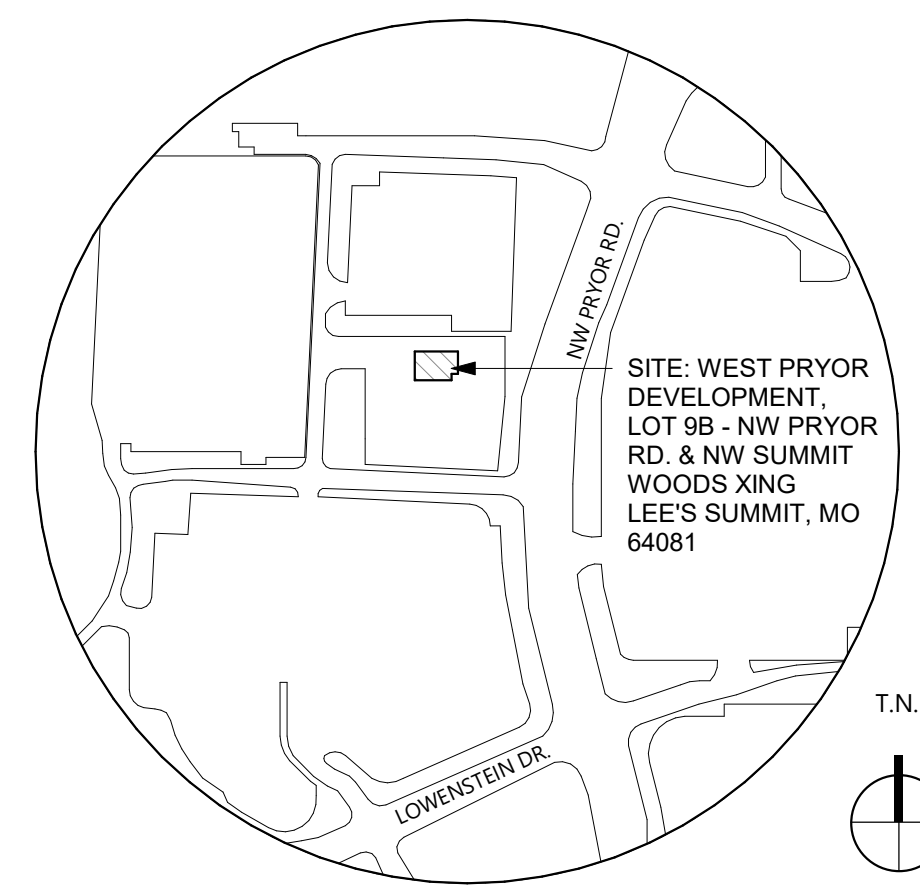


PNC MO LEE'S SUMMIT GROUND UP BRANCH



LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT 9A
NEW PRYOR RD. & NW SUMMIT WOODS XING

RS&H JOB NO.: 524-0368-028

ISSUE DATE: 03/17/2022

DRAWING ISSUE: PERMIT DOCUMENT COMMENT RESPONSE 01

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ID200	INTERIOR FINISH PLAN		
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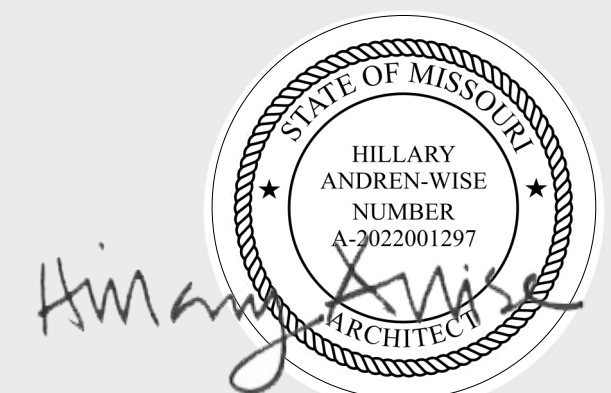
MO LICENSE Nos. 2003019617 * 2003019636

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ARCHITECTURE | ENGINEERING | CONSULTING

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ARCHITECTURAL ABBREVIATIONS	
&	AND
@	AT
Ø	DIAMETER
A.B.	ANCHOR BOLT
A/C	AIR CONDITIONER
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AF	ABOVE FINISHED FLOOR
A.F.S.	ABOVE FLOOR SLAB
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ANOD.	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX.	APPROXIMATE OR APPROXIMATELY
ARCH	ARCHITECTURE, ARCHITECTURAL
AVG	AVERAGE
A.W.I.	ARCHITECTURAL WOODWORK INSTITUTE
B.H.M.I.	BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION, INC.
BIM	BUILDING INFORMATION MODELING
BLDG.	BUILDING
BM.	BEAM
B.O.	BOTTOM OF
B.U.R.	BUILT-UP ROOFING
∅	CENTERLINE
∅O.T.S.	CENTERLINE OF TENANT SEPARATION
C.J.	CONTROL JOINT
CLG.	CEILING
CLR	CLEAR
CLO.	CLOSET
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
COL.S.	COLUMNS
CONC.	CONCRETE
CONT.	CONTINUOUS
D.S.	DOWNSPOUT
DIA.	DIAMETER
DR.	DOOR
DTL. OR DET.	DETAIL
DWG.	DRAWING
EA.	EACH
E.F.S.	EXTERIOR FACE OF SHEATHING
E.J.	EXPANSION JOINT
ELEC.	ELECTRIC, ELECTRICAL
ELEV.	ELEVATION
E.O.S.	EDGE OF SLAB
ENG.	ENGINEER, ENGINEERING
E.P.	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.R.D.	EMERGENCY ROOF DRAIN
E.T.D.	ESTIMATED TRAVEL DISTANCE
E.W.C.	ELECTRIC WATER COOLER
EXIST.	EXISTING
EXP.	EXPANSION, EXPOSED
EXT.	EXTERIOR
F.D.	FIRE DAMPER, FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN.	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
F.F.	FINISHED FLOOR
F.F.E.	FINISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN.	FINISH, FINISHED
FLR.	FLOOR
F.O.	FACE OF
F.O.B.	FACE OF BRICK
F.O.P.	FACE OF POST
FT.	FEET
FTG.	FOOTING
F.V.	FIELD VERIFY
FRP	FIBER REINFORCED PANEL
GA	GUAGE
GALV.	GALVANIZED
GBF	GYPNUM BOARD FURRING
GL.	GLASS
G.P.	GLOSSY PAINT
GYP.	GYPNUM
GWB	GYPNUM WALL BOARD
HB	HOSE BIBB
HDW	HARDWARE
HGT. OR HT.	HEIGHT
HKS	HOOKS
HM	HOLLOW METAL
HORIZ.	HORIZONTAL
HVAC	HEATING VENTILATION & AIR CONDITIONING
I.D.	INSIDE DIAMETER
I.F.S.	INTERIOR FACE OF STUD
i.e.	THAT IS, SUCH AS
IN.	INCH, INCHES
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
JAN.	JANITOR
JST.	JOIST
K.P.	KICK PLATE
LAM.	LAMINATE
LAV.	LAVATORY
LB.	ROUND
LDG.	LANDING
LONG.	LONGITUDINAL
LT.	LIGHT
L.TG.	LIGHTING
LRV.	LOUVER
LVT	LUXURY VINYL TILE
LVP	LUXURY VINYL PLANK

ARCHITECTURAL ABBREVIATIONS	
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL, ELECTRICAL & PLUMBING
MEP.	MANUFACTURER
MFR.	MANAGER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.O.	MODIFIED
MOD.	METAL
MTL.	METAL WALL PANEL
MWP.	
	NUMBER
NO.	NOT APPLICABLE
N/A.	NATIONAL FIRE PROTECTION ASSOCIATION
NFPA	NOT IN CONTRACT
N.I.C.	NOT TO SCALE
N.T.S.	
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OPG.	OPENING
OPP.	OPPOSITE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
OVHD	OVERHEAD
PDU	POWER DISTRIBUTION UNIT
P.LAM.	PLASTIC LAMINATE
PLYWD.	PLYWOOD
PNL.	PANEL
PR.	PAIR
PRE-FAB.	PRE-FABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT.	PAINT, PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
Q.T.	QUARRY TILE
R.	RADIUS
R.A.F.	RAISED ACCESS FLOOR
R.A.G.	RETURN AIR GRILLE
RB	RUBBER BASE
RECEP.	RECEPTION, RECEPTIONIST
REF.	REFRIGERATOR, REFER, REFERENCE
REIN.	REINFORCING, REINFORCEMENT
REQD.	REQUIRED
REV.	REVISED, REVISION
R.D.	ROUGH OPENING
R.O.	ROUGH OPENING
SC	SEALED CONCRETE
SCHED.	SCHEDULE
SCW	SOLID CORE WOOD
SECT.	SECTION
S.F.	SQUARE FEET
SFRM	SPRAYED FIRE RESISTIVE MATERIAL
S.G.P.	SEMI-GLOSS PAINT
S.I.	SQUARE INCHES
SQ. IN.	SHEET
SHT.	SHEETS
SHTS.	SIMILAR
SIM.	SPECIFICATIONS
SPECS	SERVICE SINK
S.S.	SOUND TRANSMISSION CLASS
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUC.	STRUCTURAL, STRUCTURE
SUSP.	SUSPENDED
SQ.	SQUARE
T&G	TONGUE & GROOVE
TEL.	TELEPHONE
TG	TEMPERED GLASS
T.O. STL.	TOP OF STEEL
T.O.B.	TOP OF BRICK, TOP OF BEAM
T.O.S.	TOP OF STEEL, TOP OF SLAB
T.O. SH.	TOP OF SHEATHING
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.L.	UNDERWRITERS LABORATORIES
U.O.N.	UNLESS OTHERWISE NOTED
VCT OR VT	VINYL COMPOSITION TILE
VB	VAPOR BARRIER
VDC	VIRTUAL DESIGN & CONSTRUCTION
VERT.	VERTICAL
VR	VIRTUAL REALITY
W/	WITH
W.C.	WATER CLOSET
WCO	WALL CLEANOUT
WMP	WIRE MESH PARTITION
WD	WOOD
WVF	WELDED WIRE FABRIC
YD.	YARD

PLAN SYMBOLS	
BUILDING SECTION	CALLOUT HEAD & REGION
DETAIL SECTION	DOOR TAG
ELEVATION - EXTERIOR	ELEVATION - INTERIOR
KEYNOTE	LEVEL HEAD
NORTH ARROW	REVISION TAG
ROOM TAG	ROOM TAG W/ AREA
SPECIALTY EQUIPMENT TAG	VIEW REFERENCE
VIEW TITLE	WALL & CURTAIN WALL TAG
WALL SECTION	WINDOW & LOUVER TAG

MATERIAL SYMBOLS			
1-HOUR RATED WALL	2-HOUR RATED WALL	3-HOUR RATED WALL	SMOKE RATED WALL
BATT INSULATION	CONCRETE	EARTH	EXPOSED & FINISHED WOOD TRIM
GRASS	GRAVEL	GYPNUM / PLASTER	MASONRY - BRICK
MASONRY - CONCRETE BLOCK	PLYWOOD	RIGID INSULATION	STEEL
STUCCO / E.I.F.S.	TILE / CARPET		

XX DRAWING TITLE
SCALE: 1/8" = 1'-0"

XXX

Matchline
SEE XXXA101

X1

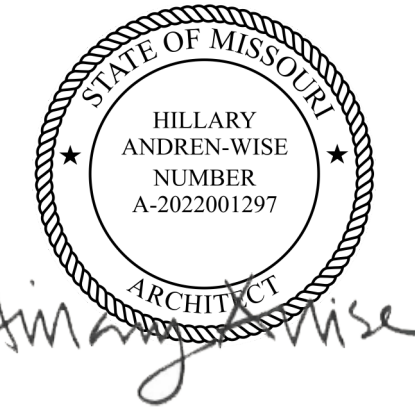


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PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

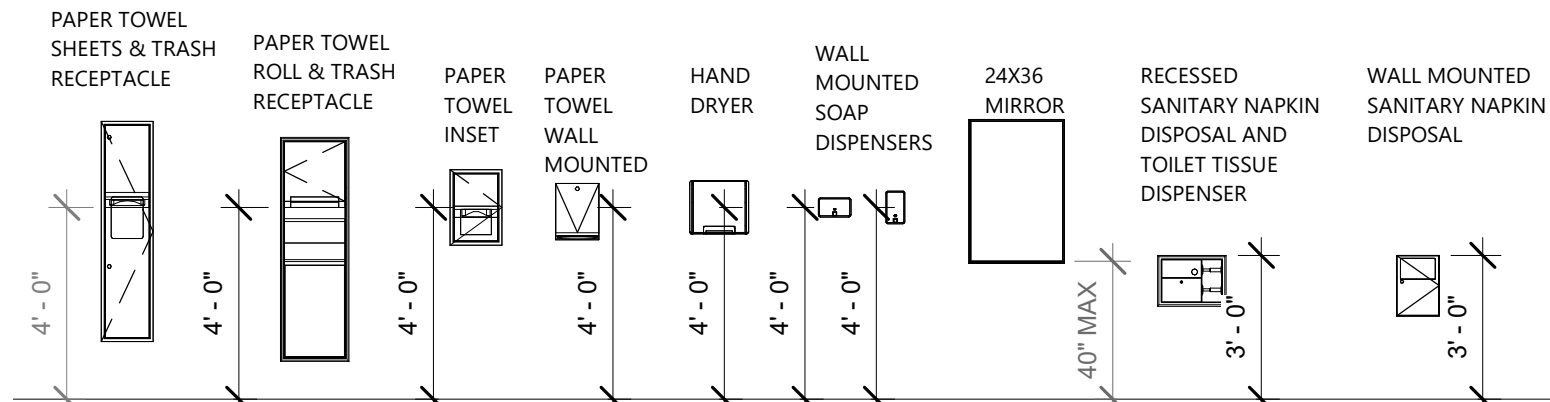
DATE ISSUED: 02/15/2022
REVIEWED BY: HAW
DRAWN BY: CJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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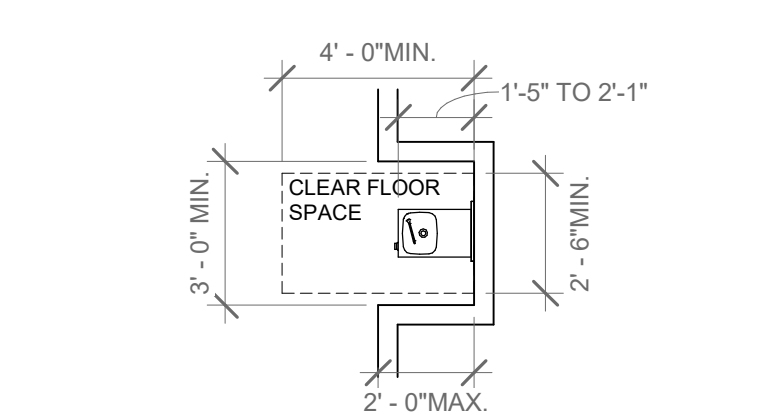
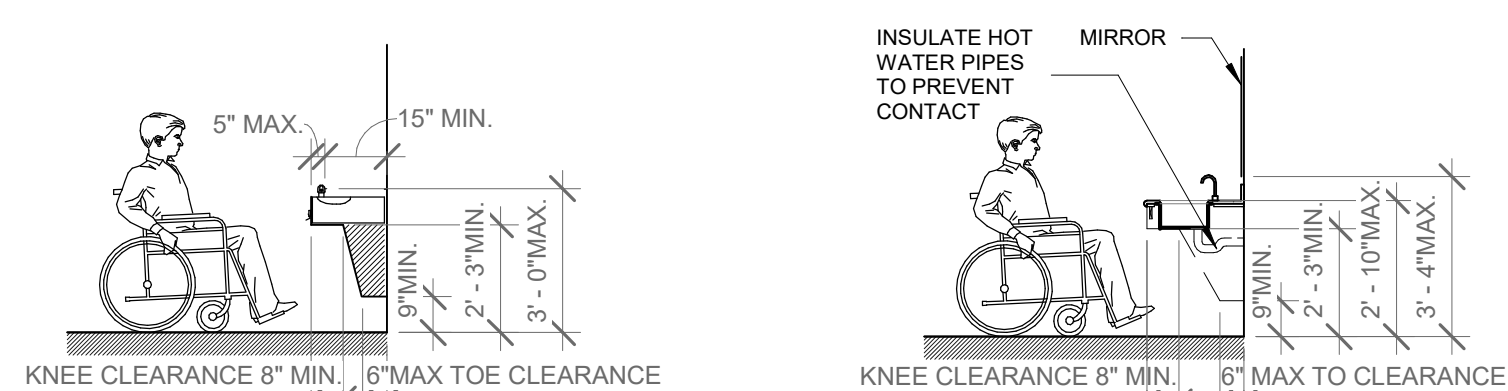
SHEET TITLE:
GENERAL NOTES,
ABBREVIATIONS AND
SYMBOLS

SHEET ID:
G002

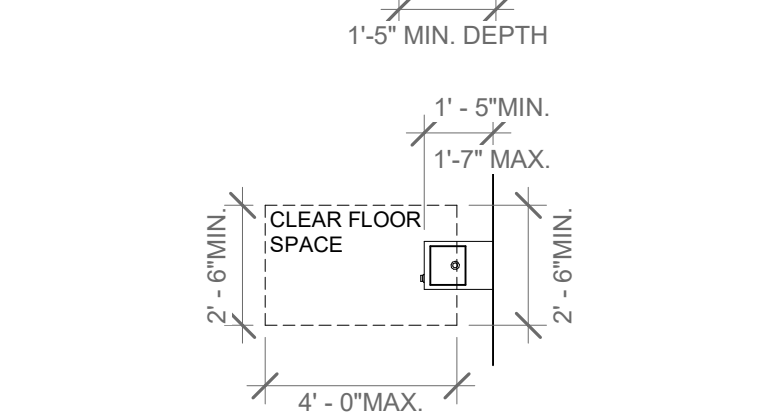
PROJECT STATUS:
PERMIT DOCUMENTS



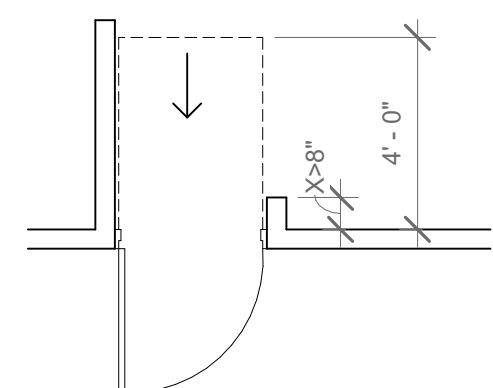
1 BATHROOM ACCESSORIES
1/4" = 1'-0"



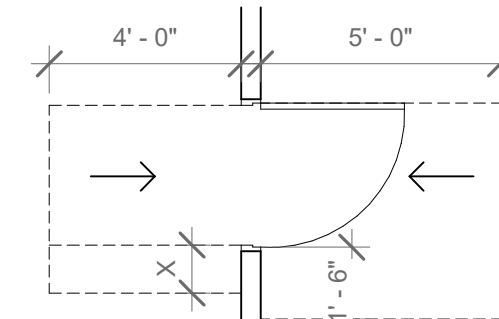
4 DRINKING FOUNTAIN
1/4" = 1'-0"



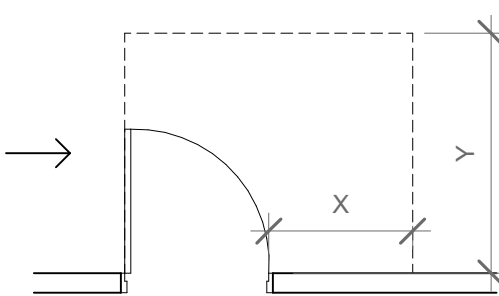
5 SINK OR VANITY
1/4" = 1'-0"



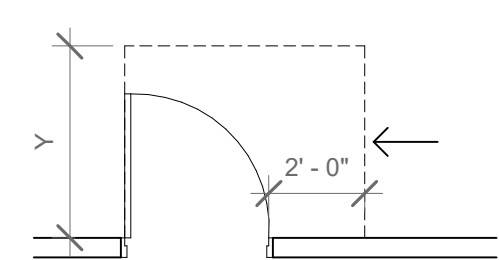
NOTE: IF X IS > THAN 8" THEN FORWARD APPROACH SHALL BE USED WITH NO SIDE CLEARANCE PROVIDED NO LATCHSET IS USED. OR A SIGN IS PROVIDED STATING "DOOR SHALL REMAIN OPEN DURING BUSINESS HOURS".



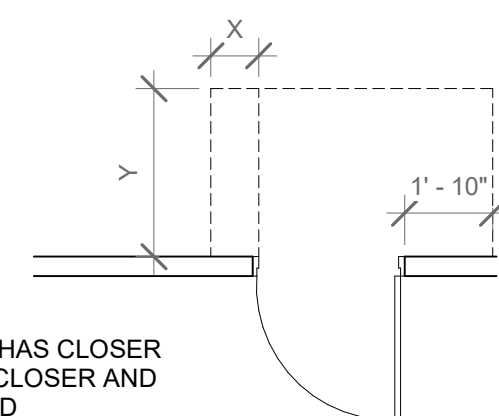
NOTE: X=1'-0" IF DOOR HAS BOTH A CLOSER AND A LATCH



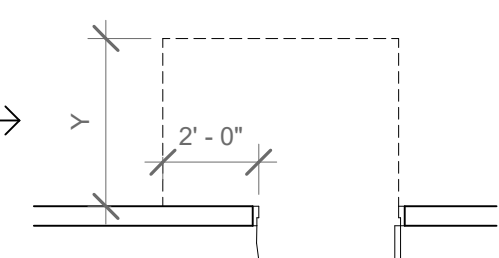
NOTE: X=3'-0" MIN. IF Y=5'-0" X=3'-6" MIN. IF Y=4'-6"



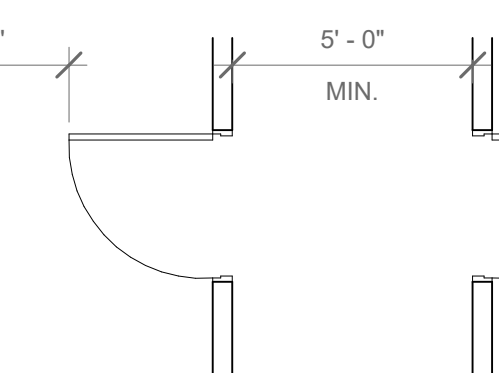
NOTE: Y=4'-0" MIN. IF DOOR HAS CLOSER



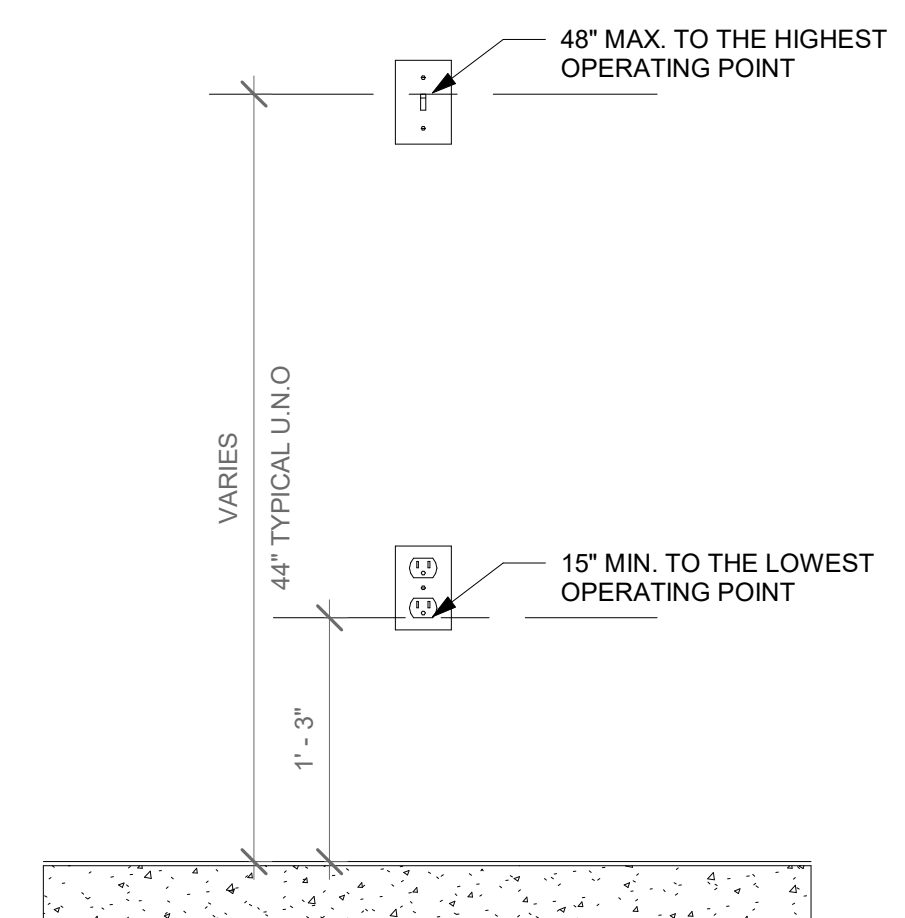
NOTE: Y=3'-6" MIN. Y=4'-0" MIN. IF DOOR HAS CLOSER X=1'-0" MIN. IF BOTH CLOSER AND LATCH ARE PROVIDED



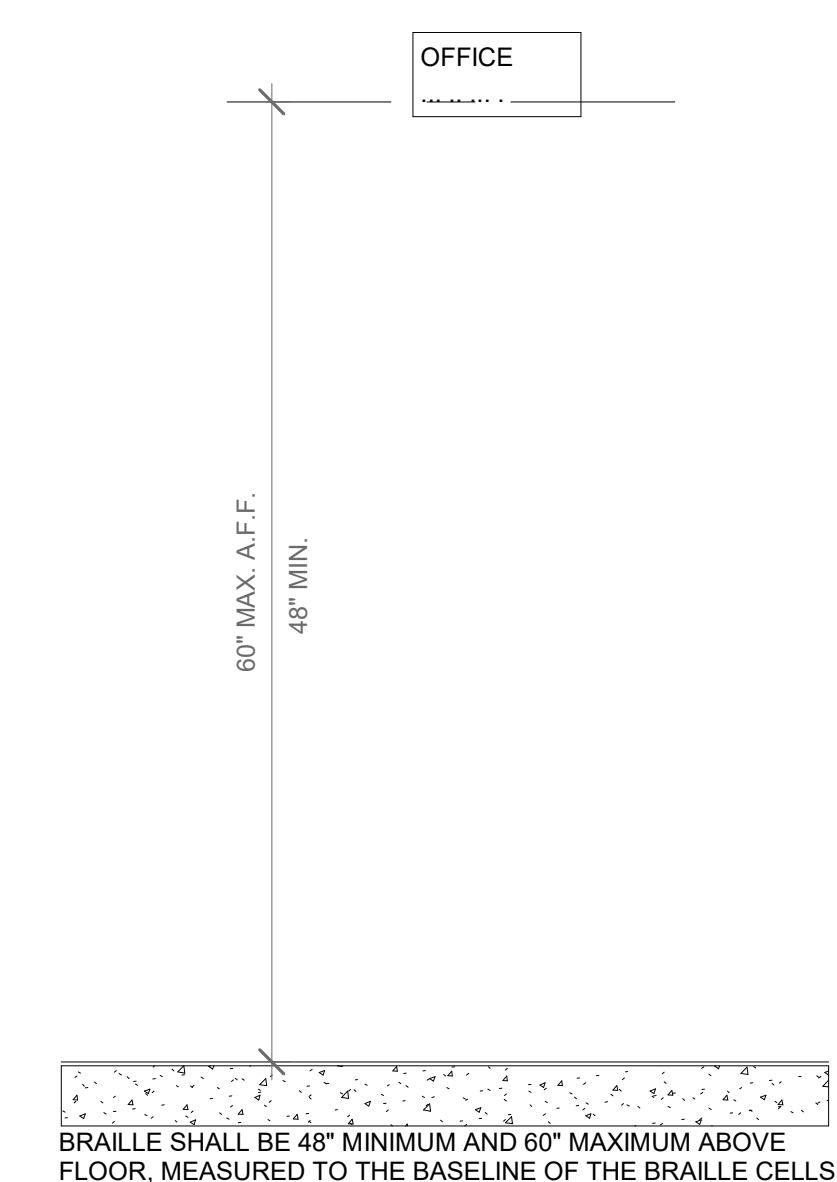
NOTE: Y=3'-6" MIN. Y=4'-0" MIN. IF DOOR HAS CLOSER



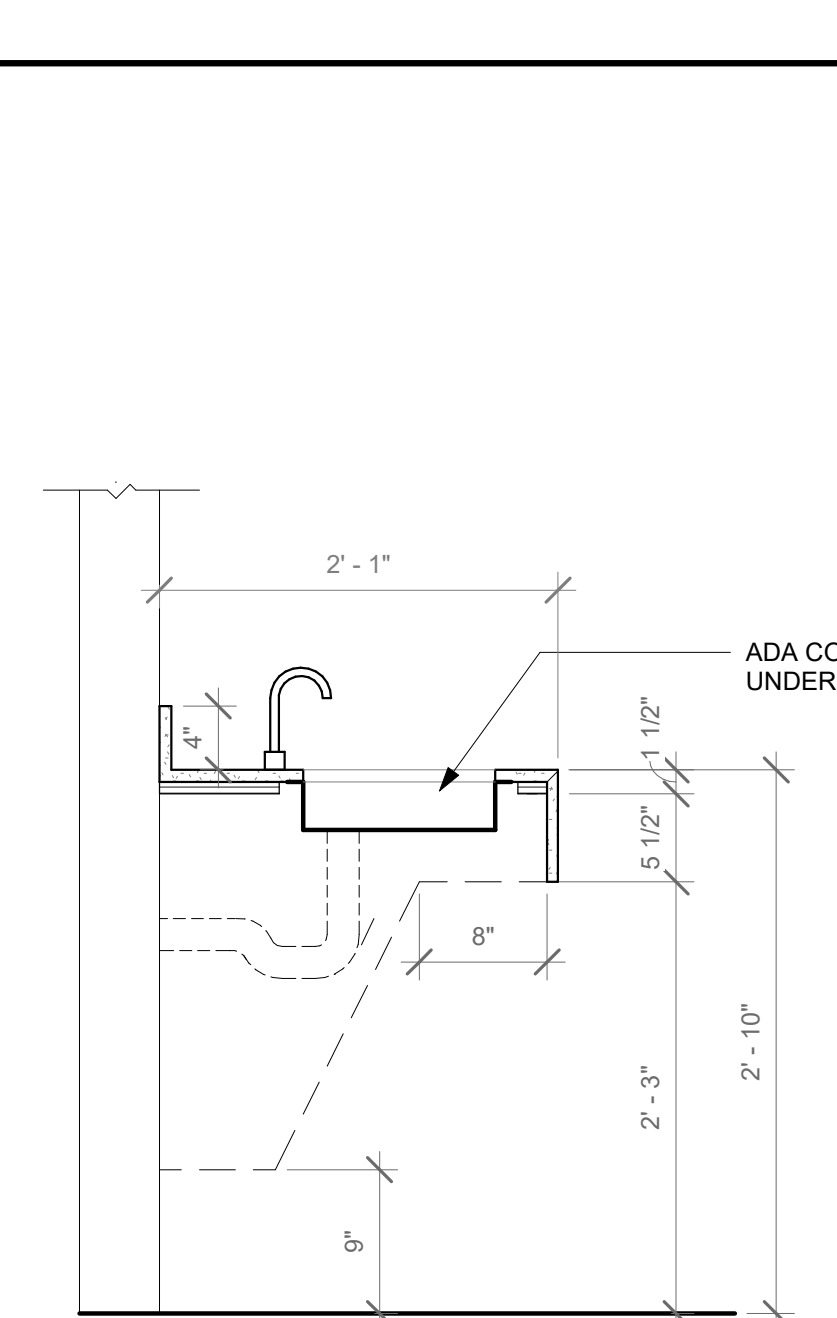
8 ADA CLEARANCES
1/4" = 1'-0"



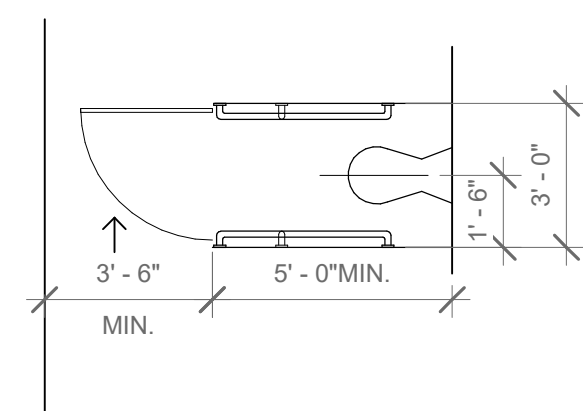
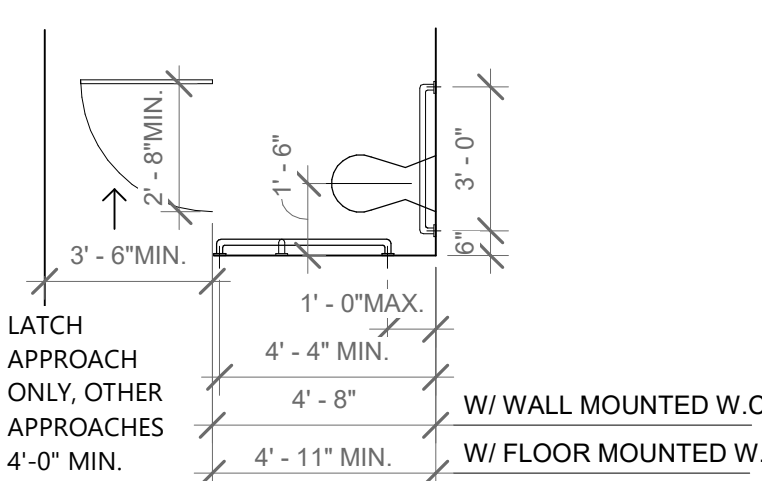
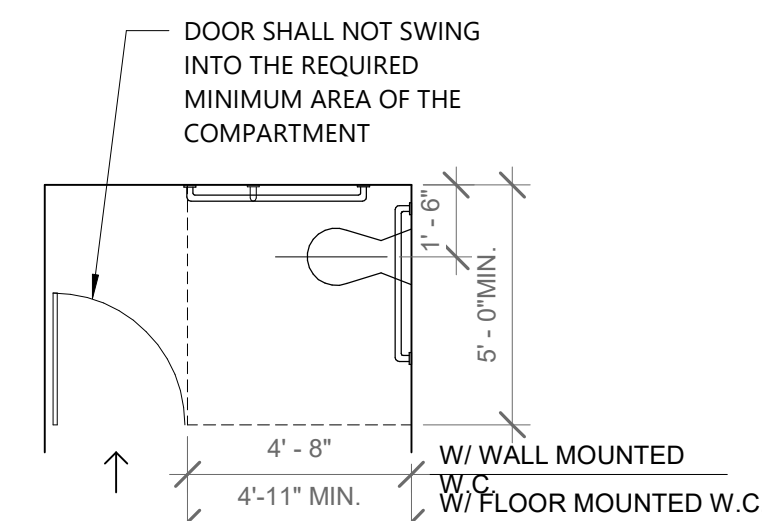
10 SWITCH HEIGHT
1" = 1'-0"



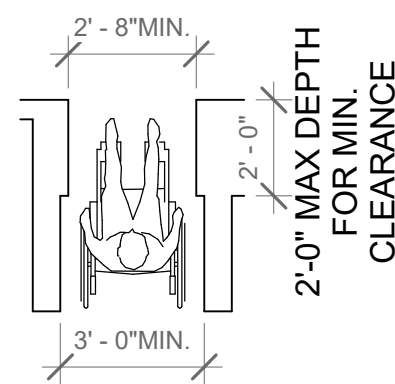
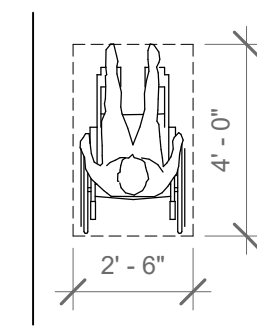
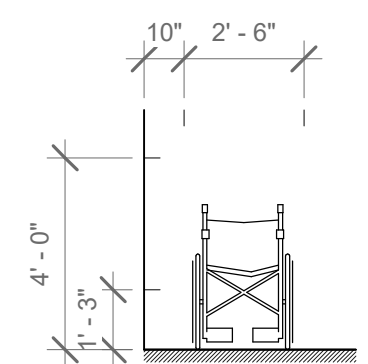
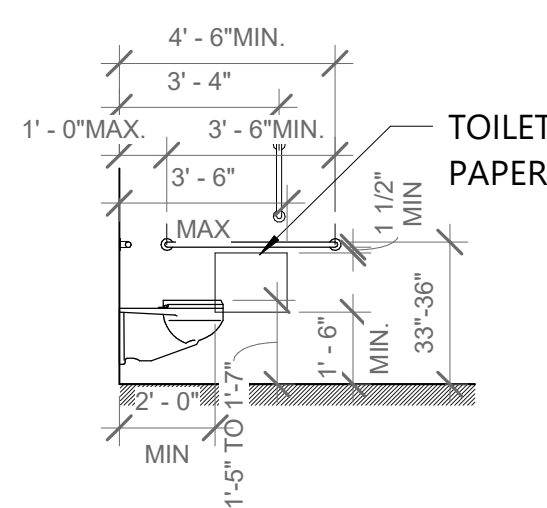
11 INTERIOR SIGNAGE
1" = 1'-0"



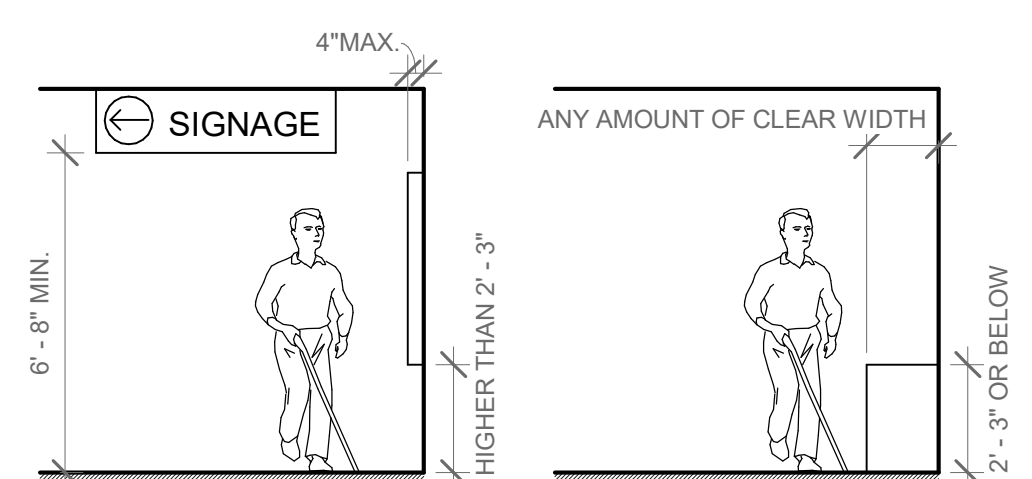
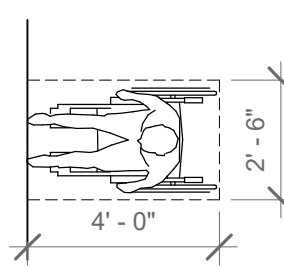
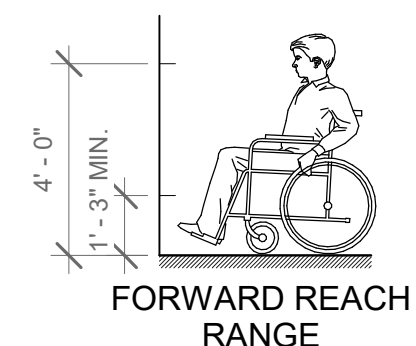
12 ACCESSIBILITY SINK
1" = 1'-0"



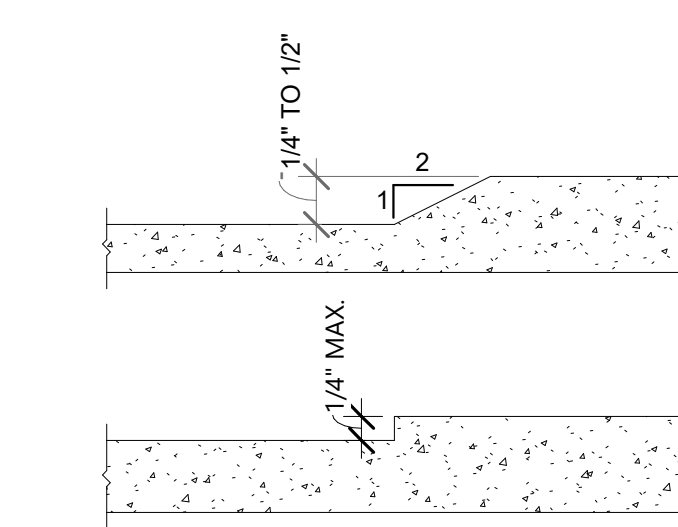
2 MULTI-USER TOILET
1/4" = 1'-0"



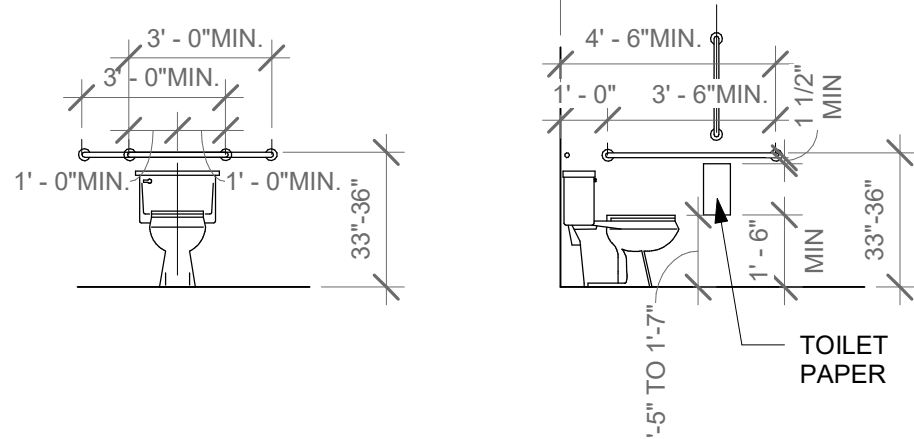
6 REACH RANGES
1/4" = 1'-0"



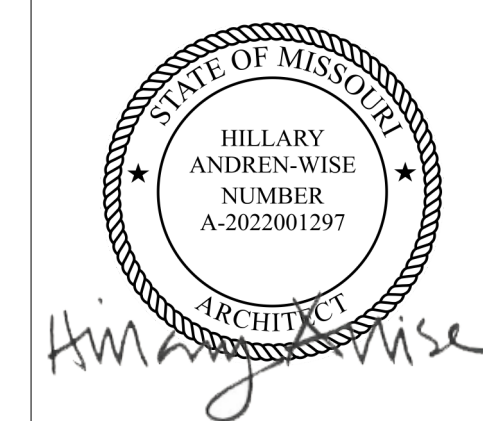
7 PROTRUDING OBJECTS
1/4" = 1'-0"



9 THRESHOLDS
6" = 1'-0"



3 SINGLE-USER TOILET
1/4" = 1'-0"



REVISIONS		
NO.	DESCRIPTION	DATE

D

C

B

A

NOT APPLICABLE	FURNISHED / PURCHASED BY:		INSTALLED BY:			NOTES
	OWNER	GC	OWNER	GC		
0	1	2	3	4	GENERAL	
				X	SUBCONTRACTOR PERMITS	
		X			SITE WORK - SURVEY / AS BUILTS	
0	1	2	3	4	SIGNAGE	
	X		X		EXTERIOR BUILDING SIGNAGE	G.C. TO PROVIDE POWER AS REQUIRED AND ENSURE ALL PENETRATIONS ARE SEALED.
	X		X		INTERIOR SIGNAGE & MARKETING	G.C. TO PROVIDE POWER AS REQUIRED AND ENSURE ALL PENETRATIONS ARE SEALED.
0	1	2	3	4	CARPENTRY / MILLWORK	
		X		X	MILLWORK	G.C. TO PROVIDE AND INSTALL FROM PNC APPROVED VENDOR.
		X		X	FSC CERTIFIED PLYWOOD	G.C. TO COORDINATE CONDUIT ROUTING HOLD-TO DIMENSIONS WITH MILLWORK
0	1	2	3	4	DOORS & MILLWORK	
		X		X	VESTIBULE STOREFRONT	INCLUDING HARDWARE
	X		X		STANLEY SLIDING DOORS	PNC TO DIRECT CONTRACT WITH STANLEY FOR SUPPLY AND INSTALLATION
0	1	2	3	4	FINISHES	
	X			X	CARPET	G.C. TO PROVIDE QUANTITIES TO PNC PM FOR PURCHASE
	X			X	CARPET ADHESIVE	
0	1	2	3	4	SPECIALTY	
	X		X		FIXED / DEMOUNTABLE INTERIOR OFFICE STOREFRONT PARTITIONS	G.C. TO COORDINATE INSTALL. G.C. TO COORDINATE HOLD-TO DIMENSION WITH VENDOR. CONDUITS BY G.C.
0	1	2	3	4	EQUIPMENT	
	X		X		SECURITY DEVICES	DEVICE AND FINAL TERMINATION BY OWNER. CABLING AND CONDUIT BY E.C. LV SECURITY WIRING BY PNC PREFERRED LV CONTRACTOR
	X		X		BANKING EQUIPMENT	DEVICE AND FINAL TERMINATION BY EQUIPMENT VENDOR
		X		X	STAFF LOUNGE AND KITCHENETTE EQUIPMENT	REFER TO SCHEDULE ON SHEET ID300. THIS INCLUDES REMOVEABLE TRASH CANS IN ALL TRASH CABINETS.
	X		X		OFFICE EQUIPMENT	COORDINATED BY PNC CDS
	X		X		SPEAKERS MUZAK	CABLE ROUGH, VOLUME CONTROLS AND SPEAKER PLACEMENT BY MOOD MUZAK VENDOR
	X		X		SECURITY	COORDINATE LOCATIONS AND LOW VOLTAGE REQUIREMENTS WITH PNC LOW VOLTAGE VENDOR
	X		X		LOCKERS	PNC FURNITURE VENDOR TO PROVIDE AND INSTALL.
0	1	2	3	4	FURNISHINGS	
	X		X		FURNITURE	G.C. TO COORDINATE WITH PNC VENDOR
		X		X	SHELVING	SEE LOCATIONS ON ON SHEET ID300
		X		X	BANKING EQUIPMENT	
0	1	2	3	4	TELECOMMUNICATIONS	
	X		X		TELEPHONE SYSTEM AND HANDSETS	WIRING AND MOUNTING BY PNC LOW VOLTAGE VENDOR. FINAL TERMINATION BY PNC CDS AND PNC LOW VOLTAGE VENDOR
0	1	2	3	4	LIGHTING	
	X			X	LIGHTING FIXTURE PACKAGE	FIXTURES AND CONTROLS SHIPPED DIRECT TO ELECTRICAL CONTRACTOR WHO WILL BE RESPONSIBLE FOR INSPECTIONS, DELIVERY TO SITE AND INSTALLATION
0	1	2	3	4	ELECTRICAL	
	X			X	SWITCH GEAR	SWITCHGEAR SHIPPED DIRECT TO ELECTRICAL CONTRACTOR WHO WILL BE RESPONSIBLE FOR INSPECTING, DELIVERY TO SITE AND INSTALLATION
		X		X	EXTERIOR BUILDING ELECTRICAL	COORDINATE WITH OWNER SIGNAGE REQUIREMENTS
		X		X	SECURITY DEVICE AND EQUIPMENT POWER	COORDINATE WITH PNC VENDOR
	X			X	STORM SWITCH	STORM SWITCH SHIPPED DIRECT TO ELECTRICAL CONTRACTOR WHO WILL BE RESPONSIBLE FOR INSPECTING, DELIVERY TO SITE AND INSTALLATION
0	1	2	3	4	MECHANICAL	
	X			X	ROOF TOP UNITS	HVAC UNITS SHIPPED DIRECT TO MECHANICAL SUBCONTRACTOR WHO WILL BE RESPONSIBLE FOR DELIVERY TO SITE AND INSTALLATION
		X		X	BI-POLAR IONIZATION	PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR
		X		X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCESSORIES	ALL OTHER MECHANICAL EQUIPMENT PROVIDED AND INSTALLED BY GC
		X		X	CONTROLS	ALL HVAC CONTROLS PROVIDED AND INSTALLED BY GC
	X	X		X	EQUIPMENT START UP	COORDINATED WITH OWNER
0	1	2	3	4	LOW VOLTAGE	
	X			X	SECURITY DEVICE AND EQUIPMENT WIRING	OWNER PREFERRED VENDOR. DEVICES SUPPLIED AND TERMINATION BY OWNER
	X			X	CCTV AND ALARM WIRING	OWNER PREFERRED VENDOR. DEVICES SUPPLIED AND TERMINATION BY OWNER
		X		X	TELECOM: VOICE AND DATA	OWNER PREFERRED VENDOR. DATA CABLING BY PNC LOW VOLTAGE VENDOR. CONDUIT BY G.C.
		X	X		RTU AND MECHANICAL CONTROL WIRE	CONTROLS SUPPLIED AND TERMINATION BY G.C.
		X		X	LIGHTING CONTROL WIRING	ELECTRICAL CONTRACTOR FOR ALL 0-10V DIMMING AND LIGHTING CONTROLS
		X		X	EXTERIOR DOOR CONTROLS WIRE, STANLEY TOGGLE SWITCH AND CHIME	REFERENCE SLIDING DOOR / CARD READERS/ SECURITY INTERFACE DETAIL
			X		SPEAKERS WIRE AND ROUGH-IN	DEVICES SUPPLIED AND TERMINATION BY OWNER TO COORDINATE SPEAKER AND PROFUSION DEVICE LOCATIONS WITH MOOD MEDIA
			X	X	EXTERIOR DOOR CONTROL - CHIME AND DOORBELL	BY G.C. AND INSTALLED BY G.C.
0	1	2	3	4	THIRD PARTY TESTING	
	X				CONSTRUCTION MATERIALS TESTING	INCLUDES SOIL TESTING AND CONCRETE TESTING FOR FOUNDATION ONLY
	X				SPECIAL INSPECTIONS	INCLUDES MASONRY, CONNECTIONS, WELD INSPECTIONS, AND CURTAIN WALL TO BE COORDINATED WITH PNC.



RS&H, Inc.
4582 S ULSTER STREET
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MO LICENSE NOS. 2003019618 * 2003019636

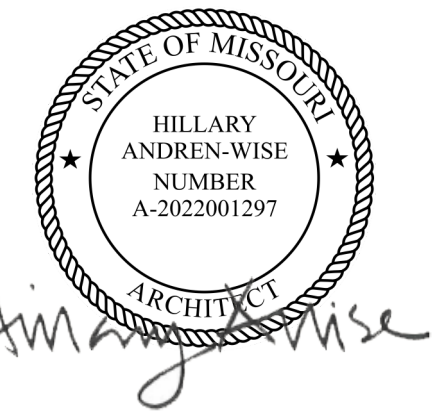


PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: HAW
DRAWN BY: CJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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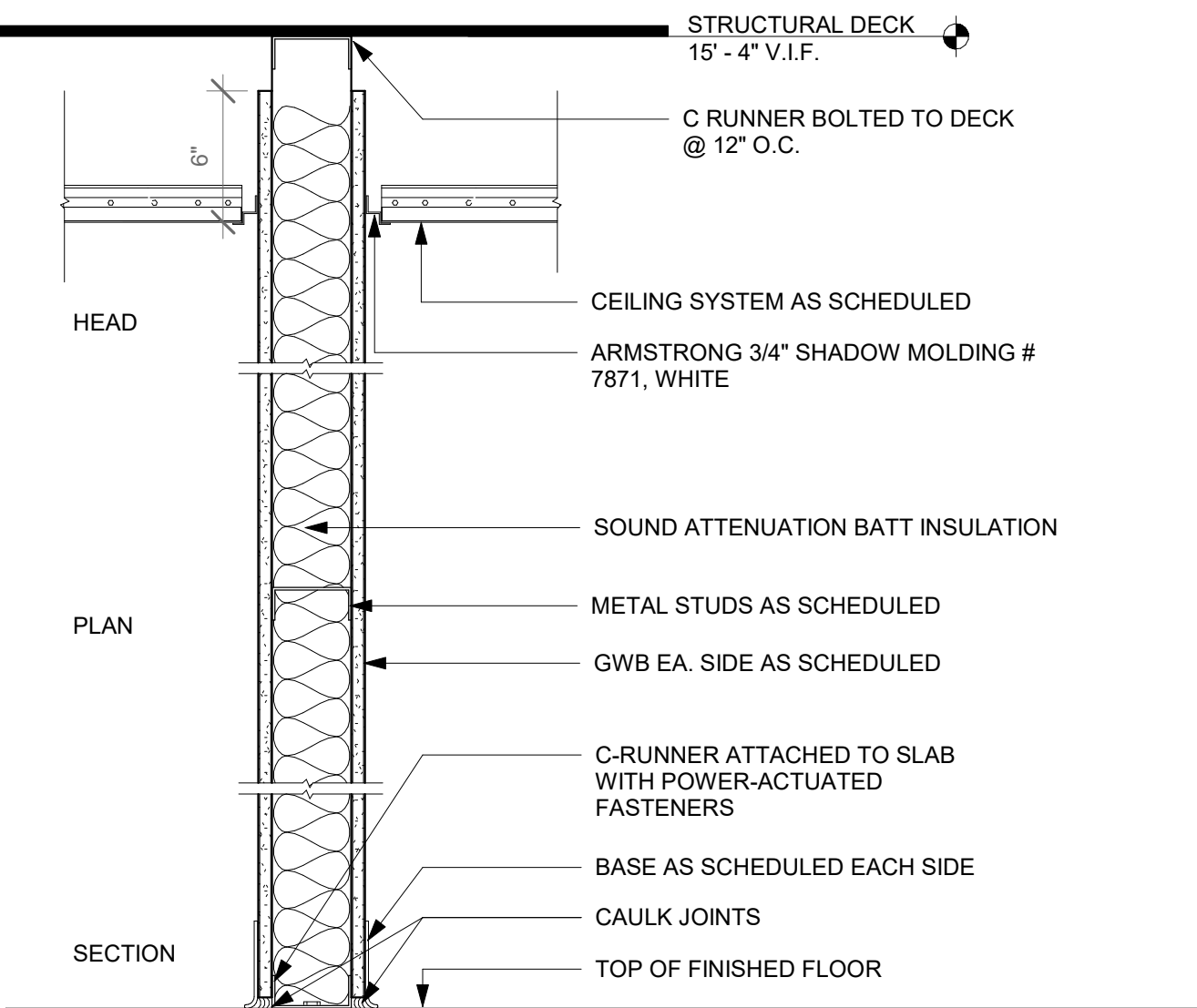
SHEET TITLE:

RESPONSIBILITY
MATRIX

SHEET ID:

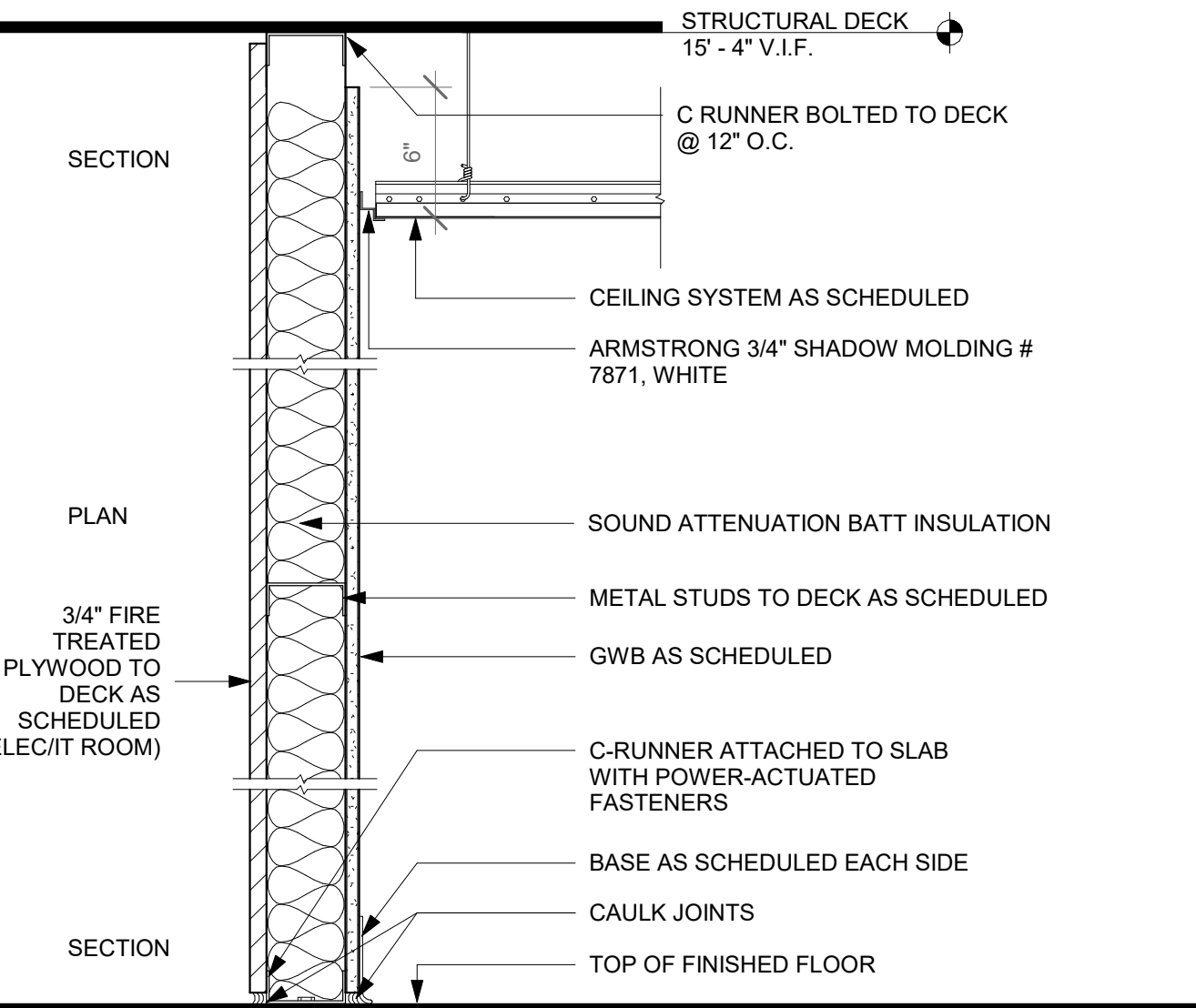
G004

PROJECT STATUS:
PERMIT DOCUMENTS



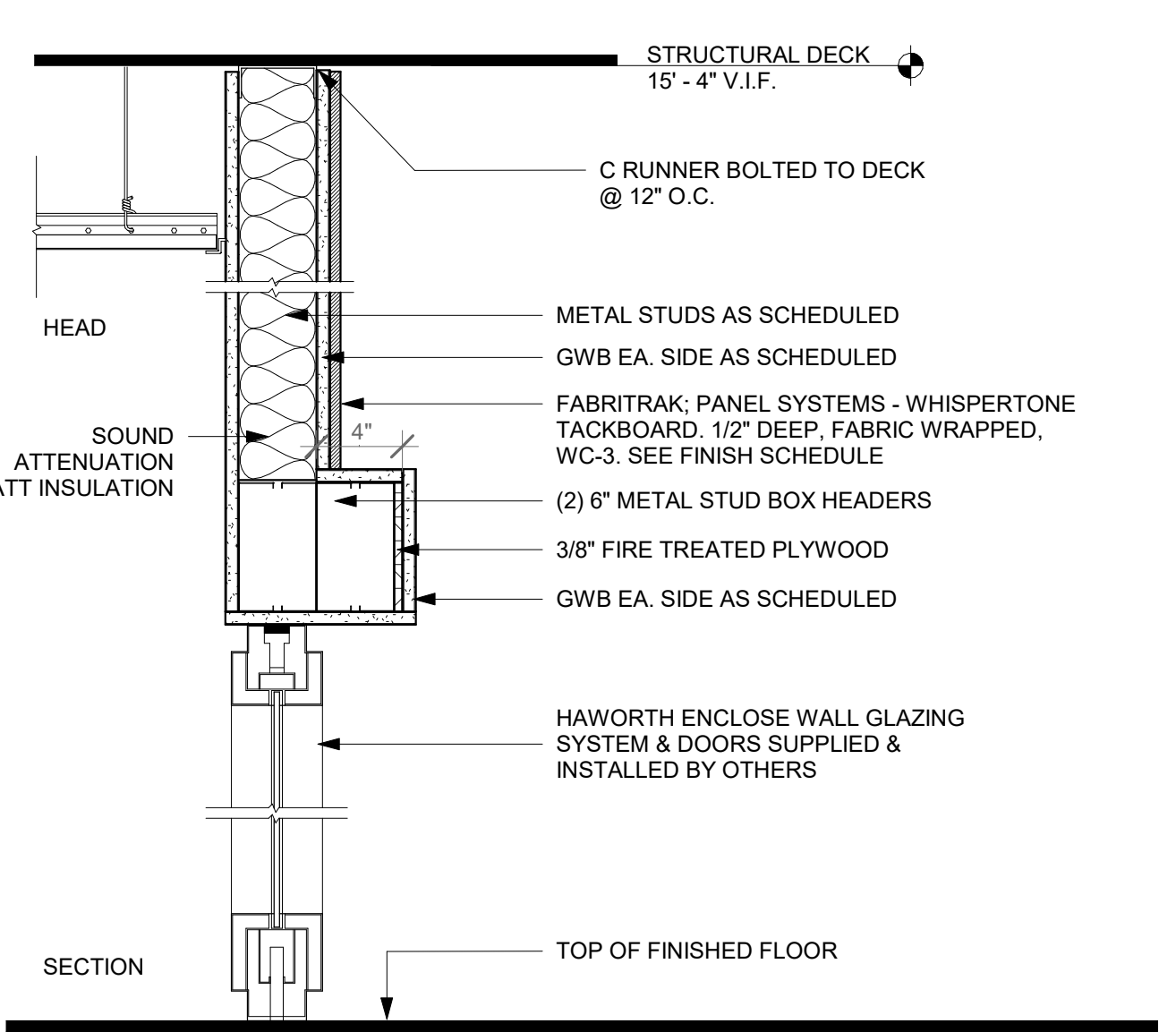
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
A2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45
A6	6"	20	16"	5/8"	7 1/4"	YES	-	-	45
A8	8"	20	16"	5/8"	7 1/4"				45

PARTITION TYPE 'A' (BUILDING STANDARD)



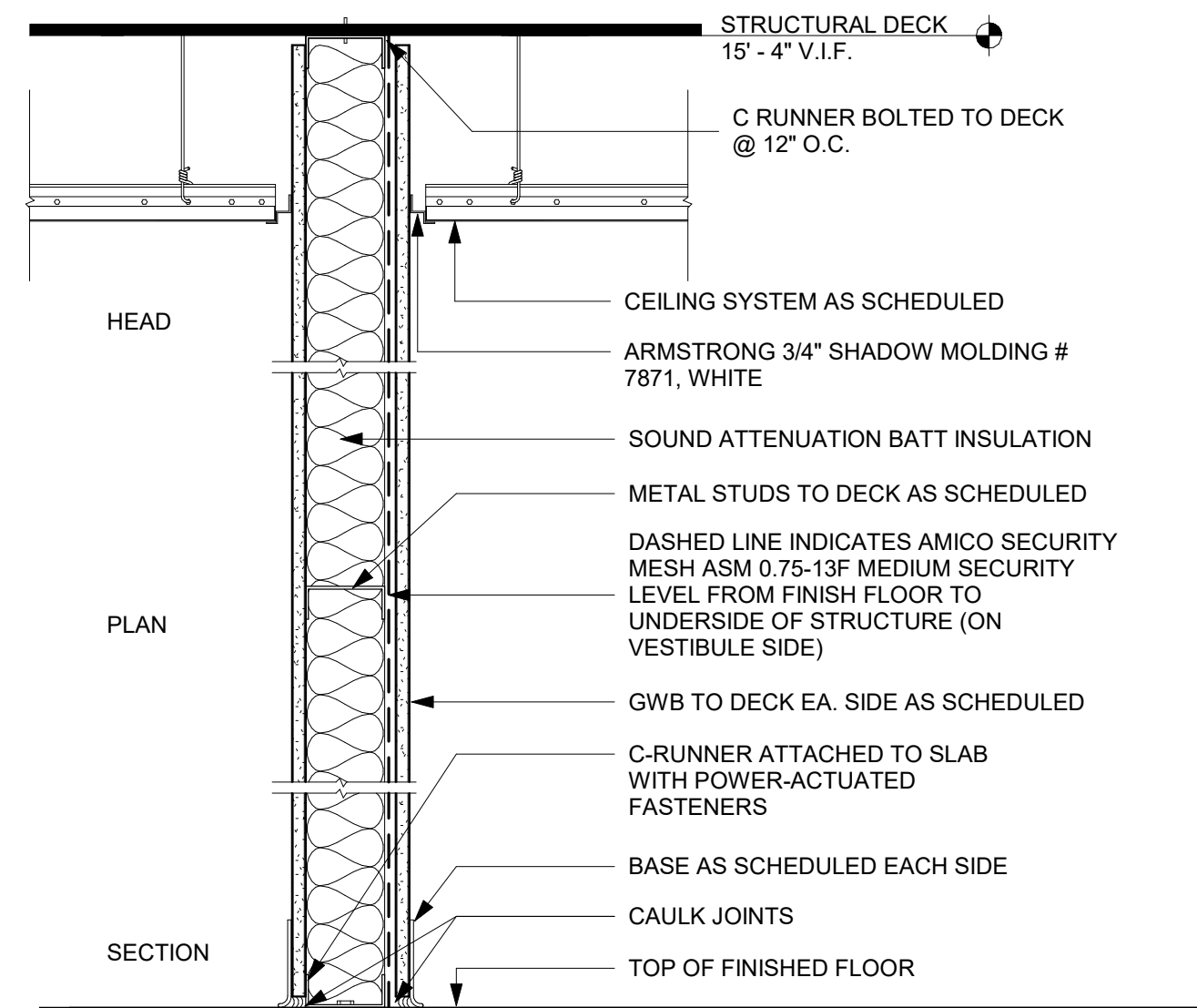
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
E2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'E'



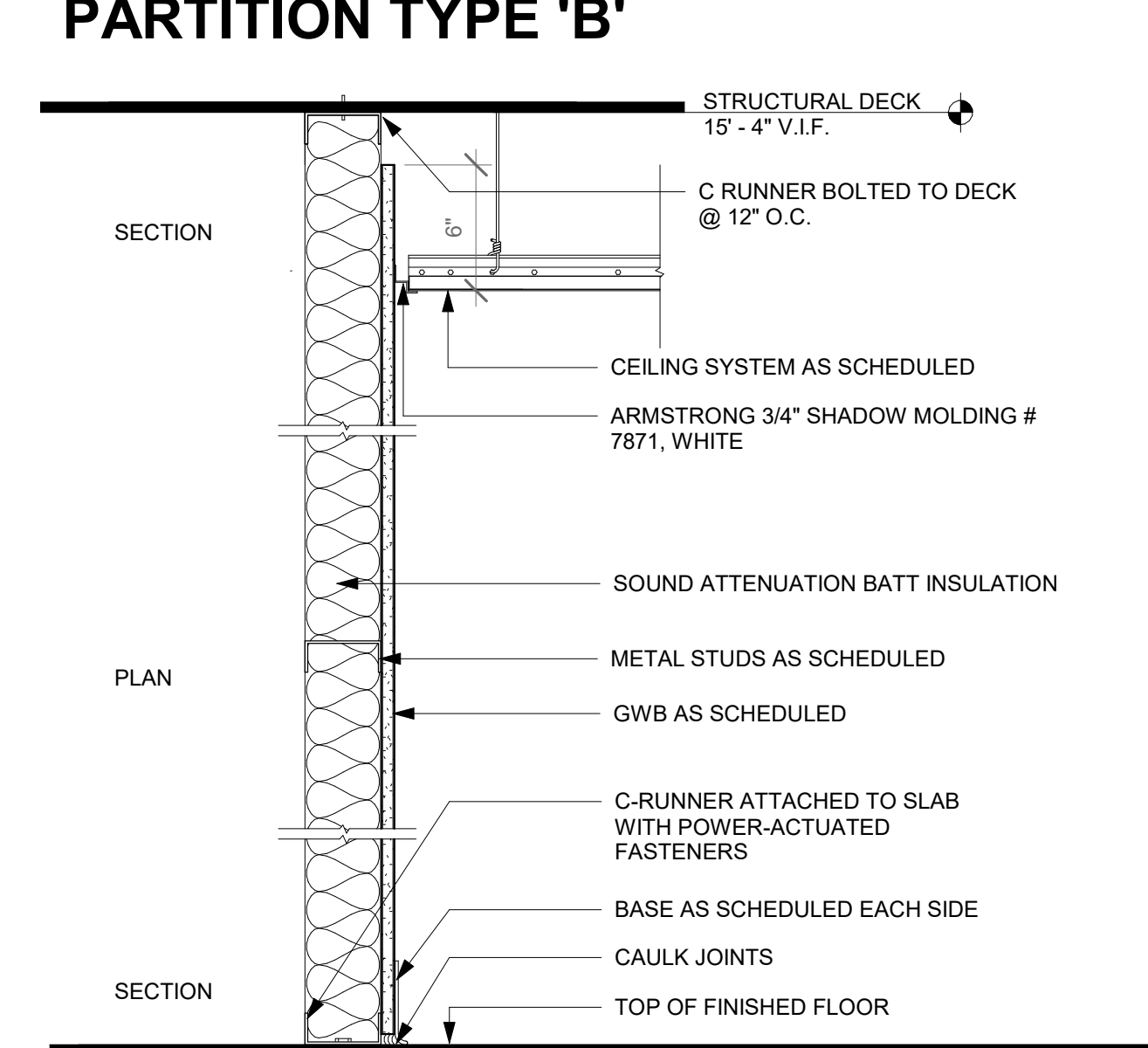
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
H2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'H'



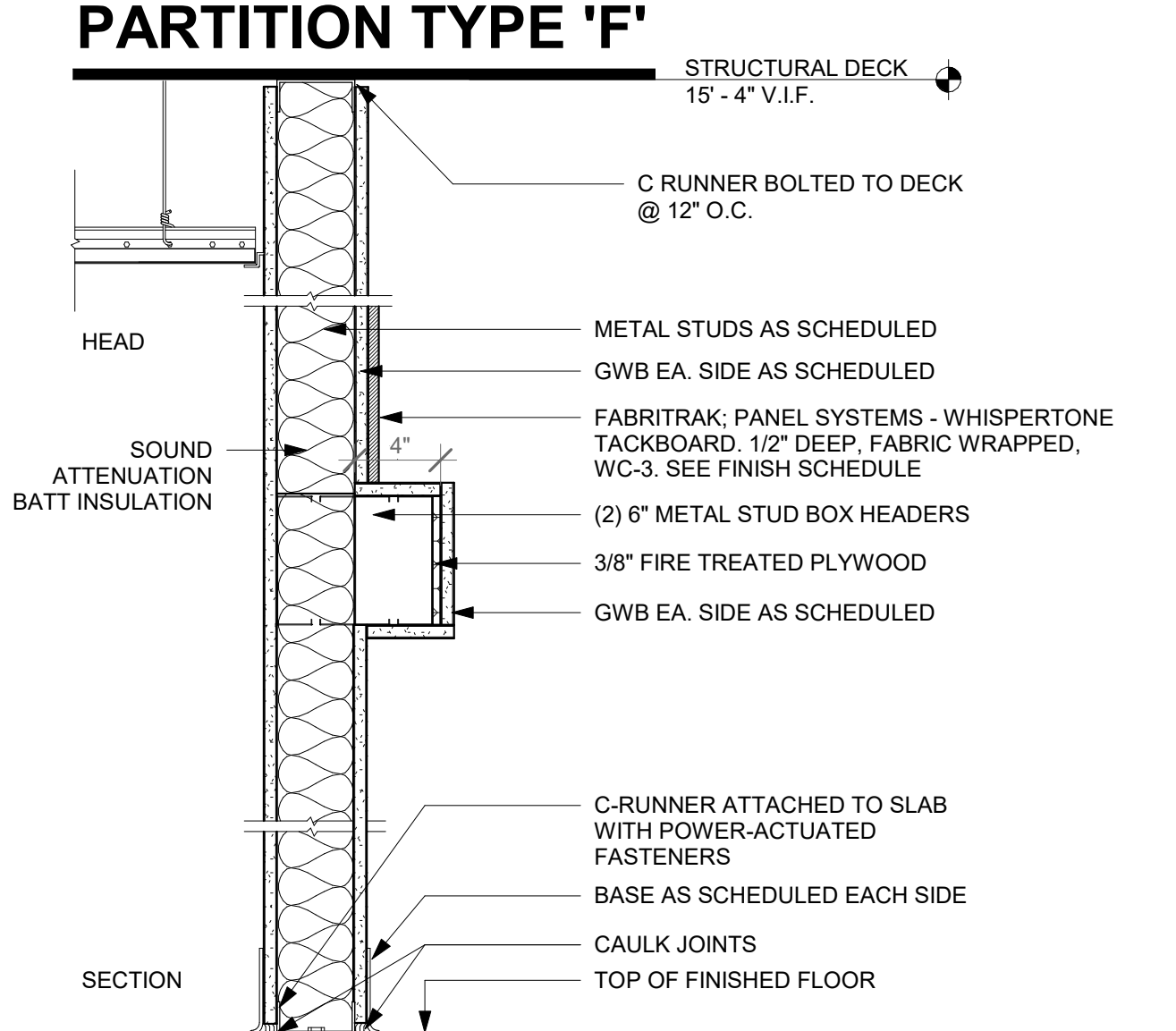
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
B2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'B'



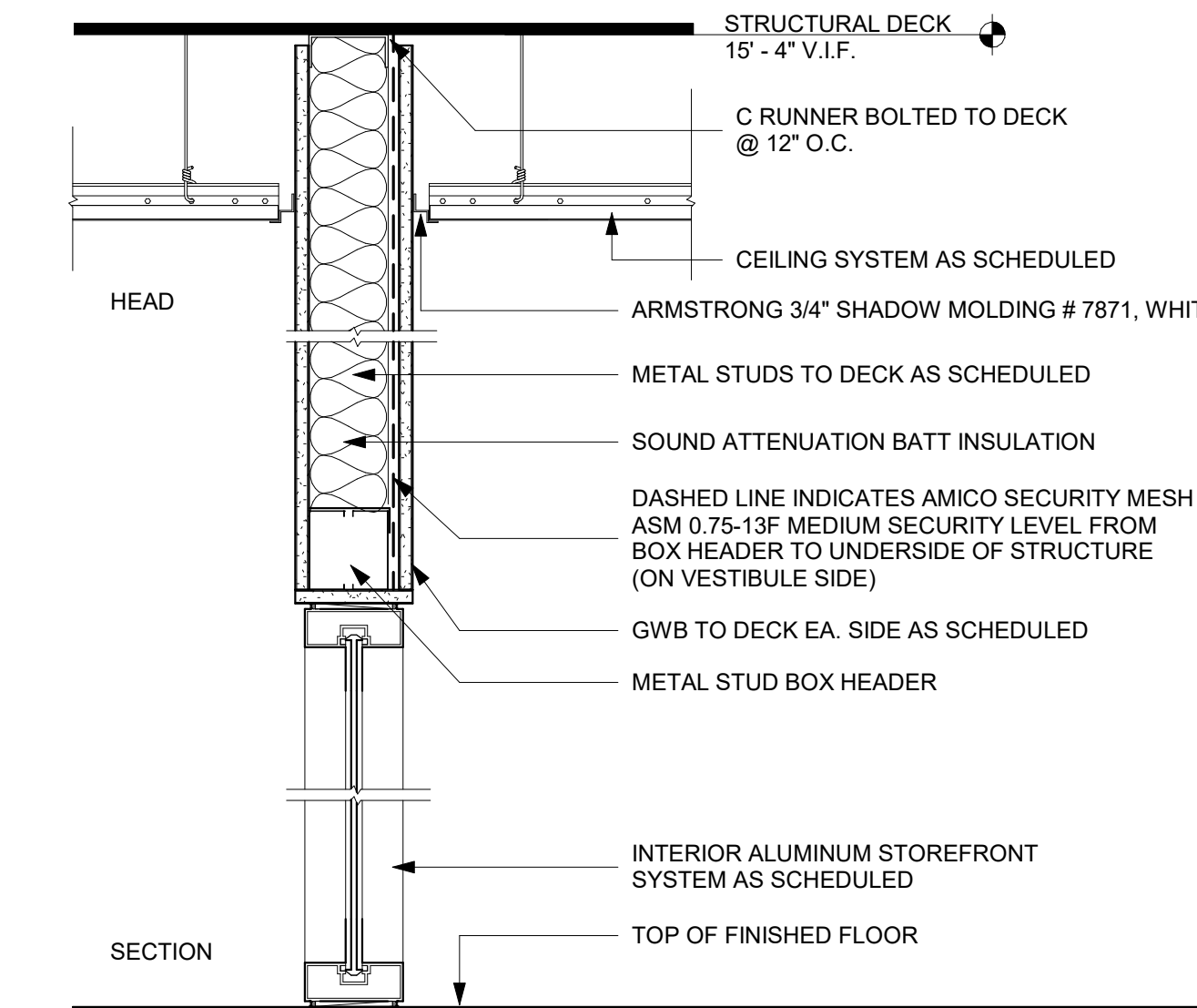
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
F2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45
F4	2 1/2"	20	16"	5/8"	2 1/2"	NO	-	-	-

PARTITION TYPE 'F'



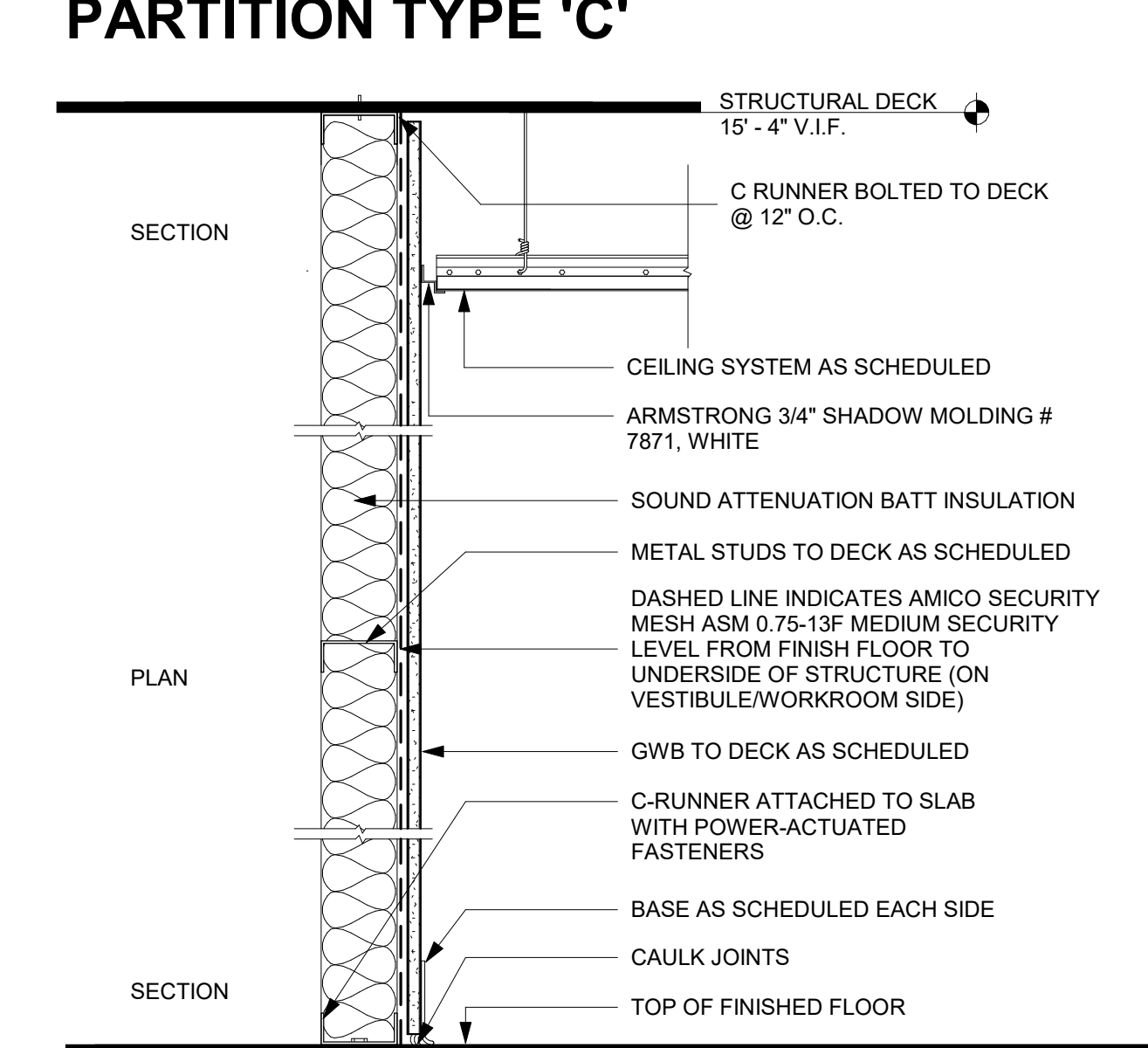
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
I2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'I'



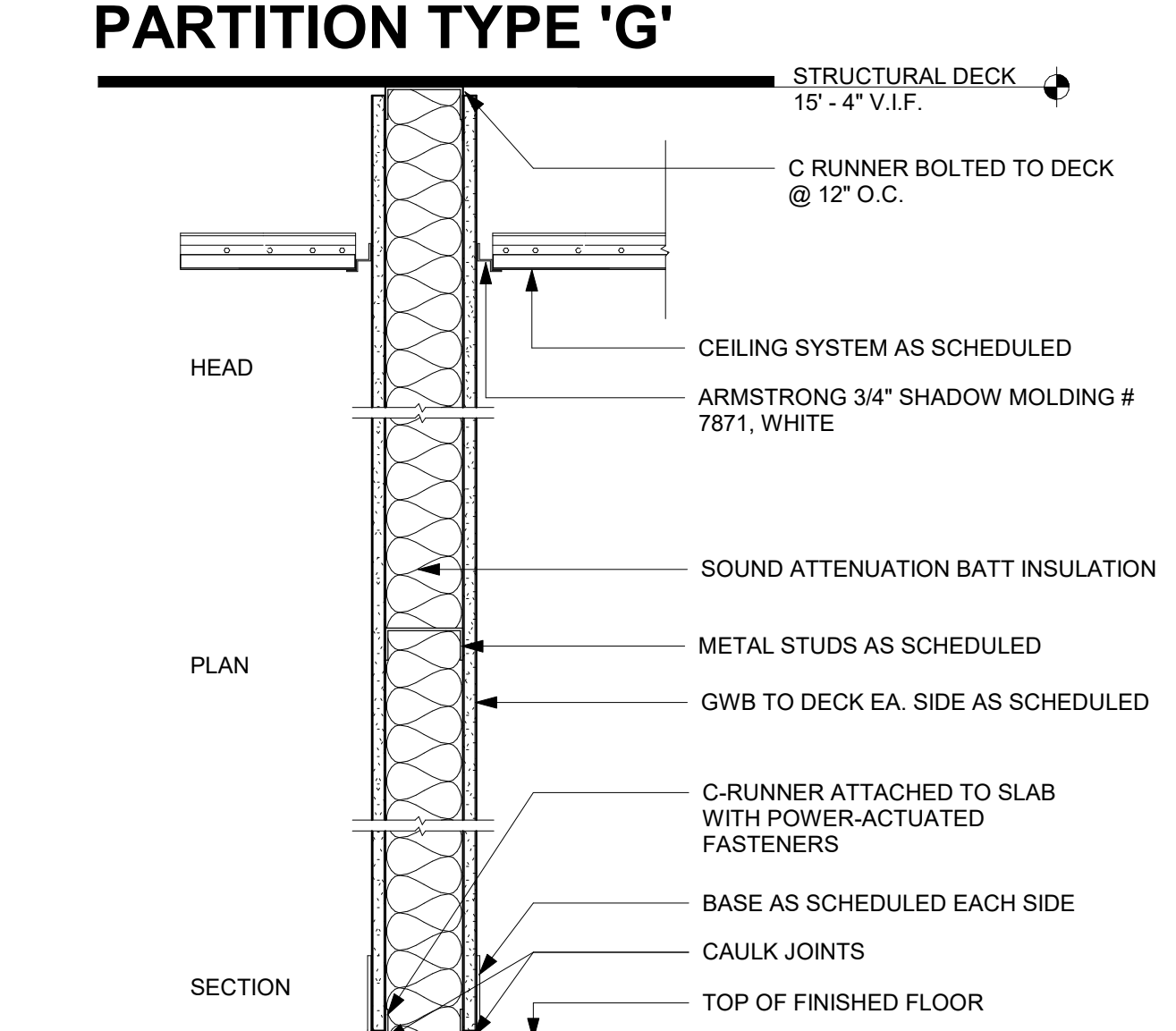
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
C2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'C'



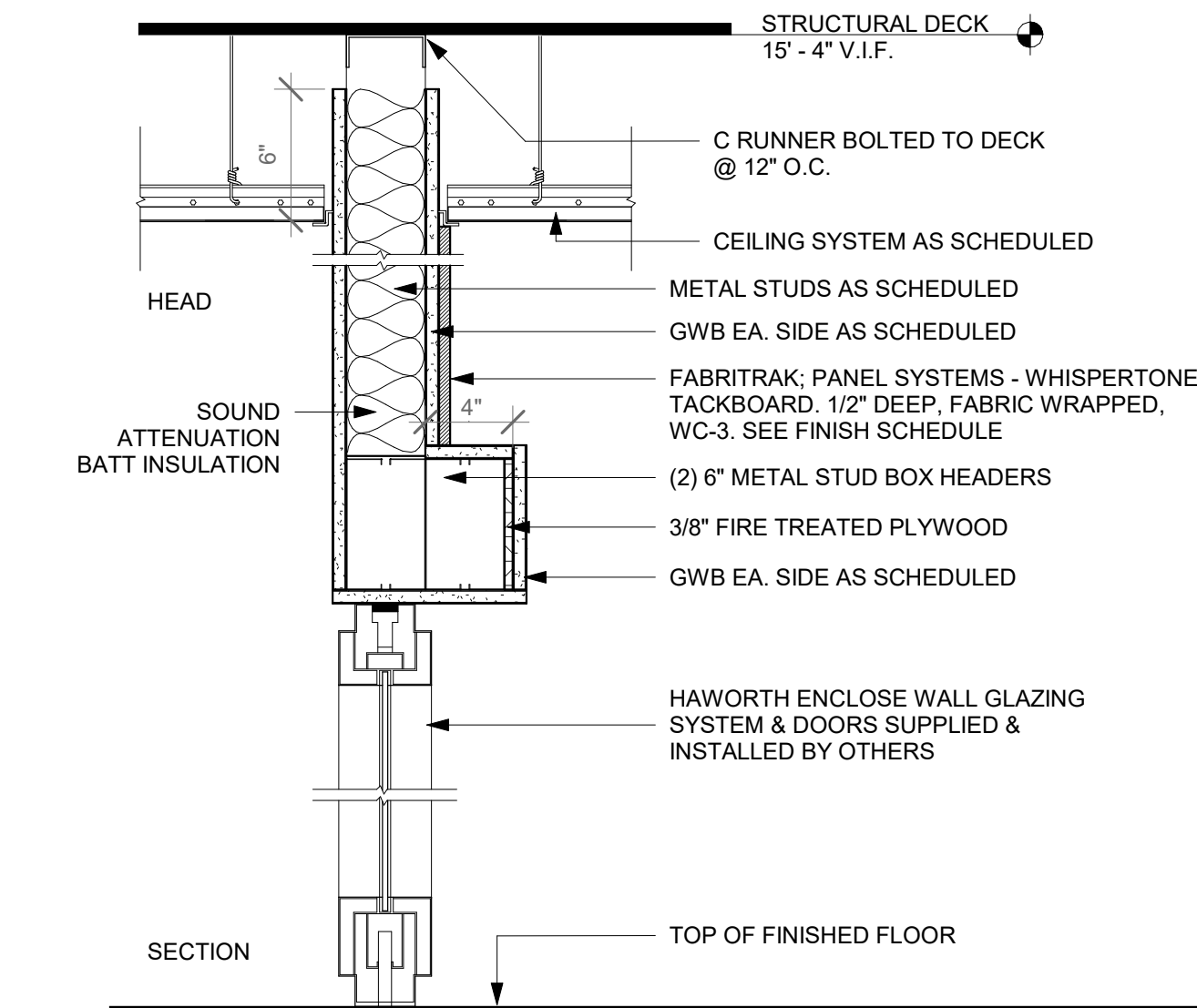
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
G2	3 5/8"	20	16"	5/8"	4 1/4"	YES	-	-	45

PARTITION TYPE 'G'



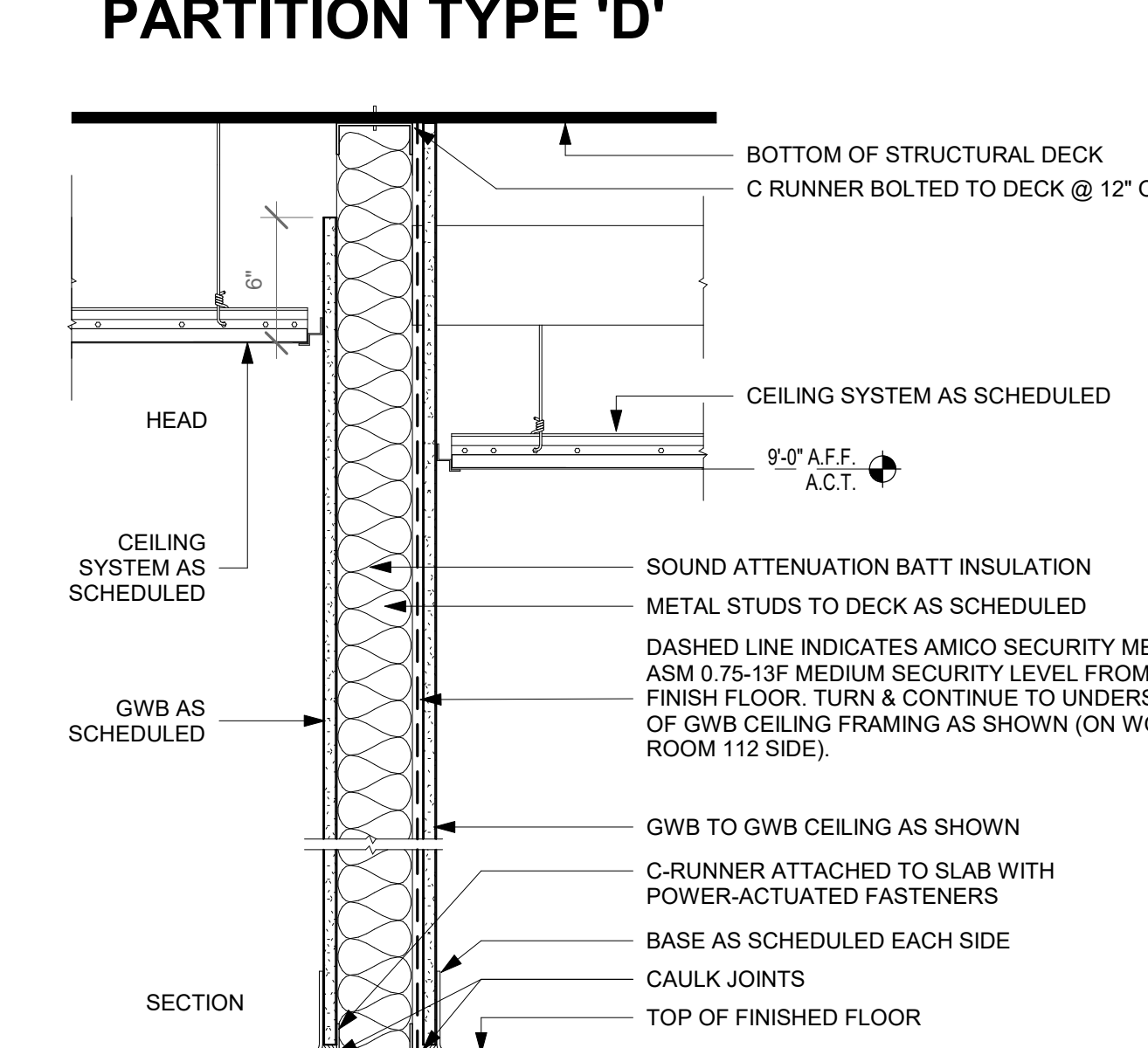
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
K2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'K'



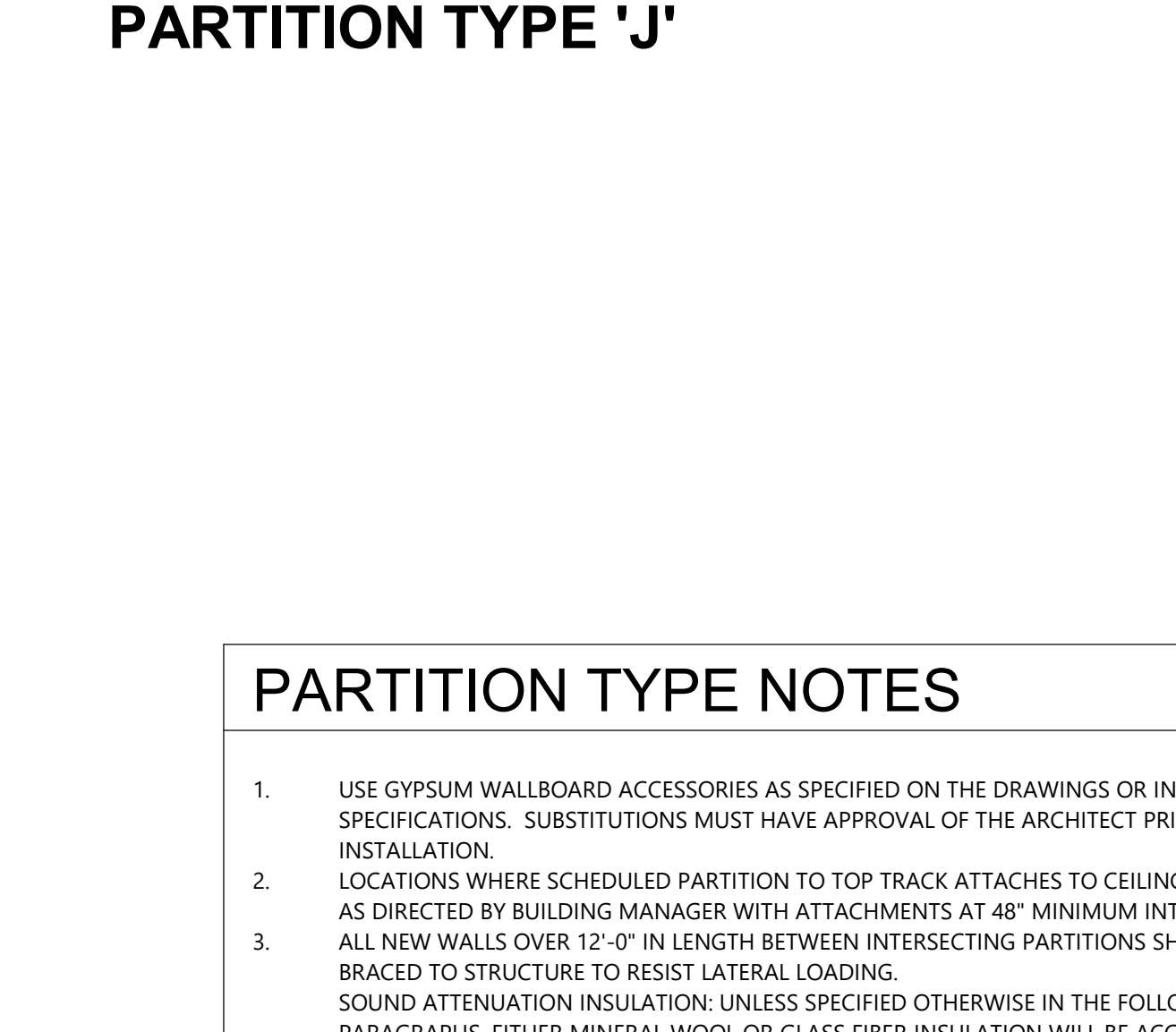
NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
D2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'D'



NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
J2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45
J6	6"	20	16"	5/8"	7 1/4"	YES	-	-	45

PARTITION TYPE 'J'



NUMBER	STUD SIZE	STUD GA.	STUD SPACING	GYPSUM BOARD	WALL THICKNESS	SOUND ATTENUATION INSULATION	FIRE RATING	U.L. RATING	S.T.C. RATING
K2	3 5/8"	20	16"	5/8"	4 7/8"	YES	-	-	45

PARTITION TYPE 'K'

PARTITION TYPE NOTES

- USE GYPSUM WALLBOARD ACCESSORIES AS SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS. SUBSTITUTIONS MUST HAVE APPROVAL OF THE ARCHITECT PRIOR TO INSTALLATION.
- LOCATIONS WHERE SCHEDULED PARTITION TO TOP TRACK ATTACHES TO CEILING GRID. SHIM AS DIRECTED BY BUILDING MANAGER WITH ATTACHMENTS AT 48" MINIMUM INTERVALS.
- ALL NEW WALLS OVER 12'-0" IN LENGTH BETWEEN INTERSECTING PARTITIONS SHALL BE BRACED TO STRUCTURE TO RESIST LATERAL LOADING.
- SOUND ATTENUATION INSULATION: UNLESS SPECIFIED OTHERWISE IN THE FOLLOWING PARAGRAPHS, EITHER MINERAL WOOL OR GLASS FIBER INSULATION WILL BE ACCEPTABLE. INSULATION SHALL BE EITHER 6 P.C.F., BLANKET OR BATT TYPE IN WIDTH REQUIRED TO FILL THE SPACES. FRICTION FIT SNUGLY IN PLACE BETWEEN THE STUDS USED IN PARTITIONS.
- ALL INSULATION IN WALLS TO BE 25 FLAME SPREAD - 450 SMOKE DEVELOPED. G.C. IS TO PROVIDE FIRE-TREATED PLYWOOD AND/OR METAL BLOCKING IN WALL BEHIND MILLWORK/CABINETS/SHELVING/ DOOR & WALL CLASS A STOPS FOR MOST SECURE METHOD OF ANCHORING, AS WELL AS BEYOND WALL MOUNTED FURNITURE WITHIN OFFICES.



PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

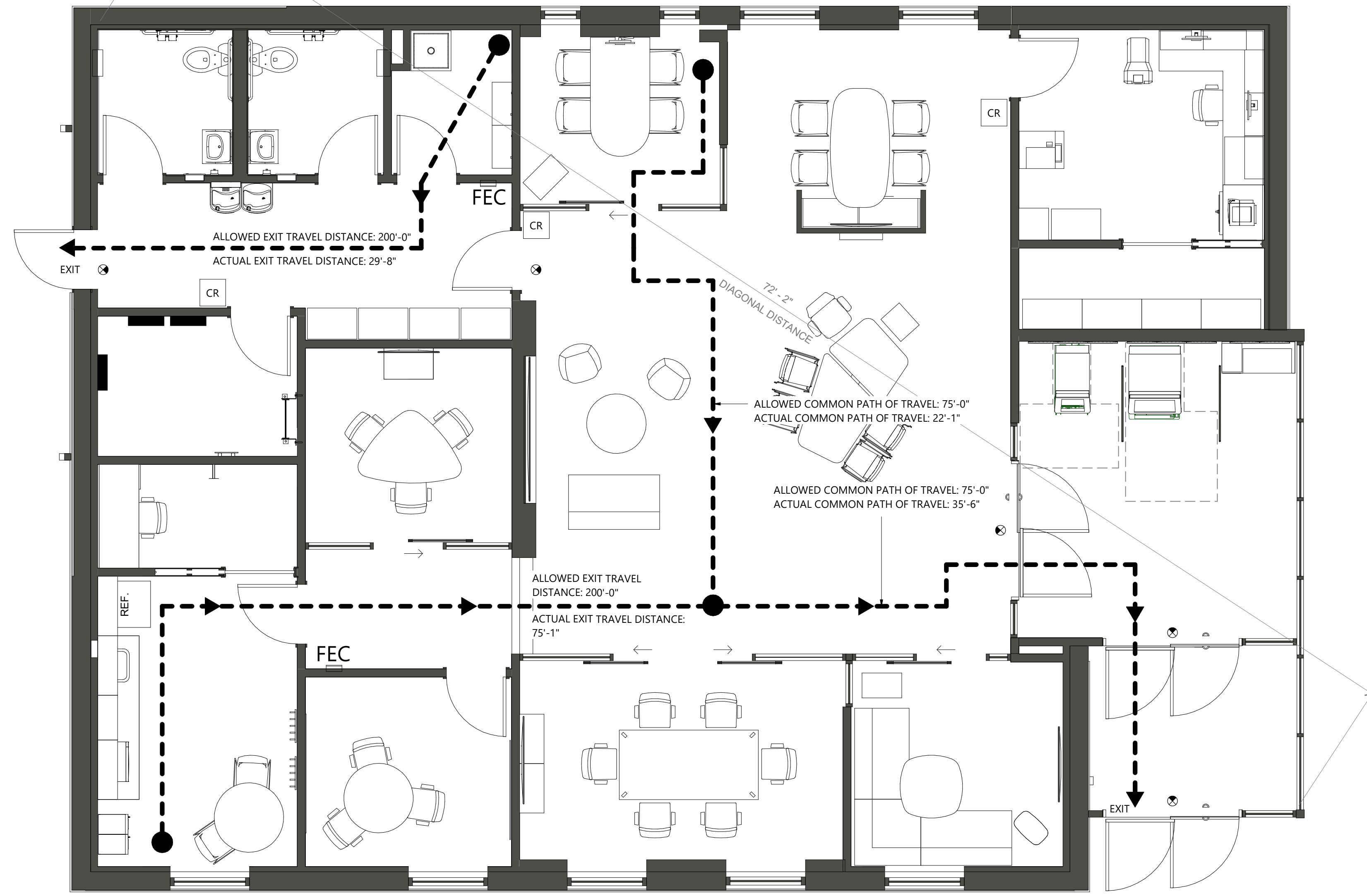
DATE ISSUED: 02/15/2022
REVIEWED BY: SLC
DRAWN BY: PAF
DESIGNED BY: RS&H
PROJECT NUMBER: 524-0368-028
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SHEET TITLE:
PARTITION TYPES

SHEET ID:
G005

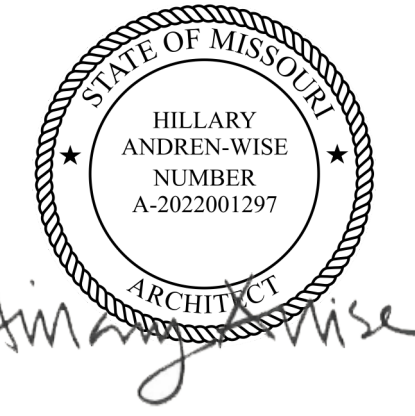
PROJECT STATUS:
PERMIT DOCUMENTS

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PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: Checker
DRAWN BY: Author
DESIGNED BY: Designer

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
LIFE SAFETY PLAN

SHEET ID:
G101

PROJECT STATUS:
PERMIT DOCUMENTS

FIRE PROTECTION NOTES

- REFER TO RELATED ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DOCUMENTS.
- EXIT LIGHTS AND EMERGENCY LIGHTING TO BE INSTALLED PER CODE REQUIREMENTS. LOCATIONS TO BE APPROVED BY ARCHITECT VIA SHOP DRAWING SUBMITTAL. LOCATIONS ON ARCHITECTURAL DRAWINGS ARE FOR DESIGN INTENT ONLY. COORDINATE EXIT LIGHTS WITH GENERAL LIGHT FIXTURES.
- REFER TO RELATED ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DOCUMENTS.

PROJECT SUMMARY

NEW GROUND UP BANK BRANCH TO INCLUDE: LOBBY WITH 24-HOUR ACCESS TO 2 ATM(S) AND AFTER HOUR DEPOSITORY. THE REMAINDER OF NEW BRANCH WILL BE ACCESSIBLE DURING NORMAL BANKING HOURS AND WILL INCLUDE: WAITING AREA, COLLABORATIVE SPACE, CONFERENCE ROOM, HUB, FLEX, GATHERING, AND CHAT LOUNGE; OFF-STAGE, WORK AND CASH ROOMS FOR PRIVATE BANK WORK; BREAK ROOM FOR BANK STAFF; AND, STORAGE, JANITOR'S, ELECTRICAL/IT ROOM, AND RESTROOMS. ALL ASSOCIATED STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL, AND EXTERIOR FACADE SYSTEMS TO BE INSTALLED TO SUPPORT NEW CONSTRUCTION AND EQUIPMENT. NEW METAL CANOPIES ARE INCLUDED.

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE, IBC
2018 INTERNATIONAL MECHANICAL CODE, IMC
2018 INTERNATIONAL PLUMBING CODE, IPC
2018 INTERNATIONAL FUEL GAS CODE, IFGC
2018 INTERNATIONAL ENERGY CONSERVATION CODE, IECC
2018 INTERNATIONAL FIRE CODE, IFC
2017 NFPA 70 - NATIONAL ELECTRICAL CODE
ICC/ANSI 117.1-2009 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

OCCUPANCY COUNTS + EGRESS

OCCUPANT LOAD: GROUP B - BUSINESS OCCUPANT LOAD FACTORS
BUSINESS AREAS = 1 OCCUPANT / 150 SF GROSS
2,728 SF X 1 OCCUPANT / 150 SF = 18.2 = 19 OCCUPANTS
EXIT ACCESS DOORS:
25 OCCUPANTS X 0.2' = 5" REQUIRED EXIT WIDTH
2 EXIT DOORS = 110" EXIT WIDTH PROVIDED
1 @ 76" CLEAR WIDTH
1 @ 34" CLEAR WIDTH

CODE SUMMARY

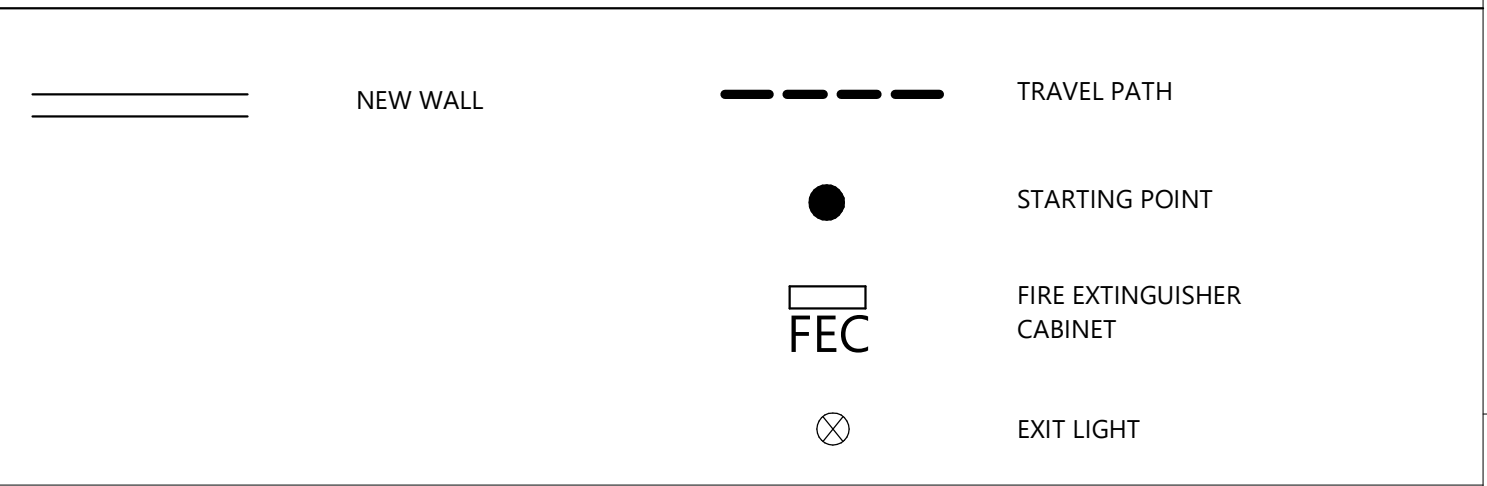
GROUND UP BUILDING
TENANT OCCUPANCY:
CONSTRUCTION TYPE:
CLASSIFICATION OF WORK:
SQUARE FOOTAGE:
FIRE SPRINKLERS:
FIRE ALARM:
EMERGENCY LIGHTING:
EXITS PROVIDED:
MAX. ALLOWED COMMON PATH OF TRAVEL:
ACTUAL COMMON PATH OF TRAVEL:
MAX. ALLOWED EXIT ACCESS TRAVEL DISTANCE:
ACTUAL EXIT ACCESS TRAVEL DISTANCE:

GROUP B - BUSINESS
TYPE II-B
NEW CONSTRUCTION
2,728 SF
NO
NO
YES
2
75'
37' - 5"
200'
75' - 1"

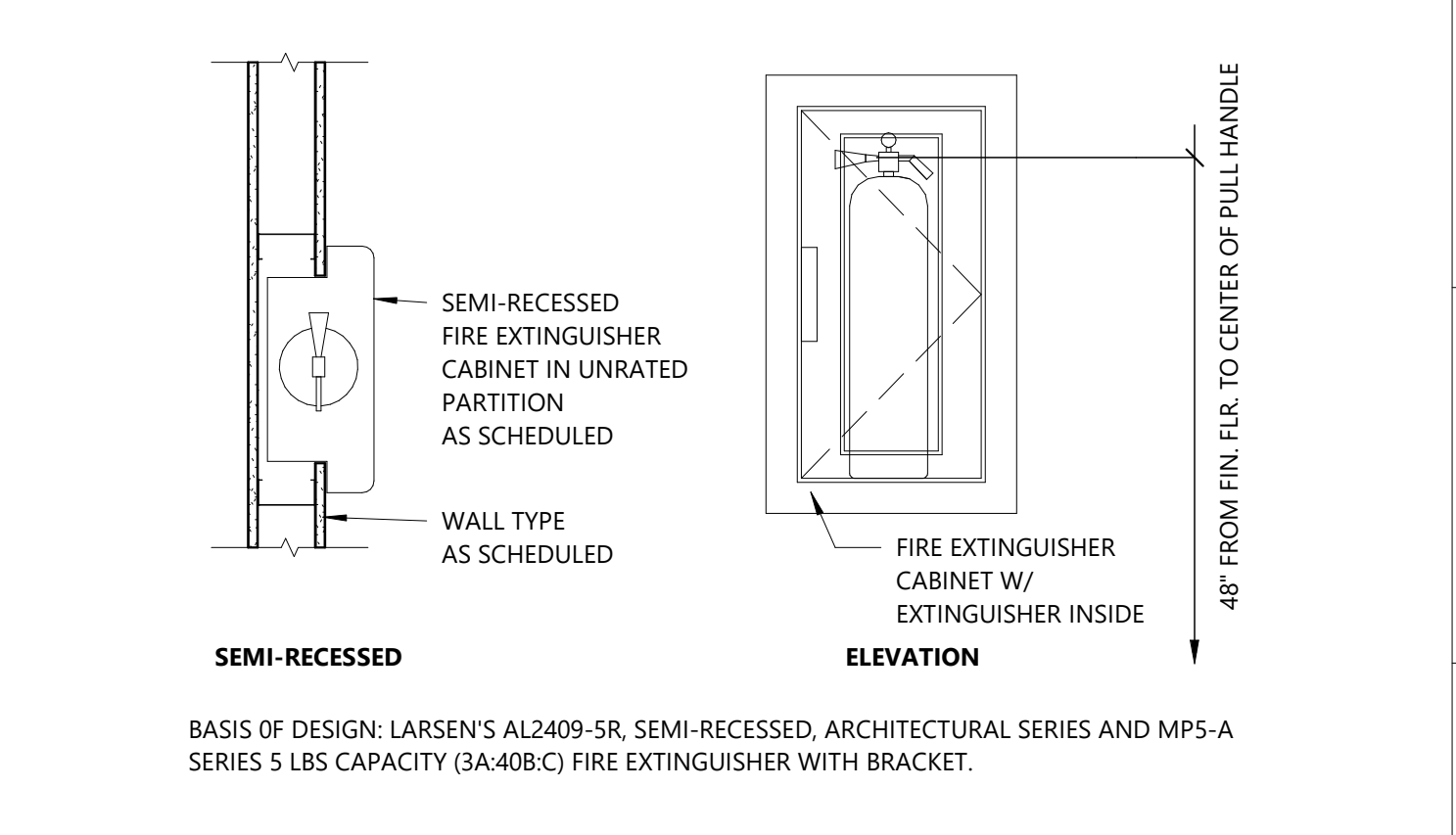
PLUMBING FIXTURE COUNT

OCCUPANCY	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINKS
BUSINESS 25 OCCUPANTS	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80	1 PER 100	1
REQUIRED	2 REQUIRED	2 REQUIRED	1 REQUIRED	1 REQUIRED
TOTAL PROVIDED	2 PROVIDED	2 PROVIDED	1 PROVIDED (HI-LO UNIT)	1 PROVIDED

LEGEND



FIRE EXTINGUISHER CABINET



3/17/2022 11:35:37 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/624-0368-028_PNC MO Lees Summit_A_P22_CENTRAL.rvt



PROJECT TITLE:

PNC MO LEE'S SUMMIT GROUND
UP BRANCH

PROJECT ADDRESS:

WEST PRYOR DEVELOPMENT, LOT
9A NEW PRYOR RD. & NW SUMMIT
WOODS XING, LEE'S SUMMIT, MO
64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022

REVIEWED BY: MTF

DRAWN BY: TAB

DESIGNED BY: TAB

PROJECT NUMBER:

5240368028

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SHEET TITLE:

SITE PLAN

SHEET ID:

C200

PROJECT STATUS:

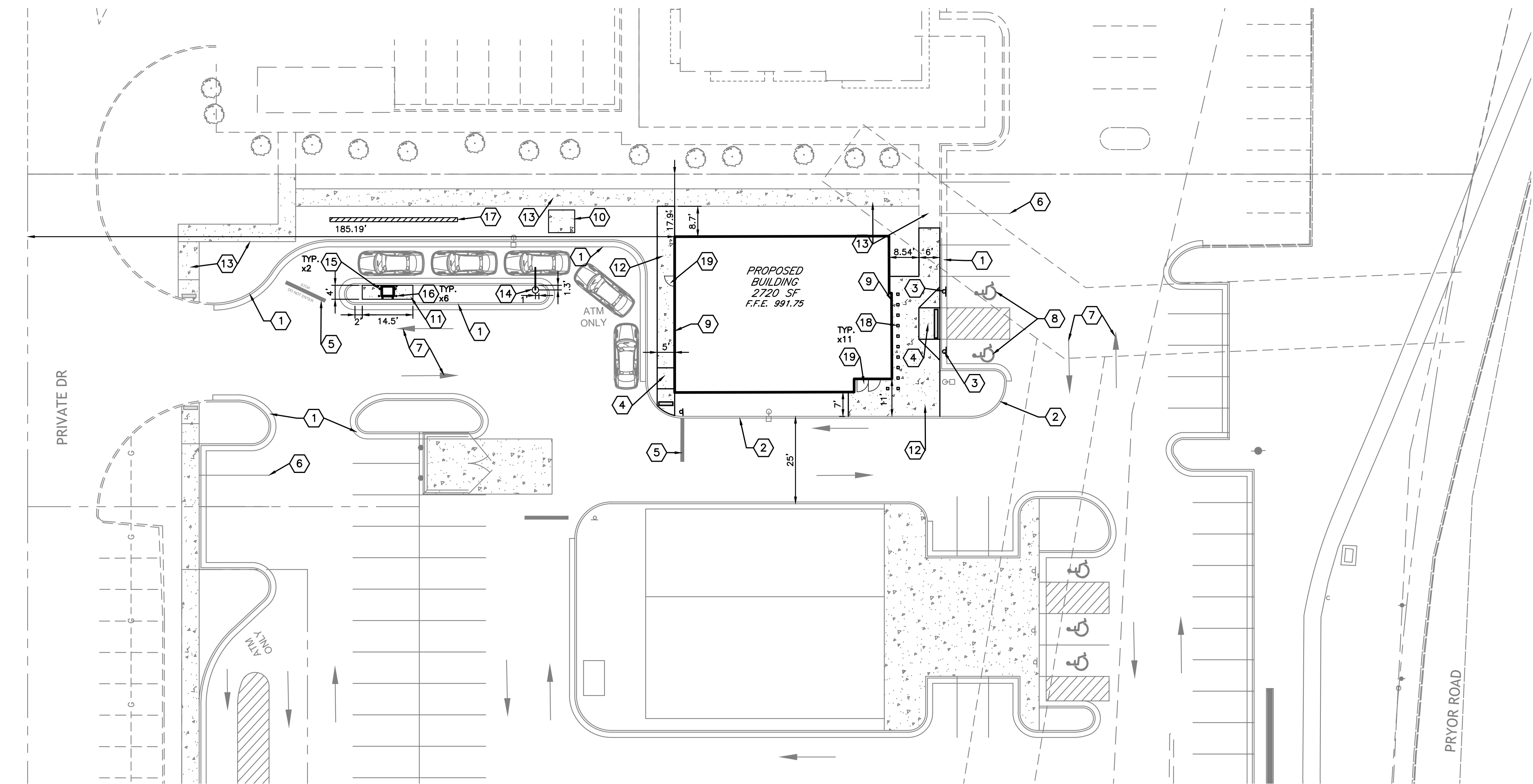
PERMIT
DOCUMENTS

LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT
- EXISTING SIGN
- EXISTING POWER POLE
- PROPOSED SIGN
- PROPOSED CONCRETE SIDEWALK

KEY NOTES:

- 1. CONCRETE CURB AND GUTTER (BY OTHERS)
- 2. CONCRETE BARRIER CURB (BY OTHERS)
- 3. ACCESSIBLE SIGNAGE, SEE SHEET C500 FOR DETAIL
- 4. ADA PEDESTRIAN RAMP, SEE SHEET C500 FOR DETAIL
- 5. 24" STOP BAR (BY OTHERS)
- 6. 4" WHITE STRIPING (BY OTHERS)
- 7. DIRECTIONAL ARROWS (BY OTHERS)
- 8. HANDICAP MARKINGS (BY OTHERS)
- 9. EXPANSION JOINT AT BUILDING, SEE SHEET C500 FOR DETAIL
- 10. 8'X8' CONCRETE TRANSFORMER PAD, SEE SHEET C501 FOR DETAIL
- 11. CONCRETE PAD FOR ATM AND CANOPY, SEE SHEET C501 FOR DETAIL
- 12. CONCRETE SIDEWALK, SEE SHEET C500 FOR DETAIL
- 13. CONCRETE SIDEWALK (BY OTHERS)
- 14. PIVOTING CLEARANCE BAR, SEE SHEET C501 FOR FOUNDATION DETAIL
- 15. 6" BOLLARD, SEE SHEET C501 FOR DETAIL
- 16. 4" BOLLARD, SEE SHEET C501 FOR DETAIL
- 17. FIXED BARRIER TBD
- 18. LIGHTED SECURITY BOLLARD @ 36" O.C. SEE ARCHITECTURAL FOR DETAIL
- 19. SIDEWALK AT BUILDING ENTRANCE, SEE SHEET C500 FOR DETAIL

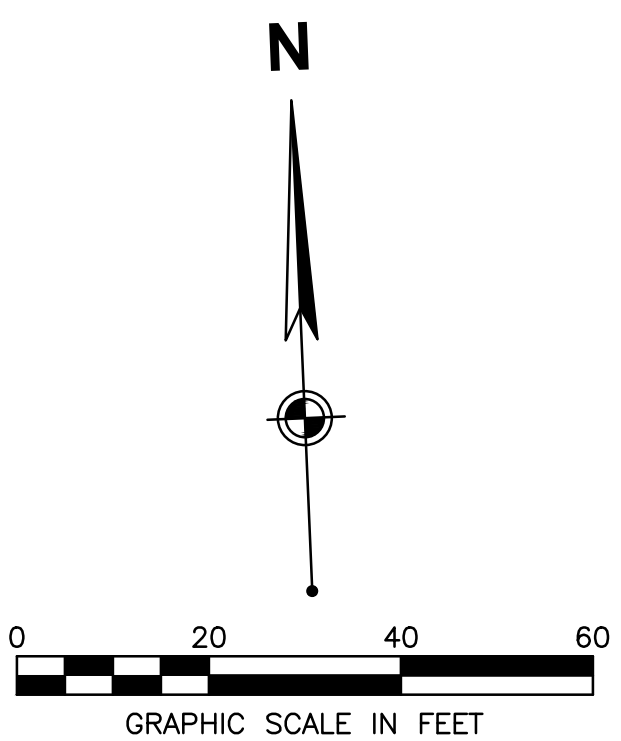


SITE NOTES:

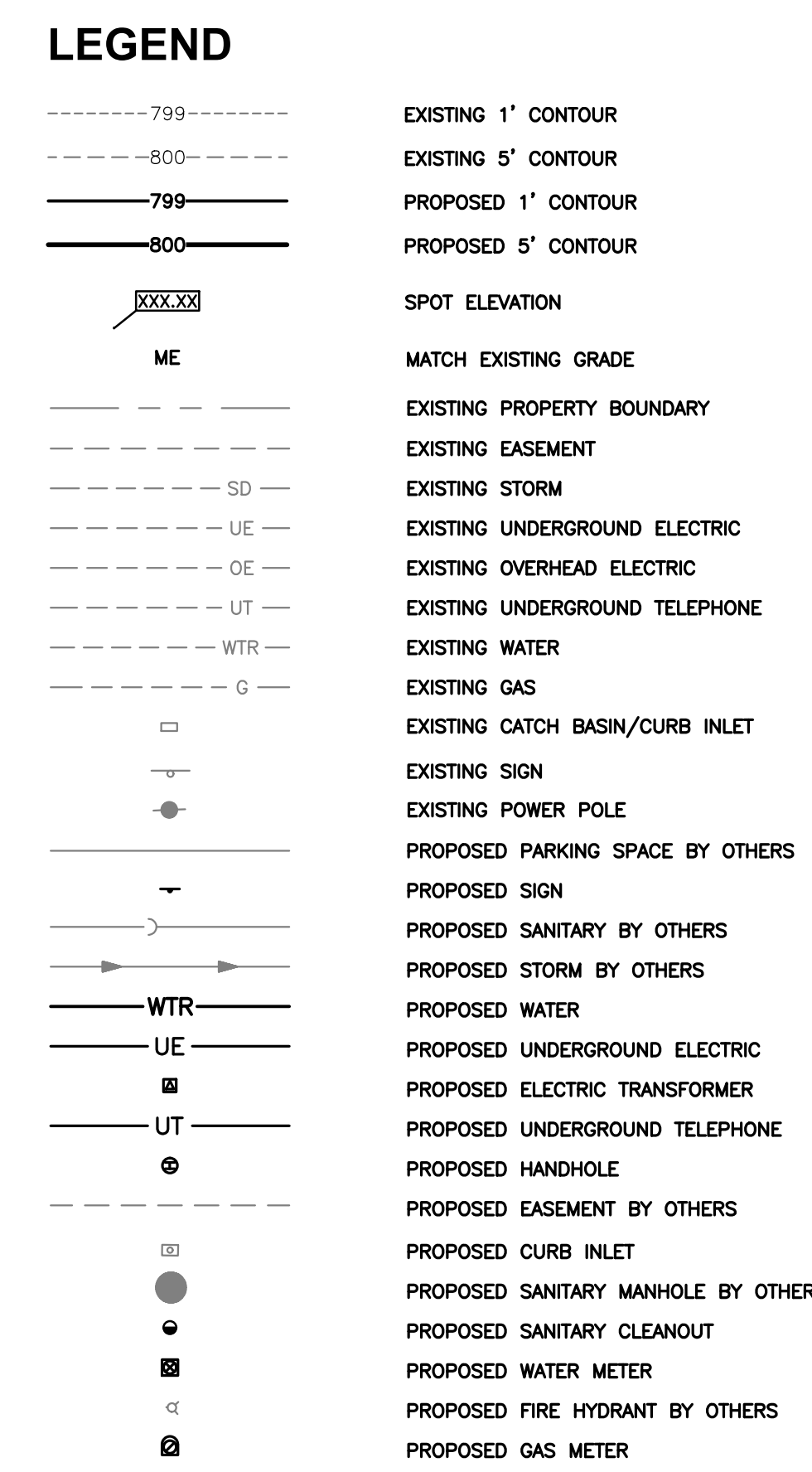
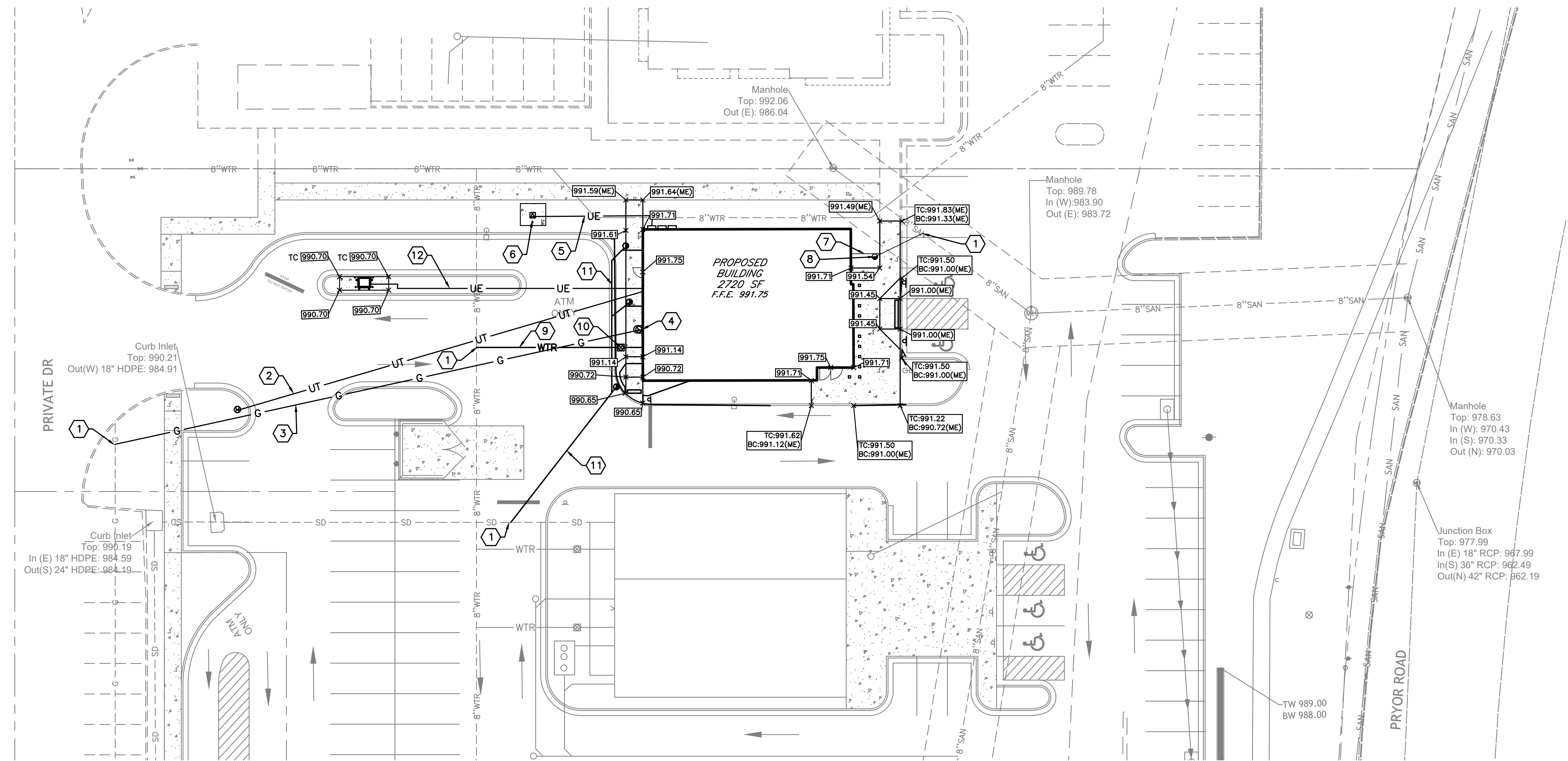
- 1. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER IMMEDIATELY.
- 2. EXISTING SITE INFORMATION AND TOPOGRAPHIC SURVEY WAS PREPARED BY ENGINEERING AND SURVEYING SOLUTIONS, DATED SEPTEMBER 1, 2021. ANY SITE CHANGES/MODIFICATIONS MADE AFTER THIS SURVEY ARE NOT REFLECTED IN THESE PLANS. CONTRACTOR TO NOTIFY WOOLPERT, INC. OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. ITEMS INDICATED AS PER RECORDS AND OUTSIDE THE SURVEY LIMITS ARE BASED ON VARIOUS RECORD DRAWINGS PROVIDED BY THE OWNER, WOOLPERT IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
- 3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES (INCLUDING THOSE LABELED PER RECORDS) PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS. INFORM ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS DETRIMENTAL TO THE DESIGN INTENT.
- 4. 48 HOURS PRIOR TO COMMENCEMENT OF DIGGING, CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE MISSOURI UTILITY PROTECTION SERVICES #11, AND ALL OTHER AGENCIES THAT MAY HAVE UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS AND ARE NON-MEMBERS OF MISSOURI UNDERGROUND PROTECTION SERVICES.
- 5. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.
- 6. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND OWNER'S REPRESENTATIVE FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- 7. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- 8. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO COMMENCING WORK.
- 9. ANY WORK PERFORMED IN LEE'S SUMMIT, MISSOURI RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE LEE'S SUMMIT, MISSOURI REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
- 10. THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE MISSOURI DEPARTMENT FOR ENVIRONMENTAL PROTECTION FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS. OWNER WILL OBTAIN NPDES PERMIT.
- 11. ALL CONSTRUCTION WORK SHALL BE DONE IN ACCORDING TO THE CITY OF LEE'S SUMMIT DESIGN & CONSTRUCTION MANUAL. WHEN IN CONFLICT WITH PLANS, THE CITY REQUIREMENTS SHALL PREVAIL.
- 12. ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- 13. THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- 14. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVED SURFACES.
- 15. SITE WORK CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH TO ALL SURFACES. SITE WORK CONCRETE SHALL BE CLASS A (4,000 PSI @ 28 DAYS) UNLESS OTHERWISE NOTED.
- 16. ALL DAMAGE TO EXISTING PAVEMENT, SIDEWALK, CURB, LANDSCAPING, UTILITIES, AND ANY OTHER ITEMS TO REMAIN, WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
- 17. SITE DIMENSIONS SHOWN ARE TO THE BACK OF CURB, BUILDING, WALL, EDGE OF PAVEMENT, OR COLUMN LINE UNLESS OTHERWISE NOTED.
- 18. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON-SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
- 19. THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION/DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, LANDSCAPING, ETC.
- 20. SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE MISSOURI MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 21. CONCRETE WALKS SHALL BE 4" THICK OVER 4" COMPACTED GRAVEL WITH CONTROL JOINTS EQUALLY SPACED AT NO MORE THAN 5' ON CENTER. EXPANSION JOINTS AT NO MORE THAN 50' ON CENTER. ALL SIDEWALKS ARE TO BE BROOM FINISHED.



Know what's below.
Call before you dig.



Layout Tab Name: C300 GRADING AND UTILITY PLAN, Images: SBB B&W Stacked Logo.jpg; 524-0388-02b_PNC\MO\LeeSummit_L_R22_CENTRAL-PNC-Bank-Logo-626917.png; Xrefs: 82468-p.dwg; 82468TBLK.dwg
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KEYNOTES

- 1. CONNECT TO EXISTING UTILITY PER AGENCY REQUIREMENTS
- 2. PRIMARY TELEPHONE, INTERNET CONNECTION AND CABLE TV 2-4" CONDUITS
- 3. NATURAL GAS LINE
- 4. NATURAL GAS METER, COORDINATE WITH MISSOURI GAS ENERGY
- 5. SECONDARY ELECTRIC SERVICE
- 6. TRANSFORMER AND PAD, COORDINATE WITH EVERGY MISSOURI WEST
- 7. SANITARY LATERAL - 23 LF 6" SDR 35
- 8. PLUMBING - SANITARY CLEANOUT
- 9. DOMESTIC WATER - 2" WATERLINE SUPPLY
- 10. WATER METER PIT
- 11. PROPOSED 6" PVC ROOF DRAIN CONNECTION AT 1.0% MIN. CONNECT TO EXISTING STORM SEWER
- 12. 2 3" ELECTRICAL CONDUIT FOR ATM

UTILITY CONTACTS

NATURAL GAS SERVICE
SPIRE
KATIE DARNELL
816-969-2247
Katie.darnell@spireenergy.com

ELECTRIC SERVICE
EVERGY
NATHAN MICHAEL
913-347-4310
Nathan.michael@kcpl.com

WATER/SANITARY SEWER SERVICE
WATER UTILITIES DEPARTMENT
1200 SE HAMLEN ROAD
LEE'S SUMMIT, MO 64081
JEFF THORN
816-969-1900
jeff.thorn@cityoflees.net

NOTES:

- 1. THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
 - 2. BEFORE INSTALLATION OF STORM SEWER, SANITARY SEWER, ELECTRICAL CONDUIT, WATERLINE OR ANY OTHER UTILITY, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS, BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ARCHITECT/ENGINEER/CONSTRUCTION MANAGER OF ANY CONFLICTS. THE DESIGN ENGINEER WILL BE HELD HARMLESS IF NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
 - 3. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
 - 4. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. RELOCATE EXISTING UTILITIES AS INDICATED, OR AS NECESSARY FOR CONSTRUCTION.
 - 5. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO INSTALLATION OF PAVED SURFACES.
 - 6. ALL DAMAGE TO EXISTING PAVEMENT, SIDEWALK, CURB, LANDSCAPING, UTILITIES, AND ANY OTHER ITEMS TO REMAIN, WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTOR'S EXPENSE.
 - 7. CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON-SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
 - 8. REFER TO THE ARCHITECTURAL, PLUMBING & ELECTRICAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
- SITE EARTHWORK NOTES**
- 1. ALL PROPOSED GRADES SHOWN ARE FINAL GRADES, TOP OF GROUND LEVEL, OR TOP OF PAVEMENT, OR GRATE ELEVATION AT THE DRAINAGE POINT, UNLESS INDICATED OTHERWISE.
 - 2. SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING AND REMOVAL OF UNSUITABLE MATERIAL FROM PAD SITE, THEN PLACEMENT AND COMPACTION OF BACKFILL MATERIAL PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
 - 3. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
 - 4. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
 - 5. EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDERCUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
 - 6. CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
 - 7. PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTRIBUTED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (4" MINIMUM).

- 8. ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK BY IMPORTING OR EXPORTING AS NECESSARY TO ACHIEVE DESIGN GRADES AND SPECIFICATIONS.

STORM DRAINAGE NOTES

- 1. DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED, CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
- 3. ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- 4. FOR EXACT LOCATION OF DOWNSPOUTS AND ROOF DRAINS, CONTRACTOR IS TO COORDINATE WITH ARCHITECTURAL AND PLUMBING DRAWINGS.
- 5. ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER.
- 6. THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTION ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE DETENTION BASIN.
- 7. STORM SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL--AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, ASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.

UTILITY NOTES

- 1. ALL PROPOSED UTILITY LINES AND EXTENSIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT SPECIFICATIONS. CONTRACTOR SHALL COORDINATE UTILITY DISCONNECTIONS WITH THE APPROPRIATE AGENCIES.
- 2. THE CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION AND REQUEST FIELD VERIFICATION OF UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE EXISTING UTILITIES CONFLICTING WITH IMPROVEMENTS SHOWN HEREON IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- 3. MAINTAIN MINIMUM 10-FOOT HORIZONTAL AND MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER, STORM SEWER AND WATER SUPPLY LINE, UNLESS OTHERWISE INDICATED.

- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES, GAS LINES, AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO PAVEMENT CONSTRUCTION.
- 5. ALL TRENCH SPOILS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED.

- 6. SANITARY SEWER SHALL BE PVC-SDR 35 PER ASTM D-3034 OR APPROVED EQUAL (CONFORMING TO CITY OF LEE'S SUMMIT WATER UTILITIES RULES AND REGULATIONS) INSTALLED AT A MINIMUM SLOPE OF ONE PERCENT (1.00%) UNLESS OTHERWISE NOTED. SANITARY SERVICE SHALL BE INSTALLED AT A MINIMUM DEPTH OF FOUR FEET (4') UNLESS OTHERWISE NOTED. A MINIMUM OF 18" CLEARANCE SHALL BE MAINTAINED AT ALL WATERLINE & STORM SEWER CROSSINGS. SANITARY SERVICE JOINTS SHALL CONFORM TO ASTM D-3212.

- 7. SANITARY SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL--AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, ASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE.

- 8. ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.

- 9. ADJUST ALL EXISTING UTILITY SURFACE FEATURES INCLUDING BUT NOT LIMITED TO CASTINGS, VALVE BOXES, PEDESTALS, CLEANOUTS, ETC. TO MATCH PROPOSED FINISHED GRADES, UNLESS OTHERWISE INDICATED.

- 10. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF ALL IMPROVEMENTS. INCLUDE AT LEAST TWO DIMENSIONS TO EACH VALVE AND MANHOLE FROM KNOWN SITE FEATURES. DRAWINGS SHALL INCLUDE HORIZONTAL AND VERTICAL INFORMATION ON ALL NEW UTILITIES AS WELL AS EXISTING UTILITIES ENCOUNTERED.

- 11. MECHANICAL/ELECTRICAL CONTRACTORS SHALL BRING ALL UTILITIES 5' OUTSIDE BUILDING WALL. COORDINATE WITH CONSTRUCTION MANAGER/ARCHITECT/ENGINEER/OWNER.

- 12. ALL WATERLINE CROSSINGS SHALL MAINTAIN A VERTICAL SEPARATION OF 18" MINIMUM. SANITARY SEWER SHALL BE LOCATED A MINIMUM OF 18" BELOW WATERLINE AT ALL CROSSINGS. WATERLINE SHALL BE LOCATED A MINIMUM OF 10' HORIZONTALLY FROM ANY SANITARY SEWER OR STORM SEWER. ALL MEASUREMENTS SHALL BE TAKEN FROM OUTSIDE OF SEWER PIPE TO THE OUTSIDE OF WATERLINE PIPE. ONE FULL LENGTH OF WATERLINE PIPE SHALL BE LOCATED AT ALL CROSSINGS TO ENABLE BOTH JOINTS TO BE LOCATED AS FAR FROM SEWER AS POSSIBLE.

- 13. ALL WATER SERVICE PIPE, 2" AND SMALLER, SHALL BE K SOFT COPPER FROM WATERMAIN THRU CURB STOP; K SOFT COPPER OR LEE'S SUMMIT WATER UTILITIES APPROVED POLYTUBING FROM CURB STOP THRU METER SETTING IN BUILDING.

- 14. WATERLINE IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL--AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, FREE OF SILT AND FINES, ASHTO M43 SIZE #67, 7 OR 8. BEDDING TO BE MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE



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PROJECT TITLE:
PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:
WEST PRYOR DEVELOPMENT, LOT
9A NEW PRYOR RD. & NW SUMMIT
WOODS XING, LEE'S SUMMIT, MO
64081



NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: MTF
DRAWN BY: TAB
DESIGNED BY: TAB

PROJECT NUMBER:
5240368028
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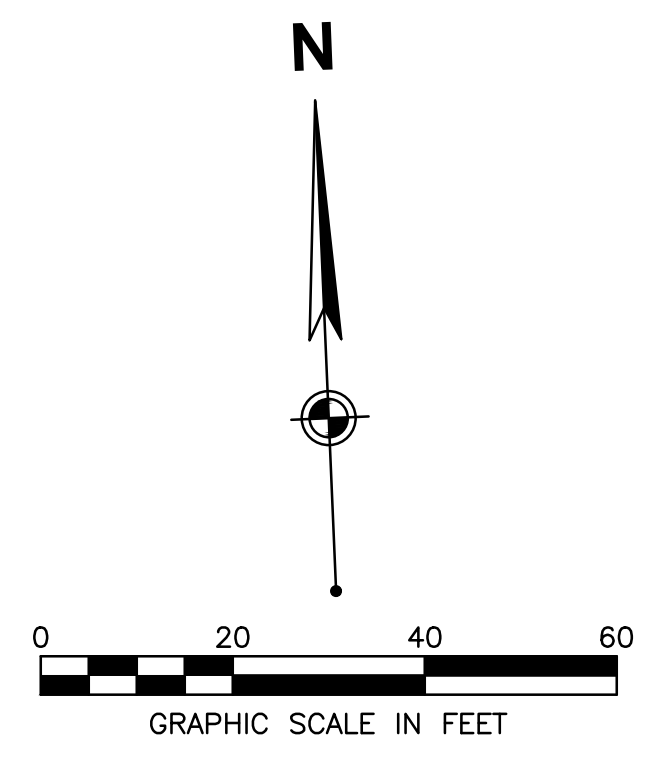
SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET ID:

C300

PROJECT STATUS:
PERMIT DOCUMENTS





PROJECT TITLE:

PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:

WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS XING, LEE'S SUMMIT, MO 64081

PROJECT NO. 2022-009
WEST PRYOR DEVELOPMENT
NEW PRYOR ROAD WOODS
LEE'S SUMMIT, MISSOURI



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022

REVIEWED BY: MTF

DRAWN BY: TAB

DESIGNED BY: TAB

PROJECT NUMBER: 5240368028

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SHEET TITLE:

LANDSCAPE PLAN

SHEET ID:

C400

PROJECT STATUS:

PERMIT DOCUMENTS

LANDSCAPE NOTES

- EXISTING SITE INFORMATION/TOPOGRAPHIC SURVEY WAS PREPARED BY ENGINEERING AND SURVEYING SOLUTIONS, DATED SEPTEMBER 1, 2021.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET WITHIN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
- LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES, PRIOR TO DIGGING, IS RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- PRIOR TO INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SUBGRADE, GENERAL SITE CONDITIONS, VERIFY ELEVATIONS, UTILITY LOCATIONS, IRRIGATION, APPROVE TOPSOIL PROVIDED BY GENERAL CONTRACTOR AND OBSERVE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. NOTIFY GENERAL CONTRACTOR OF ANY UNSATISFACTORY CONDITIONS. WORK SHALL NOT PROCEED UNTIL SUCH CONDITIONS HAVE BEEN CORRECTED AND ARE ACCEPTABLE TO THE LANDSCAPE CONTRACTOR AND/OR CONSTRUCTION MANAGER.
- GENERAL AND LANDSCAPE CONTRACTOR ARE RESPONSIBLE FOR PROTECTING EXISTING TREES FROM DAMAGE DURING CONSTRUCTION. GENERAL CONTRACTOR TO INSTALL TREE PROTECTION FENCING PRIOR TO ANY SITE WORK.
- ALL SHRUB AND GROUND COVER BEDS TO BE MULCHED WITH A MINIMUM OF 3 INCHES OF CLEAN SHREDDED HARDWOOD MULCH.
- PLANTING HOLES TO BE DUG A MINIMUM OF TWICE THE WIDTH AND 6-12 INCHES DEEPER THAN THE SIZE OF THE ROOT BALL OF BOTH SHRUB AND TREE. AMEND BACKFILL WITH TOPSOIL MIX. BACKFILL AND TAMP BOTTOM OF HOLE PRIOR TO PLANTING SO TOP OF ROOT BALL DOES NOT SETTLE BELOW SURROUNDING GRADE.
- TOPSOIL MIX TO BE 4 PARTS SCREENED TOPSOIL AND 1 PART ORGANIC MATERIAL (i.e. NATURE'S HELPER OR PRO MIX).
- EXISTING GRASS IN PROPOSED PLANTING AREAS TO BE REMOVED AND AREA TO BE HAND RAKED TO REMOVE ALL ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER PRIOR TO PLANTING SHRUBS.
- SOIL TO BE TESTED TO DETERMINE FERTILIZER AND LIME REQUIREMENTS. LIME AND FERTILIZER TO BE DISTRIBUTED PRIOR TO LAYING SOD. ALL DISTURBED AREAS (INCLUDING RIGHT-OF-WAYS) NOT RECEIVING PLANTINGS TO RECEIVE 4 INCHES OF TOPSOIL AND SODDED.
- ALL CHANGES TO DESIGN AND/OR PLANT SUBSTITUTIONS TO BE AUTHORIZED BY LANDSCAPE ARCHITECT.
- ALL PARKING ISLANDS AND AREAS BEHIND CURB TO BE BERMED UP 6"-10" WITH CLEAN FRABLE TOPSOIL PRIOR TO PLANTING.
- ALL LANDSCAPING SHALL BE INSTALLED IN CONFORMANCE WITH ANSI Z60.1 THE AMERICAN STANDARD FOR NURSERY STOCK, AND THE ACCEPTED STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS INSTALLED FOR ONE FULL YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. ALL PLANTS SHALL BE ALIVE AND AT A VIGOROUS RATE OF GROWTH AT THE END OF THE GUARANTEE PERIOD. THE LANDSCAPE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ACTS OF GOD OR VANDALISM.
- ANY PLANT THAT IS DETERMINED DEAD, IN AN UNHEALTHY OR UNSIGHTLY CONDITION, LOST ITS SHAPE DUE TO DEAD BRANCHES OR OTHER SYMPTOMS OF POOR, NON-VIGOROUS GROWTH SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR WITH THE COST OF THE REPLACEMENT INCLUDED IN THE BID OR PROPOSAL PRICE.
- WATER THOROUGHLY TWICE IN THE FIRST 24 HOURS AND APPLY MULCH IMMEDIATELY.
- SCREENING AND LANDSCAPING SHALL BE PROVIDED AS REQUIRED BY ARTICLE 18 OF THE ZONING ORDINANCE.
- ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO THE PLANTING SPECIFICATIONS OF THE LFUGG PLANTING MANUAL.
- SITE TO BE 100% IRRIGATED BY AN AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM. IRRIGATION LAYOUT PROVIDED BY DESIGN-BUILD CONTRACTOR.

LANDSCAPING REQUIREMENTS

LEE'S SUMMIT, MISSOURI
SUBDIVISION 3 - SECTION 8.790 - LANDSCAPE MINIMUM REQUIREMENTS

STREET FRONTAGE

PRYOR ROAD - 75'

REQUIRED:
STREET TREES 1/30' = 3
SHRUBS 1/20' = 4

PROVIDED BY OTHERS*:
ORNAMENTALS = 3
SHRUBS = 15

PRIVATE ROAD WEST - 95'

REQUIRED:
STREET TREES 1/30' = 3
SHRUBS 1/20' = 5

PROVIDED BY OTHERS*:
ORNAMENTALS = 11
SHRUBS = 10

INTERIOR PARKING

TOTAL PARKING SURFACE = 10,497 SF
REQUIRED:
5X LANDSCAPE AREA = 525 SF
PROVIDED = 871 SF

OPEN SPACE

OPEN SPACE AREA = 29,649 SF
REQUIRED TREES:
1 / 5000 SF = 6

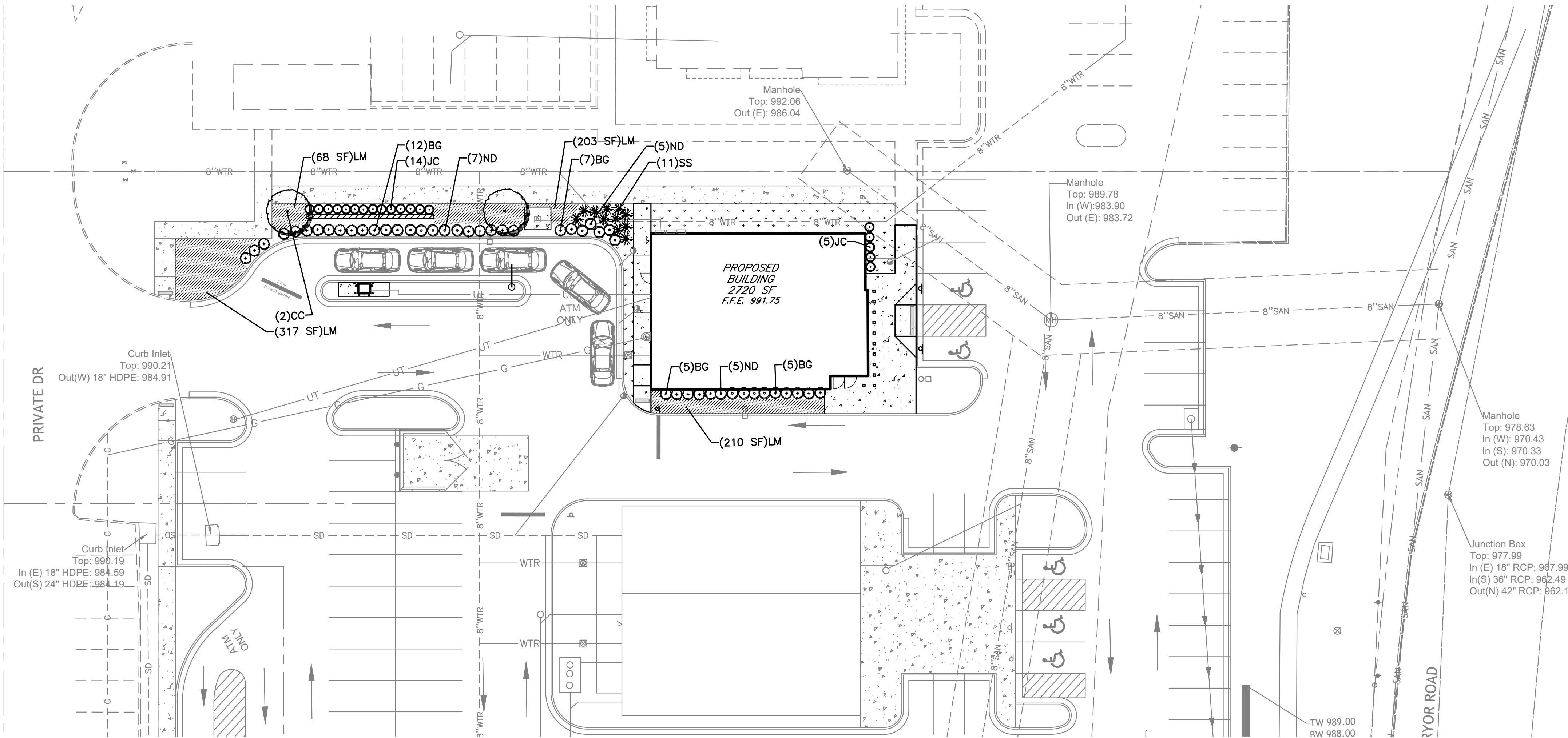
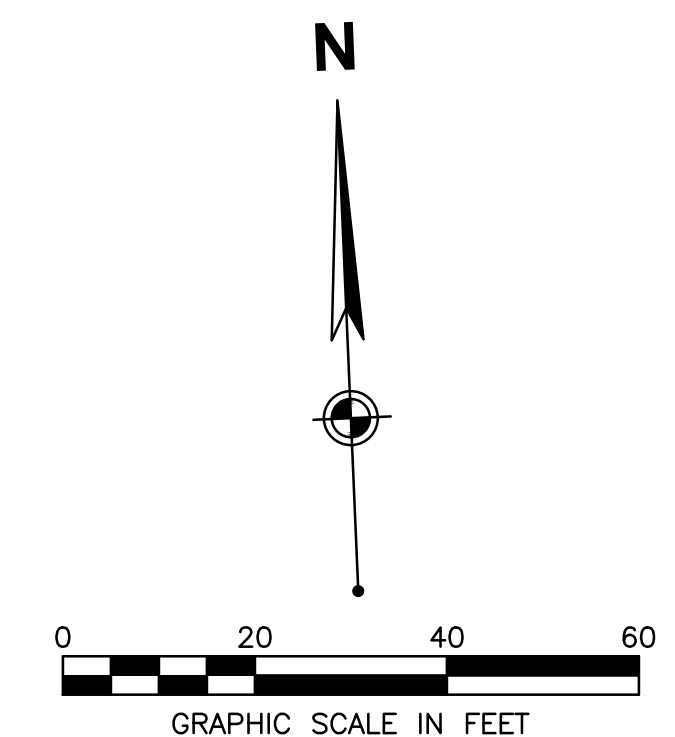
PROVIDED TREES BY OTHERS*:
SHADE TREES = 4
ORNAMENTAL TREES = 2

PROVIDED TREES BY PNC:
SHADE TREES = 2

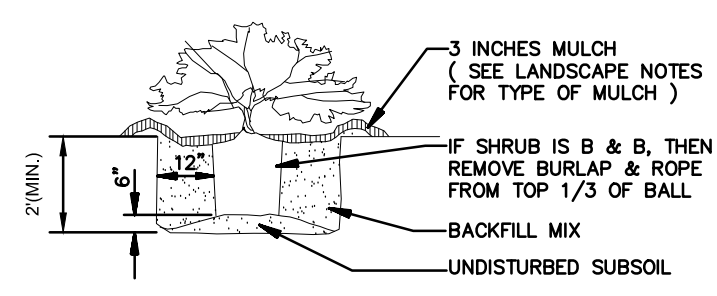
REQUIRED SHRUBS:
2 / 5000 SF = 12
PROVIDED SHRUBS BY OTHERS*:
SHRUBS = 10

PROVIDED SHRUBS BY PNC:
SHRUBS = 65

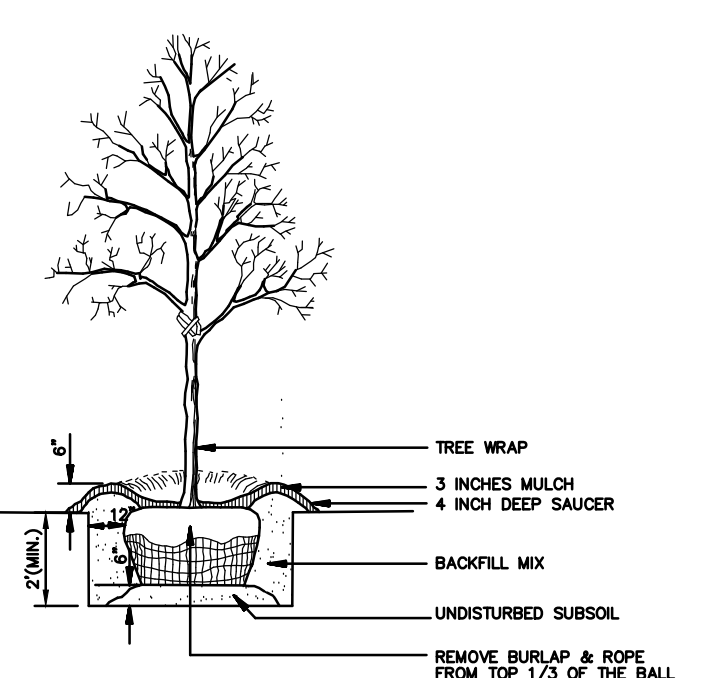
*SEE SHEET C9.0 OF LOT 9 WEST PRYOR DEVELOPMENT PLANS FOR REFERENCE



TAG	QTY	SCIENTIFIC NAME	COMMON NAME	COND.	SIZE	REMARKS
EVERGREEN SHRUB						
JC	19	Juniperus chinensis 'Sea Green'	Sea Green Juniper	#3 cont.	18"ht. x 18"wd.	Full, vigorous
BG	29	Buxus x 'Glencoe'	Chicagoland Green Boxwood	#3 cont.	18"ht. x 18"wd.	Full, vigorous
ND	17	Nandina domestica 'Firepower'	Firepower Nandina	#3 cont.	18"ht. x 18"wd.	Full, vigorous
GROUND COVER						
LM	798 sf	Liriope muscari 'Big Blue'	Big Blue Lilyturf	#1 cont.		12" on center
GRASSES						
SS	11	Schizachyrium scoparium	Little Blue Stem	#3 cont.	18"ht. x 18"wd.	Full, vigorous
TREES						
CC	2	Carpinus caroliniana	Hornbeam	B&B	3" cal. 14'ht. 7"wd	Full, well shaped



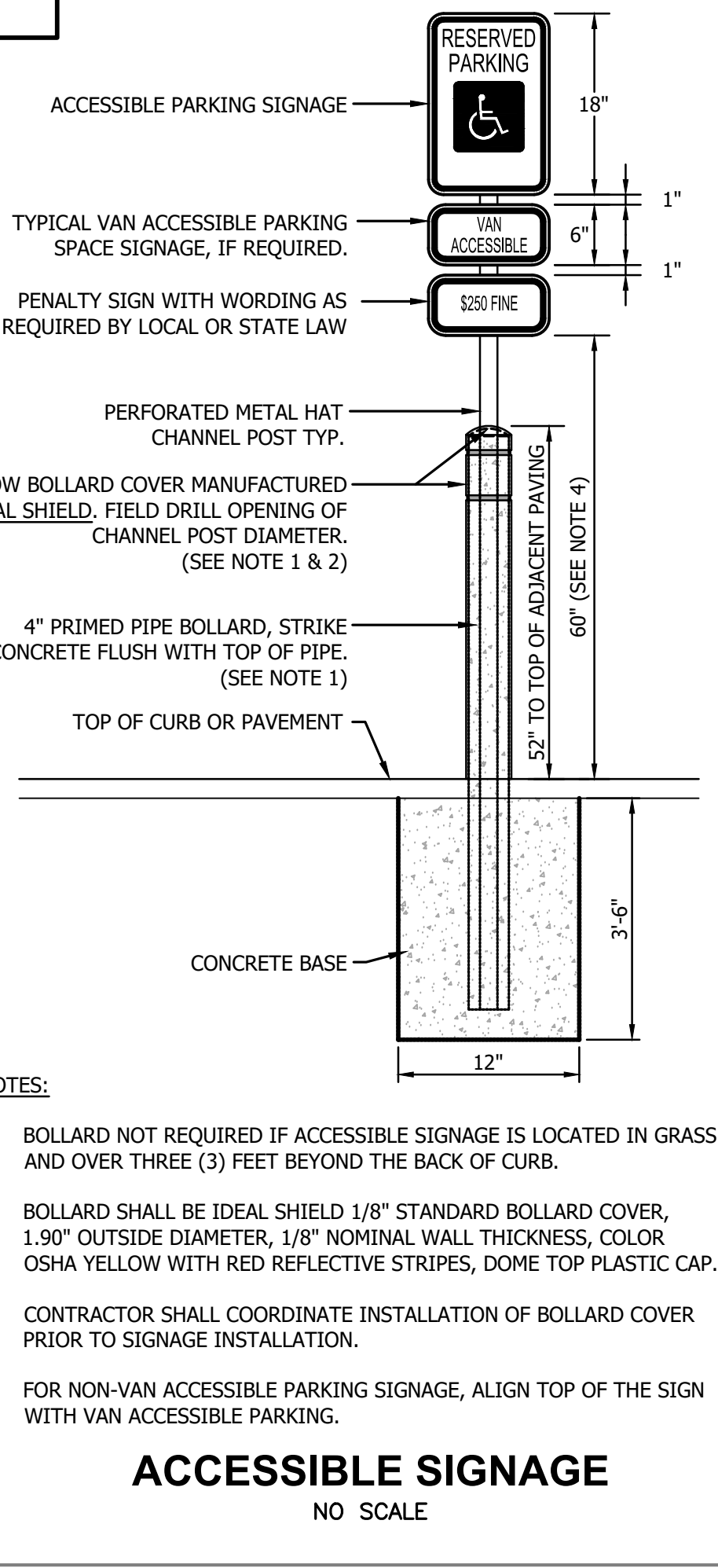
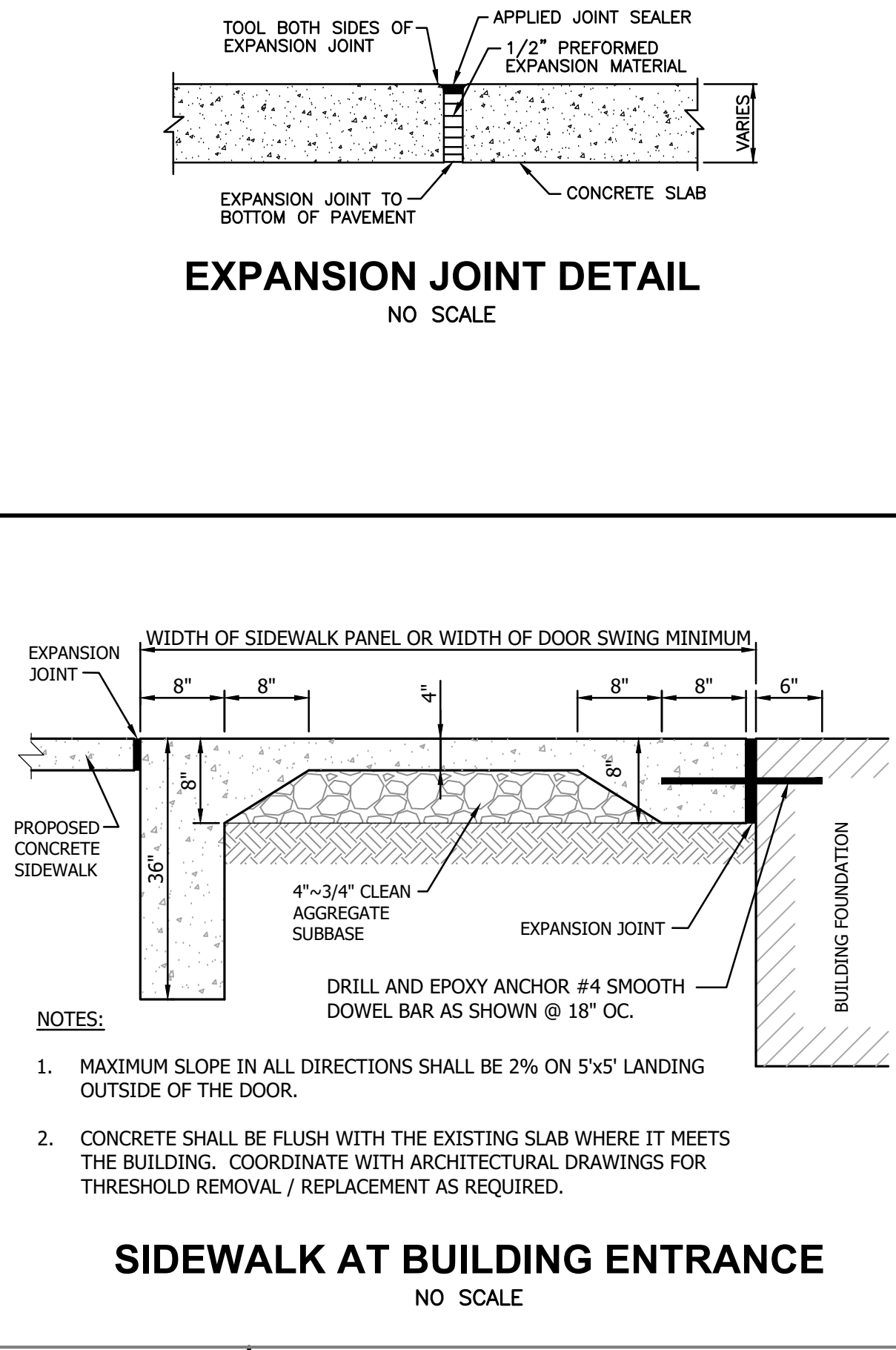
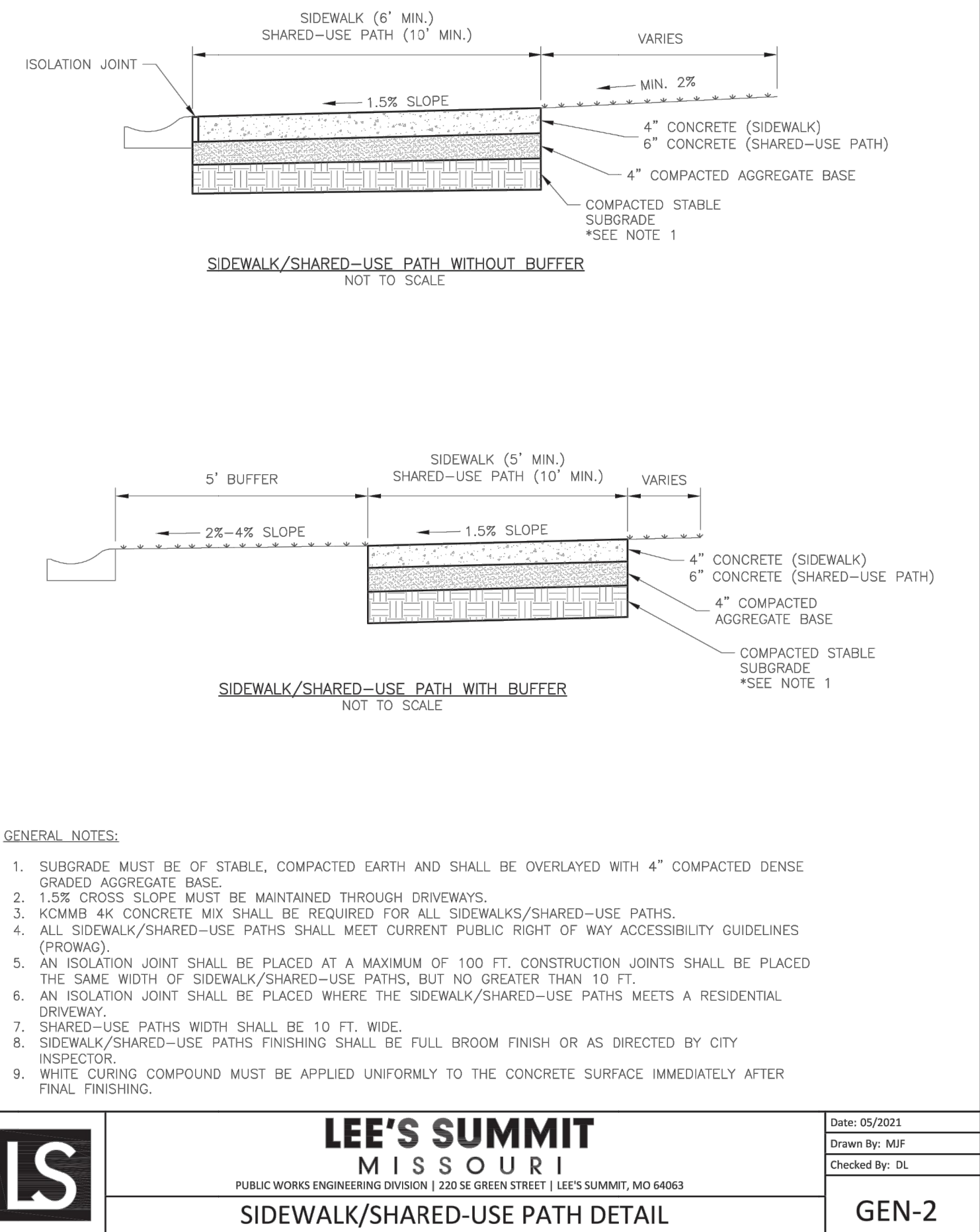
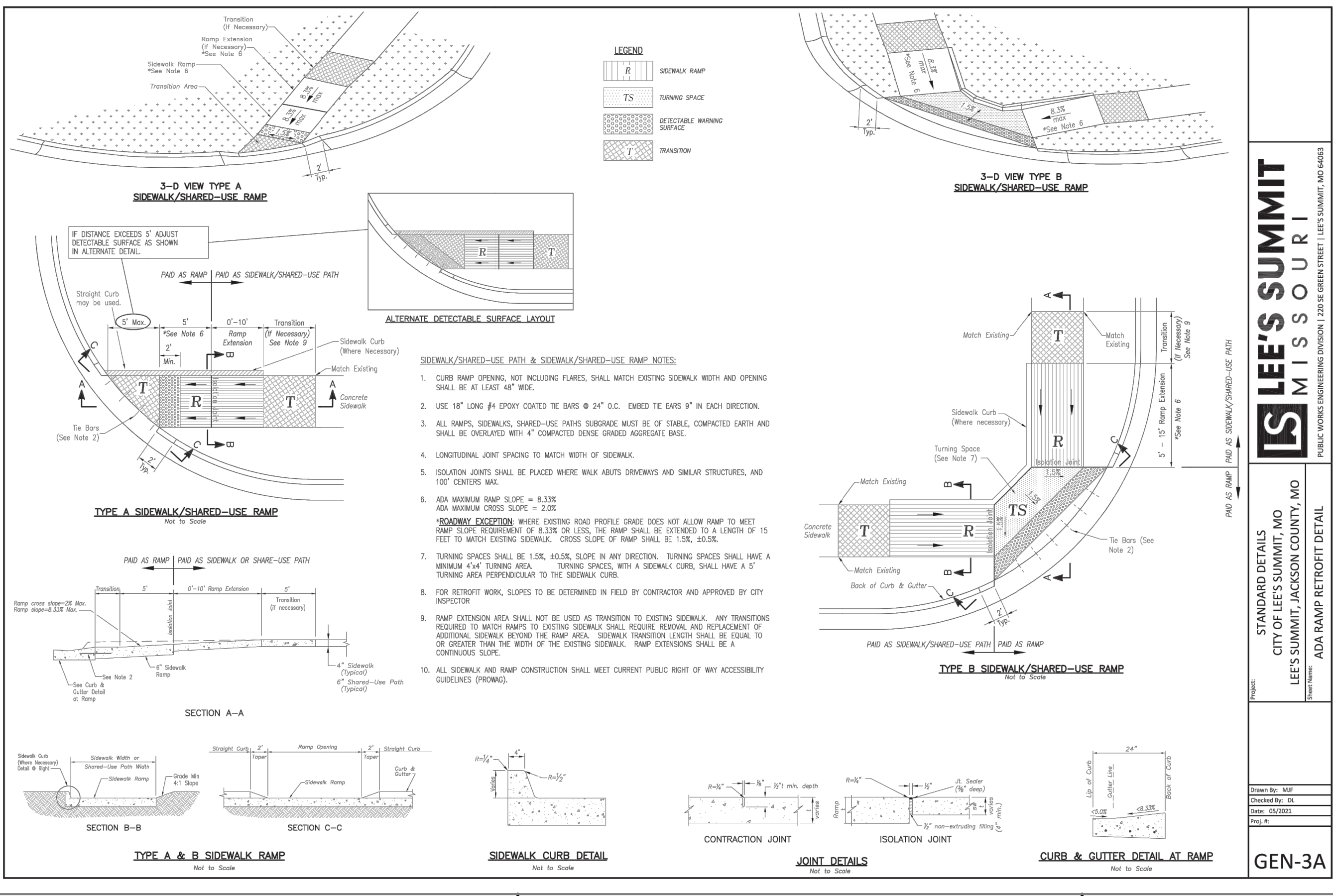
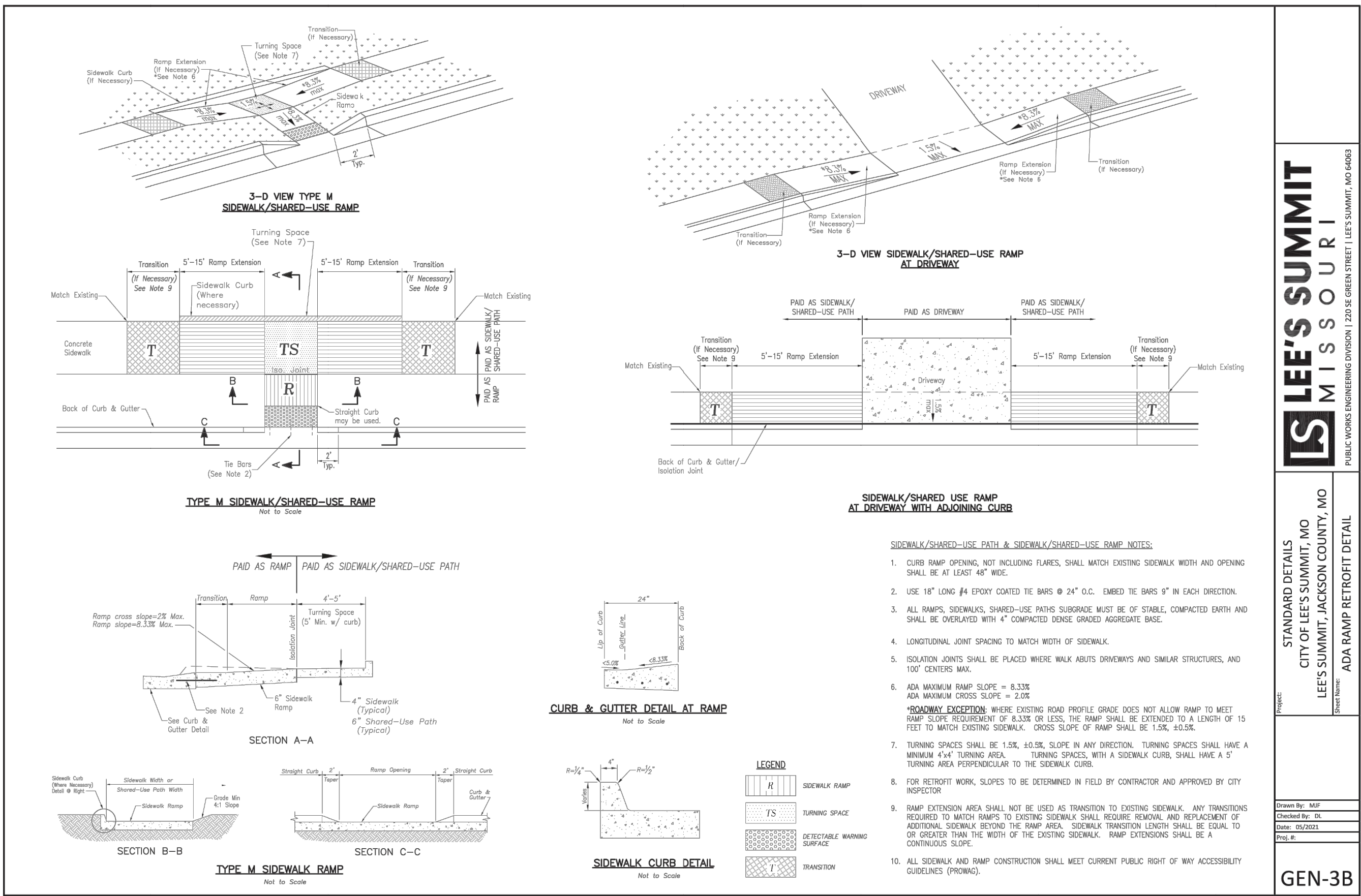
SHRUB PLANTING
N.T.S.



NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
TREE PLANTING
N.T.S.

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 4582 S ULSTER STREET
 SUITE 1100, DENVER, CO 80237
 303-409-9700 FAX 303-409-9701

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 MO LICENSE NOS. 2003019618 * 2003019638

PNC

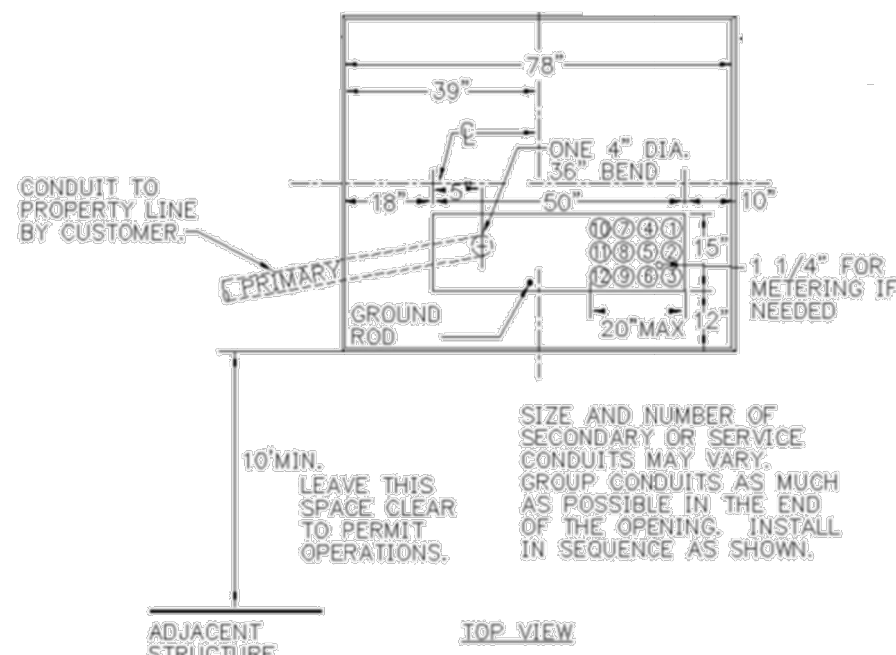
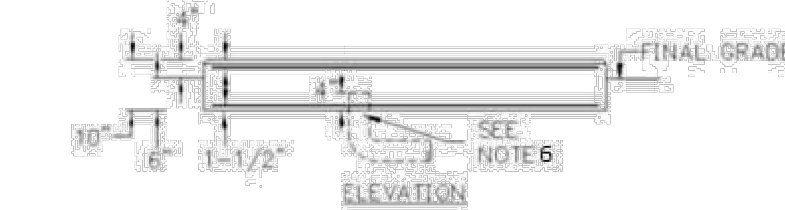
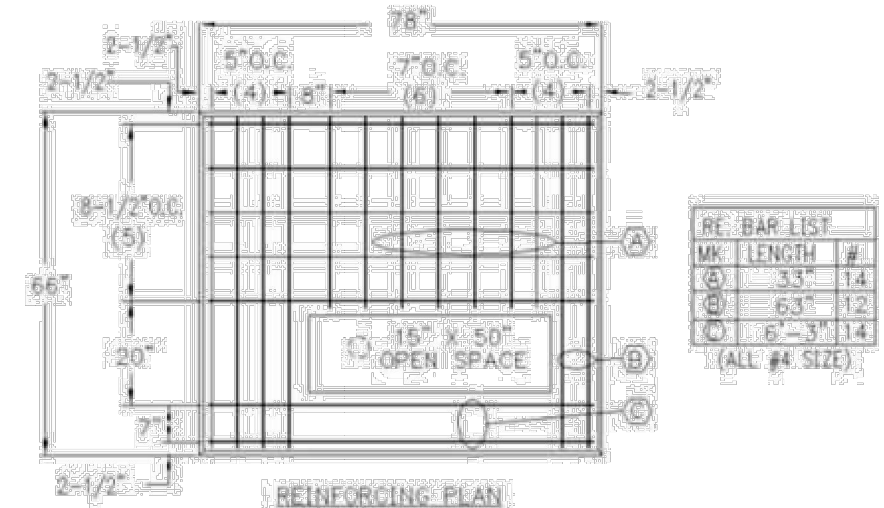
PROJECT TITLE:
 PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:
 WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS XING, LEE'S SUMMIT, MO 64081

PROJECT:
 LEE'S SUMMIT
 WEST PRYOR DEVELOPMENT
 LOT 9A
 NEW PRYOR ROAD
 WOODS XING
 LEE'S SUMMIT, MO 64081

STATE OF MISSOURI
 KERRY A. BURNETT
 LICENSE NUMBER 0329017
 REGISTERED PROFESSIONAL ENGINEER
 2-15-22

10.36 – Three Phase Transformer Pads (EKM, EMM, EMW Territory)
Cast in Place Concrete Base for 3-Phase Padmount Transformer 75KVA Through 500 KVA

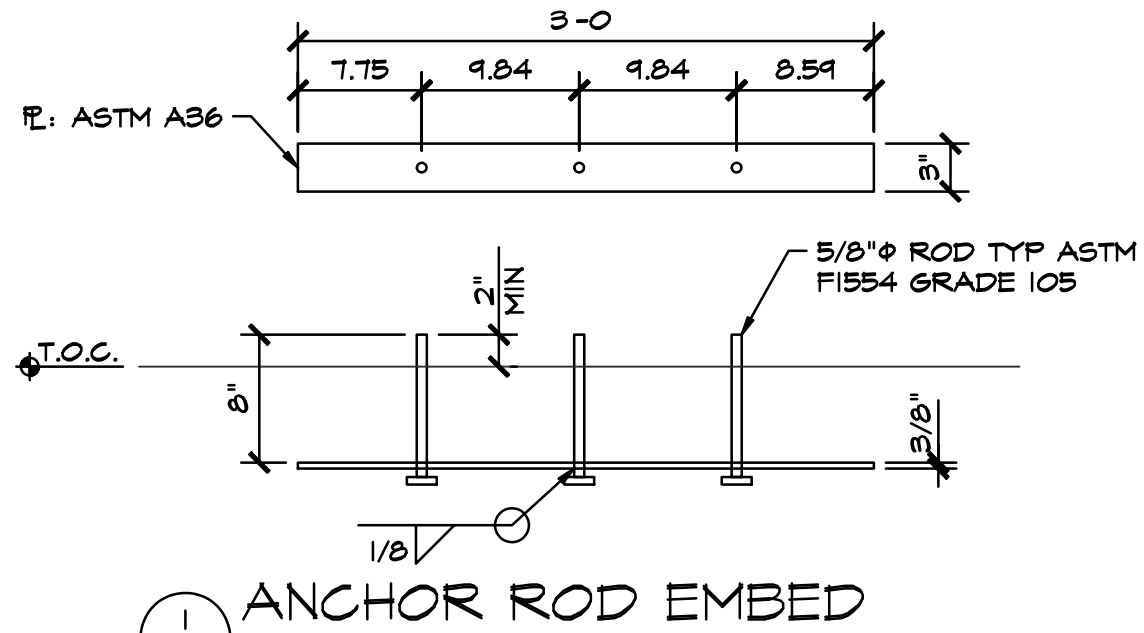


97

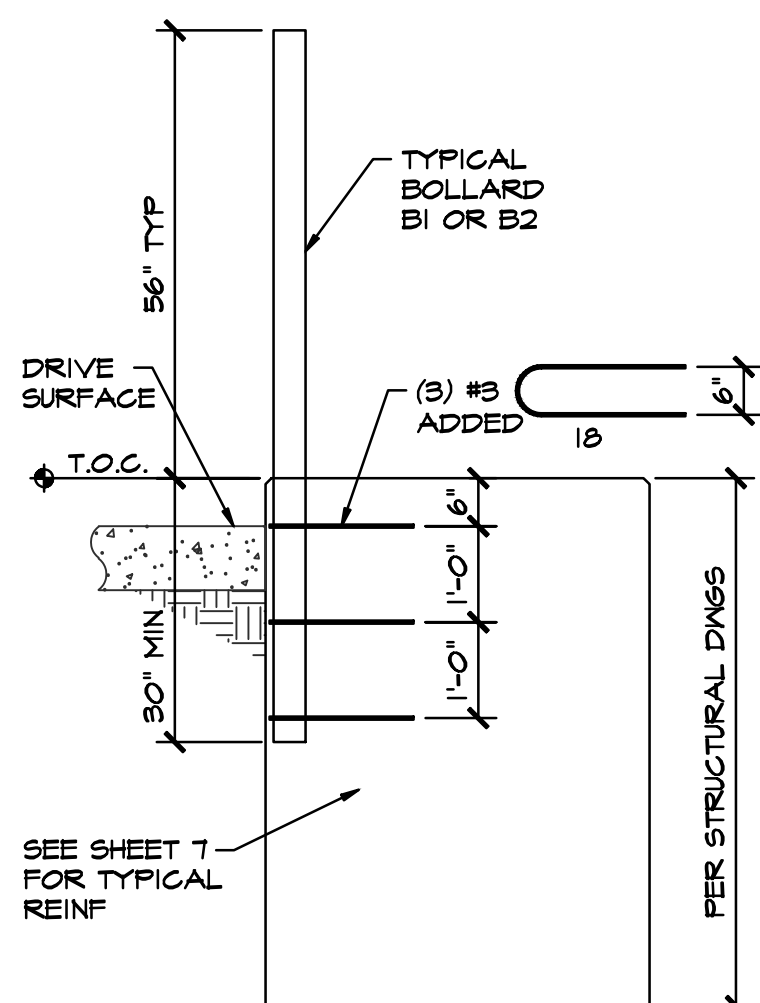
Revision: 4/21/20211

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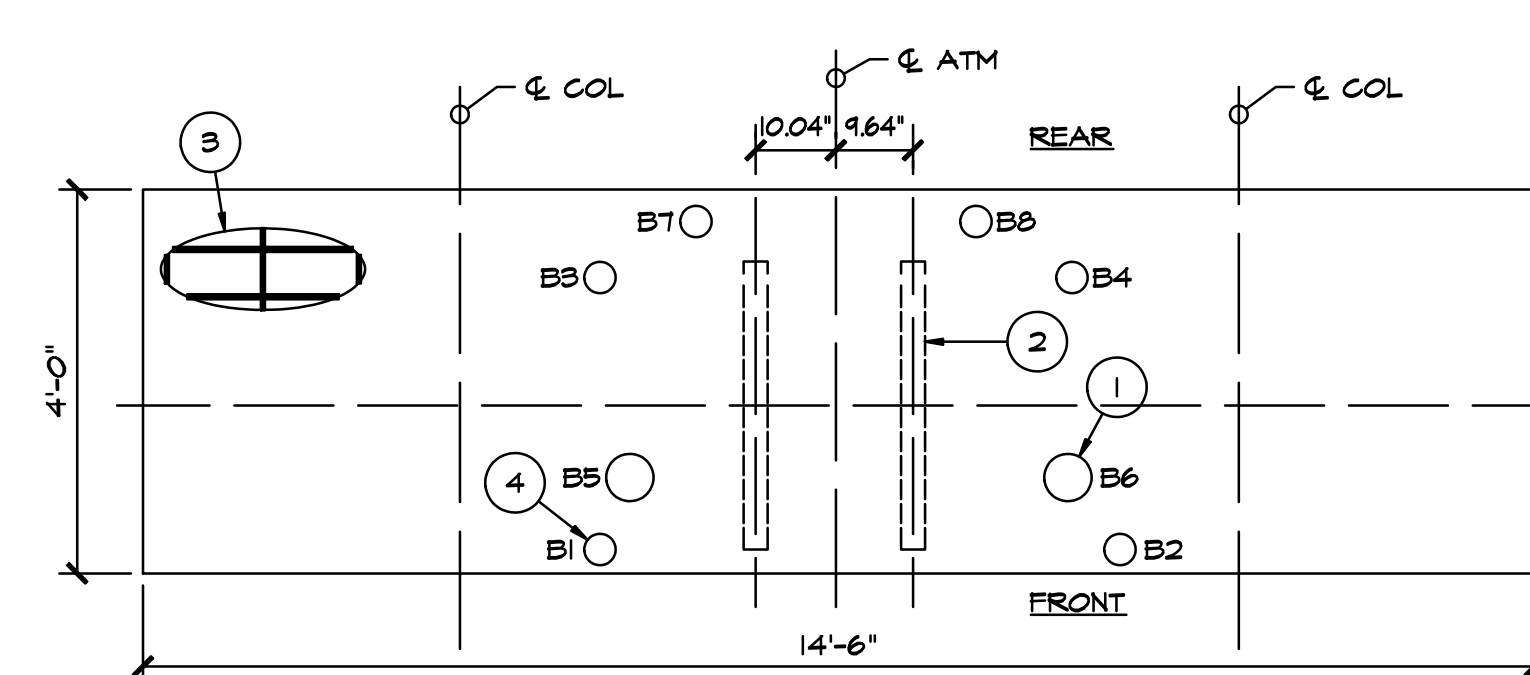
1. All concrete shall be air entrained and test 3000 psi (Min.) in 28 days
2. Direction of primary conduit to be provided by Company
3. Any above ground obstructions such as air conditioners, shrubs, plants, fences, gas meters, and gas lines shall not be within 10 feet of the front or 3 ft of the sides of the transformer pad. Clearances must also be followed set forth in drawing 10.42.
4. The sizing of this base is based upon average undisturbed earth. Backfill with compact dirt or AB3 only (do not use gravel) to the bottom of the pad. Install conduits level with the top of the pad and cover the ends of the conduits.
5. Center of the base must be within 15' of the edge of a paved area for crane access.
6. Conduit shall be 4" above bottom of concrete pad.



ANCHOR ROD EMBED



BOLLARD DETAIL



ISLAND PLAN

- 1 BOLLARDS-8 TOTAL ASTM A53 SCHEDULE 40 GALVANIZED (6) 4" DIAMETER SAFETY BOLLARD & (2) 6" DIAMETER (B5&B6) SECURITY BOLLARDS. SEE SHEET 1 OF 4 FOR LOCATIONS.
- 2 THREADED ROD EMBED. SET WITH TEMPLATE FOR PRECISE LOCATION. SEE (1/4)
- 3 REINF PROVIDED FOR SITE LOCATION ENGINEERING REQUIREMENTS SEE SHEET 1 OF 4
- 4 SEE (2/4) FOR ADDITIONAL REINFORCEMENT AT BOLLARD B1&B2

GENERAL NOTES:

1. THIS SHEET IS INTENDED TO BE ACCOMPANIED BY NCR6622 UPGRADED SITE PREP NOTES AND ACCESSORIES PAGE N-13 FOR ADDITIONAL REQ'D INFORMATION.
2. THIS SHEET IS ALSO PART OF COMPANION SYSTEMS INC (CSI) STRUCTURAL DRAWINGS FOR 3100/3101 PNC BANK CANOPY.
3. THIS DRAWING TO ACCOMPANY CSI DRAWINGS ON NEW ISLAND INSTALLATIONS ONLY. IT IS NOT TO BE USED FOR RETROFIT OR EXISTING ISLAND APPLICATIONS.

ATM PAD SECURITY BOLLARD DETAIL

NO SCALE- FOR REFERENCE ONLY

Layout Tab Name: C501 DETAILS, Images: 524-0368-028_PNCMOLeesSummit_A_R22_CENTRAL-PNC-Bank-Logo-626917.png, Xrefs: 82488TBLK.dwg
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PROJECT TITLE:
PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:
WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS XING, LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: MTF
DRAWN BY: TAB
DESIGNED BY: TAB
PROJECT NUMBER: 5240368028
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SHEET TITLE:
DETAILS

SHEET ID:
C501

PROJECT STATUS:
PERMIT DOCUMENTS

DESIGN CRITERIA
THIS FOUNDATION HAS BEEN DESIGNED TO MEET THE FOLLOWING CRITERIA:

SNOW LOAD	50 PSF
WIND SPEED	150 MPH
SEISMIC COEFF	1.5M (WORST CASE)
MAX. IMPACT FORCE	650LBS @ 3' ABOVE ANCHORS

ANY USE OF THIS DRAWING FOR A LOCATION OTHER THAN THE LOCATION INDICATED BELOW IS PROHIBITED AND WILL MAKE THESE DRAWINGS INVALID.

GENERAL NOTES:

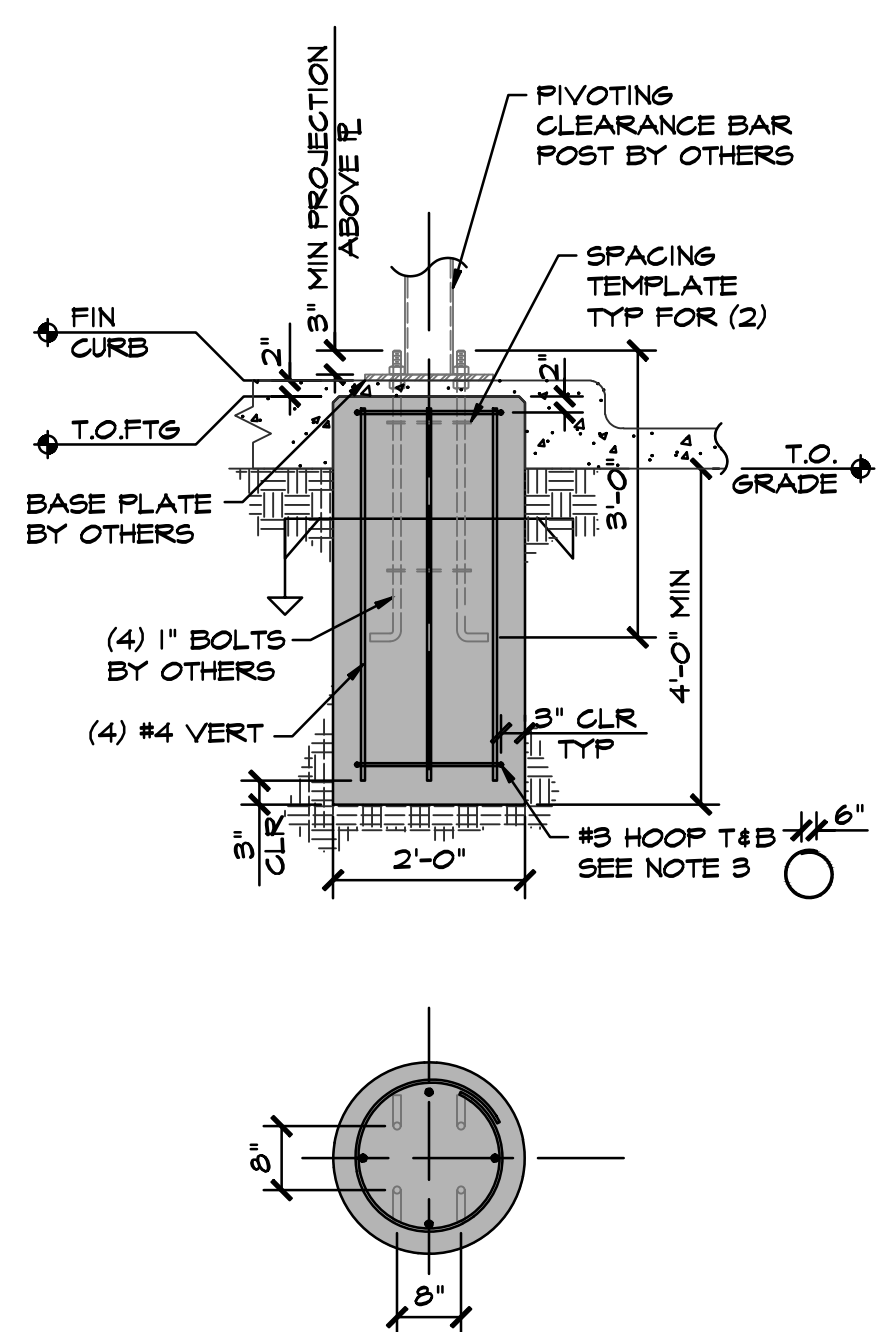
1. CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE, INDICATED ON SHEET 3
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.

FOUNDATIONS:

1. EXCAVATIONS SHALL BE CLEANED OF ALL DEBRIS. STANDING WATER SHALL BE REMOVED.
2. FOUNDATIONS DESIGNED USING THE FOLLOWING VALUES
ALLOWABLE PRESSURE: 1500 PSF
PIER LATERAL BEARING: 100 PSF/2"+200 PSF/FT OF DEPTH
*INCREASE ALLOWED PER 1806.3.4.

CONCRETE & REINFORCING STEEL:

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-14.
2. THE MIN 28 DAY STRENGTH & TYPE OF CONCRETE SHALL BE AS FOLLOWS:
FOUNDATIONS 4000 PSI (150 PCF)
3. NOTE: #3 HOOP IS NON-STRUCTURAL FOR INSTALLATION EASE ONLY

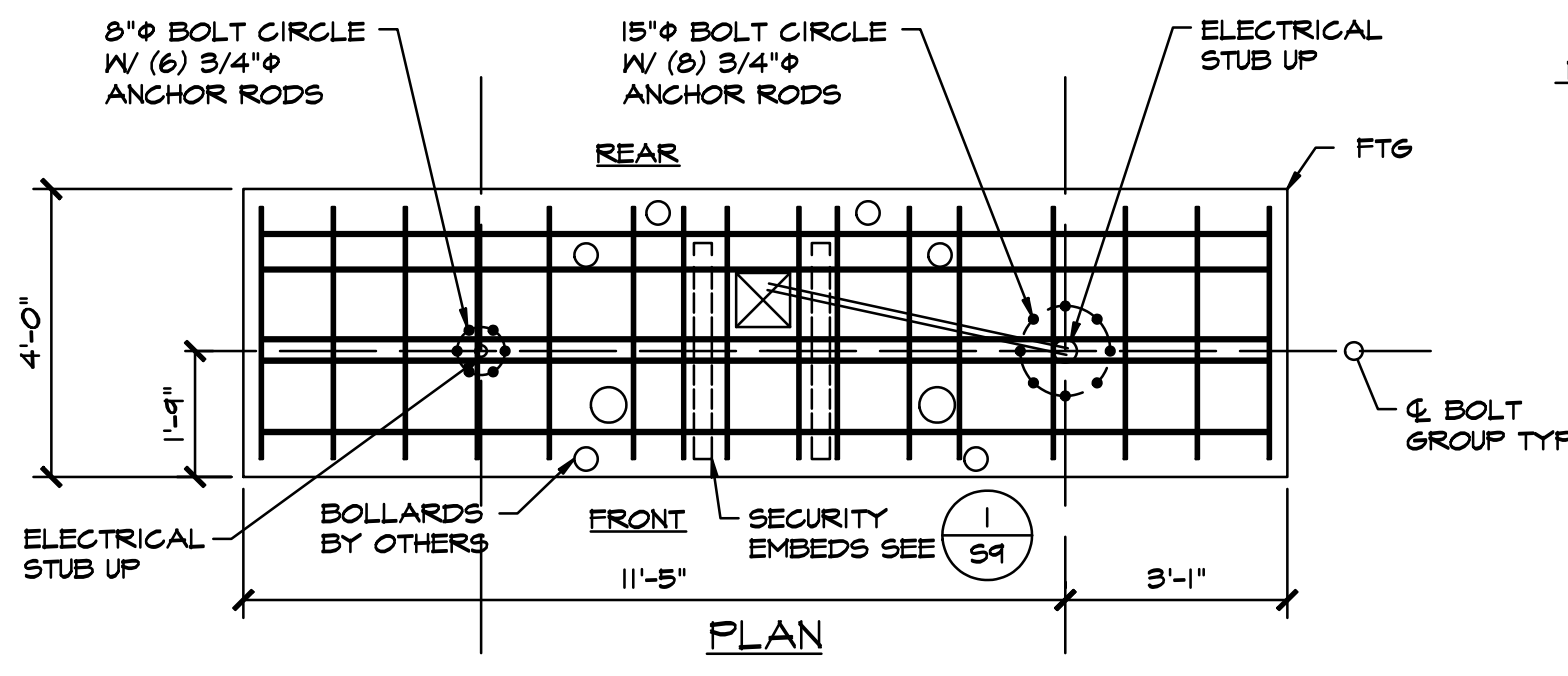


FOUNDATION DETAIL

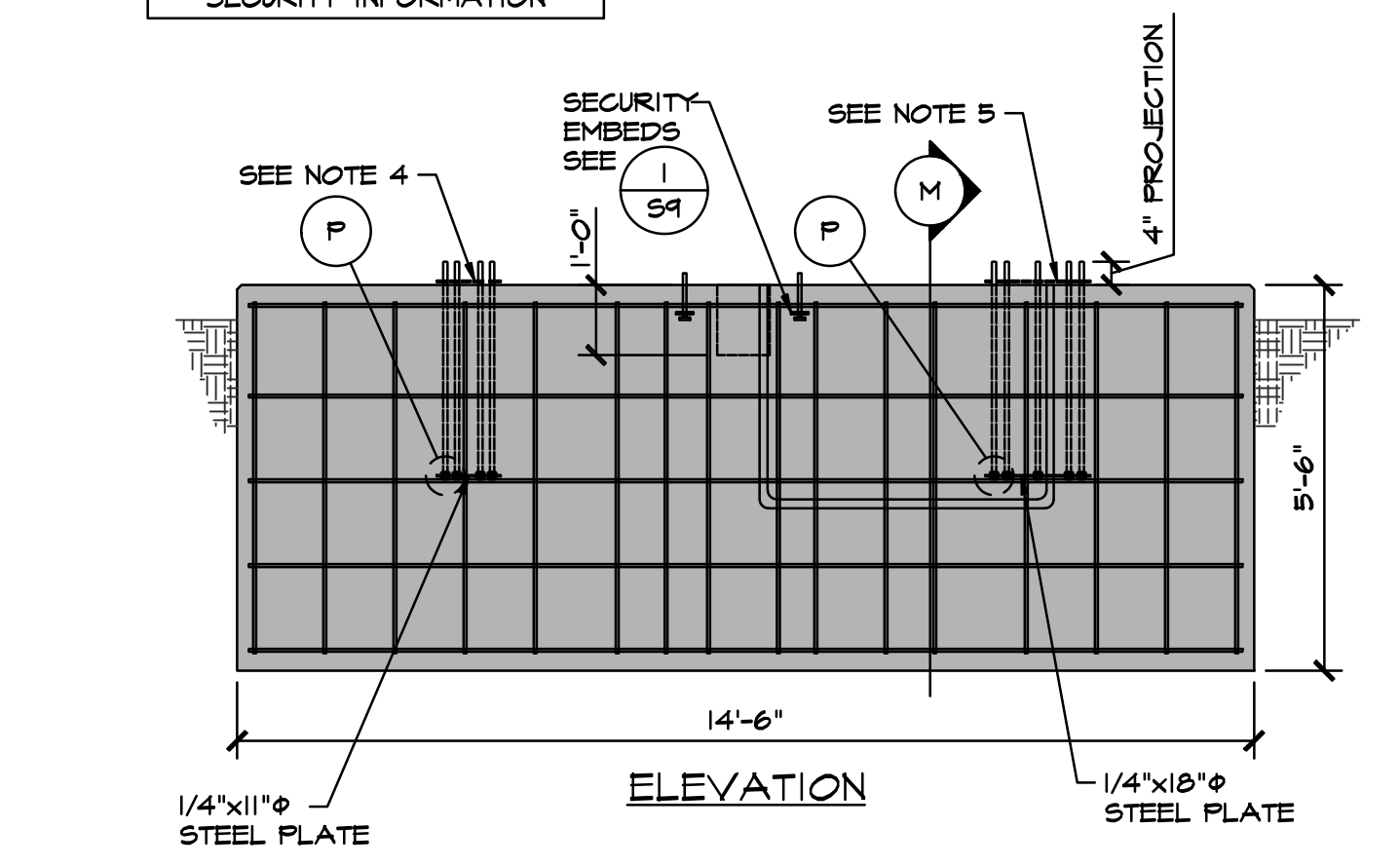
1. THIS FOUNDATION IS DESIGNED TO BE USED WITH A PIVOTING CLEARANCE BAR BY UNI-STRUCTURES INC. 8540 COBB CENTER DRIVE SITE 100 KENNESAW GA 30152 OR EQUAL.
2. THE ENGINEERS STAMP ON THIS PAGE IS FOR THE FOUNDATION ONLY. THE PIVOTING BAR AND ANCHOR BOLTS ARE BY OTHERS.

PIVOTING CLEARANCE BAR FOUNDATION DETAIL

NO SCALE- FOR REFERENCE ONLY

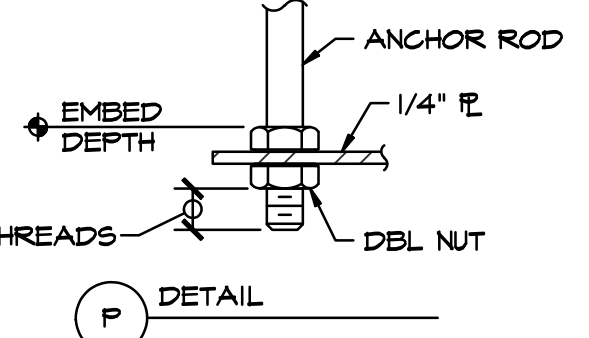


PLAN

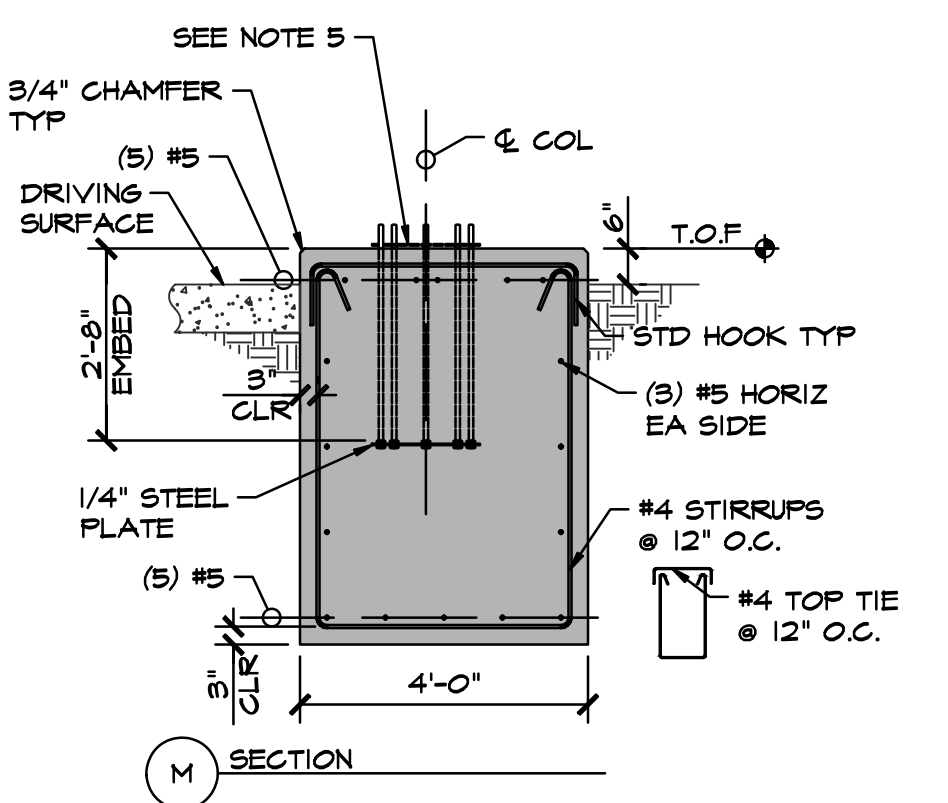


ELEVATION

- NOTES:
1. CONCRETE STRENGTH f'c = 4000 PSI @ 28 DAYS.
 2. CONCRETE MIX TO HAVE 5%-1% AIR ENTRAINMENT BY VOLUME.
 3. SEE SHEET 3 FOR ANCHOR BOLT SPECIFICATIONS.
 4. STUB UP CANOPY LIGHTING THROUGH CENTER OF BASE PLATE EITHER COLUMN.
 5. CONTRACTOR TO PROVIDE STEEL TEMPLATE AT TOP OF FTG FOR ACCURATE BOLT PLACEMENT.
 6. LOCATE ATM ELECTRICAL CONNECTIONS PER MANUFACTURERS REQUIREMENTS.
 7. QTY 2, 2" CONDUITS PLACED INTO FORMS BEFORE POUR. FROM ATM PIT TO DEPARTURE COLUMN.
 8. BOLLARDS TO BE PLACED PRIOR TO FOUNDATION CONCRETE POUR.



DETAIL



SECTION

ATM PAD FOUNDATION DETAIL

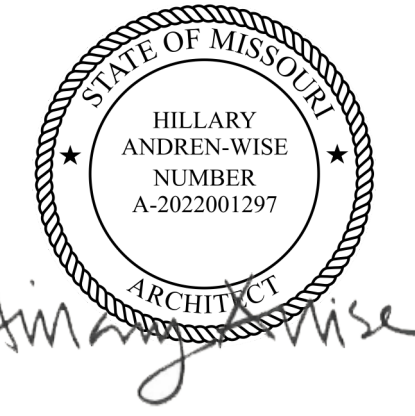
NO SCALE- FOR REFERENCE ONLY

PROJECT TITLE:

**PNC MO LEE'S SUMMIT
 GROUND UP BRANCH**

PROJECT ADDRESS:

LEE'S SUMMIT, MO
 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



REVISIONS

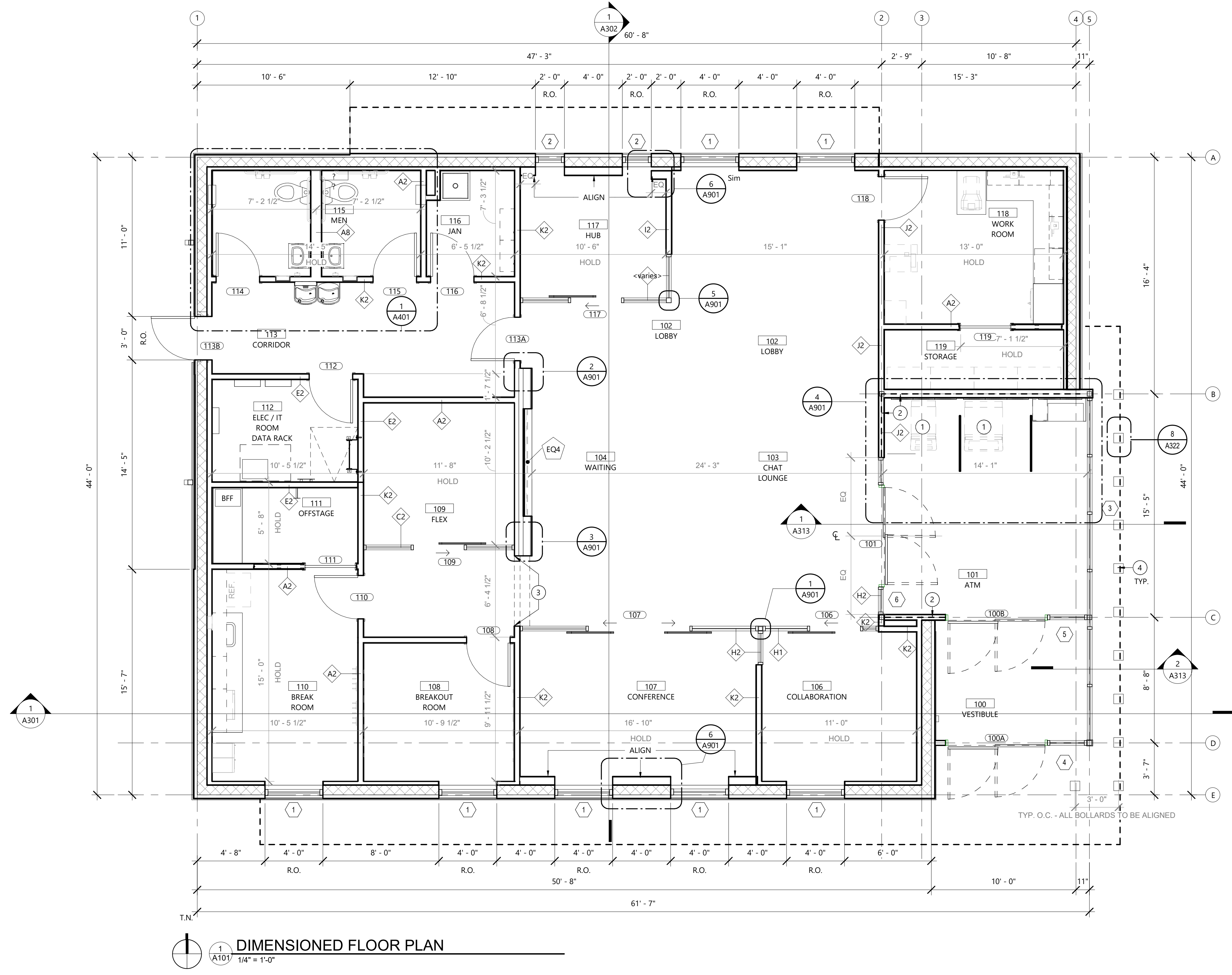
NO.	DESCRIPTION	DATE

DATE ISSUED:	02/15/2022
REVIEWED BY:	HAW
DRAWN BY:	CJ
DESIGNED BY:	RSH
PROJECT NUMBER:	524-0368-028
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SHEET TITLE:
DIMENSIONED FLOOR PLAN

SHEET ID:
A101

PROJECT STATUS:
 PERMIT DOCUMENTS



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

GENERAL NOTES

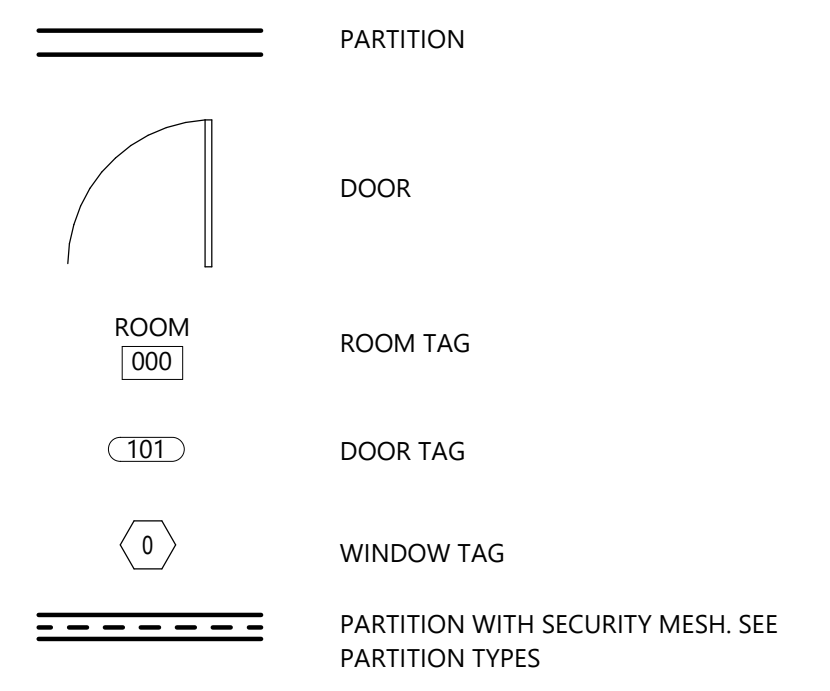
- SEE PARTITION TYPES FOR ADDITIONAL INFORMATION.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD WALL, U.N.O.
- ALL EXTERIOR DIMENSIONS ARE TO FACE OF MASONRY, OR COLUMN LINES, U.N.O.
- DIMENSIONS NOTED "AS REQUIRED" OR "VERIFY" ARE TO BE VERIFIED WITH THE ARCHITECT FOR FINAL APPROVAL BEFORE FINAL CONSTRUCTION. G.C. IS NOT TO PROCEED WITH CONSTRUCTION IF A DIMENSION(S) IS IN QUESTION OR ERROR.
- ALL EXTERIOR CORNERS OF GYP. BD. PARTITIONS SHALL HAVE SCREW ATTACHED METAL CORNER BEADS, U.N.O.
- LOCATIONS WHERE PARTITIONS TERMINATE AT WINDOW MULLIONS, CENTER THE PARTITION ON THE MULLION, U.N.O. DO NOT FASTEN INTO MULLIONS. WHERE PARTITIONS TERMINATE AT BUILDING PERIMETER COLUMNS, PROVIDE CLOSURE TO GLASS. REFER TO DETAILS ON PLANS.
- ALL GYPSUM WALLBOARD CONSTRUCTION SHALL BE PLUMB AND IN TRUE STRAIGHT LINES. ALL GYPSUM WALLBOARD CONSTRUCTION SHALL CONFORM TO MANUFACTURER'S WRITTEN STANDARDS OF CONSTRUCTION.
- NEW WALL SURFACES SHALL BE PROPERLY PREPARED TO RECEIVE NEW FINISH(ES). JOINTS SHALL NOT BE VISIBLE AFTER NEW FINISH HAS BEEN APPLIED.
- DOOR FRAMES OCCURRING ADJACENT TO INTERSECTING PARTITIONS SHALL BE INSTALLED FOUR (4) INCHES FROM PARTITION UNLESS NOTED SPECIFICALLY ON PLANS.
- USE GYPSUM WALLBOARD ACCESSORIES AS SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS. SUBSTITUTIONS MUST HAVE APPROVAL OF THE ARCHITECT PRIOR TO INSTALLATION.

- LOCATIONS WHERE SCHEDULED PARTITION TO TOP TRACK ATTACHES TO CEILING GRID. SHIM WITH ATTACHMENTS AT 48" MINIMUM INTERVALS.
- ALL NEW WALLS OVER 12'-0" IN LENGTH BETWEEN INTERSECTING PARTITIONS SHALL BE BRACED TO STRUCTURE TO RESIST LATERAL LOADING.
- GYPSUM WALLBOARD ON PARTITIONS REQUIRING A RATING OF ONE-HOUR OR MORE SHALL BE TAPED AND THE SCREWS SPOTTED WHETHER OR NOT WALL TREATMENT IS SCHEDULED.
- SOUND ATTENUATION INSULATION: UNLESS SPECIFIED OTHERWISE IN THE FOLLOWING PARAGRAPHS, EITHER MINERAL WOOL OR GLASS FIBER INSULATION WILL BE ACCEPTABLE. INSULATION SHALL BE EITHER 6 P.C.F., BLANKET OR BATT TYPE IN WIDTH REQUIRED TO FILL THE SPACES. FRICTION FIT SNUGLY IN PLACE BETWEEN THE STUDS USED IN PARTITIONS.
- ALL INSULATION IN WALLS TO BE 25 FLAME SPREAD - 450 SMOKE DEVELOPED.
- G.C. IS TO PROVIDE FIRE-TREATED PLYWOOD AND/OR METAL BLOCKING IN WALL BEHIND MILLWORK/CABINETRY/SHELVING/DOOR & WALL STOPS FOR MOST SECURE METHOD OF ANCHORING, AS WELL AS BEYOND WALL MOUNTED FURNITURE WITHIN OFFICES. SEE CASEWORK DETAIL.
- MITER ALL CORNERS WHERE APPLICABLE.
- ALL VISIBLE BLOCKING BELOW COUNTERS IS TO BE PAINTED TO MATCH WALL BEHIND.

FLOOR PLAN KEYED NOTES

- COORDINATE EXACT DIMENSIONS OF ATMS WITH OWNER'S VENDOR.
- DASHED LINE TO REPRESENT EXTENT OF SECURITY MESH APPLICATION. SEE PARTITION TYPES.
- ALIGN FINISH FACE OF WALLS
- LIGHTED SECURITY BOLLARD @ 36" O.C. COORDINATE WITH CIVIL DRAWINGS.

LEGEND

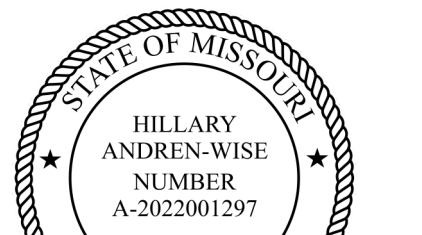


PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



Hillary Andren-Wise
ARCHITECT

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: HAW
DRAWN BY: CJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:

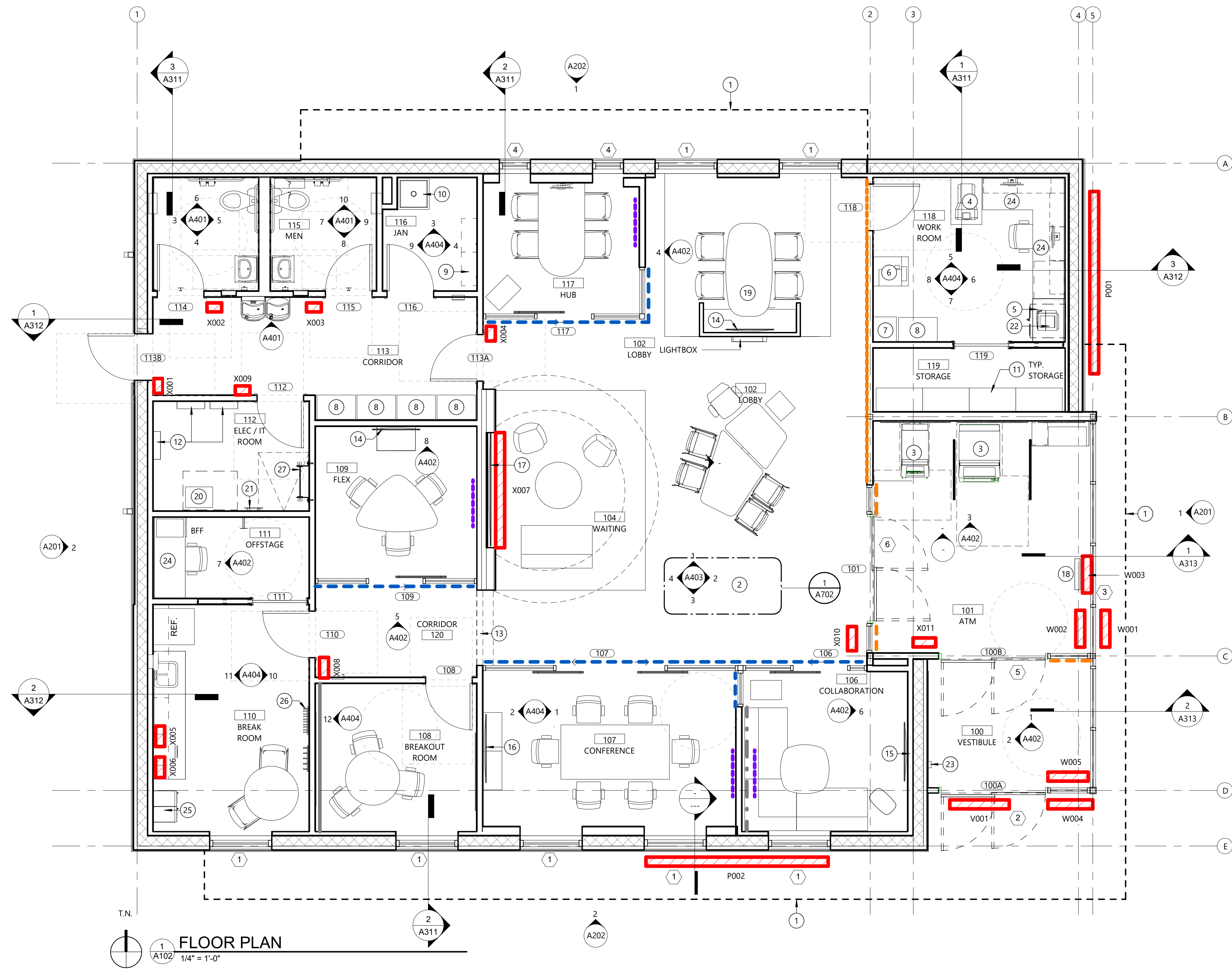
FLOOR PLAN

SHEET ID:

A102

PROJECT STATUS:

PERMIT DOCUMENTS



FLOOR PLAN KEYED NOTES (SEE FF+E PLAN FOR ADDITIONAL INFORMATION)

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> (1) CANOPY (OVERHEAD) (2) "PERCH" CASEWORK TO BE PROVIDED AND INSTALLED BY G.C. SEE A702 FOR DETAILS. (3) FREE-STANDING, WALK-UP ATM. WITH SURROUNDING G.C. TO COORDINATE PLACEMENT WITH PNC AND VENDOR. (4) ICI MACHINE TO BE PROVIDED BY PNC. (5) CASH SAFE UNDER COUNTER. G.C. TO COORDINATE PLACEMENT WITH PNC. (6) SMALL MFD PRINTER TO BE PROVIDED BY PNC. (7) SHRED BIN. (8) LATERAL FILE CABINET TO BE PROVIDED BY PNC. (9) WALL SHELVING. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION. (10) SERVICE SINK. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. | <ul style="list-style-type: none"> (11) FREESTANDING HEAVY DUTY SHELVING PROVIDED BY PNC. (12) ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. (13) SOFFIT / BULKHEAD ABOVE (14) 43" MONITOR. REFER TO INTERIOR ELEVATION FOR MOUNTING HEIGHT. SEE: 10/A901 FOR RECESSED MOUNTING DETAILS (15) 50" MONITOR. REFER TO INTERIOR ELEVATION FOR MOUNTING HEIGHT. SEE: 9/A901 FOR RECESSED MOUNTING DETAILS (16) 55" MONITOR. REFER TO INTERIOR ELEVATION FOR MOUNTING HEIGHT. SEE 9/A901 FOR RECESSED MOUNTING DETAILS. (17) 98" MONITOR. REFER TO INTERIOR ELEVATION FOR MOUNTING HEIGHT. SEE A401 FOR RECESSED MOUNTING DETAILS. (18) 24" x 48" DOUBLE-SIDED LIGHT BOX BY PNC. GC SHALL COORDINATE FINAL PLACEMENT WITH SIGNAGE VENDOR. INTENT IS THAT IT IS CENTERED ON THE ADJACENT GLAZING UNIT. (19) GATHERING TABLE AND SEATING BY OTHERS. G.C. TO COORDINATE PLACEMENT WITH PNC (TYP. OF 1). TABLE TO BE CENTERED ON EXTERIOR WALL BETWEEN WINDOWS. (20) IT RACK. | <ul style="list-style-type: none"> (21) GROUND BAR FOR DATA RACK & TELEPHONE BOARD. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION (22) MICRO PRINTER ON COUNTER TOP TO BE PROVIDED BY PNC. (23) KEYSAFE LOCKBOX INSTALLED ON FACE OF WALL. PROVIDE WOOD BLOCKING AS REQUIRED. FINAL LOCATION TO BE COORDINATED WITH PNC BEFORE INSTALLATION. (24) GROMMET TO BE PROVIDED IN COUNTERTOP AS REQUIRED FOR ALIGNMENT AND USE OF POWER/DATA PROVISIONS. SEE INTERIOR ELEVATIONS AND ELECTRICAL DWGS TO COORDINATE LOCATIONS. (25) LOCKERS (26) COAT RACKS (27) LADDER AND ROOF HATCH |
|---|---|--|

LEGEND

- | | |
|---|--|
| <ul style="list-style-type: none"> NEW DOOR ROOM TAG DOOR TAG | <ul style="list-style-type: none"> GRAY ABSTRACT WC GRAY ACCENT PT ORANGE SAFETY VINYL ENHANCED POWERLINK OFFICE VINYL ORANGE ABSTRACT WC REGIONAL ARTWORK SIGNAGE AND CODE; FOR REFERENCE ONLY. COORDINATE WITH VENDOR FINAL PLACEMENT & DETAILS RE-SIGN PACKAGE. SIGNAGE DETAILS TO BE SUBMITTED SEPARATELY FOR LANDLORD REVIEW. |
|---|--|

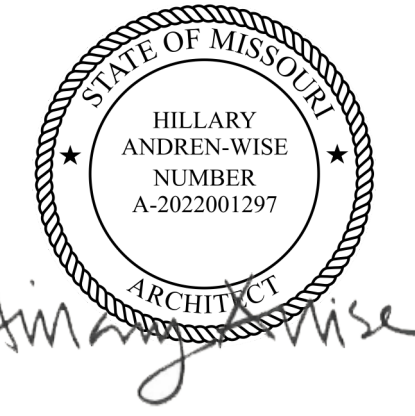
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PROJECT TITLE:

**PNC MO LEE'S SUMMIT
GROUND UP BRANCH**

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: HAW
DRAWN BY: CJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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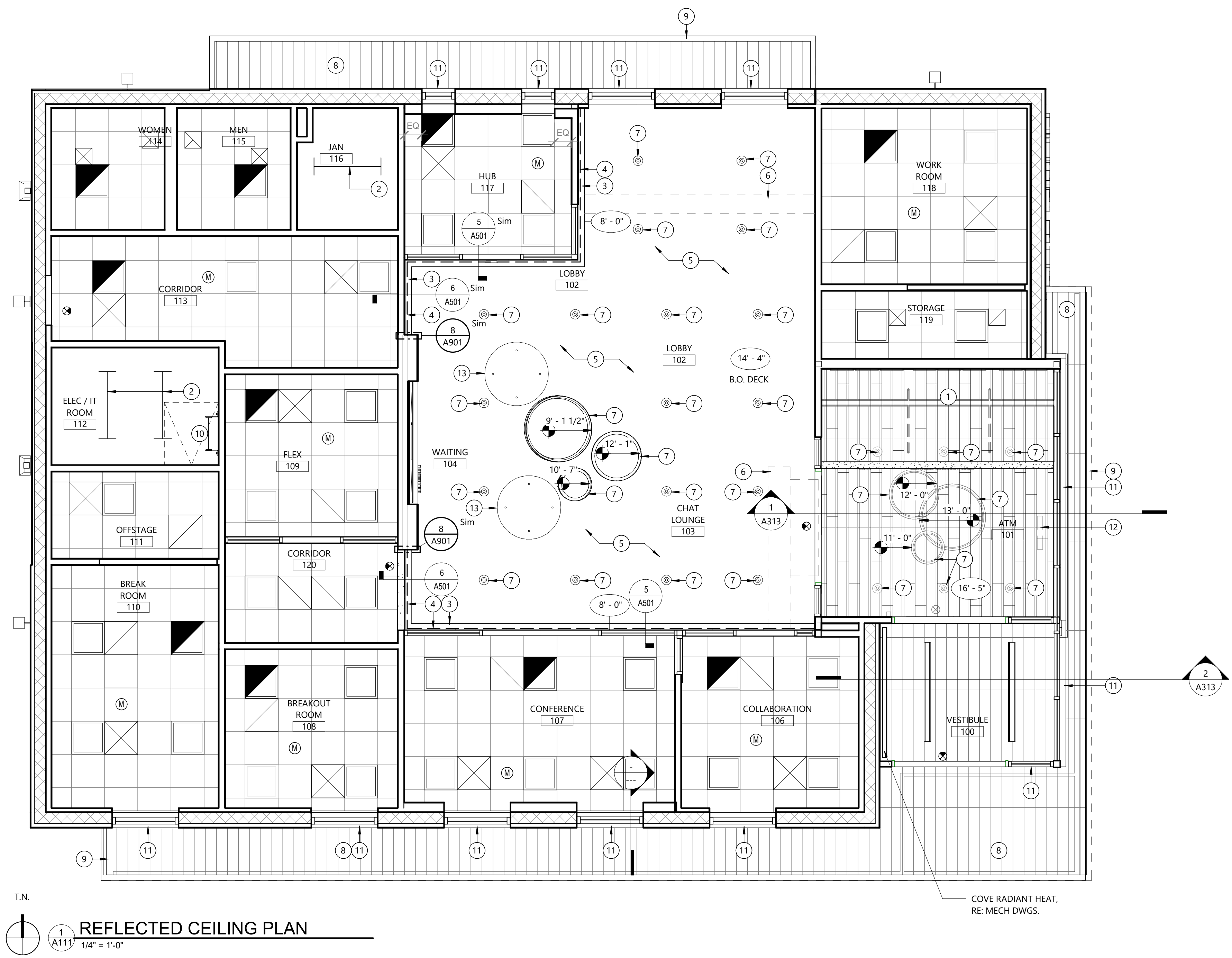
SHEET TITLE:

**REFLECTED CEILING
PLAN**

SHEET ID:

A111

PROJECT STATUS:
PERMIT DOCUMENTS



T.N.
REFLECTED CEILING PLAN
1
A111
1/4" = 1'-0"

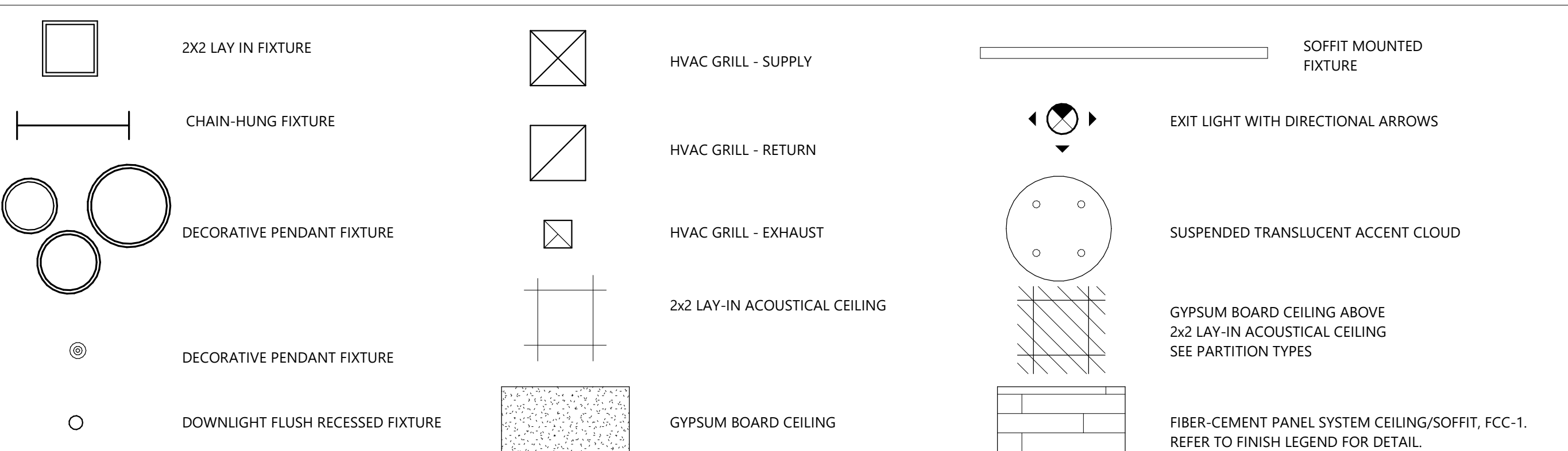
REFLECTED CEILING PLAN NOTES

- ALL CEILING HEIGHTS ARE 9'-0" U.N.O.
- CEILING FINISHES TO BE SPECIFIED ON PLANS AND IN FINISH SPECIFICATIONS.
- G.C. SHALL COORDINATE FIRE PROTECTION, HVAC, ELECTRICAL SYSTEMS, AND FIRE ALARM SYSTEMS LOCATED IN CEILING. PROCURE PERMITS FOR THIS WORK AS REQUIRED. NOTIFY ARCHITECT OF ANY DISCREPANCIES FROM THE DRAWINGS.
- IF ANY LIGHT FIXTURE CANNOT BE INSTALLED DUE TO CONFLICTS WITH BEAMS, HVAC, PIPING, ETC., CLARIFY WITH ARCHITECT BEFORE PROCEEDING WITH FIXTURES IN QUESTION OR RELATED FIXTURES IN AREA, HVAC, PIPING, ETC., TO BE DESIGNED TO WORK WITH LIGHT FIXTURE OF LOCATIONS GIVEN.
- PROVIDE ADDITIONAL SUPPORT TO GRID AS REQUIRED AT DRYWALL SOFFITS AND/OR CEILINGS. SEE PLANS FOR EXTEND TO NEW CEILINGS AND SOFFITS.
- EXIT LIGHTS AND EMERGENCY LIGHTING TO BE INSTALLED PER CODE REQUIREMENTS. TYPE TO MATCH PNC STANDARDS. LOCATIONS TO BE APPROVED BY ARCHITECT. REFER TO ELECTRICAL DRAWINGS.
- G.C. SHALL NOTE ANY CONFLICTS OCCURRING AMONG ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, OR MECHANICAL TRADES AND DRAWINGS. G.C. SHALL INFORM ARCHITECT OF CONFLICTS PRIOR TO START OF WORK IN A ROOM OR AREA.
- G.C. TO INSTALL DETECTORS AND STROBES AS NECESSARY TO ACCOMMODATE TENANT'S NEW CONSTRUCTION IN ACCORDANCE WITH LOCAL FIRE SAFETY REQUIREMENTS.
- G.C. SHALL INSTALL AIR GRILLES AND DUCTWORK AS REQUIRED BY NEW PARTITION LAYOUT. G.C. SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED C.F.M. TO EACH SPACE.
- G.C. SHALL PROVIDE TESTING. TEST AND BALANCE REPORT IS REQUIRED.
- SOUND ATTENUATION INSULATION USED ABOVE THE FINISHED CEILING SHALL BE 24" X 48", 3" UN-FACED MINERAL FIBER DESIGNED TO ABSORB SOUND AND BE SPECIFICALLY MANUFACTURED FOR USE ABOVE SUSPENDED CEILINGS. SEE PARTITION TYPES FOR LOCATION.
- CENTER ALL SPRINKLER HEADS, DAYLIGHT SENSORS, CEILING DEVICES AND OTHER CEILING-MOUNTED ITEMS IN TILE.
- ALL 2x2 LIGHT FIXTURES SHALL REST ON TWO (2) MAIN "T"s OR CONTRACTOR SHALL PROVIDE SUPPORT AS NECESSARY AT FREE CORNERS OF FIXTURE.

REFLECTED CEILING PLAN KEYED NOTES

- FIELD VERIFY LOCATION OF FIXTURES OVER ATMs. COORDINATE WITH PNC AND VENDOR(S).
- SUSPENDED LIGHT FIXTURE. SEE ELECTRICAL.
- GYP. "EYEBROW", SEE DETAIL TBD. TO BE PAINTED PT-2. SEE FINISH LEGEND.
- DASHED LINE INDICATES CONTINUOUS FABRITRAC ACOUSTICAL PANELS ABOVE THE ENTIRE LENGTH OF THE "EYEBROW", RE: FINISH SCHEDULE.
- ALL EXPOSED STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, ETC., SHALL BE PAINTED. SEE FINISH SCHEDULE FOR MORE INFORMATION.
- MECHANICAL EQUIPMENT ABOVE. COORDINATE WITH MECHANICAL DRAWINGS.
- PENDANT LIGHT FIXTURE. COORDINATE WITH ELECTRICAL DRAWINGS.
- NICHIHA FIBER-CEMENT PANEL SYSTEM SOFFIT AT UNDERSIDE OF CANOPY, 9'-0" AFF.
- OUTLINE OF EXTERIOR CANOPY.
- ROOF ACCESS LADDER AND ROOF HATCH. COORDINATE LOCATION RE: ROOF PLAN, SHEET A121.
- ROLL-DOWN SECURITY SHUTTER SYSTEM. COORDINATE WITH EXTERIOR ELEVATIONS.
- LOCATION OF LIGHTBOX ON FINISHED FLOOR.
- ARMSTRONG ACCENT CLOUD CLD-1, RE: ID100

LEGEND



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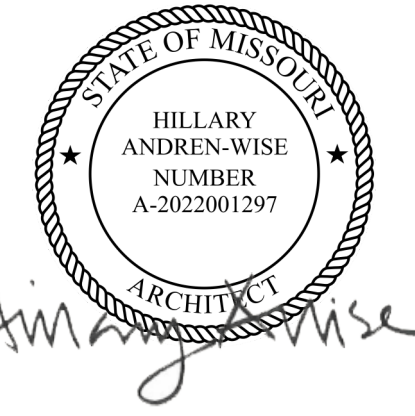


RS&H, Inc.
 4522 S ULSTER STREET
 SUITE 1100, DENVER, CO 80237
 303-409-9700 FAX 303-409-9701
 www.rsandh.com
 MO LICENSE NOS. 2003019618 * 2003019636



PROJECT TITLE:
**PNC MO LEE'S SUMMIT
 GROUND UP BRANCH**

PROJECT ADDRESS:
 LEE'S SUMMIT, MO
 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS 01	03/17/2022

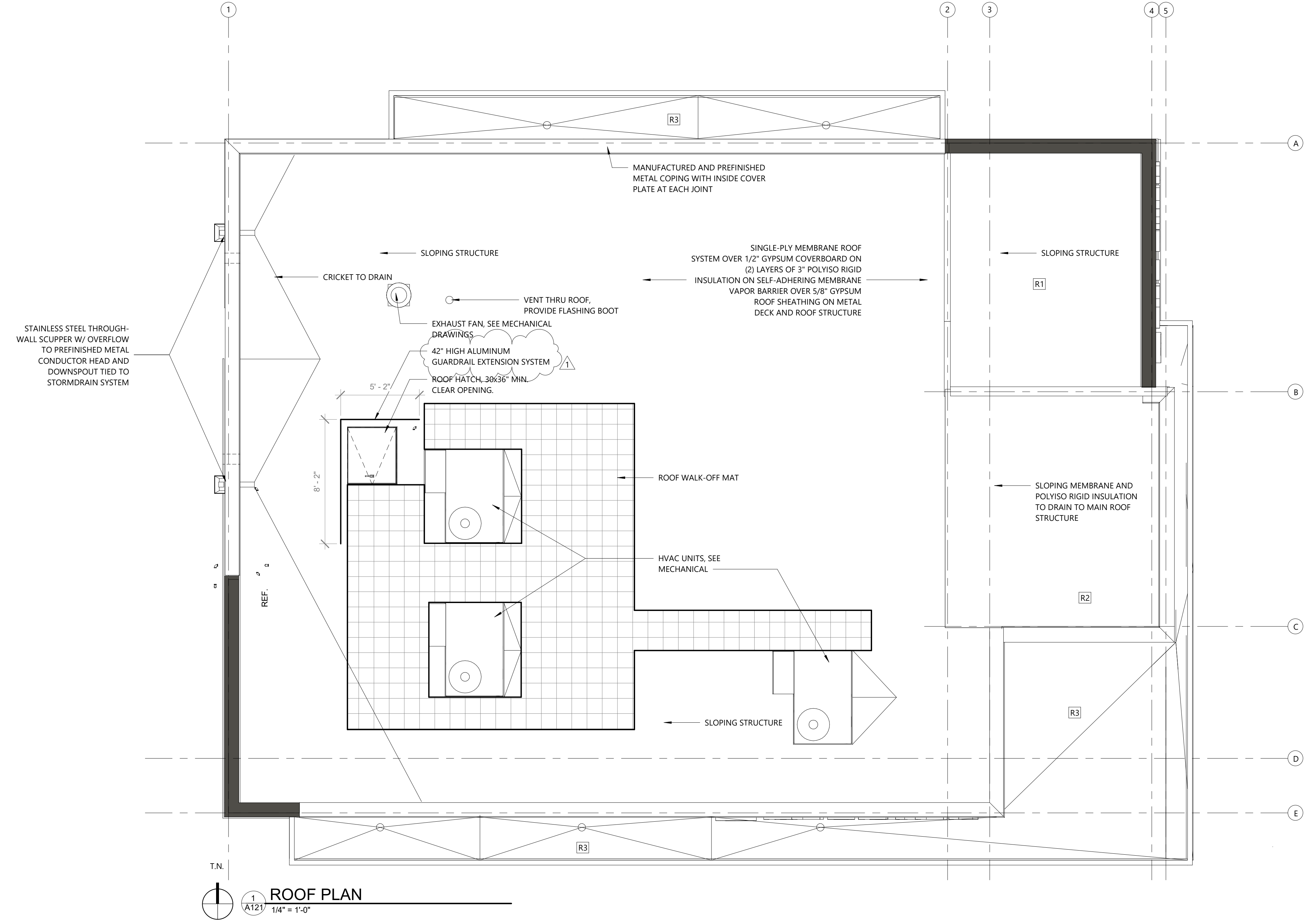
DATE ISSUED: 02/15/2022
 REVIEWED BY: HAW
 DRAWN BY: CJ
 DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
ROOF PLAN

SHEET ID:
A121

PROJECT STATUS:
 PERMIT DOCUMENTS

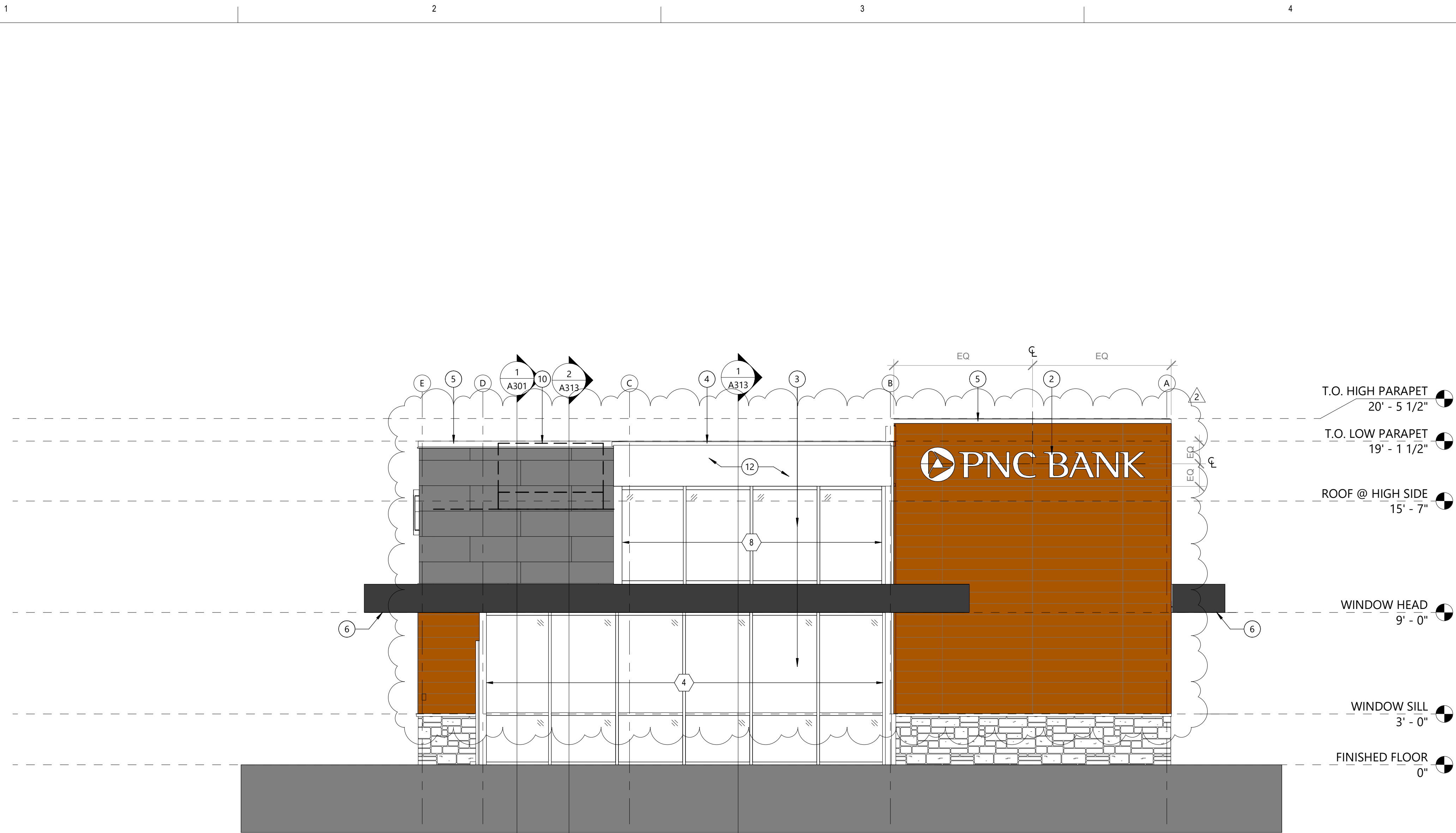


ROOF PLAN
 1/4" = 1'-0"

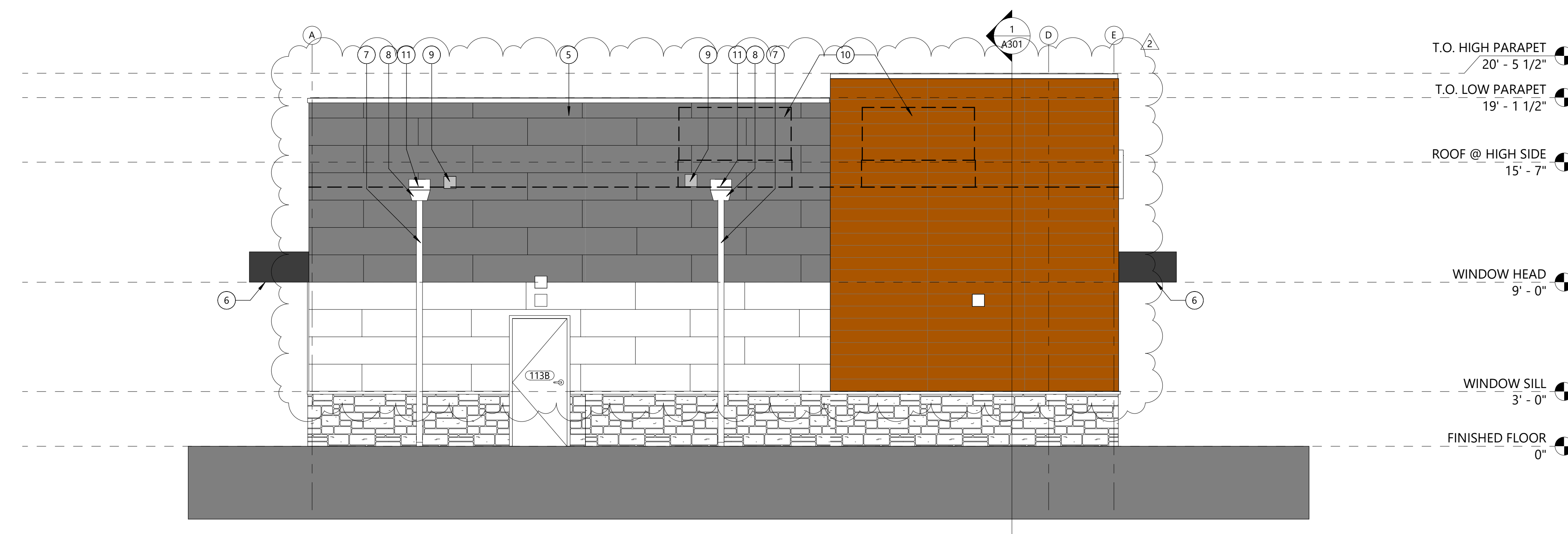
ROOF PLAN GENERAL NOTES

- ALL ROOFING SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDED ROOFING DETAILS. THESE DETAILS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE ROOFING INSTALLATION.
- ROOFING DETAILS SHALL NOT AT ANY TIME OR IN ANY WAY COMPROMISE THE WARRANTY PROVIDED BY THE ROOFING MANUFACTURER.
- ALL ROOFS SHALL BE SLOPED EITHER BY STRUCTURAL DESIGN OR BY TAPERED INSULATION IN ORDER TO PROMOTE POSITIVE DRAINAGE AT ALL TIMES.

3/17/2022 11:34:32 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/624-0368-028_PNC MO Lees Summit_A_R22_CENTRAL.rvt




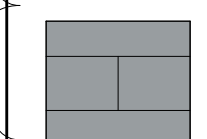
1 EAST ELEVATION
1/4" = 1'-0"

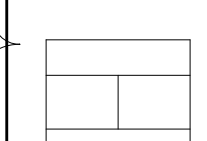


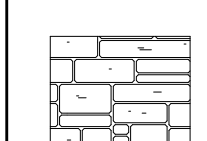
2 WEST ELEVATION
1/4" = 1'-0"


EXTERIOR FINISH LEGEND

- 

FCP-1 FIBER CEMENT PANEL (REDWOOD):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIIHA VINTAGEWOOD
COLOR: REDWOOD
- 

FCP-2 FIBER CEMENT PANEL (GRAY):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIIHA ILLUMINATION
COLOR: FOG
- 

FCP-3 FIBER CEMENT PANEL (WHITE):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIIHA ILLUMINATION
COLOR: COTTON
- 

FCP-4 FIBER CEMENT PANEL (MOUNTAIN):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIIHA KURASTONE SERIES STACKEDSTONE
COLOR: MOUNTAIN
- 

MP-1 BASE BID METAL PANEL SYSTEM AT CANOPY (GRAY):
MATERIAL: METAL PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: LAMINATORS, INC.; OMEGA LITE; 1PIECE,
TIGHT-FIT MOLDING INSTALLATION SYSTEM
COLOR: TO MATCH PANTONE 426 C

ALTERNATE:
#1: IN LIEU OF BASE BID ACM AND ACM MOUNTING INSTALLATION SYSTEM,
PROVIDE AND INSTALL THE FOLLOWING:
ACM MANUFACTURER: FAIRVIEW ARCHITECTURAL
ACM PANEL: VITROBOND G2
CLIP MOUNTING SYSTEM: ARROWHEAD EZ WALL SYSTEM
KYNAR FINISH: CUSTOM COLOR, COLOR TO MATCH PANTONE 426 C

#2: IN LIEU OF BASE BID ACM AND ACM MOUNTING INSTALLATION SYSTEM,
PROVIDE AND INSTALL THE FOLLOWING:
ACM MANUFACTURER: CITADEL ARCHITECTURAL PRODUCTS
ACM PANEL: SINOCORE 4MM PANEL THICKNESS, 1 PC MOLDING SYSTEM
CLIP MOUNTING SYSTEM: REVEAL MOLDING SYSTEM
FINISH: KYNAR, CUSTOM COLOR, COLOR: TO MATCH PANTONE 426 C

REFER TO FULL LIST OF ALTERNATES IN OUTLINE SPECIFICATIONS.

ELEVATION KEY NOTES

- ① 24" HIGH ILLUMINATED BUILDING MOUNTED SIGNAGE BY OTHERS. REFER TO ELECTRICAL FOR POWER REQUIREMENTS. COORDINATE WITH PNC AND VENDOR(S). ALL CONNECTIONS - STRUCTURAL ENGINEERING, DETAILS, ETC., ARE SUPPLIED BY VENDOR.
- ② 18" HIGH ILLUMINATED BUILDING SIGNAGE BY OTHERS. REFER TO ELECTRICAL FOR POWER REQUIREMENTS. COORDINATE WITH PNC AND VENDOR(S). ALL CONNECTIONS - STRUCTURAL ENGINEERING, DETAILS, ETC., ARE SUPPLIED BY VENDOR.
- ③ CLEAR ANODIZED STOREFRONT SYSTEM
- ④ METAL COPING SYSTEM, COLOR TO MATCH CLEAR ANODOZED STOREFRONT SYSTEM
- ⑤ METAL COPING SYSTEM, COLOR TO MATCH MP-1
- ⑥ SEE ELECTRICAL SHEETS FOR COORDINATION OF CANOPY LIGHTING.
- ⑦ 4"x4" PREFINISHED METAL DOWNSPOUT, CONNECT TO STORM UNDERGROUND
- ⑧ PREFINISHED METAL CONDUCTOR BOX SMACNA DESIGN FIGURE 1-25F
- ⑨ PREFINISHED METAL OVERFLOW SCUPPER PER SMACNA, OPENING SIZE 8"X8" WITH 2" TRIM PLACED 2" ABOVE ROOF LINE.
- ⑩ RTUs SCREENED BY PARAPET WALL BEYOND, COORDINATE WITH A121 AND MECHANICAL DRAWINGS.
- ⑪ PREFINISHED METAL THROUGH WALL SCUPPER PER SMACNA, OPENING SIZE 8"X8" WITH 2" TRIM
- ⑫ COMPOSITE ALUMINUM PANEL TO MATCH FCP-3

SHEET NOTES

1. G.C. TO PROVIDE A FIELD MOCK-UP OF NICHIIHA ILLUMINATION PANEL, VINTAGEWOOD, KURASTONE, AND OMEGA LITE PANEL SYSTEM WITH ALL CONDITIONS PRESENT ON THE PROJECT INCLUDING BUT NOT LIMITED TO INSIDE CORNERS, OUTSIDE CORNER, HORIZONTAL TERMINATION, ETC.
2. NICHIIHA KURASTONE PANELS SHALL BE FIELD CUT TO TERMINATE AT 2" ABOVE FINISHED GRADE AND FOLLOW FINISHED GRADING.

(X) DENOTES WINDOW TYPE - PENDING CDs



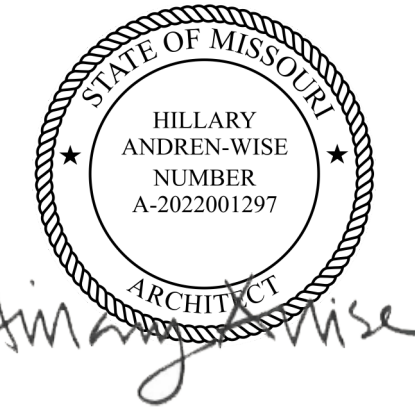
RS&H, Inc.
4582 S ULSTER STREET
SUITE 1100, DENVER, CO 80237
303-409-9700 FAX 303-409-9701

www.rsandh.com
MO LICENSE NOS. 2003019618 * 2003019636



PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE
2	CLIENT REVISIONS	03/17/2022

DATE ISSUED: 02/15/2022
REVIEWED BY: HAW
DRAWN BY: CJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
EXTERIOR
ELEVATIONS

SHEET ID:
A201

PROJECT STATUS:
PERMIT DOCUMENTS

3/17/2022 11:34:33 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/5240368028_PNC MO Lees Summit_A_R22_CENTRAL.rvt

EXTERIOR FINISH LEGEND

FCP-1 FIBER CEMENT PANEL (REDWOOD):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIHA VINTAGEWOOD
COLOR: REDWOOD

FCP-2 FIBER CEMENT PANEL (GRAY):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIHA ILLUMINATION
COLOR: FOG

FCP-3 FIBER CEMENT PANEL (WHITE):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIHA ILLUMINATION
COLOR: COTTON

FCP-4 FIBER CEMENT PANEL (MOUNTAIN):
MATERIAL: FIBER CEMENT PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: NICHIHA KURASTONE SERIES STACKEDSTONE
COLOR: MOUNTAIN

MP-1 BASE BID METAL PANEL SYSTEM AT CANOPY (GRAY):
MATERIAL: METAL PANEL
FINISH: INTEGRATED FINISH
MANUFACTURER: LAMINATORS, INC. OMEGA LITE, 1PIECE,
TIGHT-FIT MOLDING INSTALLATION SYSTEM
COLOR: TO MATCH PANTONE 426 C

ALTERNATE:
#1: IN LIEU OF BASE BID ACM AND ACM MOUNTING INSTALLATION SYSTEM,
PROVIDE AND INSTALL THE FOLLOWING:
ACM MANUFACTURER: FAIRVIEW ARCHITECTURAL
ACM PANEL: VITROBOND G2
CLIP MOUNTING SYSTEM: ARROWHEAD EZ WALL SYSTEM
KYNAR FINISH: CUSTOM COLOR, COLOR TO MATCH PANTONE 426 C

#2: IN LIEU OF BASE BID ACM AND ACM MOUNTING INSTALLATION SYSTEM,
PROVIDE AND INSTALL THE FOLLOWING:
ACM MANUFACTURER: CITADEL ARCHITECTURAL PRODUCTS
ACM PANEL: SINOCORE 4MM PANEL THICKNESS, 1 PC MOLDING SYSTEM
CLIP MOUNTING SYSTEM: REVEAL MOLDING SYSTEM
FINISH: KYNAR, CUSTOM COLOR, COLOR: TO MATCH PANTONE 426 C

REFER TO FULL LIST OF ALTERNATES IN OUTLINE SPECIFICATIONS.



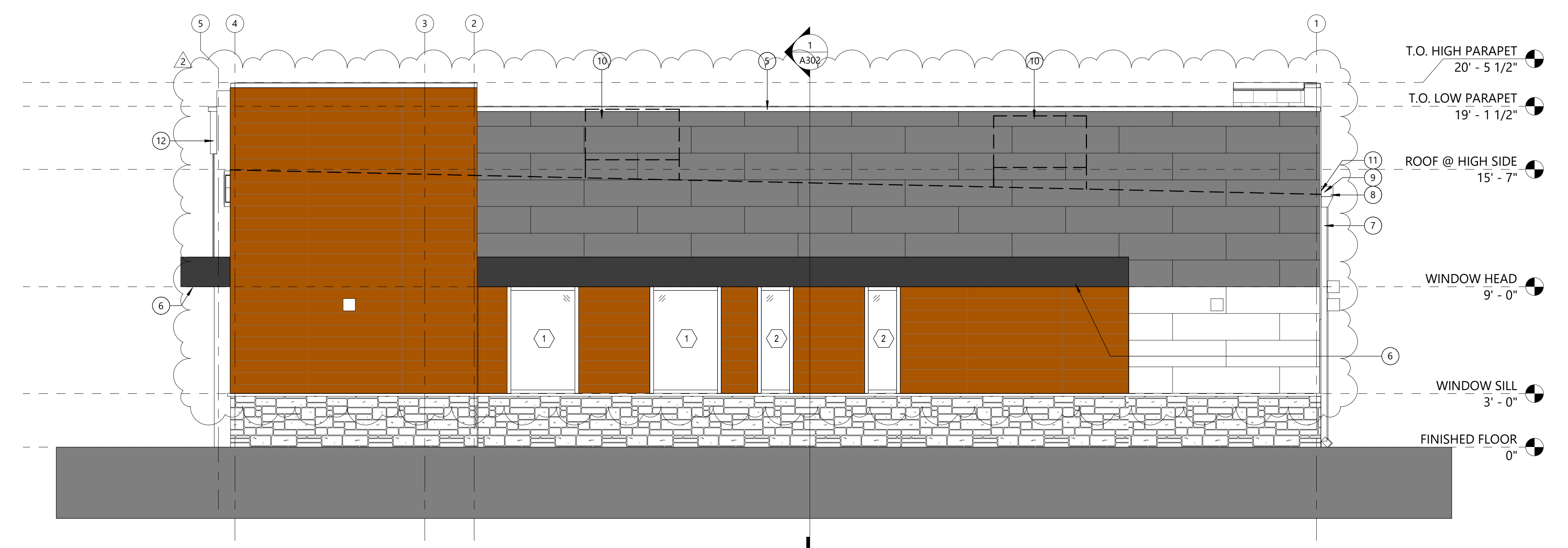
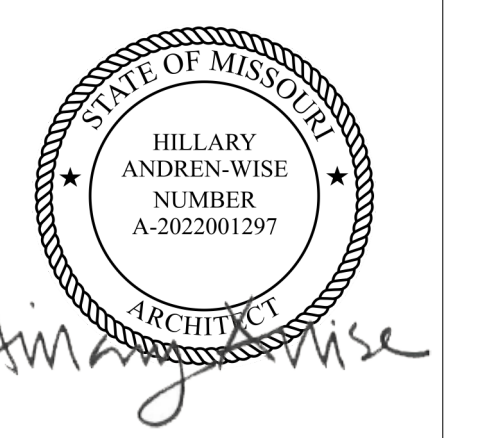
RS&H, Inc.
4582 S ULSTER STREET
SUITE 1100, DENVER, CO 80237
303-409-9700 FAX 303-409-9701

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MO LICENSE NOS. 2003019618 * 2003019636

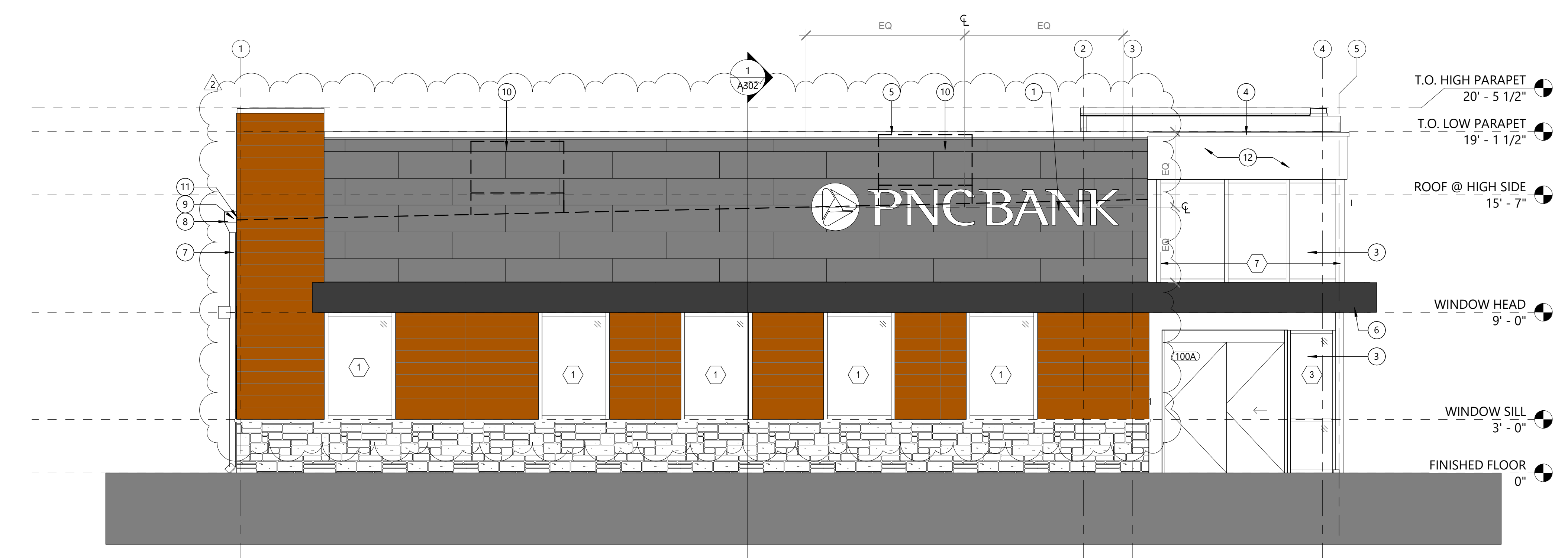


PROJECT TITLE:
**PNC MO LEE'S SUMMIT
GROUND UP BRANCH**

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



1 NORTH ELEVATION
A202 1/4" = 1'-0"



2 SOUTH ELEVATION
A202 1/4" = 1'-0"

ELEVATION KEY NOTES

- 24" HIGH ILLUMINATED BUILDING MOUNTED SIGNAGE BY OTHERS. REFER TO ELECTRICAL FOR POWER REQUIREMENTS. COORDINATE WITH PNC AND VENDOR(S). ALL CONNECTIONS - STRUCTURAL ENGINEERING, DETAILS, ETC., ARE SUPPLIED BY VENDOR.
- 18" HIGH ILLUMINATED BUILDING SIGNAGE BY OTHERS. REFER TO ELECTRICAL FOR POWER REQUIREMENTS. COORDINATE WITH PNC AND VENDOR(S). ALL CONNECTIONS - STRUCTURAL ENGINEERING, DETAILS, ETC., ARE SUPPLIED BY VENDOR.
- CLEAR ANODIZED STOREFRONT SYSTEM
- METAL COPING SYSTEM, COLOR TO MATCH CLEAR ANODOZED STOREFRONT SYSTEM
- METAL COPING SYSTEM, COLOR TO MATCH MP-1
- SEE ELECTRICAL SHEETS FOR COORDINATION OF CANOPY LIGHTING.
- 4"x4" PREFINISHED METAL DOWNSPOUT, CONNECT TO STORM UNDERGROUND
- PREFINISHED METAL CONDUCTOR BOX SMACNA DESIGN FIGURE 1-25F
- PREFINISHED METAL OVERFLOW SCUPPER PER SMACNA, OPENING SIZE 8"x8" WITH 2" TRIM PLACED 2" ABOVE ROOF LINE.
- RTUs SCREENED BY PARAPET WALL BEYOND, COORDINATE WITH A121 AND MECHANICAL DRAWINGS.
- PREFINISHED METAL THROUGH WALL SCUPPER PER SMACNA, OPENING SIZE 8"x8" WITH 2" TRIM
- COMPOSITE ALUMINUM PANEL TO MATCH FCP-3

SHEET NOTES

- G.C. TO PROVIDE A FIELD MOCK-UP OF NICHIHA ILLUMINATION PANEL, VINTAGEWOOD, KURASTONE, AND OMEGA LITE PANEL SYSTEM WITH ALL CONDITIONS PRESENT ON THE PROJECT INCLUDING BUT NOT LIMITED TO INSIDE CORNERS, OUTSIDE CORNER, HORIZONTAL TERMINATION, ETC.
- NICHIHA KURASTONE PANELS SHALL BE FIELD CUT TO TERMINATE AT 2" ABOVE FINISHED GRADE AND FOLLOW FINISHED GRADING.

(X) DENOTES WINDOW TYPE - PENDING CDS

REVISIONS

NO.	DESCRIPTION	DATE
2	CLIENT REVISIONS	03/17/2022

DATE ISSUED: 02/15/2022
REVIEWED BY: HAW
DRAWN BY: CJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
**EXTERIOR
ELEVATIONS**

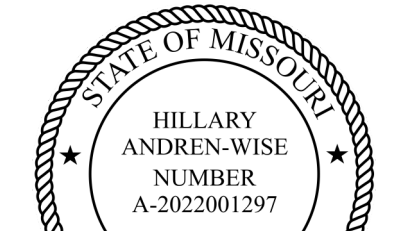
SHEET ID:
A202

PROJECT STATUS:
PERMIT DOCUMENTS



PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS		
NO.	DESCRIPTION	DATE

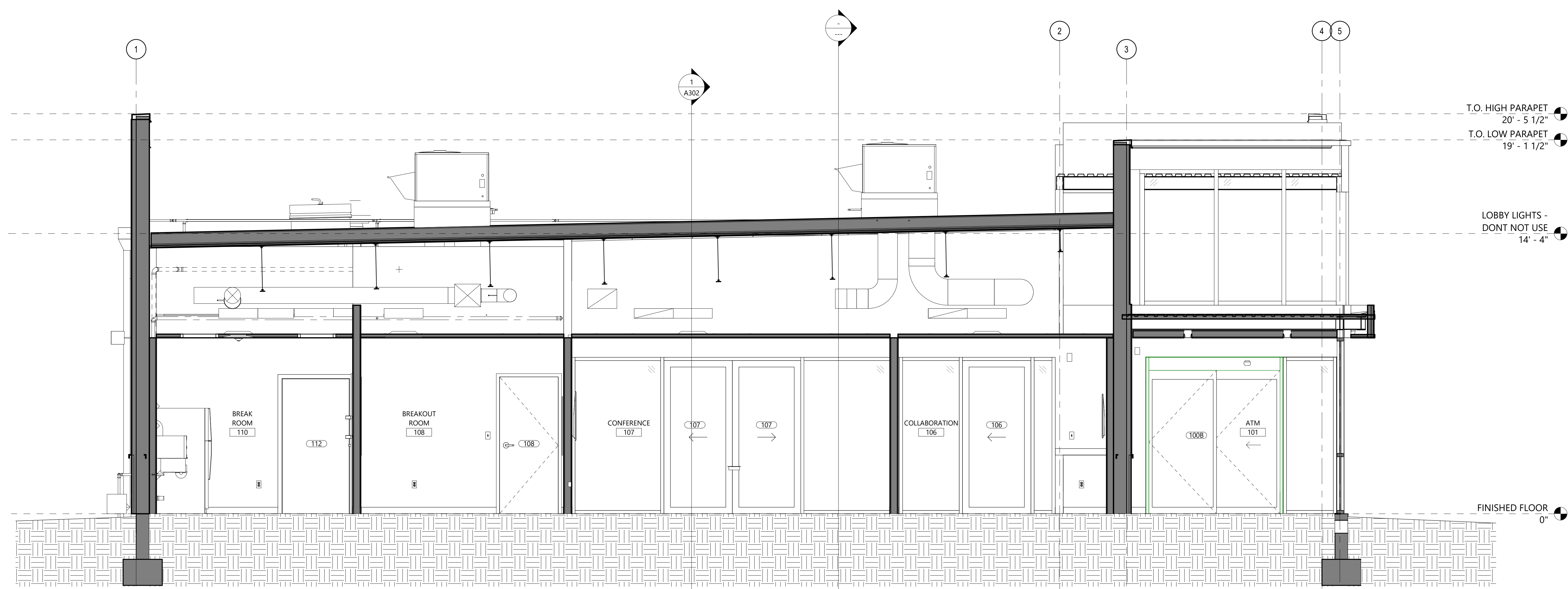
DATE ISSUED: 02/15/2022
REVIEWED BY: HAW
DRAWN BY: CJ/KK
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
BUILDING SECTION

SHEET ID:
A301

PROJECT STATUS:
PERMIT DOCUMENTS



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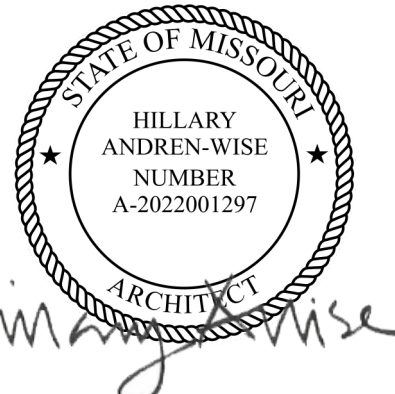


PROJECT TITLE:

**PNC MO LEE'S SUMMIT
GROUND UP BRANCH**

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022

REVIEWED BY: HAW

DRAWN BY: CJK/KK

DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:

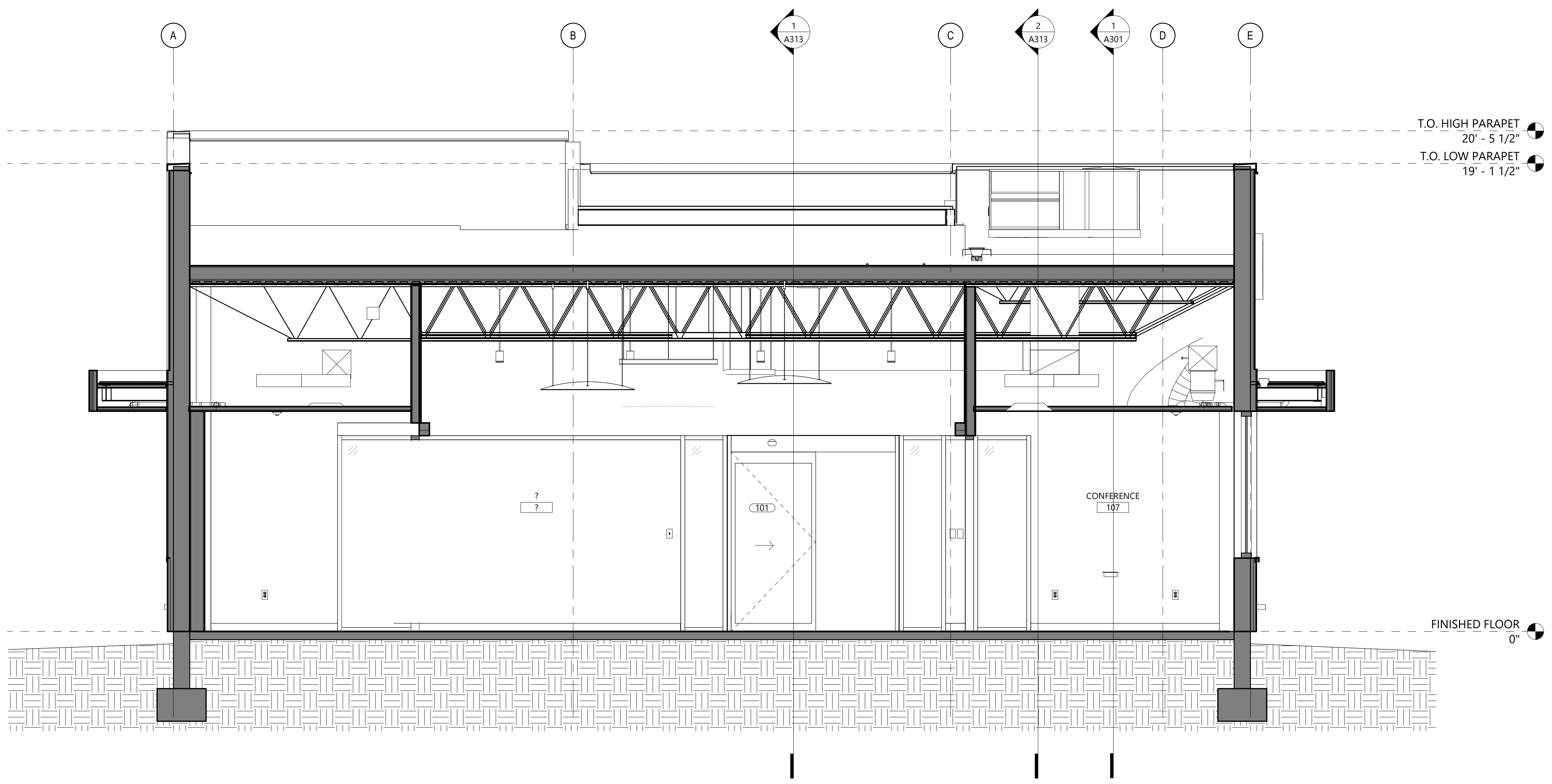
BUILDING SECTION

SHEET ID:

A302

PROJECT STATUS:

PERMIT DOCUMENTS

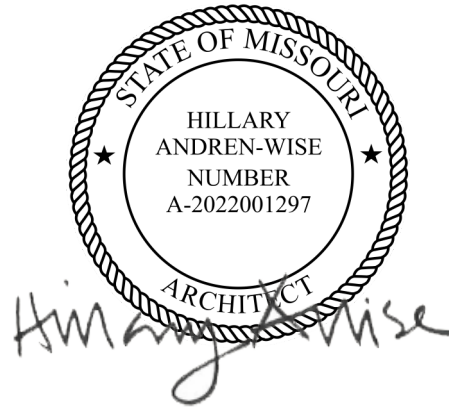


TRANSVERSE SECTION
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PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

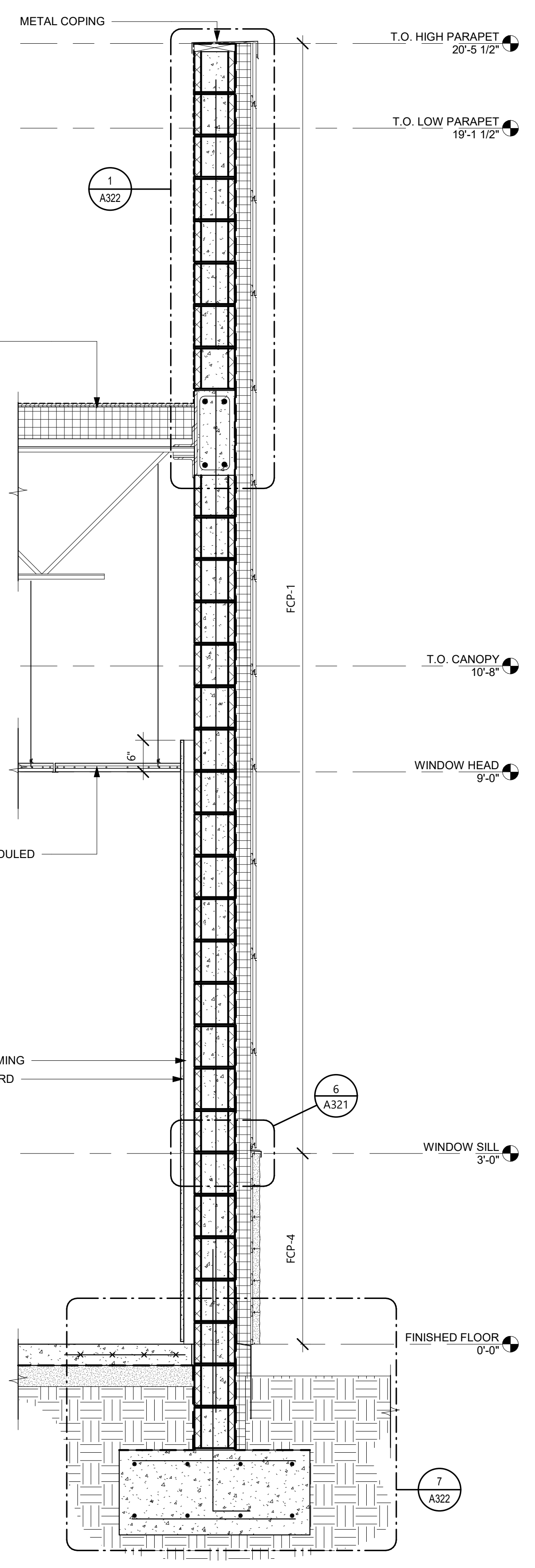
DATE ISSUED: 02/15/2022
REVIEWED BY: CP
DRAWN BY: CJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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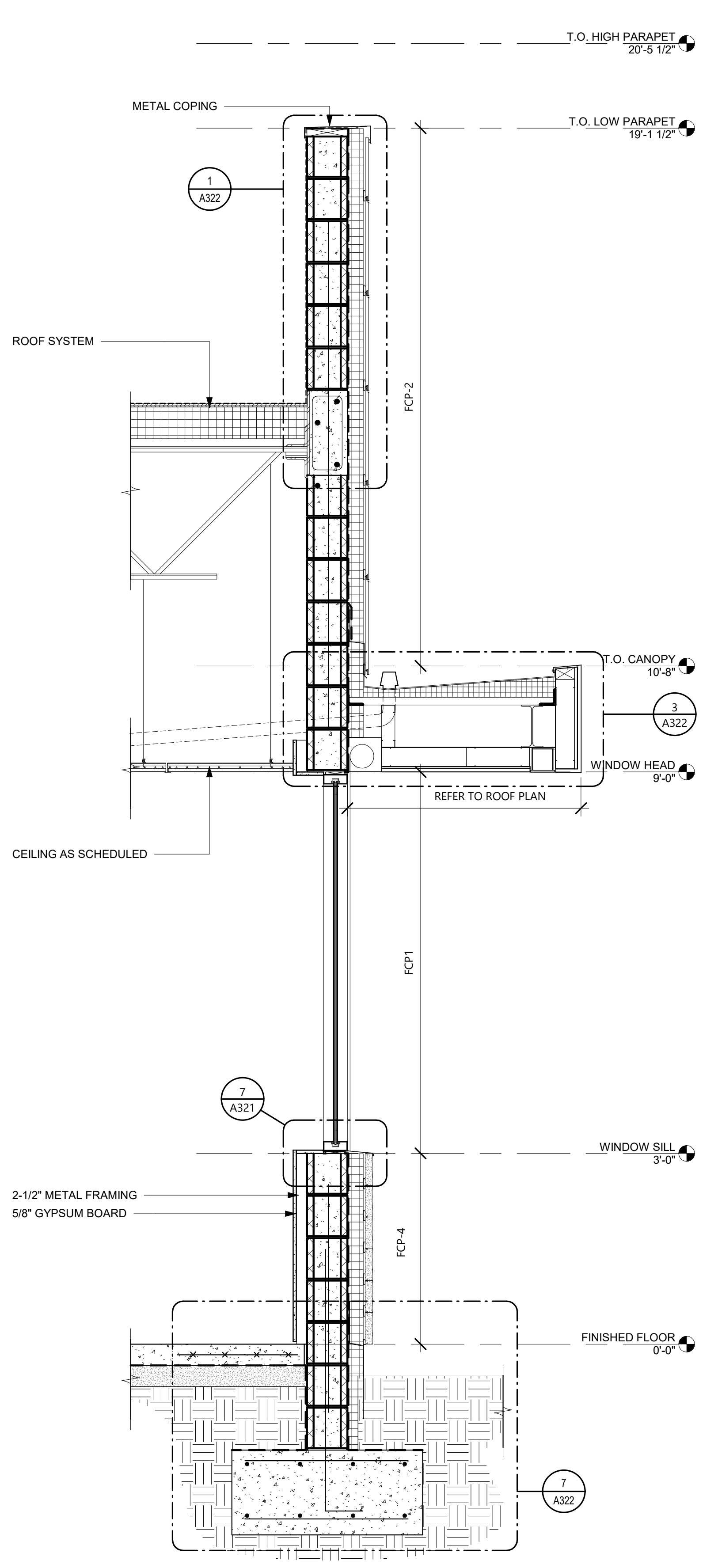
SHEET TITLE:
EXTERIOR WALL SECTIONS

SHEET ID:
A311

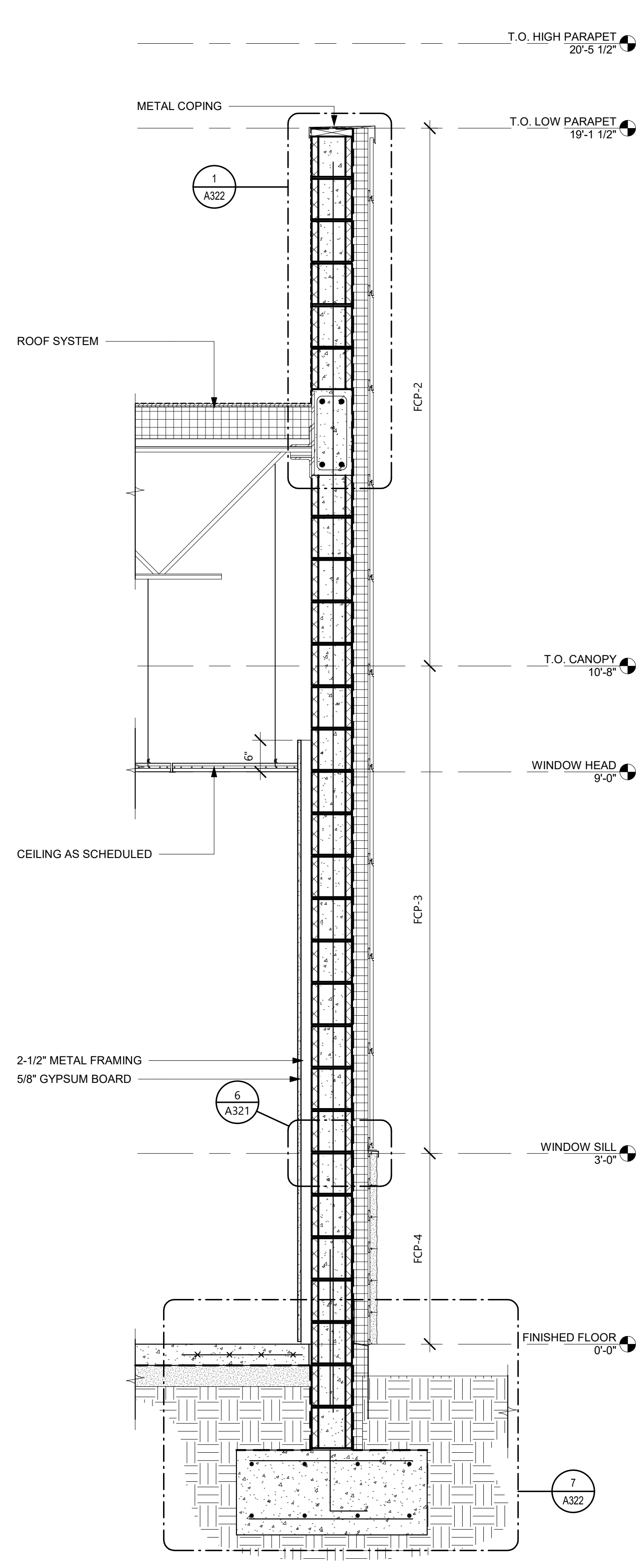
PROJECT STATUS:
PERMIT DOCUMENTS



1 WALL SECTION 1
A311 3/4" = 1'-0"

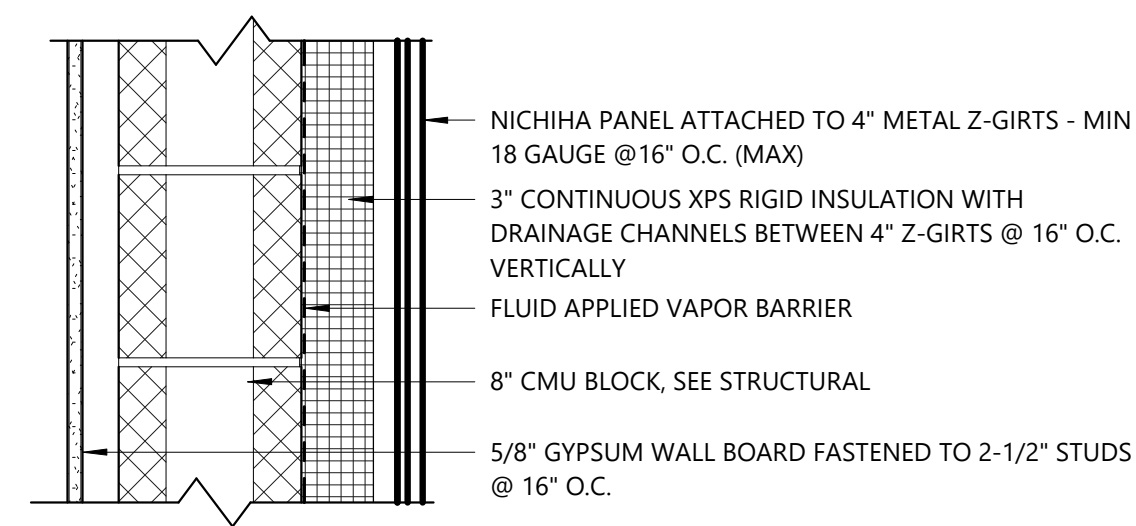


2 WALL SECTION 2
A311 3/4" = 1'-0"

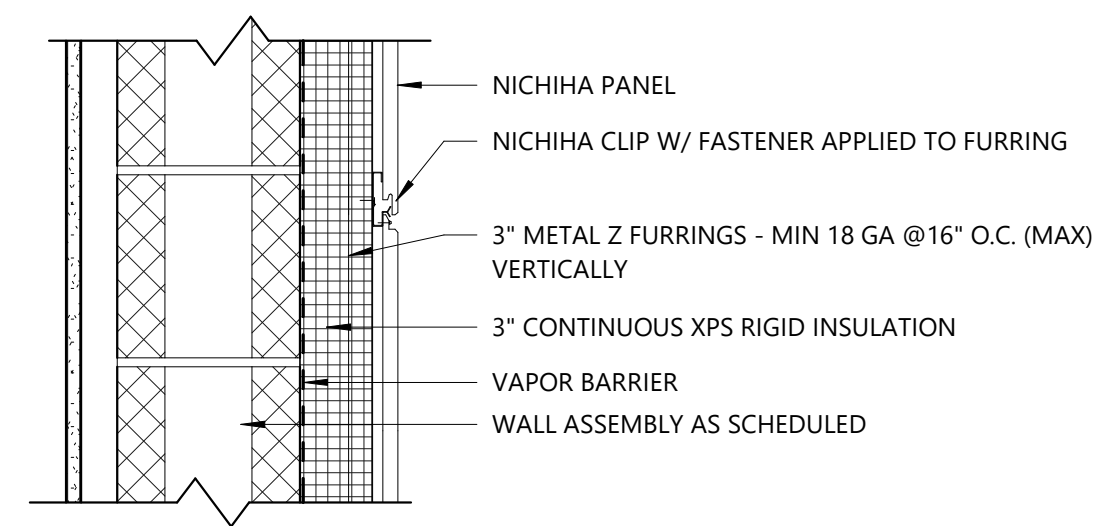


3 WALL SECTION 3
A311 3/4" = 1'-0"

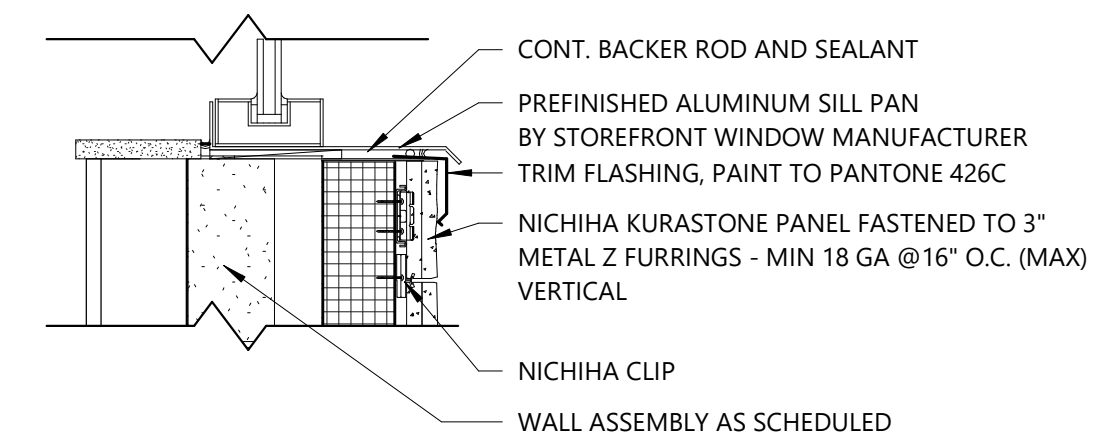
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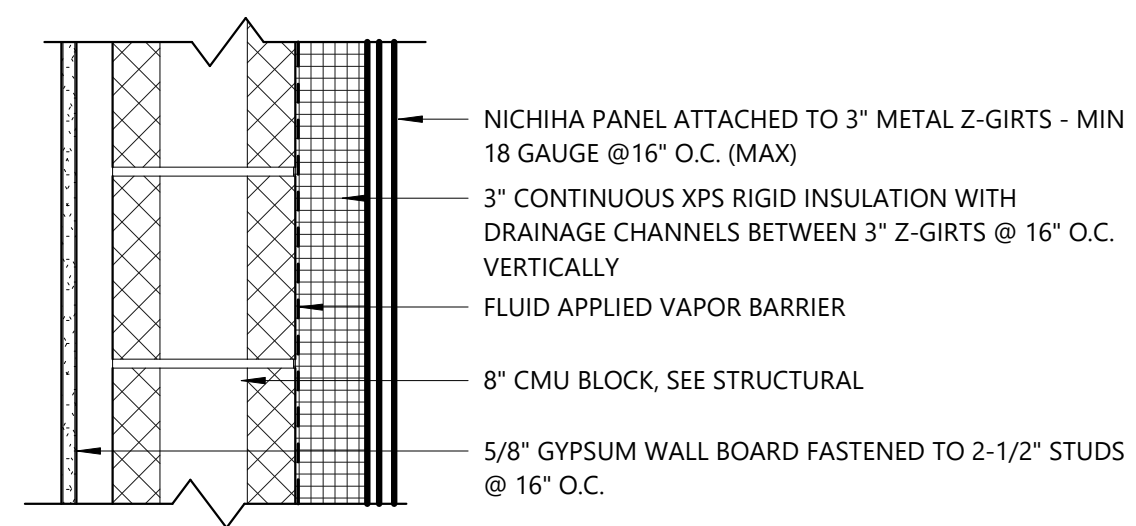
1 FIBER CEMENT WALL SYSTEM - FCP-1
A321 1 1/2" = 1'-0"



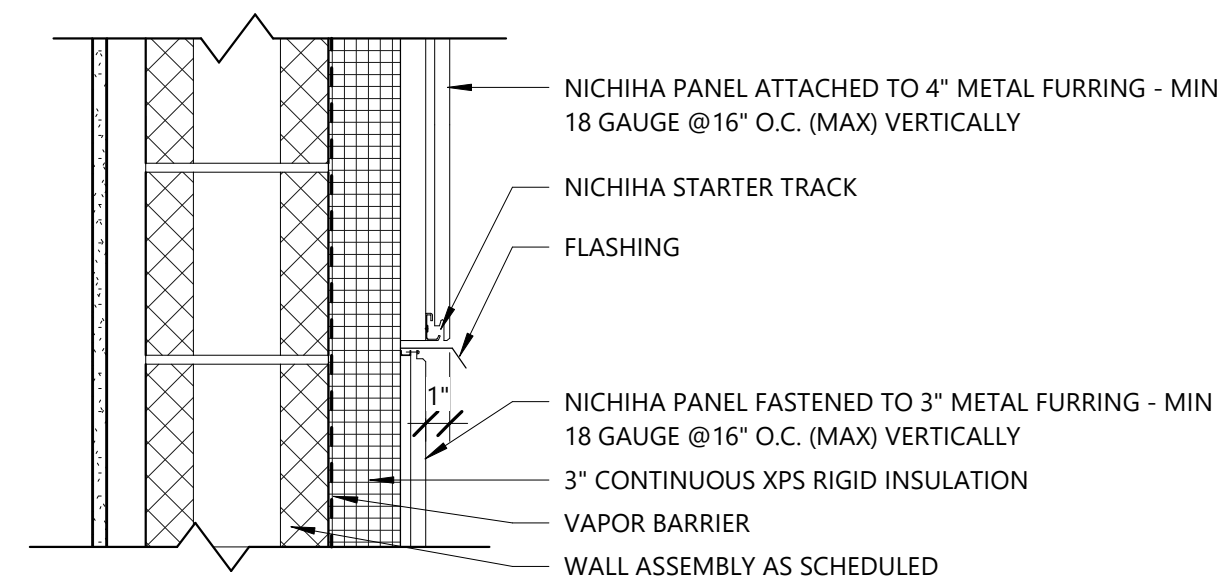
4 TYPICAL NICHIIHA PANEL DETAIL
A321 1 1/2" = 1'-0"



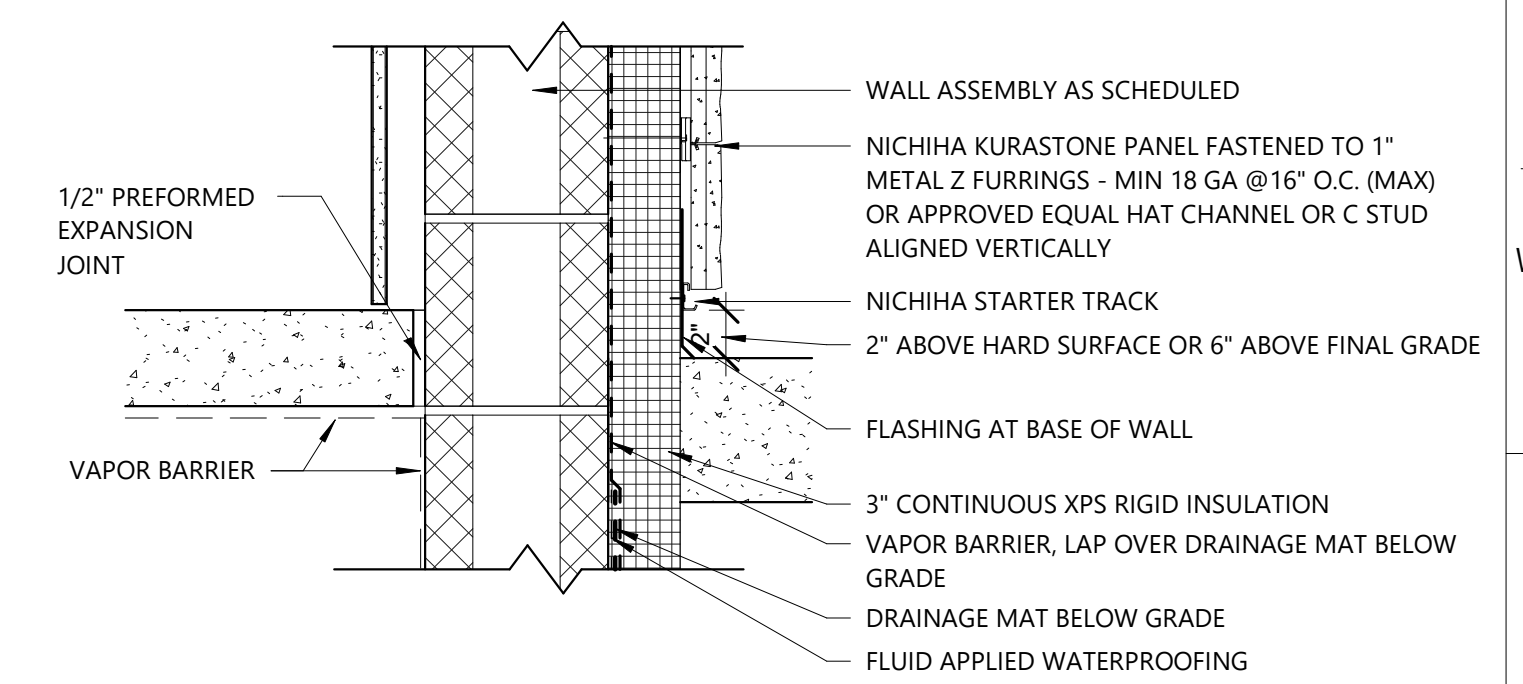
7 WINDOW SILL DETAIL
A321 1 1/2" = 1'-0"



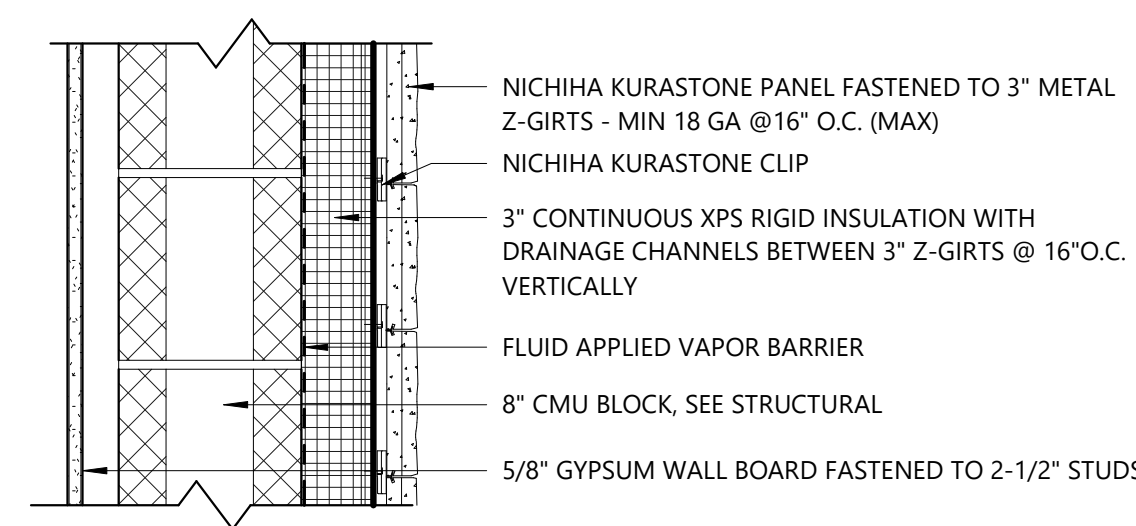
2 FIBER CEMENT WALL SYSTEM - FCP-2 & FCP-3
A321 1 1/2" = 1'-0"



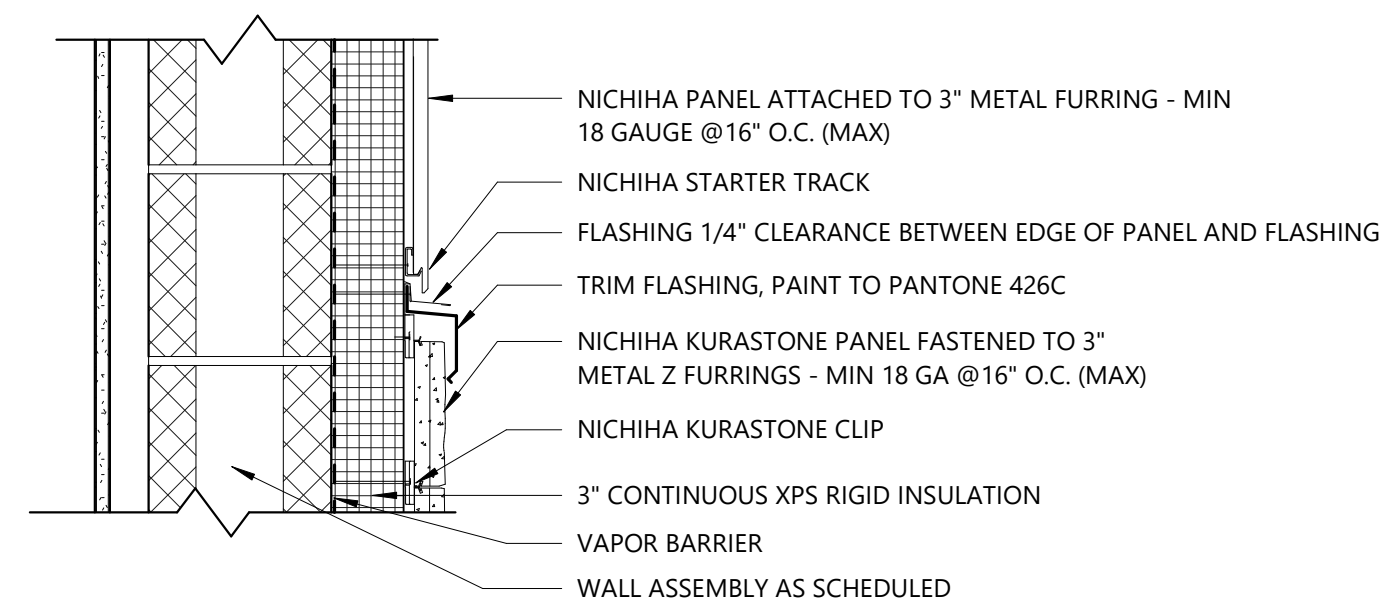
5 NICHIIHA PANEL TRANSITION 1
A321 1 1/2" = 1'-0"



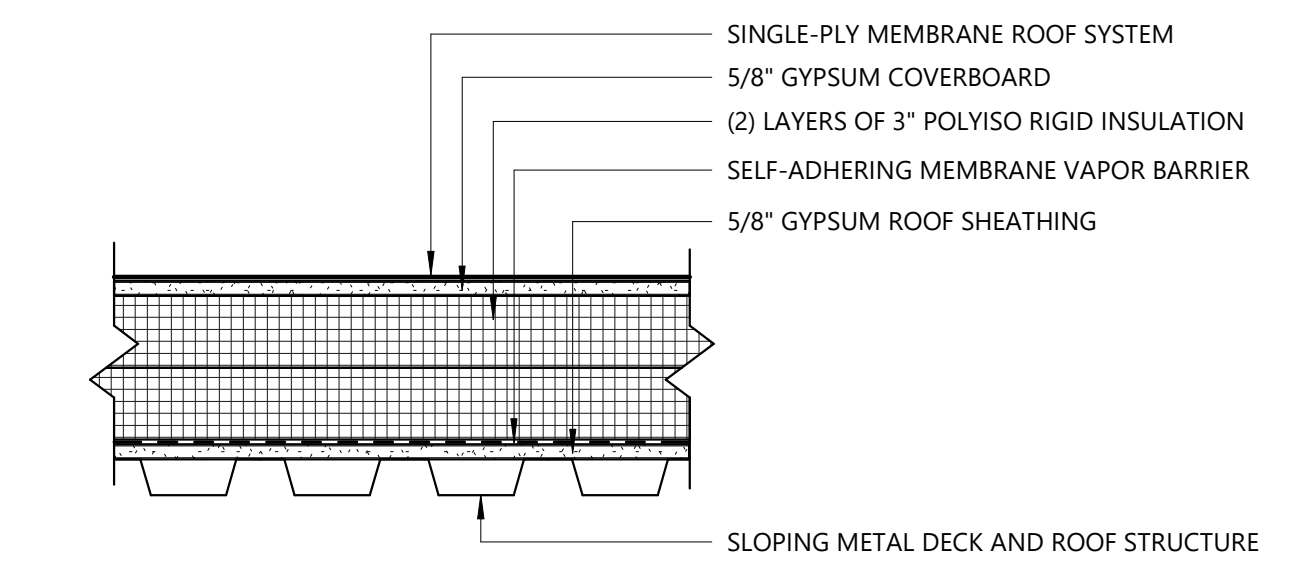
8 SECTION DETAIL @ GRADE
A321 1 1/2" = 1'-0"



3 FIBER CEMENT WALL SYSTEM - FCP-4
A321 1 1/2" = 1'-0"



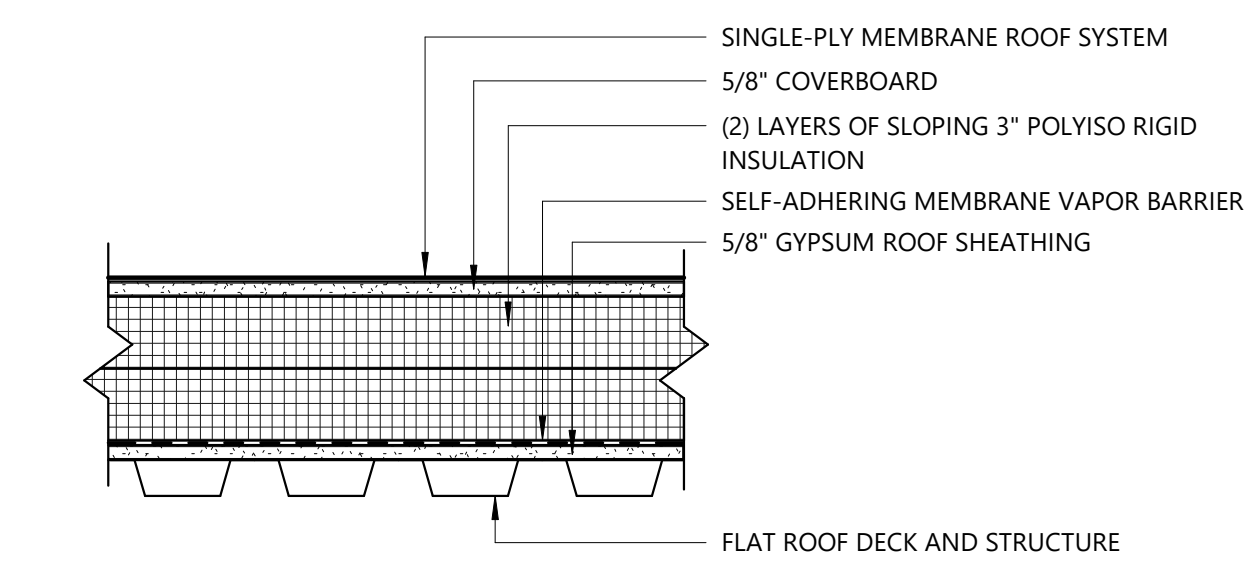
6 NICHIIHA PANEL TRANSITION 2
A321 1 1/2" = 1'-0"



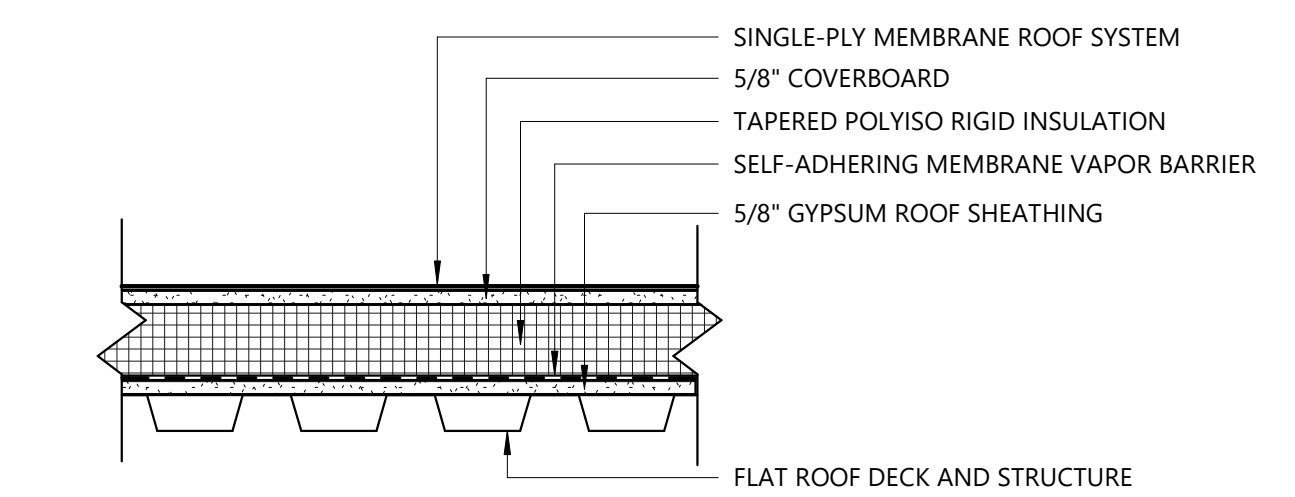
9 ROOF SYSTEM - RF-1
A321 1 1/2" = 1'-0"



3 FIBER CEMENT WALL SYSTEM - FCP-4
A321 1 1/2" = 1'-0"



10 ROOF SYSTEM - RF-2
A321 1 1/2" = 1'-0"

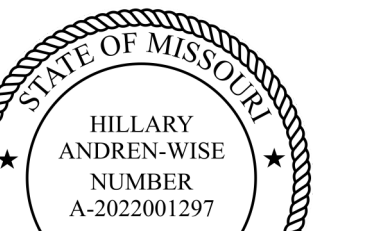


11 ROOF SYSTEM - RF-3
A321 1 1/2" = 1'-0"

PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: SLC
DRAWN BY: PAF
DESIGNED BY: RS&H
PROJECT NUMBER:

524-0368-028
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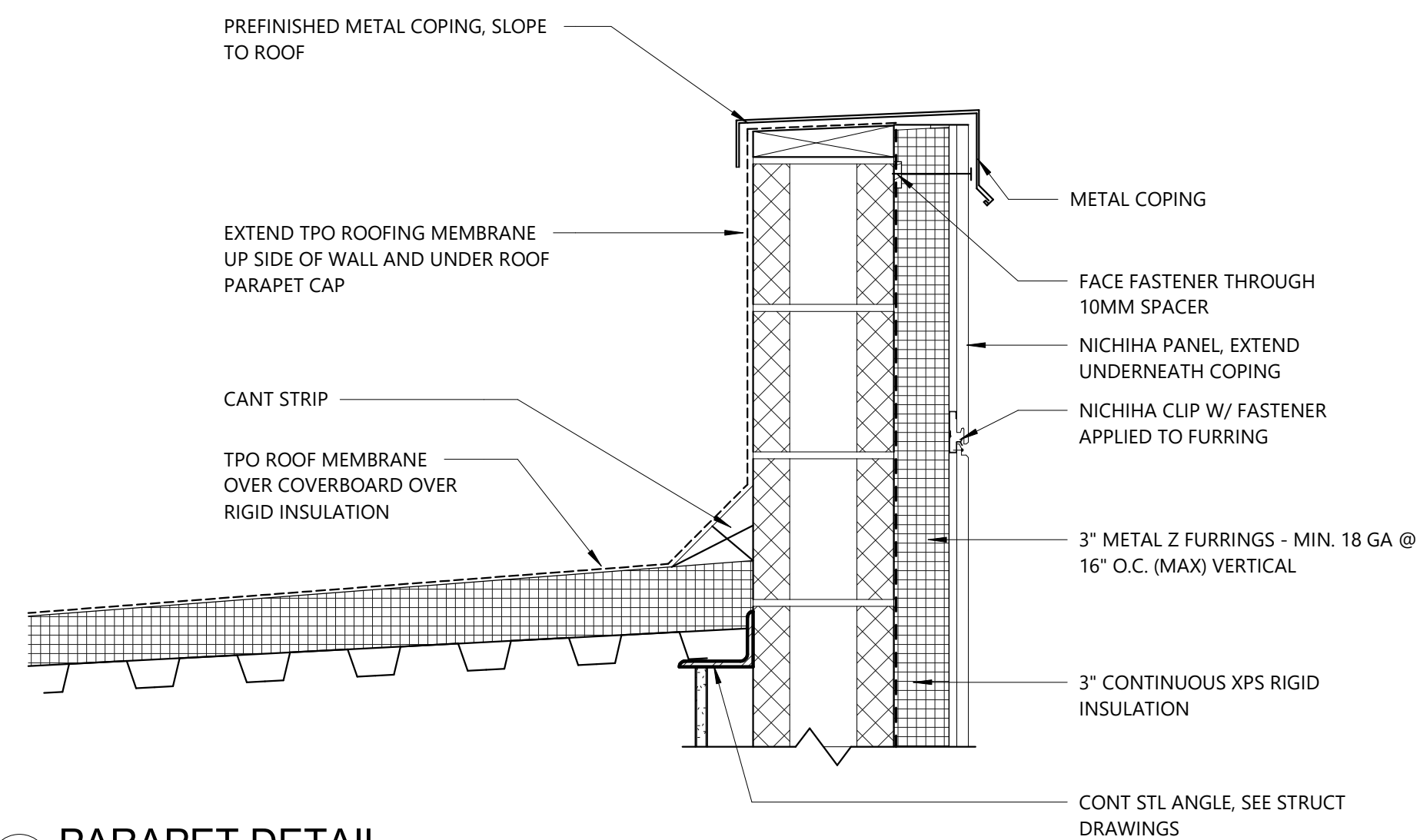
SHEET TITLE:

EXTERIOR WALL
DETAILS

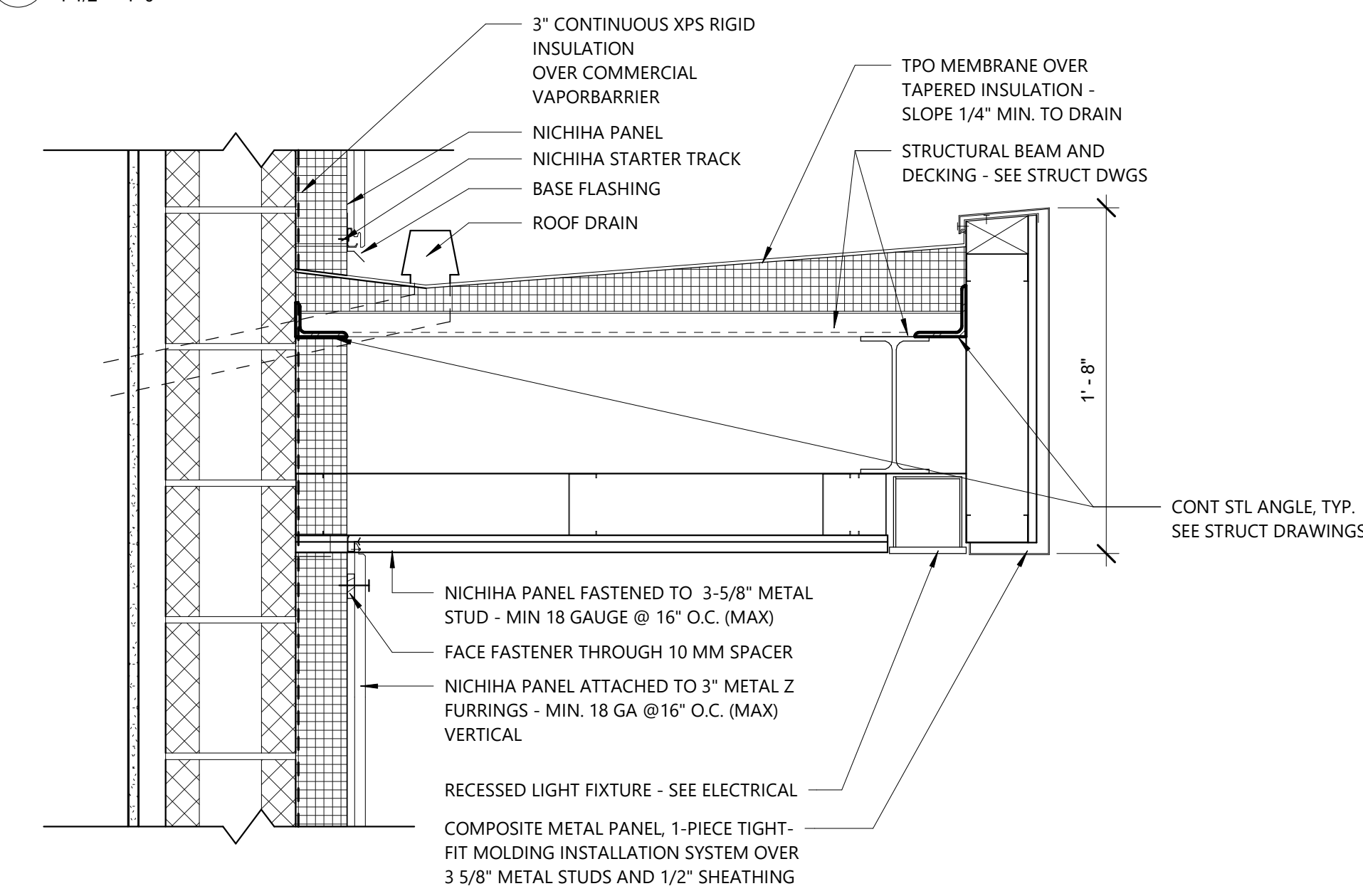
SHEET ID:

A321

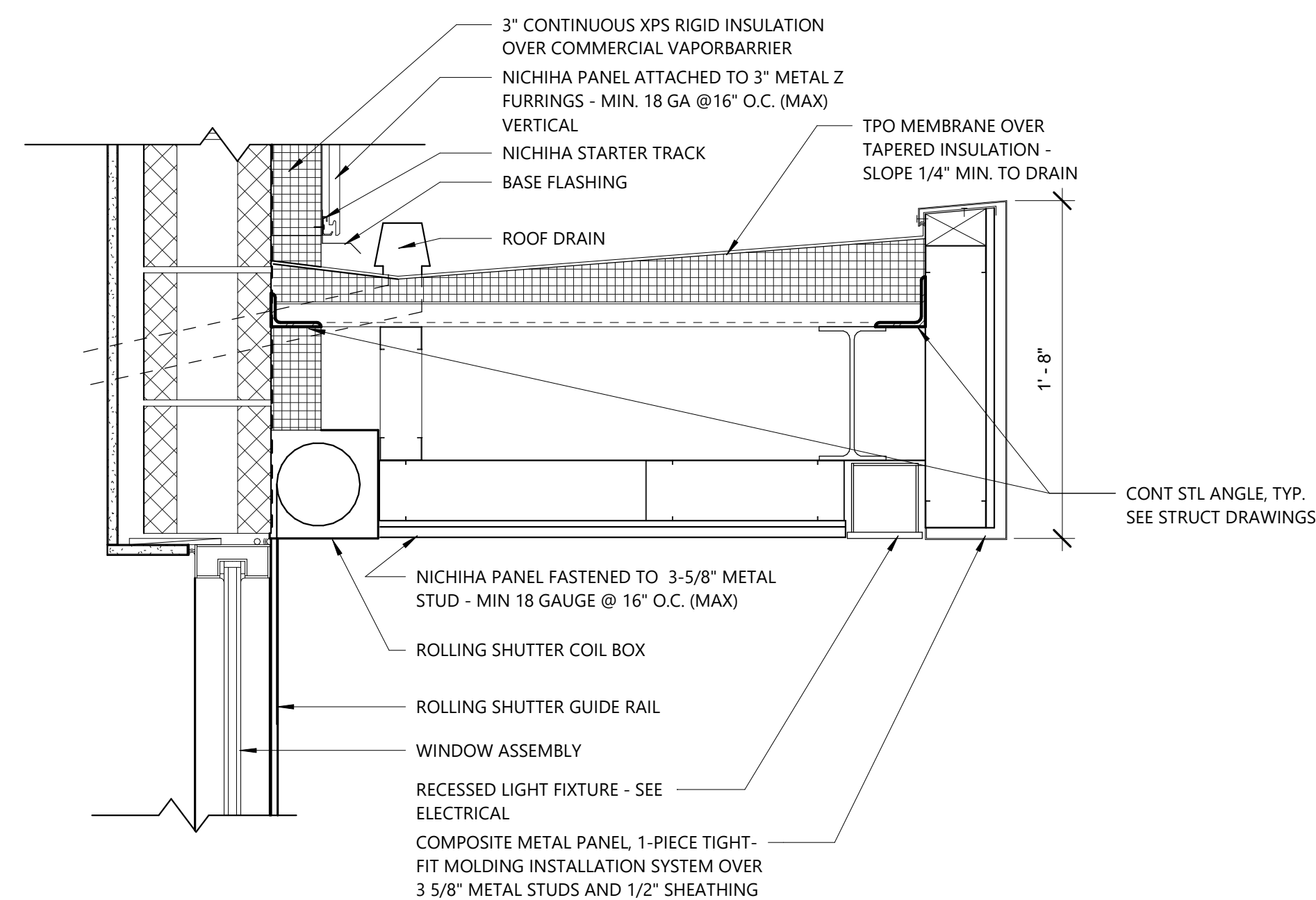
PROJECT STATUS:
PERMIT DOCUMENTS



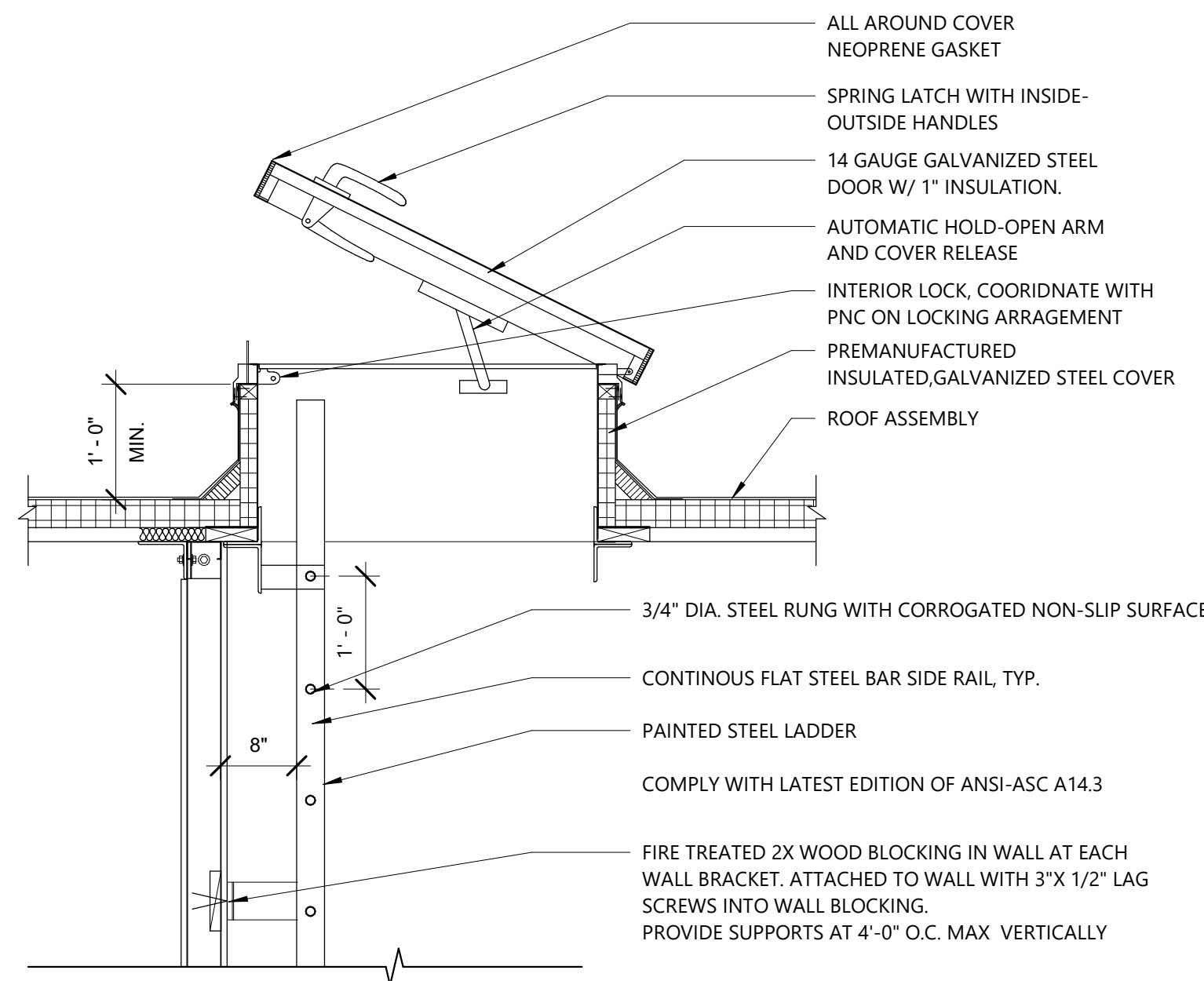
1 PARAPET DETAIL
A322 1 1/2" = 1'-0"



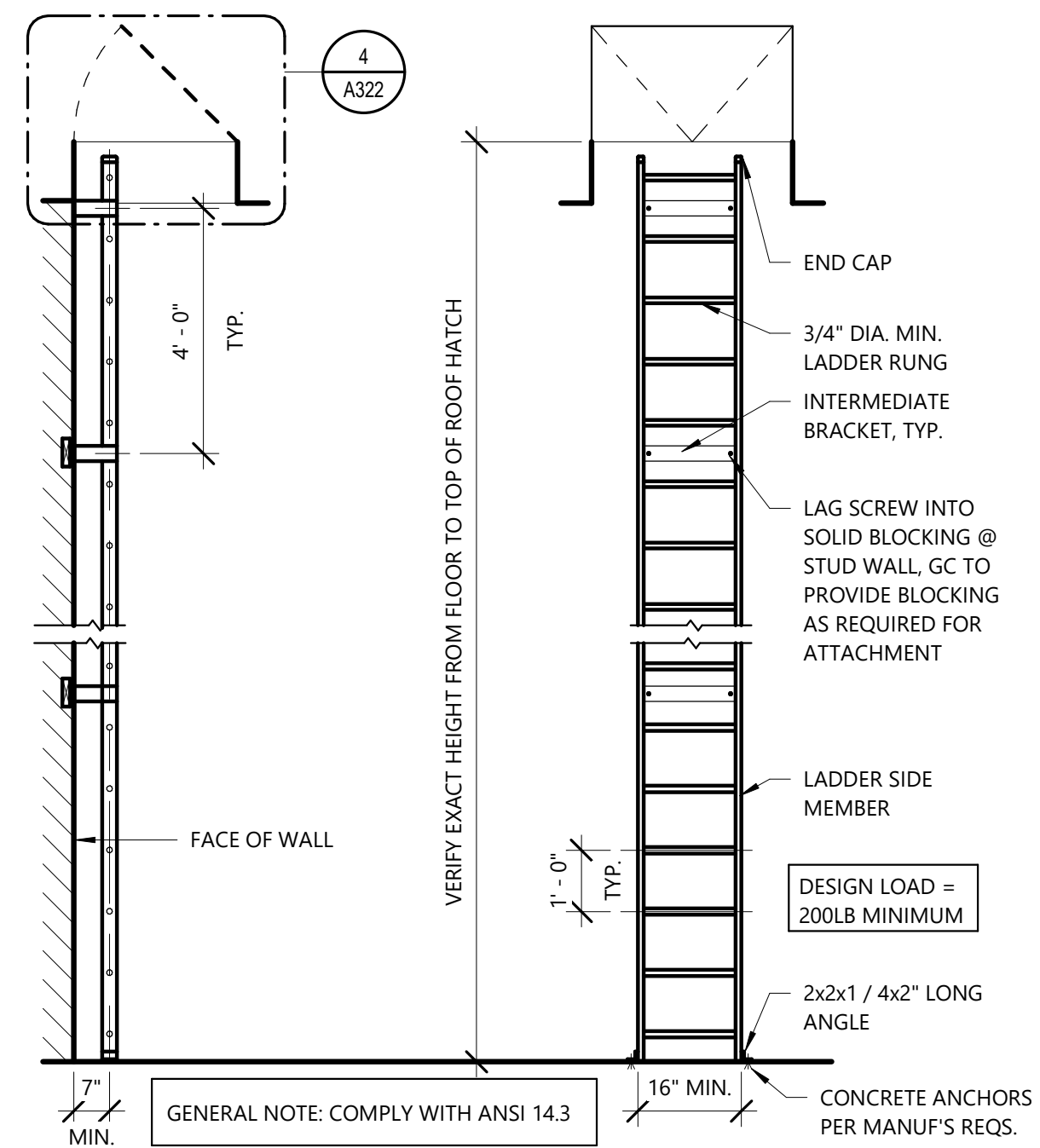
2 TYPICAL CANOPY DETAIL
A322 1 1/2" = 1'-0"



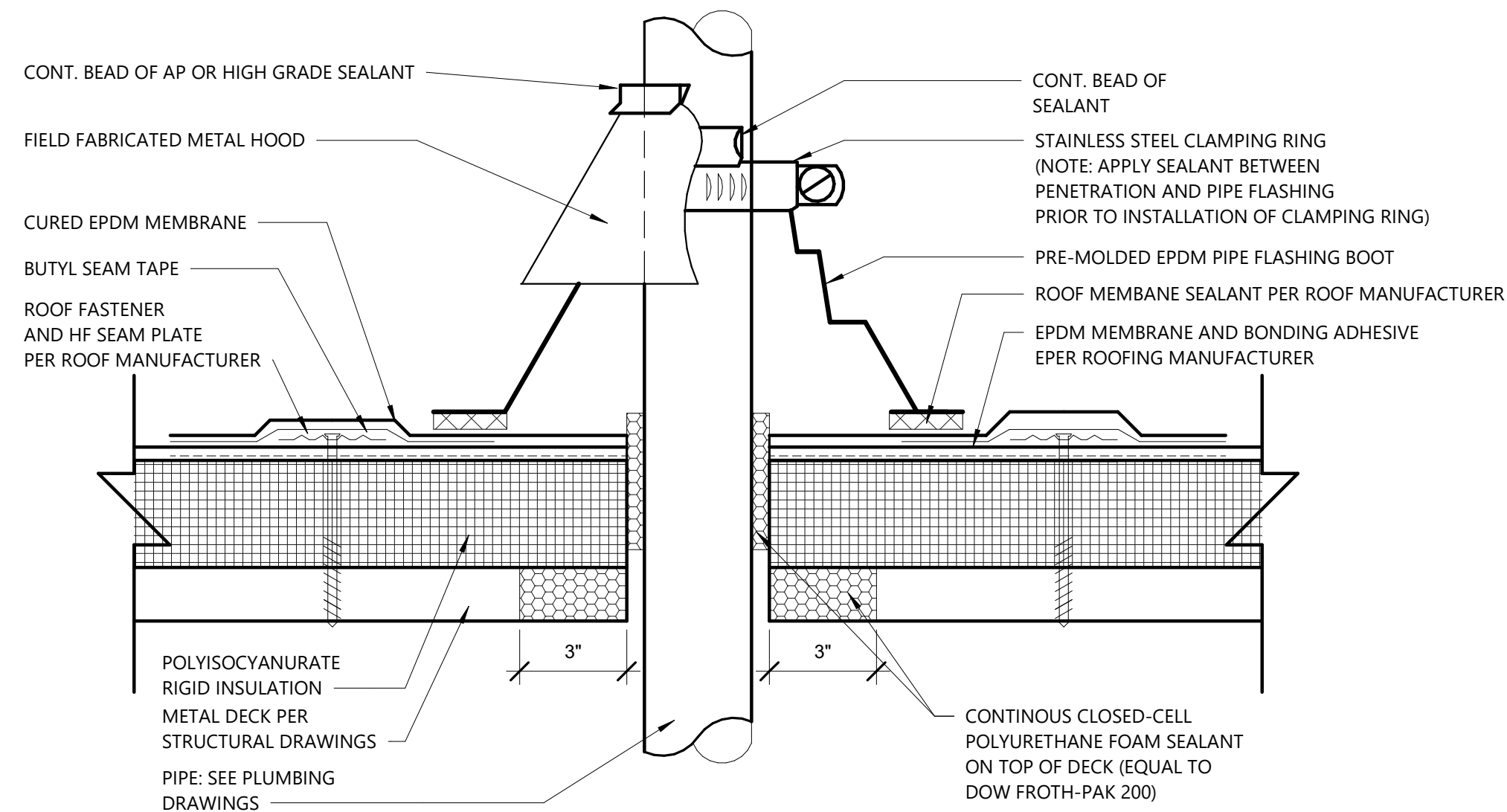
3 CANOPY DETAIL @ WINDOW HEADER
A322 1 1/2" = 1'-0"



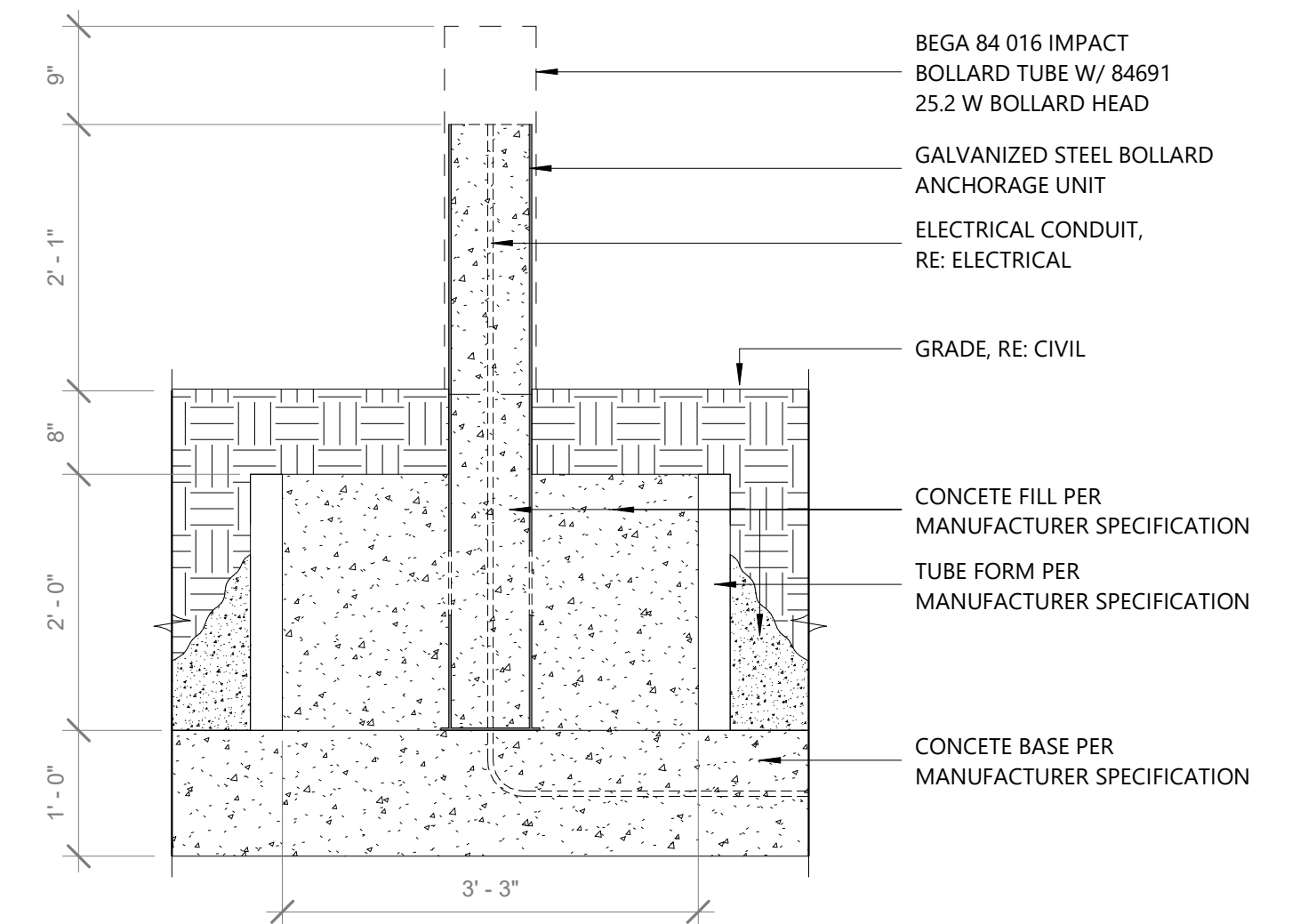
4 ROOF HATCH
A322 3/4" = 1'-0"



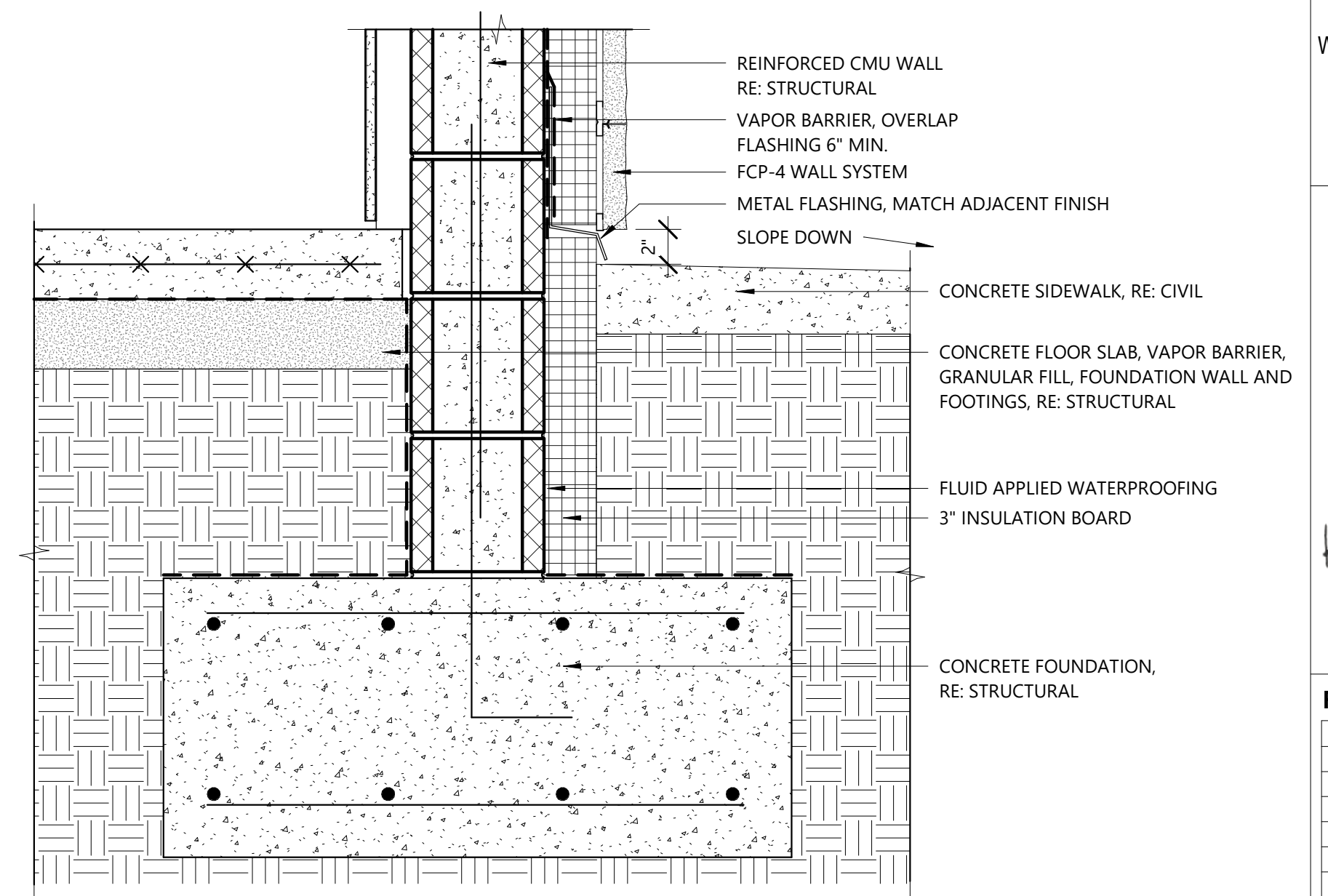
5 ROOF LADDER DETAILS
A322 3/8" = 1'-0"



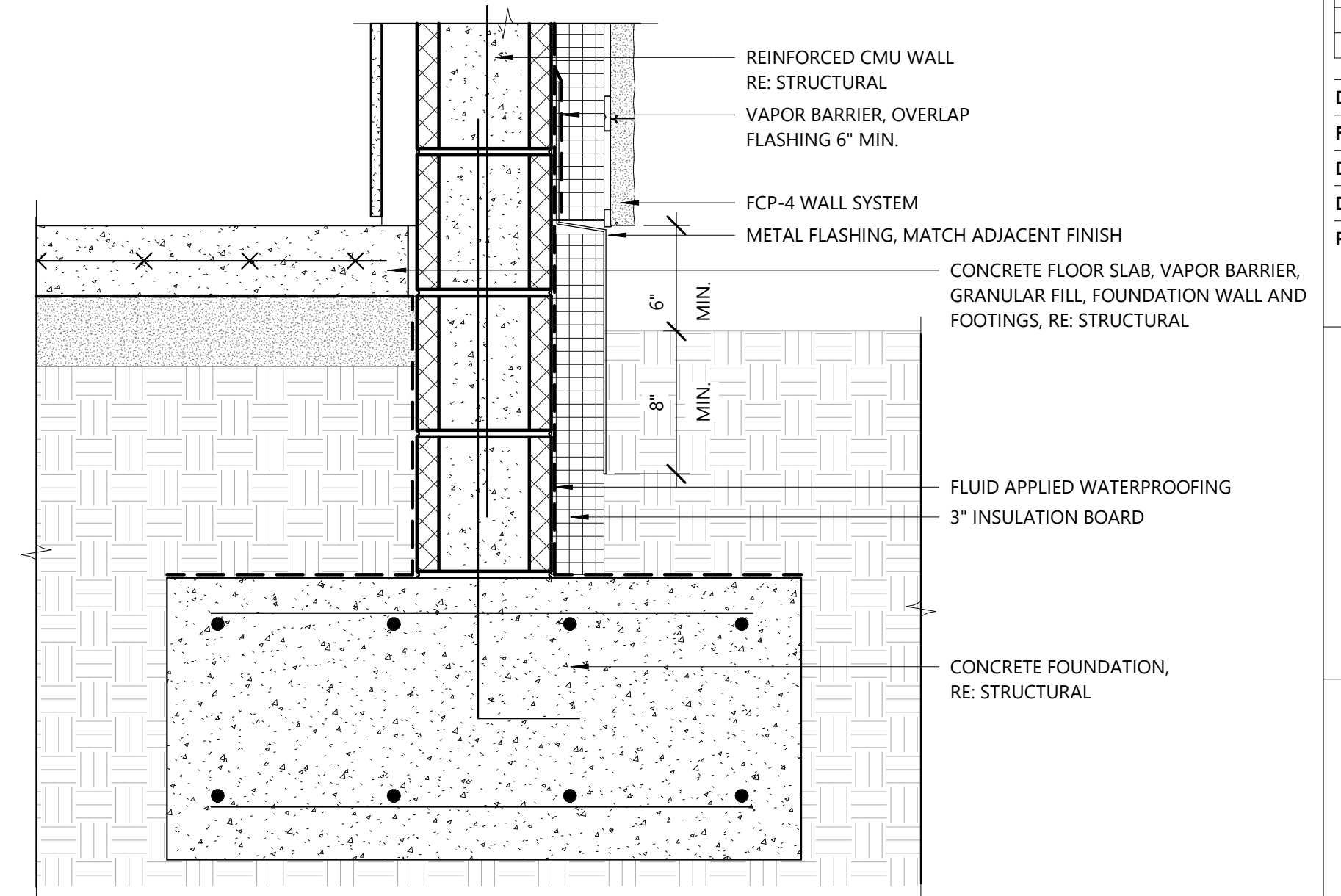
6 PIPE PENETRATION THROUGH ROOF
A322 3" = 1'-0"



8 BOLLARD DETAIL
A322 3/4" = 1'-0"

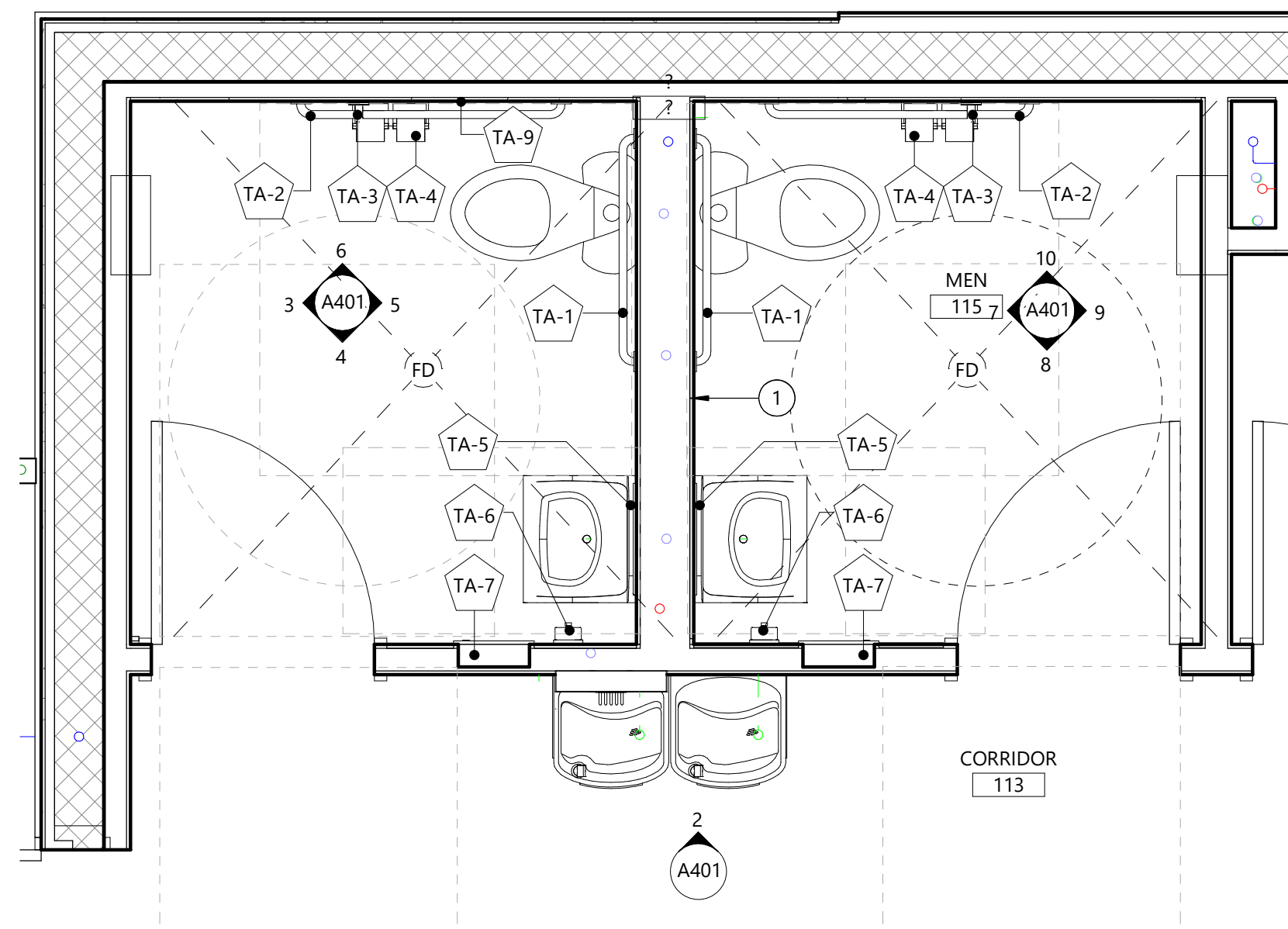


9 FOUNDATION DETAIL 2
A322 1 1/2" = 1'-0"

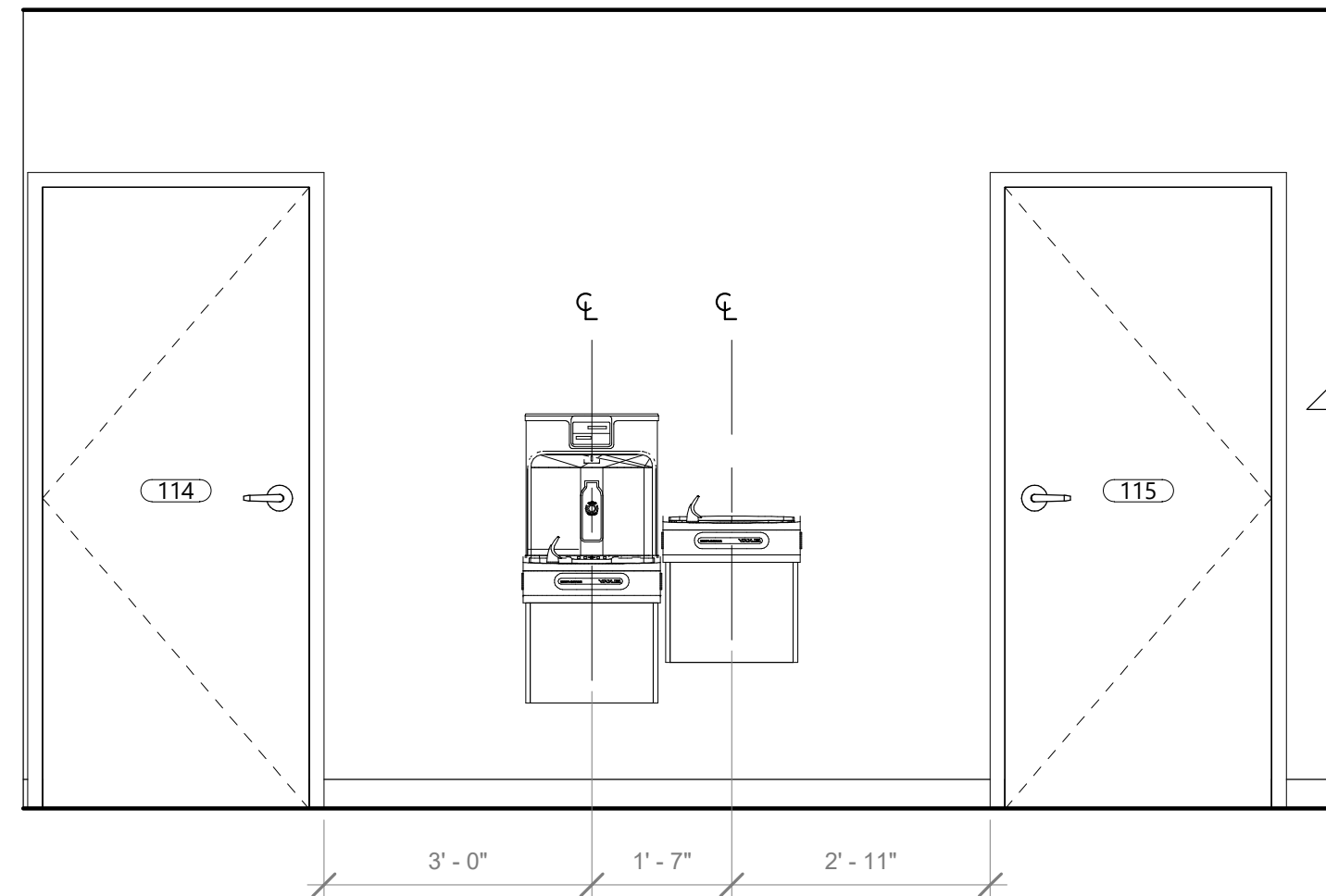


7 FOUNDATION DETAIL
A322 1 1/2" = 1'-0"

NO.	DESCRIPTION	DATE



1 ENLARGED RESTROOM PLANS
A401 1/2" = 1'-0"



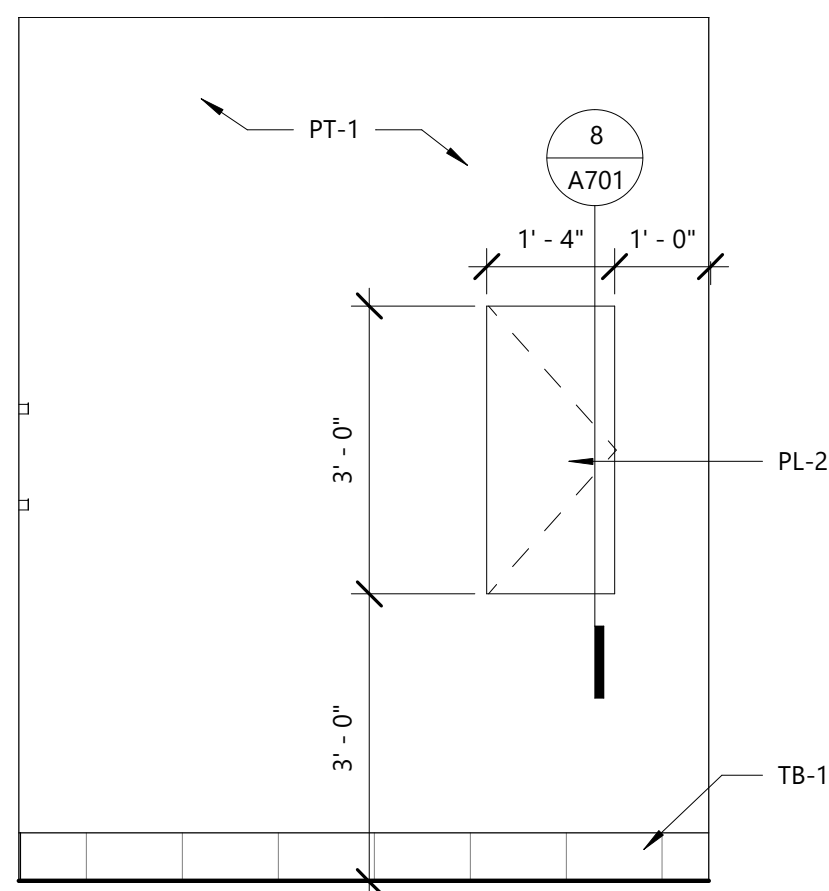
2 CORRIDOR 113 - NORTH
A401 1/2" = 1'-0"

RESTROOM EQUIPMENT SCHEDULE

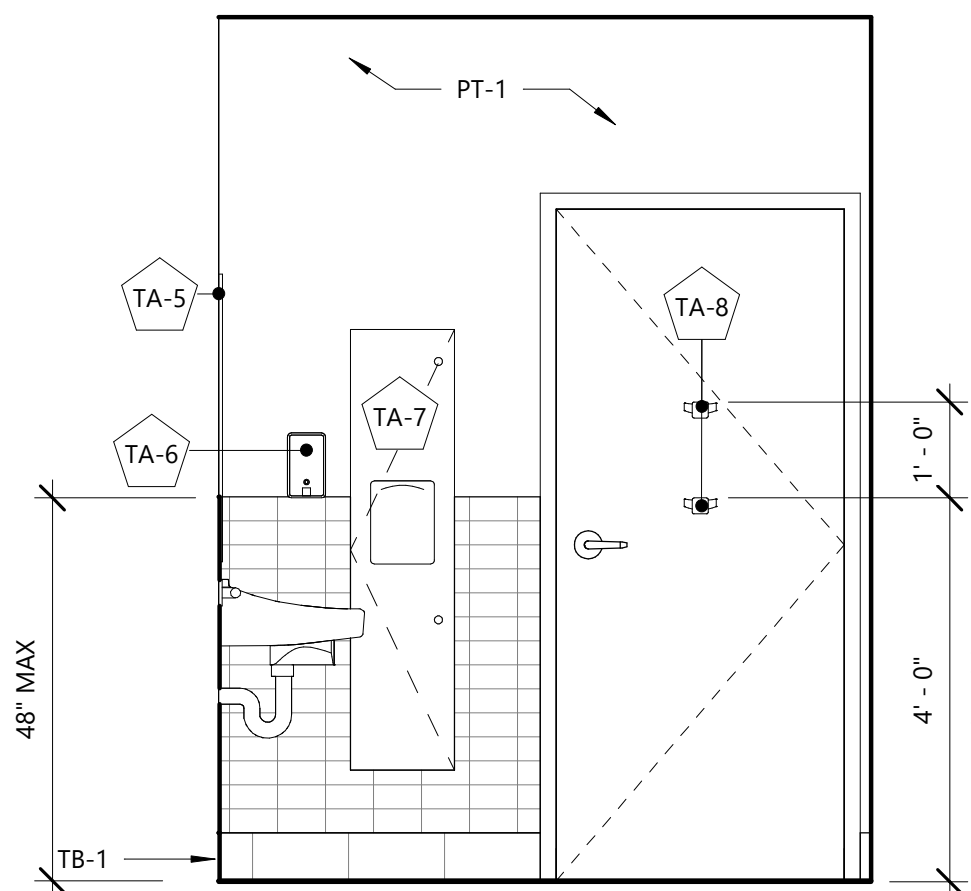
TAG	DESCRIPTION	PRODUCT		FURNISHED BY	INSTALLED BY	FINISH MATERIAL
		MANUFACTURER	MODEL			
TA-1	GRAB BAR	BOBRICK	B-5806-36	G.C.	G.C.	SATIN STAINLESS STEEL
TA-2	GRAB BAR	BOBRICK	B-5806-42	G.C.	G.C.	SATIN STAINLESS STEEL
TA-3	GRAB BAR	BOBRICK	B-5806-18	G.C.	G.C.	SATIN STAINLESS STEEL
TA-4	TOILET TISSUE DISPENSER	BOBRICK	B-265	G.C.	G.C.	STAINLESS STEEL
TA-5	MIRROR	BOBRICK	B-165-1836	G.C.	G.C.	STAINLESS STEEL
TA-6	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111	G.C.	G.C.	STAINLESS STEEL
TA-7	PAPER TOWEL & WASTE RECEPTACLE	BOBRICK	B-38034	G.C.	G.C.	STAINLESS STEEL
TA-8	HOOK	BOBRICK	B-6717	G.C.	G.C.	SATIN STAINLESS STEEL
TA-9	RECESSED SANITARY NAPKIN DISPOSAL	BOBRICK	B-353	G.C.	G.C.	SATIN STAINLESS STEEL
TA-10	TOUCHLESS PAPER TOWEL DISPENSER	GEORGIA-PACIFIC	59466A	G.C.	G.C.	SATIN STAINLESS STEEL

FLOOR PLAN KEY NOTES (X)

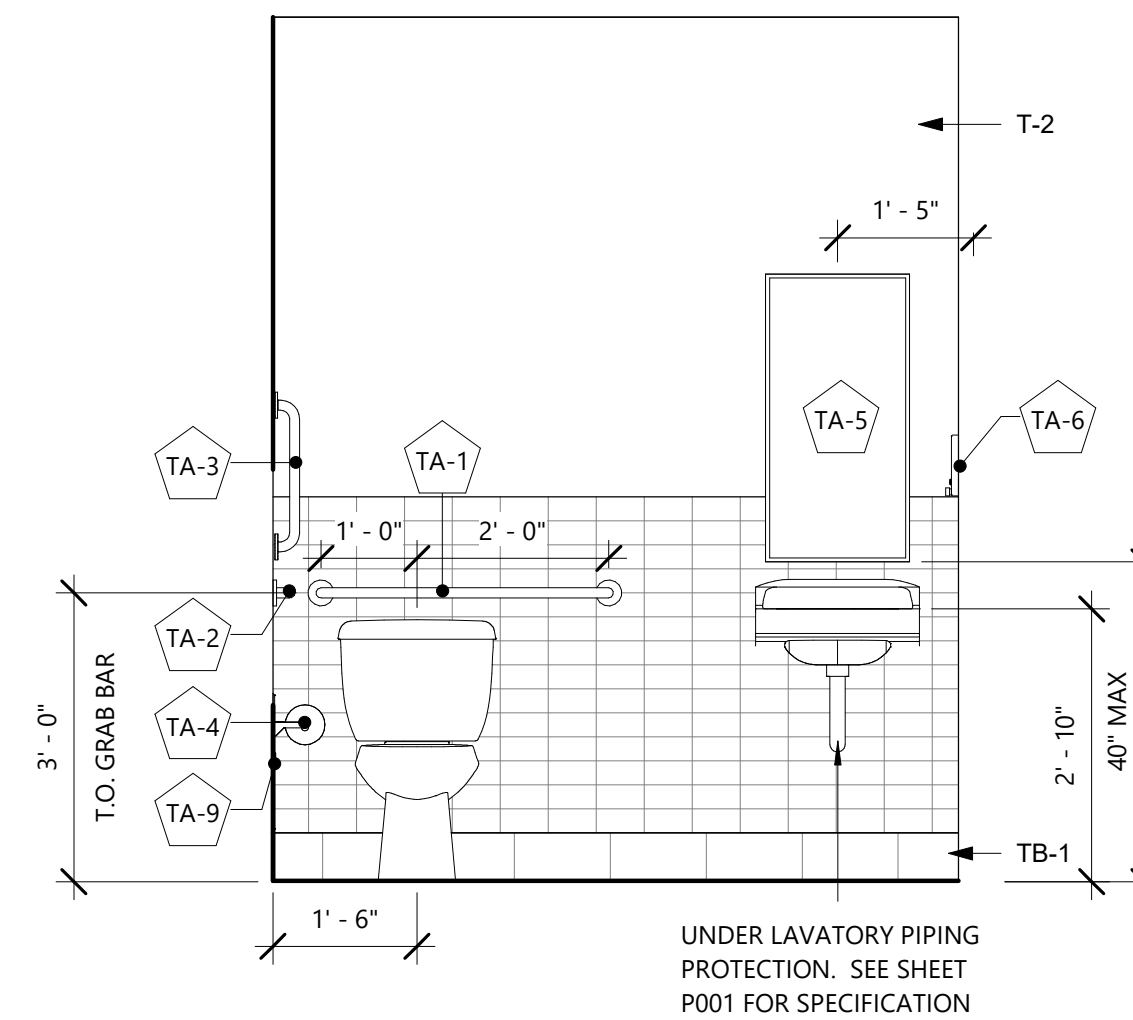
- 1. PROVIDE 5/8" MOISTURE RESISTANT GYPSUM BOARD AT ALL WET WALL LOCATIONS. BASIS OF DESIGN - NATIONAL GYPSUM "GOLD BOND XP GYPSUM BOARD WITH SPORGARD.



3 WOMEN'S 114 - WEST
A401 1/2" = 1'-0"

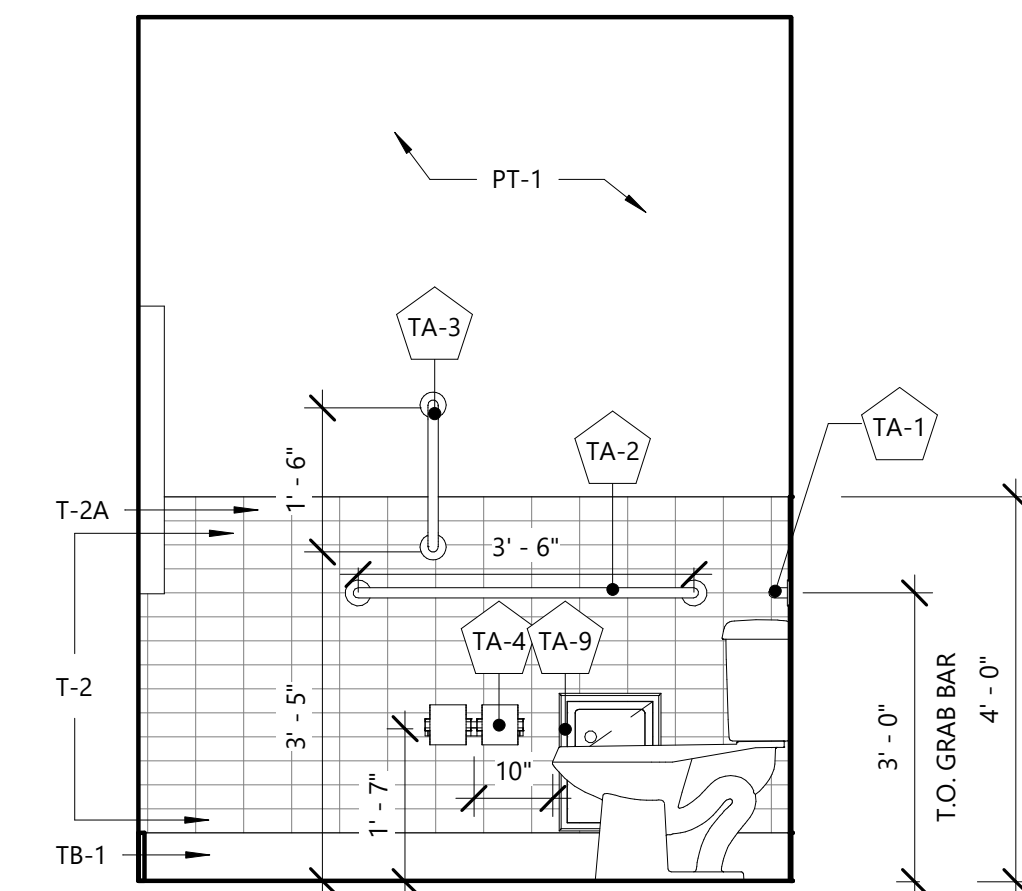


4 WOMEN'S 114 - SOUTH
A401 1/2" = 1'-0"

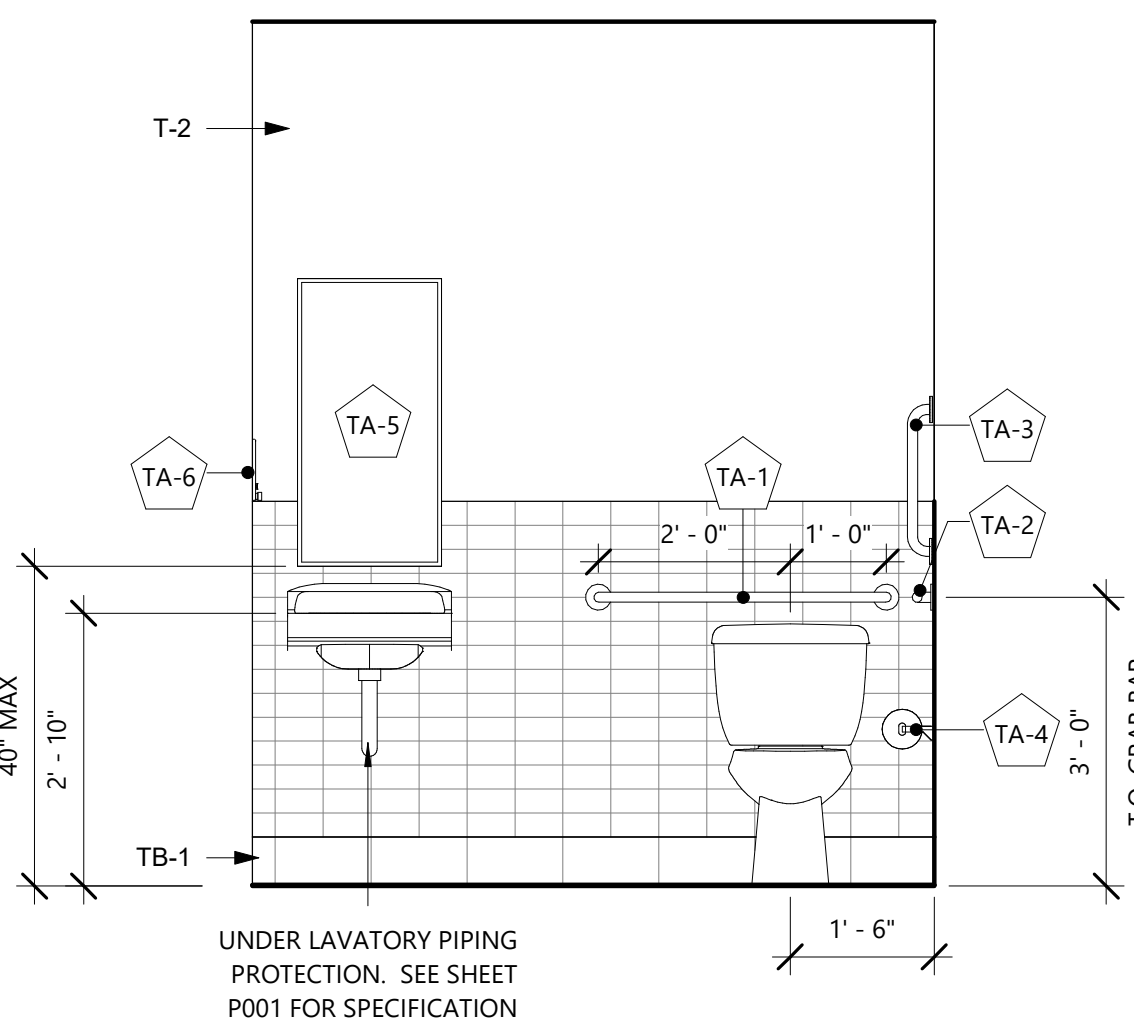


5 WOMEN'S 114 - EAST
A401 1/2" = 1'-0"

UNDER LAVATORY PIPING PROTECTION. SEE SHEET P001 FOR SPECIFICATION

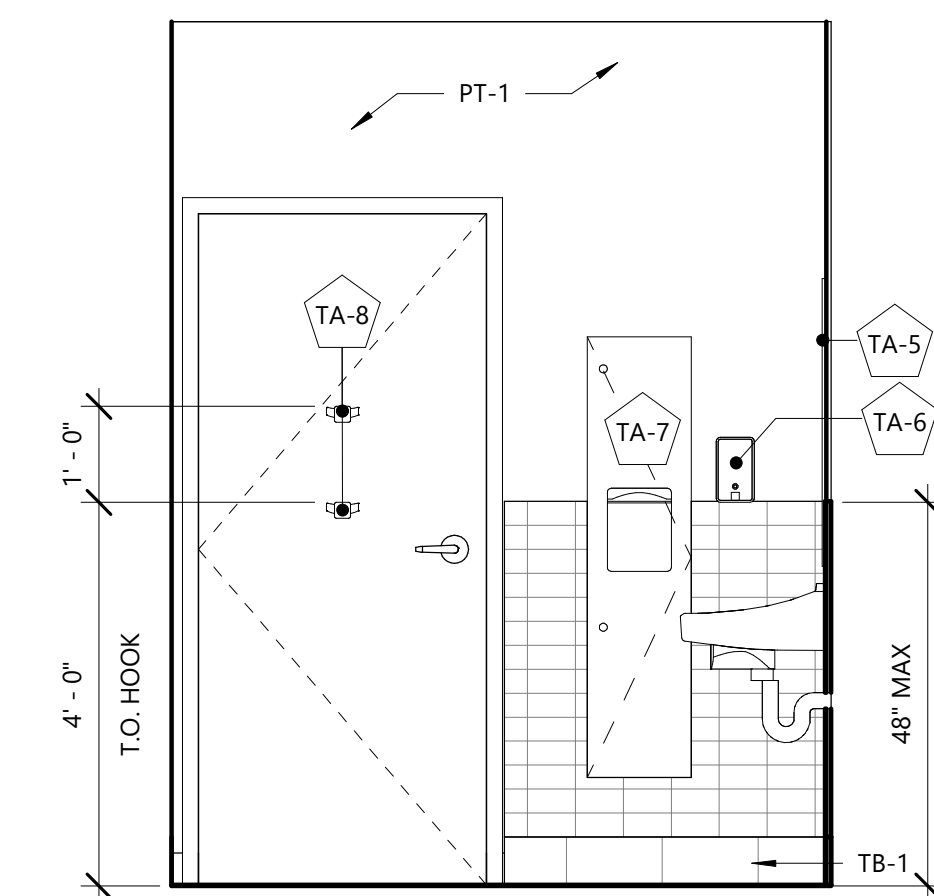


6 WOMEN'S 114 - NORTH
A401 1/2" = 1'-0"

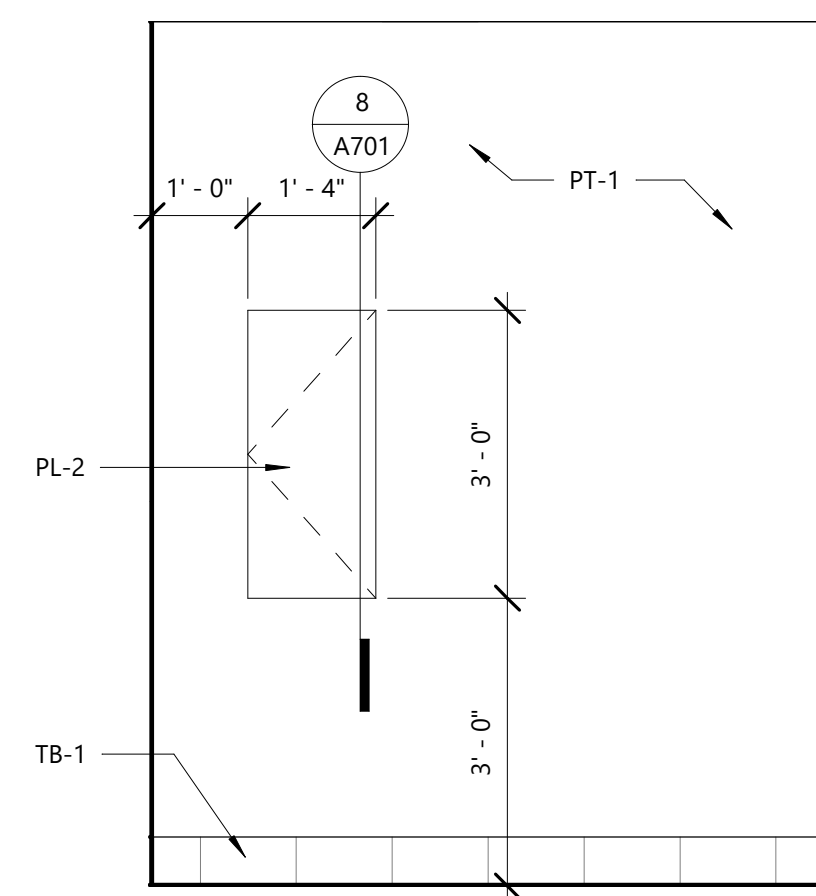


7 MEN'S 115 - WEST
A401 1/2" = 1'-0"

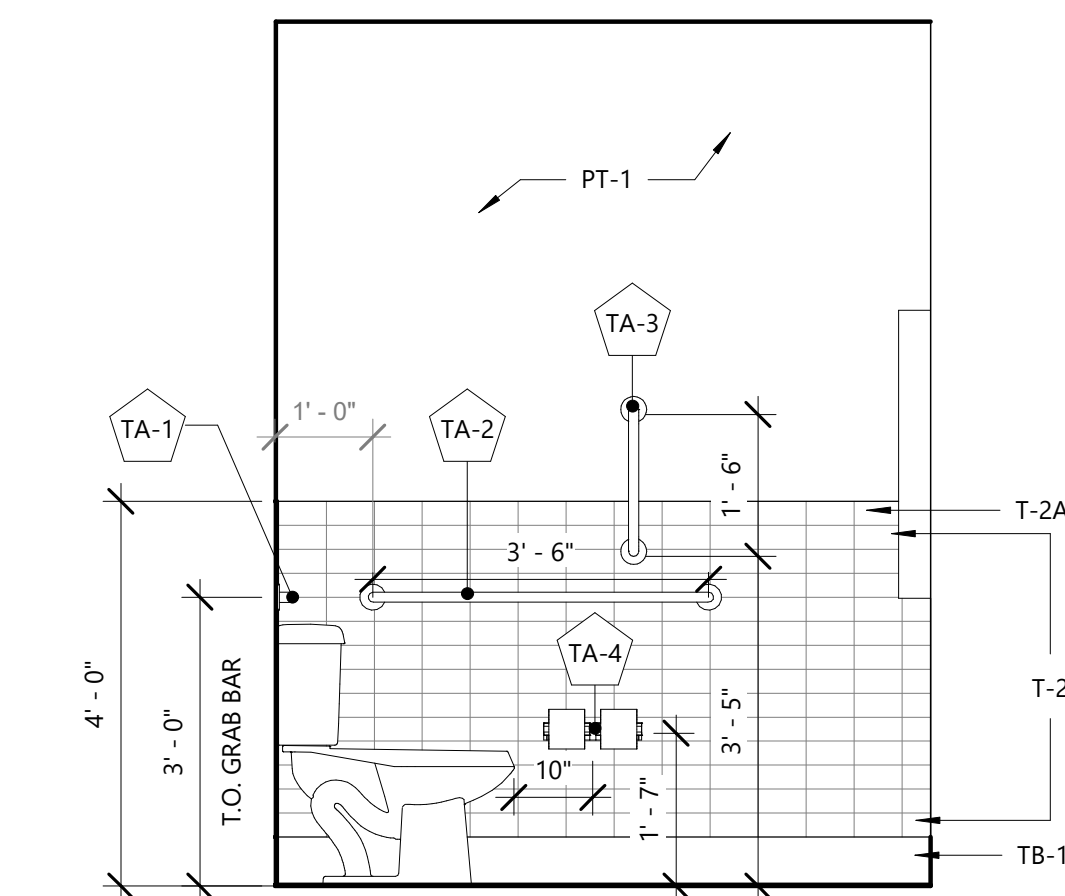
UNDER LAVATORY PIPING PROTECTION. SEE SHEET P001 FOR SPECIFICATION



8 MEN'S 115 - SOUTH
A401 1/2" = 1'-0"



9 MEN'S 115 - EAST
A401 1/2" = 1'-0"



10 MEN'S 115 - NORTH
A401 1/2" = 1'-0"



RS&H, Inc.
4522 S ULSTER STREET
SUITE 1100, DENVER, CO 80237
303-409-9700 FAX 303-409-9701

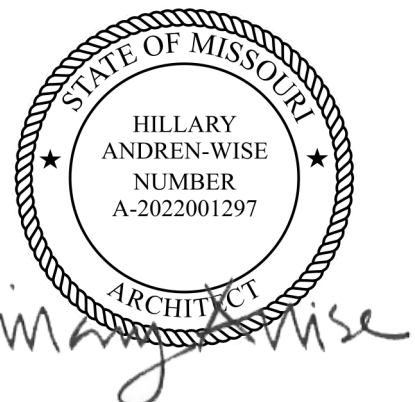
www.rsandh.com
MO LICENSE NOS. 2003019618 * 2003019636



PROJECT TITLE:

**PNC MO LEE'S SUMMIT
GROUND UP BRANCH**

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: CP
DRAWN BY: RUCJ
DESIGNED BY: RSH
PROJECT NUMBER:

524-0368-028
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SHEET TITLE:

**ENLARGED
RESTROOM PLANS
AND ELEVATIONS**

SHEET ID:

A401

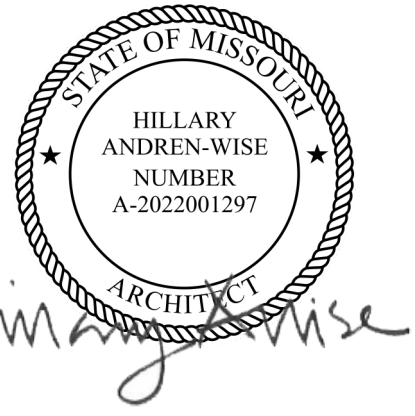
PROJECT STATUS:
PERMIT DOCUMENTS

PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
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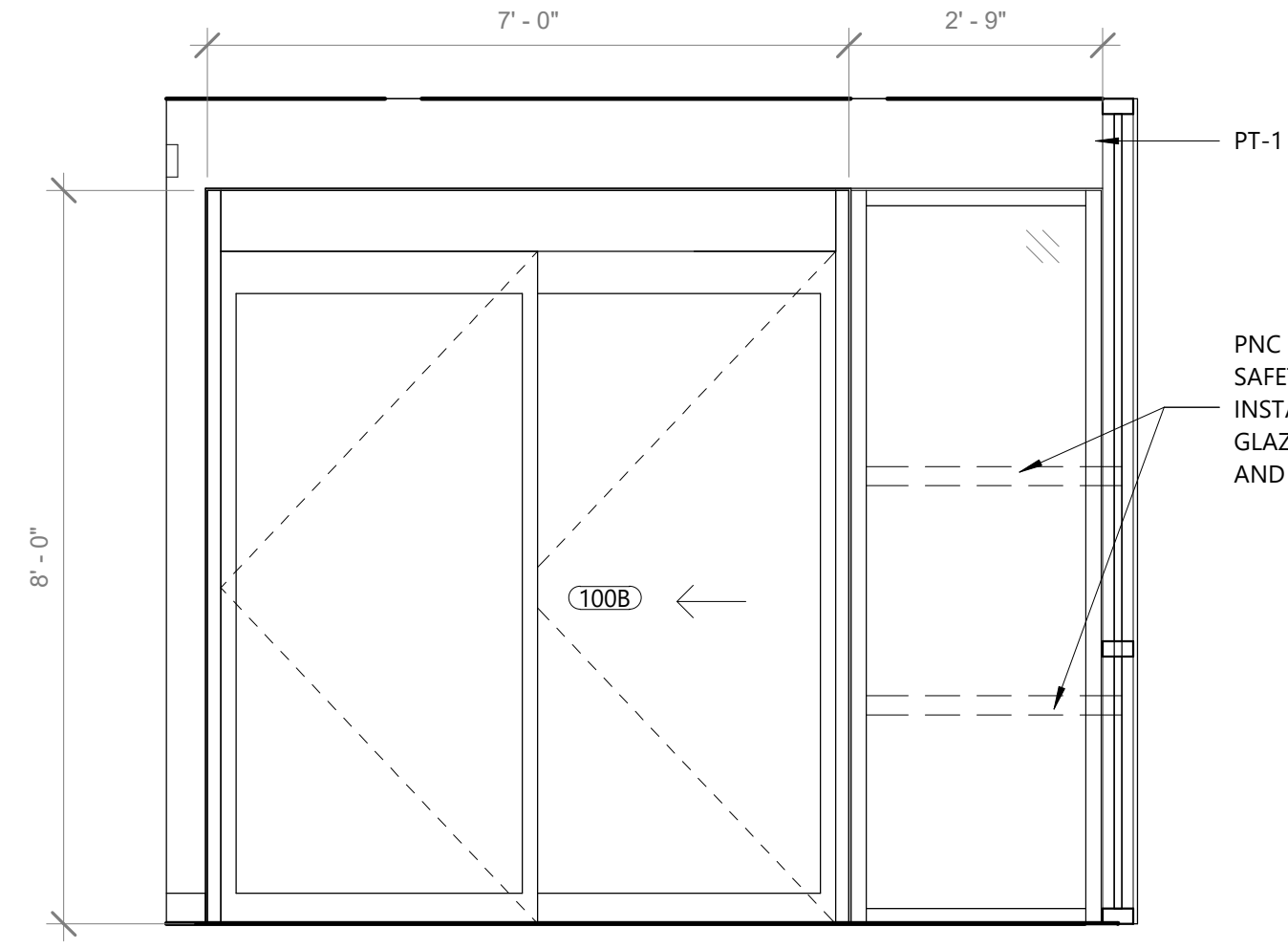
INTERIOR
ELEVATIONS

SHEET ID:

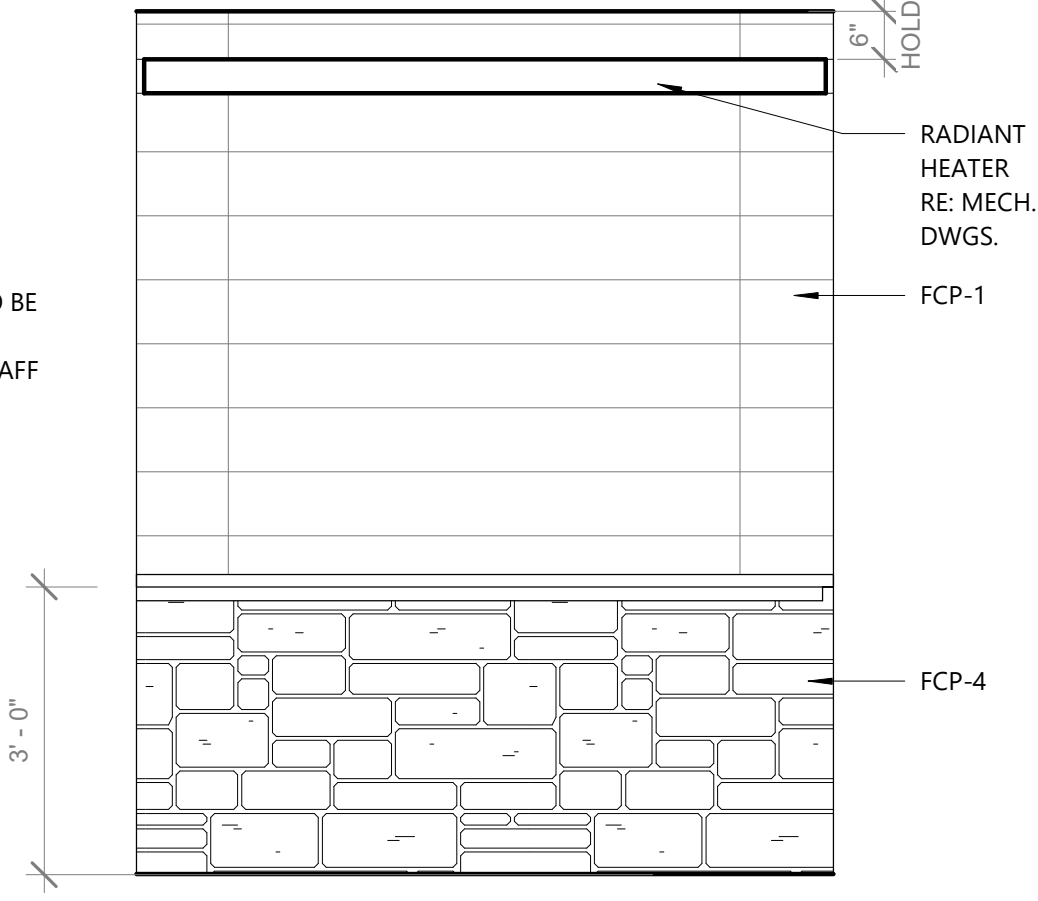
A402

PROJECT STATUS:

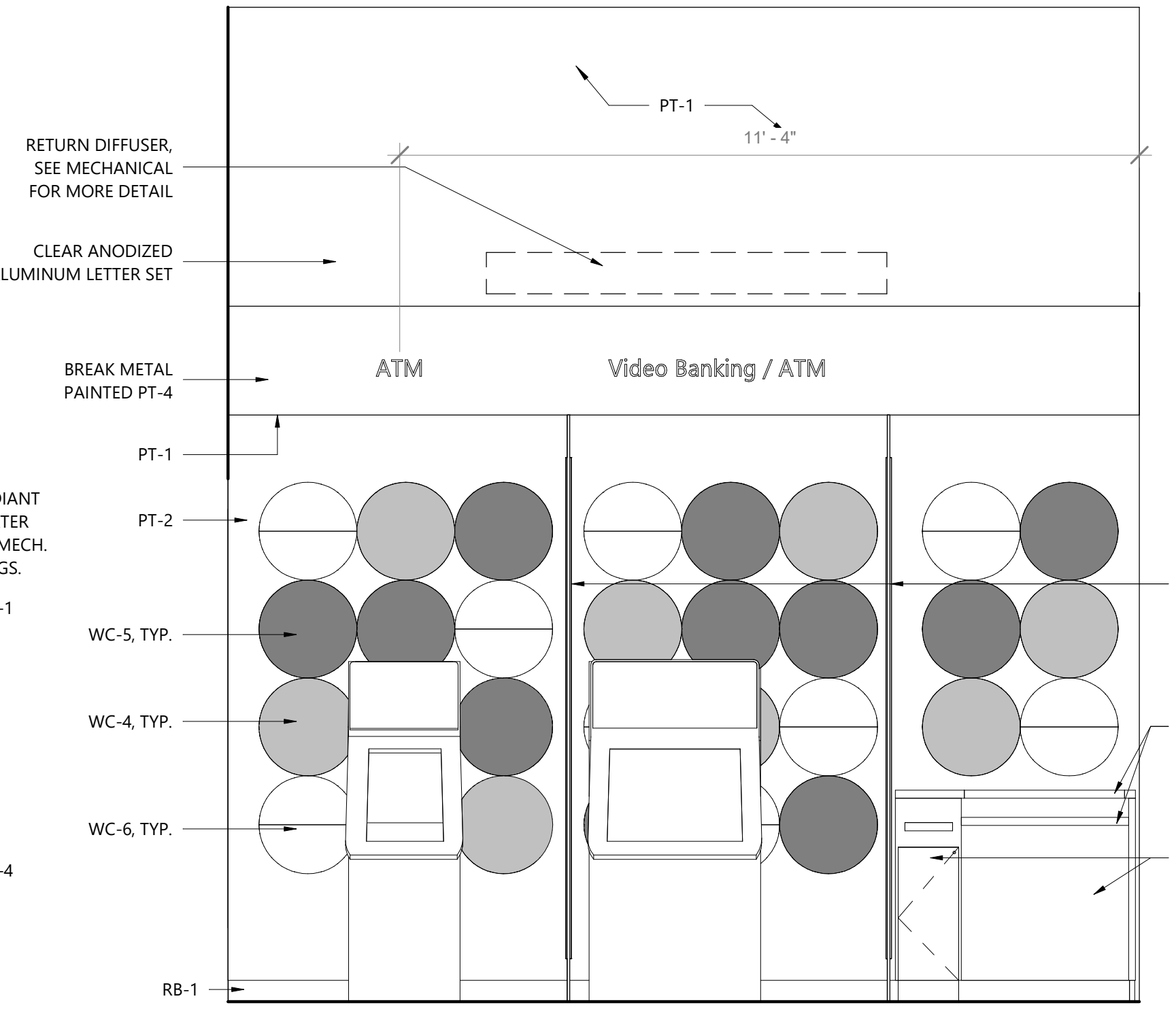
PERMIT DOCUMENTS



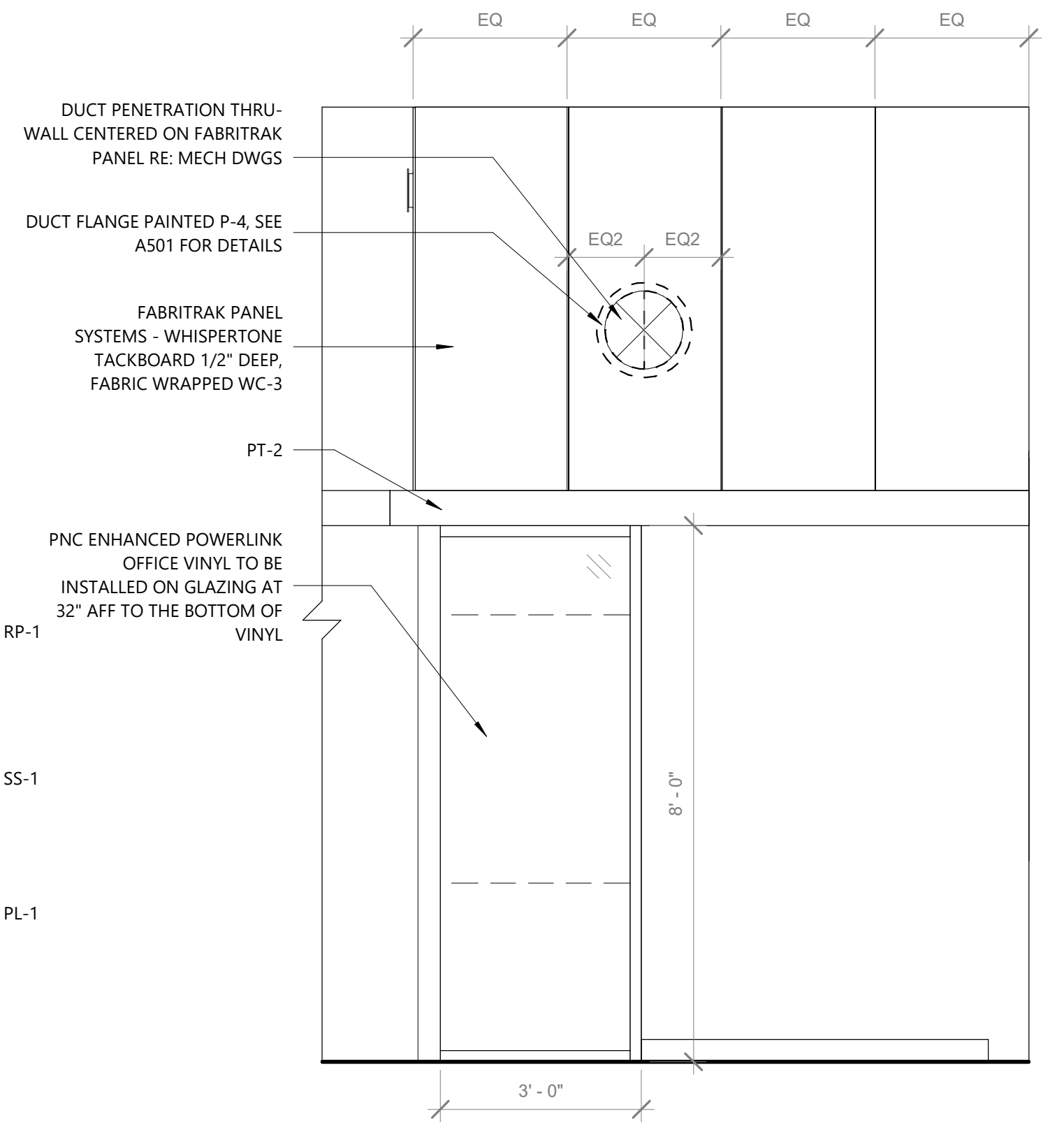
1 VESTIBULE 100 - NORTH
A402 1/2" = 1'-0"



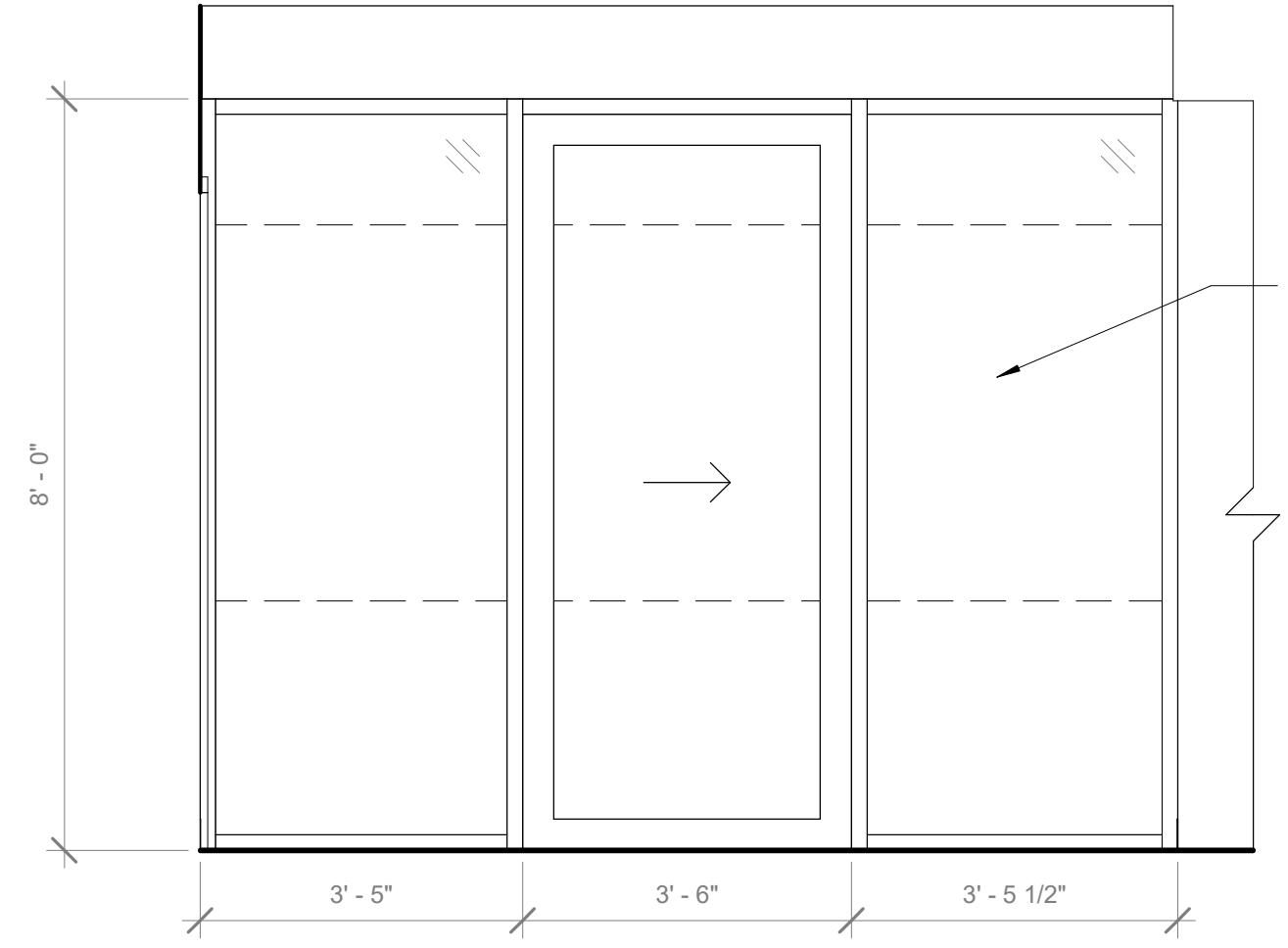
2 VESTIBULE 100 - WEST
A402 1/2" = 1'-0"



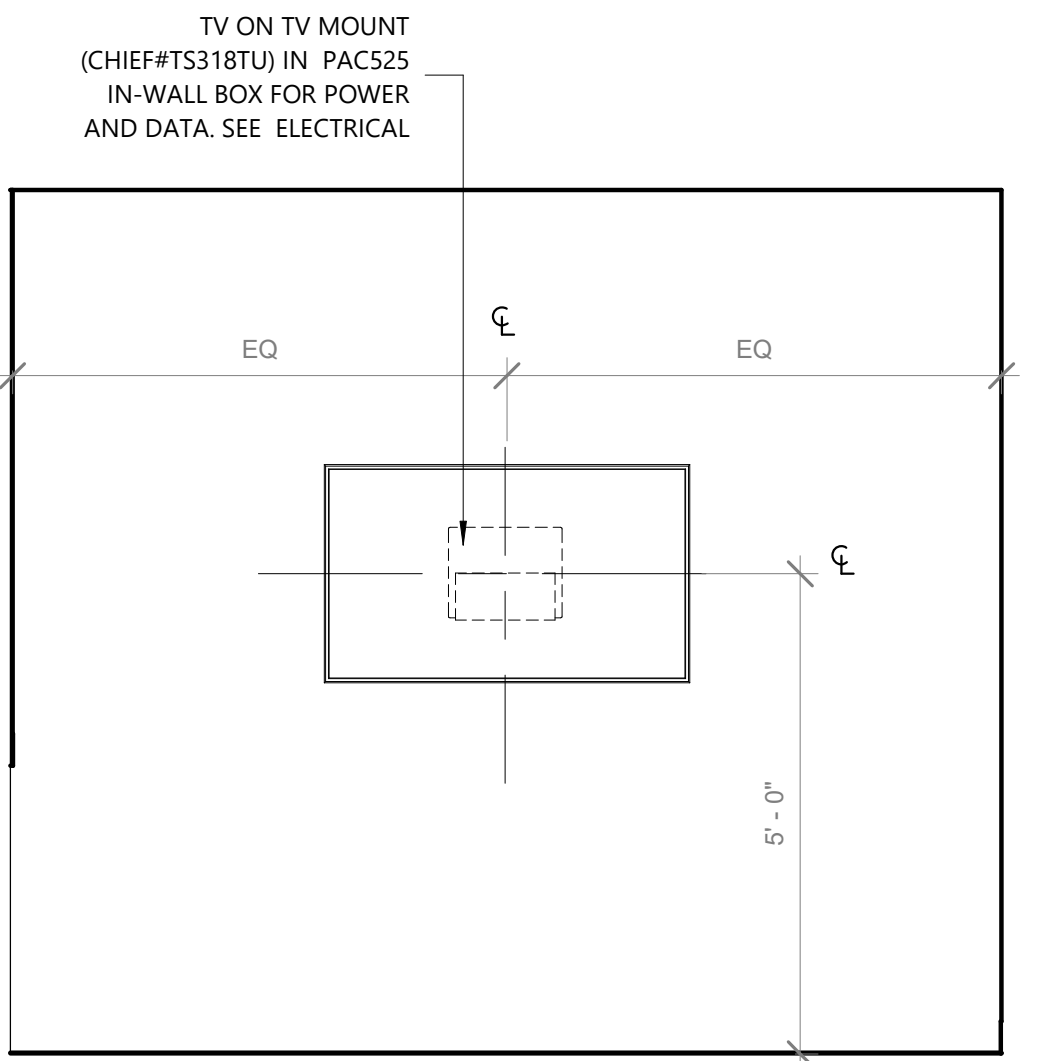
3 ATM 101 - NORTH
A402 1/2" = 1'-0"



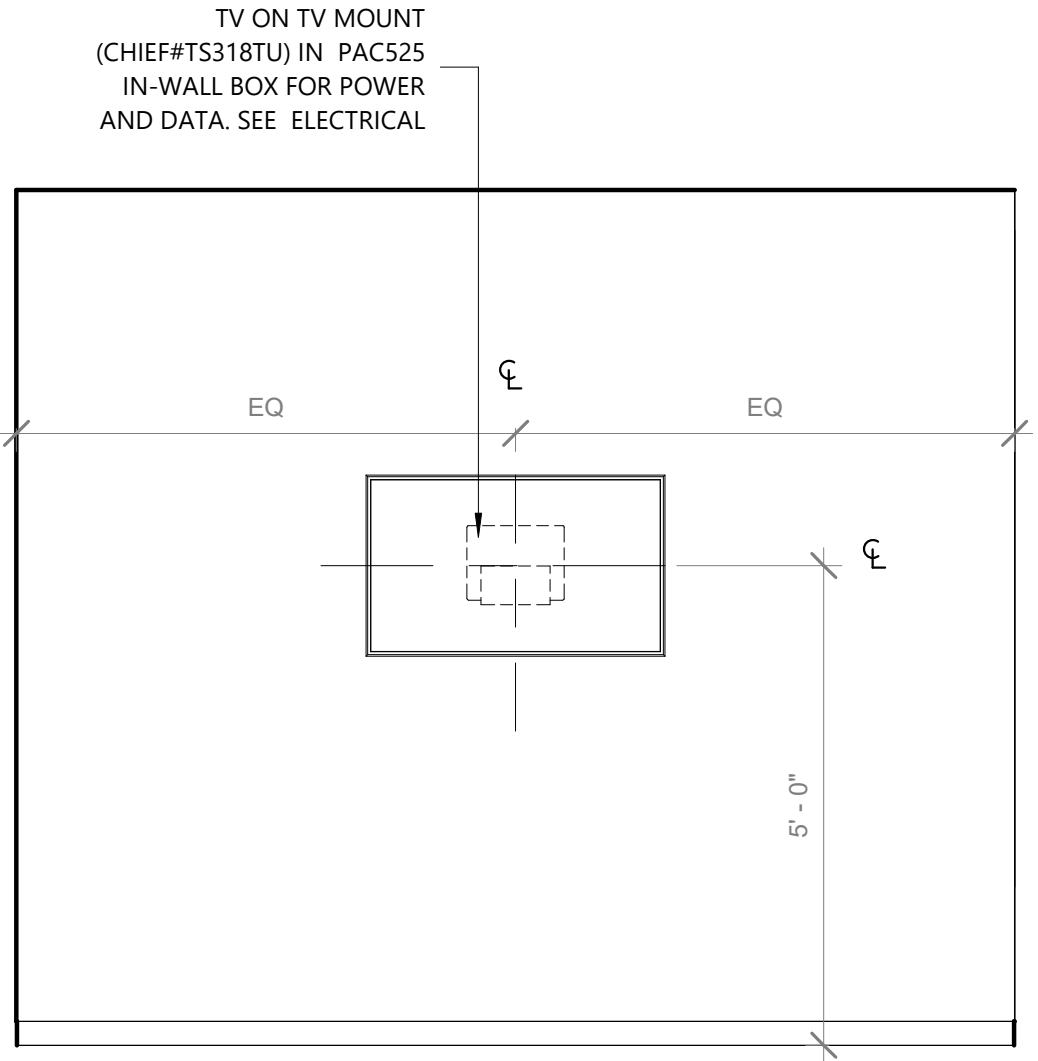
4 GATHERING AREA 105 - WEST
A402 1/2" = 1'-0"



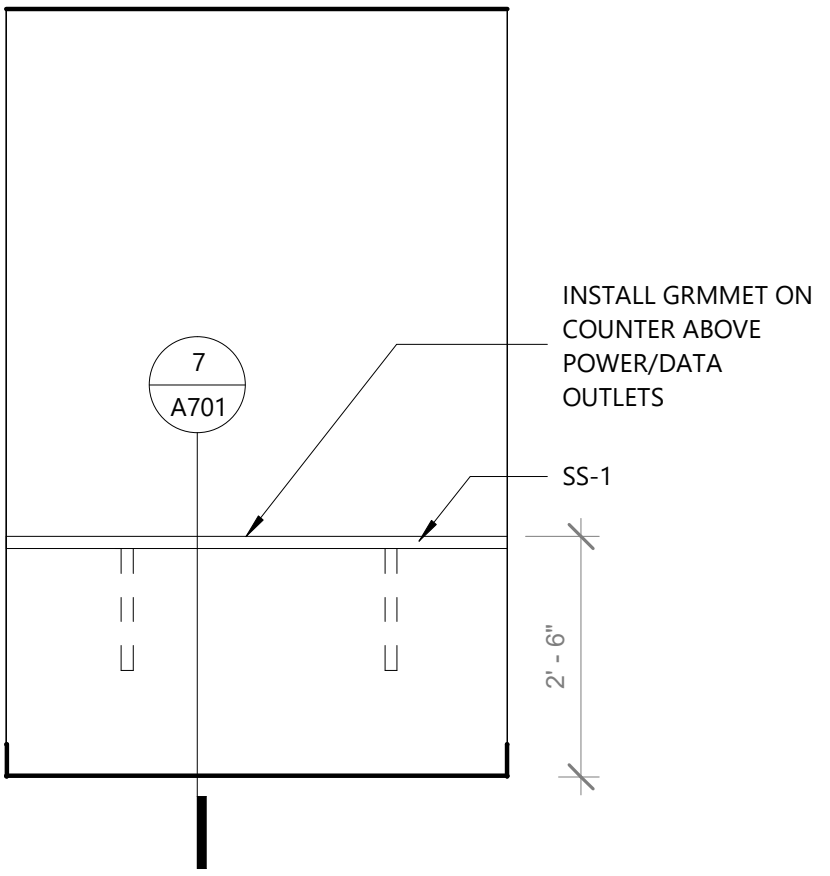
5 HALL 120 - NORTH
A402 1/2" = 1'-0"



6 COLLABORATION 106 - EAST
A402 1/2" = 1'-0"



8 FLEX 109 - NORTH
A402 1/2" = 1'-0"



7 OFFSTAGE 111 - WEST
A402 1/2" = 1'-0"

3/17/2022 11:34:57 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/624-0368-028_PNC MO Lees Summit_A_R22_CENTRAL.rvt

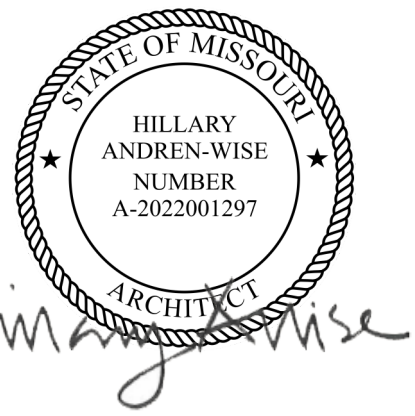


PROJECT TITLE:

**PNC MO LEE'S SUMMIT
GROUND UP BRANCH**

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: CP
DRAWN BY: RUCJ
DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:

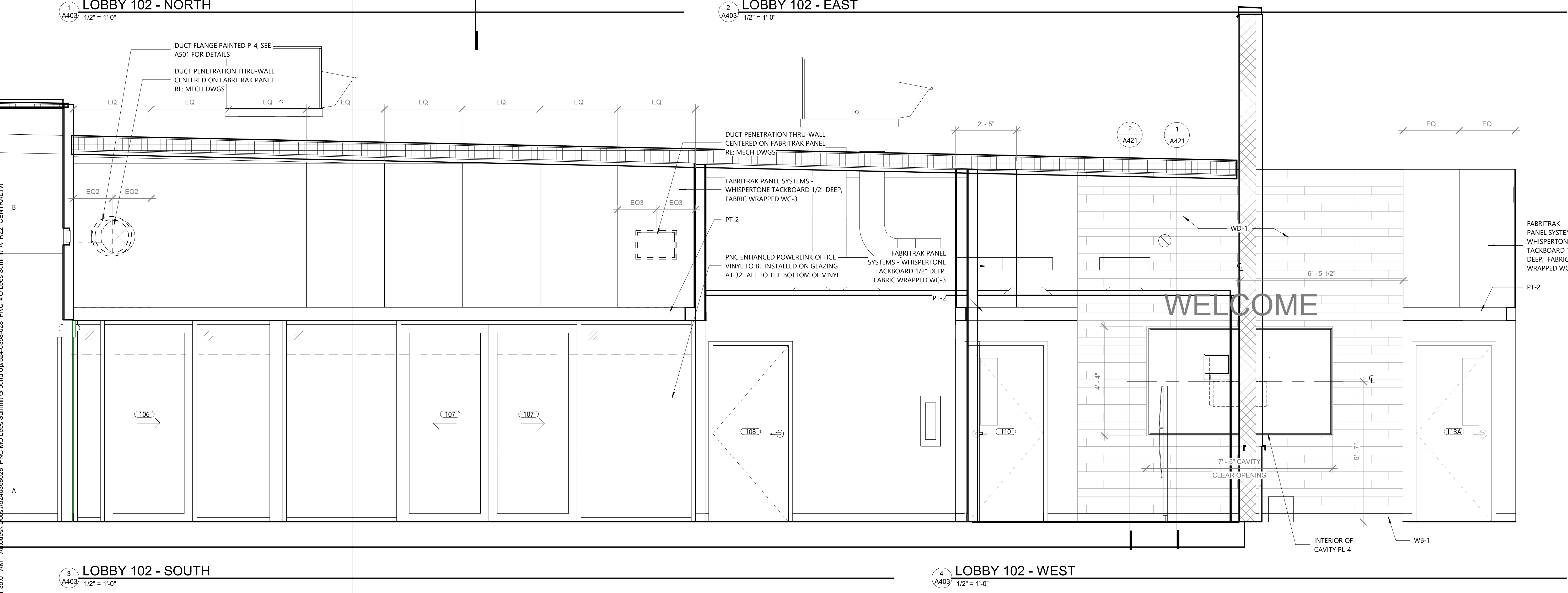
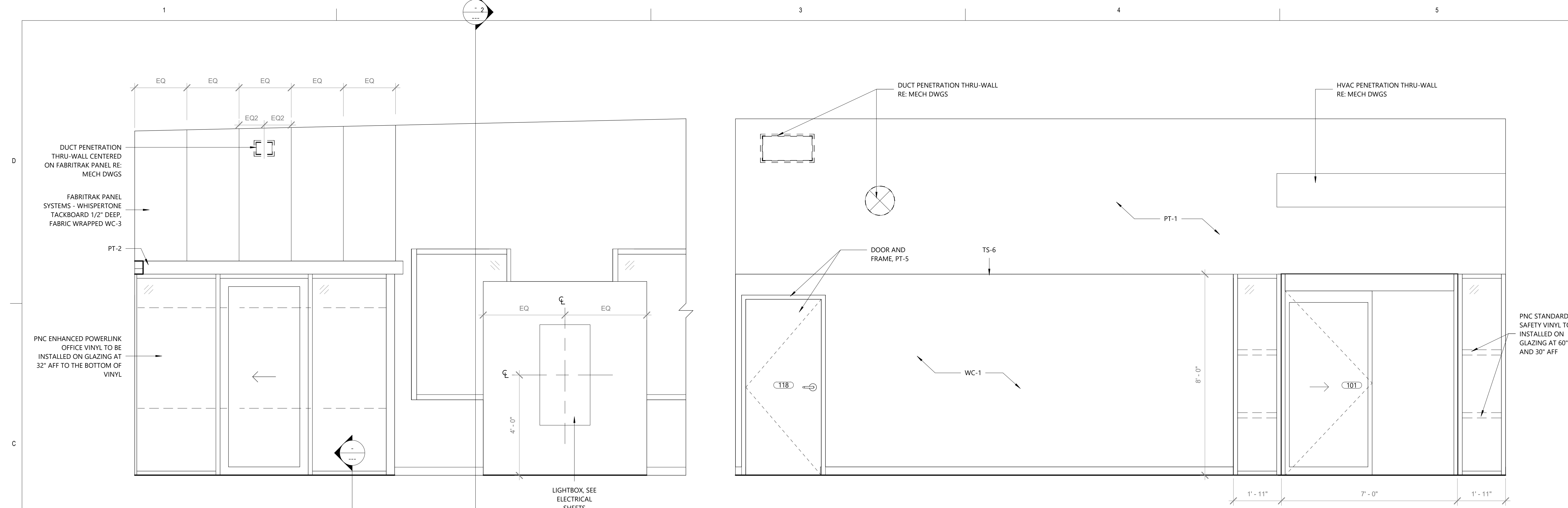
**INTERIOR
ELEVATIONS**

SHEET ID:

A403

PROJECT STATUS:

PERMIT DOCUMENTS



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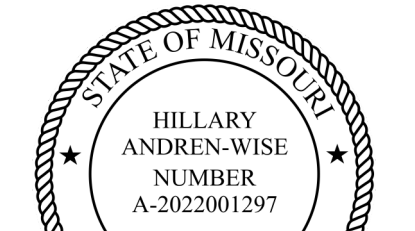


PROJECT TITLE:

**PNC MO LEE'S SUMMIT
GROUND UP BRANCH**

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



Hillary Andren-Wise

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
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PROJECT NUMBER:
524-0368-028
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SHEET TITLE:

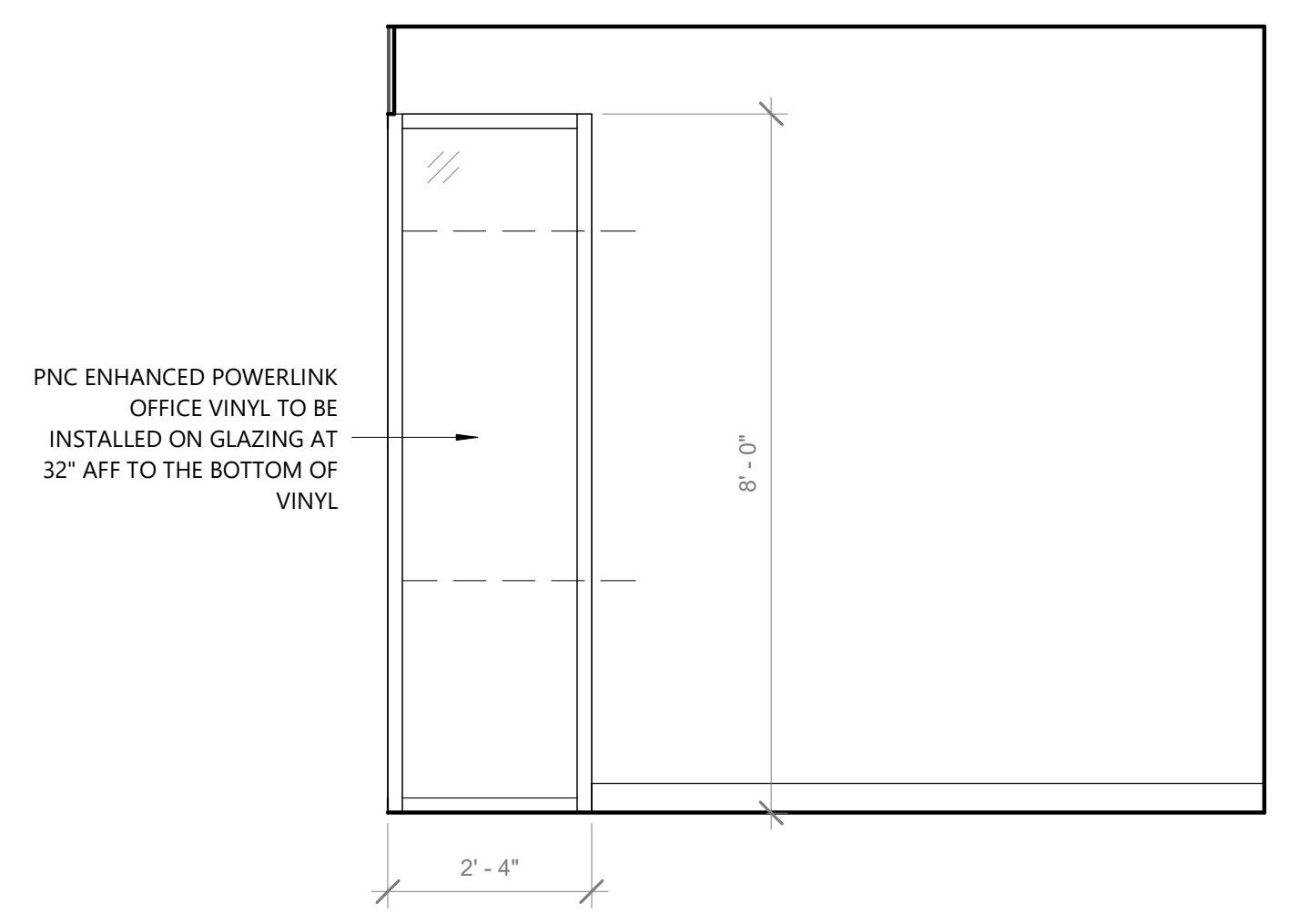
**INTERIOR
ELEVATIONS**

SHEET ID:

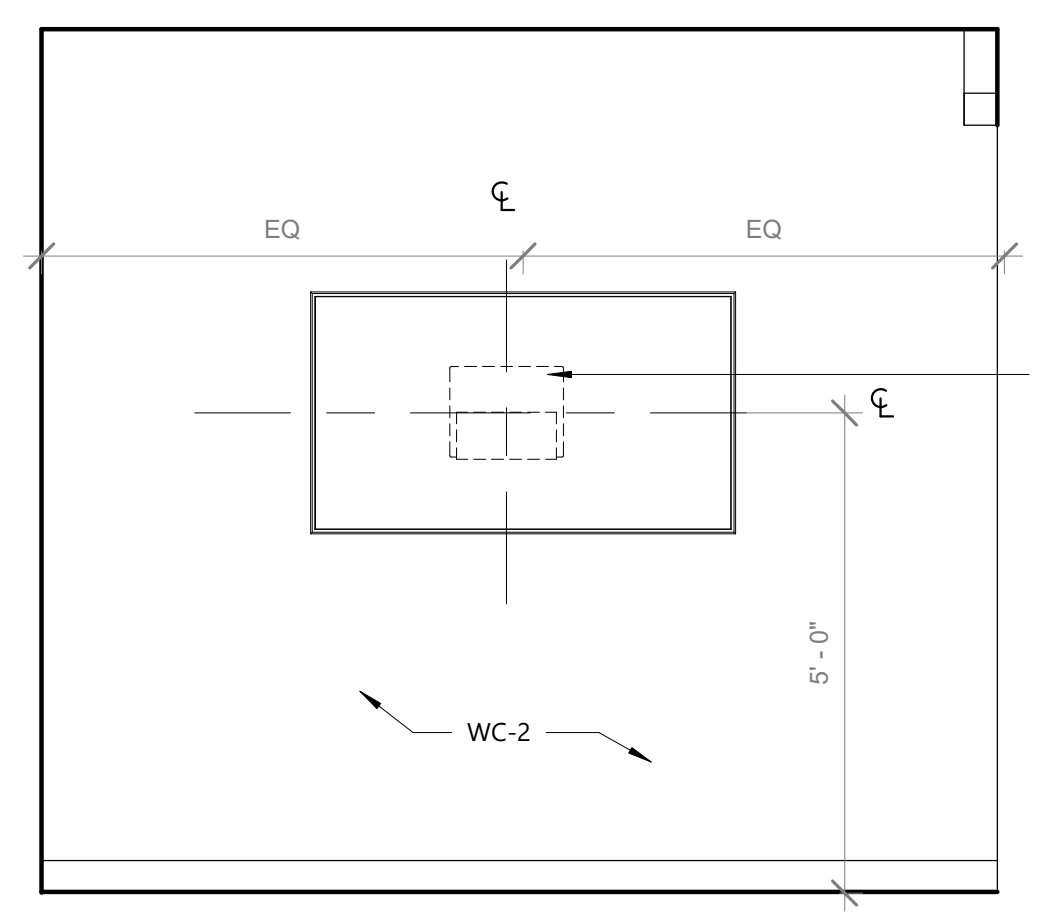
A404

PROJECT STATUS:

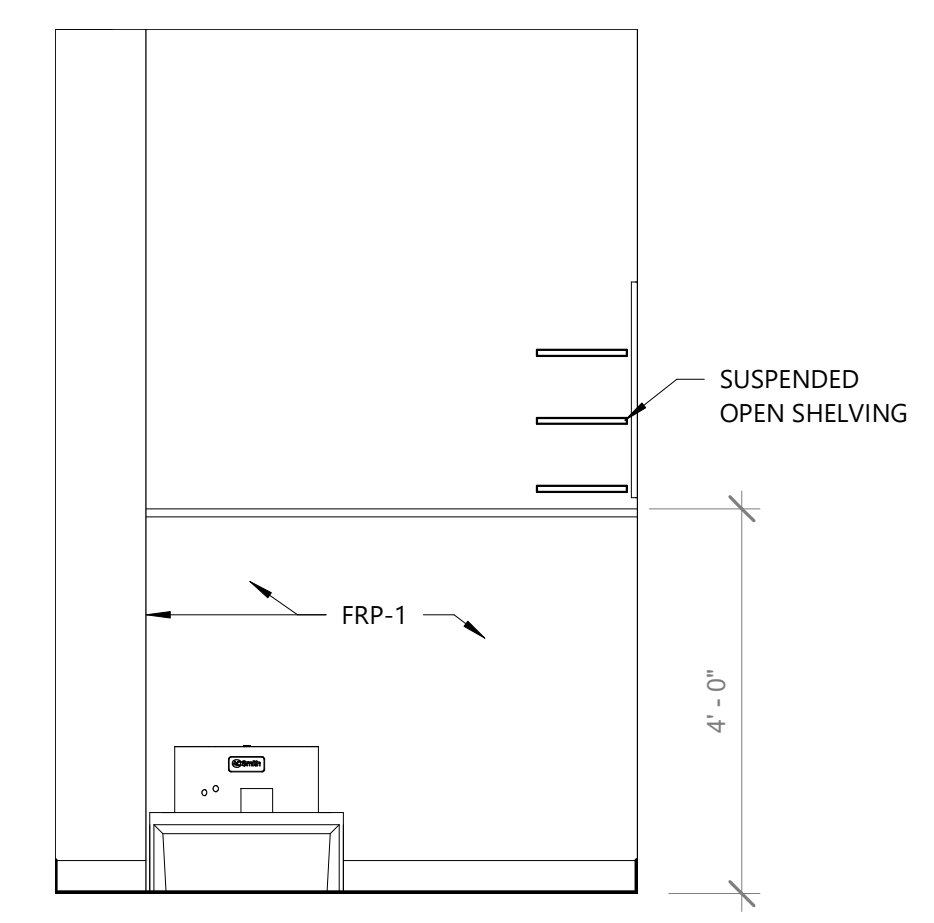
PERMIT DOCUMENTS



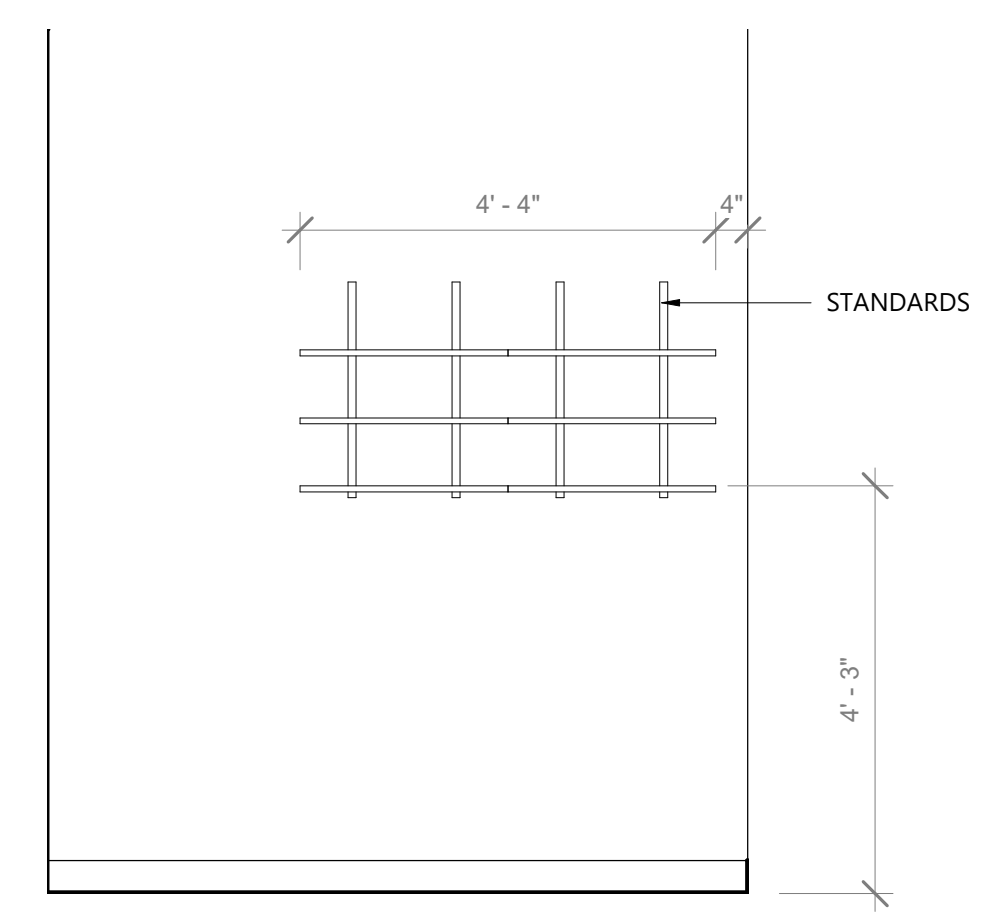
1 CONFERENCE 107 - EAST
A404 1/2" = 1'-0"



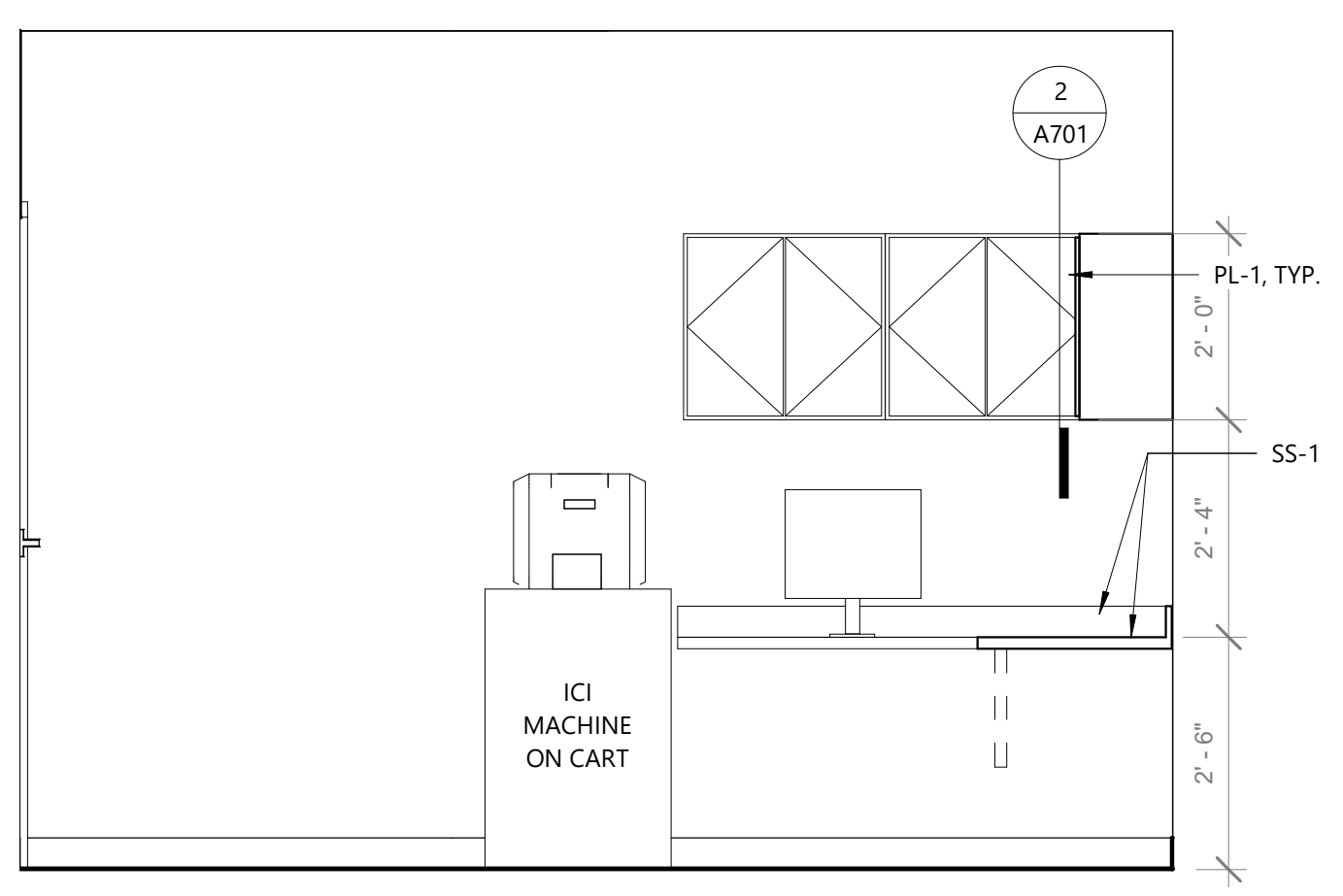
2 CONFERENCE 107 - WEST
A404 1/2" = 1'-0"



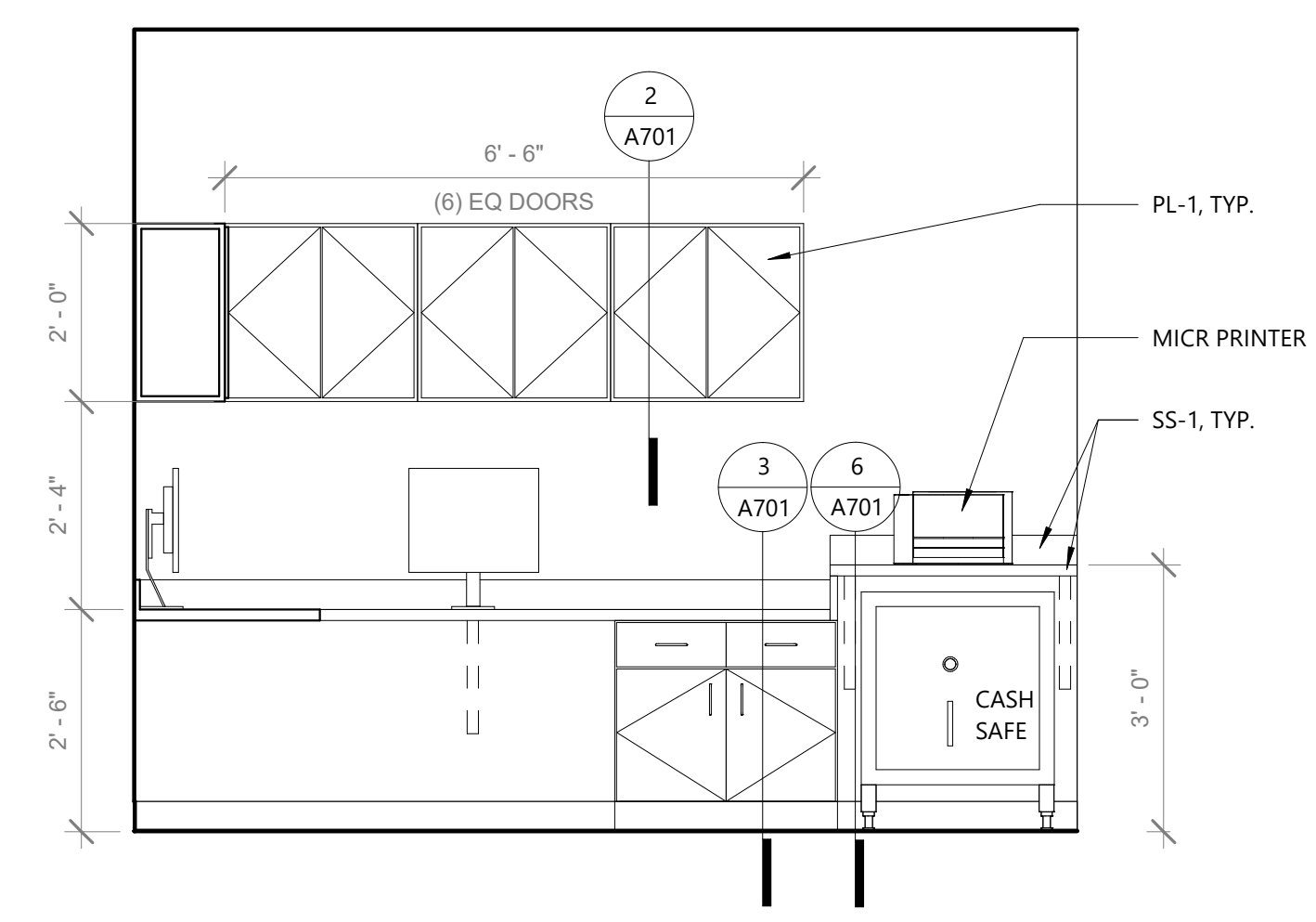
3 JAN 116 - NORTH
A404 1/2" = 1'-0"



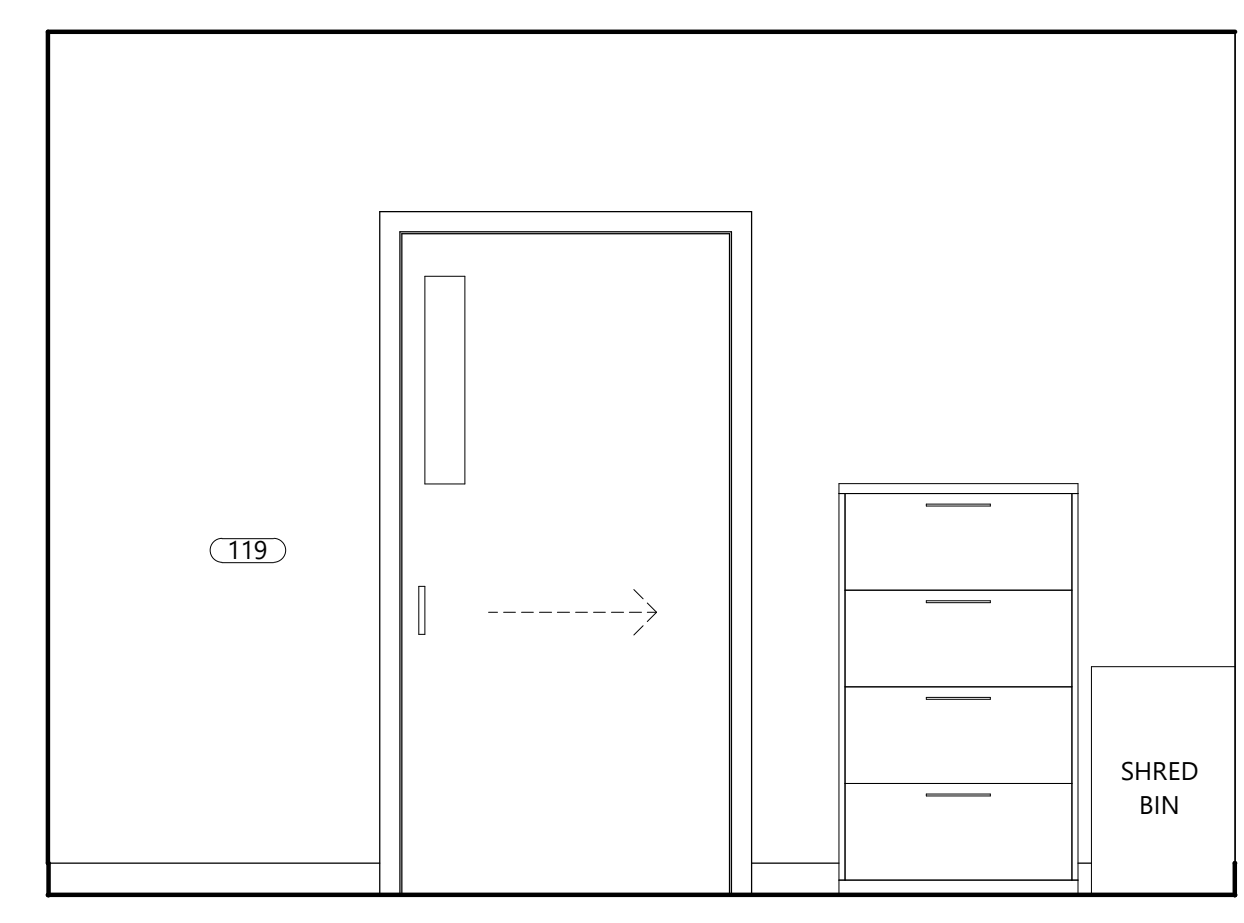
4 JAN 116 - EAST
A404 1/2" = 1'-0"



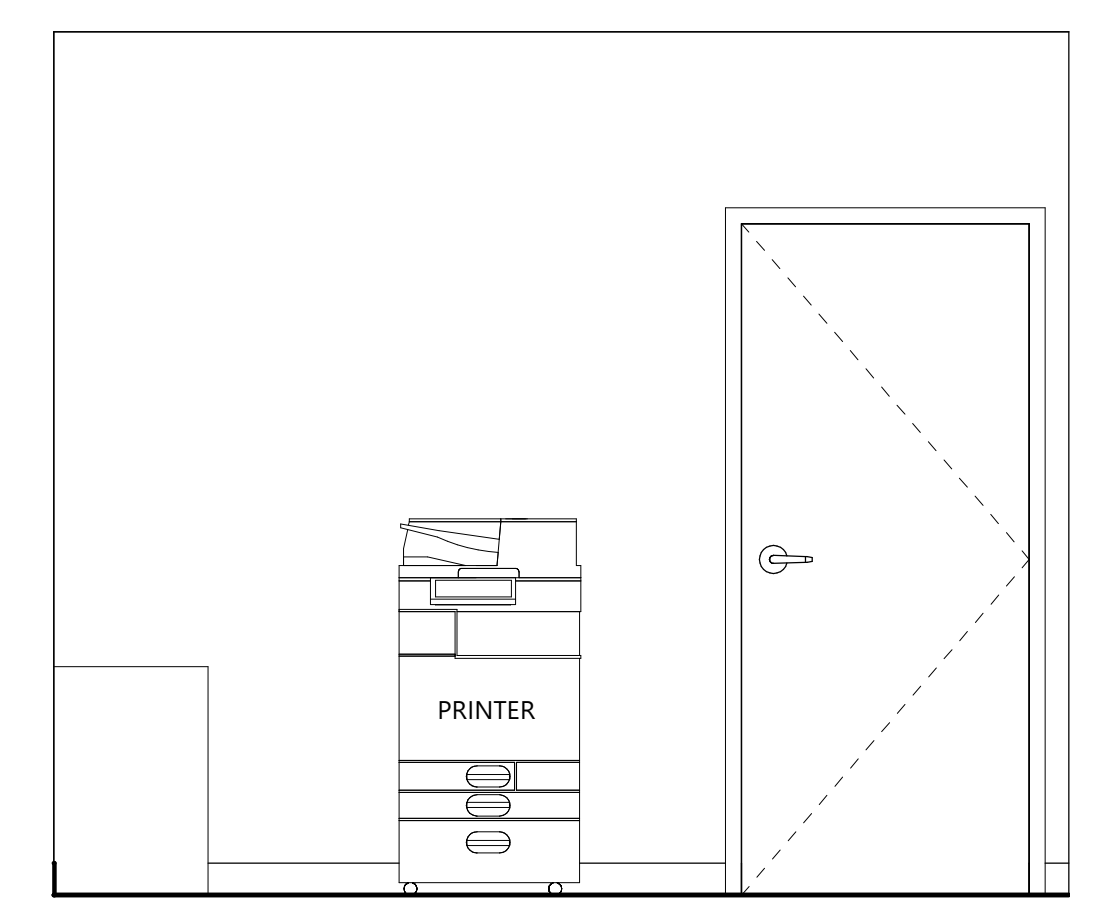
5 WORK ROOM 118 - NORTH
A404 1/2" = 1'-0"



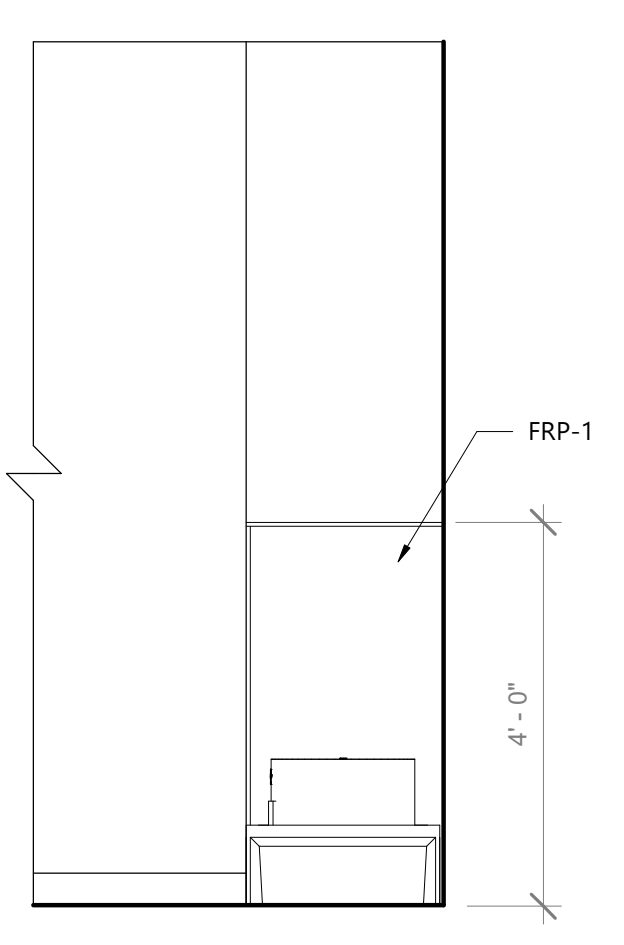
6 WORK ROOM 118 - EAST
A404 1/2" = 1'-0"



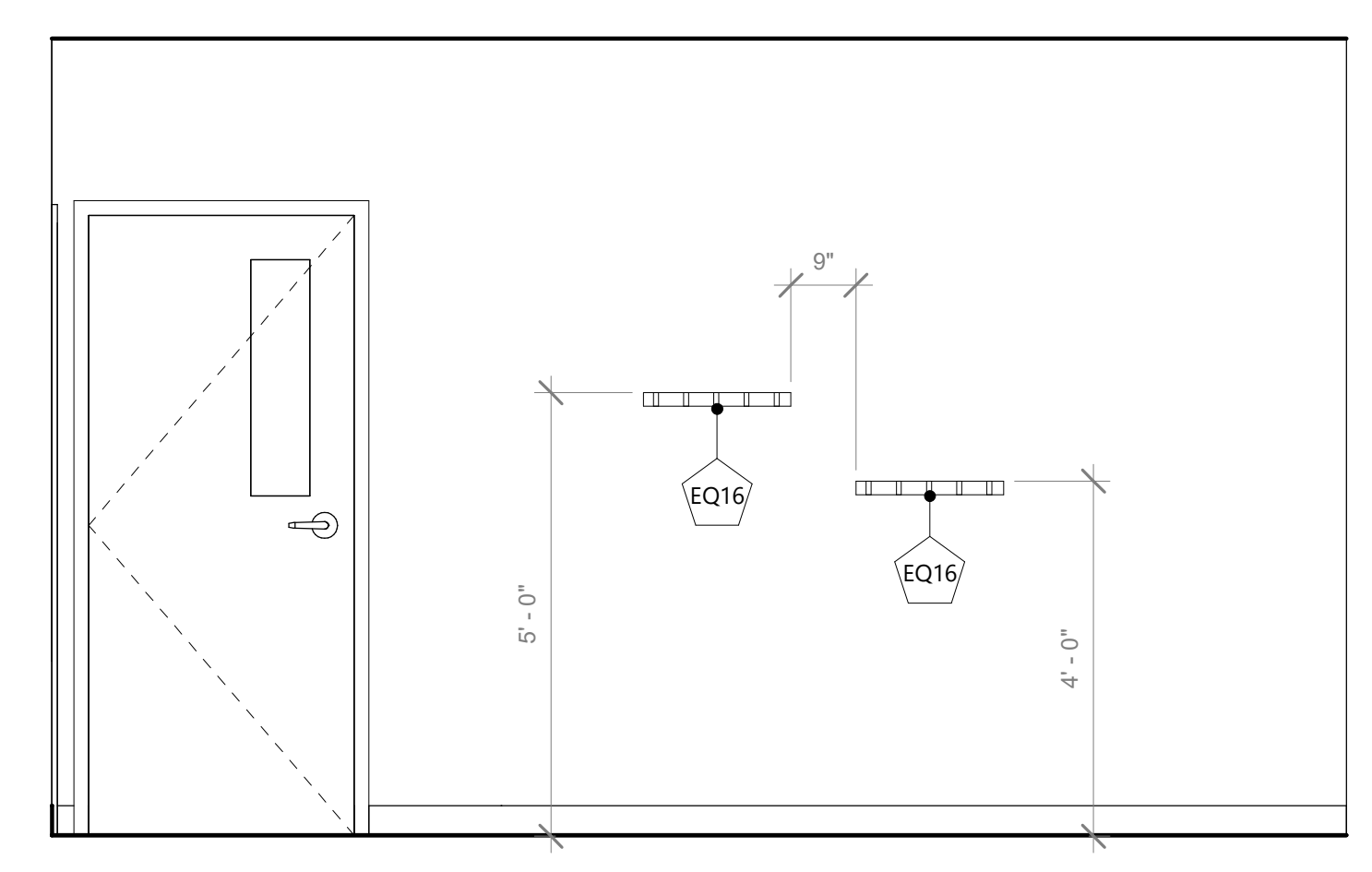
7 WORK ROOM 118 - SOUTH
A404 1/2" = 1'-0"



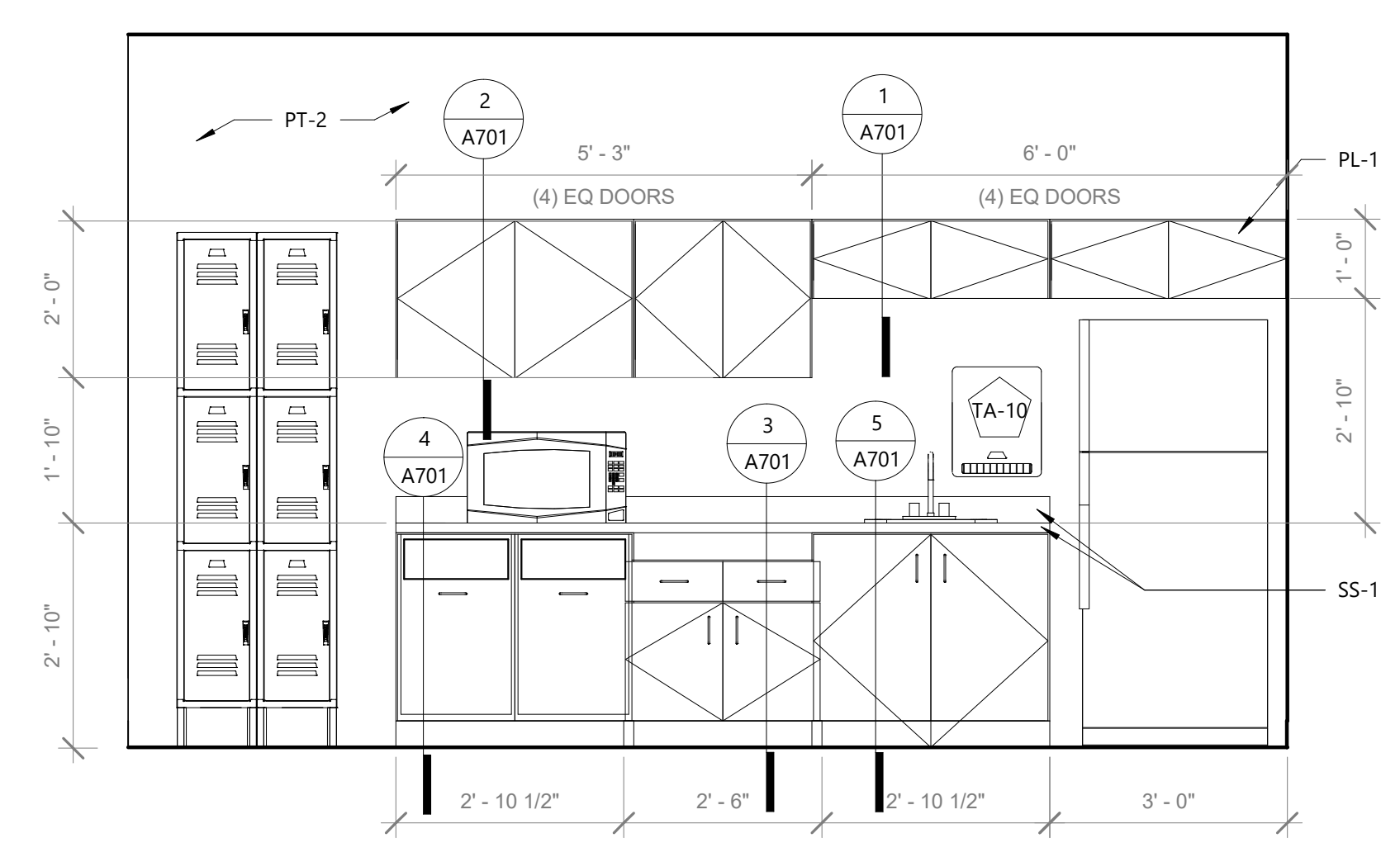
8 WORK ROOM 118 - WEST
A404 1/2" = 1'-0"



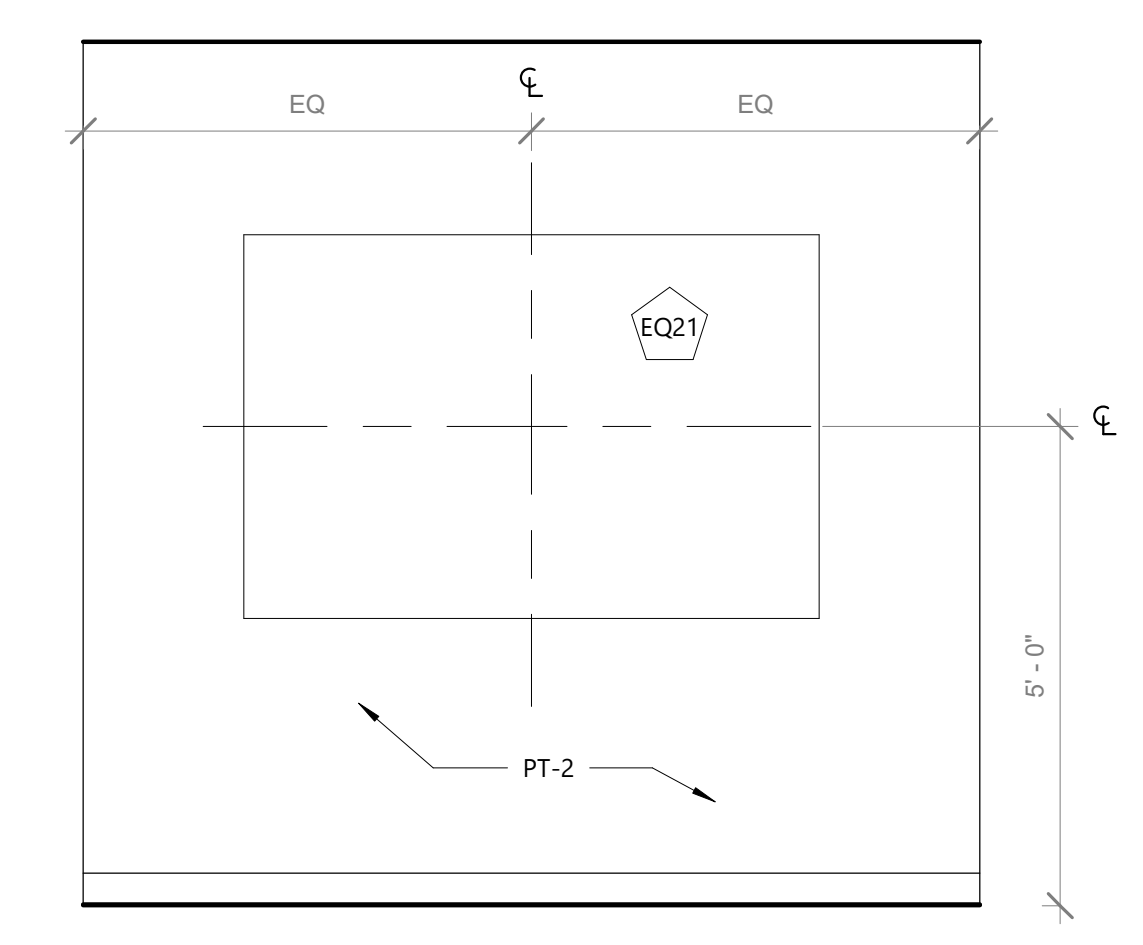
9 JANITOR 116 - WEST
A404 1/2" = 1'-0"



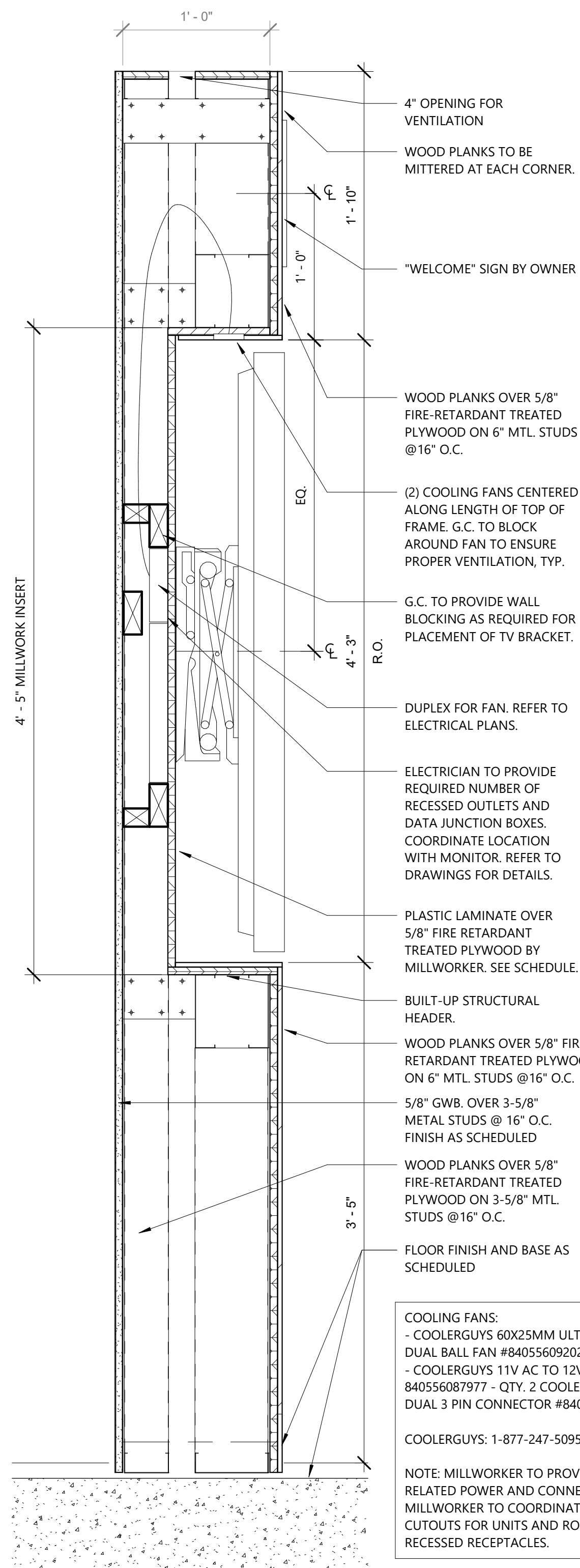
10 BREAK ROOM 110 - EAST
A404 1/2" = 1'-0"



11 BREAK ROOM 110 - WEST
A404 1/2" = 1'-0"



12 BREAKOUT ROOM - WEST
A404 1/2" = 1'-0"

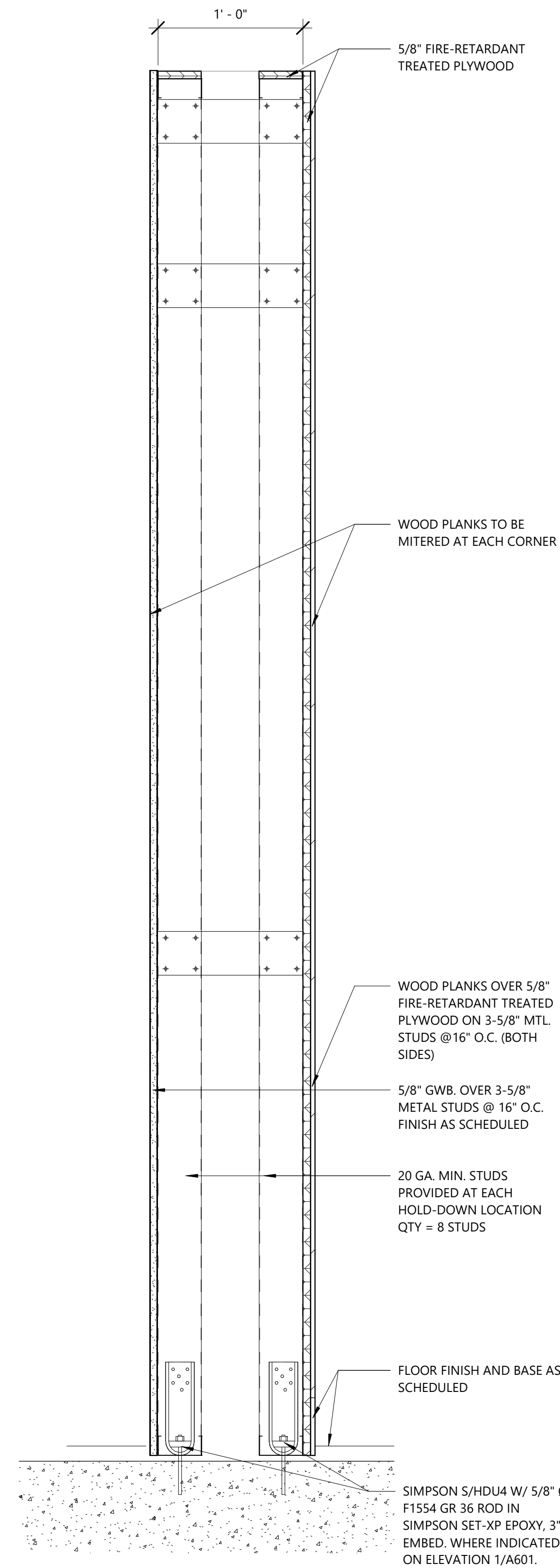


COOLING FANS:
 - COOLERGUYS 60X25MM ULTRA QUIET LOW SPEED DUAL BALL FAN #840556092025 - QTY. 4
 - COOLERGUYS 11V AC TO 12V DC POWER SUPPLY #840556087977 - QTY. 2
 - COOLERGUYS MINI 4 PINTO DUAL 3 PIN CONNECTOR #840556093923 - QTY. 2

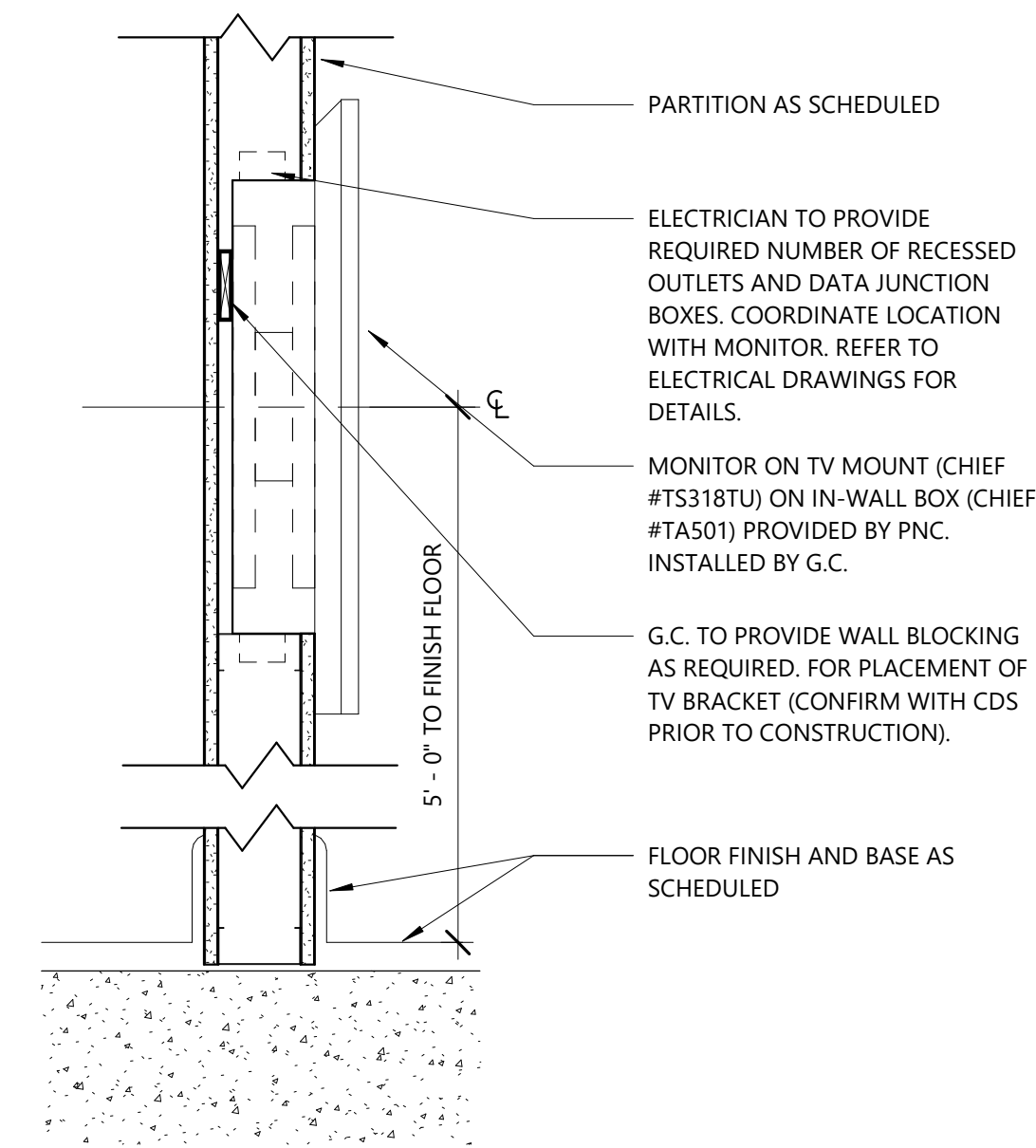
COOLERGUYS: 1-877-247-5095

NOTE: MILLWORKER TO PROVIDE FANS AND ALL RELATED POWER AND CONNECTION ITEMS. MILLWORKER TO COORDINATE ALL REQUIRED CUTOUTS FOR UNITS AND ROUTING OF POWER TO RECESSED RECEPTACLES.

1
A421
WOOD WALL SECTION AT MILLWORK INSERT
1 1/2" = 1'-0"



2
A421
WOOD WALL SECTION
1 1/2" = 1'-0"



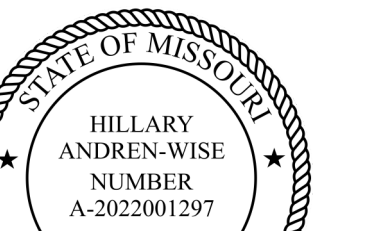
4
A421
SECTION AT WALL MOUNTED TV
1 1/2" = 1'-0"

PROJECT TITLE:

PNC MO LEE'S SUMMIT
 GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO
 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
 REVIEWED BY: SLC
 DRAWN BY: PAF
 DESIGNED BY: RS&H
 PROJECT NUMBER:

524-0368-028
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SHEET TITLE:

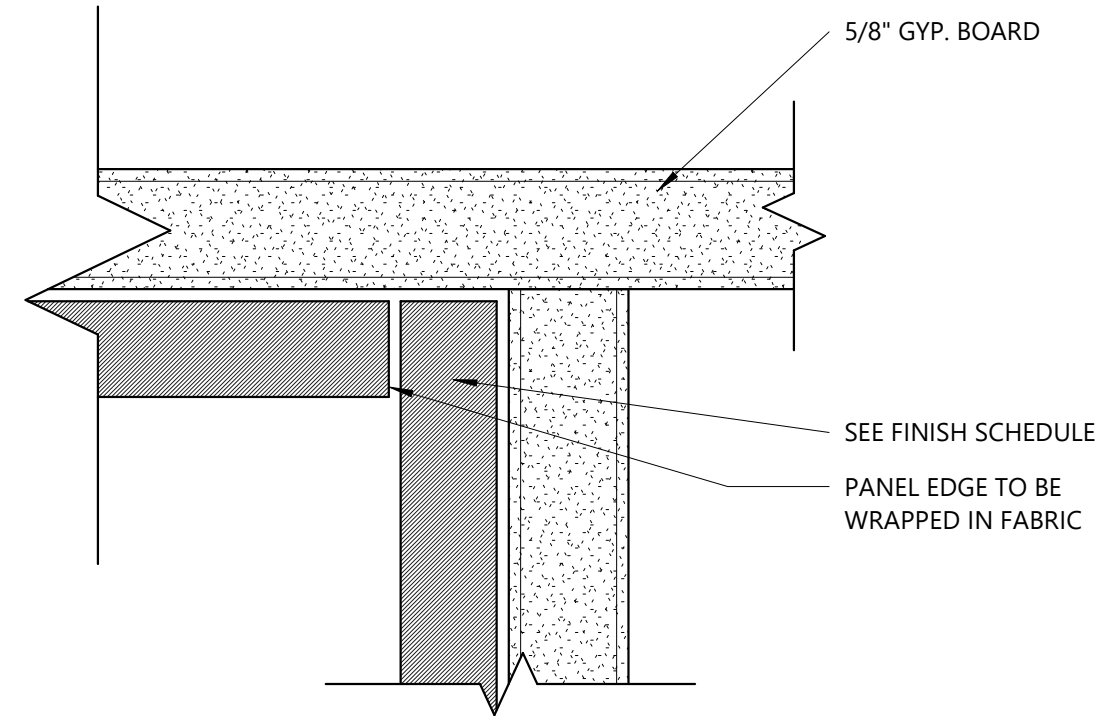
INTERIOR MEDIA WALL
 SECTIONS

SHEET ID:

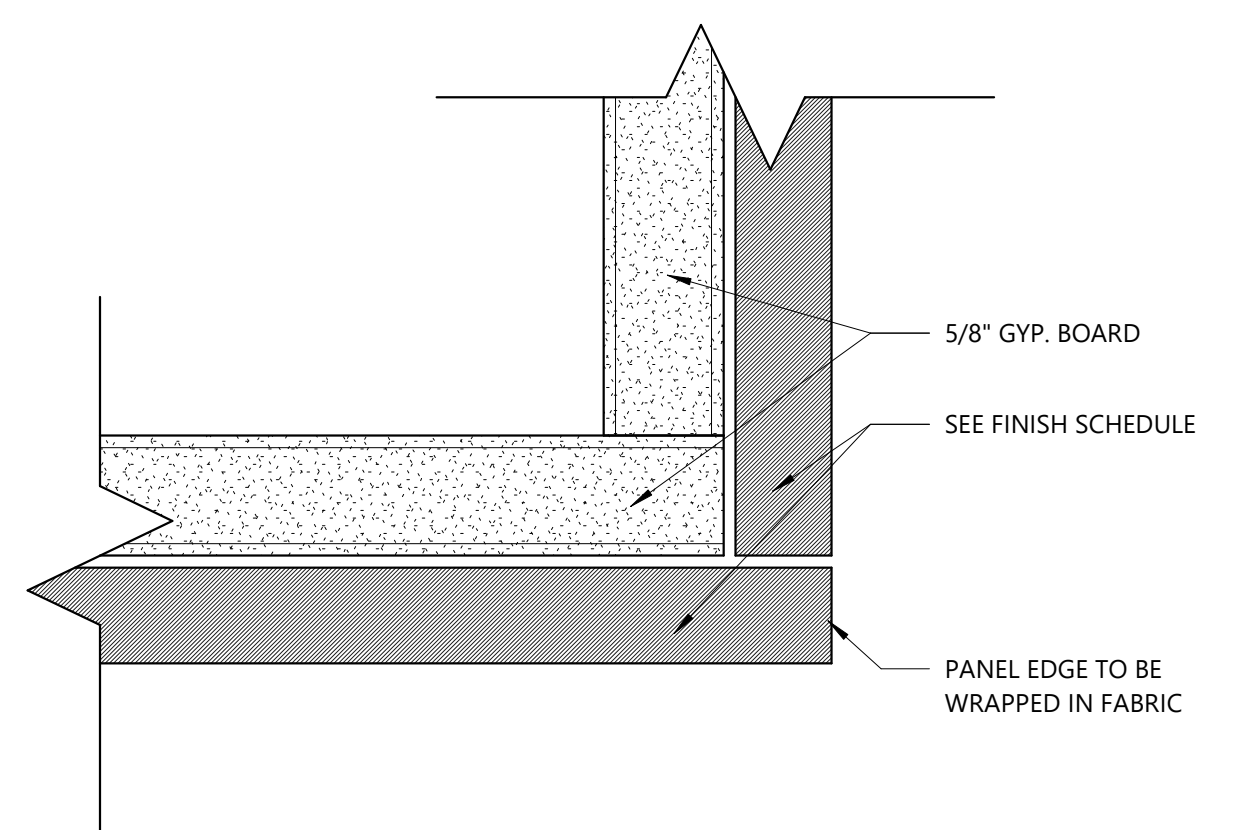
A421

PROJECT STATUS:

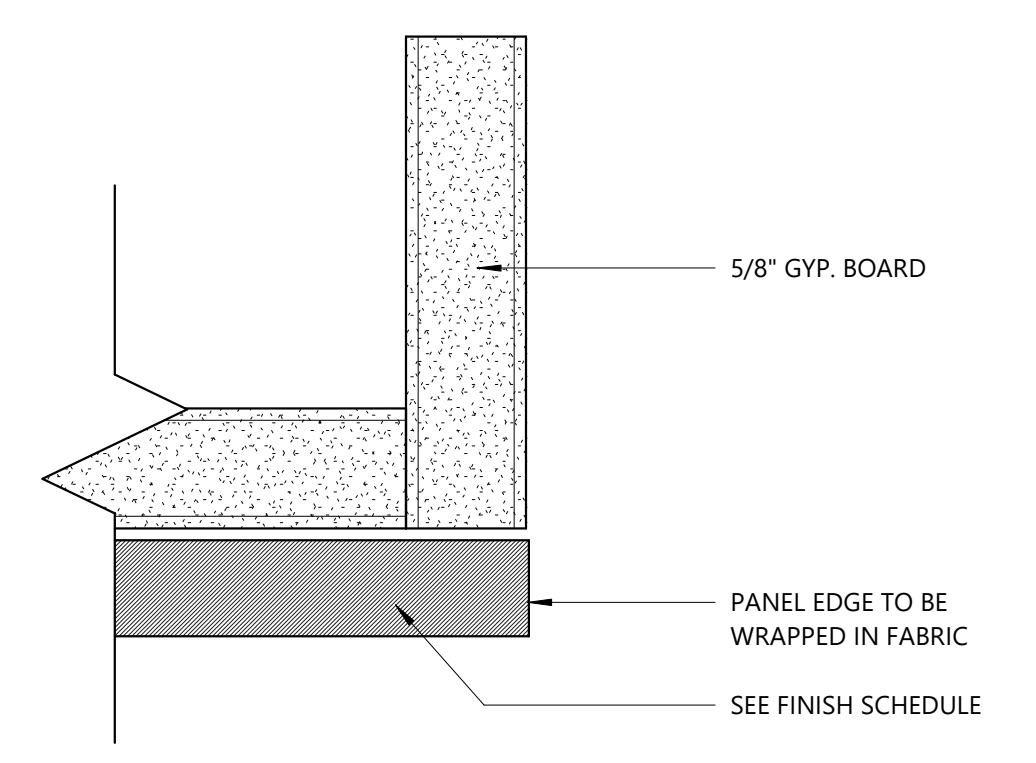
PERMIT DOCUMENTS



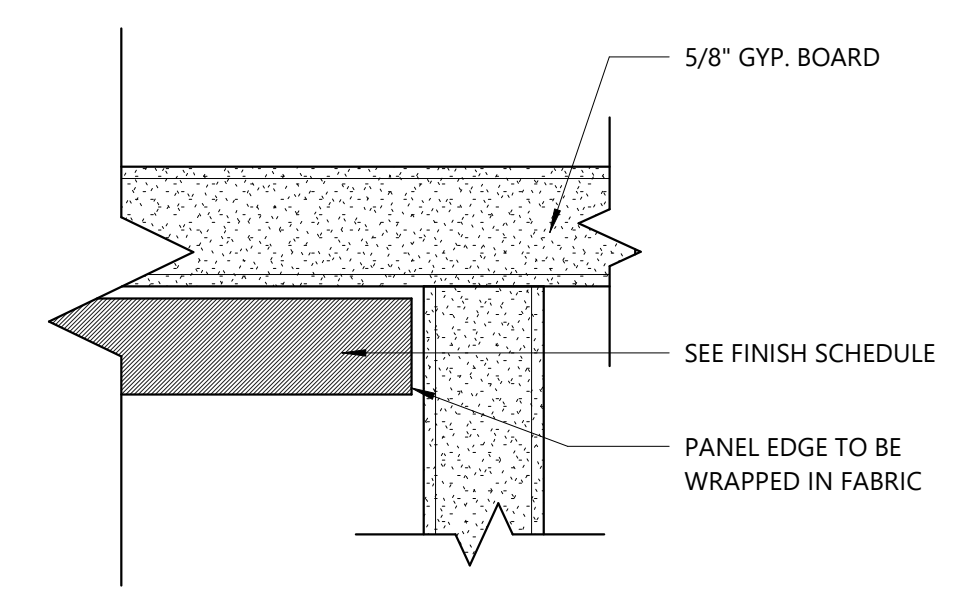
1 FABRIC WRAPPED PANELS @ CORNER
12" = 1'-0"



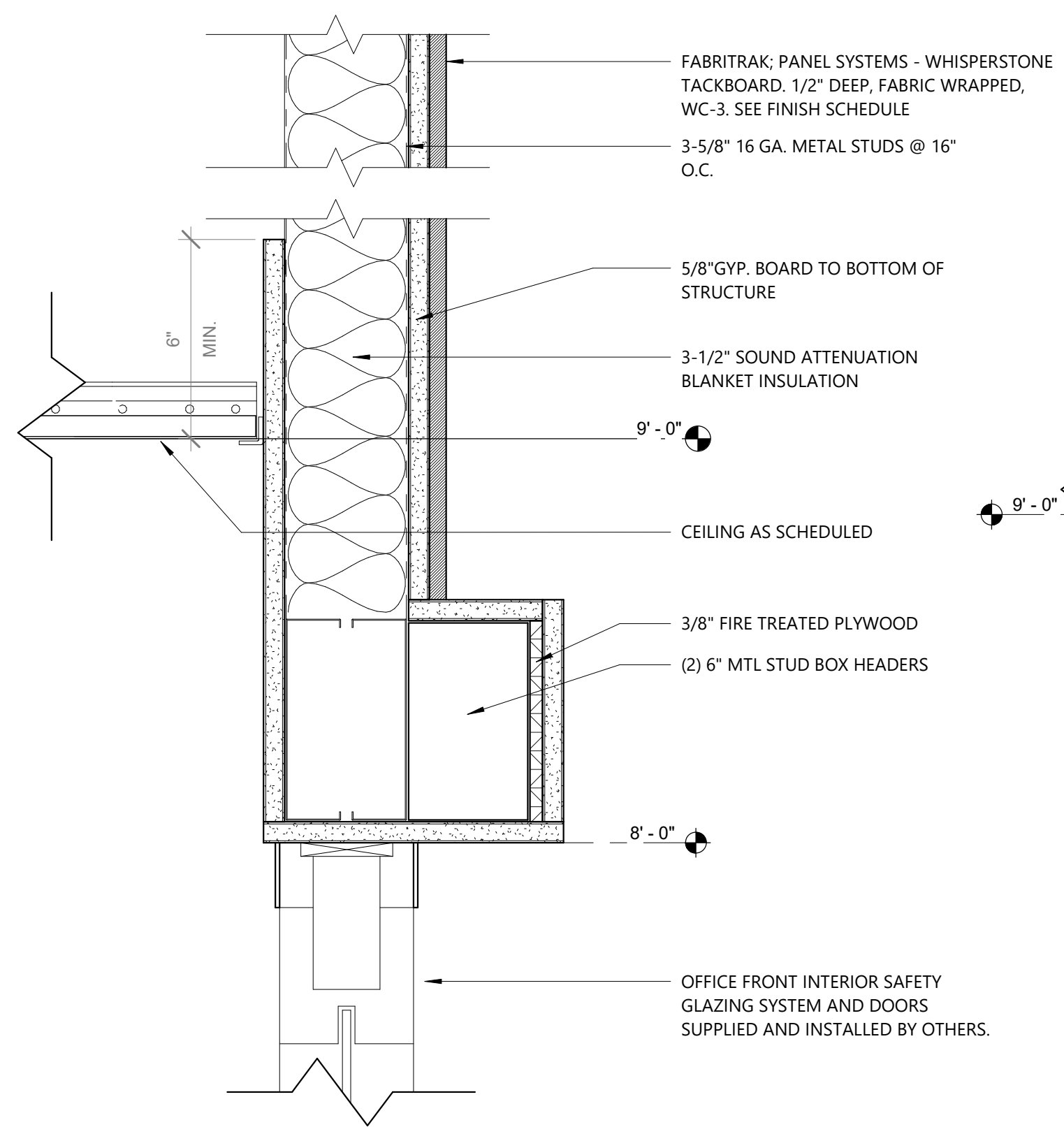
2 FABRIC WRAPPED PANELS CORNER DETAIL
12" = 1'-0"



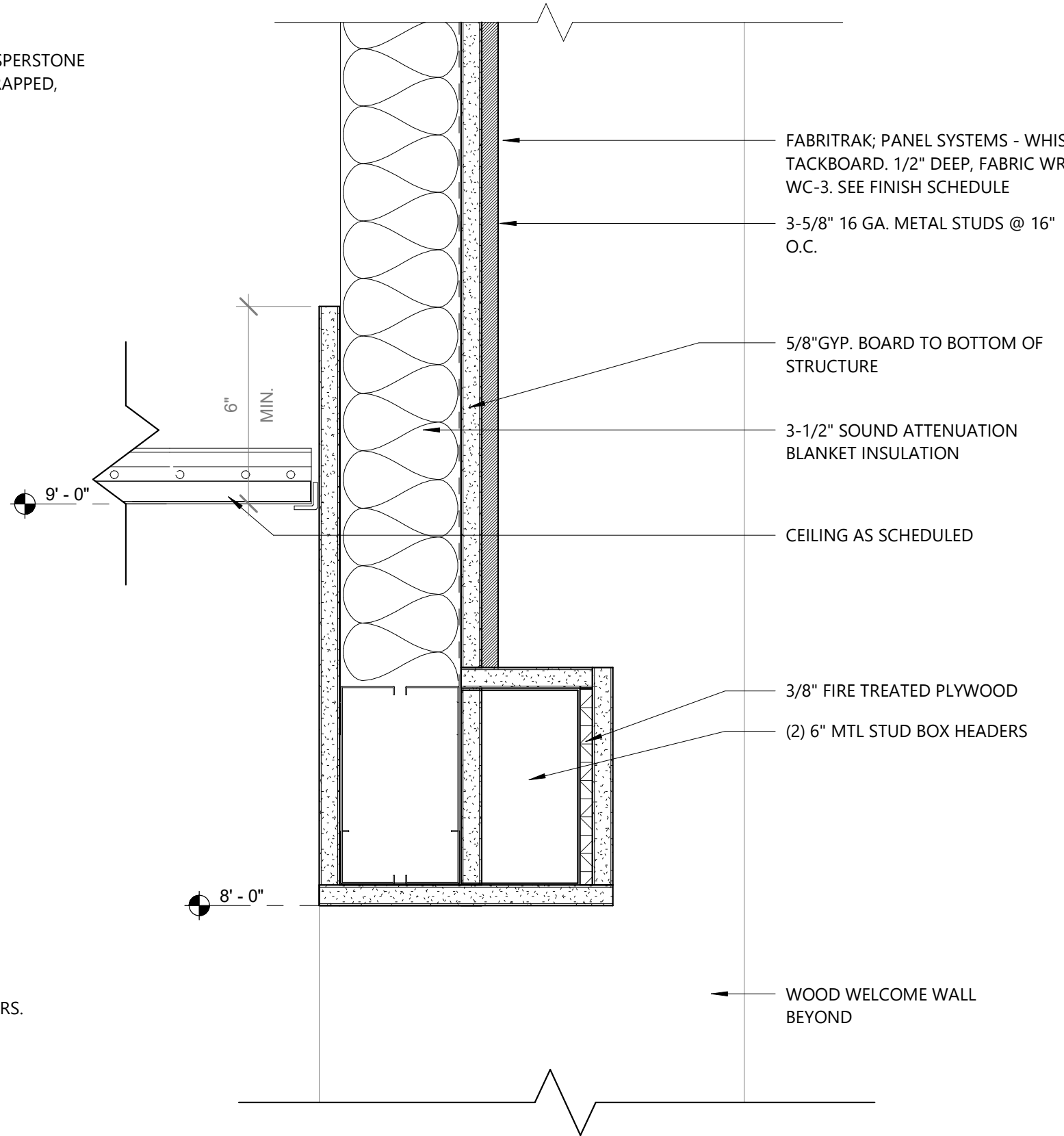
3 FABRIC WRAPPED PANELS EDGE DETAIL
12" = 1'-0"



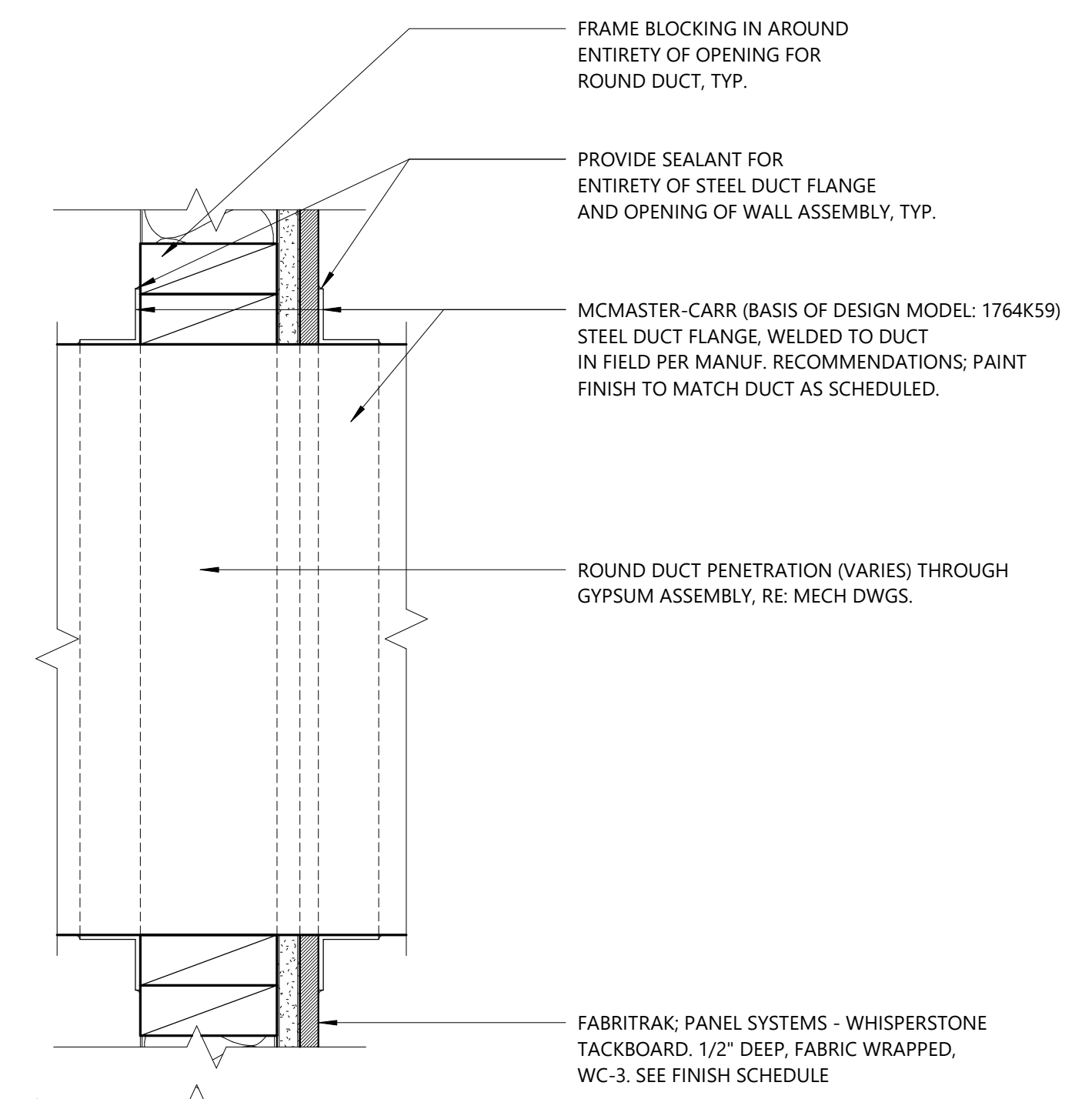
4 FABRIC WRAPPED PANELS END DETAIL
12" = 1'-0"



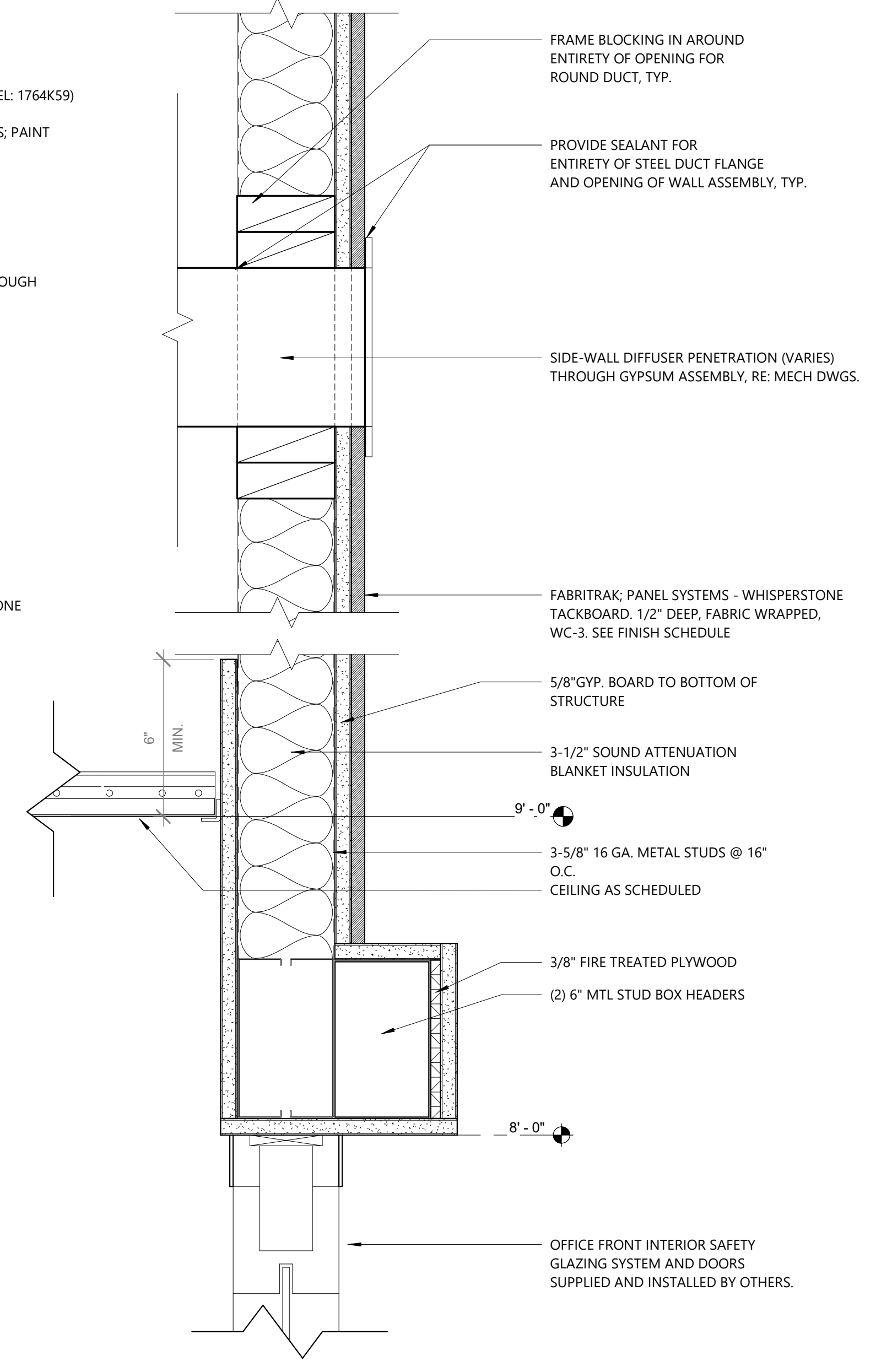
5 EYEBROW DETAIL
3" = 1'-0"



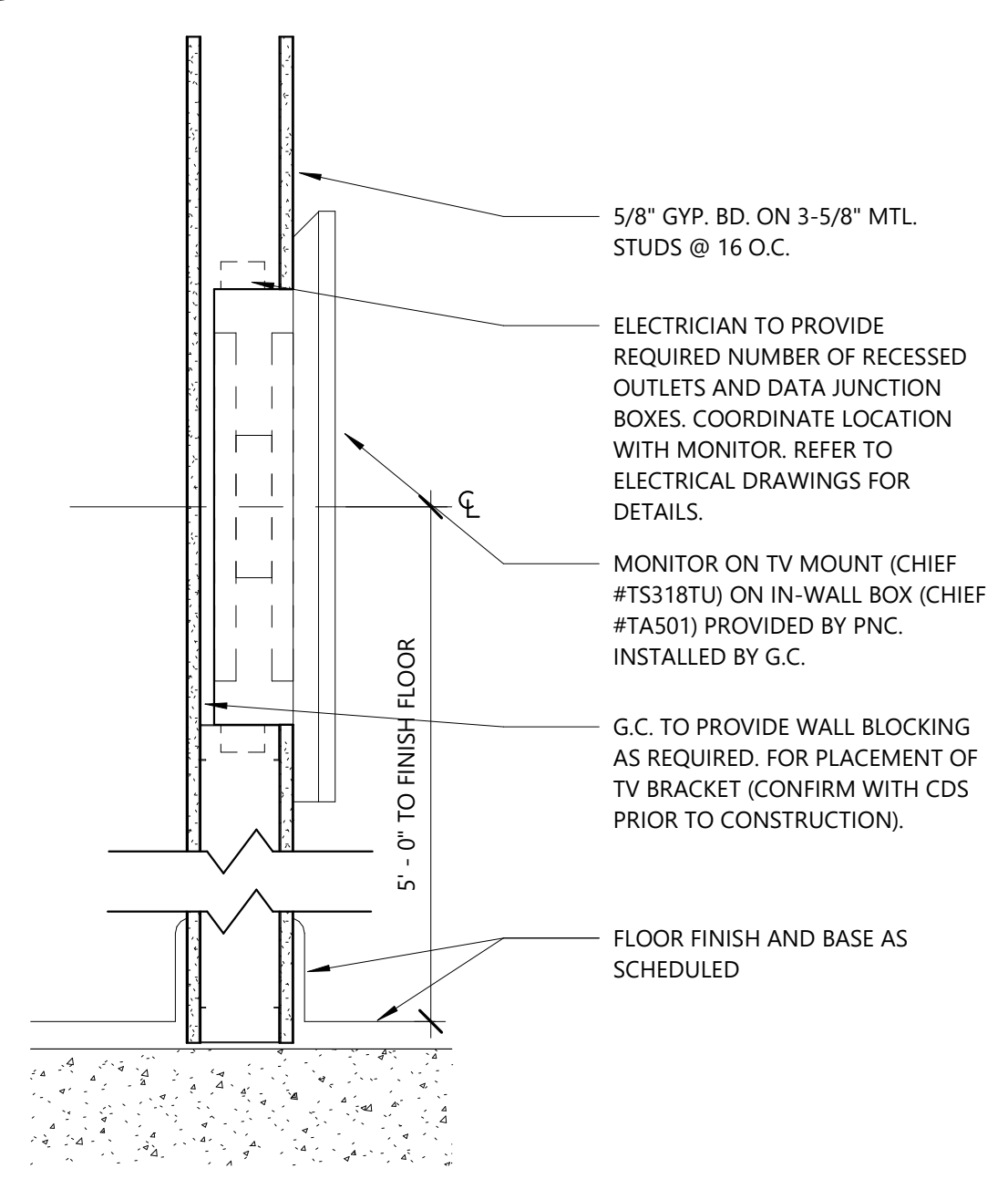
6 ACT-GYP. BULKHEAD CEILING DETAIL
3" = 1'-0"



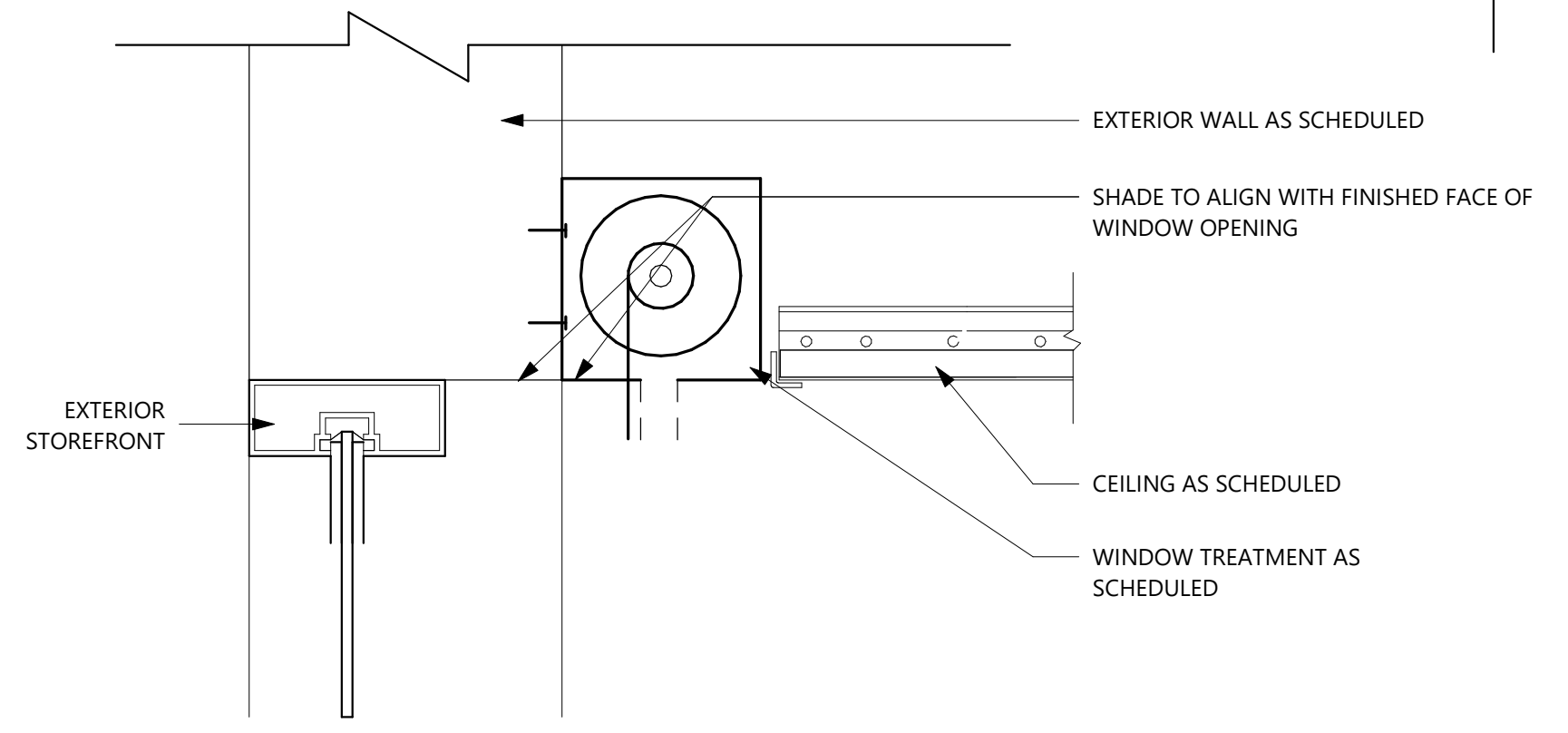
9 EYEBROW DETAIL
3" = 1'-0"



10 EYEBROW DETAIL
3" = 1'-0"



7 SECTION AT WALL MOUNTED TV
1 1/2" = 1'-0"



8 WINDOW SOFFIT DETAIL
3" = 1'-0"

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
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DRAWN BY: PAF
DESIGNED BY: RS&H

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
INTERIOR DETAILS

SHEET ID:
A501

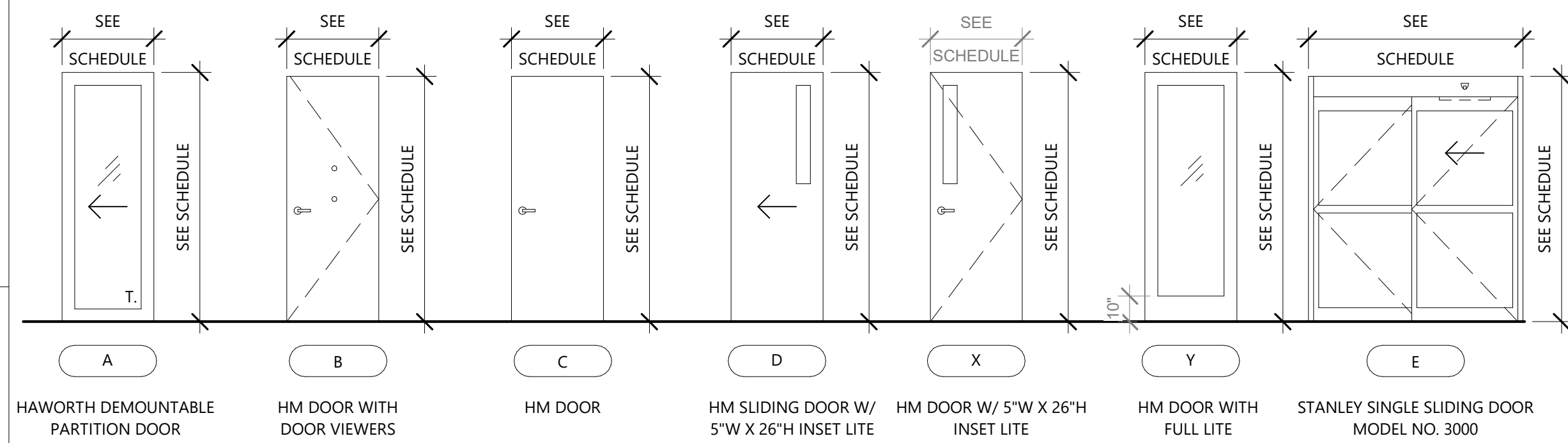
PROJECT STATUS:
PERMIT DOCUMENTS

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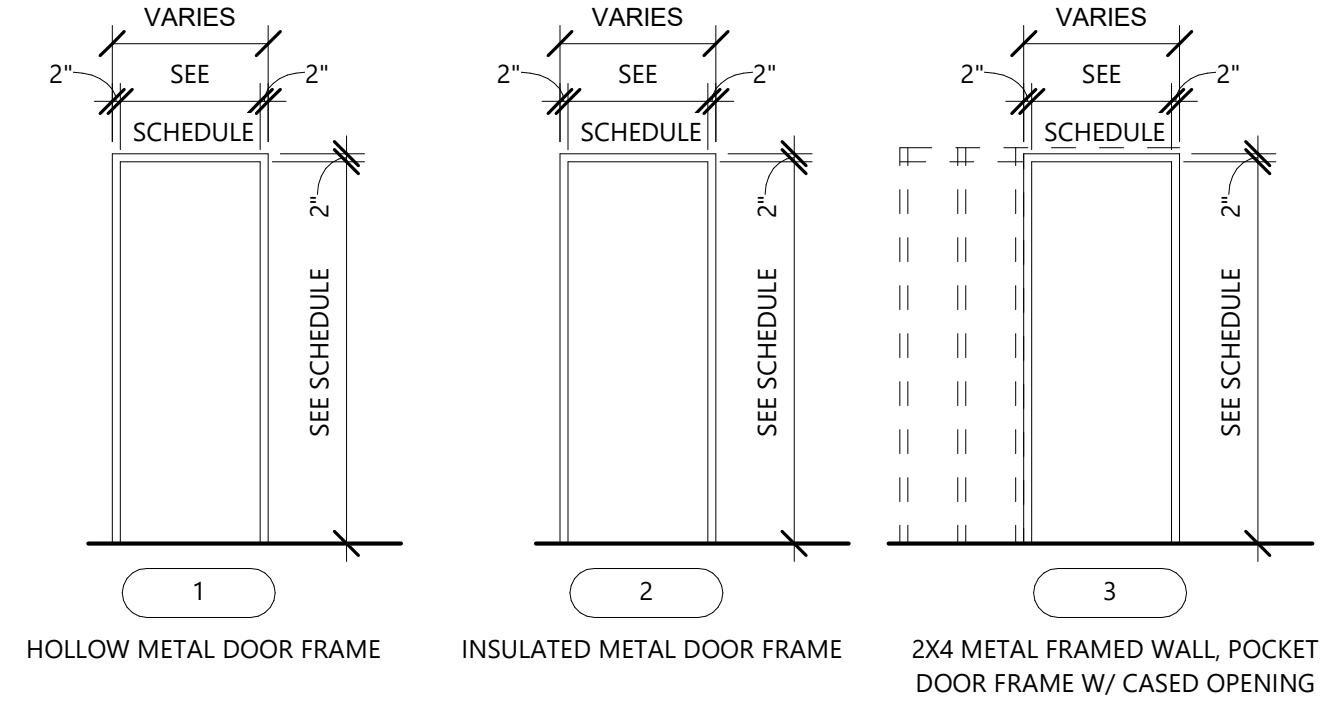
DOOR AND FRAME SCHEDULE

DOOR SCHEDULE														
DOOR NO.	FROM ROOM	TO ROOM	DOOR			DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	FRAME			HARDWARE	COMMENTS
			SIZE							HEAD	JAMB	SILL		
			WIDTH	HEIGHT	THICKNESS									
100A		ATM	6' - 8 1/2"	7' - 4"	1 3/4"	E	ALUM/GLASS	-	ALUM	6/A601	7/A601	-	BY OTHERS	-
100B	ATM	ATM	6' - 8 1/2"	7' - 4"	1 3/4"	E	ALUM/GLASS	-	ALUM	6/A601	7/A601	-	BY OTHERS	-
101	ATM	CHAT LOUNGE	6' - 8 1/2"	7' - 4"	1 3/4"	E	ALUM/GLASS	-	aluminum	6/A601	7/A601	-	BY OTHERS	NO SADDLE THRESHOLD REQUIRED
106	CHAT LOUNGE	COLLABORATION	3' - 6"	7' - 10"	1 3/4"	A	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	SEE NOTE 'A'
107	CHAT LOUNGE	CONFERENCE	3' - 6"	7' - 10"	1 3/4"	A	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	SEE NOTE 'A'
108	BREAKOUT ROOM	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	B	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	6	-
109	FLEX	CORRIDOR	3' - 6"	7' - 10"	1 3/4"	A	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	SEE NOTE 'A'
110	BREAK ROOM	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	AA	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	3	SEE NOTE 'C', PROVIDE FROSTED GLAZING
111	BREAK ROOM	OFFSTAGE	3' - 6"	7' - 0"	1 3/4"	D	HOLLOW METAL	3	WOOD	-	-	-	9	FIRE RATED TREATED HEADER
112	ELEC / IT ROOM	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	C	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	5	-
113A	CHAT LOUNGE	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	AA	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	7	SEE NOTE 'A'
113B		CORRIDOR	3' - 0"	7' - 0"	1 3/4"	C	INSULATED METAL	2	INSULATED METAL	-	-	-	8	SEE NOTE 'H'
114	CORRIDOR	WOMEN	3' - 0"	7' - 0"	1 3/4"	C	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	1	SEE NOTE 'D'
115	MEN	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	C	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	1	SEE NOTE 'D'
116	CORRIDOR	JAN	3' - 0"	7' - 0"	1 3/4"	C	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	4	-
117	CHAT LOUNGE	HUB	3' - 6"	7' - 10"	1 3/4"	A	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	SEE NOTE 'A'
118	WORK ROOM	CHAT LOUNGE	3' - 0"	7' - 0"	1 3/4"	B	HOLLOW METAL	1	HOLLOW METAL	1/A601	1/A601	3/A601	2	SEE NOTES 'B' AND 'C'
119	STORAGE	WORK ROOM	3' - 6"	7' - 0"	1 3/4"	D	HOLLOW METAL	3	WOOD	-	-	-	9	FIRE RATED TREATED HEADER

DOOR TYPES



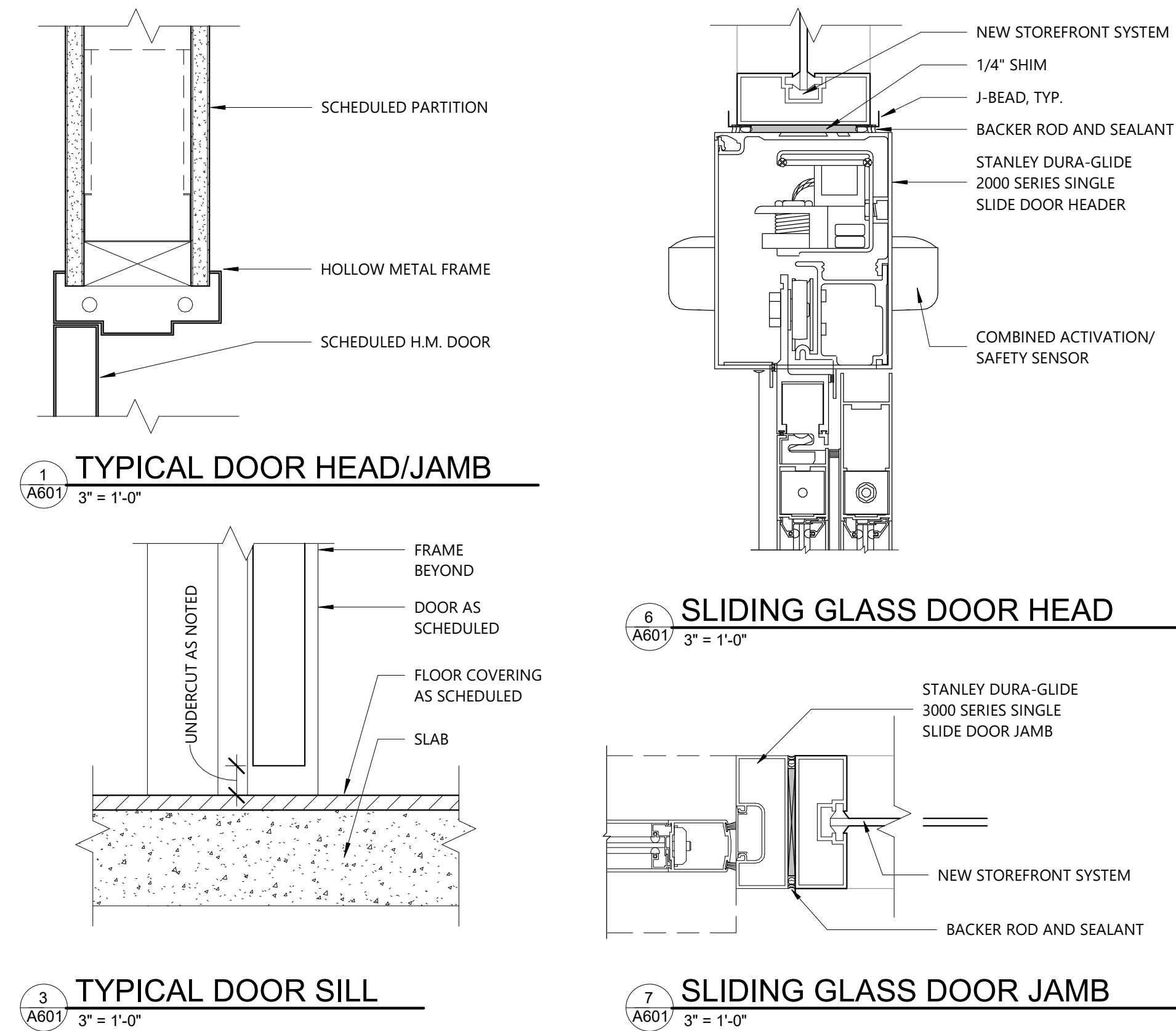
FRAME TYPES



STOREFRONT SYSTEM NOTES

- CURTAINWALL SYSTEM: BASIS OF DESIGN IS KAWNEER 7525 SERIES CURTAINWALL SYSTEM OR APPROVED EQUAL SYSTEM IS DOUBLE GLAZED WITH OVERALL FRAME THICKNESS OF 6 5/16" AND A 2 1/2" SITELINE.
- PUNCHED WINDOWS: BASIS OF DESIGN IS KAWNEER TRIFAB 451-T OR COMPARABLE BY ONE OF THE FOLLOWING: EFCO CORPORATION, TRACO, VISTAWALL ARCHITECTURAL PRODUCTS. OVERALL FRAME THICKNESS IS 4 1/2" DEPTH WITH 2" SITELINE.
- GLAZING PERFORMANCE REQUIREMENTS: INSULATED UNIT BASIS OF DESIGN IS 7525 SERIES
 - A. OVERALL UNIT THICKNESS AND THICKNESS OF EACH PANE: 25MM AND 5.0MM
 - B. INTERSPACE: 90% ARGON, 10% AIR
 - C. OUTDOOR LITE: CLASS 1 CLEAR FLOAT GLASS WITH COATED VISION-GLASS REQUIREMENTS. KIND FG (ANNEALED)
 - D. INDOOR LITE: CLASS 1 CLEAR FLOAT GLASS KIND FG (ANNEALED)
 - E. LOW E COATING: PYROLYTIC OR SPUTTERED ON SECOND SURFACE
 - F. VISIBLE LIGHT TRANSMISSION: 64% MINIMUM
 - G. U-VALUE: 0.24 MAXIMUM
 - H. SOLAR HEAT GAIN: 0.27 MAXIMUM (GLASS ONLY)
 - I. SHADING COEFFICIENT: 0.31 MAXIMUM

DOOR DETAILS



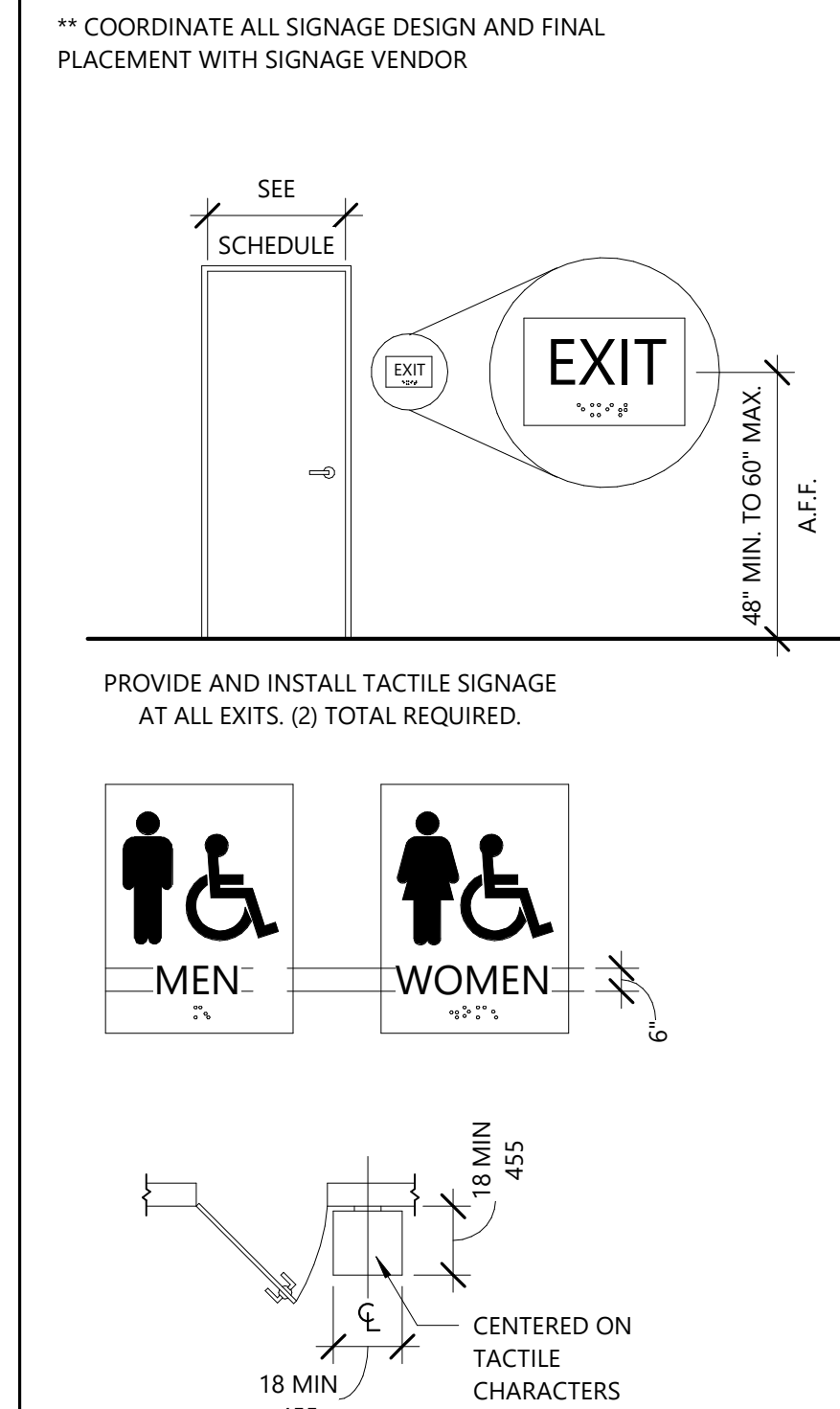
DOOR HARDWARE

HW #	FUNCTION				PURPOSE
1	1 EA PRIVACY LOCKSET x INDICATOR 3 EA HINGES 1 EA CLOSER (PULL SIDE) 1 EA DOOR STOP (FLOOR MOUNTED) 1 EA KICK PLATE (PUSH SIDE) 3 EA SILENCERS	L9040 O2AHL283-722 BB81 4.5"x4.5" 26D SC71 RW/PA TB FS436 8400 12"x34" B4E CS BY FRAME MANUFACTURER	626 26D ALUM 26D 32D	SCHLAGE PBB FALCON IVES IVES	TOILET ROOMS
2	1 EA DIGITAL LOCKSET 3 EA HINGES 1 EA CLOSER (PULL SIDE) 1 EA DOOR STOP (FLOOR MOUNTED) 2 EA DOOR VIEWER 1 EA KICK PLATE (PUSH SIDE) 3 EA SILENCERS	DL2700IC (SFIC/LESS CORE) BB81 4.5"x4.5" 26D SC71 RW/PA TB FS436 DS2000S 8400 12"x34" B4E CS BY FRAME MANUFACTURER	26D 26D ALUM 26D ALUM 32D	ALARM LOCK PBB FALCON IVES DOORSCOPE IVES	WORK ROOM PREP DOOR FOR CARD ACCESS VIA MORTISE LOCKSET, EPT-10 HINGE
3	1 EA CLASSROOM LOCKSET 3 EA HINGES 1 EA CLOSER (PULL SIDE) 1 EA DOOR STOP (FLOOR MOUNTED) 2 EA DOOR VIEWER 1 EA KICK PLATE (PUSH SIDE) 3 EA SILENCERS	ALX70BD BRW (C-KEYWAY) BB81 4.5"x4.5" 26D SC71 RW/PA TB FS436 DS2000S 8400 12"x34" B4E CS BY FRAME MANUFACTURER	626 26D ALUM 26D ALUM 32D	SCHLAGE PBB FALCON IVES DOORSCOPE IVES	BREAK ROOM
4	1 EA STOREROOM LOCKSET 3 EA HINGES 1 EA CLOSER (PULL SIDE) 1 EA DOOR STOP (FLOOR MOUNTED) 1 EA KICK PLATE (PUSH SIDE) 3 EA SILENCERS	L9080 BB81 4.5"x4.5" 26D SC71 RW/PA TB FS436 8400 12"x34" B4E CS BY FRAME MANUFACTURER	626 26D ALUM 26D 32D	SCHLAGE PBB FALCON IVES IVES	STORAGE ROOM JANITORS ROOM
5	1 EA LOCKSET 3 EA HINGES 1 EA CLOSER (PULL SIDE) 1 EA DOOR STOP (FLOOR MOUNTED) 1 EA KICK PLATE (PUSH SIDE) 3 EA SILENCERS	L1021 (SFIC/LESS CORE) BB81 4.5"x4.5" 26D SC71 RW/PA TB FS436 8400 12"x34" B4E CS BY FRAME MANUFACTURER	26D 26D ALUM 26D 32D	ALARM LOCK PBB FALCON IVES IVES	ELEC/IT ROOM PREP DOOR FOR CARD ACCESS VIA MORTISE LOCKSET, EPT-10 HINGE
6	1 EA LOCKSET 3 EA HINGES 1 EA DOOR STOP (FLOOR MOUNTED) 1 EA VISION LIGHT KIT 3 EA SILENCERS	L1021 (SFIC/LESS CORE) BB81 4.5"x4.5" 26D FS436 LOPRP 6x27 W/ CLEAR TEMPERED GLASS BY FRAME MANUFACTURER	26D 26D 26D 26D	ALARM LOCK PBB IVES ANEMOSTAT	PRIVATE OFF-STAGE OFFICE
7	1 EA LOCKSET 3 EA HINGES 1 EA CLOSER (PULL SIDE) 1 EA DOOR STOP (FLOOR MOUNTED) 3 EA SILENCERS	L1021 (SFIC/LESS CORE) BB81 4.5"x4.5" 26D SC71 RW/PA TB FS436 BY FRAME MANUFACTURER	26D 26D ALUM 26D	ALARM LOCK PBB FALCON IVES	CORRIDOR
8	1 EA HINGES AS REQUIRED 1 EA ELECTRIC HINGE 1 EA ELECTRIC EXIT 1 EA POWER SUPPLY 1 EA DOOR CLOSER (PUSH SIDE) 1 EA THRESHOLD (METAL) 1 EA DOOR SWEEP 1 EA WEATHER STRIPPING 1 EA ALARM 1 EA CYLINDER HOUSING 1 EA PULL BAR (PUSH SIDE)	BB81 4.5"x4.5" EL2+4 EL25R EO (3'-0") PS902 x 900-2RS SC71 RW/PA TB PG21 80-102 1732	26D N/A	PBB FALCON FALCON ALARM LOCK SCHLAGE TRIMCO	EXIT ONLY
9	1 EA 42" POCKET FRAME KIT 2 EA 6" DOOR PULL	1500SC 2X4 STUD WALL 8102HD 6"	- 26D	JOHNSON IVES	STORAGE / OFF STAGE

DOOR NOTES

- SCOPE OF WORK: ALL NEW AND EXISTING FINISHED DOOR FRAMES SHALL BE FINISHED AS SPECIFIED ON PLANS AND PROJECT SPECIFICATIONS.
- THE EXISTING BUILDING STANDARD DOOR LEAVES ARE TO BE TOUCHED-UP BY THE CONTRACTOR.
- NEW BUILDING STANDARD VENEER DOOR LEAVES SHALL MATCH EXISTING. SUBMIT SAMPLES TO BUILDING OWNER FOR APPROVAL.
- ALL DOORS AND DOOR HARDWARE SHALL BE BUILDING STANDARDS EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE ON DRAWINGS OR SPECIFICATIONS. ANY EXISTING DOORS, FRAMES, AND HARDWARE TO BE REUSED SHALL BE TOUCHED UP AND/OR REPAIRED AS REQUIRED TO "LIKE NEW" CONDITION.
- BUILDING STANDARD DOORS ARE <3'-0" X 8'-0" X 1-3/4"> FLUSH SOLID CORE. BUILDING STANDARD VENEER IS <per work letter> TO MATCH EXISTING.
- BUILDING STANDARD FRAMES ARE <VERSATRAC ALUMINUM> FRAMES. BUILDING STANDARD FINISH IS <DARK BRONZE>. PROVIDE SILENCER(S) AND SOUND SEALS TO MATCH EXISTING BUILDING STANDARDS.
- ALL HARDWARE SHALL MATCH BUILDING STANDARDS. BUILDING STANDARD HARDWARE IS <SCHLAGE AL-SERIES> HARDWARE WITH <BRUSHED ALUMINUM/CHROME/BRONZE> FINISH.
- ALL DOORS, FRAMES, AND HARDWARE, INCLUDING THOSE OF DIFFERING SIZE, MATERIAL, AND OPERATION SHALL BE SUPPLIED BY THE CONTRACTOR.
- ALL KEYING SHALL BE BY GENERAL CONTRACTOR. VERIFY THE NUMBER OF KEYS REQUIRED FOR THIS PROJECT WITH THE OWNER.
- G.C. IS TO EXAMINE EXISTING DOORS AND HARDWARE AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THESE DOORS AND HARDWARE FOR THE DURATION OF THE CONSTRUCTION PERIOD. G.C. SHALL REPORT CONDITION OF DOORS TO OWNER IN WRITING AT TIME OF ACCEPTANCE. G.C. SHALL TRANSPORT DOORS SUPPLIED OUT OF OWNER'S STOCK (IF ANY) FROM SPACE WITHIN THIS BUILDING TO THE WORK AREA.
- DOOR ASSEMBLIES SHALL BE FIRE RATED ("LABELED") WHEN REQUIRED BY THE LOCAL BUILDING CODE.
- G.C. SHALL PROVIDE MATCHING DOOR LEAVES AT ALL PAIRS OF DOORS. RELOCATED DOORS SHALL BE PAIRED AS CLOSELY AS POSSIBLE BASED ON WOOD GRAIN AND COLOR.
- G.C. TO PROTECT PREFINISHED DOORS AND FRAMES THROUGH THE CONSTRUCTION PERIOD. DOORS THAT ARE DAMAGED AS A RESULT OF HIM OR HIS SUBCONTRACTOR'S WORK DURING THIS PERIOD SHALL BE REPAIRED OR REPLACED BY THE G.C.
- BIDDING CONTRACTORS SHALL VERIFY ALL INFORMATION IN REGARDS TO DOOR ASSEMBLIES, BUILDING STANDARDS (SIZES, VENEERS, FRAME TYPES, ETC.) AND RESPONSIBILITIES PRIOR TO STARTING BIDS.

SIGNAGE DETAILS

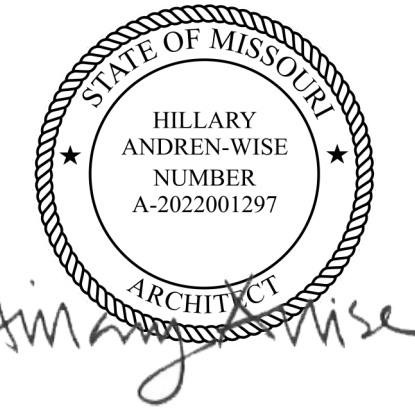


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MO LICENSE NOS. 2003019618 * 2003019636



PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: SLC
DRAWN BY: PAF
DESIGNED BY: RS&H
PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
DOOR SCHEDULE,
DOOR TYPES AND
NOTES

SHEET ID:
A601

PROJECT STATUS:
PERMIT DOCUMENTS

3/17/2022 11:35:12 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/524-0368-028_PNC MO Lees Summit_A_P222_CENTRAL.rvt

EXTERIOR GLAZING SCHEDULE	
TAG	DESCRIPTION
GLAZING	*BASIS OF DESIGN: VITRO ARCHITECTURAL GLASS - SOLARBAN 70 LOW-E WITH STARPHIRE ULTRA-CLEAR GLASS
GL-1	1" TEMPERED INSULATED GLAZING
ALUMINUM GLAZING FRAMES	
AF-1	NEW STOREFRONT SYSTEM TO MATCH EXISTING BUILDING STOREFRONT
GENERAL NOTES	
1. GC IS REQUIRED TO PROVIDE LANDLORD A STOREFRONT AND GLASS SAMPLE PRIOR FOR APPROVAL PRIOR TO INSTALLING.	

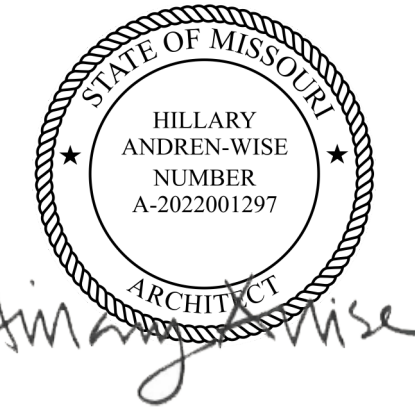


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PROJECT TITLE:
 PNC MO LEE'S SUMMIT
 GROUND UP BRANCH

PROJECT ADDRESS:
 LEE'S SUMMIT, MO
 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

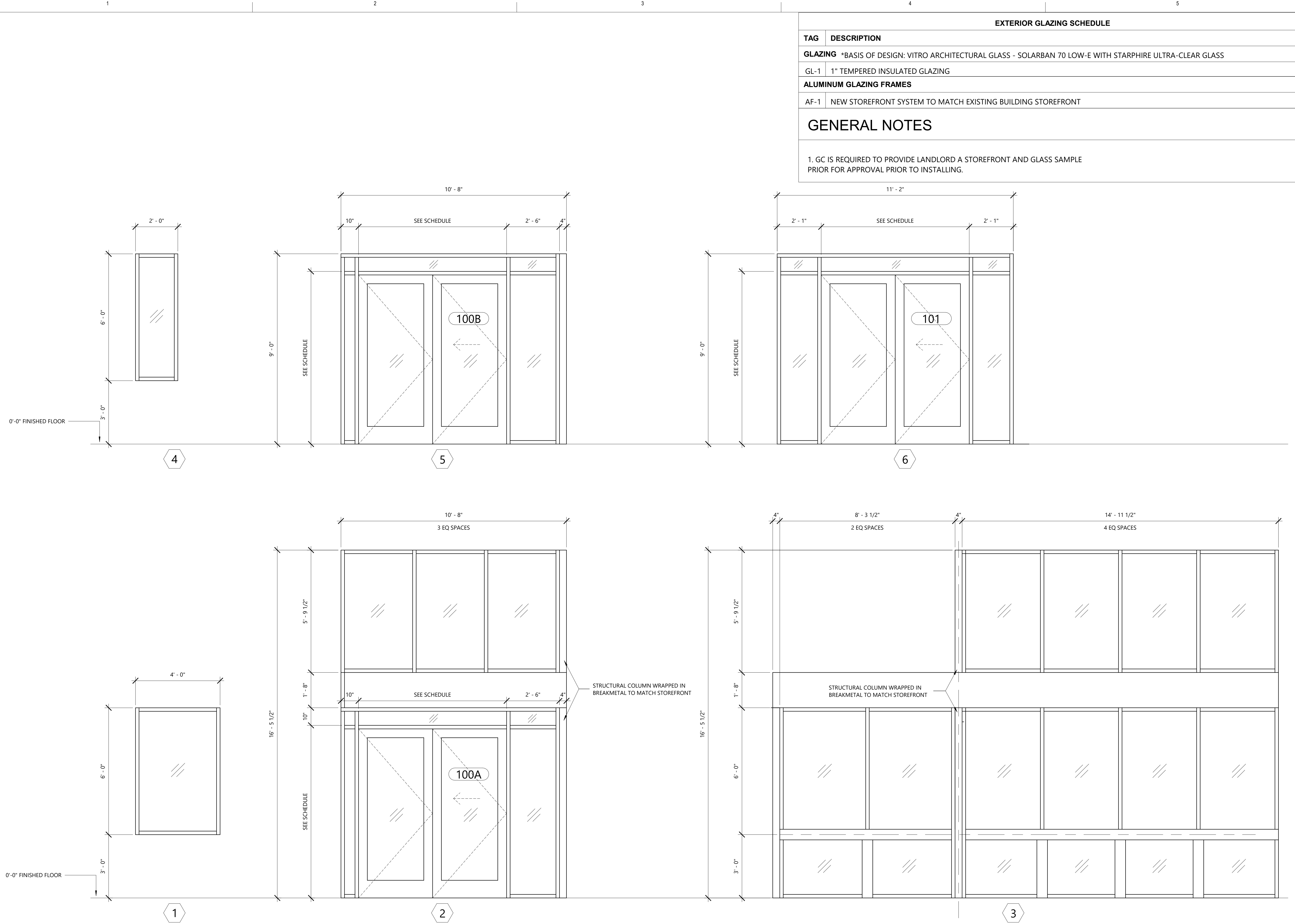
DATE ISSUED: 02/15/2022
 REVIEWED BY: Checker
 DRAWN BY: Author
 DESIGNED BY: Designer

PROJECT NUMBER:
 524-0368-028
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SHEET TITLE:
 WINDOW TYPES

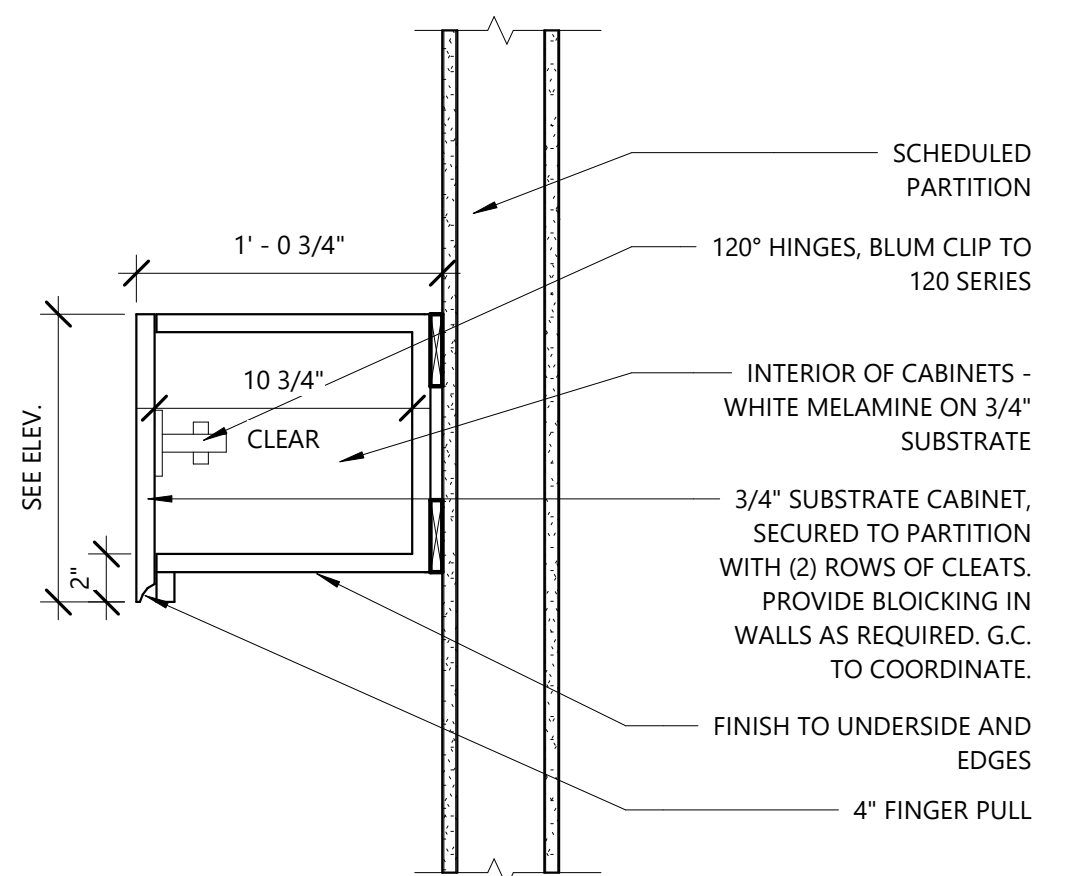
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 A602

PROJECT STATUS:
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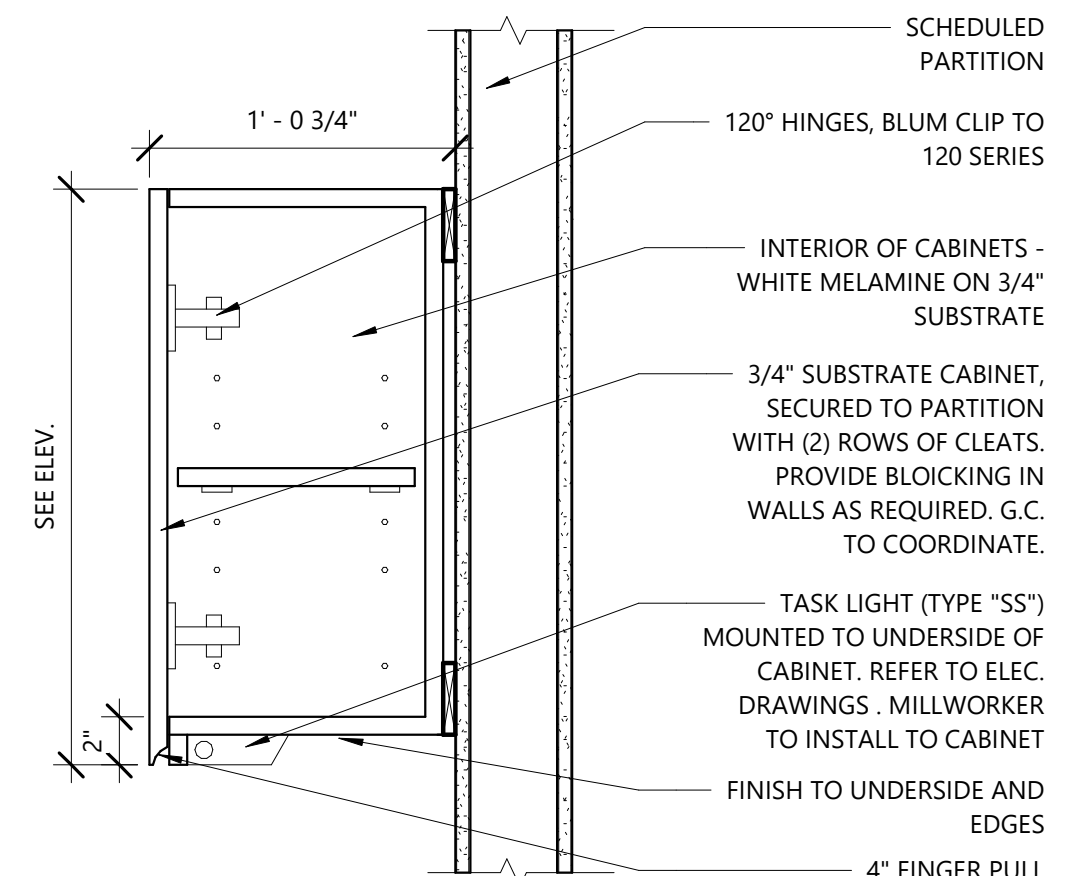


1 WINDOW TYPES
 1/2" = 1'-0"

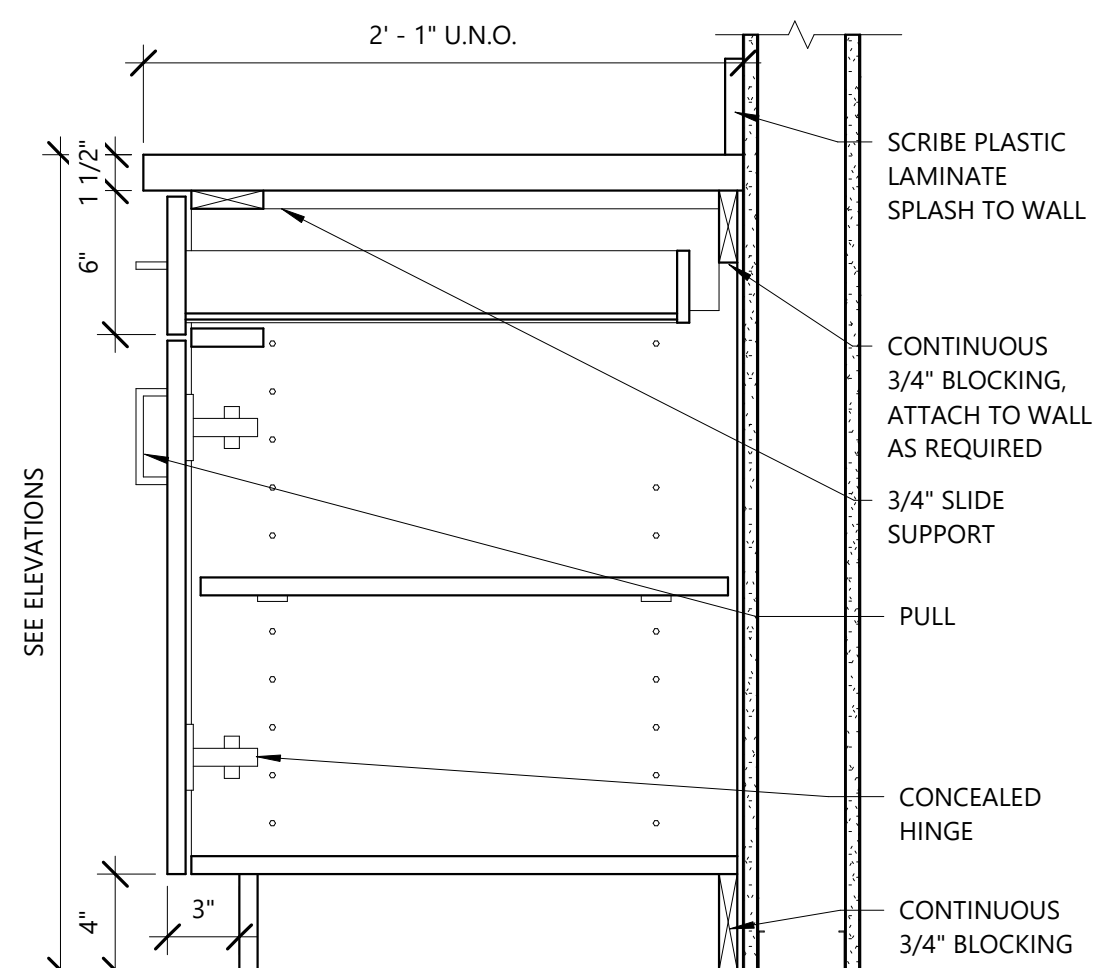
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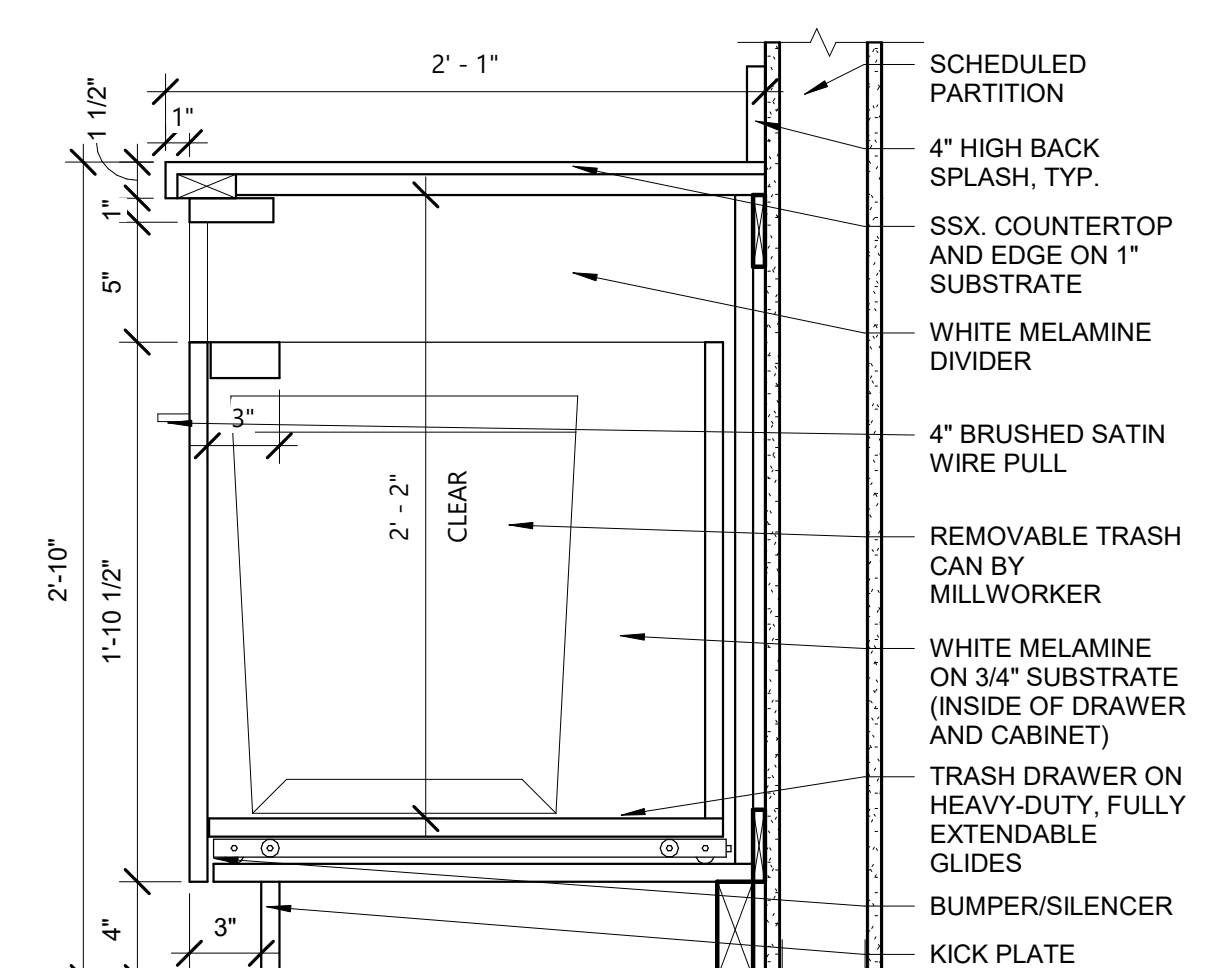
1 UPPER CABINET
1 1/2" = 1'-0"



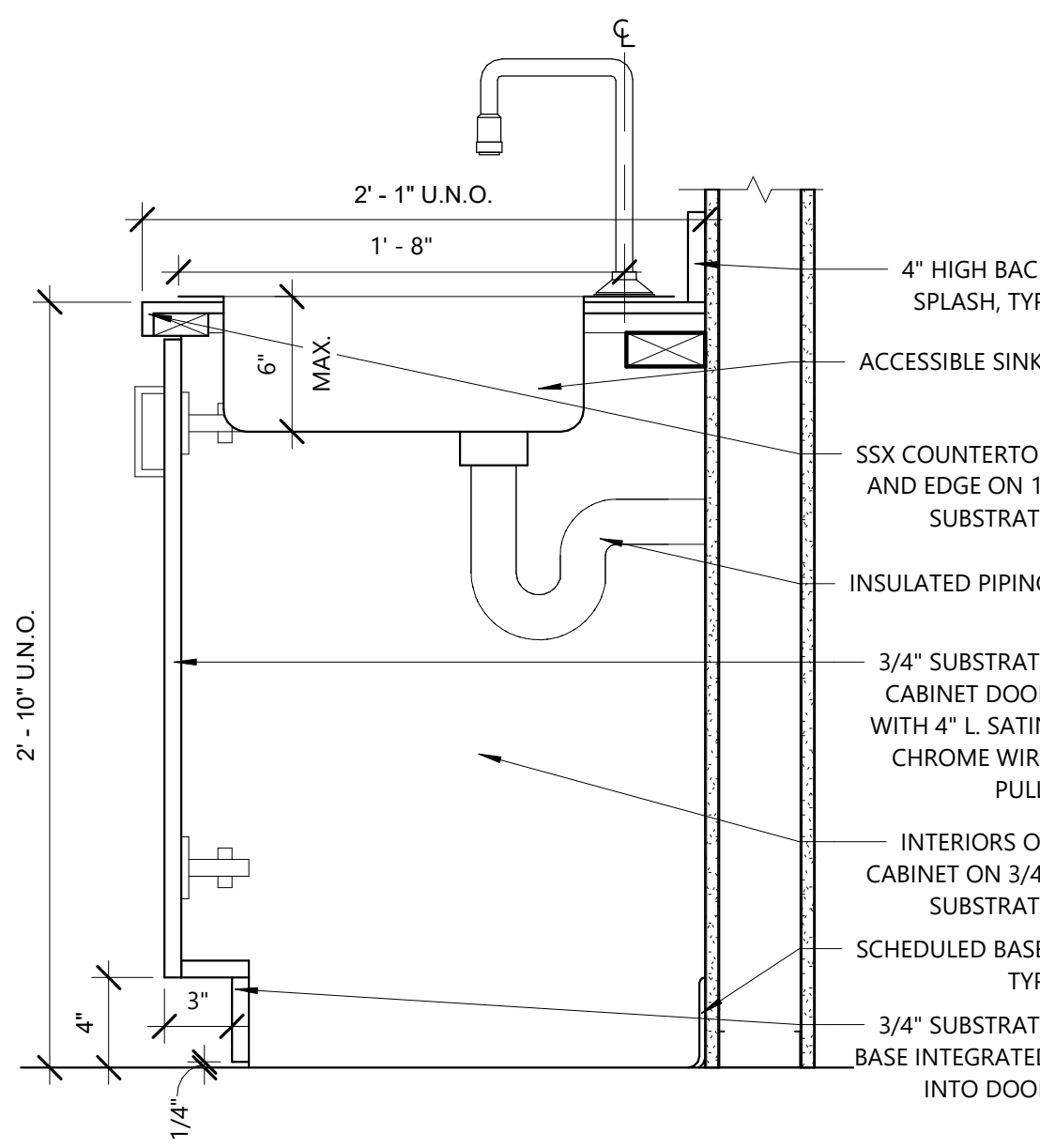
2 UPPER CABINET
1 1/2" = 1'-0"



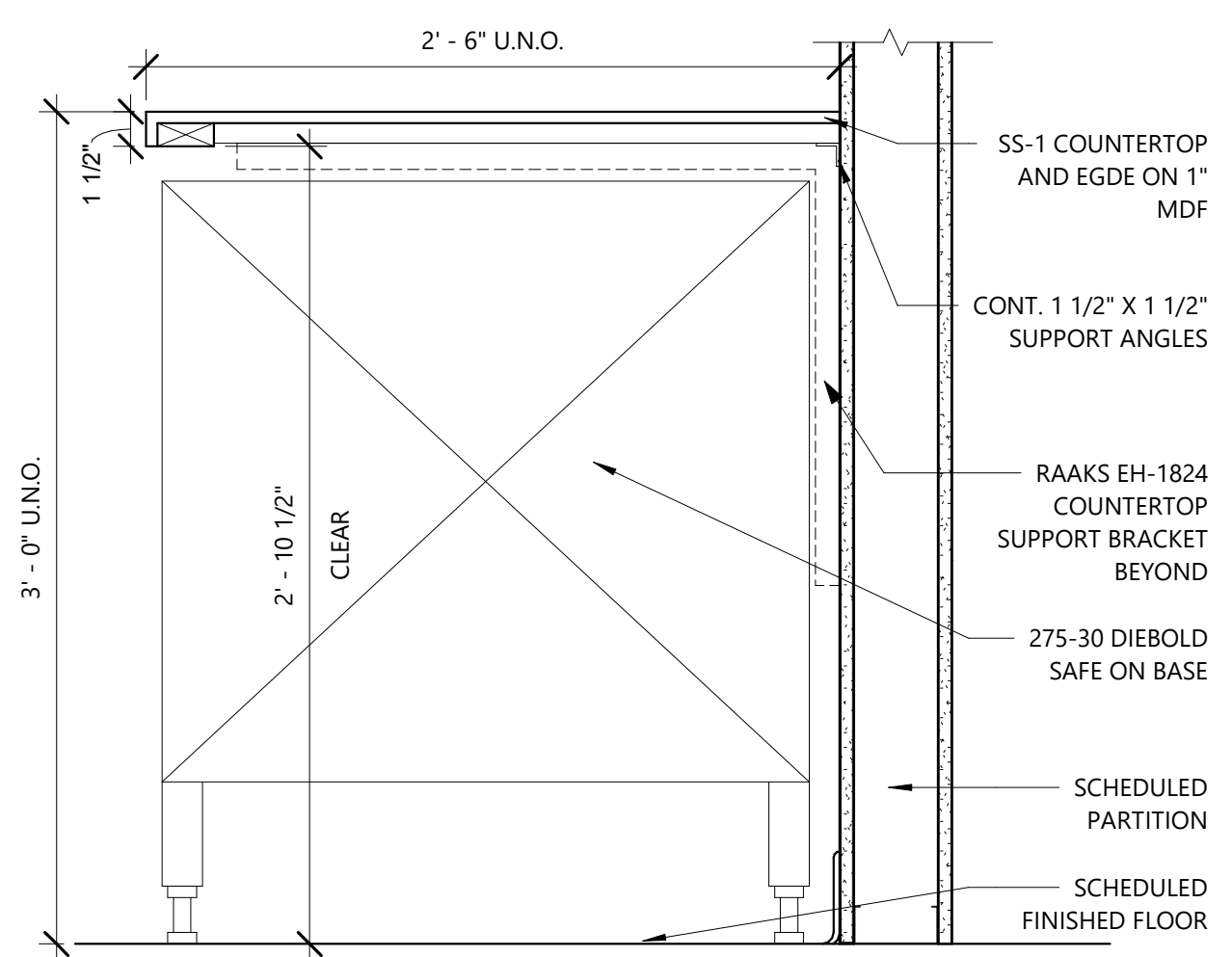
3 BASE CABINET - 1 DRAWER
1 1/2" = 1'-0"



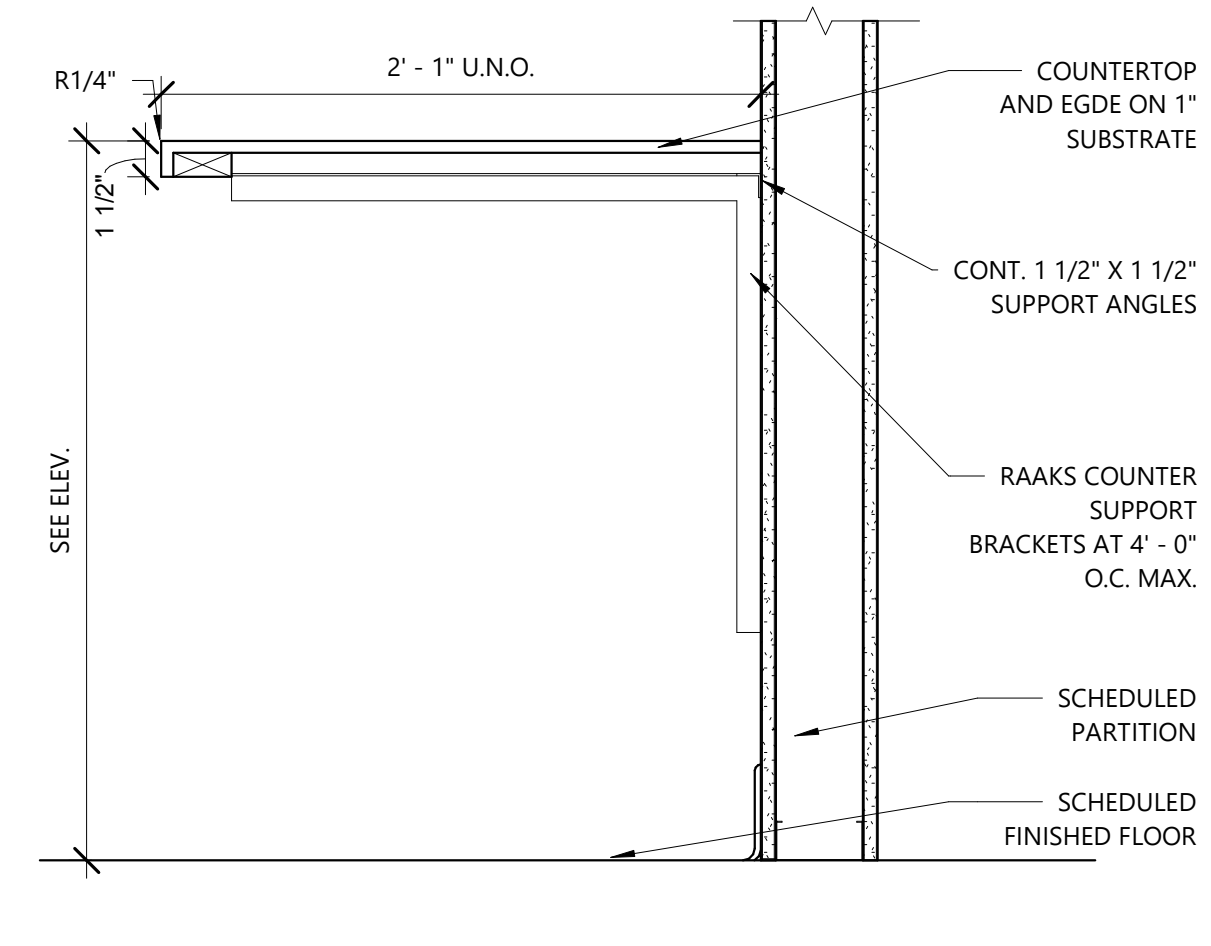
4 TRASH CABINET
1 1/2" = 1'-0"



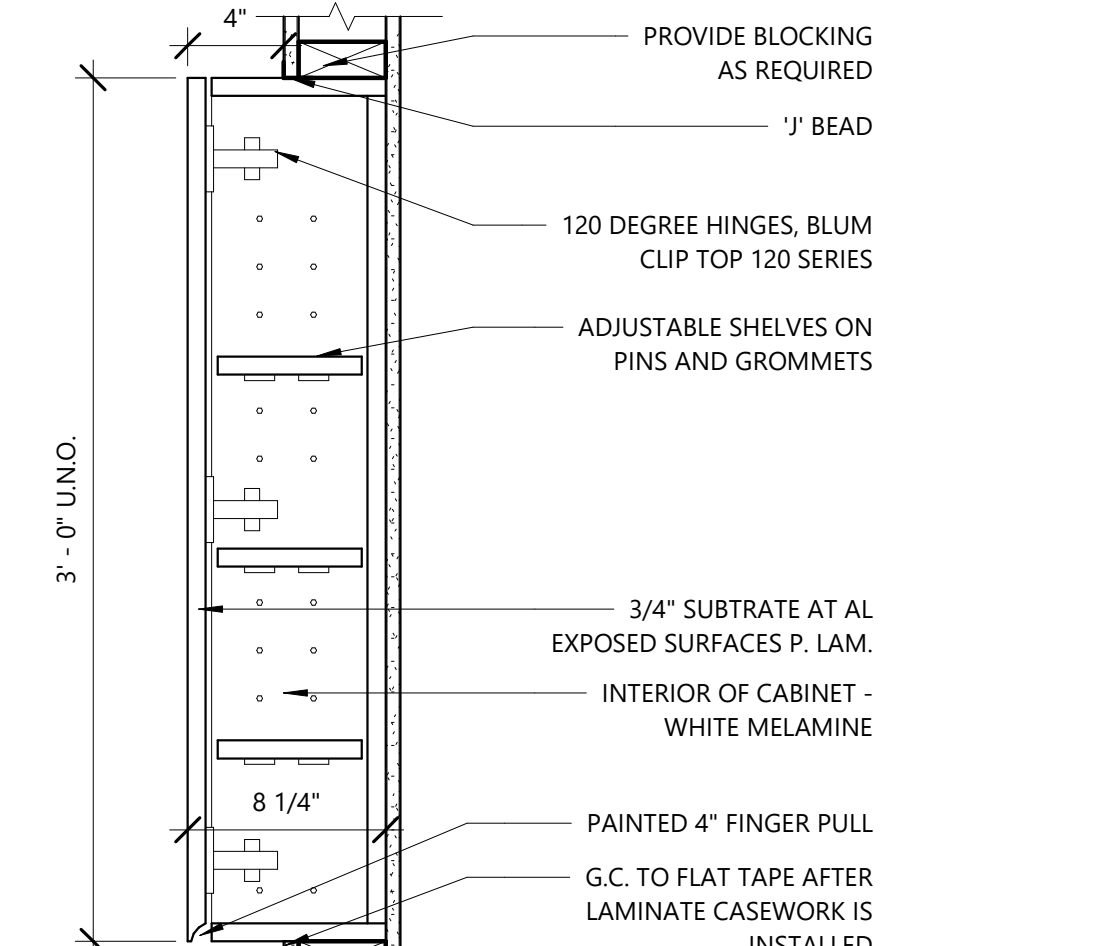
5 SINK BASE
1 1/2" = 1'-0"



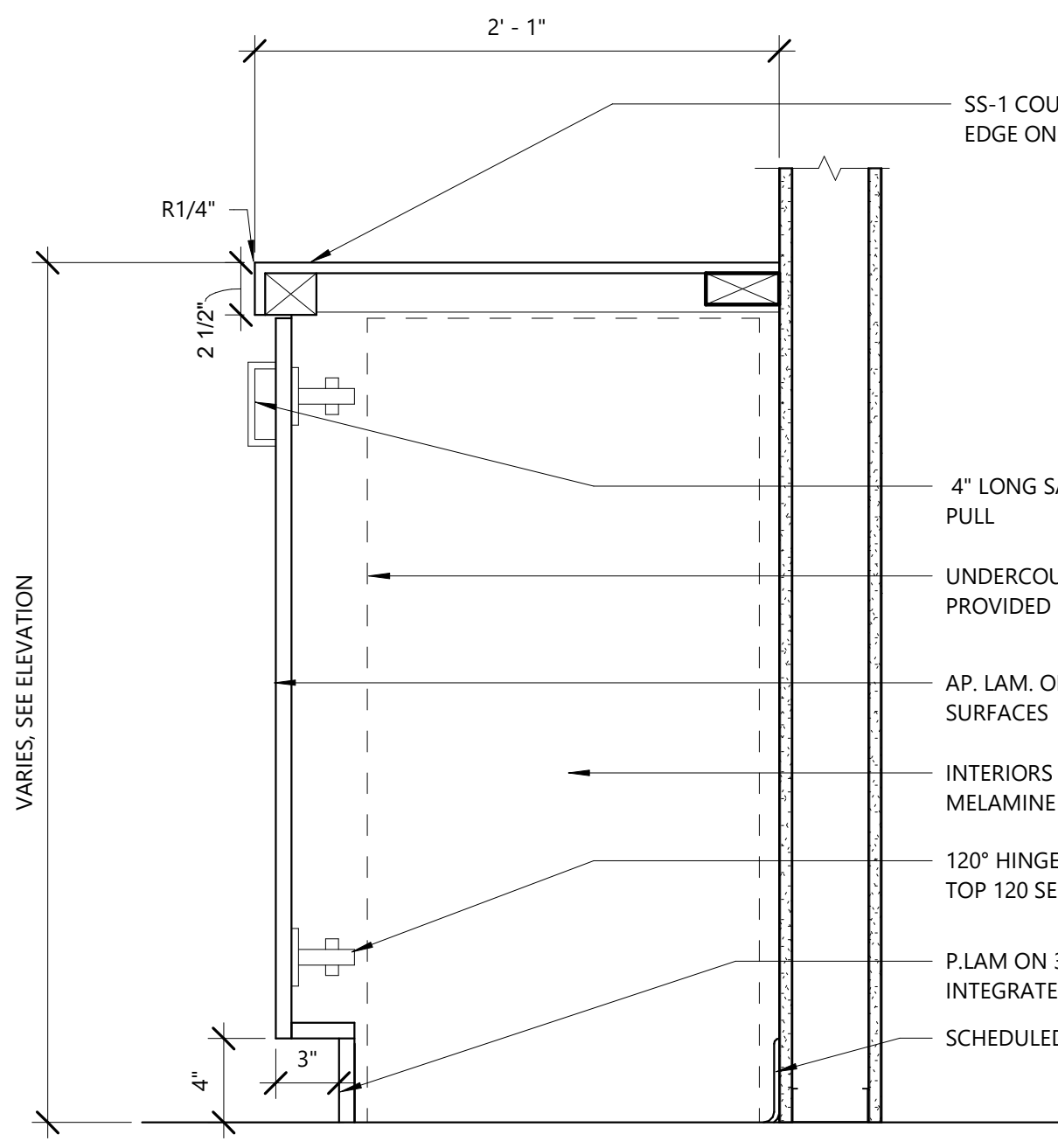
6 CASH SAFE SPACE
1 1/2" = 1'-0"



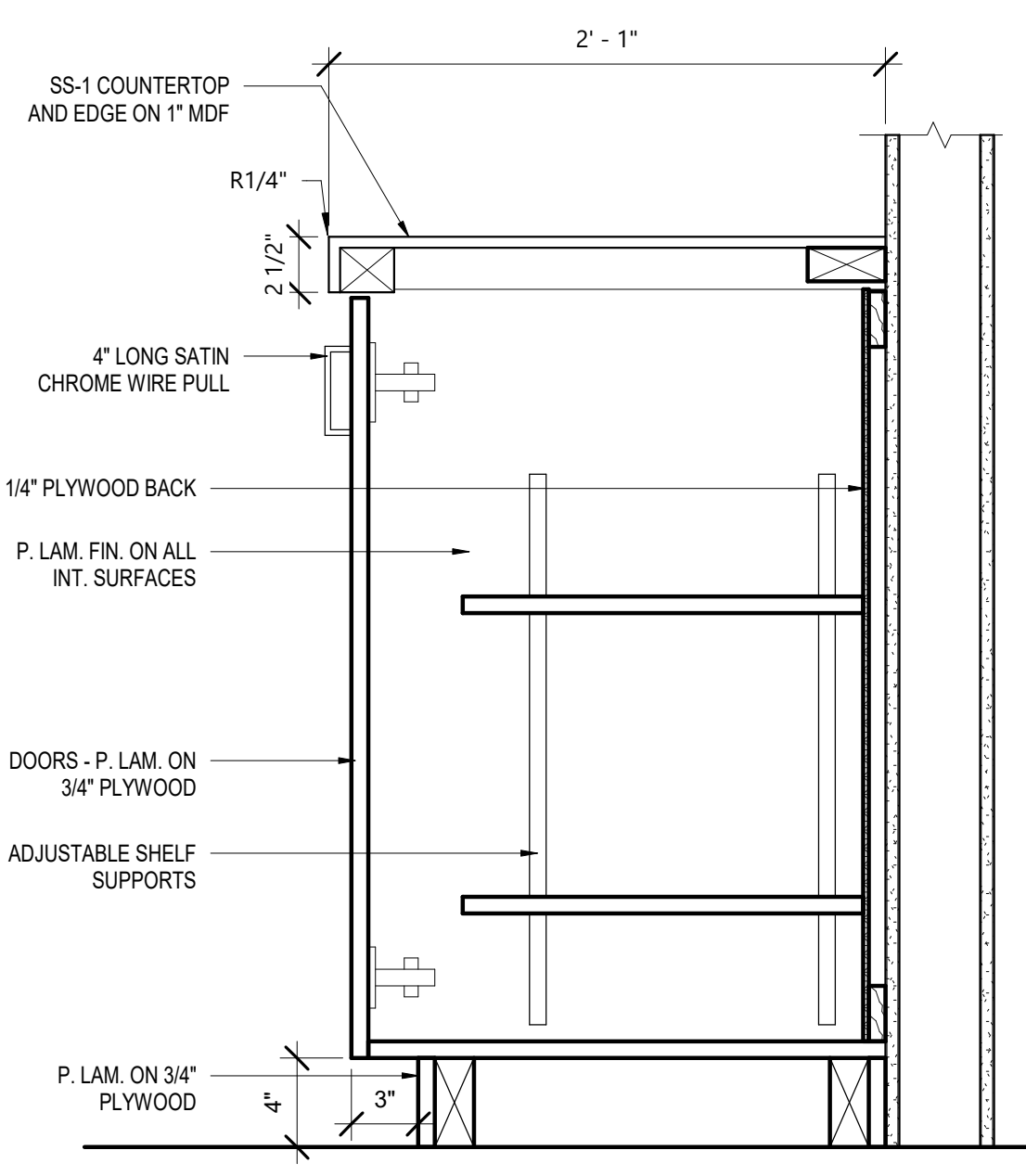
7 KNEE SPACE
1 1/2" = 1'-0"



8 TOILET ROOM CABINET
1 1/2" = 1'-0"



9 BASE CABINET AT CONCIERGE
1 1/2" = 1'-0"



10 BASE CABINET
1 1/2" = 1'-0"

- ### CASEWORK GENERAL NOTES
- FABRICATE AND INSTALL CASEWORK TO AWI CUSTOM QUALITY STANDARDS FOR FLUSH OVERLAY CONSTRUCTION.
 - BASE MOLDING AT ALL CABINETS SUPPLIED BY MANUFACTURER.
 - PLASTIC LAMINATE TOPS ARE 25" DEEP, U.N.O.
 - ALL CABINETS ARE TO BE SECURELY ATTACHED TO BUILDING STRUCTURE WITH ANCHORING DEVICES OF APPROPRIATE TYPE, SIZE, AND QUANTITY TO MEET PREVAILING CODES. ANCHORING DEVICES PROVIDED BY INSTALLATION CONTRACTORS.
 - TOE KICKS ALONG EACH ELEVATION THAT ARE SEPARATED BY LESS THAN 2" ARE TO BE MADE FLUSH WITH A 3" MIN. DEPTH.
 - QUANTITY OF MASTER KEYS IS FIVE (5), U.N.O.
 - DOOR / DRAWER FRONTS AND EXPOSED CABINET EXTERIORS TO BE PLASTIC LAMINATE IN COLOR AS INDICATED ON INTERIOR ELEVATIONS AND INTERIOR FINISH SCHEDULE.
 - INTERIOR OF ALL CABINETS AND DRAWERS ARE TO BE WHITE MELAMINE, U.N.O.
 - COUNTERTOPS WILL NOT BE SUPPLIED WITH CUT OUT FOR COLUMNS. FIELD TRIM REQUIRED.
 - ALL BACK SPLASH PARTS FOR COLUMNS WILL BE SUPPLIED OVERSIZE TO ALLOW FOR FIELD TRIM.
 - ALL CUT OUTS FOR SINKS, GROMMETS, APPLIANCES, ETC. ARE TO BE FIELD CUT.
 - COUNTERTOPS AND BACK SPLASHES ARE TO BE CAULKED.
 - IF END SPLASHES ARE REQUIRED AGAINST WALLS, THEY WILL BE CUT TO DEPTH OF COUNTERTOP OR DEEPER. FIELD TRIM MAY BE REQUIRED.
 - ALL BASE CABINETS ARE 24" DEEP, U.N.O. ON PLANS & INTERIOR ELEVATIONS.
 - CABINETS AND SHELVING SHALL HAVE PLASTIC LAMINATE ON ALL EXTERIOR (EXPOSED) SURFACES, AND POLYESTER LAMINATE ON ALL INTERIOR (SEMI-EXPOSED) SURFACES. (SEE FINISH SCHEDULE).
 - SHELVING IN JANITOR CLOSET ARE 12" WIDE WHITE MELAMINE SHELVES ON STANDARDS W/ADJUSTABLE BRACKETS UNLESS NOTED OTHERWISE.
 - PROVIDE (1) 3" GROMMET FOR EVERY 3'-0" OF COUNTER TOP. COORDINATE FINAL LOCATIONS WITH OWNER.
 - FIELD CHECKS INCLUDE NOT ONLY WALL DIMENSIONS BUT ALSO VERIFICATION OF ACTUAL FIELD CONDITIONS LIKE BANK EQUIPMENT LOCATIONS & DIMENSIONS, WALL LOCATIONS, COLUMN LOCATIONS & DIMENSIONS, PIPING PANEL LOCATIONS & DIMENSIONS, NECESSARY CHASE DIMENSIONS, ANGLE INFORMATION ON WALLS, OPENING OF CABINET DOORS & DRAWERS, AND REQUIRED ACCESSIBILITY COMPLIANCE REQUIREMENTS.
 - SPECIFIC FIELD CHECK DIMENSIONS WILL NOT BE REQUESTED ON DRAWINGS WITH THE FULL UNDERSTANDING THAT ALL REQUIRED INFORMATION WILL BE PROVIDED BY THE GENERAL CONTRACTOR OR INSTALLATION CONTRACTOR.
 - ALL FIELD CHECK INFORMATION / DIMENSIONS ARE TO BE NOTED ON SHOP DRAWING ELEVATIONS.
 - WALL TO WALL DIMENSIONS SHOULD BE TAKEN ALONG THE BACK WALL AND APPROXIMATELY 2 FEET OUT. IF DIMENSIONS VARY 1/4" NOTE ON SHOP DRAWING ELEVATIONS. OTHERWISE NOTE SMALLER OF THE TWO DIMENSIONS.
 - IF FIELD CONDITIONS INDICATE CABINET REQUIREMENTS OTHER THAN SHOWN IN THESE DRAWINGS, THEY ARE TO BE NOTED ON SHOP DRAWING ELEVATIONS.
 - ALL ROUGH-IN DIMENSIONS ON DRAWINGS ARE TO CENTERLINE OF SINK CABINETS.

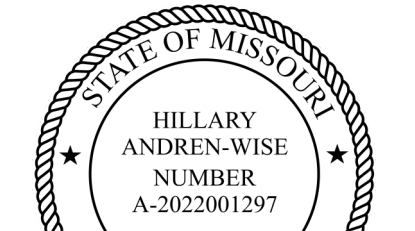


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PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: SLG
DRAWN BY: PAF
DESIGNED BY: RS&H
PROJECT NUMBER: 524-0368-028
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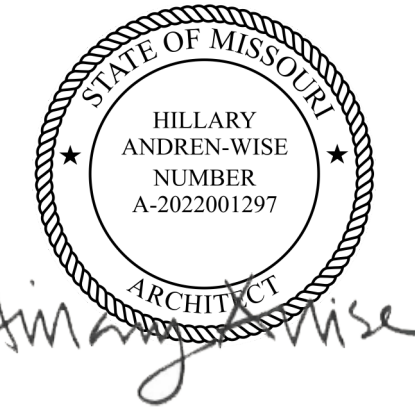
SHEET TITLE:
MILLWORK DETAILS

SHEET ID:
A701

PROJECT STATUS:
PERMIT DOCUMENTS

PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
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NEW PRYOR RD. & NW SUMMIT
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LEE'S SUMMIT, MO 64081



REVISIONS

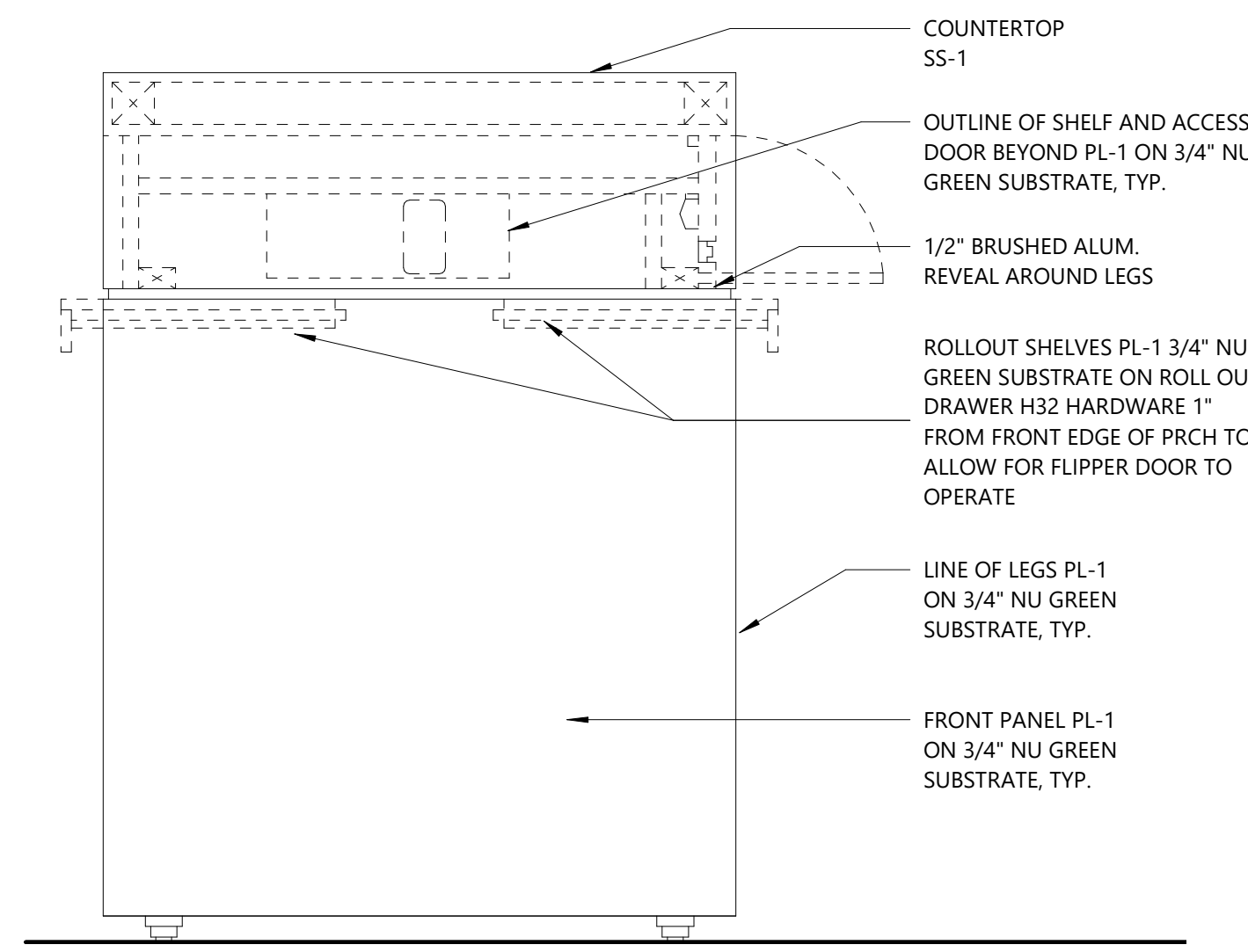
NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: SLC
DRAWN BY: PAF
DESIGNED BY: RS&H
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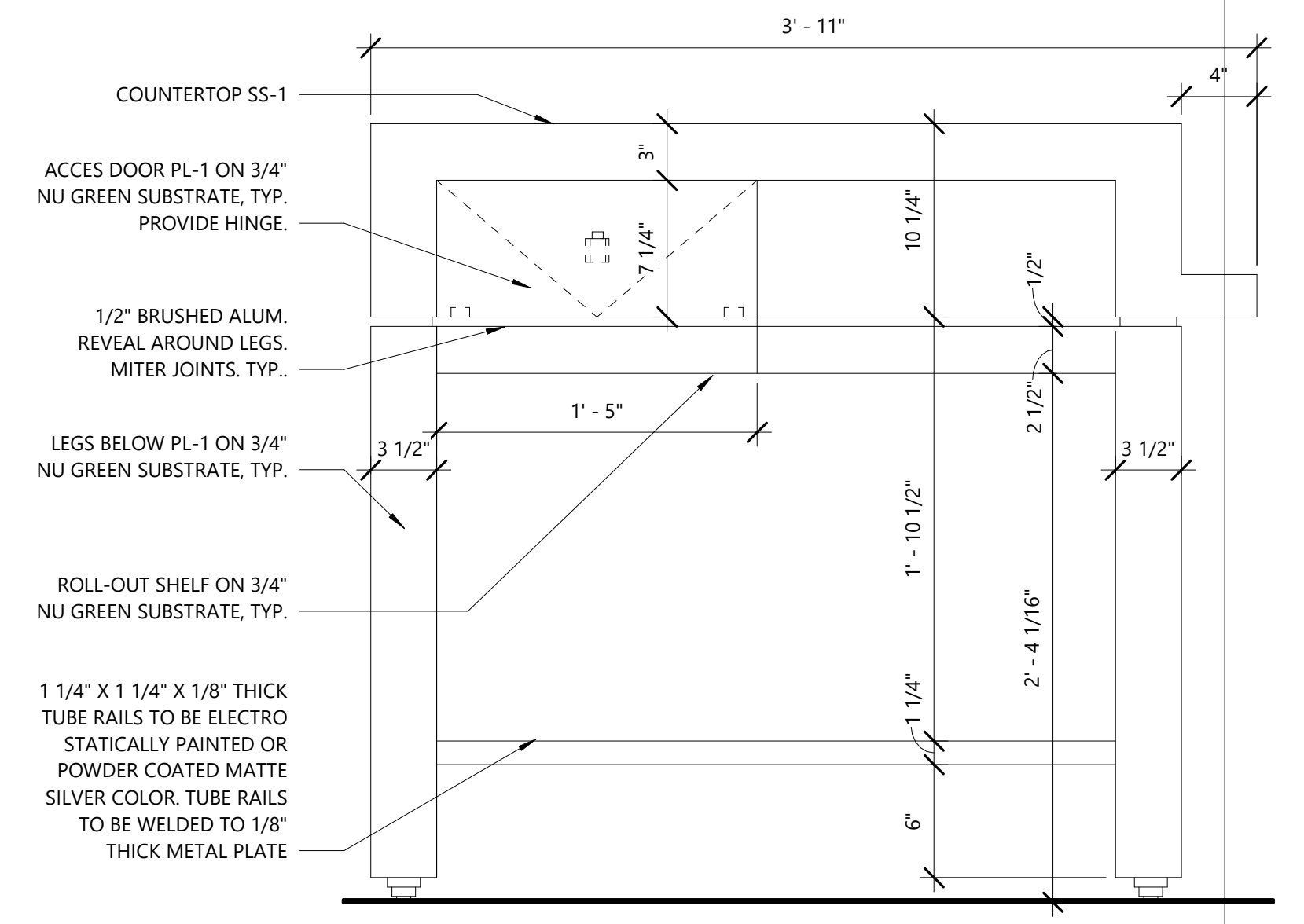
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PERCH DETAILS

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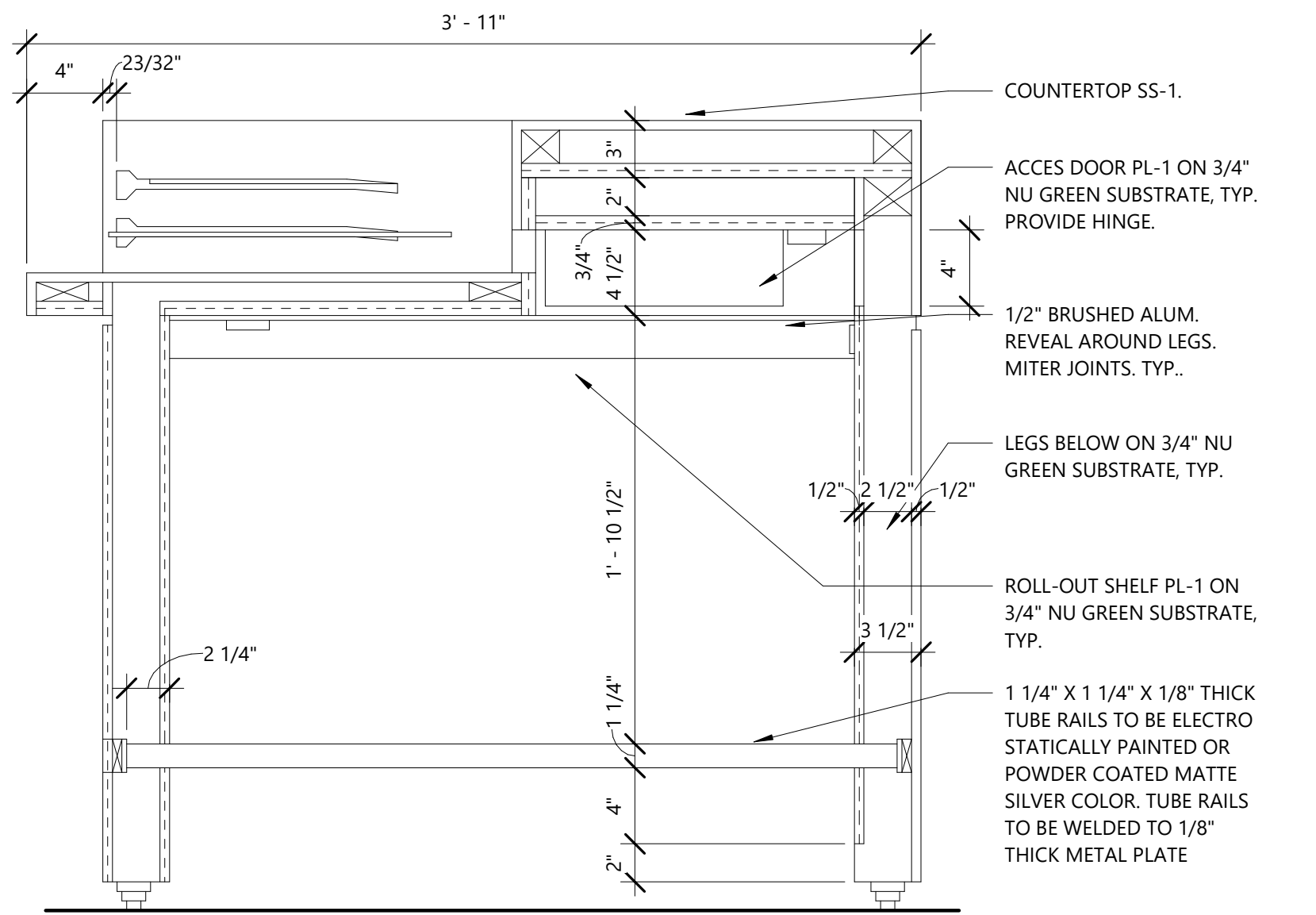
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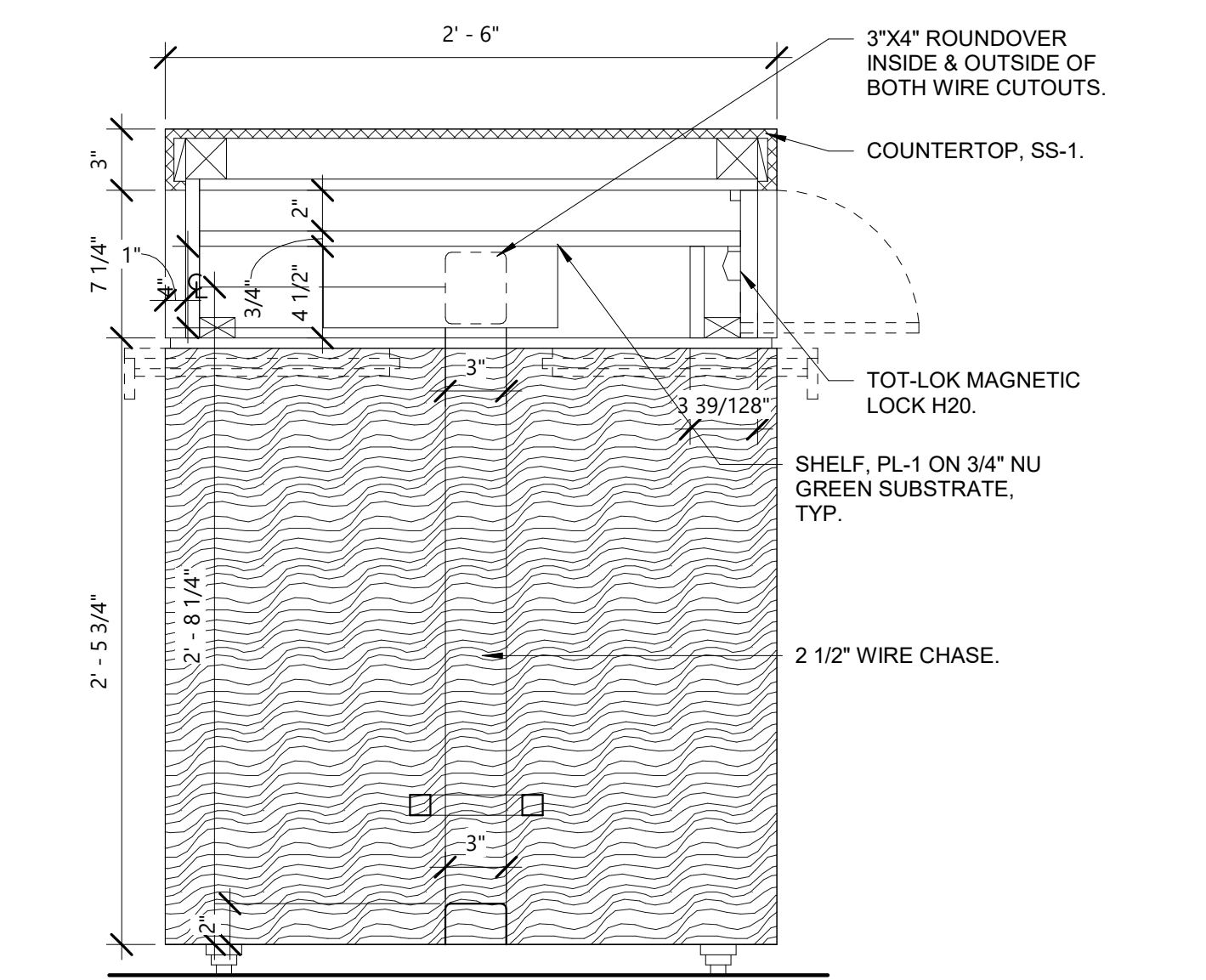
3 PERCH ELEVATION - EAST
1 1/2" = 1'-0"



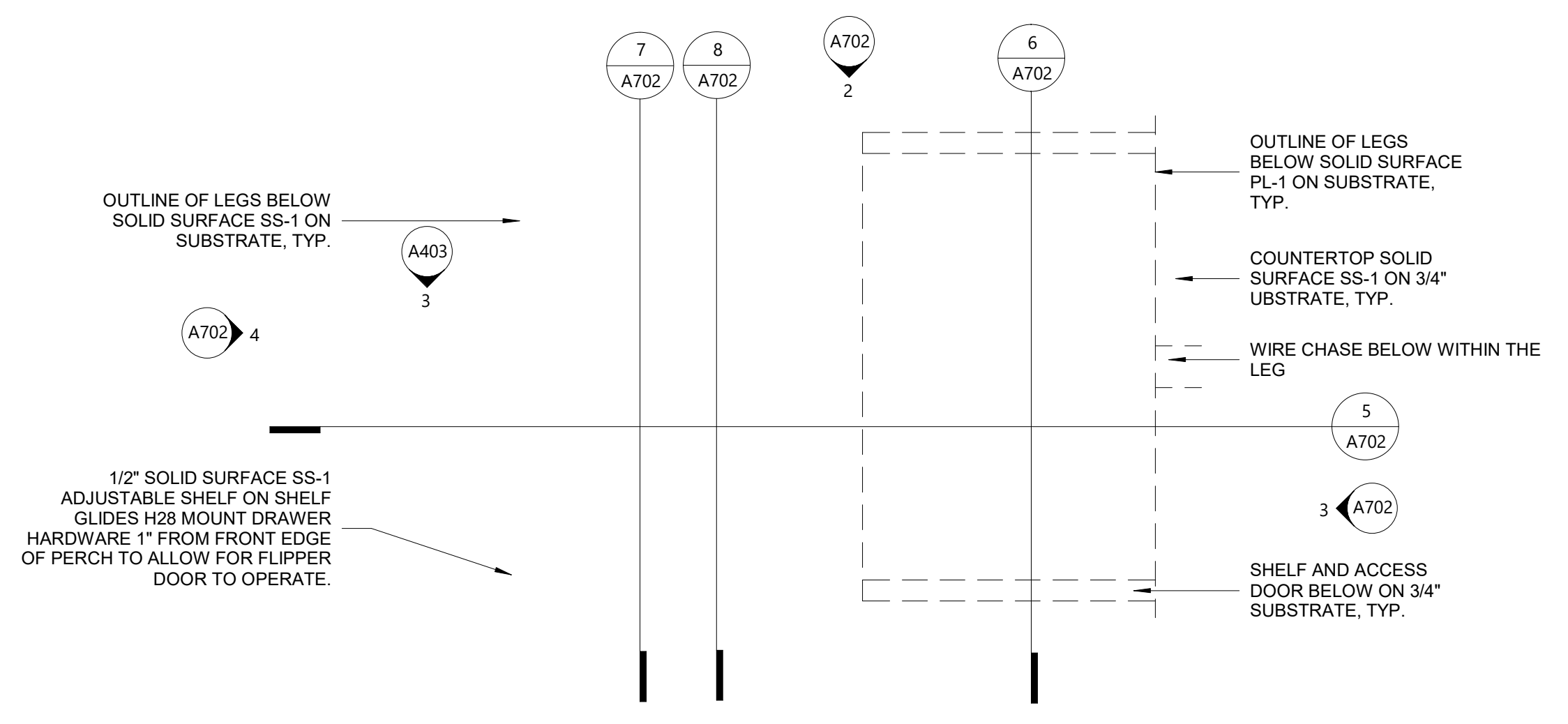
2 PERCH ELEVATION - NORTH
1 1/2" = 1'-0"



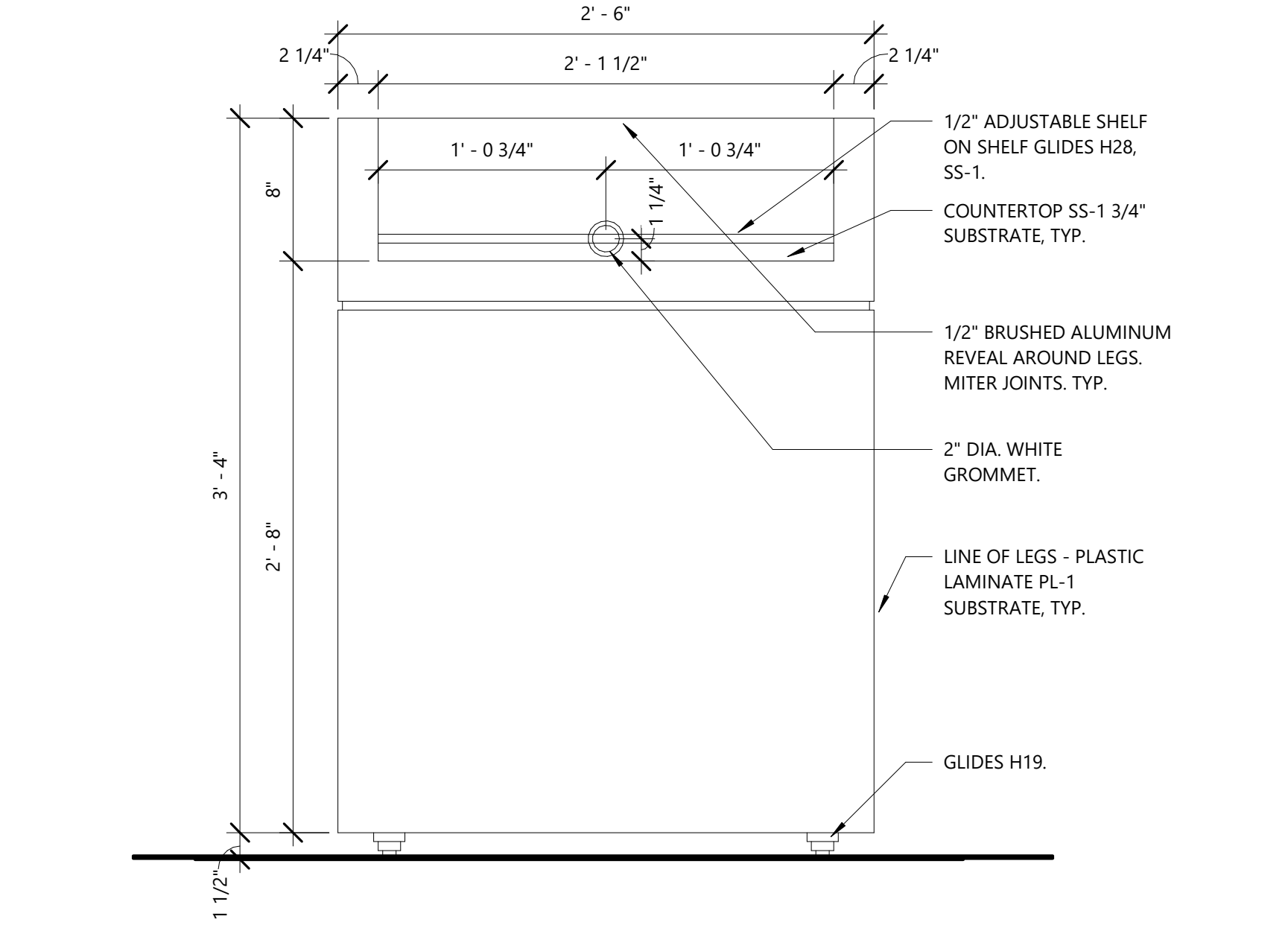
5 PERCH DETAIL SECTION
1 1/2" = 1'-0"



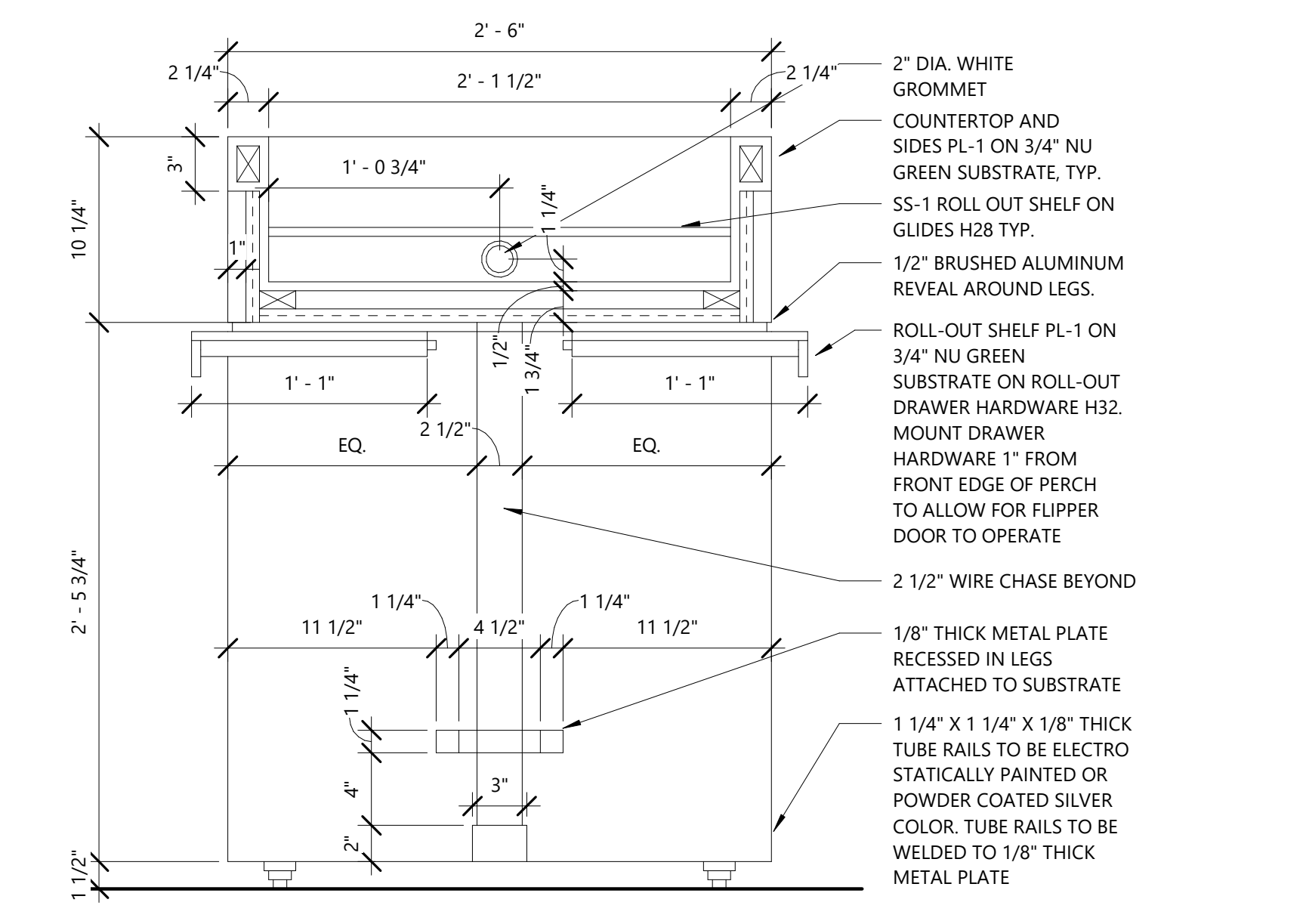
6 ASSOCIATE PERCH SECTION
1 1/2" = 1'-0"



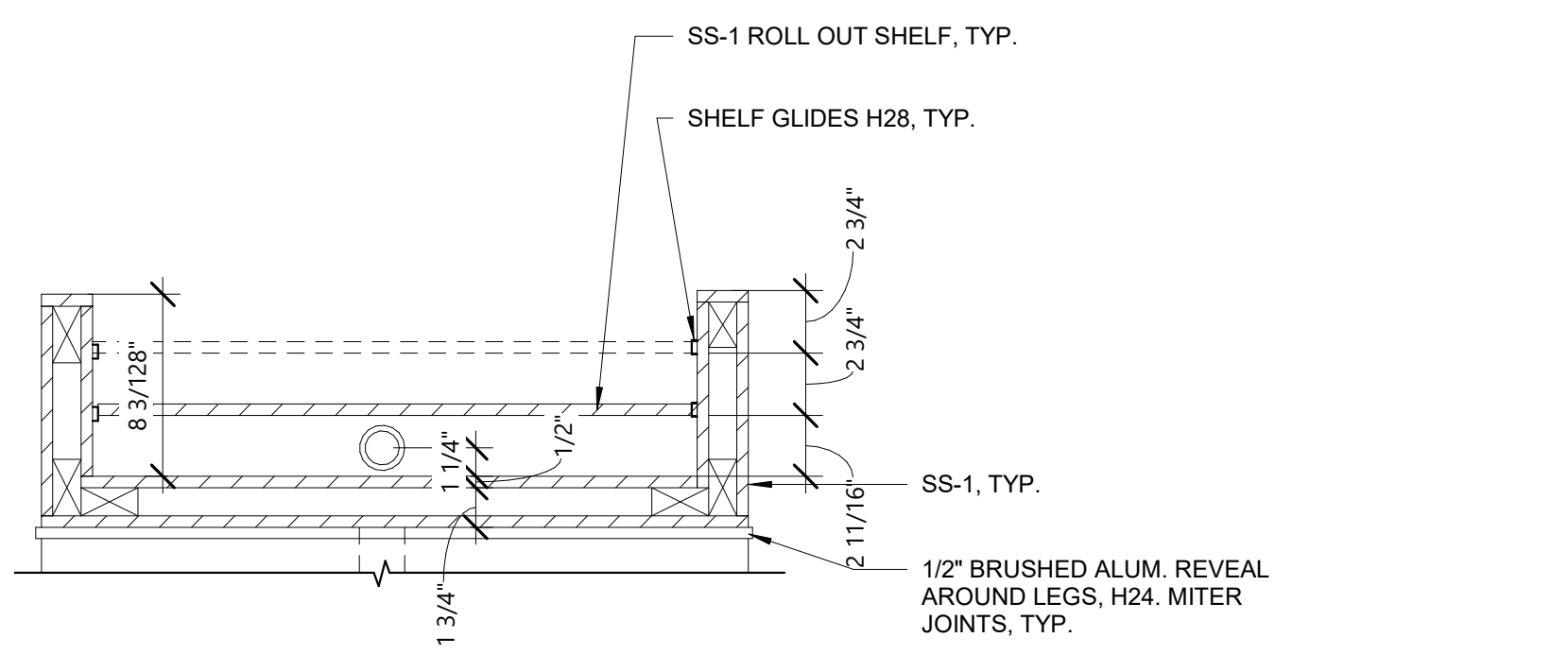
1 FLOOR PLAN - PERCH
1 1/2" = 1'-0"



4 PERCH ELEVATION - WEST
1 1/2" = 1'-0"



7 ASSOCIATE PERCH SECTION
1 1/2" = 1'-0"



8 PERCH DETAIL SECTION
1 1/2" = 1'-0"

HARDWARE SCHEDULE

H11	CPU BRACKET - DOUG MOCKETT CPUA BLACK FINISH BY MILLWORKER NOTE: PNC PM SHALL VERIFY WITH CDS PRIOR TO MILLWORK FABRICATION TYPE OF BRACKET TO BE USED. BRACKET MAY NOT BE NEEDED PENDING CDS' EQUIPMENT DETERMINATION.
H19	GLIDES - MOMASTER CARR - BALL TRANSFER #64GOK45
H20	TOT-LOK MAGNETIC LOCK BY REV A SHELF, MODEL #RTL13401-R BY MILLWORKER
H21	HINGE - 90 DEGREE FLAP HINGE WITH 35 MM CUP BY GRASS AMERICA INC. 210.735.04.0015 BY MILLWORKER
H24	3REVEAL - RICHELIEU - 1/2" X 1/8" FLAT BRUSHED ALUMINIUM MOLDING, #MRB59918M BY MILLWORKER
H28	SHELF GLIDES - 14" BLUM EPOXY SLIDE, WHITE
H32	DRAWER GLIDES - ACCURIDE, MODEL #3832EDO DETENT IN AND OUT VERTICAL DRAWER ADJUSTMENT CAM; FINISH: (C) CLEAR ELECTROPLATE OR EQUAL

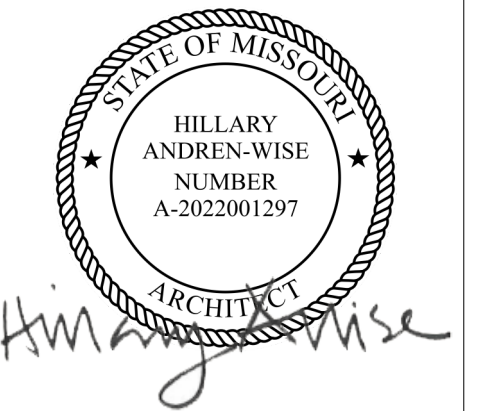


PROJECT TITLE:

**PNC MO LEE'S SUMMIT
GROUND UP BRANCH**

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: Checker
DRAWN BY: Author
DESIGNED BY: Designer

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:

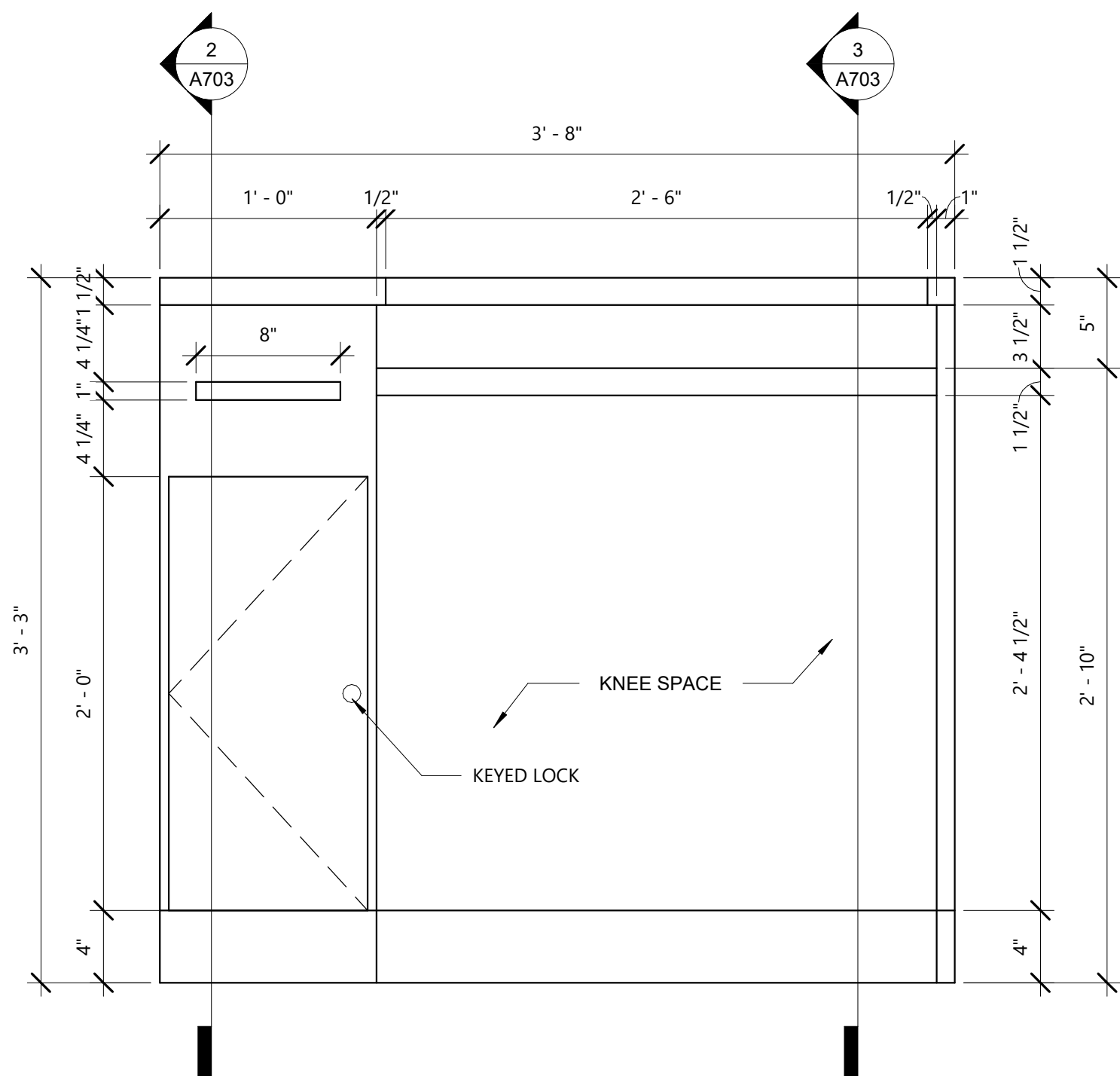
**CHECK WRITING
DETAILS**

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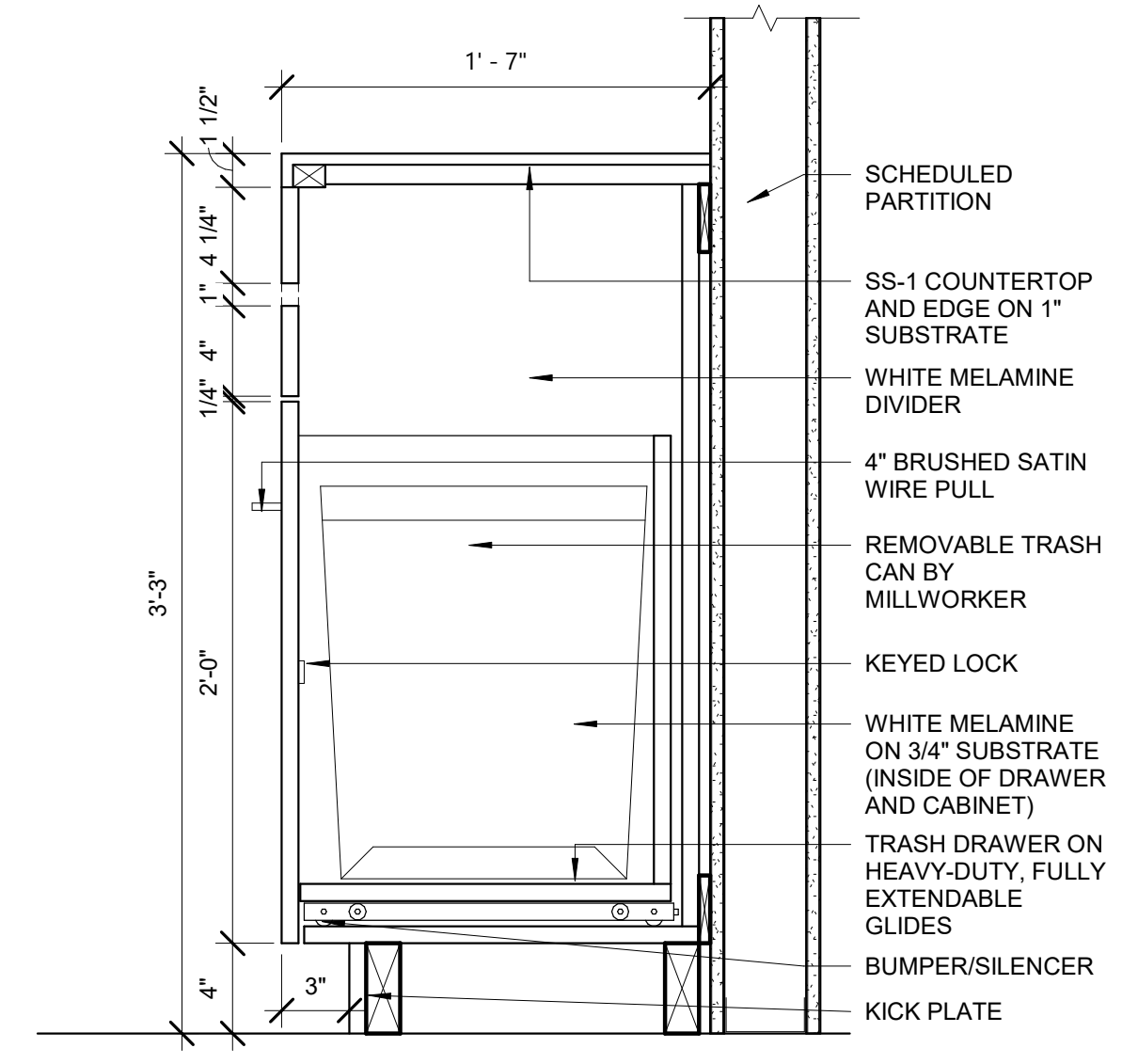
A703

PROJECT STATUS:

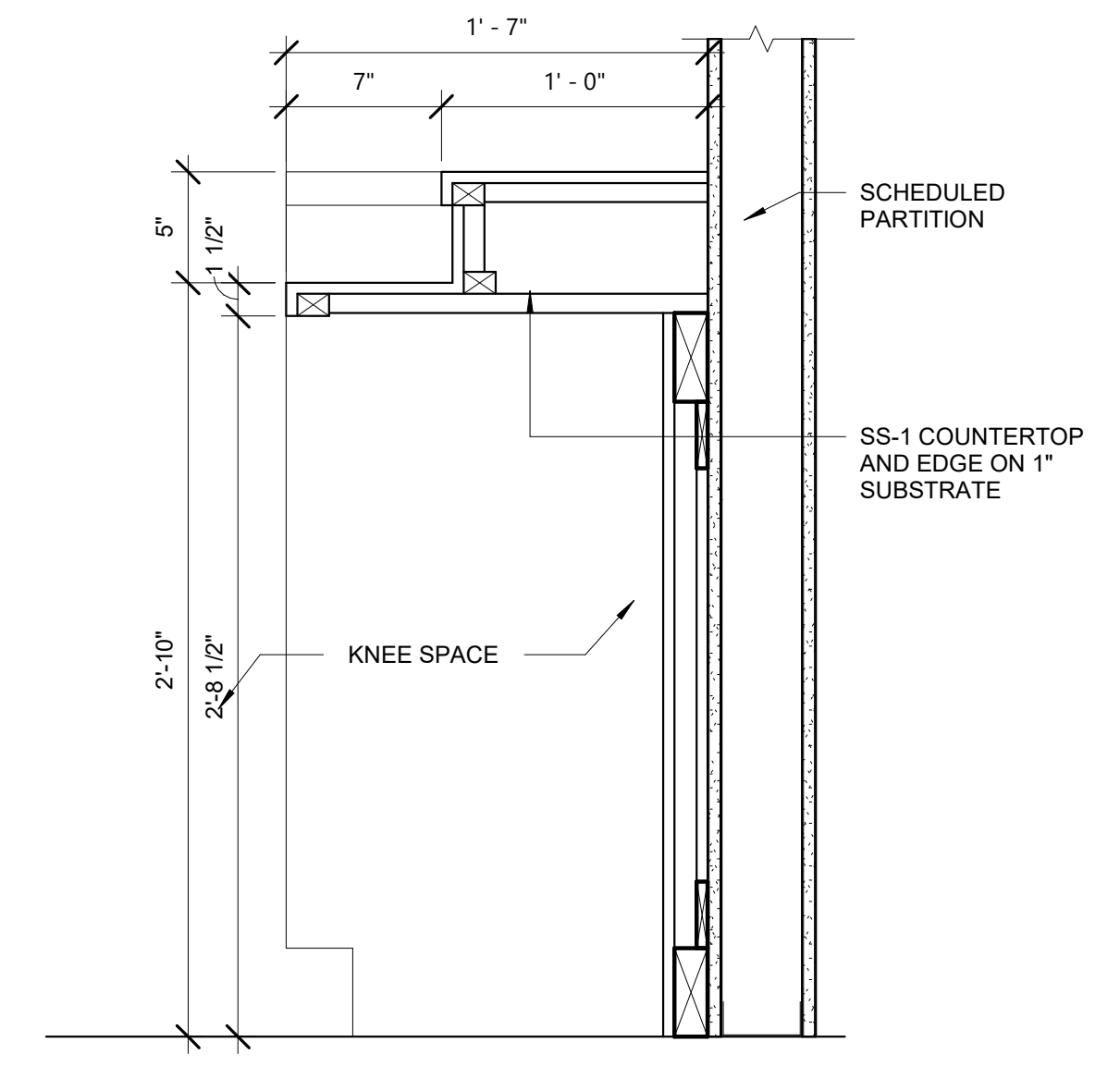
PERMIT DOCUMENTS



1
A703
1 1/2" = 1'-0"



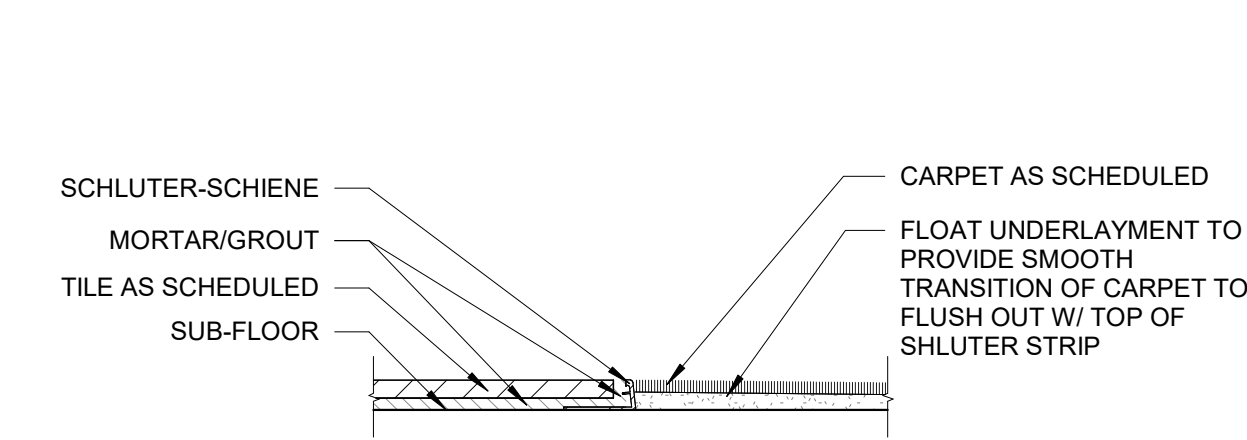
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A703
1 1/2" = 1'-0"



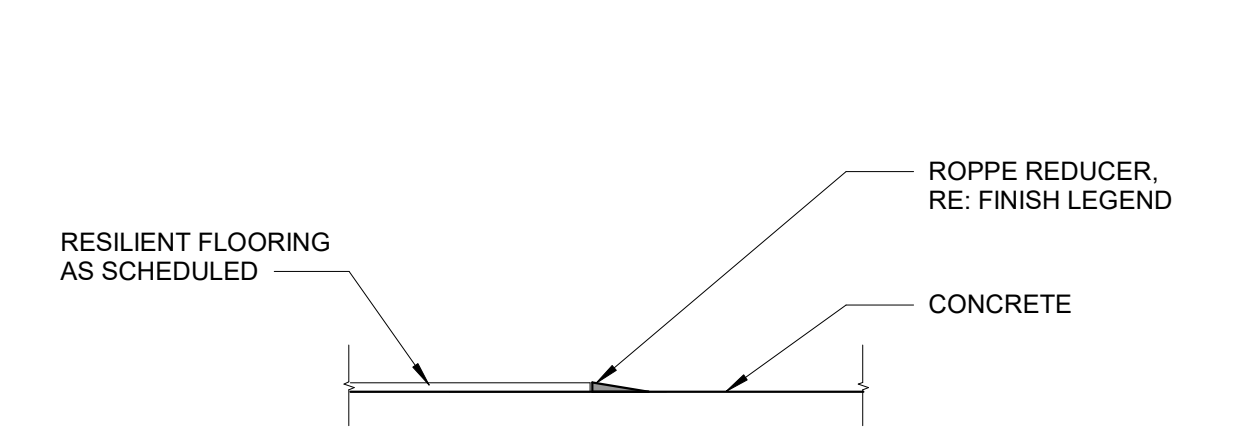
3
A703
1 1/2" = 1'-0"

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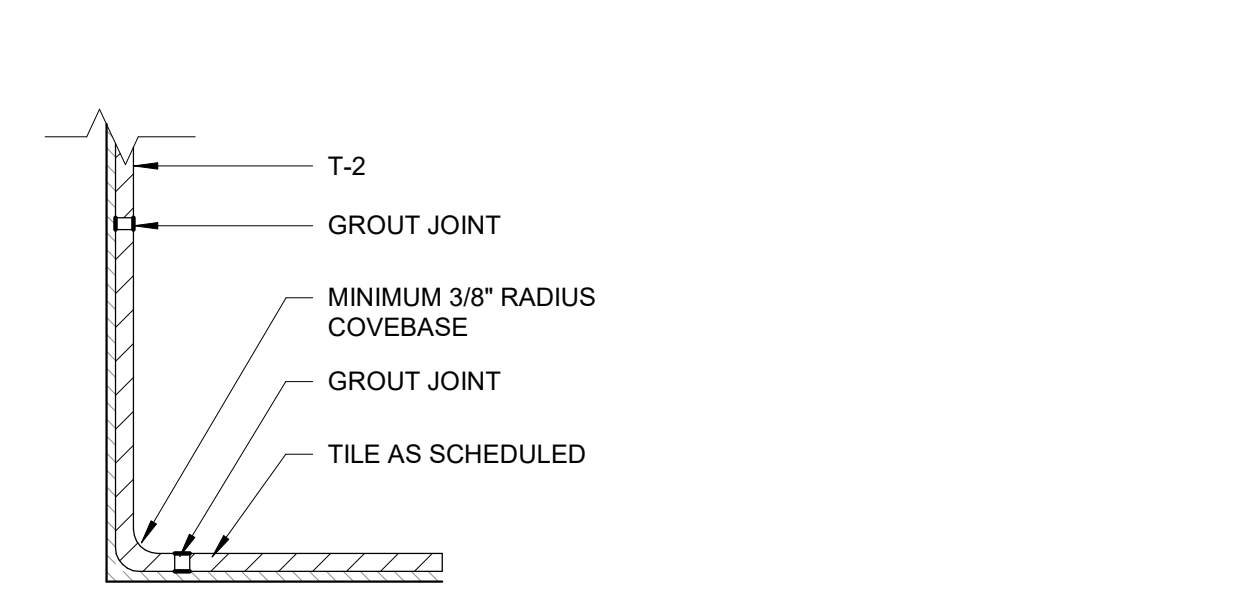
1 TS-1 VCT TO CARPET
ID100 3" = 1'-0"



2 TS-2 TILE TO CARPET
ID100 3" = 1'-0"



3 TS-3 FLOORING TO CONCRETE
ID100 3" = 1'-0"



4 TB-1 TILE BASE
ID100 3" = 1'-0"



INTERIOR FINISH LEGEND							
FINISH	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	SIZE	COMMENTS	
FLOORS							
CPT-1	CARPET TILE	INTERFACE	NIMBUS		25CM X 1M	INSTALLATION: ASHLAR	
CPT-2	CARPET TILE	BENTLEY MILLS	BUZZ WORTHY	MONEY MAKER 400590	24" X 24"	INSTALLATION: PARQUET, BACKING: AFIRMA HARD BACK, FLOORING CONTRACTOR TO ENSURE SMOOTH TRANSITION BETWEEN TWO CARPETS	
CPT-3	CARPET TILE	INTERFACE	STEP REPEAT SR899	GRANITE 104939	50CM X 50CM	INSTALLATION: MONOLITHIC	
CPT-4	CARPET TILE	INTERFACE	STEP REPEAT SR699	IRON 104932	50CM X 50CM	INSTALLATION: MONOLITHIC	
T-1	PORCELAIN FLOOR TILE	DALTILE	PORTFOLIO	IRON GREY PF06	24" X 24"	INSTALLATION: STRAIGHT LAY, GROUT: BOSTIK, DELOREAN GRAY H160, JOINT WIDTH: 1/8", PROVIDE A WATERPROOF MEMBRANE BENEATH THE FINISH FLOOR SURFACE UP TO A HEIGHT OF 4" ALONG ALL WALLS	
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	PREMIUM EXCELON CROWN TEXTURE	STERLING 5C904	12" X 12"	INSTALLATION: STRAIGHT LAY	
SC-1	SEALED CONCRETE FLOOR	RUST-OLEUM	4700 SYSTEM ULTRAPLEX - ESD CONTROL COATING TYPE II STATIC DISSIPATIVE	NATURAL	-		
WALL BASE							
RB-1	RUBBER BASE	TARKETT	MILLWORK REVEAL	WHITE SAND 68	4.25" H		
RB-2	RUBBER BASE	TARKETT	DURACOVE	WHITE SAND 68	4"	PROVIDE TOELESS BASE AT CARPET, PROVIDE TOE (COVE) BASE AT RESILIENT FLOORING	
TB-1	TILE BASE	DALTILE	PORTFOLIO	IRON GREY PF06	6" X 12"	PROVIDE COORDINATING OUTCORNERS, GROUT: BOSTIK, DELOREAN GRAY H160, JOINT WIDTH: 1/8", SEE DETAIL: 4/ID100	
WB-1	WOOD BASE TO MATCH WD-1	-	-	-	3/8" THICK SOLID WOOD		
WALLS							
PT-1	GENERAL PAINT	BENJAMIN MOORE	-	CHANTILLY LACE 2121-70	-	WALL FINISH: EGGSHELL, DOOR & FRAME FINISH: SEMI-GLOSS, CEILING FINISH: FLAT, TOILET ROOM: ENAMEL PAINT	
PT-2	ACCENT PAINT	BENJAMIN MOORE	-	SEA HAZE 2137-50	-	WALL FINISH: EGGSHELL, DOOR & FRAME FINISH: SEMI-GLOSS	
PT-3	NOT USED	-	-	-	-	WALL FINISH: EGGSHELL, SEE ELEVATION 3/A402 FOR FURTHER DETAIL	
PT-4	EXPOSED CEILING PAINT	BENJAMIN MOORE	-	DEEP ROYAL 2061-10	-	FINISH: MATTE, TO BE USED ON ALL EXPOSED STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, ETC. IN MAIN LOBBY AREA. REFER TO RCP FOR MORE INFORMATION.	
PT-5	DOOR/ FRAME - DOOR 118	PPG	-	FIELD POPPY 125-7	-	FINISH: SEMI-GLOSS, SEE ELEVATION 2/A403 FOR LOCATION	
RP-1	RESIN PANEL	3-FORM	VARIA ECORESIN	SLANT - PURE	48" X 96"	FLAME POLISH ALL EDGES, FLOOR AND CEILING MOUNTED, PROVIDE 3-FORM FRAMELESS SUSPENDED PARTITION HARDWARE 200.08	
T-2	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC	ARTIC WHITE #0790	3" X 6"	FINISH: MATTE, SEE ELEVATIONS FOR INSTALLATION PATTERN, GROUT: BOSTIK TRUCOLOR-URETHANE WHITE H152, JOINT WIDTH: 1/8"	
T-2A	CERAMIC WALL TILE - BULLNOSE	DALTILE	COLOR WHEEL CLASSIC S4369MOD	ARTIC WHITE #0790	3" X 6" BULLNOSE	FINISH: MATTE, SEE ELEVATIONS FOR INSTALLATION PATTERN, GROUT: BOSTIK TRUCOLOR-URETHANE	
WC-1	CUSTOM WALLCOVERING	TECTONICS	"TYPO"	CUSTOM ORANGE	-	OWNER PROVIDED, CONTRACTOR INSTALLED, DRYWALL FINISH: LEVEL 5, USE TS-6 AT ALL EXPOSED EDGES	
WC-2	CUSTOM WALLCOVERING	-	"ABSTRACT"	CUSTOM GRAY	-	OWNER PROVIDED, CONTRACTOR INSTALLED, DRYWALL FINISH: LEVEL 5	
WC-3	FABRITRACK PANEL SYSTEM - WHISPSTONE TACKBOARD	CARNEGIE	XOREL METEOR 6427	722	56"W	PROVIDE SCRIM AS NEEDED TO PREVENT TRANSPARENCY TO SUBSTRATE; REFER TO FINISH PLAN AND SHEET A501 FOR MORE DETAIL.	
WC-4	ACOUSTIC WALL PANELS - ATM	CARNEGIE XOREL ARTFORM	CIRCLE 3D	METEOR 722	MEDIUM	REFER TO ELEVATION 3/A402 FOR FURTHER DETAIL	
WC-5	ACOUSTIC WALL PANELS - ATM	CARNEGIE XOREL ARTFORM	CIRCLE 3D	METEOR 2024	MEDIUM	REFER TO ELEVATION 3/A402 FOR FURTHER DETAIL	
WC-6	ACOUSTIC WALL PANELS - ATM	CARNEGIE XOREL ARTFORM	CIRCLE 3D	SEMBLANCE 4	MEDIUM	REFER TO ELEVATION 3/A402 FOR FURTHER DETAIL	
WD-1	WOOD PLANK	OHIO MADE OR EQUAL	PRE-FINISHED WHITE OAK PLANKS	FACTORY APPLIED SURFACE UV CURED URETHANE	5"W X 12" - 48"L	COMPOSITION: NATURAL WOOD VENEER LAMINATED ON 3-PLY RECYCLED MDF CORE, VENEER: CHARACTER GRADE, SLICED HARDWOOD, EDGE PROFILE: TONGUE AND GROOVE	
FCP-1	FIBER CEMENT PANEL	NICHIHA	VINTAGE WOOD - INTEGRATED FINISH	REDWOOD	17-7/8 H x 71- 9/16 L	USE MANUFACTURER'S RECOMMENDED ACCESSORIES FOR INTERIOR WALL INSTALLATION. REFER TO ELEVATION 2/A402 FOR MORE DETAIL.	
FCP-4	FIBER CEMENT PANEL	NICHIHA	KURASTONE SERIES STACKEDSTONE- INTEGRATED FINISH	MOUNTAIN	-	USE MANUFACTURER'S RECOMMENDED ACCESSORIES FOR INTERIOR WALL INSTALLATION. REFER TO ELEVATION 2/A402 FOR MORE DETAIL.	
FRP-1	FIBER REINFORCED PANEL	CRANE COMPOSITES	GLASBOARD	WHITE 83	48"H ABOVE WALL BASE	PROVIDE COORDINATING MOLDING AND TRIM	
PLY-1	FIRE TREATED PLYWOOD	-	-	-	3/4" THICK	INSTALL FLOOR TO CEILING, PAINT WITH (2) COATS OF FIRE RETARDANT PAINT, DO NOT PAINT OVER FIRE RETARDANT LABEL ON PLYWOOD, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION	
CEILING							
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG	ULTIMA 1912	WHITE	24" X 24"	GRID: SUPRAFINE XL 9/16"	
FCC-1	FIBER-CEMENT PANEL SYSTEM CEILING/SOFFIT	NICHIHA	VINTAGE WOOD - INTEGRATED FINISH	REDWOOD	17-7/8 H x 71- 9/16 L	USE MANUFACTURER'S RECOMMENDED ACCESSORIES FOR EXTERIOR CEILING, SOFFIT, AND INTERIOR WALL INSTALLATION. REFER TO ELEVATION RCP FOR MORE DETAIL.	
CLD-1	ACCENT SUSPENDED CLOUD	ARMSTRONG	INFUSIONS SHAPES 7156	SENSITIVE SHADOW	48" X 48"	PROVIDE MANUFACTURER'S RECOMMENDED HANGING CABLES; REFER TO RCP FOR HANGING HEIGHTS.	
CASEWORK							
PL-1	PLASTIC LAMINATE	WILSONART	-	NEW AGE OAK 7938-78	-	FINISH: FINEGRAIN 78	
PL-2	PLASTIC LAMINATE	FORMICA	-	DOVER WHITE 7197-90	-	FINISH: GLOSS 90	
PL-3	NOT USED	-	-	-	-		
PL-4	PLASTIC LAMINATE	NEVAMAR	JETT BLACK S6053T	-	-	FINISH: TEXTURED/ SUEDE	
SS-1	SOLID SURFACE	ARISTECH	STUDIO COLLECTION	COTTONWOOD K-16600	1/2" THICK	-	
WINDOW TREATMENTS							
WT-1	MANUAL ROLLER SHADE	DRAPER	FLEXSHADE SYSTEM	CLEAR ANODIZED	-		
TRANSITIONS							
TS-1	CARPET TO VCT	TARKETT	ADAPTOR	MEDIUM GRAY 28	-	GAUGE TO MATCH FLOORING THICKNESS, SEE DETAIL 1/ID100	
TS-2	CARPET TO TILE	SCHLUTER	SCHIENE	ANODIZED ALUMINUM	-	GAUGE TO MATCH FLOORING THICKNESS, SEE DETAIL 2/ID100	
TS-3	FLOORING TO SEALED CONCRETE	ROPPE	-	CHARCOAL 123	CONTRACTOR TO SELECT BASED ON FLOORING THICKNESS	PROFILE: REDUCER, SEE DETAIL 3/ID100	
TS-4	INTERIOR TO EXTERIOR	-	-	-	-	G.C. SHALL PROVIDE APPROPRIATE FLOORING TRANSITIONS AT EXTERIOR DOOR THRESHOLDS THAT COMPLY WITH ACCESSIBILITY CODES.	
TS-5	J MOLDING TRIM	FRY REGLET	STYLE: JDM-50	BUFFED SATIN STAINLESS STEEL	-		
TS-6	WALLCOVERING TRIM	FRY REGLET	WCTBT125-217	BUFFED SATIN STAINLESS STEEL	-		

INTERIOR FINISH SCHEDULE												
ROOM #	ROOM NAME	FLOOR FINISH	WALL BASE	WALL FINISHES				CEILING FINISH	CASEWORK FINISHES			COMMENTS
				NORTH	EAST	SOUTH	WEST		BASE	UPPER	TOP & SPLASH	
100	VESTIBULE	CPT-3	RB-1	PT-1	PT-1	PT-1	FCP-1, FCP-4	WD-2	-	-	-	-
101	ATM	CPT-3, CPT-4	RB-1	PT-1, PT-4, PT-2, WC-4, WC-5, WC-6	PT-1	PT-1	PT-1	WD-2	-	-	-	-
102	LOBBY	CPT-1	RB-1	PT-1, PT-2, WC-3	PT-1, WC-1	PT-1, PT-2, WC-3	PT-1	PT-4	-	-	-	-
103	CHAT LOUNGE	CPT-1, CPT-2	RB-1, WB-1	PT-1, PT-2, WC-3	PT-1	PT-1, PT-2, WC-3	PT-1, WD-1	PT-4	-	-	-	-
104	WAITING	CPT-1	RB-1	PT-1, PT-2, WC-3	PT-1	PT-1, PT-2, WC-3	PT-1	PT-4	-	-	-	-
105	GATHERING AREA	CPT-1	RB-1	PT-1, WT-1	PT-1	PT-1	PT-1	PT-4	-	-	-	-
106	COLLABORATION	CPT-1	RB-2	PT-1	PT-1	PT-1, WT-1	WC-2	ACT-1	-	-	-	-
107	CONFERENCE	CPT-1	RB-2	PT-1	WC-2	PT-1, WT-1	PT-1	ACT-1	-	-	-	-
108	BREAKOUT ROOM	CPT-1	RB-1	PT-1	PT-1	PT-1, WT-1	PT-2	ACT-1	-	-	-	-
109	FLEX	CPT-1	RB-2	PT-1	WC-2	PT-1	PT-1	ACT-1	-	-	-	-
110	BREAK ROOM	VCT-1	RB-2	PT-2	PT-1	PT-1, WT-1	PT-2	ACT-1	PL-1	PL-1	SS-1	PT-1
111	OFFSTAGE	CPT-1	RB-2	PT-1	PT-2	PT-1	PT-1	ACT-1	-	-	SS-1	PT-1
112	ELEC / IT ROOM	SC-1	RB-2	PT-1, PLY-1	PT-1, PLY-1	PT-1, PLY-1	PT-1, PLY-1	-	-	-	-	-
113	CORRIDOR	CPT-3	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	-	-	-	-
114	RESTROOM	T-1	TB-1	PT-1, T-2	T-2	PT-1	PT-1	ACT-1	-	PL-2	-	-
115	RESTROOM	T-1	TB-1	PT-1, T-2	PT-1	PT-1	PT-1, T-2	ACT-1	-	PL-2	-	-
116	JAN	VCT-1	RB-2	PT-1, FRP-1	PT-1	PT-1	PT-1, FRP-1	ACT-1	-	-	-	-
117	HUB	CPT-1	RB-2	PT-1, WT-1	PT-1	PT-1	WC-2	ACT-1	-	-	-	-
118	WORK ROOM	CPT-1	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	PL-1	PL-1	SS-1	PT-1
119	STORAGE	VCT-1	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	-	-	-	-

RS&H, Inc.
4522 S ULSTER STREET
SUITE 1100, DENVER, CO 80237
303-409-9700 FAX 303-409-9701
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MO LICENSE NOS. 2003019618 * 2003019636

PROJECT TITLE:
PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081

Hillary Andren-Wise

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: JW
DRAWN BY: RI
DESIGNED BY: RSH
PROJECT NUMBER: 524-0368-028
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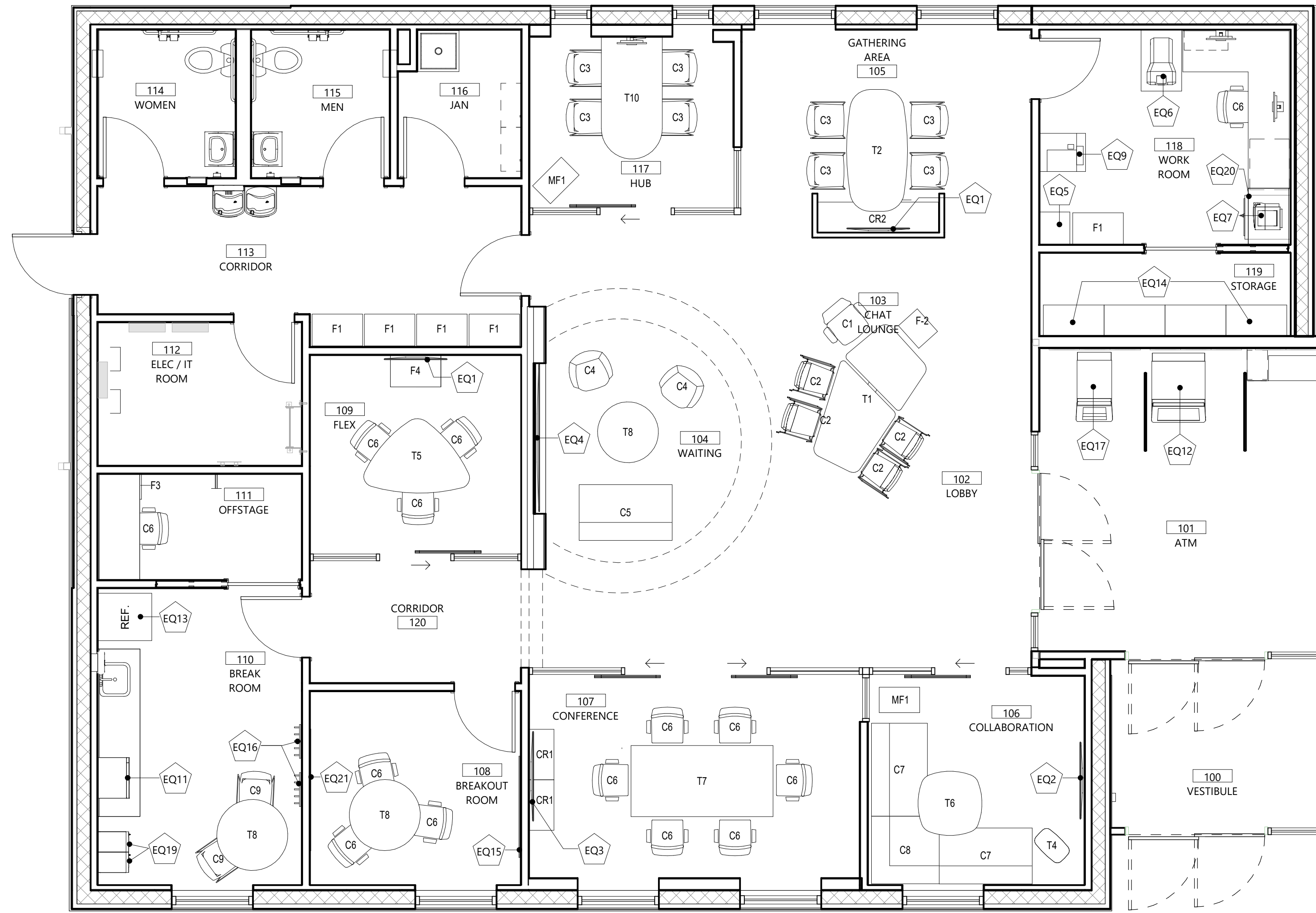
SHEET TITLE:
INTERIOR FINISH
SCHEDULE & LEGEND

SHEET ID:
ID100

PROJECT STATUS:
PERMIT DOCUMENTS

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T.N.

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

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PRODUCT MODEL	SIZE (WxHxD)	FURNISHED BY	INSTALLED BY	COMMENTS
EQ1	43" MONITOR	SAMSUNG	QM43R	-	OWNER	OWNER	ENERGY STAR COMPLIANT. MOUNTING HARDWARE PER VENDOR SPECIFICATIONS
EQ2	50" MONITOR	SAMSUNG	QM50R	-	OWNER	OWNER	ENERGY STAR COMPLIANT. MOUNTING HARDWARE AS PER VENDOR SPECIFICATIONS
EQ3	55" MONITOR	SAMSUNG	QM55R	-	OWNER	OWNER	ENERGY STAR COMPLIANT. MOUNTING HARDWARE AS PER VENDOR SPECIFICATIONS
EQ4	98" MONITOR	SAMSUNG	QM98N	86.39W X 49.21"H X 2.97"D	OWNER	OWNER	ENERGY STAR COMPLIANT. MOUNTING HARDWARE PER VENDOR SPECIFICATIONS
EQ5	SHRED TOTE	-	-	-	OWNER	OWNER	-
EQ6	ICI MACHINE	-	-	-	OWNER	OWNER	-
EQ7	MICRO PRINTER	-	-	-	OWNER	OWNER	-
EQ9	MULTIFUNCTION DEVICE	-	-	-	OWNER	OWNER	-
EQ11	MICROWAVE	WHIRLPOOL	WMC30516AW (WHITE)	21.75" X 13" X 17.25"	GC	GC	ENERGY STAR COMPLIANT. GC TO COORDINATE PURCHASING W/ PNC PM
EQ12	FREE STANDING ATM	HYOSUNG	-	-	OWNER	OWNER	-
EQ13	REFRIGERATOR (FULL HEIGHT)	WHIRLPOOL	WRT134TFDW (WHITE)	28" X 62.75" X 32.875"	OWNER	GC	ENERGY STAR COMPLIANT. G.C. TO COORDINATE PURCHASING W/ PNC PM
EQ14	FREESTANDING HEAVY DUTY SHELVING	HALLOWELL	HI-TECH OPEN TYPE (GRAY)	36" X 87" X 18"	OWNER	OWNER	-
EQ15	WHITEBOARD	CLARIDGE OR SIMILAR	-	4' X 6'	OWNER	OWNER	-
EQ16	COAT HOOKS	UMBRA	FLIP 5 WALL MOUNTED HOOK	20" X 2.65" X 1.25"	GC	GC	-
EQ17	FREE STANDING ATM	NCR	-	-	OWNER	OWNER	-
EQ19	3-TIER STEEL LOCKERS	PENCO PRODUCTS, INC.	VANGUARD 3-TIER	12"W X 15"D X 72"H	OWNER	OWNER	3-TIER W/FLAT TOPS AND 6" LEGS. BUILT IN COBO LOCK & (1) CONTROL KEY
EQ20	SAFE	-	-	-	OWNER	OWNER	-
EQ21	CORKBOARD	CLARIDGE OR SIMILAR	-	3' X 5'	OWNER	OWNER	MOUNT CORKBOARD OFFSET ON WALL SO IT DOES NOT INTERFERE WITH DOOR WHEN IT IS AT 90 DEGREES

FURNITURE SCHEDULE

KEY	MANF.	PRODUCT	FINISH
C1	HAWORTH	FERN TASK CHAIR	HAWORTH, BRISA COLOR: ASH
C2	HAWORTH	VERY CONFERENCE STOOL	SEAT & BACK: BIG DIAGONAL - AMBER; SHELL: SLATE; TRIM: BLACK; FRAME: GUNMETAL
C3	HAWORTH	VERY WIRE STOOL	SEAT: BRISA COLOR: ASH, BACK: LUNA TEXTILES, LINEN COLOR: APRICOT, POLY SHELL: FOG, BASE: CHROME
C4	HAWORTH	POPPY GUEST SEATING	BACK: ENGLISH TWEED COLOR: OXFORD, SEAT: WELLINGTON COLOR: XJ-ST STORM, BASE: CLEAR ON WHITE OAK
C5	HAWORTH	RIVERBEND LOUNGE SEATING - HIGH BACK 55W	BACK: DOTS COLOR: MIST, SEAT: BRISA COLOR: CAMBRIDGE, TRIM: ARGENT
C6	HAWORTH	VERY TASK CHAIR	SEAT: BRISA COLOR: CAMBRIDGE, MESH BACK: FOG, TRIM: FOG, FRAME: METALLIC SILVER, BASE: METALLIC SILVER
C7	HAWORTH	RIVERBEND LOUNGE SEATING - MID BACK 55W	BACK: DOTS COLOR: MIST, SEAT: BRISA COLOR: CAMBRIDGE, TRIM: ARGENT
C8	HAWORTH	RIVERBEND LOUNGE SEATING - MID BACK CORNER	BACK: DOTS COLOR: MIST, SEAT: BRISA COLOR: CAMBRIDGE, TRIM: ARGENT
C9	HAWORTH	VERY WIRE SIDE CHAIR	SEAT/BACK: FOG, LEGS: CHROME
CR1	HAWORTH	X SERIES 2H LATERAL FILE - 36"W x 19"D	TOP: NEW AGE OAK, BASE: GRAPHITE
CR2	HAWORTH	A SERIES CREDENZA & PATTERNS WORKWALL	TOP/BASE: NEW AGE OAK H-KC, WORKWALL COLOR: LINEN
F1	HAWORTH	X SERIES 4H, COMBO UNIT	TOP: NEW AGE OAK H-KC, BASE: GRAPHITE
F3	HAWORTH	X SERIES FIXED PEDESTAL, BBF - 15"W x 24"D	J-PULL, TOP/BASE: LINEN
F4	HAWORTH	X-SERIES LATERAL FILE; 2H COMBO UNIT W/LAMINATE TOP	TOP: KONA BLEND; BASE: GRAPHITE
MF1	HAWORTH	X SERIES - 15"W x 24"D	TOP: HBF TEXTILES; MODERN TWEED COLOR: LIPSTICK, BASE: GRAPHITE
T1	HAWORTH	ASYMMETRICAL TABLE DESK SUITE	LOW TOP: NEW AGE OAK H-KC, HIGH TOP: CUSTOM ORANGE BACK PAINTED GLASS, BASE: GRAPHITE
T2	HAWORTH	PATTERNS/A SERIES PEBBLE TABLE	TOP: NEW AGE OAK H-KC, BASE: GRAPHITE
T4	HAWORTH	PIP TABLE	TOP: COM ACCENT ORANGE, BASE: GRAPHITE
T5	HAWORTH	SUITE PEBBLE TABLE, "GUITAR PICK"- 44" x 63"	TOP: NEW AGE OAK CUT, BASE: GRAPHITE
T6	HAWORTH	PLANES PEBBLE TABLE - 42" X 42"	TOP: NEW AGE OAK H-KC, BASE: GRAPHITE
T7	HAWORTH	PLANES CONFERENCE TABLE - RECTANGULAR 42"W X 84"L	TOP: NEW AGE OAK H-KC, LEGS: METALLIC SILVER
T8	HAWORTH	PLANES ROUND TABLE - 42"	TOP: NEW AGE OAK H-KC, BASE: GRAPHITE
T10	HAWORTH	CONVERGENT WORKSURFACE PLANES TABLE BASE	TOP: NEW AGE OAK H-KC, BASE: GRAPHITE

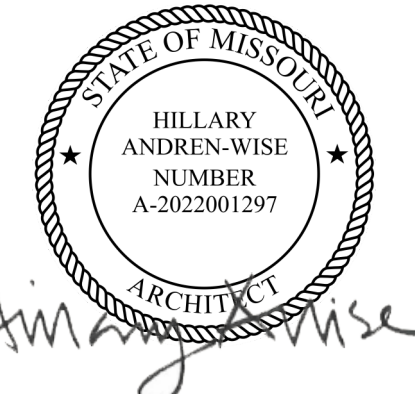


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 MO LICENSE NOS. 2003019618 * 2003019636



PROJECT TITLE:
**PNC MO LEE'S SUMMIT
 GROUND UP BRANCH**

PROJECT ADDRESS:
 LEE'S SUMMIT, MO
 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
 REVIEWED BY: JW
 DRAWN BY: RI
 DESIGNED BY: RSH

PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
FFE PLAN

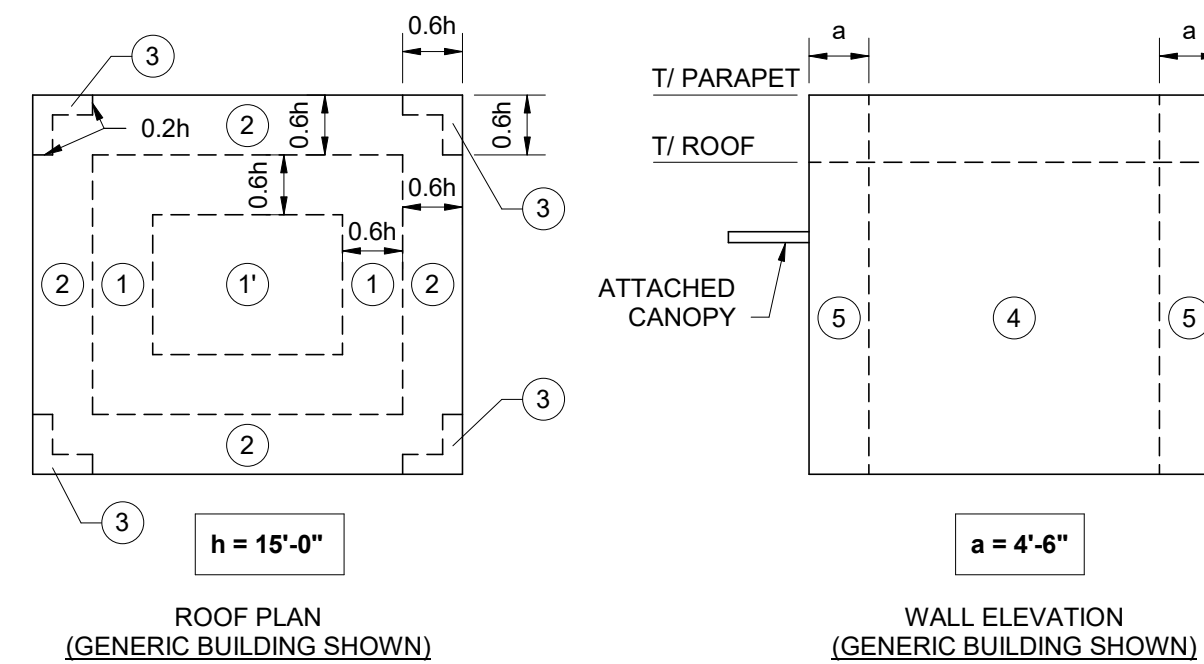
SHEET ID:
ID300

PROJECT STATUS:
 PERMIT DOCUMENTS

GENERAL STRUCTURAL NOTES

DESIGN CRITERIA:

- ALL WORK TO CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE.
- LIVE LOADS:
ROOFS 20 PSF
- SNOW LOADS (ASCE 7-16):
GROUND SNOW LOAD $P_g = 20$ PSF
FLAT ROOF SNOW LOAD $P_f = 14$ PSF
SNOW EXPOSURE FACTOR $C_e = 1.0$
SNOW LOAD IMPORTANCE FACTOR $I_s = 1.0$
THERMAL FACTOR $C_t = 1.0$
DRIFT SURCHARGE LOAD $P_d = 30.6$ PSF
WIDTH OF SNOW DRIFT $w = 7'-5"$
- RAIN LOADS:
INTENSITY 7.5 IN/HR (15 MINUTE - 100 YEAR)
DESIGN RAIN LOAD 26 PSF
- SEISMIC DESIGN DATA (ASCE 7-16):
SEISMIC IMPORTANCE FACTOR $I_p = 1.00$
MAPPED SPECTRAL RESPONSE ACCELERATIONS $S_a = 0.099$ & $S_1 = 0.068$
SITE CLASSIFICATION D
SPECTRAL RESPONSE COEFFICIENTS $R = 2$
SEISMIC DESIGN CATEGORY B
ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC-FORCE-RESISTING SYSTEM ORDINARY REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT $C_d = 0.053$
SEISMIC RESPONSE COEFFICIENT $V = 13.8$ KIPS
DESIGN BASE SHEAR
- WIND DESIGN DATA (ASCE 7-16):
ULTIMATE DESIGN WIND SPEED, V_{ult} (3-SECOND GUST) 109 MPH
NOMINAL DESIGN WIND SPEED, V_{nom} (3-SECOND GUST) 84 MPH
BUILDING RISK CATEGORY II
WIND EXPOSURE C
INTERNAL PRESSURE COEFFICIENT $+/- 0.18$
COMPONENTS AND CLADDING: WALLS, WINDOWS & DOORS SEE CHART & DIAGRAMS BELOW
ROOFS & ATTACHED CANOPIES SEE CHART & DIAGRAMS BELOW



COMPONENTS AND CLADDING ULTIMATE WIND PRESSURE (PSF)						
ROOFS						
ZONE	EFFECTIVE WIND AREA (SF)					
	≤ 10	20	50	100	200	≥ 1000
1	-23.7	-23.7	-23.7	-23.7	-20.4	-16.0
2	-41.3	-38.7	-34.9	-32.3	-29.4	-25.9
3	-54.5	-51.0	-46.4	-42.9	-39.3	-34.7
ALL ZONES	16.0	16.0	16.0	16.0	16.0	16.0
WALLS, WINDOWS AND DOORS						
ZONE	EFFECTIVE WIND AREA (SF)					
	≤ 10	20	50	100	200	≥ 500
4	-25.7	-24.7	-23.3	-22.2	-21.2	-19.8
5	-31.6	-29.5	-26.7	-24.7	-22.5	-19.8
ALL ZONES	23.7	22.7	21.4	20.2	19.2	17.8
ATTACHED CANOPIES						
LOCATION	EFFECTIVE WIND AREA (SF)					
	≤ 10	50	≥ 100			
UPPER SURFACE ONLY	-24.2	-20.8	-16.5			
	17.6	16.0	16.0			
LOWER SURFACE ONLY	-17.6	-16.1	-16.0			
	17.6	16.0	16.0			
NET PRESSURE W/ SIMULTANEOUS UPPER & LOWER SURFACES	-19.8	-17.3	-16.0			
	19.8	17.3	16.0			

- NOTES:**
- EDGE ZONE (a) IS DISTANCE FROM CORNERS OF BUILDING AND IS SHOWN ON GENERIC BUILDING DIAGRAMS ABOVE.
 - POSITIVE AND NEGATIVE SIGNS SIGNIFY PRESSURES ACTING TOWARDS AND AWAY FROM THE BUILDING SURFACES, RESPECTIVELY.
 - FOR EFFECTIVE AREAS BETWEEN VALUES GIVEN, INTERPOLATION MAY BE USED. OTHERWISE USE THE LOWER EFFECTIVE AREA.
 - PRESSURES SHOWN ARE ULTIMATE PRESSURES. MULTIPLY BY 0.6 FOR NOMINAL PRESSURES.
 - CALCULATE NET UPLIFT PRESSURES USING ASCE 7 LOAD COMBINATIONS: $0.6D+0.6W$ (ASD) OR $0.9D+W$ (LRFD)

GENERAL:

- THIS STRUCTURAL DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS, AS AN INSTRUMENT OF SERVICE, ARE INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY RS&H, INC. (RS&H) SHALL BE WITHOUT LIABILITY TO RS&H.
 - IT IS UNDERSTOOD THAT THE STRUCTURAL ENGINEER OF RECORD MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS, OPINION, OR PROFESSIONAL ADVICE, EXCEPT THAT THESE DOCUMENTS HAVE BEEN PREPARED IN ACCORDANCE WITH THE CURRENT GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRACTICES.
 - NOTES ON THIS AND THE FOLLOWING SHEETS ARE PART OF THE PROJECT REQUIREMENTS BUT ARE NOT INTENDED TO REPLACE THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF THE SPECIFICATIONS AND THESE SHEETS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
 - ALL STRUCTURAL MEMBERS SHOWN HEREIN HAVE BEEN DESIGNED FOR THE FINAL DESIGN LOADS PROVIDED IN THIS DOCUMENT IN THE FINAL ERECTED CONDITION SHOWN HEREIN. THE CONTRACTOR IS RESPONSIBLE FOR CONDITIONS ENCOUNTERED DURING ERECTION AND HANDLING, AND NECESSARY TEMPORARY BRACING AND SHORING. SHORING AND BRACING SHALL BE DESIGNED TO PRECLUDE ANY STRUCTURAL ELEMENT FROM BEING OVERSTRESSED AT ANY POINT DURING CONSTRUCTION.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON JOB SITE WITH COMPLETE SET OF LATEST DRAWINGS. NOTES AND DIMENSIONS SHALL BE CHECKED AND VERIFIED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK SO THAT PROPER REMEDIAL WORK CAN BE EXECUTED.
 - CONTRACTOR SHALL REFER TO THE ENGINEER FOR INSTRUCTION FOR ANY DIMENSION NOT GIVEN OR OBTAINABLE FROM THE DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSIONS SHOWN ON THESE DRAWINGS.
 - SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR OPENINGS, SLEEVES, ETC. NOT SHOWN ON STRUCTURAL DRAWINGS. ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH THE EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.
 - DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN FOR SIMILAR CONDITIONS AND MATERIAL.
- FOUNDATIONS:**
- GEOTECHNICAL REPORT BY: COOK, FLATT & STROBEL ENGINEERS, P.A. REPORT NO.: 21-5937 JANUARY 7, 2022
 - ALLOWABLE BEARING PRESSURE = 2,500 PSF
 - MINIMUM FROST EMBEDMENT DEPTH = 36"
 - ACCORDING TO THE GEOTECHNICAL REPORT, IT IS ANTICIPATED THAT THE FOUNDATIONS WILL BEAR ON SHALE BEDROCK. HOWEVER, FAT CLAYS WERE ENCOUNTERED IN BORINGS TAKEN FROM OTHER LOCATIONS ON THE SITE. AS STATED IN THE REPORT, THE BUILDING SHALL HAVE UNIFORM BEARING MATERIAL SUPPORTING THE ENTIRETY OF THE FOUNDATION SYSTEM. IF OVER-EXCAVATION IS REQUIRED TO ACHIEVE UNIFORM BEARING, BACKFILL OF THE FOOTINGS SHOULD BE DONE WITH LEAN CONCRETE. REFERENCE THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
 - SLAB-ON-GRADE SHALL BEAR ON MINIMUM 24" OF LOW VOLUME CHANGE MATERIAL, INCLUDING 4" LAYER OF OPEN GRADED STONE (ASTM C33 OR EQUIVALENT MATERIAL) BELOW SLAB-ON-GRADE. REFERENCE THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
 - PREPARE SITE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
 - FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
 - COMPACT SOIL / FILL UNDER FOOTINGS AND SLABS TO A MINIMUM 95% MODIFIED PROCTOR DRY DENSITY ACCORDING TO ASTM D1557.
 - AN INDEPENDENT TESTING AGENCY SHALL INSPECT AND VERIFY COMPACTION OF ALL SUBGRADES AND FILL MATERIALS BEFORE FURTHER CONSTRUCTION WORK IS PERFORMED.
 - IF FOOTINGS SHOWN OCCUR IN A DISTURBED, UNSTABLE OR UNSUITABLE SOIL CONTACT THE ENGINEER OF RECORD BEFORE PROCEEDING WITH WORK.

CAST-IN-PLACE CONCRETE:

- ALL CONCRETE SHALL BE DESIGNED PER ACI 318-14.
 - ALL CONCRETE SHALL BE DESIGNED BY AN APPROVED LABORATORY, AND THE DESIGN MIX SHALL SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO USE.
- | LOCATION | STRENGTH (f _c) @ 28 DAYS |
|--------------------|--------------------------------------|
| FOUNDATIONS | 4,000 PSI |
| SLAB-ON-GRADE | 4,000 PSI |
| TIE BEAMS | 4,000 PSI |
| ALL OTHER CONCRETE | 4,000 PSI |
- ALL CONCRETE SHALL BE NORMAL WEIGHT.
 - NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF SLEEVES, MOULDS, FLOOR HINGES, ETC. TO BE CAST INTO THE CONCRETE.
 - EMBEDDED ITEMS THAT WILL SUPPORT STRUCTURAL STEEL CONSTRUCTION SHALL BE PLACED WITHIN THE TOLERANCES PRESCRIBED IN THE LATEST EDITION OF THE AISC "CODE OF STANDARD PRACTICE." FIELD VERIFY LOCATION OF EMBEDDED ITEMS PRIOR TO FABRICATION AND DELIVERY OF STRUCTURAL STEEL TO THE PROJECT SITE.
 - ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE.
- PARAPET WIND APPLICATION DIAGRAM**
-
- Diagram showing windward and leeward parapets with zones 2, 3, 4, and 5. Wind direction is shown by arrows. Note: *SEE WIND DESIGN NOTE 2 FOR (+) OR (-) PRESSURE BASED ON ARROW DIRECTION SHOWN.

REINFORCING STEEL:

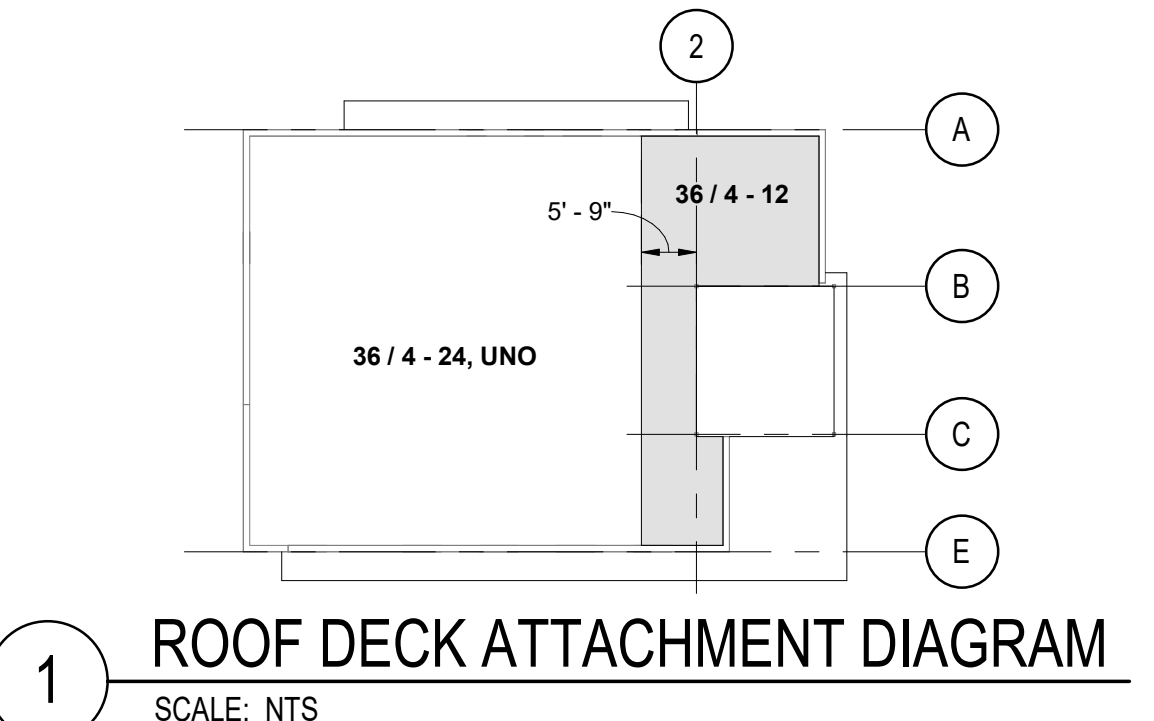
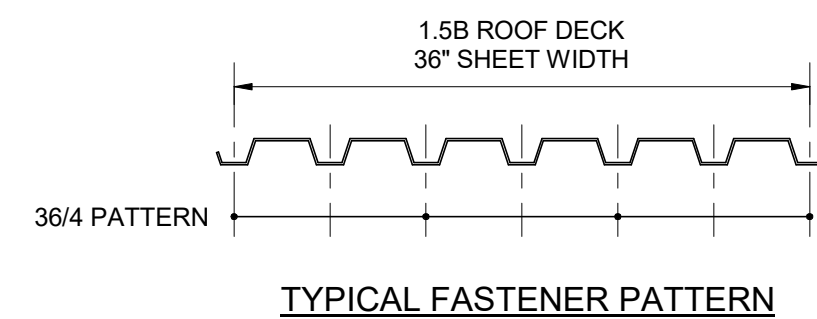
- ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- WHERE WELDING IS REQUIRED, REINFORCING STEEL SHALL BE ASTM A706, GRADE 60, AND SHALL BE WELDED WITH E80 ELECTRODES.
- ALL WELDED WIRE REINFORCING SHALL BE ASTM A1064.
- SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE CLASS B TENSION LAP SPLICES, UNLESS NOTED OTHERWISE. REFER TO CONCRETE TENSION LAP SPLICE SCHEDULE.
- MINIMUM LAP OF WELDED WIRE FABRIC REINFORCING SHALL BE ONE FULL MESH SIZE PLUS 2", OR A LAP OF 6", WHICHEVER IS GREATER.
- CONCRETE REINFORCING SHALL HAVE THE FOLLOWING MINIMUM CLEAR COVER, UNLESS NOTED OTHERWISE:
FOOTINGS 3" BOTTOM & SIDES, 2" TOP
SLAB-ON-GRADE 2" FROM TOP
TIE BEAMS 1 1/2"
- DETAILING OF REINFORCING SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE ACI DETAILING MANUAL AND THE LATEST EDITION OF THE CRSI "MANUAL OF STANDARD PRACTICE."
- ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH THE CRSI "MANUAL OF STANDARD PRACTICE" DURING PLACING OF CONCRETE.
- PROVIDE CORNER REINFORCING TO MATCH HORIZONTAL REINFORCING AT ALL CORNERS OF CONTINUOUS FOOTINGS, BOND BEAMS AND TIE BEAMS.
- ALL HOOKS IN REINFORCING BARS SHALL BE ACI STANDARD 90-DEGREE HOOKS WITH EMBEDMENT INTO CONCRETE GREATER THAN OR EQUAL TO THE DEVELOPMENT LENGTH (L_d) FOR STANDARD 90-DEGREE HOOKS, UNLESS NOTED OTHERWISE. REFER TO THE DEVELOPMENT LENGTH (L_d) SCHEDULE.
- DOWELS FROM FOUNDATIONS OR SLABS TO WALLS SHALL MATCH WALL REINFORCING, UNLESS NOTED OTHERWISE. DOWELS SHALL BE PLACED BEFORE CONCRETE IS POURED AND SHALL NOT BE PUSHED INTO THE CONCRETE.

STEEL JOISTS:

- ALL DESIGN, FABRICATION AND ERECTION OF STEEL JOISTS AND BRIDGING SHALL BE IN STRICT ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI):
SJI-100-15 44TH EDITION STANDARD SPECIFICATION LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS K-SERIES, LH-SERIES, DHL-SERIES, JOIST GIRDERS.
- DESIGN STEEL ROOF JOISTS FOR NET UPLIFT FORCES PER WIND DESIGN DATA. A DEAD LOAD OF 10 PSF SHALL BE USED IN THE APPROPRIATE LOAD COMBINATION TO CALCULATE NET UPLIFT PRESSURES.
- PROVIDE SPECIAL SLOPED SEATS IF INDICATED ON DRAWINGS OR AS REQUIRED FOR SLOPED JOIST APPLICATIONS.
- PROVIDE HORIZONTAL TOP AND BOTTOM CHORD BRIDGING AND X-BRIDGING PER STEEL JOIST INSTITUTE SPECIFICATIONS.
- PROVIDE UPLIFT BRIDGING AS REQUIRED TO MEET STEEL JOIST INSTITUTE SPECIFICATIONS.

STEEL DECK:

- ROOF DECK SHALL BE 1 1/2", 22 GAGE, WIDE RIB TYPE "B" GALVANIZED STEEL ROOF DECK WITH THE MINIMUM DECK PROPERTIES AS FOLLOWS:
 $t = 0.0295$ in
 $I_x = 0.155$ in⁴
 $I_y = 0.183$ in⁴
 $S_x = 0.186$ in³
 $S_y = 0.192$ in³
- INSTALLATION OF FASTENERS SHALL BE PER MANUFACTURER'S STANDARD INSTALLATION INSTRUCTIONS. PROVIDE THE FOLLOWING:
AT SUPPORTS (≤ 3/8" THICK): HILTI X-HSN 24
AT SUPPORTS (> 1/4" THICK): HILTI X-EMP-19 L15
AT SIDELAPS: HILTI SLC 01 HW/H
- DECK ATTACHMENT DESIGNATION:
 $36 / X - XX$
SPACING OF SIDELAP FASTENERS
NUMBER OF SUPPORT FASTENERS PER SHEET
SHEET WIDTH
- SEE ATTACHMENT DIAGRAM BELOW.
- FASTEN DECK AT ALL EDGE SUPPORTS AT 6" OC.
- ALL DECK SHALL BE ERECTED AS THREE SPAN CONTINUOUS, UNLESS NOTED OTHERWISE.



STRUCTURAL STEEL:

- STRUCTURAL STEEL SHALL BE DESIGNED PER AISC 360-16. MATERIALS SHALL BE AS FOLLOWS:
WIDE FLANGED SHAPES ASTM A992, F_y = 50 KSI
HSS SHAPES (RECT) ASTM A500 GRADE C, F_y = 50 KSI
ALL OTHER STEEL ASTM A36, F_y = 36 KSI
- ALL BOLTS SHALL BE 3/4" Ø ASTM A325N AND SHALL BE SNUG TIGHTENED, UNLESS NOTED OTHERWISE.
- ALL ANCHOR RODS SHALL BE ASTM F1554 GRADE 36, UNLESS NOTED OTHERWISE.
- ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS AND SHALL CONFORM TO ANSIAIWS D1.1.
- MINIMUM SIZE OF ALL FILLET WELDS SHALL CONFORM TO TABLE J2.4 OF AISC SPECIFICATIONS EVEN IF SHOWN OTHERWISE ON ARCHITECTURAL, MECHANICAL, OR STRUCTURAL DRAWINGS.
- STRUCTURAL STEEL NOT ENCASED IN CONCRETE OR MASONRY SHALL BE SHOP PAINTED AS SPECIFIED. ANY ABRASIONS SHALL BE TOUCHED UP AFTER ERECTION.
- STRUCTURAL STEEL EXPOSED TO WEATHER IN FINISHED STRUCTURE, OR WHERE NOTED ON PLANS, SHALL BE HOT DIP GALVANIZED PER ASTM A123.
- FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO START OF FABRICATION. FABRICATION SHALL CONFORM TO AISC SPECIFICATIONS.
- STRUCTURAL GROUT FOR STEEL COLUMNS SHALL BE A NON-SHRINK, NON-EXPANSIVE, NON-METALLIC GROUT WITH A 28 DAY COMPRESSIVE STRENGTH OF 5,000 PSI WHEN TESTED IN ACCORDANCE WITH ASTM C109.

MASONRY:

- ALL MASONRY SHALL BE DESIGNED PER TMS 402.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 WITH A NET AREA COMPRESSIVE STRENGTH AS FOLLOWS:
1900 PSI FOR TYPE M OR S
- MORTAR SHALL CONFORM TO ASTM C270 TYPE S OR M. USE TYPE M BELOW GRADE WHEN MASONRY IS IN CONTACT WITH SOIL.
- GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. GROUT ALL CELLS WITH REINFORCING OR EMBEDDED ANCHORS.
- MINIMUM COMPRESSIVE STRENGTH OF THE MASONRY (f_m) SHALL BE 2,000 PSI UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE.
- HORIZONTAL JOINT REINFORCING SHALL BE 9 GAGE GALVANIZED LADDER TYPE. SPACE JOINT REINFORCING AT A MAXIMUM 16" ON-CENTER VERTICAL.
- BOND OF BLOCK SHALL BE RUNNING BOND UNLESS NOTED OTHERWISE.
- FILL ALL CAVITIES AND CELLS IN MASONRY BELOW FINISHED FLOOR WITH GROUT.
- WALLS SHALL BE PROPERLY BRACED AGAINST LATERAL LOADS UNTIL THE ROOF DIAPHRAGM OR OTHER LATERAL SUPPORT SYSTEM HAS BEEN INSTALLED.
- PROVIDE MASONRY CONTROL JOINTS AT 25'-0" OC MAX UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH ARCHITECTURAL FINISH JOINTS.
- COORDINATE OPENING LOCATIONS WITH ARCHITECTURAL AND SUBMIT SHOP DRAWINGS WITH LOCATIONS AND DIMENSIONS TO ENGINEER FOR REVIEW.

COLD-FORMED STEEL FRAMING:

- ALL COLD FORMED STEEL FRAMING SHALL BE DESIGNED PER AISI S100-16 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS, 2016."
- THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COLD-FORMED STEEL FRAMING SYSTEM INCLUDING SIZE, GAUGE, STRENGTH, SPACING OF MEMBERS, ANCHORAGE TO STRUCTURE, CONNECTIONS, ANGLES, CLIPS, BRACING, STRAPPING, BRIDGING, SUPPLEMENTARY FRAMING, FRAMING AT OPENINGS AND AT EXPANSION JOINTS.
- SUBMITTALS SHALL CLEARLY IDENTIFY ALL APPLICABLE CODES, LIST THE DESIGN CRITERIA AND SHOW ALL DETAILS AND DRAWINGS NECESSARY FOR PROPER FABRICATION AND INSTALLATION.
- SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSOURI WHO SHALL BE THE DELEGATED ENGINEER.
- THE FRAMING SYSTEM SHALL BE DESIGNED TO RESIST ALL APPLIED LOADINGS INCLUDING GRAVITY LOADS, CONSTRUCTION LOADS, WIND LOADS (HORIZONTAL AND VERTICAL) AND ALL OTHER LOADS AS REQUIRED BY THE APPLICABLE BUILDING CODES.
- THE FRAMING SYSTEM SHALL ACCOUNT FOR MOVEMENT OF THE STRUCTURE AND OTHER COMPONENTS, INCLUDING, BUT NOT LIMITED TO, DEFLECTION OF THE PRIMARY STRUCTURE, CONSTRUCTION TOLERANCES AND MAINTAINING REQUIRED CLEARANCE AT OPENINGS.

DELEGATED DESIGN SUBMITTALS:

- DELEGATED DESIGN SUBMITTALS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE ARCHITECT/ENGINEER AND SHALL BE REVIEWED PRIOR TO INSTALLATION.
- DELEGATED DESIGN SUBMITTALS ARE AS FOLLOWS:
A. COLD-FORMED STEEL FRAMING
- ALL DELEGATED DESIGN SUBMITTALS SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSOURI.

RS&H

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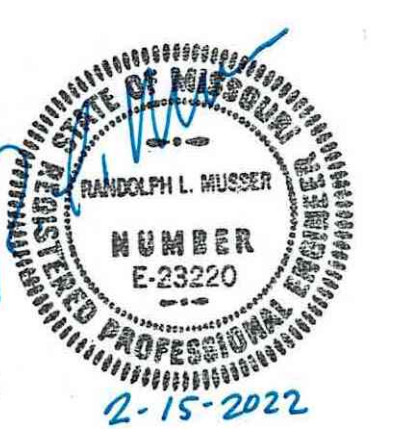
PNC

PROJECT TITLE:

PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT 9A
NEW PRYOR RD. & NW SUMMIT WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022

REVIEWED BY: DFW / RM

DRAWN BY: MCM

DESIGNED BY: MCM

PROJECT NUMBER: 524-0368-028

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SHEET TITLE:

GENERAL STRUCTURAL NOTES

SHEET ID:

S001

PROJECT STATUS:

PERMIT DOCUMENTS

STRUCTURAL STEEL

SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF AISC 360 AND THE TABLE BELOW, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

Table with columns: TASK, OBSERVE, PERFORM. Contains inspection tasks for welding, bolting, and mechanical fasteners.

STRUCTURAL STEEL (CONTINUED)

Table with columns: TASK, OBSERVE, PERFORM. Contains other inspection tasks for structural steel.

COLD-FORMED STEEL FLOOR AND ROOF DECK

SPECIAL INSPECTION FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QA/QC. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF SDI QA/QC AND THE TABLE BELOW, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

Table with columns: TASK, OBSERVE, PERFORM. Contains inspection tasks for cold-formed steel floor and roof deck.

STATEMENT OF SPECIAL INSPECTION:

- 1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION... 2. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE WORK BEING DONE IS ON THE PREMISES OF A FABRICATOR... 3. ALL INSPECTIONS SHALL BE PERFORMED BY INDEPENDENT SPECIAL INSPECTORS... 4. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND ENGINEER OF RECORD... 5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THESE INSPECTIONS ARE PERFORMED... 6. WORK REQUIRING SPECIAL INSPECTION SHALL BE INSPECTED BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS PERFORMED... 7. INSPECTION TASKS ARE AS FOLLOWS: PERIODIC OR OBSERVE: THE INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS... CONTINUOUS OR PERFORM: THESE TASKS SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE... 8. THE FOLLOWING SPECIAL INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL. THIS SCHEDULE IS NOT INTENDED TO BE ALL INCLUSIVE.

OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

Table with columns: TYPE, PERIODIC, CONTINUOUS. Lists inspection tasks for open-web steel joists and joist girders.

CONCRETE CONSTRUCTION

Table with columns: TYPE, PERIODIC, CONTINUOUS. Lists inspection tasks for concrete construction.

SOILS

Table with columns: TYPE, PERIODIC, CONTINUOUS. Lists inspection tasks for soils.

CONCRETE MASONRY (LEVEL 2)

SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE PROGRAM REQUIREMENTS OF TMS 402 AND TMS 602. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF TMS 402 AND 602 AND THE TABLE BELOW, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

Table with columns: TYPE, PERIODIC, CONTINUOUS. Lists inspection tasks for concrete masonry.



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PROJECT TITLE:

PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS KING LEE'S SUMMIT, MO 64081



REVISIONS

Table with columns: NO., DESCRIPTION, DATE. Revision tracking table.

DATE ISSUED: 02/15/2022

REVIEWED BY: DFW / RM

DRAWN BY: MCM

DESIGNED BY: MCM

PROJECT NUMBER: 524-0368-028

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SHEET TITLE:

STATEMENT OF SPECIAL INSPECTIONS

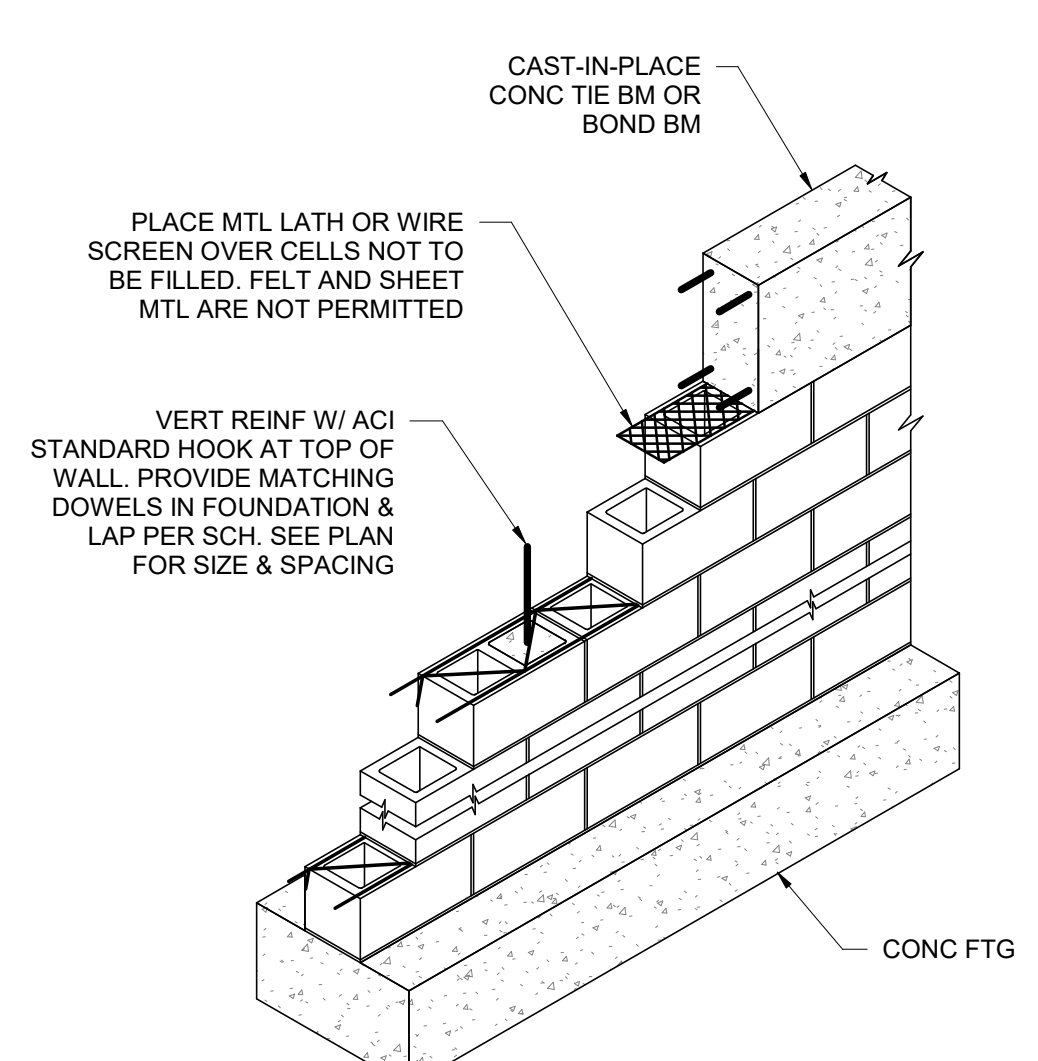
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S003

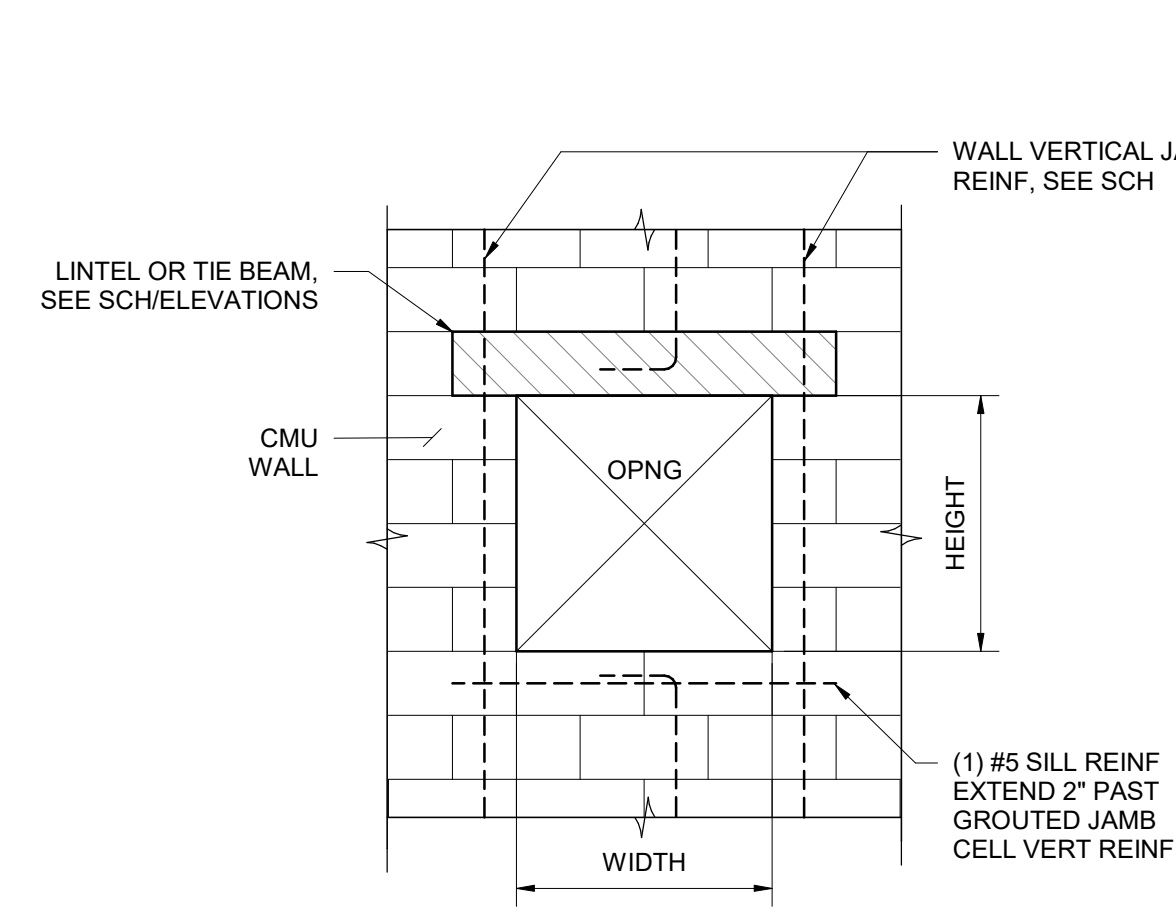
PROJECT STATUS:

PERMIT DOCUMENTS

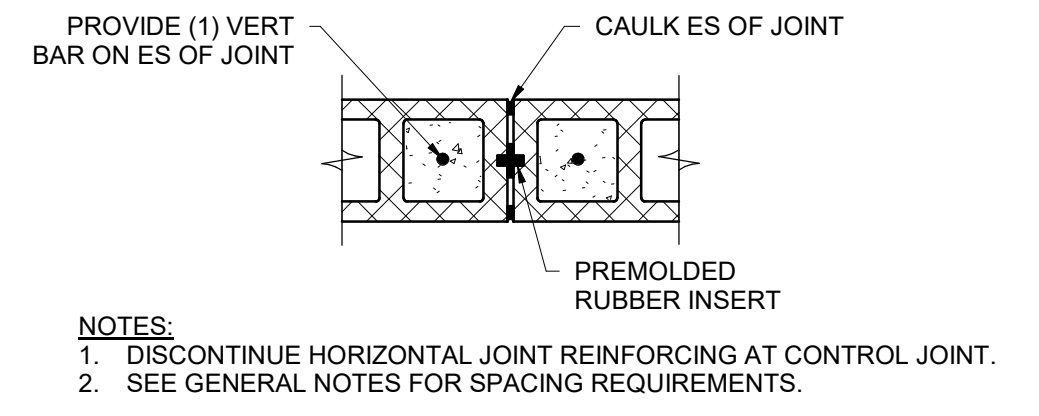
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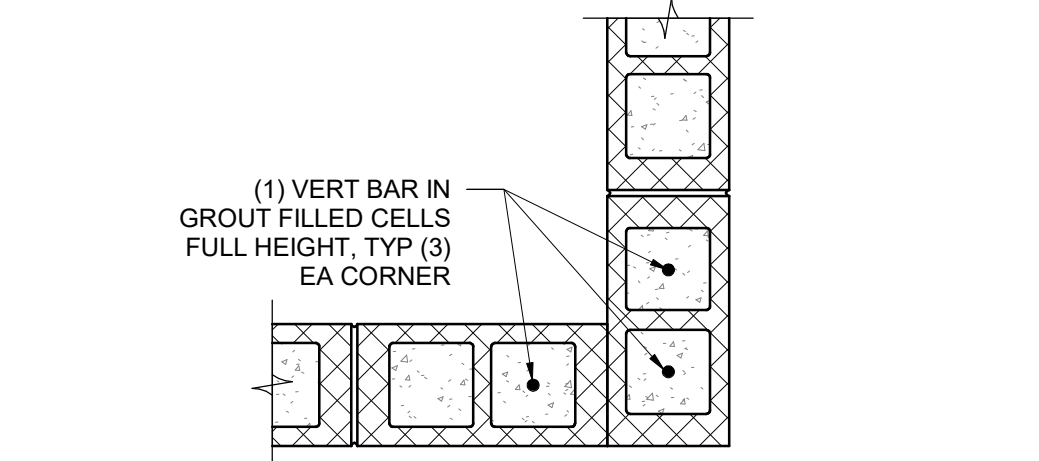
1 TYP CMU WALL CONSTRUCTION
SCALE: NTS



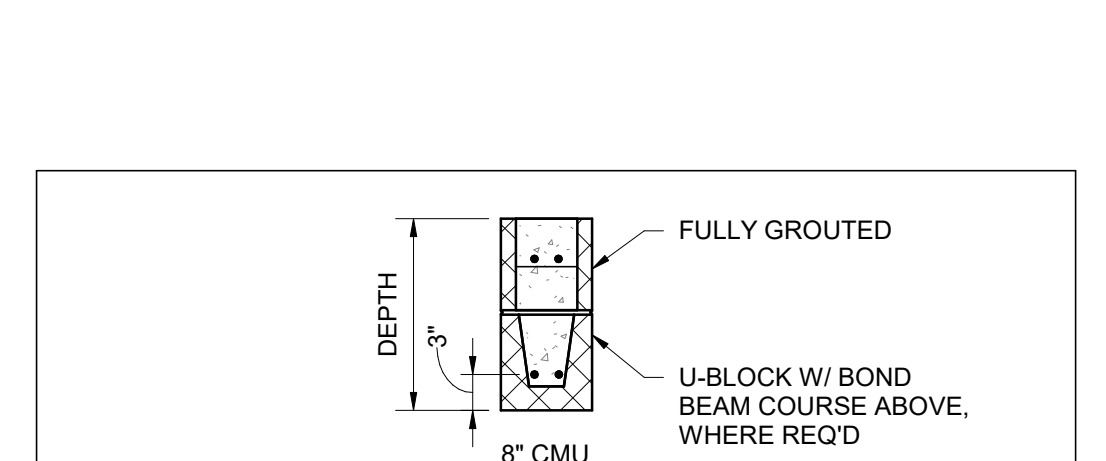
2 TYP CMU WALL OPNG REINF
SCALE: NTS



4 TYP CONTROL JOINT
SCALE: NTS



3 TYP CMU CORNER DETAIL
SCALE: NTS

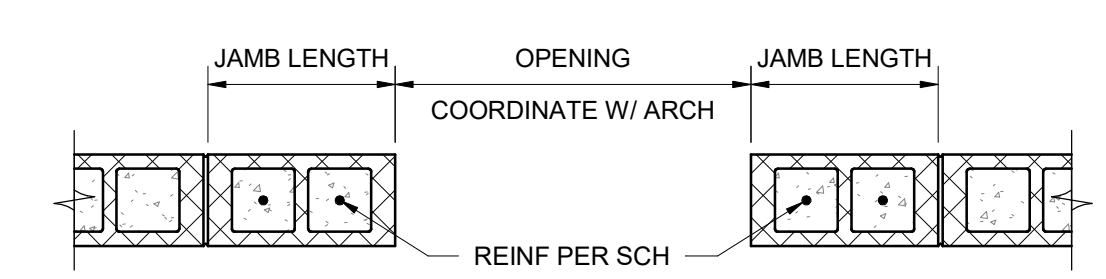


CMU LINTEL SCHEDULE

LINTEL SPAN	DEPTH	REINFORCING	REMARKS
4'-0" MAX	8"	(1) #5	

NOTES:
1. PROVIDE 8" BEARING EACH SIDE OF OPENING, UNLESS NOTED OTHERWISE.
2. ALL LINTELS SHALL BEAR ON GROUDED SOLID CMU.
3. VERIFY OPENING LOCATIONS WITH ARCHITECTURE.
4. VERTICAL JAMB REINFORCEMENT EXTENDS THROUGH CMU LINTELS AT BEARING ENDS.
5. ALL REINFORCEMENT SHALL EXTEND A MINIMUM OF 8" OVER SUPPORTS AT EACH END.

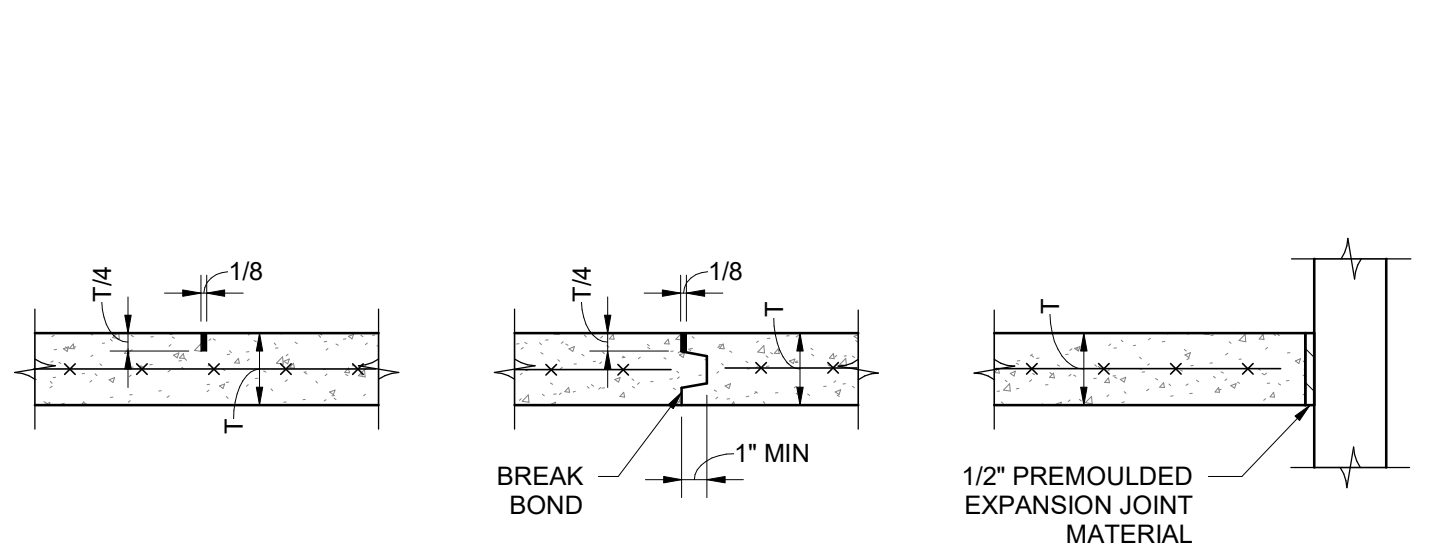
5 TYP CMU LINTEL SCHEDULE
SCALE: NTS



JAMB SCHEDULE

OPENING SIZE	JAMB LENGTH	# BARS PER CELL
UP TO 4'-0"	8"	(1) #5

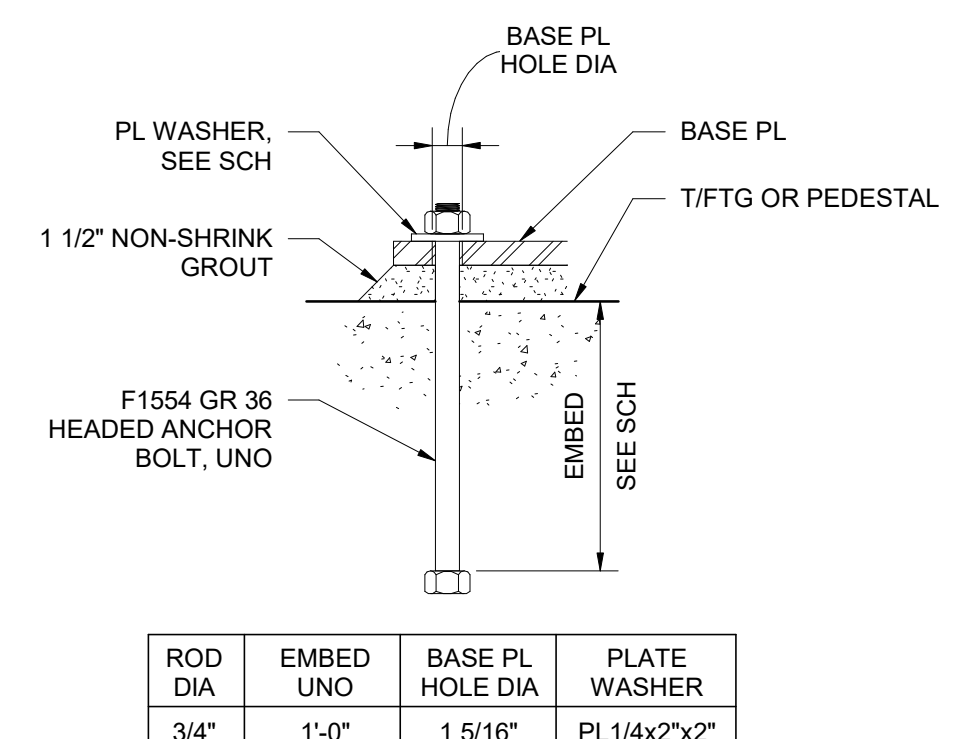
6 CMU JAMB SCHEDULE
SCALE: NTS



CRACK CONTROL JOINT (CCJ)
CONSTRUCTION JOINT (CJ)
EXPANSION JOINT AT WALL (EJ)

NOTES:
1. CCJ SHALL BE PRE-FORMED OR SAWED. IF SAWED, SAWING MUST TAKE PLACE WITHIN 12 HRS OF SLAB PLACEMENT.
2. USE CONSTRUCTION JOINT INSTEAD OF CRACK CONTROL JOINT WHEREVER CONSTRUCTION IS STOPPED OR WHERE CALLED FOR ON PLAN.

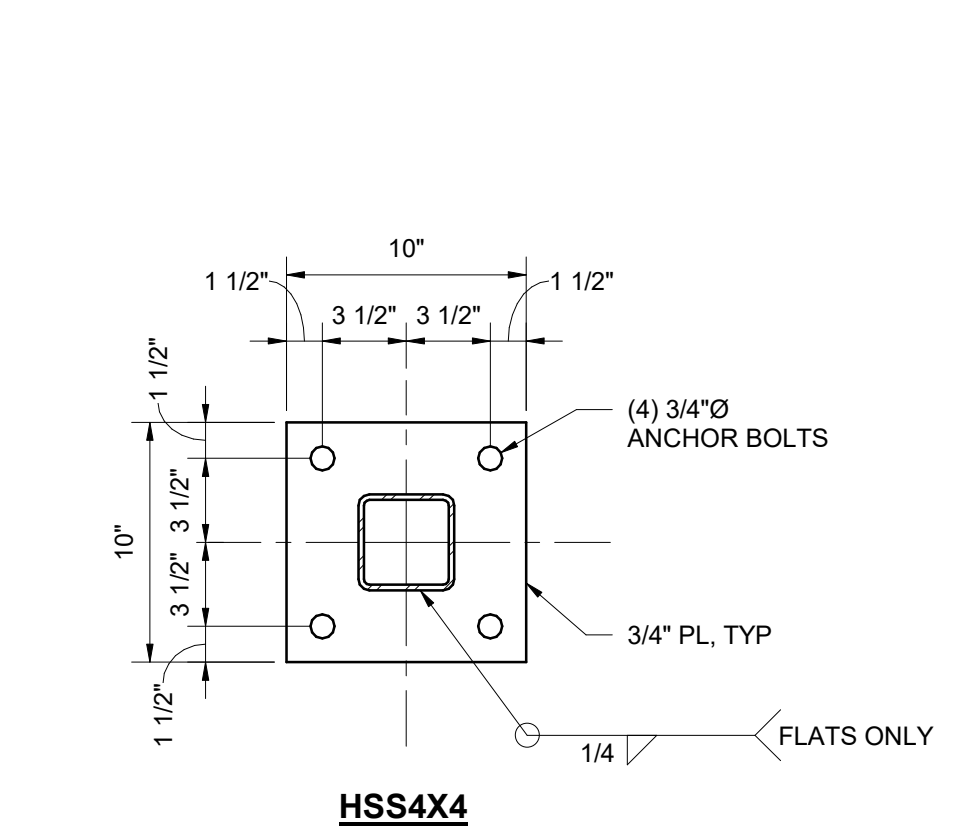
7 TYP CONC SLAB-ON-GRADE JOINTS
SCALE: NTS



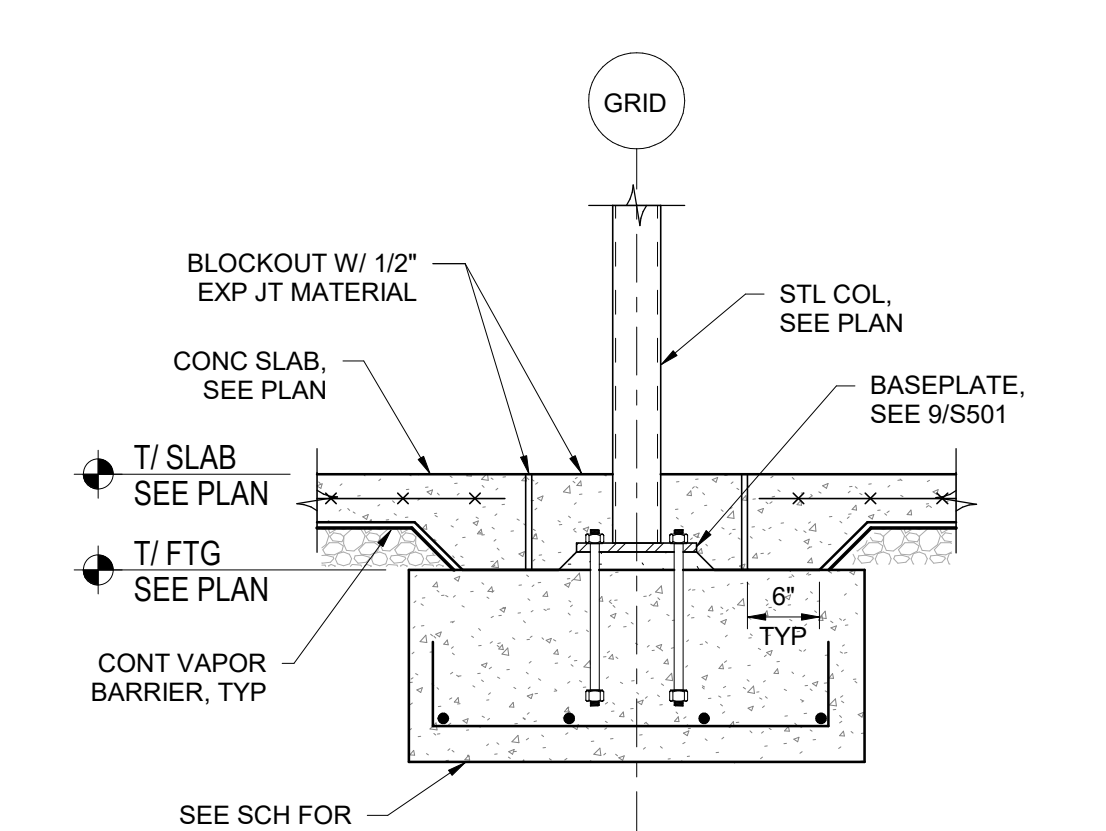
ROD DIA	EMBED UNO	BASE PL HOLE DIA	PLATE WASHER
3/4"	1'-0"	1 5/16"	PL1/4x2"x2"

NOTES:
1. PROVIDE STANDARD HOLE IN PLATE WASHER.

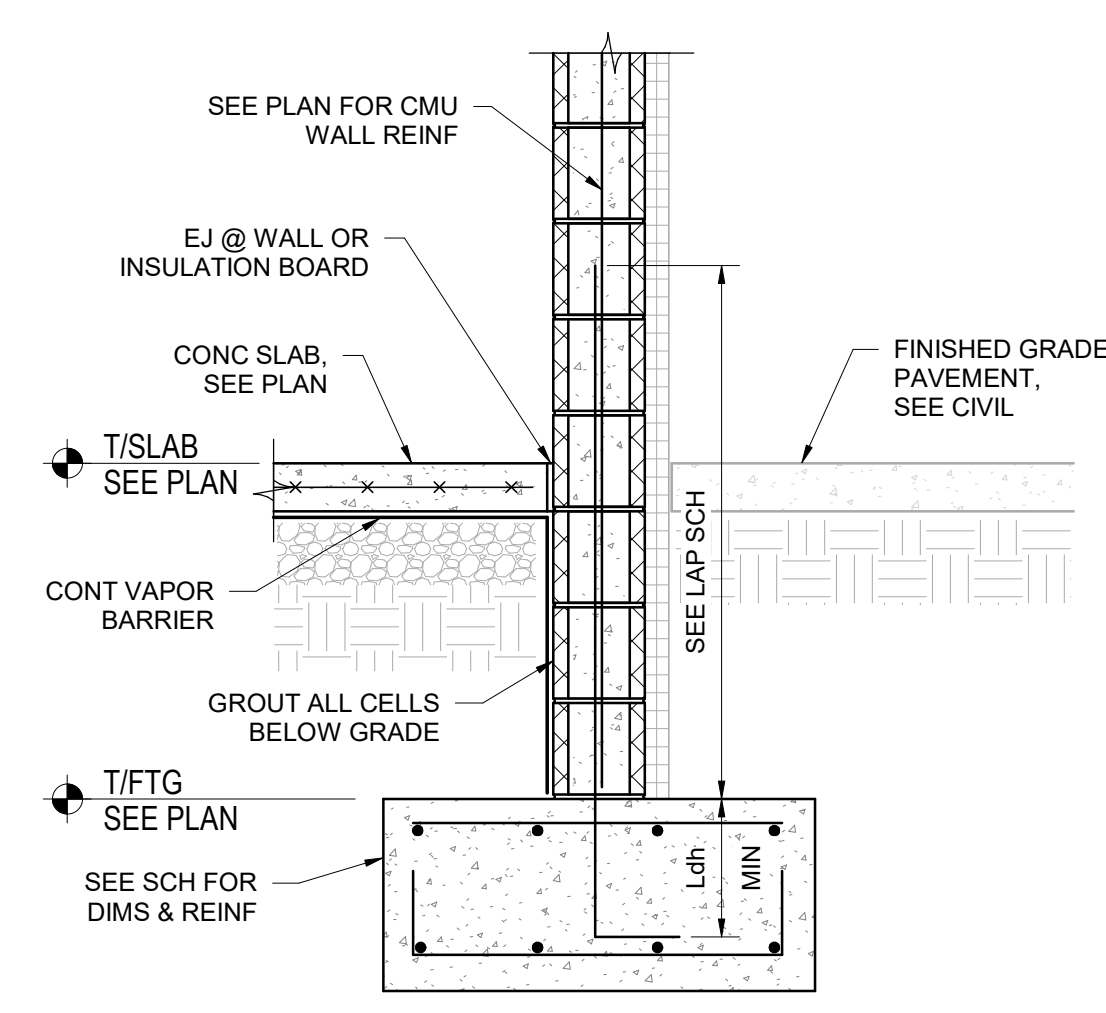
8 TYP ANCHOR BOLT DETAIL
SCALE: NTS



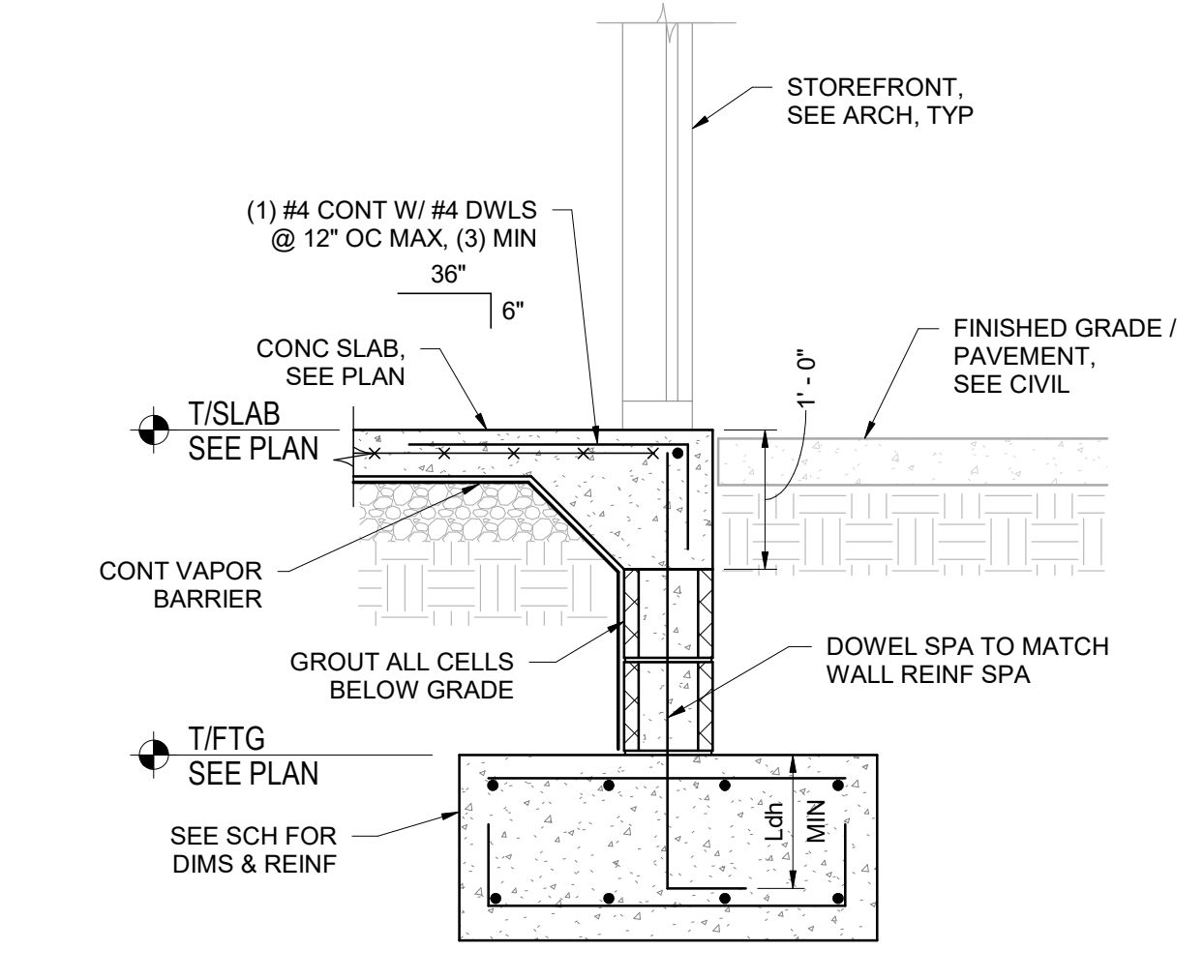
9 BASEPLATE DETAIL
SCALE: NTS



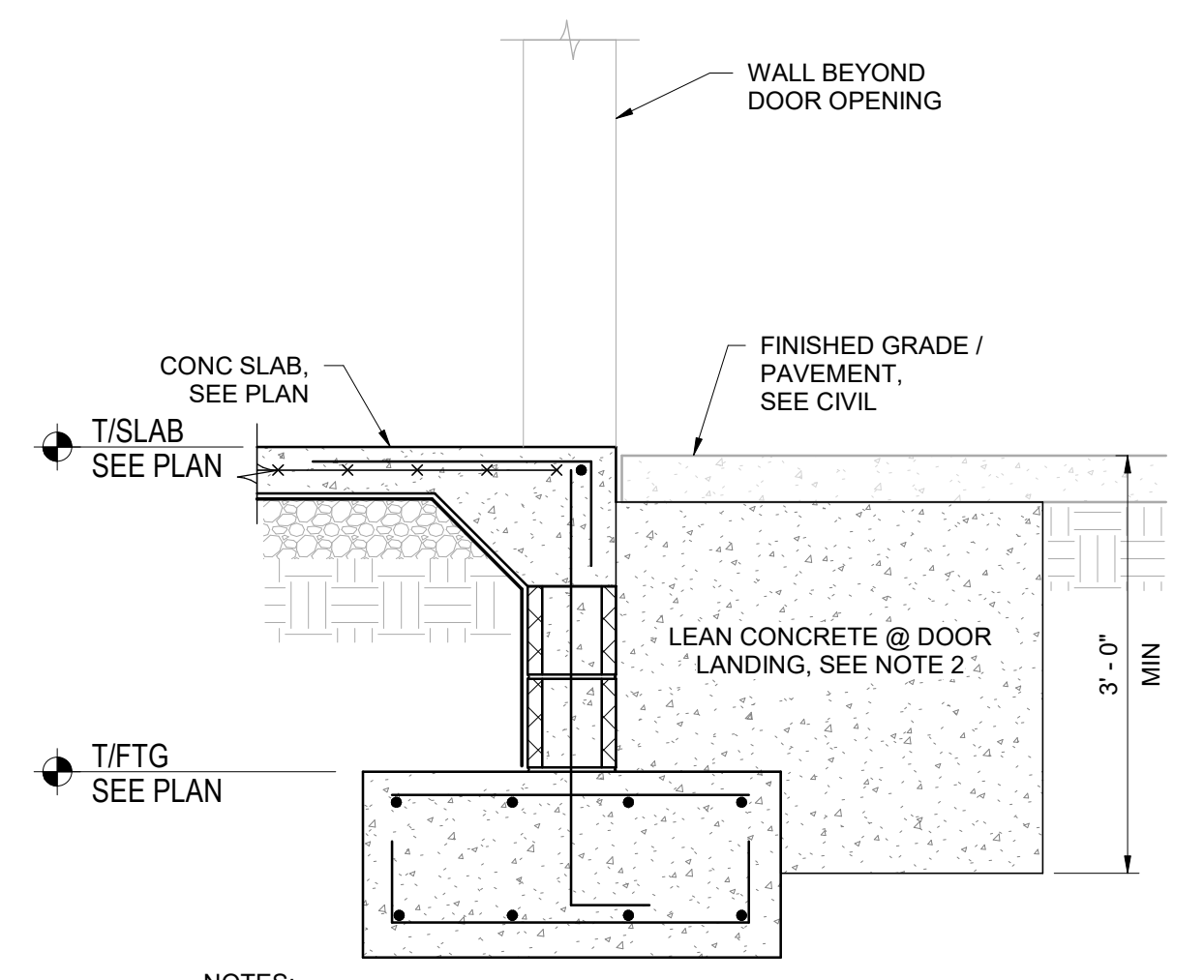
10 SECTION
SCALE: NTS



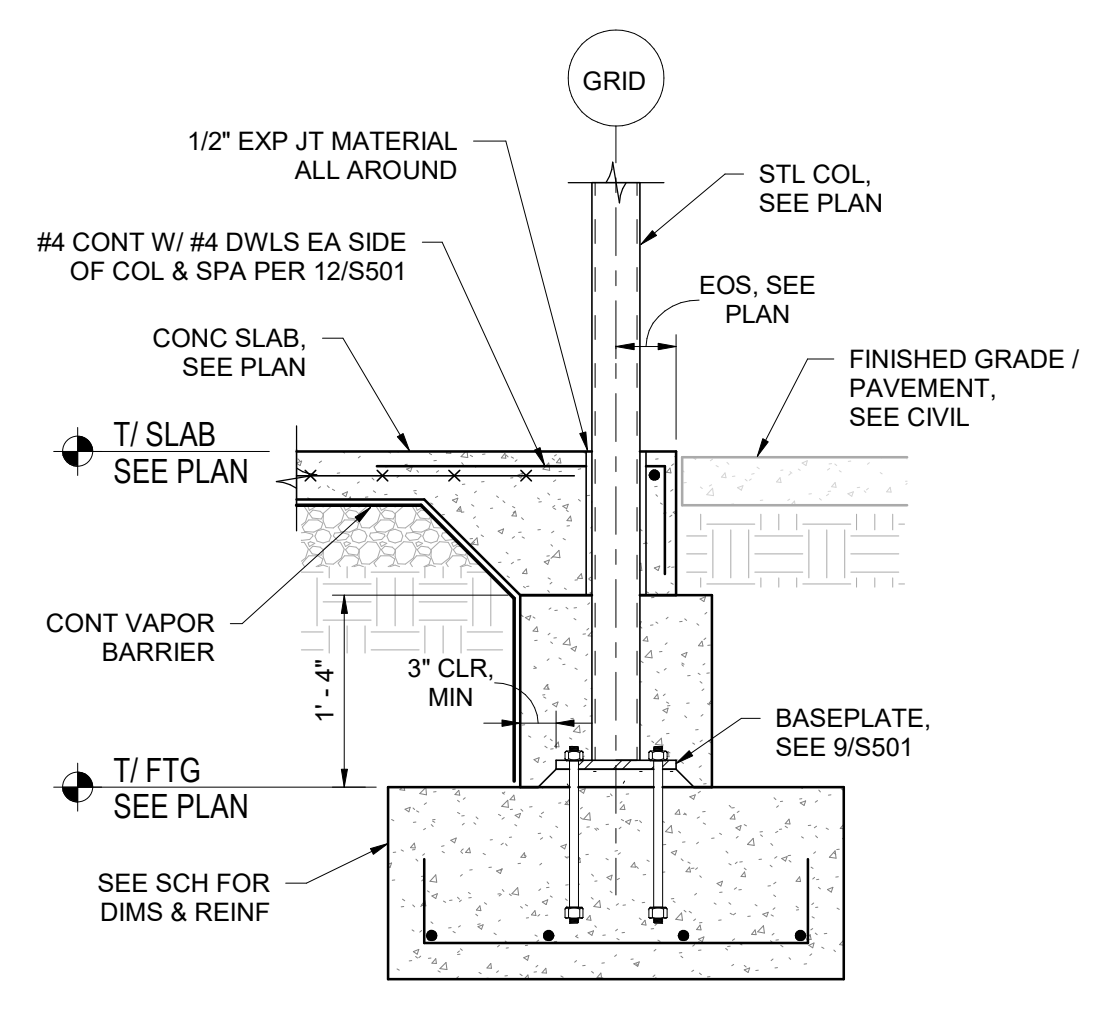
11 SECTION
SCALE: NTS



12 SECTION
SCALE: NTS



13 SECTION
SCALE: NTS



14 SECTION
SCALE: NTS

NOTES:
1. SEE 12/S501 FOR DETAILS AND INFORMATION NOT SHOWN.
2. PROVIDE LEAN CONCRETE FOR FROST HEAVE PREVENTION AT DOOR. EXTEND 8" PAST DOOR SWING IN ALL DIRECTIONS.

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PNC

PROJECT TITLE:
PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:
LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT 9A
NEW PRYOR RD. & NW SUMMIT WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: DFW / RM
DRAWN BY: MCM
DESIGNED BY: MCM
PROJECT NUMBER: 524-0368-028
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SHEET TITLE:
FOUNDATION SECTIONS AND DETAILS

SHEET ID:
S501

PROJECT STATUS:
PERMIT DOCUMENTS

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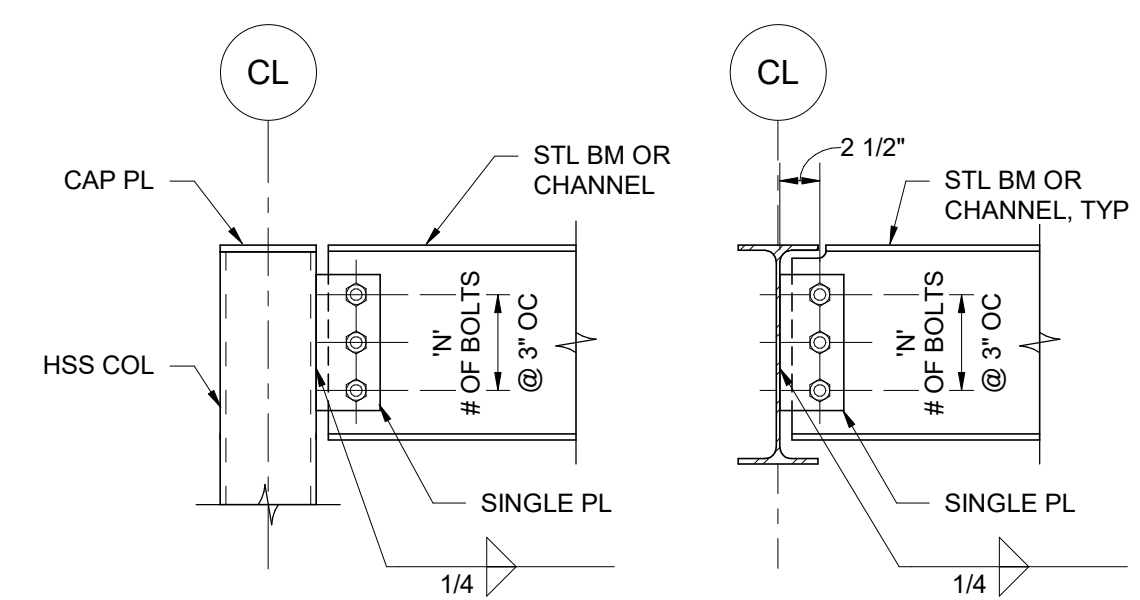
REVISIONS		
NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022
REVIEWED BY: DFW / RM
DRAWN BY: MCM
DESIGNED BY: MCM
PROJECT NUMBER:
524-0368-028
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SHEET TITLE:
FRAMING SECTIONS AND DETAILS

SHEET ID:
S502

PROJECT STATUS:
PERMIT DOCUMENTS

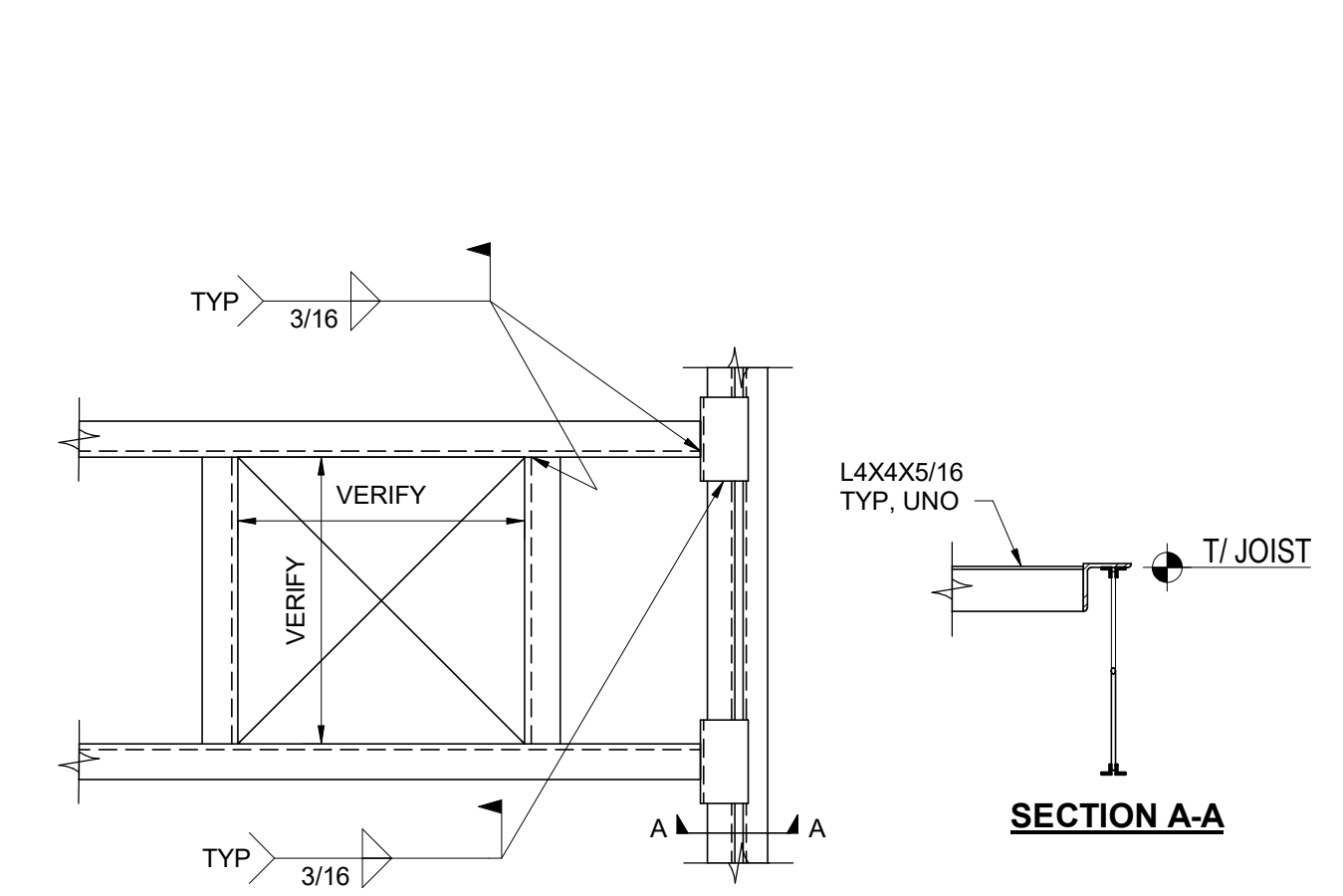


BM TO HSS COL SECTION **BM TO BM SECTION**

N'	SIZE	LENGTH	BEAM SIZE
3	PL 3/8" x 4"	8 1/2"	C12, W12
2	PL 3/8" x 4"	5 1/2"	C8, C10, W8, W10

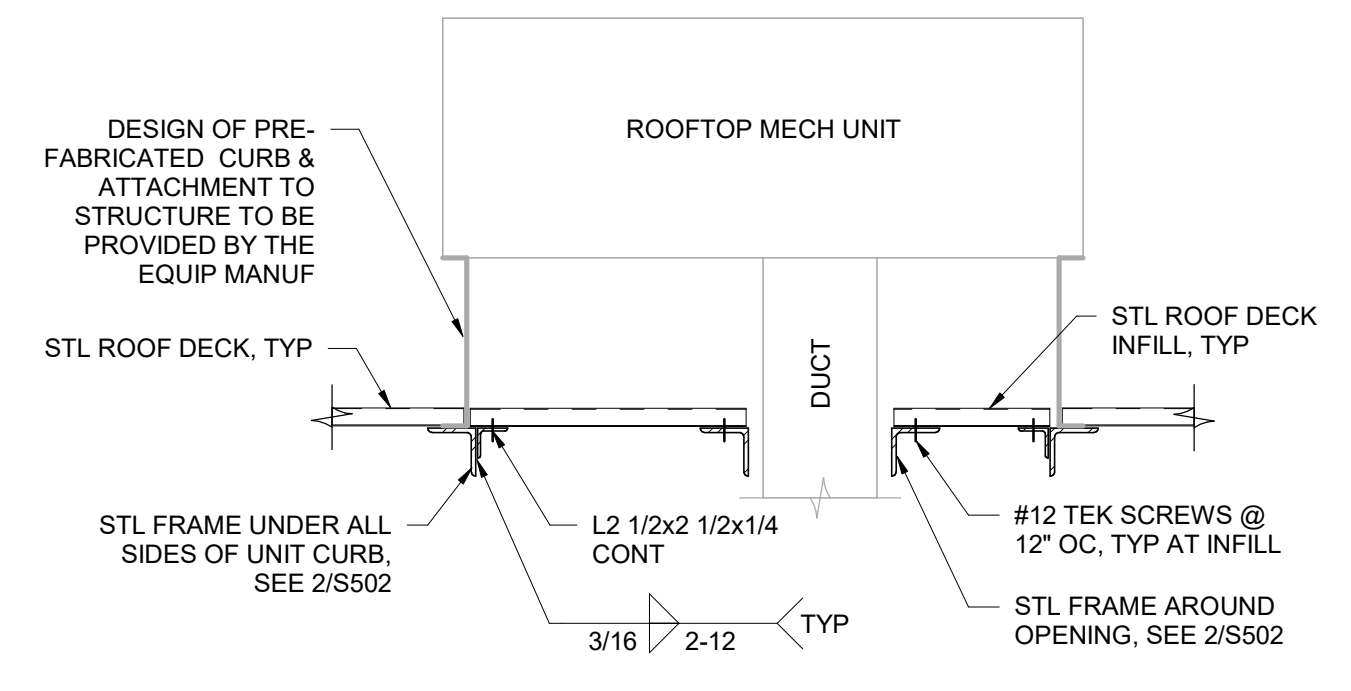
- NOTES:**
- ALL BOLTS SHALL BE 3/4"Ø A325 N BEARING TYPE, UNLESS NOTED OTHERWISE.
 - STD OR SSLT HOLES ARE PERMITTED IN PLATE, UNLESS NOTED OTHERWISE ON PLAN. BEAM SHALL HAVE STD HOLES.
 - WIDE FLANGE BEAM TO HSS BEAM CONNECTION SIMILAR.

1 TYP BEAM CONNECTIONS
SCALE: NTS

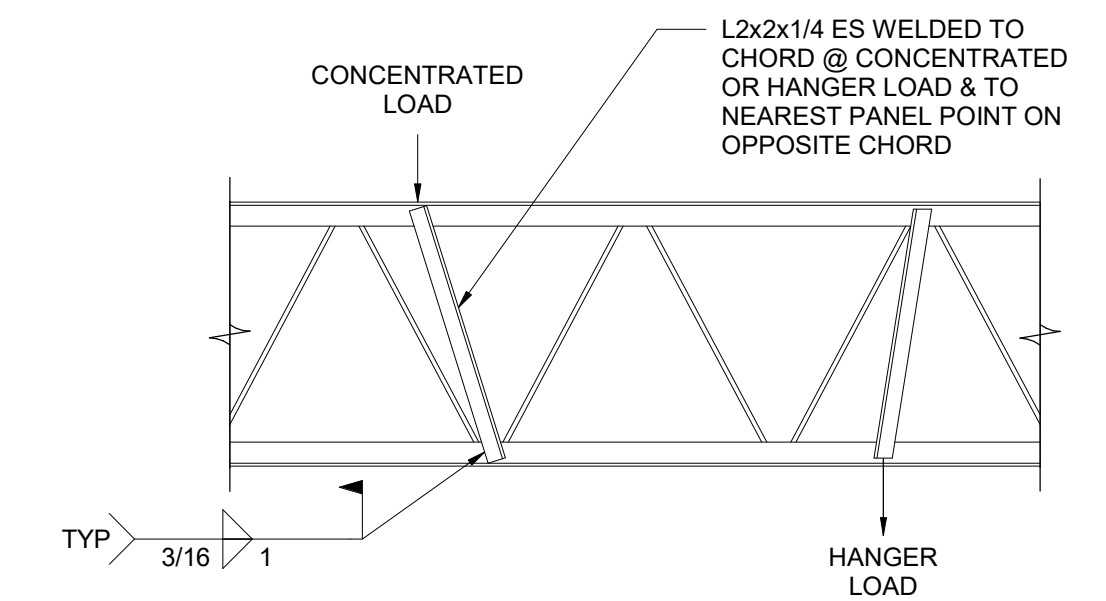


- NOTES:**
- PROVIDE FRAMING AROUND ALL ROOF OPENINGS GREATER THAN 6"x6" OR WHERE 2 OR MORE ROOF CORRUGATIONS ARE INTERRUPTED.
 - VERIFY DIMENSIONS WITH EQUIPMENT PURCHASED BEFORE FABRICATION OF SUPPORT FRAMING.

2 TYP ROOF OPENING FRAMING
SCALE: NTS



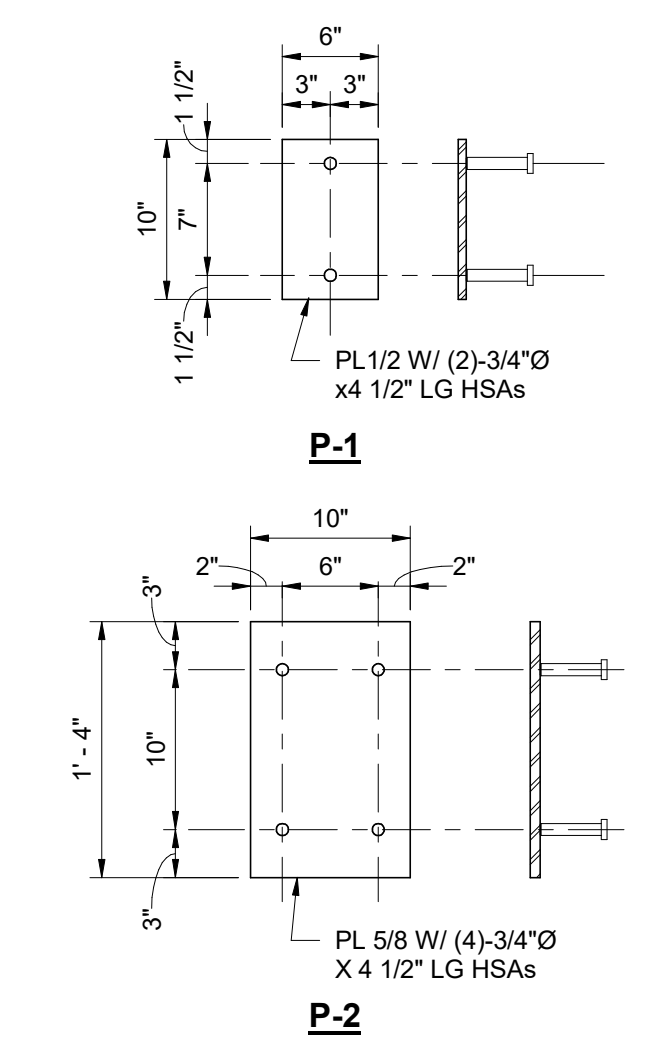
3 TYP MECH UNIT CURB DETAIL
SCALE: NTS



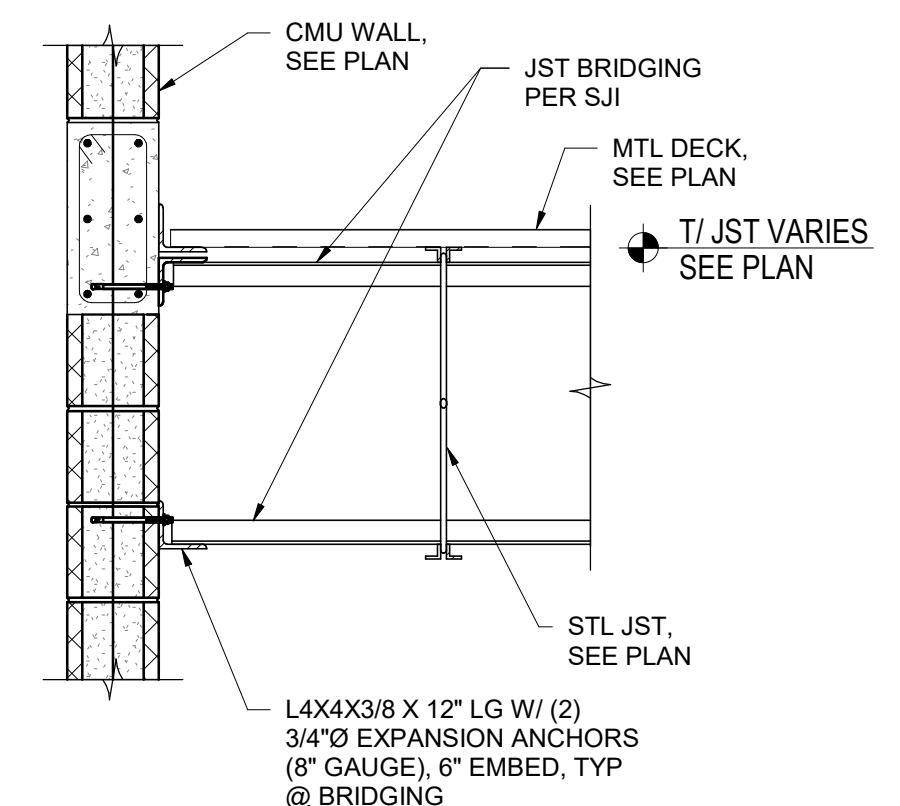
JOIST REINFORCING FOR CONCENTRATED LOADS NOT FALLING AT PANEL POINTS

- NOTES:**
- PROVIDE AT ALL CONCENTRATED AND HANGER LOADS GREATER THAN 100 LBS ON ROOF.

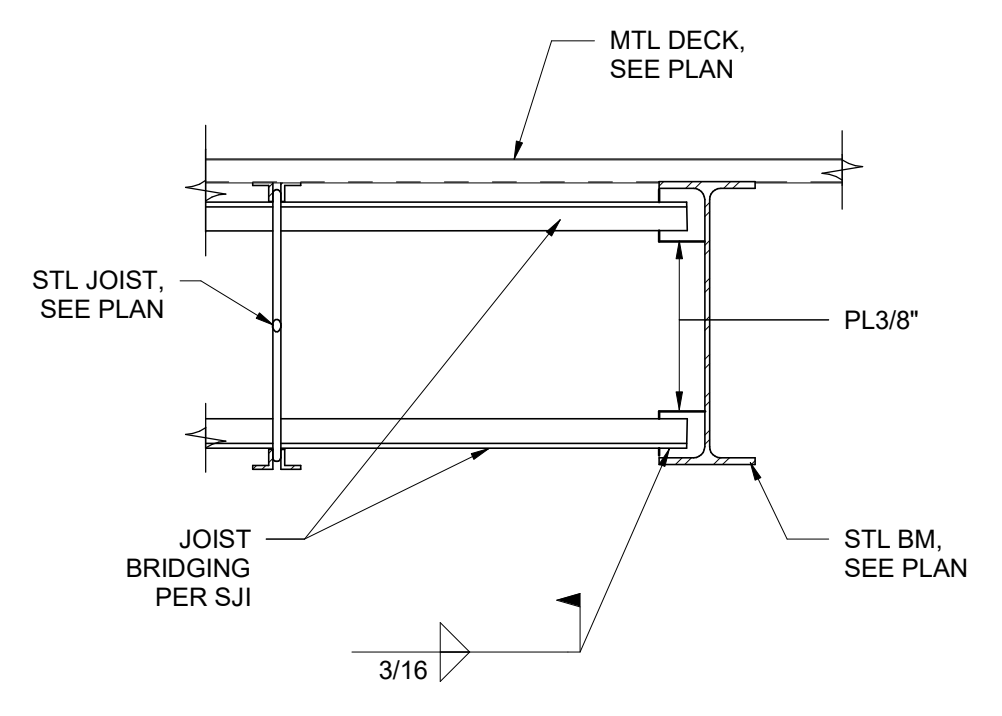
4 TYP JOIST REINF
SCALE: NTS



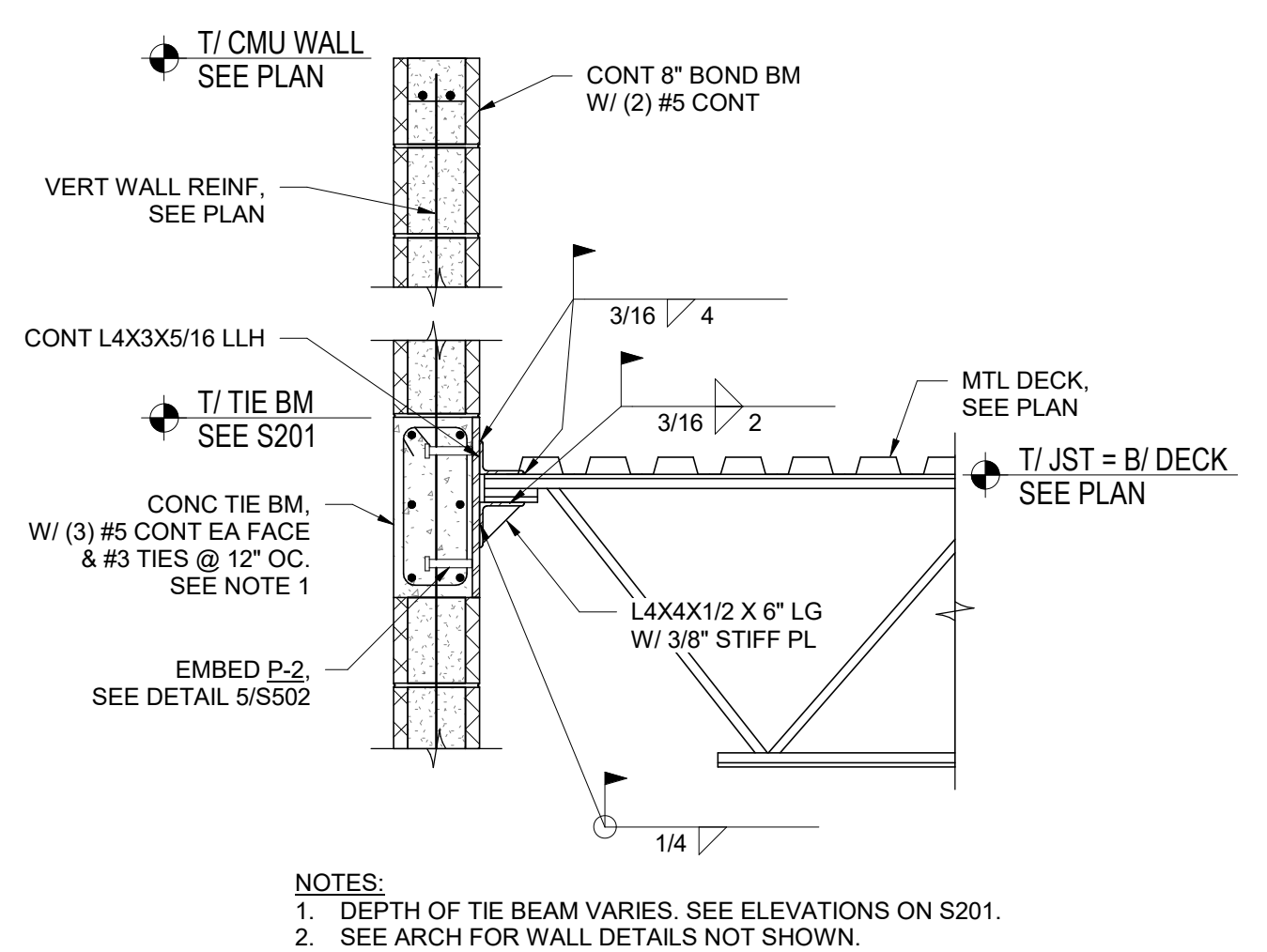
5 EMBED PLATE DETAILS
SCALE: NTS



6 TYP JST BRIDGING @ CMU
SCALE: NTS

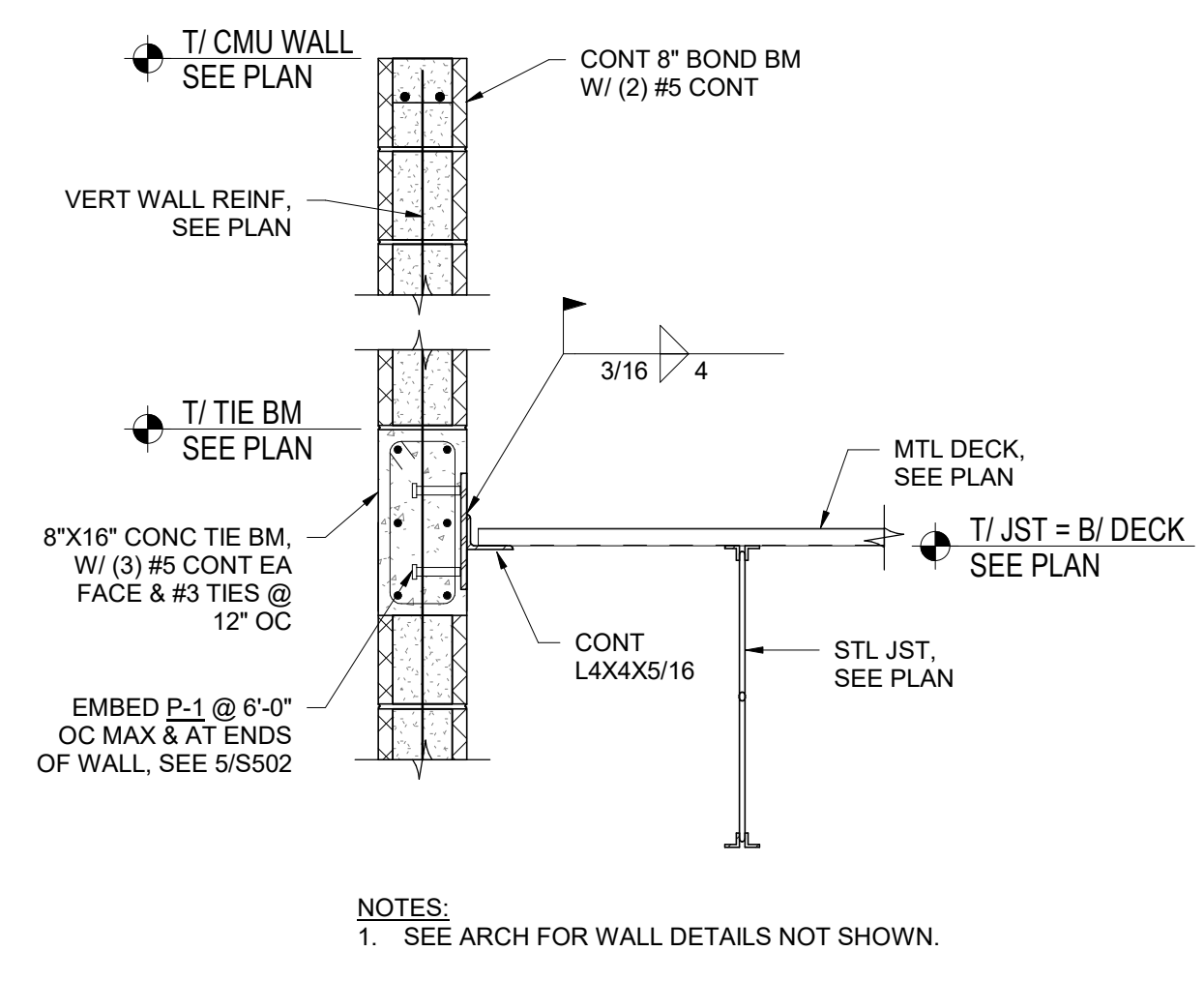


7 TYP JST BRIDGING @ BM
SCALE: NTS



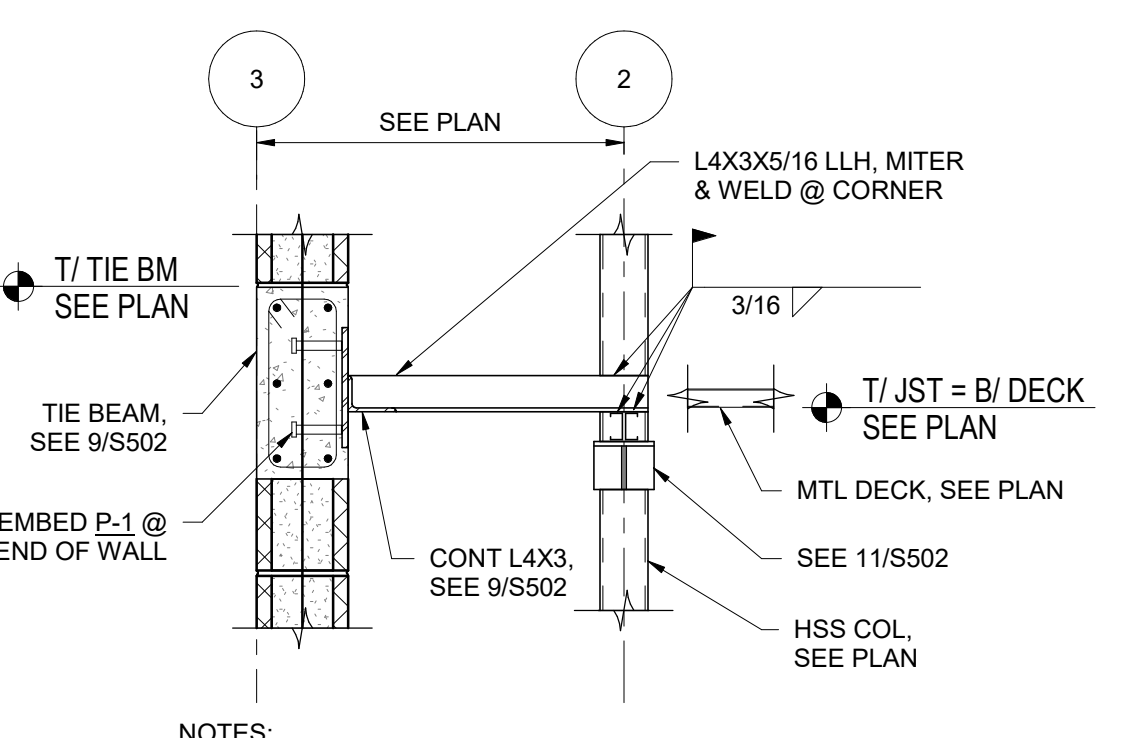
- NOTES:**
- DEPTH OF TIE BEAM VARIES. SEE ELEVATIONS ON S201.
 - SEE ARCH FOR WALL DETAILS NOT SHOWN.

8 SECTION
SCALE: NTS



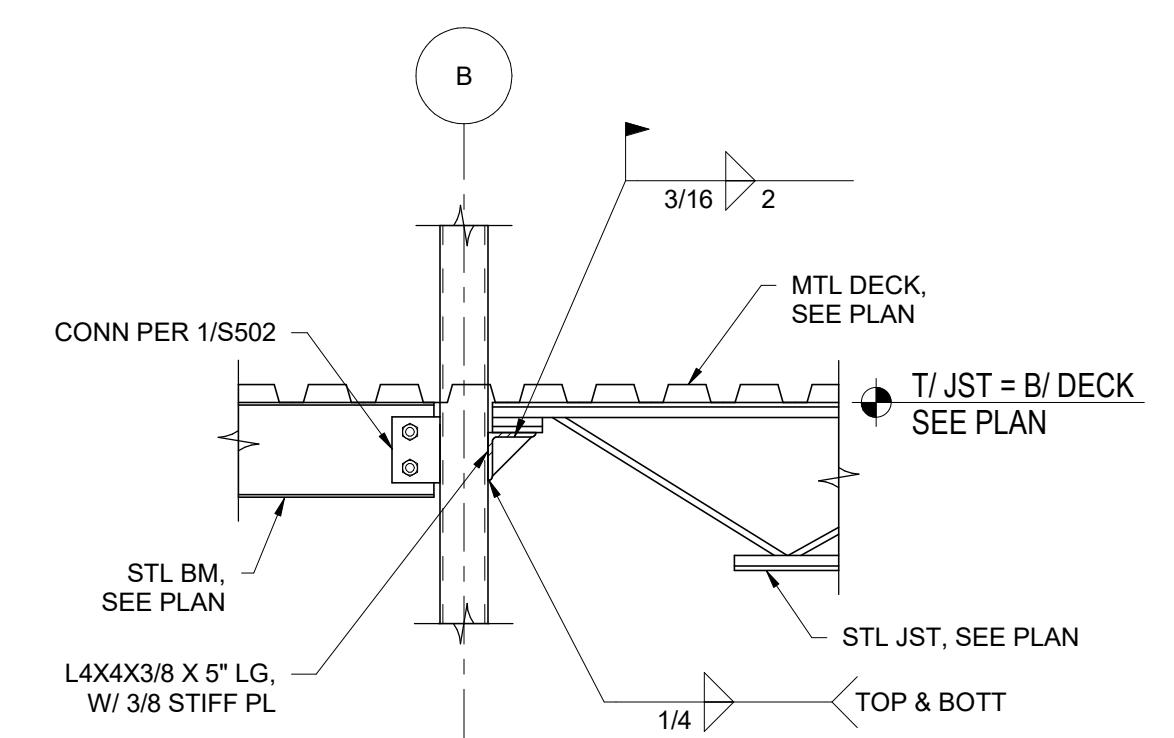
- NOTES:**
- SEE ARCH FOR WALL DETAILS NOT SHOWN.

9 SECTION
SCALE: NTS

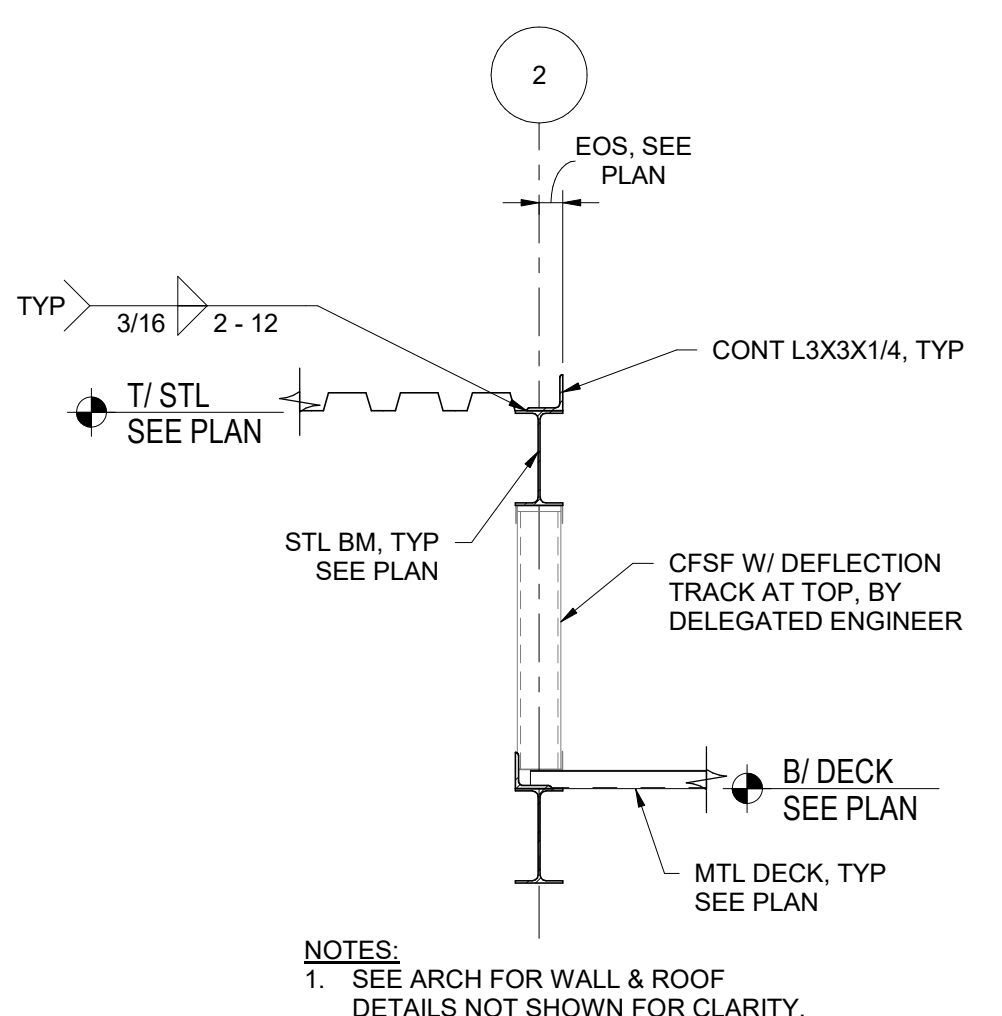


- NOTES:**
- SEE ARCH FOR WALL DETAILS NOT SHOWN.

10 SECTION
SCALE: NTS

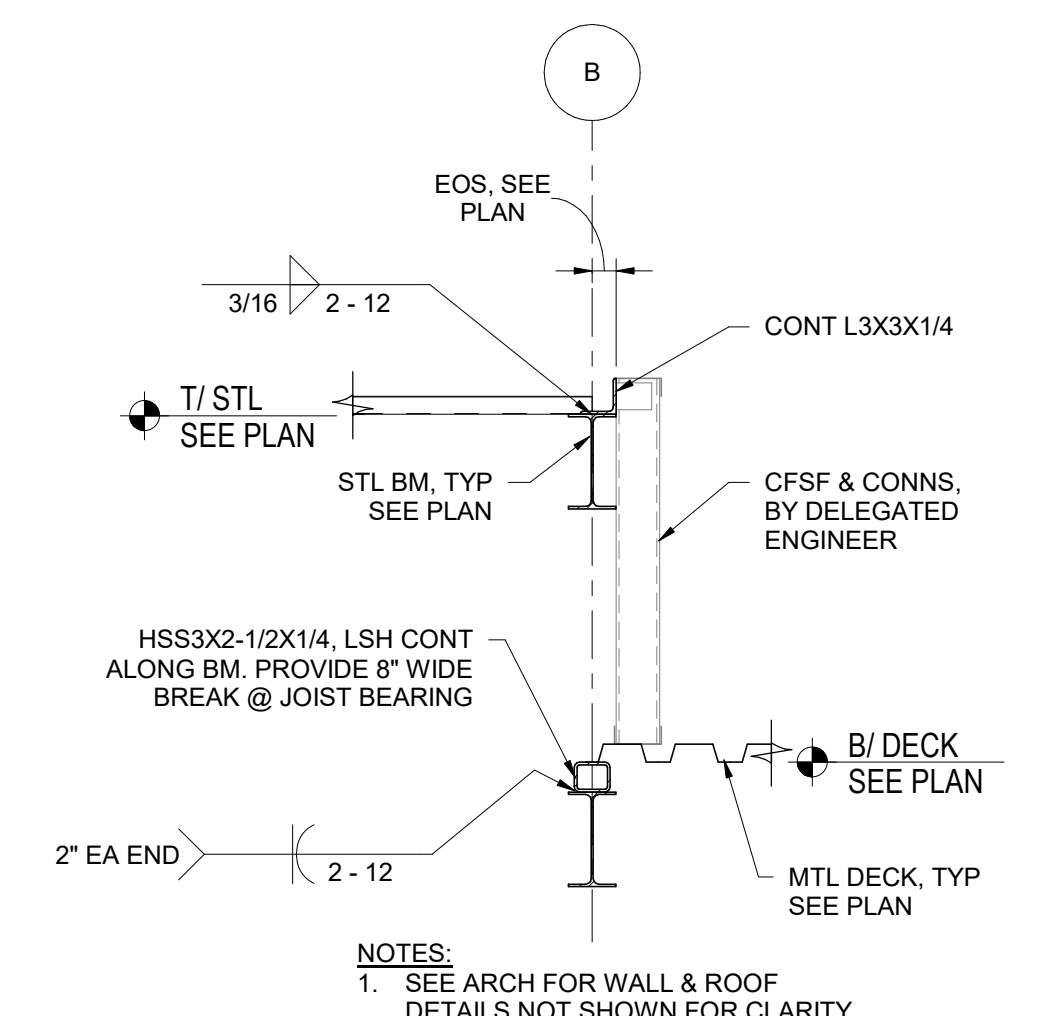


11 SECTION
SCALE: NTS



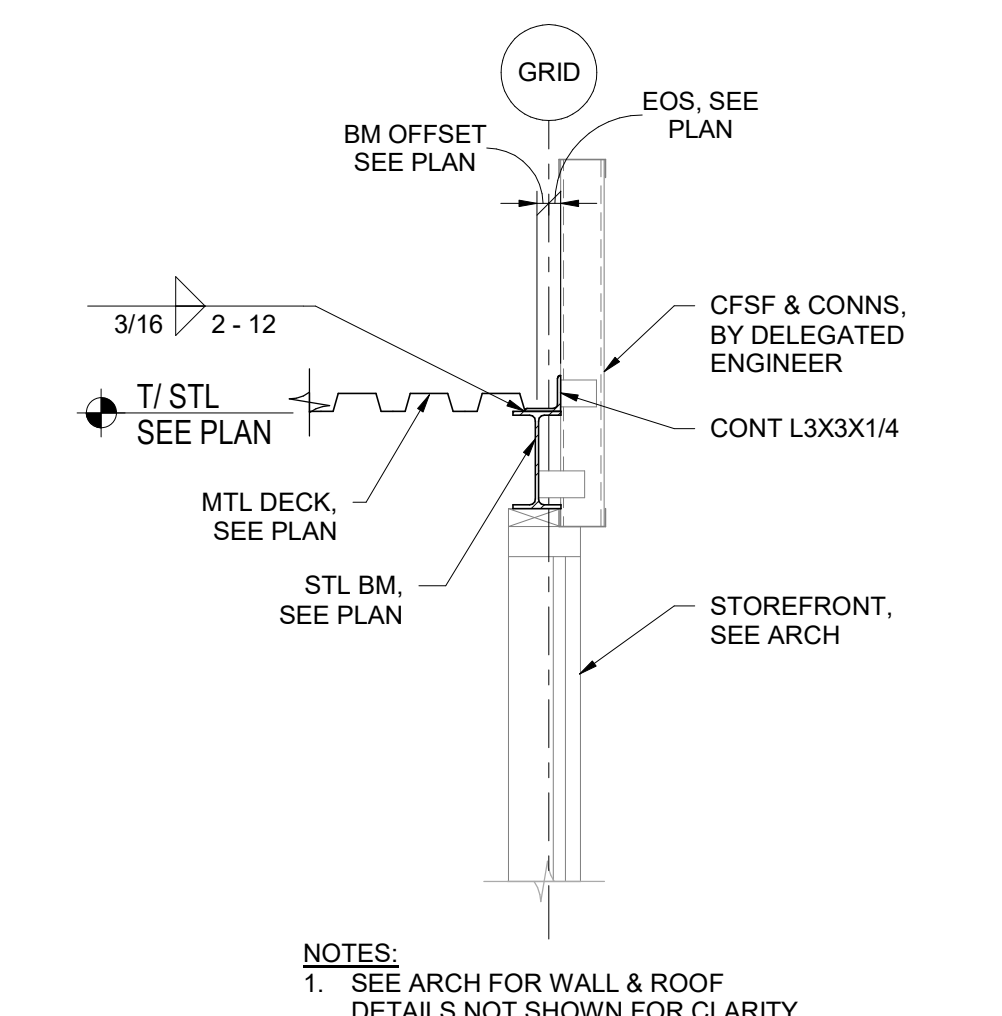
- NOTES:**
- SEE ARCH FOR WALL & ROOF DETAILS NOT SHOWN FOR CLARITY.

12 SECTION
SCALE: NTS



- NOTES:**
- SEE ARCH FOR WALL & ROOF DETAILS NOT SHOWN FOR CLARITY.

13 SECTION
SCALE: NTS



- NOTES:**
- SEE ARCH FOR WALL & ROOF DETAILS NOT SHOWN FOR CLARITY.

14 SECTION
SCALE: NTS

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GENERAL NOTES:

- 1. ALL WORK SHALL COMPLY WITH THE CURRENT INTERNATIONAL BUILDING, MECHANICAL, AND PLUMBING CODES...
2. COORDINATE MECHANICAL WORK WITH THAT OF OTHER TRADES...
3. FURNISH APPROVED OPERATING INSTRUCTIONS FOR ALL NEW EQUIPMENT...
4. WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS...
5. ALL EQUIPMENT AND MATERIALS PROVIDED FOR THIS PROJECT SHALL BE NEW AND FREE FROM DEFECTS...
6. PROVIDE PERMANENT IDENTIFICATION PLATES FOR ALL EQUIPMENT AND PLASTIC PIPE MARKERS ON ALL PIPING SYSTEMS...
7. PROVIDE SLEEVES FOR ALL DUCTWORK AND PIPING PENETRATIONS...
8. ALL PENETRATIONS AND OPENINGS IN FIRE-RATED WALLS OR OTHER CONSTRUCTION SHALL BE CLOSED AND SEALED WITH AN APPROVED FIRESTOPPING MATERIAL...
9. SELECT AND INSTALL PIPE SUPPORTS AND ANCHORS IN ACCORDANCE WITH MSS SP 58 AND SP 69...
10. PROVIDE ELASTOMERIC PADS BENEATH ALL PAD MOUNTED EQUIPMENT WITH ROTATING PARTS...
11. ROOFTOP UNITS, AIR HANDLERS, AND CONDENSING UNITS SHALL HAVE INTERNAL VIBRATION ISOLATION FOR FANS AND COMPRESSORS...
12. ALL PIPE INSULATION WITHIN THE BUILDING SHALL BE ASTM C547, CLASS 1 PREFORMED FIBERGLASS PIPE INSULATION WITH AN ALL-SERVICE VAPOR-BARRIER JACKET...
13. INSULATE ALL DUCTWORK, PLENUMS, FAN CABINETS AND EQUIPMENT CASINGS EXCLUDING PRE-INSULATED FLEXIBLE DUCTS AND PRE-INSULATED EQUIPMENT...
14. INSULATION FOR DUCTS AND DIFFUSERS SHALL BE 2-INCH THICK ASTM C553, TYPE I, CLASS B-4, 1-1/2 LB/CU FT DENSITY FIBERGLASS BLANKET WITH FSK JACKET...
15. CONDENSATE DRAIN PIPING FOR HVAC EQUIPMENT SHALL BE TYPE DWV COPPER TUBING, ASTM B306, DRAWN TEMPER, WITH ASME B16.29 WROUGHT-COPPER, SOLDER-JOINT, DWV DRAINAGE FITTINGS...
16. REFRIGERANT PIPING FOR HVAC SYSTEMS SHALL BE SEAMLESS COPPER TUBING, ASTM B280, TYPE ACR, HARD-DRAWN, STRAIGHT LENGTHS AND SOFT-ANNEALED COILS...
17. HVAC EQUIPMENT SHALL BE UL APPROVED, EQUAL TO THAT SCHEDULED ON THE DRAWINGS...
18. ALL EQUIPMENT SHALL HAVE DISCONNECTS AND OVERCURRENT PROTECTION AS REQUIRED BY THE NATIONAL ELECTRICAL CODE...
19. ALL DUCTWORK SHALL BE GALVANIZED STEEL, CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS...
20. MANUAL VOLUME-CONTROL DAMPERS SHALL HAVE MINIMUM 16-GAUGE GALVANIZED-STEEL FRAMES...
21. FABRICATE TURNING VANES ACCORDING TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS...
22. FLEXIBLE DUCT CONNECTORS SHALL BE FABRICATED OF FLAME-RETARDED OR NONCOMBUSTIBLE FABRICS...
23. AIR DEVICES SHALL BE EQUAL TO PRODUCTS SCHEDULED...
24. PROVIDE TEST AND BALANCE OF ALL HVAC SYSTEMS...
25. MOUNT THERMOSTAT AT 4'-0" AFF CL.

TYPICAL DRAWING SYMBOLS ALL MECHANICAL DRAWINGS

Table with 2 columns: SYMBOL and DESCRIPTION. Includes symbols for AIR DEVICE DESIGNATION, SUPPLY/RETURN/EXHAUST GRILLES, ELBOWS, DAMPERS, TRANSITIONS, and TURNING VANES.

MECHANICAL SYSTEMS ABBREVIATIONS

Table mapping abbreviations (e.g., AVB, A/C, ADJ) to their full names (e.g., AMPS, AMPERE, AIR CONDITIONER, ADJACENT).

MECHANICAL LEGEND

Table mapping abbreviations (CD, RL/RS) to symbols and descriptions (CONDENSATE DRAIN, REFRIGERANT LIQUID AND SUCTION).

CODES AND STANDARDS

THE FOLLOWING CODES, INCLUDING LOCAL AMENDMENTS ADOPTED BY THE CITY OF LEE'S SUMMIT, MISSOURI APPLY TO THIS PROJECT:
2018 INTERNATIONAL BUILDING CODE AND LOCAL AMENDMENTS
2017 NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS

CONDENSATE DRAIN SIZING CHART

Chart mapping EQUIPMENT CAPACITY IN TONS OF REFRIGERATION to MINIMUM PIPE DIAMETER IN INCHES.



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MO LICENSE NOS. 2003019618 * 2003019636



PROJECT TITLE:

PNC MO LEE'S SUMMIT GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT 9A
NEW PRYOR RD. & NW SUMMIT WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

Table with 3 columns: NO., DESCRIPTION, DATE. Multiple empty rows.

DATE ISSUED: 02/15/22

REVIEWED BY: BAM

DRAWN BY: BWU

DESIGNED BY: BWU

PROJECT NUMBER: 5240368028
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SHEET TITLE:

MECHANICAL NOTES, LEGEND, ABBREVIATIONS

SHEET ID:

M001

PROJECT STATUS: CONSTRUCTION DOCUMENTS

GENERAL NOTES

- 1 CONTRACTOR SHALL PROGRAM THERMOSTAT (HONEYWELL VISION PRO 8000) SET POINTS PRIOR TO END OF CONSTRUCTION: HEATING - 70°F OCCUPIED, 60°F UNOCCUPIED, COOLING - 74°F OCCUPIED, 80°F UNOCCUPIED. SET ACCORDING TO BANK HOURS OF OPERATION. THERMOSTATS AND SENSORS SHALL BE ALIGNED WITH LIGHTING CONTROL DEVICES.
- 2 COORDINATE WORK WITH ALL OTHER TRADES TO AVOID INTERFERENCE AND MAINTAIN CLEARANCES.
- 3 ALL PENETRATIONS AND OPENINGS IN FIRE-RATED WALLS OR OTHER CONSTRUCTION SHALL BE CLOSED AND SEALED WITH AN APPROVED FIRESTOPPING MATERIAL IN ACCORDANCE WITH UL FIRE RESISTANCE DIRECTORY DETAILS AND PRODUCT MANUFACTURER'S INSTRUCTIONS.
- 4 PENETRATIONS OF WALLS FOR THE PASSAGE OF PIPING, DUCTWORK, OR OTHER SHALL BE PROPERLY SEALED AFTER INSTALLATION. FIELD VERIFY WALL PENETRATIONS AND PROPERLY SEAL AS REQUIRED TO MAINTAIN WALL RATING.
- 5 DUCT RUNOUT WITH TAKEOFF SHALL MATCH DIFFUSER'S NECK SIZE. WHERE THE DEPTH OF THE DUCTWORK WILL NOT PERMIT A SPIN IN COLLAR FITTING, PROVIDE AN EQUIVALENT FLAT OVAL CONNECTION WITH MANUAL VOLUME DAMPER AND AN OVAL TO ROUND TRANSITION FOR EACH TAP.
- 6 CONTRACTOR SHALL ENSURE PROPER RETURN AIR PATH BACK TO AIR HANDLING UNITS. PROVIDE OPENINGS/TRANSFERS ABOVE CEILING OR EXTEND RETURN AIR BOOT DUCT THROUGH WALL ABOVE CEILING WHERE REQUIRED.
- 7 CONFIRM ALL EQUIPMENT, DUCTWORK ABOVE CEILING ARE PLENUM RATED.
- 8 COORDINATE LOCATION OF ALL THERMOSTATS/TEMPERATURE SENSORS WITH FURNITURE, MEDIA, ETC. ON WALLS BEFORE INSTALLING TO ENSURE ACCESSIBILITY.
- 9 CONTRACTOR SHALL PROVIDE A BALANCING DAMPER AT EACH BRANCH TAP.
- 10 CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL AIR DEVICES.
- 11 DURING OCCUPIED MODE, THE INDOOR FAN SHALL BE SET TO CONSTANT ON. THE FAN SHALL CYCLE DURING NON-OCCUPIED MODE.

KEYED NOTES

1. NEW ROOFTOP UNIT ON ROOF. TRANSITION AS REQUIRED TO CONNECT TO SUPPLY AND RETURN DROPS.
2. NEW EXHAUST FAN ON ROOF. TRANSITION AS REQUIRED TO CONNECT. MAINTAIN MINIMUM 10'-0" CLEARANCE FROM EXHAUST TO ANY FRESH AIR INTAKE.
3. PROVIDE RADIANT HEATER PANEL IN THE COVE MOUNTED CONFIGURATION. COORDINATE WITH ARCHITECTURAL.
4. CONTRACTOR SHALL LOCATE LINE VOLTAGE THERMOSTAT (BARBER COLMAN T-1161) SET AT 80°F (ADJUSTABLE) WHERE SHOWN ON PLAN. ALIGN WITH LIGHTING CONTROL DEVICES.
5. PROVIDE CO2 SENSOR, SETPOINT SHALL NOT EXCEED 1000 PPM INDOOR CO2 CONCENTRATION. SENSORS SHALL HAVE AN AUDIBLE ALARM IF SET POINT IS REACHED.
6. COORDINATE DUCT PENETRATION THROUGH ACOUSTICAL PANELS. REFER TO DETAIL SHOWN ON A501. COORDINATE HEIGHT OF PENETRATION WITH ARCHITECTURAL ELEVATIONS.
7. COORDINATE FINISH OF GRILLE PENETRATION THROUGH ACOUSTICAL PANEL. PROVIDE TRIM AS NECESSARY TO PROVIDE FINISHED LOOK. COORDINATE HEIGHT OF PENETRATION WITH ARCHITECTURAL ELEVATIONS.
8. PROVIDE TEMPERATURE SENSOR WITH NO PROGRAMMABLE CONTROLS IN 24 HOUR ATM VESTIBULE. PROGRAMMABLE CONTROL FOR UNIT SHALL BE PLACED IN BACK OF HOUSE IT ROOM.



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PROJECT TITLE:

**PNC MO LEE'S SUMMIT
 GROUND UP BRANCH**

PROJECT ADDRESS:

LEE'S SUMMIT, MO
 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/22
 REVIEWED BY: BAM
 DRAWN BY: BWU
 DESIGNED BY: BWU
 PROJECT NUMBER:
5240368028
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SHEET TITLE:

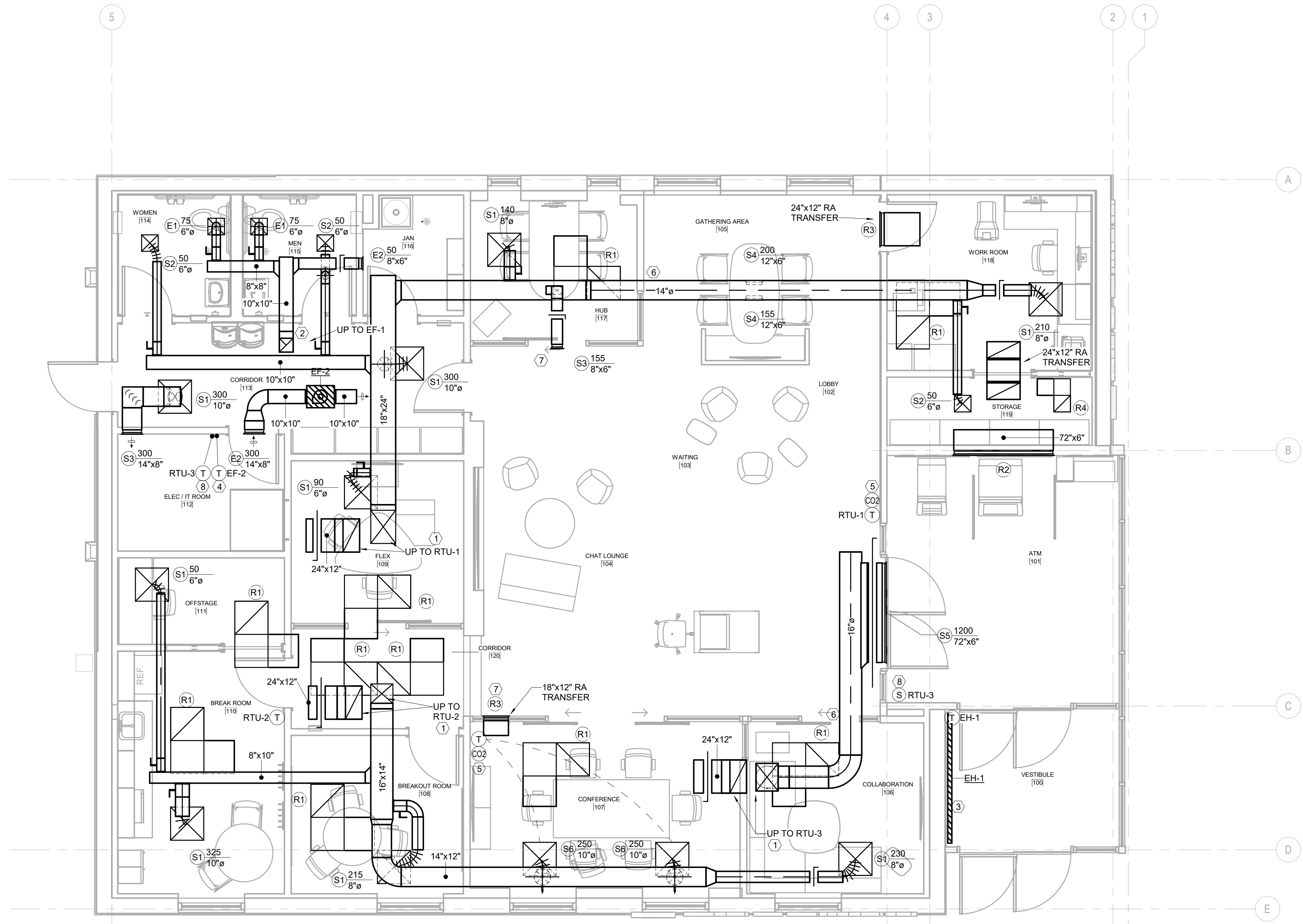
MECHANICAL PLAN

SHEET ID:

M101

PROJECT STATUS:

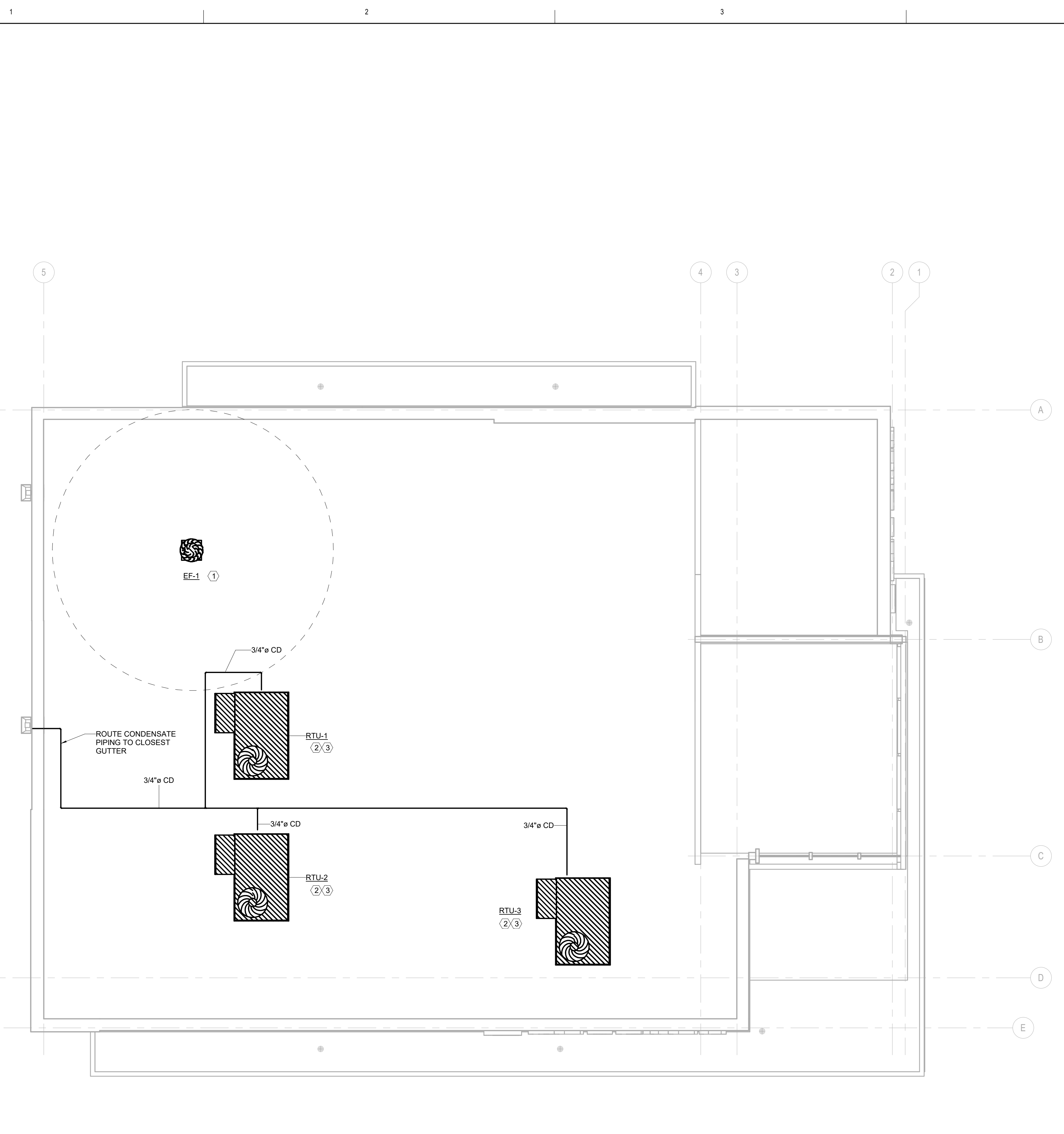
CONSTRUCTION DOCUMENTS



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

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MECHANICAL ROOF PLAN
 1
 M102 SCALE: 1/4" = 1'-0"

MECHANICAL GENERAL NOTES

- PROVIDE INSULATED ROOF CURB FOR SUPPORT OF ALL HVAC EQUIPMENT.
- ENSURE PROPER MANUFACTURER RECOMMENDED CLEARANCES FOR ALL HVAC EQUIPMENT.
- PROVIDE SLEEPER PADS ON ROOF UNDER CONDENSATE DRAIN LINE. SUPPORTS SHALL BE PER MANUFACTURER REQUIREMENTS.
- PIPE SUPPORTS ON ROOF SHALL BE CADDY PYRAMID ST SERIES ADJUSTABLE HEIGHT STRUT SUPPORTS. SUPPORTS SHALL BE SPACED ACCORDING TO THE APPLICABLE BUILDING CODE.



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PROJECT TITLE:
 PNC MO LEE'S SUMMIT
 GROUND UP BRANCH

PROJECT ADDRESS:
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 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



KEYED NOTES

- MAINTAIN 10' CLEARANCE FROM EXHAUST FAN TO ANY ROOF EDGE AND ANY FRESH AIR INTAKE.
- MECHANICAL CONTRACTOR TO PROVIDE 2" MERV 13 FILTERS UPON SIGNIFICANT COMPLETION OF PROJECT.
- MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL NEEDLEPOINT BI-POLAR IONIZATION. BI-POLAR IONIZATION SHALL BE UL867 COMPLIANT. PART TO BE ORDERED UPON ACCEPTANCE OF PROJECT TO MEET LONG LEAD TIME ON PRODUCT. PROVIDE ATMOSAIR MATTERHORN 1002 OR APPROVED EQUAL. INTERLOCK WITH RTU TO OPERATE ONLY WHEN RTU FAN IS ON.

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/22
 REVIEWED BY: BAM
 DRAWN BY: BWU
 DESIGNED BY: BWU

PROJECT NUMBER:
 5240368028
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SHEET TITLE:
 ROOF PLAN

SHEET ID:
 M102

PROJECT STATUS:
 CONSTRUCTION DOCUMENTS

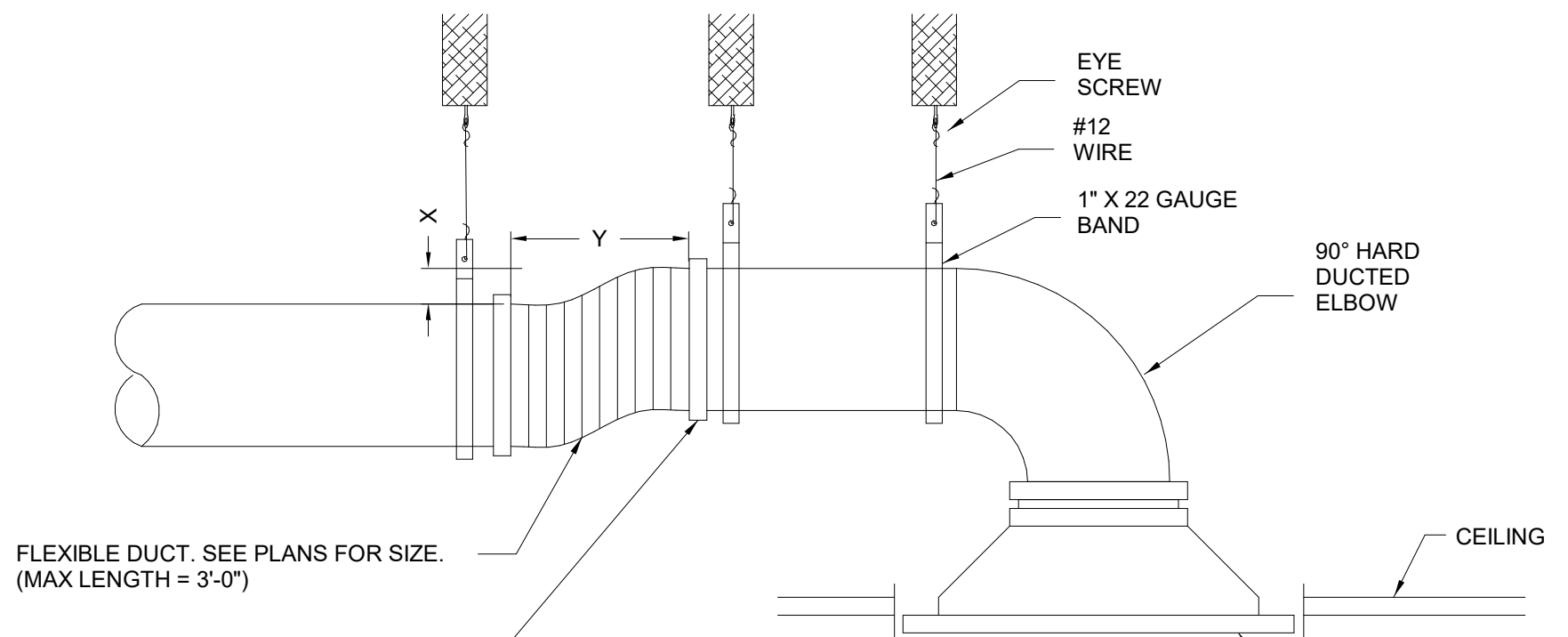
REVISIONS		
NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/22
REVIEWED BY: BAM
DRAWN BY: BWU
DESIGNED BY: BWU
PROJECT NUMBER:
5240368028
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SHEET TITLE:
MECHANICAL DETAILS

SHEET ID:
M301

PROJECT STATUS:
CONSTRUCTION DOCUMENTS

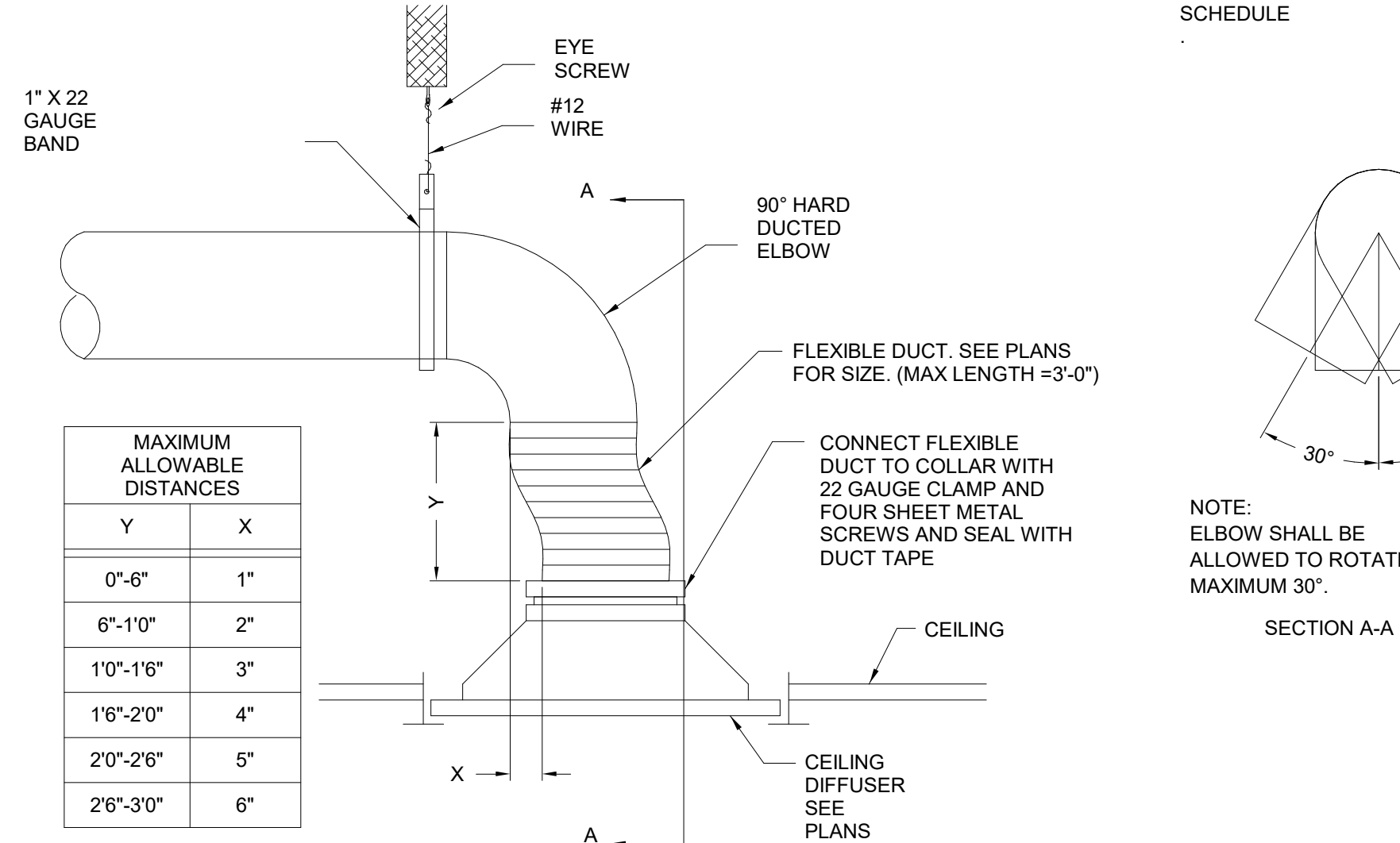


FLEXIBLE DUCT, SEE PLANS FOR SIZE.
(MAX LENGTH = 3'-0")

CONNECT FLEXIBLE DUCT TO COLLAR WITH 22 GAUGE CLAMP AND FOUR SHEET METAL SCREWS AND SEAL WITH DUCT TAPE

LIMITED CEILING SPACE

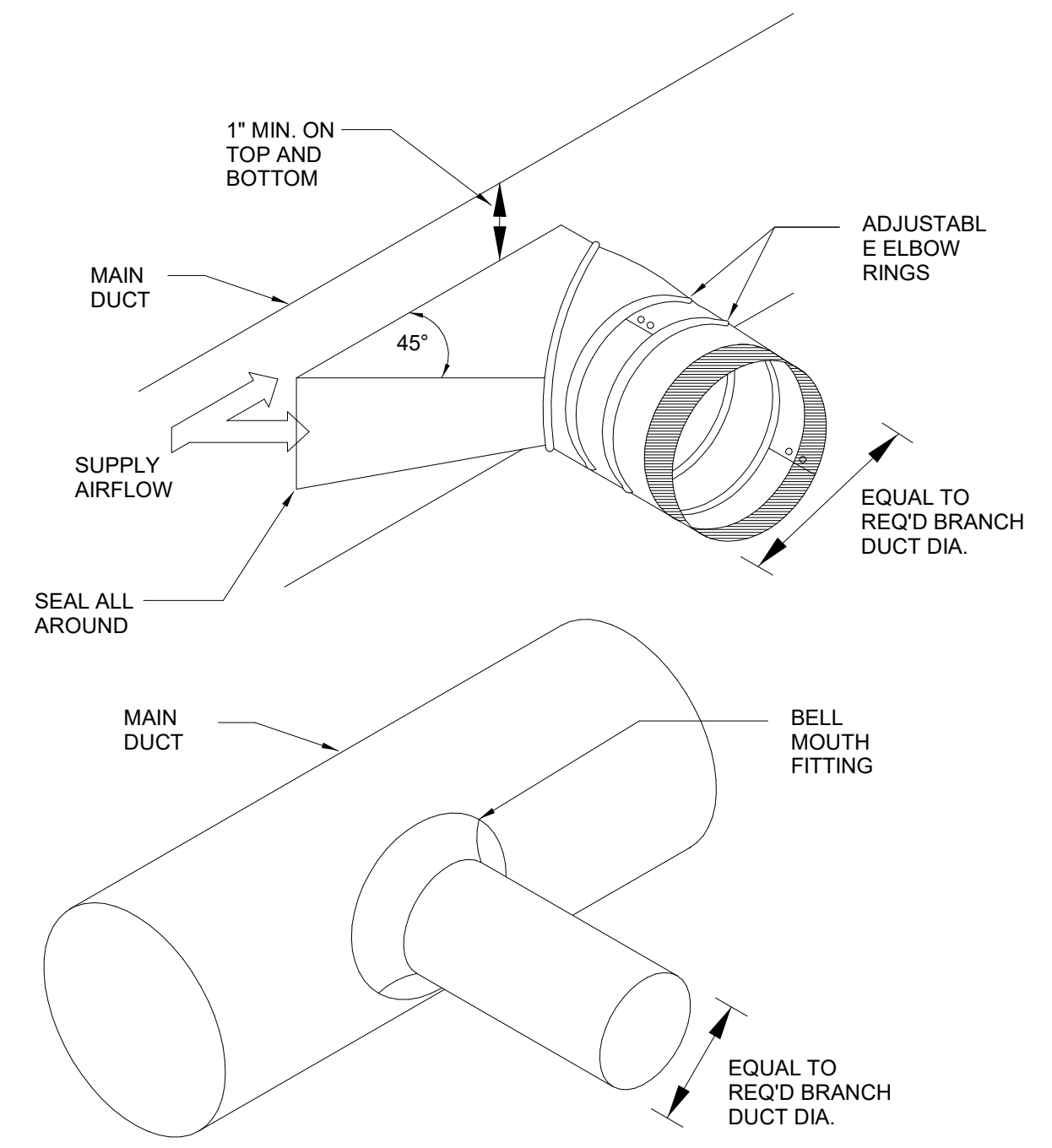
CEILING DIFFUSER SEE PLANS AND SCHEDULE



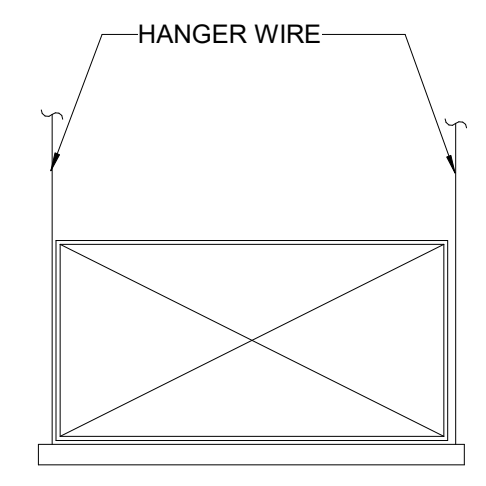
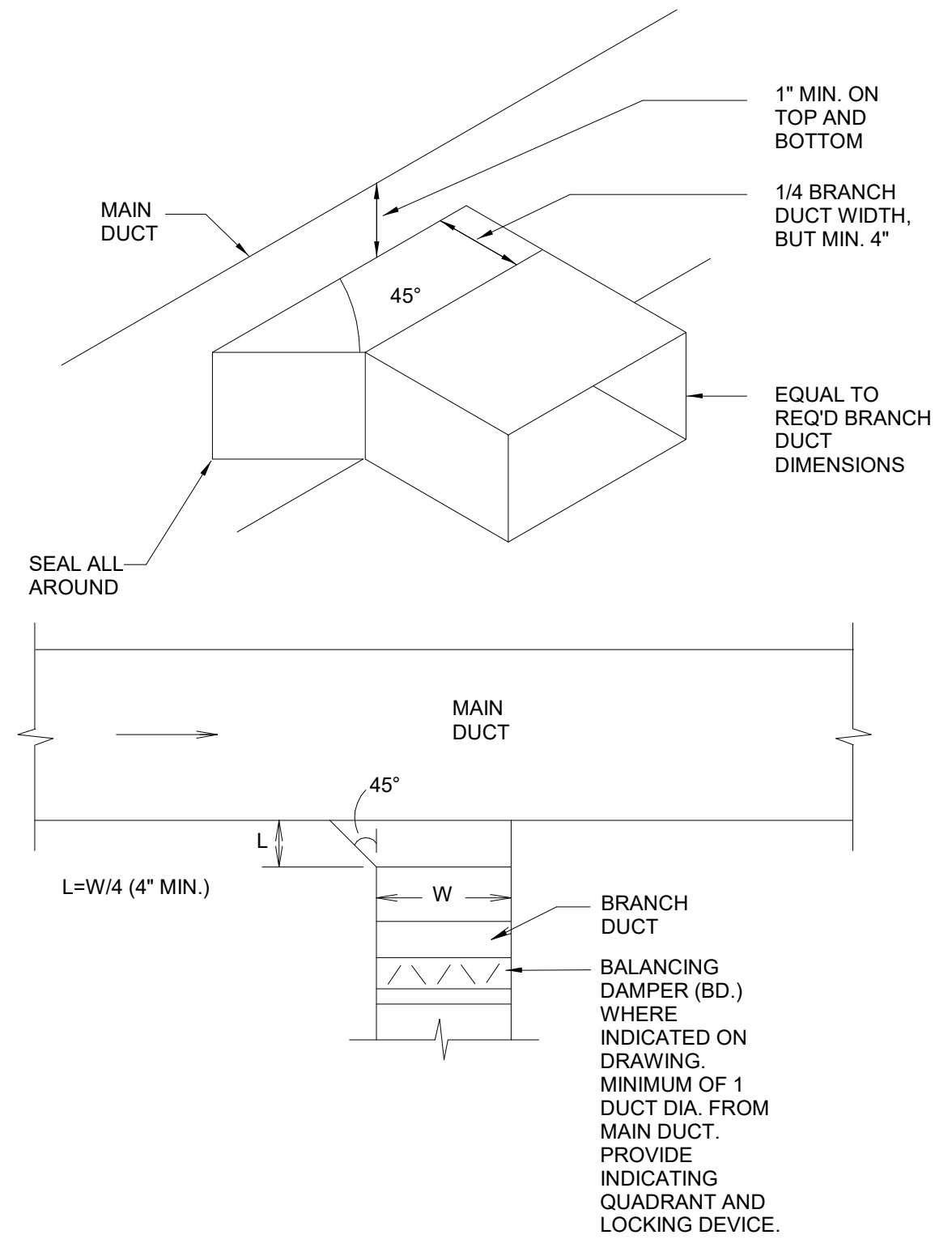
MAXIMUM ALLOWABLE DISTANCES	
Y	X
0'-6"	1"
6'-10"	2"
10'-116"	3"
16'-2'0"	4"
20'-2'6"	5"
2'6'-3'0"	6"

NOTE:
FLEXIBLE DUCT TOTAL OFFSET IN PLAN SHALL BE EQUAL TO OR LESS THAN THE VALUE SHOWN IN THIS DETAIL (IN ANY DIRECTION).

1 CEILING DIFFUSER DETAIL
M301 SCALE: N.T.S.

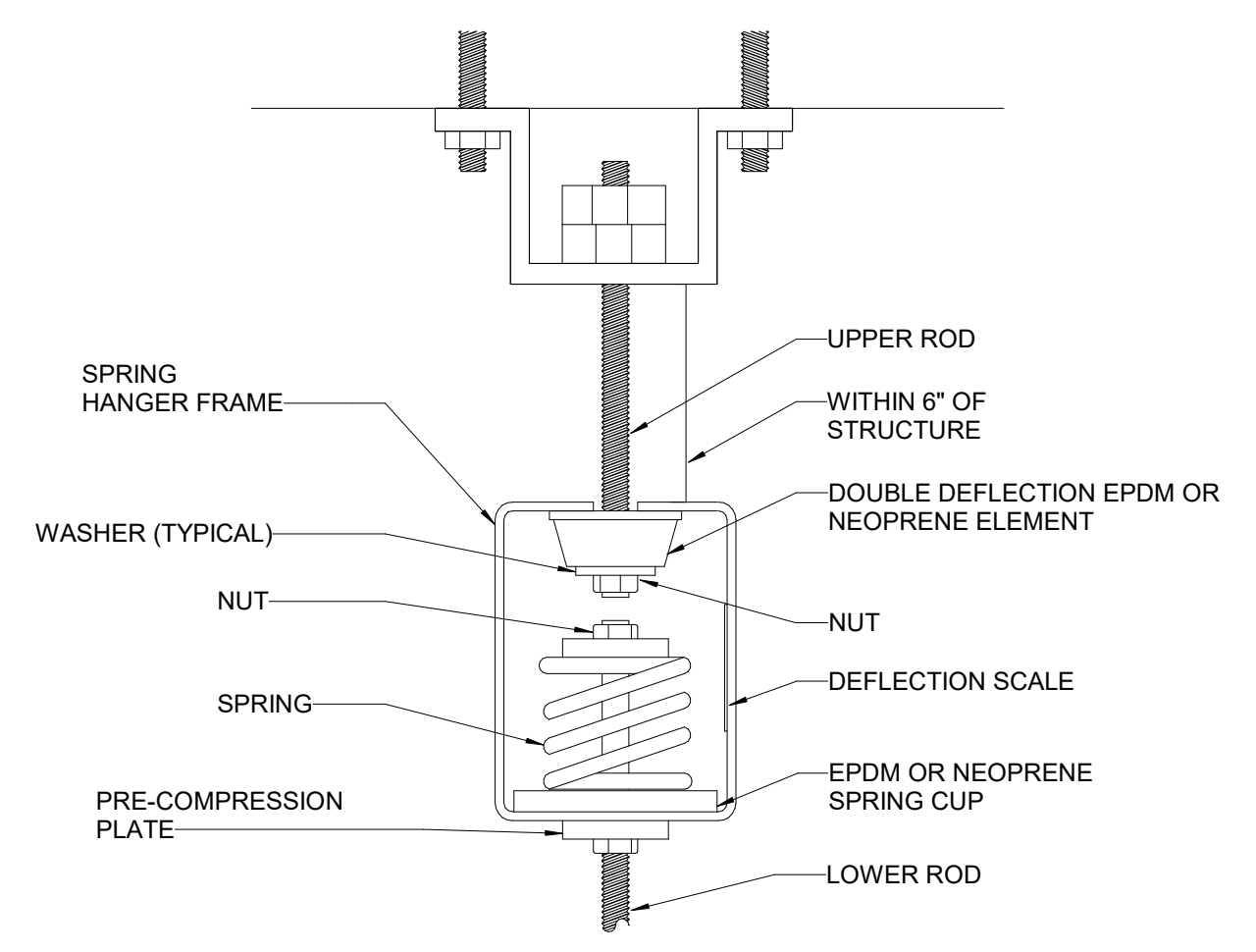


2 DUCT BRANCH DETAIL
M301 SCALE: N.T.S.



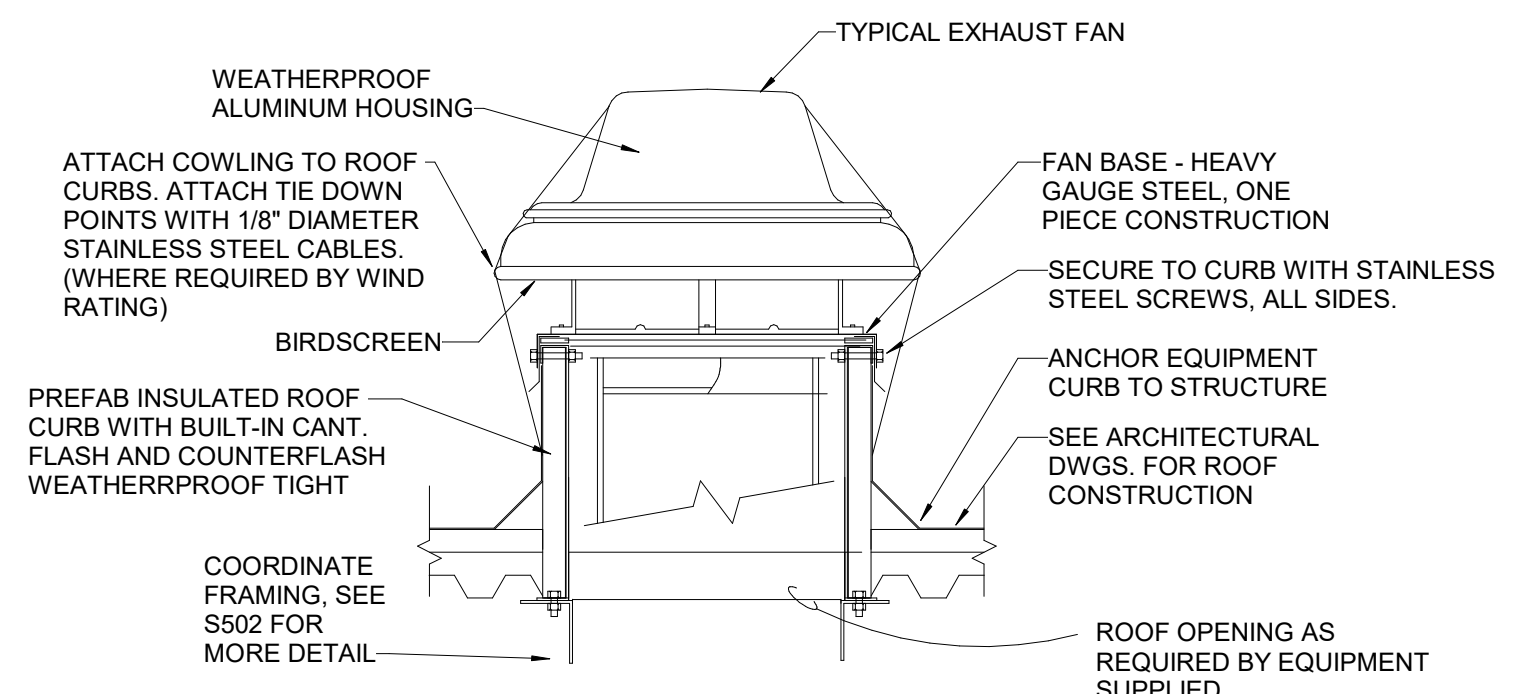
- NOTES:**
1. MAXIMUM SPACING BETWEEN HANGER LOCATIONS SHALL BE 8'-0" PER PAIR.
 2. REFER TO SMACNA FOR ADDITIONAL REQUIREMENTS.

3 DUCT HANGER DETAIL
M301 SCALE: N.T.S.



- NOTES:**
1. TYPICAL SPRING & NEOPRENE IN SERIES ISOLATOR DETAIL. OTHER TYPES OF VIBRATION ISOLATORS ARE SIMILAR.
 2. THE SPRING SHALL BE PRE-COMPRESSED SO THAT WHEN PROPERLY INSTALLED AND LOADED, THE SPRING IS ADJUSTED TO THE MID-POINT OF THE DEFLECTION SCALE.
 3. REFER TO THE SPECIFICATIONS FOR THE DEFLECTION REQUIREMENTS.

4 SPRING AND NEOPRENE ISOLATOR DETAIL
M301 SCALE: N.T.S.



- NOTES:**
1. PROVIDE NEMA 4X STAINLESS STEEL ELECTRICAL DISCONNECT, MOUNTED ON UNIT. RUN CONDUIT FOR ELECTRICAL POWER THROUGH CURB AND INSIDE FAN BASE.
 2. PROVIDE SELF-ACTING BACKDRAFT DAMPER, SECURED TO ROOF CURB
 3. PROVIDE TIE-DOWN POINTS AND ATTACH PER MANUFACTURER'S RECOMMENDATIONS.

5 EXHAUST FAN DETAIL (TYP.)
M301 SCALE: N.T.S.

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GAS/ELECTRIC ROFTOP UNIT (RTU) SCHEDULE																									
MARK	SERVES	COOLING								HEATING				BLOWER				ELECTRICAL			OPER. WEIGHT (LBS)	MFG	MODEL NUMBER	NOTES	
		TON	CAP MBH	ENT. COIL	LVG. COIL	OA DB °F	SEER	INPUT MBH	OUTPUT MBH	EFF %	CFM	ESP IN W.C.	HP (BHP)	O/A CFM	V/PH/Hz	MCA	MOCP								
RTU-1	LOBBY	5	55.4	37.7	77.3	64.5	51.5	50.7	96	16.1	67	54	81	1405	0.75	1785	(1.4)	315	208/3/60	31	45	768	CARRIER	48GCDM06	1-15
RTU-2	BACK OF HOUSE	4	43.8	42.3	82.3	62.4	53.4	51.2	96	16.1	67	54	81	1440	0.75	1900	(1.1)	200	208/3/60	27	30	723	CARRIER	48GCDM05	1-15
RTU-3	ATM VESTIBULE	3	30.5	30.5	80.7	60.6	56.2	51.3	96	16.1	67	54	81	1200	0.75	1836	(0.44)	50	208/3/60	22	30	681	CARRIER	48GCDM04	1-15

NOTES:

- EXTERNAL STATIC PRESSURE DOES NOT INCLUDE UNIT OR FILTER LOSSES.
- R-410A REFRIGERANT ONLY.
- FURNISH NON-FUSED DISCONNECT SWITCH WITH EXTERNAL HANDLE FOR INSTALLATION BY ELECTRICAL CONTRACTOR.
- PNC TO PROVIDE 14" HIGH FACTORY INSULATED ROOF CURB.
- PNC TO PROVIDE OUTSIDE AIR INTAKE HOOD.
- PNC TO PROVIDE WITH CONVENIENCE OUTLET AT UNIT.
- PNC TO PROVIDE WITH OUTSIDE AIR ENTHALPY CONTROLLED ECONOMIZER WITH BAROMETRIC RELIEF.
- PNC TO PROVIDE WITH FILTER RACK TO SUPPORT MINIMUM 2" FILTER. MECHANICAL CONTRACTOR TO PROVIDE 2" MERV 13 FILTER UPON SIGNIFICANT COMPLETION OF PROJECT.
- PNC TO PROVIDE WITH FACTORY INSTALLED DEMAND CONTROL VENTILATION.
- PNC TO PROVIDE WITH LOW AMBIENT KIT.
- MECHANICAL CONTRACTOR TO PROVIDE WITH SMOKE DETECTORS IN RETURN DUCTS PER CODE. CONTRACTOR TO OMIT OR DISABLE FACTORY INSTALLED SMOKE DETECTOR.
- MECHANICAL CONTRACTOR TO PROVIDE BURGLAR BARS FOR FIELD INSTALLATION.
- MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL NEEDLEPOINT BI-POLAR IONIZATION. BI-POLAR IONIZATION SHALL BE UL867 COMPLIANT. PART TO BE ORDERED UPON ACCEPTANCE OF PROJECT TO MEET LONG LEAD TIME ON PRODUCT. PROVIDE ATMOSAIR MATTERHORN 1002 OR APPROVED EQUAL. INTERLOCK WITH RTU TO OPERATE ONLY WHEN RTU FAN IS ON.
- MECHANICAL CONTRACTOR TO PROVIDE PROGRAMMABLE THERMOSTAT WITH SEPARATE SETPOINT TEMPERATURES FOR NORMAL AND SETBACK MODES; THERMOSTAT SHALL ACCEPT REMOTE NORMAL/SETBACK DIGITAL INPUTS. THERMOSTAT SHALL BE HARDWIRED HONEYWELL VISION PRO 8000.
- MECHANICAL CONTRACTOR TO PROVIDE CARBON DIOXIDE SENSOR AS SHOWN ON PLANS. INSTALL AT SAME HEIGHT AS LIGHT SWITCHES AND THERMOSTATS.

GRILLES, REGISTERS, AND DIFFUSERS									
MARK	DESCRIPTION	MFG / MODEL	CEILING / BORDER	FINISH COLOR	PANEL SIZE	MATERIAL	NECK SIZE	NOTES	
S1	PLAQUE FACE SUPPLY	TITUS / OMNI	LAY-IN / 3	WHITE	24"X24"	STEEL	SEE PLAN	1-5, 9	
S2	PLAQUE FACE SUPPLY	TITUS / OMNI	LAY-IN / 3	WHITE	12"X12"	STEEL	SEE PLAN	1-5, 9	
S3	SIDEWALL SUPPLY	TITUS / 300RS-HD	GYP / -	WHITE	SEE PLAN	STEEL	SEE PLAN	5, 7	
S4	DUCT MOUNTED SUPPLY	TITUS / S300FS	- / -	BLACK	SEE PLAN	ALUMINUM	SEE PLAN	7, 10, 11	
S5	LINEAR BAR GRILLE SUPPLY	TITUS / CT-481	- / -	WHITE	SEE PLAN	STEEL	SEE PLAN	5	
S6	PLAQUE FACE SUPPLY	TITUS / T3SQ-2	LAY-IN / 3	WHITE	24"X24"	STEEL	SEE PLAN	1-5, 9, 12-14	
R1	PLAQUE FACE RETURN	TITUS / OMNI	LAY-IN / 3	WHITE	24"X24"	STEEL	SEE PLAN	1-4, 6	
R2	LINEAR BAR GRILLE RETURN	TITUS / CT-480	- / -	WHITE	SEE PLAN	STEEL	SEE PLAN	8	
R3	LINEAR BAR GRILLE RETURN	TITUS / 300RS	- / -	WHITE	SEE PLAN	STEEL	SEE PLAN	8	
R4	PLAQUE FACE RETURN	TITUS / OMNI	LAY-IN / 3	WHITE	12"X12"	STEEL	SEE PLAN	1-4, 6	
E1	PLAQUE FACE EXHAUST	TITUS / OMNI	LAY-IN / 3	WHITE	12"X12"	STEEL	SEE PLAN	1-3, 5	
E2	SIDEWALL EXHAUST	TITUS / 355ZRL	GYP / 1	WHITE	SEE PLAN	STEEL	SEE PLAN	8	

NOTES:

- PROVIDE "RAPID MOUNT" FRAMES BORDER FOR GYPSUM BOARD CEILING OR LAY-IN FRAME WHERE REQUIRED. SEE ARCH CEILING PLANS. PLASTER FRAMES SHALL BE FACTORY PRIMED FOR FIELD PAINTING.
- CONFIRM FINISH WITH ARCHITECT AND PNC STANDARDS.
- PROVIDE MOUNTING CLIPS.
- PROVIDE MOLDED INSULATED BLANKET OR INSULATE THE BACKSIDE OF DIFFUSER PAN FOR SUPPLY APPLICATIONS.
- DUCT-MOUNTED VOLUME DAMPERS SHALL BE PROVIDED AT TAKE-OFF.
- PROVIDE WITH SQUARE TO ROUND ADAPTER WHERE APPLICABLE.
- PROVIDE REGISTER WITH DOUBLE DEFLECTION.
- PROVIDE REGISTER WITH 0 DEG DEFLECTION.
- CORE TO BE 1/2"x1/2"x1" ALUMINUM GRID.
- CONFIRM FINISH COLOR WITH ARCHITECT. COLOR TO MATCH DUCTWORK.
- PROVIDE AIR SCOOP DEVICE FOR AIR VOLUME ADJUSTMENT.
- PROVIDE POWER MODULE AND WIRING AS REQUIRED BY THE MFG.
- PROVIDE CONTROLLER/THERMOSTAT FOR EACH PRIMARY DIFFUSER AS SHOWN ON PLAN.
- PROVIDE WITH PRESSURE RELIEF RING.

EXHAUST FAN SCHEDULE											
MARK	SERVICE / TYPE	AREA SERVED	FAN			ELECTRICAL		MAX SONES	WEIGHT [LBS]	MANUFACTURER/MODEL	NOTES
			CFM	ESP [in WG]	RPM	HP (W)	V/PH/Hz				
EF-01	EXHAUST / ROOF	RESTROOM / JANITOR	200	0.2	1500	1/15	115/1/60	8.7	25	GREENHECK G-070-VG	1-6
EF-02	EXHAUST / INLINE	IT	300	0.3	1510	1/10	115/1/60	6.9	41	GREENHECK SQ-80-VG	1, 3, 4, 7-9

NOTES:

- PROVIDE 14" TALL FACTORY INSULATED ROOF CURB WITH INTEGRAL GRAVITY BACKDRAFT DAMPER.
 - PROVIDE ANTI-BLOWING RAIN INTERNAL WIND BAND AND NEMA 3R EXTERNAL TYPE DISCONNECT SWITCH.
 - PROVIDE NEMA-1 DISCONNECT SWITCH.
 - PROVIDE WITH FAN SPEED CONTROLLER.
 - PROVIDE BIRD SCREEN.
 - FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS VIA LUTRON PANEL.
 - FAN SHALL TO BE RUN BASED ON THERMOSTAT SET AT 80 DEGREES. THERMOSTAT SHALL BE BARBER COLMAN TC-1161. PROVIDED BY MECHANICAL CONTRACTOR.
 - PROVIDE BACKDRAFT DAMPER.
 - PROVIDE VIBRATION ISOLATION HANGER KIT. REFER TO INLINE FAN DETAIL.
- FANS SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

RADIANT COVE HEATER SCHEDULE							
MARK	SERVICE	QUANTITY	LENGTH [IN]	WATTAGE	V / PH / A	MANUFACTURER - MODEL	NOTES
EH-1	VESTIBULE	1	94	1200	208 / 1 / 7.2	QMARK - RCC12008C	1-2

NOTES:

- PROVIDE WITH INTEGRAL THERMOSTAT, NEMA 1 ENCLOSURE PANEL, AND MOUNTING BRACKETS.
- PROVIDE MODEL WITH DOVE GRAY COLORING.

CARRIER NATIONAL ACCOUNTS HVAC EQUIPMENT PACKAGE. PNC BANK HAS A NATIONAL HVAC AGREEMENT WITH CARRIER NATIONAL ACCOUNTS. THE HVAC EQUIPMENT SHALL BE PURCHASED BY PNC BANK OR DESIGNATED PNC BANK REPRESENTATIVE AS DIRECTED. ALL EQUIPMENT SHALL BE PURCHASED DIRECTLY FROM CARRIER NATIONAL ACCOUNTS - NO EXCEPTIONS. FOR PRICE QUOTES, PROJECT SUBMITTALS, AND QUESTIONS REGARDING TECHNICAL SPECIFICATIONS CONTACT CARRIER NATIONAL ACCOUNTS, RIANNE PARKER AT 315-432-6224 OR EMAIL: NATIONALACCOUNTS@CARRIER.COM.



Project Information

Energy Code: 2018 IECC
 Project Title: Lees Summit, Missouri
 Location: 4a
 Climate Zone: 4a
 Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Mechanical Systems List

Quantity System Type & Description

- RTU-1 (Single Zone):
 Heating: 1 each - Central Furnace, Gas, Capacity = 67 kBtu/h
 Proposed Efficiency = 81.00% Et. Required Efficiency: 80.00 % Et or 80% AFUE
 Cooling: 1 each - Single Package DX Unit, Capacity = 55 kBtu/h, Air-Cooled Condenser, Air Economizer
 Proposed Efficiency = 16.10 SEER, Required Efficiency: 14.00 SEER
 Fan System: RTU-1 -- Compliance (Motor nameplate HP method) : Passes
 Fans:
 FAN 1 Supply, Constant Volume, 1405 CFM, 1.4 motor nameplate hp, 0.0 fan efficiency grade
- RTU-2 (Single Zone):
 Heating: 1 each - Central Furnace, Gas, Capacity = 67 kBtu/h
 Proposed Efficiency = 81.00% Et. Required Efficiency: 80.00 % Et or 80% AFUE
 Cooling: 1 each - Single Package DX Unit, Capacity = 44 kBtu/h, Air-Cooled Condenser, Air Economizer
 Proposed Efficiency = 16.10 SEER, Required Efficiency: 14.00 SEER
 Fan System: RTU-2 -- Compliance (Motor nameplate HP method) : Passes
 Fans:
 FAN 2 Supply, Constant Volume, 1440 CFM, 1.1 motor nameplate hp, 0.0 fan efficiency grade
- RTU-3 (Single Zone):
 Heating: 1 each - Central Furnace, Gas, Capacity = 67 kBtu/h
 Proposed Efficiency = 81.00% Et. Required Efficiency: 80.00 % Et or 80% AFUE
 Cooling: 1 each - Single Package DX Unit, Capacity = 31 kBtu/h, Air-Cooled Condenser, Air Economizer
 Proposed Efficiency = 16.10 SEER, Required Efficiency: 14.00 SEER
 Fan System: RTU-3 -- Compliance (Motor nameplate HP method) : Passes
 Fans:
 FAN 3 Supply, Constant Volume, 1200 CFM, 0.5 motor nameplate hp, 0.0 fan efficiency grade
- EH-1 (Single Zone):
 Heating: 1 each - Radiant Heater, Electric, Capacity = 4 kBtu/h
 No minimum efficiency requirement applies
 Fan System: None
- EWH-1:
 Electric Storage Water Heater, Capacity: 6 gallons
 Proposed Efficiency: 4.80 SL, %/h (if > 12 kW), Required Efficiency: 4.80 SL, %/h (if > 12 kW)

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical 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.

BRETT METCALF - MECHANICAL ENGINEER
 Name - Title Signature Date 01/27/2022



PROJECT TITLE:
 PNC NO LEE'S SUMMIT
 GROUND UP BRANCH

PROJECT ADDRESS:
 LEE'S SUMMIT, MO
 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081



REVISIONS		
NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/22
 REVIEWED BY: BAM
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 DESIGNED BY: BWU
 PROJECT NUMBER:
 5240368028
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SHEET TITLE:
 MECHANICAL
 SCHEDULES

SHEET ID:
 M401

PROJECT STATUS:
 CONSTRUCTION DOCUMENTS

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GENERAL PLUMBING NOTES

- ALL WORK SHALL COMPLY WITH THE CURRENT INTERNATIONAL BUILDING, PLUMBING AND MECHANICAL CODES, AS WELL AS ANY OTHER AUTHORITY HAVING JURISDICTION.
- COORDINATE PLUMBING WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID INTERFERENCE AND MAINTAIN CLEARANCES. INDICATE ACCESS AREA REQUIRED ON COORDINATED SHOP DRAWINGS FOR MECHANICAL EQUIPMENT ROOMS.
- FURNISH APPROVED OPERATING INSTRUCTIONS FOR SYSTEMS AND EQUIPMENT. THE OPERATING INSTRUCTIONS SHALL INCLUDE WIRING DIAGRAMS, CONTROL SCHEMATICS, AND PROGRAMMING INSTRUCTIONS FOR EACH SYSTEM. PRINT OR ENGRAVE OPERATING INSTRUCTIONS AND FRAME UNDER GLASS OR IN APPROVED LAMINATED PLASTIC. POST INSTRUCTIONS WHERE DIRECTED. INSTRUCTIONS SHALL INCLUDE START-UP, OPERATING, SHUTDOWN, SAFETY PRECAUTIONS AND PROCEDURE IN THE EVENT OF EQUIPMENT FAILURE.
- WHERE INSTALLATION PROCEDURES OR ANY PART THEREOF ARE REQUIRED TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FURNISH PRINTED COPIES OF THE RECOMMENDATIONS PRIOR TO INSTALLATION.
- ALL EQUIPMENT AND MATERIALS PROVIDED FOR THIS PROJECT SHALL BE NEW AND FREE FROM DEFECTS.
- PROVIDE PERMANENT IDENTIFICATION PLATES FOR ALL EQUIPMENT AND PLASTIC PIPE MARKERS ON ALL PIPING SYSTEMS. PROVIDE VALVE TAGS FOR ALL VALVES. DUCTWORK JACKETS AND SIMILAR FINISHES MAY BE IDENTIFIED WITH STENCIL PAINTING.
- PROVIDE SLEEVES FOR ALL PIPING PENETRATIONS. PLACE SLEEVES PRIOR TO COMPLETION OF WALL OR FLOOR CONSTRUCTION WHERE POSSIBLE.
- ALL PENETRATIONS AND OPENINGS IN FIRE-RATED WALLS OR OTHER CONSTRUCTION SHALL BE CLOSED AND SEALED WITH AN APPROVED FIRESTOPPING MATERIAL IN ACCORDANCE WITH UL FIRE RESISTANCE DIRECTORY DETAILS AND PRODUCT MANUFACTURER'S INSTRUCTIONS.
- SELECT AND INSTALL PIPE SUPPORTS AND ANCHORS IN ACCORDANCE WITH MSS SP 58 AND SP 69. PROVIDE SINGLE OR MULTIPLE HANGERS AS APPROPRIATE. PROVIDE HANGERS WITH ADJUSTABLE MEANS FOR CONTROLLING THE LEVEL OR SLOPE OF PIPES.
- INSULATE ALL POTABLE COLD WATER PIPING. INSULATE ALL POTABLE HOT WATER PIPING.
- ALL PIPE INSULATION WITHIN THE BUILDING SHALL BE ASTM C547, CLASS 1 PREFORMED FIBERGLASS PIPE INSULATION WITH AN ALL-SERVICE VAPOR-BARRIER JACKET. 1/2-INCH THICK FOR PIPE SIZES UP TO AND INCLUDING 1-1/4 INCHES. 1-INCH THICK FOR PIPE SIZES 1-1/2 AND 2 INCHES. MAXIMUM FLAME-SPREAD/ SMOKE-DEVELOPED RATINGS SHALL BE 25/50 WHEN TESTED IN ACCORDANCE WITH ASTM E-84. ASTM C534, TYPE I FLEXIBLE UNICELLULAR INSULATION, 3/4-INCH THICK, MAY BE USED IN EXTERIOR LOCATIONS ONLY. PROVIDE A UV-RESISTANT COATING OR JACKET ON ALL EXTERIOR INSULATION.
- DOMESTIC WATER PIPING SHALL BE HARD COPPER TUBING, ASTM B88, TYPE L WATER TUBE, DRAWN TEMPER, WITH ASME B16.22 WROUGHT-COPPER, SOLDER-JOINT PRESSURE FITTINGS.
- ABOVE-GRADE SANITARY AND STORM PIPE AND FITTINGS SHALL BE HUBLESS CAST IRON CONFORMING TO CISPI 301. COUPLINGS SHALL BE CISPI 310, HAVING ASTM C564 NEOPRENE SEALING SLEEVE, WITH 300 SERIES STAINLESS-STEEL CORRUGATED SHIELD-AND-CLAMP ASSEMBLY.
- ALL PIPING SHALL BE INSTALLED PLUMB AND PARALLEL TO BUILDING LINES, AND SUPPORTED IN ACCORDANCE WITH GENERAL REQUIREMENTS SPECIFIED ABOVE.
- TEST FOR LEAKS AND DEFECTS IN DOMESTIC WATER SYSTEMS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST SYSTEM OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED. PREPARE REPORTS FOR TESTS AND REQUIRED CORRECTIVE ACTION. PERFORM PRESSURE TESTS PRIOR TO MAKING EQUIPMENT AND FIXTURE CONNECTIONS.
- BALL VALVES SHALL BE MSS SP-110, BRONZE, 2-PIECE BODY, FULL PORT.
- WATER HAMMER ARRESTERS SHALL BE ASME A112.26.1M, ASSE 1010, OR PDI WH-201, BELLOWS TYPE WITH PRESSURIZED CUSHIONING CHAMBER.
- COPPER UNIONS SHALL BE ASME B16.18 CAST-COPPER-ALLOY BODY, HEXAGONAL STOCK, WITH BALL-AND-SOCKET JOINT, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT, THREADED, OR SOLDER-JOINT AND THREADED ENDS.
- TRAP SEAL PRIMER VALVES SHALL BE ASSE 1018, 20-80-PSIG WORKING PRESSURE.
- CLEANOUTS IN FINISHED ROOMS FLUSH WITH WALL SHALL BE SMITH 4530 SERIES OR EQUAL.
- REFER TO PLUMBING SCHEDULES FOR FIXTURE AND EQUIPMENT REQUIREMENTS. MANUFACTURERS AND MODEL ESTABLISH STANDARDS FOR FIXTURE QUALITY. EQUIVALENT FIXTURES AND EQUIPMENT BY OTHER MANUFACTURERS MAY BE SUBMITTED FOR APPROVAL. INSTALL FIXTURES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ALL EQUIPMENT AND MATERIALS WITHIN THE PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPMENT INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- COORDINATE ALL CORE DRILLING AND CONSTRUCTION BELOW SLAB WITH OWNER.
- CONTRACTOR SHALL VERIFY EXISTING POINTS OF CONNECTION FOR DOMESTIC WATER, WASTE, AND VENTS.
- INSULATE COMPLETE WATER SUPPLIES AND P-TRAPS TO HANDICAPPED LAVATORIES WITH MOLDED AND JACKETED ASSEMBLIES WHICH PROVIDE ACCESS FOR ANGLE STOPS.
- UNDERGROUND SANITARY AND STORM PIPING SHALL BE PVC DRAINAGE DRAINAGE PIPING, ASTM D2665, SCHEDULE 40, PLAIN ENDS, WITH SCHEDULE-80, ASTM D2665 FITTINGS, MADE TO ASTM D3311 SOCKET-TYPE DRAIN, WASTE, AND VENT PIPE PATTERNS. TRANSITION TO ABOVE GROUND PIPINGS SHALL OCCUR MAX 4' ABOVE SLAB.

CODES AND STANDARDS

THE FOLLOWING CODES, INCLUDING LOCAL AMENDMENTS ADOPTED BY THE CITY OF LEE'S SUMMIT, MISSOURI APPLY TO THIS PROJECT:

- 2018 INTERNATIONAL BUILDING CODE AND LOCAL AMENDMENTS
- 2017 NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS
- 2018 INTERNATIONAL FIRE CODE AND LOCAL AMENDMENTS
- 2018 INTERNATIONAL FUEL GAS CODE AND LOCAL AMENDMENTS
- 2018 INTERNATIONAL MECHANICAL CODE AND LOCAL AMENDMENTS
- 2018 INTERNATIONAL PLUMBING CODE AND LOCAL AMENDMENTS
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE AND LOCAL AMENDMENTS
- STATE OF MO ACCESSIBILITY STANDARDS

PLUMBING EQUIPMENT SCHEDULE

MARK	BASIS OF DESIGN	DESCRIPTION / ACCESSORIES	BRANCH LINE SIZES			
			W	V	CW	HW
W1	MANFIELD #QUANTUMONE 148-153	WHITE, ELONGATED BOWL, VITREOUS CHINA, FLOOR MOUNTED, ADA COMPLIANT, PRESSURE ASSISTED 1.0 GPF TANK TOILET WITH FLUSH OPERATOR FACING OPEN SIDE OF ROOM, CHURCH #90353CT SOLID PLASTIC OPEN FRONT SEAT WITH SELF-SUSTAINING CHECK HINGE WITH STAINLESS STEEL POSTS. MCGUIRE #LFBV2165 WITH QUARTER TURN KEY CHROME PLATED BRASS ANGLE STOP.	4"	2"	1/2"	-
L1	AMERICAN STANDARD #0356.115	20-1/2" x 18-1/4" WHITE, VITREOUS CHINA, WALL-MOUNTED LAVATORY; SLOAN #EAF-100-HLT-CP-0.35GPM-MLM-IR-IQ-FCT, CHROME, HARDWIRED FAUCET. PROVIDE WITH SLOAN #EAF-70 TRANSFORMER FOR ELECTRICAL CONNECTION. COORDINATE INSTALLATION OF BOX WITH ELECTRICAL CONTRACTOR. BOX TO BE INSTALLED HIGH UP UNDER SINK TO BE CONCEALED BUT FREE OF PIPING INTERFERENCES. PROVIDE WITH ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE; MCGUIRE #155WC 1-1/4" CHROME PLATED BRASS GRID STRAINER WITH OFFSET TAILPIECE; ZURN #Z1021 WATER SAVER P-TRAP; MCGUIRE #8872 1-1/4" 17 GAUGE CHROME PLATED BRASS P-TRAP; MCGUIRE #LFBV2165 WITH QUARTER TURN KEY CHROME PLATED BRASS ANGLE STOP; TRUEBRO #103 E-Z PROTECTIVE PIPE COVER KIT. MOUNT LAVATORY AT HANDICAPPED HEIGHT WITH J.R. SMITH #0710 FLOOR MOUNTED LAVATORY SUPPORT WITH CONCEALED ARMS.	1-1/2"	1-1/2"	1/2"	1/2"
S1	ELKAY #LRAD-1919-65	19" x 19" x 6-1/2" DEEP, SINGLE COMPARTMENT, STAINLESS STEEL COUNTERTOP SINK WITH THREE HOLE CONFIGURATION; SLOAN #EBF-775-8-TEE-CP-0.5GPM-LAM-IR-FBT-FCT POLISHED CHROME PLATED BRASS, SENSOR OPERATED, HARDWIRED, LEAD FREE FAUCET WITH GOOSENECK STYLE SPOUT, 0.5GM; PROVIDE WITH SLOAN #EAF-70 TRANSFORMER FOR ELECTRICAL CONNECTION. COORDINATE INSTALLATION OF BOX WITH ELECTRICAL CONTRACTOR. BOX TO BE INSTALLED HIGH UP UNDER SINK TO BE CONCEALED BUT FREE OF PIPING INTERFERENCES. PROVIDE WITH ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE; ELKAY #K168 CHROME PLATED BRASS STRAINER; MCGUIRE #LFBV2165 WITH QUARTER TURN KEY CHROME PLATED BRASS ANGLE STOP; TRUEBRO MODEL #102 E-Z AND #EX100 E-Z PROTECTIVE PIPE COVER KITS.	1-1/2"	1-1/2"	1/2"	1/2"
WB1	GUY GRAY #SSMIB1AB	MINI STAINLESS STEEL WALL BOX FOR REFRIGERATOR WATER SUPPLY; BRASS PLATED, QUARTER TURN, LEAD FREE VALVE WITH 1/2" SWEAT CONNECTION.	-	-	1/2"	-
FD1	ZURN #Z415B	FLOOR DRAIN WITH CAST IRON BODY. COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR, 5" ADJUSTABLE POLISHED NICKEL BRONZE STRAINER, SEDIMENT BUCKET, AND SEEPAGE OPENINGS. PROVIDE WITH DEEP SEAL P-TRAP AND SURE SEAL #SS3009V WATERLESS INLINE 3" DRAIN TRAP SEAL.	3"	2"	-	-
EW1	A.O. SMITH #EJC-6	ELECTRIC WATER HEATER: 6 GALLON STORAGE CAPACITY WITH (1) 1.5 KW ELEMENT; 208 VOLTS, 1 PHASE; EXPANSION TANK; AMTROL MODEL #MST SERIES TANK INLINE TYPE; 115V/PHASE RECIRCULATION PUMP; TACO MODEL #007; DIGITAL TIMER; TACO MODEL #265-3; AQUASTAT; TACO MODEL #563-2. MOUNT WATER HEATER ON PRE-MANUFACTURED WALL-MOUNTED WATER HEATER PLATFORM (HOLDRITE QUICK STAND #30-SWHP-WM). REFER TO DETAIL 1/P301.	-	-	3/4" IN	3/4" OUT
J1	STERN WILLIAMS #ELFIN	24"X24"X10" DEEP MOLDED STONE MOP SERVICE BASIN. ZURN #Z834M1-XL CHROME PLATED BRASS SERVICE FAUCET WITH INT. INTEGRAL STOPS, VACUUM BREAKER, 3/4" THREADED HOSE OUTLET, PAIL HOOK, AND ADJUSTABLE WALL BRACE; FIAT #832-AA HOSE AND HOSE BRACKET; FIAT #889-CC MOP HANGER; FIAT #MSG-2424 STAINLESS STEEL WALL GUARD.	3"	2"	1/2"	1/2"
BFP1	WATTS MODEL #009QT	LEAD FREE, SILICON BRONZE, REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH (2) QUARTER-TURN BALL VALVES (SIZE EQUAL TO LINE SIZE). DRAIN RELIEF VALVE TO JANITORS SINK. MOUNT AT 44" AFF.	-	-	-	-
DF1	ELKAY EHZ20 #EZOOTL8WSLK	BARRIER FREE, WALL MOUNTED, HANDS-FREE BOTTLE FILLING STATION AND B/L LEVEL (HANDICAPPED AND STANDARD HEIGHTS), FILTERED VANDAL RESISTANT, STAINLESS STEEL ELECTRIC WATER COOLER WITH FRONT AND SIDE BUBBLER, 8 GPH, PROVIDE WITH 1-1/4" P-TRAPS; MCGUIRE #LFBV2165 WITH QUARTER TURN KEY CHROME PLATED BRASS ANGLE STOP. 115V/60HZ, 6 FLA, 370 WATTS. PROVIDE WITH IN WALL CARRIER KIT ELKAY #MLP200. ALTERNATE MODEL ELKAY #EZSTL8WSLK IF LEAD TIME ISSUES EXIST FOR LISTED MODEL.	2"	2"	1/2"	-
RD	JR SMITH #1340-CL-AD	CANOPY ROOF DRAIN WITH ADJUSTABLE EXTENSION, CAST IRON BODY. SECONDARY FLASHING CLAMP TO ACCOMMODATE MINIMUM 2" ROOF INSULATION. PROVIDE WITH UNDERDECK CLAMP, SUMP RECEIVER, AND CAST IRON DOME. COORDINATE WITH ROOF INSULATION BEFORE ORDERING AND ADJUST AS REQUIRED WITH ADDITIONAL EXTENSION AND FLASHING CLAMPS). SIZE PER PLANS. PROVIDE 90° ELBOW CONFIGURATION FOR CANOPY INSTALLATIONS.	-	-	-	-
DN	ZURN #Z199	DOWNSPOUT NOZZLE WITH NICKEL BRONZE BODY, DECORATIVE FACE OFF WALL FLANGE, AND BIRD SCREEN. SIZE PER PLANS.	-	-	-	-
WH	WOODFORD #865	AUTOMATIC DRAINING, FREEZELESS, WALL HYDRANT WITH SINGLE CHECK HOSE CONNECTION ANTI-SIPHON VACUUM BREAKER, TEE KEY, HARDENED STAINLESS STEEL STEM, AND CHROME BOX AND DOOR.	3/4"	-	-	-
RH	WOODFORD #RH1Y1-MS	FREEZELESS ROOF HYDRANT WITH MOUNTING SYSTEM; BRASS NOZZLE WITH HOSE CONNECTION, 100 PSI MAX WORKING PRESSURE, AND 1/8" NPT DRAIN HOLE; CAST IRON HYDRANT SUPPORT AND UNDER DECK FLANGE, WELL SEAL, AND EPDM BOOT.	1/8"	-	1"	-

NOTES:

- CONNECTION SIZES THAT ARE SHOWN ARE MINIMUM.
- NO FLEXIBLE PIPING IS PERMITTED FOR ANY PLUMBING FIXTURE. NO EXCEPTIONS.
- CONFIRM LEAD TIMES DO NOT CONFLICT WITH PROJECT SCHEDULE.

WATER HAMMER ARRESTER SCHEDULE

MARK	P.D.I. RATING	FIXTURE UNITS CAPACITY	MINIMUM PIPE SIZE	PCN/FIC. NO.	NOTES
WA	A	1 - 11	3/4"	5005	1.2,3
WB	B	12 - 32	1"	5010	1.2,3
WC	C	33 - 60	1"	5020	1.2,3
WD	D	61 - 113	1"	5030	1.2,3
WE	E	114 - 154	1"	5040	1.2,3
WF	F	155 - 330	1"	5050	1.2,3

NOTES:

- PROVIDE ARRESTERS ETC., AS NOTED HEREIN AND PER STANDARD PDI WH201 AT EACH FIXTURE GROUP AND INDIVIDUAL FIXTURE. ARRESTERS SHALL BE AS MANUFACTURED BY JAY R. SMITH, OR APPROVED EQUAL. INSTALL ARRESTERS WHERE SHOWN, IF INDICATED. ARRESTERS MAY NOT BE GRAPHICALLY INDICATED. INSTALL ARRESTERS, ETC., CONCEALED BEHIND WALLS UNLESS OTHERWISE NOTED.
- ARRESTERS SHALL BE STAINLESS STEEL BELLOWS TYPE CERTIFIED UNDER STANDARDS PDI-WH201 & ASSE-1010, SUPERSEDING SPECIFICATIONS; PISTON TYPE ARRESTERS ARE UNACCEPTABLE. ARRESTERS SHALL BE CONSTRUCTED ENTIRELY OF STAINLESS STEEL AND BE PRECHARGED AND PERMANENTLY SEALED AT THE FACTORY.
- PROVIDE BALL VALVE (BV) BETWEEN SUPPLY PIPE & ARRESTER. ARRESTERS AND BV SHALL BE ACCESSIBLE. PROVIDE AP WHERE REQUIRED TO ACHIEVE ACCESS. ACCESS PANELS SHALL BE AS MANUFACTURED BY MIFAB OR APPROVED EQUAL, SERIES CAD-DW, CAD-PL OR MPFR FOR WALLS OR CEILINGS WITH 5/8" RECESSED FACE TO BE FILLED WITH TILE, DRYWALL, ETC., TO MATCH SURROUNDING SURFACE FINISHES. PROVIDE FIRE RATED ACCESS DOORS IN FIRE RATED CONSTRUCTION. REFER TO ARCHITECTURAL AND LIFE SAFETY PLANS FOR FIRE RATINGS OF WALLS, CEILINGS AND FLOORS. INSTALL WATER HAMMER ARRESTERS AND ASSOCIATED TRIM IN UPRIGHT VERTICAL POSITION IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND THE INTERNATIONAL PLUMBING CODE, 2018 EDITION. EXPOSED PIPING BELOW LAVATORIES AND IN FINISHED SPACES SHALL BE CHROMIUM PLATED OR STAINLESS STEEL TUBING.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	S OR W	SANITARY OR WASTE PIPING
	V	SANITARY OR WASTE VENT PIPING
	ST	STORM PIPING
	CW	DOMESTIC COLD WATER PIPING
	HW	DOMESTIC HOT WATER PIPING (115° F NOMINAL)
	HWR	DOMESTIC HOT WATER RETURN PIPING (115° F NOMINAL)
	BV	BRONZE FULL PORT, TWO PIECE BALL VALVE, THREADED WITH UNION
	WHA	WATER HAMMER ARRESTER - BELLOWS TYPE (LAST LETTER INDICATES PDI RATING)
		ELBOW, PLAN VIEW (90°)
		ELBOW, PLAN VIEW (45°)
		ELBOW, TURNING DOWNWARD, PLAN VIEW
		ELBOW, TURNING UPWARD, PLAN VIEW
		BRANCH TEE OUT OF TOP OF PIPING, PLAN VIEW
		BRANCH TEE OUT OF BOTTOM OF PIPING, PLAN VIEW
		BRANCH TEE OUT OF SIDE OF PIPING, PLAN VIEW
		DRAINAGE WYE, PLAN VIEW
		DRAINAGE COMBINATION WYE AND ONE-EIGHTH BEND, PLAN VIEW
	FCO	CAST IRON FLOOR CLEANOUT, BRONZE PLUG, ROUND NICKEL BRONZE TOP
	WCO	CAST IRON WALL CLEANOUT TEE, BRONZE PLUG, WITH CHROME PLATED BRONZE FRAME & ACCESS COVER
	VTR	VENT THRU ROOF, STONEMAN VANDALPROOFVENT FLASHING ASSEMBLY WITH SKIRT
	FD1/FD2	FLOOR DRAIN WITH CAST IRON DEEP SEAL TRAP & PRIMER TAP
	TP	TRAP PRIMER PIPING - TYPE L SOFT COPPER TUBING - NO FITTINGS BELOW FLOOR - SLOPE TO DRAIN
	AP	ACCESS PANEL, RECESSED, FLUSH ENAMELED STEEL, LOCKING, FIRE RATED IN RATED CONSTRUCTION
		PLUMBING KEYED NOTE
		PLAN/SECTION LETTER OR DETAIL NUMBER/RISER DIAGRAM IDENTIFICATION
		SHEET NUMBER WHERE PLAN, SECTION, DETAIL OR RISER DIAGRAM IS DRAWN
	AFF	ABOVE FINISHED FLOOR - REFERENCE TO TOP OF FINISHED FLOOR ELEVATION
	DWV	DRAINAGE WASTE AND VENT
	TYP	TYPICAL AND/OR TYPICAL AS SHOWN
	UNON	UNLESS OTHERWISE NOTED
	AC OR ABV. CLG.	ABOVE CEILING (GENERALLY INDICATES NOTED PIPING INSTALLED ABOVE CEILING)
	BF OR BEL. FLR.	BELOW FLOOR (GENERALLY INDICATES NOTED PIPING INSTALLED BELOW FLOOR)
		CONNECT TO EXISTING
		DEMO LIMIT



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PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:

LEE'S SUMMIT, MO
WEST PRYOR DEVELOPMENT, LOT
9A
NEW PRYOR RD. & NW SUMMIT
WOODS XING
LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/22
REVIEWED BY: BAM
DRAWN BY: BWU
DESIGNED BY: BWU

PROJECT NUMBER:
5240368028
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SHEET TITLE:

PLUMBING NOTES,
LEGEND,
ABBREVIATIONS

SHEET ID:

P001

PROJECT STATUS:

CONSTRUCTION DOCUMENTS

2/15/2022 8:44:10 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/524-0368-017_PNC MO Lees Summit_MP_R22.rvt

PLUMBING GENERAL NOTES

1. NO PLUMBING SHALL PASS OVER IT ROOM.
2. CONTRACTOR TO COORDINATE ROUTING OF ALL PLUMBING LINES WITH EXISTING STRUCTURE.
3. ALL ABOVE GRADE SANITARY AND VENT PIPE SHALL BE NO-HUB CAST IRON.
4. X-RAY FLOOR PRIOR TO SAW CUTTING/CORING IN ORDER TO AVOID CONFLICTS IN AND BELOW FLOOR. NOTIFY ENGINEER OF ANY CONFLICTS WITH DESIGN INTENT.
5. MAINTAIN MINIMUM DISTANCE OF 10' FROM PLUMBING VENT TO ANY FRESH AIR INTAKE ON ROOF.
6. NO MECHANICAL TRAP PRIMERS ARE PERMITTED. REFER TO DETAIL 3/P301. ALL FLOOR DRAIN P-TRAPS TO BE SERVED BY GRAVITY TRAP PRIMERS.



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 GROUND UP BRANCH**

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 WEST PRYOR DEVELOPMENT, LOT
 9A
 NEW PRYOR RD. & NW SUMMIT
 WOODS XING
 LEE'S SUMMIT, MO 64081

PLUMBING KEYED NOTES

1. 4" S MAIN LINE. REFER TO CIVIL UTILITY PLAN FOR CONTINUATION. PROVIDE TWO-WAY CLEANOUT AS SHOWN ON CIVIL PLANS.
2. 2" S DROP: 2" V RISE FROM FIXTURE.
3. 3" S DROP: 2" V RISE FROM FIXTURE.
4. 4" S DROP: 2" V RISE FROM FIXTURE.
5. 3" VENT THRU ROOF. MAINTAIN MINIMUM 10' CLEARANCE FROM FRESH AIR INTAKE.
6. ROUTE ALL DRAIN LINES FROM WATER HEATER TO FLOOR DRAIN.



REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/22
 REVIEWED BY: BAM
 DRAWN BY: BWU
 DESIGNED BY: BWU

PROJECT NUMBER:
5240368028
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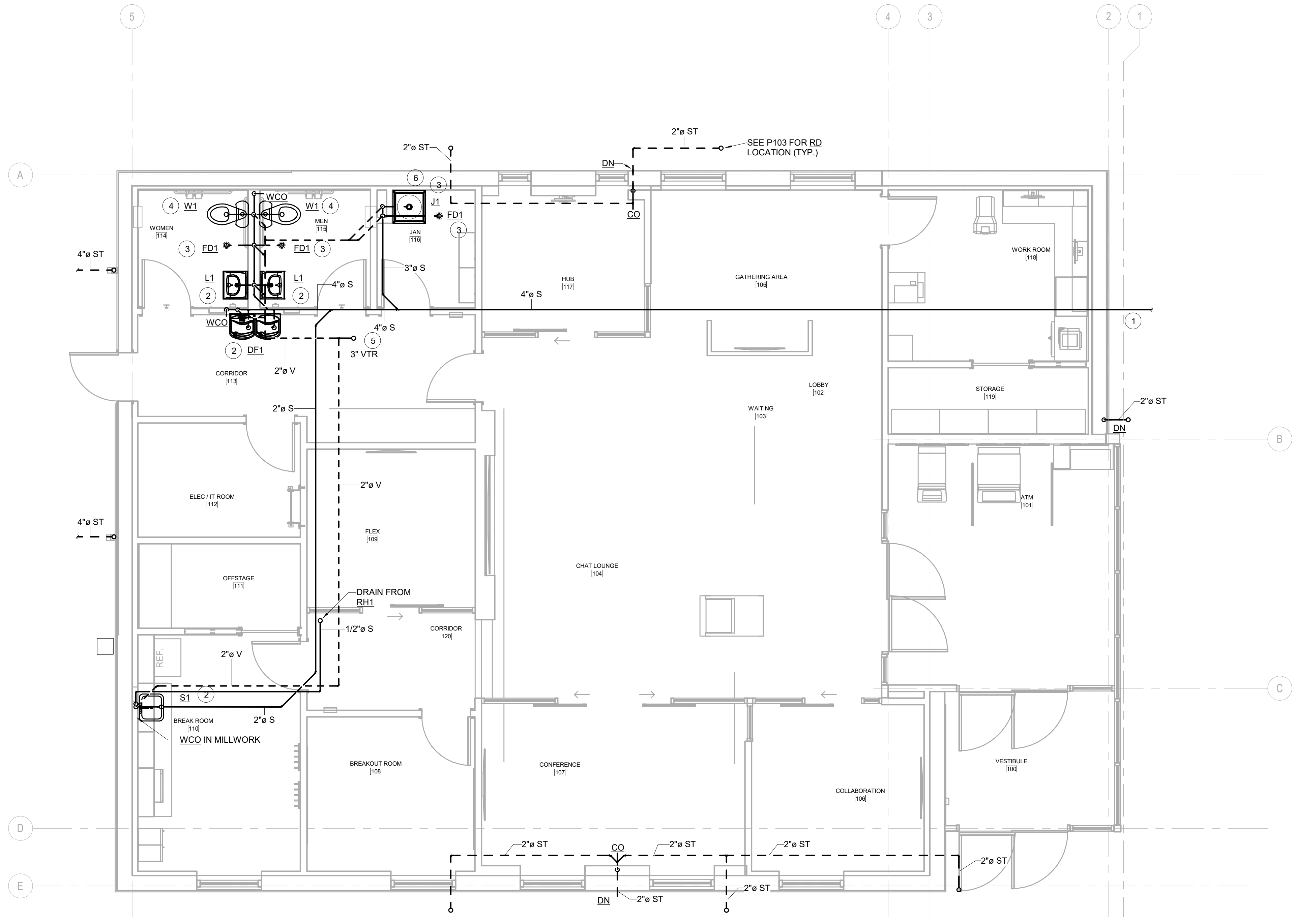
SHEET TITLE:

**WASTE AND VENT
 PLAN**

SHEET ID:

P101

PROJECT STATUS:
 CONSTRUCTION DOCUMENTS

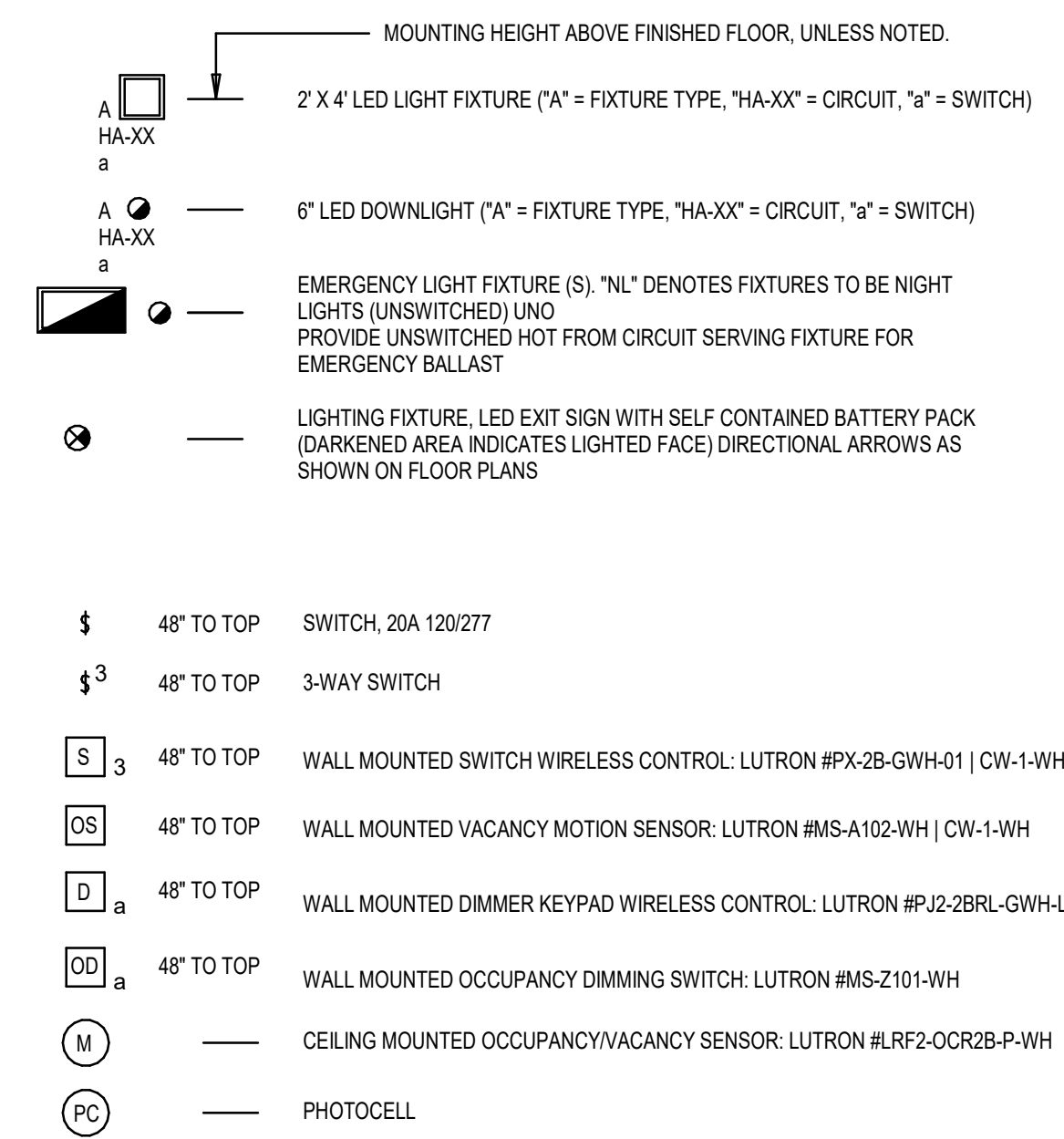


WASTE AND VENT PLAN
 SCALE: 1/4" = 1'-0"

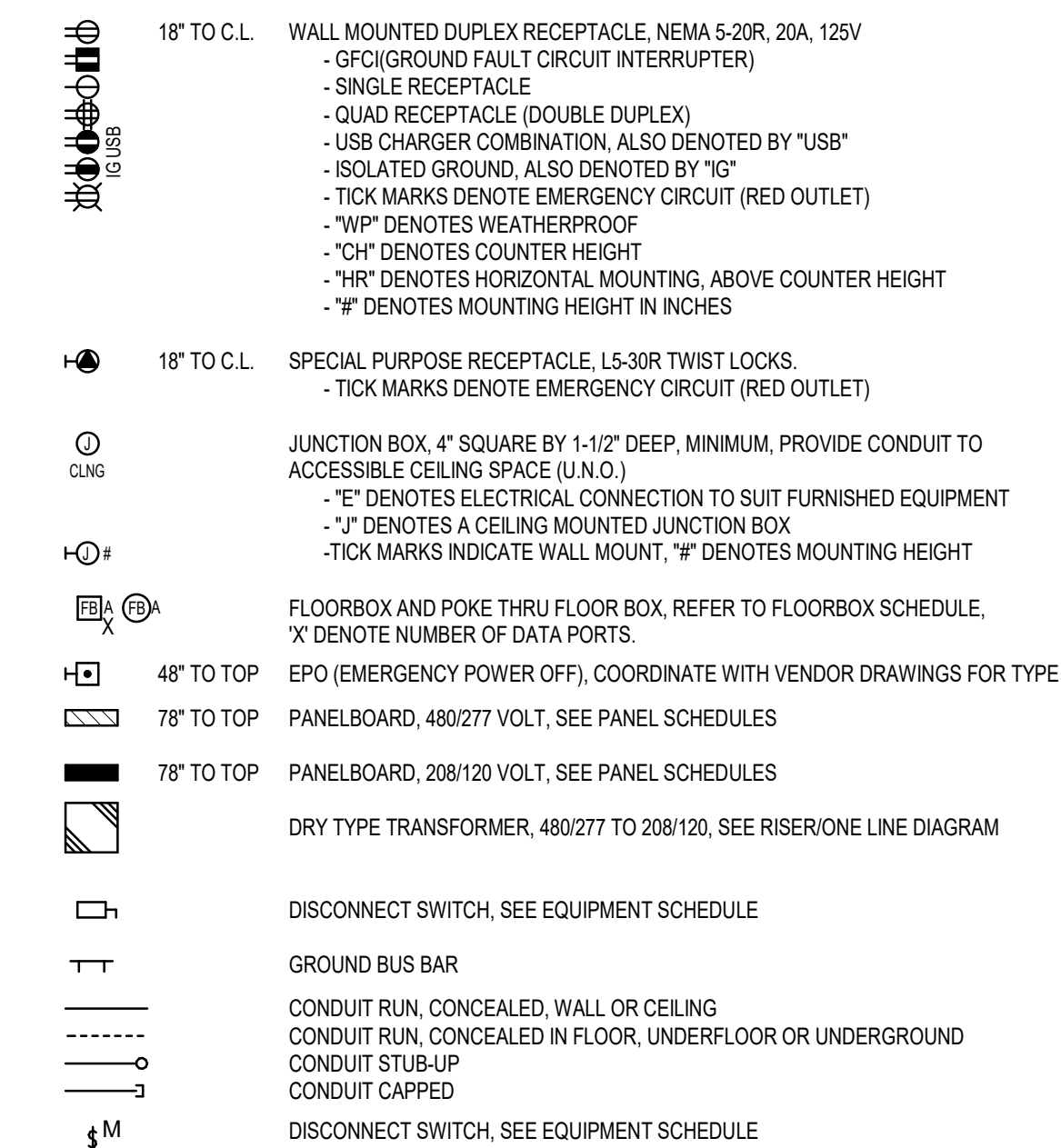
GENERAL NOTES:

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH 2017 EDITION OF THE NATIONAL ELECTRICAL CODE, 2015 INTERNATIONAL BUILDING CODE AND ANY OTHER STATE OR LOCAL AUTHORITY HAVING JURISDICTION.
2. ALL CONDUCTORS SHALL BE COPPER WITH THW/THHN AND RATED FOR 600V UNLESS OTHERWISE INDICATED.
3. MINIMUM CONDUCTOR SIZE: ALL CIRCUIT HOMERUNS AND ALL CONDUIT-AND-WIRE CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4. MINIMUM SIZE CONDUIT SHALL BE 3/4" DIAMETER.
5. ALL CONDUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR FOR GROUNDING.
6. ALL WIRING SHALL BE IN EMT OR FLEXIBLE METALLIC CONDUIT. USE RIGID METALLIC CONDUIT OR LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT WHERE INSTALLED IN WET OR DAMP LOCATIONS. EMT FITTINGS SHALL BE STEEL, POT METAL OR DIE CAST TYPE SHALL NOT BE USED. CONNECTORS SHALL HAVE NYLON INSULATED THROATS. FITTINGS SHALL BE SET-SCREW TYPE.
7. ALL EMPTY CONDUITS SHALL CONTAIN A POLYOLEFIN PULL LINE, JET #232 OR APPROVED EQUAL.
8. PROVIDE LUGS AS REQUIRED FOR ALL ELECTRICAL EQUIPMENT TO ACCEPT THE SIZE AND NUMBER OF CONDUCTORS SHOWN IN THESE DOCUMENTS.
9. CONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE.
10. CONDUIT ROUTING AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL FIELD ROUTE AND LOCATE AS REQUIRED AND PER CODE CLEARANCES.
11. ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
12. WHERE DEMOLITION OF A PORTION OF AN EXISTING CIRCUIT RENDERS DOWNSTREAM EQUIPMENT INOPERATIVE, PROVIDE A NEW CIRCUIT TO RE-ESTABLISH SERVICE.
13. REUSE EXISTING CONDUIT WHERE POSSIBLE. PROVIDE NEW WIRING IN ALL CONDUIT.
14. ELECTRICAL CONTRACTOR SHALL CONCEAL ALL WIRES AND CONDUIT. NO SURFACE CONDUIT SHALL BE RUN UNLESS NOTED OTHERWISE.
15. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.
16. FOR COORDINATION PURPOSES, LIGHTING FIXTURES AND DEVICES MAY BE MOVED A MAXIMUM DISTANCE OF FIVE FEET, PRIOR TO INSTALLATION, AT NO COST TO THE OWNER, UPON INSTRUCTION BY THE ARCHITECT OR ENGINEER.
17. CONDUIT, LIGHT FIXTURES, AND OTHER COMPONENTS MAY BE SHOWN LARGER THAN ACTUAL SIZE. CONDUIT ROUTING IS SHOWN WITH AN EXAGGERATED SPACING FOR CLARITY. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL CONTRACTORS TO ENSURE CONDUIT PLACEMENT DOES NOT CONFLICT WITH LOCATION OF SENSITIVE COMPONENTS SUCH AS LIGHT FIXTURES.
18. COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES IN ELECTRICAL/MECHANICAL SPACES WITH EQUIPMENT, DUCTWORK AND PIPING.
19. UNLESS OTHERWISE NOTED, FOR LIGHTING AND RECEPTACLE HOMERUNS HAVING A TOTAL LENGTH OF 100' TO 200', USE #10 CONDUCTORS; FOR HOMERUNS HAVING A TOTAL LENGTH OF 200' OR GREATER, USE #8 CONDUCTORS.
20. LED LAY-IN LIGHT FIXTURES SHALL BE SUSPENDED FROM BUILDING STRUCTURE WITH ONE SUPPORT WIRE ON EACH SIDE.
21. PROVIDE THE TYPE OF MOUNTING HARDWARE AND TRIM NECESSARY FOR THE PROPER INSTALLATION OF SPECIFIED LIGHTING FIXTURES IN THE TYPE OF CEILING WHERE INSTALLED.
22. ALL LIGHTING SWITCHES SHALL BE LOCATED ON THE STRIKE SIDE OF THE DOOR. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN FOR SWITCHES.
23. ALL LAY-IN LIGHTING FIXTURES SHALL BE CONNECTED TO A BRANCH CIRCUIT JUNCTION BOX WITH A FLEXIBLE FIXTURE TAIL. A MAXIMUM OF FOUR FIXTURE TAILS SHALL BE CONNECTED TO A SINGLE JUNCTION BOX.
24. PROVIDE ACCESS DOORS IN WALLS AND CEILINGS WHERE ACCESS TO CONCEALED ELECTRICAL BOXES AND DEVICES IS REQUIRED.
25. REFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWINGS, WHERE THE ARCHITECT HAS DRAWN SUCH ELEVATIONS, FOR THE LOCATIONS OF ALL WALL MOUNTED DEVICES.
26. WHERE RECEPTACLES ARE SHOWN BACK-TO-BACK ON A COMMON WALL, OFFSET THE TWO BOXES AT LEAST SIX INCHES.
27. LABELS SHALL BE PROVIDED FOR ALL RECEPTACLES AND LIGHTING SWITCHES, PROVIDE LABEL INDICATING PANEL NAME AND CIRCUIT SERVING RECEPTACLES OR SWITCH. INSTALL LABEL NEAR BOTTOM PORTION OF COVER PLATE. LABELS SHALL BE MADE USING T&B E-Z-CODE LABEL PRINTER SOFTWARE OR EQUAL. LABELS SHALL BE MADE OF CLEAR SELF-LAMINATING VINYL WITH APPROXIMATE 1/8 INCH LETTERING, COLOR BLACK.
28. WHERE PANELS OR DISCONNECT ARE MOUNTED ON GYP BOARD WALLS, PROVIDE ADDITIONAL BACKING IN WALLS PRIOR TO THE INSTALLATION OF THE GYP BOARD.
29. ALL AFFECTED PANELBOARDS SHALL BE PROVIDED WITH A NEW TYPEWRITTEN SCHEDULE SHOWING CIRCUIT NUMBERS, ADDED BREAKERS AND A COMPLETE DESCRIPTION OF EACH CIRCUIT, INCLUDING OFFICIAL ROOM NUMBER, PANELBOARDS, DISCONNECTS, ETC. SHALL BE PROVIDED WITH SUITABLE PHENOLIC NAMEPLATES.
30. PROVIDE 2 1/8" DEEP OUTLET BOX WITH SINGLE GANG DEVICE COVER, BLANK COVER PLATE AND 1" CONDUIT TO CEILING SPACE. TERMINATE CONDUIT WITH END BUSHING, UNLESS SHOWN OTHERWISE.
31. PROVIDE 3/4" FIRE RATED AC GRADE PLYWOOD, 8" HIGH BY X' WIDTH AS SHOWN ON PLANS.
32. EXPOSED CABLING (COMMUNICATION, FIRE ALARM AND SECURITY) IN AREAS WHERE NO CEILING EXISTS IS PROHIBITED. EXTEND EMT CONDUIT SLEEVE TO NEAREST ACCESSIBLE CEILING SPACE.
33. PROVIDE COMMUNICATION & VOICE/DATA CABLING, JACKS, FACE PLATES, ETC. UNLESS NOTED OTHERWISE.
34. PROVIDE J-HOOKS FOR ALL LOW VOLTAGE CABLING ABOVE CEILING TO ROUTE BACK TO DATA ROOMS.
35. OWNER PROVIDE MATERIALS AND INSTALLATION OF SECURITY AND ACCESS CONTROL SYSTEM. CONTRACTOR TO PROVIDE NECESSARY ROUGH IN INCLUDING SINGLE GANG BOXES AND 3/4" CONDUIT STUBBED INTO CEILING.
36. CONTRACTOR SHALL PROVIDE U.L. APPROVED FIRESTOP SYSTEM IN ALL OPENINGS AROUND ELECTRICAL RACEWAY AND WIRING PENETRATIONS THROUGH FIRE-RESISTANCE-RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS. MATERIALS USED IN FIRESTOP SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. SEE N.E.C. 300 FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH ARCHITECTURAL AND LIFE SAFETY PLAN TO ENSURE PROPER COMPLIANCE.
37. ALL SAFETY SWITCH DISCONNECTS SHALL HAVE A MINIMUM 3'-6" OF WORKING SPACE IN FRONT OF DEVICE; COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT LOCATIONS.
38. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL, FIRE PROTECTION AND PLUMBING DRAWINGS FOR EXACT LOCATION AND SIZE OF EQUIPMENT WHICH IS PROVIDED BY OTHERS AND CONNECTED BY ELECTRICAL.
39. FINAL CONDUIT CONNECTIONS TO VAV UNITS, EXHAUST FANS, ETC. SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT. TYPICAL FOR EXTERIOR, DAMP AND WET LOCATIONS.
40. INTEGRATED EQUIPMENT RATINGS SHOWN ARE MINIMUMS. CONTRACTOR SHALL PROVIDE MANUFACTURERS EQUAL OR NEXT HIGHER STANDARD RATINGS.
41. COORDINATE THE EXACT LOCATION OF ALL THERMOSTATS, STARTERS, DISCONNECTS, ETC. AND COORDINATE ALL REQUIREMENTS FOR CONTROL AND POWER WIRING WITH THE MECHANICAL CONTRACTOR OR THE TRADE PROVIDING THE EQUIPMENT.
42. THE LOADS SHOWN FOR APPLIANCES AND EQUIPMENT ARE BASED ON DESIGN INFORMATION. THE CONTRACTOR SHALL VERIFY ALL APPLIANCE LOADS PRIOR TO RUNNING THE CIRCUIT. THE MINIMUM CIRCUIT REQUIREMENTS SHALL BE BASED ON THE APPLIANCE NAMEPLATE VALUE OR CODE REQUIREMENTS WHICH EVER IS MORE STRINGENT. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR MODIFICATIONS OF THE EQUIPMENT ELECTRICAL SUPPLY BY THE EQUIPMENT TO BE INSTALLED.
43. ALL EQUIPMENT SHALL BE UL APPROVED AND SHIPPED TO THE SITE WITH UL LABEL.
44. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING A SINGLE LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
45. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING SUBMITTAL DATA, STARTING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE WITH CLEARLY IDENTIFIED REQUIRED ROUTINE MAINTENANCE ACTIONS, AND NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

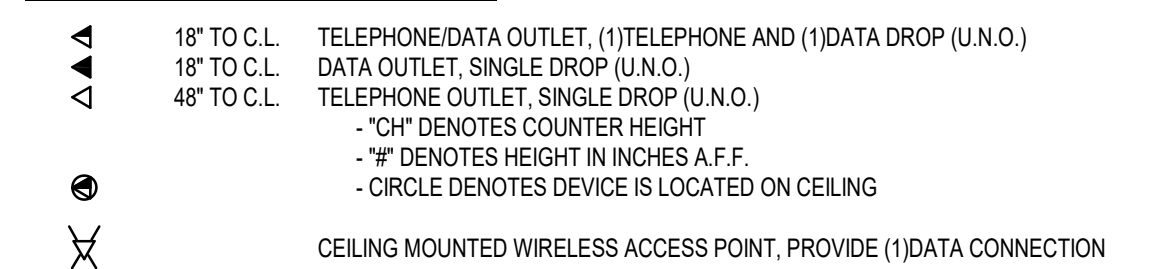
ELECTRICAL LIGHTING LEGEND:



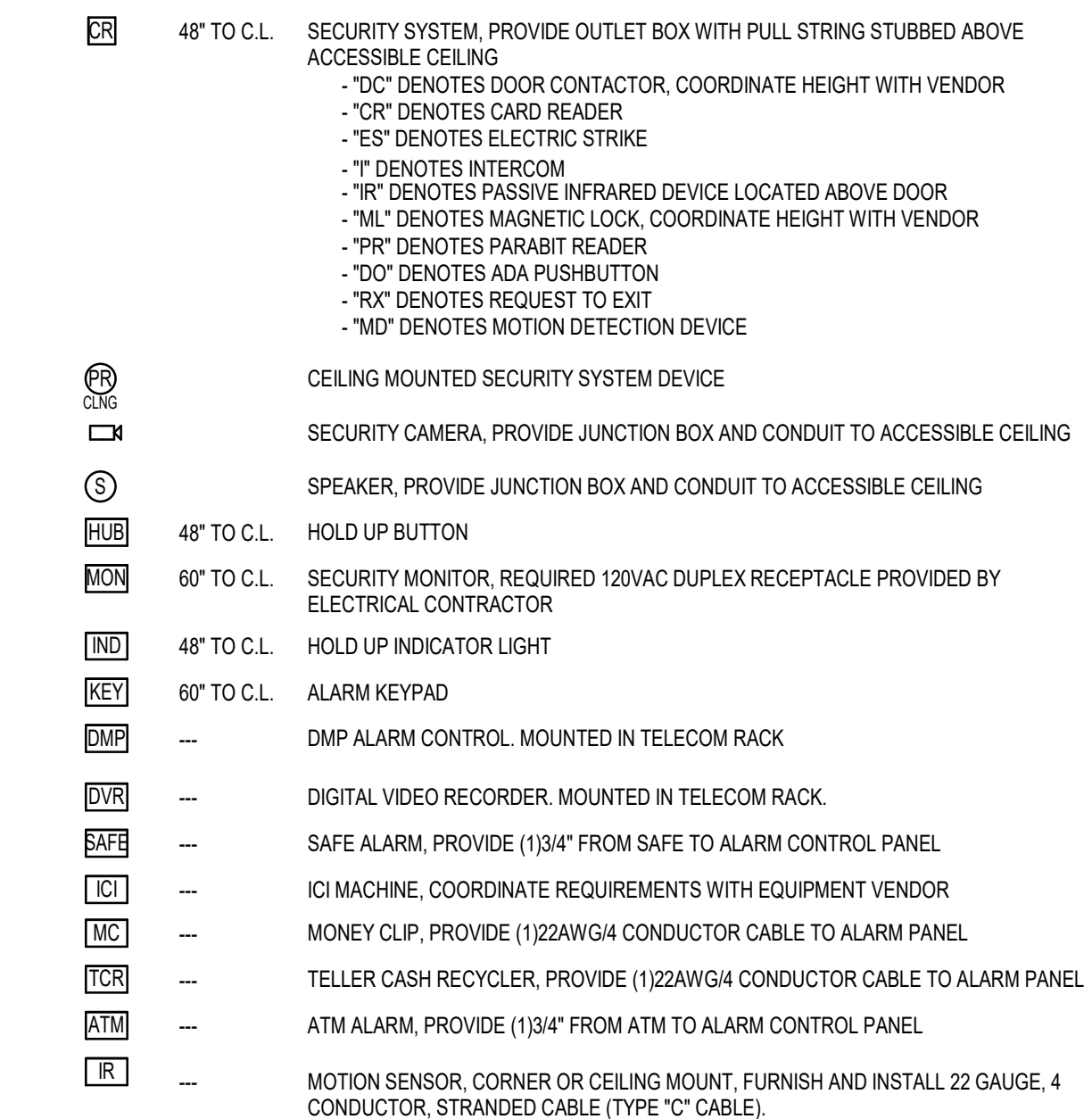
ELECTRICAL POWER LEGEND:



COMMUNICATIONS LEGEND:



SYSTEMS LEGEND:



ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
AV AUDIO VISUAL
C CONDUIT
CB MOLDED CASE CIRCUIT BREAKER
CH COUNTER HEIGHT, ABOVE BACK SPLASH
CKT CIRCUIT
CLG CEILING
DE DEMOLISH
EWH ELECTRIC WATER HEATER
EX EXISTING TO REMAIN
FACP FIRE ALARM CONTROL PANEL
FB FLOOR BOX
FTU FAN TERMINAL UNIT
GFI GROUND-FAULT CIRCUIT INTERRUPTER
MCB MAIN CIRCUIT BREAKER
MLO MAIN LUG ONLY
NEC NATIONAL ELECTRICAL CODE
NF NOT FUSED
NIC NOT IN CONTRACT
RE RELOCATE
TV TELEVISION
UC UNDER COUNTER
UNO UNLESS NOTED OTHERWISE
WP WEATHERPROOF

SHEET LIST

Table with 3 columns: SHEET NO., SHEET NAME, ISSUE DATE. Lists sheets E001 through E003 including Electrical Notes, Site Plan, Lighting Plan, Floorbox and Conduit Rough-in Plan, etc.



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MO LICENSE NOS. 2003019618 * 2003019636



PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:

WEST PRYOR DEVELOPMENT, LOT
9A, NEW PRYOR RD. & NW SUMMIT
WOODS XING,
LEE'S SUMMIT, MO 64081



REVISIONS

Table with 3 columns: NO., DESCRIPTION, DATE. Includes a section for DATE ISSUED (02/15/2022), REVIEWED BY (DAC), DRAWN BY (SB), DESIGNED BY (SB), PROJECT NUMBER (5240368028), and SHEET TITLE (ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS).

DATE ISSUED: 02/15/2022
REVIEWED BY: DAC
DRAWN BY: SB
DESIGNED BY: SB

PROJECT NUMBER:
5240368028
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SHEET TITLE:

ELECTRICAL NOTES,
SYMBOLS AND
ABBREVIATIONS

SHEET ID:

E001

PROJECT STATUS:

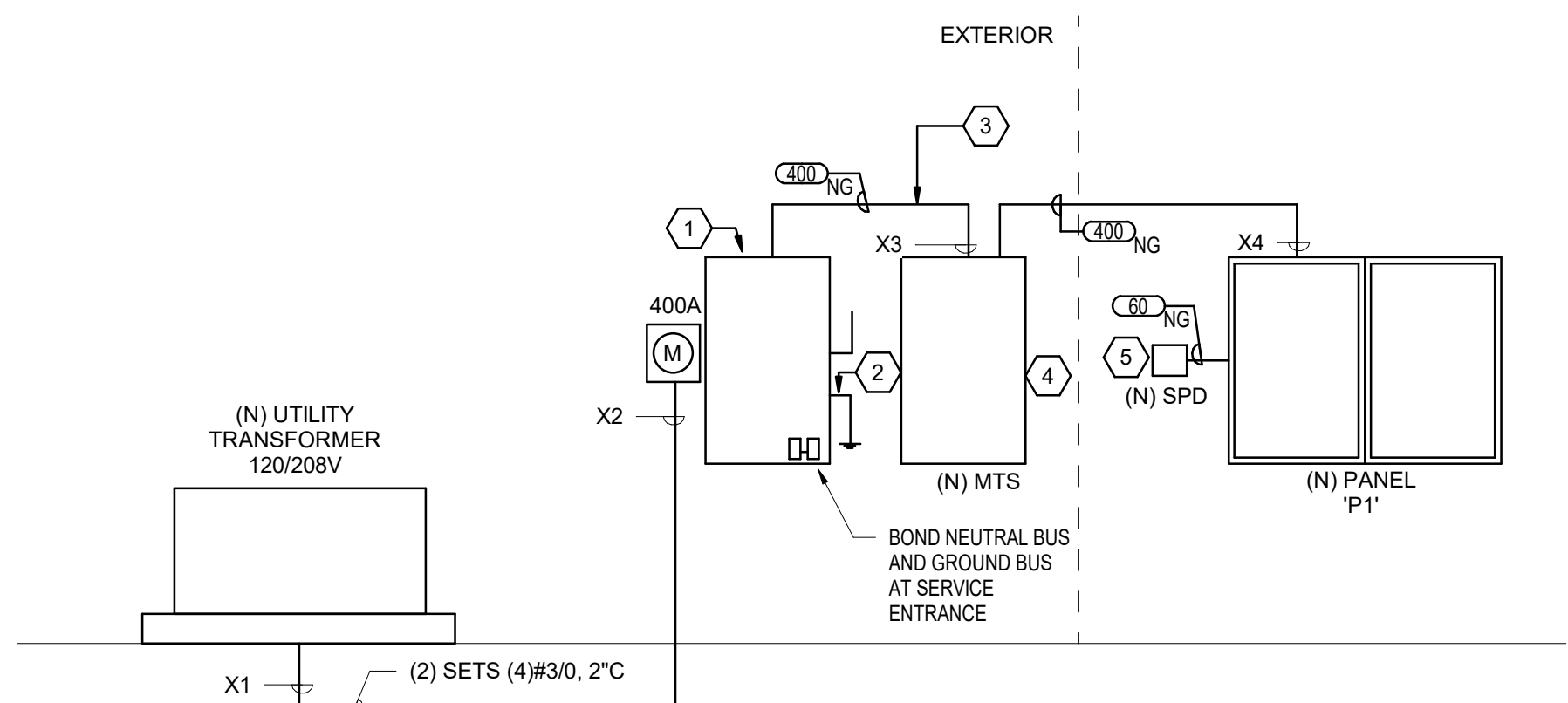
PERMIT DOCUMENTS

GENERAL NOTES:

- A. ALL FEEDER CONDUCTORS SHALL BE SIMPULL OR EQUAL COPPER UNLESS OTHERWISE NOTED. ALL SERVICE, FEEDER AND BRANCH CIRCUIT CONDUCTOR INSULATION SHALL BE THHN/THWN.
- B. CONDUIT SIZE IS NEG. MINIMUM. CONTRACTOR, AT HIS OPTION, AND AT NO ADDITIONAL EXPENSE TO THE OWNER, MAY INCREASE SIZE ON LONG RUNS TO AID IN CONDUCTOR PULLING.
- C. PER NEC ARTICLES 110.9 AND 110.10, THE INTERRUPTING RATING OF THE OVERCURRENT PROTECTIVE DEVICES AND THE SHORT CIRCUIT CURRENT RATING OF THE EQUIPMENT SHALL MEET OR EXCEED THE MINIMUM VALUES LISTED FOR THE SWITCHBOARDS AND PANELBOARDS.
- D. ASSUMING ONE 150KVA UTILITY TRANSFORMER FOR THE SERVICE ENTRANCE SWITCHBOARD AT 1.07%Z. THE ESTIMATED AVAILABLE FAULT CURRENT FROM THE UTILITY TRANSFORMER IS 43,237 AMPS SYMMETRICAL AT AN INFINITE PRIMARY.
- E. A WRITTEN RECORD OF THE GROUND FAULT PERFORMANCE TEST RESULTS SHALL BE MADE AVAILABLE EITHER TO THE ELECTRICAL INSPECTOR OR THE ELECTRICAL PLANS EXAMINER PRIOR TO THE FINAL ELECTRICAL INSPECTION.

KEY NOTES:

- 1. NEW HEAVY-DUTY DISCONNECT SWITCH 3PH-SOLID NEUTRAL, 208VAC, 400A MAX-400A FUSES 18,000 AIC, NEMA 3R- SERVICE ENTRANCE RATED.
- 2. PROVIDE (1) #10 GROUND TO GROUND ROD, BUILDING STEEL, FOUNDATIONAL STEEL & COLD WATER PIPE FOR NEC REQUIRED GROUNDING ELECTRODE AND SUPPLEMENTAL GROUNDING ELECTRODE PER NEC 250.
- 3. EXPOSED CONDUIT SHALL BE PAINTED TO MATCH WALL COLOR AS APPLICABLE. COORDINATE EXACT COLOR WITH ARCHITECTURAL AND LANDLORD PRIOR TO ROUGH-IN.
- 4. NEW MANUAL TRANSFER SWITCH, ESL 3020 SERIES #SSD2-400C-208-311-S-C, FURNISHED BY PNC AND INSTALLED BY E.C. FOR PORTABLE GENERATOR CONNECTION. COORDINATE EXACT LOCATION ON EXTERIOR OF BUILDING WITH LANDLORD.
- 5. NEW SURGE PROTECTION DEVICE, EATON #SPD-120-208Y-2-K OR APPROVED EQUAL. MOUNT ADJACENT TO PANEL, COORDINATE BREAKER AND FEEDER SIZE PRIOR TO ROUGH-IN.



ONE-LINE DIAGRAM NEW CONSTRUCTION SCALE: N.T.S.

FEEDER SCHEDULE (COPPER)

FEEDER DESIGNATION	SETS	CONDUCTOR SIZE (PROVIDE FOR 3Φ CONDUCTORS)	NEUTRAL SIZE	GROUND SIZE	CONDUIT (3W+G)	CONDUIT (4W+G)
20	1	#12	#12	#12	1/2"	1/2"
30	1	#10	#10	#10	3/4"	3/4"
40	1	#8	#8	#10	3/4"	1"
50	1	#6	#6	#10	1"	1"
60	1	#4	#4	#8	1-1/4"	1-1/4"
70	1	#4	#4	#8	1-1/4"	1-1/4"
80	1	#3	#3	#8	1-1/4"	1-1/2"
90	1	#2	#2	#8	1-1/4"	1-1/2"
100	1	#1	#1	#8	1-1/2"	2"
125	1	#1/0	#1/0	#6	1-1/2"	2"
150	1	#1/0	#1/0	#6	1-1/2"	2"
175	1	#2/0	#2/0	#6	2"	2"
200	1	#3/0	#3/0	#6	2"	2-1/2"
225	1	#4/0	#4/0	#4	2-1/2"	2-1/2"
250	1	250 kcmil	250 kcmil	#4	2-1/2"	3"
275	1	300 kcmil	300 kcmil	#4	2-1/2"	3"
300	1	350 kcmil	350 kcmil	#4	3"	3"
350	1	500 kcmil	500 kcmil	#3	3"	3-1/2"
400	2	#3/0	#3/0	#3	2"	2-1/2"
500	2	250 kcmil	250 kcmil	#2	2-1/2"	3"
600	2	350 kcmil	350 kcmil	#1	3"	3"
800	3	300 kcmil	300 kcmil	#1/0	2-1/2"	3"
1000	3	400 kcmil	400 kcmil	#2/0	3"	3-1/2"
1200	4	350 kcmil	350 kcmil	#3/0	3"	3"
1400	4	500 kcmil	500 kcmil	#4/0	3-1/2"	4"
1600	5	400 kcmil	400 kcmil	#4/0	3-1/2"	4"
2000	6	400 kcmil	400 kcmil	250 kcmil	3"	4"
3000	8	500 kcmil	500 kcmil	400 kcmil	4"	4"
4000	12	400 kcmil	400 kcmil	500 kcmil	3-1/2"	4"

- NOTES:
 A. FEEDER DESIGNATION WITH SUBSCRIPT "G" INDICATES THREE PHASE CONDUCTORS AND ONE EQUIPMENT GROUNDING CONDUCTOR.
 B. FEEDER DESIGNATION WITH SUBSCRIPT "NG" INDICATES THREE PHASE CONDUCTORS, ONE NEUTRAL CONDUCTOR AND ONE EQUIPMENT GROUNDING CONDUCTOR.
 C. FEEDER DESIGNATION WITH SUBSCRIPT "NNG" INDICATES THREE PHASE CONDUCTORS, TWO NEUTRAL CONDUCTORS AND ONE EQUIPMENT GROUNDING CONDUCTOR.
 D. FEEDER DESIGNATION WITH SUBSCRIPT "N" INDICATED THREE PHASE CONDUCTORS AND ONE NEUTRAL CONDUCTOR.

SHORT CIRCUIT SCHEDULE

POINT	DESCRIPTION	SHORT CIRCUIT (ISC SYM RMS)	MULTIPLIER (M)	F FACTOR (F)	CONSTANT (C x n)	LINE-LINE VOLTAGE (V)	LENGTH OF RUN (L)	CURRENT AVAILABLE...	XFMR RATED (KVA)	XFMR IMPED (%Z)
X1	AVAILABLE AT XFMR SECONDARY	43,237								
X2	SERVICE DISCONNECT	28,211	0.652	0.533	25,686	208	38	43,237	---	---
X3	MTS-1	25,632	0.909	0.101	25,686	208	11	28,211	---	---
X4	PANEL P1	22,791	0.808	0.238	25,686	208	26	28,211	---	---
X5	RTU-1	8,374	0.367	1.722	2,425	208	22	22,791	---	---
X6	RTU-2	3,662	0.161	5.225	961	208	27	22,791	---	---
X7	RTU-3	2,302	0.101	8.899	961	208	46	22,791	---	---

THREE (3) PHASE LINE TO LINE SHORT CIRCUIT CALCULATIONS:
 $I_{sc} = (I_{available}) / M$
 $M = 1/(1+F)$
 $F = (1.73 \times L \times I_{available}) / (C \times n \times EL-L)$
 C = VALUES FOUND IN BUSSMANN SPD HANDBOOK FOR CONDUCTORS AND BUSWAY
 EL-L = LINE TO LINE VOLTAGE
 L = LENGTH OF RUN IN FEET
 n = NUMBER OF CONDUCTORS PER PHASE

THE SAME CALCULATIONS FOR SINGLE (1) PHASE LINE TO LINE, F VALUE CHANGES:
 $F = (2 \times L \times I_{available}) / (C \times n \times EL-L)$

THE SAME CALCULATIONS FOR THE FAULT CURRENT AT THE SECONDARY SIDE OF THE TRANSFORMER, F VALUE CHANGES:
 $F = (I_{sc, primary} \times V_{primary} \times 1.73 \times \%Z) / (100,000 \times kV \times I_{sc})$

NOTE: SHORT CIRCUIT CALCULATIONS ARE BASED ON BUSSMAN POINT TO POINT METHOD

EQUIPMENT SCHEDULE

EQUIP. TYPE	DESCRIPTION	LOCATION	LOAD				FUSE	VOLTS	φ	POWER WIRING	COND.	NOTES
			FLA	MCA	MOCF	KVA						
PLUMBING	EWH-1	JANITOR 118	--	7.2	20.0	1.5	--	208	1	(2) #12 + (1) #12 G	3/4"	
HVAC	EF-01	ROOF	1.3	2.0	15.0	0.2	--	120	1	(2) #12 + (1) #12 G	3/4"	
HVAC	EF-02	HALL 116	1.4	2.1	15.0	0.2	--	120	1	(2) #12 + (1) #12 G	3/4"	
HVAC	RTU-01	ROOF	--	31.0	45.0	11.2	45A-3P	208	3	(3) #8 + (1) #10 G	1"	1
HVAC	RTU-02	ROOF	--	27.0	30.0	9.7	--	208	3	(3) #10 + (1) #10 G	3/4"	
HVAC	RTU-03	ROOF	--	22.0	30.0	7.9	--	208	3	(3) #10 + (1) #10 G	3/4"	
HVAC	EH-01	VESTIBULE	5.8	7.3	20.0	1.2	--	208	1	(2) #12 + (1) #12 G	3/4"	

GENERAL NOTES:
 A. VERIFY CB/FUSE AND WIRING REQUIREMENTS WITH SUBMITTALS PRIOR TO WIRING UNITS.
 SCHEDULE NOTES:
 1. PROVIDE CURRENT LIMITING FUSE, VERIFY SHORT CIRCUIT CURRENT DOES NOT EXCEED 5,000 AMPS.

PANEL P1

LOCATION: ELEC / IT ROOM 112 DISTRIBUTION SYSTEM: 120/208 Wye, 3Φ, 4W A.I.C. RATING: 18,000
 FED FROM: MAIN RATING: 400 A MCB RATING: 400 A
 MOUNTING: Surface NEUTRAL RATING: 100%
 ENCLOSURE: Type 1

#	LOAD NAME	AMP	#P	A	B	C	#P	AMP	LOAD NAME	#
1	LTG: INTERIOR	20	1	1.3	0.3		1	20	LTG: INTERIOR	2
3	LTG: EXTERIOR	20	1		0.7	0.5	1	20	LTG: EXTERIOR SIGNAGE	4
5	EF-1, EF-2	15	1			0.4	1.0	1	RCPT: T.R. 114/115	6
7	RCPT: RR/JAN/CORR	20	1	0.5	0.4			1	RCPT: CORR 113 WATER...	8
9	RCPT: DEDICATD QUAD IT RACK	20	1		0.4	0.4		1	RCPT: DEDICATED QUAD IT RACK	10
11	RCPT: L5-30R DEDICATED	20	1			0.4	0.4	1	RCPT: L5-30R DEDICATED	12
13	RCPT: DEDICATED QUAD ELEC 112	20	1	0.4	0.7			1	RCPT: ELEC 112	14
15	RCPT: OFFSTAGE 111	20	1		0.5	1.5		1	RCPT: FRIDGE	16
17	PWR: DU ATM	30	1			2.0	0.2	1	PWR: FAUCET BRK RM 110	18
19	RCPT: COFFEE MAKER BRK RM 110	20	1	1.4	1.2			1	RCPT: MICROWAVE BRK RM 110	20
21	RCPT: BRK RM 110	20	1		0.7	0.2		1	RCPT: MONITOR BRK RM 110	22
23	RCPT: BREAKOUT 108	20	1			0.7	0.9	1	RCPT: FLEX 109	24
25	RCPT: CONFERENCE 107	20	1	0.9	0.4			1	RCPT: CONFERENCE 107	26
27	RCPT: COLLAB 106	20	1		0.7	0.7		1	RCPT: HUB 117	28
29	RCPT: GATHERING 105	20	1			0.7	1.4	1	RCPT: PRINTER WRK RM 118	30
31	RCPT: ICI MACHINE	20	1	0.6	0.7			1	RCPT: WRK RM 118/STORAGE 119	32
33	RCPT: WRK RM 118	20	1		0.4	0.6		1	PWR: PRINTER WRK RM 118	34
35	PWR: DU ATM CANOPY	20	1			2.0	0.5	1	VAV-DIFFUSERS	36
37	SPARE	20	1	0.0	0.0			1	SPARE	38
39	SPARE	20	1		0.0	0.0		1	SPARE	40
41	SPARE	20	1			0.0	0.0	1	SPARE	42
43	RCPT: MONITOR WRK RM 118	20	1	0.2	0.2			1	RCPT: MONITOR WRK RM 118	44
45	RCPT: WAITING 103/LOBBY 102	20	1		0.4	1.2		1	RCPT: ATM	46
47	RCPT: ATM	20	1			1.2	1.4	1	PWR: DOORS	48
49	PWR: DOORS	20	1	0.7	3.7					50
51	RTU-1	30	3		3.2	3.7		3	45	50
53	RTU-2	30	3				3.2	3.7		52
55					3.2	2.7				54
57	EH-1	20	2		0.6	2.7		3	30	58
59						0.6	2.7			60
61	PWR: SHUTTERS	20	1	1.0	0.8			2	20	62
63	PWR: SHUTTERS	20	1		1.0	0.8				64
65	RCPT/LGT: ROOFTOP	20	1			0.6	1.0	1	20	66
67	PWR: ACCESS CONTROL PANEL	20	1	0.5	0.5			1	20	68
69	LTG: EXTERIOR SIGNAGE	20	1		0.5	0.2		1	20	70
71	LTG: EXTERIOR	20	1		0.3	0.6	1	20	72	
73	SPARE	20	1	0.0	0.0			1	20	74
75	SPARE	20	1		0.0	0.0		1	20	76
77	SPARE	--	1	--	--	--	--	1	--	78
79	SPARE	--	1	--	--	--	--	1	--	80
81	SPARE	--	1	--	--	--	--	1	--	82
83	SPARE	--	1	--	--	--	--	1	--	84

LOAD CLASSIFICATION	CONNECTED...	DEMAND FACTOR	EST. DEMAND	PANEL TOTALS
Cooling	30768 VA	100.00%	30768 VA	
HVAC	500 VA	100.00%	500 VA	TOTAL CONN. LOAD: 69504 VA
Heating	1200 VA	100.00%	1200 VA	TOTAL EST. DEMAND: 69887 VA
Lighting	4276 VA	125.00%	5345 VA	TOTAL CONN.: 193 A
Power	15860 VA	125.00%	19825 VA	TOTAL EST. DEMAND: 194 A
Receptacle	16900 VA	79.59%	13450 VA	

TOTAL LOAD (KVA): 22.3 kVA 21.4 kVA 25.8 kVA
 TOTAL LOAD (A): 186 A 179 A 216 A

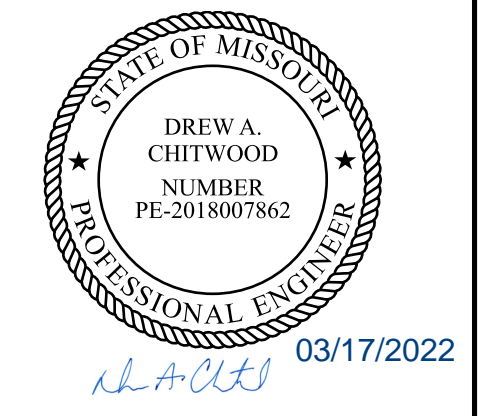
NOTES:

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PROJECT TITLE:
 PNC NO LEE'S SUMMIT
 GROUND UP BRANCH

PROJECT ADDRESS:
 WEST PRYOR DEVELOPMENT, LOT
 9A, NEW PRYOR RD. & NW SUMMIT
 WOODS XING,
 LEE'S SUMMIT, MO 64081



REVISIONS

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS 01	03/17/2022

DATE ISSUED: 02/15/2022
 REVIEWED BY: DAC
 DRAWN BY: SB
 DESIGNED BY: SB
 PROJECT NUMBER:
 5240368028
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SHEET TITLE:
 ELECTRICAL RISER
 DIAGRAM AND
 SCHEDULES

SHEET ID:
E501

PROJECT STATUS:
 PERMIT DOCUMENTS



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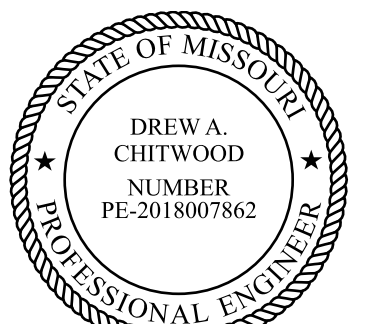


PROJECT TITLE:

**PNC MO LEE'S SUMMIT
 GROUND UP BRANCH**

PROJECT ADDRESS:

WEST PRYOR DEVELOPMENT, LOT
 9A, NEW PRYOR RD. & NW SUMMIT
 WOODS XING,
 LEE'S SUMMIT, MO 64081



03/17/2022
D.A. Chitwood

REVISIONS

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS 01	03/17/2022

DATE ISSUED: 02/15/2022
 REVIEWED BY: DAC
 DRAWN BY: SB
 DESIGNED BY: SB

PROJECT NUMBER:
5240368028
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SHEET TITLE:

**ELECTRICAL
 SCHEDULES**

SHEET ID:

E502

PROJECT STATUS:

PERMIT DOCUMENTS

CATALOG NUMBERS GIVEN ARE FOR CONVENIENCE. FIXTURES SHALL MATCH DESCRIPTION								
LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MOUNTING	LAMPS		APPROVED			REMARKS
			TYPE	WATTS	MANUFACTURER	CATALOG NUMBER	VOLTAGE	
B	2' X 2' RECESSED ARCHITECTURAL LED TROFFER, 3300 LUMENS, 3500K	RECESS	LED	27	CREE	CR22-20L-35K-10V-HD	120	-----
BE	2' X 2' RECESSED ARCHITECTURAL LED TROFFER, 3300 LUMENS, 3500K, PROVIDE WITH EMERGENCY BATTERY BACK-UP	RECESS	LED	27	CREE	CR22-20L-35K-10V-EB14	120	PROVIDE EMERGENCY DRIVER SHALL BE SELF-TESTING BATTERY BACK-UP WITH 1400 LUMEN OUTPUT
D1	6" ROUND OPEN ARCHITECTURAL LED DOWNLIGHT, CLEAR REFLECTOR, MEDIUM DISTRIBUTION, SEMI-SPECULAR FINISH, 1000 LUMENS, 3500 K	RECESS	LED	18	CREE	KR6-20L-35K-120V-10V/KR6T-FF	120	-----
H	4' LENSED LED SUSPENDED LED FIXTURE 3000 LUMENS, SNAP ON FROSTED DIFFUSER, 3500K	SUSPENDED	LED	25.0	CREE	4SNLED-LDS-30SL-UNV-L835-CDU-1 (LENS) SNLED-LENS-LW-4FT-U	120	-----
HE	4' LENSED LED SUSPENDED LED FIXTURE 3000 LUMENS, SNAP ON FROSTED DIFFUSER, 3500K WITH EMERGENCY BATTERY BACK-UP	SUSPENDED	LED	25.0	CREE	4SNLED-LDS-30SL-UNV-L835-CDU-1 (LENS) SNLED-LENS-LW-4FT-U	120	PROVIDE EMERGENCY BATTERY PACK
J1	LED VAPOR TIGHT FIXTURE, 4000K	SURFACE	LED	14	C-LITE	C-VT-A-SMCL-9L-40K-GR	120	MOUNT ON UNISTRUT, SEE DETAIL 5/E401
L1	LINEAR FLUSH MOUNTED 3500K	RECESS	LED	4/FT	MARK	SL2L-LOP-X-FLP-WFL-80CRI-35K-400LMF-MN1-120-ZT	120	PROVIDE EMERGENCY SECTION E10/WLCP WHERE INDICATED ON PLANS.
L2	LINEAR SURFACE MOUNTED LED, 3500K	WALL/ SURFACE	LED	17	TROV	L50-E-48"-04-40-80-MULT-LOL	120	PROVIDE ALL NECESSARY MOUNTING AND WIRING ACCESSORIES AS NEEDED. MOUNT ON WALL DIRECT BEAM TOWARDS WALL.
L4	LINEAR FLUSH MOUNTED LED, 3500K	RECESS	LED	12	FOCAL POINT	FSM2PR-ALH-FL0-250LF-35K-1-UNV-LD1-XFF-2'	120	
L4-6	LINEAR FLUSH MOUNTED LED, 3500K	RECESS	LED	18	FOCAL POINT	FSM2PR-ALH-FL0-250LF-35K-1-UNV-LD1-XFF-6'	120	
L4-6E	LINEAR FLUSH MOUNTED LED, 3500K WITH EMERGENCY BATTERY BACK-UP	RECESS	LED	18	FOCAL POINT	FSM2PR-ALH-FL0-250LF-35K-1-UNV-LD1-XFF-EM-6'	120	
L4-14	LINEAR FLUSH MOUNTED LED, 3500K	RECESS	LED	36	FOCAL POINT	FSM2PR-ALH-FL0-250LF-35K-1-UNV-LD1-XFF-14'	120	
P1	48" LED PENDANT, 3000K, ELVITRIAC DIMMABLE	PENDANT	LED	32	TECH LIGHTING	700BOD-48-xx-LED930	120	COORDINATE SELECTION WITH ARCHITECTURAL
P2	30" LED PENDANT, 3000K, ELVITRIAC DIMMABLE	PENDANT	LED	32	TECH LIGHTING	700BOD-30-xx-LED930	120	COORDINATE SELECTION WITH ARCHITECTURAL
P3	24" LED PENDANT, 3000K, ELVITRIAC DIMMABLE	PENDANT	LED	16	TECH LIGHTING	700BOD-24-XX-LED930	120	COORDINATE STEM LENGTH AND COLOR WITH ARCHITECTURAL
P4	4" LED PENDANT, 3000K, 0-10V DIMMING	PENDANT	LED	10	OCL	AS1-P1FC-04-WF-8KP-LED1-35K-UNV-48-DM1-MOD	120	HANG FIXTURE 11'-0" AFF TO BOTTOM OF FIXTURE, MODIFIED WITH 6" BODY STEM PAINTED BLACK (BKP) POWER CORD TO BE BLACK.
P4E	4" LED PENDANT, 3000K, 0-10V DIMMING WITH EMERGENCY BATTERY BACK-UP.	PENDANT	LED	10	OCL	AS1-P1FC-04-WF-8KP-LED1-35K-UNV-48-DM1-MOD	120	HANG FIXTURE 11'-0" AFF TO BOTTOM OF FIXTURE, MODIFIED WITH 6" BODY STEM PAINTED BLACK (BKP) POWER CORD TO BE BLACK, PROVIDE WITH EMERGENCY BATTERY BACK UP.
UC	LED UNDERCABINET FIXTURE. MOUNT TO UNDERSIDE OF CABINET. LENGTHS MAY VARY, VERIFY EXACT LENGTH REQUIRED WITH ARCHITECTURAL ELEVATIONS	SURFACE	LED	10	PHILIPS	523-0000027-72 [9.5"] / 523-0000002-73 [19.25"]	120	
W	LED WALL SCORCE, EXTERIOR, 3500K, 80 CR	WALL MOUNT	LED	15	C-LITE	C-WP-A-FCA-03-40K-DB	120	MOUNT 9' AFG.
EP	LED BOLLARD, 4000K	SURFACE	LED	25.0	BECA	24941-34	120	XY
T1	AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGRESS, 23 FT ABOVE FINISHED GRADE	POLE	LED	129	MCGRAW-EDISON	FIXTURE: GLEON-SA2C-740-U-SL4-BZ POLE: SSA4M20WCN1GV	MVOLT	
T2	AREA LIGHT FIXTURE WITH TWO DIRECT ARM MOUNT AT 180 DEGRESS, FIXTURES INSTALLED AT 90 DEGREES, 23 FT ABOVE FINISHED GRADE	POLE	LED	258	MCGRAW-EDISON	FIXTURE: GLEON-SA2C-740-U-SL4-BZ POLE: SSA4M20WCN2GV	MVOLT	
X1	EXIT SIGN, NUMBER OF SIDES AND DIRECTIONAL AREAS AS INDICATED ON PLANS	RECESS	LED	5.0	ACUITY	EDGR 1 G EL SD	120	SEE LIGHTING PLAN FOR EXIT SIGN DIRECTIONAL ARROWS. PROVIDE WM RECESSED WALL MOUNT OPTION WHERE SHOWN ON PLANS.

1. LIGHT FIXTURES ARE PNC FURNISHED THRU VILLA LIGHTING. REFER TO MATRIX OF RESPONSIBILITY ON G-001. VILLA LIGHTING CONTACTS:
 MATT KAESTNER, 314-633-0456, matt.kaestner@villalighting.com OR DAN PUELLMAN, 314-633-0472, dan.puellman@villalighting.com. THE E.C. IS RESPONSIBLE FOR CONTACTING VILLA LIGHTING TO OBTAIN PRICING TO INCLUDE IN HIS BID. PNC WILL ORDER LIGHT FIXTURES.
 2. E.C. SHALL PROVIDE VILLA LIGHTING WITH SHIPPING ADDRESS TO CONTRACTOR'S WAREHOUSE. LIGHT FIXTURES SHALL NOT BE SHIPPED DIRECTLY TO SITE.

FLOOR BOX SCHEDULE

TYPE	MANUFACTURER	MODEL NUMBER	COVER	POWER DEVICES	AV DEVICES	TELEDATA DEVICES	NOTES
A	WIREMOLD "EVOLUTION" SERIES	EFB45S-OG	EFB45CTCBK	(1) LeGRAND EFB8-MB MOUNTING BRACKET & (1) LeGRAND EFB810-DIV DIVIDER, PROVIDE (2) DUPLEX RECEPTACLES WITH USB CHARGING PORTS, HUBBELL USB20X2W AND (2) DEVICE PLATES, LeGRAND EFB10-DEC	(1) LeGRAND EFB-MAAP DEVICE PLATE IN ONE LOW VOLTAGE OPENING OF THE EFB8-MB MOUNTING BRACKET FOR HDMI OR USB DEVICES AS INDICATED ON THE DRAWINGS (2) HDMI DEVICES - LeGRAND #AV3000BK (2) BLANK COVERS - LeGRAND #AV9003BK	TELEDATA JACKS SHALL UTILIZE ONE LOW VOLTAGE OPENING IN THE EFB8-MB MOUNTING BRACKET. REFER TO E-201 FOR QUANTITY OF JACKS. JACKS AND MOUNTING PLATE FURNISHED BY PNC COMMUNICATIONS VENDOR.	VERIFY EXACT FLOOR BOX LOCATION WITH PNC AND FURNITURE VENDOR PRIOR TO ROUGH-IN. BLACK IS SPECIFIED AS THE COLOR OF THE FLOOR BOX COVER. THE E.C. SHALL COORDINATE THE COLOR WITH PNC PRIOR TO ORDERING. THE DIVIDER SHALL BE INSTALLED TO PROVIDE (2) OPENINGS IN THE MOUNTING BRACKET FOR POWER AND (2) OPENINGS IN THE MOUNTING BRACKET FOR LOW VOLTAGE DEVICES. LOW VOLTAGE COMPARTMENT SHALL BE LOCATED ON THE SIDE OF THE BOX WHERE THE 2" C. ROUGH-IN LOCATION IS.
B	WIREMOLD "EVOLUTION" SERIES	EFB45S-OG	EFB45CTCBK	(1) LeGRAND EFB8-MB MOUNTING BRACKET & (1) LeGRAND EFB810-DIV DIVIDER, PROVIDE (2) DUPLEX RECEPTACLES WITH USB CHARGING PORTS, HUBBELL USB20X2W AND (2) DEVICE PLATES, LeGRAND EFB10-DEC	N/A PROVIDE(1) BLANK COVER FOR ONE LOW VOLTAGE OPENING, LeGRAND #EFB-B	TELEDATA JACKS SHALL UTILIZE ONE LOW VOLTAGE OPENING IN THE EFB8-MB MOUNTING BRACKET. REFER TO E-201 FOR QUANTITY OF JACKS. JACKS AND MOUNTING PLATE FURNISHED BY PNC COMMUNICATIONS VENDOR.	VERIFY EXACT FLOOR BOX LOCATION WITH PNC AND FURNITURE VENDOR PRIOR TO ROUGH-IN. BLACK IS SPECIFIED AS THE COLOR OF THE FLOOR BOX COVER. THE E.C. SHALL COORDINATE THE COLOR WITH PNC PRIOR TO ORDERING. THE DIVIDER SHALL BE INSTALLED TO PROVIDE (2) OPENINGS IN THE MOUNTING BRACKET FOR POWER AND (2) OPENINGS IN THE MOUNTING BRACKET FOR LOW VOLTAGE DEVICES. LOW VOLTAGE COMPARTMENT SHALL BE LOCATED ON THE SIDE OF THE BOX WHERE THE 2" C. ROUGH-IN LOCATION IS.

COMcheck Software Version COMcheckWeb Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2018 IECC
 Project Title: PNC Lee's Summit
 Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
 Credits: 1.0 Required 0.0 Proposed

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Retail	2600	1.06	2756
Total Allowed Watts =			2756

Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E (C X D)
1-Retail				
LED: B/BE: 2X2 LED: Other:	1	40	27	1080
LED: H/HE: 4' LED: Other:	1	3	18	54
LED: L4: LINEAR LED: Other:	1	2	12	24
LED: L4-6: 6' LINEAR LED: Other:	1	2	18	36
LED: L4-14: 14' LINEAR LED: Other:	1	1	36	36
LED: P1: 48" LED PENDANT: Other:	1	2	32	64
LED: P2: 36" LED PENDANT: Other:	1	2	32	64
LED: P3: 24" LED PENDANT: Other:	1	2	16	32
LED: P4/P4E: 4" LED PENDANT: Other:	1	24	10	240
LED: UC: LED UC LIGHT: Other:	1	5	10	50
Total Proposed Watts =			1680	

Interior Lighting PASSES: Design 39% 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 COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: PNC Lee's Summit Report date: 01/20/22
 Data filename: Page 1 of 7

COMcheck Software Version COMcheckWeb Exterior Lighting Compliance Certificate

Project Information
 Energy Code: 2018 IECC
 Project Title: PNC Lee's Summit
 Project Type: New Construction
 Exterior Lighting Zone: 2 (Light industrial area with limited nighttime use (LZ2))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Entry (Parking near 24-hour retail entrance)	1 main	400	No	400
Roof (Emergency services, loading area)	2600 ft ²	0.35	No	910
North Exterior Wall (Illuminated area of facade wall or surface)	1158 ft ²	0.07	No	87
West Exterior Wall (Illuminated area of facade wall or surface)	829 ft ²	0.07	No	62
South East Wall (Illuminated area of facade wall or surface)	410 ft ²	0.07	No	31
Total Tradable Watts (a) =			0	
Total Allowed Watts =			1490	
Total Allowed Supplemental Watts (b) =			400	

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
 (b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E (C X D)
Entry (Parking near 24-hour retail entrance, 1 main entries): Non-tradable Wattage				
LED: L1: LINEAR LED: Other:	1	1	440	440
Roof (Emergency services, loading area, 2600 ft ²): Non-tradable Wattage				
LED: Other:	1	3	14	42
North Exterior Wall (Illuminated area of facade wall or surface, 1158 ft ²): Non-tradable Wattage				
LED: Other:	1	2	15	30
West Exterior Wall (Illuminated area of facade wall or surface, 829 ft ²): Non-tradable Wattage				
LED: Other:	1	2	15	30
South East Wall (Illuminated area of facade wall or surface, 410 ft ²): Non-tradable Wattage				
LED: L2: LINEAR LED: Other:	1	10	17	170
Total Tradable Proposed Watts =			0	

Project Title: PNC Lee's Summit Report date: 01/20/22
 Data filename: Page 2 of 7

Exterior Lighting PASSES: Design 0.0% better than code

Exterior Lighting Compliance Statement

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

Name - Title Signature Date

Project Title: PNC Lee's Summit Report date: 01/20/22
 Data filename: Page 3 of 7

COMcheck Software Version COMcheckWeb Inspection Checklist

Energy Code: 2018 IECC

Requirements: 100.0% 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 [PK4]	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 checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C103.2 [PR8]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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

Project Title: PNC Lee's Summit Report date: 01/20/22
 Data filename: Page 4 of 7

Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2 [EL22]	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 checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL18]	Occupancy sensors installed in classrooms/lecture/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 checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL19]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aislesways and open areas is controlled with occupancy sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupancy sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.1 [EL20]	Occupant sensor control function in open 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 $\geq 80\%$ 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 checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2 [EL21]	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 checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

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

Project Title: PNC Lee's Summit Report date: 01/20/22
 Data filename: Page 5 of 7

Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3 [EL23]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3.2 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.4 [EL26]	Separate lighting control devices for specific uses installed per approved lighting plans.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL27]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.5 [EL28]	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.6 [EL30]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting $> 30\%$.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 [EL6]	Exit signs do not exceed 5 watts per face.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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

Project Title: PNC Lee's Summit Report date: 01/20/22
 Data filename: Page 6 of 7



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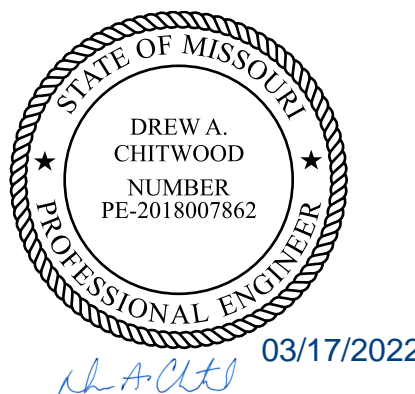


PROJECT TITLE:

PNC MO LEE'S SUMMIT
 GROUND UP BRANCH

PROJECT ADDRESS:

WEST PRYOR DEVELOPMENT, LOT
 9A, NEW PRYOR RD. & NW SUMMIT
 WOODS XING,
 LEE'S SUMMIT, MO 64081



03/17/2022

REVISIONS

NO.	DESCRIPTION	DATE

DATE ISSUED: 02/15/2022

REVIEWED BY: DAC

DRAWN BY: SB

DESIGNED BY: SB

PROJECT NUMBER:
 5240368028
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SHEET TITLE:

LIGHTING COMCHECK

SHEET ID:

E601

PROJECT STATUS:

PERMIT DOCUMENTS

3/18/2022 8:39:51 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/5240368028_PNC MO Lees Summit_E_R22_CENTRAL.rvt

GENERAL NOTES:

A. PHOTOMETRIC CALCULATIONS ARE AT A HEIGHT OF 30" AFF.

SHEET NOTES:

1. PHOTOMETRICS AT THE EXTERIOR OF THE FRONT DOOR ARE WITH THE EMERGENCY ONLY OPERATION.



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PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:

WEST PRYOR DEVELOPMENT, LOT
9A, NEW PRYOR RD. & NW SUMMIT
WOODS XING,
LEE'S SUMMIT, MO 64081

REVISIONS

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS 01	03/17/2022

DATE ISSUED: 02/15/2022

REVIEWED BY: DAC

DRAWN BY: SB

DESIGNED BY: SB

PROJECT NUMBER:

5240368028

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SHEET TITLE:

INTERIOR
PHOTOMETRICS

SHEET ID:

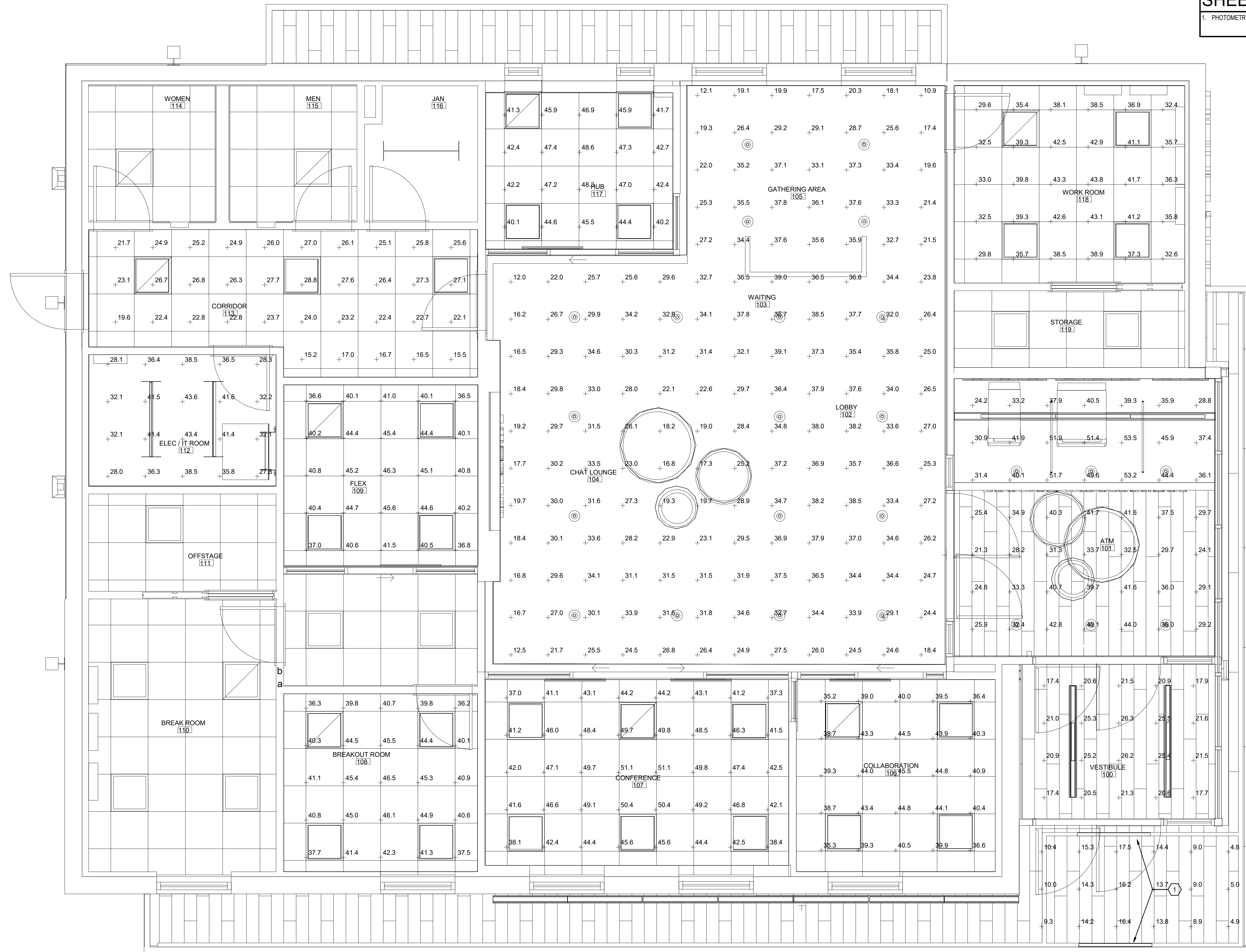
E602

PROJECT STATUS:

PERMIT DOCUMENTS

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
ATM 101	+	36.9 fc	53.5 fc	21.3 fc	2.5:1	1.7:1
BREAKOUT 108	+	41.8 fc	46.5 fc	36.2 fc	1.3:1	1.2:1
CENTRAL LOBBY	+	29.0 fc	39.1 fc	10.9 fc	3.6:1	2.7:1
COLLAB 106	+	40.7 fc	45.5 fc	35.2 fc	1.3:1	1.2:1
CONF. 107	+	45.0 fc	51.1 fc	37.0 fc	1.4:1	1.2:1
CORRIDOR 113	+	23.6 fc	28.8 fc	15.2 fc	1.9:1	1.6:1
ELEC/IT ROOM	+	35.8 fc	43.6 fc	27.8 fc	1.6:1	1.3:1
EXT FRONT ENTRY	+	11.5 fc	17.5 fc	4.8 fc	3.6:1	2.4:1
FLEX 109	+	41.6 fc	46.3 fc	36.5 fc	1.3:1	1.1:1
HUB 117	+	44.6 fc	48.6 fc	40.1 fc	1.2:1	1.1:1
VEST 100	+	21.7 fc	26.3 fc	17.4 fc	1.5:1	1.2:1
WORK ROOM 118	+	37.7 fc	43.8 fc	29.6 fc	1.5:1	1.3:1



1 LIGHTING PHOTOMETRICS (FOR REFERENCE ONLY)
E602 SCALE: N.T.S.

GENERAL NOTES:

A. PHOTOMETRIC CALCULATIONS ARE AT GROUND LEVEL.

SHEET NOTES:

1. FIXTURES IN PREMANUFACTURED CANOPY, 3000 LUMENS.



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PROJECT TITLE:

PNC MO LEE'S SUMMIT
GROUND UP BRANCH

PROJECT ADDRESS:

WEST PRYOR DEVELOPMENT, LOT
9A, NEW PRYOR RD. & NW SUMMIT
WOODS XING,
LEE'S SUMMIT, MO 64081

REVISIONS

Table with 3 columns: NO., DESCRIPTION, DATE. Row 1: 1, PERMIT COMMENTS 01, 03/17/2022

DATE ISSUED: 02/15/2022

REVIEWED BY: DAC

DRAWN BY: SB

DESIGNED BY: SB

PROJECT NUMBER:
5240368028
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SHEET TITLE:

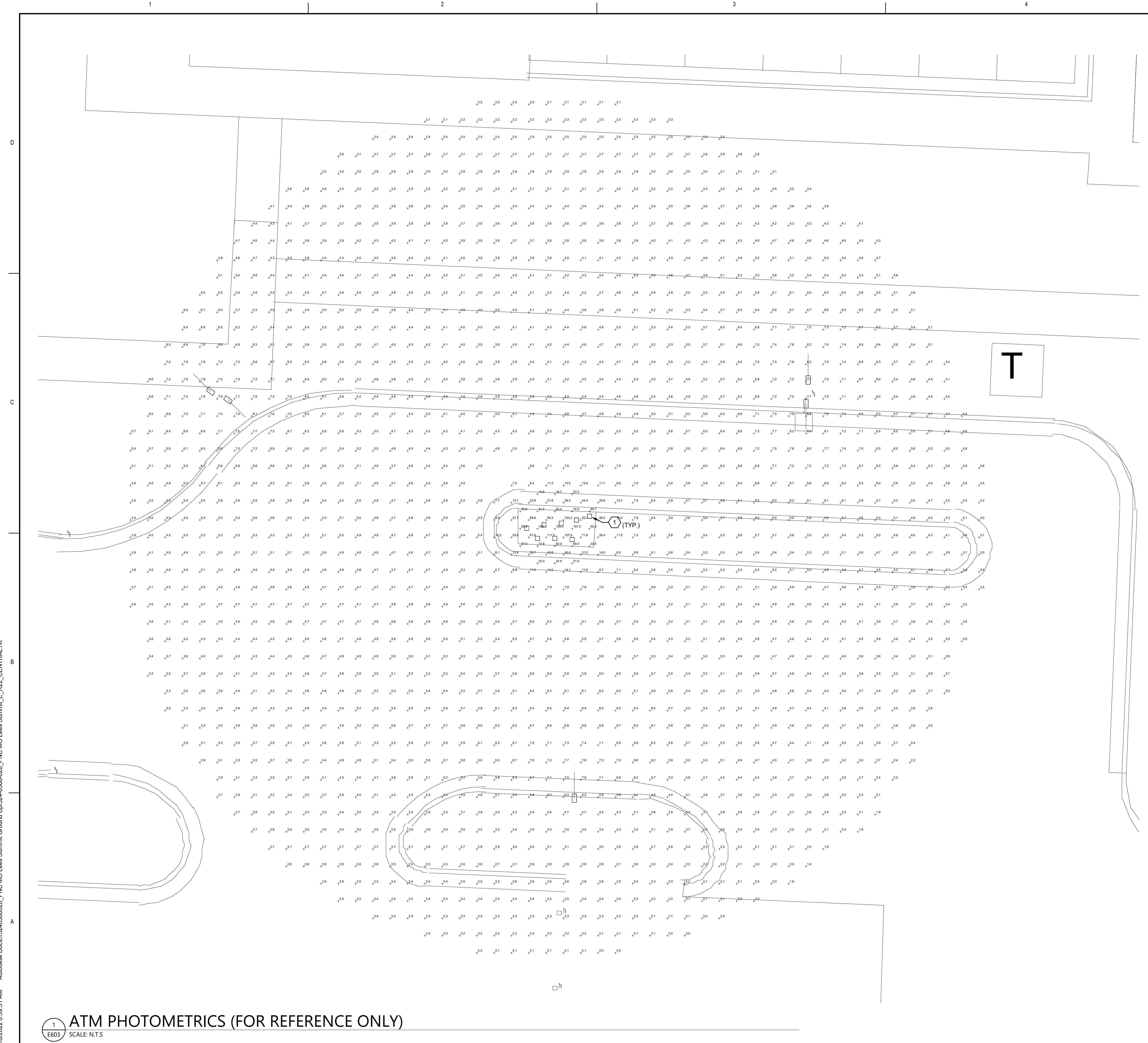
ATM PHOTOMETRICS

SHEET ID:

E603

PROJECT STATUS:

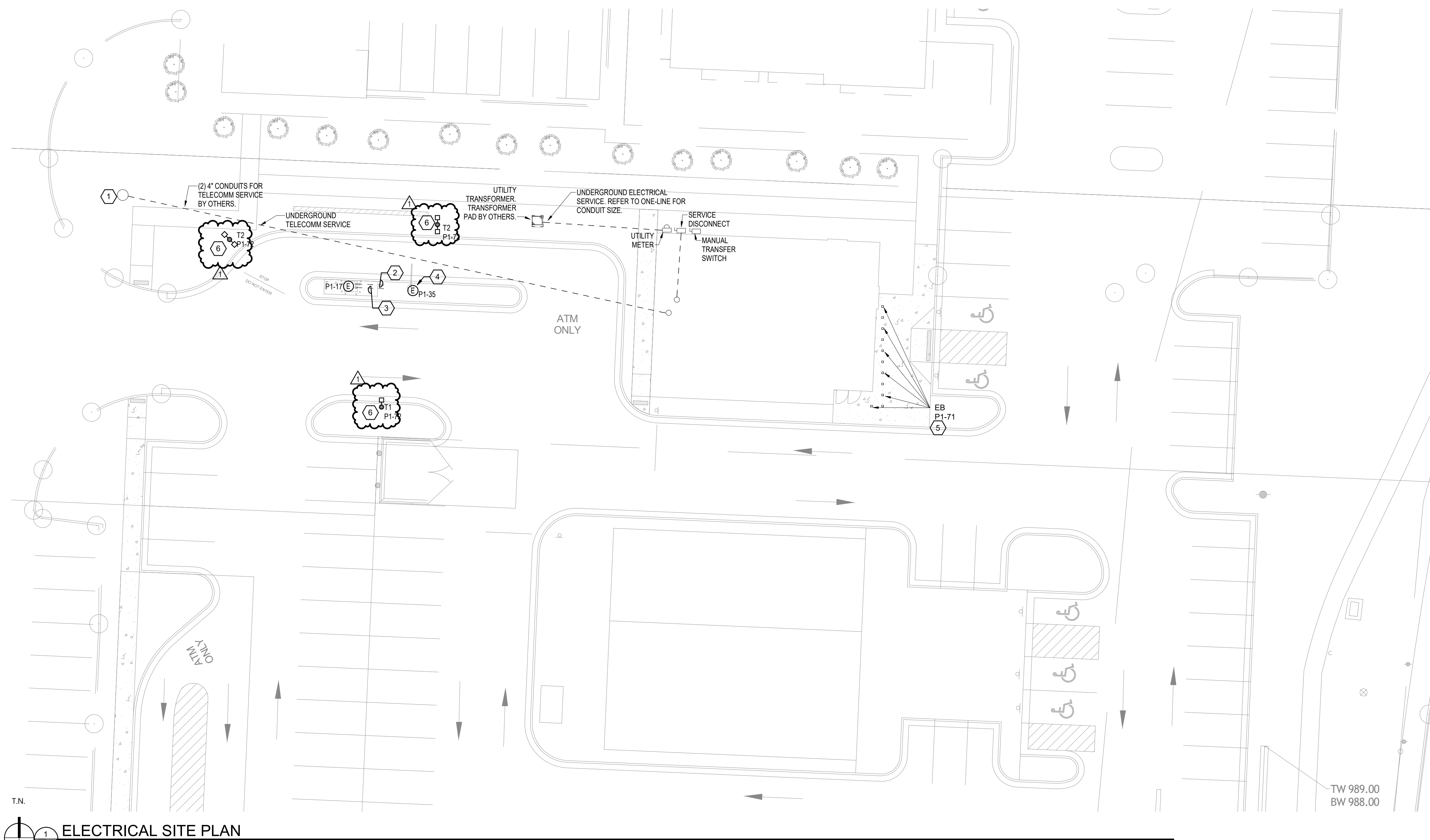
PERMIT DOCUMENTS



Statistics table with columns: Description, Symbol, Avg, Max, Min, Max/Min, Avg/Min. Rows: 50ft (+), ATM 5' Radius (+)

ATM PHOTOMETRICS (FOR REFERENCE ONLY)
SCALE: N.T.S.

3/18/2022 8:39:51 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/5240368028_PNC MO Lees Summit E_R22_CENTRAL.rvt



T.N.
 ES107
 1/16" = 1'-0"
ELECTRICAL SITE PLAN

3/18/2022 8:39:52 AM Autodesk Docs://5240368028_PNC MO Lees Summit Ground Up/5240368028_PNC MO Lees Summit E_R22_CENTRAL.rvt

GENERAL NOTES:
 A. COORDINATE ALL SITE WORK TO BE COMPLETED BY THE LANDLORD PRIOR TO CONSTRUCTION.

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SHEET NOTES:

- REFER TO CIVIL DRAWINGS FOR TELECOM EASEMENT LOCATION. COORDINATE TELECOM HANDHOLE LOCATION AND ROUTE CONDUIT UNDERGROUND TO BUILDING COMMUNICATIONS ROOM. STUB CONDUIT MINIMUM 6" ABOVE FINISHED GRADE ALONG THE PLAN SOUTH WALL OF THE ELECTRICAL ROOM. SEE 1/E201 FOR LOCATION.
- PROVIDE AND INSTALL (1) 3/4" RIGID CONDUIT FOR POWER CONNECTION TO DRIVE UP ATM.
- PROVIDE AND INSTALL (1) 4" P.V.C. PIPE FOR ROUTING OF COMMUNICATIONS TO DRIVE UP ATM.
- PROVIDE A 120V 20A ELECTRICAL CONNECTION WITH 3/4" RIGID CONDUIT TO ATM CANOPY. COORDINATE EXACT REQUIREMENTS WITH ATM VENDOR PRIOR TO ROUGH-IN.
- COORDINATE EXACT LOCATION OF BOLLARDS WITH ARCHITECTURAL DRAWINGS. CIRCUIT SHALL BE CONTROLLED VIA PHOTOCELL FOR DUSK/DAWN OPERATION.
- PROVIDE NEW POLE FIXTURES. SEE FIXTURE SCHEDULE FOR MORE DETAILS.

PROJECT TITLE:
 PNC MO LEE'S SUMMIT
 GROUND UP BRANCH

PROJECT ADDRESS:
 WEST PRYOR DEVELOPMENT, LOT
 9A, NEW PRYOR RD. & NW SUMMIT
 WOODS XING,
 LEE'S SUMMIT, MO 64081

STATE OF MISSOURI
 DREW A. CHITWOOD
 NUMBER
 PE-2018007862
 PROFESSIONAL ENGINEER
D.A.C. 03/17/2022



REVISIONS

NO.	DESCRIPTION	DATE
1	PERMIT COMMENTS 01	03/17/2022

DATE ISSUED: 02/15/2022
 REVIEWED BY: DAC
 DRAWN BY: SB
 DESIGNED BY: SB
 PROJECT NUMBER:
 5240368028
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SHEET TITLE:
 ELECTRICAL SITE
 PLAN

SHEET ID:
 ES101

PROJECT STATUS:
 PERMIT DOCUMENTS