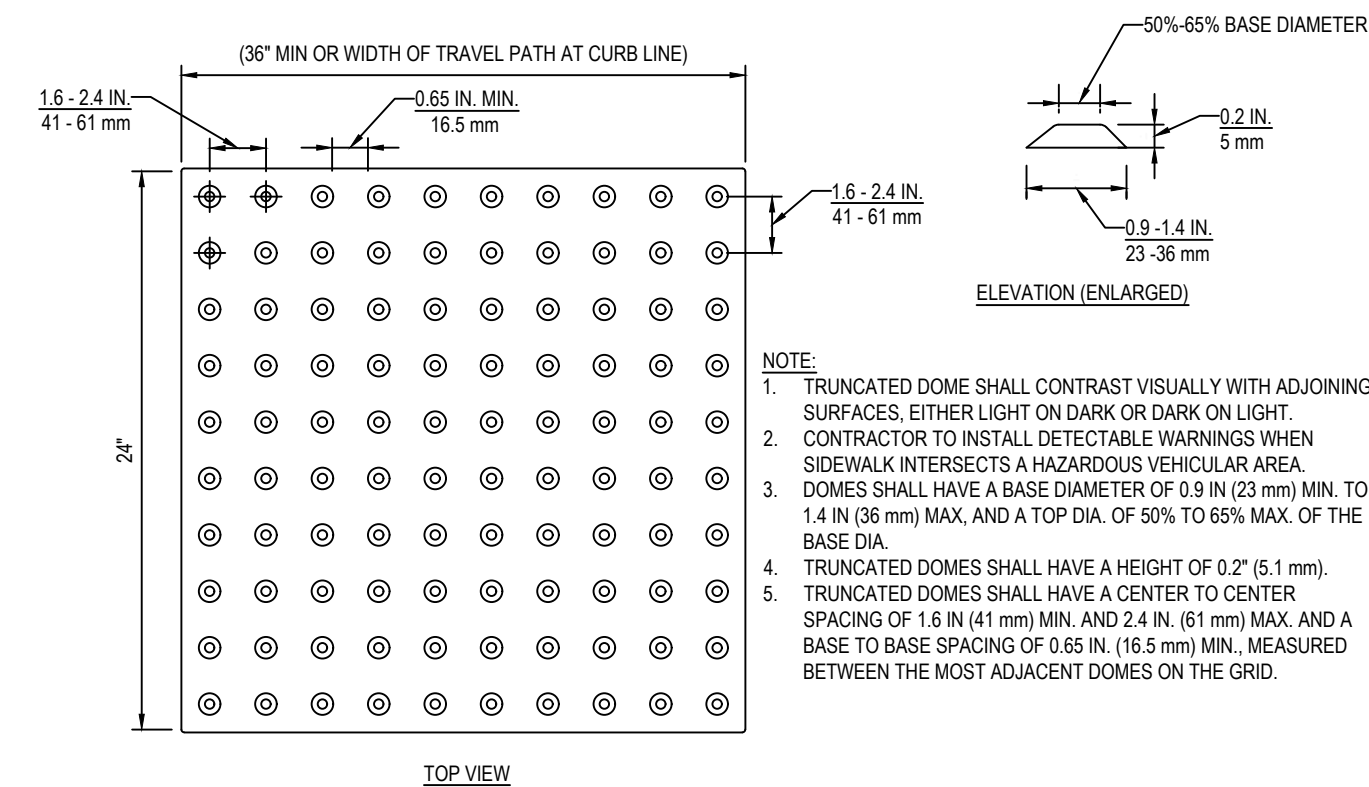
ALL WORK BEYOND THE LIMITS OF WORK  
SHOWN ARE TO BE DESIGNED AND  
CONSTRUCTED BY THE LANDLORD

THIS PLAN TO BE UTILIZED FOR UTILITIES PURPOSES ONLY

REFER TO GENERAL NOTES &  
LEGEND SHEET  
FOR DRAINAGE & UTILITY NOTES



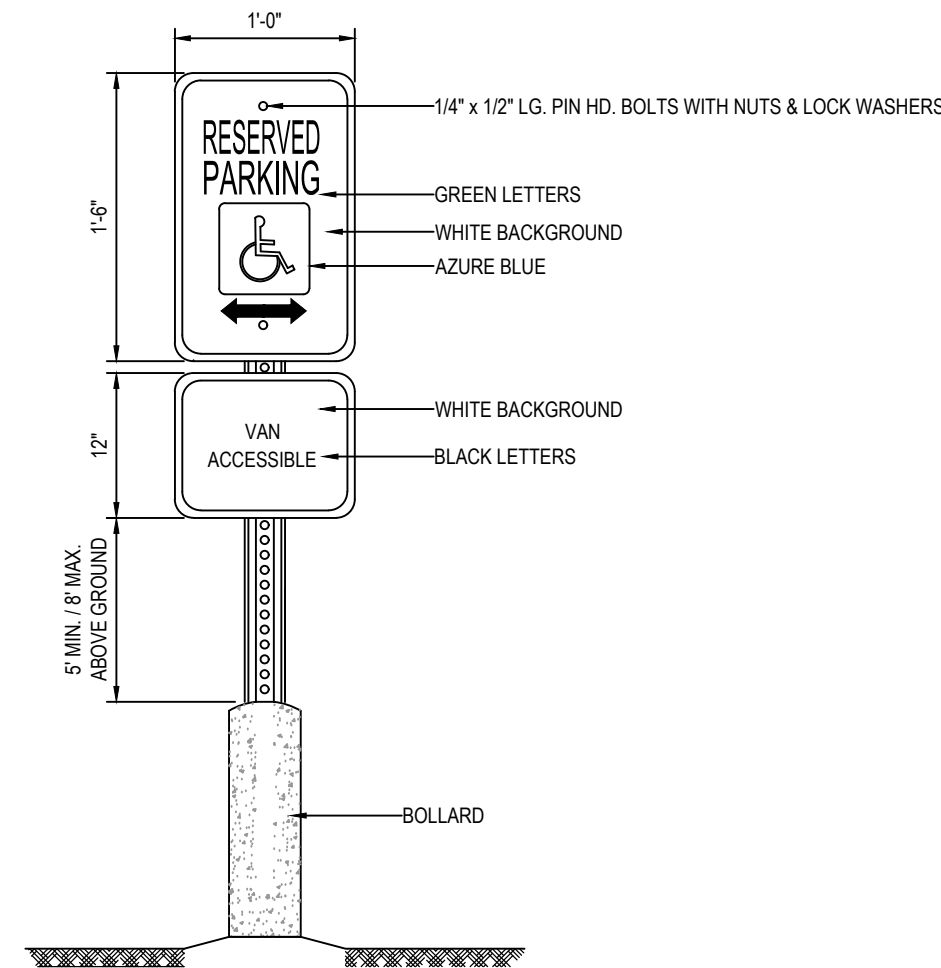




NOTE TO DESIGNER:  
IF A WALK CROSSES OR ADJOINS A VEHICULAR WAY WHERE THE WALKING SURFACE AND PAVEMENT ARE NOT SEPARATED BY CURBS, RAILING OR OTHER ELEMENTS, THE BOUNDARY BETWEEN THE AREA SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS MIN. 36" WIDE (ADA ACCESSIBLE GUIDELINES PRINTED 11-4-06) AND MIN. 24" DEPTH.

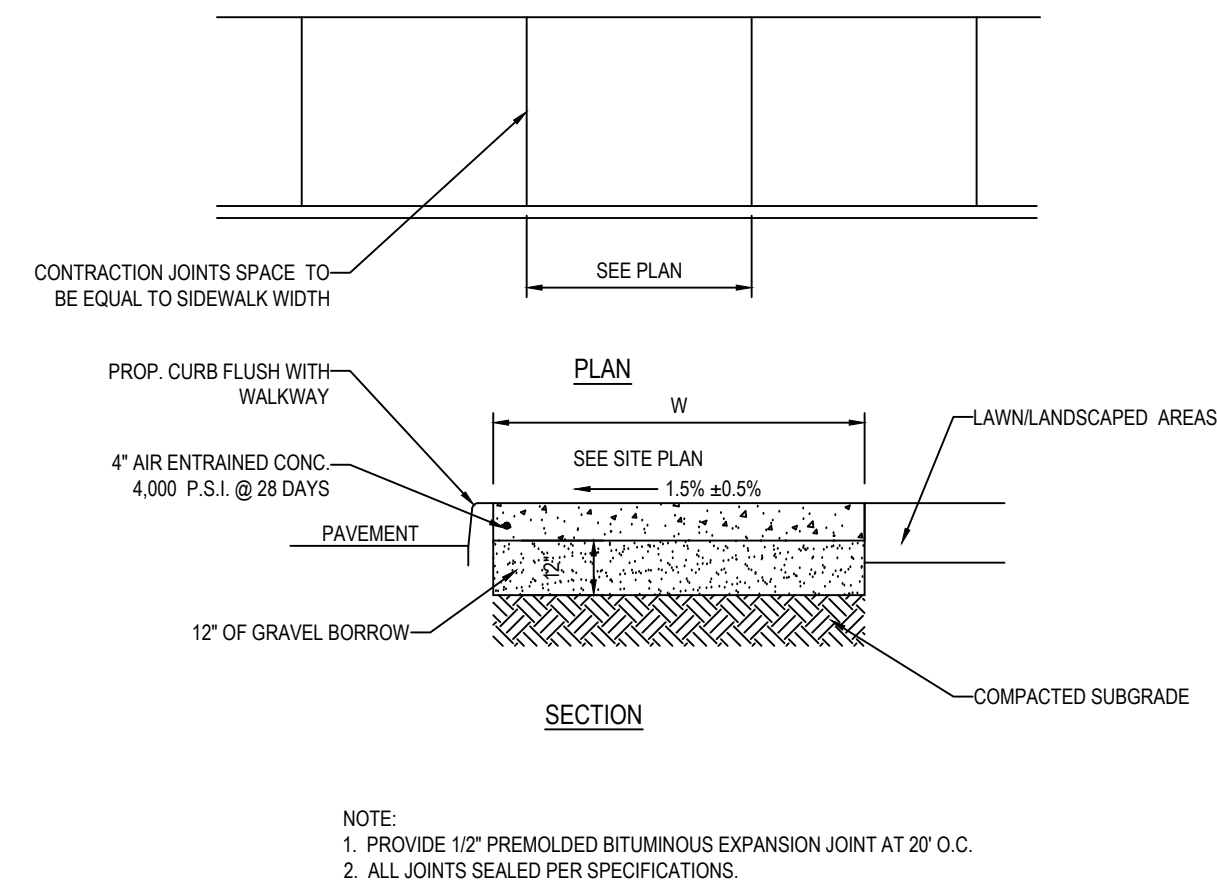
### TRUNCATED DOME PATTERN

N.T.S.



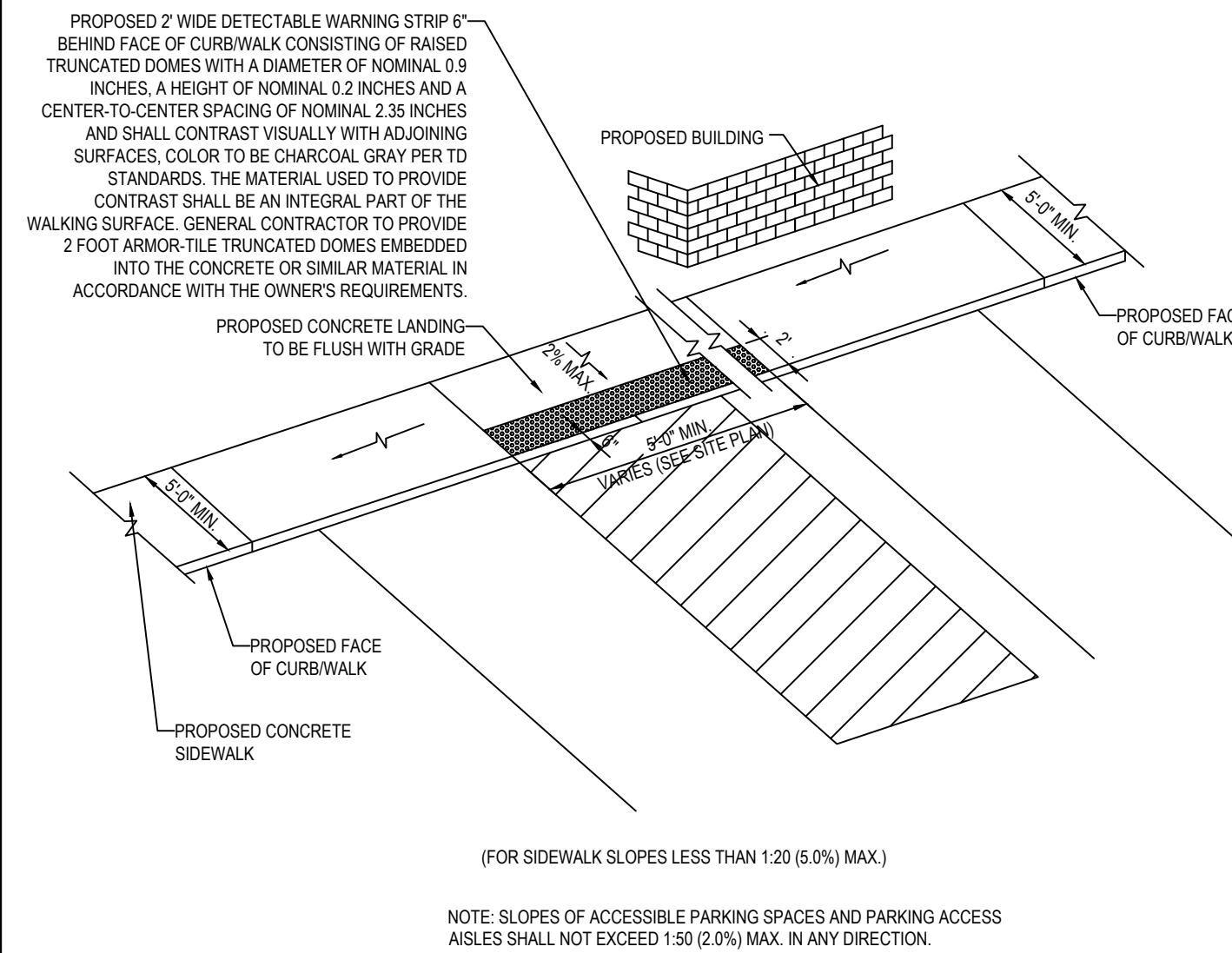
## ACCESSIBLE PARKING SIGN DETAIL

N.T.S.



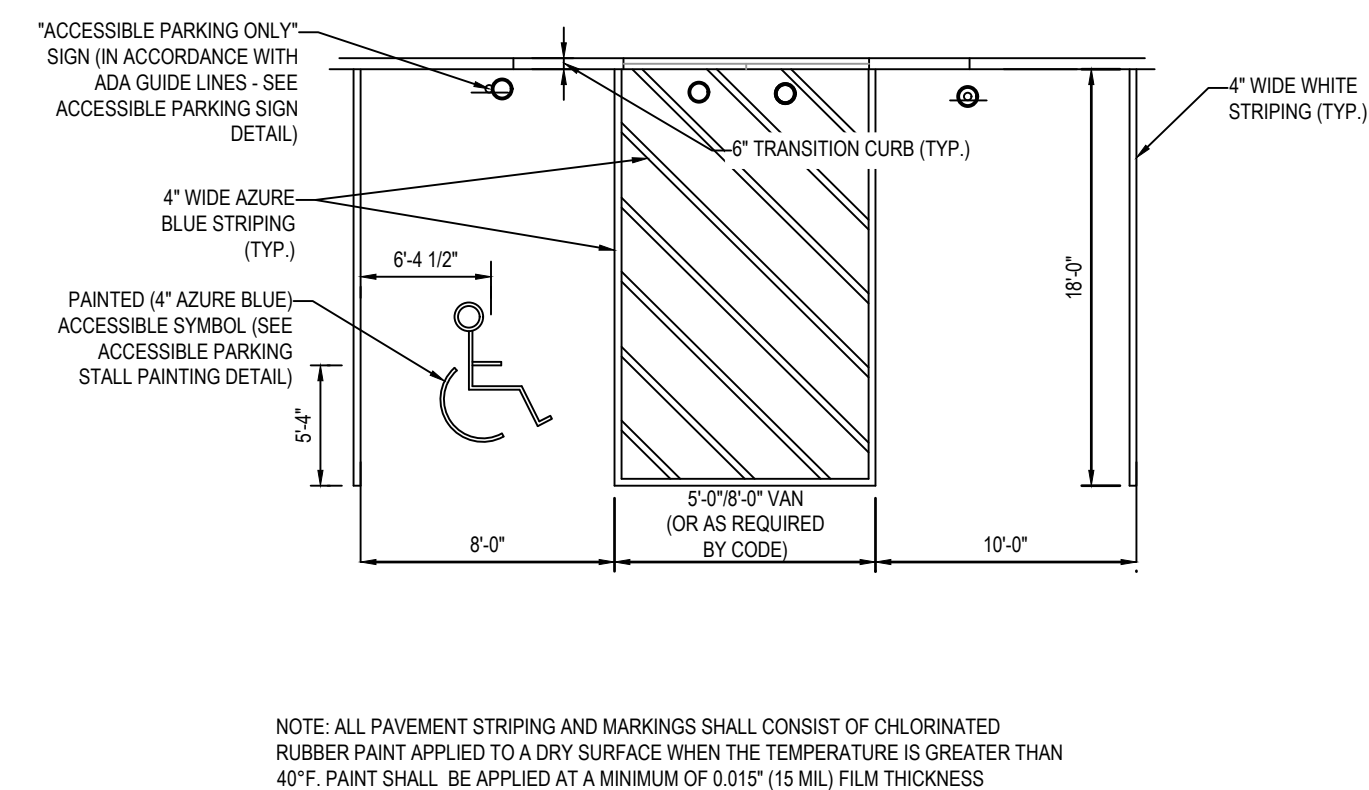
## SIDEWALK DETAIL

N.T.S.



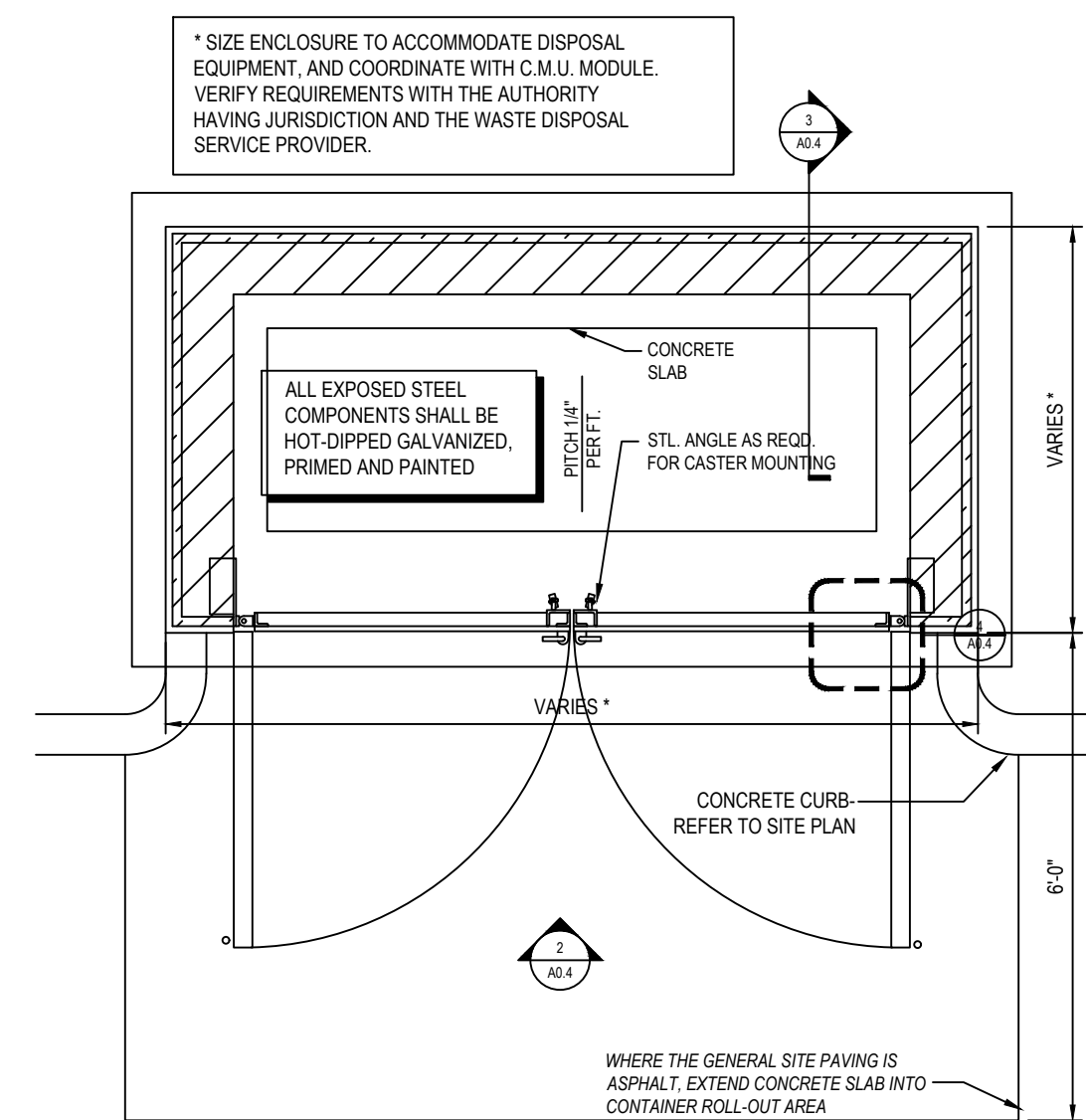
## SLOPED WALK DETAIL

N.T.S.

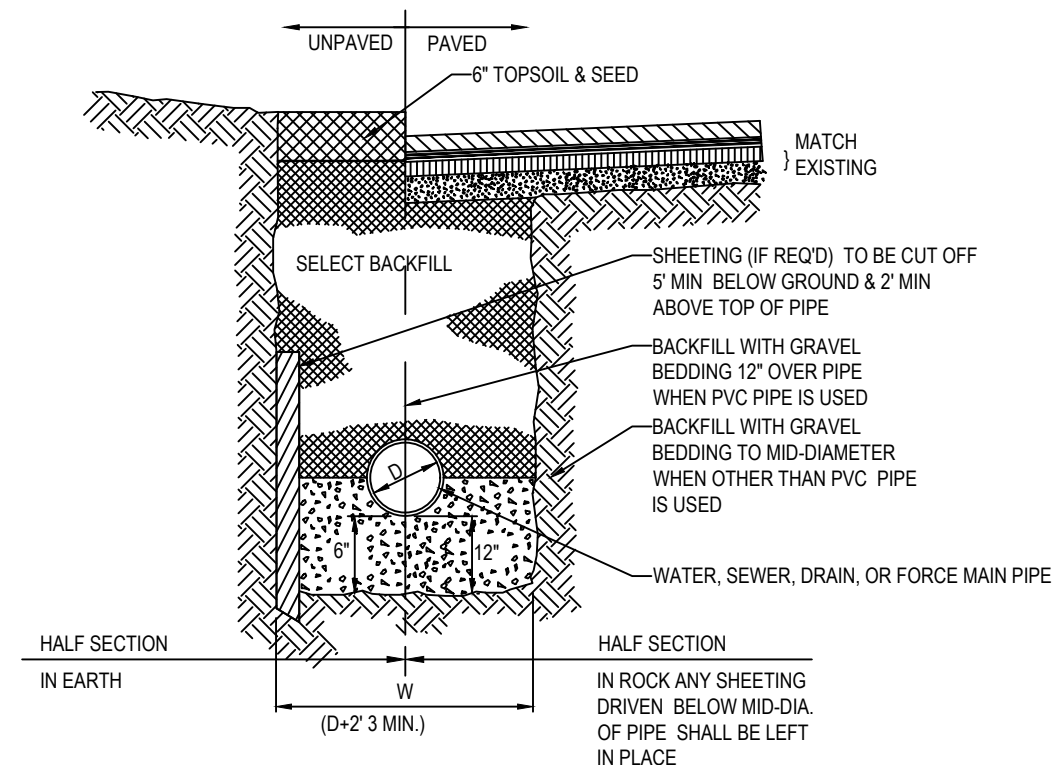


## ACCESSIBLE STALL MARKINGS & PARKING LOT STRIPING DETAIL

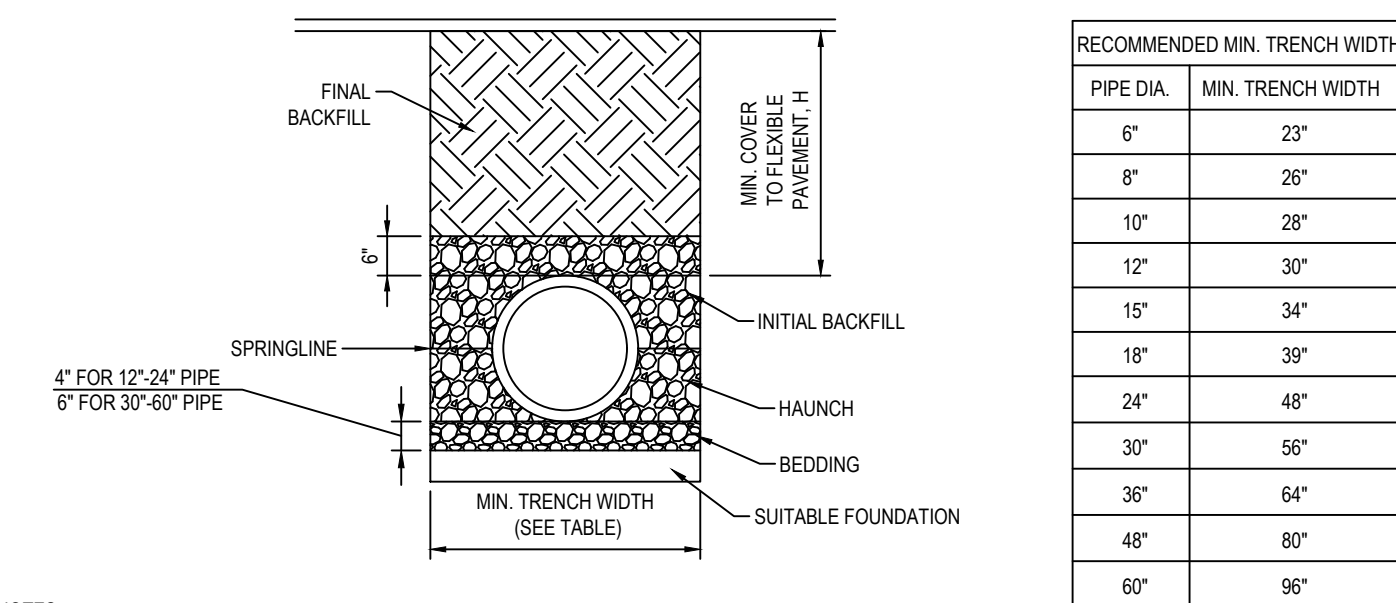
N.T.S.



TRASH ENCLOSURE



### TYPICAL UTILITY TRENCH



**NOTES:**

**1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS". LATEST ADDITION**

**2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE PINES INTO BACKFILL MATERIAL, WHEN REQUIRED.**

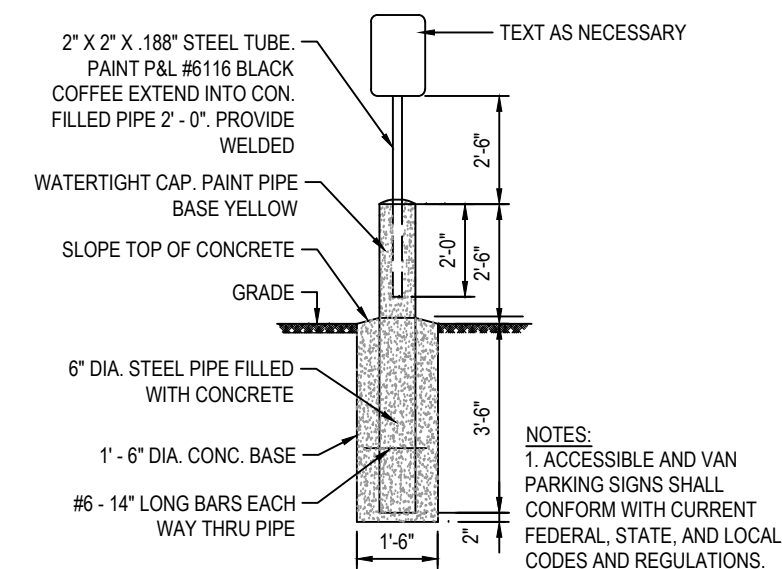
**3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.**

**4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS II, III OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) For 4'-3/4" (100mm±90mm); 6" (150mm) For 3'-0" (75mm±90mm).**

**5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS II, III OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.**

**6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO TOP OF GRADE SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.**

## HDPE STORM DRAINAGE TRENCH



## SIGN BOLLARD DETAIL

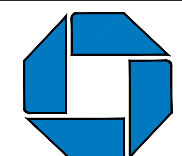
N.T.S.

11 March 2022  
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PROJECT TITLE: <b>SITE DEVELOPMENT          PLANS</b>	DRAWN BY: EO	REVIEWED BY: KS	ISSUE DATE 03/08/2022	SCALE: AS SHOWN	PROJECT #: 4121000090
			SHEET TITLE: <b>DETAIL SHEET</b>		
SITE ADDRESS: 900 NW PRYOR RD LEE'S SUMMIT, MO 64081					

C-6

SHEET NO.



**CHASE BANK**  
**NEW STRUCTURE**  
**RYOR RD., LEE'S SUMMIT, MO 64081**

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Sheet No.	Sheet Title	Rev. / Issue
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S0.1	GENERAL NOTES	
S0.2	GEN. NOTES, O.A. AND SPECIAL INSPECTIONS	
S1.0	FOUNDATION PLAN	
S2.0	ROOF FRAMING PLAN	
S3.0	STRUCTURAL DETAILS	
S3.1	STRUCTURAL DETAILS	
S4.0	STRUCTURAL DETAILS	
S4.1	STRUCTURAL DETAILS	
S4.2	STRUCTURAL DETAILS	

## Design Loads

GROUND FLOOR DEAD LOAD	
SLAB ON GRADE	SELF WEIGHT
ROOF DEAD LOADS	
ROOF MEMBRANE	0.5 PSF
ROOF INSULATION	5 PSF (AVG.)
ROOF SHEATHING	2.5 PSF (PLYWOOD), 2 PSF (STEEL)
MEP	7 PSF
CEILING	1.5 PSF
TOTAL IMPOSED DL	16.5 PSF
ROOF FRAMING	8.5 PSF
DL w/ FRAMING	25 PSF
LLr	20 PSF
SL	20 PSF
WB TYPE EXTERIOR WALLS (SEE ARCH.)	17 PSF
WC TYPE EXTERIOR WALLS (SEE ARCH.)	13 PSF
LIVE LOADS	
1st FLOOR	100 PSF
ROOF	20 PSF (REDUCIBLE)

## IBC Lateral Loads

OCCUPANCY CATEGORY	II
--------------------	----

WIND	
BASIC WIND SPEED	109 MPH
IMPORTANCE FACTOR	IIW = II
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	GCPI = ±0.18
CLADDING WIND PRESSURE	-17 PSF
DESIGN WALL WIND PRESSURE	24 PSF
DESIGN PARAPET WIND PRESSURE	58 PSF
DESIGN ROOF UPLIFT	-20 PSF
WIND MAX BASE SHEAR	V = 43.3K

SEISMIC	
OCCUPANCY CATEGORY	II
IMPORTANCE FACTOR	I = 1.00
SOIL SITE CLASS	D

SPECTRAL RESPONSE COEFFICIENTS	
S <sub>DS</sub>	0.106
S <sub>D1</sub>	0.109

MAPPED SPECTRAL RESPONSE ACCELERATION	
S <sub>s</sub>	0.099
S <sub>i</sub>	0.068

SOIL FACTOR COEFFICIENTS	
F <sub>A</sub>	1.6
F <sub>V</sub>	2.4
STRUCTURAL SYSTEM	WOOD STRUCTURAL PANEL SHEATHED SHEAR WALLS, R=6.5
SEISMIC BASE SHEAR	V = 2.64k
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
SEISMIC DESIGN CATEGORY	B

## General Notes

1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES: THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND IN THE PROJECT SPECIFICATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
3. STRUCTURE NOTED IN THE DRAWINGS AS EXISTING SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND ANY DISCREPANCIES NOTED SHALL BE REPORTED TO THE ARCHITECT/STRUCTURAL ENGINEER.
4. DO NOT SCALE THE DRAWINGS.
5. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES, TYPICAL DETAILS, AND THE PROJECT SPECIFICATIONS.
6. TYPICAL DETAILS AND SCHEDULES INDICATED MAY NOT BE SPECIFICALLY REFERENCED ON THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN THE CORRECT TYPICAL DETAIL OR SCHEDULE APPLIES. IF LOCATIONS ARE FOUND WHERE NO TYPICAL DETAIL, TYPICAL SCHEDULE, OR SPECIFIC DETAIL APPLIES, NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER.
7. SEE THE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:  
SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS, SIZE AND LOCATION OF INTERIOR AND EXTERIOR NONBEARING PARTITIONS, SIZE AND LOCATION OF CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC., SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS, FLOOR AND ROOF FINISHES, STAIR FRAMING AND DETAILS, DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, CEILING ASSEMBLIES, EXTERIOR WALL ASSEMBLIES.
8. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:  
PIPES, SLEEVES, HANGERS, TRENCHES, WALL, FLOOR AND ROOF OPENINGS, DUCT PENETRATIONS ETC., EXCEPT AS SHOWN OR NOTED. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS, CONDUCT INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES, SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES AND ANCHOR BOLTS FOR MOUNTS.
9. FOR MECHANICAL AND ELECTRICAL EQUIPMENT ANCHORAGE TO BE DESIGNED BY OTHERS, SEE ASCE 7-16 SECTION 13.6. USE ISOLATORS, FASTENERS AND BRACING APPROVED BY ICC-ES CAPABLE OF TRANSMITTING CODE REQUIRED LATERAL LOADS. SECURE SUSPENDED EQUIPMENT WITH LATERAL BRACING.
10. FOR PIPING AND DUCTWORK BRACING TO BE DESIGNED BY OTHERS, SEE THE LATEST EDITION OF "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS" BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.
11. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INCLUDE THE METHOD OF CONSTRUCTION. CONTRACTOR TO PROVIDE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AS REQUIRED. CONTRACTOR TO PROVIDE ADEQUATE EXCAVATION PROCEDURES, SHORING, BRACING AND ERECTION PROCEDURES COMPLYING WITH NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, CEILING AND SHORING FOR LOADS DUE TO HYDROSTATIC, EARTH, WIND OR SEISMIC FORCES. CONSTRUCTION EQUIPMENT, ETC.
12. OBSERVATION VISITS (SITE VISITS) BY REPRESENTATIVES OF ARCHITECT/STRUCTURAL ENGINEER DO NOT INCLUDE INSPECTION OF CONSTRUCTION MEANS AND METHODS. SITE VISITS DURING CONSTRUCTION ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES ARE TO BE PERFORMED BY OTHERS. OBSERVATIONS ARE PERFORMED SOLELY FOR THE PURPOSE OF DETERMINING IF THE CONTRACTOR UNDERSTANDS DESIGN INTENT SHOWN IN THE CONTRACT DRAWINGS. OBSERVATIONS DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND ARE NOT TO BE CONSTRUED AS SUPERVISION OR VERIFICATION OF CONSTRUCTION.
13. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURAL MEMBERS.
14. ALL SPECIFICATIONS AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THIS PROJECT.
15. CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING AND EARTH WORK OPERATIONS FOR FILLED, EXCAVATION OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, UTILITIES, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
16. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT WHEN PLACED ON FRAMED FLOORS OR ROOFS. THE CONSTRUCTION MATERIAL LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
17. SHOP DRAWINGS SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW SHALL CONSIST OF 2 BOND SETS. NO MODIFICATIONS OR SUBSTITUTION OF DRAWINGS AND SPECIFICATIONS WILL BE ACCEPTED VIA SHOP DRAWING REVIEW.
- CONTRACTOR SHALL REVIEW AND STAMP SHOP DRAWINGS PRIOR TO SUBMISSION TO THE ARCHITECT/STRUCTURAL ENGINEER. CONTRACTOR SHALL REVIEW FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS.
  - SUBMIT SHOP DRAWINGS TO THE ARCHITECT/STRUCTURAL ENGINEER AS INDICATED OR SPECIFIED FOR REVIEW PRIOR TO FABRICATION. REVIEW WILL BE FOR GENERAL CONFORMANCE WITH DESIGN INTENT CONVEYED IN CONTRACT DOCUMENTS.
  - WHEN AN ENGINEER IS REQUIRED TO SIGN AND STAMP SHOP DRAWINGS AND CALCULATIONS, ENGINEER SEAL INDICATES ENGINEER AS REGISTERED IN STATE WHERE PROJECT SITE OCCURS.
  - SHOP DRAWINGS ARE NOT A PART OF CONTRACT DOCUMENTS. THEREFORE, ARCHITECT'S/STRUCTURAL ENGINEER'S REVIEW DOES NOT CONSTITUTE AN AUTHORIZATION TO DEViate FROM TERMS AND CONDITIONS OF THE CONTRACT.
  - SHOP DRAWINGS WILL BE REJECTED FOR INCOMPLETENESS, LACK OF COORDINATION WITH OTHER PORTIONS OF CONTRACT DOCUMENTS, LACK OF CALCULATIONS (IF REQUIRED), OR WHERE MODIFICATIONS OR SUBSTITUTIONS ARE INDICATED WITHOUT PRIOR REVIEW PER PARAGRAPH ABOVE.
  - SUBMIT SHOP DRAWINGS AND CALCULATIONS TO GOVERNING CODE AUTHORITY WHEN SPECIFICALLY INDICATED OR REQUESTED.
  - MAINTAIN A COPY OF ALL SHOP DRAWINGS ACCEPTED BY THE ARCHITECT/STRUCTURAL ENGINEER AT SITE DURING CONSTRUCTION PERIOD.
  - STRUCTURAL ENGINEER REQUIRES 10 WORKING DAYS AFTER RECEIPT OF SHOP DRAWINGS AND CALCULATIONS FOR PROCESSING.
18. DIMENSION RESPONSIBILITIES:  
INNOVA TECHNOLOGIES, INC. WILL MAKE ALL EFFORTS TO ENSURE ALL DIMENSIONS PROVIDED ARE COMMENSURATE WITH DESIGN DRAWINGS, INCLUDING IDENTIFYING DISCREPANCIES AS FOUND. INNOVA TECHNOLOGIES, INC. CANNOT BE HELD RESPONSIBLE FOR DIMENSIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY CORRECTNESS OF DIMENSIONS PRIOR TO FABRICATION AND/OR ERECTION OF ALL WORK WITHIN DRAWINGS. USE OF DRAWINGS SUBMITTED BY INNOVA TECHNOLOGIES, INC. ASSUMES ACCEPTANCE OF SAID DRAWINGS AND DIMENSIONS WITHIN BY CONTRACTOR.
19. DRAWINGS AS INSTRUMENTS OF SERVICE ARE THE PROPERTY OF INNOVA TECHNOLOGIES, INC., AND ANY USE OR REPRODUCTION, IN WHOLE OR IN PART, WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED. DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF THE DESIGN PROFESSIONAL. COPIES OF THE DRAWINGS AND SPECIFICATIONS RETAINED BY THE CLIENT MAY BE UTILIZED ONLY FOR HIS USE AND FOR OCCUPYING THE PROJECT FOR WHICH THEY WERE PREPARED, AND NOT FOR CONSTRUCTION OF ANY OTHER PROJECTS. NAC 623.780.

## Abbreviations

A.B.	AND	G.A.	GAGE OR GAUGE	S	STANDARD I BEAM
A.CI	ANCHOR BOLTS	GALV.	GALVANIZED	S.	SOUTH
ACI	AMERICAN CONCRETE INSTITUTE	GEN.	GENERAL	SCHED.	SCHEDULE
ADCL	ADDITIONAL	G.I.	GALVANIZED IRON	SECT.	SECTION
AGGR.	AGGREGATE	GLB	GLU-LAM BEAM	SF	SQUARE FEET
AIA	AMERICAN INSTITUTE OF ARCHITECTS	GR.	GRADE	SHt.	SHEET
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION			SHt.G.	SHEATHING
AISI	AMERICAN IRON AND STEEL INSTITUTE	H	HEIGHT	SIM	SIMILAR
AL	ALUMINUM	HEX.	HEXAGON	SIMP.	SIMPSON
ALT.	ALTERNATE	HNGR.	HANGER	SK.	SKETCH
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HORIZ.	HORIZONTAL	SMS	SHEET METAL SCREW
APPROX.	APPROXIMATE	" or IN.	INCHES	SPECS.	SPECIFICATIONS
ARCH.	ARCHITECT OR ARCHITECTURAL	IBC	INTERNATIONAL BUILDING CODE	SQ.	SQUARE
ASPH.	ASPHALT	ID.	INSIDE DIAMETER	S.F.	SQUARE FOOT
ASSY.	ASSEMBLY	I.F.	INSIDE FACE	S.S.	STAINLESS STEEL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	INFO.	INFORMATION	SSH.	SHORT SLOTTED HOLE
AVG.	AVERAGE	JT.	JOINT	STAGG.	STAGGER, OR STAGGERED
AWS	AMERICAN WELDING SOCIETY			STD.	STANDARD
B/ or B.O.	BOTTOM OF	K	KIP (1,000 LBS)	STL.	STEEL
BLDG.	BUILDING	Kg	KILOGRAM	STRUC.	STRUCTURAL
BLK.	BLOCK	KSI	KIPS PER SQUARE INCH	S.W.	SHEAR WALL
BLK'G.	BLOCKING			SYM.	SYMMETRICAL
BM.	BEAM	L	ANGLE	T/ or T.O.	TOP OF
B.N.	BOUNDARY NAIL	LABDS	LOS ANGELES BUILDING DEPARTMENT	T&B	TOP AND BOTTOM
BOCA	BUILDINGS OFFICIALS AND CODE ADMINISTRATORS AND INTERNATIONAL, INC.	LB or LBS	POUND or POUNDS	T&G	TONGUE AND GROOVE
B.O.D or BID	BOTTOM OF DECK	Le	LENGTH	THK	THICK, OR THICKNESS
B.O.F or BiF	BOTTOM OF FOOTING	LLBB	LONG LEG BACK TO BACK	THRD.	THREADED
B.O.S or b/S	BOTTOM OF STEEL	LLH	LONG LEG HORIZONTAL	THRU	THROUGH
B.P.	BASE PLATE	LLBV	LONG LEG VERTICAL	THRU-OUT	THROUGH-OUT
BRD.	BOARD	LV	LONG LEG VERTICAL	TJ	TRUSS JOIST MACMILLAN I-J
BRG.	BEARING	LONG.	LONGITUDINAL	T.N.	TOE NAIL
BTWN.	BETWEEN	LS	LENGTH OF SPAN	T.O.C. or T/C	TOP OF CONCRETE
C	CHANNEL	LSH	LONG SLOTTED HOLE	T.O.F. or T/F	TOP OF FOOTING
C/G	CENTER OF GRAVITY	MATL.	MATERIAL	T.O.M. or T/M	TOP OF MASONRY
C&C	CENTER TO CENTER	MAX.	MAXIMUM	T.O.S. or T/S	TOP OF STEEL
C.C.	CARRIED COLUMN	M.B.	MACHINE BOLT	TRANS.	TRANVERSE
CBC	CALIFORNIA BUILDING CODE	M.ECH.	MECHANICAL	TS	TUBE STEEL
CF	CUBIC FOOT	MEZZ.	MEZZANINE	TYP.	TYPICAL
C.I.	CAST IRON	MID.	MIDDLE	U..O.	UNLESS NOTED OTHERWISE
C.J.	CONTROL, OR CONSTRUCTION JOINT	MIN.	MINIMUM	VERT.	VERTICAL
C.P.	COMPLETION JOINT PENETRATION	MISC.	MISCELLANEOUS	V.I.F.	VERIFY IN FIELD
¢ or CL	CENTERLINE	MIX.	MIXTURE	VOL.	VOLUME
CLG.	CEILING	MTL.	METAL	w/	WITH
CLR.	CLEAR	MULT.	MULTIPLE	w/o	WITHOUT
CMU	CONCRETE MASONRY UNITS	(N)	NEW	W	WIDE FLANGE BEAM
COL.	COLUMN	# or No.	NUMBER	W.	WEST
CONC.	CONCRETE	N	NORTH	W.I.	WROUGHT IRON
CONN.	CONNECTION	N.F.	NEAR FACE	W.P.	WORK POINT
CONST.	CONSTRUCTION	NOM.	NOMINAL	WT.	WEIGHT
CONT.	CONTINUOUS	N.S.	NEAR SIDE	WWF	WELDED WIRE FABRIC
CONTR.	CONTRACTOR	N.T.S.	NOT TO SCALE	YD.	YARD
CY	CUBIC YARD	O.C.	ON CENTER		
Ø or DIA.	DIAMETER	O.D.	OUTSIDE DIAMETER		
d	PENNY WEIGHT	O.F.	OUTSIDE FACE		
Do	DITTO	O.H.	OPPOSITE HAND		
DBL.	DOUBLE	OPP	OPPOSITE		
D.F.	DOUGLAS-FIR	OPNG.	OPENING		
DIAG.	DIAGONAL	OSB	ORIENTED STRAND BOARD		
DTL.	DETAIL	OWJ	OPEN WEB JOIST		
DWG.	DRAWING	PAF	POWDER ACTUATED FASTENER		
(E)	EXISTING	PCF	POUNDS PER CUBIC FOOT		
E	EAST	PERM.	PERMANENT		
EA.	EACH	PERP.	PERPENDICULAR		
E.A.	EACH FACE	PL.	PLATE		
E.J.	EXPANSION JOINT	P.L.	PROPERTY LINE		
ELEC.	ELECTRIC or ELECTRICAL	PLY.	PLYWOOD		
ELEV.	ELEVATION	PROJ.	PROJECT		
E.N.	EDGE NAIL	P-T	POST-TENSION		
ENGR.	ENGINEER	P.T.	PRESSURE-TREATED		
EQ.	EQUAL	PTN.	PARTITION		
EQUIP.	EQUIPMENT	PSF	POUNDS PER SQUARE FOOT		
EST.	ESTIMATE	PSI	POUNDS PER SQUARE INCH		
E.W.	EACH WAY	QTY.	QUANTITY		
EXCAV.	EXCAVATE	R	RADIUS		
EXT.	EXTERIOR	RCP	REFLECTED CEILING PLAN		
*or FT.	FEET or FOOT	REF.	REFERENCE		
FAB.	FABRICATOR OR FABRICATION	REINF.	REINFORCE, REINFORCED, REINFORCEMENT, OR REINFORCING		
FDN.	FOUNDATION	REQ.	REQUIREMENT		
F.F.	FAR FACE	REQ'D.	REQUIRED		
FIN.	FINISH	REV.	REVISION		
FLR.	FLOOR	R.J.	ROOF JOIST		
F.N.	FIELD NAIL	RM.	ROOM		
FRMG.	FRAMING	R.R.	ROOF RAFTER		
F.S.	FAR SIDE				
FTG.	FOOTING				

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SIGNED BY:



COA # 2012012048

DATE: 02/21/2022

NAME \_\_\_\_\_

LICEN

LICENSE NUMBER

PRYOR RD AND LOWENSTEIN DR.

908 NW PRYOR RD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000082

[illegible]

PRYOR RD AND  
LOWENSTEIN DR.

## CONTENTS

COVER SHEET  
AND GENERAL NOTES

02/21/2022

SHEET

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Foundation

1. THE DESIGN OF THE FOUNDATION SYSTEM IS BASED ON THE GEOTECHNICAL REPORT (AND ANY ADDENDA) PREPARED BY THE FOLLOWING COMPANY:  
COMPANY: KAW VALLEY ENGINEERING  
REPORT NO.: C21G1105  
DATED: DECEMBER 6, 2021
- COPIES SHALL BE MADE AVAILABLE FOR REVIEW AT THE ARCHITECT'S OFFICE AND CONTRACTOR SHALL HAVE A COPY AT THE JOBSITE.
2. THE FOUNDATION SYSTEM IS DESIGNED BASED ON THE FOLLOWING INFORMATION:  
a. ALLOWABLE SOIL BEARING PRESSURE:  
• CONTINUOUS FOOTINGS..... 3500 PSF\*  
• SPREAD FOOTINGS..... 3500 PSF\*  
b. EQUIVALENT FLUID PRESSURE UNCONSTRAINED..... 40 PCF  
c. EQUIVALENT FLUID PRESSURE CONSTRAINED..... 60 PCF  
d. FRICTION COEFFICIENT..... 0.25
3. THE CONTRACTOR SHALL PROVIDE FOR PROPER DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
4. THE CONTRACTOR SHALL PROVIDE FOR THE INSTALLATION AND DESIGN OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY AND ADEQUATELY RETAIN THE EARTH BANKS AND SUPPORT ANY EXISTING STRUCTURES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.
5. ALL ABANDONED UTILITIES, FOOTINGS, ETC., THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED. NOTIFY THE STRUCTURAL ENGINEER SHOULD ANY FOUNDATIONS FOR EXISTING STRUCTURES BE ENCOUNTERED THAT ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.
6. FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS. EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN THE EXCAVATIONS ARE READY FOR INSPECTION. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE GEOTECHNICAL ENGINEER, FOOTING ELEVATIONS OR FOOTING DESIGNS WILL BE ALTERED BY CHANGE ORDER.
7. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILL. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN THE BUILDING PERIMETER SHALL BE MECHANICALLY COMPACTED IN LAYERS. TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. SEE GEOTECHNICAL REPORT FOR REQUIREMENTS. FLOODING WILL NOT BE PERMITTED.
8. THE CONTRACTOR SHALL NOT BACKFILL BEHIND RETAINING WALLS BEFORE THE CONCRETE OR MASONRY WALLS HAVE REACHED FULL DESIGN STRENGTH. THE CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE REACHED FULL DESIGN STRENGTH. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, ANY REQUIRED PERMITS AND THE INSTALLATION OF SUCH BRACING AND PROTECTION.
9. SUB-BASE BELOW SLABS ON GRADE SHALL BE SUPPORTED ON NATURAL GRADE OR STRUCTURAL FILL AS DIRECTED IN THE GEOTECHNICAL REPORT. SEE TYPICAL DETAILS AND GEOTECHNICAL REPORT FOR VAPOR BARRIER AND SUB-BASE REQUIREMENTS.

Reinforcing Steel

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-14 FOR CONCRETE CONSTRUCTION OR "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" TMS 402/602-16 FOR MASONRY CONSTRUCTION AND THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" BY CRSI AND WCRSI AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.
2. DEFORMED REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 AND ASTM A706 GRADE 60 FOR DEFORMED WELDABLE BARS. EXCEPT AS FOLLOWS:  
a. SHEARWALL, TILT-UP WALL, MOMENT FRAME, COUPLING BEAMS AND SLAB CHORD AND DRAG REINFORCING SHALL BE ASTM A706 EXCEPT ASTM A615 GRADE 60 MAY BE USED IF (A) THE ACTUAL YIELD STRESS IS BETWEEN 60 KSI AND 78 KSI AND (B) ACTUAL TENSILE STRENGTH IS GREATER THAN 1.25 TIMES ACTUAL YIELD STRENGTH, MILL TEST SHALL BE SUBMITTED.
3. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
4. LAP SPLICES SHALL BE MADE ONLY WHERE SHOWN ON THE STRUCTURAL DRAWINGS.
5. REINFORCING DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME NUMBER, SIZE, SPACING AND GRADE AS THE SPECIFIED VERTICAL REINFORCING, UNO.
6. ALL REINFORCING BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION OCCURS.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
8. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6" OR ONE FULL MESH AND ONE HALF, WHICHEVER IS GREATER.
9. IN ADDITION TO ALL THE REINFORCING STEEL INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE FOR AN ALLOWANCE OF TWO TONS OF REINFORCING BARS TO BE FURNISHED, FABRICATED AND PLACED DURING THE PROGRESSION OF WORK AS MAY BE DIRECTED BY THE STRUCTURAL ENGINEER.

Structural Steel

1. STRUCTURAL STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 303-16 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. ALL FABRICATION SHALL OCCUR IN AN AISC APPROVED FABRICATION SHOP LICENSED BY THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT WITH A MINIMUM OF 10 YEARS OF EXPERIENCE IN SIMILAR WORK. THE FABRICATOR SHALL RETAIN A DETAILER WITH A MINIMUM OF 5 YEARS RELEVANT EXPERIENCE IN THE PREPARATION OF ERECTION AND FABRICATION DRAWINGS.
3. MATERIALS:  
  
WIDE FLANGE SHAPES ..... ASTM A992, Fy = 50 KSI  
HSS SQUARE & RECTANGLE SHAPES ..... ASTM 500 GR. C, Fy = 50 KSI  
HSS ROUND SHAPE ..... ASTM 500 GR. C, Fy = 46 KSI  
PIPES ..... ASTM A53, GR. B, TYPE E OR S  
Fy = 35 KSI  
  
ALL OTHER SHAPES & PLATES ..... ASTM A36, Fy = 36 KSI  
HIGH STRENGTH BOLTS ..... F3125 GR. A325 OR F1852 U.N.O.  
ANCHOR BOLTS ..... ASTM F1554, GR. 36 w/ SUPP. S1 U.N.O
4. BOLT HOLES IN STEEL SHALL BE 1/8" LARGER THAN NOMINAL SIZE OF BOLT USED, EXCEPT ANCHOR BOLT HOLES.
5. WELDED JOINTS SHALL CONFORM TO THE PREQUALIFIED JOINT DETAILS AS INDICATED IN THE STRUCTURAL WELDING CODE (AWS D1.1) BY THE AMERICAN WELDING SOCIETY. WELDS SHALL BE MADE USING A FILLER METAL HAVING 70 KSI MINIMUM TENSILE STRENGTH. FILLER METAL SHALL HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT 0 DEGREES FAHRENHEIT, UNLESS NOTED OTHERWISE. SMAW OR FCAW PROCESSES ARE ACCEPTABLE PROVIDED ALL POWER, CURRENT, AND FEED RATES ARE SET IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WELD SIZE SHALL BE AISC MINIMUM UNLESS A LARGER SIZE IS NOTED.
7. WELDING TESTS AND INSPECTIONS:  
A. ALL SHOP WELDS SHALL BE TESTED AND INSPECTED ON THE FOLLOWING MANNER:  
• FILLET WELDS: 100% VISUALLY INSPECTED  
• PJP: 100% VISUALLY INSPECTED, 20% ULTRASONIC TESTING  
• CJP: 100% ULTRASONIC TESTING
- B. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.
8. THE FABRICATOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW TWO BOND SETS (MIN.) OF SHOP AND ERECTION DRAWINGS. DRAWINGS MUST BE COMPLETE. SHOW ALL WELDS, BOLTS, DIMENSIONS, ETC. RFI AND QUESTIONS THAT MAY RESULT IN A CHANGE ORDER REQUEST MAY NOT BE POSED ON THE SHOP OR ERECTION DRAWINGS. SUCH QUESTIONS MUST FOLLOW THE FORMAL RFI PROCESS.

Concrete

1. ALL ASPECTS OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318-14, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE LATEST EDITION OF "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 301, WITH MODIFICATIONS AS NOTED ON THE PROJECT DRAWINGS AND/OR SPECIFICATIONS.
2. CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. ALL MIX DESIGNS SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SHALL BE WET STAMPED BY A CIVIL ENGINEER LICENSED IN THE STATE OF THE PROJECT. BASE DESIGN MIX ON FIELD EXPERIENCE OR TRIAL MIXTURES AS STIPULATED IN ACI 318-14, SECTION 26.4.4.
3. PORTLAND CEMENT SHALL CONFORM TO ASTM C150 TYPE V WHERE THE CONCRETE IS IN CONTACT WITH SOIL. CONCRETE THAT WILL BE EXPOSED TO SULFATE-CONTAINING SOLUTIONS SHALL COMPLY WITH IBC SECTION 1904.2 AND ACI 318-14 SECTION 19.3.1. SEVERE AND VERY SEVERE SULFATE EXPOSURES AS IDENTIFIED IN THE PROJECT GEOTECHNICAL REPORT, THE WATER CEMENT RATIO SHALL NOT EXCEED 0.45 AND SHALL NOT EXCEED 0.50 FOR MODERATE SULFATE EXPOSURE. TYPE II CEMENT SHALL BE USED AT ALL OTHER LOCATIONS IN THE STRUCTURE.
4. FLY ASH MAY BE USED IN CONCRETE MIXES. THE FLY ASH SHALL CONFORM TO ASTM C618 CLASS F. THE LOSS OF IGNITION SHALL BE LIMITED TO 2%. THE ADDITION RATE FOR FLY ASH SHALL BE LIMITED TO 15% OF THE CEMENT WEIGHT. THE CONTRACTOR SHALL SUBMIT ALL CERTIFICATES SHOWING THE FLY ASH IS IN ACCORDANCE WITH THE ABOVE CRITERIA.
5. DO NOT USE CONCRETE OR GROUT CONTAINING CHLORIDES.
6. NORMAL WEIGHT CONCRETE-AGGREGATE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH APPROVAL OF THE STRUCTURAL ENGINEER. PROVIDE CONCRETE MIX DESIGN WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.0005 INCHES/INCH.
7. STRUCTURAL CONCRETE 28-DAY STRENGTHS AND TYPES ARE AS FOLLOWS:
- | LOCATION OF CONCRETE | STRENGTH, PSI | TYPE          |
|----------------------|---------------|---------------|
| FOOTINGS             | 4000          | NORMAL WEIGHT |
| SLAB ON GRADE        | 4000          | NORMAL WEIGHT |
8. THE MODULUS OF ELASTICITY OF CONCRETE SHALL BE TESTED IN ACCORDANCE WITH ASTM C469 FOR FRAMED CONCRETE SLABS AND BEAMS, AND SHALL AT A MINIMUM ACHIEVE THE VALUE GIVEN BY THE EQUATIONS IN SECTION 19.2.2.1 OF ACI 318 FOR THE SPECIFIED CONCRETE 28-DAY STRENGTH.
9. CONCRETE MIXING OPERATIONS, ETC., SHALL BE IN ACCORDANCE WITH ASTM C94.
10. DRY PACK OR GROUT UNDER BASE PLATES, SILL PLATES, ETC., SEE SPECIFICATIONS. STRENGTH REQUIREMENTS ARE 7000 PSI MINIMUM NON-SHRINK GROUT AS REQUIRED FOR CONCRETE.
11. SUBMIT SHOP DRAWINGS TO ARCHITECT/STRUCTURAL ENGINEER INDICATING LOCATIONS OF CONCRETE JOINTS FOR REVIEW PRIOR TO PLACING CONCRETE. PLACE JOINTS AT LOCATIONS TO MINIMIZE EFFECTS OF SHRINKAGE AS WELL AS BEING PLACED AT POINTS OF LOW STRESS.
12. CONCRETE PLACEMENT SHALL BE IN ACCORDANCE WITH ACI STANDARD 304 AND PROJECT SPECIFICATIONS. PROVIDE KEYS IN CONSTRUCTION JOINTS UNLESS DETAILED OTHERWISE. THOROUGHLY CLEAN, REMOVE LAITANCE AND THOROUGHLY WET AND REMOVE STANDING WATER IN CONSTRUCTION JOINTS BEFORE PLACING NEW CONCRETE. AT VERTICAL JOINTS, SLUSH WITH A COAT OF NEAT CEMENT BEFORE PLACING NEW CONCRETE.
13. ROUGHEN CONCRETE SURFACE TO A FULL AMPLITUDE OF 1/4" WHERE MASONRY WALLS INTERSECT CONCRETE OR WHERE NEW CONCRETE INTERFACES WITH EXISTING CONCRETE.
14. CLEAR COVERAGE OF CONCRETE OVER REINFORCING BARS SHALL BE AS FOLLOWS:
- | LOCATION OF CONCRETE   | MIN. CONCRETE COVER |
|--|---------------------|
| CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH   | 3"                  |
| CONCRETE EXPOSED TO EARTH OR WEATHER:<br>#6 THROUGH #18 BAR<br>#5 AND SMALLER  | 2"<br>1 1/2"        |
| CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, UNO:<br>SLABS, WALLS, JOISTS:<br>#14 AND #18 BAR<br>#11 BAR AND SMALLER | 1 1/2"<br>3/4"      |
| BEAMS, COLUMNS:<br>PRIMARY REINFORCING, TIES, STIRRUPS, SPIRALS  | 1 1/2"              |
| SLAB ON GRADE:   | 3"                  |
15. PRIOR TO CONCRETE PLACEMENT, ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION.
16. UNLESS OTHERWISE INDICATED IN THE MECHANICAL OR ELECTRICAL DRAWINGS OR PROJECT SPECIFICATIONS, MECHANICAL PIPES AND ELECTRICAL CONDUITS WHICH PASS THROUGH SLAB ON GRADE, CONCRETE ON STEEL DECK, FRAMED CONCRETE FLOORS AND WALLS DO NOT REQUIRE SLEEVES. IF SLEEVES ARE REQUIRED, THE SLEEVES SHALL BE INSTALLED PRIOR TO PLACING CONCRETE. DO NOT CUT ANY REINFORCING WHICH MAY INTERFERE WITH SLEEVE PLACEMENT. CORING OPENINGS IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
17. FOR SLABS ON GRADE NO PIPES OR CONDUITS SHALL BE PLACED WITHIN THE INDICATED CONCRETE SLAB THICKNESS AND SHALL BE LOCATED BELOW THE SLAB UNLESS SPECIFICALLY DETAILED OTHERWISE.
18. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY ARCHITECT/STRUCTURAL ENGINEER.
19. ANY CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE A RESILIENT TILE FINISH SHALL BE APPROVED BY THE FINISH APPLICATOR BEFORE USE.

Wood

1. ALL STRUCTURAL FRAMING AND CONNECTIONS SHALL BE PER CHAPTER 23 OF THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC). SPECIFIED HARDWARE SHALL BE SIMPSON STRONG-TIE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, UNO.
2. ALL TIMBER AND WOOD CONSTRUCTION SHALL CONFORM TO THE 2018 NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION WITH THE SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC AND MANUAL FOR ENGINEERED WOOD CONSTRUCTION.
3. SOLID SAWN LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) OR THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB). ALL SOLID SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY. THE MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 19% BY WEIGHT. SOLID SAWN LUMBER SHALL HAVE THE FOLLOWING MINIMUM GRADES:
- | 2x4 STUDS AND BLOCKING                                   | DF#2 AND BETTER |
|--|-----------------|
| 2x6 STUDS AND BLOCKING <td>DF#2 AND BETTER</td>          | DF#2 AND BETTER |
| JOISTS, TOP PLATES AND BLOCKING <td>DF#2 AND BETTER</td> | DF#2 AND BETTER |
| 4x BEAMS AND POSTS <td>DF#1 AND BETTER</td>              | DF#1 AND BETTER |
| 6x BEAMS AND POSTS <td>DF#1 AND BETTER</td>              | DF#1 AND BETTER |
- NOTE: INTERIOR NON-BEARING PARTITIONS MAY BE DFL STUD GRADE.
4. INTERIOR NONBEARING WALLS LESS THAN 12' HIGH SHALL BE 2x4 STUDS AT 16"OC.
- DOOR OPENINGS IN INTERIOR NONBEARING WALLS SHALL HAVE THE FOLLOWING MINIMUM HEADERS (UNLESS NOTED OTHERWISE ON PLANS):
- | OPENINGS LESS THAN 6'-0"  | (2) 2x4 VERTICAL |
|---------------------------|------------------|
| OPENINGS LESS THAN 10'-0" | (2) 2x6 VERTICAL |
- OPENINGS IN EXTERIOR AND INTERIOR BEARING WALLS SHALL HAVE THE FOLLOWING MINIMUM FRAMING (UNLESS NOTED OTHERWISE ON PLANS):
- | OPENINGS LESS THAN | 5'-0" | 8'-0" |
|--------------------|-------|-------|
| NUMBER OF TRIMMERS | 1     | 2     |
| NUMBER OF KINGS    | 1     | 2     |
- PROVIDE (1) TRIMMER STUD AND (1) KING STUD MINIMUM AT OPENINGS IN INTERIOR WALLS (UNLESS NOTED OTHERWISE ON PLANS).

OPENINGS LESS THAN 6'-0"	(2) 2x4 VERTICAL
OPENINGS LESS THAN 10'-0"	(2) 2x6 VERTICAL

OPENINGS LESS THAN	5'-0"	8'-0"
NUMBER OF TRIMMERS	1	2
NUMBER OF KINGS	1	2

- ALL STUD PARTITIONS OR WALLS OVER 10'-0" HIGH SHALL HAVE 2x BRIDGING, SAME WIDTH AS THE STUD, PREFERABLY AT MID-HEIGHT BUT NOT TO EXCEED INTERVALS OF 8'-0".
5. SILL PLATES RESTING ON CONCRETE OR MASONRY SHALL BE OF PRESSURE TREATED DOUGLAS FIR. MAXIMUM ANCHOR BOLT SPACING SHALL BE 72" ON CENTER UNLESS NOTED OTHERWISE ON PLANS AND DETAILS. ALL ANCHOR BOLTS (OTHER THAN BOLTS FOR HOLD-DOWNS) SHALL BE EMBEDDED 7" INTO CONCRETE. ANCHOR BOLTS FOR HOLD-DOWNS SHALL NOT BE CONSIDERED AS PART OF REQUIRED ANCHOR BOLTS FOR SHEARWALLS. ALL EXTERIOR WALLS SHALL BE SECURED WITH MINIMUM ANCHOR BOLTS. INTERIOR WALLS, THAT ARE NOT SHEARWALLS, MAY BE SECURED BY DRIVEN SHOT PINS AT 16"OC MINIMUM 1" EMBEDMENT UNLESS NOTED OTHERWISE ON PLANS.
6. ALL BOLTS IN WOOD SHALL CONFORM TO ASTM A307 BOLTS AND SHALL BE INSTALLED IN HOLES BORED WITH A BIT 1/16" LARGER THAN THE DIAMETER OF THE BOLT. BOLTS AND NUTS SEATING ON WOOD SHALL HAVE CUT STEEL WASHERS UNDER HEADS AND NUTS. DAMAGE THREADS AFTER INSTALLATION TO PREVENT LOOSENING.
7. ALL STUD WALL TOP PLATES SHALL BE DOUBLE MEMBERS SPLICED WITH 48" MINIMUM LAP PER TYPICAL STRUCTURAL DETAIL; UNLESS NOTED OTHERWISE.
8. DO NOT NOTCH JOISTS, RAFTERS OR BEAMS, EXCEPT WHERE SHOWN IN DETAILS. OBTAIN ENGINEER'S APPROVAL FOR ANY HOLES OR NOTCHES NOT DETAILED. HOLES THROUGH SILLS, PLATES, STUDS AND DOUBLE PLATES IN INTERIOR, BEARING AND SHEAR WALLS SHALL NOT EXCEED 1/3 THE PLATE WIDTH. USE BORED HOLES LOCATED IN THE CENTER OF THE STUD OR PLATE.
9. NAILED CONNECTIONS SHALL BE COMMON WIRE NAILS AND CONFORM TO TABLE 2304.10.1 OF THE 2018 INTERNATIONAL BUILDING CODE. UNLESS OTHERWISE NOTED, WHERE DRIVING OF NAILS CAUSE SPLITTING, HOLES FOR THE NAILS SHALL BE SUB-DRILLED. EXPOSED EXTERIOR NAILS AND HARDWARE SHALL BE GALVANIZED. WHERE AUTOMATIC NAILING IS USED, NAIL HEADS SHALL NOT PENETRATE PLYWOOD SHEATHING. CONNECTIONS LISTED ARE MINIMUM PERMISSIBLE. DETAILS GOVERN OVER SCHEDULE. SINKERS SHALL NOT BE ALLOWED UNLESS NOTED ON PLANS.
10. ALL EXTERIOR WALLS SHALL BE SOLIDLY SHEATHED. SEE SHEARWALL PLAN / SCHEDULE.
11. FASTENERS IN PRESERVATIVE TREATED AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. FASTENINGS FOR WOOD FOUNDATIONS SHALL BE AS REQUIRED IN AF&PA TECHNICAL REPORT NO. 7.
12. PLYWOOD FOR ROOFS AND FLOORS SHALL BE C-C OR C-D SHEATHING CONFORMING TO PRODUCTS STANDARD PS 1-74. LAY PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. ALL NAILING SHALL BE WITH COMMON NAILS AND SOLID 2x BLOCKING SHALL BE PLACED AT ALL RIDGES AND VALLEYS. ALL ROOF AND FLOOR SHEATHING SHALL BE NAILED WITH BOUNDARY NAILING ALONG THE ENTIRE LENGTH OF SUPPORTING MEMBERS USED AS "DRAG" MEMBERS. A DRAG MEMBER IS A TRUSS OR BEAM DESIGNED TO TRANSMIT A LATERAL FORCE AND/OR A DIAPHRAGM CHORD FORCE AS INDICATED ON THE FRAMING PLANS. PROVIDE BLOCKING AT PANEL EDGES WHERE INDICATED ON PLANS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS AND SPAN/INDEX RATING AND SHALL BE NAILED AS FOLLOWS UNLESS NOTED OTHERWISE:
- |      | THICKNESS | SPAN RATING | BOUNDARY NAILING | EDGE NAILING   | FIELD NAILING   |
|------|-----------|-------------|------------------|----------------|-----------------|
| ROOF | 5/8"      | 40/20       | 10d AT 24" O.C.  | 10d AT 4" O.C. | 10d AT 12" O.C. |
- PLYWOOD FOR SHEARWALLS SHALL BE STRUCTURAL II C-C OR C-D, SPAN INDEX 3/8 ON FORMING TO PS 1-83. THICKNESS SHALL BE AS CALLED FOR ON THE PLANS AND SHEARWALL SCHEDULE. PROVIDE BLOCKING AT ALL PANEL EDGES. ALL WALLS DESIGNATED AS SHEARWALLS SHALL BE CONNECTED TO ROOF AND FLOOR DIAPHRAGMS WITH BOUNDARY NAILING TO PROVIDE PROPER SHEAR TRANSFER.
- AS AN ALTERNATE TO PLYWOOD, AMERICAN PLYWOOD ASSOCIATION (APA) PERFORMANCE RATED SHEATHING MAY BE USED WITH PRIOR APPROVAL OF THE OWNER. RATED SHEATHING SHALL COMPLY WITH EXPOSURE 1, AND SHALL HAVE A SPAN RATING EQUIVALENT TO OR BETTER THAN THE PLYWOOD IT REPLACES. ATTACHMENT AND THICKNESS (WITHIN 1/2") SHALL BE THE SAME AS THE PLYWOOD IT REPLACES. INSTALL PER MANUFACTURER RECOMMENDATIONS.
13. LAG SCREWS AND WOOD SCREWS SHALL CONFORM TO ANSI B.18. ROUND WASHERS SHALL CONFORM TO ANSI/A B18.22.1.

Wood Fastening Schedule

1. AS A MINIMUM AND IF NOT SPECIFICALLY DETAILED OR NOTED ELSEWHERE AND OTHERWISE, THE VARIOUS WOOD COMPONENTS OF THE STRUCTURE SHALL BE FASTENED TOGETHER AS FOLLOWS:
- a. JOIST TO MUD SILL OR UPPER TOP PLATE: (3) 8d COMMON OR 16d SINKER OR SHORT, TOE NAILS.
- b. BLOCKING TO JOIST: (3) 8d COMMON OR 16d SINKER OR SHORT, TOE NAILS OR (2) 16d SINKER OR SHORT FACE NAIL.
- c. SOLE (BOTTOM) PLATE TO JOIST OR BLOCKING: 16d COMMON OR SHORT FACE NAIL AT 16" O.C.
- d. LOWER TOP PLATE TO STUD: (2) 16d COMMON FACE NAIL.
- e. STUD TO SOLE BOTTOM PLATE: (2) 16d SINKER OR SHORT FACE NAIL OR (4) 8d COMMON OR 16d SINKER OR SHORT TOE NAIL. AT 3x SILL PLATES, USE (2) 20d BOX FACE NAILS IN LIEU OF (2) 16d SINKER OR SHORT.
- f. DOUBLE STUDS, OR BUILT-UP STUDS TYPICAL STITCHING: 16d SINKER OR SHORT FACE NAILS AT 24" O.C.
- g. TOP PLATES AT INTERSECTION, FACE NAIL: (4) 16d COMMON FACE NAIL.
- h. TOP PLATES TYPICAL STITCHING: 16d SINKER OR SHORT FACE NAILS AT 16" O.C.
- i. UPPER TOP PLATES AT LAPS: (8) 16d SINKER OR SHORT FACE NAIL EACH SIDE OF BUTT JOINT.
- j. RIM JOIST TO UPPER TOP PLATE OR MUD SILL: 8d COMMON OR 16d SINKER OR SHORT TOE NAILS AT 6" O.C.
- k. CEILING JOIST TO PLATE, TOE NAILS: (3) 8d COMMON OR 16d SINKER OR SHORT TOE NAILS.
- l. CEILING JOIST, LAP OVER WALLS AND PARTITION: (3) 16d COMMON FACE NAILS.
- m. CEILING JOIST, PARALLEL RAFTERS: (3) 16d COMMON FACE NAILS.
- n. RAFTER TO PLATE, TOE NAILS: (3) 8d COMMON OR 16d SINKER OR SHORT TOE NAILS.
- o. BUILT-UP CORNER STUDS: 16d COMMON FACE NAILS AT 24" O.C.
- p. THREE PIECE BUILT UP GIRDER AND BEAM: 16d AT 12" O.C. AT TOP AND AT BOTTOM. (3) 16d AT EACH END.
2. ALL NAILING NOT SPECIFICALLY CALLED OUT ON PLANS SHALL BE PER TYPICAL DETAILS, TABLE 2304.9.1 OF THE 2013 CBC AND SCHEDULE ABOVE.
3. TYPICAL NAIL SIZE:
- | SIZE       | LENGTH | SHANK DIAMETER |
|------------|--------|----------------|
| 8d COMMON  | 2 1/2" | 0.131"         |
| 10d COMMON | 3"     | 0.148"         |
| 16d COMMON | 3 1/2" | 0.162"         |
| 20d COMMON | 4"     | 0.192"         |

Deferred Submittals

1. IN ACCORDANCE WITH THE IBC SECTION 107.3.4.1, SPECIALTY ITEMS, PRE-ENGINEERED COMPONENTS, AND DESIGN/BUILD ELEMENTS MAY BE SUBMITTED FOR APPROVAL BY THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL BY DEFERRED SUBMITTAL. SUCH ITEMS ARE DEFINED AS THOSE SPECIFIED IN CONSTRUCTION DOCUMENTS BUT WHICH REQUIRE DESIGN BY THE MANUFACTURER, SUPPLIER OR INSTALLER.
2. DEFERRED SUBMITTALS ARE REQUIRED FOR THE FOLLOWING:  
• WOOD TRUSSES  
• EXTERIOR LIGHTING POLES AND FOUNDATIONS
3. SUBMITTALS SHALL INCLUDE:  
A. CALCULATIONS, PREPARED AND SEALED BY AN APPROPRIATELY REGISTERED ENGINEER (THE "SPECIALTY ENGINEER").  
B. DIAGRAM PREPARED AND SEALED BY THE SPECIALTY ENGINEER, SHOWING LOAD MAGNITUDES AND LOCATIONS - SEPARATED INTO DEAD, LIVE, WIND AND/OR SEISMIC COMPONENTS - THAT ARE APPLIED TO THE PRIMARY STRUCTURE.  
C. ERECTION AND/OR DESIGN DRAWINGS BEARING THE SPECIALTY ENGINEER'S SEAL AND THE ENGINEER OF RECORD'S SHOP DRAWING STAMP INDICATING HIS REVIEW.
4. SUBMIT ONE (1) WET SEALED COPY FOR THE STRUCTURAL ENGINEER OF RECORD'S FILE. AND ADDITIONAL COPIES AS ARE NECESSARY FOR THE BUILDING DEPARTMENT. SUBMITTALS CONTAINING EXCEPTIONS, CORRECTIONS, OR OTHER REVIEW COMMENTS ARE NOT ACCEPTABLE FOR SUBMITTAL TO THE BUILDING DEPARTMENT.
5. THE STRUCTURAL ENGINEER OF RECORD'S REVIEW IS STRICTLY LIMITED TO THE FOLLOWING:  
A. THE DRAWINGS AND CALCULATIONS ARE PROPERLY SEALED.  
B. THE LOAD CRITERIA IS CONSISTENT WITH THE CONTRACT DOCUMENTS AND UNIFORM BUILDING CODE REQUIREMENTS.  
C. THE CONNECTIONS TO THE PRIMARY STRUCTURE ARE CONSISTENT WITH THE PRIMARY DESIGN.  
D. THE BASE STRUCTURE IS CAPABLE OF SUPPORTING THE IMPOSED LOADS.
6. IF THE LOADS IMPOSED ON THE STRUCTURE EXCEED THE LOAD ALLOWANCE PROVIDED, THE STRUCTURAL ENGINEER OF RECORD WILL REJECT THE SUBMITTAL. ONLY AT THE OWNER'S WRITTEN DIRECTION WILL MODIFICATIONS TO THE BASE STRUCTURE TO ACCOMMODATE THE SPECIALTY ITEM(S) BE MADE BY THE ENGINEER OF RECORD. DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL HAVE APPROVED SUBMITTAL DOCUMENTS.

PREPARED BY:

SIGNED BY:



COA # 2012012048

DATE: 02/21/2022

NAME:

LICENSE NUMBER:

PRYOR RD AND LOWENSTEIN DR.

908 NW PRYOR RD  
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EBI JOB #4121000082		
ISSUE	DATE	DESCRIPTION



PRYOR RD AND LOWENSTEIN DR.

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GENERAL NOTES

02/21/2022

SHEET

S0.1



Quality Assurance and  
Special Inspection

1.

TESTING LABORATORY: RETAINED BY OWNER AND SATISFACTORY TO ARCHITECT/STRUCTURAL ENGINEER AND LOCAL JURISDICTION TO PERFORM REQUIRED TESTS AND INSPECTIONS OF THIS CONTRACT AND APPLICABLE CODE.
2.

MATERIAL CERTIFICATION: SUBMIT LABORATORY TEST REPORTS CERTIFYING MATERIALS ARE OF IDENTIFIABLE TESTED STOCK TO OWNER, TESTING LABORATORY, ARCHITECT/STRUCTURAL ENGINEER AND, UPON REQUEST, TO LOCAL JURISDICTION. IF LABORATORY TEST REPORTS CANNOT BE MADE AVAILABLE, TESTING LABORATORY WILL PERFORM TESTS AS DIRECTED BY ARCHITECT/STRUCTURAL ENGINEER. CONTRACTOR SHALL PAY TESTING LABORATORY FOR COSTS RELATED TO TESTS AND INSPECTIONS OF UNIDENTIFIABLE MATERIALS OR MATERIALS FURNISHED WITHOUT LABORATORY TEST REPORTS, MATERIALS FOUND DEFICIENT AFTER INITIAL TESTS AND INSPECTIONS, OR MATERIALS REPLACING DEFICIENT MATERIALS.
3.

FABRICATOR MUST BE REGISTERED AND APPROVED BY LOCAL JURISDICTION FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP.
4.

THE SPECIAL INSPECTIONS IDENTIFIED ON THIS SHEET ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A BUILDING INSPECTOR LICENSED BY THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.

A.

QUALITY ASSURANCE FOR SEISMIC RESISTANCE:  
SPECIAL INSPECTION IN ACCORDANCE WITH THE REQUIREMENTS OF IBC SECTION 1704, 1707, AND STRUCTURAL TESTING IN ACCORDANCE WITH THE REQUIREMENTS OF IBC SECTION 1708 SHALL BE REQUIRED FOR:

•

ALL SEISMIC FORCE RESISTING SYSTEMS (I.E. SHEARWALLS)

•

ALL DIAPHRAGMS SHOWN ON PLAN SHEETS.

•

ALL CHORD AND DRAG MEMBERS DENOTED ON PLAN.

B.

A QUALIFIED AND APPROVED THIRD PARTY INSPECTION AND TESTING AGENCY IN ACCORDANCE WITH IBC 1710.1, ANY DEFICIENCIES OR DISCREPANCIES FROM THAT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE REPORTED TO THE ENGINEER OF RECORD.

C.

THE TYPE AND FREQUENCY OF SPECIAL INSPECTION, STRUCTURAL TESTING AND SUBSEQUENT REPORTING CONFORMING TO THE REQUIREMENTS OF IBC SECTION 1704, 1707, AND 1708 SHALL BE SUBMITTED BY THE INSPECTION AND TESTING AGENCIES TO THE ARCHITECT/STRUCTURAL ENGINEER FOR APPROVAL.

D.

STRUCTURAL OBSERVATIONS AND SUBSEQUENT REPORTING OF GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS SHALL BE PERFORMED PERIODICALLY BY THE ENGINEER IN RESPONSIBLE CHARGE AT HIS/HER DISCRETION OR WHEN SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.

E.

QUALITY ASSURANCE FOR GENERAL CONSTRUCTION:  
SPECIAL INSPECTION IN ACCORDANCE WITH THE REQUIREMENTS OF IBC SECTION 1704 SHALL BE REQUIRED FOR THE FOLLOWING ELEMENTS OF GENERAL CONSTRUCTION.
- | IBC Table 1705.3   |              |            |          |  |                        |
|--|--------------|------------|----------|--|------------------------|
| REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION  |              |            |          |  |                        |
| VERIFICATION AND INSPECTION  | REQUIRED Y/N | CONTINUOUS | PERIODIC | REFERENCED STANDARD <sup>2</sup>             | IBC REFERENCE          |
| 1. Inspection of reinforcing steel, including prestressing tendons, and placement.   | Y            | —          | X        | ACI 318: 3.5, 7.1-7.7                        | 1910.4                 |
| 2. Inspection of reinforcing steel welding in accordance with Table 1705.2.2, Item 2b.   | Y            | —          | —        | AWS D1.4<br>ACI 318: 3.5.2                   | —                      |
| 3. Inspection of anchors cast in concrete where allowable loads have been increased or where strength design is used.  | Y            | —          | X        | ACI 318: 8.1.3, 21.1.8                       | 1908.5, 1909.1         |
| 4. Inspection of anchors post-installed in hardened concrete members <sup>2</sup>  | Y            | —          | X        | ACI 318: 3.8.6, 8.1.3, 21.1.8                | 1909.1                 |
| 5. Verifying use of required design mix.   | Y            | —          | X        | ACI 318: Ch. 4, 5.2-5.4                      | 1904.2, 1910.2, 1910.3 |
| 6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.  | Y            | X          | —        | ASTM C 172<br>ASTM C 31<br>ACI 318: 5.6, 5.8 | 1910.10                |
| 7. Inspection of concrete and shotcrete placement for proper application techniques.   | Y            | X          | —        | ACI 318: 5.9, 5.10                           | 1910.6, 1910.7, 1910.8 |
| 8. Inspection for maintenance of specified curing temperature and techniques.  | Y            | —          | X        | ACI 318: 5.11- 5.13                          | 1910.9                 |
| 9. Inspection of prestressed concrete:   | N            |            | —        | ACI 318: 18.20<br>ACI 318: 18.18.4           | —                      |
| a. Application of prestressing forces.   |              | X          |          |  |                        |
| b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.  |              | X          |          |  |                        |
| 10. Erection of precast concrete members.  | N            | —          | X        | ACI 318: Ch. 16                              | —                      |
| 11. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.  | N            | —          | X        | ACI 318: 6.2                                 | —                      |
| 12. Inspect formwork for shape, location and dimensions of the concrete member being formed.   | Y            | —          | X        | ACI 318: 6.1.1                               | —                      |
| For Sl: 1 inch = 25.4 mm.  |              |            |          |  |                        |
| <sup>1</sup> Where applicable, see also Section 1705.11, Special inspection for seismic resistance.  |              |            |          |  |                        |
| <sup>2</sup> Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with ACI355.2 or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work. |              |            |          |  |                        |
- | IBC Table 1705.6   |              |                               |                                 |
|--|--------------|-------------------------------|---------------------------------|
| REQUIRED VERIFICATION AND INSPECTIONS OF SOILS   |              |                               |                                 |
| VERIFICATION AND INSPECTION TASK   | REQUIRED Y/N | CONTINUOUS DURING TASK LISTED | PERIODICALLY DURING TASK LISTED |
| 1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.                   | Y            | —                             | X                               |
| 2. Verify excavations are extended to proper depth and have reached proper material.                                 | Y            | —                             | X                               |
| 3. Perform classification and testing of compacted fill materials.   | Y            | —                             | X                               |
| 4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill. | Y            | X                             | —                               |
| 5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.           | Y            | —                             | X                               |
- INNOVA

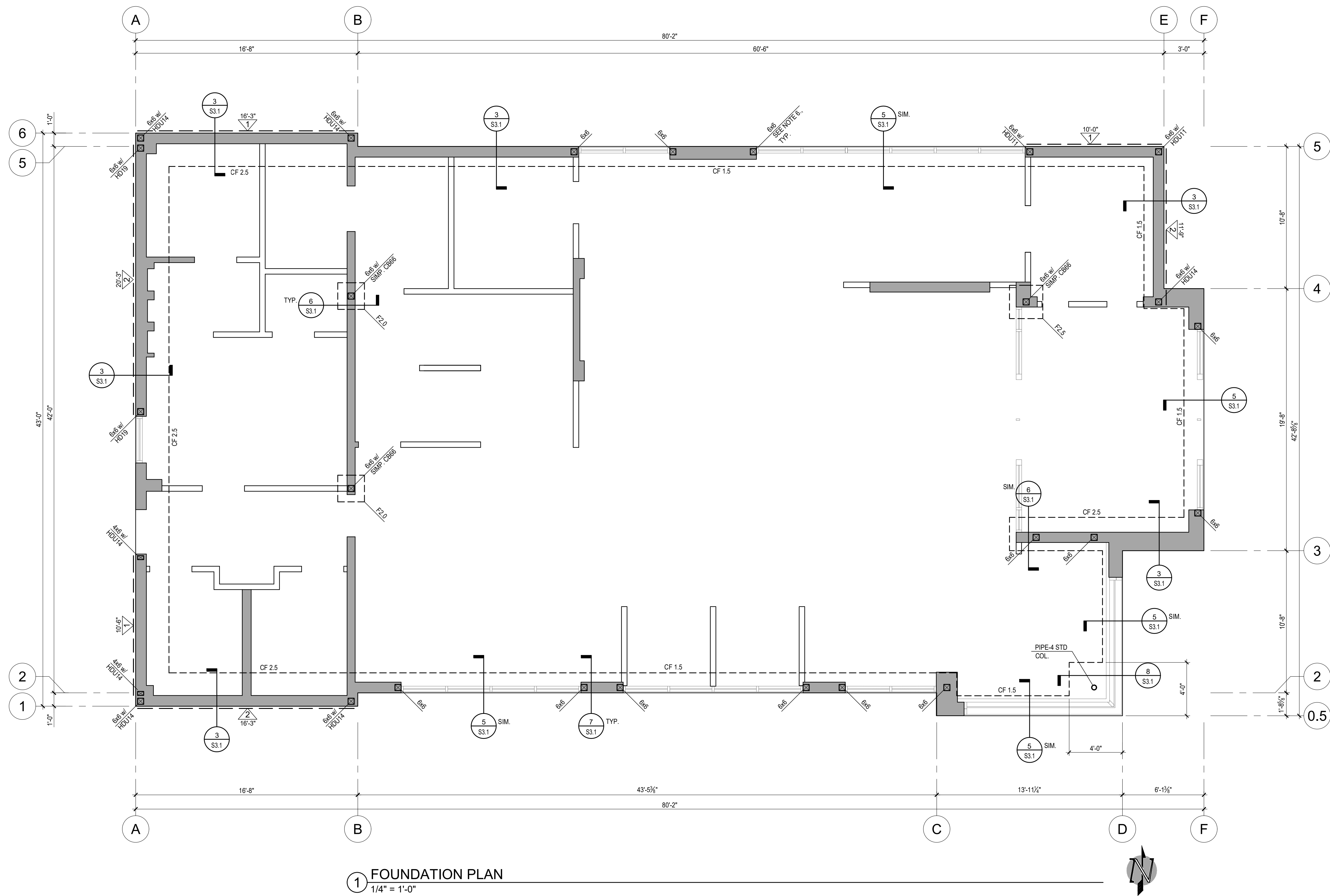
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- SHEET
- S0.2





1 FOUNDATION PLAN  
1/4" = 1'-0"

#### CONTINUOUS FOOTING (CF) SCHEDULE

MARK	WIDTH	LENGTH	THICKNESS	REINFORCING		REMARKS
				TOP	BOTTOM	
CF 1.5	1'-6"	CONT.	3'-0"	(2) #5 CONT.	(2) #5 CONT.	(2) #5 CONT. MID-HEIGHT
CF 2.5	2'-6"	CONT.	3'-0"	(2) #6 CONT.	(2) #6 CONT.	(2) #5 CONT. MID-HEIGHT

NOTE:  
1. ALL LONGITUDINAL REINFORCING SHALL DOWEL AROUND ALL CORNERS, BENDS AND INTERSECTIONS WITH MINIMUM CLASS B LAP SPLICES.

#### SPREAD FOOTING (F) SCHEDULE

MARK	SIZE	THICKNESS	REINFORCING		REMARKS
			TOP	BOTTOM	
F2.0	2'-0" x 2'-0"	2'-0"	(4) #5 E.W.	(4) #5 E.W.	

#### HOLDOWN SCHEDULE

HOLDOWN TYPE	MANUFACTURER	MIN. POST SIZE	FASTENERS	ANCHOR BOLT	
				TYPE	EMBED.
HDU11	SIMPSON STRONG-TIE	SEE PLAN	(30) SDS 1/4"x2 1/2"	SB 1 x 30	24"
HDU14	SIMPSON STRONG-TIE	SEE PLAN	(36) SDS 1/4"x2 1/2"	SB 1 x 30	24"
HD19	SIMPSON STRONG-TIE	SEE PLAN	(5) 1"Ø MACHINE BOLTS	PAB10-36	14"

NOTE:  
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.  
2. HOLDOWN TO FOUNDATION DETAILS, SEE 1/S3.1 AND 2/S3.1.  
3. HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLDOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS ON THE POST ON THE OPPOSITE SIDE OF THE ANCHORAGE DEVICE. PLATE SIZE SHALL BE A MINIMUM OF 0.299"x3" x 0'-3".  
4. HOLDOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.

#### PLYWOOD / OSB SHEAR WALL (SW) SCHEDULE

TYPE	SHEATHING	FIELD NAILING (F.N.) & EDGE NAILING (E.N.)	SILL PLATE	5/8" x 7" EMBED. F1554 A36 A.B. SPACING	REMARKS	ALLOWABLE UNIT SHEAR (SEE NOTES 6 & 7)	
						SEISMIC	WIND
1 LENGTH	15/32" STRUCT I	10d @ 4" O.C. E.N. & @ 12" O.C. F.N.	2x	36" O.C.	SEE NOTES 1, 2, 3 & 4	510 PLF	715 PLF
2 LENGTH	15/32" STRUCT I	10d @ 3" O.C. E.N. & @ 12" O.C. F.N.	2x	24" O.C.	SEE NOTES 1, 2, 3 & 4	665 PLF	930 PLF

NOTES:  
1. FRAMING AT ADJOINING PANEL EDGES SHALL BE 2" NOMINAL OR WIDER.  
2. ALL ANCHOR BOLTS IN SHEAR WALLS WITH 2x SILL PLATES SHALL HAVE 0.299"x3"x0'-3" PLATE WASHER.  
3. SEE S4.0 FOR TYPICAL SHEATHING DETAILS AND ELEVATIONS.  
4. FOR ANCHORAGE, SEE 6/S3.0.  
5. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL OR WIDER AND NAILS AT ALL PANEL EDGES SHALL BE STAGGERED.  
6. ALLOWABLE UNIT SHEAR IS PER AWC SDPWS-15 TABLE 4.3A. FOR SHEAR WALLS WITH ASPECT RATIOS GREATER THAN 2:1, THE SEISMIC ALLOWABLE UNIT SHEAR WALL SHALL BE MULTIPLIED BY TWO TIMES THE WALL WIDTH DIVIDED BY THE WALL HEIGHT, 2b/h.  
7. ALLOWABLE UNIT LOADS HAVE BEEN REDUCED BY THE ASD REDUCTION FACTOR PER SDPWS-15 SECTION 4.3.3.

#### FOUNDATION NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- SLAB ON GRADE SHALL BE 5" THICK WITH #4 AT 24" O.C. EACH WAY. 2" CLEAR FROM TOP OF SLAB. FOR METHOD OF PLACING SLAB ON GRADE, SEE 7/S2.0. FOR SLAB JOINT LAYOUT, DEPRESSIONS, SLAB EDGE, ETC., SEE ARCHITECTURAL DRAWINGS.
- VERIFY ALL TOP OF SLAB ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
- SEE DETAIL 7/S3.1 FOR WOOD POST WITHOUT HOLDOWN AT EXTERIOR FOOTING, U.N.O.
- FOR TYPICAL FOUNDATION DETAILS, SEE SHEET S3.0. FOR TYPICAL WOOD FRAMING DETAILS, SEE SHEET S4.0. FOR GENERAL NOTES, SEE SHEETS S0.0, S0.1, AND S0.2.
- IN LIEU OF 6x6 HEADER POSTS INDICATED ON PLAN, (3) 2x6 KING STUDS MAY BE USED WHEN POST DOES NOT DOUBLE AS SHEAR WALL CHORD.

#### FOUNDATION LEGEND:

- CFX.X CONTINUOUS FOOTING, SEE CONTINUOUS FOOTING SCHEDULE.
- 2x6 WOOD STUD WALL FULL-HEIGHT AT 16" O.C., PER ARCH.
- 2x4 WOOD STUD WALL AT 16" O.C., PER ARCH.
- INDICATES SHEAR WALL, SEE SCHEDULE.
- POST SIZE, SEE PLAN
- INDICATES HOLDOWN, SEE SCHEDULE.

SIGNED BY:



COA # 2012012048

DATE: 02/21/2022

NAME:

LICENSE NUMBER:

PRYOR RD AND LOWENSTEIN DR.

908 NW PRYOR RD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000082

ISSUE	DATE	DESCRIPTION



PRYOR RD AND  
LOWENSTEIN DR.

CONTENTS

FOUNDATION PLAN

02/21/2022

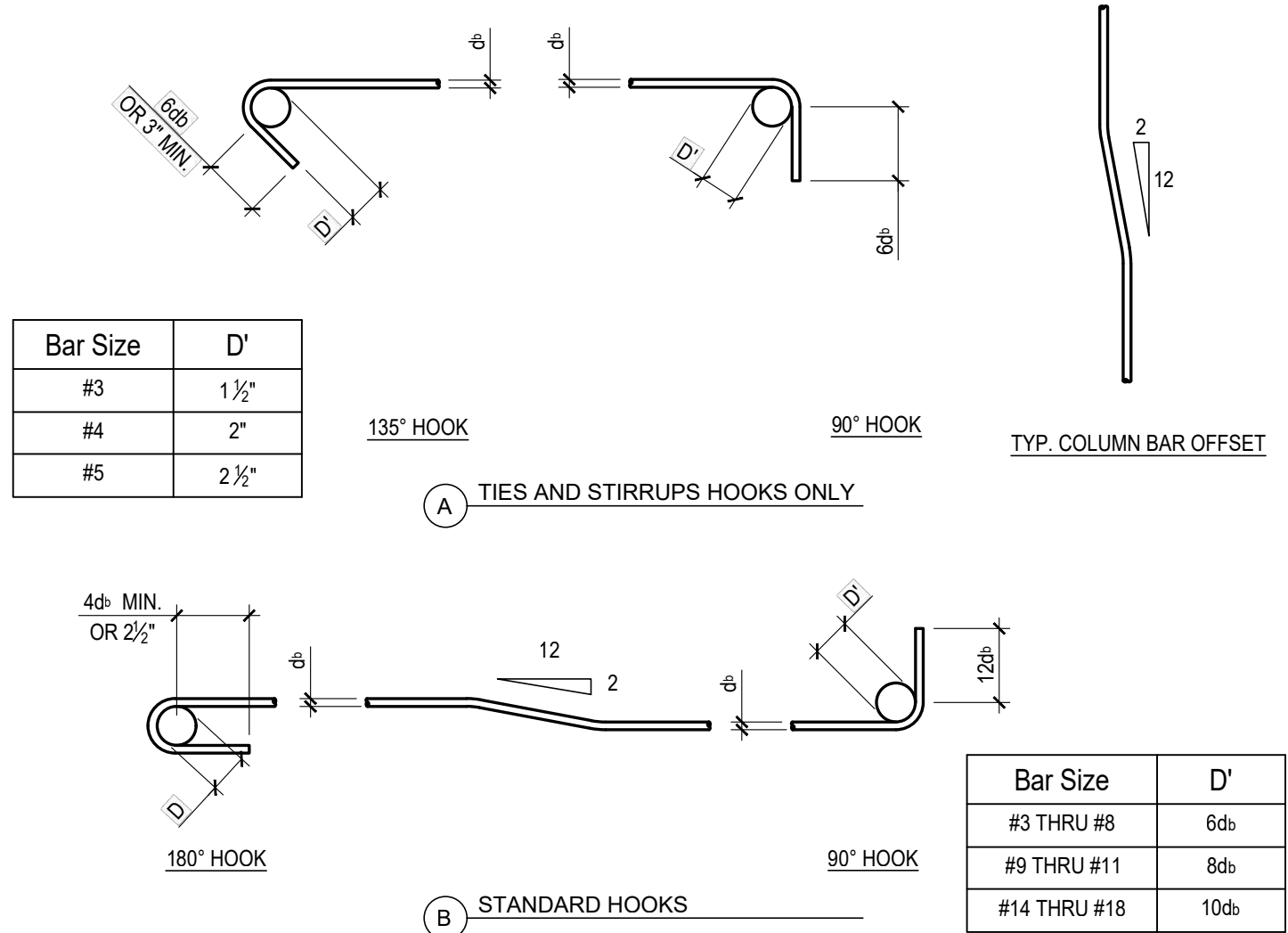
SHEET

S1.0



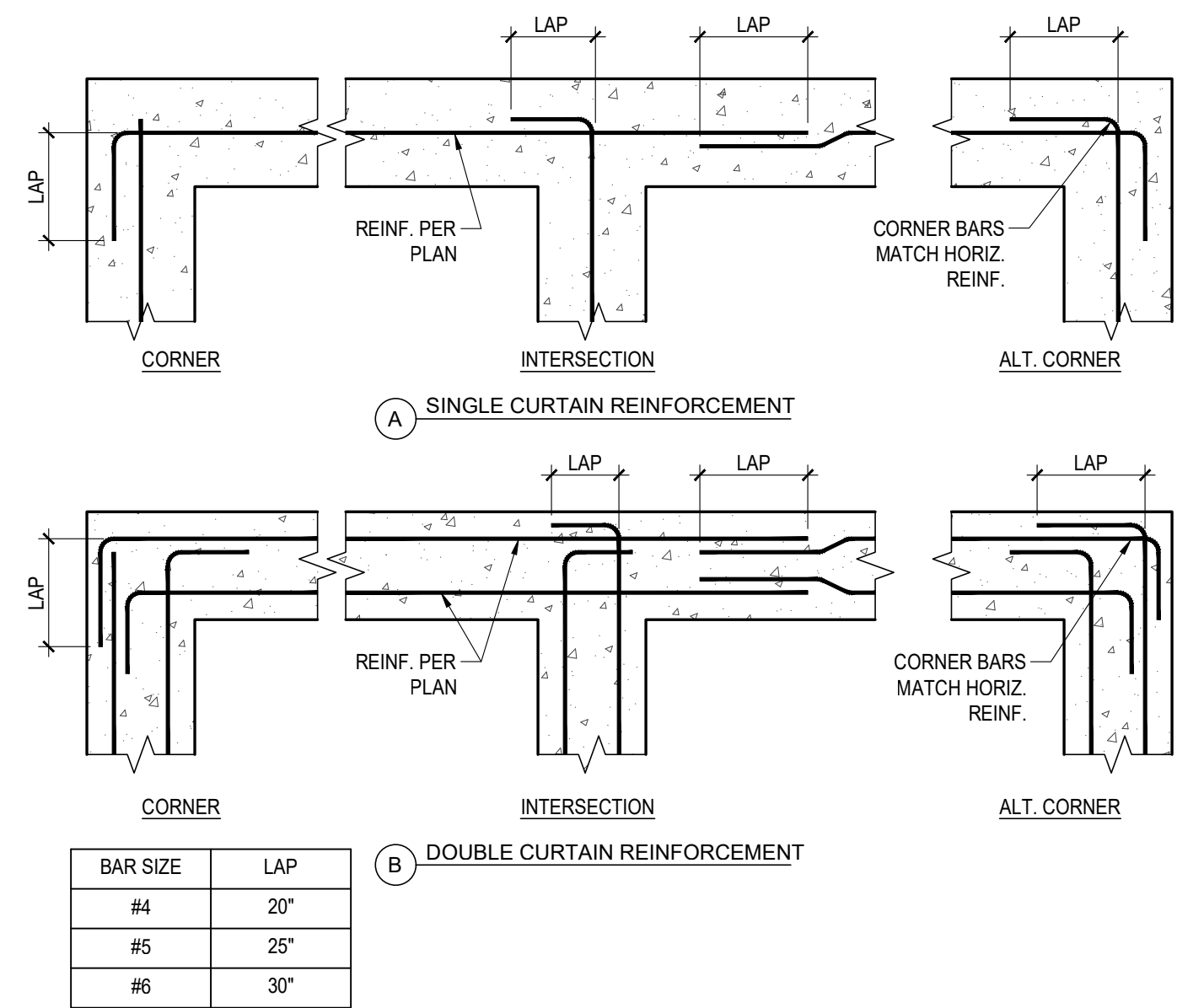




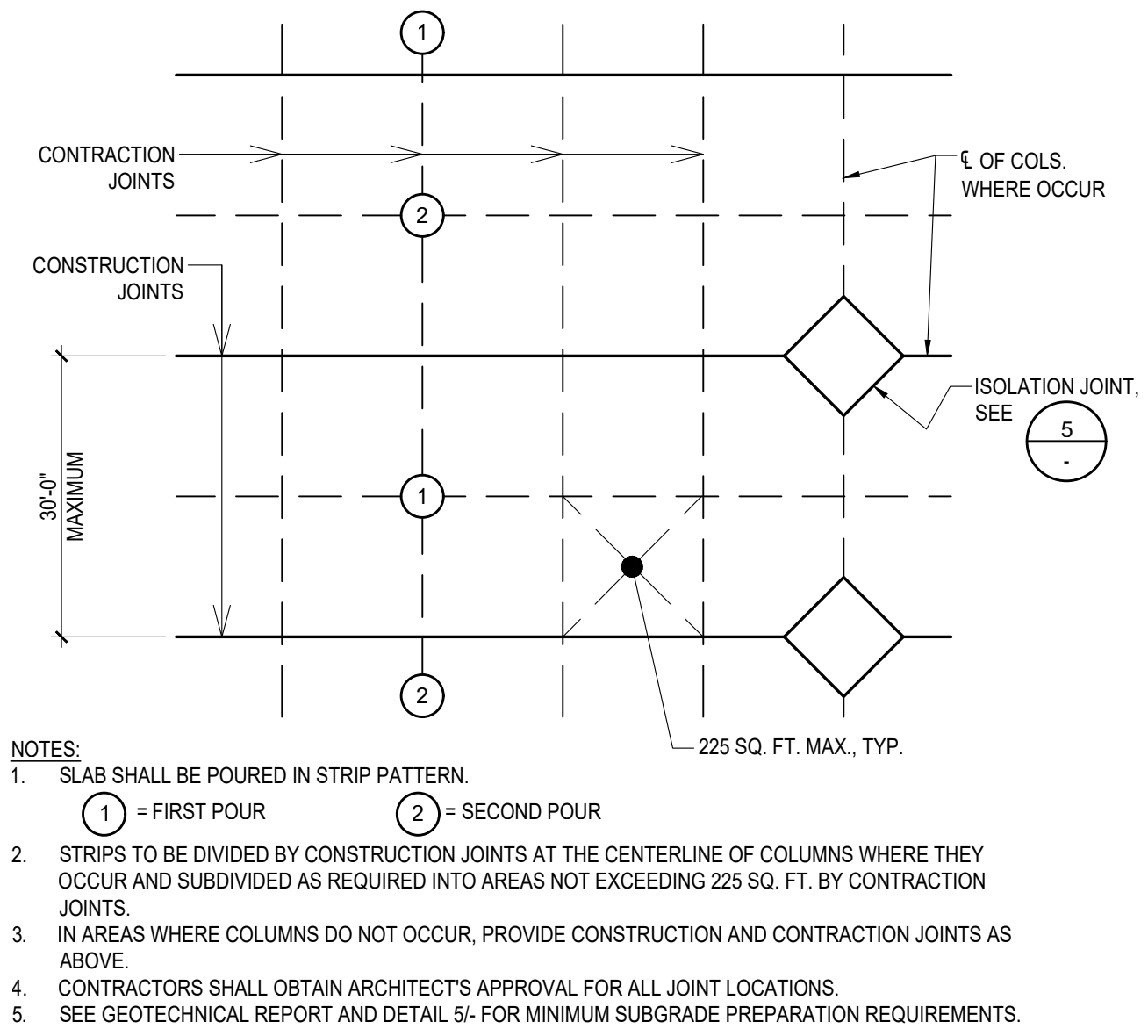


- NOTES:
- ALL BENDS SHALL BE MADE COLD.
  - #14 AND #18 BARS SHALL BE BEND TESTED AND LAB APPROVED PRIOR TO BENDING.

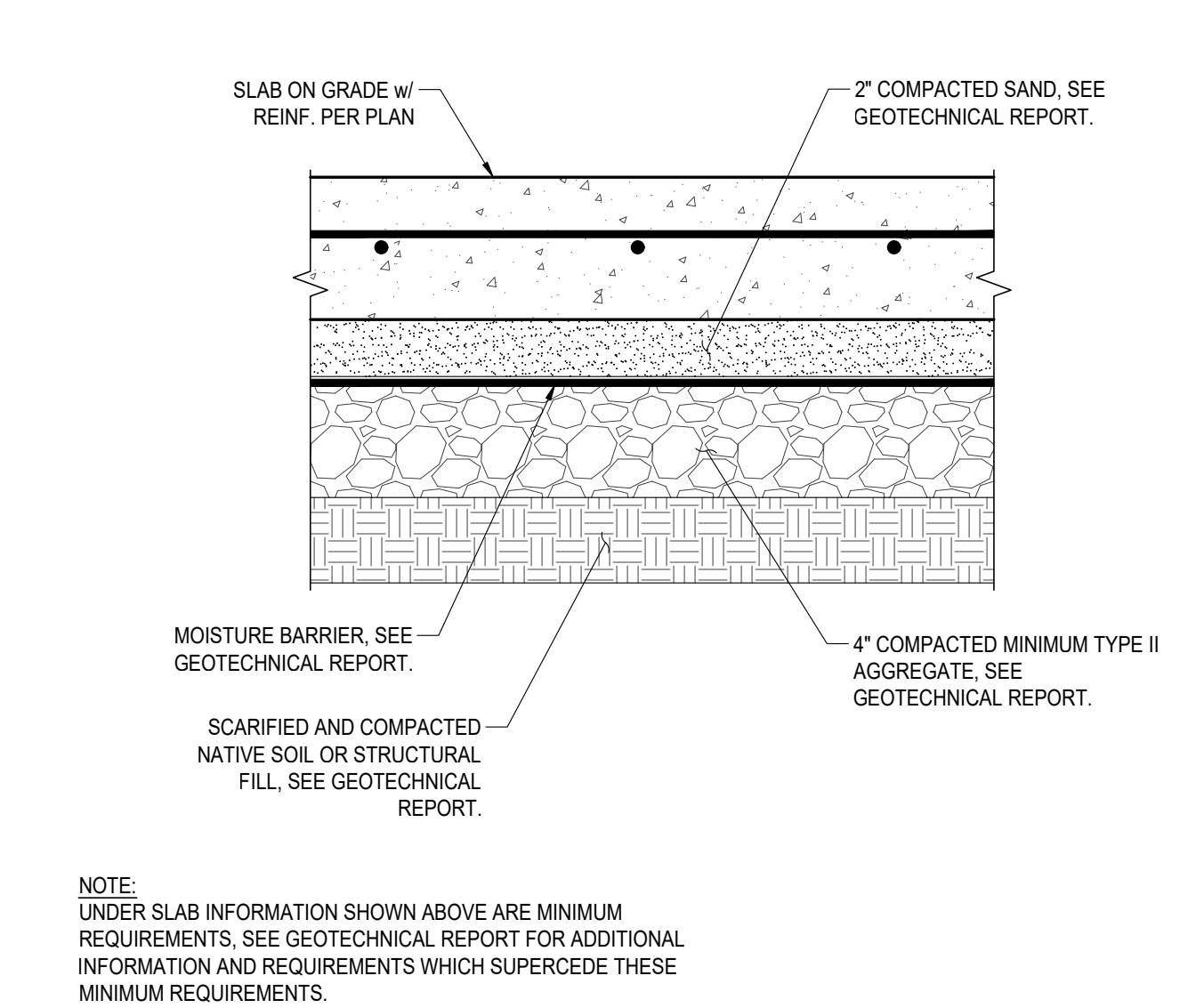
1 TYPICAL REINFORCING BAR BENDS  
SCALE: N.T.S.



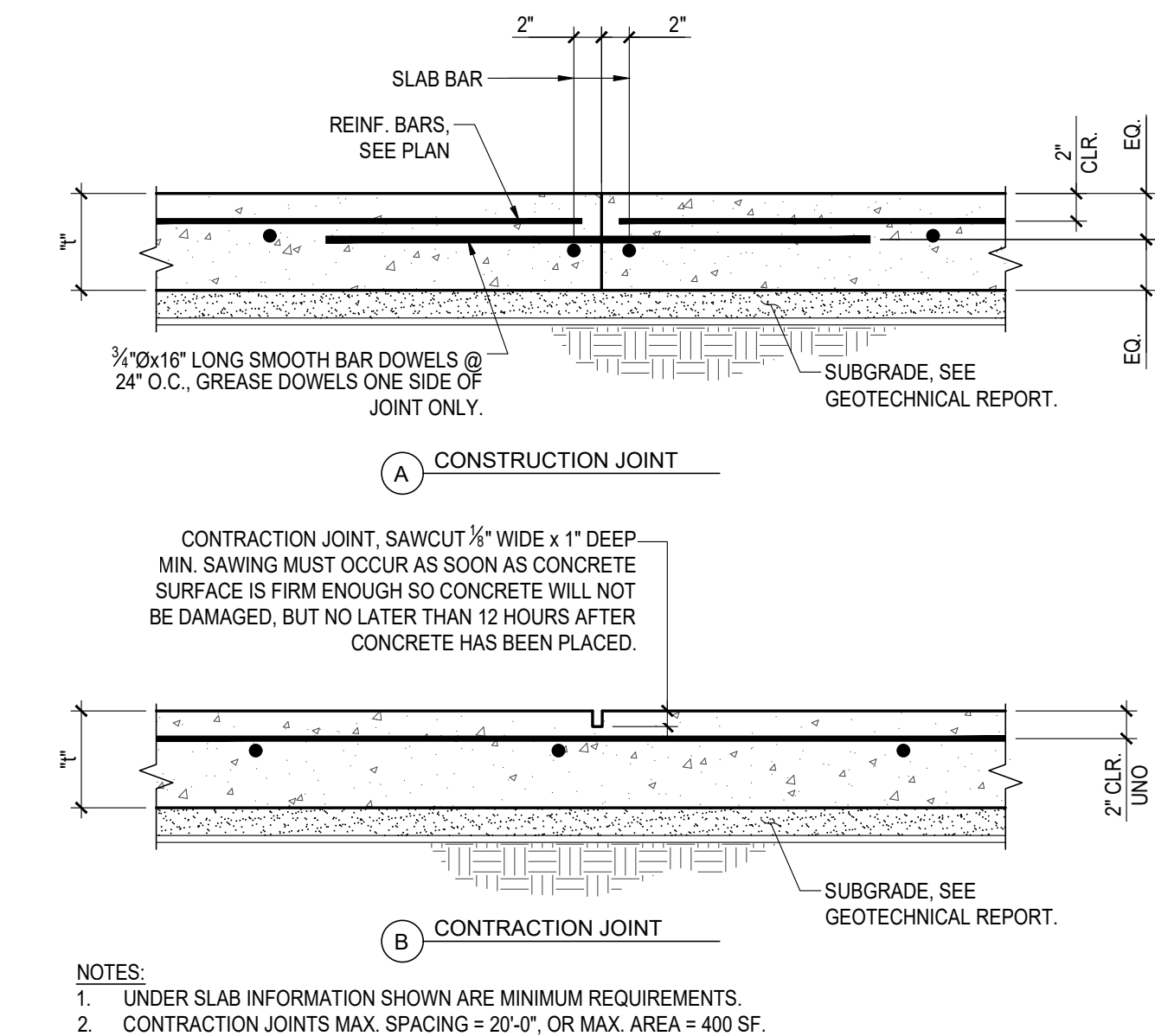
2 TYPICAL REINFORCEMENT LAP AT FOOTING  
SCALE: N.T.S.



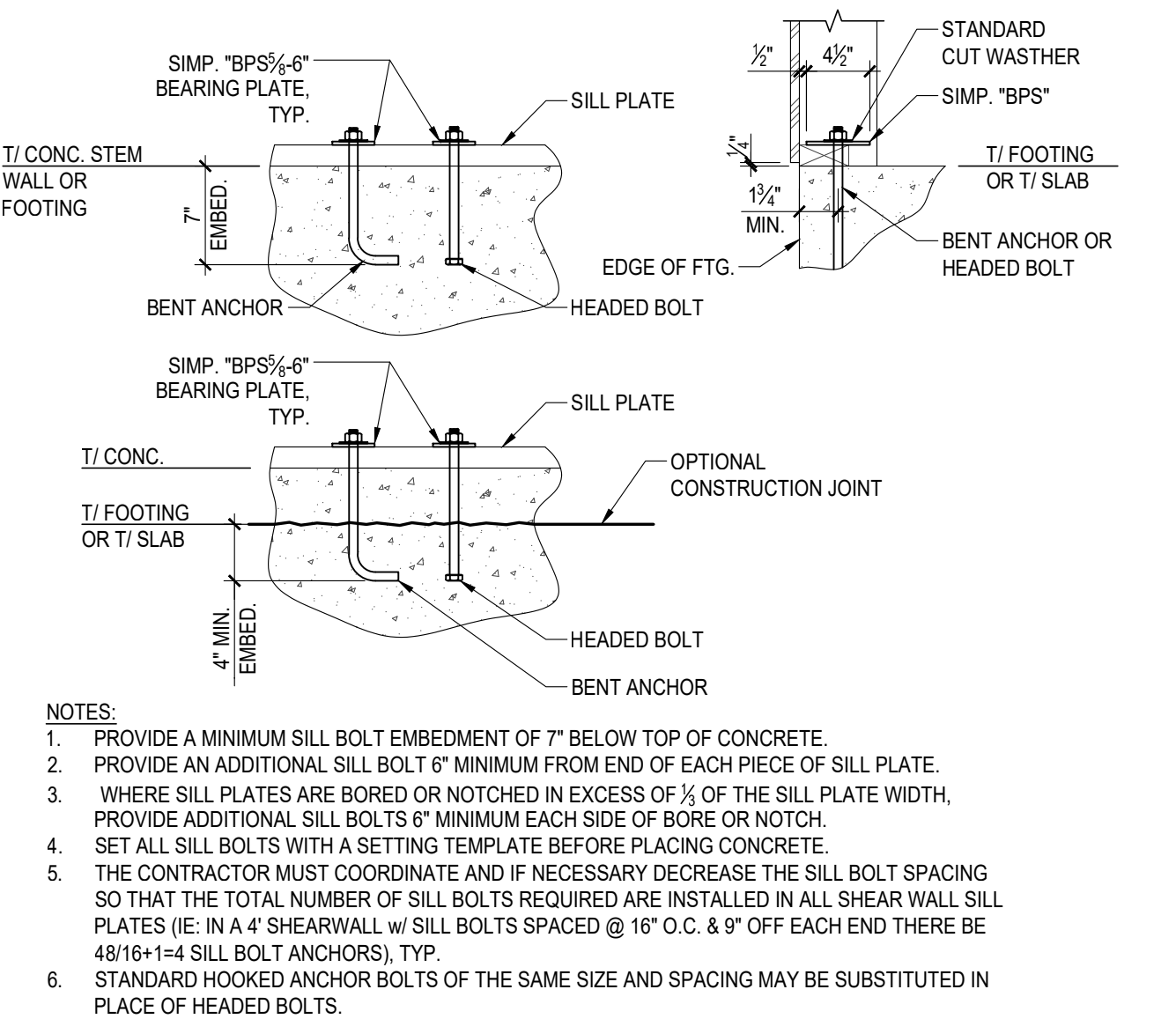
3 METHOD OF PLACING SLAB ON GRADE  
SCALE: N.T.S.



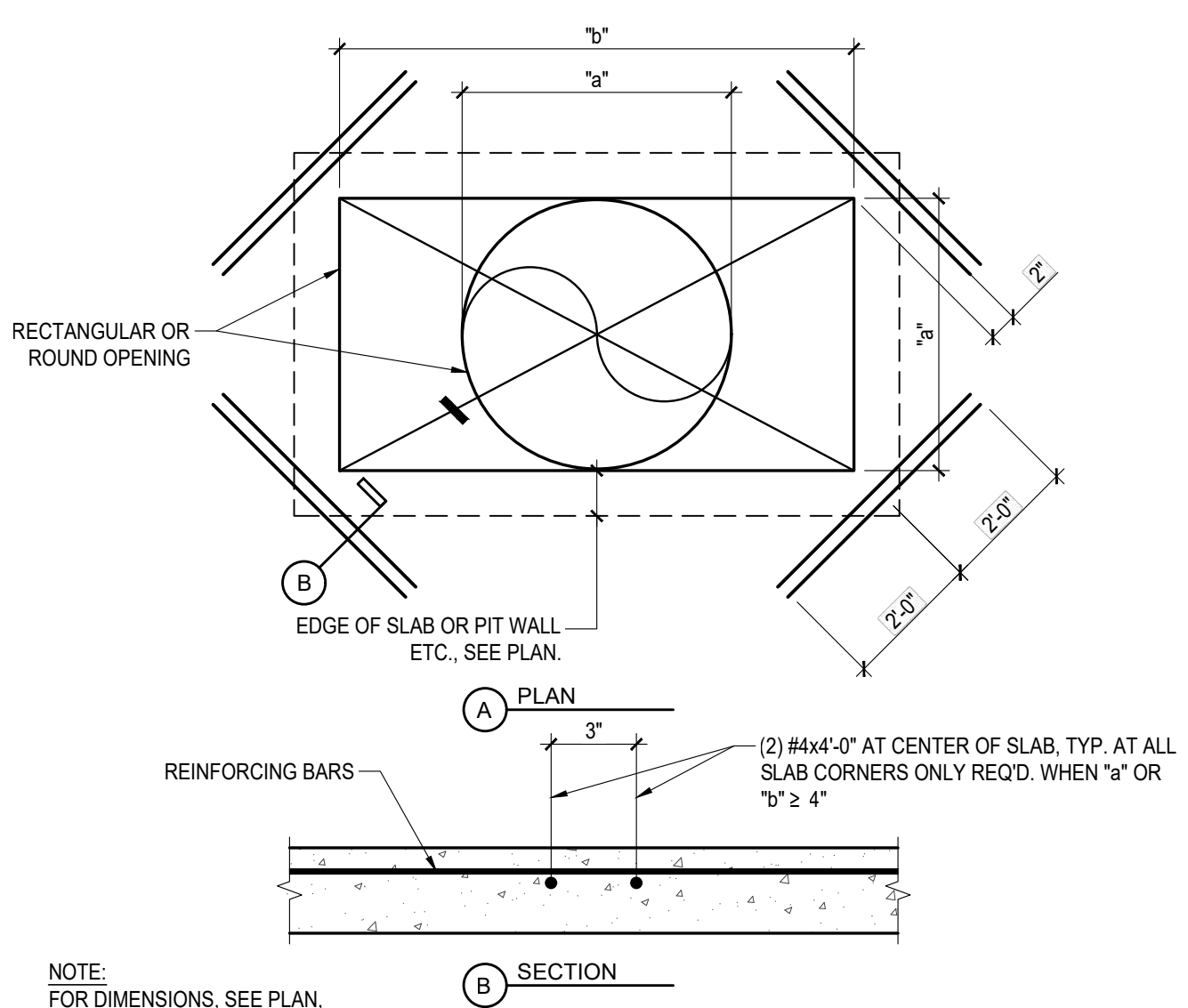
4 TYPICAL SLAB ON GRADE - SUBGRADE DETAIL  
SCALE: N.T.S.



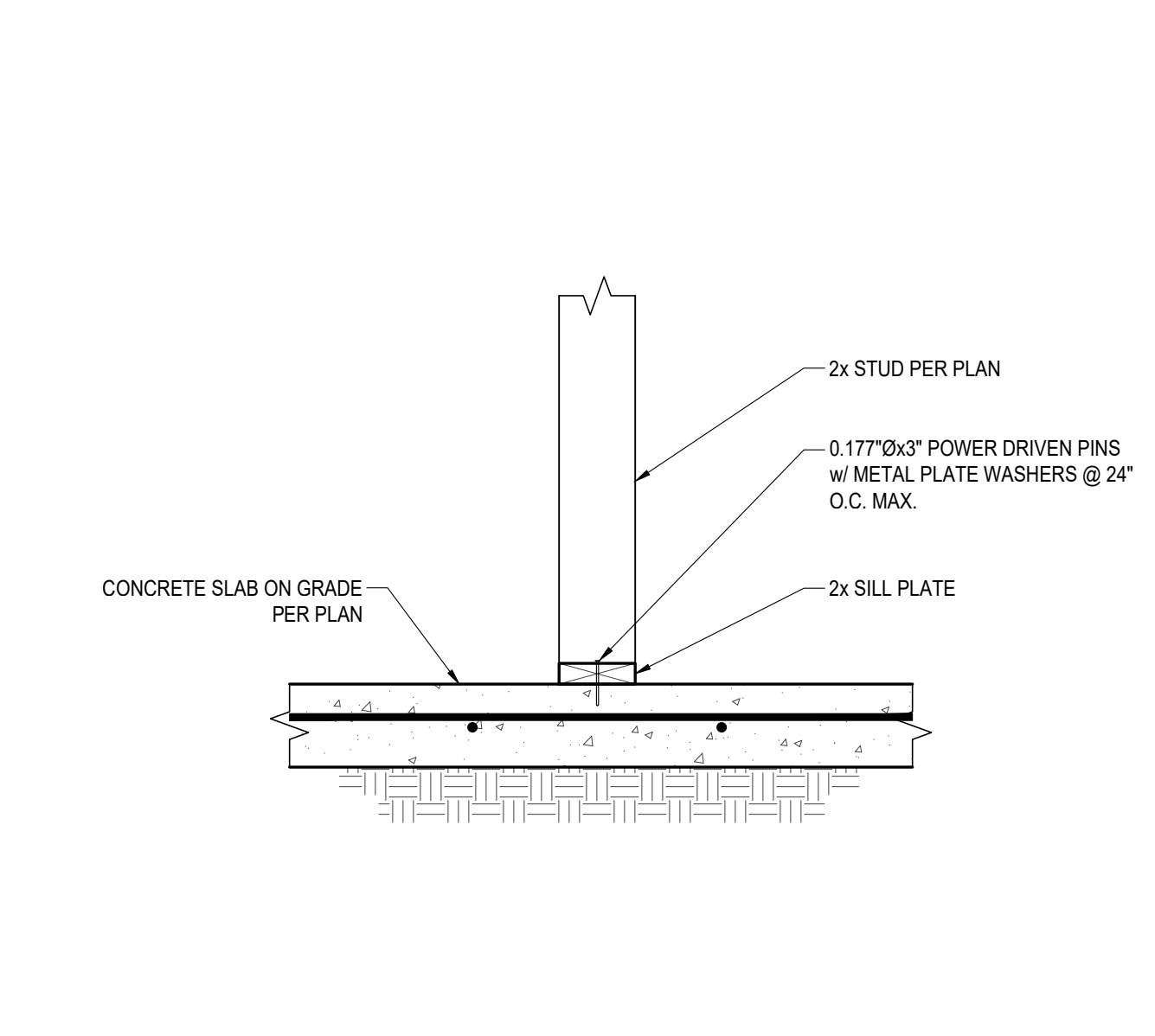
5 TYPICAL SLAB JOINT DETAILS  
SCALE: N.T.S.



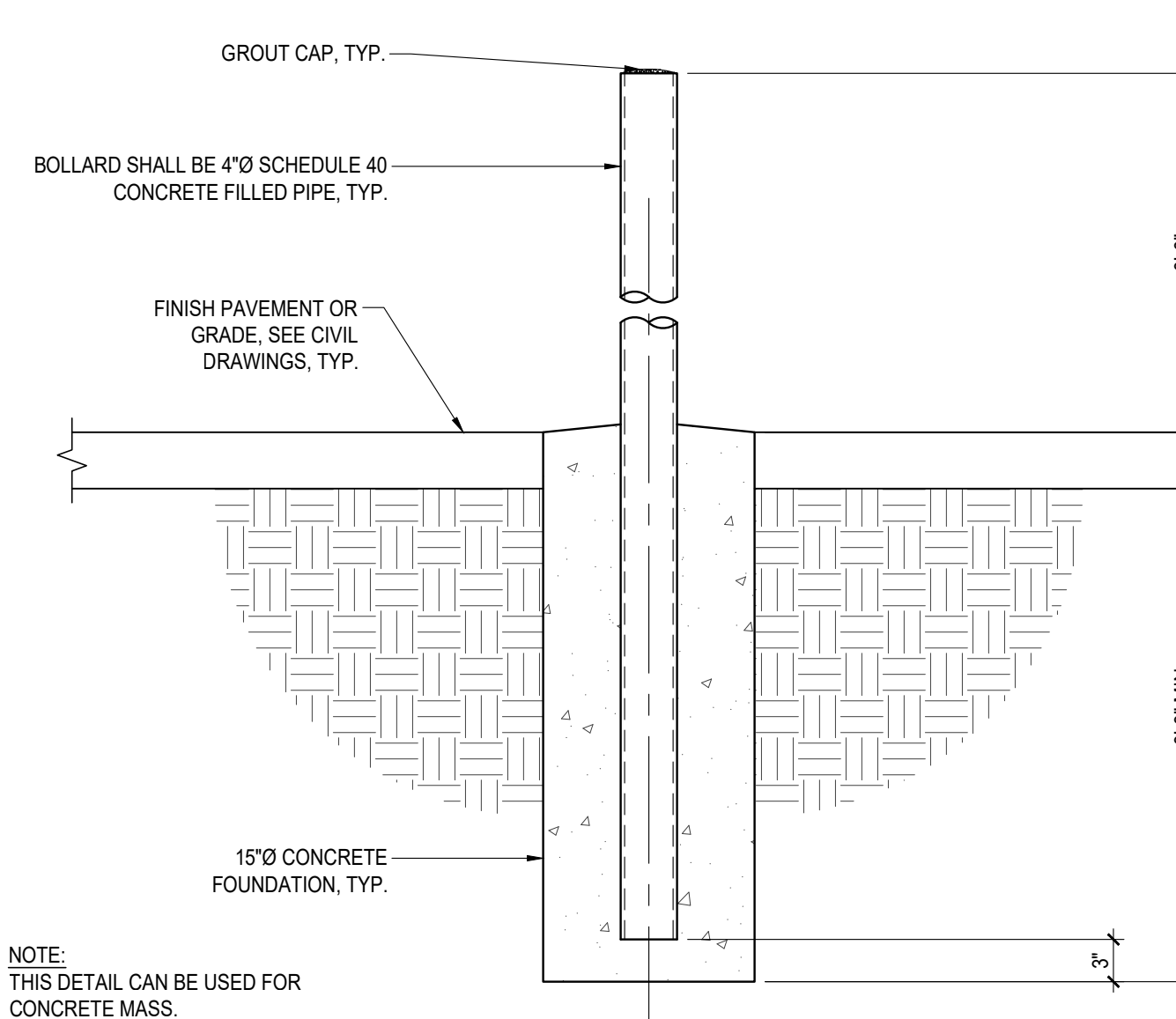
6 TYP. ANCHOR BOLTS EMBEDMENT  
SCALE: N.T.S.



7 TYPICAL OPENING IN SLAB ON GRADE  
SCALE: 1" = 1'-0"



8 TYP. NON-BEARING STUD WALL TO FOUNDATION  
SCALE: N.T.S.



9 TYPICAL BOLLARD DETAIL  
SCALE: 1" = 1'-0"

$f_c = 4000 \text{ PSI or } 4500 \text{ PSI}$

BAR	TOP BARS		OTHER BARS	
	CASE 1	CASE 2	CASE 1	CASE 2
#3	19	28	15	22
#4	25	37	19	29
#5	31	47	24	36
#6	37	56	29	43
#7	54	81	42	63
#8	62	93	48	71
#9	70	105	54	81
#10	79	118	61	91
#11	87	131	67	101
#14	105	157	81	121
#18	139	209	107	161

- NOTES:
- THIS TABLE FOR USE WITH NORMAL WEIGHT HARDROCK CONCRETE AND GRADE 60 UNCOATED REINFORCING BARS. FOR LIGHTWEIGHT AGGREGATE USE  $1.3 l_d$ .  $l_d$  = TENSION DEVELOPMENT LENGTH SHOWN AT THIS TABLE.
  - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST IN THE MEMBER BELOW THE BAR.
  - FOR BARS ENCLOSED IN STANDARD COLUMN SPIRALS, USE  $0.75 l_d$  OR 12" MIN.
  - TENSION DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITH A BUNDLE SHALL BE  $1.2 l_d$  FOR THAT BAR IN A 3-BAR BUNDLE AND  $1.33 l_d$  FOR A 4-BAR BUNDLE.
  - COMPRESSION DEVELOPMENT LENGTH (ONLY WHERE INDICATED ON DRAWINGS) FOR GRADE 60 BARS USE 22 BAR DIAMETERS.
  - CASES 1 AND 2 ARE DEFINED AS FOLLOWS:  
CASE 1: COVER AT LEAST 1.0 db AND CENTER TO CENTER SPACING AT LEAST 2.0 db.  
CASE 2: COVER LESS THAN 1.0 db OR CENTER TO CENTER SPACING LESS THAN 2.0 db.  
ALL OTHER MEMBERS  
CASE 1: COVER AT LEAST 1.0 db AND CENTER TO CENTER SPACING AT LEAST 3.0 db.  
CASE 2: COVER LESS THAN 1.0 db OR CENTER TO CENTER SPACING LESS THAN 3.0 db.

10 TENSION DEVELOPMENT LENGTH (FOR CONCRETE ONLY)  
SCALE: N.T.S.

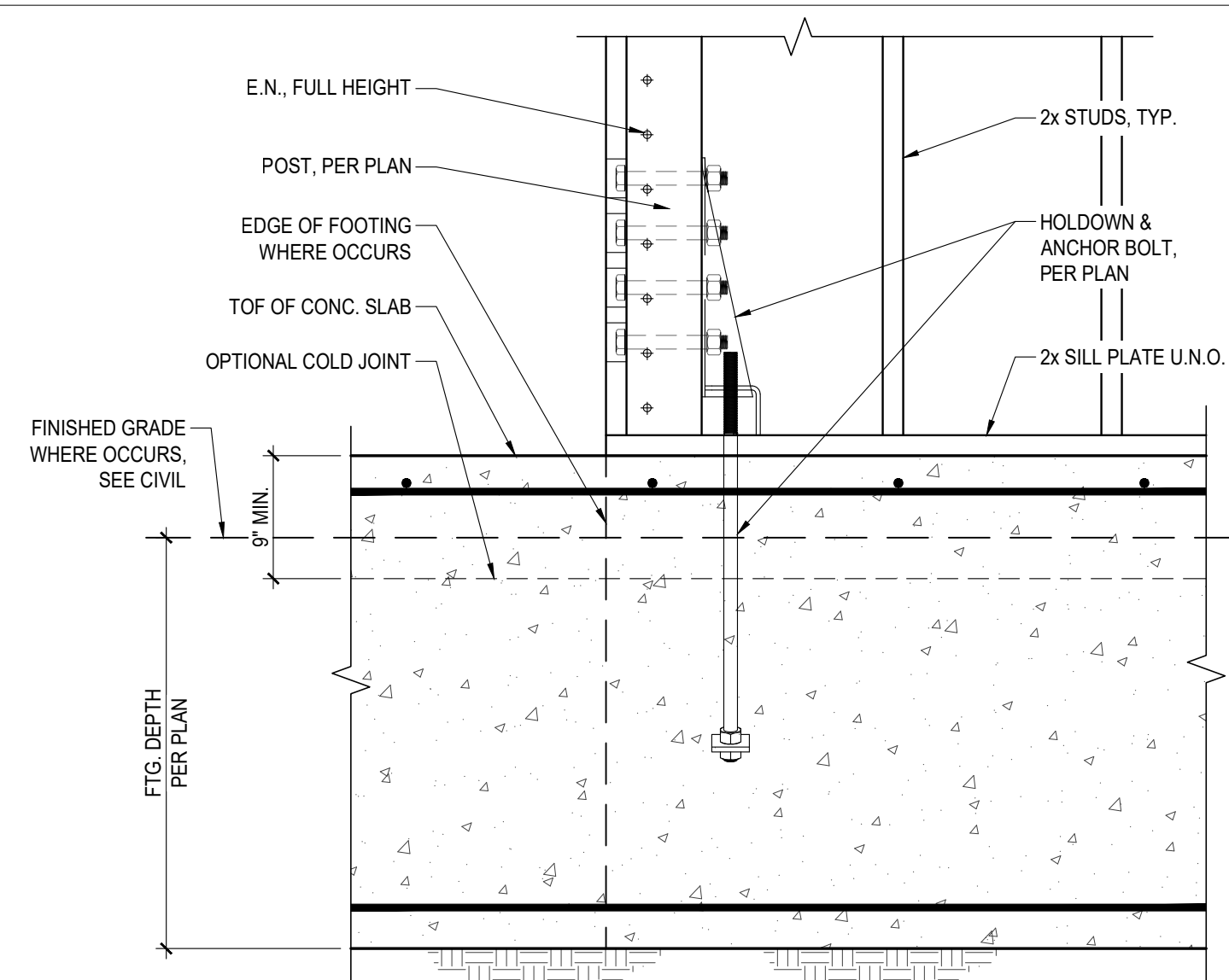
$f_c = 4000 \text{ PSI}$

BAR SIZE	LAP CLASS	TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	19	28	15	22
	B	24	36	19	28
#4	A	25	37	19	29
	B	32	48	25	37
#5	A	31	47	24	36
	B	40	60	31	47
#6	A	37	56	29	43
	B	48	72	37	56
#7	A	54	81	42	63
	B	70	106	54	81
#8	A	62	93	48	71
	B	80	121	62	93
#9	A	70	105	54	81
	B	91	136	70	105
#10	A	79	118	61	91
	B	102	153	79	118
#11	A	87	131	67	101
	B	113	170	87	131

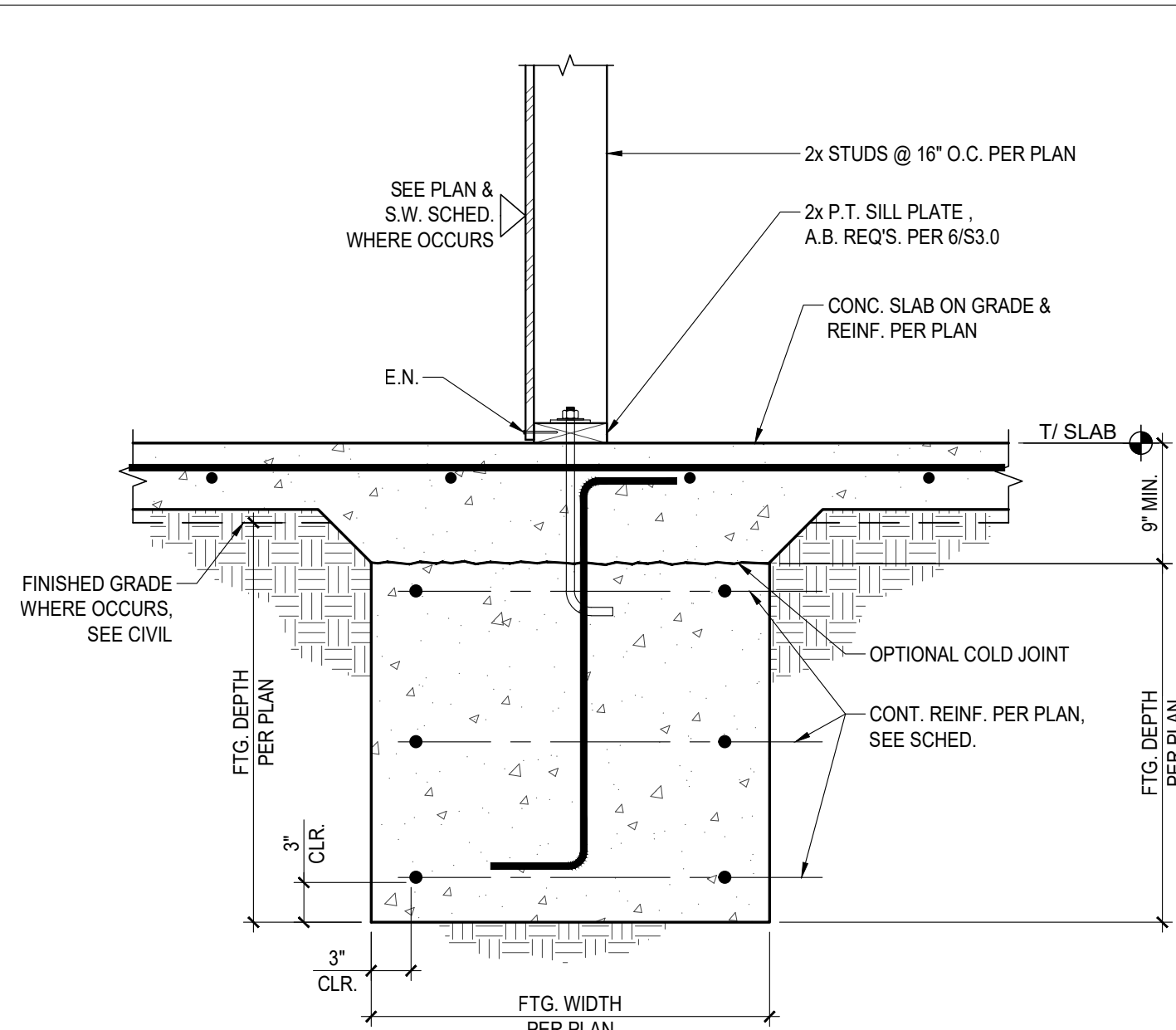
- NOTES:
- THIS TABLE FOR USE WITH NORMAL WEIGHT HARDROCK CONCRETE AND GRADE 60 UNCOATED REINFORCING BARS. FOR LIGHTWEIGHT AGGREGATE USE  $1.3 l_d$ .
  - CLASS A - HALF OR LESS OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH. CLASS B - MORE THAN HALF OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH.
  - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST IN THE MEMBER BELOW THE BAR.
  - FOR BARS ENCLOSED IN STANDARD COLUMN SPIRALS, USE  $0.75 l_d$  OR 12" MIN.
  - LAP SPLICES OF INDIVIDUAL BARS WITH A BUNDLE SHALL BE  $1.2 l_d$  FOR THAT BAR IN A 3-BAR BUNDLE AND  $1.3 l_d$  FOR A 4-BAR BUNDLE. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED AT THE SAME LOCATION. SPLICES FOR INDIVIDUAL BARS WITHIN A BUNDLE SHALL BE STAGGERED SUCH THAT THEY DO NOT OVERLAP.
  - COMPRESSION LAP SPLICE (ONLY WHERE INDICATED ON DRAWINGS) FOR GRADE 60 BARS USE 30 BAR DIAMETERS.
  - CASES 1 AND 2 ARE DEFINED AS FOLLOWS:  
CASE 1: COVER AT LEAST 1.0 db AND CENTER TO CENTER SPACING AT LEAST 2.0 db.  
CASE 2: COVER LESS THAN 1.0 db OR CENTER TO CENTER SPACING LESS THAN 2.0 db.  
ALL OTHER MEMBERS  
CASE 1: COVER AT LEAST 1.0 db AND CENTER TO CENTER SPACING AT LEAST 3.0 db.  
CASE 2: COVER LESS THAN 1.0 db OR CENTER TO CENTER SPACING LESS THAN 3.0 db.

11 TENSION LAP SPLICE LENGTH,  $l$  (IN INCHES)  
SCALE: N.T.S.

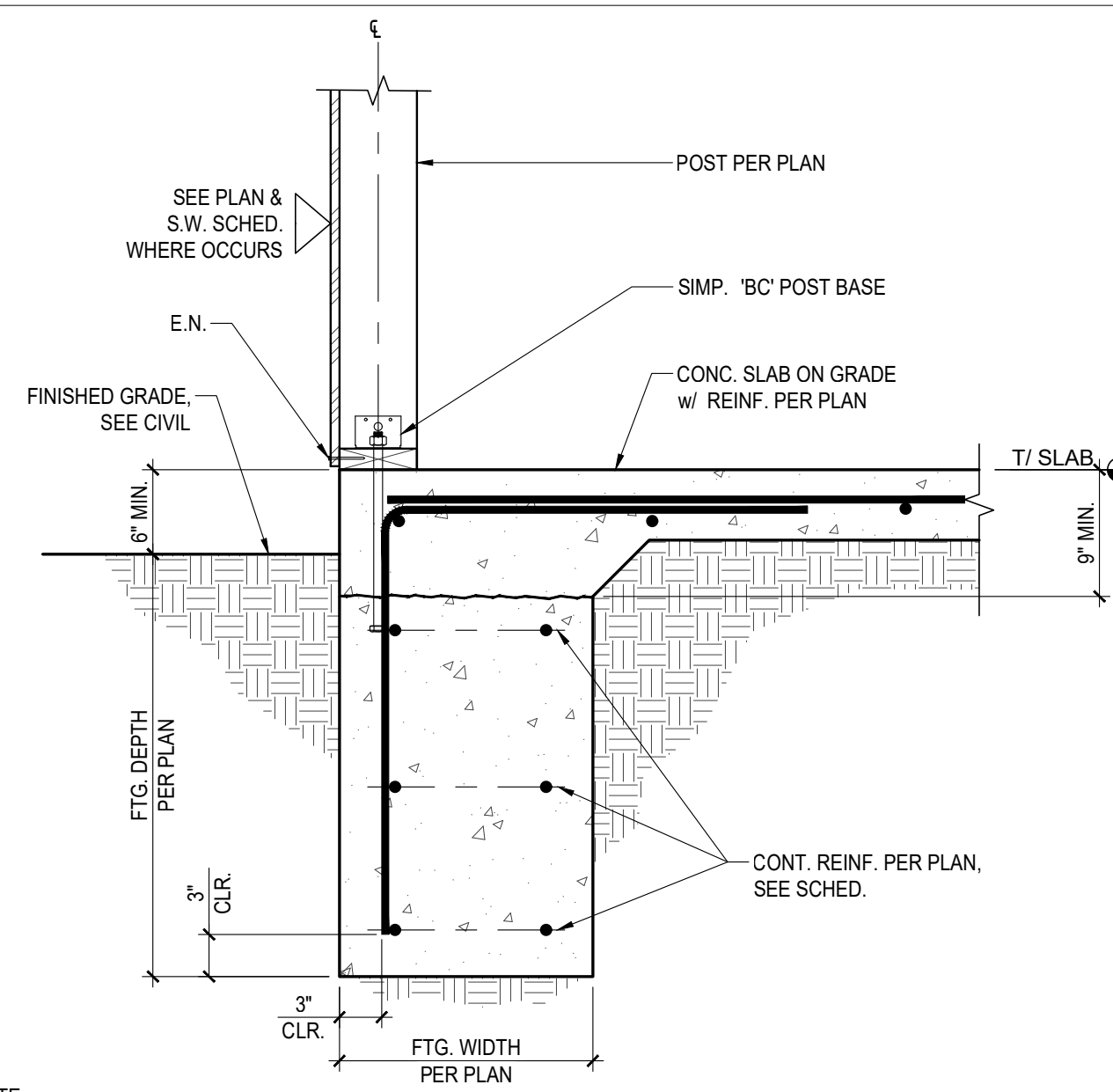




1 HOLDOWN DETAIL  
SCALE: N.T.S.

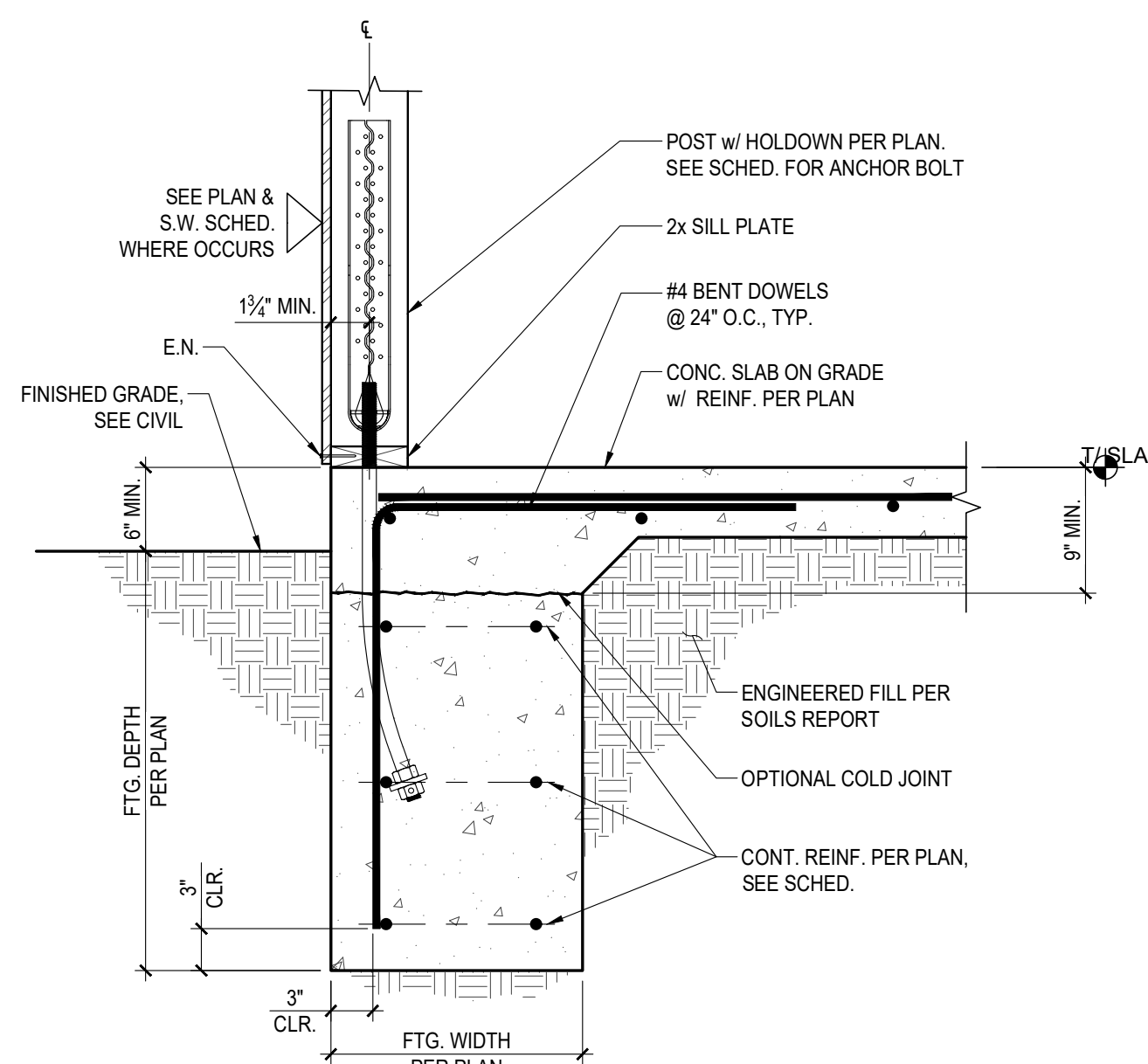


#### 4 INTERIOR WALL FOOTING



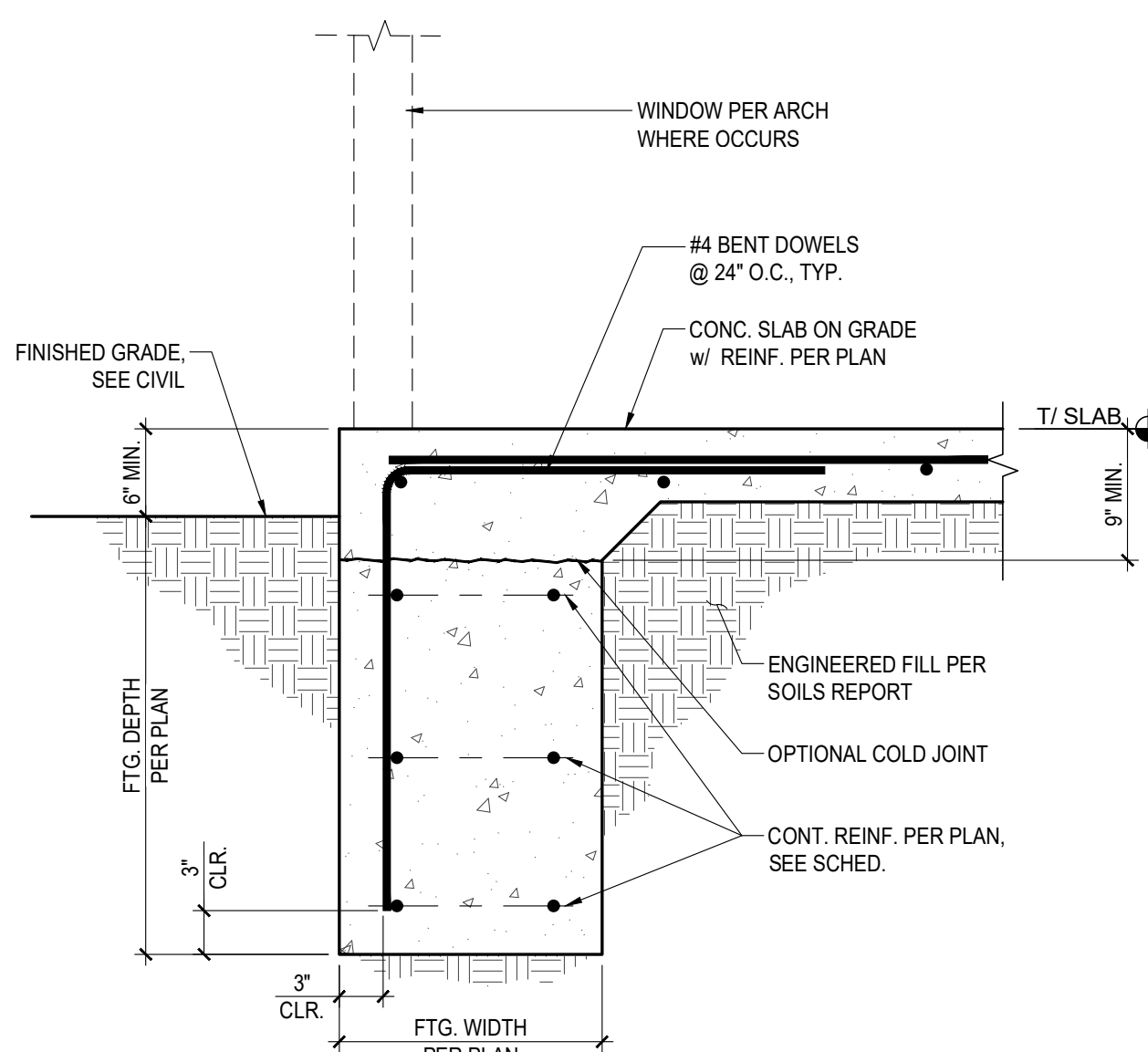
**NOTE:**  
1. SEE DTL. 11/S3.0 FOR LAP SPLICE REQUIREMENTS  
2. SEE DTL. 3/- FOR BALANCE OF INFO.

7 POST AT EXTERIOR FOOTING  
SCALE: 1" = 1'-0"



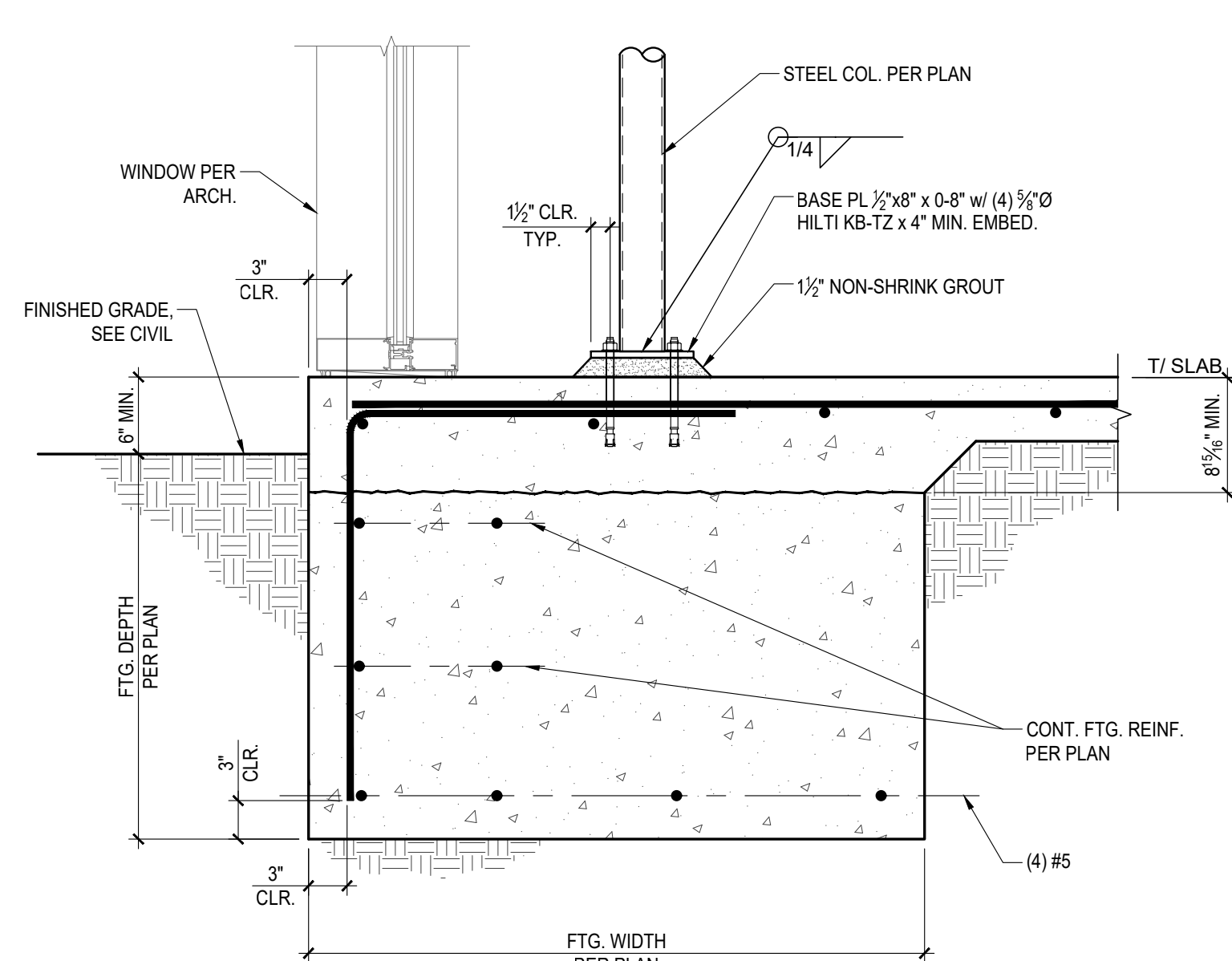
**NOTE:**  
1. SEE DTL. 11/S3.0 FOR LAP SPLICE REQUIREMENTS.

② **HOLDOWN SECTION**  
SCALE: 1" = 1'-0"

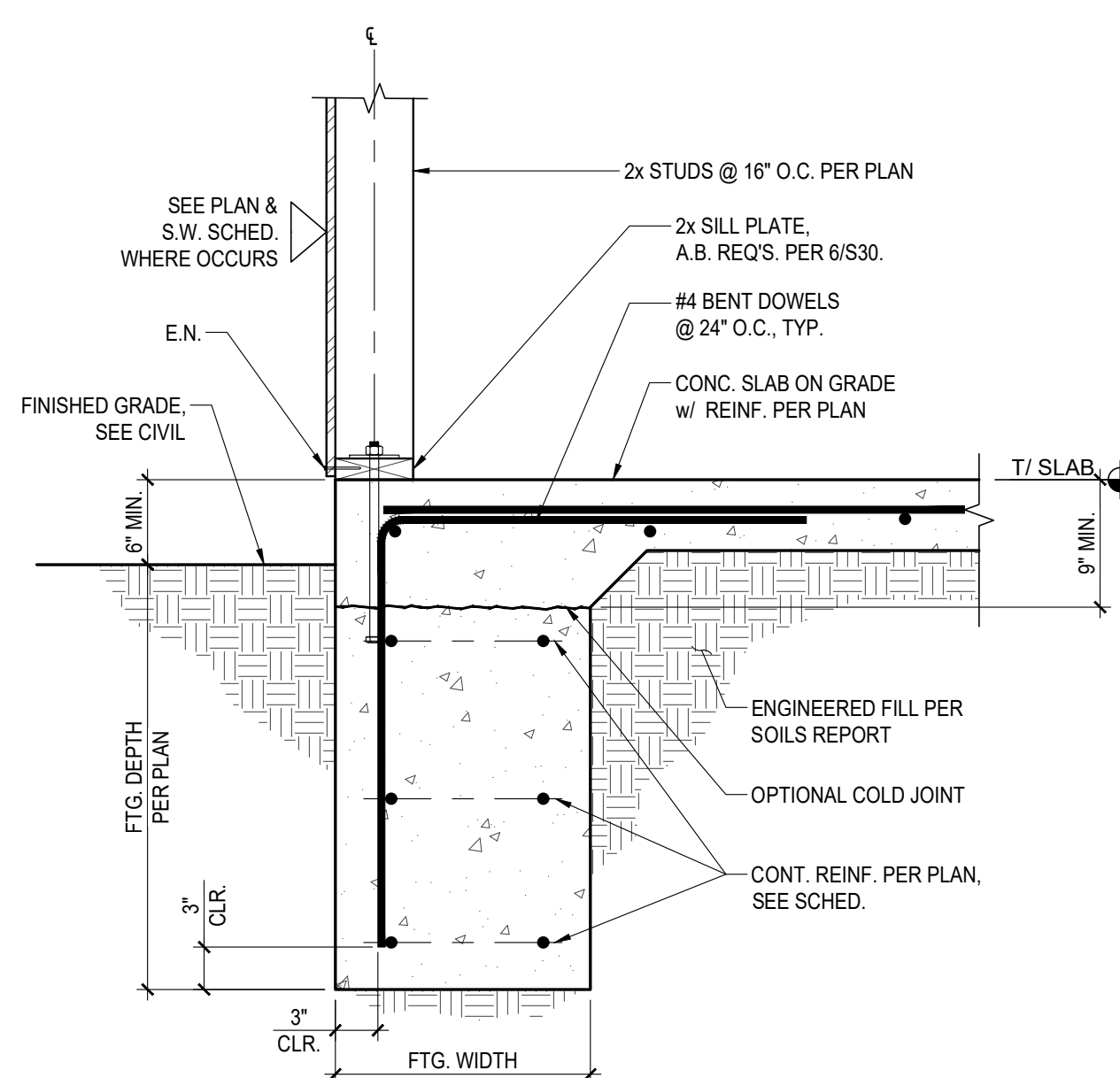


**NOTE:**  
1. SEE DTL. 11/S3.0 FOR LAP SPLICE REQUIREMENTS

5 EXTERIOR FOOTING AT OPENING  
SCALE: 1" = 1'-0"

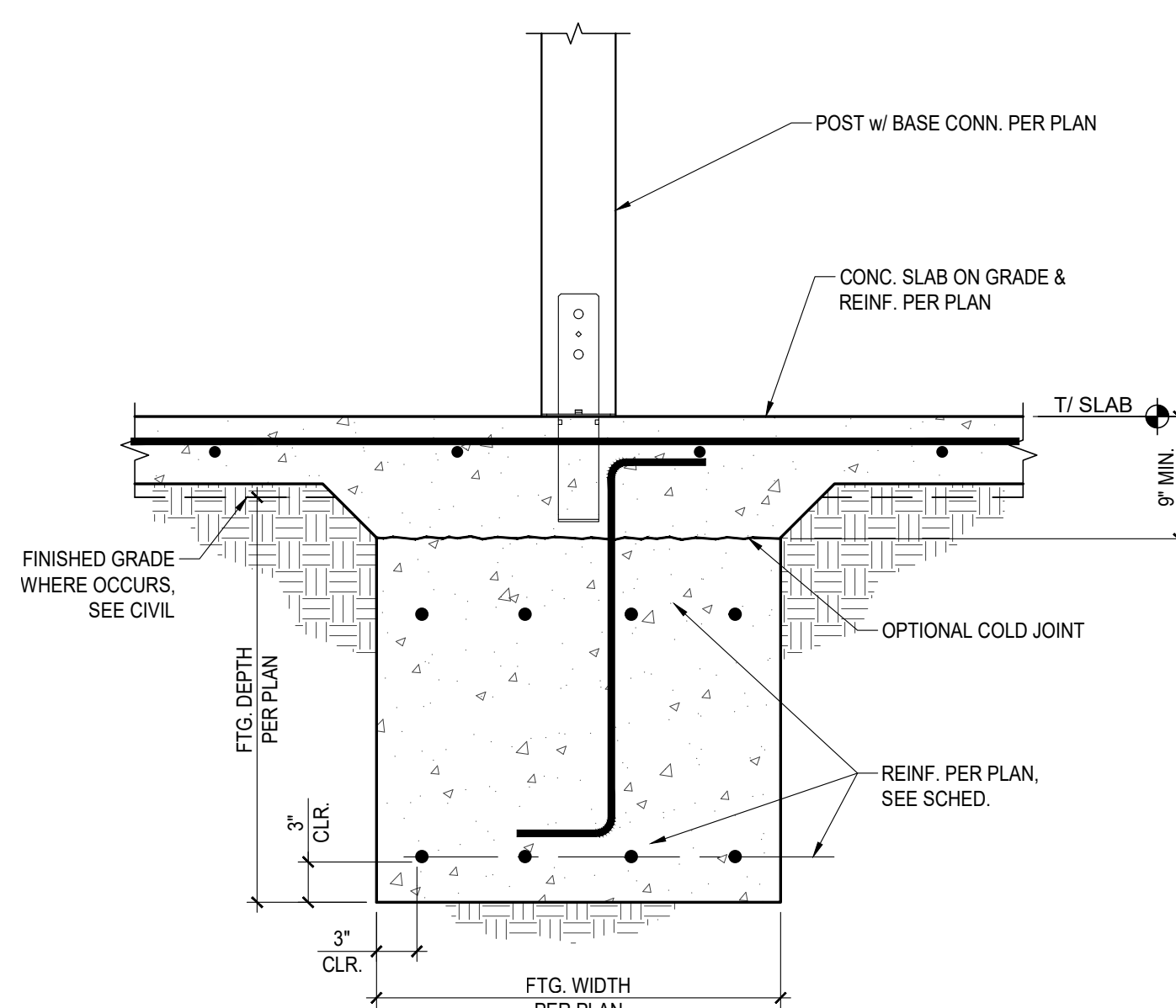


8 STEEL COLUMN TO FOOTING  
SCALE: 1" = 1'-0"

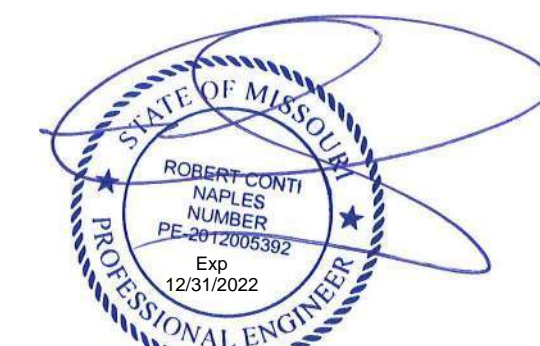


NOTE:  
1. SEE DTL. 11/S3.0 FOR LAP SPLICE REQUIREMENTS.

### 3 EXTERIOR WALL FOOTING



6 POST TO SPREAD FOOTING DETAIL  
SCALE: 1" = 1'-0"

[illegible]

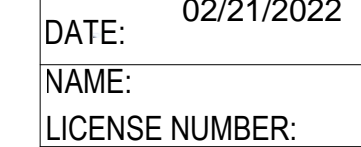








SIGNED BY:



908 NW PRYOR RD  
LEE'S SUMMIT, MO 64081

[illegible]

## STRUCTURAL DETAILS

SHEET

**INNOVA**  
TECHNOLOGIES  
TRANSPORTATION ENGINEERING SOLUTIONS  
STRUCTURAL ENGINEERING  
CONSTRUCTION ENGINEERING  
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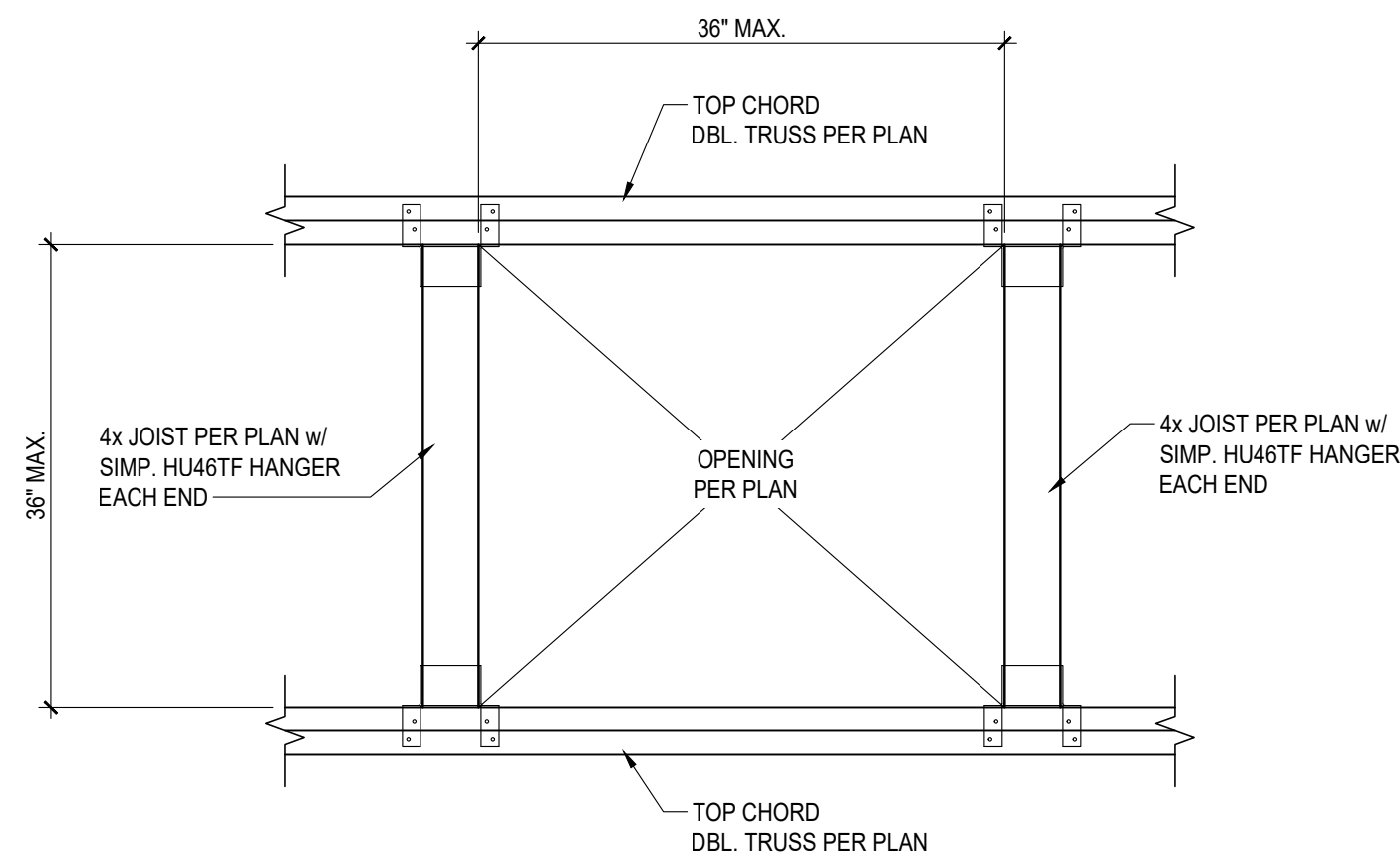
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1432 S. JONES BLVD  
LAS VEGAS, NV 89146

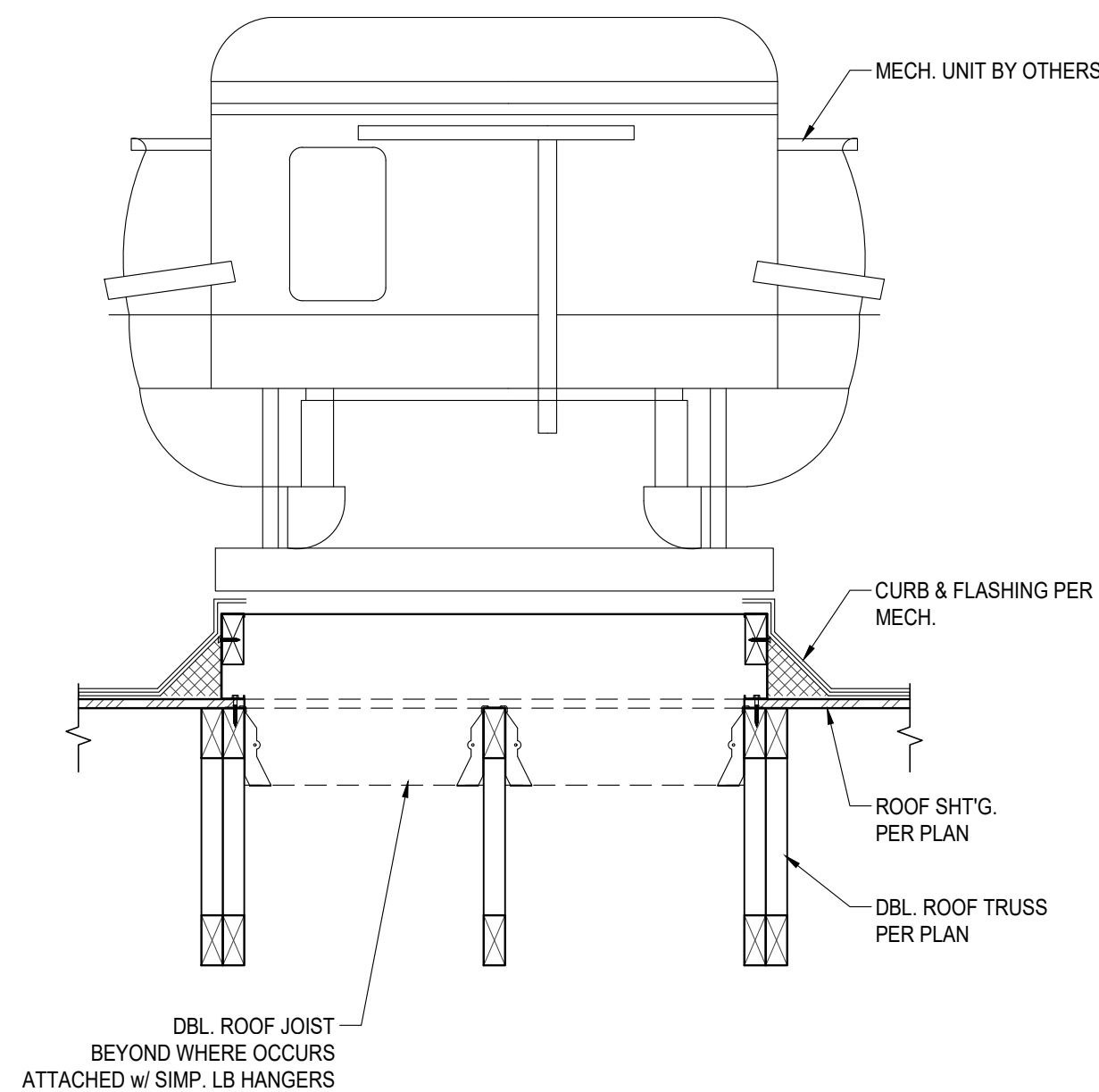
TEL.: 702.220.6640  
FAX: 702.220.7740

[WWW.INNOVANY.COM](http://WWW.INNOVANY.COM)

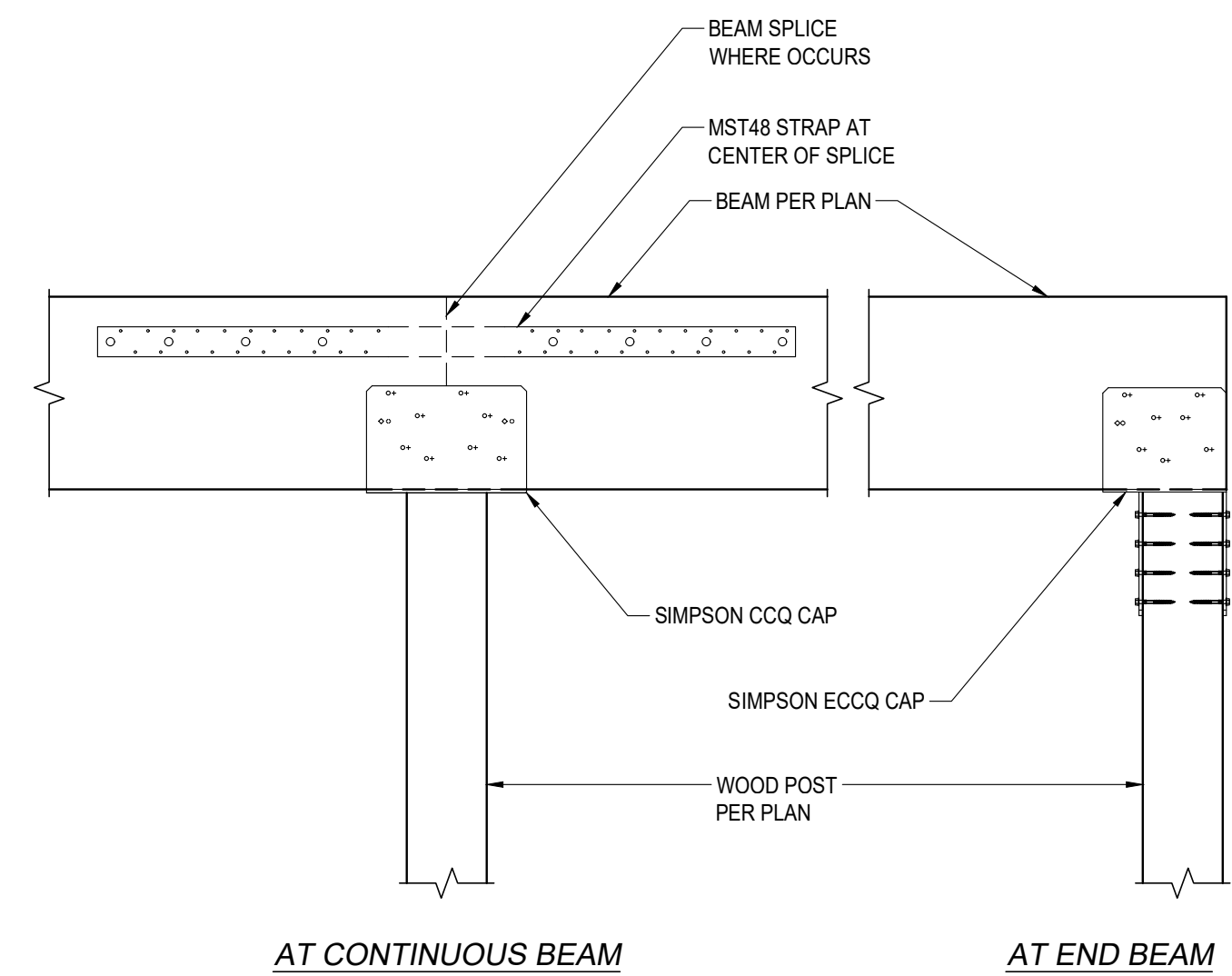




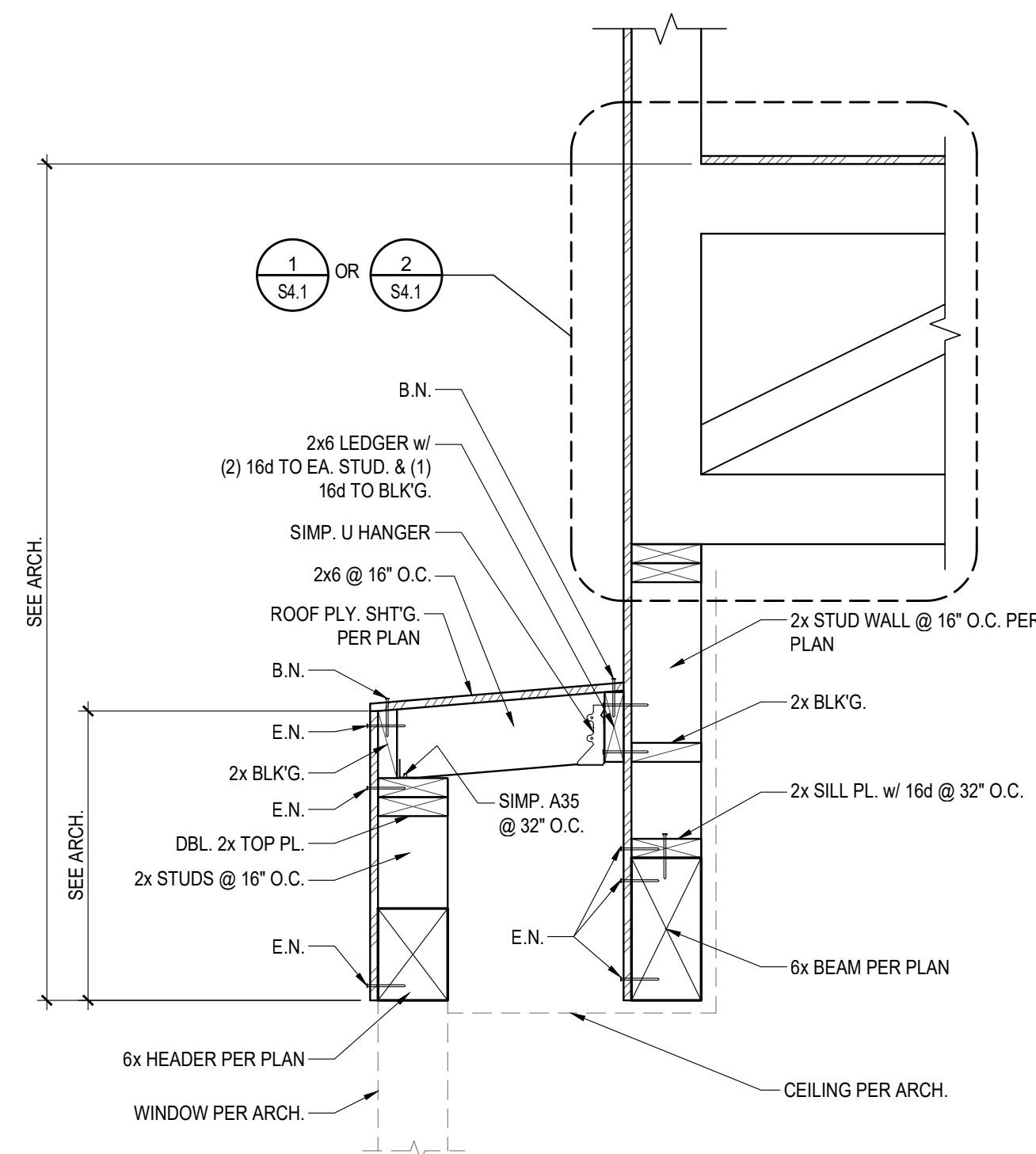
1 ROOF OPENING DETAIL - PLAN VIEW  
SCALE: 1" = 1'-0"



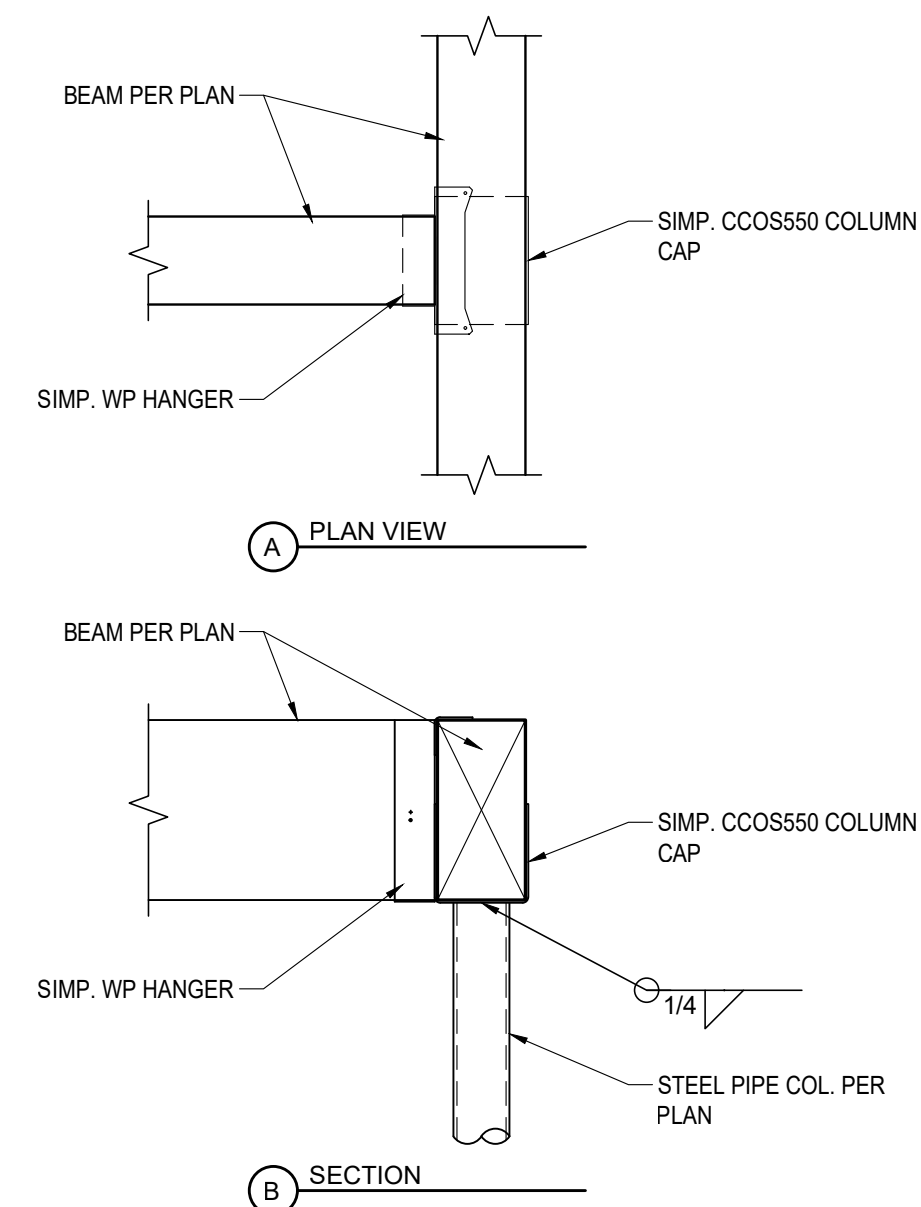
2 ROOF OPENING DETAIL - PLAN VIEW  
SCALE: 1" = 1'-0"



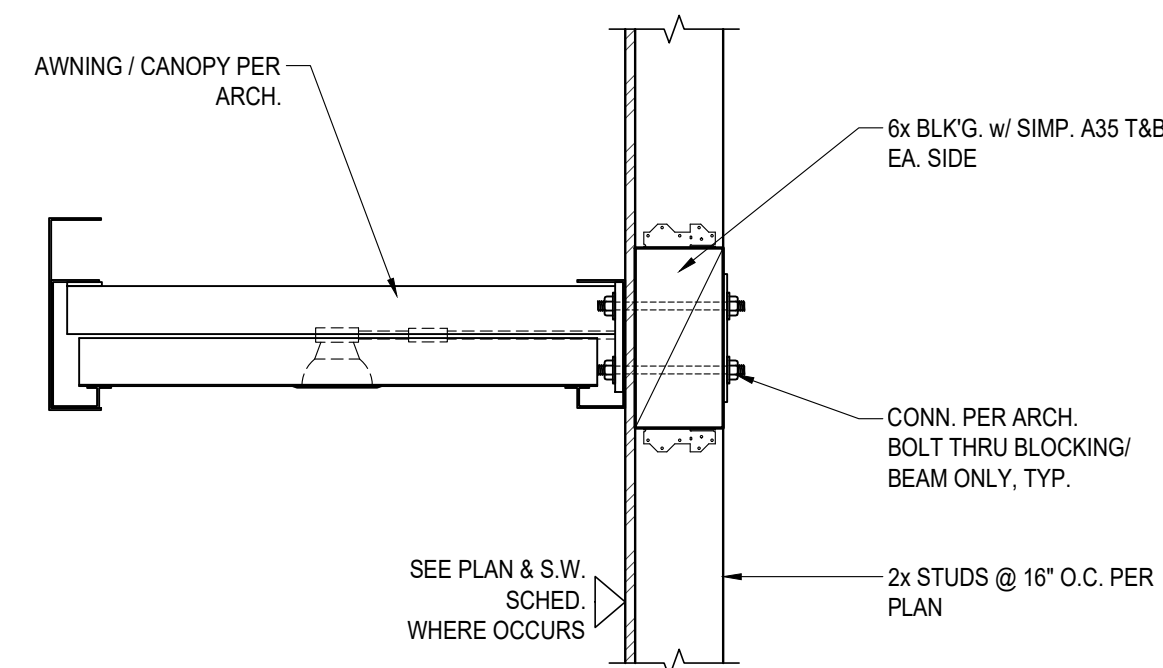
### 3 WOOD POST TO WOOD BEAM CONNECTION



4 FRAMING CONNECTION AT POP-OUT WALL  
SCALE: 1" = 1'-0"

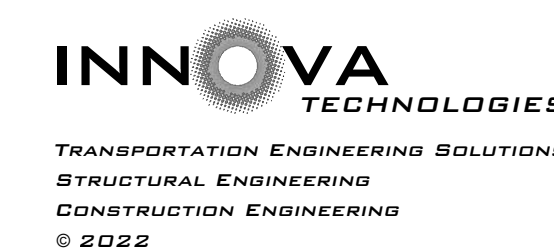


5 WOOD BEAM TO STEEL PIPE COLUMN  
SCALE: 1" = 1'-0"



## 6 CANOPY CONNECTION

SCALE: 1" = 1'-0"



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PREPARED BY:

21 B Street | Burlington, MA 01803  
Tel: (781) 273-2500 | [www.ebiconsulting.com](http://www.ebiconsulting.com)

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SIGNED BY:



DATE: 02/21/2022

NAME:

LICENSE NUMBER:

PRYOR RD AND LOWENSTEIN DR.

908 NW PRYOR RD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000082

[illegible]

PRYOR RD AND  
LOWENSTEIN DR.

## CONTENTS

## STRUCTURAL DETAILS

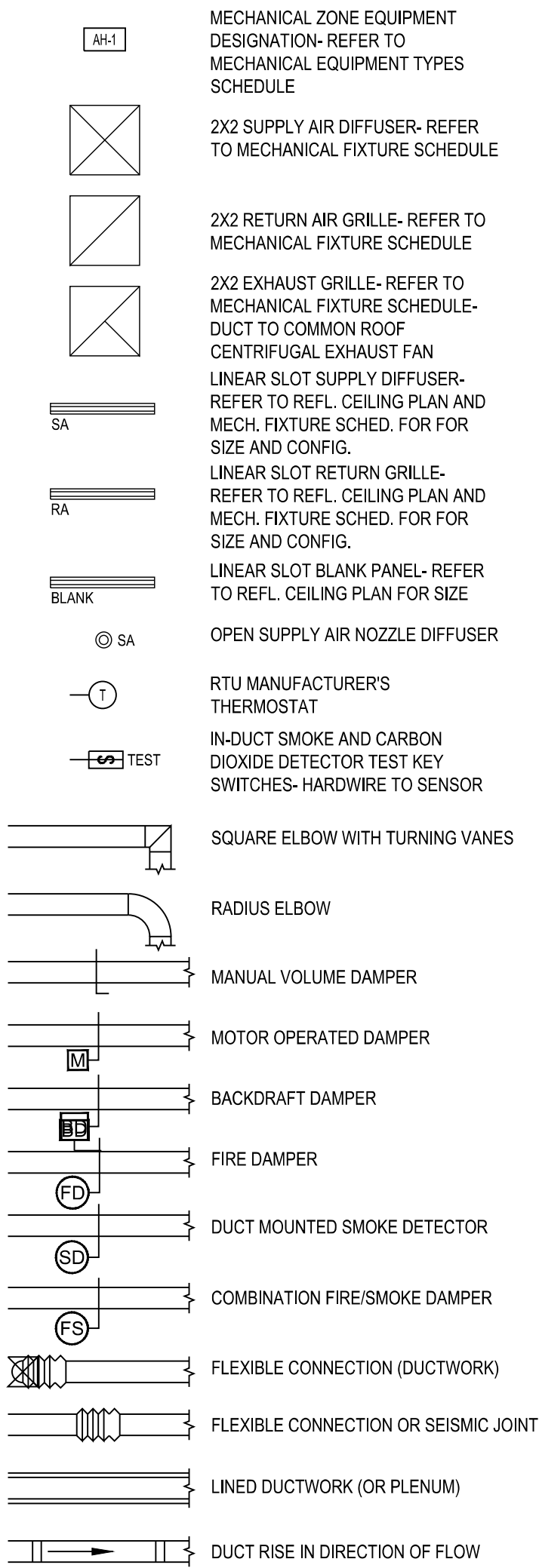
02/21/2022

SHEET

## S4.2



MECHANICAL SYMBOLS



MECHANICAL GENERAL NOTES

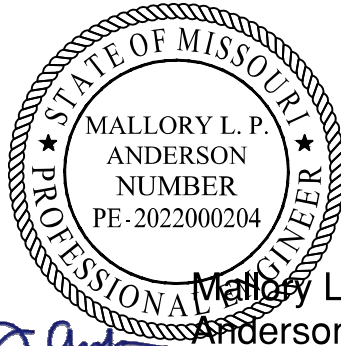
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS ON SHEETS A1.2 FOR POSITIONS, SIZES AND TYPES OF MECHANICAL FIXTURES (SA / RA / TE).
2. 24-HOUR VESTIBULES REQUIRE DUCTED RETURNS TO PREVENT AIR DRAW FROM ADJACENT SPACES WITHOUT SEPARATION ABOVE THE CEILING.
3. ALL MECHANICAL EQUIPMENT MUST BE ISOLATED FROM THE BUILDING STRUCTURE BY VIBRATION-DAMPENING MOUNTING AND DUCT ACCESSORIES. RIGID EQUIPMENT MOUNTS AND DUCT CONNECTIONS TO EQUIPMENT ARE NOT PERMITTED.
4. RTUS, SPLIT FORCED-AIR SYSTEMS (INCLUDING "MINI-SPLITS"), AND ALL SUPPLEMENTAL HEATING SYSTEMS ARE TO BE CONTROLLED AND MONITORED BY THE BUILDING MANAGEMENT SYSTEM (BMS) FOR CONSTANT VOLUME (CV) SYSTEMS WITHOUT HUMIDITY CONTROL ONLY. REFER TO SHEET E5. MECHANICAL INSTALLER SHALL COORDINATE WITH THE PROJECT ELECTRICIAN FOR CONTROL AND MONITORING DEVICE PROVISION AND INSTALLATION FROM THE COMMON BMS VENDOR.
5. CONTROL AND SENSOR DEVICES ARE NOT TO BE LOCATED ON ANY WALLS OR CEILINGS DESIGNATED FOR AN ACCENT FINISH. REFER TO THE FLOOR PLANS.
6. POSITION CONTROL DEVICES AS NEAR THE ENDS OF WALLS AS POSSIBLE, SO AS NOT TO INTERFERE WITH MARKETING MATERIAL POSITIONING.
7. ALL THERMOSTATS AND TEST SWITCHES FOR REMOTE SMOKE AND CARBON DIOXIDE DETECTORS SHALL BE POSITIONED IN EMPLOYEE-ONLY AREAS, OUT OF CUSTOMER VIEW.
8. INSTALL DAINTREE WTS10. CONTRACTOR TO PROVIDE MITSUBISHI PAC-US44CN-1 ADAPTER.
9. REFER TO ELECTRICAL DRAWINGS FOR HARDWIRED FANLIGHT CONTROL AND TIMERS.
10. THERMOSTAT ADAPTERS MAY BE REQUIRED AT SPLIT SYSTEMS WITH DAINTREE WTS10 THERMOSTATS. VERIFY WITH EQUIPMENT MANUFACTURER.
11. WIRE HUMIDITY SENSORS TO DAINTREE WSA10 ADAPTERS.
12. ROUTE RTU CONDENSATE TO NEAREST ROOF DRAIN VIA PVC PIPING.
13. INTERIOR CONDENSATE SHALL BE PERMITTED TO DRAIN TO THE JANITOR SINK OR EXTERIOR. WHERE DRAINED TO THE EXTERIOR, WALL PENETRATION SHALL BE VIA A COPPER OR GALVANIZED STEEL PIPE WITH STREET ELBOW AND SPLASH BLOCK. PLASTIC PIPES ARE NOT PERMITTED THROUGH THE EXTERIOR WALL.
14. SPECIFICATION SECTION 230693 EXPLICITLY REQUIRES A TEST AND BALANCE REPORT WHICH MUST BE SUBMITTED TO THE CONSTRUCTION TEAM AND ENGINEER OF RECORD. THE PROJECT WILL NOT BE ACCEPTED AS COMPLETE BY THE OWNER WITHOUT THE EOR'S REVIEW AND ACCEPTANCE OF THAT REPORT.
15. THE OWNER'S FACILITY MANAGER MUST BE INVITED TO MECHANICAL AND ELECTRICAL SUBCONTRACTOR KICKOFF MEETINGS, AND PERIODIC MEETINGS AND WALK-THROUGHS INVOLVING MECHANICAL AND ELECTRICAL WORK.
16. DUCTED SPLIT SYSTEMS SHALL BE CONTROLLED BY THE DAINTREE SYSTEM (WGA, CT, PRESSURE SENSOR, WSA, DUCT TEMP SENSOR, REMOTE TEMP SENSOR AND THERMOSTAT).
17. ALL THERMOSTATS FOR THE MINI-SPLIT SYSTEMS SHALL BE HARD WIRED. MINI-SPLITS SHALL HAVE 24V INTERFACE BY CONTRACTOR FROM MANUFACTURER FOR DAINTREE WIRELESS THERMOSTATS.
18. ECONOMIZER UNIT DAINTREE COMPATIBILITY: UNITS CONNECTED TO AN ECONOMIZER THAT IS NOT INTEGRAL TO THE RTU SHALL HAVE MANUFACTURER'S CONTROLS AND CONTROL MODULE FOR MODS. ECONOMIZERS FULLY INTEGRATED WITH RTUS CAN BE CONTROLLED BY THE DAINTREE SYSTEM.
19. DAINTREE DEVICE DIP-SWITCH SETTINGS: IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO VERIFY EXACT DIP SWITCH SETTING PER MANUFACTURER'S CUT SHEET.

PREPARED BY:  
**EBI Consulting**

ENVIRO BUSINESS, INC.  
21 B Street | Burlington, MA 01803  
Tel: (781) 273-2500 | [www.ebiconsulting.com](http://www.ebiconsulting.com)

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SIGNED BY:



*M. Anderson*  
**Mallory L. P. Anderson**  
2022.03.02  
16:22:47-05'00'

**PRYOR ROAD &  
LOWENSTEIN DRIVE**

**908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081**

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION



**PRYOR & LOWENSTEIN**  
PROTOTYPE VERSION 20.4

CONTENTS

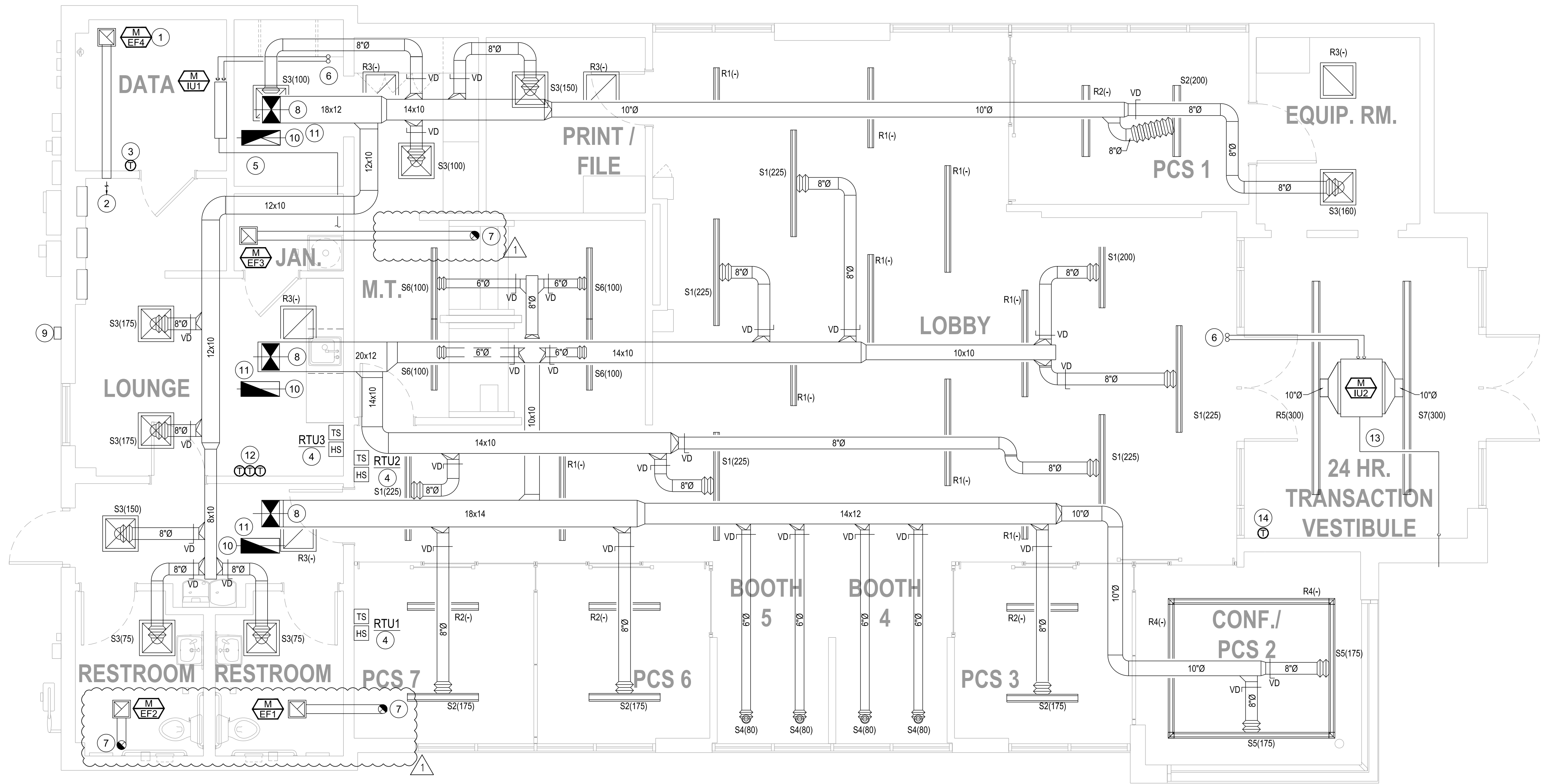
**MECHANICAL GENERAL  
NOTES AND LEGEND**

02/04/2022

SHEET

**M-0**





1  
M1  
MECHANICAL - FLOOR PLAN  
1/4" = 1'-0"

- # SHEET NOTES
1. DATA ROOM EXHAUST FAN EF-4 IS CONTROLLED BY NON-DAINTREE HARDWIRED REVERSE THERMOSTAT PROVIDED BY ELECTRICAL CONTRACTOR
  2. TERMINATE 6"X6" EXHAUST DUCT ABOVE CEILING INTO PLENUM.
  3. PROVIDE BMS WIRELESS THERMOSTAT FOR IU1/OU1.
  4. PROVIDE REMOTE TEMPERATURE AND HUMIDITY SENSORS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  5. CONDENSATE ROUTED TO MOP SINK, FROM CONDENSATE PUMP.
  6. REFRIGERANT PIPING ROUTED THROUGH PIPING PORTAL TO CONDENSING UNIT ON ROOF. REFER TO SHEET M2 FOR CONTINUATION.
  7. TERMINATE EXHAUST DUCT THROUGH ROOF WITH GOOSENECK.
  8. PROVIDE SUPPLY DUCT PROBE TEMPERATURE SENSOR FOR RTU.
  9. PROVIDE HARDWIRED EXTERIOR TEMPERATURE SENSOR WITH DAINTREE WGA100 AND WSA10 MOUNTED IN THE INTERIOR OF BUILDING FOR MONITORING.
  10. PROVIDE RTU WITH DUCT SMOKE DETECTOR.
  11. 18"X12" SUPPLY AIR DUCT AND 26"X10" RETURN AIR DUCT ROUTED TO NEW ROOFTOP UNIT ABOVE. REFER TO SHEET M-2 FOR RTU LOCATION.
  12. LOCATION OF BMS WIRELESS THERMOSTATS, DAINTREE NETWORKS #WTS10, FOR NEW RTU'S. COORDINATE EXACT LOCATION WITH EQUIPMENT IN THIS ROOM.
  13. CONDENSATE ROUTED OUTSIDE. TERMINATE 18" A.F.S.
  14. PROVIDE BMS WIRELESS THERMOSTAT FOR IU2/OU2.

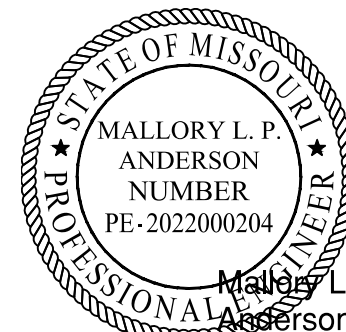
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SIGNED BY:



Mallory L. P. Anderson  
2022.04.11  
13:05:45-04'00"

PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS

**CHASE**

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

CONTENTS

MECHANICAL FLOOR PLAN

02/04/2022

SHEET

M-1



- #SHEET NOTES
1.

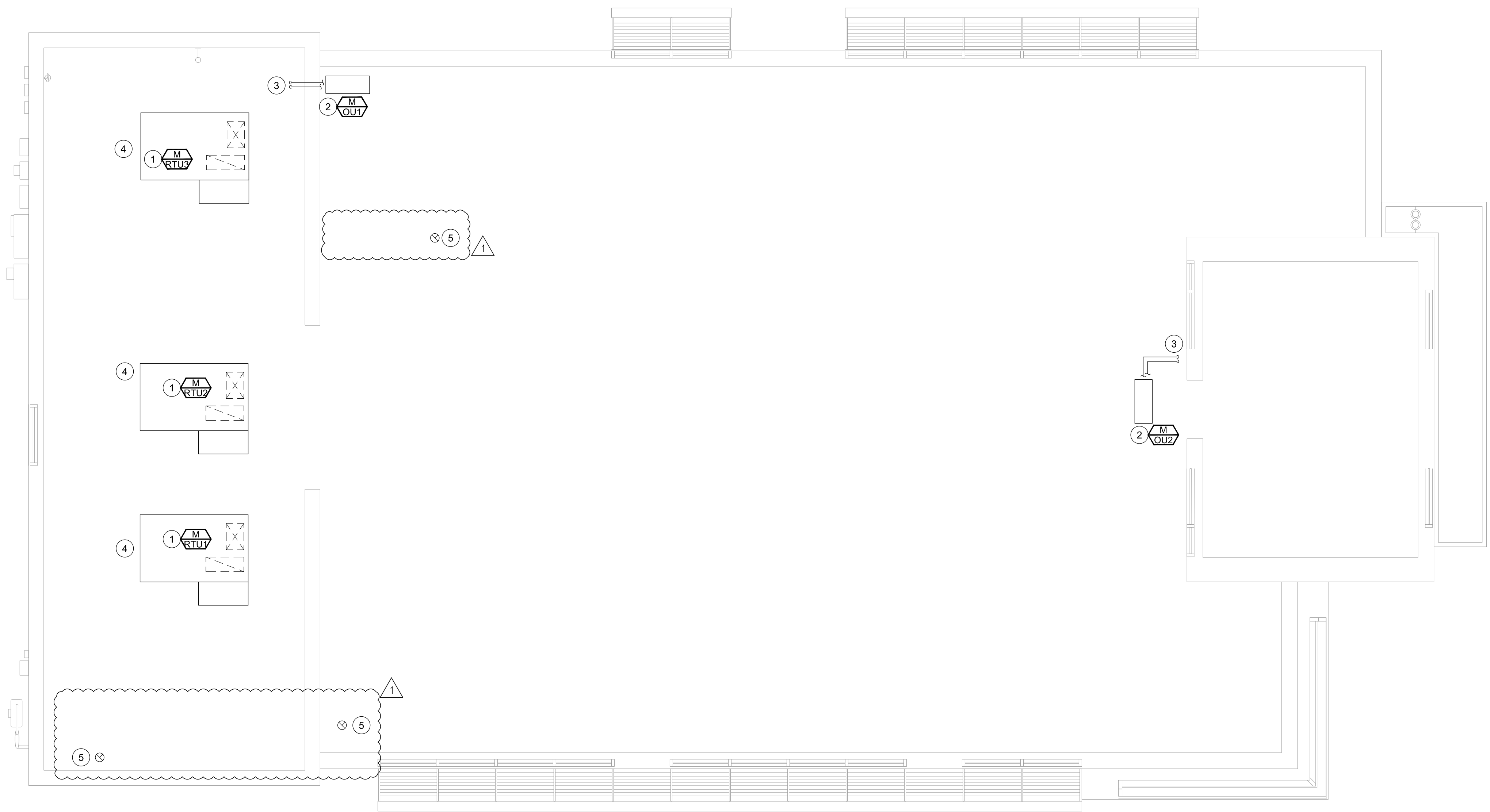
ROOFTOP UNIT LOCATED ON 14" ROOF CURB. REFER TO DETAIL ON SHEET M-4
2.

NEW OUTDOOR UNIT MOUNTED ON ROOF CURB RAIL SYSTEM. REFER TO DETAIL ON SHEET M-4.
3.

1/2" SUCTION LINE AND 1/4" LIQUID LINE REFRIGERANT PIPING ROUTED FROM OUTDOOR UNIT TO INDOOR UNIT ON FIRST FLOOR THROUGH PIPING PORTAL. REFER TO DETAIL ON SHEET M-4.
4.

OUTSIDE AIR INTAKES MUST MAINTAIN A MINIMUM 10'-0" FROM ALL EXHAUST, GAS FLUES, ETC.
5.

EXHAUST MUST MAINTAIN A MINIMUM DISTANCE OF 10'-0" FROM OUTSIDE AIR INTAKES. COORDINATE EXHAUST LOCATION WITH WITH MECHANICAL EQUIPMENT LOCATIONS.



1  
M2

MECHANICAL - ROOF PLAN

1/4"=1'-0"

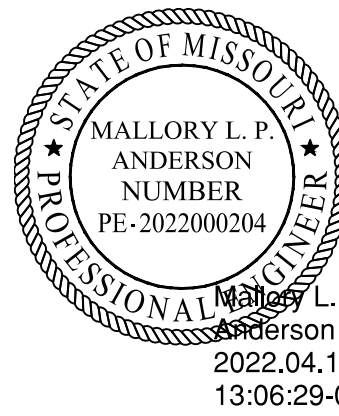
PREPARED BY:

EBI Consulting

ENVIRO BUSINESS, INC.  
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0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS



PRYOR & LOWENSTEIN

PROTOTYPE VERSION 20.4

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MECHANICAL ROOF PLAN

02/04/2022

SHEET

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DATA ROOM VENTILATION FAN SEQUENCE OF OPERATION
FAN CONTROLS
1. FAN SYSTEM SHALL BE CONTROLLED BY NON-DAINTREE HARDWIRED REVERSE THERMOSTAT.
2. ON RISE OF TEMPERATURE ABOVE 85°F (ADJ.), EXHAUST FAN SHALL START. ON DROP IN TEMPERATURE OF 5° (ADJ.), FAN SHALL STOP.
3. THE DDC CONTROLLER SHALL GIVE A DETAILED ALARM SIGNAL TO THE FRONT END FOR FAN FAILURE (CT) AND/OR TEMPERATURE IN ROOM EXCEEDS 90°F FOR 5 MINUTES.

AIR DEVICE SCHEDULE							
MARK	MANUFACTURER	MODEL	CFM	MODULE	NECK	ACCESSORIES / TRIM	REMARKS
S-1	TITUS	FL-TZ	200-225	LINEAR SLOT	8" OVAL	BORDER DF WITH STANDARD END CAP	1-3,6,8,12,14,16
S-2	TITUS	FL-10	175-200	LINEAR SLOT	8" OVAL	BORDER 16 WITH ECX END CAP	1-3,6,8,9,14,16
S-3	TITUS	OMNI-AA	75-175	24x24	8" Ø	AG-75, DB, NT BORDER	1-5,8,10, 15
S-4	PRICE	ANF	80	AIR NOZZLE	6" Ø	-	1,3,8
S-5	TITUS	FL-10	175	LINEAR SLOT	8" OVAL	MITERED CORNERS	1-3,6,8,11-14,16
S-6	TITUS	FL-TZ	100	LINEAR SLOT	6" OVAL	BORDER DF WITH STANDARD END CAP	1-3,6,8,12,14,16
S-7	TITUS	FL-10	300	LINEAR SLOT	10" OVAL	BORDER 16 WITH ECX END CAP	1-3,6,8,9,14,16
R-1	TITUS	FL-TZ	-	LINEAR SLOT	N/A	BORDER DF WITH STANDARD END CAP	1-3,6-8,12
R-2	TITUS	FL-10	-	LINEAR SLOT	N/A	BORDER 16	1-3,6-9,14
R-3	TITUS	390-FL	-	24x24	N/A	BORDER TYPE 3	1-3,7,8,10,11,15
R-4	TITUS	FL-10	-	LINEAR SLOT	N/A	MITERED CORNERS	1-3,6,8,11-14
R-5	TITUS	FL-10	300	LINEAR SLOT	10" OVAL	BORDER 16	1-3,6-9,14,16
REMARKS: 1. COORDINATE WITH LIGHT FIXTURES AND OTHER CEILING DEVICES FOR EXACT LOCATIONS OF ALL AIR FIXTURES. 2. COORDINATE FRAME STYLES WITH CEILING OR WALL SYSTEM FRAMING AND FINISH MATERIALS. PROVIDE GYPSUM BOARD / PLASTER FRAME TO SUPPORT FIXTURE WITHIN GYPSUM CEILING. 3. N.C. VALUES FOR DIFFUSERS, GRILLES AND REGISTERS SHALL NOT EXCEED 25, WITH A ROOM ABSORPTION RATE OF 10db. 4. PROVIDE BACK SIDE OF SUPPLY AIR FIXTURES WITH FACTORY-INSTALLED R-6 INSULATION BLANKET. 5. PROVIDE DIRECTIONAL BLOW CLIPS (1-3) AS REQUIRED FOR DIRECTIONAL AIRFLOW CONTROL. 6. REFER TO ARCHITECTURAL PLAN FOR LINEAR SLOT FIXTURE LENGTHS. 7. WHERE PLENUM RETURNS ARE UTILIZED, CONCEAL VISIBILITY TO PLENUM SPACE BY PROVIDE DUCT BOOT SECURED TO CEILING FRAMING OR OPTIONAL OPPOSABLE BLADE DAMPERS FOR 2X2 RA GRILLES, AND FBR RETURN HOODS AT LINEAR SLOT RA FIXTURES. WHERE RETURN AIR FLOW CONTROL IS REQUIRED, PROVIDE OPTIONAL OPPOSABLE BLADE DAMPERS IN THE 2X2 GRILLES, AND FBB0' BLANK-OFFS IN THE LINEAR SLOT FIXTURES. AIR FLOW IS NOT TO BE ADJUSTED BY RE-SIZING OF THE FIXTURE GRILLE AREA. 8. "OR EQUAL" SUBSTITUTIONS PERMITTED. SUBSTITUTIONS MUST BE APPROVED BY THE ARCHITECT OF RECORD BY THE PROCESS DEFINED IN THE PROJECT MANUAL. 9. FLOWBAR DIFFUSER TYPE TO BE SPECIFIED IN PRIVATE OFFICES ONLY. SPECIFY SLOT DIFFUSER WIDTH AS REQD. TO MEET AIR DISTRIBUTION REQUIREMENTS IN THE HIGHEST-DEMAND OFFICE, AND APPLY THAT DIFFUSER THROUGHOUT ALL OFFICES. 10. ALL SA, RA, AND EXHAUST FIXTURES IN 2X2 CEILING GRIDS SHALL BE 24" X 24" FULL FIXTURES. THE USE OF REDUCED VENT AREAS WITHIN LARGER PLATES TO RESTRICT AIR FLOW IS NOT PERMITTED. AIR FLOW CONTROL IS TO BE PROVIDED BY ADJUSTABLE DAMPERS WITHIN THE DUCTS OR BOOTS SERVING THE FIXTURES. 11. SPECIFY EDGE DETAIL / BORDER TYPE FOR COMPATIBILITY WITH GYPSUM BOARD CEILINGS WHERE REQUIRED. 12. LINEAR SLOT FIXTURES ARE INTENDED TO HAVE A CONTINUOUS, SEAMLESS APPEARANCE FOR THE FULL RUN OF THE CEILING FINISH AS INDICATED IN PLAN, WITHOUT VISUAL DIFFERENTIATION BETWEEN SA, RA, AND UNUSED PORTIONS OF THE RUN. PROVIDE OPTIONAL 'FBR' RETURN HOODS AND 'FBB0' BLANK-OFFS AS REQUIRED. 13. PROVIDE TITUS (OR EQUAL) FBMC-10 MITERED CORNERS. 14. PROVIDE WITH INSULATED PLENUM BOX FOR LINEAR DIFFUSER. 15. PROVIDE WITH PLENUM BOX FOR 24x24 LAY-IN GRILLE. 16. PROVIDE OVAL TO ROUND TRANSITIONS FOR LINEAR SLOT DIFFUSER PLENUMS. OTHER ACCEPTABLE MANUFACTURER'S INCLUDE PRICE AND TITUS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.							

EXHAUST FAN SCHEDULE										
MARK	MANUFACTURER	MODEL	LOCATION	AIRFLOW (CFM)	TYPE	STATIC PRESSURE (IN. H2O)	VOLTAGE / PHASE	WATTS	DRIVE	REMARKS
EF-1	GREENHECK	SP-B110	RESTROOM	75	CEILING MOUTED	0.5	115/1	8	DIRECT	1-5
EF-2	GREENHECK	SP-B110	RESTROOM	75	CEILING MOUTED	0.5	115/1	8	DIRECT	1-5
EF-3	GREENHECK	SP-B110	JANITOR	75	CEILING MOUTED	0.5	115/1	8	DIRECT	1-5
EF-4	GREENHECK	SP-AP0511W	DATA ROOM	110	CEILING MOUTED	0.5	115/1	20	DIRECT	ALL
REMARKS:										
1. PROVIDE THE FOLLOWING:										
1.1. BACKDRAFT DAMPER, IF NOT INTEGRAL TO EQUIPMENT										
1.2. DISCONNECT SWITCH										
1.3. SUPPORT BRACKETS AND ISOLATION										
1.4. FLEXIBLE CONNECTION										
1.5. EXHAUST GRILLE MATCHING TYPICAL R.A. GRILLE SPECIFICATION, IF NOT INTEGRAL TO EQUIPMENT.										
2. INTERLOCK FAN OPERATION WITH LIGHTING CONTROL										
3. PROVIDE WITH THERMAL OVERLOAD PROTECTION										
4. PROVIDE VARIABLE SPEED CONTROLLER .										
5. PROVIDE AND MOUNT WITH VIBRATION ISOLATION HARDWARE.										
6. EXHAUST FAN CONTROLLED BY NON-DAINTREE HARDWIRED REVERSE THERMOSTAT PROVIDED BY ELECTRICAL CONTRACTOR.										

ROOFTOP UNIT SCHEDULE																										
UNIT									COOLING								GAS HEATING				WEIGHT (LBS.)	ELECTRICAL			REMARKS	
MARK	MANUFACTURER	MODEL	EER	NOMINAL TONNAGE	SUPPLY FAN				EAT		LAT		TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	COMPRESSOR			EAT (F)	LAT (F)	GAS HEATING INPUT / OUTPUT (MBH)		THERMAL EFFICIENCY (%)	V / Ø / HZ	MCA		MOCP
RTU-1	CARRIER	48FCEB05K3	11.6	4	1595	320	1	2.43	77	64	55	54	47	37.9	1	2	R-410A	58	95	110 / 88	80	650	208/3/60	33	45	1-17
RTU-2	CARRIER	48FCEB05K3	11.6	4	1550	310	1	2.43	77	64	55	54	47	36.8	1	2	R-410A	58	95	110 / 88	80	650	208/3/60	33	45	1-17
RTU-3	CARRIER	48FCEB05K3	11.6	4	1360	280	1	2.43	77	64	55	54	47	32.3	1	2	R-410A	58	95	110 / 88	80	650	208/3/60	33	45	1-17
REMARKS:																										
1. CONTRACTOR BACNET CONTROLLER COMPATIBLE WITH DAINTREE BUILDING ENERGY MANAGEMENT SYSTEM (BMS). 2. PROVIDE FILTERS THAT BEAR THE LABEL OF AN APPROVED AGENCY. 3. PROVIDE CONDENSATE DRAIN PIPE PER MANUFACTURER'S RECOMMENDATIONS. 4. PROVIDE WALL MOUNTED TEMPERATURE AND HUMIDITY SENSOR(S) AS SHOWN ON PLAN OR AS OTHERWISE REQUIRED 5. CONTRACTOR SHALL PROVIDE FACTORY INSTALLED HUMIDITY CONTROL AND EQUIPMENT 6. CONTRACTOR SHALL PROVIDE DUEL ENTHALPY ULTRA LOW LEAK ECONOMIZER W/ BAROMETRIC RELIEF. 7. 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. PROVIDE PIPING FOR AUXILIARY DRAIN CONNECTION IF AVAILABLE. 8. PROVIDE EQUIPMENT MANUFACTURER'S COMMISSIONING SERVICE, INCLUDING MANUFACTURER'S REPRESENTATIVE'S TIME ON-SITE TO COMPLETE BAC-NET POINT ASSIGNMENTS AND INITIAL ZONE PROGRAMMING. 9. UNIT SHALL BE PROVIDED WITH HIGH STATIC DIRECT DRIVE MOTOR. 10. PROVIDE WITH 14" HIGH ROOF CURB. 11. PROVIDE THRU-THE-BASE SINGLE POINT POWER CONNECTION WITH FACTORY MOUNTED STARTER. 12. PROVIDE WITH MOTORIZED OUTSIDE AIR DAMPER. 13. PROVIDE CONDENSER COIL HAIL GUARD. 14. PROVIDE WITH DEHUMIDIFICATION SYSTEM. 15. PROVIDE WITH 5-YEAR COMPRESSOR AND HEAT EXCHANGER WARRANTY. 16. UNIT SHALL BE U.L. TESTED AND CERTIFIED IN COMPLIANCE WITH ANSI Z21.47. 17. PROVIDE WITH DUCT SMOKE DETECTOR-REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.																										

ROOFTOP UNIT - SEQUENCE OF OPERATION

GENERAL

1.

ROOFTOP UNIT SHALL BE STARTED AND STOPPED VIA DDC CONTROLLER. COORDINATE OCCUPIED AND UNOCCUPIED SCHEDULES WITH OWNER. ALL SETPOINTS SHALL BE ADJUSTABLE. ALL ACTUATORS SHALL BE ELECTRONIC. CONTROLS SHALL BE DAINTREE AND SHALL BE INSTALLED BY A DAINTREE CERTIFIED VENDOR/CONTRACTOR.

2.

ALL TEMPERATURE SENSORS IN THE UNIT AND DUCTWORK SHALL BE AVERAGING TYPE, EXCEPT FOR FREEZE/STATS WHICH SHALL BE LOW POINT READING TYPE.

3.

PROVIDE APPROPRIATE ANTI-RECYCLE TIME DELAYS AND SAFETIES ON COMPRESSOR AND GAS HEATER STAGING.

4.

TEMPERATURE SENSOR (BMS WIRED REMOTE TEMPERATURE SENSOR, BAPI #10K-2-R-Z-CG WALL MOUNT) AND HUMIDITY SENSOR (BMS LOW VOLTAGE WIRED HUMIDITY SENSOR, BAPI #BA/HOX-B-C-X-XX-X WALL MOUNT, WIRED TO WSA10 CONCEALED IN CEILING) LOCATED IN CONDITIONED SPACE AS SHOWN ON PLANS. TEMPERATURE AND HUMIDITY SENSORS SHALL COMMUNICATE WITH BMS WIRELESS THERMOSTAT (DAINTREE NETWORKS #WTS10) LOCATED IN WORKROOM AS INDICATED ON PLANS.

FAN CONTROL

1.

WHILE IN UNOCCUPIED MODE (OR OFF ON SAFETY, OR MANUAL DISCONNECT) THE SUPPLY FAN SHALL BE OFF WITH THE OUTSIDE AIR DAMPER (OAD) CLOSED, THE CONDENSING UNIT AND GAS HEATER OFF, AND THE RETURN AIR DAMPER (RAD) OPEN.

2.

WHEN STARTED IN OCCUPIED MODE, THE SUPPLY FAN SHALL START IN RECIRCULATION MODE, THEN THE OAD AND RAD SHALL OPEN TO THE MINIMUM OUTDOOR AIR POSITION AS DETERMINED DURING AIR BALANCING.

OCCUPIED HEATING CONTROL

1.

UPON A DROP IN ROOM TEMPERATURE BELOW THE ROOM HEATING SETPOINT OF 70°F, GAS HEATER SHALL BE STAGED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. THE REVERSE SHALL OCCUR ON A RISE IN SPACE TEMPERATURE.

2.

DISCHARGE AIR TEMPERATURE (DAT) SENSOR SHALL STAGE THE GAS HEATER TO MAINTAIN A MINIMUM TEMPERATURE OF 50°F DURING THE HEATING SEASON.

OCCUPIED COOLING CONTROL

1.

UPON A RISE IN ROOM TEMPERATURE ABOVE THE ROOM COOLING SETPOINT OF 75°F, THE COOLING CYCLE SHALL BE ACTIVATED.

2.

THE FIRST MEANS OF COOLING SHALL BE ACTIVATION OF THE ECONOMIZER. IF THE OUTSIDE AIR ENTHALPY IS BELOW THE ROOM ENTHALPY, THE OUTSIDE AND RETURN AIR DAMPERS SHALL BE PROPORTIONALLY MODULATED UP TO 100% OUTDOOR AIR TO MAINTAIN SPACE TEMPERATURE SETPOINT. DAT SENSOR SHALL OVERRIDE, IF REQUIRED, TO LIMIT SUPPLY AIR TEMPERATURE TO 55°F MINIMUM DURING ECONOMIZER COOLING (LIMIT SHALL NOT RESULT IN REDUCTION OF THE MINIMUM OUTDOOR AIRFLOW). IF ADDITIONAL COOLING IS REQUIRED, THE CONDENSING UNIT'S COMPRESSORS SHALL BE STAGED ON AS REQUIRED. FOR LOW LOAD OPERATION, HOT GAS BYPASS (HGB) SHALL BE USED. THE REVERSE SHALL OCCUR ON A DROP IN SPACE TEMPERATURE BELOW COOLING SETPOINT.

3.

IF THE OUTSIDE AIR ENTHALPY RISES ABOVE THE ROOM AIR ENTHALPY, THE ECONOMIZER SHALL BE POSITIONED TO PROVIDE MINIMUM OUTDOOR AIRFLOW, AND THE CONDENSING UNIT STAGED TO MAINTAIN ROOM COOLING SETPOINT TEMPERATURE. DAT SENSOR SHALL LIMIT SUPPLY AIR TO 48°F MINIMUM, DURING MECHANICAL COOLING.

OCCUPIED DEHUMIDIFICATION CONTROL

1.

IF ROOM RELATIVE HUMIDITY (RH) RISES ABOVE 62% FOR TEN MINUTES AS MEASURED BY HR, DEHUMIDIFICATION CYCLE SHALL BE ACTIVATED.

2.

WHEN ACTIVATED, COOLING COIL LEAVING AIR TEMPERATURE (CCLT) SENSOR SHALL STAGE THE CONDENSING UNIT TO MAINTAIN 56°F. ROOM TEMPERATURE SENSOR (TR) SHALL STAGE GAS HEATER AS REQUIRED TO MAINTAIN HEATING SETPOINT OF 70°F.

3.

WHEN RH FALLS BELOW 58% FOR TEN MINUTES, DEHUMIDIFICATION CYCLE SHALL END.

UNOCCUPIED CONTROL

1.

WHEN THE UNIT IS OFF, IF THE ROOM TEMPERATURE FALLS BELOW 56°F, THE UNIT SHALL START WITH RAD OPEN, AND OAD CLOSED; GAS HEATER SHALL BE CONTROLLED BY DAT SENSOR TO SUPPLY 90°F AIR. WHEN ROOM TEMPERATURE RISES ABOVE 60°F, THE UNIT SHALL SHUT DOWN.

2.

BUTTON ON THERMOSTAT SHALL ALLOW 2-HOUR OVERRIDE FROM UNOCCUPIED TO OCCUPIED CONTROL.

WARM-UP CONTROL

1.

DDC CONTROLLER SHALL PROVIDE OPTIMUM START CAPABILITY. IF SPACE TEMPERATURE IS BELOW 63°F, WARM-UP SHALL BE DONE WITH RAD OPEN, OAD CLOSED, AND GAS HEATER CONTROLLED BY DAT SENSOR TO SUPPLY 90°F AIR. WHEN ROOM TEMPERATURE RISES ABOVE 69°F, OCCUPIED MODE SHALL START.

SAFETIES

1.

THE FOLLOWING SAFETIES EACH WITH ITS OWN MANUAL RESET BUTTON, SHALL SHUT DOWN THE UNIT VIA HARDWARE.

a.

ANY FREEZE/STAT (FZ) SHALL SHUTDOWN THE UNIT WHENEVER THE TEMPERATURE IS LESS THAN 35°F AND ALL DAMPER SHALL CLOSE.

b.

WHEN ANY SMOKE DETECTOR (SDET) IS ACTIVATED THE UNIT SHALL SHUT DOWN AND ALL DAMPERS SHALL CLOSE.

ALARMS

1.

IF THE SUPPLY FAN FAILS, OR IF ANY SAFETY IS TRIPPED, THE DDC CONTROLLER SHALL GIVE A DETAILED ALARM SIGNAL TO THE FRONT END.

2.

IF FILTER PRESSURE DROP EXCEEDS SETPOINT (INITIALLY 0.6" W.G.) FOR 10 MINUTES, THE DDC CONTROLLER SHALL GIVE A DETAILED ALARM SIGNAL TO THE FRONT END.

LOSS OF POWER

1.

PROVIDE AUTOMATIC RE-START UPON POWER FAILURE AND UPON RETURN TO NORMAL POWER.

SPLIT SYSTEM SCHEDULE											
MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	TOTAL COOLING (BTUH)	SEER	HEATING CAPACITY (MBH AT 47° / 5°)	ELECTRICAL			WEIGHT (LBS)	REMARKS
							V / Ø / HZ	MCA	MOCP		
IU-1 / OU-1	MITSUBISHI	PUY-A18NKAT / PKA-A18LA	265 / 310 / 385 / 455	18,000	19.8	-	208/1/60	11	30	30	1-11
IU-2 / OU-2	MITSUBISHI	SEZ-KD12NA4R1 / SUZ-KA12NA2	247 / 317 / 388	12,000	20.5	15,000 / 7,900	208/1/60	9	16	50	1-4,6,7,9,10-12
REMARKS: 1. PROVIDE THERMAL OVERLOAD PROTECTION. 2. 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. 3. PROVIDE LIQUID LINE SPECIALTIES INCLUDING FILTER DRIER, SIGHT GLASS, TXV, SOLENOID VALVE, 24V 1ph CONTROL WIRE BY CONTROLS CONTRACTOR. 4. PROVIDE WALL MOUNTED WIRELESS REMOTE CONTROL THERMOSTAT. 5. PROVIDE WITH INTEGRAL CONDENSATE PUMP AND FREEZE PROTECTION (LOW AMBIENT OPERATION). 6. PROVIDE REFRIGERANT PIPING SIZED AS PER MANUFACTURER'S RECOMMENDATIONS. "ACR" COPPER ONLY. 7. PROVIDE CRANKCASE HEATER. 8. PROVIDE PIPING FOR AUXILIARY DRAIN CONNECTION IF AVAILABLE. 9. PROVIDE LOW AMBIENT KIT FOR WINTER COOLING DOWN TO 0 DEG F AMBIENT OUTSIDE AIR TEMPERATURE. 10. PROVIDE WITH BMS WIRELESS THERMOSTAT AND ADAPTER (MITSUBISHI PAC-US444CN-1). 11. COORDINATE ROUTING AND SIZING OF REFRIGERANT PIPING WITH MANUFACTURER. 12. CONDENSATE ROLL AND GRAVITY DRAIN TO OUTSIDE.											

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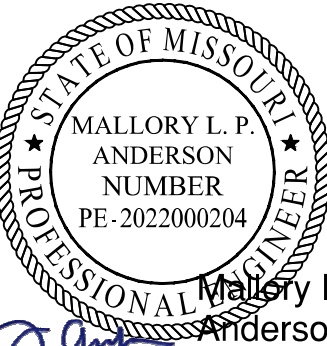
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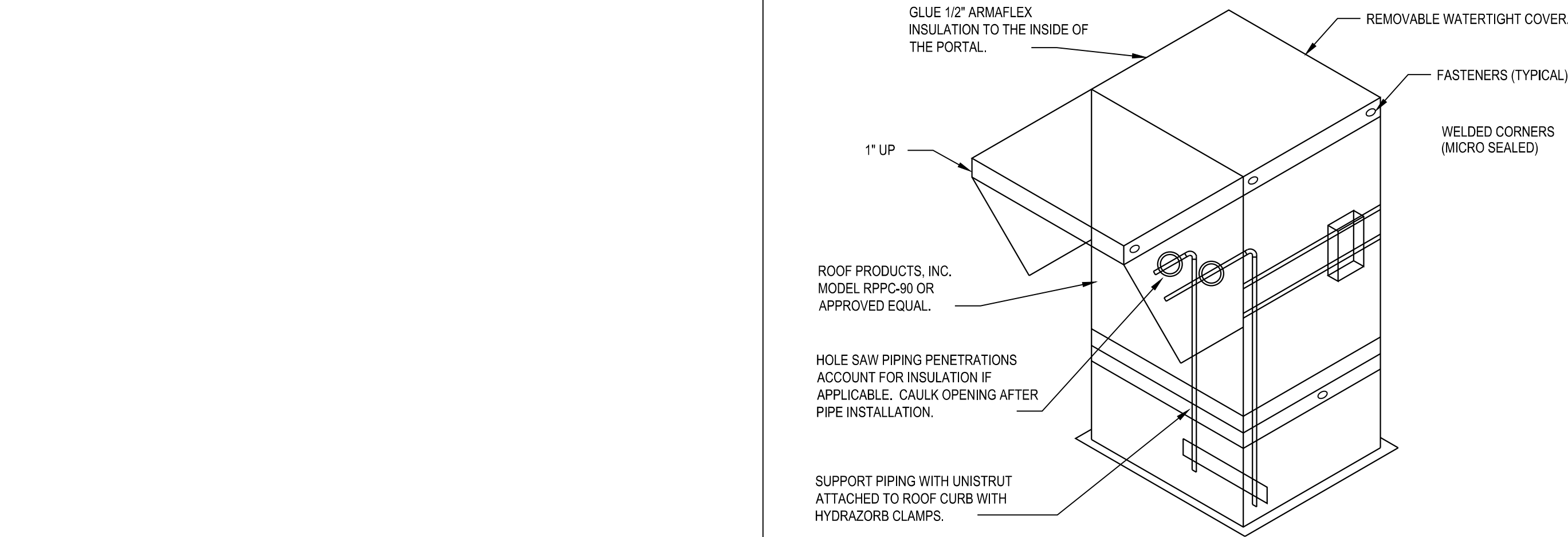
MECHANICAL SCHEDULES

02/04/2022

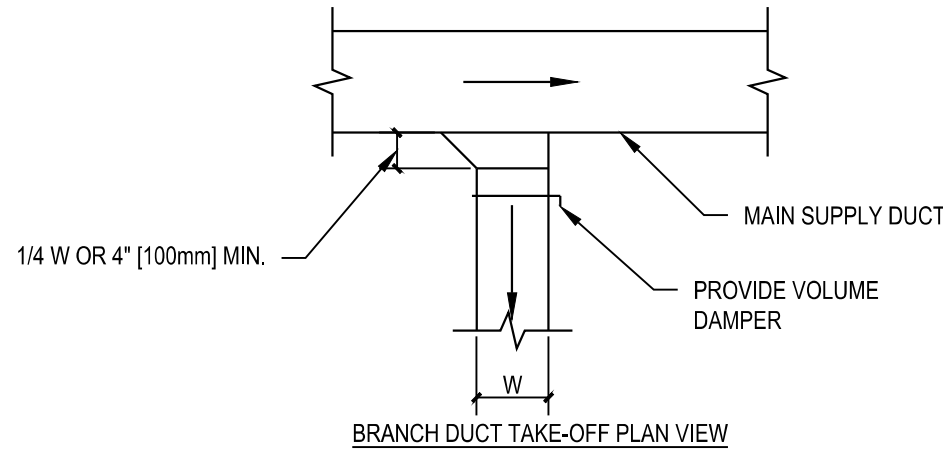
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M-3

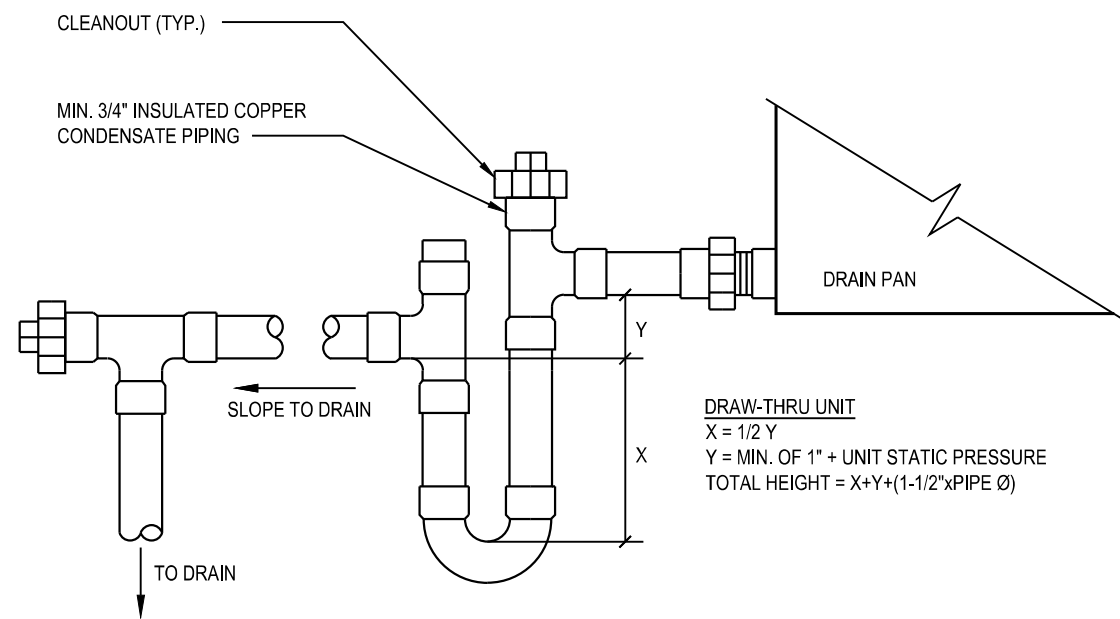




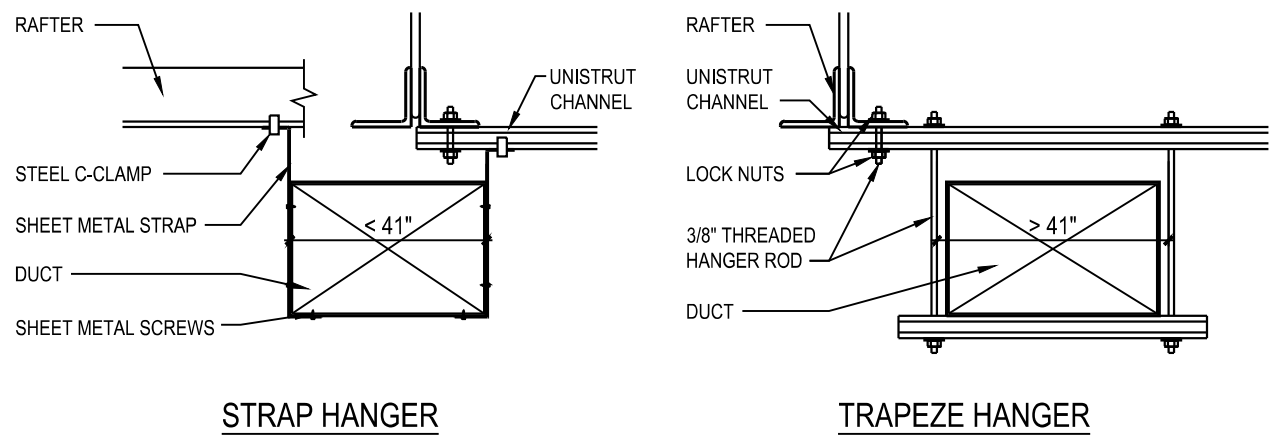
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ROOF PENETRATION PIPING DETAIL  
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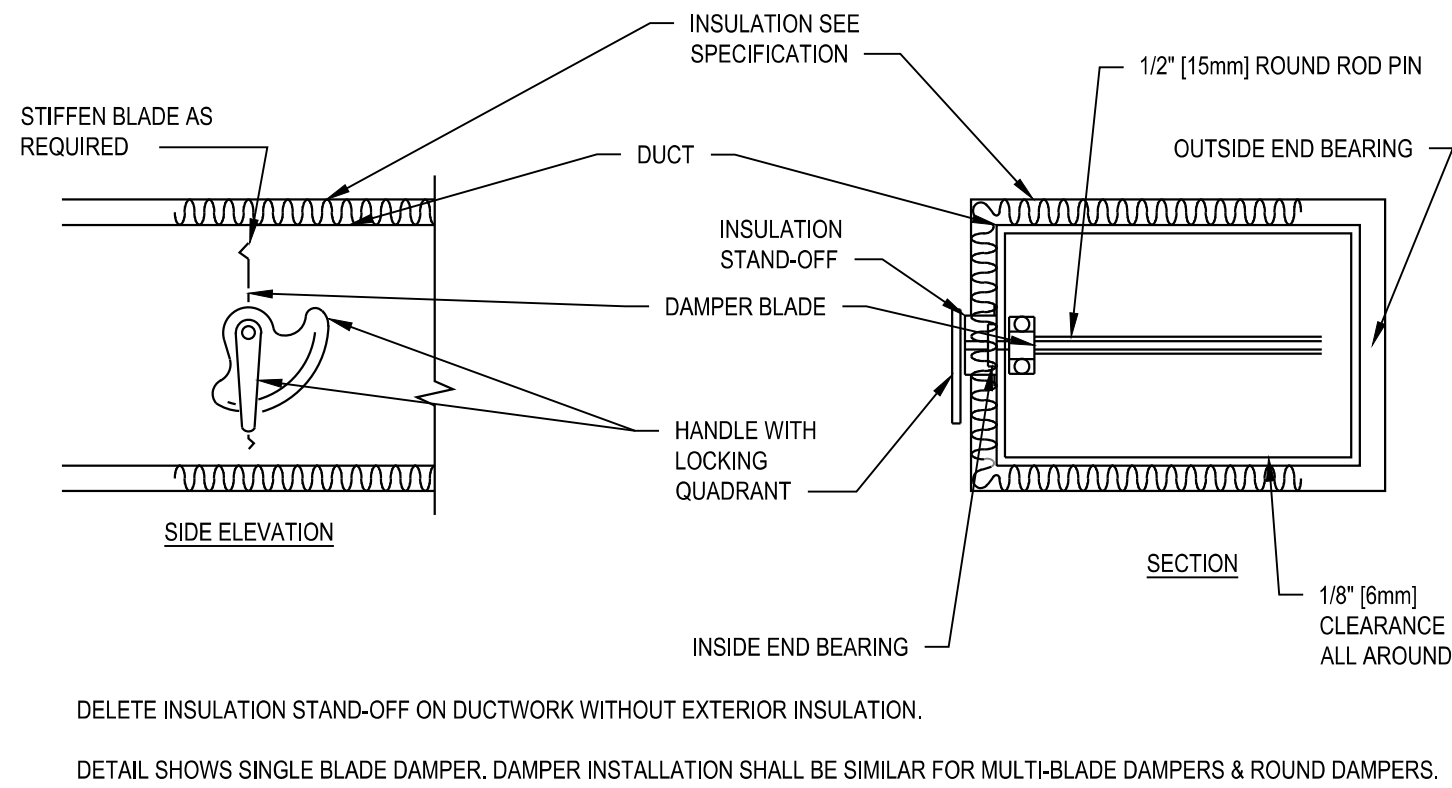
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SUPPLY DUCTWORK TAKE-OFF  
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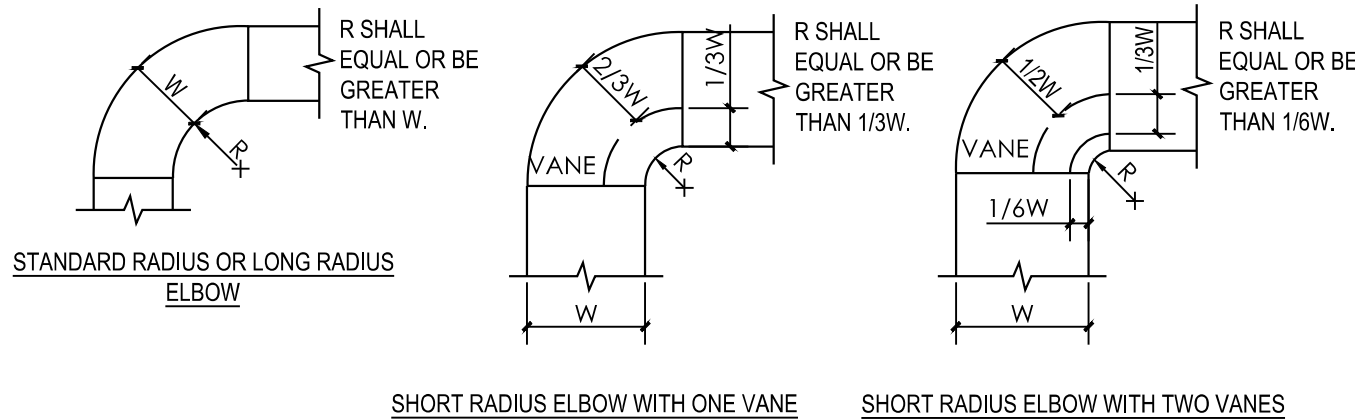
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CONDENSATE DRAIN TRAP  
N.T.S.



8  
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SUSPENDED DUCT SUPPORT  
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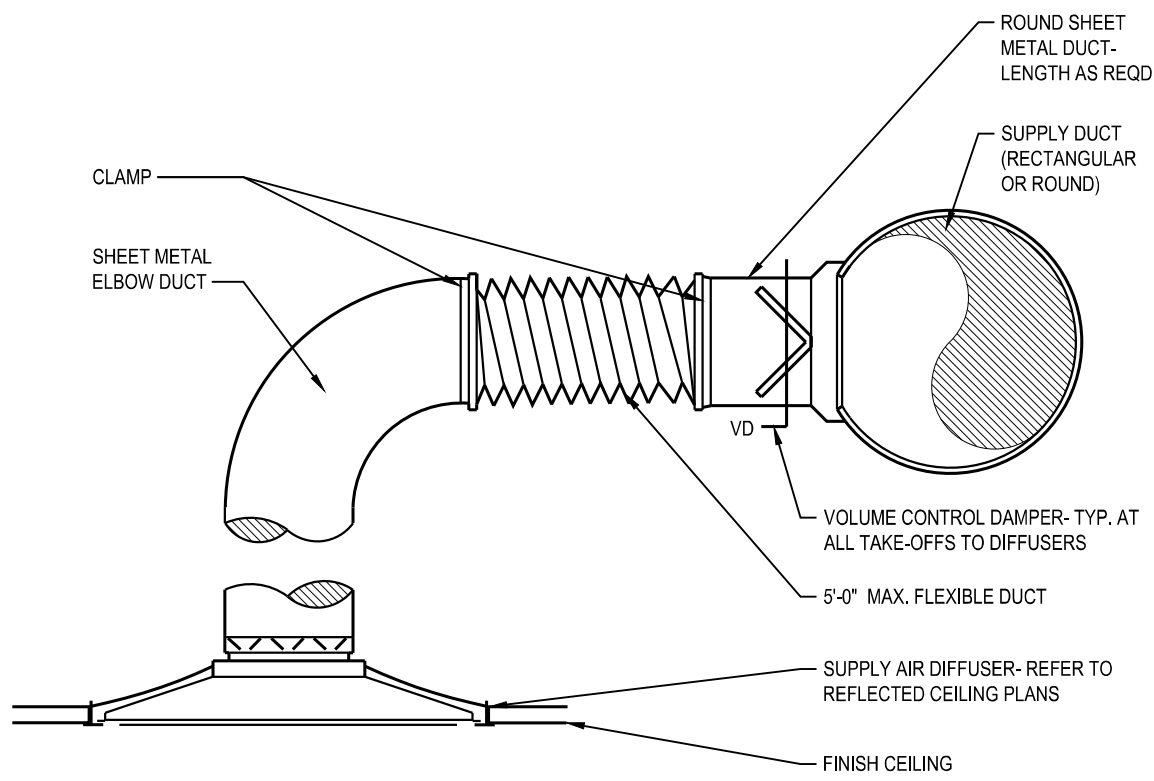


7  
M4  
VOLUME DAMPER  
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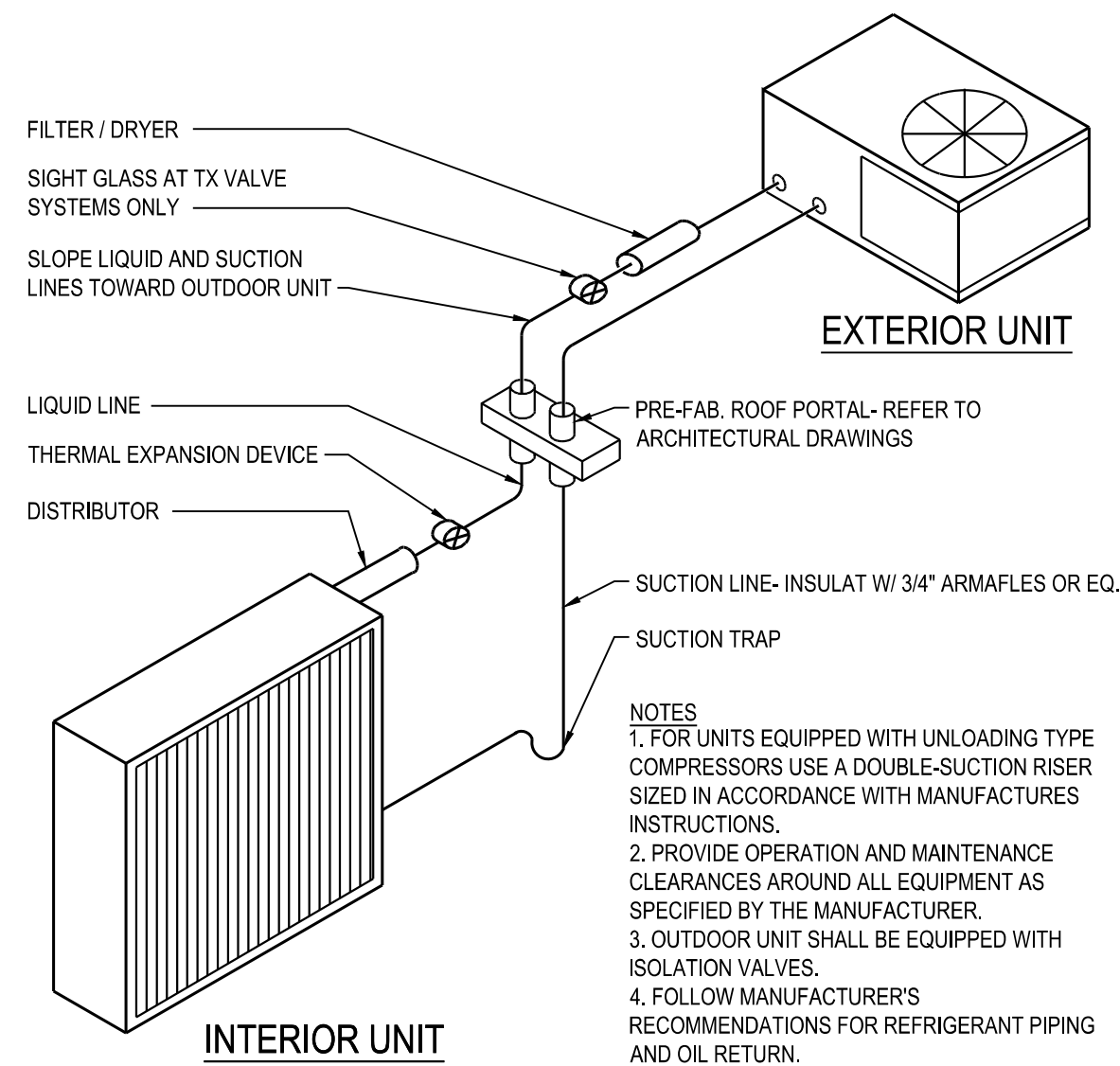


- NOTE:
- THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
  - ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

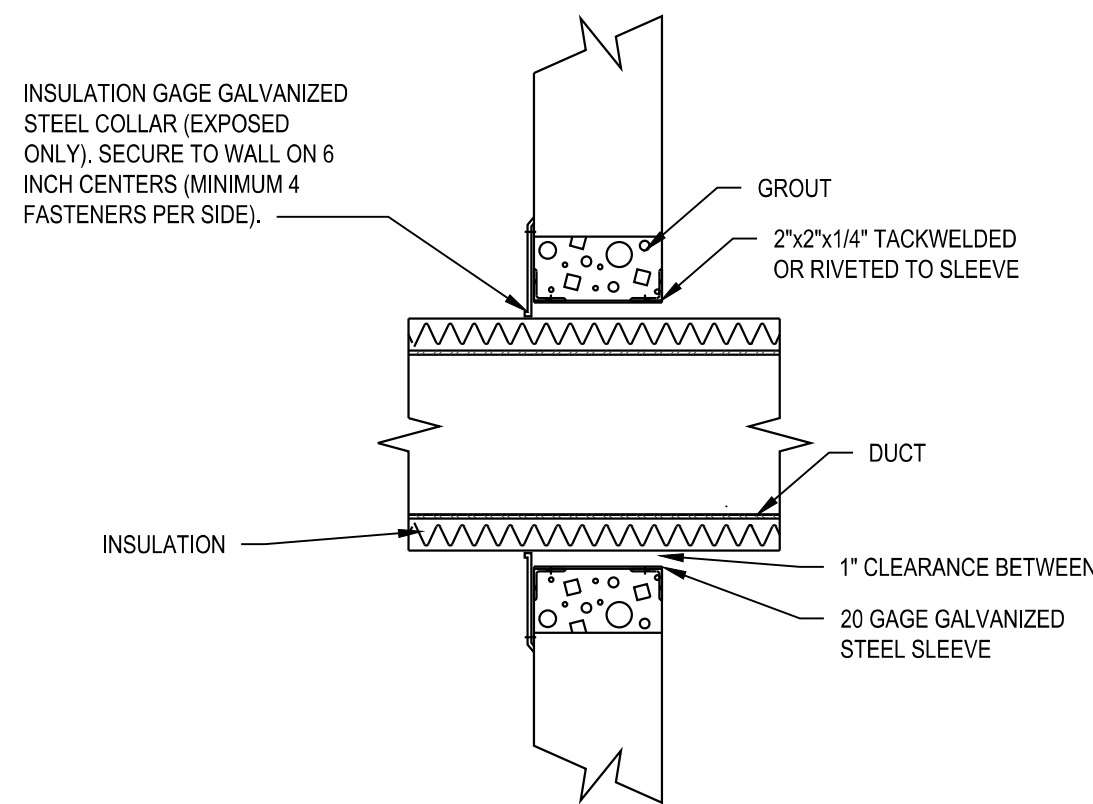
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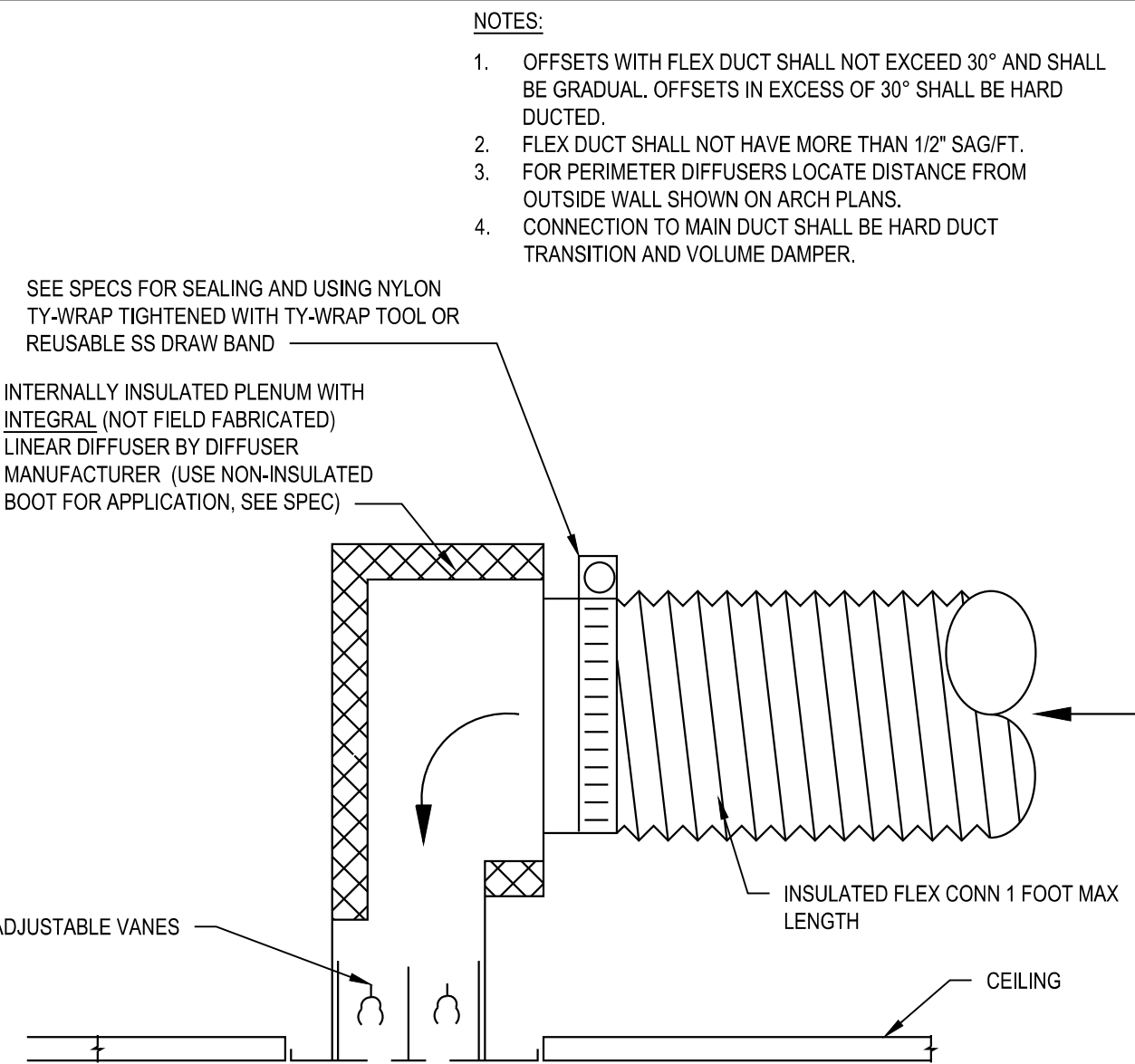
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SUPPLY AIR TERMINAL  
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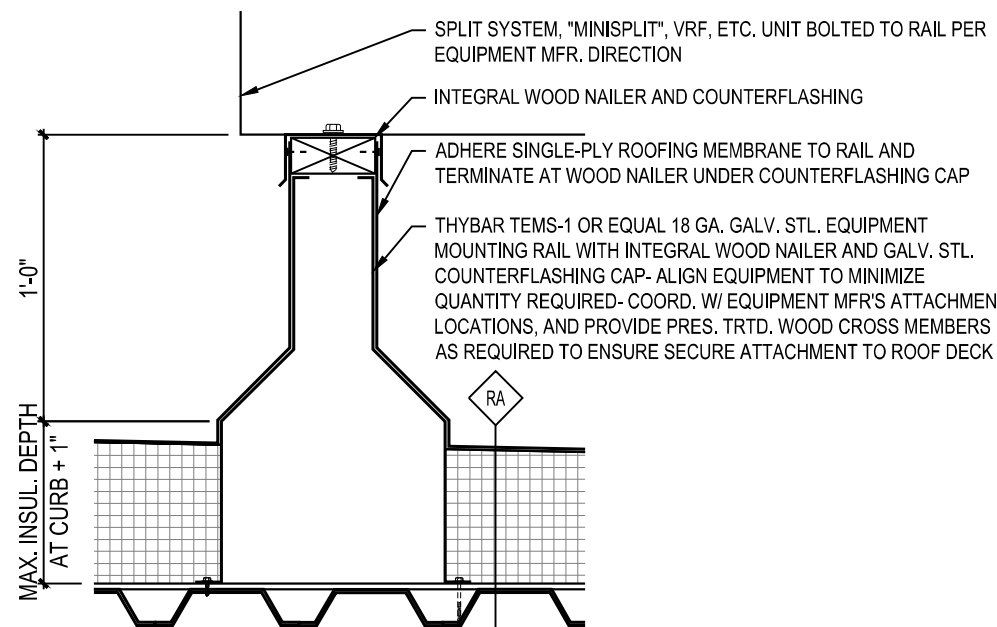
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M4  
REFRIGERANT PIPING  
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3  
M4  
DUCT PENETRATION THROUGH WALL  
N.T.S.



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M4  
LINEAR DIFFUSER CONNECTION  
N.T.S.



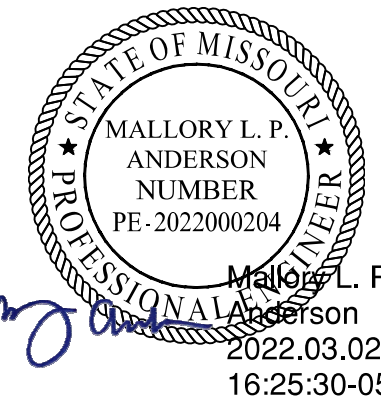
1  
M4  
ROOFTOP EQUIPMENT CURB RAIL  
N.T.S.

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MECHANICAL DETAILS

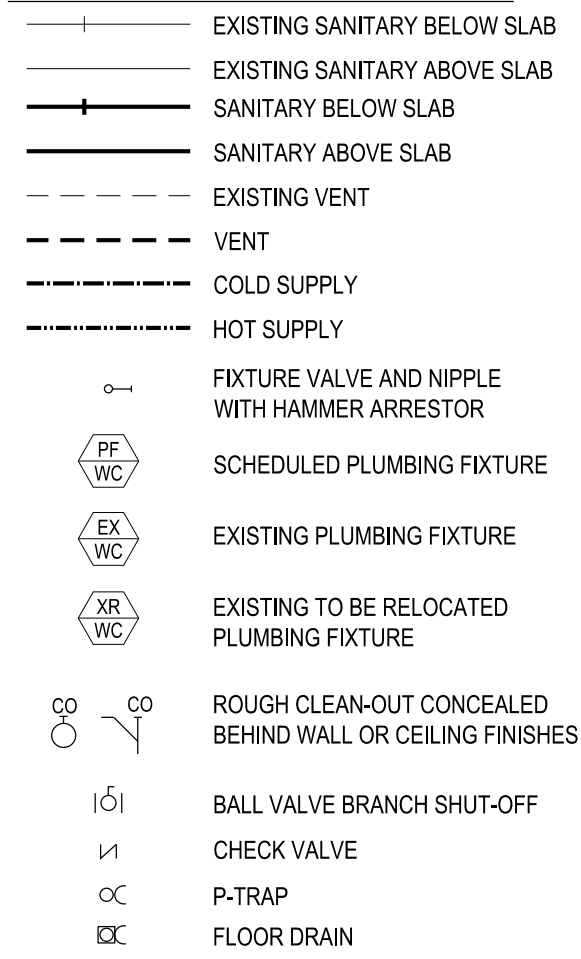
02/04/2022

SHEET

M-4



PLUMBING SYMBOLS LEGEND



PLUMBING GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE COMPLETE PLUMBING SYSTEMS AS DETAILED ON THESE DRAWINGS. 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 CONTRACTORS 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 42" 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 RPZ.

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	COMPONENT	MANUFACTURER	MODEL	CW	HW	SAN	VENT	FINISH	NOTES
PF-WC	FLOOR-MOUNT WATER CLOSET	WATER CLOSET	KOHLER	K-3519/3519-RA HIGHLINE	1/2"	---	4"	2"	WHITE/CHROME	
		OPEN-FRONT SEAT	KOHLER	K-4650					WHITE	
		SUPPLY	---	---					POL. CHROME	3/8" NPT RIGHT ANGLE VALVE WITH LOOSE KEY STOP AND ANNEALED CHROME-PLATED COPPER RISER
PF-LAV	WALL-MOUNT LAVATORY	LAVATORY	AMERICAN STANDARD	0356.115/137 LUCERNE	1/2"	1/2"	2"	2"	WHITE	COORD. MODEL NUMBER TO POSITION SOAP DISPENSER AT WALL-SIDE OF LAV.
		STRAINER	AMERICAN STANDARD	2411.015					POL. CHROME	WITH OVERFLOW AND TAILPIECE
		P-TRAP	---	1 1/4"					POL. CHROME	WITH ESCUTCHEON AND CLEANOUT
		FAUCET	SLOAN	EAF-200-P-JSM					POL. CHROME	WITH AC POWER ADAPTER
		SUPPLIES	---	3/8"					POL. CHROME	POL. CHROME FLEX TUBE SUPPLIES, ESCUTCHEONS AND KEY STOPS
		LAV GUARD	TRUEBRO	LAV GUARD 2 EZ-SERIES					WHITE	COVER TAILPIECE, P-TRAP, SUPPLIES AND VALVES
		SOAP DISPENSER	---	---					---	REFER TO TOILET ACCESSORIES SCHEDULE
PF-SINK	LOUNGE SINK	SINGLE-BOWL SINK	ELKAY	LRAD 202255-MR2	1/2"	1/2"	2"	2"	STAINLESS STEEL	
		STRAINER	---	3 1/2"					STAINLESS STEEL	
		P-TRAP	---	---					PVC	
		FAUCET	ELKAY	LK3000CR					POL. CHROME	INSTALL OPTIONAL 2.2GPM FLOW REGULATOR
		SUPPLIES	---	3/8"					---	FLEX HOSE SUPPLIES AND POL. CHROME KEY STOPS
PF-MOP	MOP SINK	FLOOR SINK	MUSTEE	63M	3/4"	3/4"	3"	2"	WHITE	
		FAUCET	MUSTEE	63.600A					CHROME	WITH INTEGRAL VACUUM BREAKERS
		HOSE AND BRACKET	MUSTEE	65.700					STAINLESS STL.	SHORTEN HOSE TO PROVIDE AIR GAP
		MOP HANGER	MUSTEE	65.600					STAINLESS STL.	
		SPLASHES	BY G.C.	FRP-1					FRP	REFER TO INTERIOR ELEVATIONS
PF-WH	DOMESTIC WATER HEATER	WATER HEATER	A.O. SMITH	EJC-10	1-1/4"	1-1/4"	---	---	---	OR EQUAL 10-GAL ELEC. WATER HEATER, 6KW ELEMENT, 240V/1PH ALT. TANKLESS ELECTRIC OR GAS-FIRED UNIT, SIZED AS REQD.
		WALL-MT. BRACKET / DRIP PAN	HOLDRITE	40 SWHP-W					---	MAINTAIN 81" MIN. HEADROOM CLEARANCE TO FLOOR BELOW
PF-DF	DRINKING FOUNTAIN	---	ELKAY	EZSTL8WSSK	1/2"	---	2"	2"	STAINLESS STEEL	WITH BOTTLE FILLER
PF-WHB	WALL HOSE BIB	---	WOODFORD	B65	3/4"	---	---	---	CHROME	18" ABOVE T.O. FND.
PF-RHB	ROOF HOSE BIB	---	WOODFORD	RHY1-MS	3/4"	---	---	---	PRE-FIN. PAINT	
PF-FD	FLOOR DRAIN	FLOOR DRAIN	ZURN	415S-Y-P	---	---	3"	2"	NICKEL BRONZE	W/ SEDIMENT BUCKET
		TRAP SEAL	JAY R. SMITH	2692-04	---				---	
PF-RD1	ROOF DRAIN- LARGE	---	ZURN	ZC100-DP-VP	---	---	REFER TO DRAWINGS	---	CAST IRON	PROVIDE PERIMETER BLOCKING TO RAISE DECK PLATE TO ROOFING LEVEL; INCLUDES DECK MOUNTING PLATE AND SECURED STRAINER
PF-OD1	ROOF OVERFLOW- LARGE	---	ZURN	ZC100-DP-VP-89	---	---	REFER TO DRAWINGS	---	CAST IRON	PROVIDE PERIMETER BLOCKING TO RAISE DECK PLATE TO ROOFING LEVEL; INCLUDES DECK MOUNTING PLATE, SECURED STRAINER AND OVERFLOW DAM
PF-DN1	DOWNSPOUT NOZZLE	---	ZURN	ZANB199-SS 4"	---	---		---	NICKEL BRONZE	4" DIA., WITH REMOVABLE SCREEN
PF-GCO	GROUND CLEAN-OUT	---	ZURN	Z1440/Z1475	---	---		---	STAINLESS STEEL	
PF-WCO	WALL CLEAN-OUT	---	ZURN	Z1446	---	---	---	---	STAINLESS STEEL	
PF-FCO	FLOOR CLEAN-OUT	---	ZURN	ZS1400	---	---	---	---	STAINLESS STEEL	

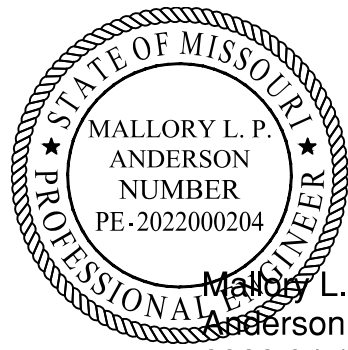
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1	04/11/2022	PERMIT REVISIONS

CHASE

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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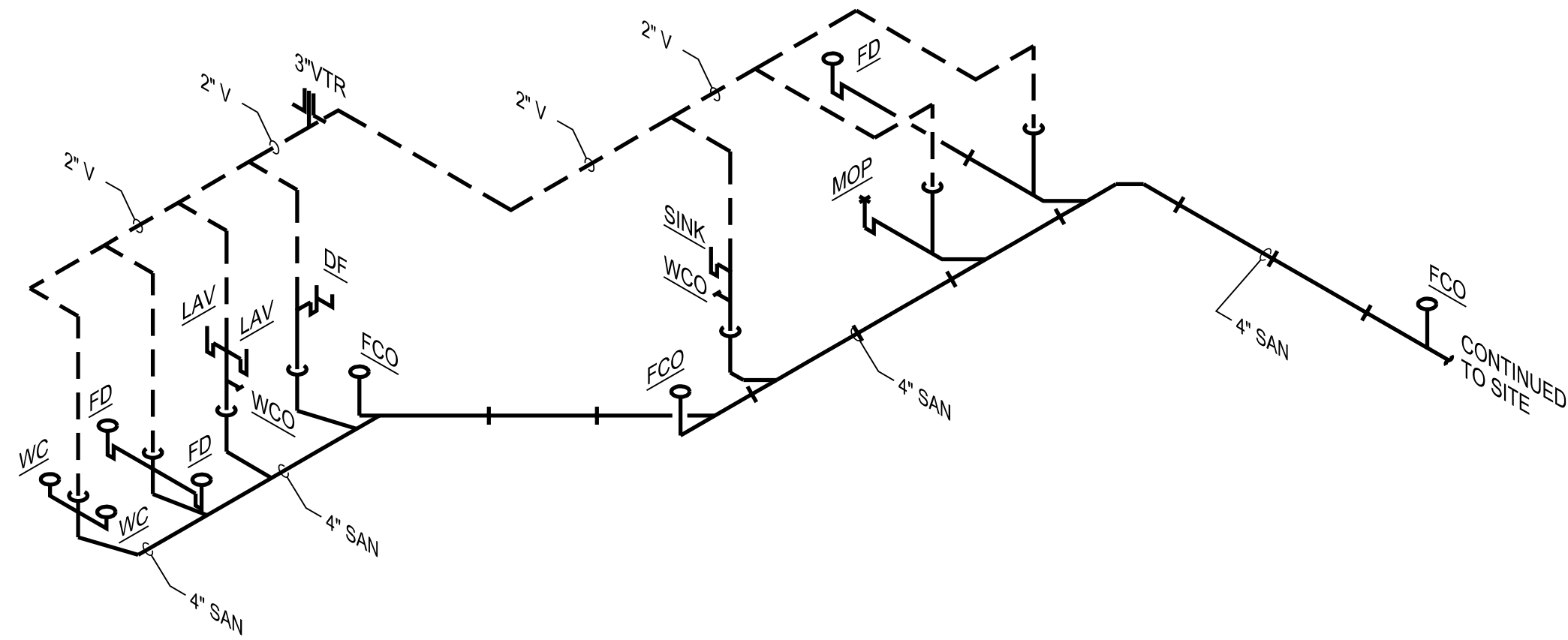
PLUMBING GENERAL NOTES  
LEGEND AND SCHEDULES

02/04/2022

SHEET

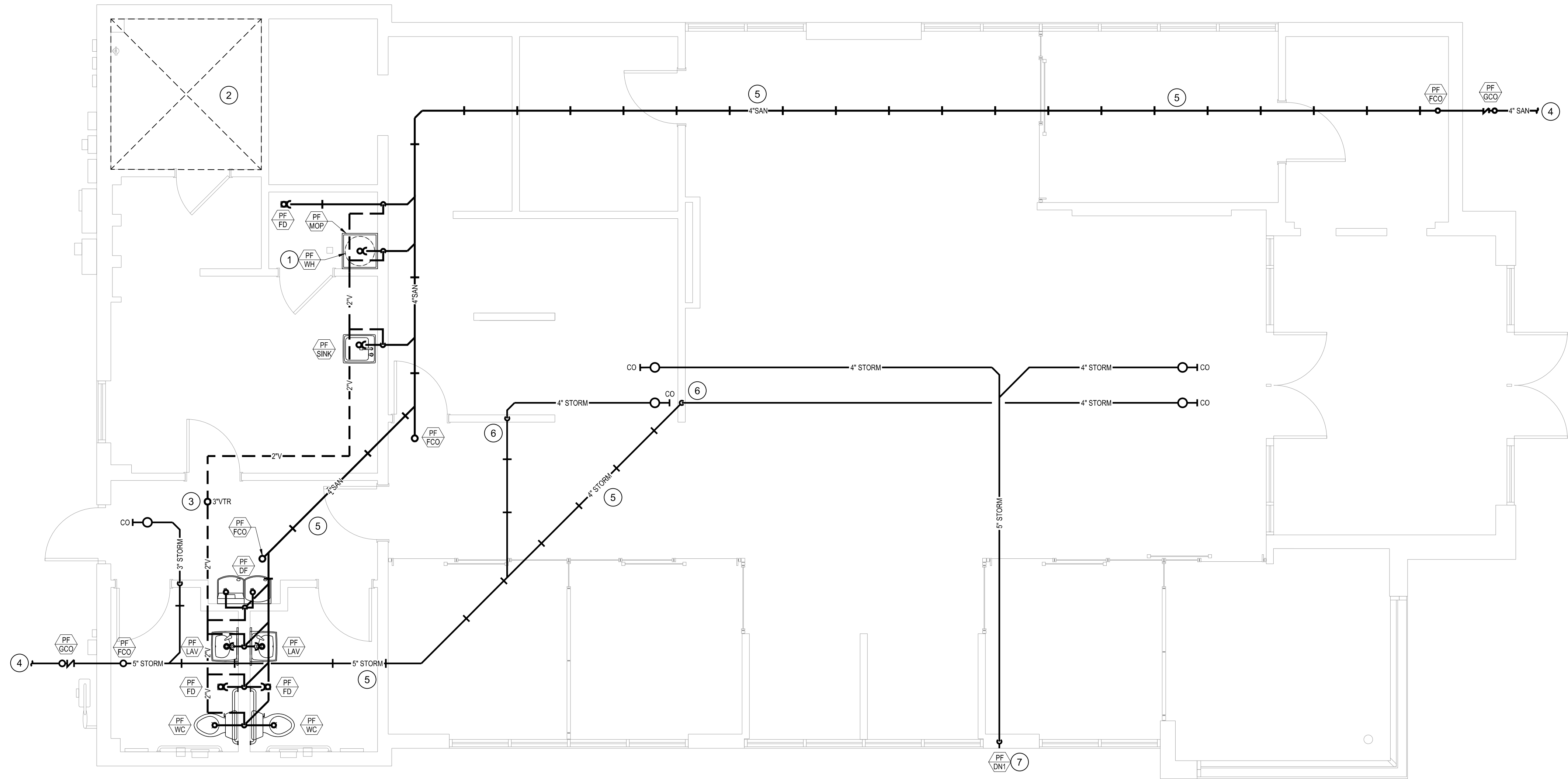
P-0





2  
P1  
PIPING SCHEMATIC  
NO SCALE

- # SHEET NOTES
1. SCHEDULED WATER HEATER AND WALL-MOUNT PLATFORM WITH DRIP PAN ABOVE MOP SINK, REFER TO DETAIL ON SHEET P-4.
  2. NO PLUMBING SHALL BE ROUTED THROUGH DATA ROOM.
  3. VENT THROUGH ROOF. COORDINATE LOCATION WITH RTU OUTSIDE AIR INTAKES. VTR SHALL NOT BE WITHIN 10'-0" OF OUTSIDE AIR INTAKES.
  4. CONTINUED TO SITE, REFER TO CIVIL DRAWINGS FOR CONTINUATION.
  5. COORDINATE ALL UNDERSLAB ROUTING WITH STRUCTURAL MEMBERS AND FOOTINGS, TYPICAL THROUGHOUT BUILDING.
  6. STORM DRAIN ROUTED WITHIN WALL TO BELOW SLAB.
  7. SET DOWNSPOUT NOZZLE INVERT 1'-0" ABOVE TOP OF FOUNDATION.



1  
P1  
SANITARY SEWER - FLOOR PLAN  
1/4" = 1'-0"

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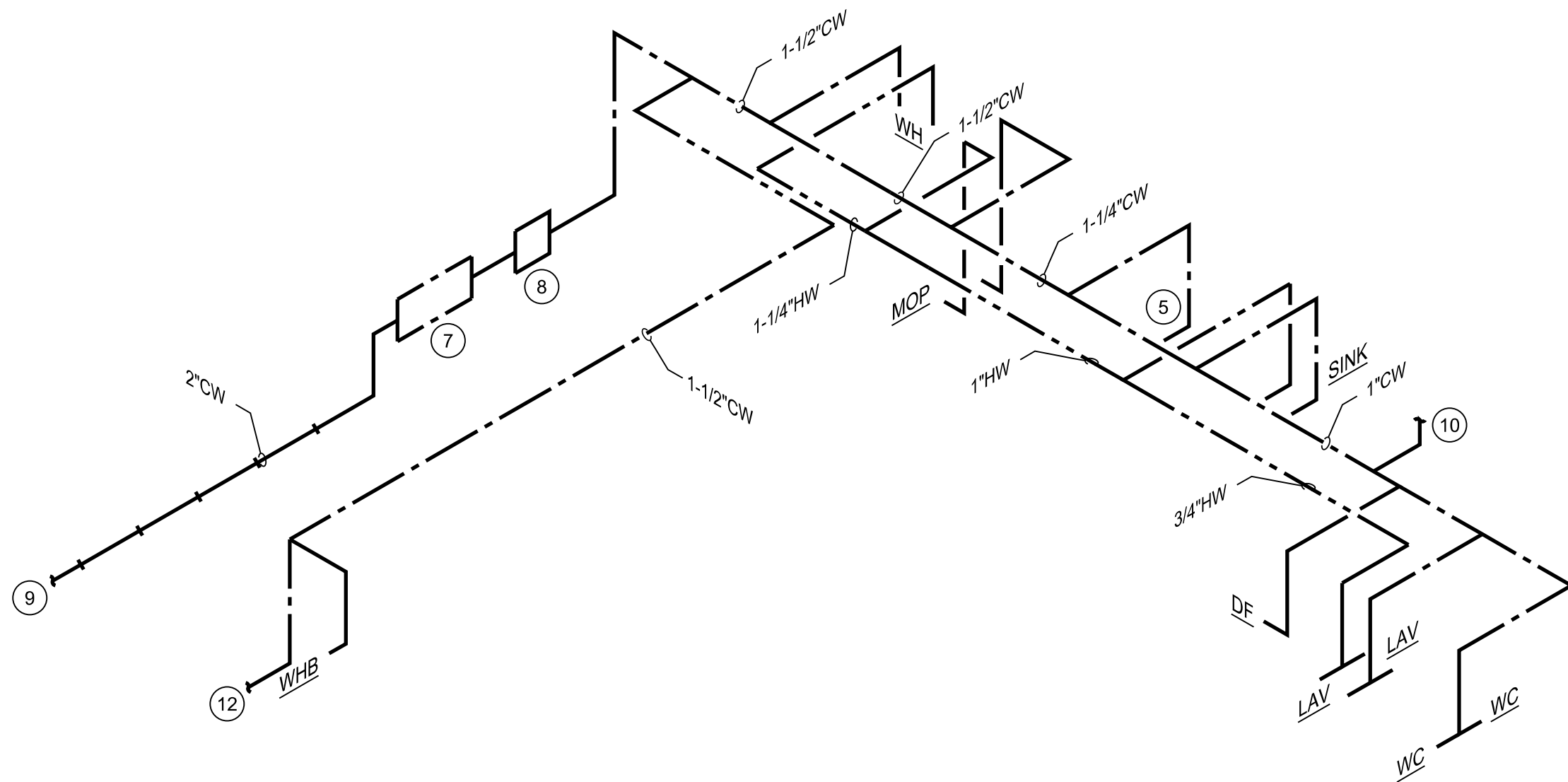
PLUMBING SANITARY  
SEWER FLOOR PLAN

02/04/2022

SHEET

P-1





2 DOMESTIC WATER - PIPING SCHEMATIC  
P2 NTS



1 DOMESTIC WATER - FLOOR PLAN  
P2 1/4" = 1'-0"

- # SHEET NOTES
1.

SCHEDULED WATER HEATER AND WALL-MOUNT PLATFORM WITH DRIP PAN ABOVE MOP SINK. REFER TO DETAIL ON SHEET P-4.
2.

NO PLUMBING SHALL BE ROUTED THROUGH DATA ROOM.
3.

3/4" CW AND 3/4" HW ROUTED TO MOP SINK.
4.

PROVIDE WATER HAMMER ARRESTOR DEVICE. REFER TO DETAIL ON SHEET P-4 FOR LOCATION AND QUANTITY REQUIREMENTS.
5.

1/2" CW TO COFFEE MAKER. PROVIDE WITH BACKFLOW PREVENTER.
6.

1-1/4"HW AND 1-1/4"CW ROUTED TO/FROM HOT WATER HEATER.
7.

LOCATION OF BACKFLOW PREVENTER ASSEMBLY. PROVIDE BACKFLOW PREVENTER TESTING TO ENSURE PROPER FUNCTION. REFER TO DETAIL ON SHEET P-3.
8.

LOCATION OF WATER METER AND BUILDING MAIN SHUT-OFF VALVE.
9.

UNDERGROUND DOMESTIC WATER CONTINUED TO SITE. COORDINATE WITH CIVIL.
10.

3/4" CW ROUTED TO HOSE BIBB ON ROOF. REFER TO SHEET P-3 FOR CONTINUATION.
11.

LOCATION OF NEW GAS METER. 1-1/4" GAS PIPING ROUTED ON EXTERIOR OF BUILDING TO ROOF. REFER TO SHEET P-3 FOR CONTINUATION.
12.

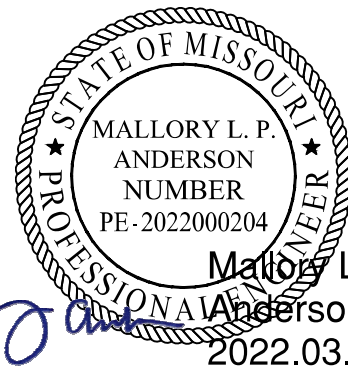
CONTINUED TO IRRIGATION ZONES. REFER TO CIVIL.
13.

LANDSCAPE IRRIGATION SYSTEM CONTROLLER AND WIRELESS NETWORK LINK. PROVIDE WITH DEDUCT METER. PROVIDE WITH 25 GPM BACKFLOW PREVENTER. PROVIDE BACKFLOW PREVENTER TESTING TO ENSURE PROPER FUNCTION.

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PLUMBING DOMESTIC  
WATER FLOOR PLAN

02/04/2022

SHEET

P-2



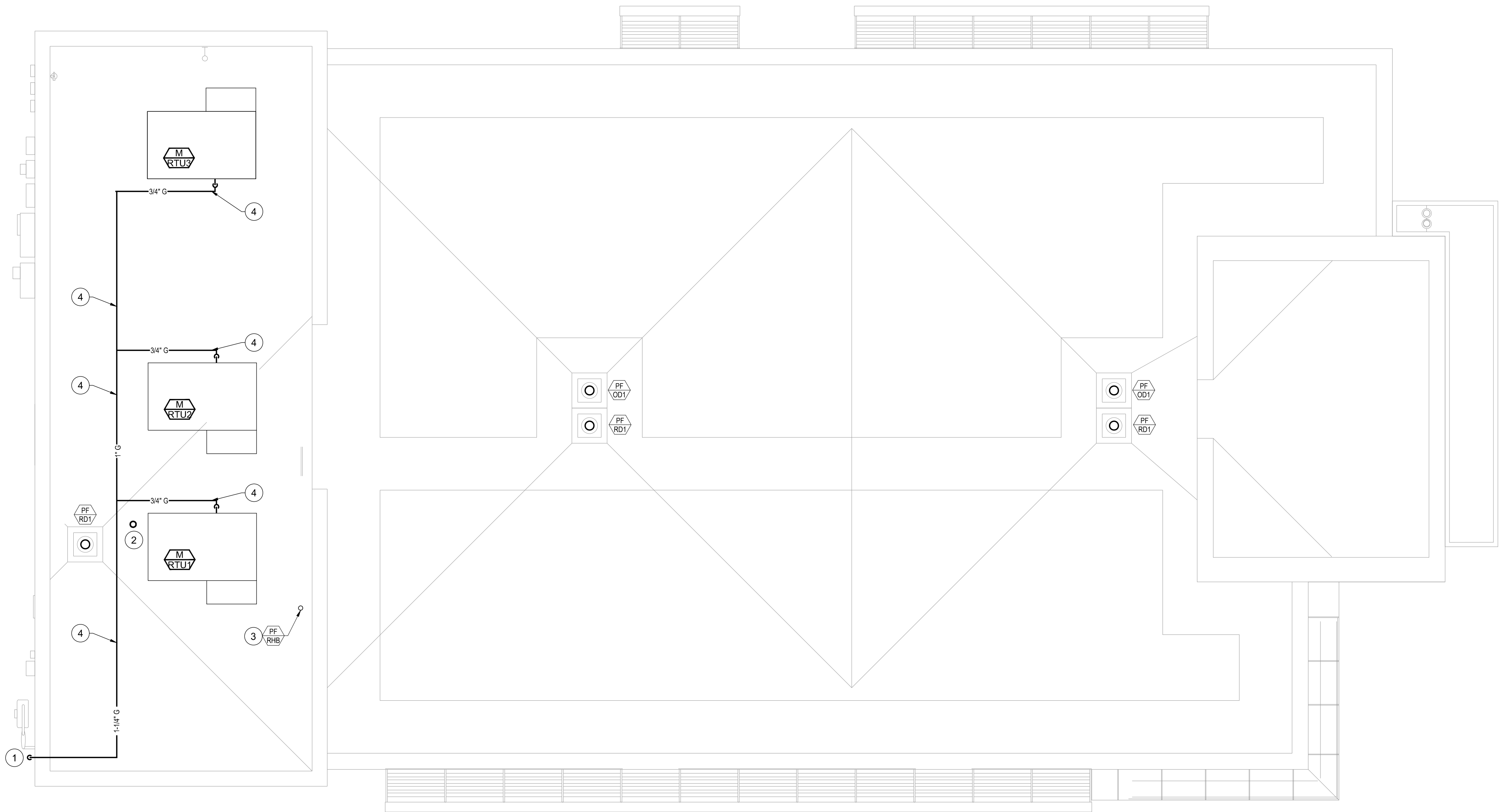
- #SHEET NOTES
1.

GAS PIPING ROUTED ON EXTERIOR OF BUILDING TO GAS METER. REFER TO P-2 FOR CONTINUATION.
2.

3" VENT THROUGH ROOF LOCATED A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKES. COORDINATE EXACT LOCATION WITH ROOFTOP UNITS.
3.

3/4" CW ROUTED TO RHB FROM FLOOR BELOW.
4.

COORDINATE ROUTING OF GAS PIPING WITH WALKPADS ON ROOF. AVOID INTERFERENCE WITH WALKPADS AND RTU ACCESS CLEARANCES AS MUCH AS POSSIBLE.



1  
P3

PLUMBING - ROOF PLAN  
1/4" = 1'-0"

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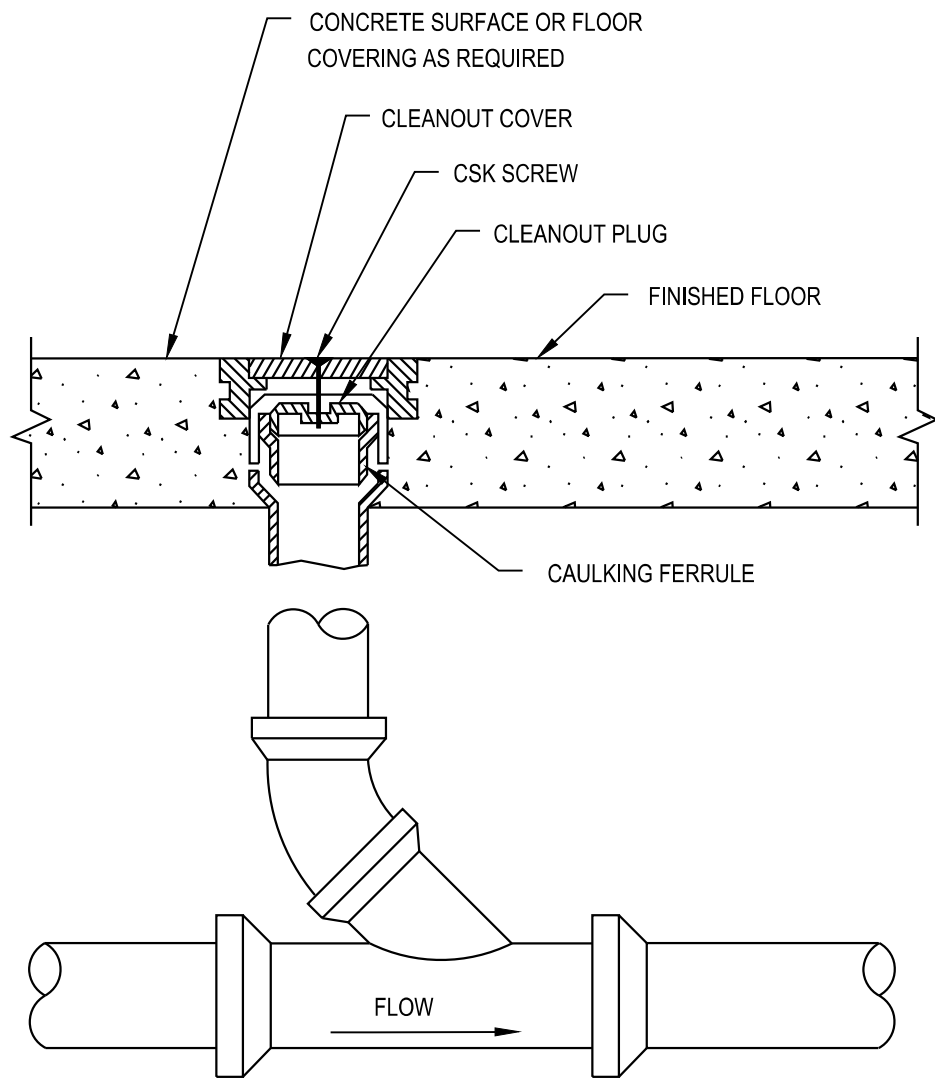
PLUMBING ROOF PLAN

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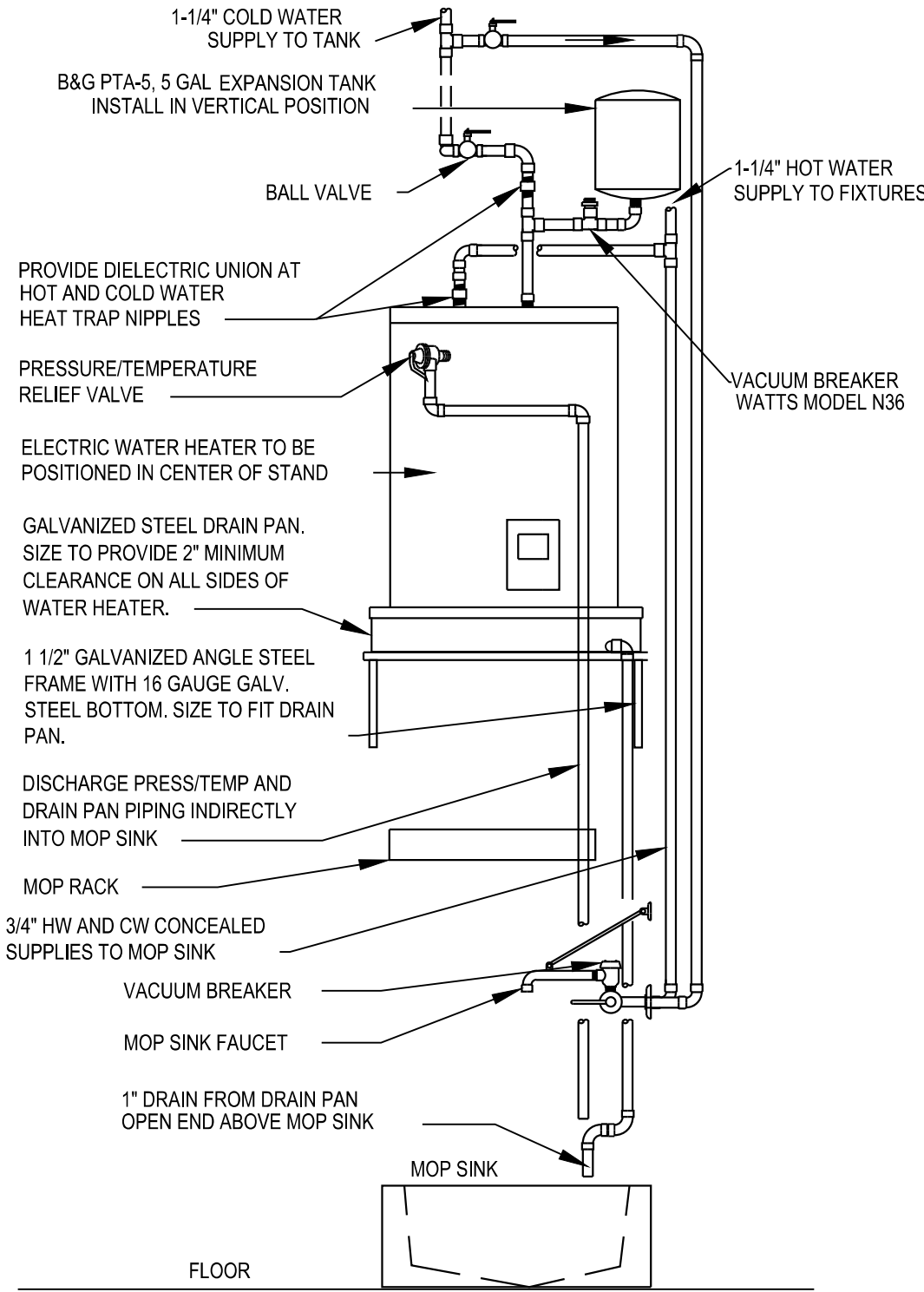
SHEET

P-3

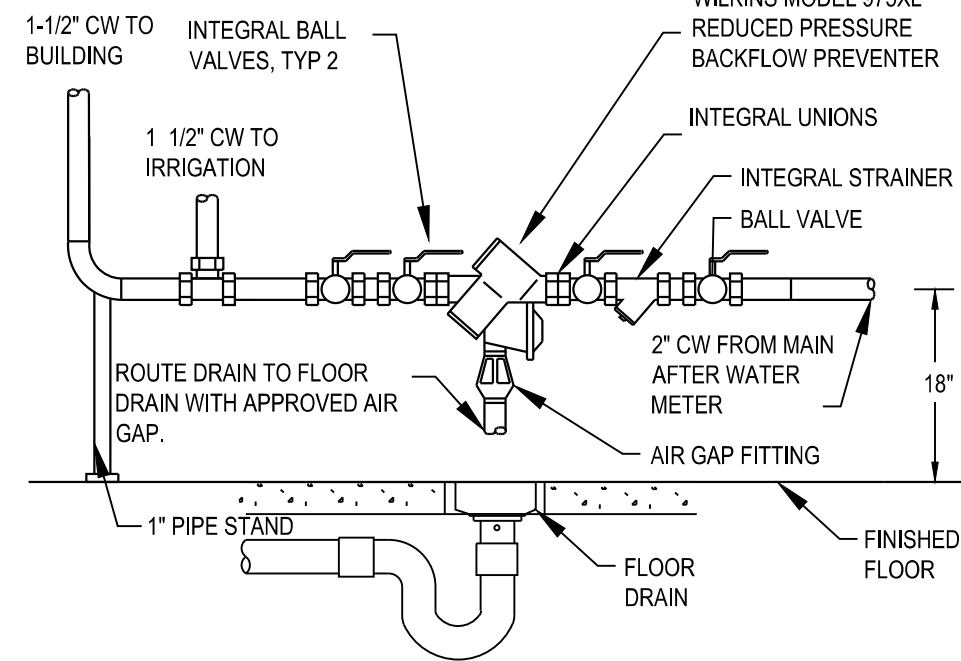




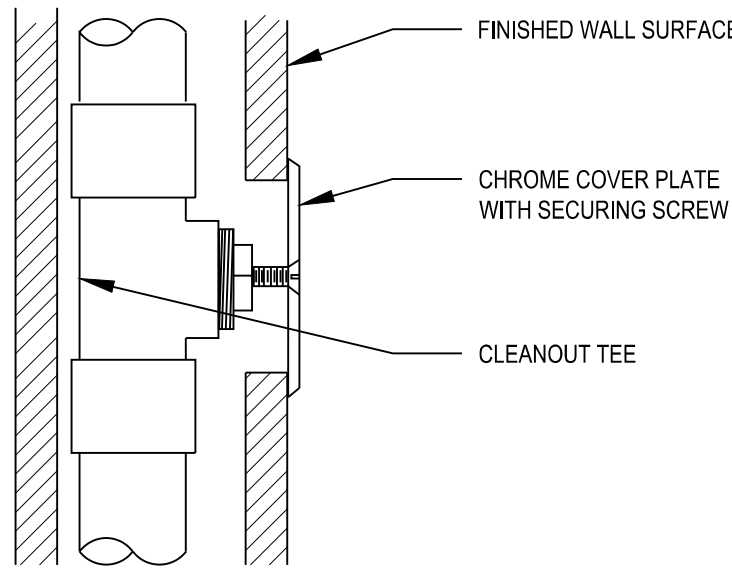
1  
P4  
FLOOR CLEAN OUT  
N.T.S.



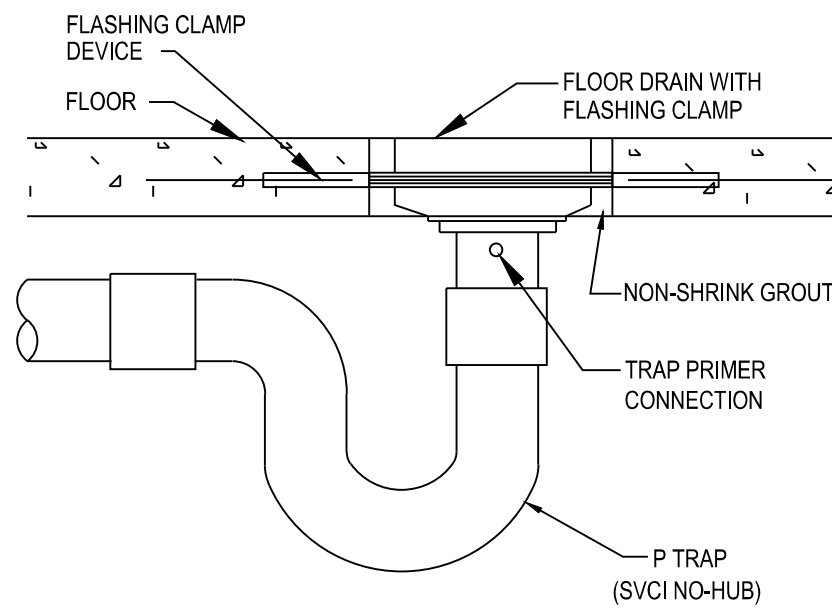
2  
P4  
SUSPENDED WATER HEATER  
N.T.S.



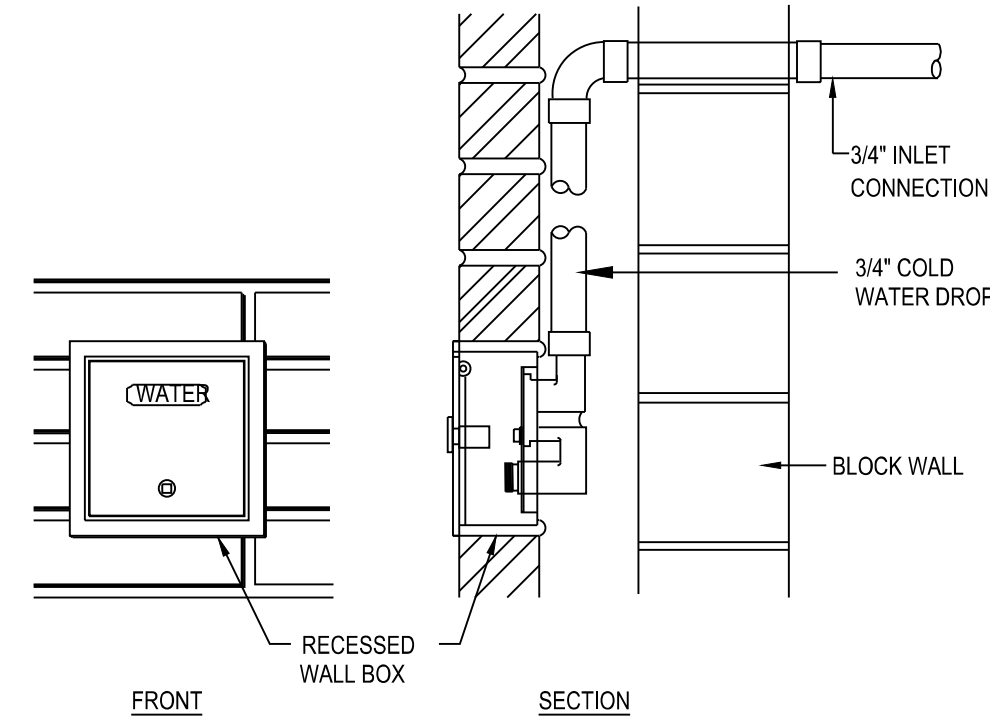
3  
P4  
REDUCED-PRESSURE ZONE PIPING  
N.T.S.



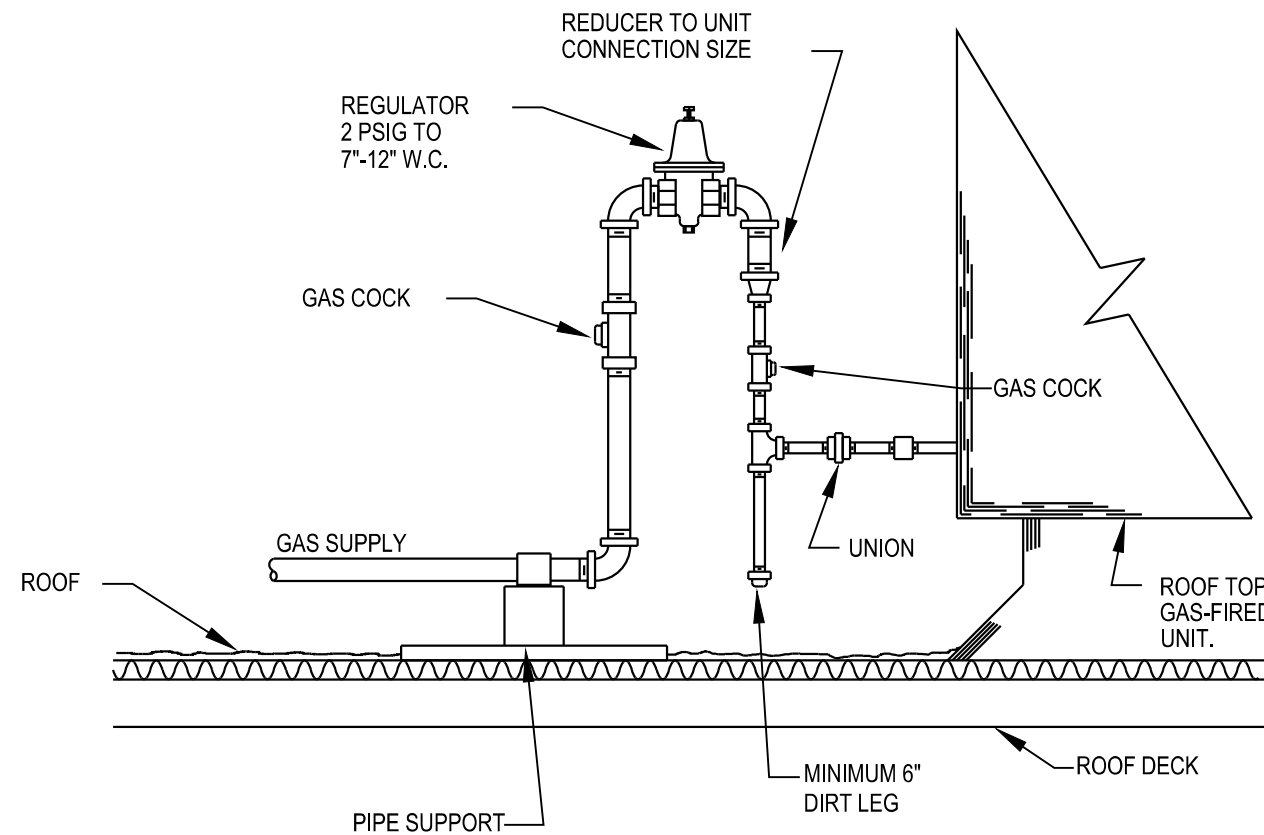
4  
P4  
TYP. WALL CLEANOUT  
N.T.S.



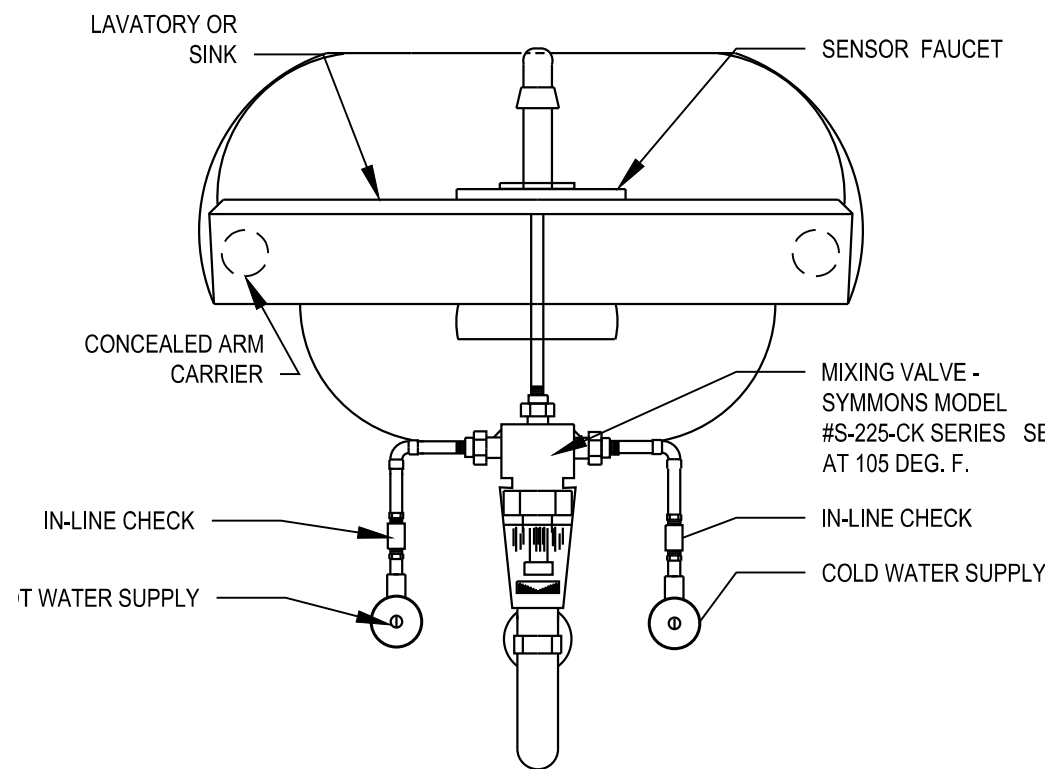
5  
P4  
TYP. FLOOR DRAIN  
N.T.S.



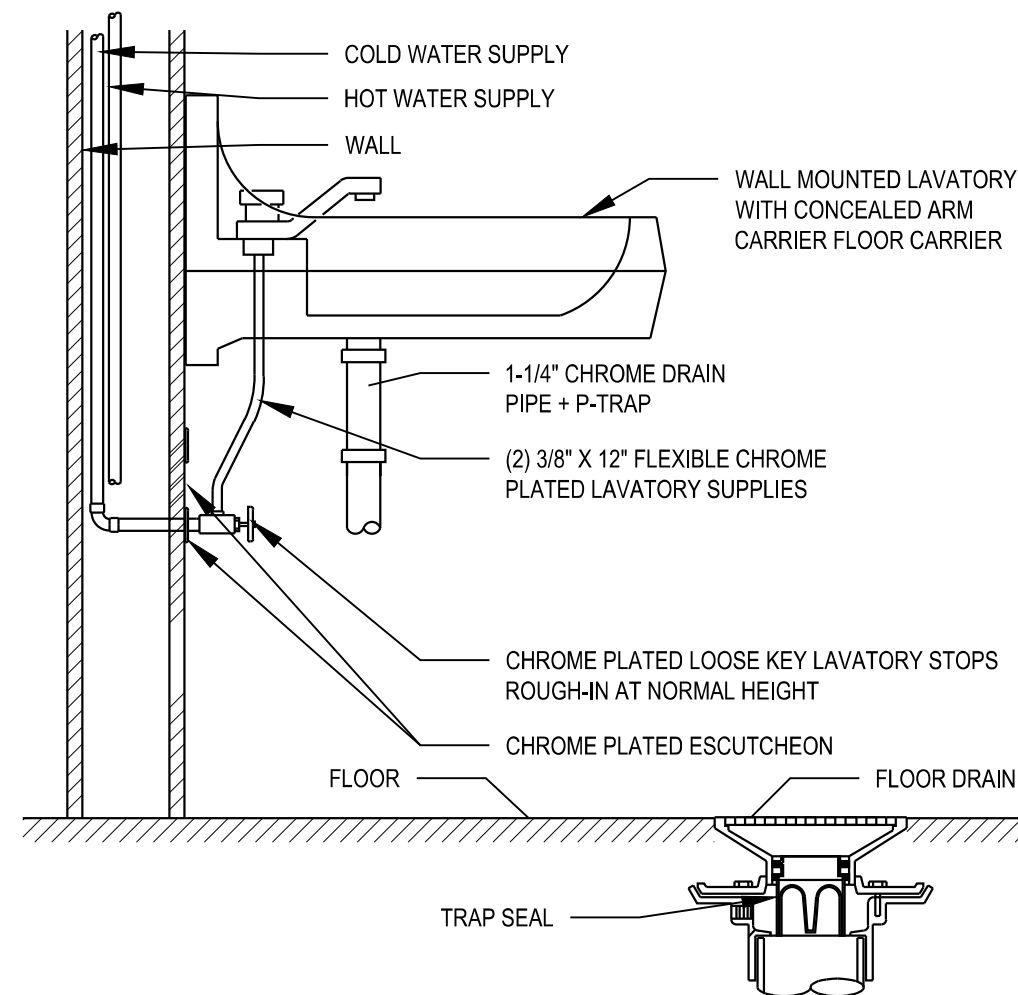
6  
P4  
TYP. EXTERIOR WALL HYDRANT  
N.T.S.



7  
P4  
ROOFTOP UNIT GAS PIPING CONNECTION  
N.T.S.



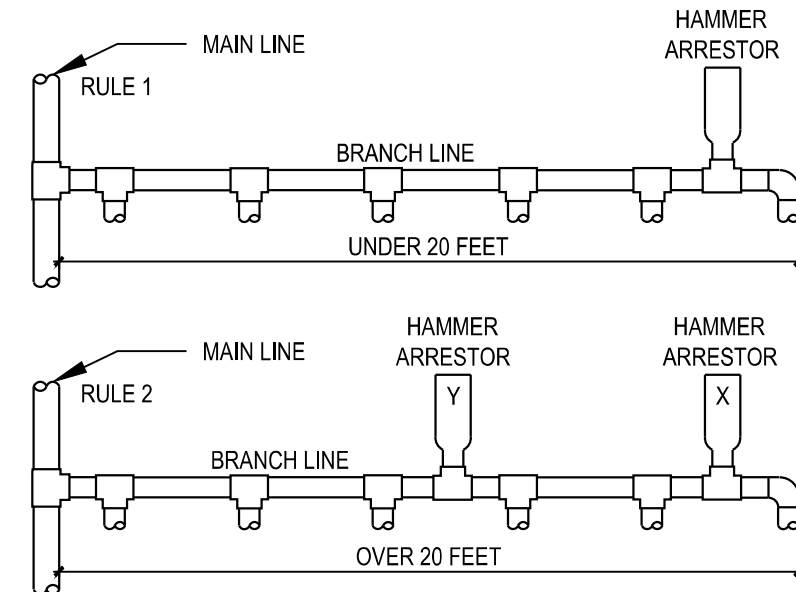
8  
P4  
TYP. FIXTURE MIXING VALVE  
N.T.S.



9  
P4  
TYP. TRAP SEAL  
N.T.S.

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

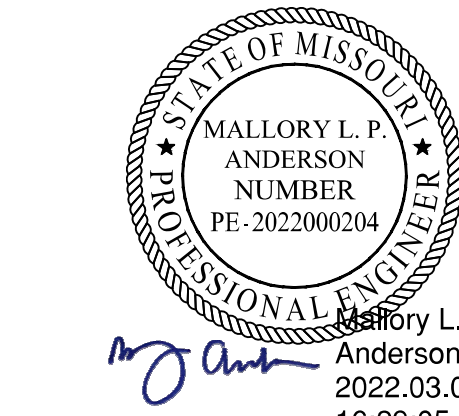


10  
P4  
TYP. WATER HAMMER ARRESTOR  
N.T.S.

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CONTENTS

PLUMBING DETAILS

02/04/2022

SHEET

P-4



LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER	MODEL	LAMPING	DESCRIPTION
L-2	GE	LB22A033MM835VQLTWHT	34W 3500K LED 3300 lm	2x2 REC. LENSED 34W 3500K LED TROFFER
L-2 (ALT)	LITELINE	LEDP-22-WH-WHP-35-30-120./277	30W 3500K LED 3300 lm	2x2 REC. LENSED 30W 3500K LED PANEL
L-2-EM	GE	LB22A033MM835TVLTWHT-EM	34W 3500K LED 3490 lm	L-2 FIXTURE WITH EMERGENCY LIGHT DRIVER
L-2-EM (ALT)	LITELINE	LEDP-22-WH-WHP-(EM)-35-30-120./277	30W 3500K LED 3490 lm	L-2 (ALTERNATE) FIXTURE WITH EMERGENCY LIGHT DRIVER
L-3	FEELUX	(2) TUN7-39K-SF-STD-S-HW-OCC-120	(2) 7W 3500K LED ~900 lm TOTAL	(2) 20.7" LED UNDERCAB. LIGHT WITH OCCUPANCY SENSOR
L-4	LUMIERE	LANTERRA 9004-W2-RWL-LED 4080-W-W-CS-L1-UNV-WIS	(2) 10W 4000K LED	120V EXTERIOR UP/DOWN SCONCE WITH INTEGRAL LED DRIVER
L-4 (ALT)	LUMIERE	LANTERRA 9004-W1-RWL-LED 4080-W-W-CS-L1-UNV-WIS	(2) 10W 4000K LED	120V EXTERIOR DOWN ONLY SCONCE WITH INTEGRAL LED DRIVER ALTERNATE FIXTURE FOR "DARK SKY" COMPLIANCE JURISDICTIONS ONLY
L-5	IGUZZINI	LBU27-REM-01 + 4549-0350-019-UNV-ED10	(1) 9W LED	TRICK 360 DEG. BLADE EFFECT - 90mm WITH CUSTOM BLUE LAMP, WHITE, SINGLE REMOTE 19W 0-10V DIMMING POWER SUPPLY SHARED BY TWO FIXTURES. LENS SCREEN SHIPPED LOOSE TO BE CUSTOM-CUT IN FIELD AND SILICONE-GLUED IN-PLACE TO ILLUMINATE ADJ. WALL AND CEILING ONLY AS INDICATED IN INTERIOR ELEVATIONS.
L-7	GE	LDXB-4R-0-10-T-35-V1 + RD14R-WPT-WT-WT-WR + BH3 (OPTIONAL)	14W 3500K LED	4" ROUND 14W 3500K LED LENSED DOWNLIGHT - WET RATED
L-7-EM	GE	LDXB-4R-0-10-T-35-V1-EL + RD14R-WPT-WT-WT-WR + BH3 (OPTIONAL)	14W 3500K LED	L-7 FIXTURE WITH EMERGENCY LIGHT DRIVER
L-7-R	LF ILLUMINATION	5811-1SA-T-20L-8040-W-1-BB	20W 4000K 80 CRI LED	EXTERIOR CANOPY RECESSED CAN, BLACK TRIM
L-7-R-EM	LF ILLUMINATION	5811-1SA-T-20L-8040-W-1-BB-EM	20W 4000K 80 CRI LED	EXTERIOR CANOPY RECESSED CAN W/ EMERGENCY BATTERY RELAY, BLACK TRIM
L-7 (ALT)	AMERLUX	L7 + HDL-HP-R-NC-A17-T-16-120V-0-10V (HOUSING) + HDL-HP-RLD-A17-T-MWW-6SSOL-359-WET (TRIM)	18W 3500K LED	4" ROUND 18W 3500K LED LENSED DOWNLIGHT - WET RATED
L-7-EM (ALT)	AMERLUX	L7EM + HDL-HP-R-NC-A17-T-16-120V-0-10V-EM (HOUSING) + HDL-HP-RLD-A17-T-MWW-6SSOL-359-WET (TRIM)	18W 3500K LED	L-7 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-7 (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-WET RATED-27"	15W 3500K LED 4000 lm	4" ROUND 15W 3500K LED LENSED DOWNLIGHT - WET RATED
L-7-EM (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-WET RATED-27"-EMPK	15W 3500K LED 4000 lm	L-7 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-8	GE	ALC6-1-4T04-T-C8-D1-S-Q-Q-Q-[ST/5/1]-[K/A]-Q-W	27W 3500K LED	SURFACE-MOUNT AT CEILINGS UP TO 10'. CABLE-MOUNT AT CEILINGS OVER 10'.
L-8-EM	GE	ALC6-1-4T04-T-C8-D1-S-Q-Q-Q-E-[ST/5/1]-[K/A]-Q-W	27W 3500K LED	SURFACE-MOUNT AT CEILINGS UP TO 10'. CABLE-MOUNT AT CEILINGS OVER 10'. INCLUDES EMERGENCY BATTERY.
L-11	GE	LDXB-4R-0-10-T-35-V1 + RD14R-WPT-WT-WT-WT + BH3 (OPTIONAL)	14W 3500K LED	4" ROUND 14W 3500K LED LENSED DOWNLIGHT- WET RATED, PROVIDE MATTE BLACK FLANGE IN WOOD ACCENT CEILINGS
L-11-EM	GE	LDXB-4R-0-10-T-35-V1-EL + RD14R-WPT-WT-WT + BH3 (OPTIONAL)	14W 3500K LED	L-11 FIXTURE WITH EMERGENCY LIGHT DRIVER
L-11 (ALT)	AMERLUX	L11 + HDL-HP-R-NC-A17-T-16-120V-0-10V (HOUSING) + HDL-HP-RLD-A17-T-MWW-6SSOL-359 (TRIM)	18W 3500K LED	4" ROUND 18W 3500K LED LENSED DOWNLIGHT, PROVIDE MATTE BLACK FLANGE (MBF) IN WOOD ACCENT CEILINGS
L-11-EM (ALT)	AMERLUX	L11EM + HDL-HP-R-NC-A17-T-16-120V-0-10V-EM (HOUSING) + HDL-HP-RLD-A17-T-MWW-6SSOL-359 (TRIM)	18W 3500K LED	L-11 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-11 (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-27"	15W 3500K LED	4" ROUND 15W 3500K LED LENSED DOWNLIGHT, PROVIDE 'BLACK CONE' FINISH IN WOOD ACCENT CEILINGS
L-11-EM (ALT)	USAI	RD-DL-BEVELED-PRIMARY-NC5M-35K-90CRI-1000L-WHIT E CONE-27"-EMPK	15W 3500K LED	L-11 ALTERNATE FIXTURE WITH EMERGENCY LIGHT DRIVER
L-20	BEST	EXXTEU1-RW-EMRC	LAMP INCL.	SINGLE-FACE LED EXIT SIGN WITH 90-MIN. BATTERY
L-20 (ALT)	ENCORE UNO-SERIES	UNO X SERIES (UNIVERSAL MOUNT)	LAMP INCL.	EDGE-LIT SINGLE-FACE LED EXIT SIGN WITH 90-MIN. BATTERY
L-20-CHICAGO	SURE-LITES	CHX703 Series	LAMP INCL.	CHICAGO-APPROVED SINGLE-FACE LED EXIT SIGN WITH 90-MIN. BATTERY
L-21A	LUMARK	XTOR6B-W-BZ	58W 4000K LED	EXTERIOR WALL-MOUNT 58W 4000K LED FULL-CUTOFF FIXTURE FOR GENERAL LIGHTING
L-21B	LUMARK	XTOR6B-W-BZ-MS-L20-CBP	58W 4000K LED	EXTERIOR WALL-MOUNT 58W 4000K LED FULL-CUTOFF FIXTURE FOR EMERGENCY LIGHTING WITH 90-MINUTE BACKUP BATTERY
L-22	LITHONIA	ZL1N-L24-1500LM-FST-MVOLT-35K-80CRI-WH-LBOZU	18W 3500K LED	2' 18W 3500K LED LENSED UTILITY LIGHT w/ OCCUPANCY SENSOR
L-308	PHILIPS COLOR KINETICS	223-000004-02	6W LED (BLUE)	12" 9W Cove QLK Powerscore® RIGID BLUE 120V LED STRIP, WHERE MOUNTED ABOVE ACT-3, USE MOUNTING TRACK MODEL #120-000125-00 OR EQ. TO MINIMIZE LIGHT BLEEDING THROUGH TILE
L-308 (ALT)	ECOSENSE	L35-4-12"-06-BL-MULT-L120	6W LED (BLUE)	12" TROVE® MULT (120V-220V) LED STRIP, WHERE MOUNTED ABOVE ACT-3, USE MOUNTING TRACK MODEL #MNT-L-TRCLIP-12 OR EQ. TO MINIMIZE LIGHT BLEEDING THROUGH TILE
L-410	VONN LIGHTING	VMC31810BL 17" SALM LED PENDANT BLACK	120V 40W LED, 3000K	17" DIAMETER, MATTE BLACK FINISH, ELV DIMMING, INSTALLED 82" A.F.F. TO B.O. FIXT.; SET DIMMING PER BMS ZONE CONTROL SCHEDULE
L-411	BASELITE	PEQ41.5/LBL/LED12W/3K/DM0-10V/120/277V + S-LBLC5-2	120V, 12W LED, 3000K	16" DIAMETER, MATTE BLACK, 0-10V DIMMING, INSTALLED 82" A.F.F. TO B.O. FIXT.
L-413	BASELITE	CS22/41.5/LED12W/BL/C/LED12/30K/DM0-10V/120/277V	120v, 12W LED, 3000K	22" DIAMETER, MATTE BLACK FINISH, 0-10V DIMMING, INSTALLED 82" A.F.F. TO B.O. FIXT.
L-500	FOCAL POINT	SEEM 4-L-P, FSM4LP-FL-35K-1C-UNV-LD1-76T2-WH	3500K LED, INCLUDED	LINEAR LED, 4" WIDE, SET IN GRID CHANNELS, 2' MINIMUM LENGTH
L-500-EM	FOCAL POINT	SEEM 4-L-P, FSM4LP-FL-625L-F-35K-1C-UNV-LD1-76T2-EM-WH	3500K LED, INCLUDED	L-500 WITH EMERGENCY BATTERY PACK
L-500 (ALT)	AMERLUX	4" GRUV, GRUV4-HE-GRID-A16-PL-5-35-HW-120/277-CUS-0-10V	3500K LED, INCLUDED	LINEAR LED, 4" WIDE, SET IN GRID CHANNELS, 2' MINIMUM LENGTH
L-500-EM (ALT)	AMERLUX	4" GRUV, GRUV4-HE-GRID-A16-PL-5-35-HW-120/277-CUS-0-10V-EMB	3500K LED, INCLUDED	L-500 WITH EMERGENCY BATTERY PACK
PL4 & PL5	McGraw-EDISON	(2) GLEON-SA2C-740-U-T4FT-BZ (PL4), GLEON-SA2C-740-U-SL2-BZ (PL5)	MVOLT, 4000K LED, 258W MVOLT, 4000K LED, 129W	DARK SKY COMPLIANR ARE LIGHT FIXTURE WITH DIRECT ARM MOUNTS

ELECTRICAL SYMBOLS

EXIT SIGN INDICATING LIGHTED SIDE(S) AND EGRESS ARROW DIRECTION

BATTERY-POWERED TWIN HEAD EMERGENCY LIGHT FIXTURE

SINGLE-POLE DOUBLE-THROW LINE VOLTAGE TOGGLE SWITCH

KEY SWITCH- REFER TO DOOR HARDWARE SCHEDULE

SINGLE-POLE DOUBLE-THROW LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT

3-POSITION MAINTAINED-CONTACT SWITCH- HUBBELL #HBL 1385W OR EQUAL

30A DOUBLE POLE SWTCH

208 V SIMPLEX WALL OUTLET

115 V DUPLEX WALL OUTLET

115 V DUPLEX WALL OUTLET- CONTROLLED (ONLY WHERE REQD. BY ENERGY CODE)

115 V DUPLEX WALL OUTLET SPLIT-CONTROLLED (ONLY WHERE REQD. BY ENERGY CODE)

2-GANG 115 V DUPLEX WALL OUTLET (QUAD BOX)

LEGRAND EFB45 FLOOR-RECESSED JUNCTION BOX W/ ALUM. COVER AND INTERNAL ACCESSORIES AS INDICATED

EXTERIOR 115V DUPLEX G.F.C.I. WALL OUTLET IN WEATHERPROOF ENCLOSURE SET FLUSH WITH ADJACENT FINISHES, 18" ABOVE T.O. FND.

WALL / CEILING JUNCTION BOX WITH 4x4 COVER PLATE

SURFACE-MOUNT JUNCTION BOX WITH DISCONNECT SWITCH FOR ADJACENT EQUIPMENT POWER

FLEXIBLE CONDUIT FOR DIRECT EQUIPMENT CONNECTION

CEILING-RECESSED AUDIO SPEAKER

ELECTRICAL 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. PREFERENCE IS FOR ALL LINE- AND LOW-VOLTAGE WIRING TO BE INSTALLED IN CONDUIT SYSTEMS CONFORMING TO PROJECT MANUAL SPECIFICATIONS SECTION 260531.

3. TYPE MC METAL-SHEATHED CABLES WITH INSULATED GROUNDING CONDUCTORS MAY BE SUBSTITUTED FOR CONDUIT FOR LINE- AND LOW-VOLTAGE WIRING WHERE SKILLED LABOR AVAILABILITY PREVENTS THE USE OF CONDUIT SYSTEMS, AND WHERE PERMITTED BY CODE.

4. TYPE AC ARMORED CABLE WITH UNINSULATED GROUNDING CONDUCTORS ARE NOT PERMITTED.

5. NON-METALLIC SHEATHED CABLES (GENERALLY "ROMEX"), TYPES NM, NMC, AND NMS, ARE NOT PERMITTED.

6. FLAT OR UNDER-CARPET TYPE CABLE IS NOT PERMITTED.

7. ALL ENDS OF CONDUIT SYSTEM SHALL HAVE A BUSHING OR A COUPLING INSTALLED FOR THE PURPOSE OF PROVIDING PROTECTION OF CONDUCTORS. IN NO CASE ARE CONDUIT ENDS PERMITTED TO REMAIN OPEN.

8. ALL LOW VOLTAGE WIRING IN INACCESSIBLE AREAS, INCLUDING WALL AND CEILING ASSEMBLIES NOT ACCESSIBLE THROUGH EASILY REMOVED CEILING TILES OR ACCESS PANELS, SHALL BE INSTALLED IN METALLIC CONDUIT.

9. CONDUIT SYSTEMS INSTALLED ON THE ROOF SHALL BE SUPPORTED AT MAXIMUM INTERVALS OF FIVE FEET WITH HARDWARE SECURED TO THE BUILDING SURFACE.

10. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRING INCLUDING LOW-VOLTAGE TO OWNER-PROVIDED SIGNAGE. ALL JUNCTION BOXES FOR SIGNAGE SHALL BE PLACED AS REQUIRED TO INSTALL THE SIGNAGE AS INDICATED IN THE ARCHITECTURAL ELEVATIONS. COORDINATE WITH OWNER'S SIGNAGE VENDOR AND REFER TO MANUFACTURERS WIRING DIAGRAMS.

11. SERVICE CONDUCTOR CONDUITS FROM THE METER TO THE ELECTRICAL ROOM SHALL BE ENCASED IN A MINIMUM OF FOUR INCHES (4") OF CONCRETE.

12. EMERGENCY LIGHTING AND EXIT SIGNS CIRCUIT BREAKERS SHALL BE LOCATED IN THE BOTTOM RIGHT OF THE ELECTRICAL PANEL.

13. ALL WIRING FOR THE PURPOSE OF EMERGENCY SYSTEMS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM INDEPENDENT OF OTHER SYSTEMS.

14. THERE SHALL BE A SEPARATE IDENTIFIED NEUTRAL INSTALLED FOR EACH EMERGENCY LIGHTING CIRCUIT AND/OR EXIT LIGHTING CIRCUIT.

15. THE FUSE HOLDER FOR THE PARKING LOT LIGHTING SHALL BE BUSSMAN IN-LINE TYPE "NEB-4A" OR EQUAL, WITH A RUBBER COVER "BOOT" TO BE INSERTED OVER THE CRIMPED AREA OF THE FUSE HOLDER.

16. 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.

17. WIRE NUMBER 8 AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN THERMOPLASTIC 900 VOLT INSULATED COPPER CONDUCTORS. FEEDERS AND POWER WIRING NUMBER 6 AND LARGER SHALL BE TYPE THW 600 VOLT INSULATED COPPER. WIRE WHICH IS INSTALLED IN RACEWAY IN MOIST OR DAMP LOCATIONS SHALL BE THW, 600-VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NUMBER 12 AWG SHALL BE USED FOR LIGHTING OR POWER.

18. REFER TO ARCHITECTURAL DRAWINGS FOR RECESSED-GRID LIGHT FIXTURE LAMP ORIENTATION.

19. ALL FLOURESCENT LIGHTING SHALL BE PROTECTED BY A MAXIMUM 20 AMP CIRCUIT BREAKER.

20. ALL FLEXIBLE FIXTURE CONDUITS SHALL CONTAIN A PROPERLY SIZED GREEN GROUND CONDUCTOR AND SHALL NOT EXCEED SIX FEET (6') IN LENGTH.

21. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE CONNECTED BY MEANS OF A SCREW TERMINAL.

22. THE CONTINUITY OF ANY BRANCH CIRCUIT CONDUCTOR INCLUDING ANY IDENTIFIED GROUNDING CONDUCTOR SHALL NOT DEPEND UPON DEVICE CONNECTIONS, SUCH AS LAMPHOLDERS, RECEPTACLES, ETC., WHERE THE REMOVAL OF SUCH DEVICES WOULD INTERRUPT THE CONTINUITY.

23. DE-RATING OF NEUTRALS IS PROHIBITED.

24. THE USE OF AUXILIARY GUTTERS, WIREWAYS, RACEWAYS AS ENCLOSURES FOR SERVICE ENTRANCE OR TAPPING OF SERVICE ENTRANCE CONDUCTORS IS STRICTLY PROHIBITED.

25. METAL IDENTIFICATION TAGS SHALL BE INSTALLED WHERE THE GROUNDING CONDUCTOR IS CONNECTED TO THE GROUNDING ELECTRODE.

26. ALL EXTERIOR LIGHTING AND SIGNAGE SHALL BE CONTROLLED BY A COMBINATION OF TIME SWITCHES AND PHOTOCELLS. REFER TO SIGNAGE CONTRACTOR AND TIME SWITCH SCHEDULE. CANOPY FIXTURES INCLUDE MANUAL OVERRIDE SWITCHES IN THE LANE STATUS CONTROL STATION.

SPD SURGE PROTECTION DEVICE

DED. INDICATES DEDICATED CIRCUIT

24" INDICATES DEVICE HEIGHT ABOVE FINISH FLOOR

EM INDICATES LIGHT FIXTURE WITH INTEGRAL 90-MINUTE BACKUP BATTERY (A6r TO DESIGNATE ADDITIONAL FIXTURES AS REQUIRED BY CODE)

NL INDICATES 24-HOUR "NIGHT LIGHT" FIXTURE CONNECTED TO PROGRAMMABLE TIMER CIRCUIT (A6r TO DESIGNATE ADDITIONAL FIXTURES AS REQUIRED BY CODE)

GFCI GROUND FAULT CURRENT INTERRUPTER

WP WEATHERPROOF

(E) EXISTING TO REMAIN

(S) ELECTRIC STRIKE

(B) AUTOMATIC DOOR OPERATOR BUTTON

(P) LOW-VOLTAGE PUSH BUTTON

(S) AFTER-HOURS ACCESS CARD READER

(LS) NEMA L-5-20R RECEPTACLE ON A DEDICATED 120V, 20A CIRCUIT, MOUNTED AT 18" AFF

SECURITY SYMBOLS

KP ALARM KEYPAD

DOOR CONTACT

360 DEG. CEILING-MOUNT MOTION DETECTOR

CEILING-MOUNT CURTAIN MOTION DETECTOR

WALL-MOUNT MOTION DETECTOR AT 84" AFF

SAFE ALARM PACKAGE

ATM ALARM PACKAGE

CASH RECYCLER ALARM PACKAGE

HOLD-UP BUTTON- SET WALL-MOUNTED UNITS 36-44" AFF

WIRELESS HOLD-UP BUTTON- ONLY AT OVAL BCM DESKS

ALARM LAMP AT 84" AFF

WIRELESS RECIEVER CONCEALED ABOVE CEILING

TELLER LINE CAM CONTROL, MOUNTED UNDER COUNTER BY CAM TECH, 1 AT EACH TELLER LINE AXIS #FA54; GS&I #2

INTEGRATED ATM CAM CONTROL INTEGRATED BY ATM VENDOR AXIS #F4105 IN PARABIT MOUNT; GS&I #2A/B

INTEGRATED LENS- TELLER LINE AXIS #F1004; GS&I #1A, 23A

INTEGRATED LENS- ATM INTEGRATED BY ATM VENDOR AXIS #F1004; GS&I #1A, 23A

INTEGRATED LENS- FREESTANDING ATM INTEGRATED BY ATM VENDOR AXIS #P1265; GS&I #9, 10, 22(2)

INTEGRATED LENS- MULLION AXIS #P1265; GS&I #8

VIDEO MONITOR- REQUIRES 120V/15A POWER AND JUNCTION BOX WITH OPEN 1.25" CONDUIT TO CEILING

VIDEO RECORDER

DATA SYMBOLS

2 TELE/DATA SYSTEM TERMINAL IN WALL PLATE- NUMBER INDICATES PORT COUNT

2 TELE/DATA SYSTEM TERMINAL IN FLUSH FLOOR BOX- NUMBER INDICATES PORT COUNT

TEL DATA SYSTEM TERMINAL WALL PHONE COVER PLATE

2 DATA OUTLET LOCATION, WALL/SURFACE MOUNTED, 2-PORT OUTLET, PROVIDE (2) CAT 6 RJ45 JACKS, (2) HORIZONTAL CAT6 CABLES, A 2-PORT SURFACE MOUNT BOX, & PATCH CORDS.

BMS SYMBOLS

BMS AND OTHER CONTROL DEVICES TO BE ORDERED FROM THE BMS EQUIPMENT VENDOR- REFER TO SHEET ES- COORD. IW PROJECT ELECTRICIAN

WIRELESS THERMOSTAT: DAINTEE NETWORKS #WT\$10

BMS WIRED REMOTE TEMP. SENSOR (PREFERRED): BAPI #10K-2-R-Z-CG (WALL MOUNT)

BMS EXTERIOR HARDIRED TEMPERATURE SENSOR: BAPI #BA10K-2-Q-BB2

BMS WIRED DUCT TEMP. SENSOR (PREFERRED): BAPI #10K-2-D-4-BBX OR SIMILAR

PRESSURE SENSOR- ADJUSTABLE RANGE: BAPI #BAZPMHLR-ST-D

BMS LOW VOLTAGE WIRED HUMIDITY SENSOR: BAPI #BA/HOX-B-C-X-XX-X (WALL MOUNT), WIRED TO WSA10 CONCEALED IN CEILING

BMS LOW VOLTAGE WIRED LEAK DETECTOR: BAPI #RBA-BALDT1-PS-BB, WIRED TO WGA100

BMS HARDWIRED CO2 SENSOR: BAPI #RBA-BA/BS4-DCD10-BNK, WIRED TO WSA10

WIRELESS WALL SWITCH: DAINTEE NETWORKS #WWD1, FUNCTIONS AS SWITCH AND/OR DIMMER, USE AS MANUAL ON/OFF, MANUAL ON / AUTO OFF

WIRELESS OCCUPANCY SENSOR, CEILING RECESSED-MOUNT: DAINTEE NETWORKS #WOS2-RME, PIR, 1000 SF COVERAGE

WIRELESS PHOTOSENSOR, CEILING-MOUNT: DAINTEE NETWORKS #WPS1

WIRELESS GENERAL ADAPTER: DAINTEE NETWORKS #WGA100-PM 15A LINE RELAY, 5mA DIMMING DRIVER CAPACITY (10 DRIVERS TYP.)

WIRELESS AREA CONTROLLER: DAINTEE #WAC60

UNINTERRUPTABLE POWER SUPPLY: 120V, 350VA MIN., PROVIDED BY G.C.

POWER METER: 3-POLE: DAINTEE #RDN-PS3037-S-N 24-POLE: DAINTEE #RDN-PS24-0

OCCUPANCY SENSOR, CEILING-MOUNT, PASSIVE INFRARED, WITH 3-WAY MANUAL OVER-RIDE SWITCH: WATTSTOPPER #C-355

OCCUPANCY SENSOR, CEILING-MOUNT, DUAL-TECHNOLOGY: WATTSTOPPER #RWS-DT-305

WALL-MOUNT SINGLE-RELAY OCCUPANCY SENSOR WITH COMBINED SWITCH: LEVITON ODS10-IDW

WALL-MOUNT SINGLE-RELAY OCCUPANCY SENSOR WITH COMBINED SWITCH: WATTSTOPPER DSW-302

PUSH-BUTTON LINE VOLTAGE 5/10/15/30-MINUTE TIMER: WATTSTOPPER TS-400

PUSH-BUTTON LOW VOLTAGE 5/10/15/30-MINUTE TIMER: WATTSTOPPER TS-400-24

120 V UNIVERSAL MANUAL LINE DIMMER: LEGRAND RH703PTUW

PREPARED BY:

EBI Consulting

ENVIRO BUSINESS, INC.

21 B Street | Burlington, MA 01803

Tel: (781) 273-2500 | [www.ebiconsulting.com](http://www.ebiconsulting.com)

SIGNED BY:

PRYOR ROAD & LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #412100090

ISSUE	DATE	DESCRIPTION

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

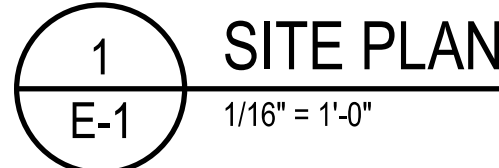
CONTENTS

ELECTRICAL GENERAL  
NOTES

02/04/2022  
SHEET

E-0





Architectural drawing of a building facade. A ramp with a handrail is shown on the left. A set of stairs with a handrail is in the center. A callout points to a detail labeled 'PP-3-35,37'.

SCHEDULE OF NEW BRANCH CIRCUIT PANEL PP1																	
MAIN: 400 AMP MAIN LUGS ONLY											VOLTAGE: 208/120V, 3-PHASE, 4 WIRE						
PEC SQUARE D TYPE "NQOD" OR APPROVED EQUIVALENT											FED FROM: 400 OC PD						
COUNTING: FLUSH											AIC SYMM: 22,000						
AD A	LOAD DESCRIPTION	BRANCH CIRCUIT DATA					PHASE A VA	PHASE B VA	PHASE C VA	BRANCH CIRCUIT DATA					LOAD DESCRIPTION	LOAD VA	
		WIRE	GND	COND.	TRIP	CKT.				CKT.	TRIP	COND.	GND	WIRE			
60	RTU-1	3#6	1#10	3/4"	45/3	1	7920			2						3960	
60						3		7920		4	45/3	3/4"	1#10	3#6	RTU-2	3960	
60						5			7920	6							3960
120	OLJ-1/UJ-1	2#10	1#10	3/4"	30/2	7	5280			8						3960	
120						9		5280		10	45/3	3/4"	1#10	3#6	RTU-3	3960	
00						11			4360	12							3960
00	SAFE	2#12	1#12	1/2"	20	11			4360	12						3960	
00	RECEPTS ROOF	2#12	1#12	1/2"	20	13	1480			14						1080	
00	A.T.M. - DRIVE U/P	2#10	1#10	3/4"	20	15		1680		16	20	1/2"	1#12	2#12	OLJ-2/UJ-2	1080	
00	A.T.M. - VESTIBULE	2#12	1#12	1/2"	20	17			1000	18	20	1/2"	1#12	2#12	TOWEL DISPENSER	400	
00	IRRIGATION CONTROLLER*	2#12	1#12	1/2"	20	19	200			20	20				SPARE	0	
00	SPARE					20		3000		22	30/2	3/4"			EVH	3000	
00	SPARE					23			3000	24						3000	
00						25	100			26	20				SPARE	0	
00	TVSS				30/3	27		100		28	20				SPARE	0	
00						29			100	30	20				SPARE	0	
120						31	12078			32						4158	
120	PANEL PP2	4#3	1#6	1-1/4"	100/3	33		13318		34	100/3	1-1/4"	1#6	4#3	PANEL PP3	4298	
100						35			10184	36						2784	
00	SPACE					37	0			38					SPACE	0	
00	SPACE					39		0		40					SPACE	0	
00	SPACE					41			0	42					SPACE	0	
NOTES:																	
* LOCKED																	
								27.06	31.3	26.56	KVA PER PHASE						
								225.5	260.8	221.4	AMPS PER PHASE						
								84.9			TOTAL KVA						
								236.0			TOTAL AMPS						



OWENSTEIN DRIVE  
908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081



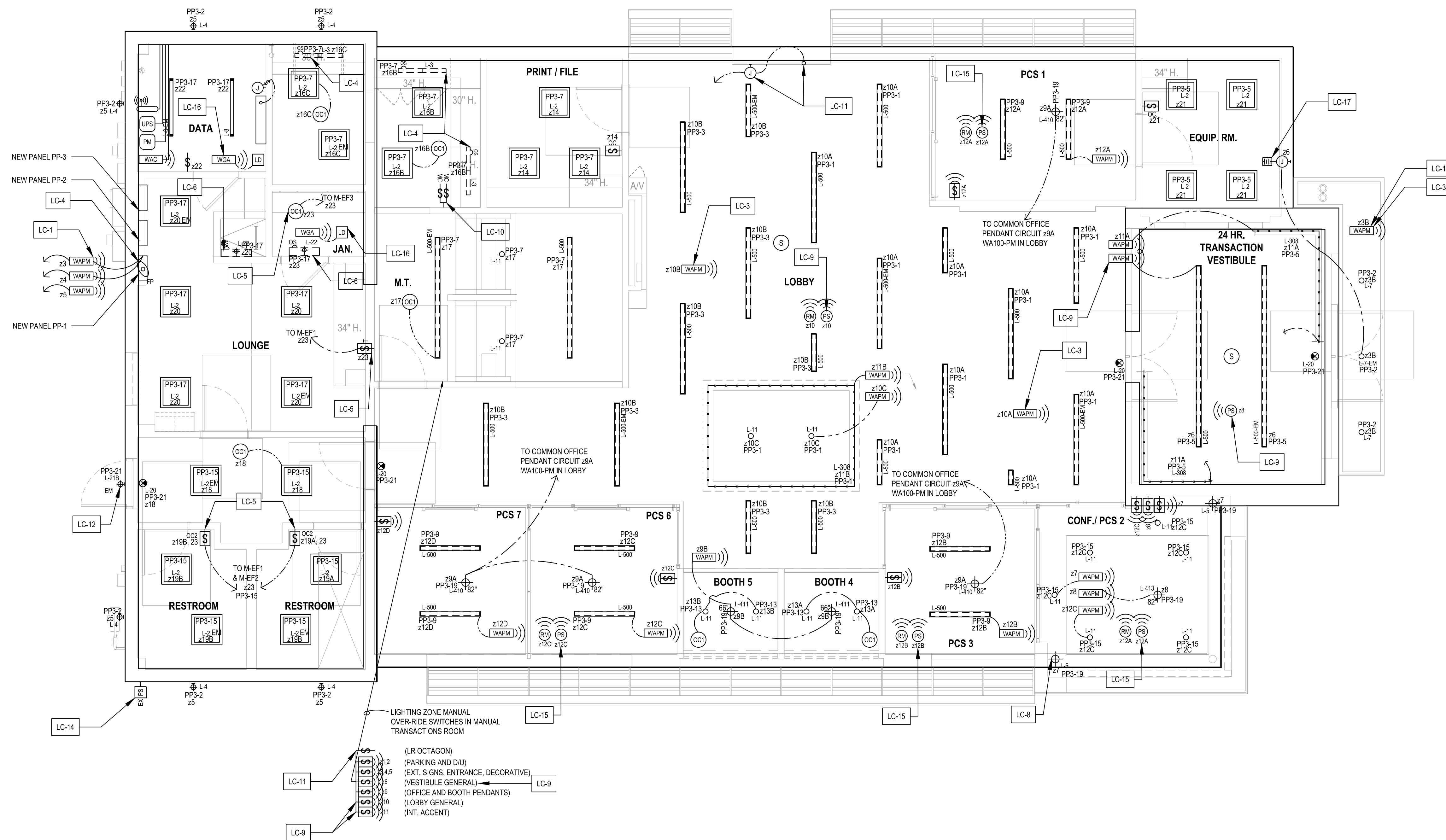
## CONTENTS

02/04/2022

SHEET

E-1





1 LIGHTING PLAN  
E-2 3/16" = 1'-0"

## LIGHTING CONTROL NOTES

LC-1	EXT. BUILDING AND SITE LIGHTING CONTROLLED BY DAIINTREE WA100-PM INSTALLED AT SWITCH LEG OR CIRCUIT HEAD. IF TWO-POLE, PROVIDE AUX. RELAY TO CONTROL SECOND LINE.
LC-3	PROVIDE MULTIPLE WIRELESS ADAPTERS WHERE CIRCUIT CURRENT OR NUMBER OF FIXTURES EXCEED THE MAXIMUM PERMITTED FOR A SINGLE ADAPTER. DO NOT COMBINE MULTIPLE FIXTURE TYPES ON A SINGLE ADAPTER.
LC-4	INSTALL ONE FLEXIBLE CT PER PHASE FOR MAINS POWER- WIRE EACH TO POWER METER LOCATED IN DATA ROOM.
LC-5	REFER TO 3/2 EXHAUST FAN CONTROL DIAGRAM FOR DUAL RELAY OCC. SENSOR WIRING. WIRE ONE RELAY FOR ROOM LIGHTING CONTROL. WIRE SECOND RELAY IN PARTIAL-LOAD WITH RESTROOM AND JANITOR CLOSET OCC. SENSORS AND LOUNGE TIMER SWITCH FOR EXHAUST FAN CONTROL.
LC-6	FIXTURES WITH INTEGRAL OCC. SENSORS DO NOT REQUIRE SEPARATE AREA CONTROLS.
LC-8	PAIR LOW-VOLTAGE CEILING-MOUNTED ACCENT LIGHT FIXTURES IN FLUSH FIXTURE BOX- WIRE TO REMOTE DRIVER AND WAPM CONCEALED ABOVE CEILING
LC-9	PHOTOSENSOR AND AUTO. DIMMING CONTROL OF LOBBY GENERAL LIGHT FIXT. (ZONE 10) AND VESTIBULE LIGHT FIXT. (ZONE 6), AND OTHER ZONES AS SPECIFIED BY CODE, TO BE PROVIDED ONLY WHEN DAYLIGHT HARVESTING OR SIMILAR AUTO. DIMMING CONTROL REQUIREMENTS ARE ENFORCED BY AN AUTHORITY HAVING JURISDICTION. WHERE NOT REQUIRED, OMIT PHOTOSENSORS, AUTO. DIMMING, AND BMS CONTROL, AND PROVIDE LINE-VOLTAGE MANUAL SWITCH AT SWITCH BANK AT NEAR TELLER LINE.
LC-10	DRIVE-UP LANE STATUS CONTROL SWITCHES; NOT WITHIN B.M.S. SCOPE
LC-11	SIGNAGE ELECTRICAL CONNECTION- PROVIDE J-BOX ABOVE CEILING WITH MULTIPLE FLEXIBLE CONDUIT TERMINATIONS IN WALL BELOW FOR OWNER'S SIGN- REFER TO SIGNAGE VENDOR'S SHOP DWGS. FOR EXACT TERMINATION LOCATIONS. CIRCUIT TO SPOT WALL SWITCH IN MANUAL TRANSACTIONS AREA.
LC-12	UNSWITCHED EXTERIOR EGRESS LIGHT FIXTURE WITH PHOTENSOR AND STANDBY BATTERY POWER.
LC-14	REFER TO SHEET EE, FIGURE 7 FOR WIRING DETAIL- WIRE TO NEAREST WA100-PM- MAY BE AT ELECTRICAL PANEL.
LC-15	PHOTENSOR AND AUTO. DIMMING CONTROL OF OFFICE AND CONFERENCE GENERAL LIGHTING (ZONES 12A/B/C...) TO BE PROVIDED ONLY WHEN DAYLIGHT HARVESTING OR SIMILAR AUTO. DIMMING CONTROL REQUIREMENTS ARE ENFORCED BY AN AUTHORITY HAVING JURISDICTION. WHERE NOT REQUIRED, OMIT PHOTOSENSORS AND AUTO. DIMMING.
LC-16	PROVIDE LEAK DETECTOR AT FLOOR AT ALL WATER HEATERS, JANITOR SINKS, AND DATA ROOMS
LC-17	REMOTE EMERGENCY BATTERY PACK AS REQD.

**PREPARED BY:**

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[illegible]

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

## CONTENTS

## LIGHTING PLAN

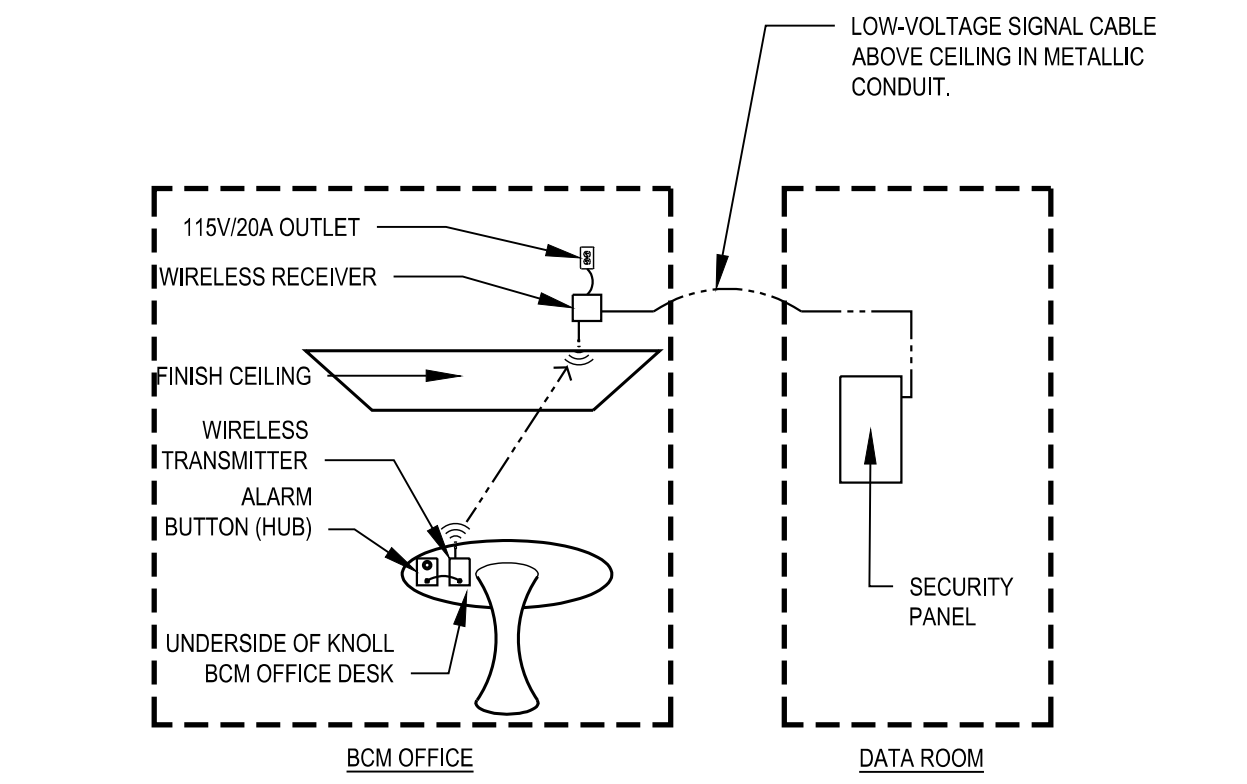
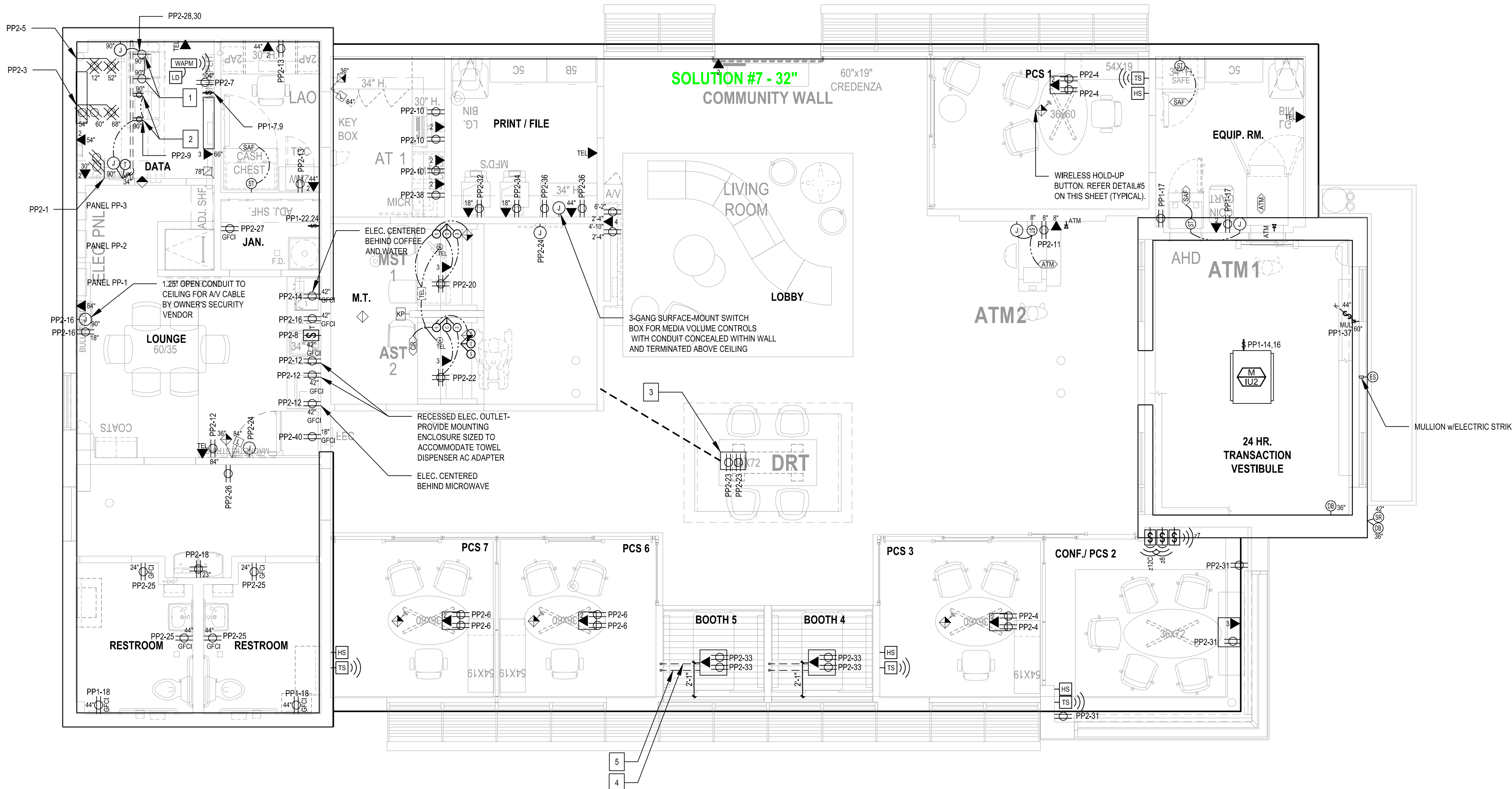
02/04/2022

SHEET

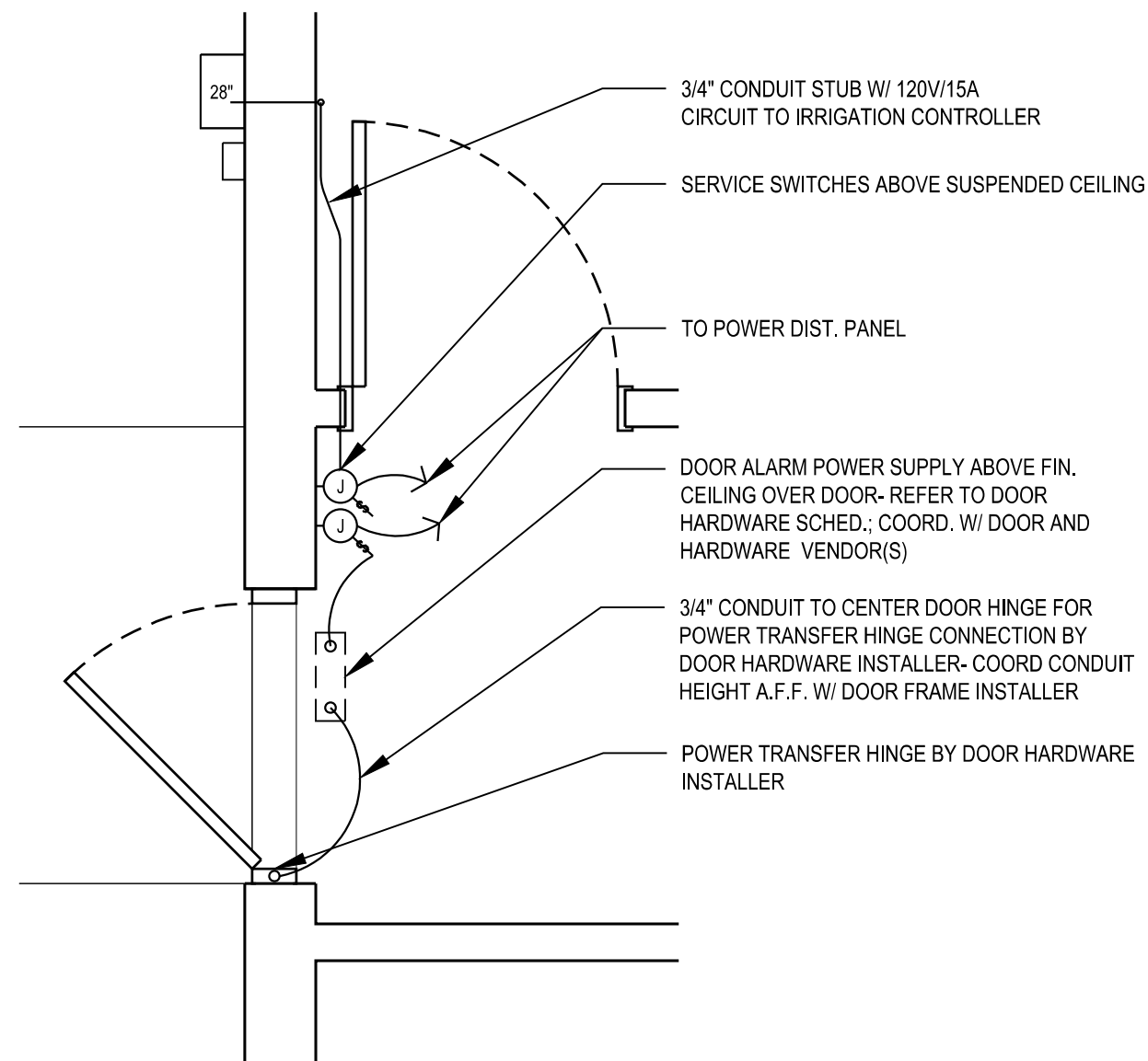
E-2



- KEY NOTES:
- 2) DEDICATED 208V/30A RECEPTACLES- TWIST-LOCK, NEMA L14-30.
  - (2) DEDICATED 120V/20A RECEPTACLES- NEMA 5-20R
  - HUBBEL #BA423341 CAST IRON ELEC FLOOR BOX WITH TWO #SA3826 COVER PLATES
    - ONE 1" OPEN CONDUIT TO NEAREST ADJACENT ELEC. DISTRIBUTION J-BOX
    - ONE 1" OPEN CONDUIT TO NEAREST ADJACENT WALL, ROUTED TO EMPTY J-BOX CONCEALED ABOVE FINISHED CEILING AND LABELED "FUTURE DRT DATA/SECURITY".
  - 3/4" IN-SLAB ELEC. CONDUIT (TYPICAL).
  - 1" IN-SLAB CONDUIT TO ADJACENT WALL TERMINATED IN JUNCTION BOX ABOVE CEILING FOR DATA CABLE BY OWNER'S VENDOR (TYPICAL).

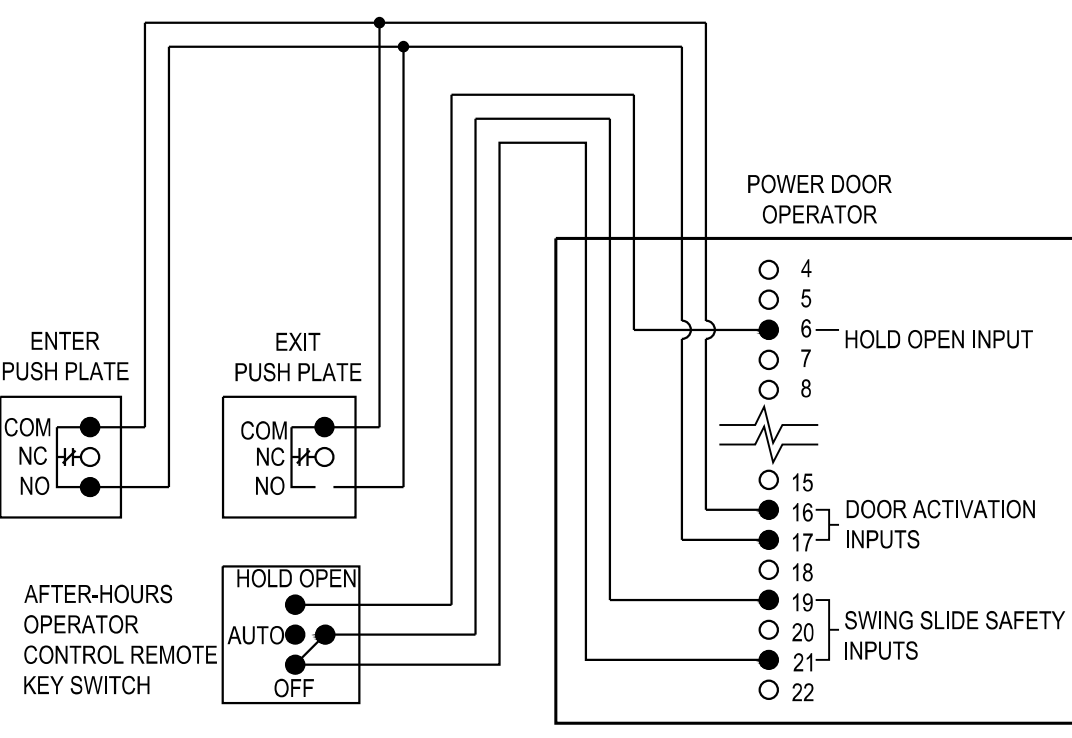


5 WIRELESS HOLD-UP BUTTON  
E-3 N.T.S.



4 TYP. DOOR ALARM AND IRRIGATION POWER SUPPLIER  
E-3 N.T.S.

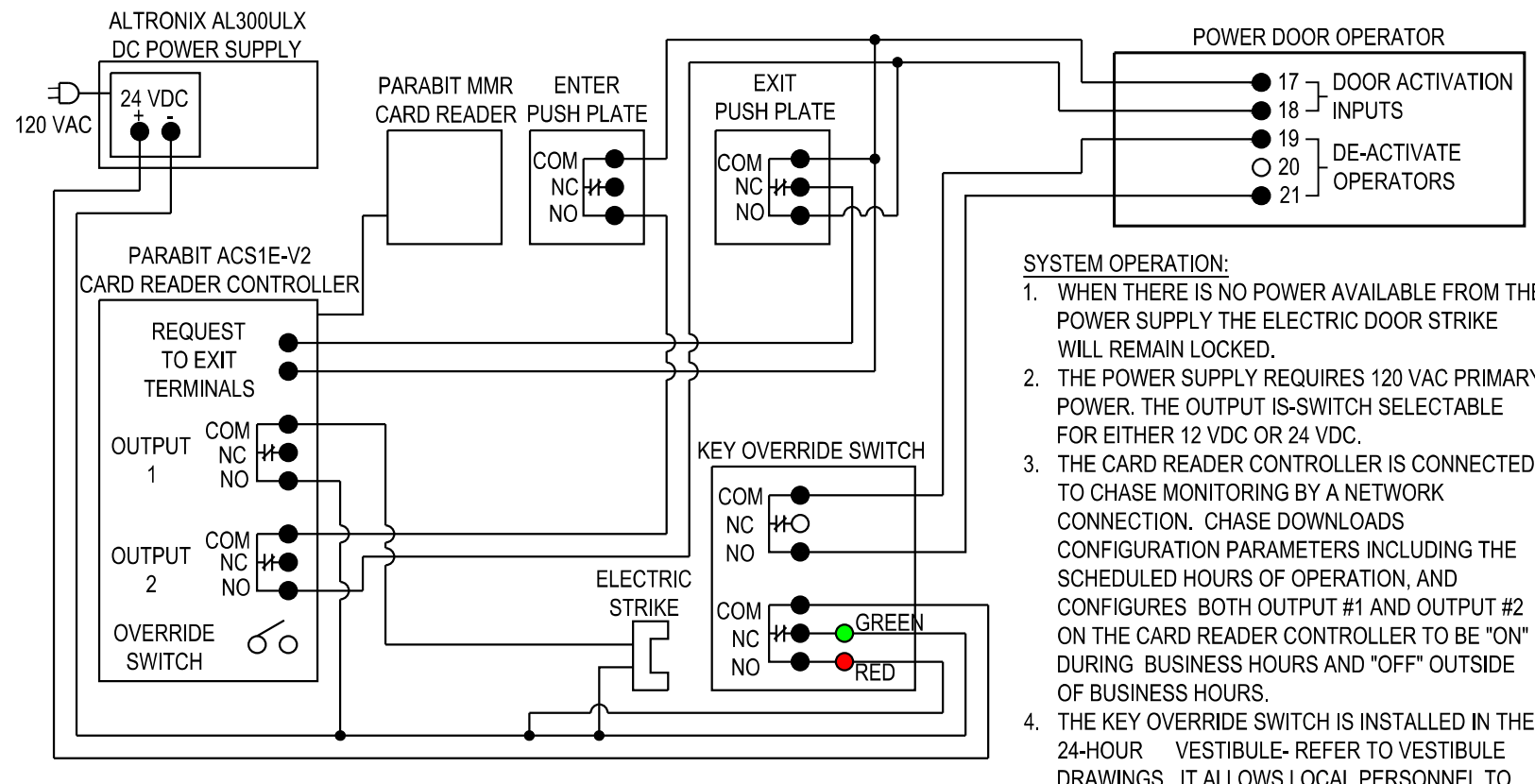
1 POWER PLAN  
E-3 1/4" = 1'-0"



3 AUTOMATIC VESTIBULE DOOR CONTROL DIAGRAM  
E-3 N.T.S.

SYSTEM OPERATION

- THE AUTOMATIC DOOR OPERATOR REQUIRES 120 VAC POWER.
- DOOR OPERATOR "POWER" AND "HOLD OPEN" ROCKER SWITCHES ARE CONCEALED WITHIN THE OPERATOR HOUSING.
- KEY SWITCH FUNCTIONS:
  - "OFF" POSITION DISABLES THE PUSH PLATES, PREVENTING AUTOMATIC OPERATION OF THE DOOR. THIS DOES NOT CUT POWER TO THE OPERATOR.
  - "AUTO" ENABLES BOTH PUSH PLATES, PROVIDING AUTOMATIC OPERATION OF THE DOOR.
  - "HOLD OPEN" OPENS THE DOOR, WHICH WILL REMAIN OPEN UNTIL THE SWITCH POSITION IS CHANGED OR POWER IS LOST. THE "HOLD OPEN" FUNCTION OF THE KEY SWITCH CAN BE DISABLED BY NOT TERMINATING THE WIRE AT POSITION 6.
- WHILE THE DOOR IS UNLOCKED, THE KEY SWITCH IS TO BE TURNED TO "AUTO", ALLOWING BOTH PUSH PLATES TO TRIGGER THE OPERATOR.
- WHILE THE DOOR IS LOCKED, THE KEY SWITCH MUST BE SET TO "OFF", PREVENTING THE PUSH PLATES FROM ACTIVATING THE OPERATOR. HOWEVER, IF THE DOOR IS LOCKED, AND THE OPERATOR IS POWERED, AND A PUSH PLATE IS PRESSED, THE OPERATOR'S CLUTCH MECHANISM WILL PREVENT DAMAGE TO THE OPERATOR.
- POWER TO THE OPERATOR IS NOT TO BE CUT DURING OPENING/CLOSING PROCEDURES. AS THIS DISRUPTS THE OPERATOR'S PROGRAMMING, THE KEY SWITCH IS TO BE USED.



2 AUTOMATIC ENTRANCE DOOR CONTROL DIAGRAM  
E-3 N.T.S.

SYSTEM OPERATION:

- WHEN THERE IS NO POWER AVAILABLE FROM THE POWER SUPPLY THE ELECTRIC DOOR STRIKE WILL REMAIN LOCKED.
- THE POWER SUPPLY REQUIRES 120 VAC PRIMARY POWER. THE OUTPUT IS SWITCH SELECTABLE FOR EITHER 12 VDC OR 24 VDC.
- THE CARD READER CONTROLLER IS CONNECTED TO CHASE MONITORING BY A NETWORK CONNECTION. CHASE DOWNLOADS CONFIGURATION PARAMETERS INCLUDING THE SCHEDULED HOURS OF OPERATION, AND CONFIGURES BOTH OUTPUT #1 AND OUTPUT #2 ON THE CARD READER CONTROLLER TO BE "ON" DURING BUSINESS HOURS AND "OFF" OUTSIDE OF BUSINESS HOURS.
- THE KEY OVERRIDE SWITCH IS INSTALLED IN THE 24-HOUR VESTIBULE- REFER TO VESTIBULE DRAWINGS. IT ALLOWS LOCAL PERSONNEL TO

DISABLE THE ELECTRIC STRIKE, ALLOWING THE DOOR TO LOCK AS NEEDED, REGARDLESS OF PROGRAMMING. THE KEY OVERRIDE SWITCH INCLUDES A CONSTRUCTION CORE, TO BE RE-KEYED WHEN THE BRANCH IS TURNED OVER TO CHASE RETAIL.

KEY SWITCH FUNCTIONS:

- WHEN IN "NORMAL" POSITION, THE GREEN LED IS ILLUMINATED, AND THE SYSTEM FOLLOWS THE PROGRAMMED OPERATION, FOLLOWING THE BUSINESS HOURS SCHEDULE.
- WHEN IN "DISABLED" POSITION, THE RED LED IS ILLUMINATED, THE SYSTEM PROGRAM IS BYPASSED, THE ELECTRIC STRIKE LOCKS THE DOOR, AND THE AUTOMATIC DOOR OPERATOR PUSH PLATES ARE DISABLED.
- "NORMAL" HARDWARE FUNCTIONS:
  - DURING BUSINESS HOURS, BOTH OUTPUTS #1

AND #2 ARE ENERGIZED, ALLOWING BOTH PUSH PLATES TO ACTIVATE AUTOMATIC DOOR OPERATOR.

- OUTSIDE BUSINESS HOURS ENTRY: BOTH OUTPUTS #1 AND #2 ARE DE-ENERGIZED, DEACTIVATING THE ENTRY PUSH PLATE UNTIL ACTIVATED BY THE CARD READER, WHICH ENERGIZES OUTPUTS #1 AND #2 FOR A PROGRAMMED TIME, TEMPORARILY UNLOCKING THE DOOR FOR ENTRY PUSH PLATE ACTIVATION OF THE DOOR OPERATOR.
- OUTSIDE BUSINESS HOURS EXITING: ACTIVATING THE EXIST PUSH PLATE WILL SIGNAL THE CARD READER CONTROLLER TO ISSUE A "REQUEST TO EXIT" COMMAND, WHICH WILL UNLOCK THE ELECTRIC STRIKE AND ENERGIZE BOTH OUTPUTS #1 AND #2, ALLOWING THE EXIT PUSH PLATE TO OPERATE THE DOOR.

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ISSUE	DATE	DESCRIPTION



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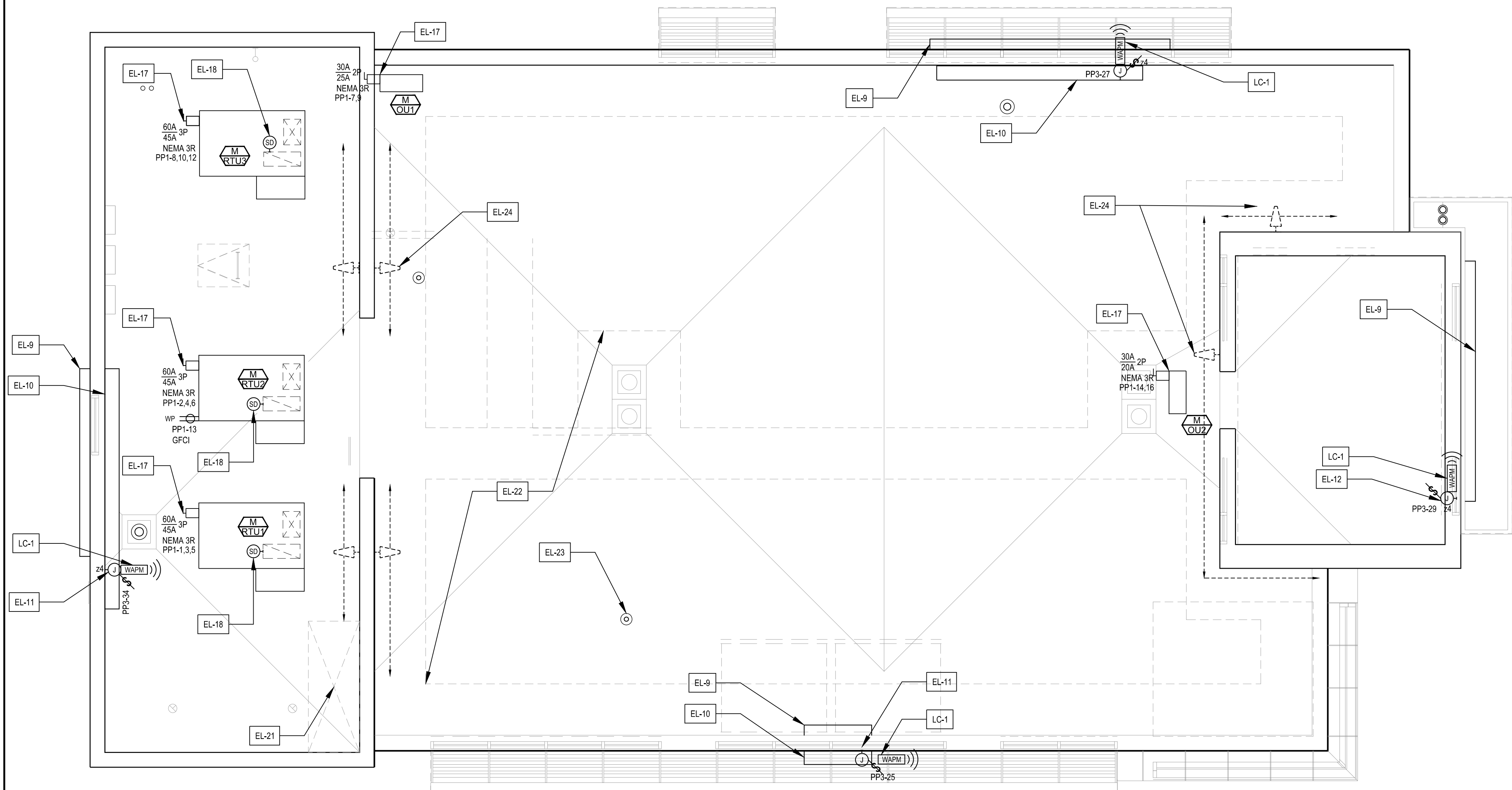
CONTENTS

POWER PLAN

02/04/2022  
SHEET

E-3

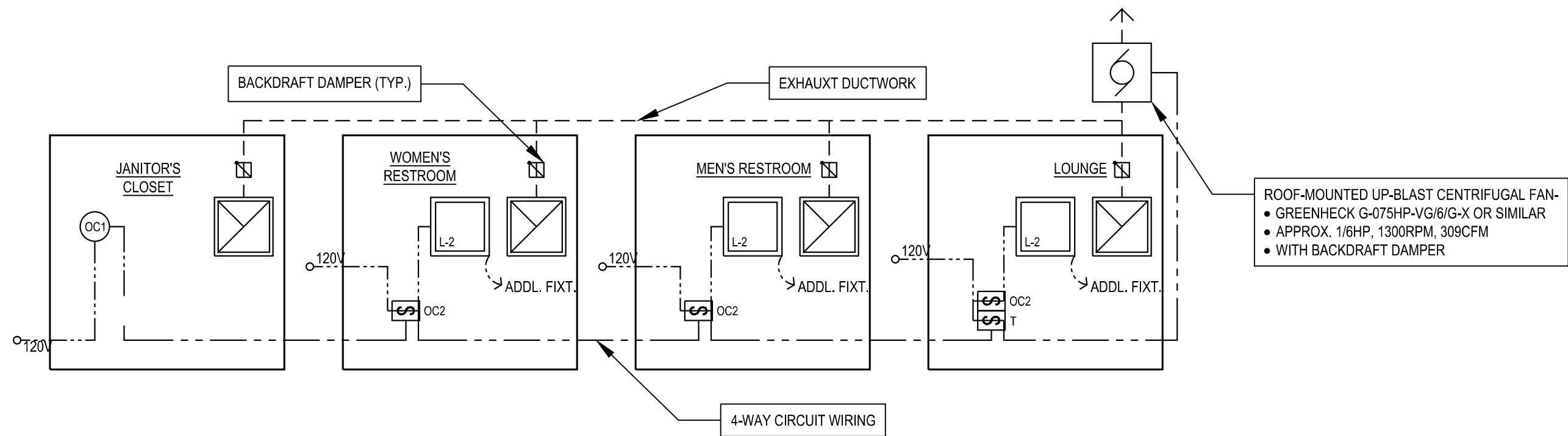




ELECTRICAL PLAN NOTES	
EL-9	LIGHTED SIGN BY OWNER'S SIGNAGE VENDOR (N.I.C.). COORDINATE W/ VENDOR TO PROVIDE REQUIRED POWER AND CONTROL CIRCUITS- FINAL CONNECTIONS BY OWNER'S SIGNAGE VENDOR.
EL-10	SHEET METAL ENCLOSURE BY OWNER'S SIGNAGE VENDOR (N.I.C.).
EL-11	NEMA 3R EXTERIOR JUNCTION BOX WITH DISCONNECT SWITCH SURFACE-MOUNTED TO BACKSIDE OF PARAPET WALL- COORDINATE FINAL LOCATION WITH OWNER'S SIGNAGE VENDOR.
EL-12	INTERIOR JUNCTION BOX WITH DISCONNECT SWITCH-SURFACE-MOUNTED TO INSIDE FACE OF EXTERIOR WALL ABOVE CEILING- COORDINATE FINAL LOCATION WITH OWNER'S SIGNAGE VENDOR.
EL-17	EXTERIOR EQUIPMENT-MOUNTED DISCONNECT SWITCH- COORDINATE FINAL LOCATION AND WIRING REQUIREMENTS WITH MECHANICAL UNIT INSTALLER.
EL-18	IN-DUCT SMOKE DETECTOR- COORDINATE WITH MECHANICAL UNIT INSTALLER.
EL-21	PREFERRED FUTURE PHOTOVOLTAIC EQUIPMENT LOCATION- REFER TO ARCHITECTURAL ROOF PLAN.
EL-22	FUTURE PHOTOVOLTAIC PANEL LOCATION- REFER TO ARCHITECTURAL ROOF PLAN.
EL-23	CELLULAR TELECOM ANTENNA MAST- GROUND 1" MIN. RIGID METALLIC CONDUIT WITH SERVICE MAST HEAD OR SIMILAR WEATHER-TIGHT CAP, ROUTED TO DATA ROOM CEILING FOR FUTURE CABLE.
EL-24	PREFERRED FUTURE CELLULAR TELECOM ANTENNA BY OWNER'S VENDOR- G.C. TO COORDINATE LOCATION TO ELIMINATE VISIBILITY OF ANTENNA FROM WITHIN THE PROPERTY LINES.

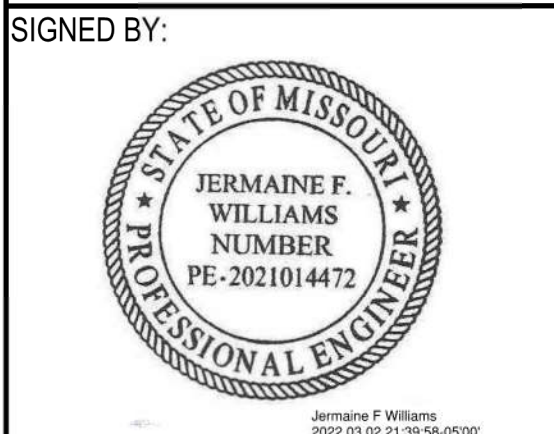
LIGHTING CONTROL NOTES	
LC-1	EXT. BUILDING AND SITE LIGHTING CONTROLLED BY DAINTREE WA100-PM INSTALLED AT SWITCH LEG OR CIRCUIT HEAD. IF TWO-POLE, PROVIDE AUX. RELAY TO CONTROL SECOND LINE.

1 ROOF POWER PLAN  
E-4 3/16" = 1'-0"



2 EXHAUST FAN CONTROL DIAGRAM  
E-4 N.T.S.

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**CHASE**

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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ROOF POWER PLAN

02/04/2022

SHEET

E-4









COMcheck Software Version 4.1.5.3

## Interior Lighting Compliance Certificate

### Project Information

Energy Code: 2018 IECC  
Project Title: JPM CHASE  
Project Type: New Construction  
Permit Date: TBD  
Permit No. TBD

Construction Site: 908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081  
Owner/Agent: JPM CHASE  
Designer/Contractor: Yao Agbeve  
EBI CONSULTING  
21 B STREET  
BURLINGTON, MA 01803

### Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed  
Reduced Lighting Power, 1.0 credit

### Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Office	3030	0.71	2154
Total Allowed Watts =			2154

### Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Office				
LED 1: L-500: LINEAR LED: Other:	1	32	14	448
LED 2: L-2: LED TROFFER: Other:	1	22	34	748
LED 3: L-11: DOWNLIGHT: Other:	1	14	14	196
LED 4: L-413: PENDANT: Other:	1	1	12	12
LED 5: L8: SURFACE-MOUNT: Other:	1	2	27	54
LED 6: L-411: PENDANT: Other:	1	2	12	24
LED 7: L-410: PENDANT: Other:	1	4	40	160
LED 8: L-5: PENDANT: Other:	1	2	6	12
LED 9: L-3: UNDERCABINET: Other:	1	2	7	14
LED 10: L-308: LED STRIP: Other:	1	1	192	192
Total Proposed Watts =				1860

Interior Lighting PASSES: Design 14% better than code

### Interior Lighting Compliance Statement

**Compliance Statement:** The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: JPM CHASE Report date: 03/02/22  
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YAO AGBEVE - DESIGNER  
Name - Title

Signature

03/02/2022  
Date

Project Title: JPM CHASE Report date: 03/02/22  
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COMcheck Software Version 4.1.5.3

## Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO SHEETS E0, E2 AND E6.
C406 [PR9] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO SHEETS E0, E2 AND E6.

### Additional Comments/Assumptions:

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

Project Title: JPM CHASE Report date: 03/02/22  
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22] <sup>1</sup>	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO SHEETS E2 AND E5.
C405.2.1.1 [EL18] <sup>1</sup>	Occupancy sensors installed in classrooms/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE LIGHTING PLAN ON SHEET E2 AND THE SYMBOL LEGEND ON SHEET E0.
C405.2.1.2 [EL19] <sup>1</sup>	Occupancy sensors control function in warehouses: In warehouses, the lighting in aiseways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	NOT APPLICABLE TO THIS PROJECT.
C405.2.1.3 [EL20] <sup>1</sup>	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight-responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE LIGHTING PLAN ON SHEET E2 AND CONTROLS ON E5.
C405.2.2.1, C405.2.2.2 [EL21] <sup>2</sup>	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE LIGHTING PLAN ON SHEET E2 AND CONTROLS ON E5.

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

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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1, C405.2.3.2 [EL23] <sup>2</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight-responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE LIGHTING PLAN ON SHEET E2 AND CONTROLS ON E5.
C405.2.4 [EL26] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE LIGHTING PLAN ON SHEET E2.
C405.2.4 [EL27] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	NOT APPLICABLE TO THIS PROJECT.
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE EXIT SIGN DESCRIPTION IN THE LIGHTING FIXTURE SCHEDULE ON SHEET E0.
C405.6 [EL26] <sup>2</sup>	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	NOT APPLICABLE TO THIS PROJECT.
C405.7 [EL27] <sup>2</sup>	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE MECHANICAL DRAWINGS.
C405.8.2.1 [EL28] <sup>2</sup>	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	NOT APPLICABLE TO THIS PROJECT.
C405.9 [EL29] <sup>2</sup>	Total voltage drop across the combination of feeders and branch circuits <= 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE VOLTAGE DROP CALCULATIONS ON SHEET E7.

### Additional Comments/Assumptions:

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

Project Title: JPM CHASE Report date: 03/02/22  
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F117] <sup>1</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO NOTE 45 ON SHEET E0.
C405.4.1 [F118] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO THE LIGHT FIXTURE SCHEDULE ON SHEET E0.
C408.1.1 [F157] <sup>1</sup>	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO NOTE 45 ON SHEET E0.
C408.2.5.1 [F16] <sup>2</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO NOTE 46 ON SHEET E0.
C408.3 [F133] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	REFER TO NOTE 47 ON SHEET E0.

### Additional Comments/Assumptions:

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

Project Title: JPM CHASE Report date: 03/02/22  
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PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION

CHASE

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

CONTENTS

INTERIOR LIGHTING  
COMPLIANCE CERTIFICATE

02/04/2022

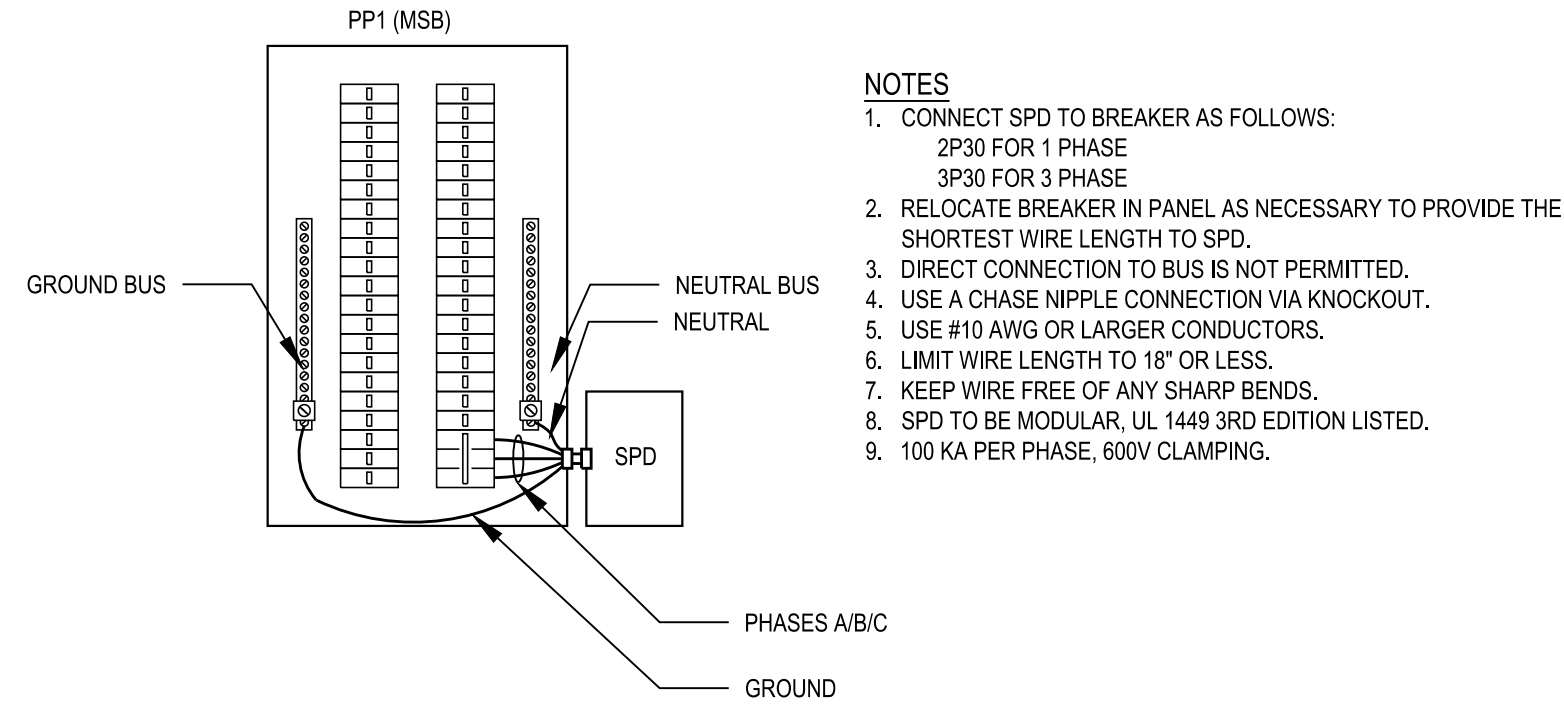
SHEET

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VOLTAGE DROP CALCULATION FROM TRANSFORMER TO MAIN DISCONNECT:	VOLTAGE DROP CALCULATION FROM MAIN DISCONNECT TO PP1:	VOLTAGE DROP CALCULATION TO FARTHEST BRANCH CIRCUIT: PP3-35.37
SOURCE = AC, 3Φ VOLTAGE = 208.0 COND. MATERIAL = PVC POWER FACTOR = 0.90 COND. TEMP. = 75°C CONDUCTOR METAL = COPPER COND. PER PHASE = 1 WIRE SIZE = 600 MCM LOAD = 86.8 AMPS LENGTH (1-WAY) = 80.0 FEET RESULT: THE VOLTAGE DROP = 0.22%, 0.45V L-L.	SOURCE = AC, 3Φ VOLTAGE = 208.0 COND. MATERIAL = STEEL POWER FACTOR = 0.90 COND. TEMP. = 75°C CONDUCTOR METAL = COPPER COND. PER PHASE = 1 WIRE SIZE = 600 MCM LOAD = 86.8 AMPS LENGTH (1-WAY) = 25.0 FEET RESULT: THE VOLTAGE DROP = 0.08%, 0.16V L-L.	SOURCE = AC, 1Φ VOLTAGE = 208.0 COND. MATERIAL = PVC POWER FACTOR = 0.90 COND. TEMP. = 75°C CONDUCTOR METAL = COPPER COND. PER PHASE = 2 WIRE SIZE = #10 LOAD = 0.968 KVA LENGTH (1-WAY) = 160.0 FEET RESULT: THE VOLTAGE DROP = 0.39%, 0.82V.
VOLTAGE DROP CALCULATION TO PP1 = 0.22%+0.08% = 0.30%		
VOLTAGE DROP CALCULATION TO FARTHEST BRANCH CIRCUIT: 0.39%		
TOTAL PERCENT VOLTAGE DROP = 0.30% + 0.39% = 0.69%		

FAULT CURRENT CALCULATION FOR MAIN DISCONNECT
AMPS SHORT CIRCUIT FROM ELECTRICAL UTILITIES = 43,237 A RMS
WIRE IS: 600 AWG
NUMBER OF CONDUCTORS PER PHASE: 1
CONDUCTOR LENGTH "L": 80'
CONDUCTOR C VALUE: 22,965 (#CONDUCTORS PER PHASE x C = 22,965)
$f = \frac{1.73 \times L \times I}{C \times E_{L-L}} = \frac{1.73 \times 80 \times 43,237}{22,965 \times 208} = 1.253$
$M = \frac{1}{1 + f} = \frac{1}{1 + 1.253} = 0.444$
$I_{SCA} = \text{AVAILABLE FROM UTILITY} \times M = 43,237 \times 0.444 = 19,197 \text{ A RMS}$
$I_{SCA} \text{ MOTOR CONTRIBUTION} = \frac{\text{MOTOR kVA} \times 1000}{1.73 \times E_{L-L} \times 0.25 \text{ MOTOR } Z_{pu}} = \text{NEGLIGIBLE}$
$I_{SCA} \text{ TOTAL} = I_{SCA} = \text{AVAILABLE FROM UTILITY} + I_{SCA} \text{ MOTOR CONTRIBUTION} = 19,197 \text{ A RMS AT BUILDING MAIN}$
MINIMUM BREAKER A.I.C. RATING = 22,000 A.I.C.
L = LENGTH (feet) OF CIRCUIT TO FAULT
C = CONSTANT VALUE FOR CONDUCTORS – FOR PARALLEL RUNS MULTIPLY "C" VALUE BY NUMBER OF CONDUCTORS PER PHASE
I = AVAILABLE SHORT CURRENT IN AMPERES AT BEGINNING OF CIRCUIT



- NOTES
1. CONNECT SPD TO BREAKER AS FOLLOWS:  
2P30 FOR 1 PHASE  
3P30 FOR 3 PHASE
  2. RELOCATE BREAKER IN PANEL AS NECESSARY TO PROVIDE THE SHORTEST WIRE LENGTH TO SPD.
  3. DIRECT CONNECTION TO BUS IS NOT PERMITTED.
  4. USE A CHASE NIPPLE CONNECTION VIA KNOCKOUT.
  5. USE #10 AWG OR LARGER CONDUCTORS.
  6. LIMIT WIRE LENGTH TO 18" OR LESS.
  7. KEEP WIRE FREE OF ANY SHARP BENDS.
  8. SPD TO BE MODULAR, UL 1449 3RD EDITION LISTED.
  9. 100 KA PER PHASE, 600V CLAMPING.

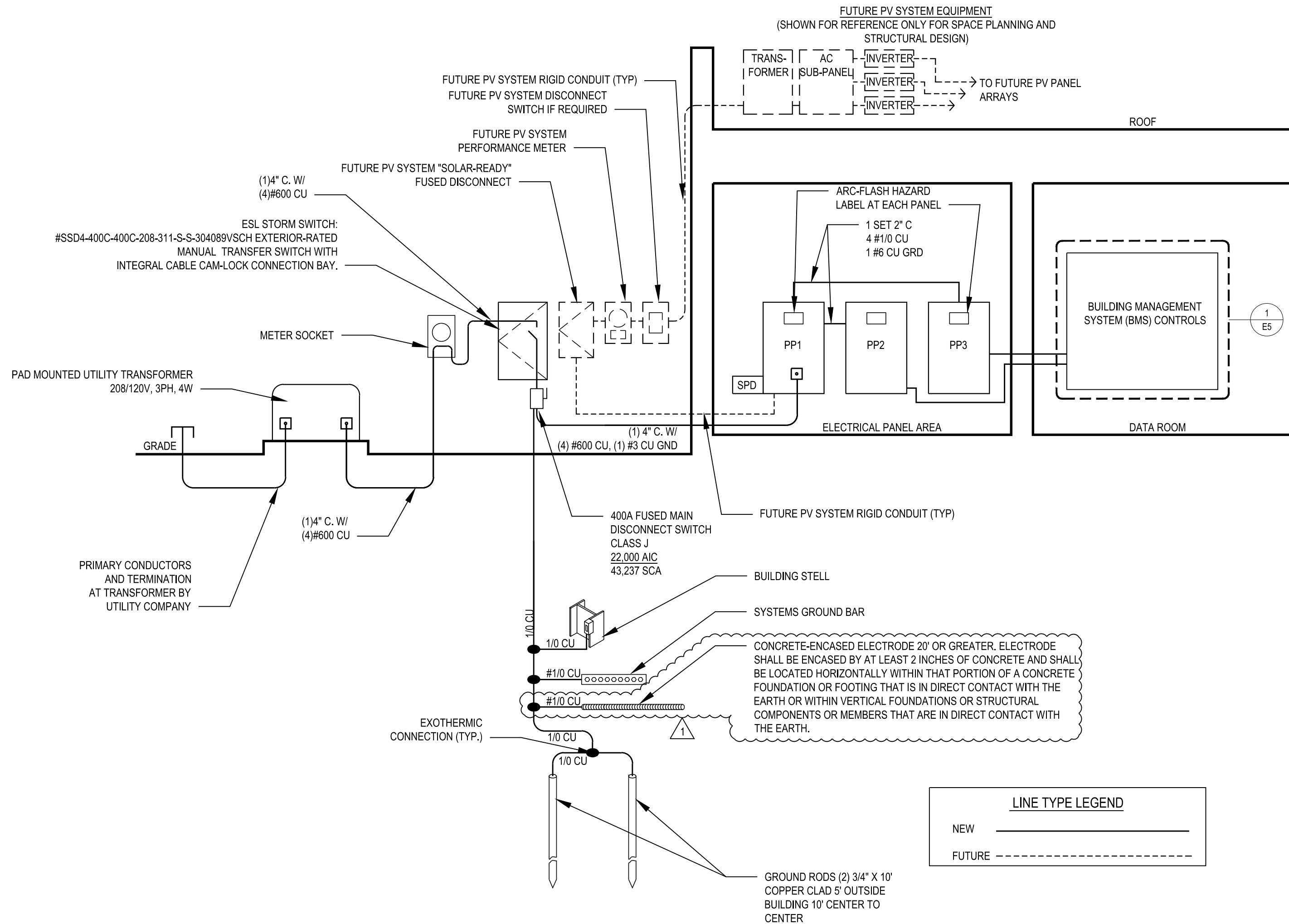
2  
E-6  
OVERALL VOLTAGE DROP  
N.T.S.

3  
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MAIN DISCONNECT  
FAULT CURRENT CALCULATION  
N.T.S.

4  
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ELECTRICAL SERVICE  
SURGE PROTECTION  
N.T.S.

#### TRANSFER SWITCH

1. SYSTEM SHALL INCLUDE MANUAL DOUBLE-THROW POWER TRANSFER SWITCH, GENERATOR CABLE CONNECTORS, AND ANY ASSOCIATED ENCLOSURES, CONDUITS AND CONDUCTORS AS REQUIRED FOR A COMPLETE EMERGENCY TRANSFER SWITCH INSTALLATION.
2. SYSTEM ELECTRICAL CHARACTERISTICS:
  - 2.1. 3-POSITION SWITCH: ON (UTILITY POWER) / OFF / ON (EMERGENCY GENERATOR POWER)
  - 2.2. 3 PHASE, 60 HZ, NEUTRAL BAR, 208/120 V OR 480/277 V (MATCH UTILITY SERVICE ENTRY WITH AIC RATING CAPABLE OF WITHSTANDING THE AVAILABLE FAULT CURRENT OF THE INCOMING UTILITY.)
  - 2.3. SWITCH AND CONNECTOR CURRENT CAPACITY SHALL MATCH MAIN SERVICE PANEL CIRCUIT BREAKER
3. ENGINEERING DESIGN OF THE ETS SYSTEM SHALL POWER THE FULL FACILITY UNDER 100% LOAD.
4. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES. WHERE COMBUSTIBLE MATERIALS (DIESEL FUEL OR THE LIKE) ARE TO BE STORED, THE ARCHITECT OF RECORD IS RESPONSIBLE FOR DETERMINING CODE-COMPLIANT PLACEMENT OF TEMPORARY STORAGE TANKS.
5. ALL MATERIALS AND ASSEMBLIES SHALL BE UL-LISTED FOR THIS APPLICATION. EXTERIOR ENCLOSURES SHALL BE RATED MINIMUM NEMA 3R FOR EXTERIOR USE.
6. APPLY VISUAL ELECTRICAL HAZARD WARNINGS AS REQUIRED BY CODE.
7. THE ETS SHALL BE PROTECTED FROM VEHICULAR DAMAGE BY CONCRETE CURBS, BOLLARDS OR OTHER DEVICES AS REQUIRED.
8. ALL CONDUIT AND FITTINGS SHALL BE WATER-TIGHT HEAVY-WALL THREADED RIGID GALVANIZED STEEL. ALL ENCLOSURES SHALL ACHIEVE NEMA MINIMUM RATING REQUIRED FOR THEIR INTENDED USE.
9. SWITCH ENCLOSURE SHALL INCLUDE LOCK HASPS AT ALL THREE SWITCH POSITIONS SECURING THE SWITCH POSITION AND PANEL DOOR.
10. GENERATOR CONNECTION ENCLOSURE SHALL INCLUDE LOCK HASP.
11. PADLOCKS AT TRANSFER SWITCH AND GENERATOR CONNECTION ENCLOSURES SHALL BE PROVIDED BY OWNER (CHASE FACILITIES) TO GENERAL CONTRACTOR FOR INSTALLATION AT TURNOVER TO RETAIL.
12. THE ETS SHALL INCLUDE A LOCKING GENERATOR CONNECTION ENCLOSURE ATTACHED DIRECTLY TO THE UNDERSIDE OF THE SWITCH ENCLOSURE. THE CONNECTION ENCLOSURE SHALL INCLUDE A SAFETY INTERLOCK WITH THE ETS TO PREVENT CONNECTION / DISCONNECTION WHILE UNDER LOAD. THE CABLE OPENINGS IN THE ENCLOSURE SHALL BE DESIGNED SO AS TO PERMIT ADEQUATE CABLE SLACK TO ROUTE THE CABLE WITHOUT DAMAGE, AND TO PREVENT ENTRY OF WIND-DRIVEN PRECIPITATION.
13. GENERATOR CABLE CONNECTIONS WITHIN THE CONNECTION ENCLOSURE SHALL BE COOPER CAMLOK E1016 COLOR-CODED MALE PANEL CONNECTORS WITH FLIP COVERS. THE ENCLOSURE SHALL BE SIZED AS REQUIRED TO ACCEPT AND SECURE THE GENERATOR CABLES FITTED WITH FEMALE COOPER CAMLOK E1016 CONNECTORS.
14. THE CONNECTION ENCLOSURE INTERIOR SHALL INCLUDE UNIFORM PHENOLIC WEATHER-PROOF SIMPLE FUNCTIONAL INSTRUCTIONS AS TO THE INSTALLATION OF CABLES, PHASE ROTATION CHECK, AND SWITCH OPERATION.
15. THE CONNECTION ENCLOSURE SHALL INCLUDE A CORRECT PHASE ROTATION INDICATOR, ALLOWING THE OPERATOR TO ENSURE THAT THE GENERATOR PHASE ROTATION MATCHES THE UTILITY PHASE ROTATION REGARDLESS OF THE POSITION OF THE ETS.
16. THE ETS ENCLOSURE SHALL INCLUDE AN INDICATOR OF UTILITY AVAILABILITY REGARDLESS OF THE POSITION OF THE ETS.
17. GENERATOR FUEL SOURCE MAY VARY BY REGION. COORDINATE WITH UTILITIES TO DETERMINE AVAILABILITY OF NATURAL GAS OR DIESEL FUEL TYPE. PRIOR TO PROCEEDING WITH DESIGN:
  - 17.1. FOR NATURAL GAS GENERATORS, PROVIDE THE REQUIRED FUEL CONNECTION AT THE BUILDING OR ON THE SITE.
  - 17.2. FOR DIESEL GENERATORS, VERIFY WITH LOCAL AUTHORITIES HAVING JURISDICTION PERMITTED ON-SITE FUEL



1  
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ELECTRICAL RISER DIAGRAM  
N.T.S.

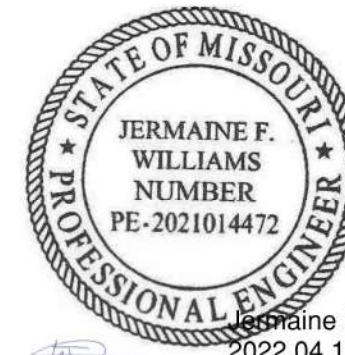
PREPARED BY:

**EBI Consulting**

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SIGNED BY:



Jermaine F Williams  
2022.04.12  
12:42:51-04'00'

PRYOR ROAD &  
LOWENSTEIN DRIVE

908 NW PRYOR ROAD  
LEE'S SUMMIT, MO 64081

EBI JOB #4121000090

ISSUE	DATE	DESCRIPTION
0	03/02/2022	PERMIT
1	04/11/2022	PERMIT REVISIONS

**CHASE**

PRYOR & LOWENSTEIN  
PROTOTYPE VERSION 20.4

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ONE-LINE DIAGRAM &  
ELECTRICAL SYSTEM  
DETAILS

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FIGURE 1: LIGHTING ZONE/CIRCUIT ON/OFF CONTROL

Switching a 20A Branch Circuit, Load limit 15A:

This configuration allows the WA100-PM to provide automatic On/Off switching of lighting fixture(s).

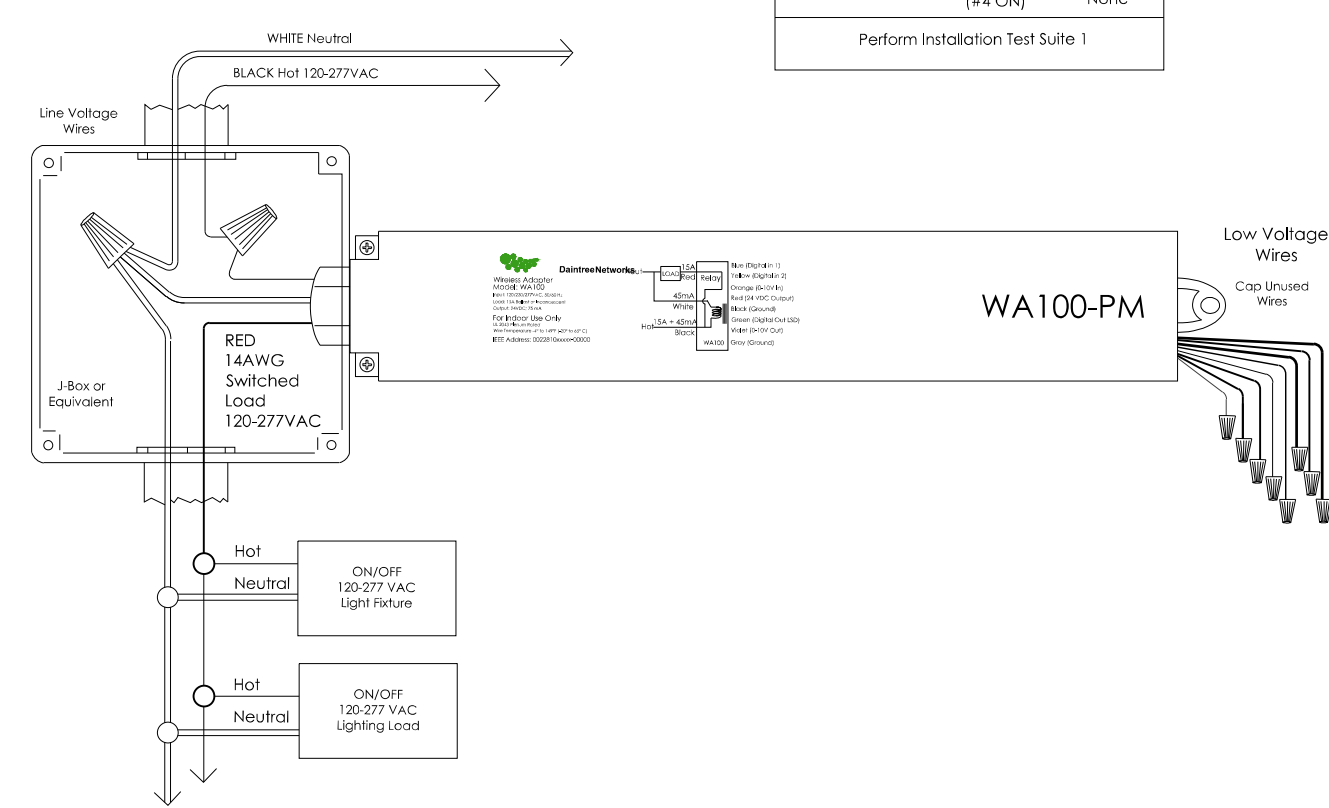


FIGURE 2: LIGHTING ZONE DIMMING WITH PHASE CONVERTOR MODULE

Switching a 20A Branch Circuit, Load limit 15A:

This configuration allows the WA100-PM to provide On/Off/dimming switching of a branch circuit.

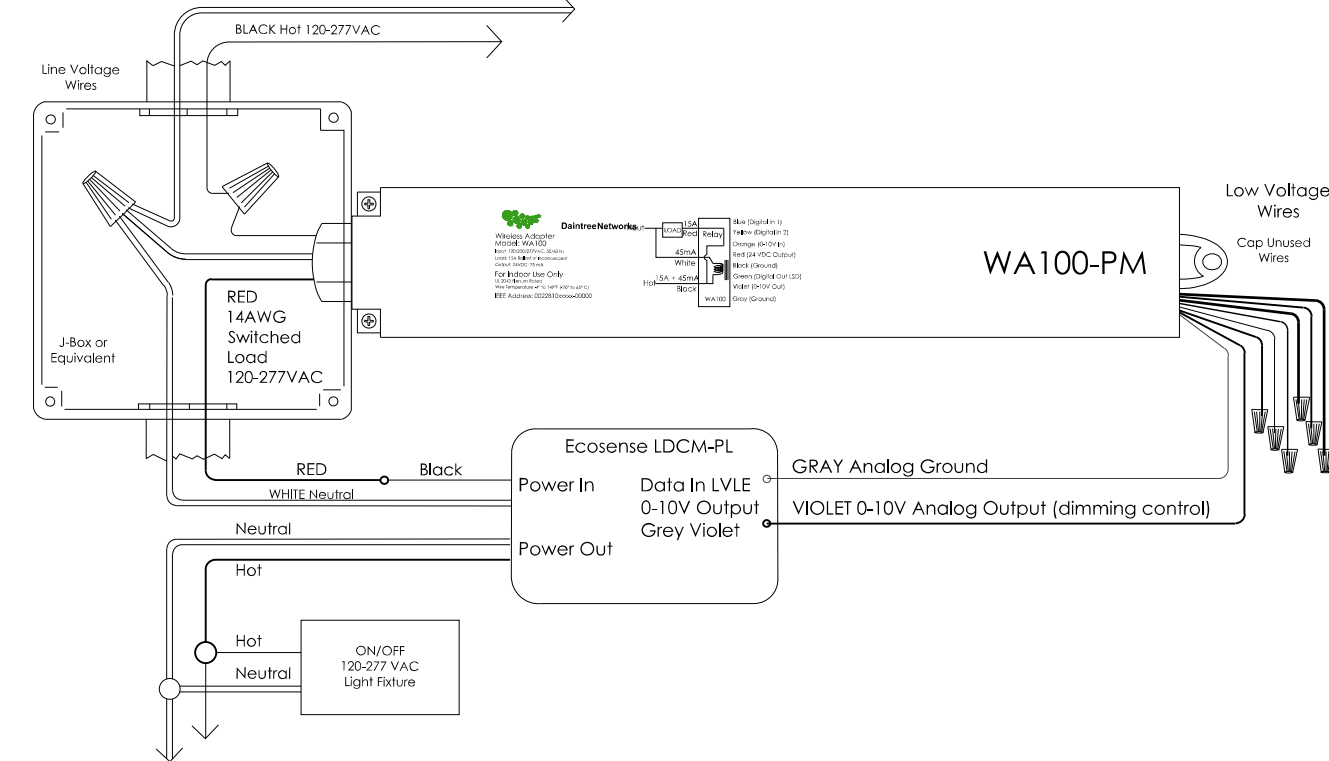


FIGURE 4: WA100-PM WITH (EXTERIOR) PHOTOCELL

Switching a 20A Branch Circuit, Load limit 15A:

This configuration allows the WA100-PM to provide On/Off switching of lighting load(s).

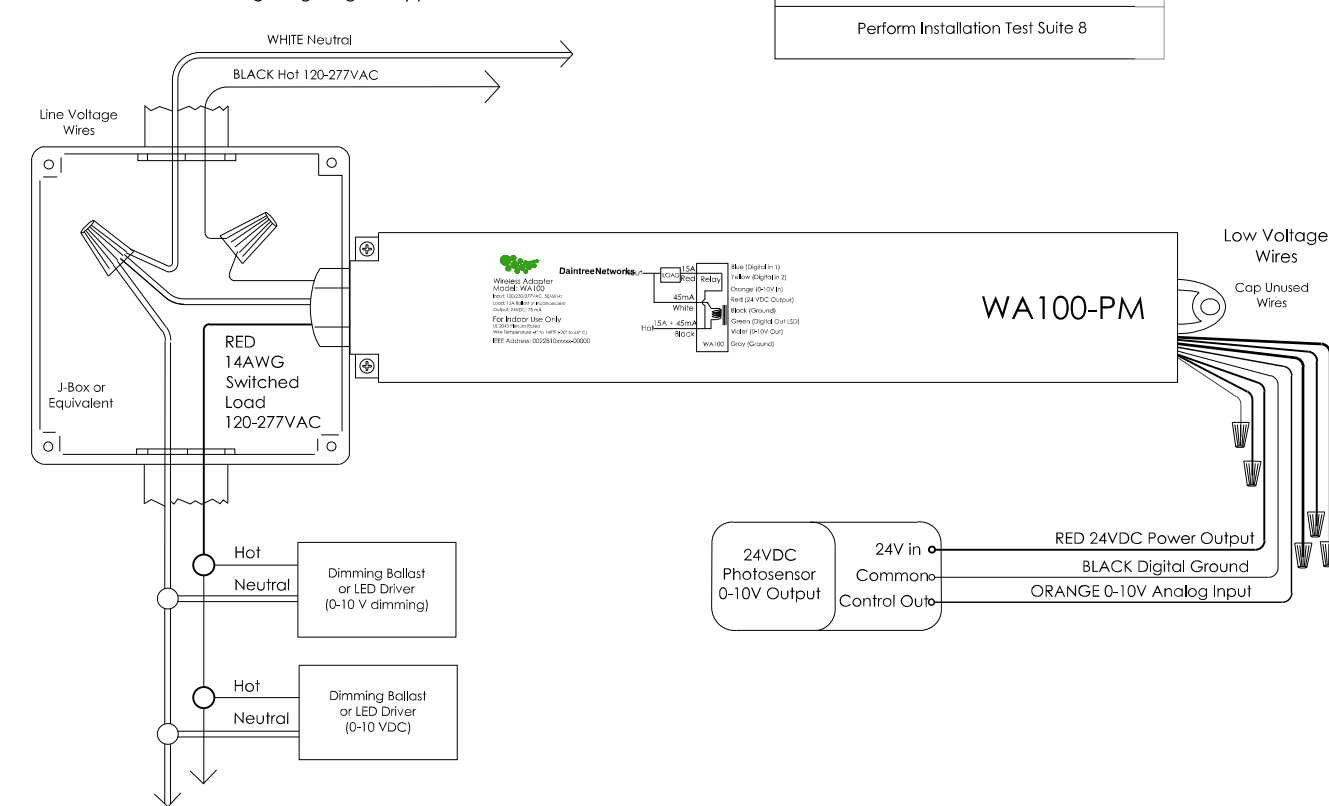


FIGURE 5: DIMMING LIGHT FXTURE(S) CONFIGURATION

Switching a 20A Branch Circuit, Load limit 15A:

This configuration allows the WA100-PM to provide On/Off/dimming switching of a branch circuit.

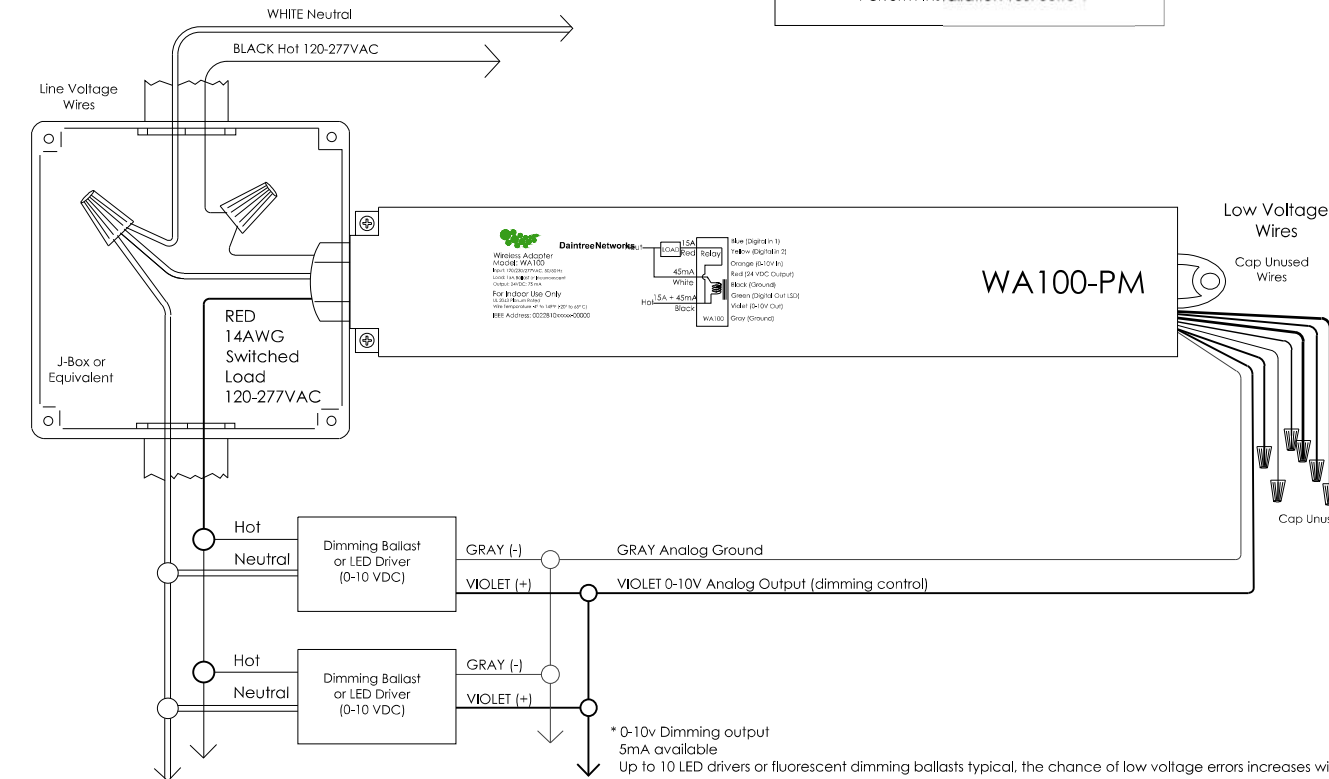


Fig. 6: Dimming Light Fixture(s), Photosensor configuration

This configuration allows the WA100-PM to provide automatic 0-10V dimming control and to switch light fixtures On/Off.

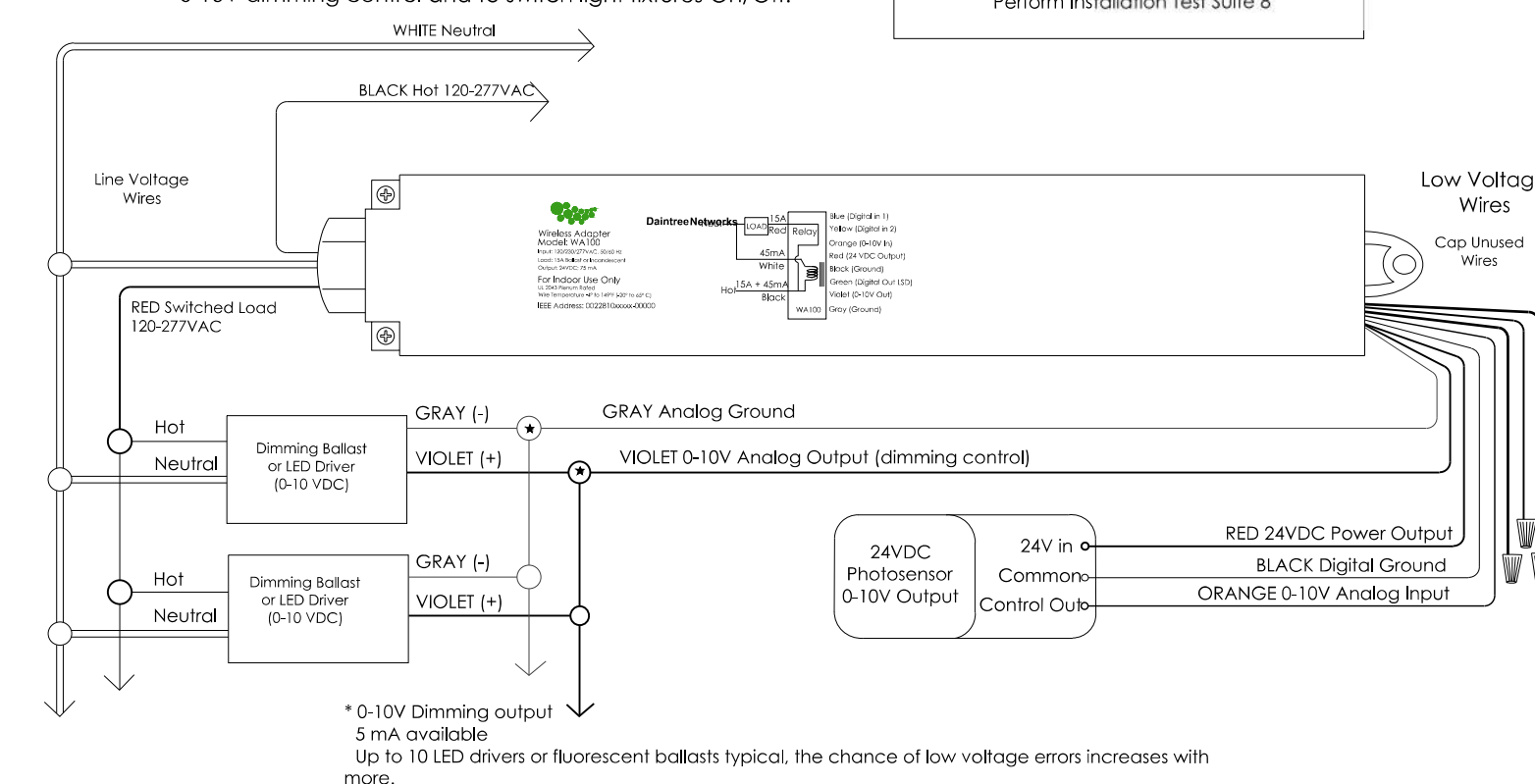


FIGURE 7: WGA100 WITH LEAK DETECTION SENSOR

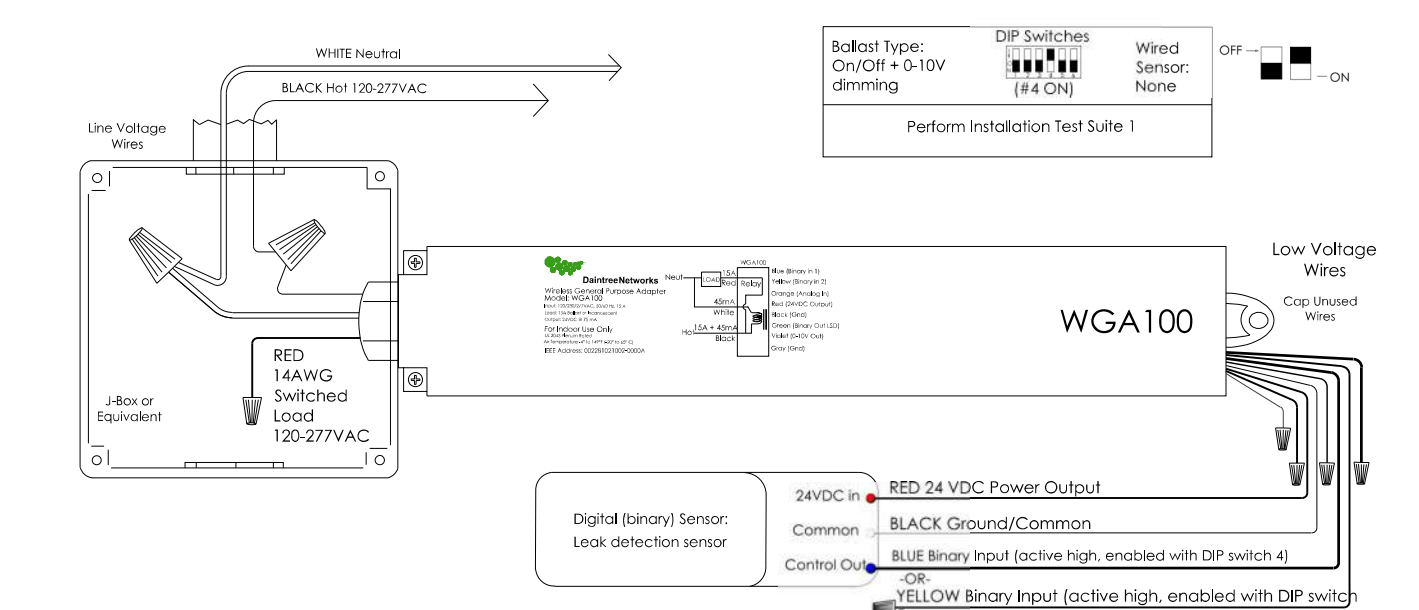


FIGURE 8A: WSA10 FOR HUMIDITY AND CO2 SENSORS

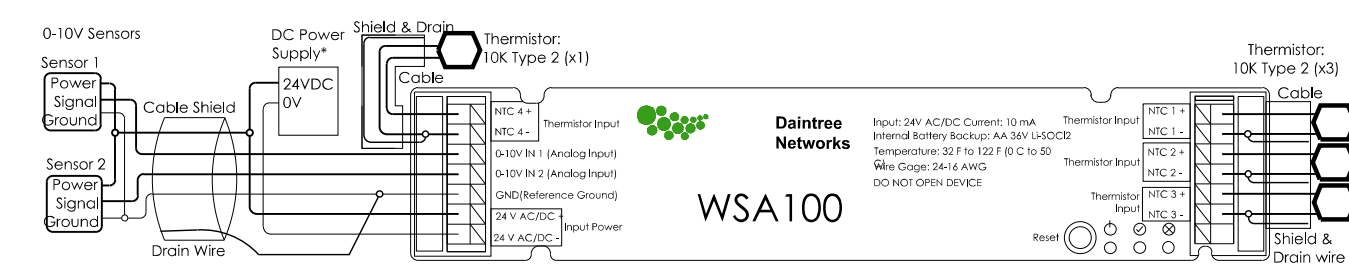


FIGURE 8B: WGA100 ANALOG INPUT CONFIGURATION WITH SELF-POWERED FAN CT

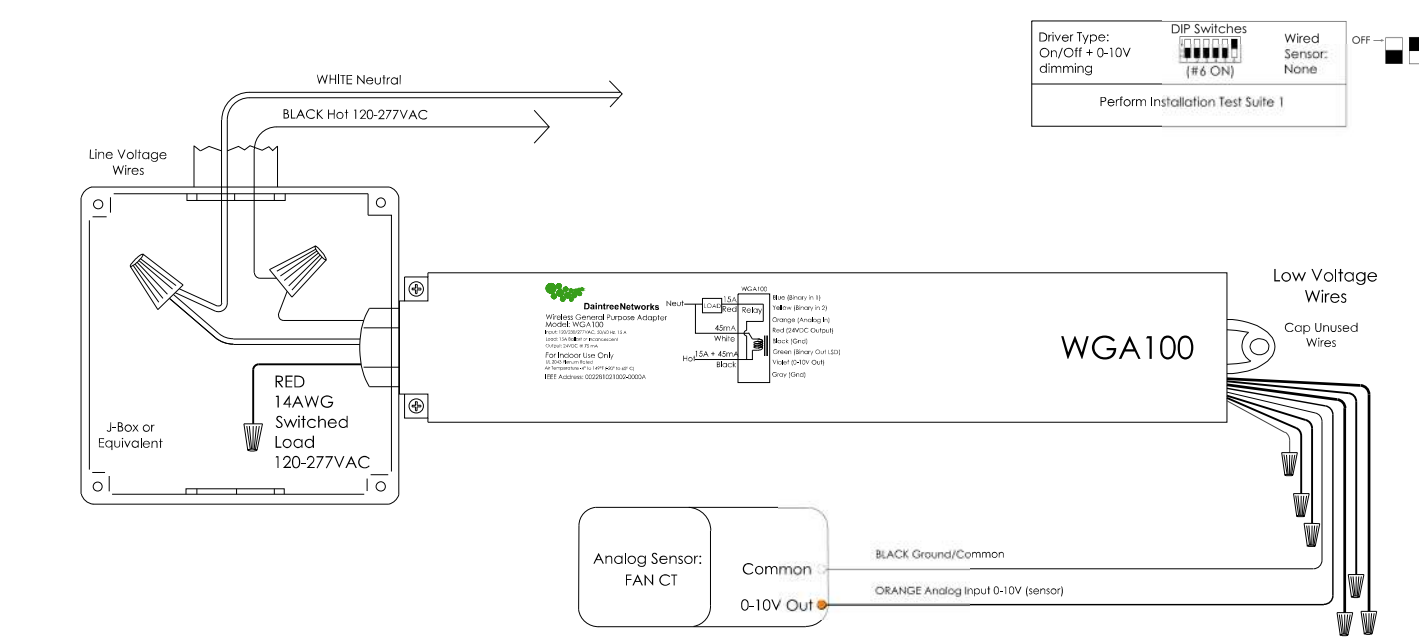


FIGURE 12: 208 V 2-POLE (PHASE-TO-PHASE) WIRING.

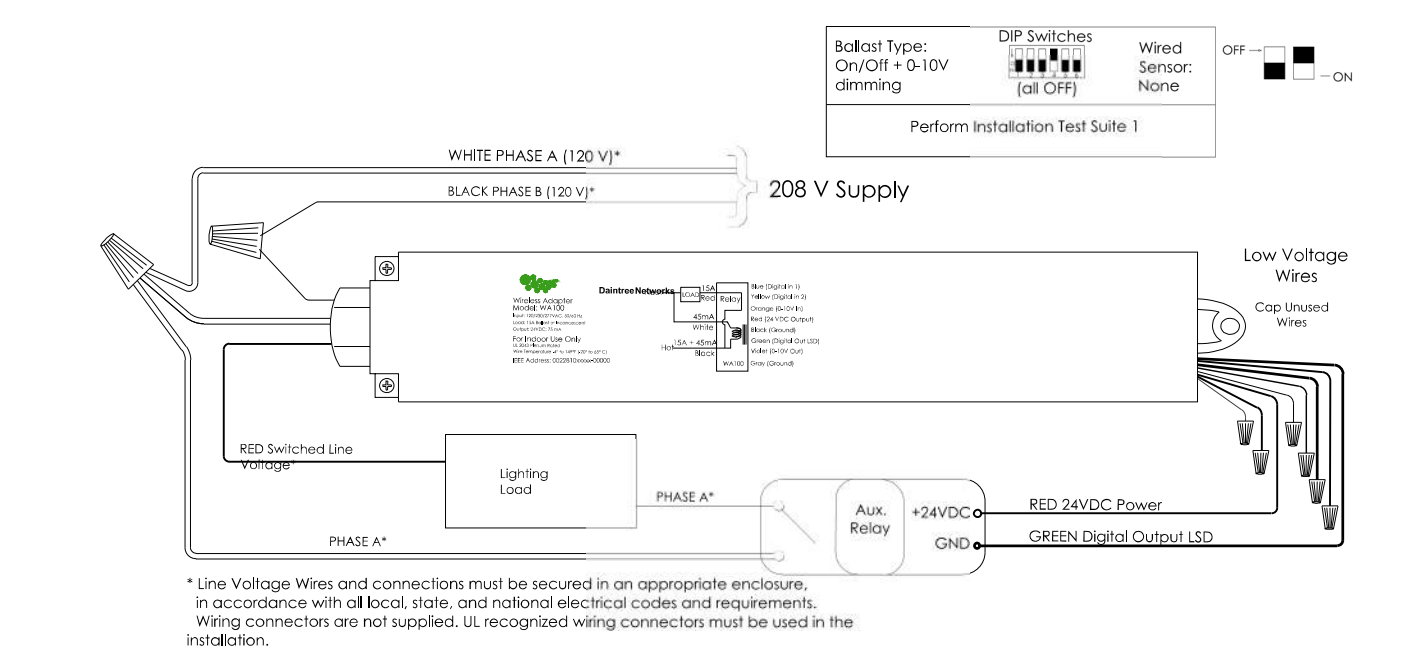


FIGURE 9A: WA100-PM DIMMING CONFIGURATION W/ AUXILIARY RELAY FOR PLUG LOAD CONTROL

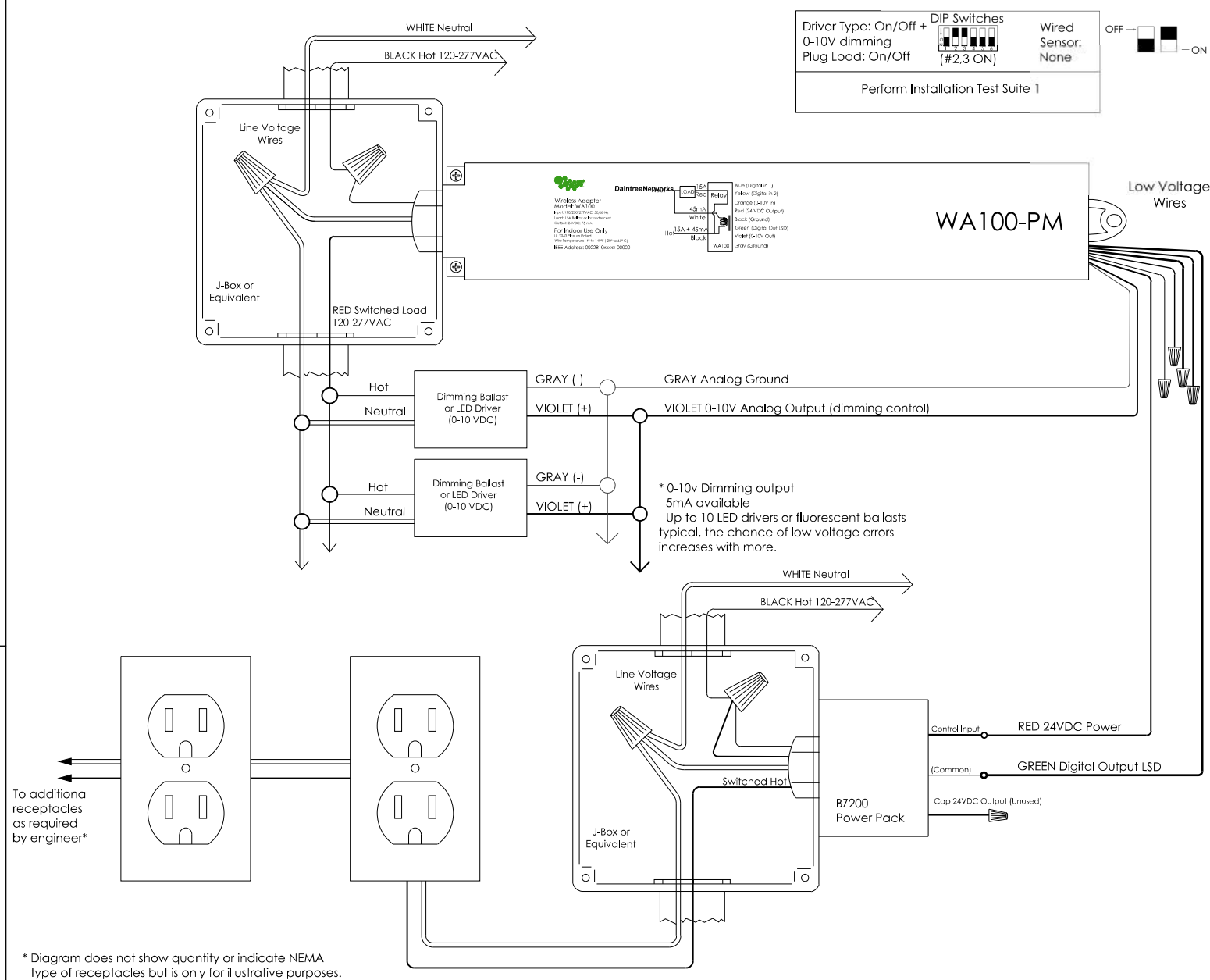


FIGURE 9A: WA100-PM DIMMING CONFIGURATION W/ AUXILIARY RELAY FOR PLUG LOAD CONTROL

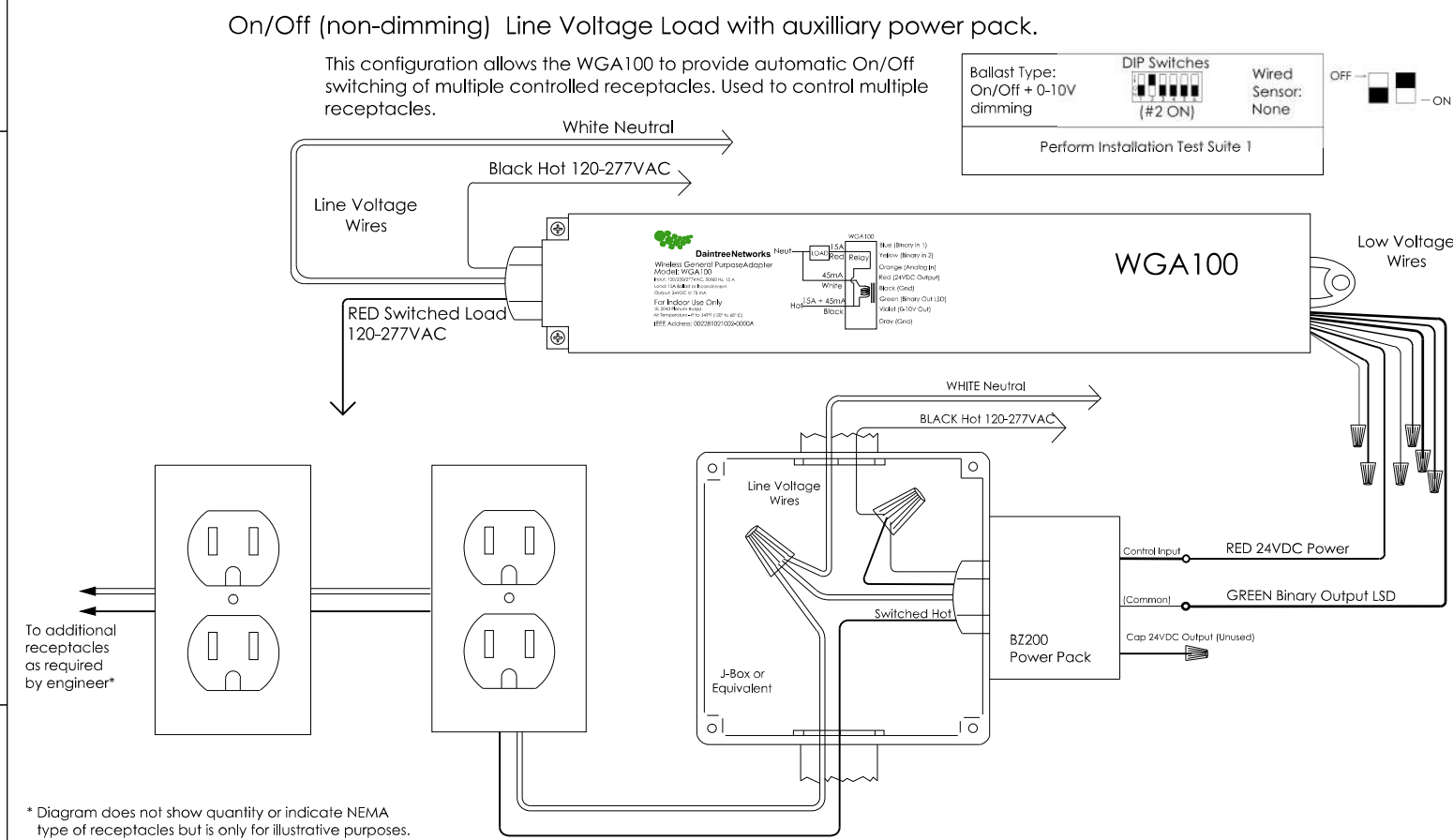


FIGURE 10: 15A NON-LIGHTING LOAD CONFIGURATION

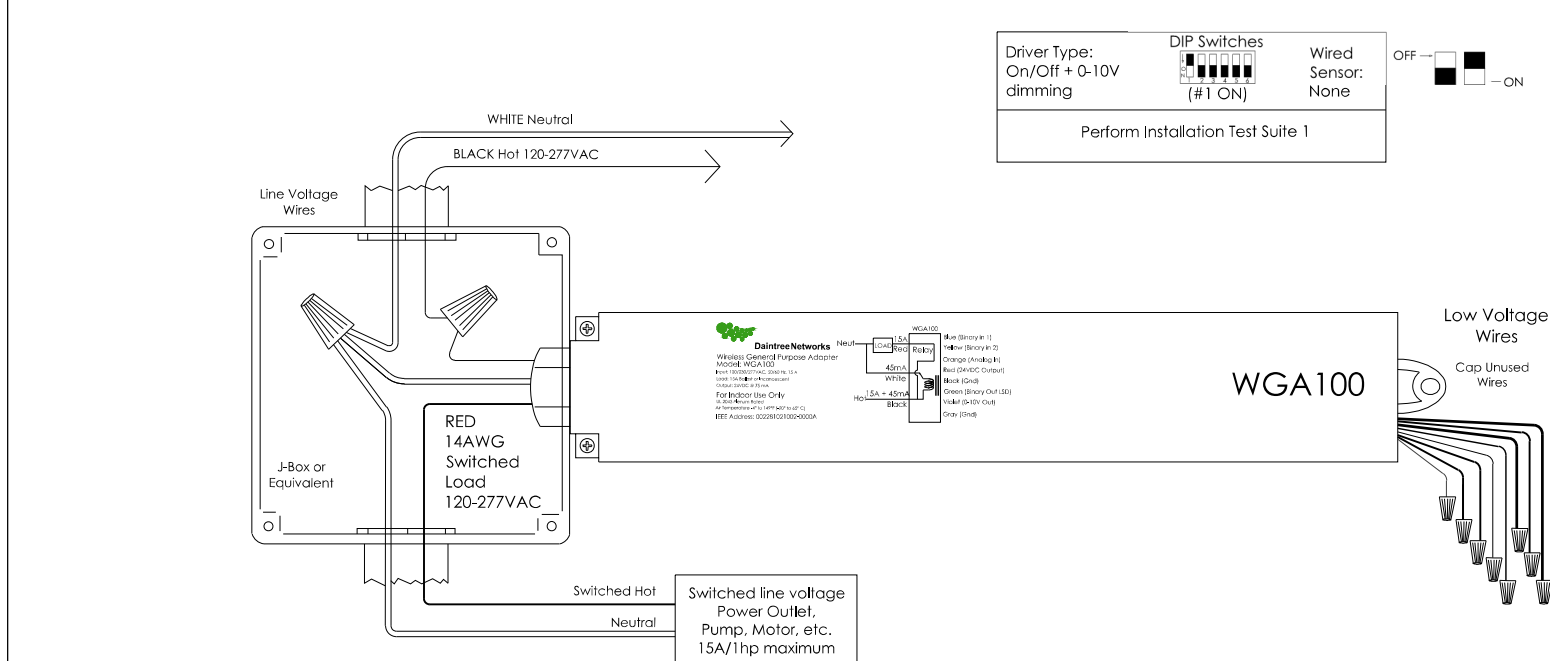
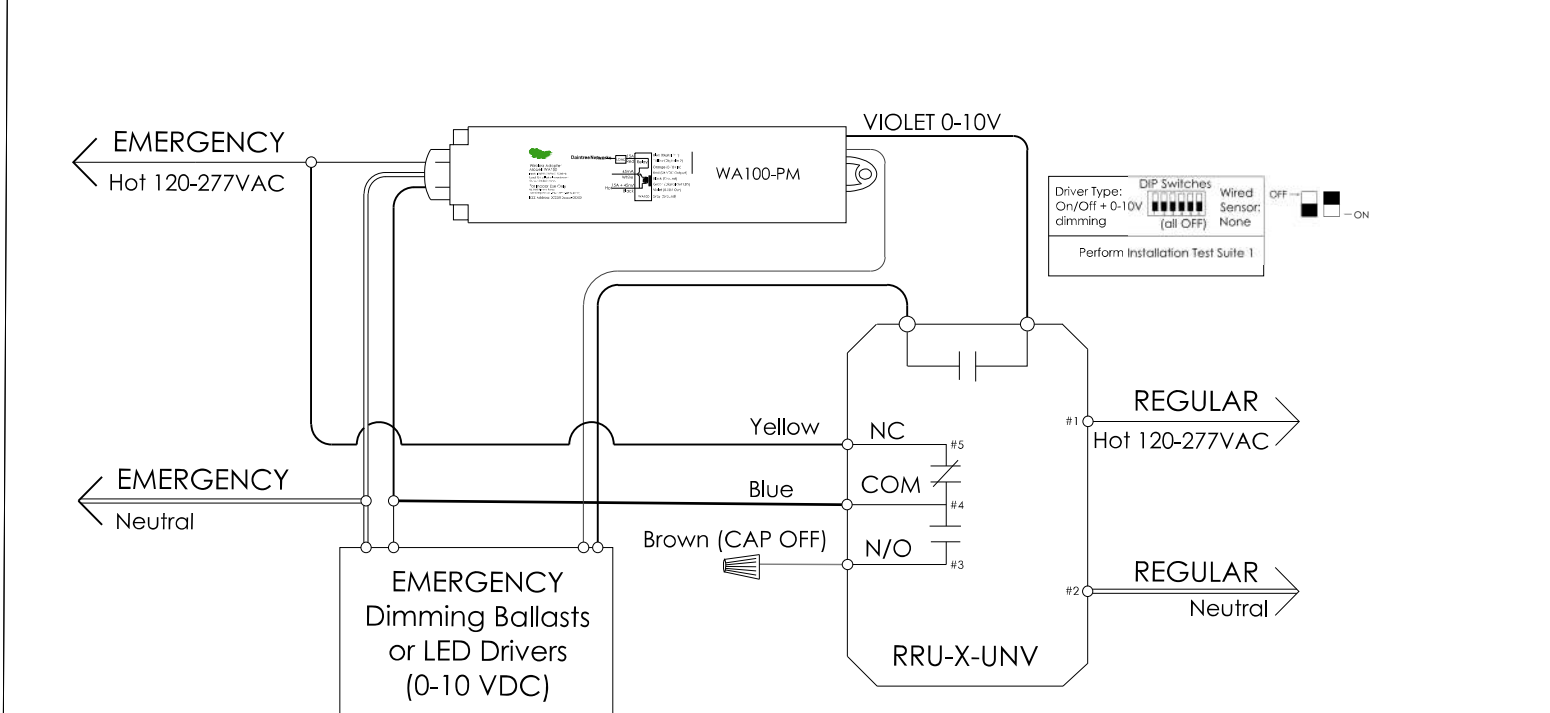


FIGURE 11: WA100-PM DIMMING CONFIGURATION FOR EMERGENCY ZONES USING SHUNT RELAY RRU-X-UNV



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**BMS MANUFACTURER'S  
DEVICE WIRING DIAGRAMS**

02/04/2022

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SECTION 27 00 00 - COMMUNICATIONS INTRODUCTORY STANDARD	
PART 1 -	
1.1 GENERAL REQUIREMENTS	
A. THIS DOCUMENT IS INTENDED TO PROVIDE THE INFORMATION NECESSARY TO ALLOW THE DESIGN AND CONSTRUCTION TEAMS TO PLAN AND IMPLEMENT TELECOMMUNICATIONS CABLING INFRASTRUCTURES AND TO ENSURE THAT ALL NEW INSTALLATIONS AND RENOVATIONS ARE UNIFORM AND CONSISTENT WITH COMPANY-WIDE STANDARDS. THIS DOCUMENT IDENTIFIES THE TELECOMMUNICATIONS INFRASTRUCTURE REQUIREMENTS FOR RETAIL SPACES.	
B. IT IS ENVISIONED THAT NOT ALL RETAIL SPACES WILL REQUIRE THE COMPLETE RANGE OF SERVICES AND TELECOMMUNICATIONS INFRASTRUCTURE DESCRIBED IN THIS DOCUMENT. THE EXACT SOLUTION THAT SUITS EACH PARTICULAR SPACE WILL BE DEFINED AT THE COMMENCEMENT OF EACH PROJECT BY THE PROJECT TEAM.	
1.2 PURPOSE	
A. THIS STANDARD FOR RETAIL STRUCTURED CABLING DESIGN AND THE ACCOMPANYING APPENDICES IS INTENDED AS A STANDARD TO BE USED BY CONSTRUCTION DESIGN PROFESSIONALS (ARCHITECTS, ENGINEERS, DESIGNERS, ETC.). ITS PURPOSE IS TO DEFINE THE BASELINE DESIGN FOR RETAIL FACILITIES IN ORDER TO MAKE THEM EASIER TO SPECIFY, UTILIZE, AND MANAGE, AND TO STATE THE CABLING INFRASTRUCTURE STANDARDS ASSOCIATED WITH THESE SPACES. TO PROMOTE WIDE UNDERSTANDING IT IS BUILT UPON A FOUNDATION OF RECOGNIZED INDUSTRY STANDARDS AND BEST PRACTICES.	
B. THIS STANDARD MUST BE USED AS A TOOL TO PLAN RETAIL FACILITIES. THIS DOCUMENT IS NOT INTENDED TO REPLACE THE SPECIFIC NEEDS OF A GIVEN RETAIL FACILITY OR ASSOCIATED DESIGN COORDINATION. IT MUST BE USED IN CONJUNCTION WITH NEEDS ASSESSMENT AND PROPER DESIGN COORDINATION. SPECIFIC PROJECT REQUIREMENTS SHALL BE DEFINED IN T-SERIES DRAWINGS THAT SHALL BE ISSUED AS PART OF A COMPLETE CONSTRUCTION DRAWING SET WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.	
C. IF A STANDARD CANNOT BE MET DURING THE PLANNING AND DESIGN PHASES, THE GROUP ACCOUNTABLE TO MEET THE REQUIREMENTS MUST SUBMIT A REQUEST FOR EXCEPTION APPROVAL PRIOR TO PROCEEDING WITH A DEVIATION FROM THE STANDARD.	
1.3 DESIGN CONSULTANT REQUIREMENTS	
A. IN THE CASE WHERE A PROJECT IS DESIGNED BY AN ENTITY OTHER THAN THE JPMC STRUCTURED CABLING ENGINEERING TEAM, THE DESIGN CONSULTANT SHALL MEET ONE OF THE FOLLOWING CRITERIA:	
1. THE ENGINEER SHALL BE A BICSI RCDD IN GOOD STANDING WITH AT LEAST 2 YEARS OF EXPERIENCE IN STRUCTURED CABLING DESIGN AND CONSTRUCTION MANAGEMENT.	
2. THE ENGINEER SHALL HAVE 10 YEARS OF EXPERIENCE IN STRUCTURED CABLING DESIGN AND CONSTRUCTION MANAGEMENT.	
1.4 TECHNOLOGY SPACE DEFINITIONS	
A. THE FOLLOWING ARE THE TYPES OF TECHNOLOGY SPACES THAT ARE FOUND IN RETAIL FACILITIES, RETAIL MAIN EQUIPMENT ROOM (RMER), RETAIL TELECOMMUNICATIONS ROOM (RTR), AND RETAIL TELECOMMUNICATIONS ENCLOSURE (RTE).	
B. RETAIL MAIN EQUIPMENT ROOM (RMER): THE RMER SERVES AS A COMMON NETWORK DISTRIBUTION POINT FOR THE TELECOMMUNICATIONS ROOMS OR TELECOMMUNICATIONS ENCLOSURES WITHIN THAT BUILDING, HORIZONTAL CABLING DISTRIBUTION POINT FOR A GIVEN AREA, AND THE INTERFACE WITH THE TELECOMMUNICATIONS SERVICE PROVIDERS (CARRIERS). ITEMS WITHIN THE RMER INCLUDE:	
1. FLOOR MOUNTED EQUIPMENT RACKS.	
2. JPMC NETWORKING EQUIPMENT (ROUTERS AND SWITCHES).	
3. BACKBONE CABLING TERMINATIONS FROM RMER TO RTRs (IF APPLICABLE).	
4. HORIZONTAL CABLING TERMINATIONS.	
5. STRUCTURED CABLING PATHWAYS (LADDER RACKS AND FIRE-RATED WALL SLEEVES).	
6. WIRED TELECOMMUNICATIONS SERVICE PROVIDER CABLING ENTRANCE, CABLING TERMINATIONS, AND EQUIPMENT.	
7. WIRELESS TELECOMMUNICATIONS SERVICE PROVIDER CABLING ENTRANCE, CABLING TERMINATIONS, AND EQUIPMENT.	
8. TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.	
9. DEDICATED COOLING UNIT.	
10. AUDIO/VIDEO EQUIPMENT TO SUPPORT DIGITAL SIGNAGE APPLICATIONS.	
11. ACCESS CONTROL SYSTEM PANELS.	
12. INTRUSION DETECTION SYSTEM PANELS.	
13. MOOD MUSIC SYSTEM EQUIPMENT.	
14. BUILDING MANAGEMENT SYSTEM (BMS) EQUIPMENT.	
C. RETAIL TELECOMMUNICATIONS ROOMS (RTR): A RTR SERVES AS A HORIZONTAL CABLING DISTRIBUTION POINT FOR A GIVEN AREA. ITEMS WITHIN A RTR INCLUDE:	
1. FLOOR MOUNTED RACK OR WALL MOUNTED-FLOOR SUPPORTED EQUIPMENT CABINET.	
2. JPMC NETWORKING EQUIPMENT (SWITCHES).	
3. BACKBONE CABLING TERMINATIONS TO THE RMER.	
4. HORIZONTAL CABLING TERMINATIONS.	
5. STRUCTURED CABLING PATHWAYS (LADDER RACKS AND FIRE-RATED WALL SLEEVES).	
6. TELECOMMUNICATIONS GROUNDING BUSBAR.	
7. DEDICATED COOLING UNIT.	
8. AUDIO/VIDEO EQUIPMENT TO SUPPORT DIGITAL SIGNAGE APPLICATIONS.	
D. STAND ALONE ATM: SMALL ROOM ADJOINING OR BEHIND THE FRONT OF THE ATMS AS A HORIZONTAL CABLING DISTRIBUTION POINT FOR A LIMITED AMOUNT OF CABLES (NO MORE THAN 24). ITEMS INCLUDE:	
1. FLOOR MOUNTED RACK OR WALL MOUNTED-FLOOR SUPPORTED EQUIPMENT CABINET.	
2. JPMC NETWORKING EQUIPMENT (SWITCH).	
3. HORIZONTAL CABLING TERMINATIONS.	
4. STRUCTURED CABLING PATHWAYS (LADDER RACKS AND FIRE-RATED WALL SLEEVES).	
5. WIRED TELECOMMUNICATIONS SERVICE PROVIDER CABLING ENTRANCE, CABLING TERMINATIONS, AND EQUIPMENT.	
6. WIRELESS TELECOMMUNICATIONS SERVICE PROVIDER CABLING ENTRANCE, CABLING TERMINATIONS, AND EQUIPMENT.	
7. TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.	
8. AUDIO/VIDEO EQUIPMENT TO SUPPORT DIGITAL SIGNAGE APPLICATIONS.	
F. ITEMS NOT WITHIN THE RMER OR RTR INCLUDE:	
1. ELECTRICAL PANELS.	
2. FIRE ALARM PANELS.	
3. DOMESTIC WATER PIPING.	
4. SANITARY WATER PIPING.	
5. HVAC PIPING UNLESS TO SUPPORT THE RMER/RTR COOLING UNIT.	
6. FIRE PROTECTION PIPING UNLESS TO SUPPORT THE RMER/RTR PER LOCAL CODES.	
G. ITEMS NOT WITHIN TE INCLUDE:	
1. DOMESTIC WATER PIPING.	
2. SANITARY WATER PIPING.	
3. HVAC PIPING.	
4. FIRE PROTECTION PIPING UNLESS TO SUPPORT THE TE PER LOCAL CODES.	
H. GUIDELINES FOR QUANTITY AND LOCATION OF CRITICAL TECHNOLOGY SPACES.	
1. RMER:	
a. ONE PER FACILITY, CENTRALLY LOCATED AS MUCH AS POSSIBLE, TO SERVE UP TO 10,000 SQUARE FEET OF SPACE ON THE SAME3 FLOOR/LEVEL.	
2. RTR:	
a. ONE PER ADDITIONAL FLOOR/LEVEL THAT THE RMER DOES NOT SERVE, CENTRALLY LOCATED AS MUCH AS POSSIBLE.	
b. ONE PER ADDITIONAL 10,000 SQUARE FEET THAT THE RMER DOES NOT SERVE, CENTRALLY LOCATED AS MUCH AS POSSIBLE FOR32 THE AREA SERVED.	
3. TE:	
a. ONLY TO BE USED WITHIN A STAND-ALONE ATM DESIGN (NON-STAFFED LOCATION WITH ONLY ONE OR TWO ATMS).	
1.5 DEFINITIONS/TERMINOLOGY/ABBREVIATIONS	
A. AHJ: AUTHORITY HAVING JURISDICTION AS DEFINED BY THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.	
B. AS-BUILT: DOCUMENTATION THAT INCLUDES FLOOR PLAN DRAWINGS THAT INDICATE ALL STRUCTURED CABLING OUTLET LOCATIONS WITH CABLE LABELING, MAJOR CABLING PATHWAYS, AND RMER/RTRTE LAYOUTS WITH RACK ELEVATIONS UPON JOB COMPLETION THAT REFLECTS CHANGES FROM THE PLANNED TO THE FINISHED STATE.	
C. CM: CONSTRUCTION MANAGER	

D. CONTRACTOR: THE STRUCTURED CABLING INSTALLATION CONTRACTOR
E. FURNISH: THE CONTRACTOR SHALL SUPPLY.
F. GC: GENERAL CONTRACTOR
G. HC: HORIZONTAL CROSS-CONNECT
H. ILEC: INCUMBENT LOCAL EXCHANGE CARRIER.
I. INSTALL: TO PUT INTO PLACE OR FIX IN POSITION READY FOR USE.
J. JPMC: JP MORGAN CHASE & COMPANY
K. MANDATORY: EQUIVALENT TERMS INCLUDE <i>MUST, SHALL, WILL, IS REQUIRED, &amp; ARE REQUIRED</i> .
L. RMER: RETAIL MAIN EQUIPMENT ROOM
M. RTR: RETAIL TELECOMMUNICATIONS ROOM
N. OPR: OWNER'S PROJECT REPRESENTATIVE. JPMC'S DESIGNATED REPRESENTATIVE RESPONSIBLE FOR A SUCCESSFUL PROJECT OUTCOME.
O. OPTIONAL: EQUIVALENT TERMS INCLUDE <i>CAN, MAY, SHOULD, PREFERABLY, PREFERS, DESIRED, &amp; DESIRABLE</i> .
P. OWNER: JP MORGAN CHASE & COMPANY
Q. PROJECT DOCUMENTS: ALL DOCUMENTS THAT PERTAIN TO THE PROJECT, INCLUDING, BUT NOT LIMITED TO, PROJECT DRAWINGS, THIS STANDARD, AND PROJECT SPECIFICATIONS.
R. PROVIDE: TO FURNISH AND INSTALL.
S. SPECIFICATIONS: DIVISION 27 SPECIFICATIONS, WHICH OUTLINES GENERAL INSTALLATION REQUIREMENTS.
T. TE: TELECOMMUNICATIONS ENCLOSURE
1.6 CODES, REGULATIONS, & STANDARDS
A. ALL ASPECTS OF CONSTRUCTION AND INSTALLATION MUST MEET APPLICABLE LOCAL, STATE, AND FEDERAL LAWS, AS WELL AS ANY REGULATORY SPECIFIC TO A SITE. LEGALLY BINDING REQUIREMENTS MUST PREVAIL IF THERE ARE ANY CONFLICTS WITH REQUIREMENTS STATED OR IMPLIED IN THIS DOCUMENT. THE AHJ WILL BE THE ARBITER IN SITUATIONS WHERE INTERPRETATION IS NECESSARY TO CLARIFY INFORMATION, OR TO RESOLVE CONFLICTS INVOLVING LEGALLY BINDING REQUIREMENTS.
B. WORK SAFETY MUST BE IN COMPLIANCE WITH PUBLIC LAW 91-596, OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). AS APPLICABLE, REQUIREMENTS OF THE NFPA 101 LIFE SAFETY CODE MUST BE FOLLOWED.
C. CODES, REGULATIONS, STANDARDS, AND INDUSTRY PRACTICES DOCUMENTS EXPLICIT TO THIS STANDARD ARE LISTED IN SECTION 1.8 BELOW, BUT THEY ARE NOT EXHAUSTIVE. EVEN WHEN NOT EXPLICITLY CITED WITHIN THIS DOCUMENT, THERE IS AN IMPLIED REQUIREMENT OF COMPLIANCE WITH INDUSTRY NORMS REFLECTED IN RECOGNIZED STANDARDS AND PRACTICES, AS WELL AS REQUIREMENTS BASED IN LAW.
D. CODES, REGULATIONS, STANDARDS, AND INDUSTRY PRACTICES DOCUMENTS CHANGE OVER TIME. CURRENT GOVERNING CODES AND REGULATIONS AT A SITE LOCATION, AND THE MOST RECENT EDITION OF STANDARDS AND PRACTICES DOCUMENTS (INCLUDING ERRATA, ANNEXES, AND AMENDMENTS) MUST BE USED AT THE TIME FACILITIES ARE DESIGNED AND WHEN THEY ARE UTILIZED.
E. ALTHOUGH A NUMBER OF STANDARDS AND PRACTICES ARE CITED IN THIS DOCUMENT, ANSI/TIA-569 "COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS" HAS BOTH EXPLICIT AND IMPLICIT THREADS THROUGHOUT.
F. ADDITIONALLY INFLUENCING THIS STANDARD ARE ACCEPTED INDUSTRY PRACTICES DOCUMENTS SUCH AS THOSE IN THE NECA/BICSI-568 "STANDARD FOR INSTALLING COMMERCIAL BUILDING COMMUNICATIONS CABLING", AND THE BICSI "TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM)".
1.7 REFERENCED JPMC STANDARDS
A. FOR ARCHITECTURE: RETAIL DESIGN COMMUNICATION #18-007.
B. FOR PHYSICAL SECURITY: TS - NAMR - RETAIL FACILITY SECURITY DESIGN STANDARD VERSION 1.0
1.8 REFERENCED CODES AND STANDARDS
A. UNLESS OTHERWISE SPECIFICALLY STATED IN THIS DOCUMENT, ALL WORK SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THE FOLLOWING REFERENCE STANDARDS. IN ANY CASE WHERE REGIONAL STANDARDS DISAGREE, LOCAL CODES AND STANDARDS APPLY. EVEN WHEN NOT EXPLICITLY CITED WITHIN THIS STANDARD DOCUMENT, THERE IS AN IMPLIED REQUIREMENT OF COMPLIANCE WITH INDUSTRY NORMS REFLECTED IN RECOGNIZED STANDARDS AND PRACTICES, AS WELL AS REQUIREMENTS BASED IN LAW. CURRENT GOVERNING CODES AND REGULATIONS AT A SITE LOCATION, AND THE MOST RECENT EDITION OF STANDARDS AND PRACTICES DOCUMENTS (INCLUDING ERRATA, ANNEXES, AND AMENDMENTS) MUST BE USED.
1. AMERICANS WITH DISABILITIES ACT (ADA)
2. ASHRAE TC9.9 2011 THERMAL GUIDELINES FOR DATA PROCESSING ENVIRONMENTS
3. BICSI TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL, (CURRENT EDITION)
4. CANULC S115, STANDARD METHOD OF FIRE TESTS OF FIRESTOPS SYSTEMS
5. NFPA 70 NATIONAL ELECTRICAL CODE (CURRENT VERSION AS APPLICABLE TO SITE LOCATION)
6. TIA 568.0.D - GENERIC TELECOMMUNICATIONS CABLING FOR CUSTOMER PREMISES
7. TIA 568.1.D - COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD
8. TIA 568-C.2 - BALANCED TWISTED-PAIR TELECOMMUNICATIONS CABLING AND COMPONENTS STANDARDS
9. TIA 568.3.D - OPTICAL FIBER CABLING COMPONENTS STANDARD
10. TIA -569-C COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES
11. ANSI/TIA-EIA-569-D TELECOMMUNICATIONS PATHWAYS AND SPACES
12. TIA/EIA-606-C ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE
13. TIA-607 COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
14. TIA/EIA-72 CENTRALIZED OPTICAL FIBER CABLING GUIDELINES
15. TIA/EIA-758-B CUSTOMER-OWNED OUTSIDE PLANT TELECOMMUNICATIONS CABLING STANDARD

PART 2 - PRODUCTS	
2.1 STRUCTURED CABLING REQUIREMENTS	
A. COPPER AND FIBER OPTIC CABLING	
1. FOR UTP COPPER CABLING AND FI/UTP COPPER CABLING, ALL MATERIAL SHALL BE MANUFACTURED BY COMMSCOPE SYSTIMAX AND THE CONTRACTOR SHALL BE AN AUTHORIZED COMMSCOPE UNIPRISE BUSINESS PARTNER (BP).	
2. FOR FIBER OPTIC CABLING, ALL MATERIAL SHALL BE MANUFACTURED BY CORNING AND THE CONTRACTOR SHALL BE CERTIFIED AS A CORNING PREFERRED INSTALLER (PI).	
B. CABLING TYPES	
1. HORIZONTAL CABLING FOR ALL WIRELESS ACCESS POINTS AND IP-SECURITY CAMERAS UP TO 100M IN LENGTH SHALL BE CATEGORY 6A UTP.	
2. HORIZONTAL CABLING FOR ALL NON-WIRELESS ACCESS POINTS AND NON-IP-SECURITY CAMERAS UP TO 100M IN LENGTH SHALL BE CATEGORY 6 UTP.	
3. HORIZONTAL CABLING FOR ALL HB0ASE-T CONNECTIONS SHALL BE CATEGORY 6A FI/UTP.	
4. HORIZONTAL CABLING FOR IP-SECURITY CAMERAS OVER 100M IN LENGTH SHALL BE OM3 MULTIMODE FIBER OPTIC CABLE.	
C. CABLE SUPPORT & PROTECTION	
1. WITHIN JPMC OWNED OR LEASED SPACES:	
a. ABOVE AN ACCESSIBLE CEILING: SUPPORTED BY EITHER J-HOOKS OR A WIRE-BASKET STYLE CABLE TRAY.	
b. ABOVE A HARD CEILING: WITHIN CONDUIT.	
2. OUTSIDE OF JPMC OWNED OR LEASED SPACES:	
a. ABOVE AN ACCESSIBLE CEILING: WITHIN CONDUIT.	
b. ABOVE A HARD CELING: WITHIN CONDUIT.	
3. ANY REQUIRED JUNCTION AND/OR PULL BOXES LOCATED OUTSIDE OF JPMC OWNED OR LEASED SPACE SHALL BE PROVIDED WITH LOCKS OR TAMPER-PROOF SCREWS SO THAT THE CABLING IS INACCESSIBLE TO ANYONE OTHER THAN JPMC PERSONNEL.	
D. MATERIAL INTERPRETATION	
1. THIS SPECIFICATION CONTAINS ALL PRODUCTS CURRENTLY APPROVED BY OWNER. CONTRACTOR SHOULD NOT ASSUME THAT MATERIALS LISTED IN THIS SPECIFICATION MUST BE INSTALLED MERELY BECAUSE THEY ARE LISTED IN THIS SPECIFICATION. PROJECT-SPECIFIC DETAIL ON REQUIRED MATERIALS IS FURTHER DEFINED IN THE ACCOMPANYING PROJECT DRAWINGS.	
PART 3 - EXECUTION	
1. RMER, RTR, & STAND ALONE ATM DESIGN REQUIREMENTS	
A. FOR SITE UTILITIES, ARCHITECTURAL, MECHANICAL, FIRE SUPPRESSION, ELECTRICAL, SECURITY, AND MORE STRUCTURED CABLING REQUIREMENTS, SEE APPENDIX B.	
2. CONSTRUCTION PROGRESS CHECKLIST	
A. FOR A COMPREHENSIVE LIST OF ITEMS TO BE COMPLETED AT VARIOUS MILESTONES OF CONSTRUCTION, SEE APPENDIX A. THE MILESTONES ARE AS FOLLOWS AND SHALL BE INCORPORATED INTO THE CONSTRUCTION SCHEDULE.	
1. SHELL READY - CONSISTS OF GENERAL, MEP, & STRUCTURED CABLING CONSTRUCTION ITEMS.	
2. ROOM READY - CONSISTS OF GENERAL, MEP, SECURITY, & STRUCTURED CABLING CONSTRUCTION ITEMS.	
3. PRODUCTION READY - CONSISTS OF SECURITY, & STRUCTURED CABLING CONSTRUCTION ITEMS.	
4. WORKPLACE READY - CONSISTS OF GENERAL, MEP, FURNITURE, SECURITY, & STRUCTURED CABLING CONSTRUCTION ITEMS OUTSIDE OF THE RMER/RTR.	

END OF SECTION

SECTION 27 05 00 - QUALITY ASSURANCE FOR STRUCTURED CABLING	
PART 1 - GENERAL	
1.1 DESCRIPTION	
A. THIS SPECIFICATION PROVIDES THE REQUIREMENTS FOR ALL STRUCTURED CABLING INSTALLATION CONTRACTORS.	
1.2 INSTALLATION CONTRACTOR REQUIREMENTS	
A. CERTIFICATIONS/TRAINING	
1. THE CONTRACTOR MUST HAVE FIVE YEARS MINIMUM EXPERIENCE IN STRUCTURED CABLING INSTALLATIONS.	
2. THE CONTRACTOR SHALL BE CONTRACTOR SHALL BE CERTIFIED BY THE MANUFACTURER OF THE SPECIFIED STRUCTURED CABLING IN ORDER TO PROVIDE THE MINIMUM TRENTY (20) YEAR EXTENDED PRODUCT AND APPLICATIONS ASSURANCE WARRANTY ON PARTS AND LABOR ASSOCIATED WITH THE UTP AND FI/UTP CABLING INFRASTRUCTURE.	
3. THE CONTRACTOR SHALL BE A CORNING CERTIFIED CONTRACTOR IN ORDER TO PROVIDE A MINIMUM TWENTY (20) YEAR EXTENDED PRODUCT AND APPLICATIONS ASSURANCE WARRANTY ON PARTS AND LABOR ASSOCIATED WITH THE FIBER CABLING INFRASTRUCTURE.	
4. THE CONTRACTOR MUST HAVE AT LEAST ONE EMPLOYEE THAT IS A BICSI CERTIFIED INSTALLER 1, INSTALLER 2, OR TECHNICIAN ON SITE DURING THE INSTALLATION OF STRUCTURED CABLING.	
B. UNION AFFILIATION	
1. IF REQUIRED BASED ON THE LOCATION OF THE PROJECT, THE CONTRACTOR SHALL BE A MEMBER OF THE LOCALLY RECOGNIZED UNION. THIS MAY INCLUDE, BUT NOT LIMITED TO, IBEW OR CWA.	
1.3 APPROVED CONTRACTORS	
A. PREFERRED CABLING CONTRACTOR MASTER LIST	
1. JPMC UTILIZES A LIST OF PRE-QUALIFIED CONTRACTORS TO PERFORM ALL STRUCTURED CABLING INSTALLATIONS. IN ORDER FOR A CONTRACTOR TO PROVIDE PRICING FOR A STRUCTURED CABLING INSTALLATION PROJECT, THE CONTRACTOR MUST BE ON THIS LIST.	
2. JPMC'S STRUCTURED CABLING DESIGN TEAM MAINTAINS THE PREFERRED CABLING CONTRACTOR MASTER LIST THAT IDENTIFIES CABLING CONTRACTORS THAT ARE PROPERLY AND TECHNICALLY QUALIFIED TO INSTALL PRODUCTS SPECIFIED WITHIN THIS STANDARD, HAVE THE FINANCIAL STRENGTH TO PERFORM PROJECTS WITHOUT DISRUPTIONS, AND HAVE A DOCUMENTED HISTORY OF SUCCESS IN PREVIOUS PROJECTS. THE STRUCTURED CABLING DESIGN TEAM IS THE SUBJECT MATTER EXPERT WITHIN JPMORGAN CHASE, REGARDING MATTERS INCLUDING, BUT NOT LIMITED TO QUALIFYING CERTIFIED CONTRACTORS. THE LIST IDENTIFIES IF A CONTRACTOR IS QUALIFIED TO PERFORM WORK IN OUR CORPORATE FACILITIES, AND/OR OUR RETAIL FACILITIES. GREAT CARE AND CONSTANT ATTENTION IS GIVEN TO THE MAINTENANCE OF THIS LIST, AND CONDITIONS FOR PROBATION AND ELIMINATION FROM OUR LIST BASED ON CONTRACTOR PERFORMANCE IS CONTAINED WITHIN THE PREFERRED CONTRACTOR MASTER LIST.	
B. SUBCONTRACTORS	
1. JPMC STRUCTURED CABLING PROJECTS AS DEFINED BY THIS STANDARD SHALL ONLY BE IMPLEMENTED BY CONTRACTORS ON THE PREFERRED CABLING CONTRACTOR MASTER LIST. THE INSTALLATION CONTRACTORS ON THIS LIST SHALL NOT SUBCONTRACT WORK TO OTHERS WITHOUT PRIOR WRITTEN OPR APPROVAL. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN REMOVAL FROM CONSIDERATION FOR FUTURE JPMC PROJECTS. CONTRACTOR SHALL EVALUATE STAFFING REQUIREMENTS FOR CONTEMPLATED JPMC PROJECTS, AND SUBMIT REQUEST FOR SAID OPR APPROVAL AT THE TIME THAT THEY TENDER THEIR INITIAL PROPOSAL.	
C. NEW CONTRACTOR PROBATION	
1. A CONTRACTOR THAT HAS BEEN ADDED TO THE PREFERRED CONTRACTOR LIST IS AUTOMATICALLY PLACED ON PROBATION. THE NEW CONTRACTOR PROBATION PERIOD IS THE GREATER OF 1) 90 DAYS, AND 2) AFTER TWO OR MORE PROJECTS HAVE BEEN ACCEPTED VIA AN ON-SITE INSPECTION BY OPR. THE NEW CONTRACTOR SHALL BE IMMEDIATELY AND PERMANENTLY REMOVED FROM THE PREFERRED CONTRACTOR LIST IF A) THE RESULTS OF AN ON-SITE INSPECTION ARE JUDGED BY THE INSPECTOR TO BE UNSATISFACTORY, OR B) UPON THE OCCURRENCE OF ONE PROBATION EVENT AS DEFINED UNDER EXISTING CONTRACTOR PROBATION IN THIS STANDARD. AT THE SUCCESSFUL CONCLUSION OF THE PROBATION PERIOD, THE NEW CONTRACTOR SHALL BE ADDED TO THE PREFERRED CONTRACTOR LIST.	
D. EXISTING CONTRACTOR PROBATION	
1. AN EXISTING CONTRACTOR PROBATION EVENT OCCURS WHEN THE STRUCTURED CABLING DESIGN TEAM DETERMINES, IN THEIR SOLE DISCRETION, THAT THE CONTRACTOR HAS FAILED TO ADHERE TO INSTALLATION REQUIREMENTS AS DEFINED BY THE RETAIL STRUCTURED CABLING DESIGN STANDARD AND AFFILIATED DOCUMENTS. CONTRACTOR SHALL BE NOTIFIED IN WRITING REGARDING THE PROBATION EVENT, INCLUDING DETAILS OF THE EVENT, DATE OF THE EVENT, AND CONTACT INFORMATION FOR THE OPR THAT IS RESPONSIBLE FOR ADMINISTRATION OF THE PROBATION. EXISTING CONTRACTOR PROBATION PERIOD IS THE GREATER OF 1) 90 DAYS, AND 2) AFTER TWO OR MORE PROJECTS HAVE BEEN ACCEPTED VIA AN ON-SITE INSPECTION BY OPR, AND DEVIATIONS ASSOCIATED WITH THE PROBATION EVENT HAVE BEEN CORRECTED AND ACCEPTED IN WRITING BY OPR. CONTRACTOR SHALL BE IMMEDIATELY AND PERMANENTLY REMOVED FROM THE PREFERRED CONTRACTOR LIST IF: A) TWO PROBATION EVENTS OCCUR IN ANY ROLLING 18-MONTH PERIOD, OR B) CONTRACTOR FAILS TO CORRECT DEVIATIONS FROM INSTALLATION REQUIREMENTS AS SPECIFIED IN THIS CLAUSE WITHIN 45 CALENDAR DAYS OF NOTIFICATION, OR C) CONTRACTOR HAS SUBCONTRACTED IN WHOLE OR IN PART A PROJECT WITHOUT PRIOR OWNER NOTIFICATION AND WRITTEN APPROVAL THEREOF, OR D) IN THE SOLE JUDGMENT OF OWNER, CONTRACTOR HAS FALSIFIED TEST RESULTS. CONTRACTOR SHALL BE NOTIFIED IN WRITING REGARDING PROBATION STATUS CHANGE, INCLUDING BUT NOT LIMITED TO PLACEMENT ON PROBATION, LIFTING OF PROBATION, AND REMOVAL FROM THE PREFERRED CONTRACTOR LIST.	
E. OTHER CONTRACTOR CHANGES	
1. UPON UNANIMOUS VOTE BY THE STRUCTURED CABLING TEAM, CONTRACTOR MAY BE REMOVED FROM THE PREFERRED CONTRACTOR LIST AT THE SOLE DISCRETION OF THE JPMC STRUCTURED CABLING TEAM AT ANY TIME, AND WITHOUT ADVANCE NOTICE BY JPMC. REASONS INCLUDE, BUT ARE NOT LIMITED TO:	
a. CONTRACTOR LOSS OF PROPER MANUFACTURER CERTIFICATION	
b. CONTRACTOR ASSESSMENT OF MACD (MOVE ADD CHANGE DISCONNECT) FEES, WHICH, IN THE SOLE JUDGMENT OF THE JPMC STRUCTURED CABLING TEAM, ARE DETERMINED TO BE CONSISTENTLY EXCESSIVE	
c. FALSIFYING TEST RESULTS.	
2. UPON EXECUTION OF THIS CLAUSE, THE JPMC STRUCTURED CABLING TEAM MAY OR MAY NOT ISSUE NOTIFICATION TO CONTRACTOR REGARDING SAID REMOVAL.	
1.4 OTHER CONTRACTOR REQUIREMENTS	
A. OMISSIONS	
1. CONTRACTOR OMISSION OF ANY REQUIREMENT DESCRIBED IN PROJECT DOCUMENTS SHALL NOT BE CONSTRUED AS TO RELIEVE CONTRACTOR OF ANY RESPONSIBILITY OR OBLIGATION REQUIRED TO AFFECT THE COMPLETE AND SATISFACTORY DELIVERY, OPERATION, AND SUPPORT OF ANY AND ALL MATERIALS OR SERVICES.	
B. CONTRACTOR ADVERTISING	
1. CONTRACTOR SHALL NOT SOLICIT WRITTEN OR VERBAL TESTIMONIALS FROM JPMC PERSONNEL AT ANY TIME. CONTRACTOR SHALL NOT INSTALL OR POST IN JPMC PROPERTIES ANY FORM OF SIGNAGE THAT CONTAINS CONTRACTOR NAME, ADDRESS, TELEPHONE NUMBER, OR LOGO. PHOTOGRAPHS WITHIN JPMC BUILDINGS INCLUDING TECHNOLOGY SPACES ARE STRICTLY PROHIBITED WITHOUT PRIOR APPROVAL OF JPMC IT RISK MANAGEMENT AND THE LOCAL JPMC SITE MANAGER. ALL REQUESTS SHALL BE SUBMITTED TO THE OPR FOR ROUTING.	
PART 2 - PRODUCTS	
2.1 GENERAL MATERIAL REQUIREMENTS	
A. NEW MATERIALS	
1. ALL CABLE AND MATERIALS SHALL BE NEW, UNLESS PREVIOUSLY APPROVED IN WRITING BY OPR. NEW EQUIPMENT AND MATERIALS SHALL BE WITHOUT BLEMISH OR DEFECT. NEW EQUIPMENT AND MATERIALS SHALL BE UNDERWRITERS LABORATORIES, INC. (UL) LABELED AND/OR LISTED WHERE SPECIFICALLY CALLED FOR, OR WHERE NORMALLY SUBJECT TO SUCH U.L. LABELING AND/OR LISTING SERVICES.	
B. EQUIVALENTS	
1. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PRODUCTS INSTALLED AT THIS FACILITY ARE COMPATIBLE WITH THE APPLICATION. THE OWNER MAKES NO REPRESENTATION REGARDING THE ACCURACY OF THE PART NUMBERS LISTED.	
C. SUBSTITUTIONS	
1. MATERIALS SHALL BE AS LISTED. NO SUBSTITUTIONS ARE ALLOWED WITHOUT WRITTEN CONSENT FROM THE JPMC STRUCTURED CABLING ENGINEERING TEAM. PROPOSALS FOR EQUIVALENT PRODUCTS MUST BE PRESENTED TO THE OPR VIA RFIS, SUBMITTALS, AND/OR SHOP DRAWINGS. OPR WRITTEN APPROVAL IS REQUIRED BEFORE ANY SUBSTITUTIONS ARE MADE. MATERIALS MUST BE COMPATIBLE WITH THE END-TO-END SOLUTION BEING PROPOSED	
PART 3 - EXECUTION	
3.1 PROTECTION OF PROPERTY	
A. EXTREME CARE SHALL BE TAKEN BY CONTRACTOR TO PROTECT ALL COMPONENTS OF THE PROPERTY FROM DAMAGE. CONTRACTOR SHALL REPLACE ANY DAMAGED CEILING TILES THAT ARE BROKEN DURING CABLE INSTALLATION. CONTRACTOR SHALL PROVIDE ALL PROTECTIVE DEVICES AND COVERINGS REQUIRED TO PROTECT AREAS ADJACENT TO THE WORK AREA. CONTRACTOR SHALL REPAIR DAMAGE TO AREAS ADJACENT TO THE WORK AREA AT NO COST TO THE OWNER. OR THE OWNER SHALL MAKE THE REPAIRS AND BACK CHARGE AGAINST THE TELECOM CONTRACTOR. CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGES TO THIRD PARTIES INCURRED AS A RESULT OF CONTRACTOR'S WORK IN THIS PROJECT. PROTECTION OF PROPERTY SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING PROTECTIVE MEASURES:	
1. KEEPING THE RMER OR RTR FREE OF FOOD AND DRINK AT ALL TIMES.	
2. LEAVING RMER OR RTR DOORS CLOSED AT ALL TIMES.	
3. EMPLOYING HEPA VACUUM WHENEVER DRILLING, CUTTING, CORING, OR PERFORMING ANY WORK THAT WILL IMPACT AIR QUALITY.	
B. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO SECURE, READ AND UNDERSTAND ALL RELEVANT JPMC STANDARDS, AND EXECUTE INSTALLATIONS IN ACCORDANCE WITH SAID STANDARDS.	
3.2 DOCUMENTATION	
A. UPON REQUEST BY JPMC, THE CONTRACTOR SHALL PROVIDE PROOF OF ANY CERTIFICATIONS, TRAINING, OR UNION AFFILIATIONS.	
END OF SECTION	

## SECTION 27 05 00 - QUALITY ASSURANCE FOR STRUCTURED CABLING

<div><div>JPMorgan Chase &amp; Co</div><div>GLOBAL TECHNOLOGY INFRASTRUCTURE</div><div>END USER SERVICES</div><div>WORKPLACE &amp; DATA CENTER SERVICES</div><div>STRUCTURED CABLING ENGINEERING</div><div>1111 POLARIS PARKWAY, COLUMBUS, OHIO 43240</div></div>			
<div>NEW RETAIL BRANCH PRYOR RD. AND LOWENSTEIN DR.</div>			
keyplan			
seal			
<div>TELECOMMUNICATIONS DISTRIBUTION DESIGNER <b>BicSI</b> KEVIN BESMAN Reg. No. 166050 Expires 12-31-23 RCDD</div>			
issue			
no	date	issue	by
	03.02.2022	ISSUED FOR PERMIT/BID	KB
site location			
JP MORGAN CHASE & CO 908 NW PRYOR RD LEE'S SUMMIT, MO 64081			
designed	KB	date	03.02.2022
checked	CC	scale	AS NOTED
drawn			
KB			
title			
TELECOM BOOK SPECS			
job no.			
C60025810702			
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TC-001			















SECTION 27 15 00 - STRUCTURED CABLING - HORIZONTAL CABLING

PART 1 - GENERAL

1.1 DESCRIPTION

A. CATEGORY 6 HORIZONTAL CABLE INFRASTRUCTURE SHALL BE INSTALLED FOR ALL STANDARD WALL OUTLETS AND ATM CABLE RUNS UNLESS NOTED OTHERWISE. THESE CABLES SHALL BE TERMINATED IN THE RMER OR RTR ON A 24-PORT OR 48-PORT PATCH PANEL WITH CATEGORY 6, RJ-45 JACKS, EMPLOYING T568B TERMINATIONS.

B. CATEGORY 6A HORIZONTAL CABLE INFRASTRUCTURE SHALL BE INSTALLED FOR ALL WIRELESS ACCESS POINT AND SECURITY CAMERA LOCATIONS. THESE CABLES SHALL BE TERMINATED IN THE RMER OR RTR ON A 24-PORT PATCH PANEL WITH CATEGORY 6A, RJ-45 JACKS, EMPLOYING T568B TERMINATIONS.

C. FOILED/UNSHIELDED TWISTED PAIR CATEGORY 6A HORIZONTAL CABLE INFRASTRUCTURE SHALL BE INSTALLED FOR ALL VIDEO MONITOR LOCATIONS WHERE IDENTIFIED TO SUPPORT HDBASE-T TECHNOLOGY. THESE CABLES SHALL BE TERMINATED IN THE RMER OR RTR ON A 24-PORT SHIELDED PATCH PANEL WITH CATEGORY 6A, SHIELDED, RJ-45 JACKS, EMPLOYING T568B TERMINATIONS.

D. TELEPRESENCE CONTROLLER LOCATIONS WILL BE EQUIPPED WITH POINT-TO-POINT F/UTP CATEGORY 6A HORIZONTAL CABLES AND AUDIO CABLES.

E. IN NO CASE SHALL CATEGORY 6 / 6A, AND F/UTP CATEGORY 6A CABLE RUNS EXCEED 90M (295 FT) IN LENGTH. IN THE EVENT THAT A CABLE RUNS EXCEEDS 90M (295FT) BUT NO MORE THAN 300M (984FT), THEN 50-MICRON, OM3-RATED MULTIMODE FIBER SHALL BE INSTALLED WITH FIBER-TO-COPPER MEDIA CONVERTERS ON BOTH ENDS OF THE CABLE RUN.

F. THIS SPECIFICATION CONTAINS ALL PRODUCTS CURRENTLY APPROVED BY JPMC. THE CONTRACTOR SHOULD NOT ASSUME THAT ALL OF THE MATERIALS LISTED IN THE SPECIFICATIONS MUST BE INSTALLED BECAUSE THEY ARE LISTED IN THE SPECIFICATION. PROJECT-SPECIFIC REQUIRED MATERIALS ARE FURTHER DEFINED IN THE PROJECT CONSTRUCTION DRAWINGS.

PART 2 - PRODUCTS

2.1 PLENUM REQUIREMENTS

A. LOCAL OR NATIONAL CODES MAY ALLOW NON-PLENUM (PVC) CABLE IN SOME LOCATIONS, IN WHICH CASE CONTRACTOR SHALL INFORM OPR THAT PLENUM RATED CABLE IS NOT REQUIRED. IF THE USE OF PVC CABLE IS APPROVED BY OPR, CONTRACTOR SHALL QUOTE AND INSTALL PVC CABLE. IF NO INFORMATION EXISTS REGARDING PLENUM/PVC CABLE REQUIREMENTS, CONTRACTOR SHALL QUOTE AND INSTALL PLENUM RATED CABLE.

2.2 PATCH CORDS - GENERAL

A. ONLY FACTORY TERMINATED PATCH CORDS MAY BE UTILIZED IN JPMC FACILITIES. UTP PATCH CORDS THAT ARE PRE-TERMINATED (E.G., CREATED BY PERSONNEL NOT DIRECTLY EMPLOYED BY THE MANUFACTURER) ARE NOT PERMISSIBLE, UNLESS PREVIOUSLY APPROVED IN WRITING BY OPR.

B. QUANTITIES, TYPES, AND LENGTHS OF PATCH CORDS ARE SPECIFIED BY OPR.

C. ALL PATCH CORDS FOR PRINTERS, MULTI-FUNCTION DEVICES (MPD), ETC. SHALL BE 7 FT. IN LENGTH.

D. RMER/RTR PATCH CORDS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, TO ENSURE APPROPRIATE LENGTHS AND TIMELY MATERIAL PROCUREMENT. PATCH CORDS SHALL HAVE NO MORE THAN 1' OF SLACK.

E. PATCH CORDS SHALL BE COLORED AS FOLLOWS:

1. CATEGORY 6: GRAY

2. CATEGORY 6A: WHITE

3. CATEGORY 6A F/UTP: WHITE

2.3 MATERIALS

A. SEE THE WORK AREA OUTLET SCHEDULE, CABLE SCHEDULE, AND RACK EQUIPMENT SCHEDULE ON THE CONSTRUCTION DRAWINGS FOR MANUFACTURERS AND PART NUMBERS FOR THE FOLLOWING EQUIPMENT:

1. CATEGORY 6 UTP MATERIALS

2. CATEGORY 6A UTP MATERIALS

3. CATEGORY 6A F/UTP MATERIALS

4. CATEGORY 6 OSP UTP MATERIALS

5. CATEGORY 6A OSP UTP MATERIALS

6. FACEPLATES

7. OUTSIDE PLANT HORIZONTAL MULTIMODE FIBER MATERIALS

2.4 COPPER AND FIBER OPTIC TESTING EQUIPMENT

A. THE FOLLOWING PRODUCTS SHOULD BE USED WHEN TESTING STRUCTURED CABLING INFRASTRUCTURE:

1. TEST EQUIPMENT WHICH IS CAPABLE OF ELECTRONICALLY STORING TEST RESULT DATA. THE TESTER SHALL EXCEED ANSI/TIA-1152 LEVEL 2G

2. CATEGORY 6 AND CATEGORY 6A PERMANENT AND CHANNEL ADAPTERS

3. SINGLE-MODE AND MULTI-MODE FIBER ADAPTERS

4. ENCIROLED FLUX REFERENCE CORDS

5. FIBER INSPECTION PROBE/ MICROSCOPE

6. APPROPRIATE CONNECTOR CLEANING TOOLS/ TAPES

7. 2M CATEGORY 6 PATCH LEADS IF CHANNEL TESTING CATEGORY 6 CABLING

8. 2M CATEGORY 6A PATCH LEADS IF CHANNEL TESTING CATEGORY 6A CABLING

PART 3 - EXECUTION

3.1 INSTALLATION

A. ALL RJ45 TERMINATIONS EMPLOY 568B TERMINATIONS.

B. ALL CABLES AND OUTLETS SHALL BE LABELED IN ACCORDANCE WITH SECTION 27 05 53.

C. COMPLETED HORIZONTAL CABLES SHALL BE TESTED IN ACCORDANCE WITH PART 3.2 - TESTING BELOW.

D. CONTRACTOR SHALL POPULATE THE PATCH PANEL WITH OUTLET TERMINATIONS TO SUPPORT INITIAL WORK AREA OUTLET REQUIREMENTS, AND LEAVING A GROWTH FACTOR OF 10% AS OPEN POSITIONS.

E. TO ENSURE OPTIMUM CABLE PERFORMANCE, BUNDLES OF 4-PAIR CABLES SHALL NOT BE TIGHTLY BUNDLED AND CAREFULLY ALIGNED FOR DESIRABLE AESTHETIC APPEARANCE.

F. CATEGORY 6/6A CABLES SHALL NOT BE KINKED OR UNDULY TWISTED, NOR SHALL THE INTEGRITY OF THE CABLE SHEATH BE COMPROMISED IN ANY FASHION. CABLE BUNDLES SHALL NOT BE CLINCHED OR TIED TOGETHER WITH EXCESSIVE FORCE, THEREBY HOLDING JACKET DEFORMATION TO A MINIMUM. INDIVIDUAL CABLE BEND RADII MAY BE NO LESS THAN FOUR TIMES THE CABLE DIAMETER OR 0.6 INCHES, WHICHEVER IS GREATER.

G. DURING TERMINATION, PAIR TWISTS SHALL BE MAINTAINED AS CLOSE AS POSSIBLE TO THE TERMINATION POINT. IN ANY CASE, THE AMOUNT OF UNTWISTING MUST NOT EXCEED .5 INCHES AT THE POINT OF TERMINATION.

H. CABLES SHALL BE DRESSED-IN, VELCRO® OR MILLEPEDE® MILLE-TIES RELEASABLE CABLE TIED, AND SECURED TO THE LADDER RACK, PLYWOOD BACKBOARD, AND/OR OTHER SUITABLE SURFACES TO ENSURE A PROFESSIONAL APPEARANCE AND RUN STRAIGHT, LEVEL, AND PARALLEL TO BUILDING LINES, WITH 90° CORNERS WHERE POSSIBLE. CONTRACTOR SHALL COMPLY WITH MANUFACTURER'S STANDARD PULLING TENSION AND MINIMUM BEND RADII AT ALL TIMES.

I. IN THE RMER/RTR, CABLES ASSOCIATED WITH A GIVEN WORK AREA SHALL BE TERMINATED INTO CONTIGUOUS POSITIONS IN THE PATCH PANEL. FOR EXAMPLE, IF EACH WORK AREA IS EQUIPPED WITH TWO CATEGORY 6 CABLES, THE FIRST WORK AREA SHALL BE TERMINATED ON POSITIONS 1 AND 2 OF THE PATCH PANEL, THE SECOND WORK AREA SHALL BE TERMINATED ON POSITIONS 3 AND 4 OF THE PATCH PANEL, AND SO FORTH.

J. IN THE RMER/RTR, A FLOOR PLAN MAP ILLUSTRATING THE TELECOM OUTLETS, WAPS AND IP CAMERA LOCATIONS AND NUMBERS SHALL BE MADE READILY AVAILABLE AND VIEWABLE.

K. WHEREVER PRACTICAL, JACKS THAT ARE INSTALLED AT MODULAR FURNITURE LOCATIONS SHALL BE FULLY INTEGRATED INTO FURNITURE RACEWAY LOCATIONS THAT ARE DESIGNED FOR THE PURPOSE, AVOIDING THE USE OF BISCUIT JACKS. WHERE THE FURNITURE SYSTEM DOES NOT CONTAIN AN INTEGRAL RACEWAY, AND NO APPARENT CABLE MANAGEMENT METHOD IS PROVIDED, CABLING SHALL BE NEATLY DRESSED AND CONCEALED UPON REVIEW AND APPROVAL BY THE OPR. VELCRO, DOUBLE SIDED TAPE OR OTHER ADHESIVE MATERIALS WILL ONLY BE ACCEPTED IF PREVIOUSLY APPROVED IN WRITING BY THE OPR.

L. CABLING TO WALL MOUNTED WORKSTATION OUTLETS SHALL TERMINATE IN A SINGLE- OR DOUBLE-GANG BOX PROVIDED BY OTHERS. CONTRACTOR SHALL PROVIDE THE NECESSARY CONNECTORS (AS DESCRIBED ELSEWHERE) UNDER A SINGLE-GANG FACEPLATE. THE

TYPE OF FACEPLATE TO BE USED SHALL BE COORDINATED WITH THE ARCHITECT FOR COLOR, FINISH, ETC.

M. CABLING TO FLOOR MOUNTED WORKSTATION OUTLETS SHALL BE TERMINATED IN A FLUSH OR SURFACE MOUNTED POKE-THRU OR SERVICE FITTING PROVIDED BY OTHERS. ALL CABLING AND CONNECTORS SHALL REMAIN WITHIN THE POKE-THRU OR SERVICE FITTING HOUSING. IF NECESSARY, THE CONTRACTOR SHALL MODIFY THE BLANK PLATES PROVIDED WITH THE POKE-THRU OR SERVICE FITTING IN ORDER TO ACCOMMODATE THE CONNECTORS.

N. FOR HORIZONTAL FTP CABLING, GROUNDING OF THE SHIELD SHOULD BE MADE ON THE RMER END ONLY.

O. FOR ALL HORIZONTAL CABLE RUNS THAT RUN EXTERIOR TO THE MAIN BUILDING, INSTALL OSP-RATED UTP OR FIBER CABLE. CONDUIT SHALL BE PROVIDED FROM THE OUTLET TO THE RMER/RTR. OSP CABLING SHALL NOT BE INSTALLED IN A PLENUM-RATE CEILING SPACE.

P. FOR EACH UTP OSP CABLE THAT TERMINATES OUTSIDE THE ROOF LINE OF THE BUILDING, FURNISH AND INSTALL ONE OSP PROTECTOR, MOUNTED TO THE PLYWOOD BACKBOARD IN THE EQUIPMENT ROOM, AND BONDED TO THE GROUNDING BUSBAR VIA A MINIMUM 14 AWG GREEN JACKETED GROUND WIRE. TERMINATE THE UTP OSP CABLE AT THE PROTECTOR PER MANUFACTURER SPECIFICATIONS. WHERE THE OSP CABLE IS TERMINATED IN AN RJ45 JACK AT AN ATM, PROTECTION IS FURNISHED BY OTHERS, AND A 6 FT SERVICE LOOP SHALL BE PROVIDED SO THAT THE SURFACE MOUNTED RJ45 SINGLE-OUTLET JACK CAN BE DRESSED INTO THE INTERIOR OF THE ATM BY OTHERS.

Q. ALL OUTLET JACKS, CABLE, PATCH PANEL, PATCH CORDS MUST MATCH THE CATEGORY OR FIBER GRADE OF CABLE BEING DEPLOYED.

3.2 TESTING

A. DESCRIPTION

1. PRIOR TO THE TESTING COMMENCING, THE CONTRACTOR IS TO PROVIDE A COMPREHENSIVE TESTING METHODOLOGY DOCUMENT FOR APPROVAL, PRIOR TO ANY TESTING COMMENCING. THIS DOCUMENT SHALL INCLUDE THE FOLLOWING INFORMATION:

2. BRIEF OVERVIEW OF THE PROJECT (LOCATION, SCOPE ETC.)

3. OVERVIEW OF THE TESTING PROCEDURE INCLUDING SUPPORTING DOCUMENTATION, ONSITE EQUIPMENT CALIBRATION/ REFERENCING AND CLEANING PROCEDURE.

4. DETAILS OF THE EQUIPMENT TO BE USED.

5. CALIBRATION REQUIREMENTS AND CERTIFICATION FOR THE EQUIPMENT TO BE USED

6. TEST RESULT BACKUP PROCEDURE

7. DETAILS OF PROCEDURE FOR REMEDIATING ANY TEST RESULTS WHICH DO NOT PASS THE REQUIRED TESTS

8. A PROGRAM OF WORKS FOR THE TESTING, SHOULD THIS NOT BE CLEAR IN THE OVERALL INSTALLATION PROGRAM

B. ALL ELECTRONIC AND OPTICAL MEASURING (TEST) EQUIPMENT SHALL BE WITHIN 12 MONTHS OF A CALIBRATION THAT HAS BEEN CARRIED OUT BY AN APPROVED CALIBRATION HOUSE. ALL CALIBRATION CERTIFICATES SHALL BE AVAILABLE ON SITE DURING THE TESTING PHASE. ALL TEST RESULTS SHALL IDENTIFY THE EQUIPMENT SERIAL NUMBER (LOCAL AND REMOTE) OF TEST EQUIPMENT USED

C. THE "STORE PLOT DATA" FUNCTION OF THE TESTER MUST BE ENABLED PRIOR TO ANY TESTING COMMENCING. THIS IS TO ENABLE ELECTRONIC RE-TESTING AT A LATER DATE SHOULD THIS BE REQUIRED. TEST RESULTS ISSUED WITHOUT THE PLOT DATA ENABLED WILL BE CONSIDERED NON-COMPLIANT AND RE-TESTING WILL BE REQUIRED AT THE CONTRACTORS COST.

D. ALL MARGINAL (OR STAR \*) PASSES SHALL BE CONSIDERED FAILS AND WILL REQUIRE REMEDIATION UNTIL A PASS IS ACHIEVED.

E. ONCE ALL PRODUCTS (I.E. CABLES AND ASSOCIATED HARDWARE) HAVE BEEN FULLY INSTALLED IN THEIR FINAL LOCATIONS AND LABELLED, TESTING OF ALL CORES/ CABLES MAY COMMENCE.

F. ALL CABLES/ CORES SHALL BE 100% TESTED IN ACCORDANCE WITH THE SECTIONS BELOW.

G. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMEDIATE ALL FAULTS FOUND WHILST TESTING AT ITS OWN EXPENSE. ALL TEST EQUIPMENT SHALL BE BY THE CONTRACTOR.

H. JPMC MAY CHOOSE TO WITNESS TEST RANDOM ELEMENTS OF THE INSTALLATION, WHICH SHOULD HAVE ALREADY BEEN ALLOWED FOR IN THE COSTS. THE CONTRACTOR SHALL PROVIDE 2 TESTING ENGINEERS AND ALL EQUIPMENT REQUIRED TO UNDERTAKE THE WITNESS TESTING (INCLUDING FULLY CHARGED TEST EQUIPMENT). CHANNEL TESTING (INCLUDING EXISTING PREVIOUSLY INSTALLED INFRASTRUCTURE MAY ALSO BE REQUIRED AS PART OF THE WITNESS TESTING, TO ENSURE THAT THE FULL CHANNEL IS COMPLIANT.

I. THE PROJECT SHALL NOT BE CONSIDERED COMPLETE UNTIL ALL SCS INFRASTRUCTURE HAS BEEN 100% TESTED AND TEST RESULT ISSUED TO JPMC IN BOTH TESTER AND PDF FORMAT. TEST RESULTS ARE TO BE BROKEN DOWN INTO 10MB FILE SIZES AND EMAILED (FTP SITES, CDS OR FLASH DRIVES ARE NOT PERMITTED).

3.3 FIBER TESTING

A. TESTS SHALL BE CARRIED OUT AT 850NM AND 1300NM FOR MULTI-MODE TESTING AND 1310NM AND 1550NM FOR SINGLE-MODE TESTING IN ONE DIRECTION.

B. THE FIBER MANUFACTURER'S WARRANTY CONDITIONS SHALL BE USED TO PERFORM ALL FIBER TESTING. THESE STANDARDS ARE MORE STRINGENT THAN INTERNATIONAL AND NATIONAL STANDARDS. THE CONTRACTOR IS REQUIRED TO PERFORM CUSTOM TESTS USING THE TESTER AND IS THEREFORE TO ADJUST THE CONTACTOR LOSS VALUES IN THE TESTER SOFTWARE ACCORDINGLY.

C. SHOULD INSTALLED FIBERS BE REQUIRED TO BE CONNECTED DIRECTLY INTO A SWITCH IN A HARNESS LINK TOPOLOGY, ALL FIBERS WILL BE PATCHED PRIOR TO TESTING COMMENCING, THEN INDIVIDUALLY UN-PATCHED, TESTED, AND FINALLY RE-PATCHED. THIS IS TO MITIGATE POLARITY CONCERNS.

D. WHEN REFERENCING FIBER OPTIC TESTERS THE 1 JUMPER (METHOD B) METHODOLOGY SHALL BE EMPLOYED.

E. FIBER TESTERS SHALL BE COMPLIANT WITH ENICIRCLE FLUX LAUNCH SOURCES/ CONDITIONS. ENICRCELED FLUX TESTING PATCH LEADS SHALL BE USED AND SHOULD NOT BE MATED BEYOND THE MAXIMUM OF 500 TIMES.

F. DELIVERED CABLE TESTS ARE NOT REQUIRED, HOWEVER A CERTIFICATE OF CONFORMANCE SHALL BE SUPPLIED WITH EACH TRUNK CABLE AND COPIES MADE AVAILABLE ON SITE AND PROVIDED IN THE FINAL HANDOVER DOCUMENTATION.

G. INDIVIDUAL CABLE RUNS SHALL BE TRACEABLE TO THE DELIVERED TRUNK CERTIFICATION.

3.4 CATEGORY 6 AND CATEGORY 6A TESTING

A. PERMENANT LINK AND CHANNEL TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING STANDRADRS PER REGION:

1. ISO/IEC 11801

2. ANSI/TIA 568

B. PERMANENT LINK TESTING SHOULD BE PERFORMED BETWEEN A PATCH PANEL AND AN RJ45 OUTLET.

C. CHANNEL TESTING SHOULD BE PERFORMED BETWEEN A PATCH PANEL AND A FACTORY TERMINATED RJ45 PLUG (WHEN A HARNESS LINK OR CONSOLIDATION POINT HAS BEEN DEPLOYED). CHANNEL TESTING BETWEEN TWO RJ45 OUTLETS IS NOT TYPICALLY REQUIRED.

D. SYSTEM ACCEPTANCE TESTS FOR CATEGORY 6 ARE DETAILED BELOW:

CATEGORY 6

1. WIRE MAP

2. LENGTH

3. PROPAGATION DELAY

4. DELAY SKEW

5. DC LOOP RESISTANCE - RECORDED FOR INFORMATION ONLY

6. DC RESISTANCE UNBALANCE - RECORDED FOR INFORMATION ONLY

7. INSERTION LOSS

8. NEXT (NEAR-END CROSSTALK)

9. PS NEXT (POWER SUM NEAR-END CROSSTALK)

10. ACR-N (ATTENUATION TO CROSSTALK RATIO NEAR-END) - RECORDED FOR INFORMATION ONLY

11. PS ACR-N (POWER SUM ATTENUATION TO CROSSTALK RATIO NEAR-END) - RECORDED FOR INFORMATION ONLY

12. ACR-F (ATTENUATION TO CROSSTALK RATIO FAR-END)

13. PS ACR-F (POWER SUM ATTENUATION TO CROSSTALK RATIO FAR-END)

14. RETURN LOSS

15. TCL (TRANSVERSE CONVERSION LOSS) - RECORDED FOR INFORMATION ONLY

16. ELTCTL (EQUAL LEVEL TRANSVERSE CONVERSION TRANSFER LOSS) - RECORDED FOR INFORMATION ONLY

CATEGORY 6A & CATEGORY 6A (CATAGORY6A SHIELDED/FOILED CABLES FOR AUDIO-VIDEO CABLES ONLY)

1. WIRE MAP

2. LENGTH

3. PROPAGATION DELAY

4. DELAY SKEW

5. DC LOOP RESISTANCE

6. DC RESISTANCE UNBALANCE WITHIN A PAIR

7. DC RESISTANCE UNBALANCE BETWEEN PAIRS

8. INSERTION LOSS

9. NEXT (NEAR-END CROSSTALK)

10. PS NEXT (POWER SUM NEAR-END CROSSTALK)

11. ACR-N (ATTENUATION TO CROSSTALK RATIO NEAR-END)

12. PS ACR-N (POWER SUM ATTENUATION TO CROSSTALK RATIO NEAR-END)

13. ACR-F (ATTENUATION TO CROSSTALK RATIO FAR-END)

14. PS ACR-F (POWER SUM ATTENUATION TO CROSSTALK RATIO FAR-END)

15. RETURN LOSS

16. TCL (TRANSVERSE CONVERSION LOSS)

17. ELTCTL (EQUAL LEVEL TRANSVERSE CONVERSION TRANSFER LOSS)

18. PS ANEXT (POWER SUM ALIEN NEAR-END CROSSTALK)

19. AVERAGE PS ANEXT (AVERAGE POWER SUM ALIEN NEAR-END CROSSTALK)

20. PS AACR-F (POWER SUM ALIEN ATTENUATION TO CROSSTALK RATIO FAR-END)

21. AVERAGE PS AACR-F (AVERAGE POWER SUM ALIEN ATTENUATION TO CROSSTALK RATIO FAR-END)

22. SHIELD/FOIL CONTINUITY (FOR CATAGORY6A SHIELDED/FOILED CABLES ONLY)

E. ALL MARGINAL (OR STAR \*) PASSES SHALL BE CONSIDERED FAILS AND WILL REQUIRE REMEDIATION UNTIL A PASS IS ACHIEVED

3.3 DOCUMENTATION

A. ALL TEST RESULTS ARE TO BE ISSUED IN PDF FORMAT A MAXIMUM OF TWO DAYS AFTER FINAL COMPLETION OF THE TESTING. THE PROJECT WILL NOT BE CONSIDERED COMPLETE AND INVOICES WILL NOT BE PAID UNTIL THIS IS ACHIEVED.

B. PDF FILE SIZES ARE TO BE NO GREATER THAN 10MB AS EMAIL IS THE ONLY OPTION OF ISSUING THEM. PAPER COPIES ARE NOT REQUIRED.

C. THE TEST RESULTS IN THE PDF DOCUMENT ARE TO BE SEQUENCED IN NUMERICAL ORDER, AND THE PORT DESCRIPTION SHOULD MATCH THE LABELLING NOMENCLATURE. IT IS IMPERATIVE THAT THE TEST RESULTS DETAIL THE LOCAL LENGTH MEASUREMENT UNITS.

D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL PORTS HAVE BEEN 100% TESTED PRIOR TO SUBMITTING THE TEST RESULTS.

E. THE CONTRACTOR SHALL PROVIDE AN ELECTRONIC COPY OF THE TEST RESULTS AND THE FINAL AS-BUILT DRAWINGS SHOWING ALL HORIZONTAL CABLE LABELS AT EACH OUTLET LOCATION. THE FINAL AS-BUILT CABLE LABEL SHALL BE IDENTICAL TO THE CABLE IDENTIFIER IN THE TEST RESULTS.

F. THE CONTRACTOR SHALL PROVIDE THE FINAL MANUFACTURER PERFORMANCE AND ASSURANCE WARRANTY, TEST RESULTS AND FINAL AS-BUILT DRAWINGS AS A COMPLETE CLOSE OUT SUBMITTAL. THE PROJECT WILL NOT BE CONSIDERED COMPLETE AND INVOICES WILL NOT BE PAID UNTIL THIS IS ACHIEVED.

END OF SECTION

RELEASED FOR CONSTRUCTION  
As Noted Cons. Plans, Revision: 07/21/2022

JP Morgan Chase & Co  
1300 N. Grand  
Lee's Summit, MO 64081

GLOBAL TECHNOLOGY INFRASTRUCTURE  
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1111 POLARIS PARKWAY, COLUMBUS, OHIO 43240

NEW RETAIL  
BRANCH  
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RELEASED COMMUNICATIONS DISTRIBUTION DESIGNER  
Kevin Brennan  
Reg. No. 166050  
Expires 12-31-23  
RCDD

issue

no

date

issue

by

03.02.2022

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KB

site location

JP MORGAN CHASE & CO  
908 NW PRYOR RD  
LEE'S SUMMIT, MO 64081

designed

KB

date

03.02.2022

drawn

KB

checked

CC

scale

AS NOTED

title

TELECOM BOOK SPECS

job no.

C60025810702

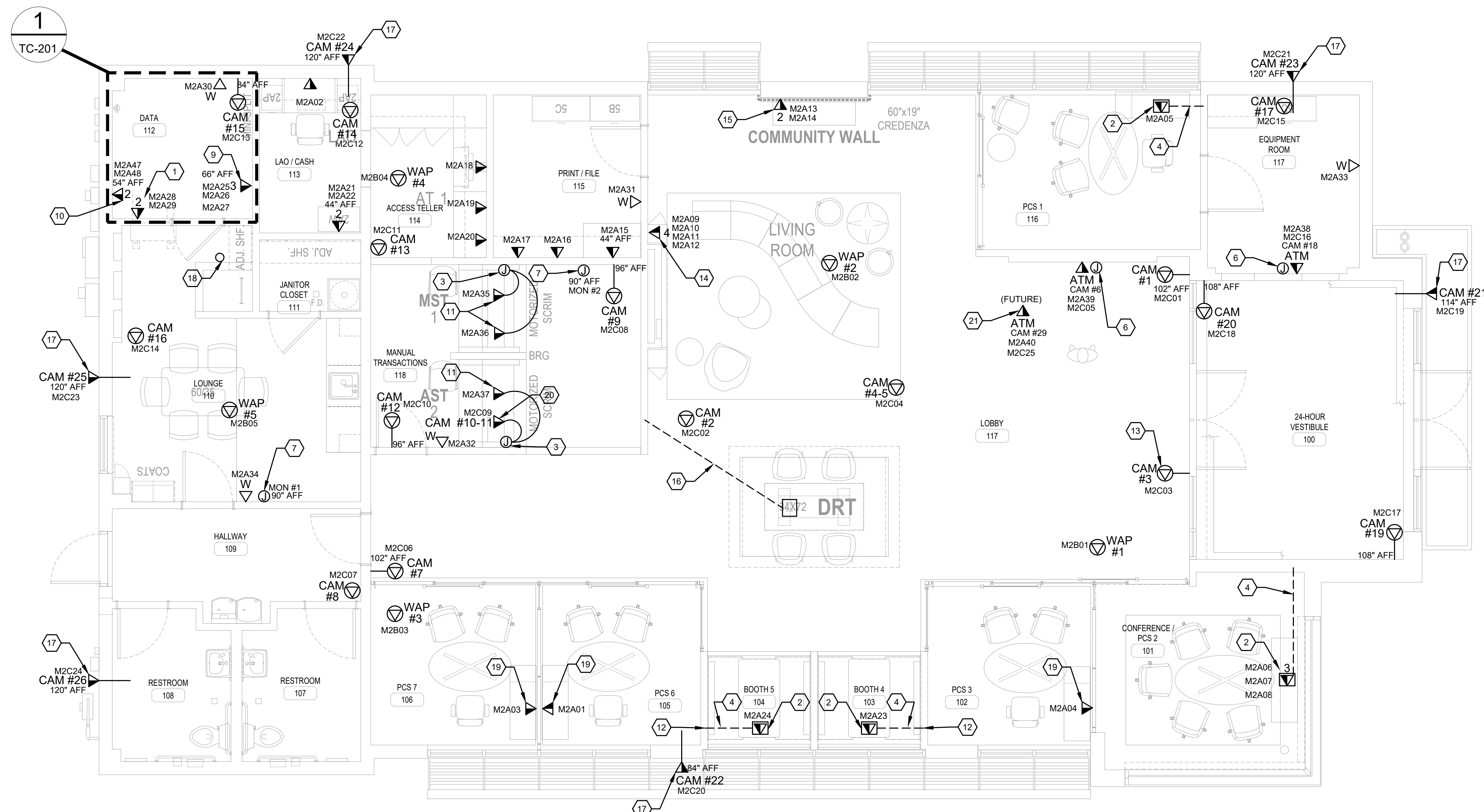
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TC-005

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SECTION 27 15 00  
STRUCTURED CABLING - HORIZONTAL CABLING





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

## TELECOMMUNICATIONS PLAN NOTES

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 1" CONDUIT TO ABOVE ACCESSIBLE CEILING FOR CABLEING TO THE OUTLETS BENEATH THE TELLER COUNTER. CONCEAL CABLEING FROM JUNCTION BOX TO OUTLET WITH 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. REFER TO OUTLET ROUGH-IN REQUIREMENTS ON SHEET TC-011.
5. PROVIDE 1" CONDUIT TO DUAL SERVICE POWER AND LOW VOLTAGE RECESSED BOX FOR TELEPRESENCE CONTROL CABLEING. REFER TO FACEPLATE DETAIL AND TERMINATION DETAILS ON SHEET TC-302. REFER TO OUTLET ROUGH-IN REQUIREMENTS ON SHEET TC-401. REFER TO TC-501 AV ELEVATIONS FOR ADDITIONAL DETAIL.
6. PROVIDE A SINGLE GANG BACKBOX WITH A 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. THIS ROUGH-IN WILL BE FOR CABLEING PROVIDED BY THE SECURITY VENDOR.
7. PROVIDE A 5" SQUARE BACKBOX WITH SINGLE GANG REDUCER FOR SECURITY MONITOR CABLEING. PROVIDE 1-1/4" CONDUIT FROM BOX STUBBED OUT TO ABOVE ACCESSIBLE CEILING. PROVIDE PULLSTRING IN CONDUIT. PROVIDE SINGLE GANG BRUSHED PASS-THROUGH FACEPLATE (LEVITON #41075-DBW WITH DECORA STYLE WALLPLATE).
8. NOTE NOT USED.
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. PROVIDE 2-PORT SURFACE MOUNTED DATA OUTLET FOR EXTENSION OF COPPER CARRIER CABLEING TO RACK. TERMINATE CABLEING ON PATCH PANEL. LOCATIONS SHOWN. PROVIDE PURPLE COLORED CAT6 JACKS IN FACEPLATE AND MODULAR PATCH PANEL. REFER TO THE CARRIER EXTENSION SURFACE MOUNTED OUTLET CONFIGURATION ON SHEET TC-302 FOR ADDITIONAL INFORMATION.
11. DATA OUTLET MOUNTED IN CASEWORK. COORDINATE MOUNTING LOCATIONS WITH ARCHITECT/PMPC PROJECT MANAGER.
12. DECORATIVE CEILING AREA. EXTEND CONDUIT TO NEAREST ACCESSIBLE CEILING. REFER TO THE OUTLET ROUGH-IN REQUIREMENTS ON SHEET TC-401.
13. MULLION MOUNTED MINI CAMERA. PROVIDE CONDUIT IN FLOOR FRAME EXTENDING TO NEAREST ACCESSIBLE CEILING. COORDINATE FINAL MOUNTING WITH PROJECT MANAGER.
14. AV SOLUTION #3. REFER TO SHEET TC-501 FOR ADDITIONAL INFORMATION.
15. AV SOLUTION #7. REFER TO SHEET TC-502 FOR ADDITIONAL INFORMATION.
16. PROVIDE 1" CONDUIT WITH PULLSTRING TO DUAL SERVICE FLOOR BOX FOR FUTURE TELECOMMUNICATION CABLEING. ROUTE CONDUIT UNDERSLAB TO NEAREST WALL AND STUB UP WALL TO ACCESSIBLE CEILING SPACE.
17. PENUMA-RATED ABOVE CEILING CONNECTOR ASSEMBLY MOUNTED ABOVE ACCESSIBLE CEILING FOR EXTERIOR SECURITY CAMERA. REFER TO DETAIL ON SHEET TC-401 FOR ADDITIONAL INFORMATION. PROVIDE A DOUBLE GANG BOX WITH 1" FLEX CONDUIT CONNECTION TO ABOVE ACCESSIBLE CEILING. THE CABLEING VENDOR SHALL ROUTE THE RJ-45 PIGTAIL FROM THE INTERIOR ACCESSIBLE CEILING TO THE EXTERIOR BACK BOX FOR THE SECURITY INTEGRATOR.
18. RECOMMENDED LOCATION OF THE CELLULAR ANTENNA ROOF PENETRATION. COORDINATE WITHIN 36" OF THE ACCESS LADDER. CONDUIT PATHWAY SHALL EXTEND FROM THE ROOF PENETRATION TO THE RMER DATA CLOSET. SEE DETAILS ON TC-201 AND TC-402 FOR ADDITIONAL INFORMATION.
19. OUTLET MOUNTED IN PRE-MANUFACTURED FURNITURE WALL (AKA FIRE 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-302.
20. PROVIDE SINGLE PORT CAT6A DATA OUTLET AND FACEPLATE BENEATH COUNTER FOR CAMERA MODULE. PROVIDE 3-0" CAT6A PATCH CORD FOR SECURITY USE. DATA JACK SHALL BE GREEN. REFER TO TC-300 SERIES FOR FURTHER INFORMATION.
21. PROVIDE CABLEING FOR ATM AND CORRESPONDING ATM TRANSACTION CAMERA FOR FUTURE USE. PROVIDE SERVICE LOOP CONSISTING OF 20' SPARE CABLEING ABOVE CEILING NEAR TOP OF THE WALL, FOR EXTENDING DOWN WALL FOR FUTURE TERMINATION AND TESTING. PERMANENTLY LABEL CABLEING "FOR FUTURE ATM INSTALL".

**JPMORGAN CHASE & CO.** Technology Services Department  
Leanne M. Masquari  
VP  
00122

GLOBAL TECHNOLOGY INFRASTRUCTURE  
END USER SERVICES  
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**NEW RETAIL  
BRANCH  
PRYOR RD. AND  
LOWENSTEIN DR.**

keyplan

sea



issue

[illegible]

site location **JP MORGAN CHASE & CO**  
**908 NW PRYOR RD**  
**LEE'S SUMMIT, MO 64081**

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title

**TELECOM  
FIRST FLOOR  
PLAN**

job no. C60025810702

shee

# TC-101



**NEW RETAIL  
BRANCH  
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**LEE'S SUMMIT, MO 64081**

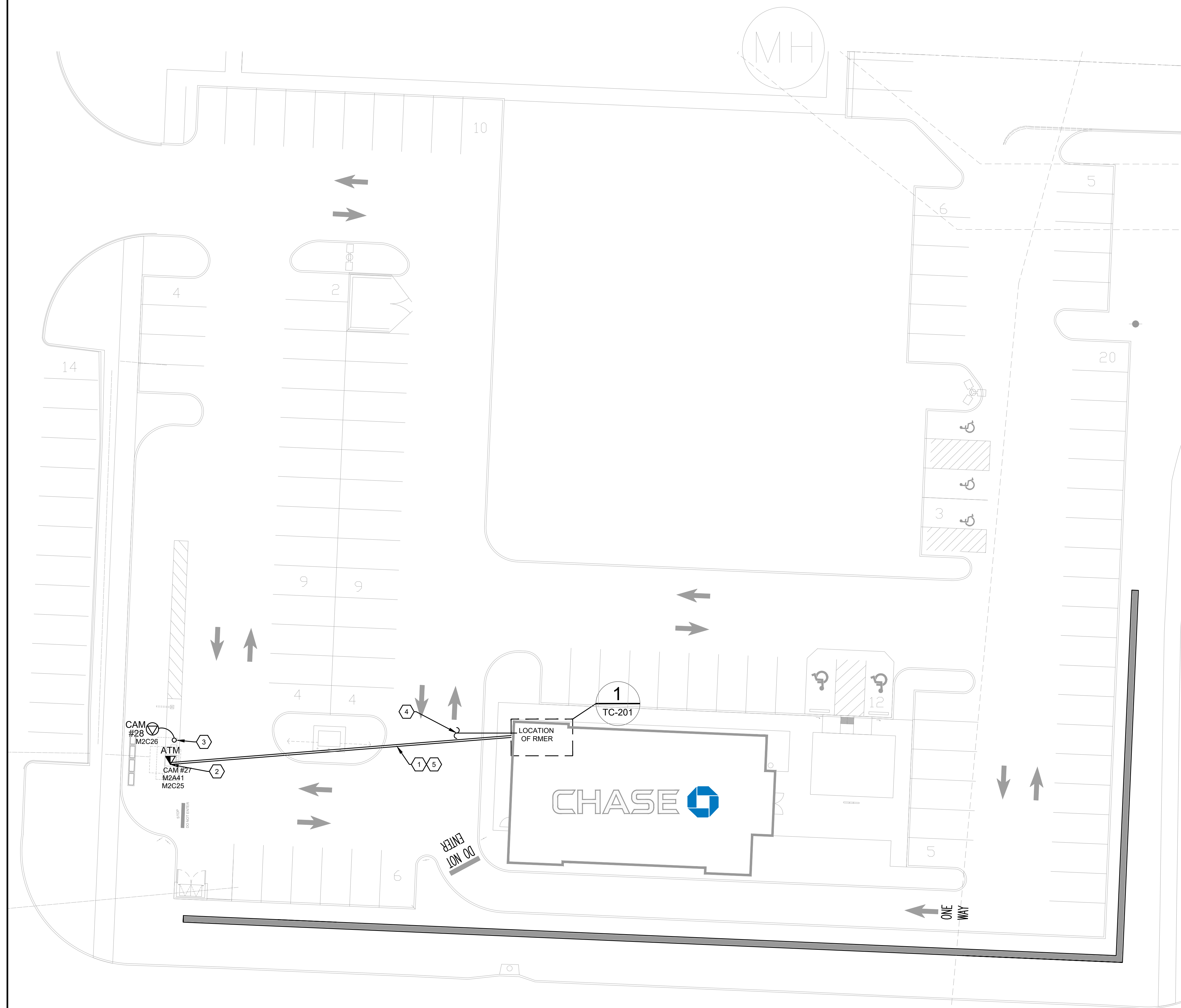
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title	TELECOM SITE PLAN
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job no. C60025810702

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# TC-102



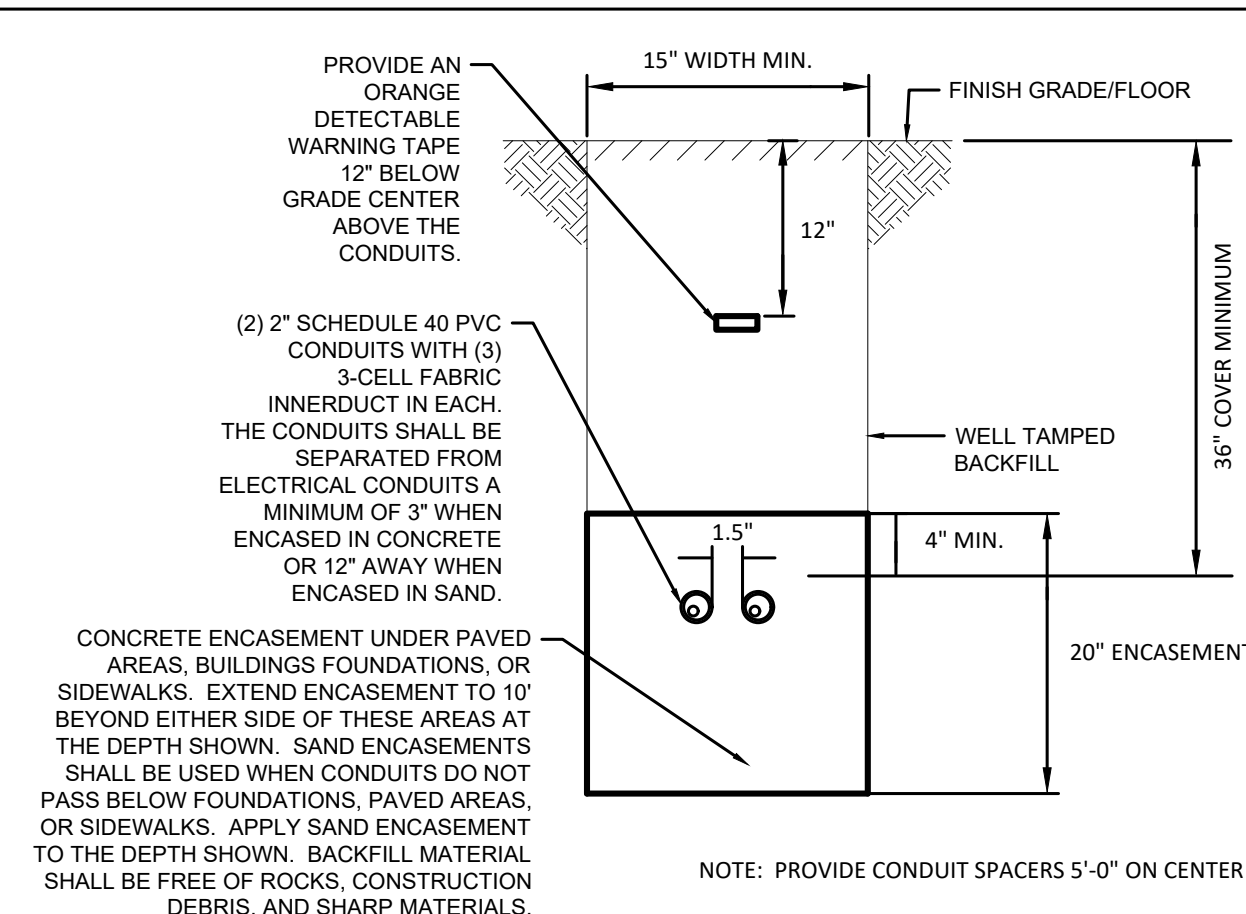
## TELECOM SITE PLAN

SCALE: 1/16" = 1'-0"

- |   |          |
|---|----------|
| <b>TELECOMMUNICATIONS PLAN NOTES</b>  | <b>#</b> |
| <br>  |          |
| 1. PROVIDE ONE (1) 2" CONDUIT TO EXTERIOR ATM LOCATION FROM RMER. PROVIDE 2' 3-CELL MAXCELL INNERDUCT AND SWEEPING 90-DEGREE BENDS.   |          |
| <br>  |          |
| 2. PROVIDE ATM OUTLET AT THIS LOCATION UTILIZING WET LISTED CABLING. REFER TO DETAIL ON SHEET TC-302 FOR ADDITIONAL FACEPLATE CONFIGURATION INFORMATION.  |          |
| <br>  |          |
| 3. PROVIDE 1" VERTICAL CONDUIT FROM ATM OUTLET LOCATION TO CEILING SOFFIT FOR TELECOM CABLING. PROVIDE CAT6A CEILING CONDUIT ASSEMBLY WITH 18" LONG PIGTAIL WITHIN CANOPY JUNCTION BOX. REFER TO ATM CANOPY MOUNTED IP-CCTV CAMERA INSTALLATION DETAIL ON SHEET TC-401.   |          |
| <br>  |          |
| 4. PROVIDE TWO (2) 2" CONDUIT TO EXTERIOR SERVICE PROVIDER POLE/HANDHOLE LOCATION FROM RMER. PROVIDE 2' 3-CELL MAXCELL INNERDUCT AND SWEEPING 90-DEGREE BENDS. COORDINATE FINAL PLACEMENT WITH SERVICE PROVIDER AND PROJECT MANAGER. PROVIDE IN-GRADE FLUSH MOUNTED HANDHOLE SIZED PER BICSI TDDM STANDARDS FOR ALL RUNS THAT EXCEED TWO (2) 90-DEGREE BENDS. |          |
| <br>  |          |
| 5. PROVIDE ONE (1) 2" CONDUIT AND PULLSTRUTTING WITH SWEEPING 90-DEGREE BENDS TO EXTERIOR ATM LOCATION FROM SECURITY WALLBOARD LOCATION IN RMER.  |          |

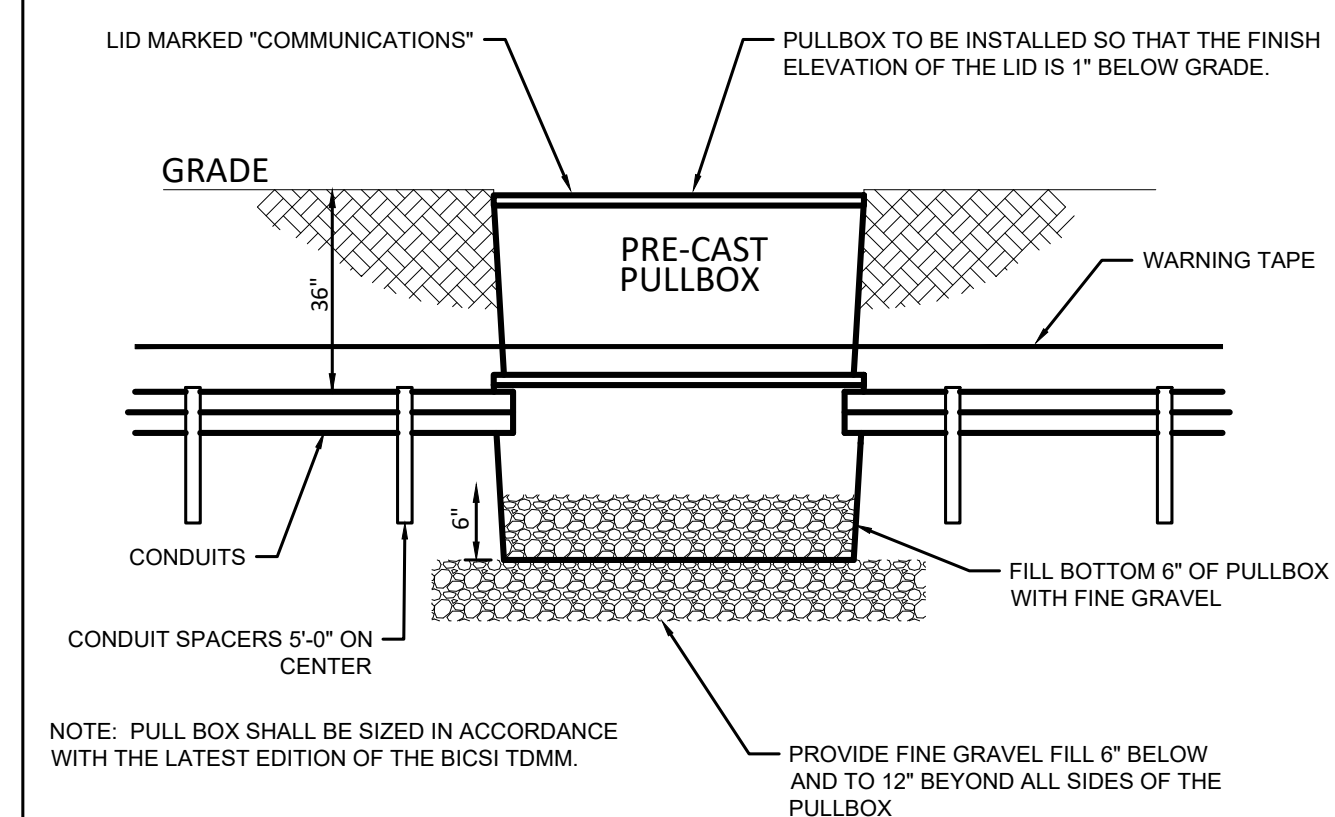
UNDERGROUND CONDUIT GENERAL NOTE

- A. PROVIDE HANDHOLES SIZED PER THE BICSI TDMM FOR ALL CONDUIT RUNS THAT EXCEED TWO 90 DEGREE BENDS. PROVIDE HANDHOLE IN THE STRAIGHT RUN SECTION OF CONDUIT. REFER TO DETAILS ON TC-402 FOR FURTHER INFORMATION.



TELECOMMUNICATIONS  
SERVICE ENTRANCE DUCT BANK DETAIL

2 SCALE:NON



TELECOMMUNICATIONS  
SERVICE IN-GRADE PULL BOX DETAIL

3 SCALE:NON







JPMORGAN CHASE & CO. Development Services Dep  
Lee's Summit, Misso

GLOBAL TECHNOLOGY INFRASTRUCTURE

## END USER SERVICES

WORKPLACE &amp; DATA CENTER SERVICES

## STRUCTURED CABLING ENGINEERING

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## NEW RETAIL

## BRANCH

**PRYOR RD. AND**

**LOWENSTEIN DR.**

keyplan

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908 NW PRYOR RD  
LEE'S SUMMIT, MO 64081

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# TELECOM SINGLE LINE DIAGRAM

job no.

C60025810702

shee

# TC-301

### REMOTE/USER END PATCH CORD REQUIREMENTS

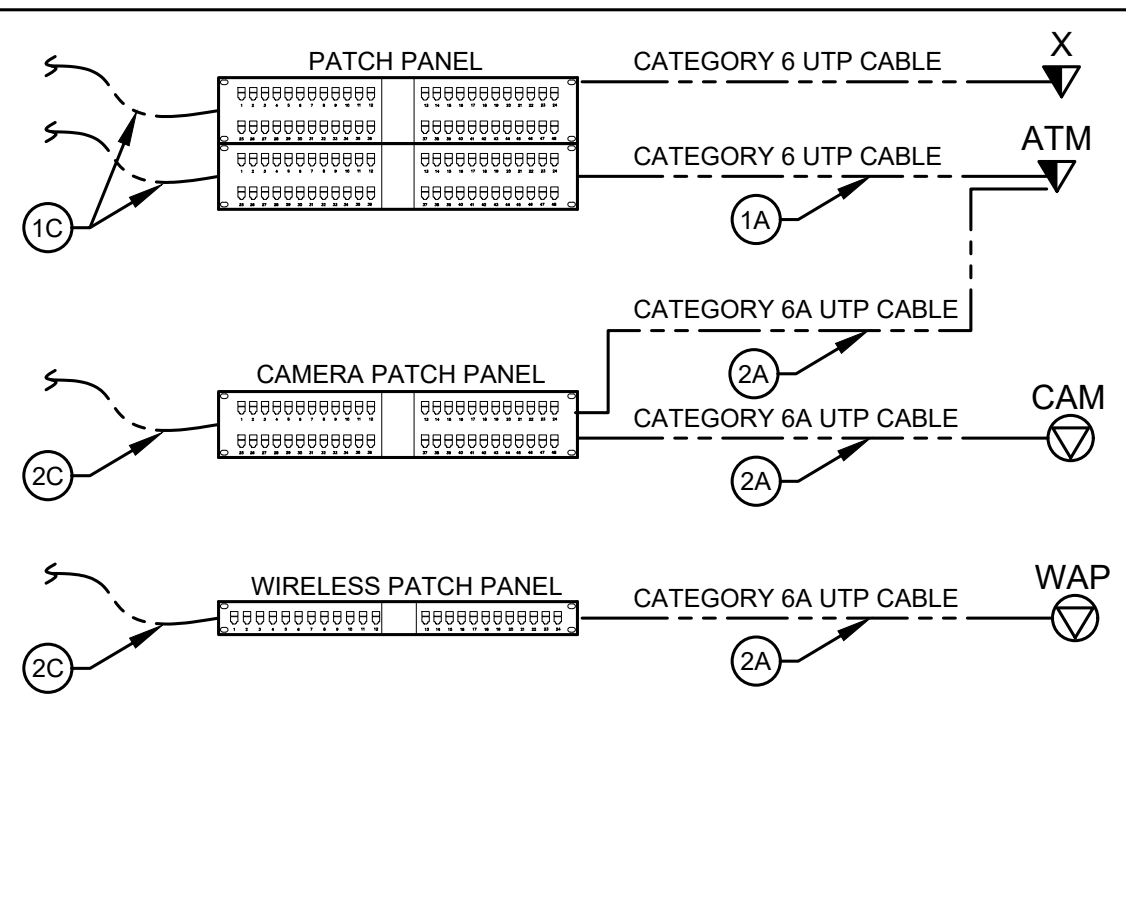
OUTLET TYPE	CABLE CATEGORY	LENGTH	QTY PER OUTLET
WORK AREA OUTLET / CUBICLE / OFFICE (OUTLET TO PHONE)	CAT 6	7 FOOT	1
WORK AREA OUTLET / CUBICLE / OFFICE (PHONE TO COMPUTER)	CAT 6	5 FOOT	1
PRINTER	CAT 6	7 FOOT	1
ATM OUTLETS	CAT 6	15 FOOT	1
WALL PHONE OUTLET	CAT 6	6 INCH	1
VIDEO MONITOR OUTLETS	CAT 6A SHIELDED	5 FOOT	1
TELEPRESENCE CONTROL OUTLETS	CAT 6A SHIELDED	5 FOOT	2
IP-CCTV CAMERA INTEGRAL TO ATM	CAT 6A	15 FOOT	1

## RMER / RTR END PATCH CORD REQUIREMENTS

PATCH PANEL TYPE	CABLE TYPE	LENGTH	QTY PER PORT
CAT6 UTP PATCH PANEL SHORTER PULL	CAT 6	7 FOOT	1
CAT6 UTP PATCH PANEL LONGER PULL	CAT 6	10 FOOT	1
CAT6A UTP PATCH PANEL SHORTER PULL	CAT 6A	7 FOOT	1
CAT6A UTP PATCH PANEL LONGER PULL	CAT 6A	10 FOOT	1
SERVER	CAT 6	10 FOOT	1
DVR	CAT 6	10 FOOT	1
UPS	CAT 6	10 FOOT	1
ROUTER	CAT 6	10 FOOT	1
CARRIER BACKBOARD	CAT 6	3 FOOT	2

CONFIRM LENGTHS AND QUANTITIES PRIOR TO ORDERING. PULL/PATCH SCHEDULE TEMPLATE SHALL BE PROVIDED BY THE JPMC GTI PM AND TC SHALL BE RESPONSIBLE FOR FILLING THE REQUIRED COLUMNS AS DIRECTED. LENGTHS NOTED ARE FOR CONTRACTOR PRICING PURPOSES. EXACT LENGTHS SHALL BE FIELD VERIFIED PRIOR TO PURCHASING.

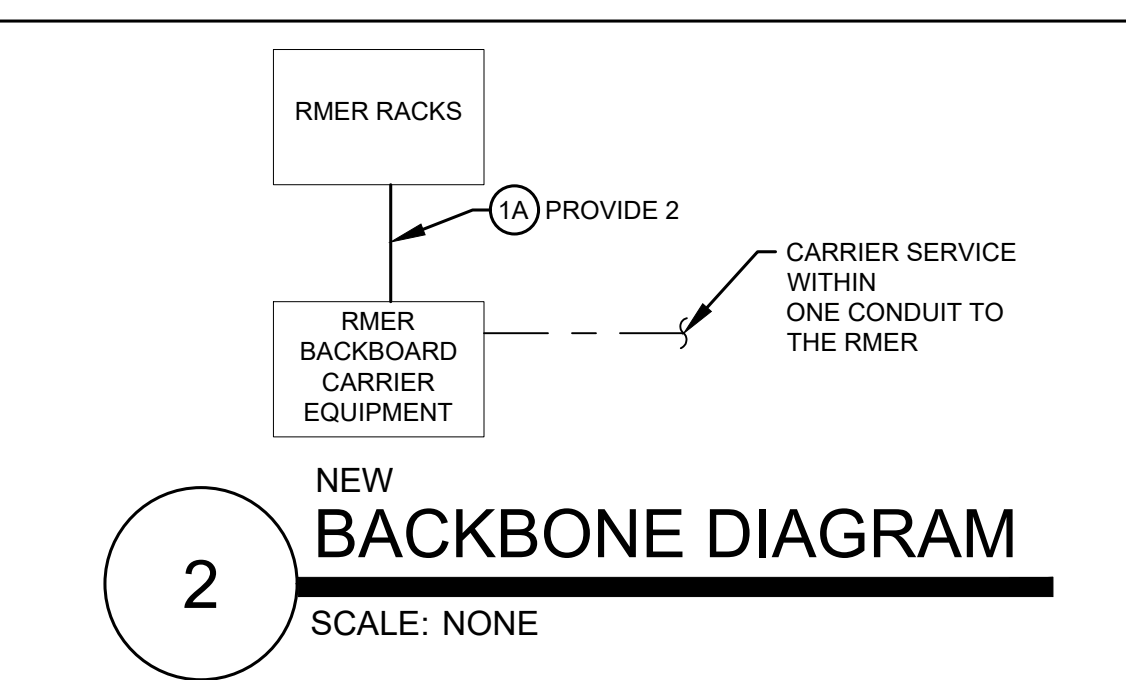
FOR RMER/RTR END, THE CONTRACTOR SHALL ORDER PATCH CORD LENGTHS SO THAT NO MORE THAN 1' OF SLACK IS INCLUDED IN EACH PATCH CORD AFTER INSTALLATION. THEREFORE, THE TC SHALL FIELD MEASURE THE REQUIRED LENGTHS. THE LENGTHS SHOWN ABOVE ARE FOR PRICING PURPOSES ONLY.



REFER TO SHEET TC-302 FOR SPECIFIC OUTLET CONFIGURATIONS.

## NETWORK DIAGRAM

SCALF: NONE



NEW  
BACKBONE DIAGRAM






SCALE: NONE

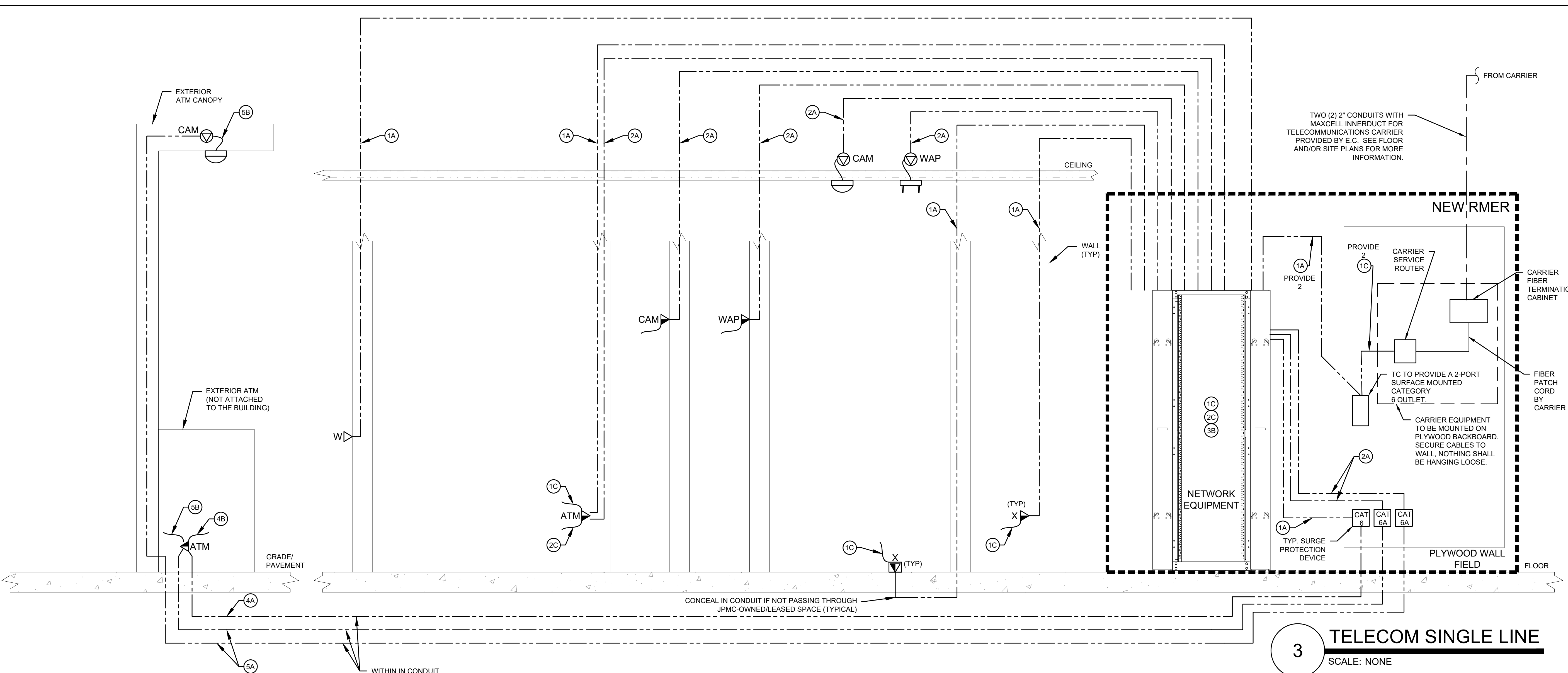
TYPE	NUMBER	DESCRIPTION	MANUFACTURER	MODEL NUMBER
INTERIOR CATEGORY 6 UTP	(1A)	CATEGORY 6, PLENUM RATED, HORIZONTAL UTP GRAY CABLE	COMMSCOPE/ SYSTIMAX	700210198 (REEL) 700214372 (BOX)
	(1B)	CATEGORY 6, NON-PLENUM RATED HORIZONTAL UTP GRAY CABLE	COMMSCOPE/ SYSTIMAX	700211923 (REEL) 700211931 (BOX)
	(1C)	CATEGORY 6 PATCH CORD	COMMSCOPE/ SYSTIMAX	CPC3312-03F0##, WHERE ## = LENGTH
INTERIOR CATEGORY 6A UTP	(2A)	CATEGORY 6A, PLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/ SYSTIMAX	760105940 (REEL) 760107268 (BOX)
	(2B)	CATEGORY 6A, NON-PLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/ SYSTIMAX	760105817
	(2C)	CATEGORY 6A, PATCH CORD	COMMSCOPE/ SYSTIMAX	CPCSSX2-08F0##, WHERE ## = LENGTH
INTERIOR CATEGORY 6A F/UTP	(3A)	CATEGORY 6A, PLENUM RATED, HORIZONTAL F/UTP BLUE CABLE	COMMSCOPE/ SYSTIMAX	UN874034704 (REEL)
	(3B)	CATEGORY 6A, F/UTP, BLUE PATCH CORD	COMMSCOPE/ SYSTIMAX	UC111G2-0MF00## WHERE ## = LENGTH
	(4A)	CATEGORY 6, OSP RATED, HORIZONTAL UTP CABLE	COMMSCOPE/ SYSTIMAX	760008888
EXTERIOR CATEGORY 6 UTP	(4B)	CATEGORY 6, OSP RATED, PATCH CORD	COMMSCOPE/ SYSTIMAX	CO15542-01F0##, WHERE ## = LENGTH
	(5A)	CATEGORY 6A, OSP RATED, HORIZONTAL UTP CABLE	COMMSCOPE/ SYSTIMAX	760178129
	(5B)	CATEGORY 6A, OSP RATED, PATCH CORD	COMMSCOPE/ SYSTIMAX	CO15582-01F0##, WHERE ## = LENGTH
FIBER	(6B)	HYBRID FIBER (2-STRAND SINGLE MODE) WITH COPPER (TWO 12AWG), OUTDOOR RATED HORIZONTAL CABLE	BERK-TEK	ONE-REACH SERIES
NOTES	<p>A. FOR PATCH CORDS WITHOUT AN EXACT LENGTH SPECIFIED, THE CONTRACTOR SHALL DETERMINE THE LENGTH SO THERE IS NO MORE THAN 1' OF SLACK ON EACH END.</p> <p>B. ALL CABLE TYPES LISTED ABOVE MAY NOT BE USED ON EVERY PROJECT.</p> <p>C. NON-PLENUM CABLES CAN ONLY BE USED WHEN EITHER THE CABLING IS TOTALLY WITHIN CONDUIT OR THE HVAC SYSTEM HAS A DUCTED AIR RETURN.</p>			

CABLING INSTALLATION GENERAL NOTES:

- A. CABLES ROUTED TO WALLS AND COLUMNS SHALL BE IN CONDUIT STUB-UPS. CABLES ROUTED IN FLOOR SLAB SHALL BE IN CONDUIT. ANY CABLE ROUTES THAT ARE NOT IN JPMC OWNED SPACE SHALL BE IN CONDUIT. (TC TO COORDINATE WITH EC FOR CONDUIT QUANTITIES, PLACEMENT AND SIZING).
- B. CABLE PATHWAYS ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. ACTUAL PATHWAYS MAY BE DIFFERENT. TC SHALL VERIFY CABLE PATHWAYS AND RACK TERMINATION LOCATION OF THE CABLES IN THE FIELD PRIOR TO PULLING ANY CABLES.
- C. THE SINGLE LINE DIAGRAM IS DIAGRAMMATIC FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR DISTANCE CALCULATIONS OR QUANTITY TAKE-OFFS.
- D. ALL CABLEING RUNS THAT REMAIN WITHIN JPMC AREAS SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH ALL JPMC STANDARDS. ALL CABLEING THAT IS RUN IN COMMON BUILDING AREAS AND OTHER TENANT SPACES MUST BE IN CONDUIT FOR THE FULL RUN OUTSIDE OF JPMC AREAS SUCH THAT NO JPMC CABLEING IS ACCESSIBLE TO ANYONE OTHER THAN JPMC PERSONNEL. JUNCTION AND PULL BOXES AND OTHER ACCESS POINTS REQUIRED IN COMMON AREAS SHALL BE PROVIDED WITH LOCKS SO THAT THE CABLEING IS INACCESSIBLE TO ANYONE OTHER THAN JPMC PERSONNEL.
- E. FOR EACH CAT 6 AND CAT 6A CABLEING LEAVING THE BUILDING TO SERVE EXTERIOR ISLAND ATMS, ATM CANOPY CAMERAS AND EXTERIOR POLE MOUNTED CAMERAS, PROVIDE A SURGE PROTECTION DEVICE WITHIN THE RMER AT THE LOCATION OF SLAB PENETRATION.

## CABLE LINETYPE LEGEND

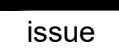
	UTP 4-PAIR CABLE
	F/UTP 4-PAIR CABLE
	CARRIER FIBER OPTIC DEMARC EXTENSION CABLE
	SINGLE MODE FIBER OPTIC BACKBONE CABLE
	HYBRID MULTIMODE FIBER OPTIC & 2-CONDUCTOR 12 AWG COPPER HORIZONTAL CABLE





keyplan

seal



site location **JP MORGAN CHASE & CO**  
**908 NW PRYOR RD**  
**LEE'S SUMMIT, MO 64081**

title	
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job no.

sheet

(1) CAT 6 UTP 4-PAIR CABLE

CAT 6 RJ45 JACK

FIELD INSTALLED LASER PRINTED LABEL

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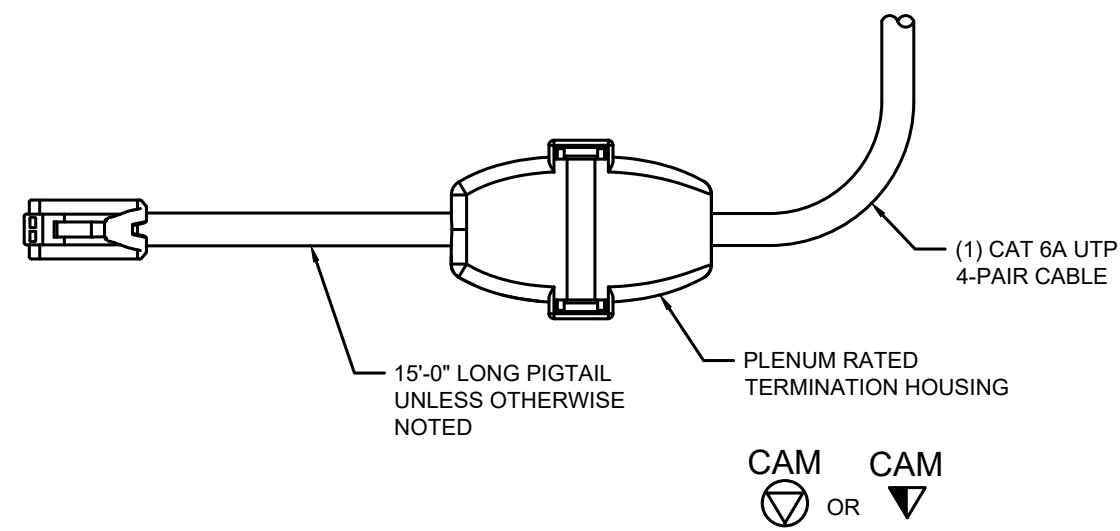
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W  
▽ OR ▽ OR 1

1 WALL MOUNTED PHONE AND 1-PORT  
TYPICAL FLUSH MOUNT FACEPLATE

SCALE: NONE



**NOTE:**

- A. CEILING CONNECTOR ASSEMBLY MUST BE SECURELY MOUNTED WITHIN THE BACKBOX.
- B. REFER TO THE HORIZONTAL CABLE & FACEPLATE LABELING DETAILS ON SHEET TC-402.
- C. PROVIDE 18" LONG PITGAL ASSEMBLY WHEN MOUNTED WITHIN A BACKBOX, SUCH AS LIGHT POLE MOUNTED CAMERAS ON THE SITE AND DRIVE UP ATM OVERVIEW CANOPY CAMERAS.

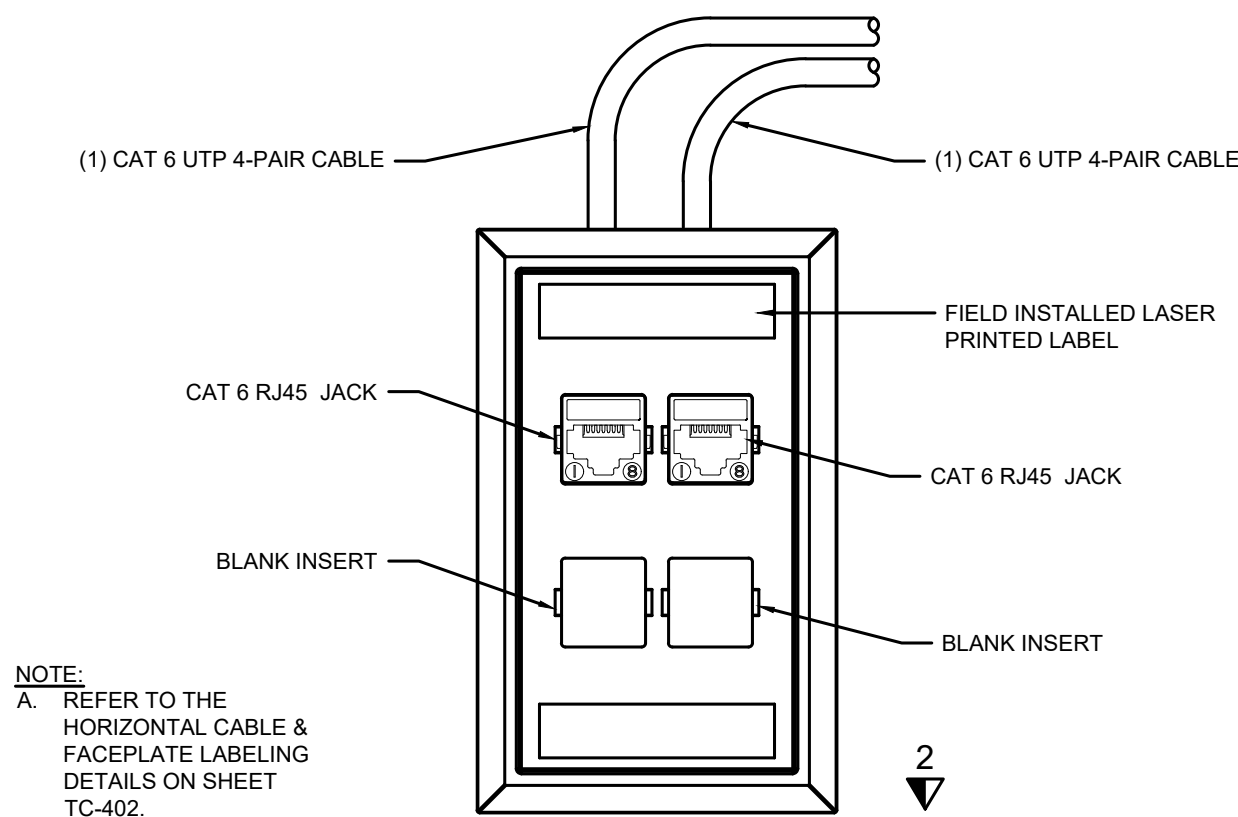
 TYPICAL OUTLET FOR SECURITY CAMERAS

(5) SCALE: NONE

WORK AREA OUTLET SCHEDULE				
TYPE	DESCRIPTION	COLOR	MANUFACTURER	PART NUMBER
STANDARD IPMC 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	106650898
	FURNITURE MOUNTED FACEPLATE, 4-PORT	WHITE	COMMSCOPE/ SYSTEMAX	760118232
	WALL MOUNTED FACEPLATE, 4-PORT	WHITE	COMMSCOPE/ SYSTEMAX	108168543
	WALL MOUNTED FACEPLATE, 4-PORT FOR F/UTP CAT6A (TPC APPLICATIONS)	WHITE	COMMSCOPE/ SYSTEMAX	108168543
	FLOOR BOX MOUNTED FACEPLATE WITHIN FIRE RATED POKETHRU, 3 PORTS (108 FRAME) - COORDINATE WITH FLOOR BOX MANUFACTURER	WHITE	COMMSCOPE/ SYSTEMAX	108265455
	2-PORT NON-PLENUM RATED SURFACE MOUNT BOX	WHITE	COMMSCOPE/ SYSTEMAX	107984056
WAP & CAMERA OUTLETS	CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 1P" PIGTAIL	WHITE	COMMSCOPE/ SYSTEMAX	760235592
	CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 15/0" PIGTAIL	WHITE	COMMSCOPE/ SYSTEMAX	C015J02-8BF015
	WAP CATEGORY 6A JACK	WHITE	COMMSCOPE/ SYSTEMAX	760092429
	CAMERA CATEGORY 6A JACK	GREEN	COMMSCOPE/ SYSTEMAX	760092403
CARRIER CONNECTION OUTLETS	CARRIER CONNECTION CATEGORY 6 JACK	PURPLE	COMMSCOPE/ SYSTEMAX	700206675

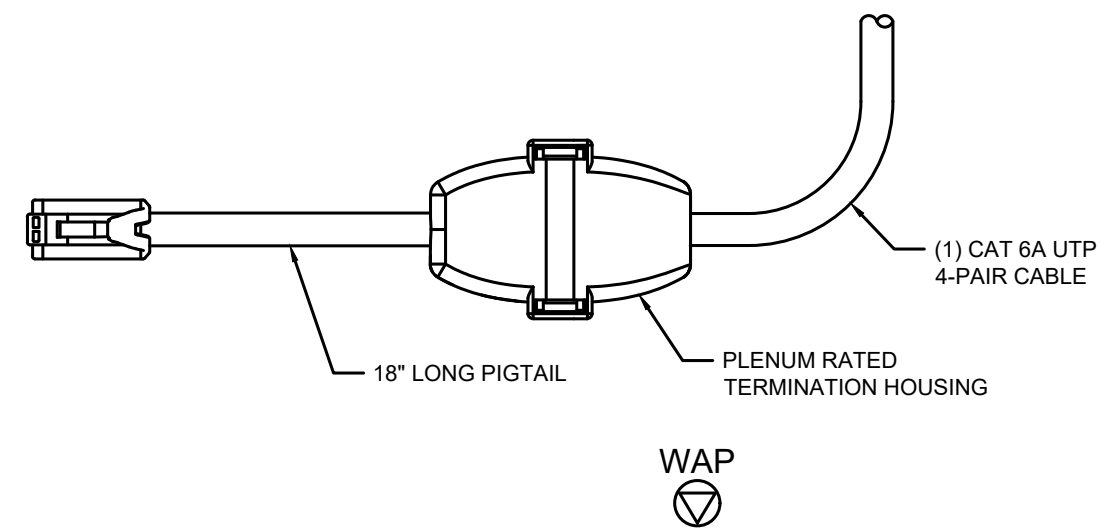
11 STRUCTURED CABLING OUTLET SCHEDULE

(11) SCALE: NONE



2-PORT  
TYPICAL FLUSH MOUNT FACEPLATE

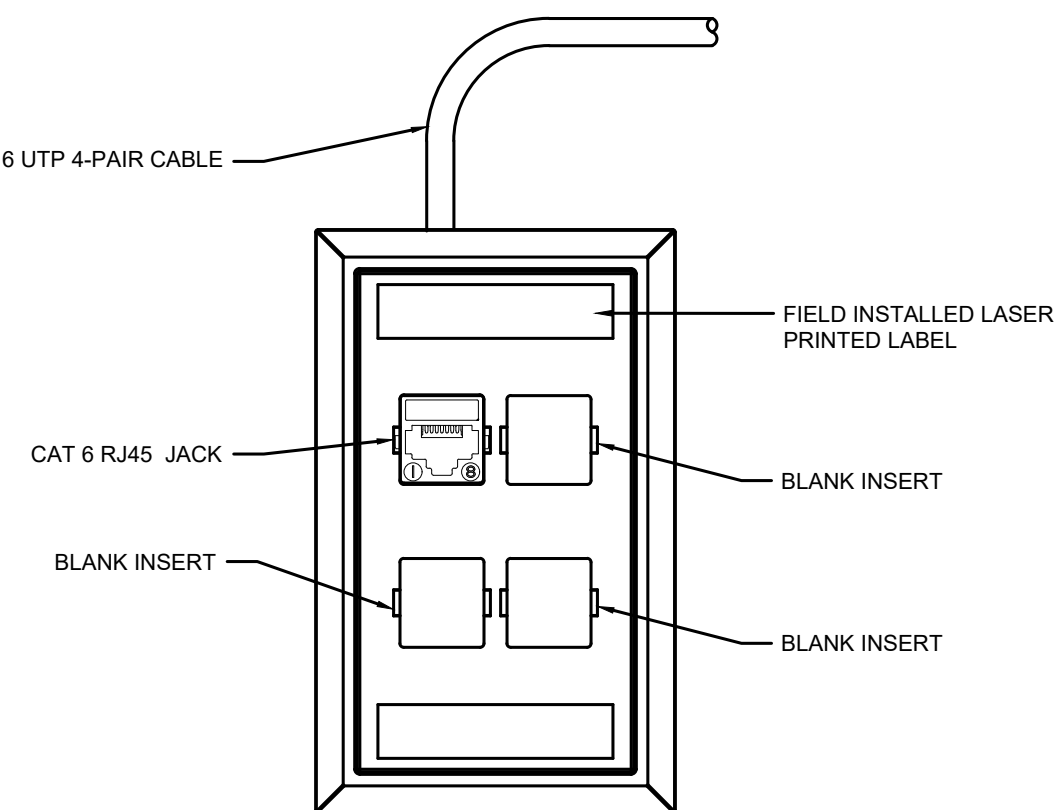
2 SCALE: NONE



**NOTE:**  
A. CEILING CONNECTOR ASSEMBLY MUST BE SECURELY MOUNTED WITHIN THE BACKBOX.  
B. REFERTO THE HORIZONTAL CABLE & FACEPLATE LABELING DETAILS ON SHEET TC-402.

⑥ TYPICAL OUTLET FOR WAP DEVICES

6 SCALE: NONE



**NOTE:**

A. MOUNT WITHIN FLOOR BOX, POKE-THRU, OR PEDASTAL BOX. COORDINATE WITH THE ELECTRICAL CONTRACTOR.

B. REFER TO THE HORIZONTAL CABLE & FACEPLATE LABELING DETAILS ON TC-402.

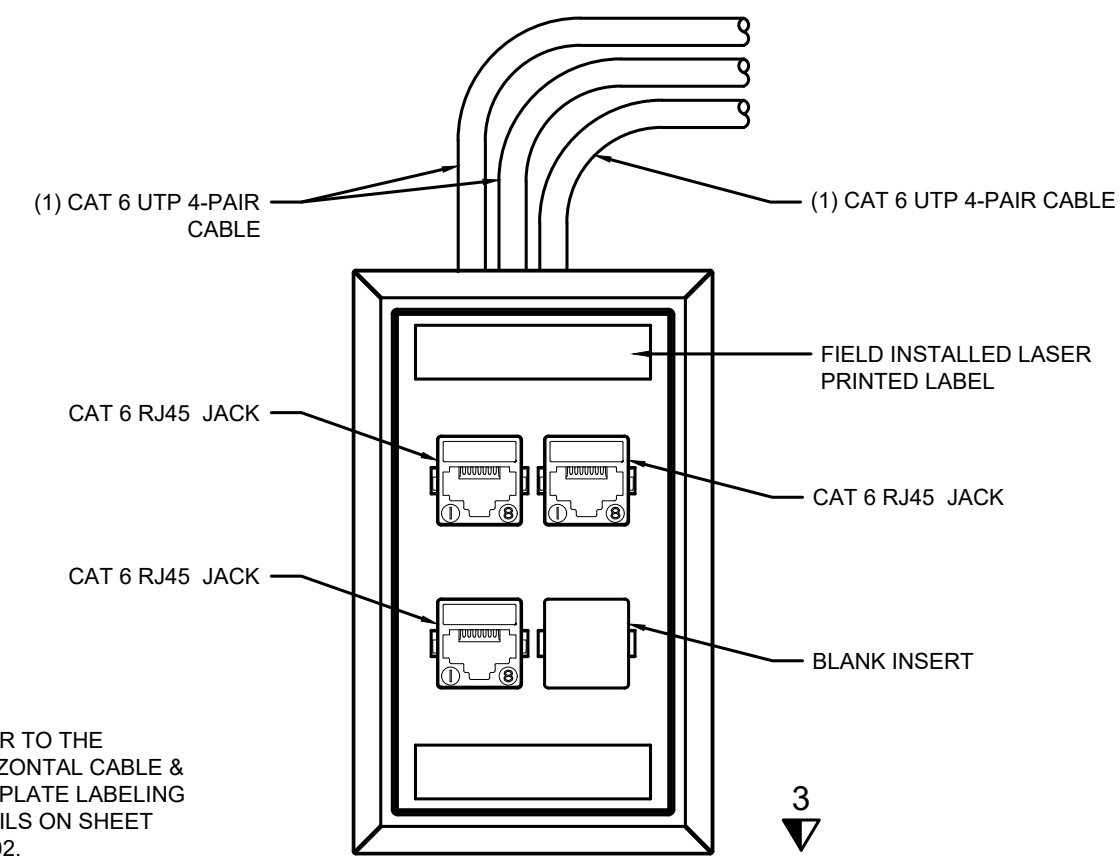
⑧ TYPICAL FLOOR MOUNTED OUTLET

8 SCALE: NONE

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	BLUE

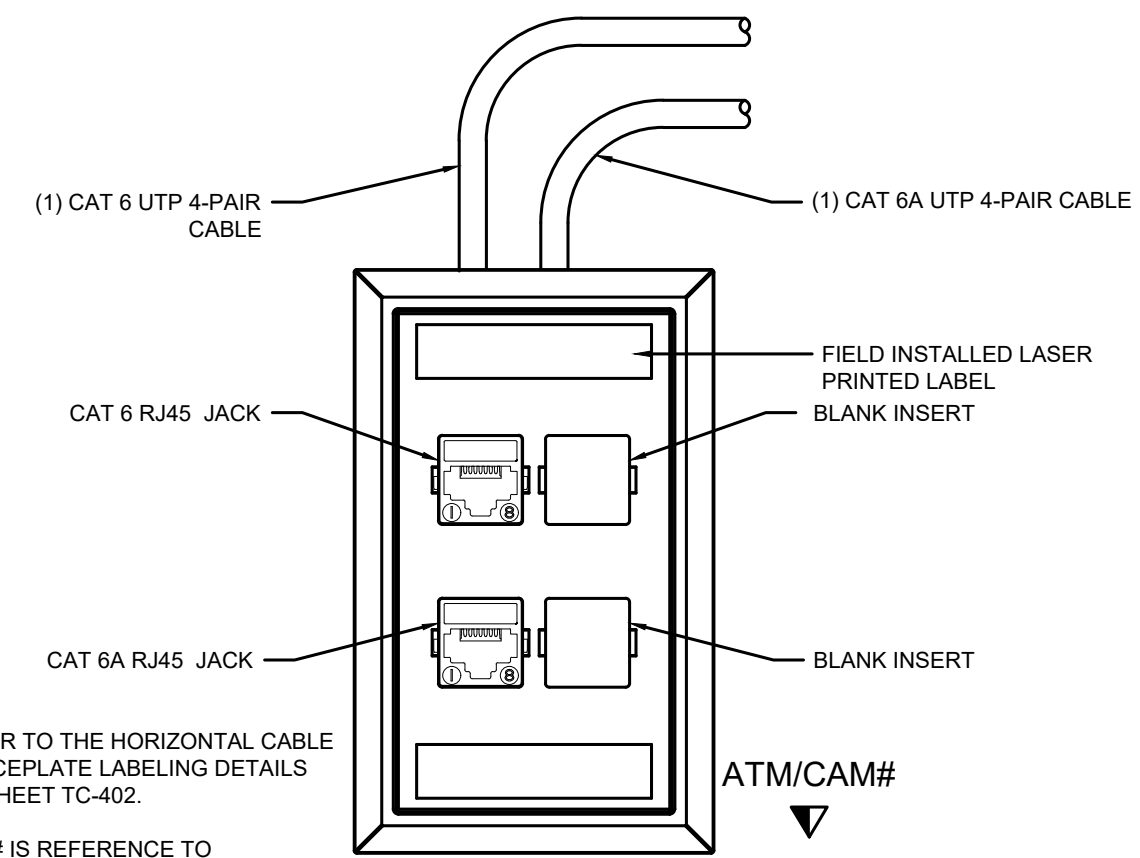
## 12 STRUCTURED CABLING COLOR CODING

(12) SCALE: NONE



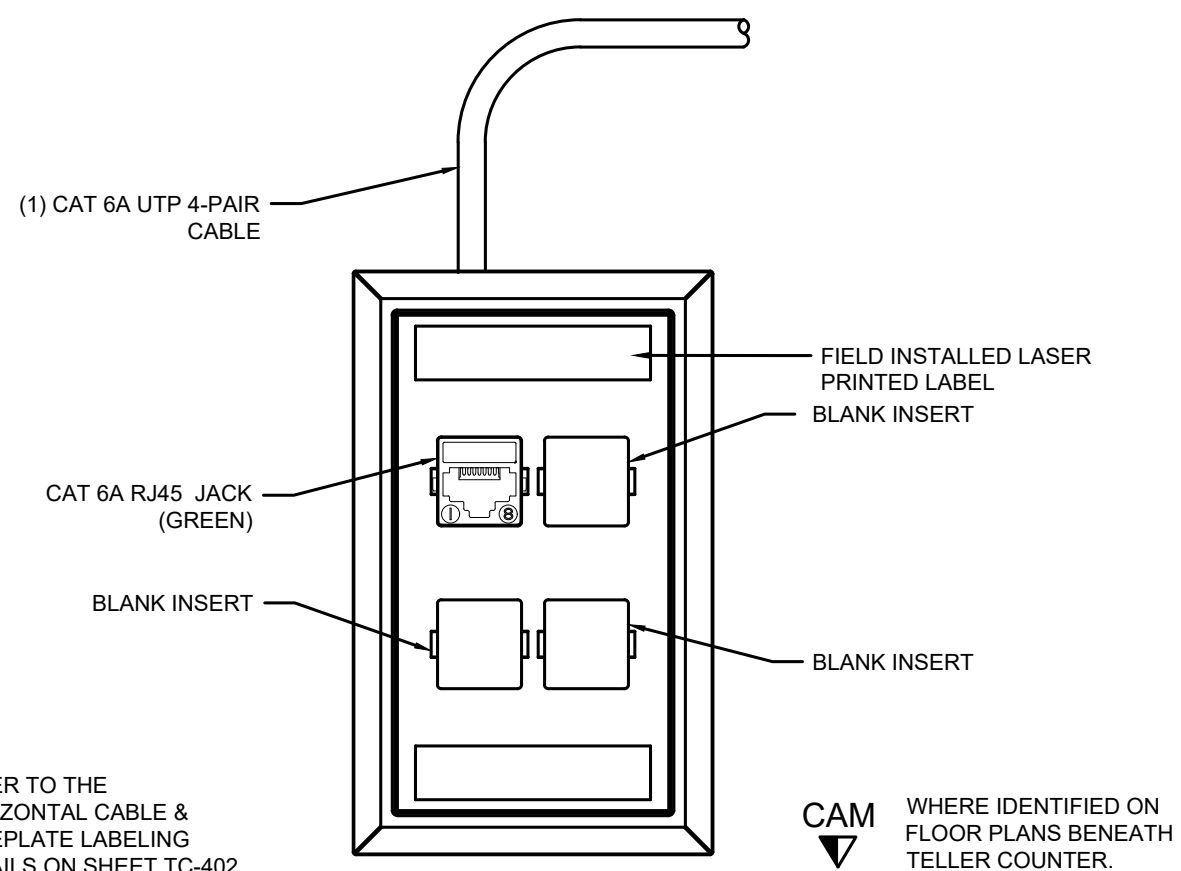
3-PORT  
TYPICAL FLUSH MOUNT FACEPLATE

3 SCALE: NONE



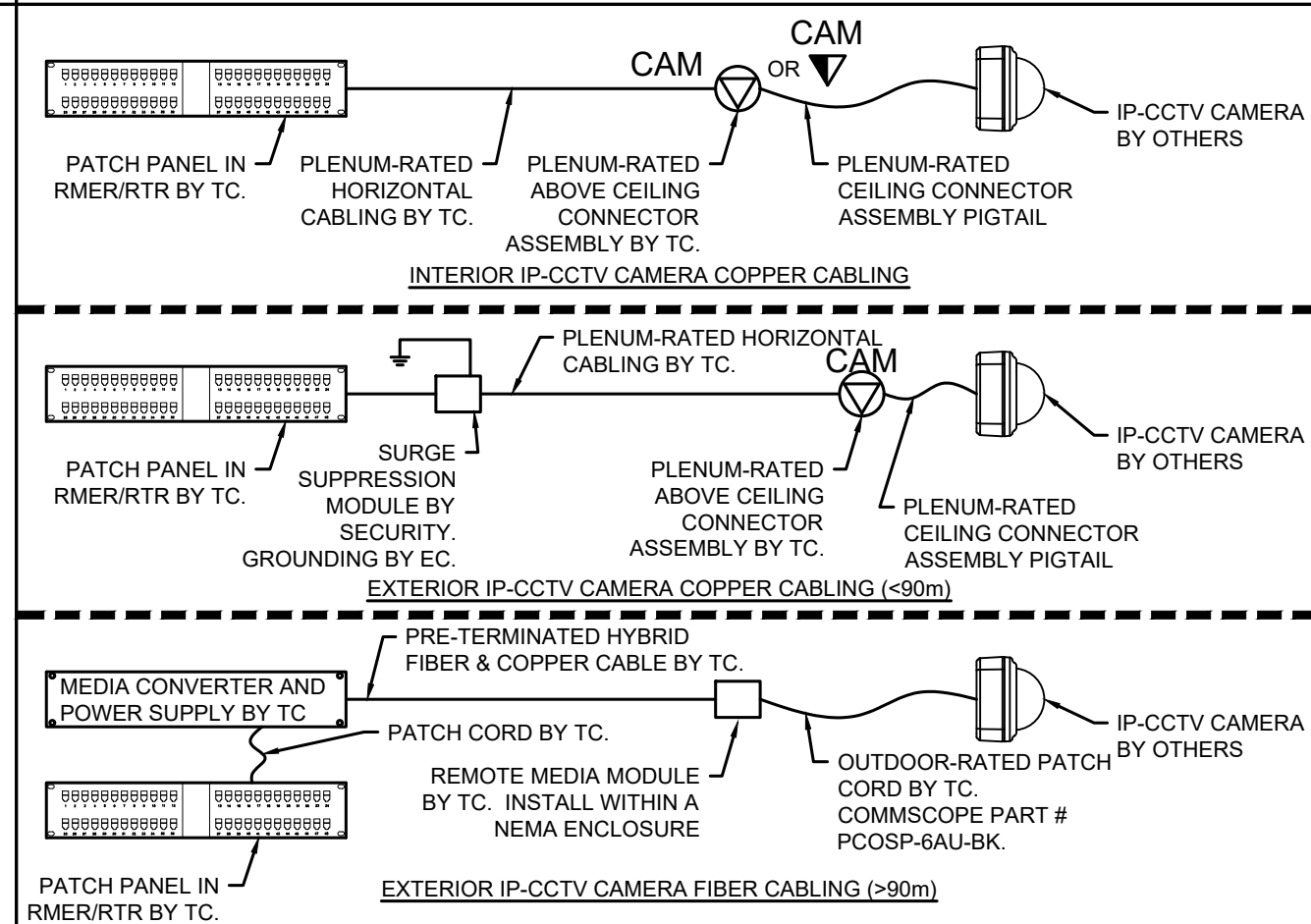
1 ATM  
TYPICAL FLUSH MOUNT FACEPLATE

4 SCALE: NONE



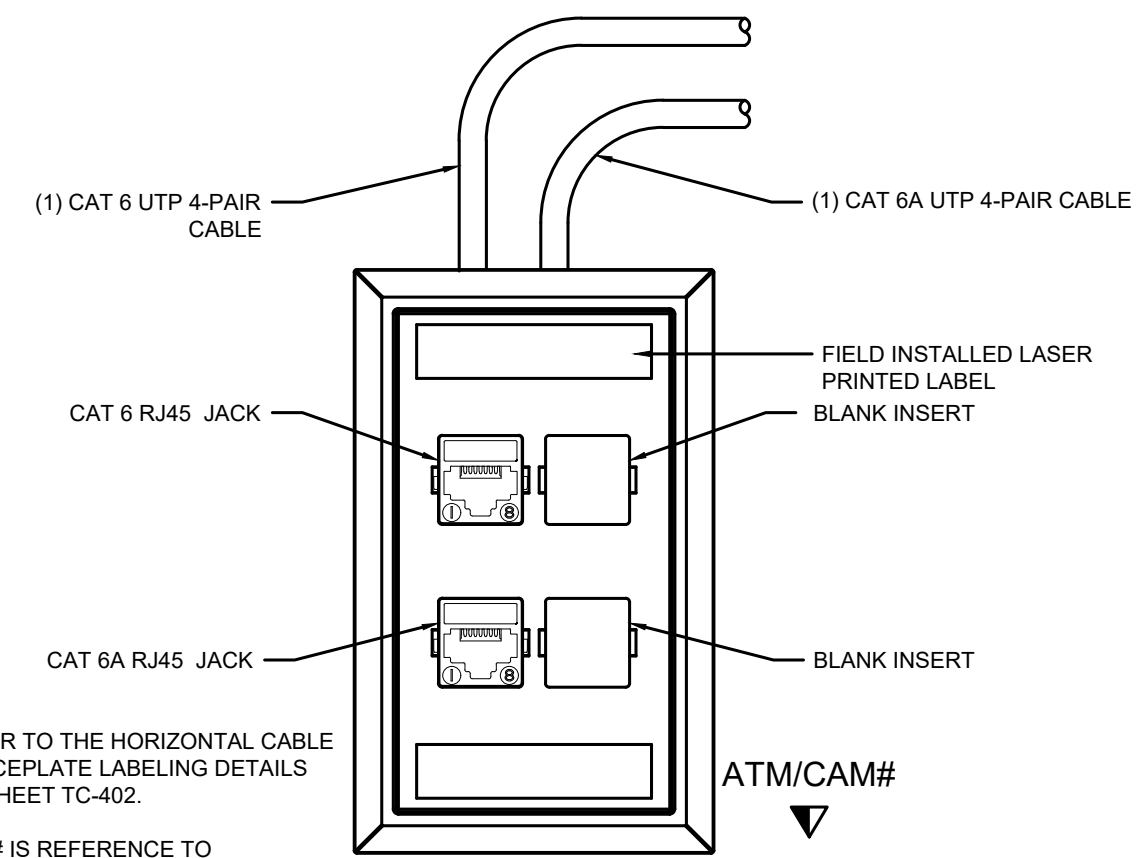
② TYPICAL CAMERA  
FACEPLATE BENEATH TELLER COUNTER

9 SCALE: NONE



13 IP-CCTV CAMERA INSTALLATION DETAIL

(13) SCALE: NONE



14 CARRIER EXTENSION  
SURFACE MOUNTED OUTLET ON BACKBOARD

(14) SCALE: NONE



## keyplan

sea



site location	<b>JP MORGAN CHASE &amp; CO</b> <b>908 NW PRYOR RD</b> <b>LEE'S SUMMIT, MO 64081</b>
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designed KB	date 03.02.2022	drawn KE
checked CC	scale AS NOTED	

title
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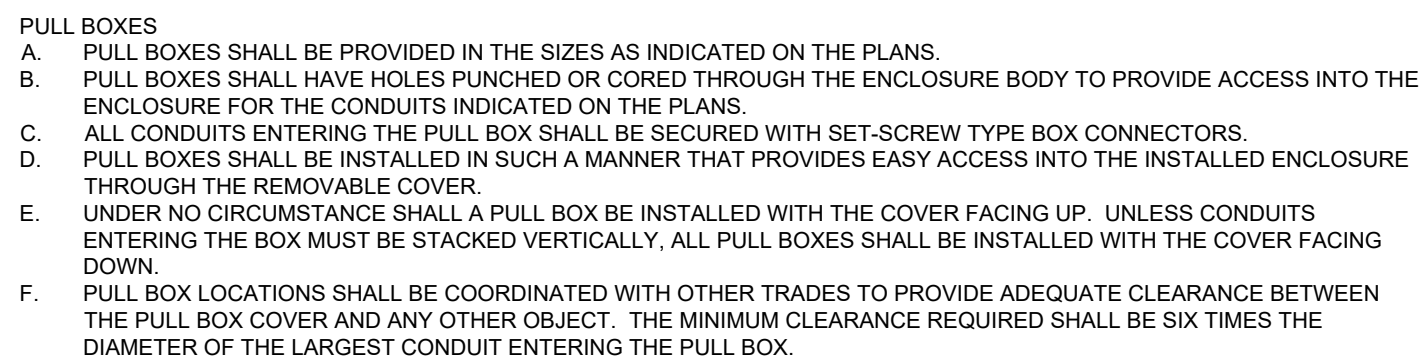
## TELECOM INSTALLATION DETAILS

job no

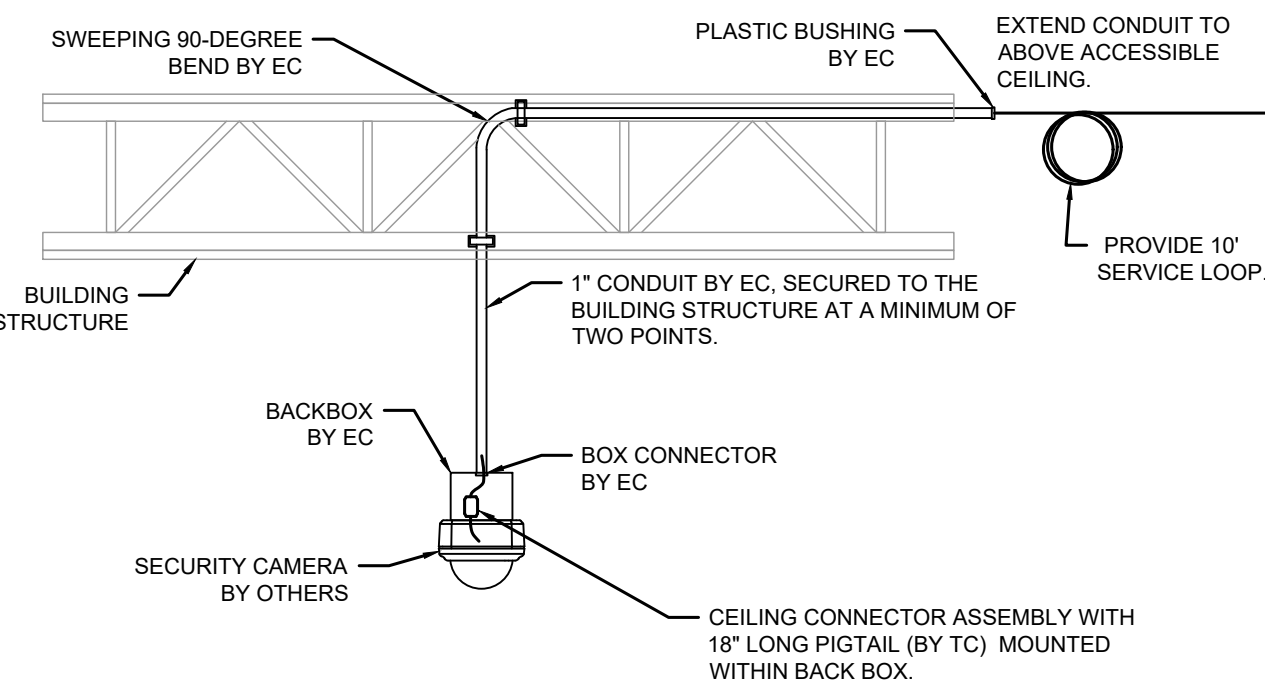
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sheet

# TC-401



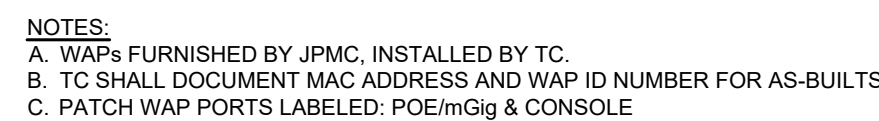
## OUTLET ROUGH-IN REQUIREMENTS



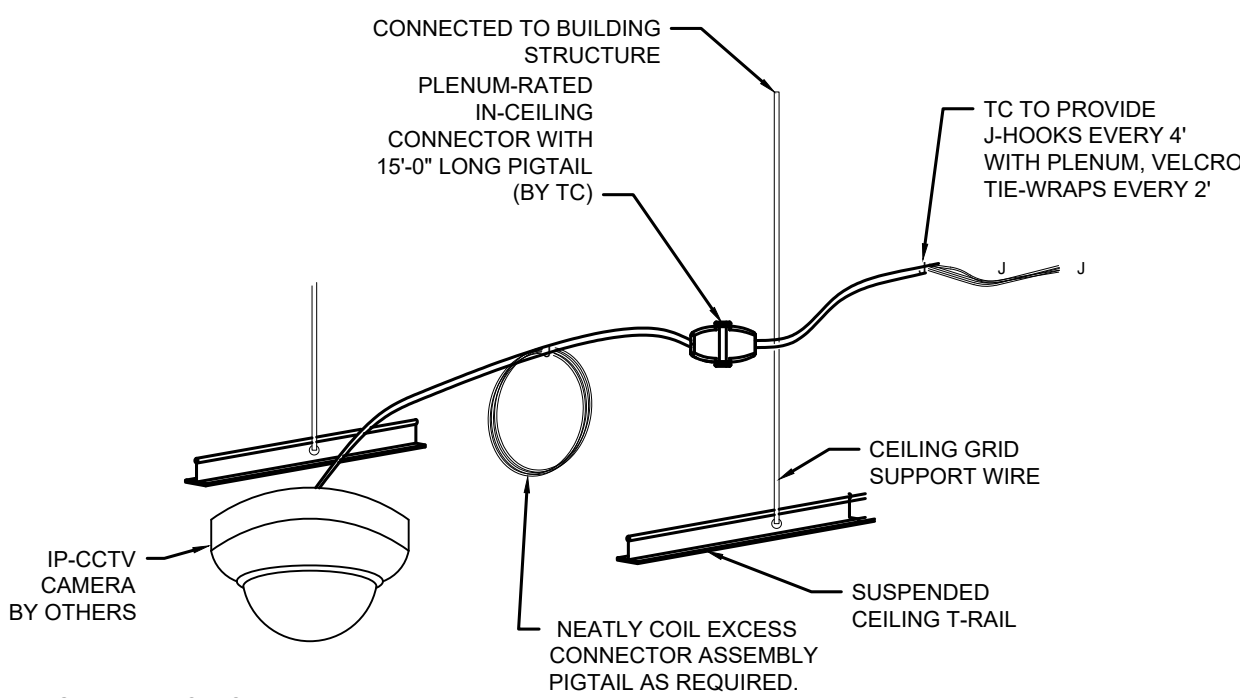
**GENERAL NOTES:**

- A. SECURITY CAMERA FURNISHED AND INSTALLED OTHERS.
- B. EXTEND THE CONDUIT TO THE RMER.
- C. BACKBOX SIZE, AND CONDUIT SIZE SPECIFIED BY SECURITY ENGINEER.
- D. THE BOTTOM OF THE BACKBOX SHALL BE 2" LOWER THAN THE BOTTOM OF THE LIGHT FIXTURES OFF OF THE FINISHED FLOOR.

## OPEN-TO-STRUCTURE CEILING SECURITY CAMERA INSTALLATION DETAIL

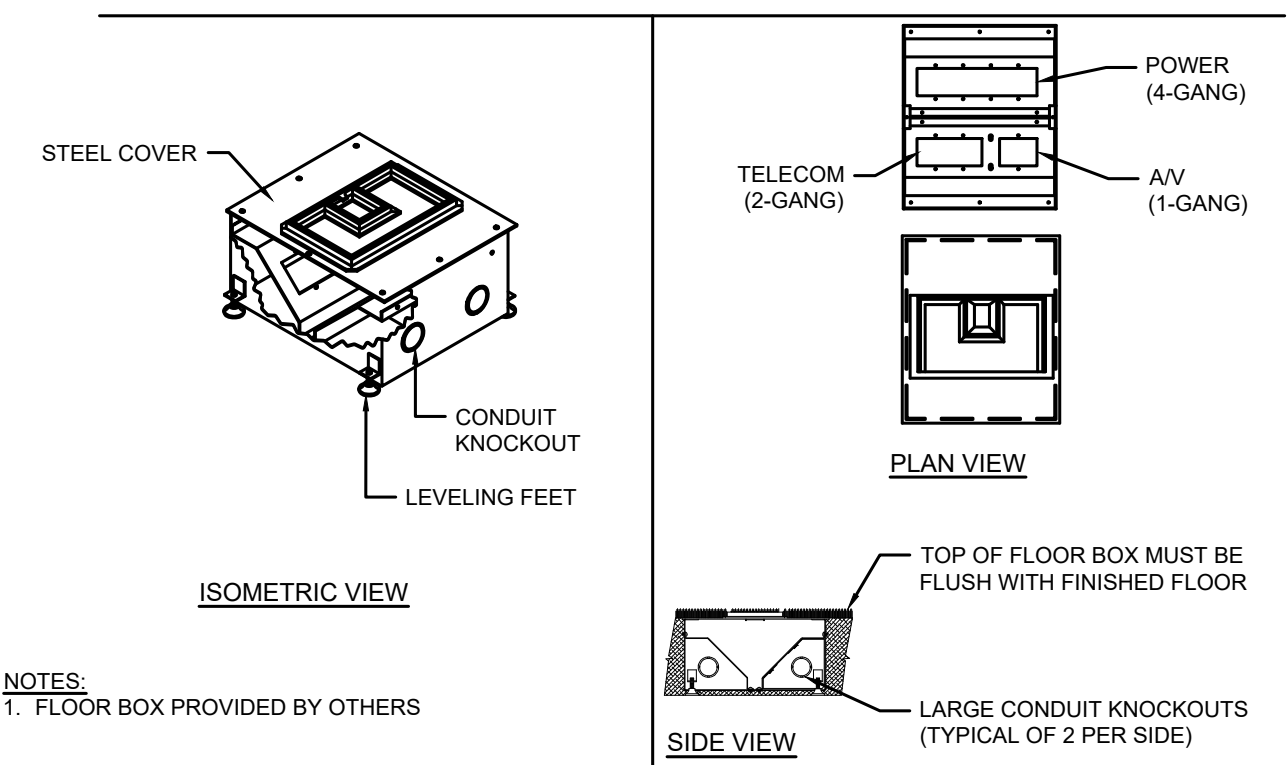
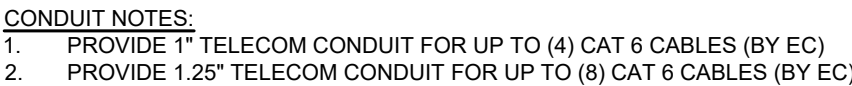


## WAP DROP CEILING INSTALLATION DETAIL



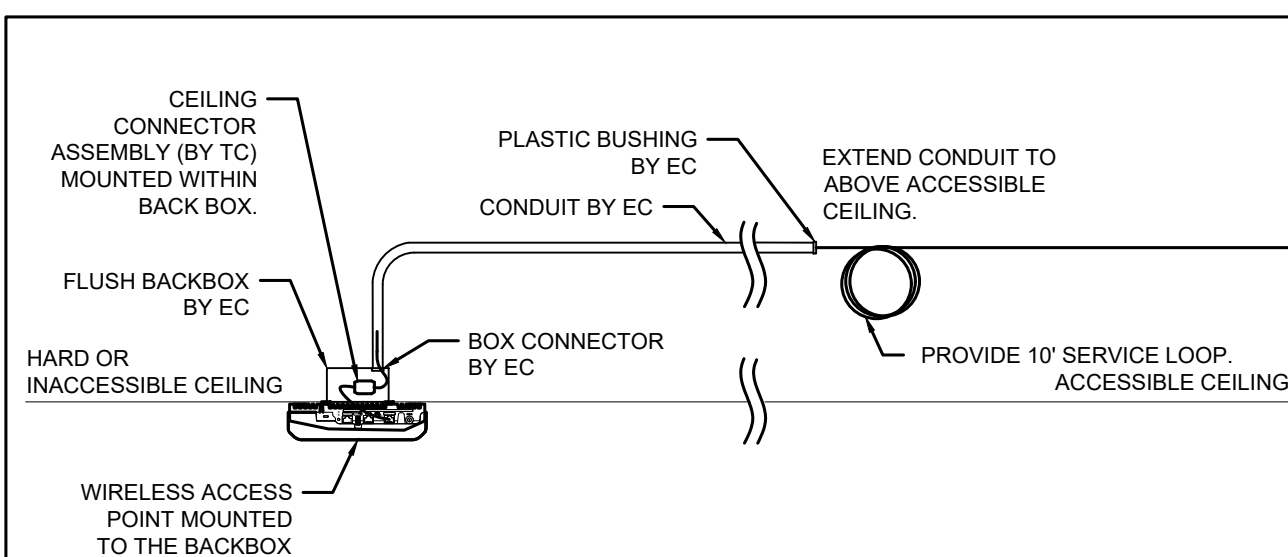
GENERAL NOTES:  
A. IP-CCTV CAMERA FURNISHED AND INSTALLED BY OTHERS

## INTERIOR ACCESSIBLE CEILING MOUNTED IP-CCTV CAMERA INSTALLATION DETAIL



NOTES:  
1. FLOOR BOX PROVIDED BY OTHERS

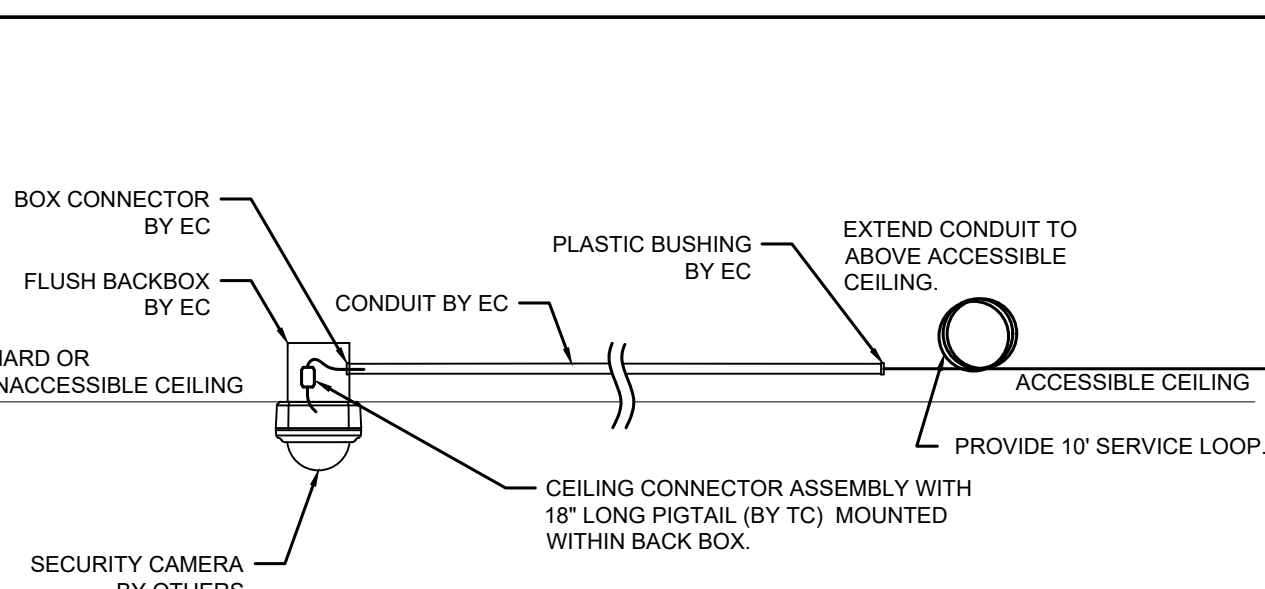
## STANDARD FLOOR BOX DETAIL



**NOTES:**

- A. WAPs FURNISHED BY JPMC, INSTALLED BY TC.
- B. TC SHALL DOCUMENT MAC ADDRESS AND WAP ID NUMBER FOR AS-BUILTS
- C. ALL PATCH CABLES SHALL BE PLENUM RATED.
- D. EC SHALL EXTEND THE CONDUIT TO THE RMER.
- E. PATCH WAP PORTS LABELED: POE/mGig & CONSOLE

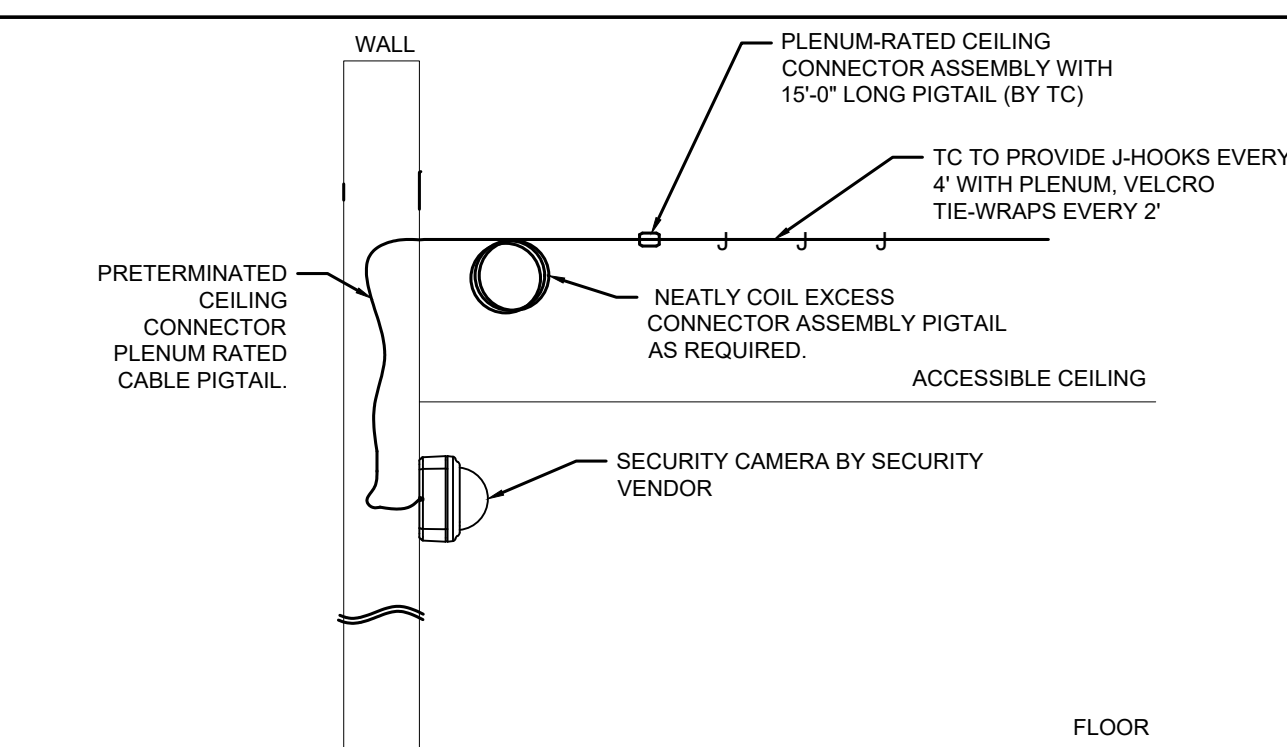
## HARD-CEILING MOUNTED WAP INSTALLATION DETAIL



GENERAL NOTES:

- A. SECURITY CAMERA FURNISHED AND INSTALLED OTHERS.
- B. PATCH CABLE SHALL BE PLENUM RATED. TC TO FIELD VERIFY LENGTH REQUIRED BASED ON CONDUIT INSTALLATION.
- C. EXTEND THE CONDUIT TO THE RMER.
- D. BACKBOX SIZE, AND CONDUIT SIZE SPECIFIED BY SECURITY ENGINEER.

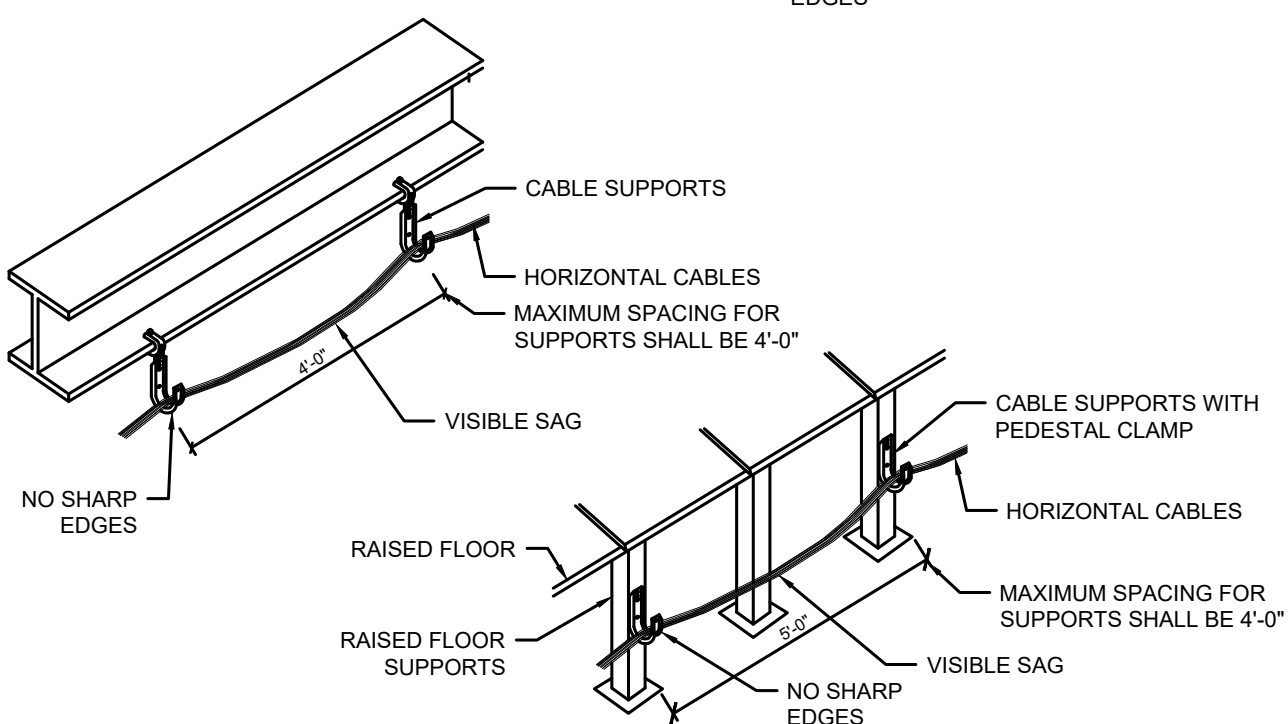
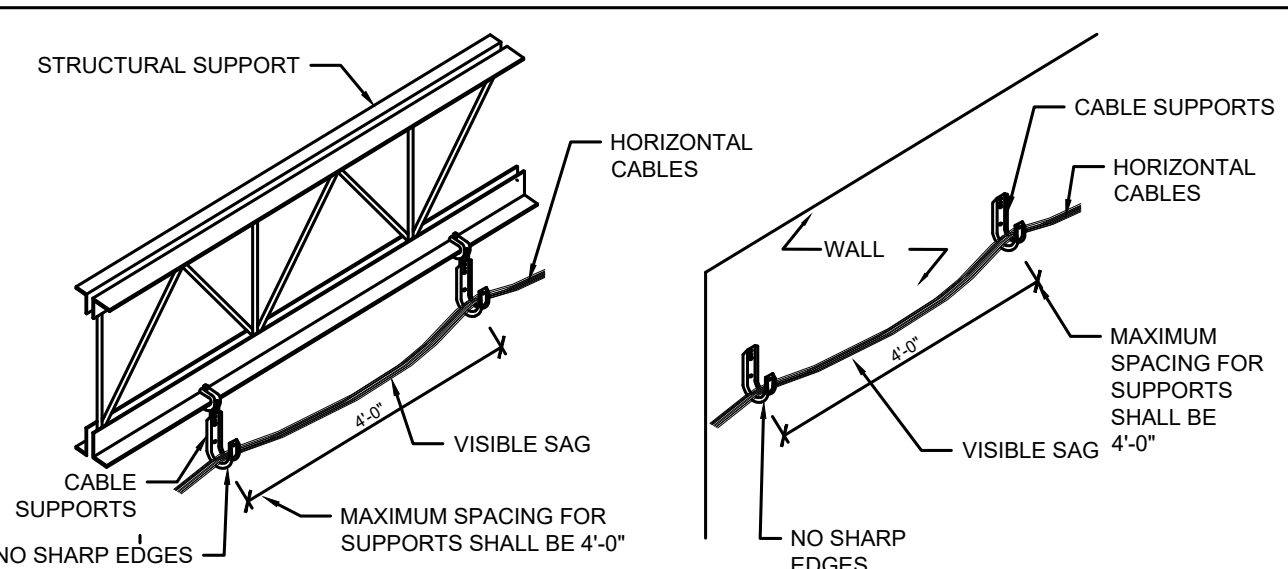
### HARD-CEILING MOUNTED SECURITY CAMERA INSTALLATION DETAIL



**GENERAL NOTES:**

- A. SECURITY CAMERA FURNISHED AND INSTALLED OTHERS.
- B. PATCH CABLE SHALL BE PLENUM RATED.
- C. WHERE A HARD CEILING IS PRESENT NEAR THE CAMERA LOCATION, EC SHALL PROVIDE A 1" FLEXIBLE CONDUIT FROM THE WALL CAVITY TO THE NEAREST ACCESSIBLE CEILING IN THE DIRECTION OF THE RMR/RTR SERVING THE OUTLET.
- D. CAMERA MOUNTING HEIGHT, BACKBOX SIZE, AND CONDUIT SIZE SPECIFIED BY SECURITY ENGINEER.

### INTERIOR WALL MOUNTED SECURITY CAMERA INSTALLATION DETAIL



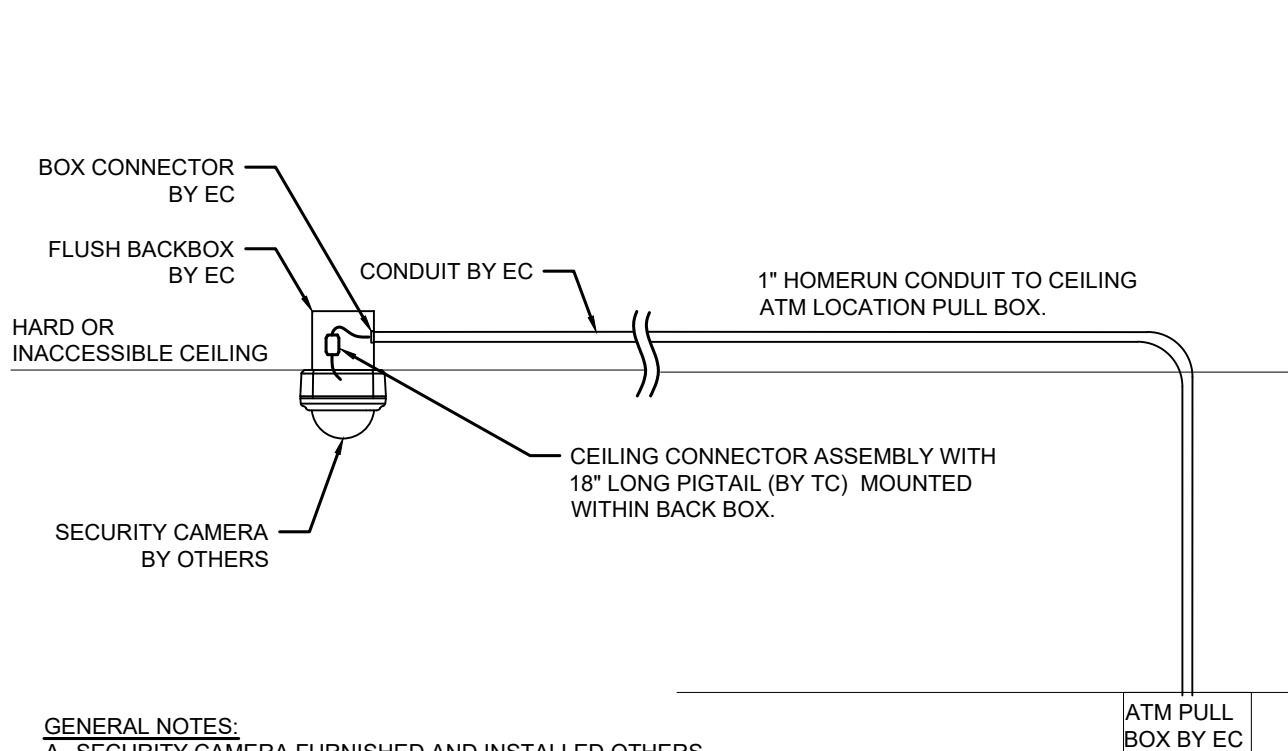
NOTES:

1. TELECOMMUNICATION CABLES SHALL NOT BE SUPPORTED FROM DUCTWORK, SPRINKLER PIPING, WATER PIPING, WASTE PIPING OR ELECTRICAL CONDUIT. TELECOMMUNICATION CABLES SHALL NOT BE ROUTED ABOVE STRUCTURAL STEEL.
2. TELECOMMUNICATION CABLES SHALL RUN PARALLEL OR AT RIGHT ANGLES TO THE BUILDING STRUCTURE AND SHALL NOT RUN DIAGONALLY ACROSS CEILING SPACE.
3. TELECOMMUNICATION CABLE SUPPORTS SHALL BE PROPERLY ANCHORED TO BUILDING SUPPORT STRUCTURE LOCATED THRU-OUT IN LOCATIONS THAT CABLE TRAY IS NOT USED.
4. TELECOMMUNICATION CABLES SHALL BE INSTALLED WITH AT LEAST 3" OF CLEAR VERTICAL SPACE ABOVE ANY COMPONENT OF THE SUSPENDED CEILING.
5. J-HOOKS SHALL BE INSTALLED WITHIN (1) ONE FOOT OF THE BUSHED CONDUIT ENDS STUBBED ABOVE THE CEILING AND WITHIN (1) ONE FOOT OF ANY BEND GREATER THAN 60 DEGREES.
6. ALL J-HOOKS SHALL BE ATTACHED SECURELY TO THE CEILING JOISTS OR CONCRETE DECK ABOVE UTILIZING THE MANUFACTURER'S RECOMMENDED HARDWARE AND INSTALLATION PRACTICES. CONTRACTOR SHALL UTILIZE UNISTRUT AND THREADED ROD ASSEMBLIES TO MAINTAIN THE (4) FOUR FOOT CENTER TO CENTER REQUIREMENT BETWEEN CEILING JOIST MEMBERS AS REQUIRED.

7. COMPONENTS:

- a. J-HOOKS: COPPER, CADDY, OR PANDUIT
- b. SCREW-ON BEAM CLAMP: PANDUIT JP25BC50RB-L20
- c. HAMMER-ON BEAM CLAMP: PANDUIT JP2HBC25RB-L20
- d. PURLIN CLIP FOR ANGLED FLANGES: PANDUIT JP131ZP-L
- e. PURLIN CLIP FOR VERTICAL FLANGES: PANDUIT JP131CP
- f. UNDER RAISED FLOOR CLAMP: PANDUIT JP131UF100-L20

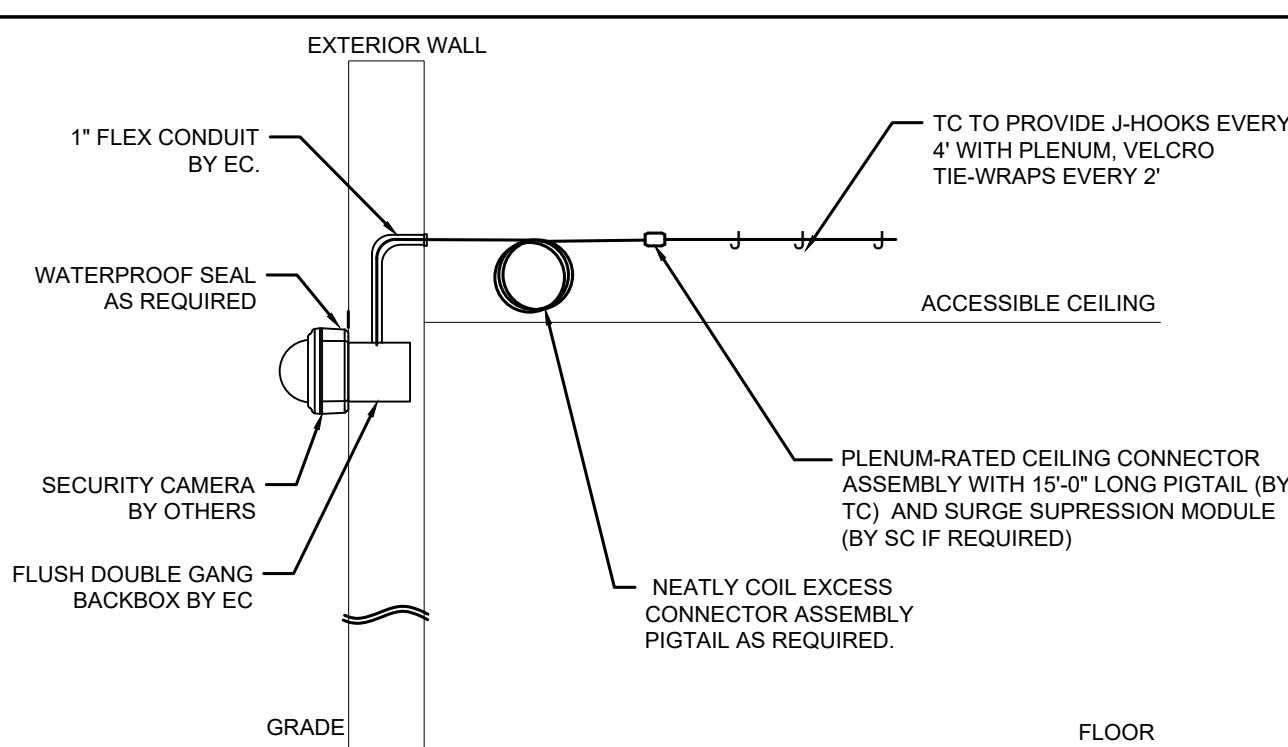
### OPEN CABLE SUPPORT DETAIL



GENERAL NOTES:

- A. SECURITY CAMERA FURNISHED AND INSTALLED OTHERS.
- B. PATCH CABLE SHALL BE PLENUM RATED. TC TO FIELD VERIFY LENGTH REQUIRED BASED ON CONDUIT INSTALLATION.
- C. EXTEND THE CONDUIT TO THE RMR.
- D. BACKBOX SIZE, AND CONDUIT SIZE SPECIFIED BY SECURITY ENGINEER.

## ATM CANOPY MOUNTED SECURITY CAMERA INSTALLATION DETAIL



GENERAL NOTES:

- A. SECURITY CAMERA FURNISHED AND INSTALLED OTHERS.
- B. PATCH CABLE SHALL BE PLENUM RATED.
- C. WHERE A HARD CEILING IS PRESENT NEAR THE CAMERA LOCATION, EC SHALL PROVIDE A 1" FLEXIBLE CONDUIT FROM THE WALL CAVITY TO THE NEAREST ACCESSIBLE CEILING IN THE DIRECTION OF THE RMR/RTR SERVING THE OUTLET.
- D. CAMERA MOUNTING HEIGHT, BACKBOX SIZE, AND CONDUIT SIZE SPECIFIED BY SECURITY ENGINEER.

### EXTERIOR WALL MOUNTED SECURITY CAMERA INSTALLATION DETAIL







## keyplan

sea



site location **JP MORGAN CHASE & CO**  
**908 NW PRYOR RD**  
**LEE'S SUMMIT, MO 64081**

title
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job no. C60025810702

shee

C60025810702

shee

## 2 TYPICAL EQUIPMENT GROUNDING DETAIL

FRONT OF RACK

BLACK PDU

WHITE PDU

PDU MOUNTING BRACKET FURNISHED AND INSTALLED BY TC.

VERTICAL POWER DISTRIBUTION UNITS (PDU) FURNISHED AND INSTALLED BY TC. THE PDU SHALL BE MOUNTED SUCH THAT INPUT POWER CORD SHALL BE LOCATED AT THE BOTTOM OF THE RACK FOR BOTH THE WHITE & BLACK PDU. INPUT CORDS ARE 10' LONG. INPUT POWER SHALL BE 208V, 30A, 1-PHASE.

L14-30

L14-30

DEDICATED L14-30 RECEPTACLES MOUNTED ON INDEPENDENT C-CHANNEL STRUCTURE ON REAR OF RACK. POWER OUTLETS SHALL BE INSTALLED SO THAT THEY ARE FACING OUTWARD TOWARDS THE REAR. FURNISHED AND INSTALLED BY EC. (TYPE OF 2)

**NOTE:** SEE THE RACK EQUIPMENT SCHEDULE ON THE ENLARGED MER/TR PLANS FOR PDU AND PDU MOUNTING BRACKET PART NUMBERS.

**GENERAL PATCH CORD DRESSING NOTES:**

- A. PATCH QUANTITIES SHALL BE CONFIRMED PRIOR TO ORDERING.
- B. DETERMINATION OF PATCH CORD LENGTHS IS THE RESPONSIBILITY OF THE LOW VOLTAGE CONTRACTOR.
- C. PATCH CORDS SHALL BE INSTALLED WITH MINIMAL SLAG.
- D. PATCHING OF WIRELESS ACCESS POINTS AND SECURITY (CCTV) CAMERAS SHALL BE EVENLY DISTRIBUTED ON THE SWITCHES.
- E. PATCH CORDS SHALL BE BUNDLED WITH VELCRO WITHIN VERTICAL WIRE MANAGERS.
- F. PATCH CORDS SHALL BE BUNDLED WITH VELCRO FOR EACH SWITCH.
- G. ON THE CORDS SHALL BE TIED BACK WITHIN VERTICAL MANAGERS.
- H. ELEVATION SHOULD NOT BE USED FOR LENGTH TAKE OFF.
- I. ELEVATION DOES NOT REPRESENT ACTUAL FIELD CONDITION AND SHOULD BE USED FOR REFERENCE INTENT ONLY.

## TYPICAL PATCH CORD DRESSING

EXTEND POWER CORD FROM BEHIND PDU TO POWER CONNECTION ABOVE

RACK MOUNT GROUND BAR

WHITE POWER CORDS

BLACK POWER CORDS

ROUTE POWER CORD ALONG REAR OF PDU AND PDU BRACKET. SECURE WITH VELCRO WIRE MANAGEMENT.

MOUNT OFF 2RU MARK

## SIDE VIEW OF RACK

## REAR VIEW OF RACK

PDU MOUNTING NOTES:

- A. TC SHALL MOUNT BRACKET TO THE INSIDE FACE OF THE REAR RAIL OF THE RACK.
- B. TC SHALL MOUNT PDU TO BRACKET SO OUTLETS ARE FACING OUTSIDE THE RACK.
- C. PLUG STRIP OUTLETS MUST BE FREE & CLEAR AND EASILY ACCESSIBLE.
- D. TC SHALL PROVIDE A LABEL ON EACH PDU INDICATING THE ELECTRICAL CIRCUIT DESIGNATION. ON THE WHITE PDU, THE LABEL BACKGROUND SHALL BE WHITE WITH BLACK TEXT. ON THE BLACK PDU, THE LABEL BACKGROUND SHALL BE BLACK WITH WHITE TEXT.
- E. TC SHALL GROUND THE PDU TO THE RACK-MOUNTED GROUND BAR.
- F. POWER CORD OF PDU IS TO BE MOUNTED SO IT IS AT THE BOTTOM OF THE PDU. THE CORD SHOULD BE NEATLY ROUTED ALONG THE REAR OF THE PDU AND SECURED WITH STRAP TO BE ROUTED TO THE TOP OF THE PDU AND THEN EXTENDED TO THE POWER CONNECTION.

## 2-POST PDU MOUNTING DETAILS

5) SCALE: NON

DETAIL NOTES:

- DEFINITIONS:
- A.1. TELECOMMUNICATIONS BONDING CONDUCTOR (TBC)
  - A.2. SECONDARY BONDING BUSSBAR (SBB)
  - A.3. RACK BONDING BUSSBAR (RBB)
  - A.4. RACK BONDING CONDUCTORS (RBC)
  - A.5. TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR (TEBC)
- B. THE TBC SHALL BE SIZED BASED ON THE CONDUCTOR'S LENGTH. THE CONDUCTOR SHALL BE A STRANDED GROUNDING CONDUCTOR WITH A TWO (2) HOLE COPPER COMPRESSION LUG ON EACH END. PROVIDE A #6AWG FOR LENGTHS UP TO 100FT. #8AWG FOR LENGTHS GREATER THAN 100FT UP TO 200FT. #2AWG FOR LENGTHS GREATER THAN 200FT UP TO 400FT. #1AWG FOR LENGTHS GREATER THAN 400FT UP TO 500FT. #1/2AWG FOR LENGTHS GREATER THAN 500FT UP TO 600FT. #2/3AWG FOR LENGTHS GREATER THAN 600FT UP TO 700FT. #3/4AWG FOR LENGTHS GREATER THAN 700FT UP TO 800FT. AND #10AWG FOR LENGTHS GREATER THAN 800FT.
- C. THE TBC & THE RBC SHALL BE A MINIMUM OF A #8-AWG STRANDED GROUNDING CONDUCTOR AND A TWO (2) HOLE COPPER COMPRESSION LUG ON EACH END.
- D. THE CONTRACTOR IS RESPONSIBLE FOR BONDING SECTIONS OF CABLE TRAY TOGETHER UTILIZING #6-AWG GROUNDING (EARTHING) STRAPS. THEN INSTALLING A #6-AWG GROUNDING (EARTHING) CONDUCTOR BETWEEN THE TRAYS AND THE SBB THAT HAS BEEN INSTALLED IN THE ROOM.
- E. IF GROUNDING (EARTHING) MUST BE APPLIED TO A LOCATION WHERE BARE METAL IS NOT EXPOSED, THE COVERING (E.G. PAINT) SHALL BE FULLY REMOVED TO EXPOSE BARE METAL AND FACILITATE BONDING. AT EACH SUCH BONDING POINT, NO GREATER THAN 12MM (.5IN) AND NO LESS THAN 6MM (.25IN) OF EXPOSED METAL SHALL REMAIN AFTER BONDING IS COMPLETED.
- F. AFTER BOND HAS BEEN MADE, TC SHALL APPLY ANTI-OXIDANT JOINT COMPOUND OVER ANY AREA THAT BARE METAL IS EXPOSED BECAUSE OF SCRAPING.
- G. RACK BONDING BUSSBARS (RBB) SHALL BE INSTALLED IN EACH RACK TO GROUND (EARTH) MULTIPLE PIECES OF EQUIPMENT OR PATCH PANELS FOR SHIELDED CABLING. THE RBB MUST BE BONDED TO THE RACK. THEN TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTORS (TEBC) CONNECT THE RBB ON EACH RACK, TO THE SBB IN THE ROOM.
- H. THE T.C. IS RESPONSIBLE FOR FURNISHING AND INSTALLING A RACK BONDING BUSSBAR (RBB) AT ALL NEW EQUIPMENT RACKS AND CABINETS PER DESIGN DOCUMENTS. EACH RBB SHALL BE BONDED TO THE SBB THAT HAS BEEN INSTALLED IN THE ROOM.
- I. DAISY CHAIN FROM ONE RBB TO NEXT RBB NOT PERMITTED.
- J. A #6-AWG CONDUCTOR SHALL BE BONDED TO EACH RBB, THEN COILED AND STORED NEATLY AT EACH RACK FOR FUTURE USE.
- K. WHEN ARMORED CABLE IS DEPLOYED, IT SHALL BE BONDED TO GROUND (EARTH) AT ONE END IN ACCORDANCE WITH A4J AND IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
- L. MATERIALS SHALL BE AS LISTED OR SHALL BE EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS MEETING THE INTENT AND QUALITY LEVEL OF THIS SPECIFICATION. MATERIALS NOT COMPATIBLE WITH THE END TO END SOLUTION BEING PROPOSED. PROPOSAL FOR EQUIVALENT PRODUCTS MUST BE PRESENTED TO THE OPR BY RFIS, SUBMITTALS, AND/OR SHOP DRAWINGS. OPR WRITTEN APPROVAL IS REQUIRED BEFORE ANY SUBSTITUTIONS ARE MADE.
- M. PROVIDE BONDING OF ALL METAL CONDUITS ENTERING THE ROOM. PROVIDE GROUNDING BUSBARS AS REQUIRED FOR CONNECTION.

## 1 TELECOMMUNICATIONS GROUNDING SCHEMATIC

GROUNDING COMPONENT SCHEDULE				
ITEM	DESCRIPTION	MANUFACTURER	PART NUMBER	PROVIDED BY
①	TBC	N/A	N/A	EC
②	SBB	PANDUIT	GB2B0304TP1	EC
③	RBB	PANDUIT	RGRB19U	TC
④	RBC	PANDUIT OR CPI	GJS6120U OR 40159-009	TC
⑤	TEBC	PANDUIT	GJS6180U	TC
⑥	TWO HOLE LONG BARREL LUGS	PANDUIT	LOC6 SERIES	TC
⑦	TEBC	PANDUIT	GJS6180U	EC
8	SURGE PROTECTION BONDING	N/A	N/A	TC

The diagram illustrates the grounding connections for a building grounding electrode system. Key components and connections include:

- METALLIC CONDUITS ENTERING ROOM:** Connected to the grounding system via a connection point labeled 7.
- #6 AWG GROUND CONDUCTOR:** Multiple conductors (labeled 6) are shown connecting various components to the grounding system.
- CABLE RUNWAY (LADDER RACK):** A horizontal structure with grounding connections labeled 5 and 6.
- EQUIPMENT RACK:** A vertical structure with grounding connections labeled 3, 4, and 5.
- ANY TELECOM SERVICE PROVIDER EQUIPMENT:** A central unit with multiple grounding connections labeled 2 and 5.
- CONNECT EACH CAT 6 AND CAT 6A SURGE PROTECTION DEVICE TO SBB WITH #10AWG GROUNDING CONDUCTOR:** A note indicating the connection of surge protection devices to the system.
- WITHIN RMER:** A note indicating the location of the connection.
- BUILDING GROUNDING ELECTRODE SYSTEM:** The main grounding system, represented by a horizontal line with a ground symbol.

Numbered callouts (1, 2, 3, 4, 5, 6, 7) indicate specific connection points and conductors throughout the diagram.

## EQUIPMENT POWER CONNECTIONS SCHEMATIC

SCALE: NONI

POWER CORD SCHEDULE			
ITEM	DESCRIPTION	MANUFACTURER	PART NUMBER
①	C15 LOCKING TO C14 LOCKING, 2m, BLACK	ZONIT	zlock-zC14-14-4c15-2m
②	C13 LOCKING TO C14 LOCKING, 2m, BLACK	ZONIT	zlock-zC14-14-4c13-2m
③	C15 LOCKING TO C14 LOCKING, 2m, WHITE	ZONIT	zlock-zC14-14-4c15-2m-WH
④	C13 LOCKING TO C14 LOCKING, 2m, WHITE	ZONIT	zlock-zC14-14-4c13-2m-WH
⑤	CORD PROVIDED WITH EQUIPMENT	N/A	N/A

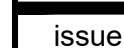
NOTE: The "2m" WITHIN THE PART NUMBER INDICATES LENGTH. THE LENGTH ORDERED BY THE IMPLEMENTATION TEAM MAY VARY BY PROJECT BASED ON PRODUCT AVAILABILITY.

NOTE: THE "2m" WITHIN THE PART NUMBER INDICATES LENGTH. THE LENGTH ORDERED BY THE IMPLEMENTATION TEAM MAY VARY BY PROJECT BASED ON PRODUCT AVAILABILITY.



## keyplan

seal



site location	<b>JP MORGAN CHASE &amp; CO 908 NW PRYOR RD LEE'S SUMMIT, MO 64081</b>
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title	<p><b>AV SOLUTION #3</b></p> <p><b>75" DISPLAY</b></p> <p><b>CUSTOM MILLWORK</b></p>
-------	--

sheet

# TC-501









keyplan

sea

[illegible]

site location	<b>JP MORGAN CHASE &amp; CO</b> <b>908 NW PRYOR RD</b> <b>LEE'S SUMMIT, MO 64081</b>
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designed	KB	date	03.02.2022	drawn	KE
checked	CC	scale	AS NOTED		

title
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## TELECOM MATERIALS AND PATCH PANEL SCHEDULES

job no. C60025810702

shee

# TC-601

CATEGORY	MATERIAL	MANUFACTURER	MODEL NUMBER	QTY	EXT	NOTES	
COPPER CABLEING	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, NON-PLENUM RATED HORIZONTAL UTP GRAY CABLE	COMMSCOPE/SYSTEMAX	700211932 (REEL)	#	LF		
	CATEGORY 6, NON-PLENUM RATED HORIZONTAL UTP GRAY CABLE	COMMSCOPE/SYSTEMAX	700211931 (BOX)	#	LF		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C13-03N006	5	EA		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C13-03T005	7	EA		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C13-03T007	56	EA		
	CATEGORY 6 PATCH CORD SLATE	COMMSCOPE/SYSTEMAX	CP3C13-03T015	29	EA		
	CATEGORY 6A, PLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/SYSTEMAX	760105940 (REEL)	#	LF		
	CATEGORY 6A, PLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/SYSTEMAX	760107268 (BOX)	#	LF		
	CATEGORY 6A, NON-PLENUM RATED, HORIZONTAL UTP WHITE CABLE	COMMSCOPE/SYSTEMAX	760108187	#	LF		
	CATEGORY 6A, PATCH CORD WHITE	COMMSCOPE/SYSTEMAX	CP6CSX2-08F005	1	EA		
	CATEGORY 6A, PATCH CORD WHITE	COMMSCOPE/SYSTEMAX	CP6CSX2-08F007	16	EA		
	CATEGORY 6A, PATCH CORD WHITE	COMMSCOPE/SYSTEMAX	CP6CSX2-08F010	20	EA		
	CATEGORY 6A, PLENUM RATED, HORIZONTAL F/UTP BLUE CABLE	COMMSCOPE/SYSTEMAX	UN674034704	#	LF		
	CATEGORY 6, OSP RATED, HORIZONTAL UTP CABLE	COMMSCOPE/SYSTEMAX	760088888	#	LF		
	CATEGORY 6, OSP RATED, PATCH CORD BLACK	COMMSCOPE/SYSTEMAX	CO155X2-01T007	1	EA		
	CATEGORY 6A, OSP RATED, HORIZONTAL UTP CABLE	COMMSCOPE/SYSTEMAX	760178129	#	LF		
	CATEGORY 6A, OSP RATED, PATCH CORD BLACK	COMMSCOPE/SYSTEMAX	CO155X2-01T007	2	EA		
	FACEPLATE AND BOXES	SHIELDED 22/2 PAIR CABLING	BELDEN	9451	#	LF	
CAT 6 RJ45 JACK (GREY)		COMMSCOPE/SYSTEMAX	700206733	74	EA		
CAT 6 RJ45 JACK (ORANGE)		COMMSCOPE/SYSTEMAX	700206683	8	EA		
CAT 6 RJ45 JACK (PURPLE)		COMMSCOPE/SYSTEMAX	700206675	4	EA		
CAT 6A RJ45 JACK (GREEN)		COMMSCOPE/SYSTEMAX	760052403	31	EA		
CAT 6A RJ45 JACK (WHITE)		COMMSCOPE/SYSTEMAX	760052429	5	EA		
WALL MOUNTED FACEPLATE, 4-PORT		COMMSCOPE/SYSTEMAX	106166543	32	EA		
2-PORT NON-PLENUM RATED SURFACE MOUNT BOX		COMMSCOPE/SYSTEMAX	107394056	1	EA		
CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 18" LONG PIGTAIL		COMMSCOPE/SYSTEMAX	760235692	6	EA		
CATEGORY 6A PLENUM RATED CEILING CONNECTOR ASSEMBLY WITH 15.5" LONG PIGTAIL		COMMSCOPE/SYSTEMAX	CO15L02-88F015	20	EA		
BRUSHED DECORA STYLE PASSTHROUGH FACEPLATE		LEVITON	4107B-DBW				
GROUNDING & BONDING		RACK MOUNTED EQUIPMENT GROUND KIT W/ 30B" JUMPER	PANDUIT OR CPI	G-581320U OR 44209-20W	8	EA	
		RUSBAR-TO-RACK GROUND BAR KIT W/ 15' JUMPER	PANDUIT	G-58180U	4	EA	
		RACK MOUNTED HORIZONTAL GROUNDING BUSBAR KIT (SEE GROUNDING SCHEMATIC)	PANDUIT	RGR6R19U	2	EA	
		TWO HOLE LONG BARREL LUG	PANDUIT	LC653SR05	#	EA	
		2-POST RACK, 43RU, BLACK FINISH	CPI	66353-703	2	EA	
		6" WIDE, DOUBLE-SIDED VERTICAL CABLE MANAGER, BLACK FINISH	CPI	30996-703	3	EA	
		10" WIDE, DOUBLE-SIDED VERTICAL CABLE MANAGER, BLACK FINISH	CPI	30996-703	1	EA	
		2RU HORIZONTAL CABLE MANAGER, BLACK FINISH	CPI	30130-719	5	EA	
		MODULAR, ANGLED, 48-PORT PATCH PANEL	COMMSCOPE/SYSTEMAX	760187211	2	EA	
	MODULAR, ANGLED, 24-PORT PATCH PANEL	COMMSCOPE/SYSTEMAX	760187203	1	EA		
EQUIPMENT ROOM/RACK AND ASSOCIATED COMPONENTS	RACK MOUNTED HORIZONTAL GROUNDING BUSBAR KIT (SEE GROUNDING SCHEMATIC)	PANDUIT	RGR6R19U	1	EA		
	(1) WHITE AND (1) BLACK VERTICAL POWER DISTRIBUTION UNIT, 2-PAK	CPI	EA-308T-GE	1	EA		
	MOUNTING BRACKET BLACK	CPI	TS1012713	1	EA		
	MOUNTING BRACKET WHITE	CPI	TS1012713	1	EA		
	2RU BLACK PANEL - BLACK FINISH	CPI	30024-702	2	EA		
	12" WIDE LADDER RACK - BLACK/FINISH	CPI	10250-712	15	LF		
	LADDER RACK STRINGER RADIUS DROP 10.3" W - 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	1	EA		
	SERVER MOUNTING BRACKET	CPI	12751-719	1	EA		
	C14-C15 LOCKING POWER CORD (BLACK) 2 METER	ZONIT	(1) ZL0C-C14-C14-AC15-2m	1	EA		
	C14-C15 LOCKING POWER CORD (WHITE) 2 METER	ZONIT	(1) ZL0C-C14-C14-AC15-2m-WH	2	EA		
	C14-C15 LOCKING POWER CORD (BLACK) 2 METER	ZONIT	(1) ZL0C-C14-C14-AC13-2m-WH	1	EA		
	C14-C15 LOCKING POWER CORD (WHITE) 2 METER	ZONIT	(1) ZL0C-C14-C14-AC13-2m-WH	2	EA		
	CAT 6 SURGE PROTECTION DEVICE	ITW	CAT6-78	1	EA		
	CAT 6A SURGE PROTECTION DEVICE	ITW	CAT6A-75	2	EA		
	4" PRE-MANUFACTURED FIRE RATED SLEEVE	STI	E2Z4482	2	EA		
	WATERFALL ADAPTER	STI	E2RC24448	3	EA		
FIRE RATED SLEEVES	MULTI-GANG PLATE	STI	E2P544W	2	EA		
	4" PRE-MANUFACTURED FIRE RATED SLEEVE/FOR SECURITY CABLING	STI	E2QP4452	1	EA		
	2" PRE-MANUFACTURED FIRE RATED SLEEVE	STI	E2Q22	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.

## PROJECT BILL OF MATERIALS

1 SCALE:

PORT #	LOCATION	ITEM	LABEL
1	PCS 6 105	DATA OUTLET	MQA01
2	LAO / CASH 113	DATA OUTLET	MQA02
3	PCS 7 106	DATA OUTLET	MQA03
4	PCS 3 102	DATA OUTLET	MQA04
5	PCS 1 116	DATA OUTLET	MQA05
6	CONFERENCE / PCS 2 101	DATA OUTLET	MQA06
7	CONFERENCE / PCS 2 101	DATA OUTLET	MQA07
8	CONFERENCE / PCS 2 101	DATA OUTLET	MQA08
9	LOBBY 117	DATA OUTLET	MQA09
10	LOBBY 117	DATA OUTLET	MQA10
11	LOBBY 117	DATA OUTLET	MQA11
12	LOBBY 117	DATA OUTLET	MQA12
13	LOBBY 117	DATA OUTLET	MQA13
14	LOBBY 117	DATA OUTLET	MQA14
15	PRINT/ FILE 115	DATA OUTLET	MQA15
16	PRINT/ FILE 115	DATA OUTLET	MQA16
17	PRINT/ FILE 115	DATA OUTLET	MQA17
18	ACCESS TELLER 114	DATA OUTLET	MQA18
19	ACCESS TELLER 114	DATA OUTLET	MQA19
20	ACCESS TELLER 114	DATA OUTLET	MQA20
21	LAO / CASH 113	DATA OUTLET	MQA21
22	LAO / CASH 113	DATA OUTLET	MQA22
23	BOOTH 4 103	DATA OUTLET	MQA23
24	BOOTH 5 104	DATA OUTLET	MQA24
25	RMER / DATA 112	DATA OUTLET	MQA25
26	RMER / DATA 112	DATA OUTLET	MQA26
27	RMER / DATA 112	DATA OUTLET	MQA27
28	RMER / DATA 112	DATA OUTLET	MQA28
29	RMER / DATA 112	DATA OUTLET	MQA29
30	RMER / DATA 112	WALL PHONE	MQA30
31	PRINT/ FILE 115	WALL PHONE	MQA31
32	MANUAL TRANSACTION 118	WALL PHONE	MQA32
33	EQUIPMENT ROOM 117	WALL PHONE	MQA33
34	LOUNGE 110	WALL PHONE	MQA34
35	MANUAL TRANSACTION 118	TELLER DATA OUTLET	MQA35
36	MANUAL TRANSACTION 118	TELLER DATA OUTLET	MQA36
37	MANUAL TRANSACTION 118	TELLER DATA OUTLET	MQA37
38	EQUIPMENT ROOM 117	ATM DATA OUTLET	MQA38
39	LOBBY 117	ATM DATA OUTLET	MQA39
40	LOBBY 117	FUTURE ATM OUTLET	MQA40
41	SITE	DU ATM DATA OUTLET	MQA41
42			
43			
44			
45			
46			
47	RMER / DATA 112	CARRIER EXTENSION DATA OUTLET	MQA47
48	RMER / DATA 112	CARRIER EXTENSION DATA OUTLET	MQA48

PORT #	LOCATION	ITEM	LABEL
1	LOBBY 117	WAP #1	MCB01
2	LIVING ROOM	WAP #2	MCB02
3	PCS 7	WAP #3	MCB03
4	ACCESS TELLER	WAP #4	MCB04
5	LOUNGE	WAP #5	MCB05
6			
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## PROJECT PANEL SCHEDULE

②



Definition and Checklist for RMER & RTR Room Acceptance
Stage 1 of 2: Room Ready

Room Name/Number
Floor
Punch List Date
Punch List Complete Date
Acceptance Walkthrough

Address:
City:
State:
Property ID:
GTI - Implementation PM:
WDCS Rep:
RRE PM Rep:

General Construction

Scheduled Date	Verified Complete Date	Inspection Item Description	Exceptions: SNOW SCTASK #	WDCS (Retail SCE / RSD / GTI Implementation PM)	RRE (LPMG Real Estate, JLL or CBRE PM)
		Walls completed with final painting and built deck to deck.			
		Walls are built with 5/8" Type X gypsum drywall board from the floor to the underside of the deck or greater if local code is more stringent.			
		Permanent door and hardware installed. This should include the automatic closer and door sweep. Temporary lock core is acceptable.			
		Ceiling has been encapsulated to prevent firestopping from flaking and creating dust in the room.			
		Plywood backboards have been installed and painted with fire retardant paint and 1 fire-rating certification stamp is left unpainted.			
		Sealed concrete flooring is completely installed. Architect shall define the seal type (acrylic, epoxy, polyurethane, or siloxane) sealer.			
		RMER/RTR is vacuumed, broom swept, and cleaned to a level that is adequate to safely maintain space for pulling and terminating copper and fiber cabling.			
		Any openings or penetrations through walls have been sealed with firestop.			

Approval Initials

Mechanical/Electrical/Plumbing

Scheduled Date	Verified Complete Date	Inspection Item Description	Exceptions: SNOW SCTASK #	WDCS (Retail SCE / RSD / GTI Implementation PM)	RRE (LPMG Real Estate, JLL or CBRE PM)
		Electrical distribution on permanent power.			
		Power receptacles should be mounted above racks on an independent C-channel (unistrut). Provide dedicated circuits with dedicated neutral and equipment grounding conductor (EGC). No Isolated Ground (IG) circuits unless required for specific equipment.			
		All power outlets have been installed, energized, tested, & labeled. Power receptacles shall be labeled with panel ID and circuit #.			
		Permanent lighting and switches installed. Lighting located in aisle ways and coordinated with rack and/or cabinet layout.			
		Wall mounted grounding bus bar inside RMER/RTR has been installed and connected to the building grounding system.			
		Fire alarm/smoke detection devices (if required for project) are installed and wired, in the RMER/RTR.			
		All conduits & sleeves have been completely installed, grounded & labeled in compliance with Retail Structured Cabling standard.			
		Backboxes have been roughed-in for Access Control, IP-CCTV & Intrusion Detection systems; inclusive of panels and power.			
		Cages over sprinkler heads installed.			
		Dedicated cooling unit has been installed, including leak detection, pipes, valves, drip pans, ductwork, condensate piping, and drains. Cooling unit designed to maintain ASHRAE standard for temperature and humidity.			
		All duct work & diffuser installations have been completed & fire dampers installed where required to maintain fire rating of room.			
		BMS devices installed and wired to equipment (If required).			
		Piping at cooling units hydrostatically pressure tested throughout.			
		Cooling units fully commissioned and operational 24 x 7.			
		Security camera locations have the pathways roughed-in (if required) and cabling installed			

Approval Initials

Technology - Structured Cabling

Scheduled Date	Verified Complete Date	Inspection Item Description	Exceptions: SNOW SCTASK #	WDCS (Retail SCE / RSD / GTI Implementation PM)	RRE (LPMG Real Estate, JLL or CBRE PM)
		Racks have been bolted to the floor in their final position and cable managers have been installed per the TC drawings (enlarged RMER/RTR floor plan and rack elevations). Seismic bracing installed on racks if required. All clearances within the RMER/RTR as per drawings have been validated.			
		Pathways outside the RMER/RTR are installed including; J-hooks, sleeves, and any conduit pathways.			
		Ladder rack within the room has been installed.			
		Carrier cabling is pulled into room, terminated, tested, and labeled. (If applicable).			


Approval Initials

Acceptance Sign-Off

WDCS:
RRE:
Date:
Date:

Comments

Definition and Checklist for RMER & RTR Room Acceptance Stage 2 of 2: Production Ready									
Address: _____ City: _____ State: _____ Property ID: _____ STI - Implementation PM: _____  WDCS Rep: _____ <i>(First name, Last Name, SID)</i>					Room Name/Number _____ Floor _____ Punch List Date _____ Punch List Complete Date _____ Acceptance Walkthrough _____  RRE PM Rep: _____ <i>(First name, Last Name, SID)</i>				
General Construction									
Scheduled Date	Verified Complete Date	Inspection Item Description			Exceptions: SNOW SCTASK #	WDCS <small>(Retail SCE / RSO / STI- Implementation PM)</small>	RRE <small>(JPMC Real Estate, JLL or CBRE PM)</small>		
		Temporary lock core has been changed to JPMC lock core.							
Mechanical/Electrical/Plumbing									
Scheduled Date	Verified Complete Date	Inspection Item Description			Exceptions: SNOW SCTASK #	WDCS <small>(Retail SCE / RSO / STI- Implementation PM)</small>	RRE <small>(JPMC Real Estate, JLL or CBRE PM)</small>		
		BMS system operational (If required). (Not monitored)							
Security									
Scheduled Date	Verified Complete Date	Inspection Item Description			Exceptions: SNOW SCTASK #	WDCS <small>(Retail SCE / RSO / STI- Implementation PM)</small>	RRE <small>(JPMC Real Estate, JLL or CBRE PM)</small>		
		Security cameras are installed, online, calibrated, and viewable in the March Network NVR remote viewing software.							
		Door alarms for the branch are enabled.							
Technology - Structured Cabling									
Scheduled Date	Verified Complete Date	Inspection Item Description			Exceptions: SNOW SCTASK #	WDCS <small>(Retail SCE / RSO / STI- Implementation PM)</small>	RRE <small>(JPMC Real Estate, JLL or CBRE PM)</small>		
		Room ready data cleaning completed; room is clean and dust free. (Based on SECTION 27 05 03 Requirements)							
		All rack-mounted ground bars have been grounded to the wall mounted ground bus bar.							
		Overhead pathways (ladder racks) have been grounded within the RMER/RTR.							
		Armored communications cable jackets (if any) have been grounded.							
		The grounding connections have been connected to the Network Electronics (switches & routers).							
		Cabling and wallphone plate installed for wall phone(s). Wall phone installed inside room and operational.							
		Backbone cabling (copper/fiber) installation between RMER and RTR (if applicable).							
		Cabling installed, routed, and supported utilizing strain relief in a neat manner that does not block equipment mounting space or interfere with other systems.							
		Structured cabling installation complete (terminated, labeled, & tested) in RMER/RTR.							
		No plastic tiewraps used to manage power or communications cabling slack or bundles.							
		Equipment racks, fiber enclosures (if applicable), and patch panels labeled as per the Retail Structured Cabling labeling standard.							
		Power distribution units (PDUs) mounted to racks & plugged into outlets, or plugged into UPS per design requirements.							
		All equipment power cords are neatly managed.							
		All network equipment racked in their final positions per the rack elevations on the TC drawings.							
		All technology equipment patched and all patching utilizes cable management pathways & is neatly managed.							
		Patch cable slack does not exceed more than 1' on either end of the cable.							
		No cables (horizontal, patch, or backbone) are blocking fan trays or blocking equipment mounting spaces.							
		The JPMC Structured Cabling Engineer has received and reviewed structured cabling test results.							
		As-built of floor plan with all telecom outlets labeled has been printed out and mounted to the wall.							
		Any punch list items found upon cable test review have been corrected.							
		Carrier equipment is installed and tested by the carrier and JPMC Network Engineer in its designated position.							
Technology - Remote Site Operations									
Scheduled Date	Verified Complete Date	Inspection Item Description			Exceptions: SNOW SCTASK #	WDCS <small>(Retail SCE / RSO / STI- Implementation PM)</small>	RRE <small>(JPMC Real Estate, JLL or CBRE PM)</small>		
		All powered IT equipment, aside from audio-visual or carrier equipment, must be labeled with the devices hostname and a yellow asset tag on the front side of the device. A machine generated label indicating the serial number of the device shall also be placed on the front side of the device.							
		All racks or cabinets have a yellow asset tag at the top of the front door and all racks must have a yellow asset tag at the top front in a visible area that can be easily accessed with a barcode scanner.							
		All assets have been entered into the asset management system software and the equipment inventoried in the room matches the inventory in the asset management system software.							
		All WDCS signage has been installed within the room, including red box, bar code scanner, and labels.							
Acceptance Sign-Off									
WDCS: _____ <i>(first and last name of approver)</i>					Date: _____				
RRE: _____ <i>(first and last name of approver)</i>					Date: _____				
Comments									
Note 1	_____								
Note 2	_____								
Note 3	_____								
Note 4	_____								
Note 5	_____								
Note 6	_____								
Note 7	_____								
Note 8	_____								
Note 9	_____								
Note 10	_____								

JPMORGAN CHASE & CO					
GLOBAL TECHNOLOGY INFRASTRUCTURE END USER SERVICES WORKPLACE & DATA CENTER SERVICES STRUCTURED CABLING ENGINEERING 1111 POLARIS PARKWAY, COLUMBUS, OHIO 43240					
NEW RETAIL BRANCH PRYOR RD. AND LOWENSTEIN DR.					
keyplan					
seal					
					
issue					
no	date	issue			by
	03.02.2022	ISSUED FOR PERMIT/BID			KB
site location JP MORGAN CHASE & CO 908 NW PRYOR RD LEE'S SUMMIT, MO 64081					
designed	KB	date	03.02.2022	drawn	KB
checked	CC	scale	AS NOTED		
title					
ROOM READY & PRODUCTION READY CHECKLISTS					
job no.  C60025810702					
sheet					
TC-602					