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

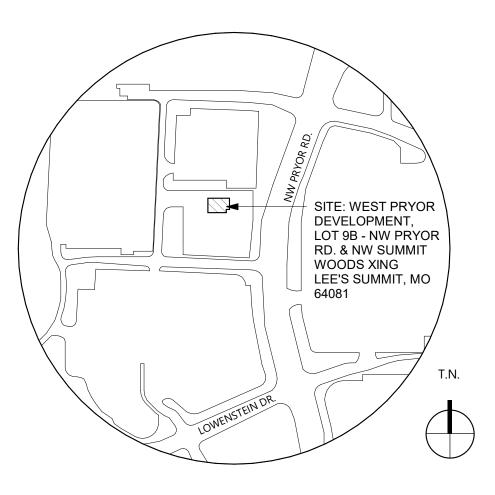
LEE'S SUMMIT, MO WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS XING

RS&H JOB NO.: 524-0368-028 ISSUE DATE: 03/17/2022

DRAWING ISSUE: PERMIT DOCUMENT COMMENT RESPONSE 01

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G002	GENERAL NOTES, ABBREVIATIONS AND SYMBOLS	S002	ABBREVIATIONS, SCHEDULES AND PERSPECTIVE VIEW	
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A602	WINDOW TYPES	E502	ELECTRICAL SCHEDULES	
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A901	PLAN DETAILS	ES101	ELECTRICAL SITE PLAN	
ID100	INTERIOR FINISH SCHEDULE & LEGEND			
ID200	INTERIOR FINISH PLAN			
ID300	FFE PLAN			
10300		J		



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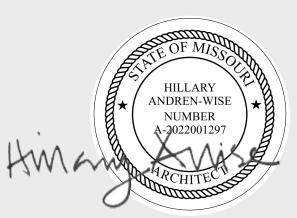
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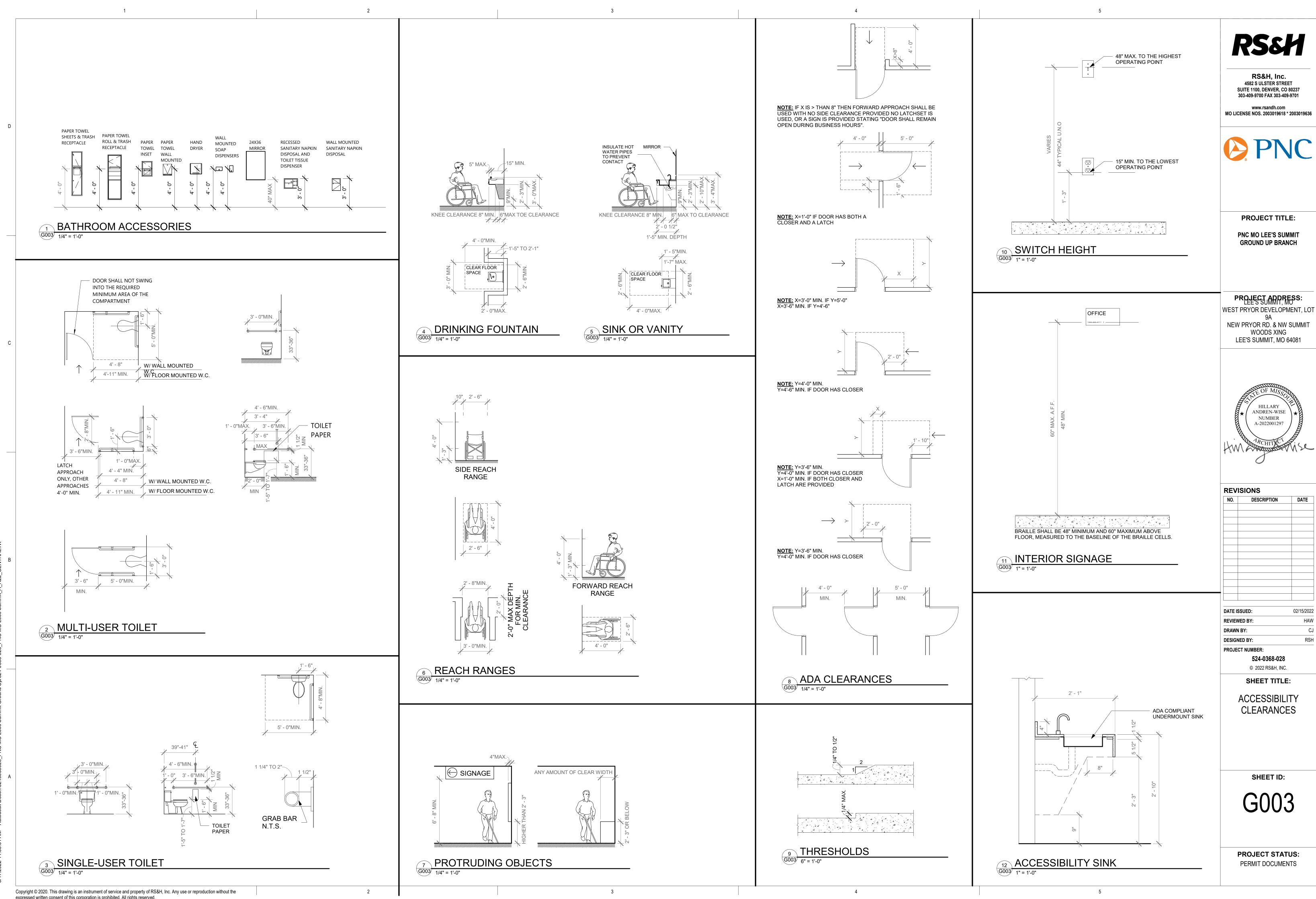
ARCHITECTURE | ENGINEERING | CONSULTING **RS81**



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ARCHITECTURAL A	BBREVIATIONS	PLAN SYMBOLS		MATERIAL SYMBOLS	
AT M/ DIAMETER MI ANCHOR BOLT MI AIR CONDITIONER MO ACOUSTICAL CEILING TILE MI	MATE. MATERIAL MAX. MAXIMUM MECH MECHANICAL, ELECTRICAL & PLUMBING MEP MANUFACTURER MFGR. MANAGER MGR. MINIMUM MIN. MISCELLANEOUS	BUILDING SECTION	CALLOUT HEAD & REGION	1-HOUR RATED WALL	2-HOUR RATED WALL
	MISC. MASONRY OPENING M.O. MODIFIED MOD METAL MTL METAL WALL PANEL MWP NUMBER NO. NOT APPLICABLE	DETAIL SECTION A1 A101	DOOR TAG XXX	3-HOUR RATED WALL	SMOKE RATED WALL
IATION, INC. O. OF	N/A NATIONAL FIRE PROTECTION ASSOCIATION NFPA NOT IN CONTRACT N.I.C. NOT TO SCALE N.T.S. ON CENTER D.C. OUTSIDE DIAMETER D.D. OWNER FURNISHED CONTRACTOR INSTALLED DFCI OPENING	ELEVATION - EXTERIOR	ELEVATION - INTERIOR 0 A-101 0	BATT INSULATION	
)PG)PP.)SHA)VHD PDU P.LAM. PLYWD.	OPPOSITE OCCUPATIONAL SAFETY AND HEALTH ACT OVERHEAD POWER DISTRIBUTION UNIT PLASTIC LAMINATE PLYWOOD PANEL	KEYNOTE 0	LEVEL HEAD	EARTH	EXPOSED & FINISHED WOOD TRIM
PN PF PS PS PS	PNL. PAIR PR. PRE-FABRICATED PRE-FAB POUNDS PER SQUARE FOOT PSF POUNDS PER SQUARE INCH PSI PAINT, PRESSURE TREATED PT POLYVINYL CHLORIDE PVC POLYVINYL CHLORIDE	NORTH ARROW	REVISION TAG	GRASS	GRAVEL
R. RE RE	RADIUSRRAISED ACCESS FLOORR.A.F.RETURN AIR GRILLER.A.G.RUBBER BASERBRECEPTION, RECEPTIONISTRECEP.REFRIGERATOR, REFER, REFERENCE	ROOM TAG ROOM NAME 101	ROOM TAG W/ AREA Image: Room name 101 150 SF	GYPSUM / PLASTER	MASONRY - BRICK
REF F REINF F REQ'D. F REV. F R.D. F R.O. S	REINFORCING, REINFORCEMENT REQUIRED REVISED, REVISION ROOF DRAIN ROUGH OPENING SEALED CONCRETE SCHEDULE	SPECIALTY EQUIPMENT TAG	VIEW REFERENCEMATCHLINE SEE XX/A101	MASONRY - CONCRETE BLOCK	PLYWOOD
DRAIN SE DISTANCE S. COOLER SF SED SC	SCHED.SOLID CORE WOODSCWSECTIONSECT.SQUARE FEETS.F.SPRAYED FIRE RESISTIVE MATERIALSFRMSEMI-GLOSS PAINTS.G.P.SQUARE INCHESSQ. IN.SHEET	VIEW TITLE DRAWING TITLE SCALE: 1/8" = 1'-0"	WALL & CURTAIN WALL TAG		STEEL
N SH SH CTION SF SJ ST ST ST ST	SHEET SHT. SHEET SHTS. SIMILAR SIM. SPECIFICATIONS SPECS SERVICE SINK S.S. SOUND TRANSMISSION CLASS STC STANDARD STD. STEEL STL. STORAGE	WALL SECTION A1 A101	WINDOW & LOUVER TAG	STUCCO / E.I.F.S.	TILE / CARPET
C FIRE HOSE CABINET ST A. FINISH, FINISHED SL R. FILOOR SL C. FACE OF ST D.B. FACE OF BRICK TS D.P. FACE OF POST TE C. FEET TC G. FOOTING TA / FIELD VERIFY TA P FIBER REINFORCED PANEL TA // FIELD VERIFY TA P FIBER REINFORCED PANEL TA // GAUGE TA // GAUGE TA // GAUGE TA // GAUSE DATA // GAUSE DATA // GAUSS U. P. GLOSSY PAINT U. // P. GYPSUM BOARD FURRING VC // GYPSUM WALL BOARD VC // P. GYPSUM WALL BOARD VC // F. GYPSUM WALL BOARD VC // P. GYPSUM WALL BOARD VC // C HOSE BIBB VC // // AC HEATING VENTILATION & AIR CONDITIONING WC // AC HEATING VENTILATION & AIR CONDITIONING WC // NSIDE DIAMETER WC // NSIDE	VDC VERTICAL VERT. VIRTUAL REALITY VR WITH WITH				

EAD & REGION	1-HOUR RATED WALL	L SYMBOLS 2-HOUR RATED WALL	RS&H
	3-HOUR RATED WALL	SMOKE RATED WALL	RS&H, Inc. 4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237
XXX			303-409-9700 FAX 303-409-9701 www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636
- INTERIOR 0	BATT INSULATION		
■ Name — Elevation ●		EXPOSED & FINISHED WOOD TRIM	PROJECT TITLE:
AG	GRASS	GRAVEL	PNC MO LEE'S SUMMIT GROUND UP BRANCH
W/ AREA ROOM NAME 101 150 SF RENCE	GYPSUM / PLASTER	MASONRY - BRICK	PROJECT ADDRESS: LEE'S SUMMIT, MO WEST PRYOR DEVELOPMENT, LOT
MATCHLINE SEE XX/A101			9A NEW PRYOR RD. & NW SUMMIT WOODS XING LEE'S SUMMIT, MO 64081
TAIN WALL TAG		STEEL	STE OF MISSO
LOUVER TAG			
			REVISIONS NO. DESCRIPTION DATE DATE DATE DATE DATE DATE DATE DATE IDATE DATE SUBLE CJ DESIGNED BY: RSH PROJECT NUMBER: CJ DESIGNERAL NOTES ABBREVIATIONS AND SYMBOLS
			SHEET ID:
4		5	PROJECT STATUS: PERMIT DOCUMENTS



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1

NOT APPLICABLE	FURNIS PURCHA:		INSTALL	ED BY:		
	OWNER	GC	OWNER	GC		
0	1	2	3	4 X	GENERAL SUBCONTRACTOR PERMITS	
		x		~	SITE WORK - SURVEY / AS BUILTS	
0	1	2	3	4	SIGNAGE	
	X X		x x		EXTERIOR BUILDING SIGNAGE INTERIOR SIGNAGE & MARKETING	G.C. TO PROVIDE POWER AS REQUIRED AND EN G.C. TO PROVIDE POWER AS REQUIRED AND EN
0	1	2	3	4	CARPENTRY / MILLWORK	
		X				G.C. TO PROVIDE AND INSTALL FROM PNC APP
		X		Х	FSC CERTIFIED PLYWOOD	G.C. TO COORDINATE CONDUIT ROUTING HOL
0	1	2	3	4	DOORS & MILLWORK	
		х		X	VESTIBULE STOREFRONT	INCLUDING HARDWARE
	X		X		STANLEY SLIDING DOORS	PNC TO DIRECT CONTRACT WITH STANLEY FOR
0	1	2	3	4	FINISHES	
-	x	_		X	CARPET	G.C. TO PROVIDE QUANTITIES TO PNC PM FOR
	X			X	CARPET ADHESIVE	
0	1	2	3	4	SPECIALTY	
0	x		X	4	FIXED / DEMOUNTABLE INTERIOR OFFICE STOREFRONT PARTITIONS	G.C. TO COORDINATE INSTALL. G.C. TO COORD
	1					
0	1	2	3	4	EQUIPMENT	
	x x		x x		SECURITY DEVICES BANKING EQUIPMENT	DEVICE AND FINAL TERMINATION BY OWNER.
		X		X	STAFF LOUNGE AND KITCHENETTE EQUIPMENT	REFER TO SCHEDULE ON SHEET ID300. THIS INC
	x x		X X		OFFICE EQUIPMENT SPEAKERS MUZAK	COORDINATED BY PNC CDS CABLE ROUGH, VOLUME CONTROLS AND SPEA
	X		X		SECURITY	COORDINATE LOCATIONS AND LOW VOLTAGE
	X		X		LOCKERS	PNC FURNITURE VENDOR TO PROVIDE AND IN
0	1	2	3	4	FURNISHINGS	
0	x	2	X	4	FURNITURE	G.C. TO COORDINATE WITH PNC VENDOR
		X		X	SHELVING	SEE LOCATIONS ON ON SHEET ID300
		X		Х	BANKING EQUIPMENT	
0	1	2	3	4	TELECOMMUNICATIONS	
	x		x		TELEPHONE SYSTEM AND HANDSETS	WIRING AND MOUNTING BY PNC LOW VOLTAG
0	1 	2	3	4		
	X			X	LIGHTING FIXTURE PACKAGE	FIXTURES AND CONTROLS SHIPPED DIRECT TO
0	1	2	3	4	ELECTRICAL	
	x			X	SWITCH GEAR	SWITCHGEAR SHIPPED DIRECT TO ELECTRICAL
		X X		X X	EXTERIOR BUILDING ELECTRICAL SECURITY DEVICE AND EQUIPMENT POWER	COORDINATE WITH OWNER SIGNAGE REQUIRE COORDINATE WITH PNC VENDOR
	X			X	STORM SWITCH	STORM SWITCH SHIPPED DIRECT TO ELECTRICA
			3	4	MECHANICAL	
0	1	2	-	-	ROOF TOP UNITS	HVAC UNITS SHIPPED DIRECT TO MECHANICAL
0	1 X	2		х		
0	1 X	2 X			BI-POLAR IONIZATION	
0		X X		X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES	PROVIDED AND INSTALLED BY MECHANICAL CO
0	X	x x x		x x x	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL
0		X X		x x x	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES	PROVIDED AND INSTALLED BY MECHANICAL CO
0	X	x x x	3	x x x	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL
	x	x x x x	3 X	X X X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP LOW VOLTAGE	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL COORDINATED WITH OWNER
	X X X	x x x x		X X X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL COORDINATED WITH OWNER OWNER PREFERRED VENDOR. DEVICES SUPPLIE
	X X 1 	x x x x z 2 x	x x	X X X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP LOW VOLTAGE SECURITY DEVICE AND EQUIPMENT WIRING CCTV AND ALARM WIRING TELECOM: VOICE AND DATA	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL COORDINATED WITH OWNER OWNER PREFERRED VENDOR. DEVICES SUPPLIE OWNER PREFERRED VENDOR. DATA CABLING B
	X X 1 	x x x x x z 2 2 x x x x x x	X	X X X X 4 X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP LOW VOLTAGE SECURITY DEVICE AND EQUIPMENT WIRING CCTV AND ALARM WIRING TELECOM: VOICE AND DATA RTU AND MECHANICAL CONTROL WIRE LIGHTING CONTROL WIRING	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL COORDINATED WITH OWNER OWNER PREFERRED VENDOR. DEVICES SUPPLIE OWNER PREFERRED VENDOR. DATA CABLING E CONTROLS SUPPLIED AND TERMINATION BY G ELECTRICAL CONTRACTOR FOR ALL 0-10V DIMI
	X X 1 	x x x x x z 2 x x x x	x x	X X X X 4 X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP LOW VOLTAGE SECURITY DEVICE AND EQUIPMENT WIRING CCTV AND ALARM WIRING TELECOM: VOICE AND DATA RTU AND MECHANICAL CONTROL WIRE	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL COORDINATED WITH OWNER OWNER PREFERRED VENDOR. DEVICES SUPPLIE OWNER PREFERRED VENDOR. DATA CABLING E CONTROLS SUPPLIED AND TERMINATION BY G ELECTRICAL CONTRACTOR FOR ALL 0-10V DIMI REFERENCE SLIDING DOOR / CARD READERS/ S
	X X 1 	x x x x x z 2 2 x x x x x x	X X X	X X X X 4 4 X X X X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP LOW VOLTAGE SECURITY DEVICE AND EQUIPMENT WIRING CCTV AND ALARM WIRING TELECOM: VOICE AND DATA RTU AND MECHANICAL CONTROL WIRE LIGHTING CONTROL WIRING EXTERIOR DOOR CONTROLS WIRE, STANLEY TOGGLE SWITCH AND CHIME	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL COORDINATED WITH OWNER OWNER PREFERRED VENDOR. DEVICES SUPPLIE OWNER PREFERRED VENDOR. DATA CABLING E CONTROLS SUPPLIED AND TERMINATION BY G ELECTRICAL CONTRACTOR FOR ALL 0-10V DIMI REFERENCE SLIDING DOOR / CARD READERS/ S
	X X 1 	X X X X X 2 2 X X X X X X X	X X X	X X X X 4 4 X X X X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP LOW VOLTAGE SECURITY DEVICE AND EQUIPMENT WIRING CCTV AND ALARM WIRING TELECOM: VOICE AND DATA RTU AND MECHANICAL CONTROL WIRE LIGHTING CONTROL WIRING EXTERIOR DOOR CONTROLS WIRE, STANLEY TOGGLE SWITCH AND CHIME SPEAKERS WIRE AND ROUGH-IN	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALL COORDINATED WITH OWNER OWNER PREFERRED VENDOR. DEVICES SUPPLIE OWNER PREFERRED VENDOR. DATA CABLING B CONTROLS SUPPLIED AND TERMINATION BY G ELECTRICAL CONTRACTOR FOR ALL 0-10V DIMI REFERENCE SLIDING DOOR / CARD READERS/ S DEVICES SUPPLIED AND TERMINATION BY OW
0	X X X 1 X X	X X X X X 2 2 2 2 3 4 4 4 4 4 5 4 5 4 5 4 5 4 5 5 7 5 7 7 7 7	X X X X X	X X X X 4 4 X X X X	ALL OTHER MECHANICAL EQUIPMENT, FILTERS, AND ACCCESSORIES CONTROLS EQUIPMENT START UP LOW VOLTAGE SECURITY DEVICE AND EQUIPMENT WIRING CCTV AND ALARM WIRING TELECOM: VOICE AND DATA RTU AND MECHANICAL CONTROL WIRE LIGHTING CONTROL WIRING EXTERIOR DOOR CONTROLS WIRE, STANLEY TOGGLE SWITCH AND CHIME SPEAKERS WIRE AND ROUGH-IN EXTERIOR DOOR CONTROL - CHIME AND DOORBELL	PROVIDED AND INSTALLED BY MECHANICAL CO ALL OTHER MECHANICAL EQUIPMENT PROVIDE ALL HVAC CONTROLS PROVIDED AND INSTALLE COORDINATED WITH OWNER OWNER PREFERRED VENDOR. DEVICES SUPPLIE OWNER PREFERRED VENDOR. DATA CABLING B CONTROLS SUPPLIED AND TERMINATION BY G. ELECTRICAL CONTRACTOR FOR ALL 0-10V DIMN REFERENCE SLIDING DOOR / CARD READERS/ S DEVICES SUPPLIED AND TERMINATION BY OWN

3

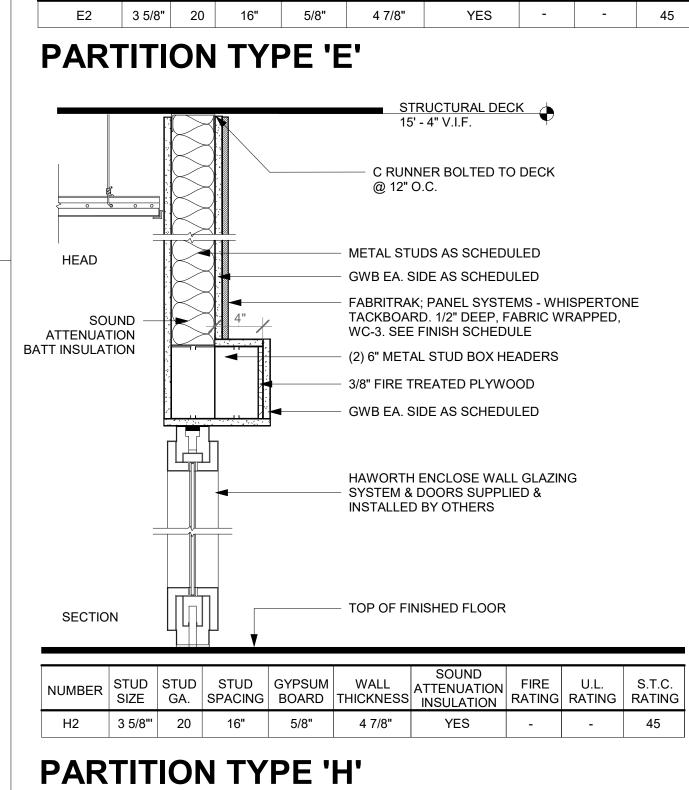
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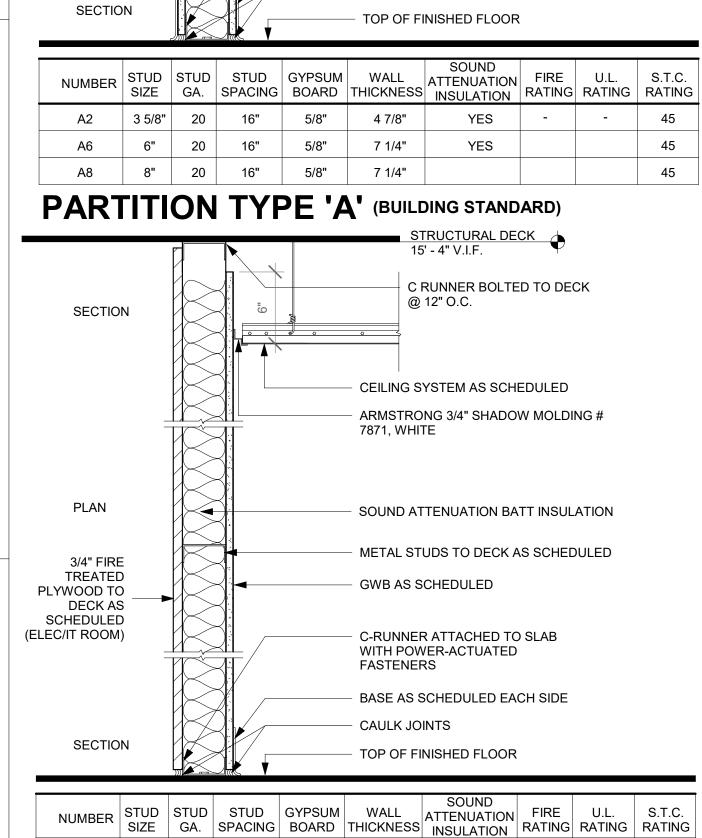
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	www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636
NOTES	
D ENSURE ALL PENETRATIONS ARE SEALED.	PNC
NOTES	
APPROVED VENDOR. IOLD-TO DIMENSIONS WITH MILLWORK	
NOTES	PROJECT TITLE:
	PNC MO LEE'S SUMMIT
FOR SUPPLY AND INSTALLATION	GROUND UP BRANCH
NOTES	
OR PURCHASE	
	PROJECT ADDRESS: LEE'S SUMMIT, MO
NOTES DRDINATE HOLD-TO DIMENSION WITH VENDOR, CONDUITS BY G.C.	WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT
NOTE	WOODS XING LEE'S SUMMIT, MO 64081
NOTES ER. CABLING AND CONDUIT BY E.C. LV SECURITY WIRING BY PNC PREFERRED LV CONTRACTOR	
MENT VENDOR INCLUDES REMOVEABLE TRASH CANS IN ALL TRASH CABINETS.	
PEAKER PLACEMENT BY MOOD MUZAK VENDOR	SE OF MISSO
AGE REQUIREMENTS WITH PNC LOW VOLTAGE VENDOR	 ★ ★ HILLARY ANDREN-WISE NUMBER A-2022001297
INSTALL.	
NOTES	ARCHITIC
	HAN WARDON AND
NOTES	REVISIONS NO. DESCRIPTION DATE
TAGE VENDOR. FINAL TERMINATION BY PNC CDS AND PNC LOW VOLTAGE VENDOR	
NOTES	
TO ELECTRICAL CONTRACTOR WHO WILL BE RESPONSIBLE FOR INSPECTIONS, DELIVERY TO SITE AND INSTALLATION	
NOTES	
AL CONTRACTOR WHO WILL BE RESPONSIBLE FOR INSPECTING, DELVIERY TO SITE AND INSTALLATION JIREMENTS	
RICAL CONTRACTOR WHO WILL BE RESPONSIBLE FOR INSPECTING, DELIVERY TO SITE AND INSTALLATION	
	DATE ISSUED: 02/15/2022 REVIEWED BY: HAW
NOTES CAL SUBCONTRACTOR WHO WILL BE RESPONSIBLE FOR DELIVERY TO SITE AND INSTALLATION	DRAWN BY: CJ DESIGNED BY: RSH
	PROJECT NUMBER: 524-0368-028
ALLED BY GC	© 2022 RS&H, INC.
	SHEET TITLE:
NOTES	RESPONSIBILITY MATRIX
PLIED AND TERMINATION BY OWNER	
PLIED AND TERMINATION BY OWNER IG BY PNC LOW VOLTAGE VENDOR. CONDUIT BY G.C.	
Y G.C.	
DIMMING AND LIGHTING CONTROLS S/ SECURITY INTERFACE DETAIL OWNER TO COORDINATE SPEAKER AND PROFUSION DEVICE LOCATIONS WITH MOOD MEDIA	SHEET ID:
NOTES	G004
ESTING FOR FOUNDATION ONLY D INSPECTIONS, AND CURTAIN WALL TO BE COORDINATED WITH PNC.	
	PROJECT STATUS:
	PERMIT DOCUMENTS

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C RUNNER BOLTED TO DECK

15' - 4" V.I.F.

@ 12" O.C.

7871, WHITE

FASTENERS

CAULK JOINTS

CEILING SYSTEM AS SCHEDULED

ARMSTRONG 3/4" SHADOW MOLDING #

SOUND ATTENUATION BATT INSULATION

METAL STUDS AS SCHEDULED

GWB EA. SIDE AS SCHEDULED

C-RUNNER ATTACHED TO SLAB WITH POWER-ACTUATED

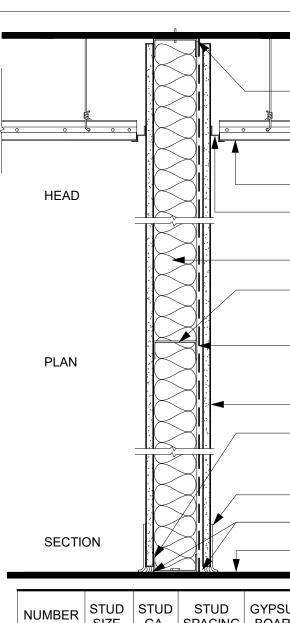
BASE AS SCHEDULED EACH SIDE

HEAD

PLAN

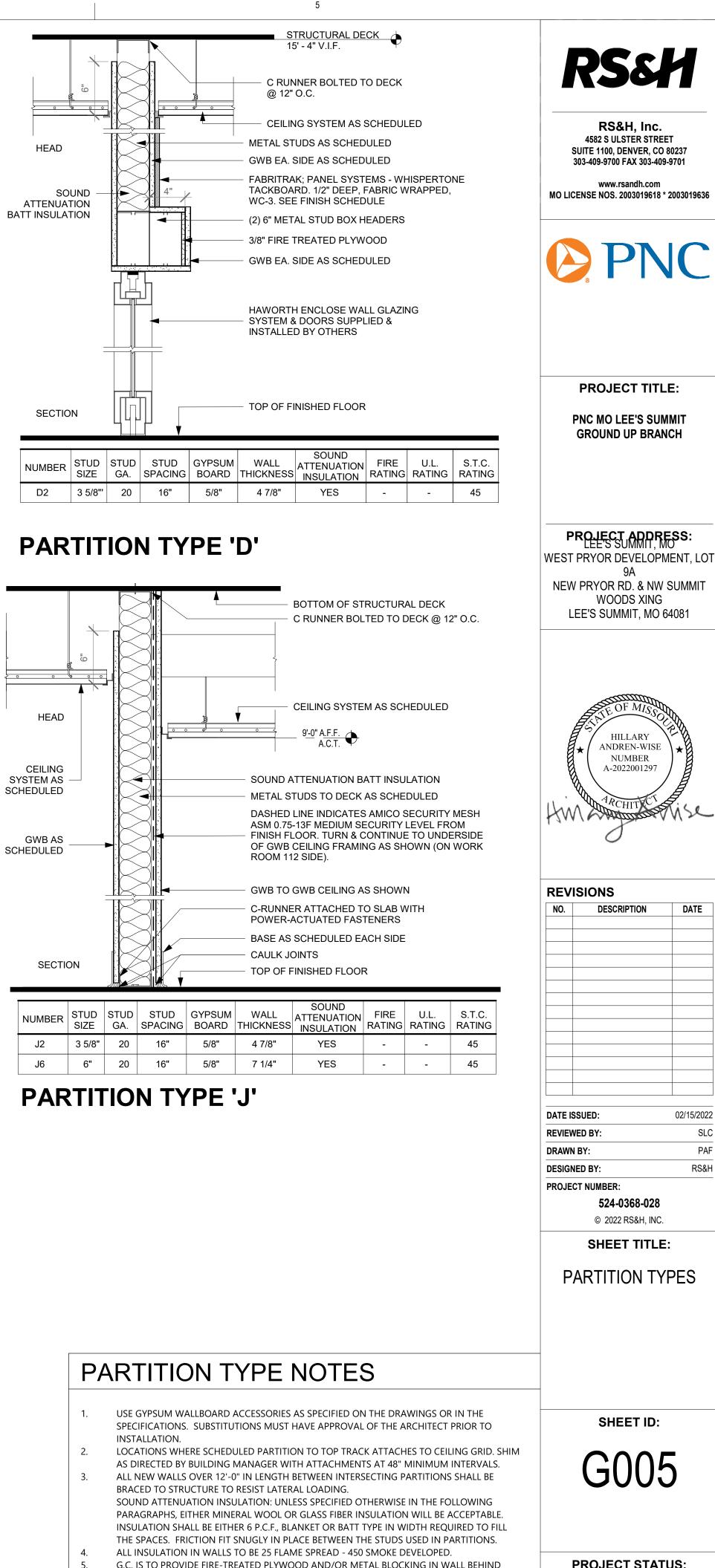






2		5 4
	STRUCTURAL DECK	STRUCTURAL DECK
	C RUNNER BOLTED TO DECK @ 12" O.C.	C RUNNER BOLTED TO DECK @ 12" O.C.
	CEILING SYSTEM AS SCHEDULED	HEAD
HEAD	ARMSTRONG 3/4" SHADOW MOLDING #	HEAD ARMSTRONG 3/4" SHADOW MOLDING # 7871, WHITE
	7871, WHITE	METAL STUDS TO DECK AS SCHEDULED
	SOUND ATTENUATION BATT INSULATION	SOUND ATTENUATION BATT INSULATION
	METAL STUDS TO DECK AS SCHEDULED	DASHED LINE INDICATES AMICO SECURITY MESH
	DASHED LINE INDICATES AMICO SECURITY	ASM 0.75-13F MEDIUM SECURITY LEVEL FROM
	MESH ASM 0.75-13F MEDIUM SECURITY	
PLAN	LEVEL FROM FINISH FLOOR TO UNDERSIDE OF STRUCTURE (ON	GWB TO DECK EA. SIDE AS SCHEDULED
		METAL STUD BOX HEADER
	GWB TO DECK EA. SIDE AS SCHEDULED	
	C-RUNNER ATTACHED TO SLAB WITH POWER-ACTUATED	
	FASTENERS	
	BASE AS SCHEDULED EACH SIDE	INTERIOR ALUMINUM STOREFRONT SYSTEM AS SCHEDULED
	CAULK JOINTS	TOP OF FINISHED FLOOR
SECTION	TOP OF FINISHED FLOOR	SECTION
NUMBER STUD	STUD STUD GYPSUM WALL SOUND FIRE U.L. S.T.C.	NUMBER STUD STUD STUD GYPSUM WALL SOUND FIRE U.L. S.T.C.
SIZE	GA. SPACING BOARD THICKNESS INSULATION RATING RATING RATING	NOMBER SIZE GA. SPACING BOARD THICKNESS INSULATION RATING RATING RATING
B2 3 5/8"	20 16" 5/8" 4 7/8" YES 45	C2 3 5/8" 20 16" 5/8" 4 7/8" YES 45
PARTI	FION TYPE 'B'	PARTITION TYPE 'C'
. /		
	STRUCTURAL DECK	STRUCTURAL DECK
	C RUNNER BOLTED TO DECK @ 12" O.C.	C RUNNER BOLTED TO DECK
SECTION		SECTION G 12 0.0.
	ARMSTRONG 3/4" SHADOW MOLDING # 7871, WHITE	ARMSTRONG 3/4" SHADOW MOLDING # 7871, WHITE
		SOUND ATTENUATION BATT INSULATION
		METAL STUDS TO DECK AS SCHEDULED
	SOUND ATTENUATION BATT INSULATION	DASHED LINE INDICATES AMICO SECURITY
		MESH ASM 0.75-13F MEDIUM SECURITY LEVEL FROM FINISH FLOOR TO
PLAN	METAL STUDS AS SCHEDULED	PLAN UNDERSIDE OF STRUCTURE (ON
	GWB AS SCHEDULED	
		GWB TO DECK AS SCHEDULED
	C-RUNNER ATTACHED TO SLAB WITH POWER-ACTUATED	C-RUNNER ATTACHED TO SLAB WITH POWER-ACTUATED
	FASTENERS	FASTENERS
	BASE AS SCHEDULED EACH SIDE	BASE AS SCHEDULED EACH SIDE
	CAULK JOINTS	CAULK JOINTS
SECTION	TOP OF FINISHED FLOOR	SECTION TOP OF FINISHED FLOOR
NUMBER STUD		NUMBER STUD STUD STUD GYPSUM WALL SOUND FIRE U.L. S.T.C.
F2 3 5/8		NOMBER SIZE GA. SPACING BOARD THICKNESS INSULATION RATING RATING RATING G2 3 5/8" 20 16" 5/8" 4 1/4" YES - - 45
F4 2 1/2		Gz 33/0 20 10 3/0 41/4 1L3 43
ΡΔRTI	TION TYPE 'F'	PARTITION TYPE 'G'
	STRUCTURAL DECK	
	15' - 4" V.I.F.	15' - 4" V.I.F.
	C RUNNER BOLTED TO DECK	C RUNNER BOLTED TO DECK
	@ 12" O.C.	@ 12" O.C.
=	METAL STUDS AS SCHEDULED	
HEAD	GWB EA. SIDE AS SCHEDULED	HEAD CEILING SYSTEM AS SCHEDULED
	FABRITRAK; PANEL SYSTEMS - WHISPERTONE	ARMSTRONG 3/4" SHADOW MOLDING #
SOUND — ATTENUATION	TACKBOARD. 1/2" DEEP, FABRIC WRAPPED, WC-3. SEE FINISH SCHEDULE	
BATT INSULATION	(2) 6" METAL STUD BOX HEADERS	
	3/8" FIRE TREATED PLYWOOD	SOUND ATTENUATION BATT INSULATION
	GWB EA. SIDE AS SCHEDULED	
		PLAN METAL STUDS AS SCHEDULED
		GWB TO DECK EA. SIDE AS SCHEDULED
	C-RUNNER ATTACHED TO SLAB	C-RUNNER ATTACHED TO SLAB WITH POWER-ACTUATED
=	WITH POWER-ACTUATED FASTENERS	FASTENERS
	BASE AS SCHEDULED EACH SIDE	BASE AS SCHEDULED EACH SIDE
	CAULK JOINTS	CAULK JOINTS
SECTION	TOP OF FINISHED FLOOR	SECTION TOP OF FINISHED FLOOR
NUMBER STUD	STUD STUD GYPSUM WALL SOUND FIRE U.L. S.T.C.	NUMBER STUD STUD STUD GYPSUM WALL SOUND FIRE U.L. S.T.C.
SIZE	GA. SPACING BOARD THICKNESS INSULATION RATING RATING RATING	NUMBER STUD STUD STUD STUD GYPSUM WALL ATTENUATION FIRE U.L. ST.C. NUMBER SIZE GA. SPACING BOARD THICKNESS ATTENUATION FIRE U.L. ST.C.
I2 3 5/8"'	20 16" 5/8" 4 7/8" YES 45	K2 3 5/8" 20 16" 5/8" 4 7/8" YES - 45
PARTIT	ION TYPE 'I'	PARTITION TYPE 'K'
2		5 4

3



G.C. IS TO PROVIDE FIRE-TREATED PLYWOOD AND/OR METAL BLOCKING IN WALL BEHIND MILLWORK/CABINETRY/SHELVING/ DOOR & WALL CLASS A STOPS FOR MOST SECURE METHOD OF ANCHORING, AS WELL AS BEYOND WALL MOUNTED FURNITURE WITHIN OFFICES.

5

SHEET ID:

524-0368-028

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WOODS XING

HILLARY ANDREN-WISE NUMBER A-2022001297

DATE

02/15/2022

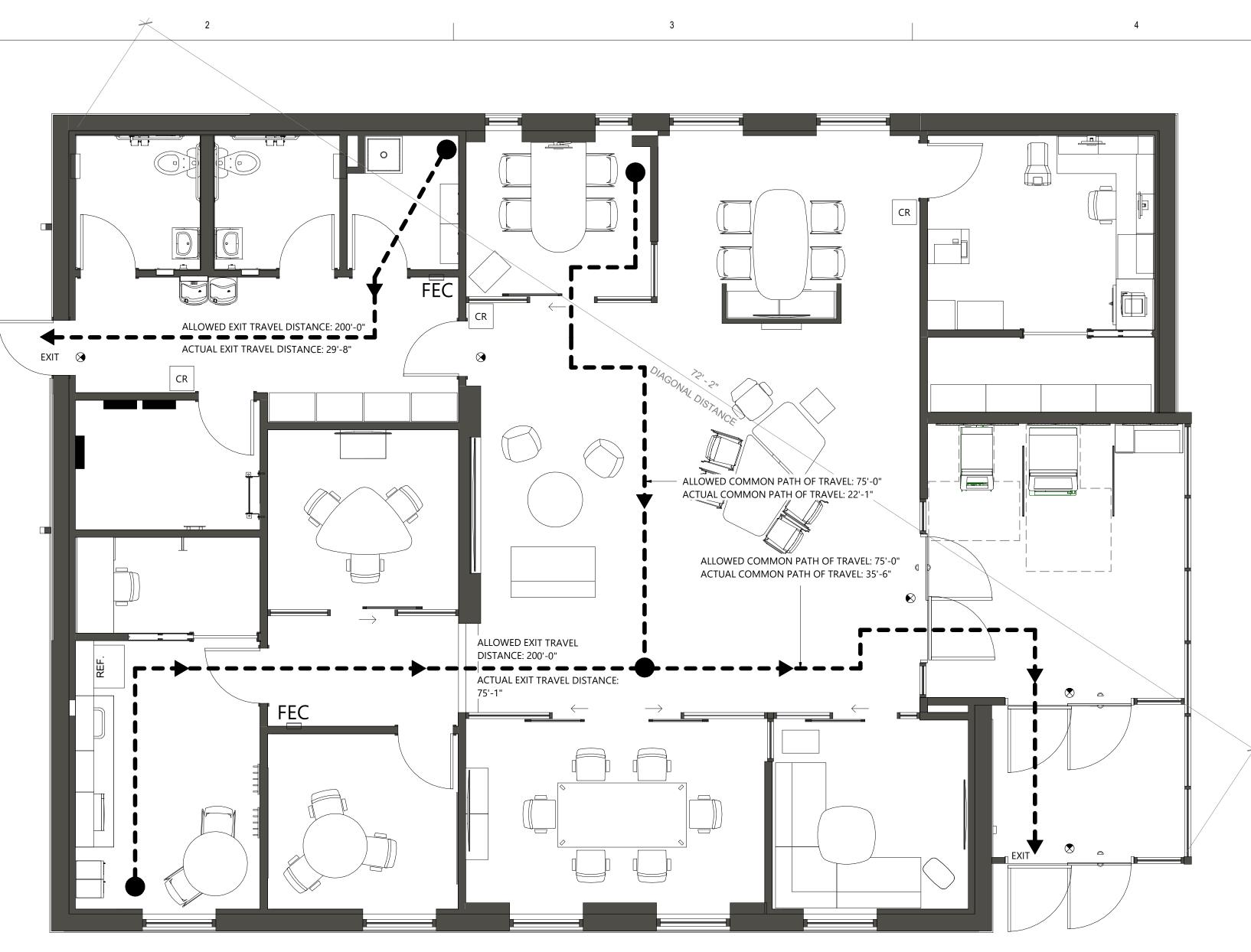
SLC

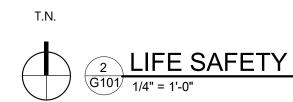
PAF

RS&H



PROJECT STATUS: PERMIT DOCUMENTS





FIRE PROTECTION NOTES

1

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.

LIFE SAFETY NOTES

INTERIOR WALLS AND CEILING FINISH REQUIREMENTS FOR BUSINESS OCCUPANCY SHALL BE CLASS B PER IBC TABLE 803.11 FOR 1. EXIT ENCLOSURES AND EXIT PASSAGEWAYS, CLASS C FOR CORRIDORS, AND CLASS C FOR ROOMS AND ENCLOSED SPACES. MEANS OF EGRESS PER IBC 1001.

- EXIT SIGNS PER IBC 1013. EXIT ACCESS TRAVEL DISTANCE SHALL NOT BE MORE THAN 200 FEET WITHOUT AUTOMATIC SPRINKLER SYSTEM PER IBC TABLE
- 1017.2. PORTABLE FIRE EXTINGUISHERS IN BUSINESS OCCUPANCIES WITH QUICK RESPONSE SPRINKLERS SHALL BE REQUIRED AS NOTED
- PER IBC SECTION 906. FIRE EXTINGUISHERS DURING CONSTRUCTION PER IBC 3309. 6.

2018 INTERNATIONAL FIRE CODE, IFC 2017 NFPA 70 - NATIONAL ELECTRICAL CODE

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"/ 1 OCCUPANT = 5" REQUIRED EXIT WIDTH

2 EXIT DOORS = 110" EXIT WIDTH PROVIDED 1 @ 76" CLEAR WIDTH 1 @ 34" CLEAR WIDTH

2

3.

4.

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 ICC/ANSI 117.1-2009 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

OCCUPANCY COUNTS + EGRESS

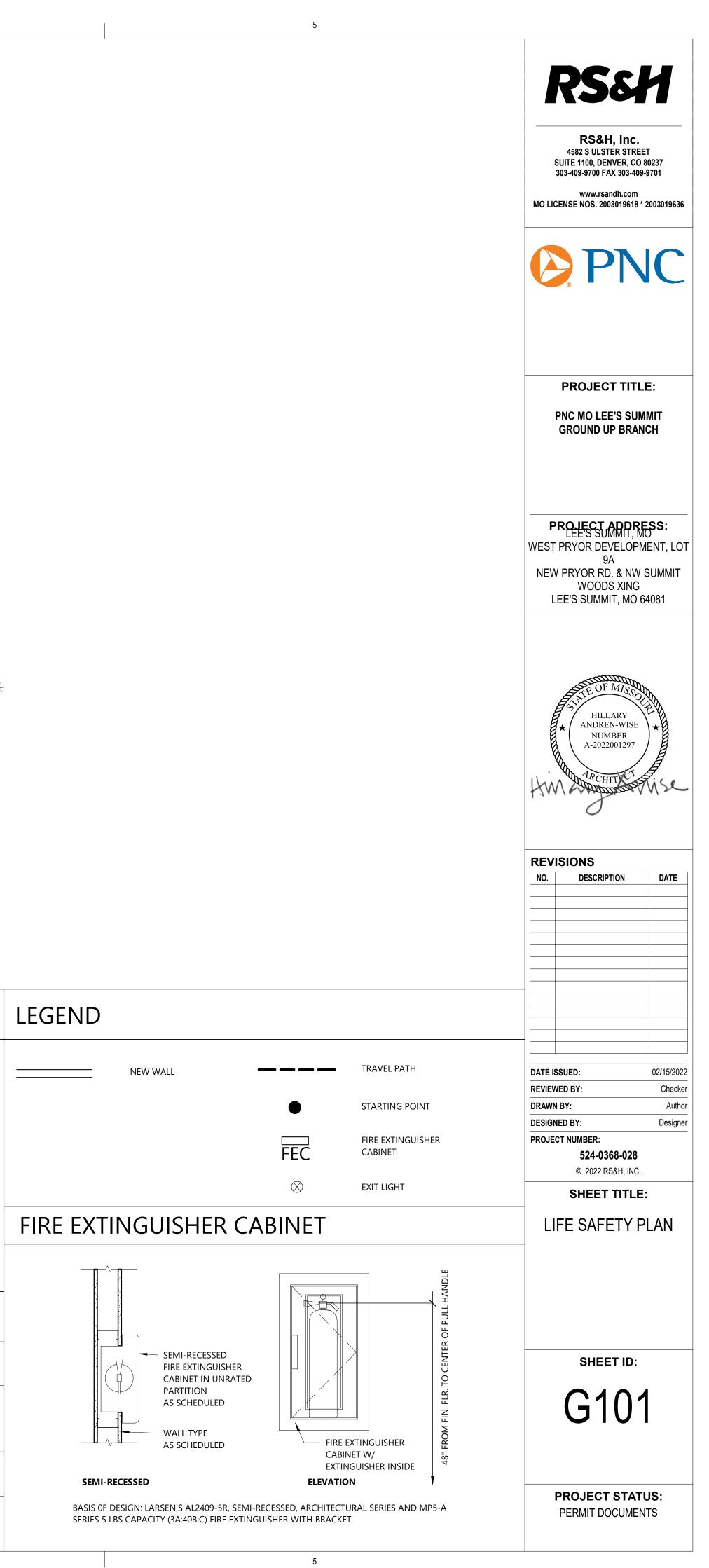
CODE SUMMARY

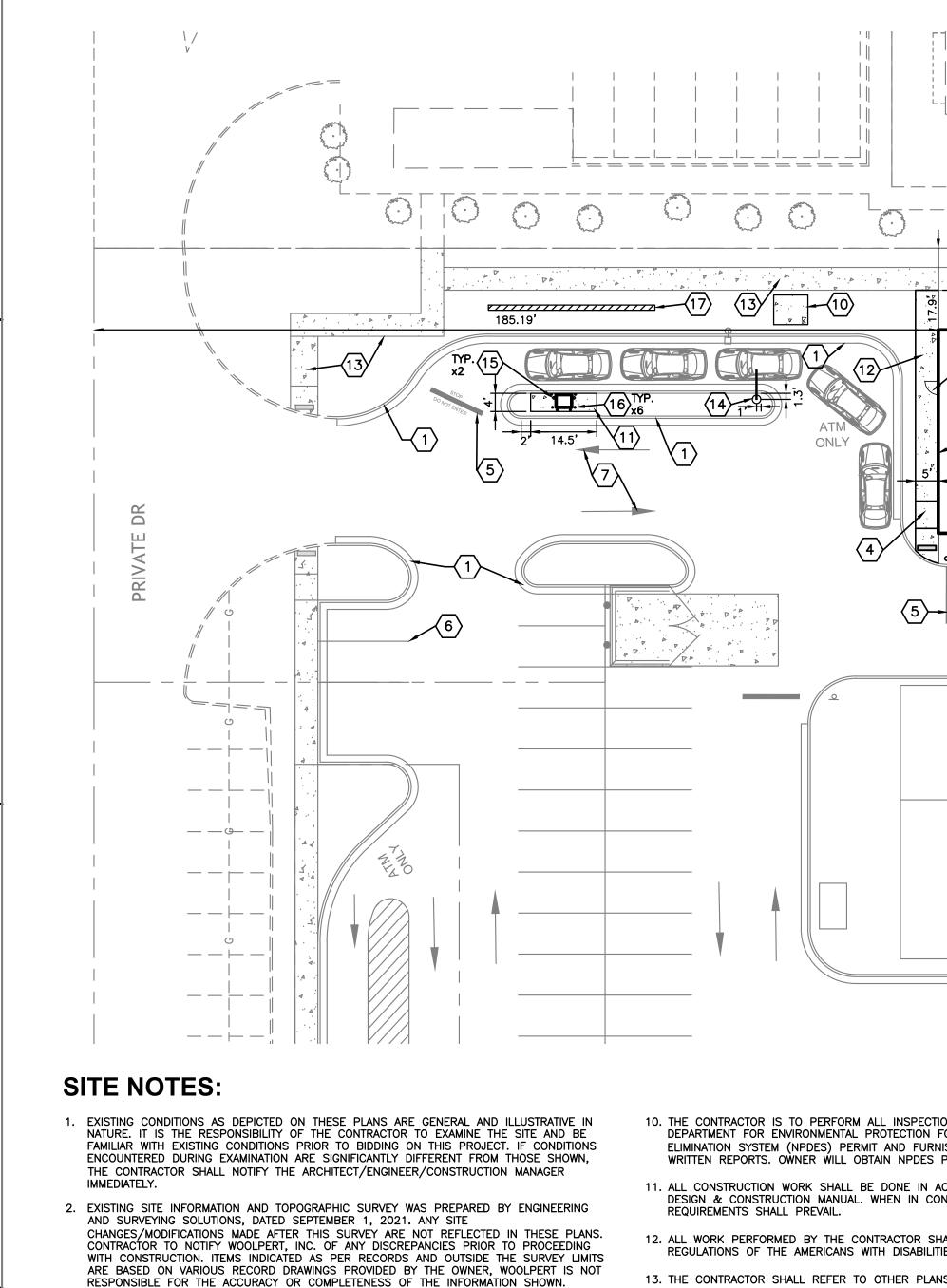
GROUND UP BUILDING: TENANT OCCUPANCY: CONSTRUCTION TYPE: CLASSIFICATION OF WORK: SQUARE FOOTAGE: FIRE SPRINKLERS: FIRE ALARM: EMERGENCY LIGHTING: EXITS PROVIDED: MAX. ALLOWED COMMON PATH OF TRAVEL: ACTUAL COMMON PATH OF TRAVEL: MAX. ALLOWED EXIT ACCESS TRAVEL DISTANCE: ACTUAL EXIT ACCESS TRAVEL DISTANCE:

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

PLUMBING FIXTURE COUNT

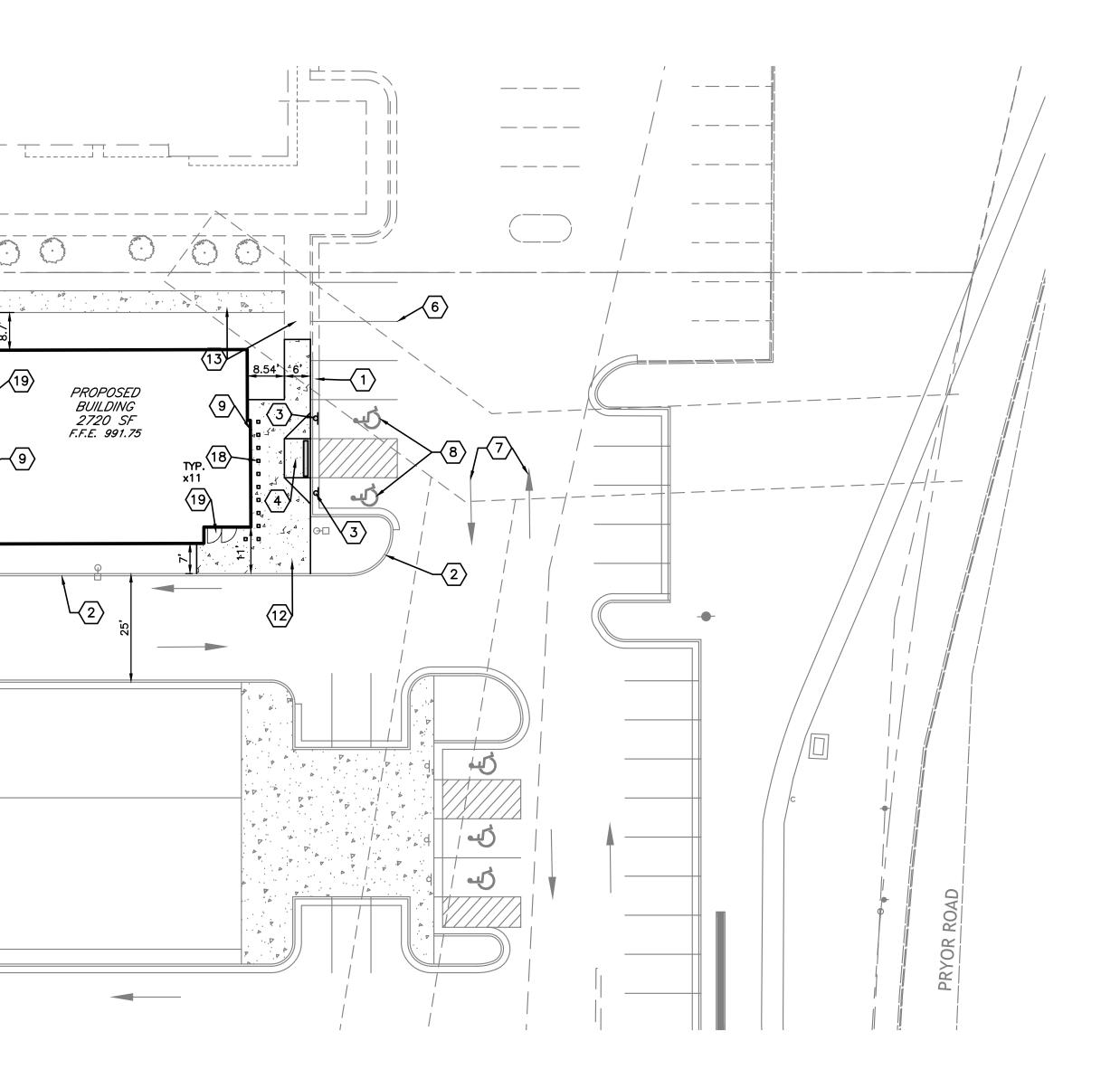
OCCUPANCY	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINKS
BUSINESS 25 OCCUPANTS	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80	1 PER 100	1
REQUIRED	2 REQUIRED	2 REQUIRED	1 REQUIRED	1 REQUIRED
TOTAL PROVIDED	2 PROVIDED	2 PROVIDED	1 PROVIDED (HI-LO UNIT)	1 PROVIDED
3	·		4	





- 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. INFÓRM 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 811, 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
- 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.

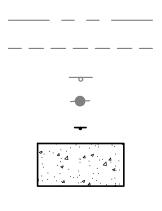


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21. CONCRETE WALKS SHALL BE 4" THICK OVER 4" COMPACTED GRAVEL WITH CONTROL JOINTS EQUALLY SPACED AT NO MORE THAN 5' ON CENTER, EXPANSION JOINTS AT NO MORE THAN 50' ON CENTER. ALL SIDEWALKS ARE TO BE BROOM FINISHED.



LEGEND



EXISTING PROPERTY BOUNDARY EXISTING EASEMENT EXISTING SIGN EXISTING POWER POLE PROPOSED SIGN

PROPOSED CONCRETE SIDEWALK



PROJECT TITLE:

PNC MO LEE'S SUMMIT GROUND UP BRANCH

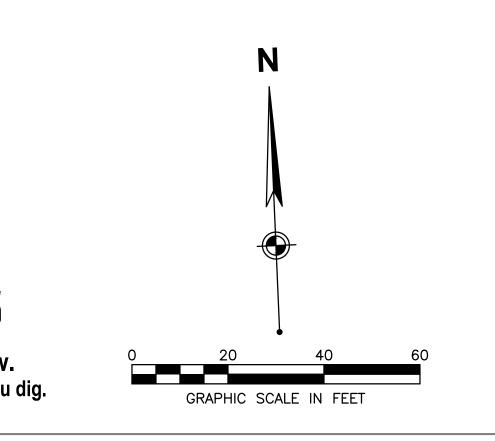
PROJECT ADDRESS: WEST PRYOR DEVELOPMENT, LOT

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

64081

X 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



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minin REVISIONS NO. DESCRIPTION DATE DATE ISSUED: 02/15/2022 REVIEWED BY: MTF DRAWN BY: TAB DESIGNED BY: TAB PROJECT NUMBER:

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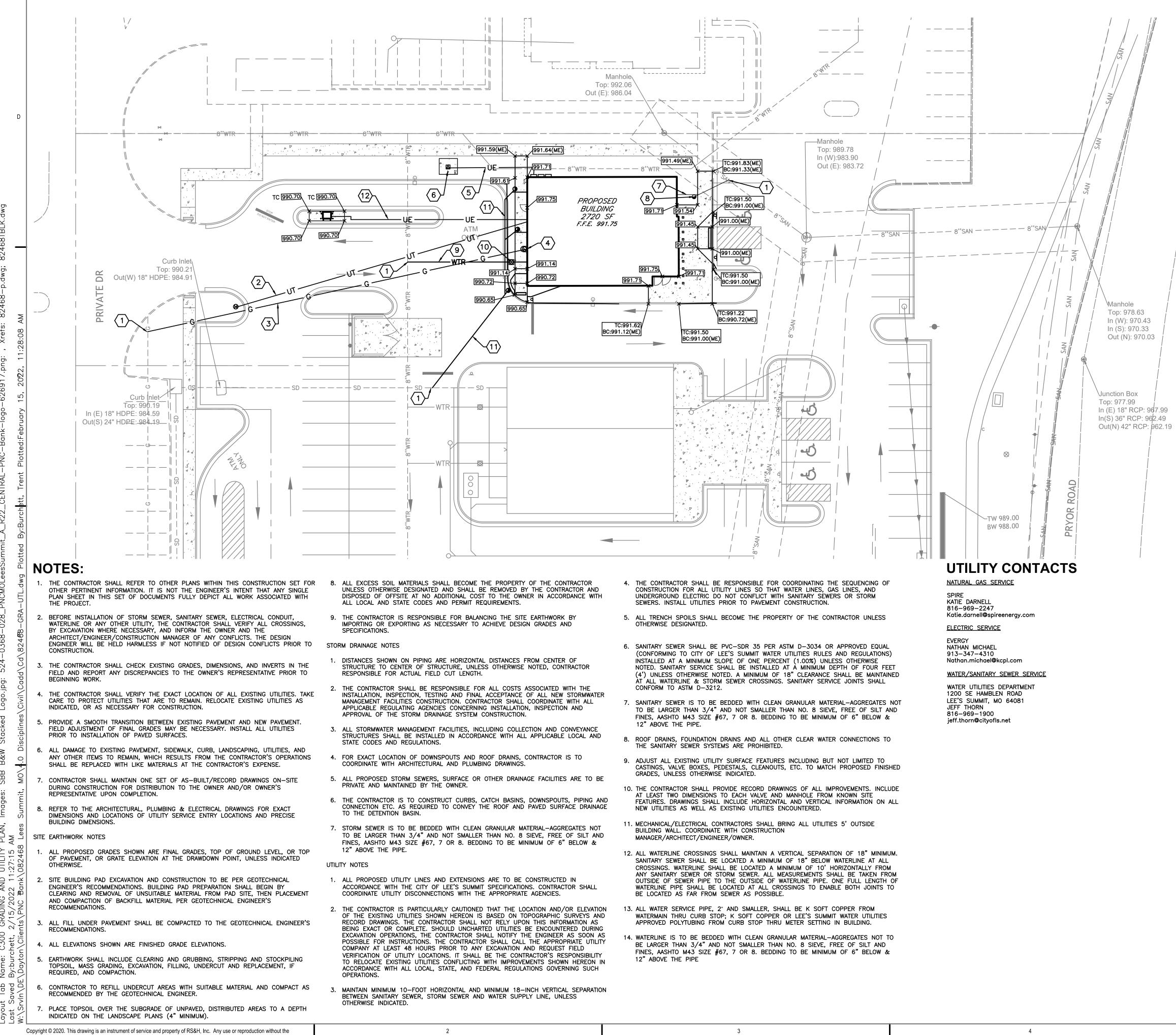
SITE PLAN

SHEET ID:

C200

PROJECT STATUS: PERMIT

DOCUMENTS



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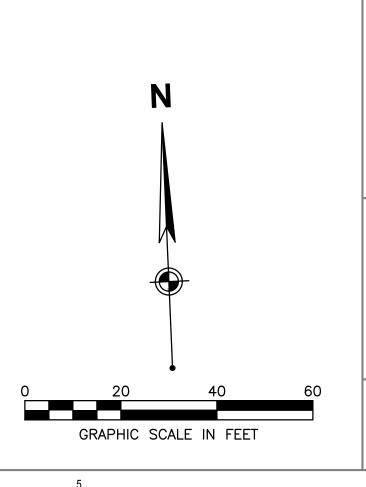
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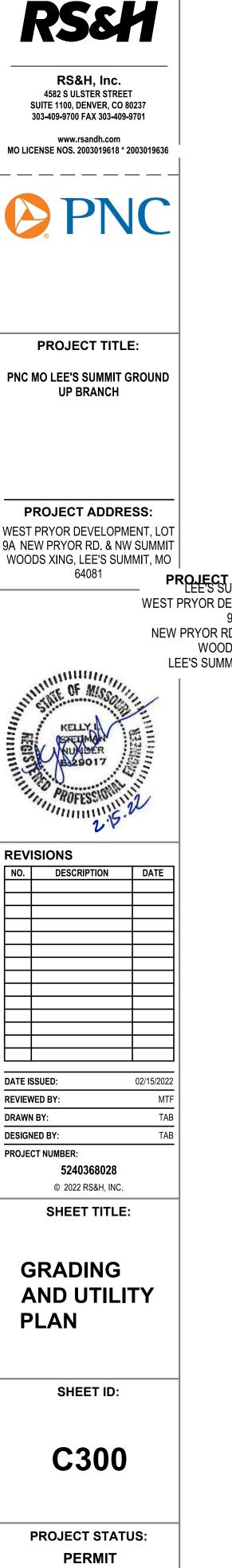
EXISTING 1' CONTOUR
EXISTING 5' CONTOUR
PROPOSED 1' CONTOUR
PROPOSED 5' CONTOUR
SPOT ELEVATION
MATCH EXISTING GRADE
EXISTING PROPERTY BOUNDARY
EXISTING EASEMENT
EXISTING STORM
EXISTING UNDERGROUND ELECTRIC
EXISTING OVERHEAD ELECTRIC
EXISTING UNDERGROUND TELEPHONE
EXISTING WATER
EXISTING GAS
EXISTING CATCH BASIN/CURB INLET
EXISTING SIGN
EXISTING POWER POLE
PROPOSED PARKING SPACE BY OTHERS
PROPOSED SIGN
PROPOSED SANITARY BY OTHERS
PROPOSED STORM BY OTHERS
PROPOSED WATER
PROPOSED UNDERGROUND ELECTRIC
PROPOSED ELECTRIC TRANSFORMER
PROPOSED UNDERGROUND TELEPHONE
PROPOSED HANDHOLE
PROPOSED EASEMENT BY OTHERS
PROPOSED CURB INLET
PROPOSED SANITARY MANHOLE BY OTHER
PROPOSED SANITARY CLEANOUT
PROPOSED WATER METER
PROPOSED FIRE HYDRANT BY OTHERS
PROPOSED GAS METER

KEYNOTES

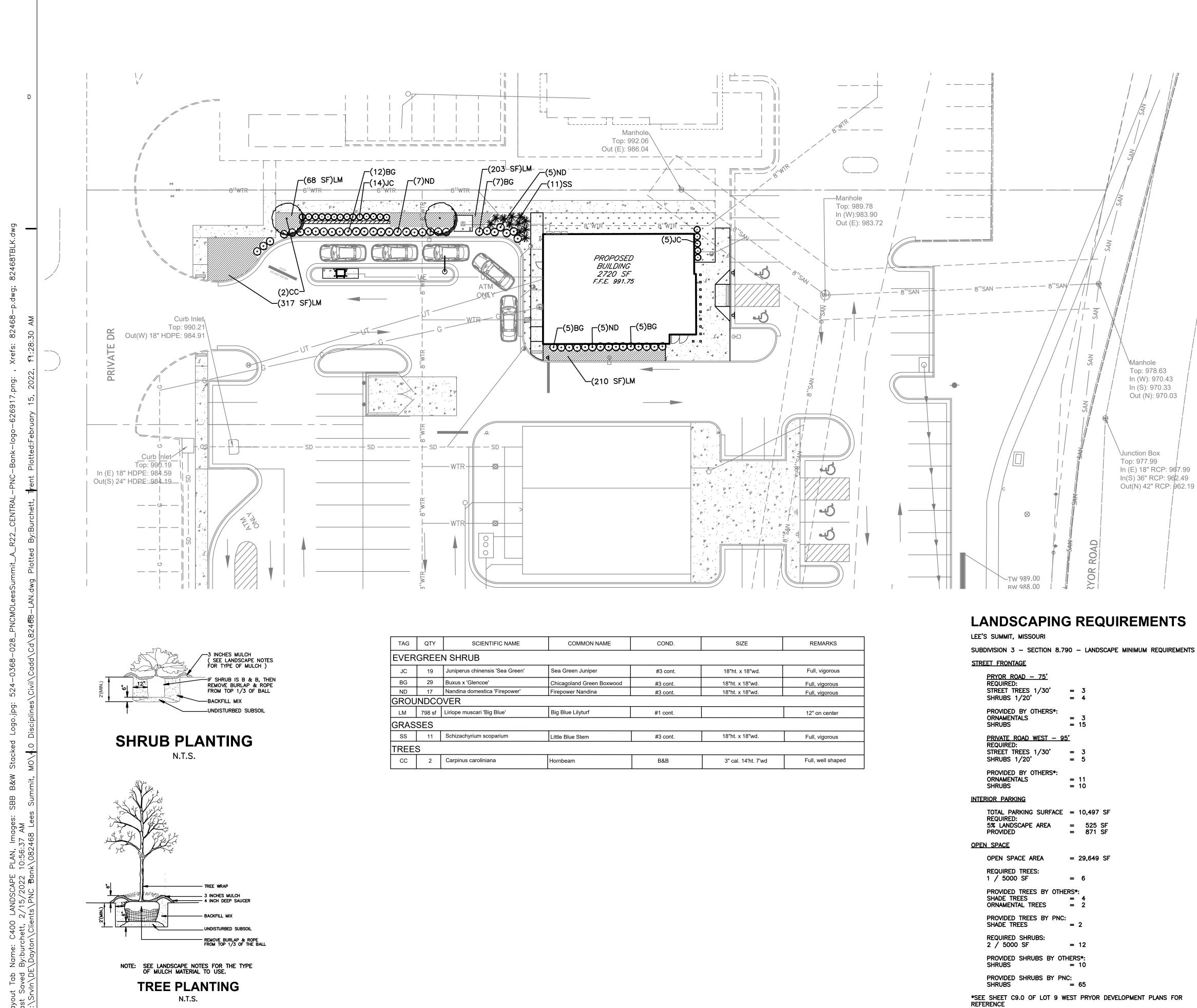
1. CONNECT TO EXISTING UTILITY PER AGENCY REQUIREMENTS

- 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





DOCUMENTS



AME	COND.	SIZE	REMARKS
	#3 cont.	18"ht. x 18"wd.	Full, vigorous
Boxwood	#3 cont.	18"ht. x 18"wd.	Full, vigorous
	#3 cont.	18"ht. x 18"wd.	Full, vigorous
	#1 cont.		12" on center
	#3 cont.	18"ht. x 18"wd.	Full, vigorous
	•	3	

<u>STRE</u>	ET FRONTAGE			
	<u>PRYOR ROAD – 75'</u> REQUIRED: STREET TREES 1/30' SHRUBS 1/20'	=	3 4	
	PROVIDED BY OTHERS*: ORNAMENTALS SHRUBS	=	3 15	
	<u>PRIVATE ROAD WEST - 95</u> REQUIRED: STREET TREES 1/30' SHRUBS 1/20'	=	3 5	
	PROVIDED BY OTHERS*: ORNAMENTALS SHRUBS		11 10	
INTER	RIOR PARKING			
	TOTAL PARKING SURFACE REQUIRED: 5% LANDSCAPE AREA PROVIDED	_		SF
<u>OPEN</u>	SPACE			
	OPEN SPACE AREA	=	29,649	SF
	REQUIRED TREES: 1 / 5000 SF	=	6	
	PROVIDED TREES BY OTHE SHADE TREES ORNAMENTAL TREES	=		
	PROVIDED TREES BY PNC: SHADE TREES	=	2	
	REQUIRED SHRUBS: 2 / 5000 SF	=	12	
	PROVIDED SHRUBS BY OTH SHRUBS		S*: 10	
	PROVIDED SHRUBS BY PNO SHRUBS		65	
*SEE	SHEET C9.0 OF LOT 9 W	EST	PRYOR	DEVELOPMEN

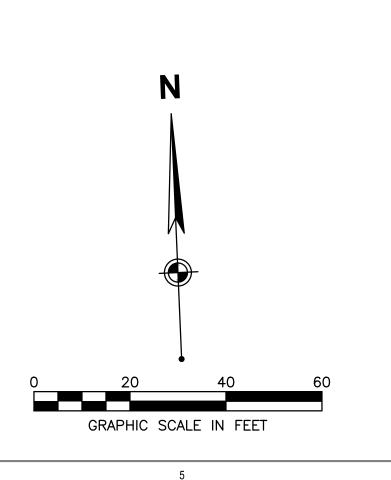
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LANDSCAPE NOTES

- 1. EXISTING SITE INFORMATION/TOPOGRAPHIC SURVEY WAS PREPARED BY ENGINEERING AND SURVEYING SOLUTIONS, DATED SEPTEMBER 1, 2021.
- 2. 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 3. 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 5. TO INSTALL TREE PROTECTION FENCING PRIOR TO ANY SITE WORK.
- ALL SHRUB AND GROUNDCOVER BEDS TO BE MULCHED WITH A MINIMUM OF 3 6. INCHES OF CLEAN SHREDDED HARDWOOD MULCH.
- PLANTING HOLES TO BE DUG A MINIMUM OF TWICE THE WIDTH AND 6-12 7. 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.
- 10. 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.
- 11. ALL CHANGES TO DESIGN AND/OR PLANT SUBSTITUTIONS TO BE AUTHORIZED BY LANDSCAPE ARCHITECT.
- 12. ALL PARKING ISLANDS AND AREAS BEHIND CURB TO BE BERMED UP 6"-10" WITH CLEAN FRIABLE TOPSOIL PRIOR TO PLANTING.
- 13. 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.
- 14. 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.
- 15. 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.
- 16. WATER THOROUGHLY TWICE IN THE FIRST 24 HOURS AND APPLY MULCH IMMEDIATELY.
- 17. SCREENING AND LANDSCAPING SHALL BE PROVIDED AS REQUIRED BY ARTICLE 18 OF THE ZONING ORDINANCE.
- 18. ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO THE PLANTING

SPECIFICATIONS OF THE LFUCG PLANTING MANUAL.

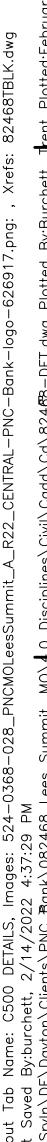
19. SITE TO BE 100% IRRIGATED BY AN AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM. IRRIGATION LAYOUT PROVIDED BY DESIGN-BUILD CONTRACTOR.



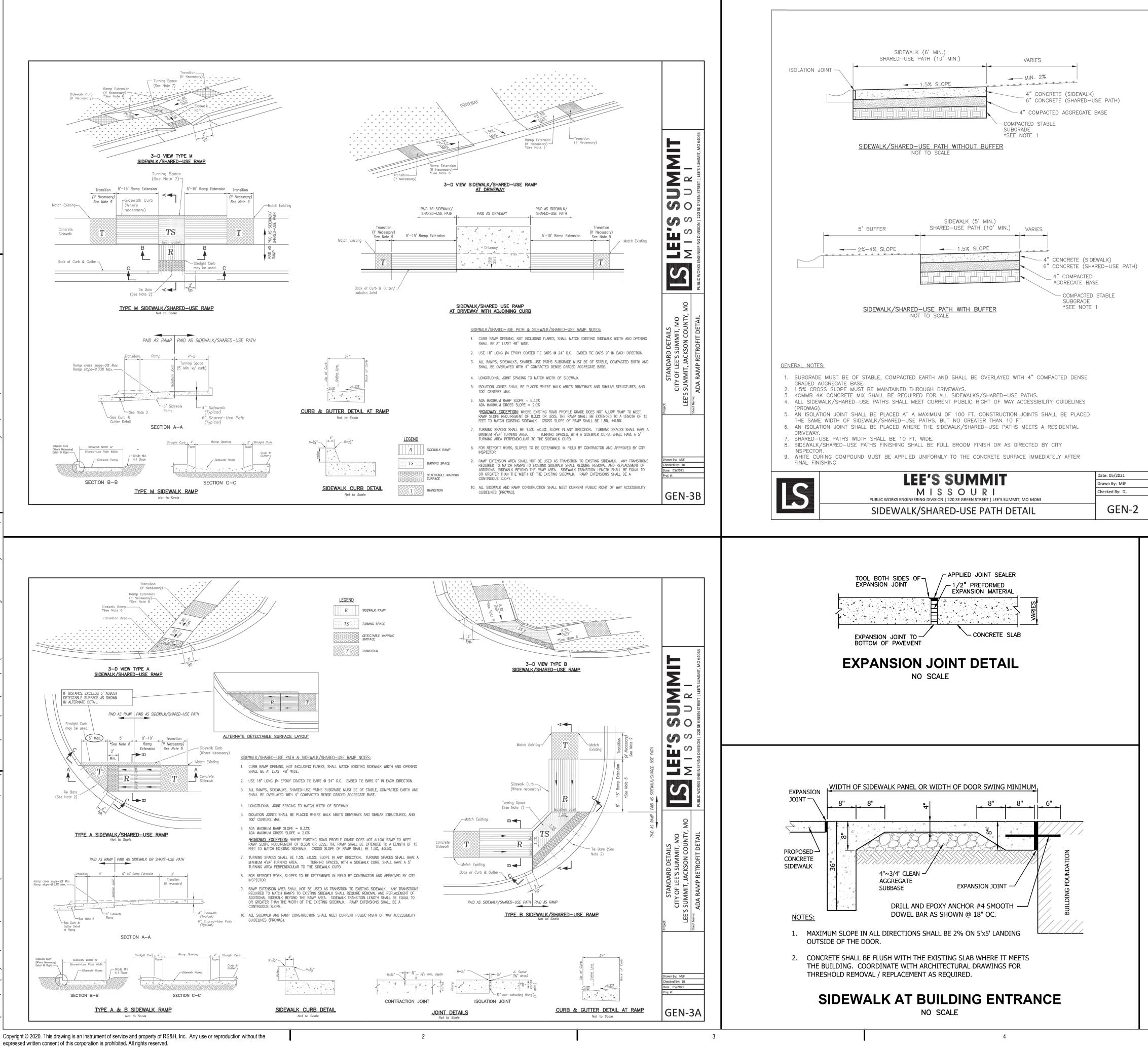
RS&H RS&H, Inc. 4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237 303-409-9700 FAX 303-409-9701 www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636 **PROJECT TITLE:** PNC MO LEE'S SUMMIT GROUND UP BRANCH **PROJECT ADDRESS:** WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS XING, LEE'S SUMMIT, MO 64081 PROJECT WEST PRYOR DE NEW PRYOR RE WOOD LEE'S SUMM anutitity & OF MISS KELLY 29017 PROFESSIVE V REVISIONS NO. DESCRIPTION DATE DATE ISSUED: 02/15/2022 **REVIEWED BY:** MTF DRAWN BY: TAB DESIGNED BY: TAB PROJECT NUMBER: 5240368028 © 2022 RS&H, INC. SHEET TITLE: LANDSCAPE PLAN SHEET ID: **C400 PROJECT STATUS:**

PERMIT

DOCUMENTS

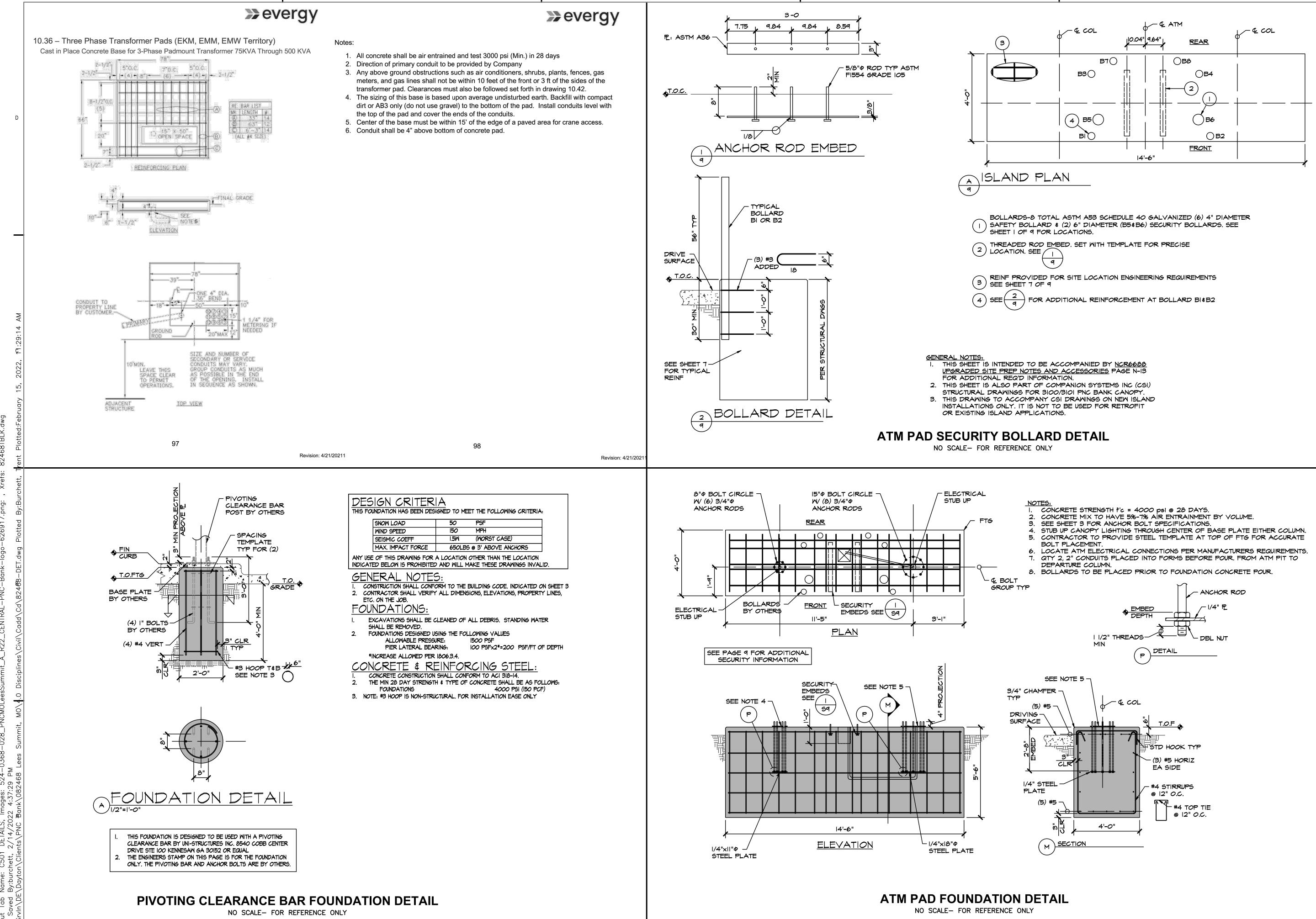






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	RS&H, Inc. KS&H, Inc. A582 S ULSTER STREET SUITE 1100, DENVER, CO 80237 303-409-9700 FAX 303-409-9701 www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636	
	PROJECT TITLE: PNC MO LEE'S SUMMIT GROUND UP BRANCH	
	PROJECT ADDRESS: WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS XING, LEE'S SUMMIT, MO 64081 PROJEC LEE'S WEST PRYOR I	
	NEW PRYOR WOO LEE'S SUM	OD
ACCESSIBLE PARKING SIGNAGE	REVISIONS NO. DESCRIPTION DATE	
REQUIRED BY LOCAL OR STATE LAW PERFORATED METAL HAT CHANNEL POST TYP. 4" YELLOW BOLLARD COVER MANUFACTURED BY <u>IDEAL SHIELD</u> . FIELD DRILL OPENING OF CHANNEL POST DIAMETER. (SEE NOTE 1 & 2)	Image: Constraint of the second se	
4" PRIMED PIPE BOLLARD, STRIKE CONCRETE FLUSH WITH TOP OF PIPE. (SEE NOTE 1) TOP OF CURB OR PAVEMENT	DESIGNED BY: TAB PROJECT NUMBER: 5240368028 © 2022 RS&H, INC. SHEET TITLE:	
NOTES:	DETAILS	
 BOLLARD NOT REQUIRED IF ACCESSIBLE SIGNAGE IS LOCATED IN GRASS AND OVER THREE (3) FEET BEYOND THE BACK OF CURB. BOLLARD SHALL BE IDEAL SHIELD 1/8" STANDARD BOLLARD COVER, 1.90" OUTSIDE DIAMETER, 1/8" NOMINAL WALL THICKNESS, COLOR OSHA YELLOW WITH RED REFLECTIVE STRIPES, DOME TOP PLASTIC CAP. 		
 CONTRACTOR SHALL COORDINATE INSTALLATION OF BOLLARD COVER PRIOR TO SIGNAGE INSTALLATION. FOR NON-VAN ACCESSIBLE PARKING SIGNAGE, ALIGN TOP OF THE SIGN WITH VAN ACCESSIBLE PARKING. 	C500	
ACCESSIBLE SIGNAGE NO SCALE	PROJECT STATUS: PERMIT DOCUMENTS	
v		



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PN	C	
PROJECT TITLE PNC MO LEE'S SUMMIT GI UP BRANCH		
PROJECT ADDRES WEST PRYOR DEVELOPME 9A NEW PRYOR RD. & NW WOODS XING, LEE'S SUMI 64081	NT, LOT SUMMIT MIT, MO _ PF WEST F	PRYOR DE
RELLY AND RELLY	LE	Pryor Ri Wood E's Summ
REVISIONS NO. DESCRIPTION		
DATE ISSUED: REVIEWED BY: DRAWN BY: DESIGNED BY: PROJECT NUMBER: 5240368028 © 2022 RS&H, INC. SHEET TITLE:	02/15/2022 MTF TAB TAB	
DETAILS SHEET ID:		
C501		
PROJECT STATU PERMIT DOCUMENTS		

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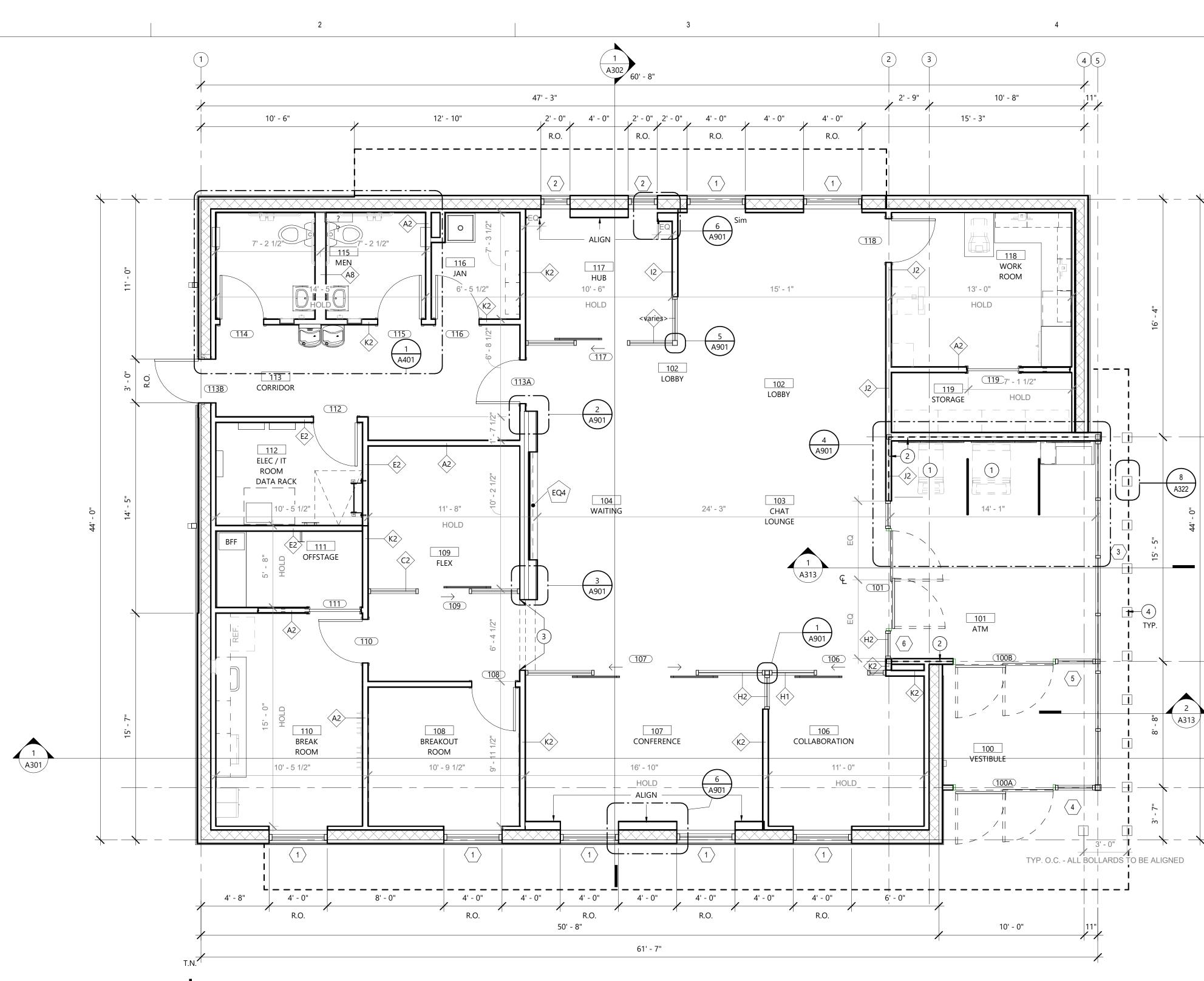
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GENERAL NOTES

SEE PARTITION TYPES FOR ADDITIONAL INFORMATION. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD WALL, U.N.O.

1

- 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 4 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.
- 7. 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 9. INSTALLED FOUR (4) INCHES FROM PARTITION UNLESS NOTED SPECIFICALLY ON PLANS.
- 10. USE GYPSUM WALLBOARD ACCESSORIES AS SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS. SUBSTITUTIONS MUST HAVE APPROVAL OF THE ARCHITECT PRIOR TO INSTALLATION.

- 11. LOCATIONS WHERE SCHEDULED PARTITION TO TOP TRACK ATTACHES TO CEILING GRID. SHIM WITH ATTACHMENTS AT 48" MINIMUM INTERVALS. 12. ALL NEW WALLS OVER 12'-0" IN LENGTH BETWEEN INTERSECTING PARTITIONS SHALL
- BE BRACED TO STRUCTURE TO RESIST LATERAL LOADING. 13. 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. 14. 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.
- 15. ALL INSULATION IN WALLS TO BE 25 FLAME SPREAD - 450 SMOKE DEVELOPED. 16. 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.
- 17. MITER ALL CORNERS WHERE APPLICABLE.

A101 1/4" = 1'-0"

18. ALL VISIBLE BLOCKING BELOW COUNTERS IS TO BE PAINTED TO MATCH WALL BEHIND.

2

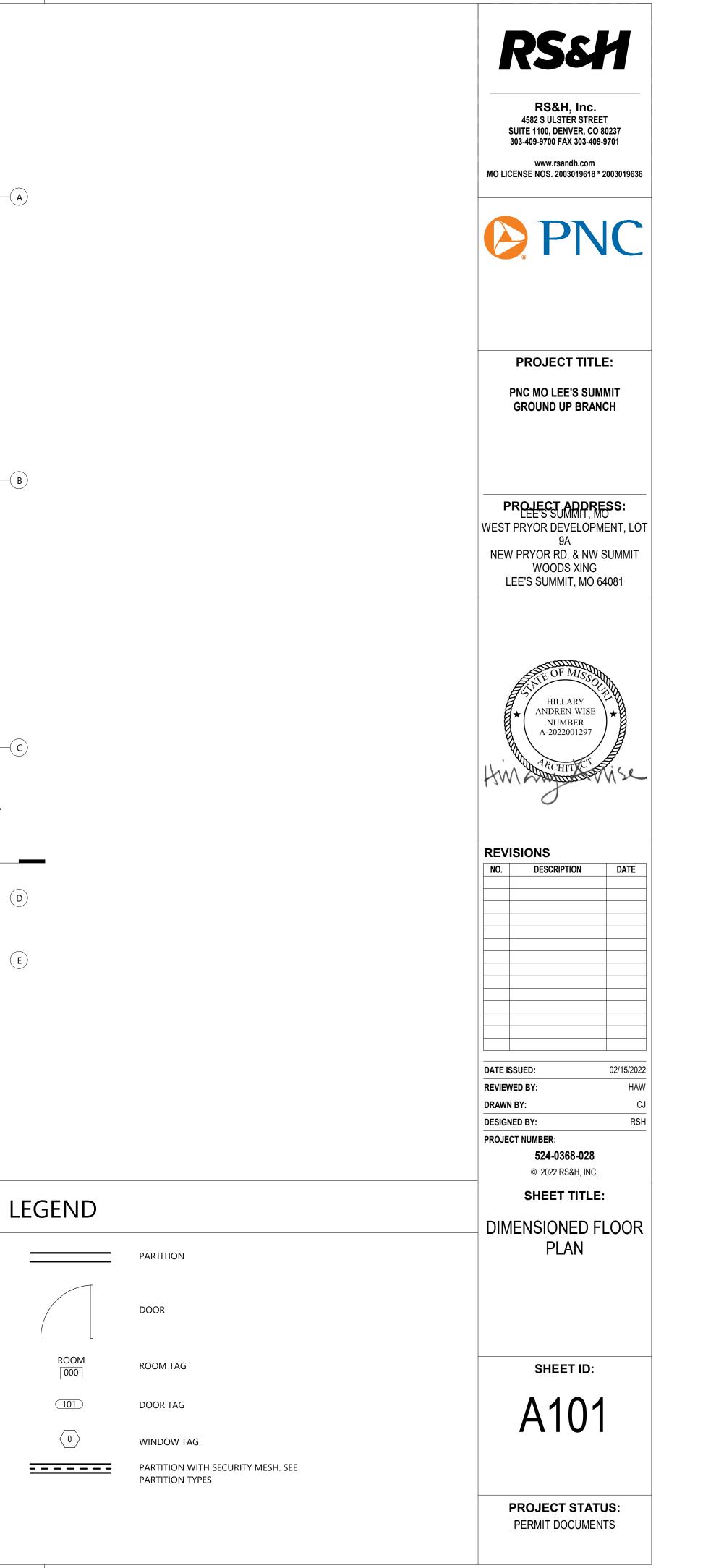
DIMENSIONED FLOOR PLAN

FLOOR PLAN KEYED NOTES

(1) COORDINATE EXACT DIMENSIONS OF ATMS WITH OWNER'S VENDOR.

3

- 2 DASHED LINE TO REPRESENT EXTENT OF SECURITY MESH APPLICATION. SEE PARTITION TYPES.
- 3 ALIGN FINISH FACE OF WALLS
- (4) LIGHTED SECURITY BOLLARD @ 36" O.C.. COORDINATE WITH CIVIL DRAWINGS.



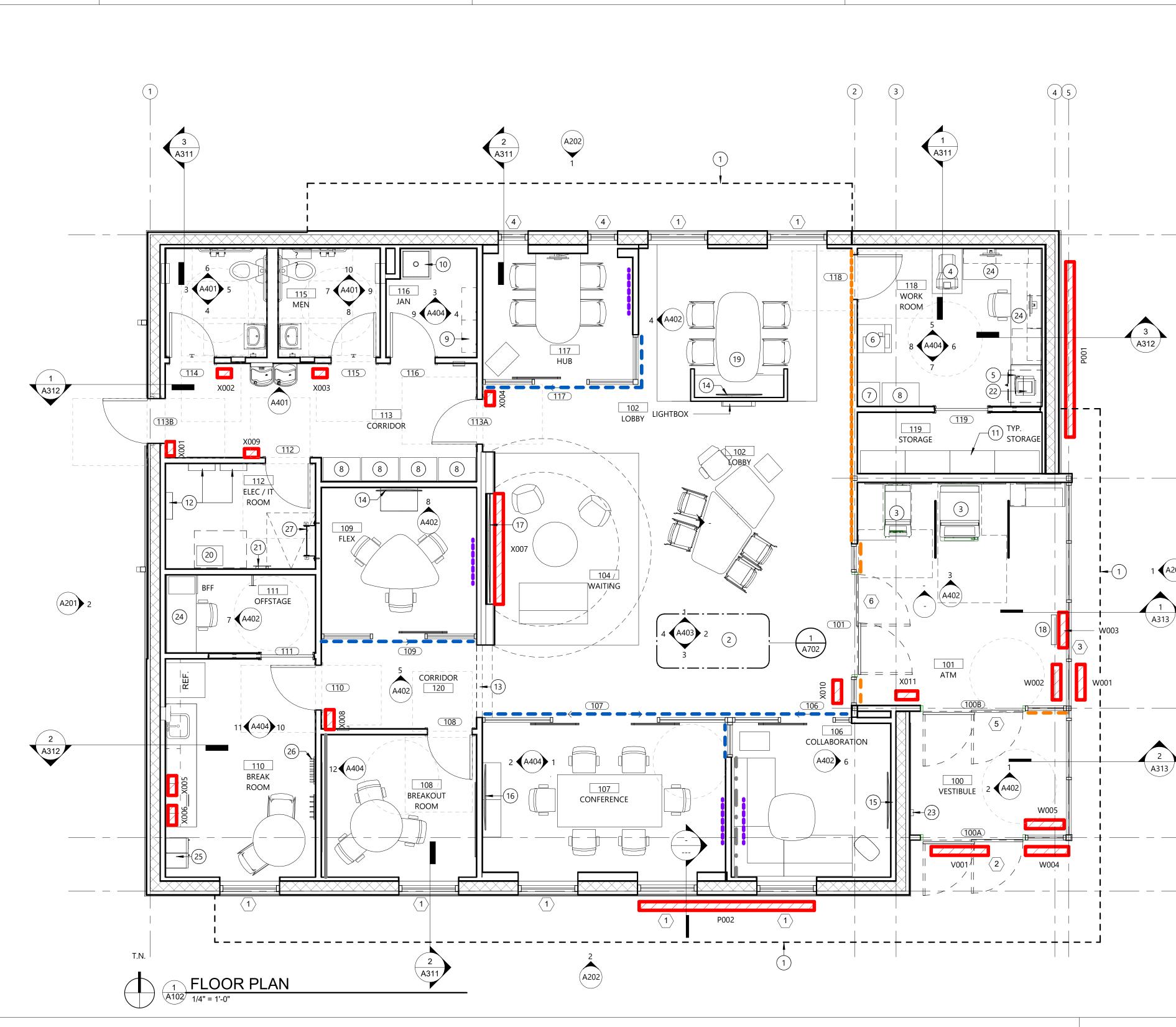
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—(B)

-(D)

A322

5



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

(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. INFORMATION.

1

- (11) FREESTANDING HEAVY DUTY SHELVING PROVIDED BY PNC.
- (12) ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFROMATION.

2

- (13) SOFFIT / BULKHEAD ABOVE
- 43" MONITOR. REFER TO INTERIOR ELEVATION FOR MOUNTING HEIGHT. SEE: 10/A901 FOR RECESSED MOUNTING DETAILS 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.

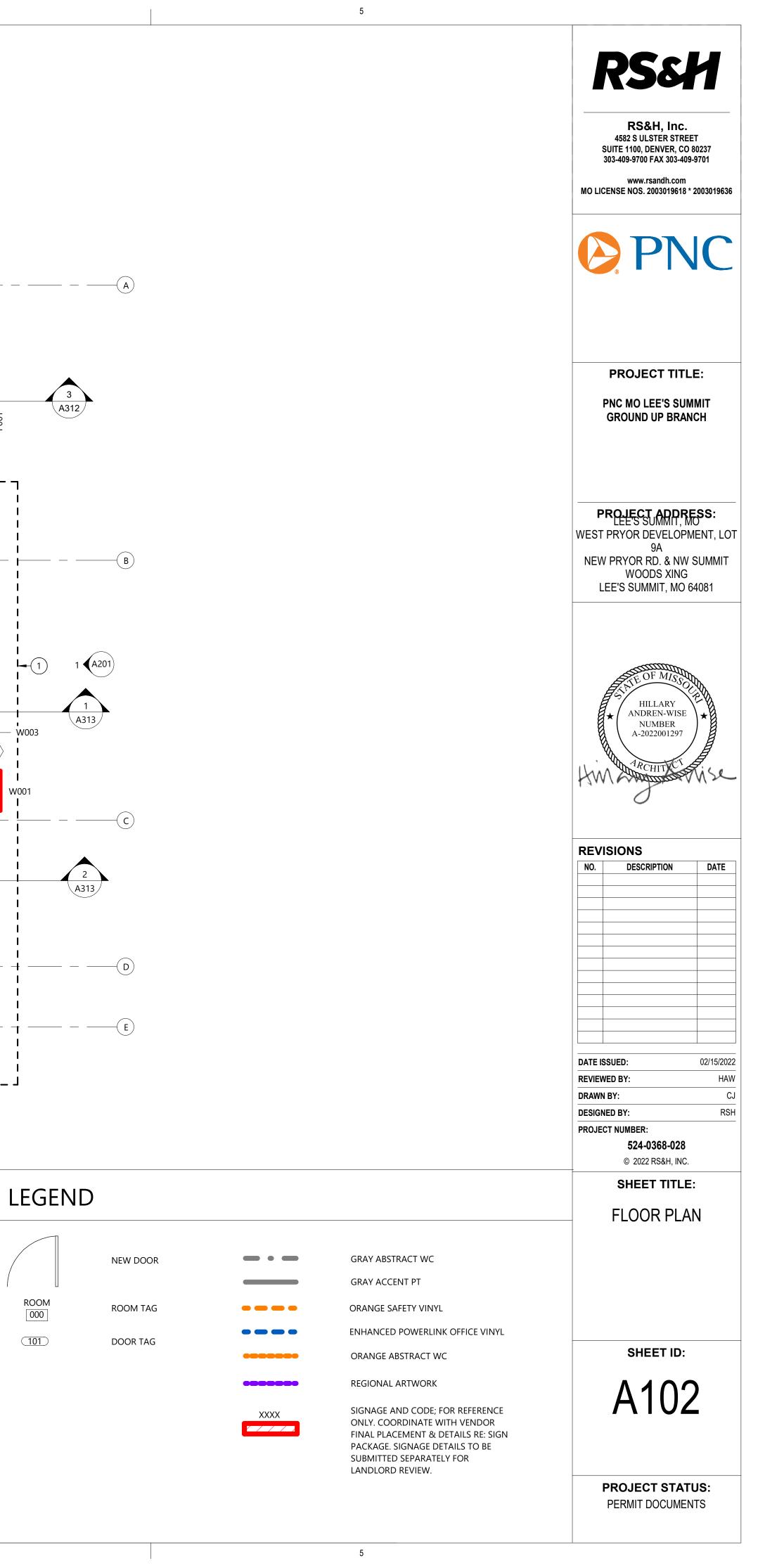
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- (21) GROUND BAR FOR DATA RACK & TELEPHONE BOARD. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- (22) MICRO PRINTER ON COUNTER TOP TO BE PROVIDED BY PNC.
- (23) KEYSAFE LOCKBOX INSTALLED ON FACE OF WALL. PROVIDE WOOD BLOCKING AS REQUIRED. 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.

3

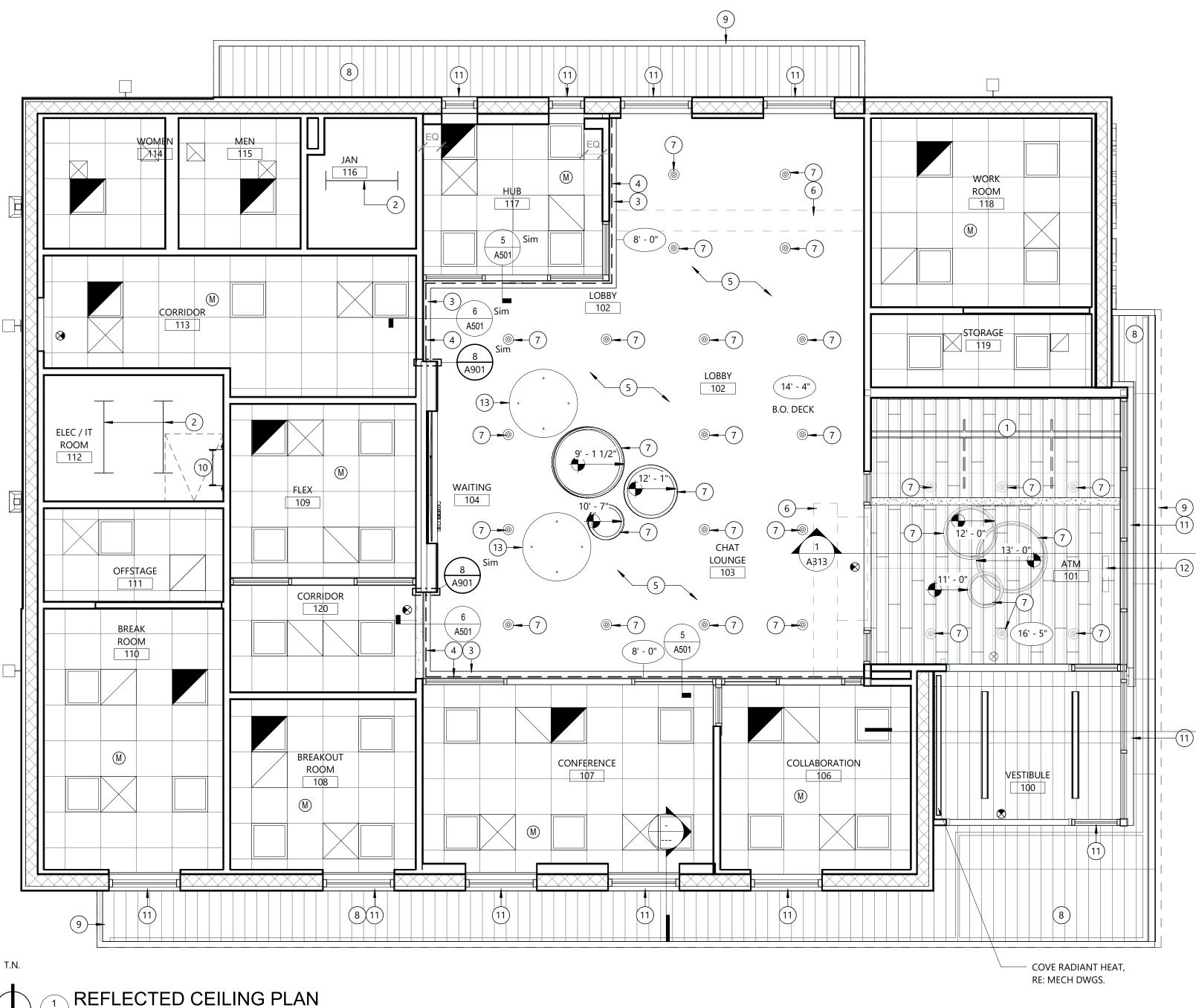
- 25 LOCKERS
- 26 COAT RACKS
- (27) LADDER AND ROOF HATCH



ROOM

000

(101)



REFLECTED CEILING PLAN NOTES

1

- 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.
- A 5. 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.
- 10. SOUND ATTENUATION INSULATION USED ABOVE THE FINISHED CEILING SHALL BE 24" X 48", 3" UN-FACED MINERAL FIBER DESIGNED TO ABSORB 11. 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. 12.
- ALL 2x2 LIGHT FIXTURES SHALL REST ON TWO (2) MAIN "T"s OR CONTRACTOR SHALL PROVIDE SUPPORT AS NECESSARY AT FREE CORNERS OF FIXTURE. 13.

2

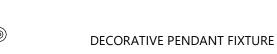
A111 1/4" = 1'-0"

REFLECTED CEILING PLAN KEYED NOTES

- FIELD VERIFY LOCATION OF FIXTURES OVER ATMs. COORDINATE WITH PNC AND VENDOR(S). 2) SUSPENDED LIGHT FIXTURE. SEE ELECTRICAL.
- (3) GYP. "EYEBROW", SEE DETAIL TBD. TO BE PAINTED PT-2, SEE FINISH LEGEND.
- DASHED LINE INDICIATES CONTINUOUS FABRITRAK ACCOUSTICAL PANELS ABOVE THE ENTIRE 4 DASHED LINE INDICIALLS COMMENTED LENGTH OF THE "EYEBROW", RE: FINISH SCHEDULE.
- ALL EXPOSED STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, ETC., SHALL BE PAINTED. SEE FINISH SCHEDULE FOR MORE INFORMATION. (6) MECHANICAL EQUIPMENT ABOVE. COORDINATE WITH MECHANICAL DRAWINGS.
- PENDANT LIGHT FIXTURE. COORDINATE WITH ELECTRICAL DRAWINGS.
- 8) NICHIHA FIBER-CEMENT PANEL SYSTEM SOFFIT AT UNDERSIDE OF CANOPY, 9'-0" AFF.
- (9) OUTLINE OF EXTERIOR CANOPY.
- (10) ROOF ACCESS LADDER AND ROOF HATCH. COORDINATE LOCATION RE: ROOF PLAN, SHEET A121.
- (11) ROLL-DOWN SECURITY SHUTTER SYSTEM. COORDINATE WITH EXTERIOR ELEVATIONS. (12) LOCATION OF LIGHTBOX ON FINISHED FLOOR.
- (13) ARMSTRONG ACCENT CLOUD CLD-1, RE: ID100

- LEGEND
- 2X2 LAY IN FIXTURE CHAIN-HUNG FIXTURE DECORATIVE PENDANT FIXTURE

Ο



DOWNLIGHT FLUSH RECESSED FIXTURE



HVAC GRILL - SUPPLY

HVAC GRILL - RETURN

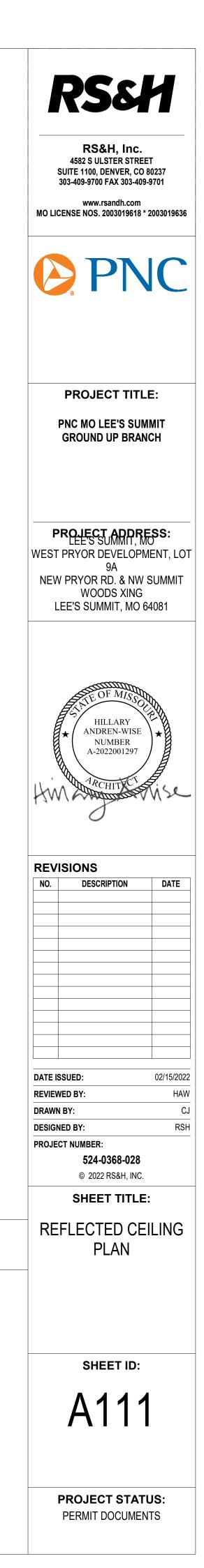


HVAC GRILL - EXHAUST



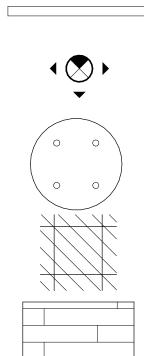
GYPSUM BOARD CEILING

3



2 \A313/

2x2 LAY-IN ACOUSTICAL CEILING



GYPSUM BOARD CEILING ABOVE 2x2 LAY-IN ACOUSTICAL CEILING SEE PARTITION TYPES

5

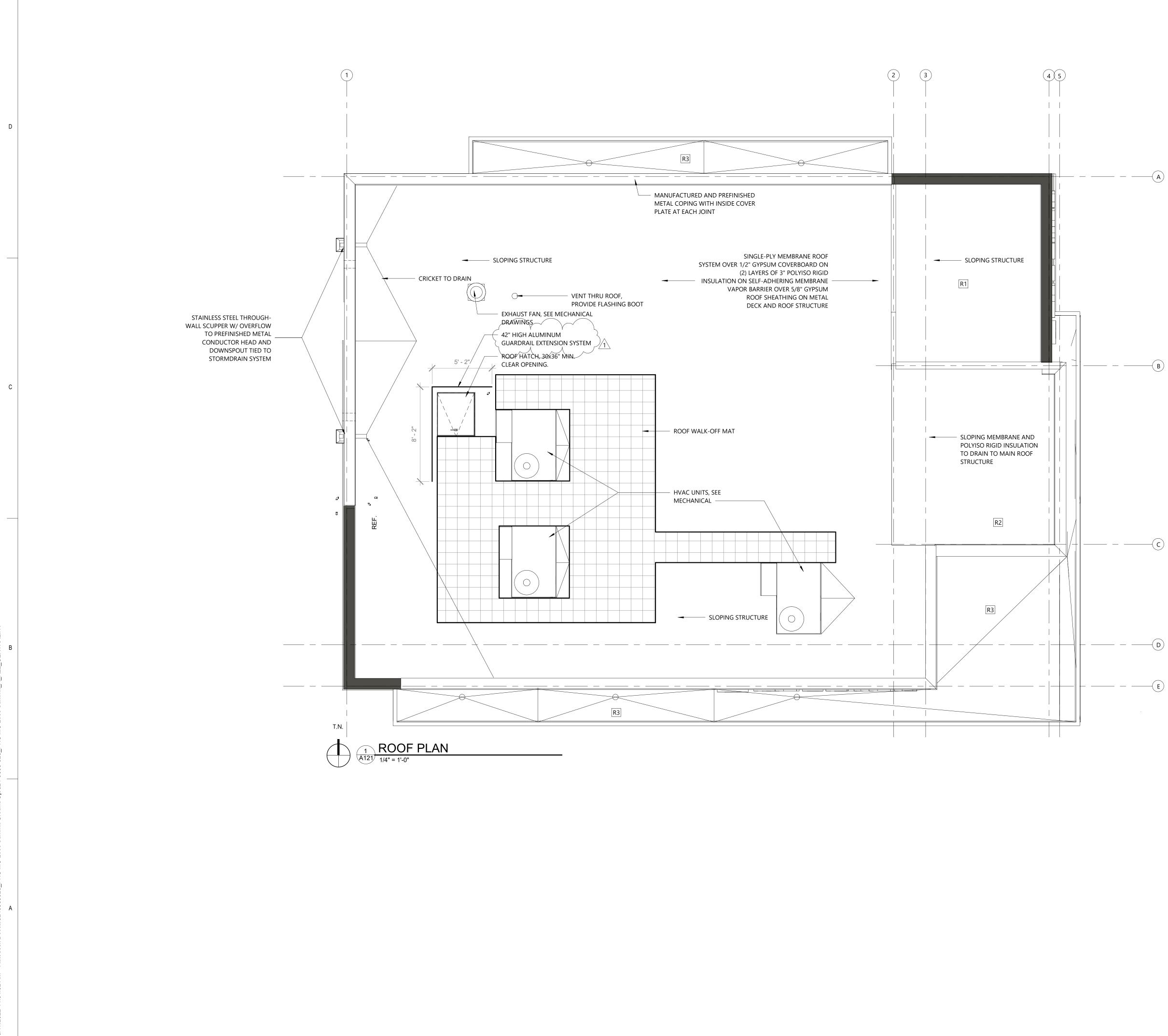
FIBER-CEMENT PANEL SYSTEM CEILING/SOFFIT, FCC-1. REFER TO FINISH LEGEND FOR DETAIL.

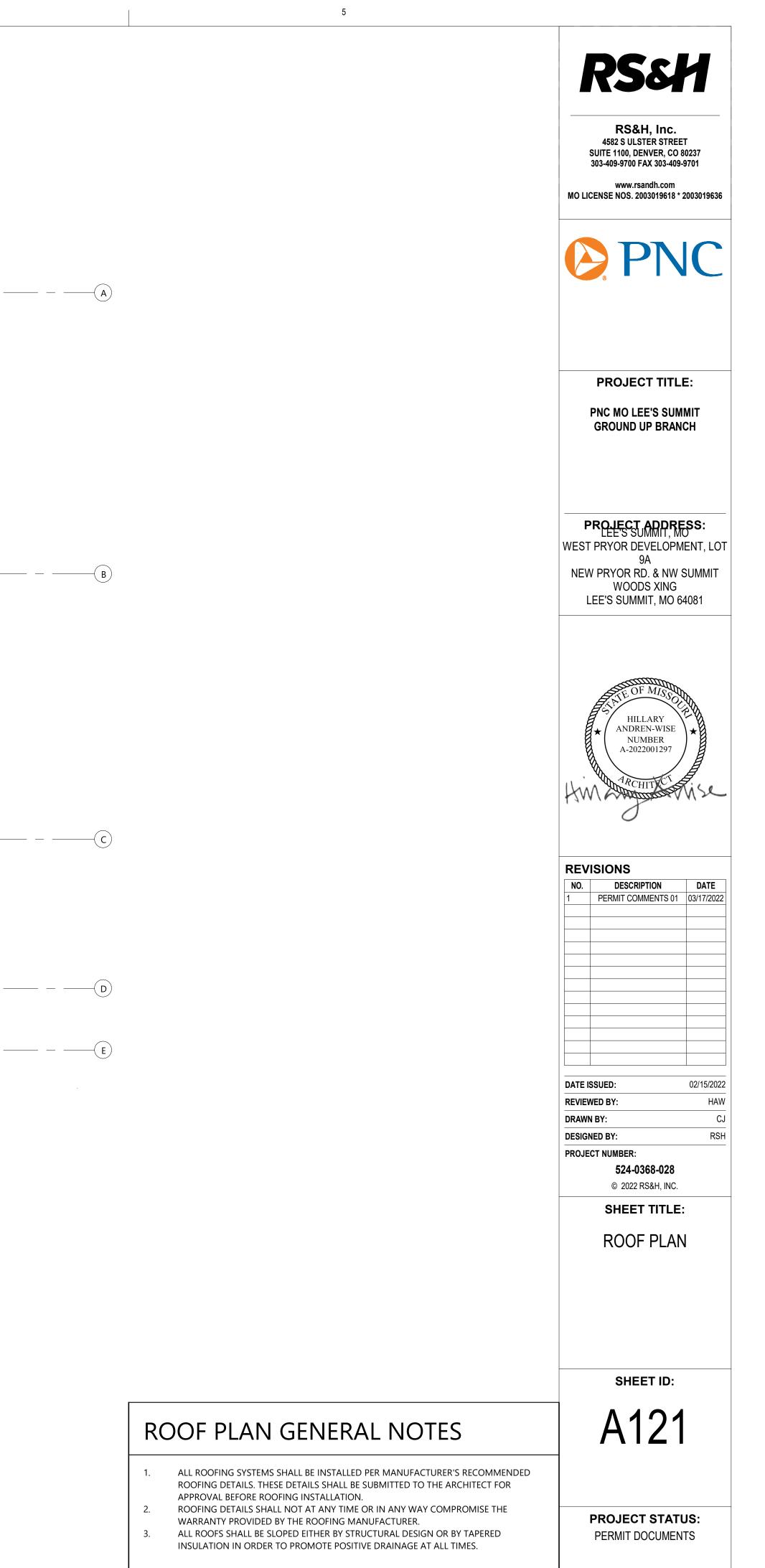
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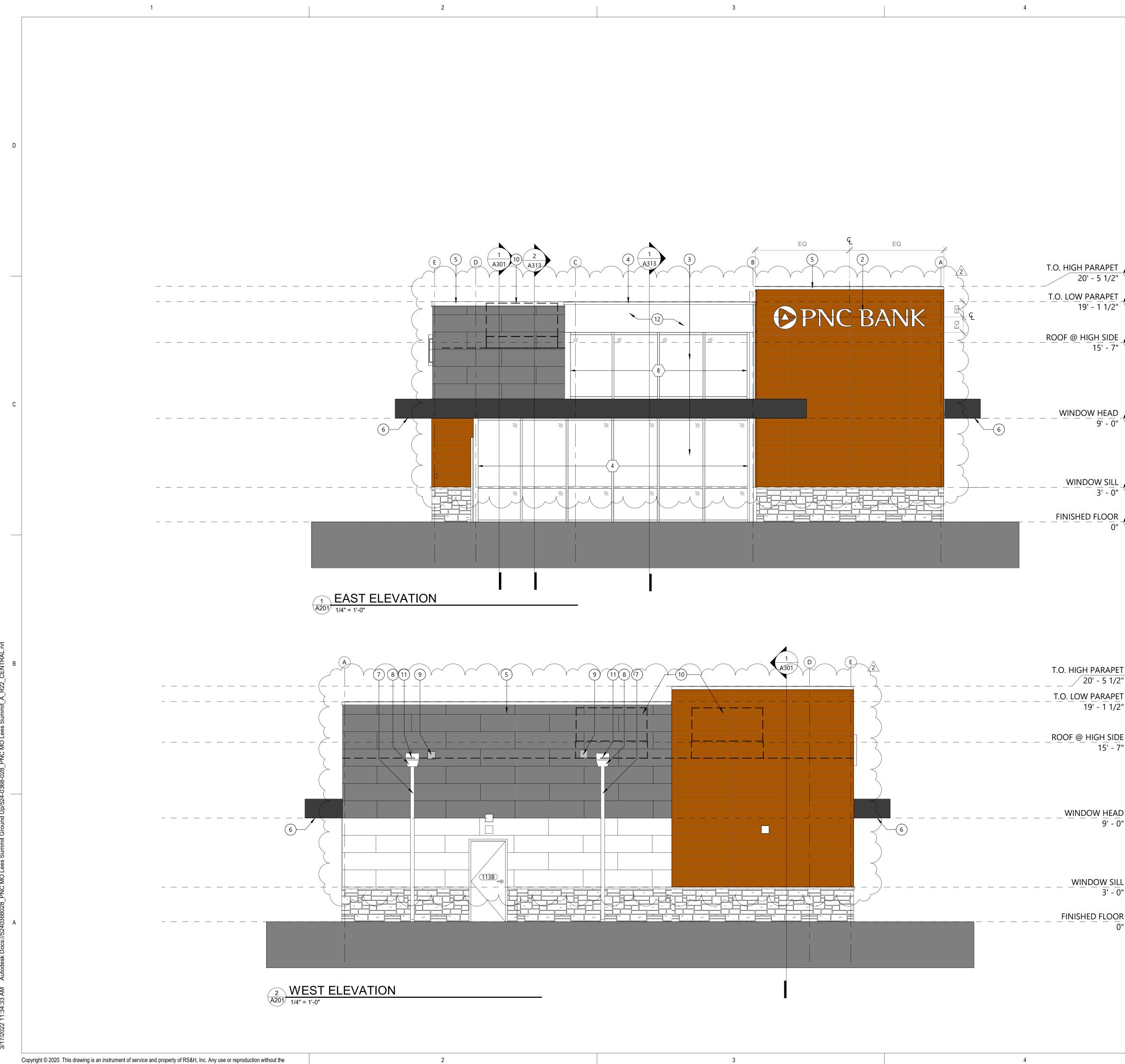
SOFFIT MOUNTED FIXTURE

EXIT LIGHT WITH DIRECTIONAL ARROWS

SUSPENDED TRANSLUCENT ACCENT CLOUD

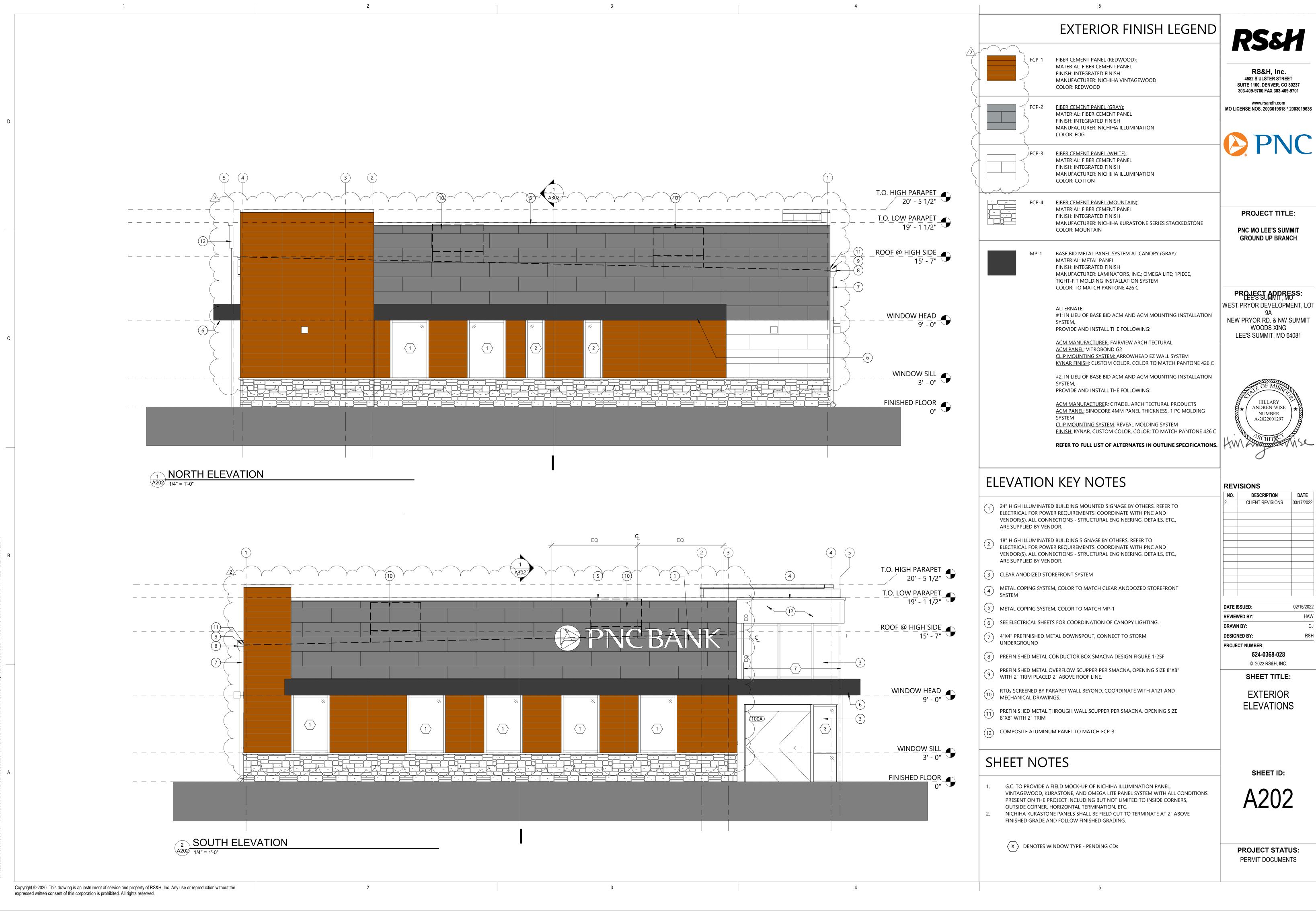


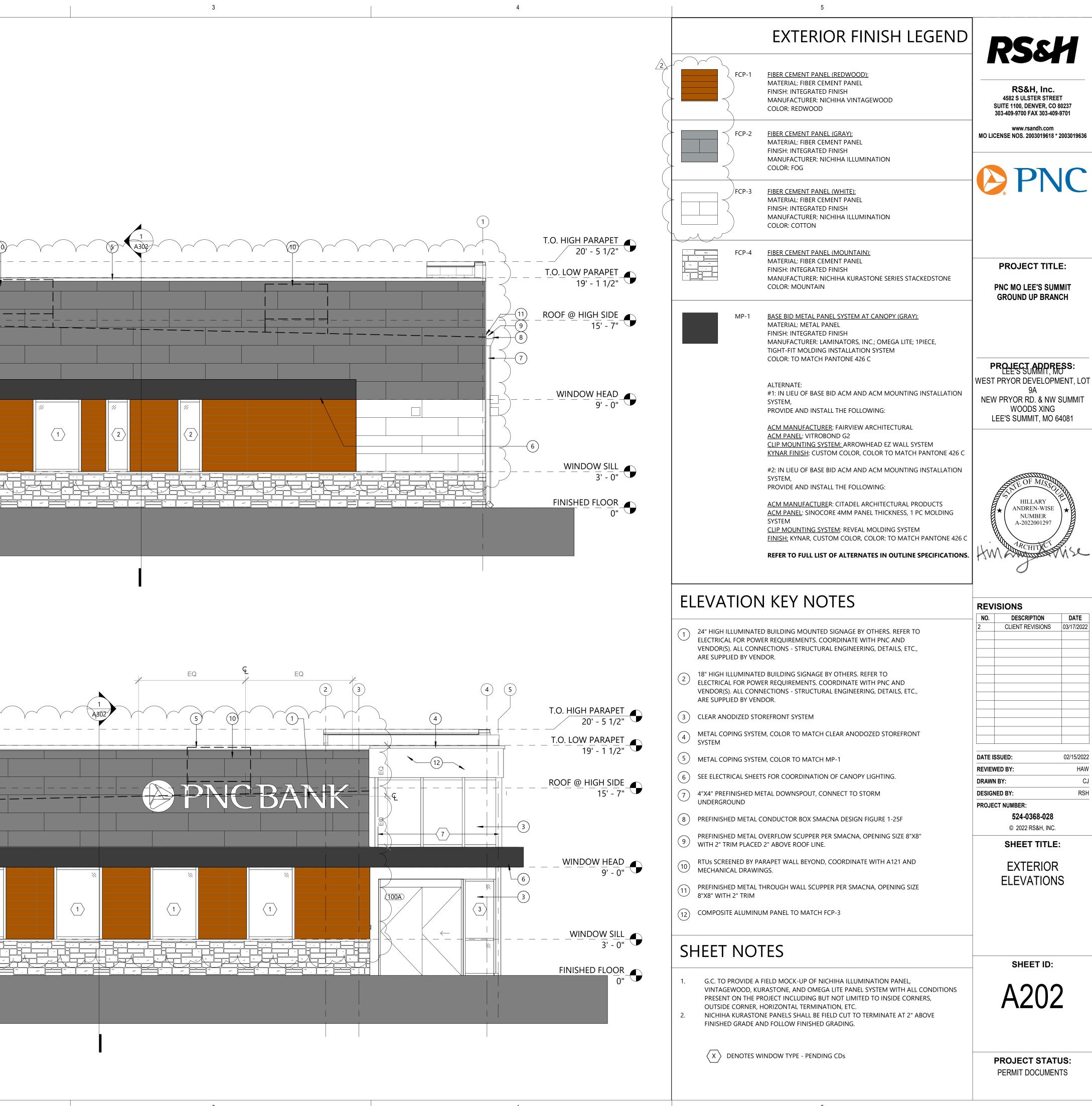


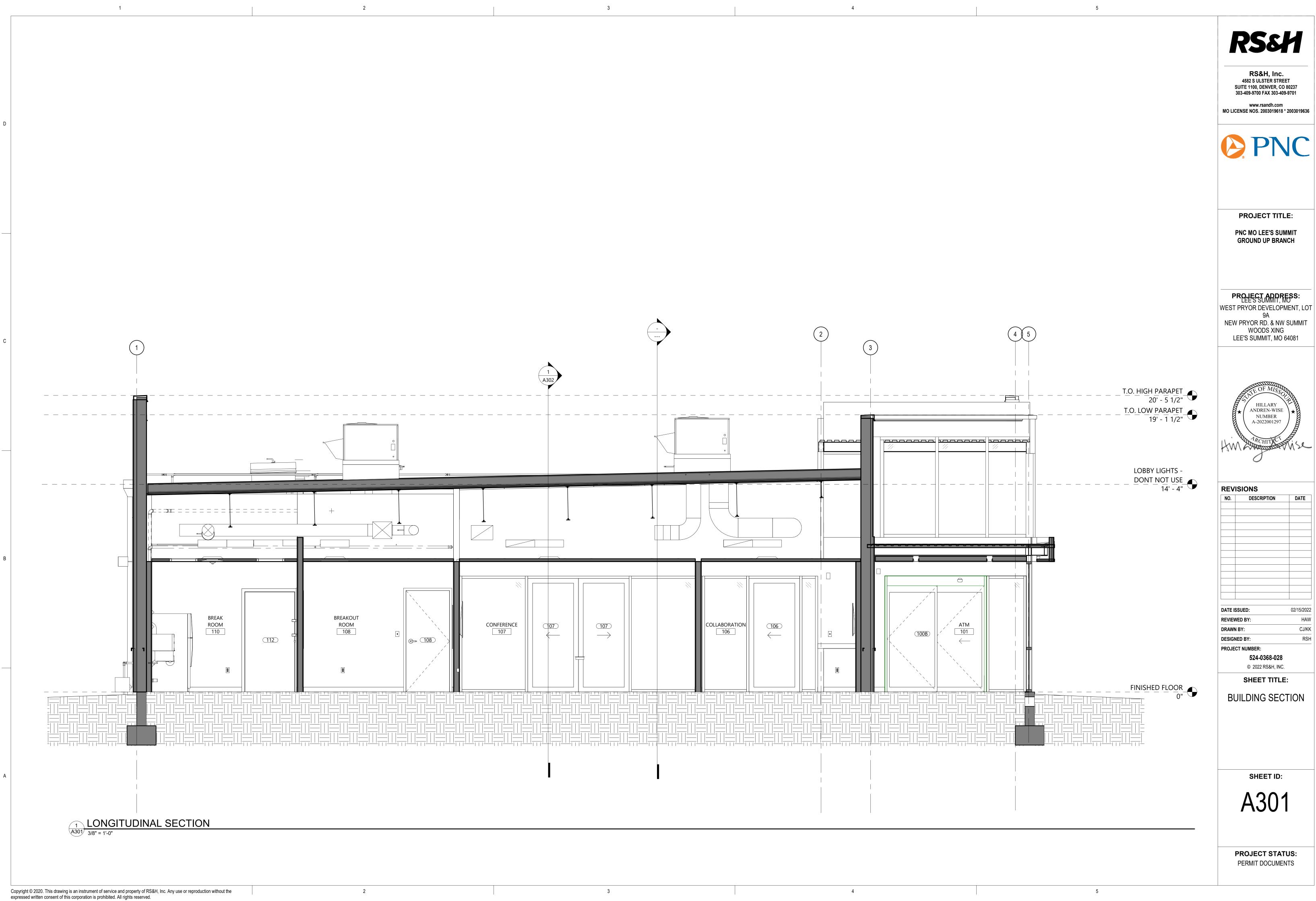


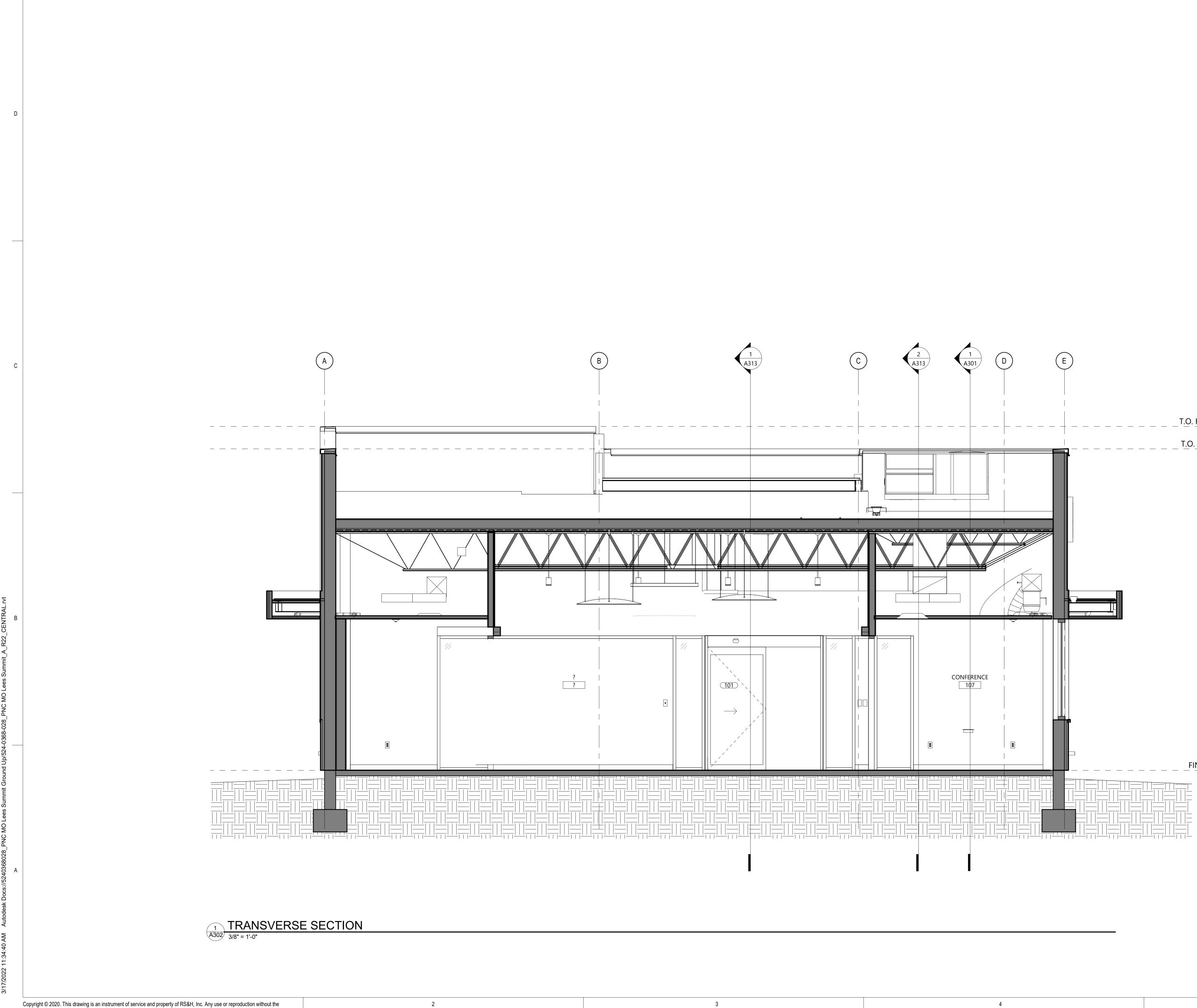
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4		5	
		EXTERIOR FINISH LEGEND	DCcL
	2 (FCP-1	FIBER CEMENT PANEL (REDWOOD):	RS&H
		MATERIAL: FIBER CEMENT PANEL FINISH: INTEGRATED FINISH MANUFACTURER: NICHIHA VINTAGEWOOD COLOR: REDWOOD	RS&H, Inc. 4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237 303-409-9700 FAX 303-409-9701
	FCP-2	<u>FIBER CEMENT PANEL (GRAY):</u> MATERIAL: FIBER CEMENT PANEL FINISH: INTEGRATED FINISH MANUFACTURER: NICHIHA ILLUMINATION COLOR: FOG	www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636
	FCP-3	<u>FIBER CEMENT PANEL (WHITE):</u> MATERIAL: FIBER CEMENT PANEL FINISH: INTEGRATED FINISH MANUFACTURER: NICHIHA ILLUMINATION COLOR: COTTON	
T.O. HIGH PARAPET 20' - 5 1/2"	FCP-4	<u>FIBER CEMENT PANEL (MOUNTAIN):</u> MATERIAL: FIBER CEMENT PANEL FINISH: INTEGRATED FINISH MANUFACTURER: NICHIHA KURASTONE SERIES STACKEDSTONE COLOR: MOUNTAIN	PROJECT TITLE: PNC MO LEE'S SUMMIT GROUND UP BRANCH
T.O. LOW PARAPET 19' - 1 1/2"	MP-1	<u>BASE BID METAL PANEL SYSTEM AT CANOPY (GRAY):</u> MATERIAL: METAL PANEL FINISH: INTEGRATED FINISH	
ROOF @_HIGH_SIDE 15' - 7"		MANUFACTURER: LAMINATORS, INC.; OMEGA LITE; 1PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM COLOR: TO MATCH PANTONE 426 C	PROJECT ADDRESS: LEE'S SUMMIT, MO
<u>WINDOW HEAD</u> 9' - 0"		ALTERNATE: #1: IN LIEU OF BASE BID ACM AND ACM MOUNTING INSTALLATION SYSTEM, PROVIDE AND INSTALL THE FOLLOWING: <u>ACM MANUFACTURER</u> : FAIRVIEW ARCHITECTURAL <u>ACM PANEL</u> : VITROBOND G2	WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT WOODS XING LEE'S SUMMIT, MO 64081
9-0		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,	OF MICH
<u>WINDOW SILL</u>		PROVIDE AND INSTALL THE FOLLOWING: <u>ACM MANUFACTURE</u> R: CITADEL ARCHITECTURAL PRODUCTS <u>ACM PANEL</u> : SINOCORE 4MM PANEL THICKNESS, 1 PC MOLDING SYSTEM	
FINISHED_FLOOR_0"		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.	A-2022001297
T.O. HIGH PARAPET	1 24" HIGH ILLUMINATEL ELECTRICAL FOR POW VENDOR(S). ALL CONN ARE SUPPLIED BY VEN 2 18" HIGH ILLUMINATEL ELECTRICAL FOR POW	D BUILDING SIGNAGE BY OTHERS. REFER TO ER REQUIREMENTS. COORDINATE WITH PNC AND IECTIONS - STRUCTURAL ENGINEERING, DETAILS, ETC.,	REVISIONS NO. DESCRIPTION DATE 2 CLIENT REVISIONS 03/17/2022
	3 CLEAR ANODIZED STO		
19' - 1 1/2"	4 SYSTEM	M, COLOR TO MATCH CLEAR ANODOZED STOREFRONT M, COLOR TO MATCH MP-1	DATE ISSUED: 02/15/2022
<u>ROOF @ HIGH SIDE</u> 15' - 7"	6 SEE ELECTRICAL SHEET 7 4"X4" PREFINISHED ME UNDERGROUND	TS FOR COORDINATION OF CANOPY LIGHTING. ETAL DOWNSPOUT, CONNECT TO STORM	REVIEWED BY: HAW DRAWN BY: CJ DESIGNED BY: RSH PROJECT NUMBER: 524-0368-028 © 2022 RS&H, INC.
WINDOW <u>HEAD</u> 9' - 0"	(9) WITH 2" TRIM PLACED	RAPET WALL BEYOND, COORDINATE WITH A121 AND	SHEET TITLE: EXTERIOR
		HROUGH WALL SCUPPER PER SMACNA, OPENING SIZE	ELEVATIONS
<u>WINDOW SILL</u>	(12) COMPOSITE ALUMINU	IM PANEL TO MATCH FCP-3	
	SHEET NOT	ΓES	SHEET ID:
	VINTAGEWOOD, KU PRESENT ON THE PF OUTSIDE CORNER, F 2. NICHIHA KURASTON	FIELD MOCK-UP OF NICHIHA ILLUMINATION PANEL, RASTONE, AND OMEGA LITE PANEL SYSTEM WITH ALL CONDITIONS ROJECT INCLUDING BUT NOT LIMITED TO INSIDE CORNERS, HORIZONTAL TERMINATION, ETC. NE PANELS SHALL BE FIELD CUT TO TERMINATE AT 2" ABOVE ND FOLLOW FINISHED GRADING.	A201
	X DENOTES W	INDOW TYPE - PENDING CDs	PROJECT STATUS: PERMIT DOCUMENTS
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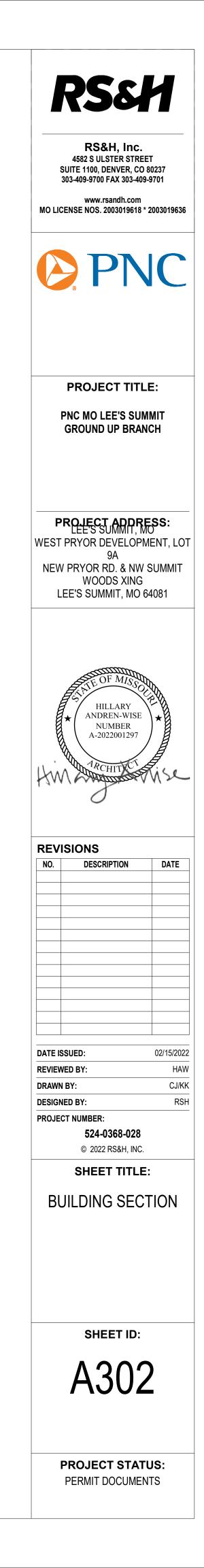


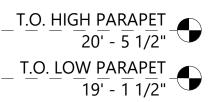


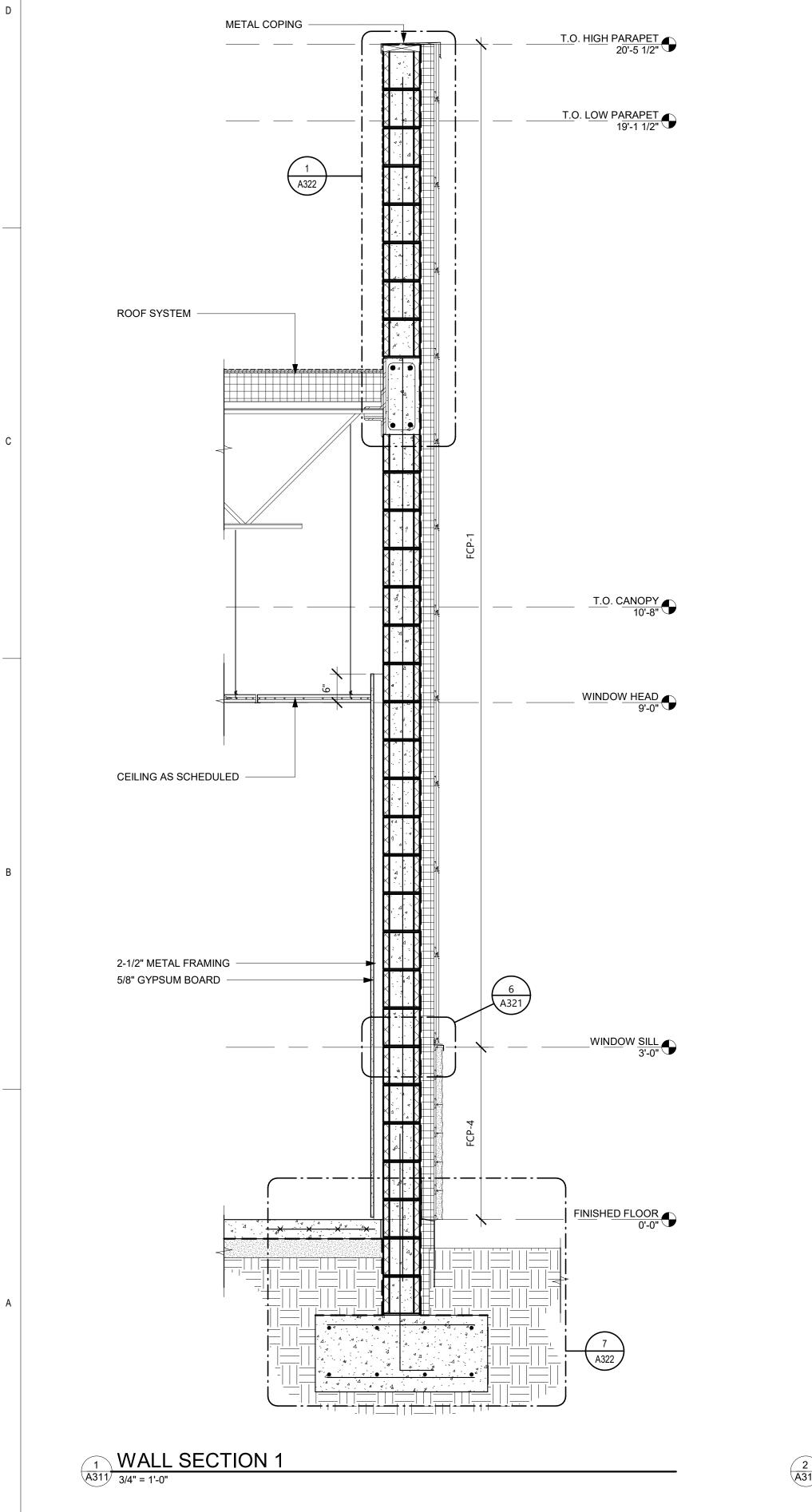




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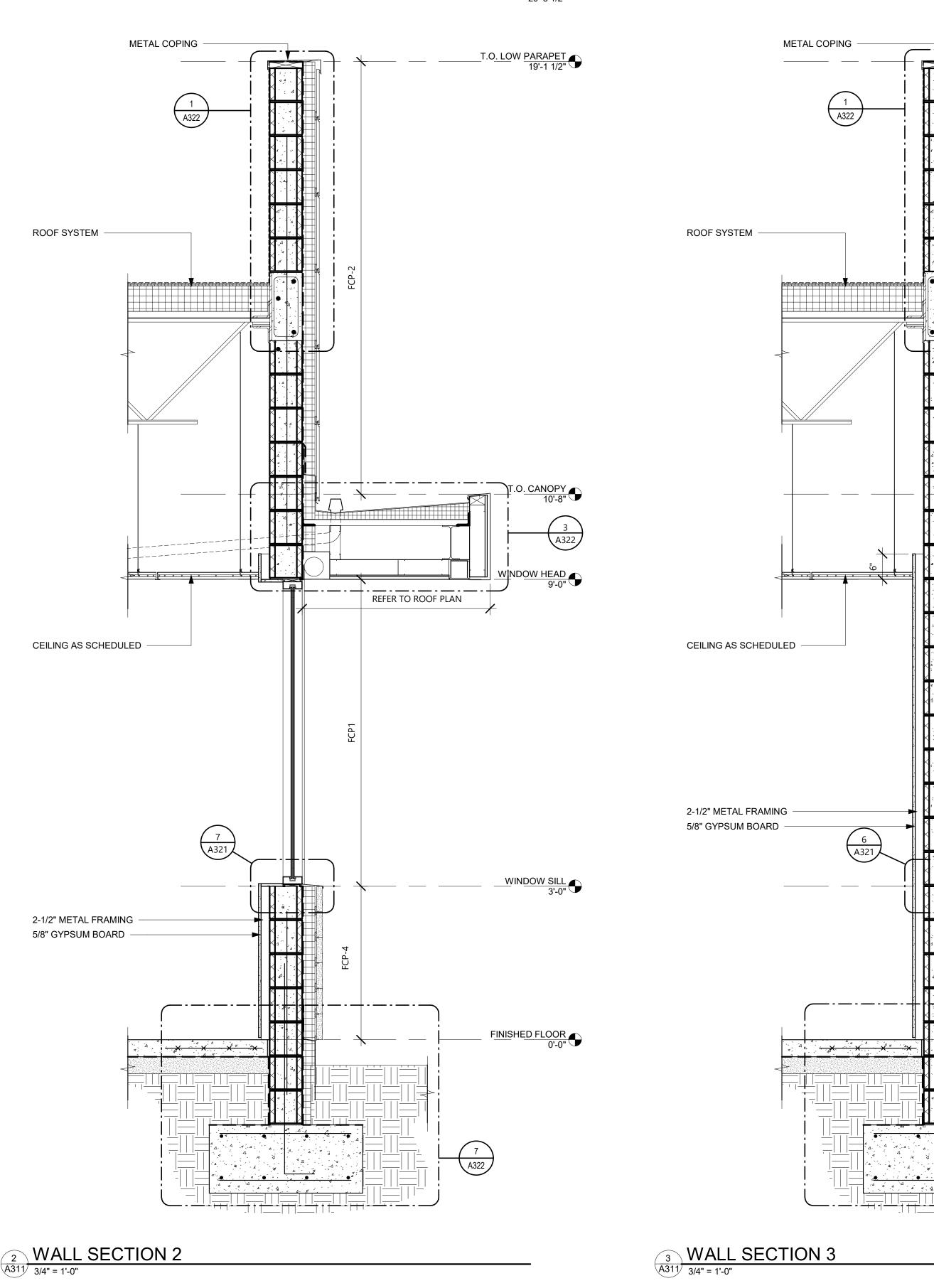




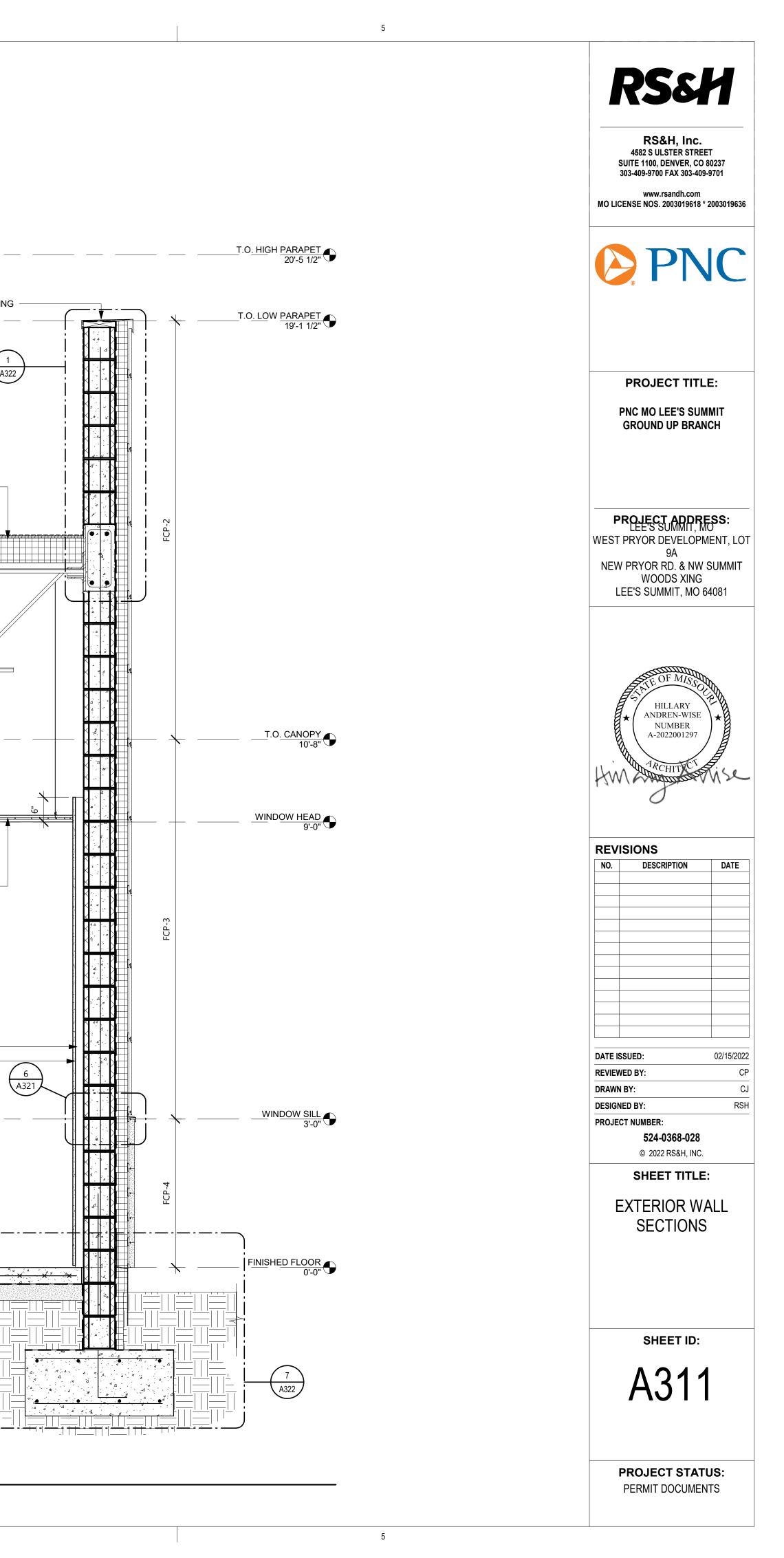


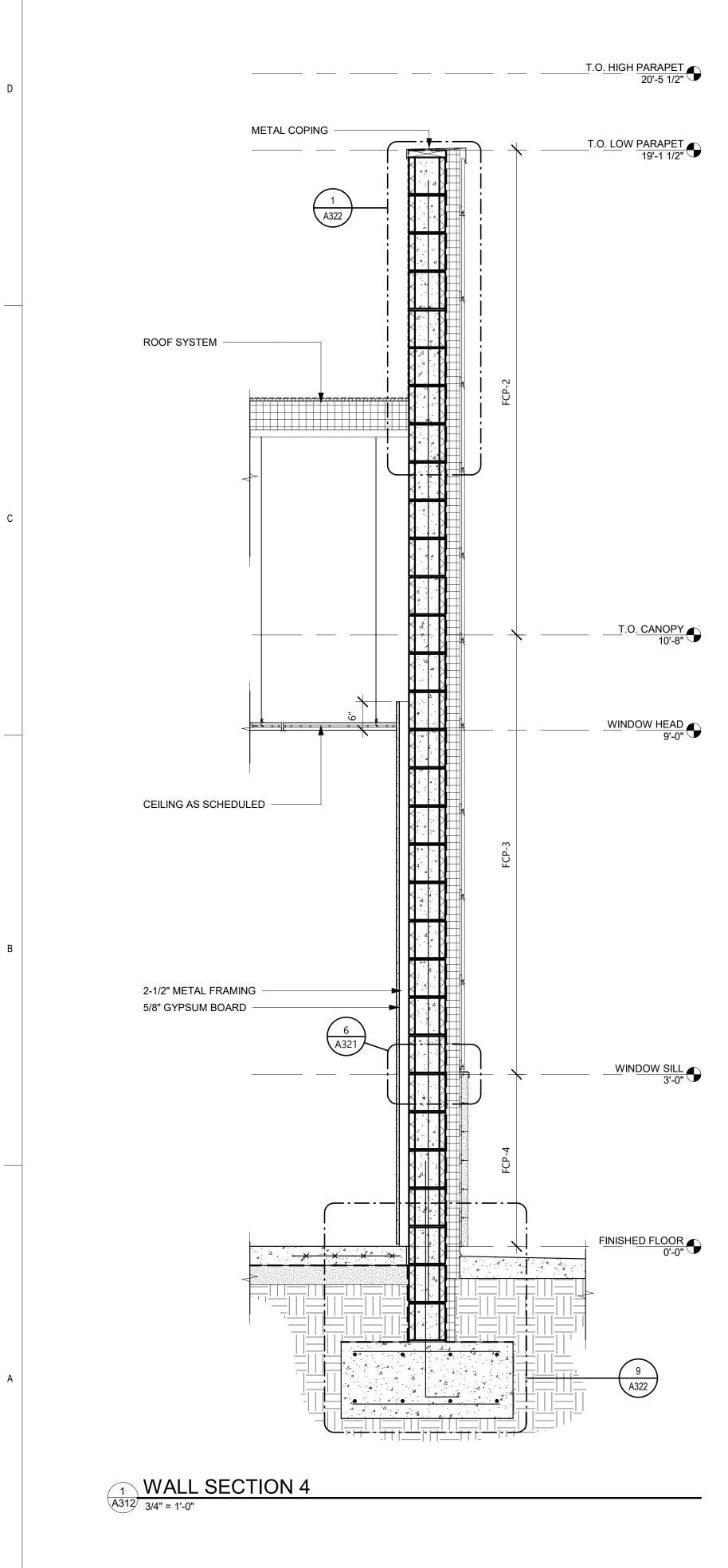
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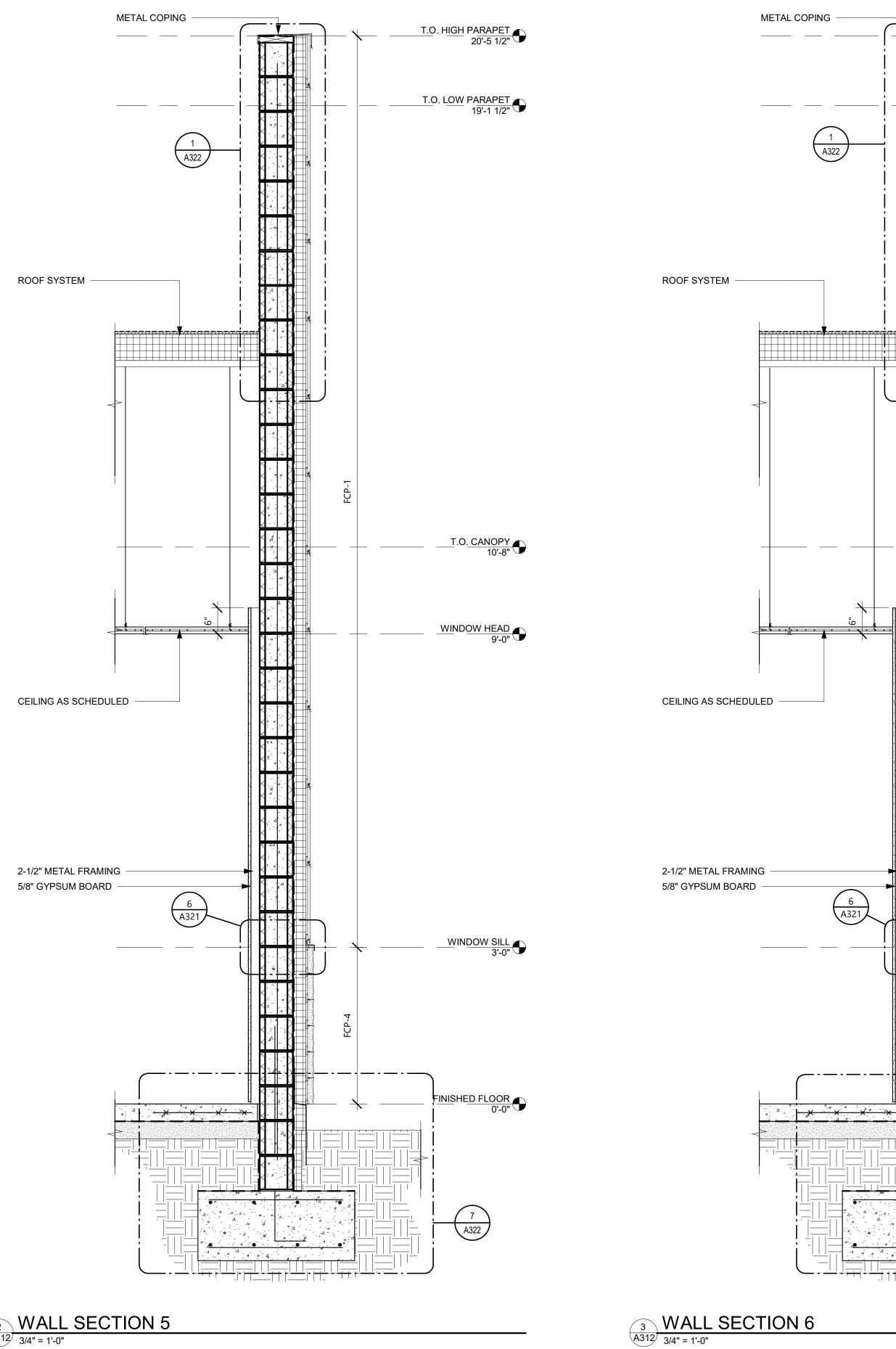
A311 3/4" = 1'-0"



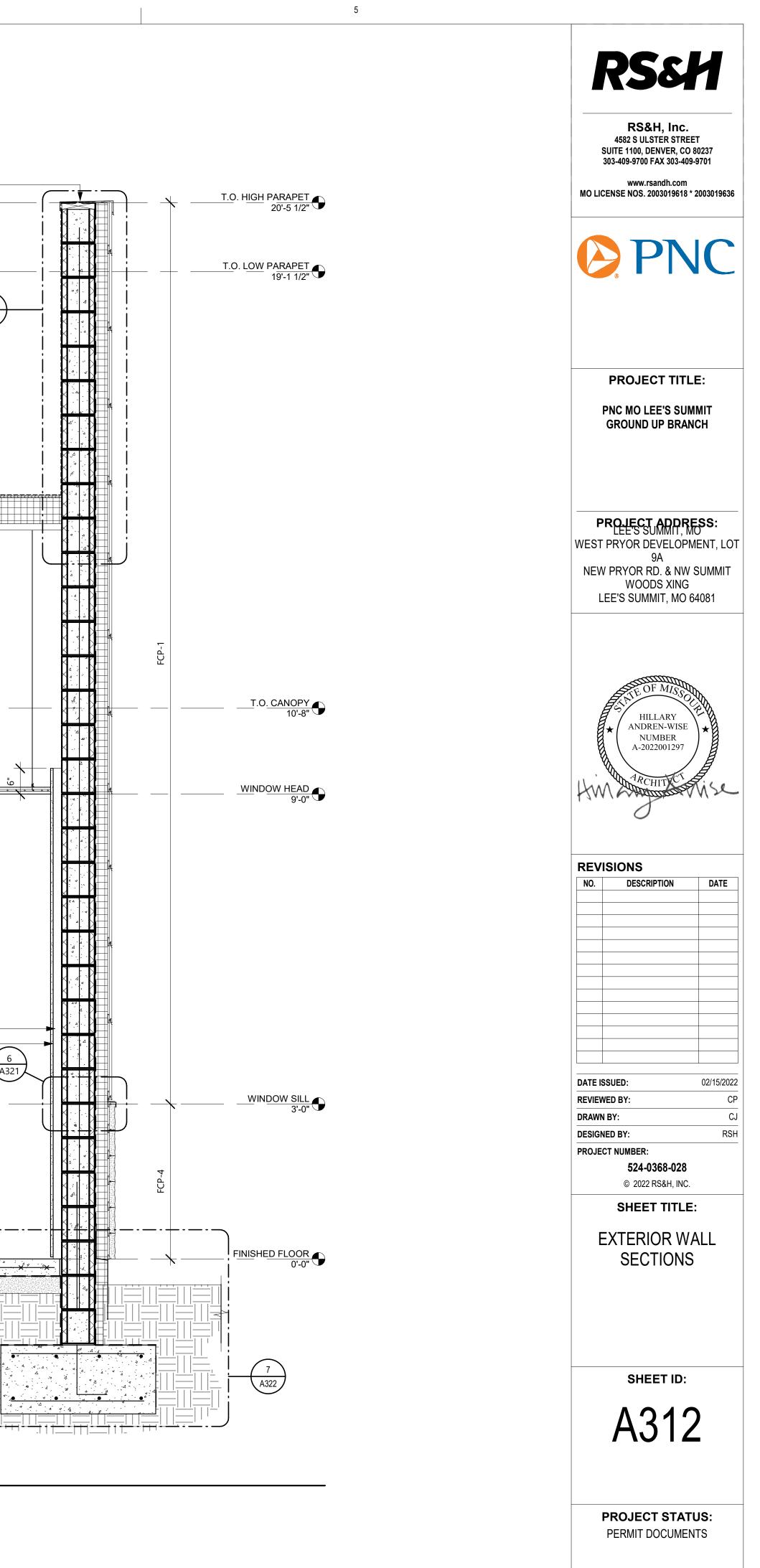
T.O. HIGH PARAPET 20'-5 1/2"

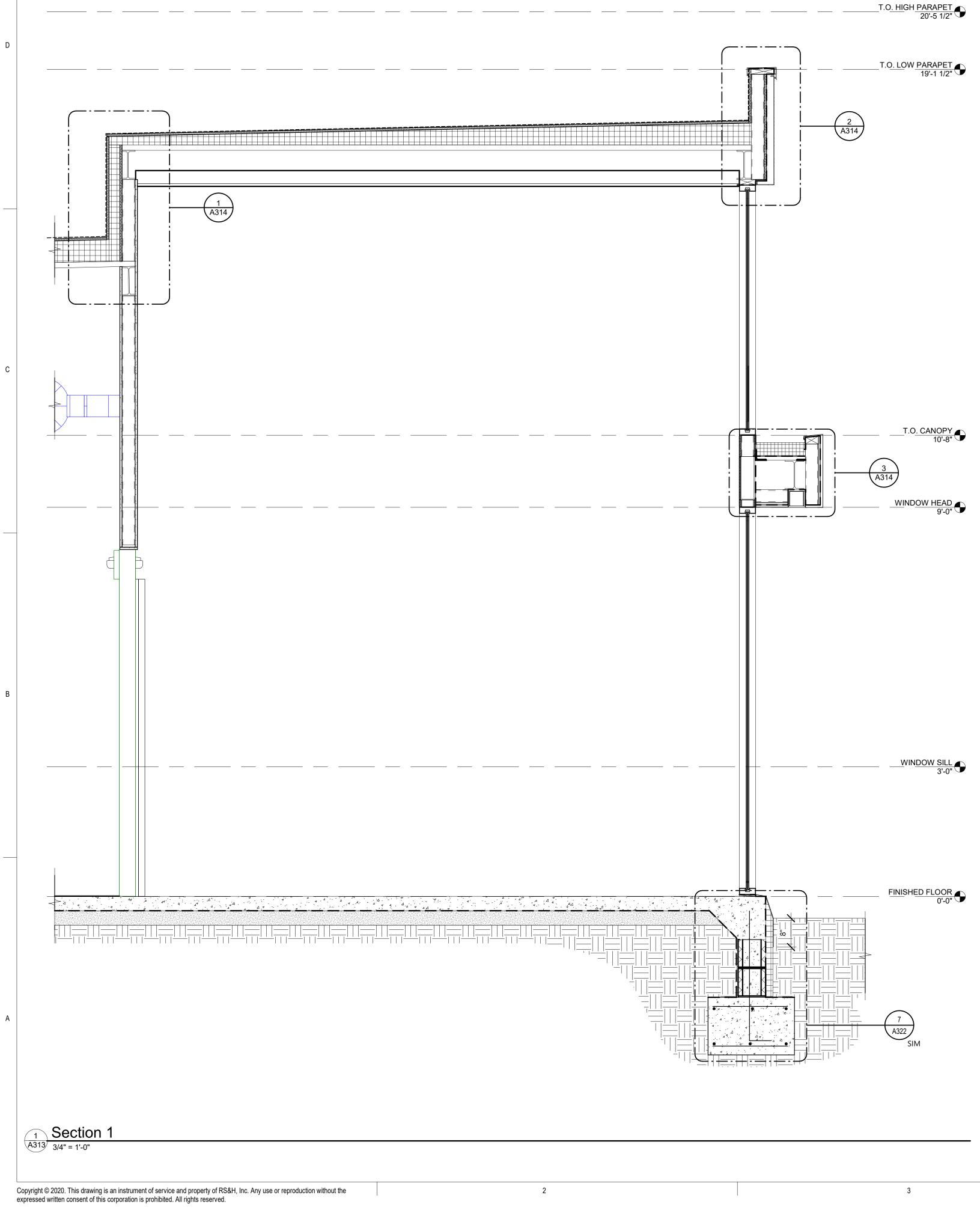


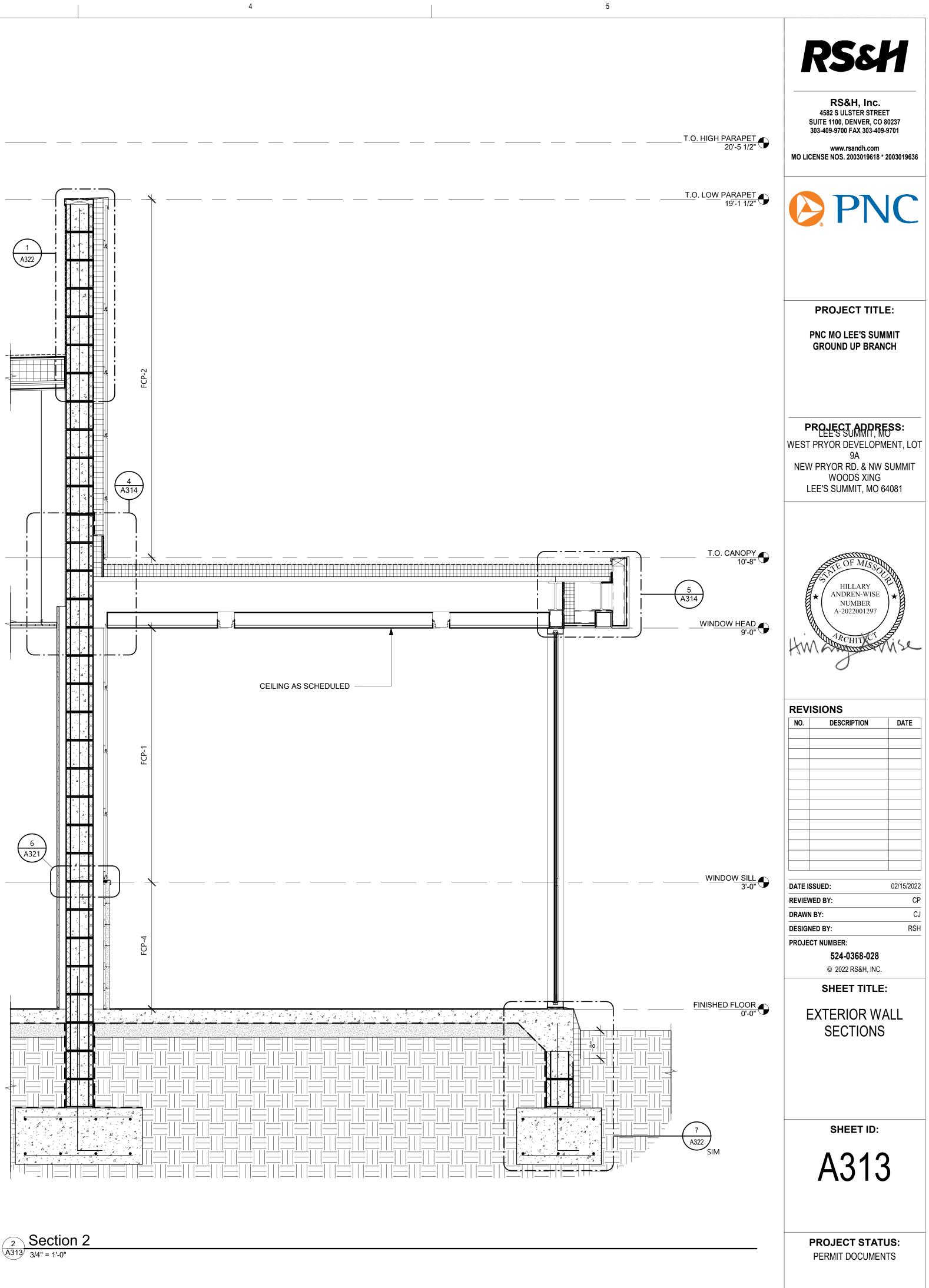


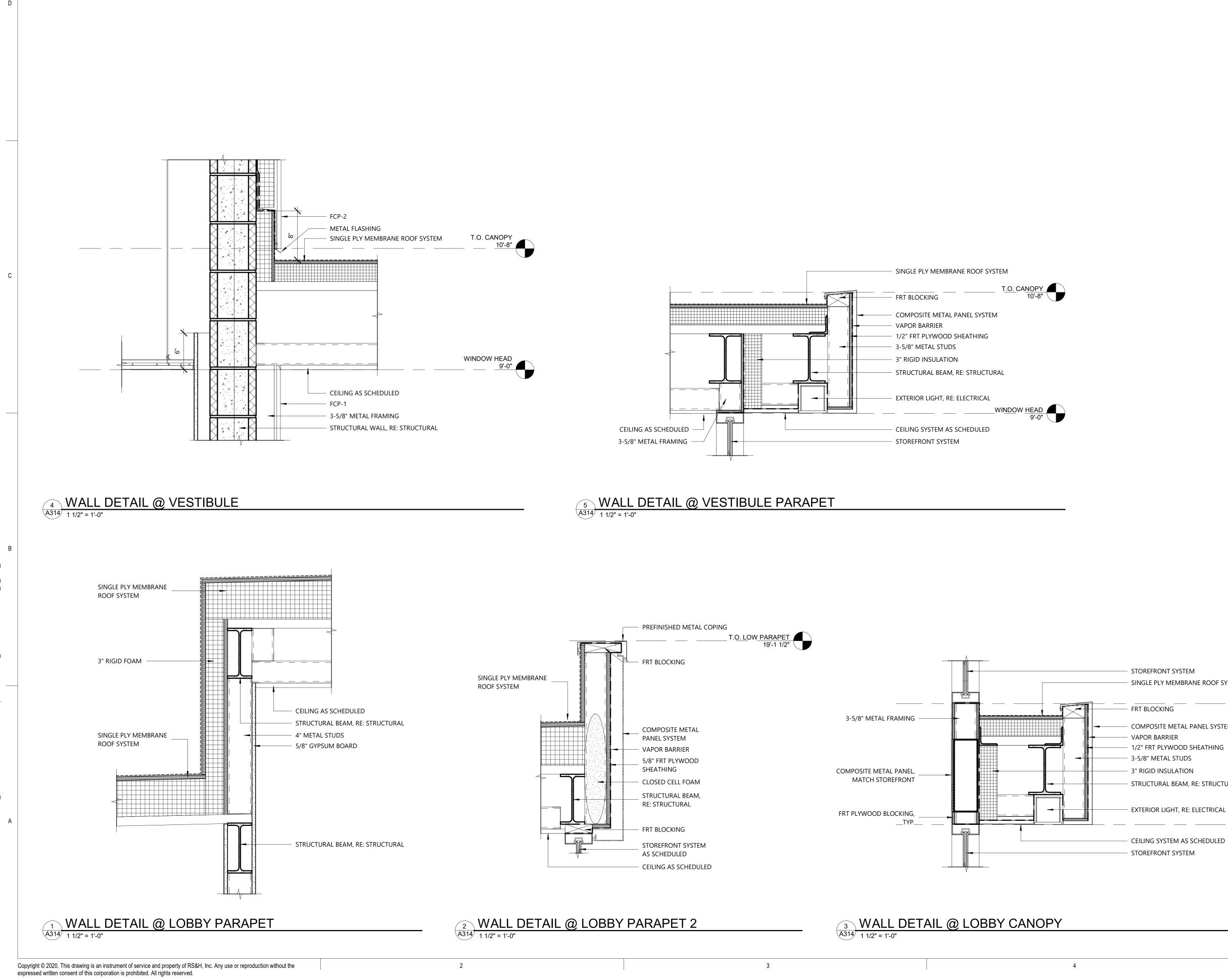


2 WALL SECTION 5 A312 3/4" = 1'-0"



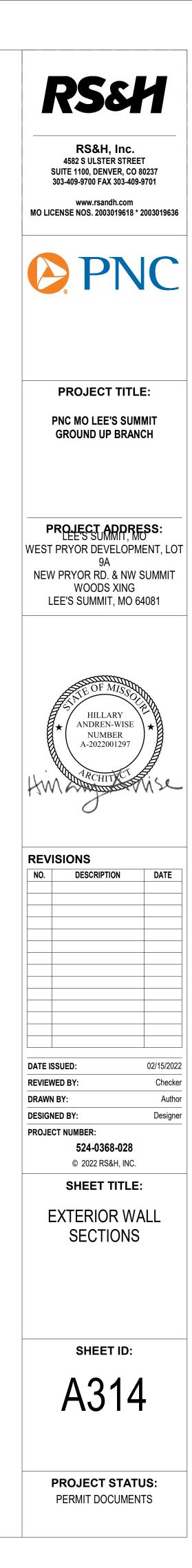






2

1



5

STOREFRONT SYSTEM SINGLE PLY MEMBRANE ROOF SYSTEM T.O. CANOPY

10'-8"

5

- COMPOSITE METAL PANEL SYSTEM

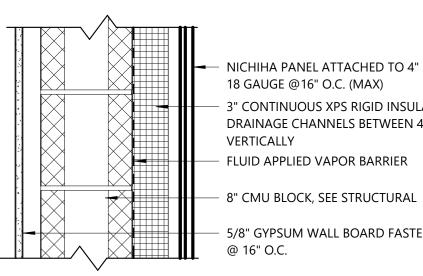
- 1/2" FRT PLYWOOD SHEATHING

4

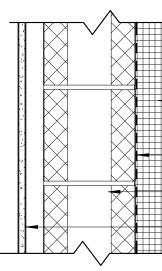
- STRUCTURAL BEAM, RE: STRUCTURAL

WINDOW HEAD 9'-0" \

CEILING SYSTEM AS SCHEDULED STOREFRONT SYSTEM



T FIBER CEMENT WALL SYSTEM - FCP-1 A321 1 1/2" = 1'-0"



NICHIHA PANEL ATTACHED TO 3" METAL Z-GIRTS - MIN 18 GAUGE @16" O.C. (MAX) - 3" CONTINUOUS XPS RIGID INSULATION WITH DRAINAGE CHANNELS BETWEEN 3" Z-GIRTS @ 16" O.C. VERTICALLY - FLUID APPLIED VAPOR BARRIER

- 8" CMU BLOCK, SEE STRUCTURAL

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

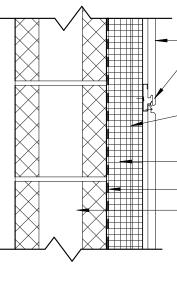
@ 16" O.C.

	NICHIHA KURASTON Z-GIRTS - MIN 18 GA NICHIHA KURASTON 3" CONTINUOUS XPS DRAINAGE CHANNEL VERTICALLY FLUID APPLIED VAPO 8" CMU BLOCK, SEE S 5/8" GYPSUM WALL 1
--	---

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

1

- NICHIHA PANEL ATTACHED TO 4" METAL Z-GIRTS MIN - 3" CONTINUOUS XPS RIGID INSULATION WITH
- DRAINAGE CHANNELS BETWEEN 4" Z-GIRTS @ 16" O.C.
- 5/8" GYPSUM WALL BOARD FASTENED TO 2-1/2" STUDS



3

- NICHIHA PANEL NICHIHA CLIP W/ FASTENER APPLIED TO FURRING
 - 3" METAL Z FURRINGS MIN 18 GA @16" O.C. (MAX)
 - VERTICALLY
 - **3" CONTINUOUS XPS RIGID INSULATION**
 - VAPOR BARRIER WALL ASSEMBLY AS SCHEDULED

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

- 5/8" GYPSUM WALL BOARD FASTENED TO 2-1/2" STUDS

NICHIHA PANEL ATTACHED TO 4" METAL FURRING - MIN 18 GAUGE @16" O.C. (MAX) VERTICALLY

- NICHIHA STARTER TRACK
- FLASHING

NICHIHA PANEL FASTENED TO 3" METAL FURRING - MIN 18 GAUGE @16" O.C. (MAX) VERTICALLY **3" CONTINUOUS XPS RIGID INSULATION** VAPOR BARRIER WALL ASSEMBLY AS SCHEDULED

NICHIHA PANEL TRANSITION 1

ONE PANEL FASTENED TO 3" METAL GA @16" O.C. (MAX) ONE CLIP

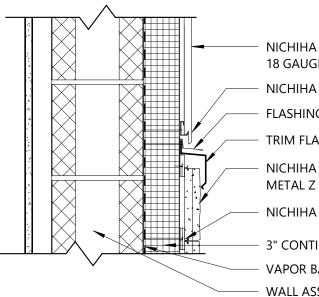
(PS RIGID INSULATION WITH NELS BETWEEN 3" Z-GIRTS @ 16"O.C.

POR BARRIER

E STRUCTURAL

BOARD FASTENED TO 2-1/2" STUDS

A321 1 1/2" = 1'-0"



- NICHIHA PANEL ATTACHED TO 3" METAL FURRING - MIN 18 GAUGE @16" O.C. (MAX) NICHIHA STARTER TRACK FLASHING 1/4" CLEARANCE BETWEEN EDGE OF PANEL AND FLASHING TRIM FLASHING, PAINT TO PANTONE 426C NICHIHA KURASTONE PANEL FASTENED TO 3" METAL Z FURRINGS - MIN 18 GA @16" O.C. (MAX) NICHIHA KURASTONE CLIP 3" CONTINUOUS XPS RIGID INSULATION

- VAPOR BARRIER - WALL ASSEMBLY AS SCHEDULED

6 NICHIHA PANEL TRANSITION 2

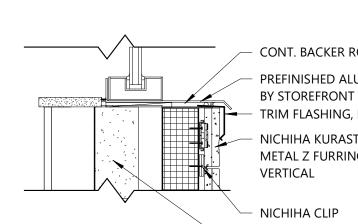
A321 1 1/2" = 1'-0"

3

SINGLE-PLY MEMBRANE ROOF SYSTEM 5/8" COVERBOARD (2) LAYERS OF SLOPING 3" POLYISO RIGID INSULATION - SELF-ADHERING MEMBRANE VAPOR BARRIER 5/8" GYPSUM ROOF SHEATHING

- FLAT ROOF DECK AND STRUCTURE

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



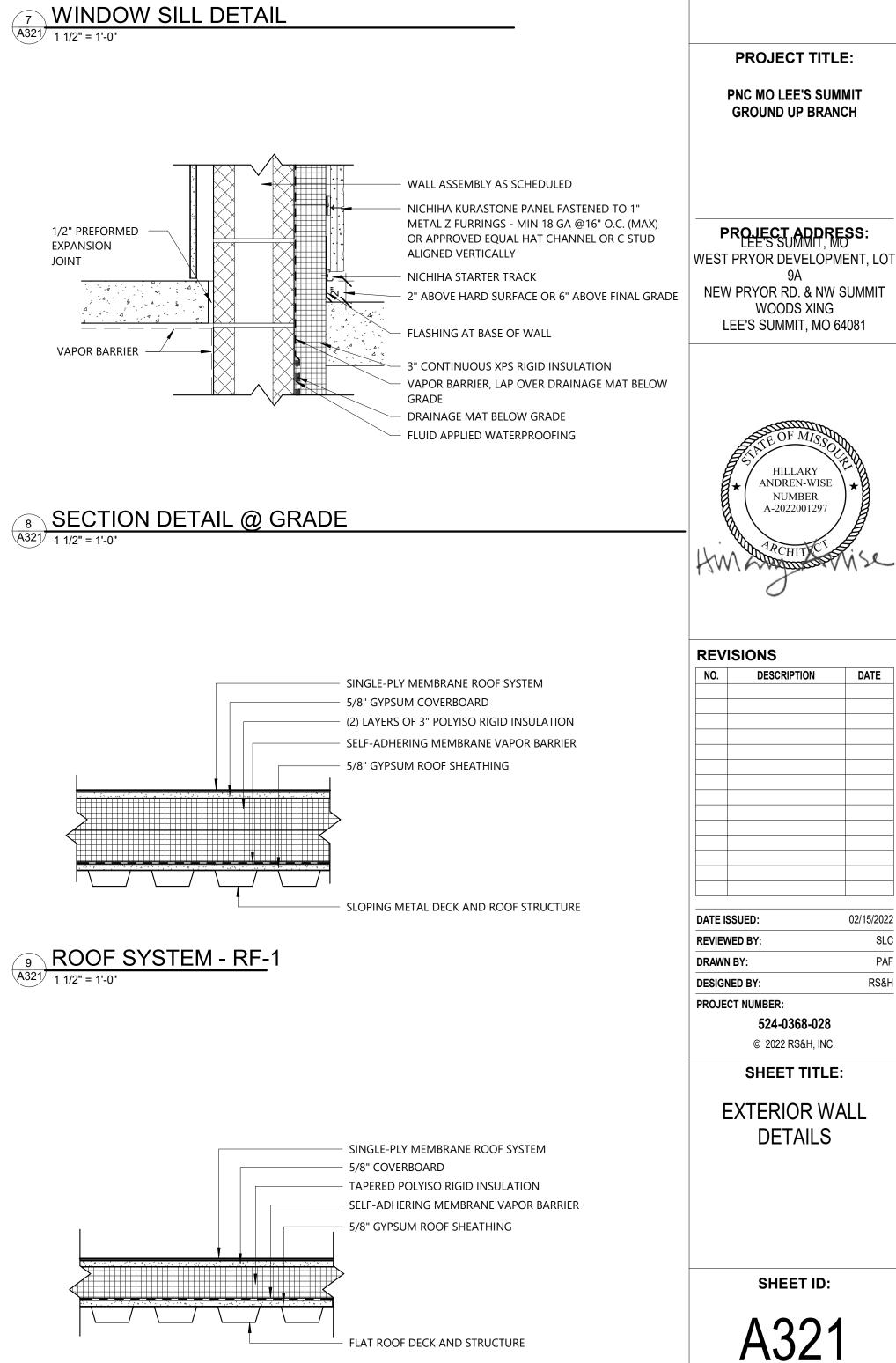
CONT. BACKER ROD AND SEALANT PREFINISHED ALUMINUM SILL PAN BY STOREFRONT WINDOW MANUFACTURER TRIM FLASHING, PAINT TO PANTONE 426C NICHIHA KURASTONE PANEL FASTENED TO 3" METAL Z FURRINGS - MIN 18 GA @16" O.C. (MAX)

5

WALL ASSEMBLY AS SCHEDULED

ROOF SYSTEM - RF-3

A321 1 1/2" = 1'-0"



5

PROJECT STATUS: PERMIT DOCUMENTS

RS&H

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

PNC

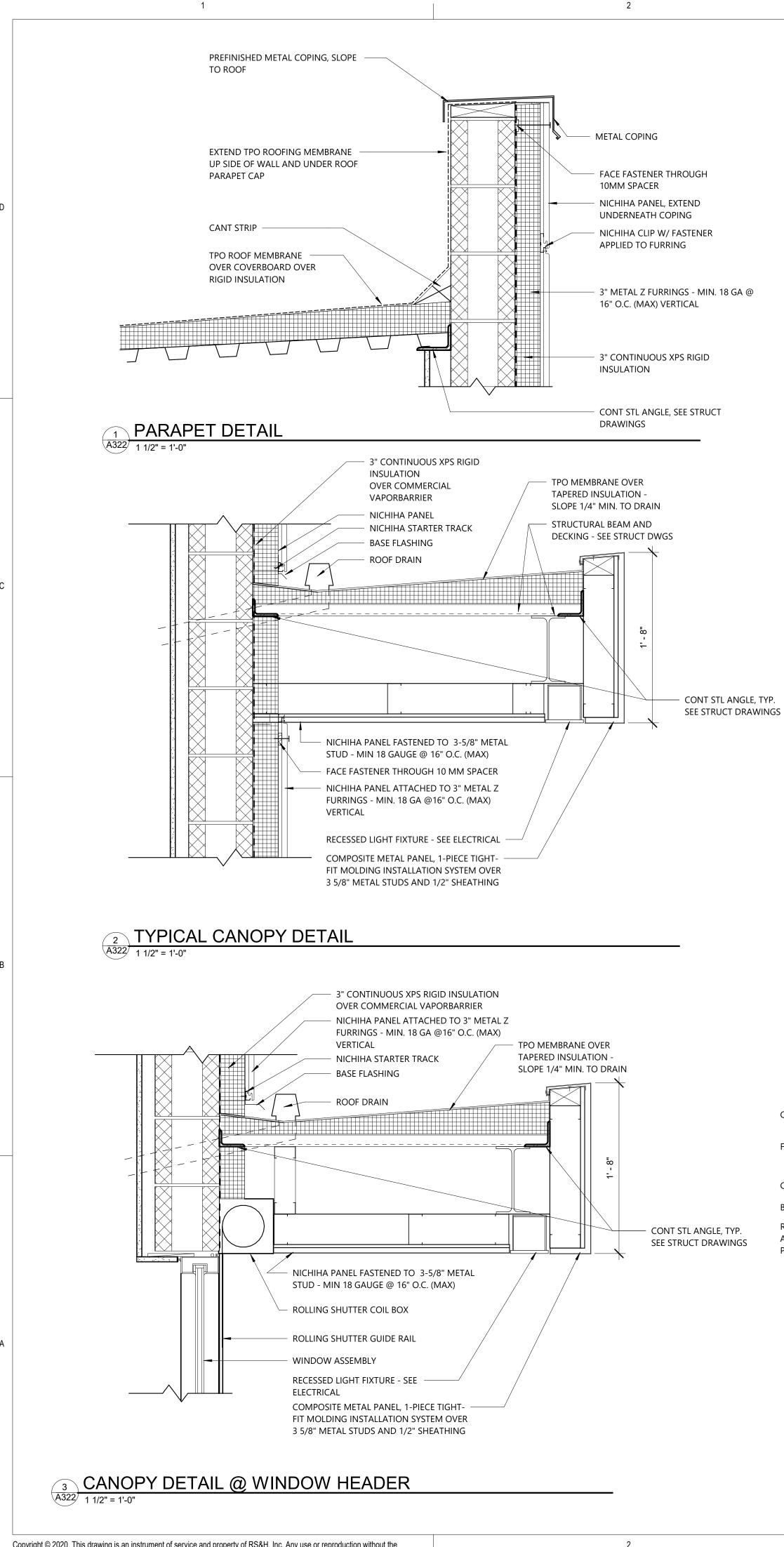
DATE

02/15/2022

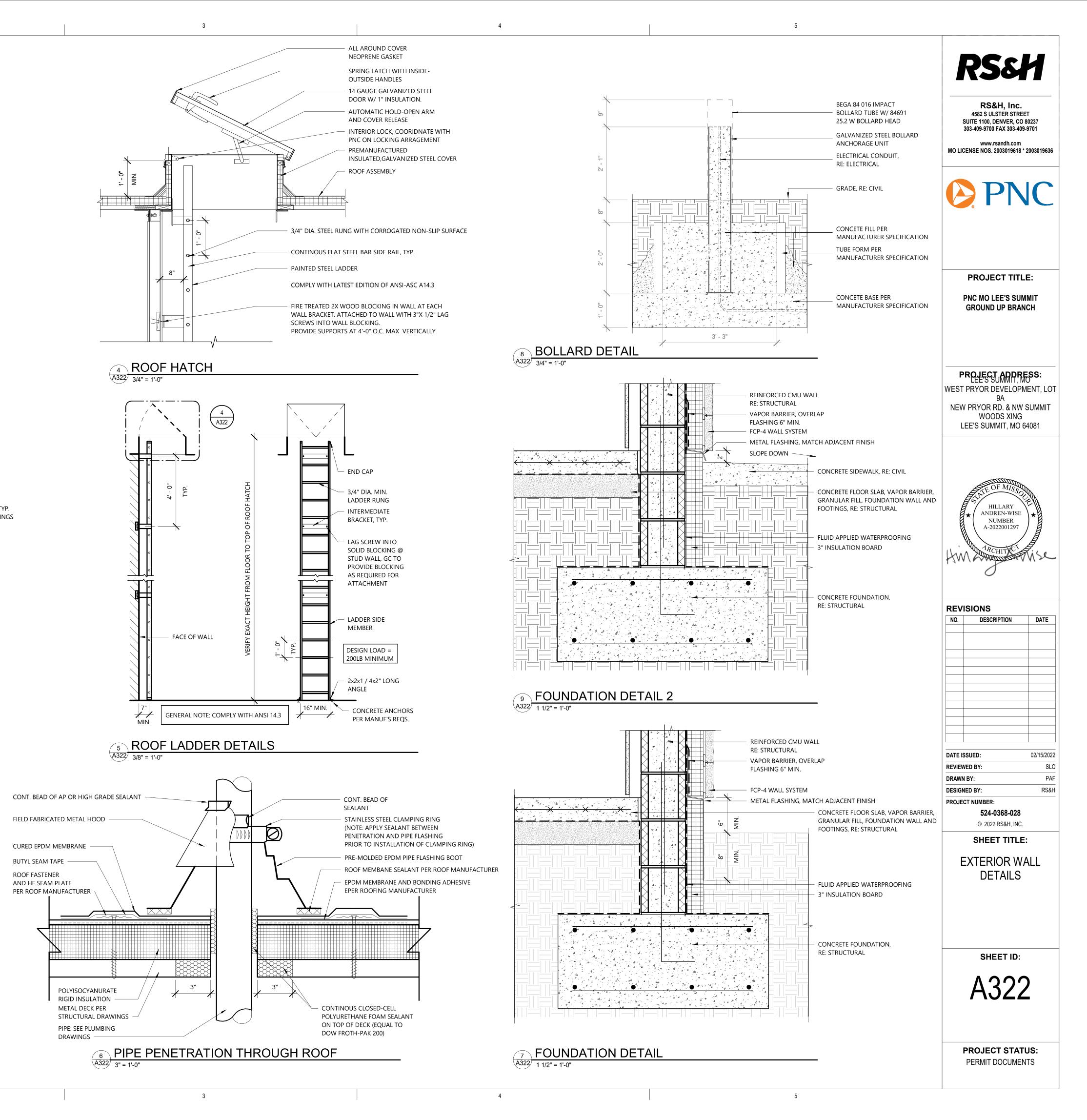
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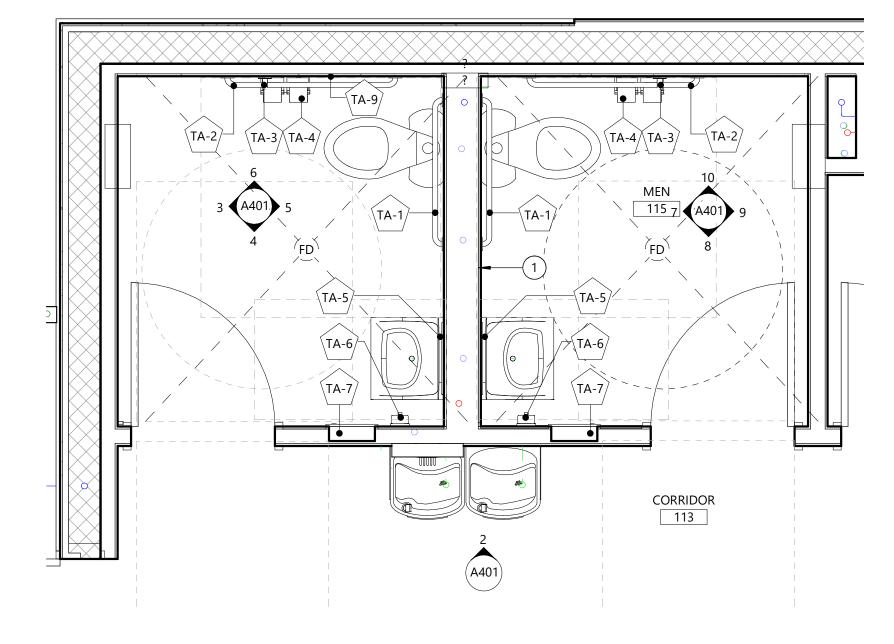
PAF

RS&H



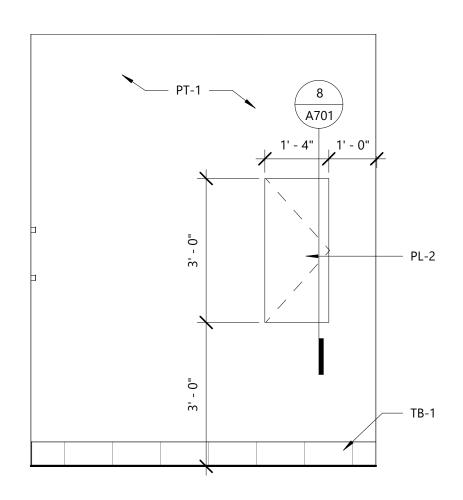
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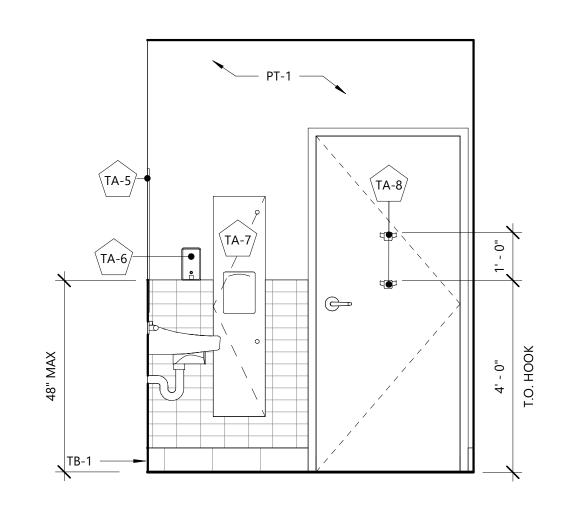




ENLARGED RESTROOM PLANS A401 1/2" = 1'-0"

1

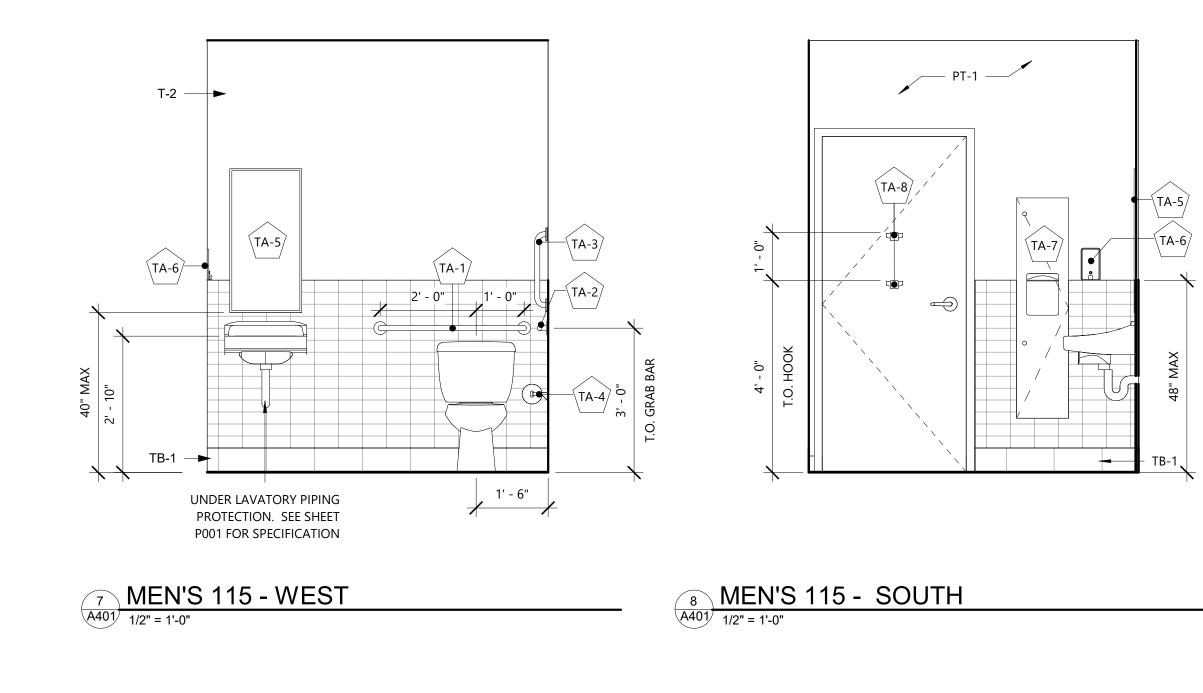


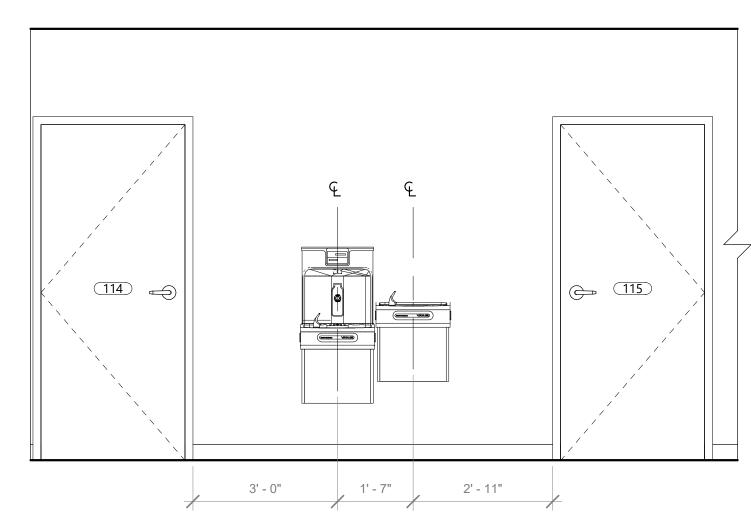




4 WOMEN'S 114 - SOUTH A401 1/2" = 1'-0"

2



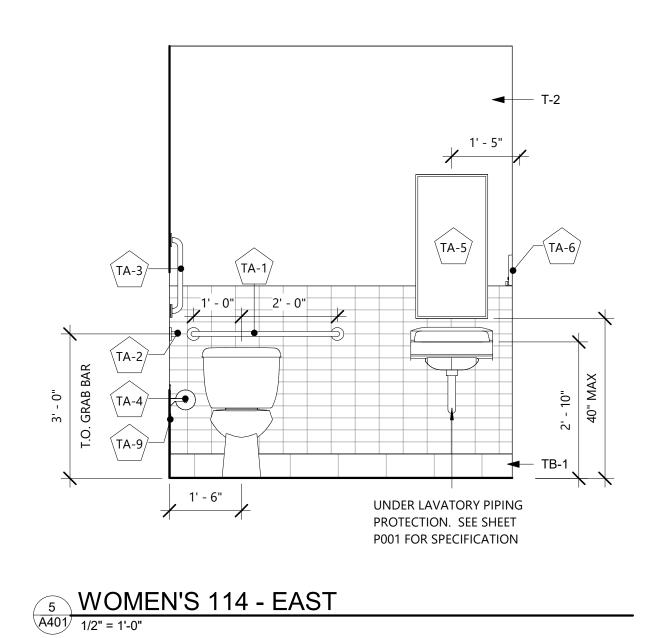


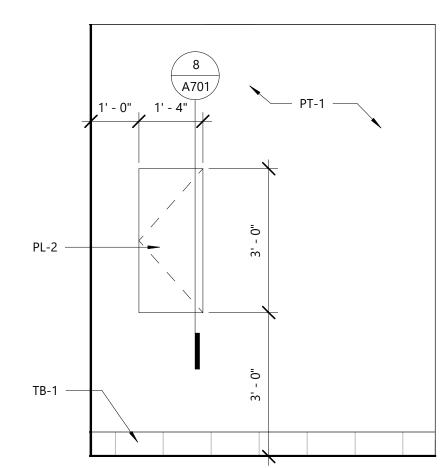
3

PRODUCT FURN					INSTALLED		
TAG	DESCRIPTION	MANUFACTURER MODEL		BY	BY	FINISH MATERIAL	
	1	1				1	
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	НООК	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	

4

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





9 MEN'S 115 - EAST

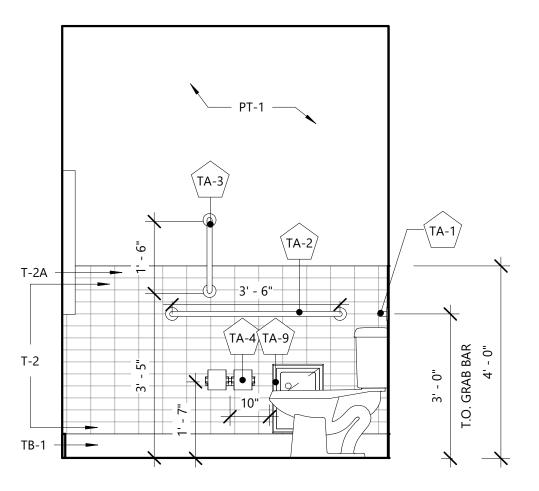
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5

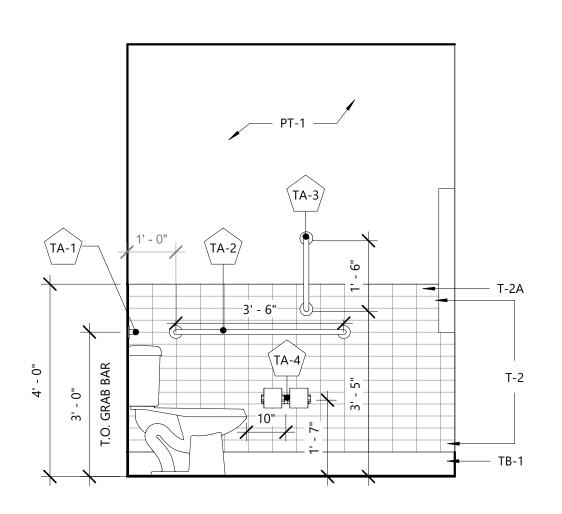
RESTROOM FOUIPMENT SCHEDULE

FLOOR PLAN KEY NOTES 🛞

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

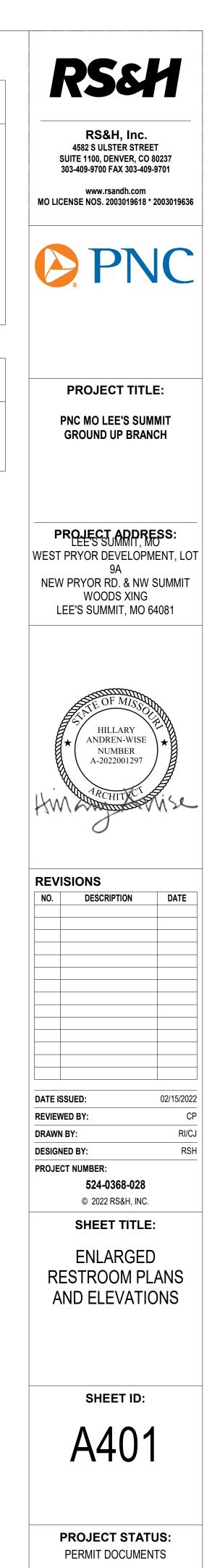


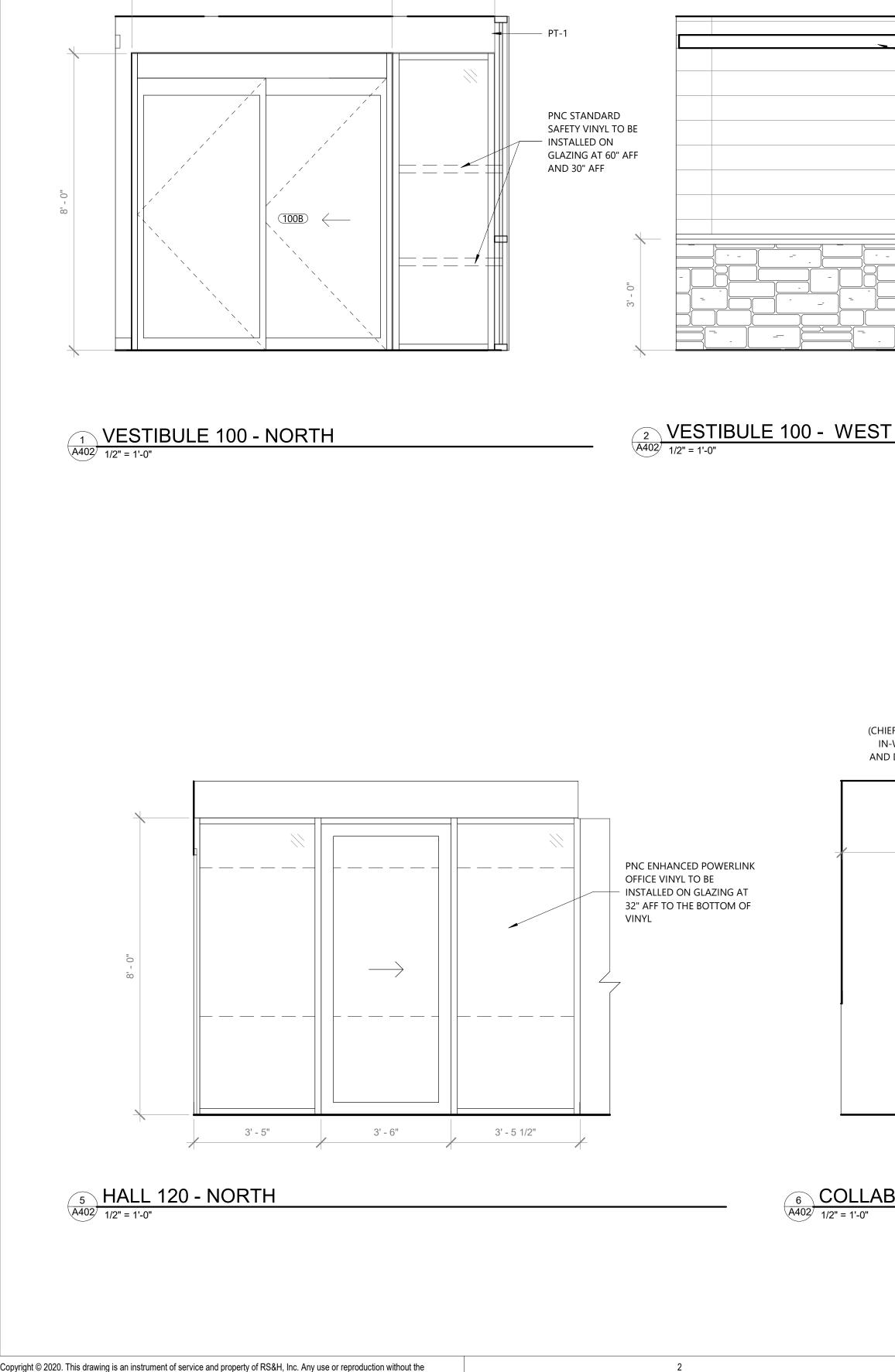
6 WOMEN'S 114 - NORTH A401 1/2" = 1'-0"



5

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



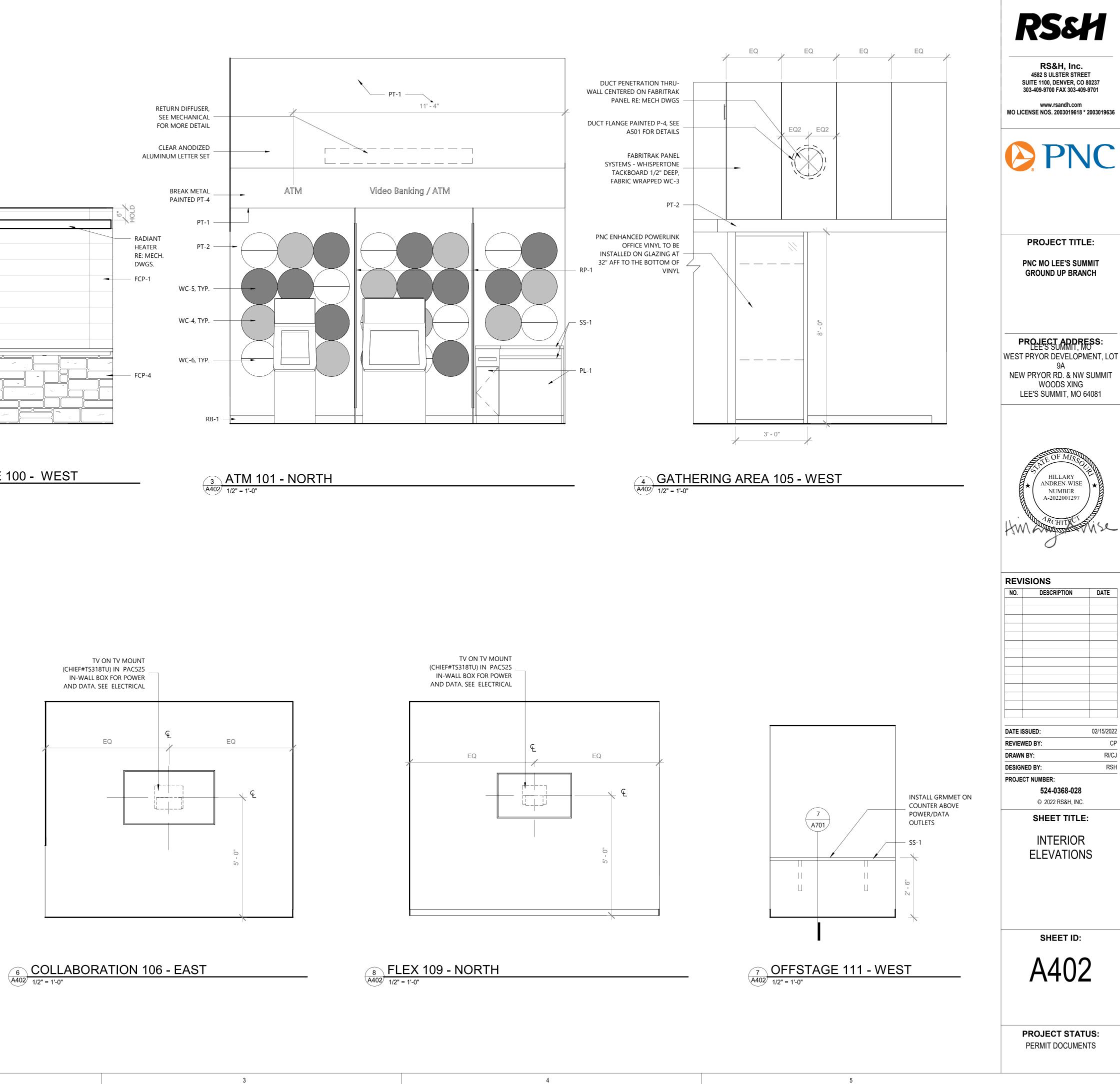


2' - 9"

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1

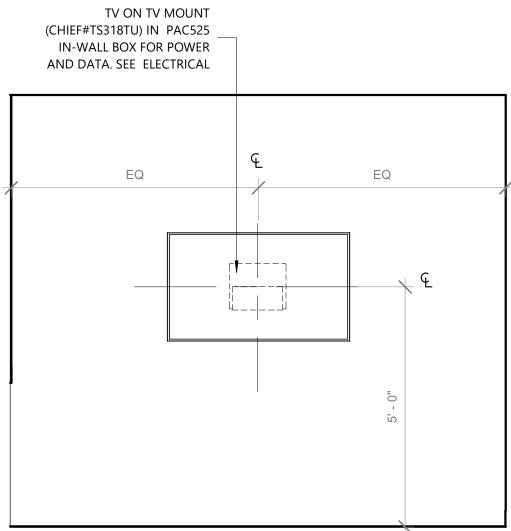
7' - 0"

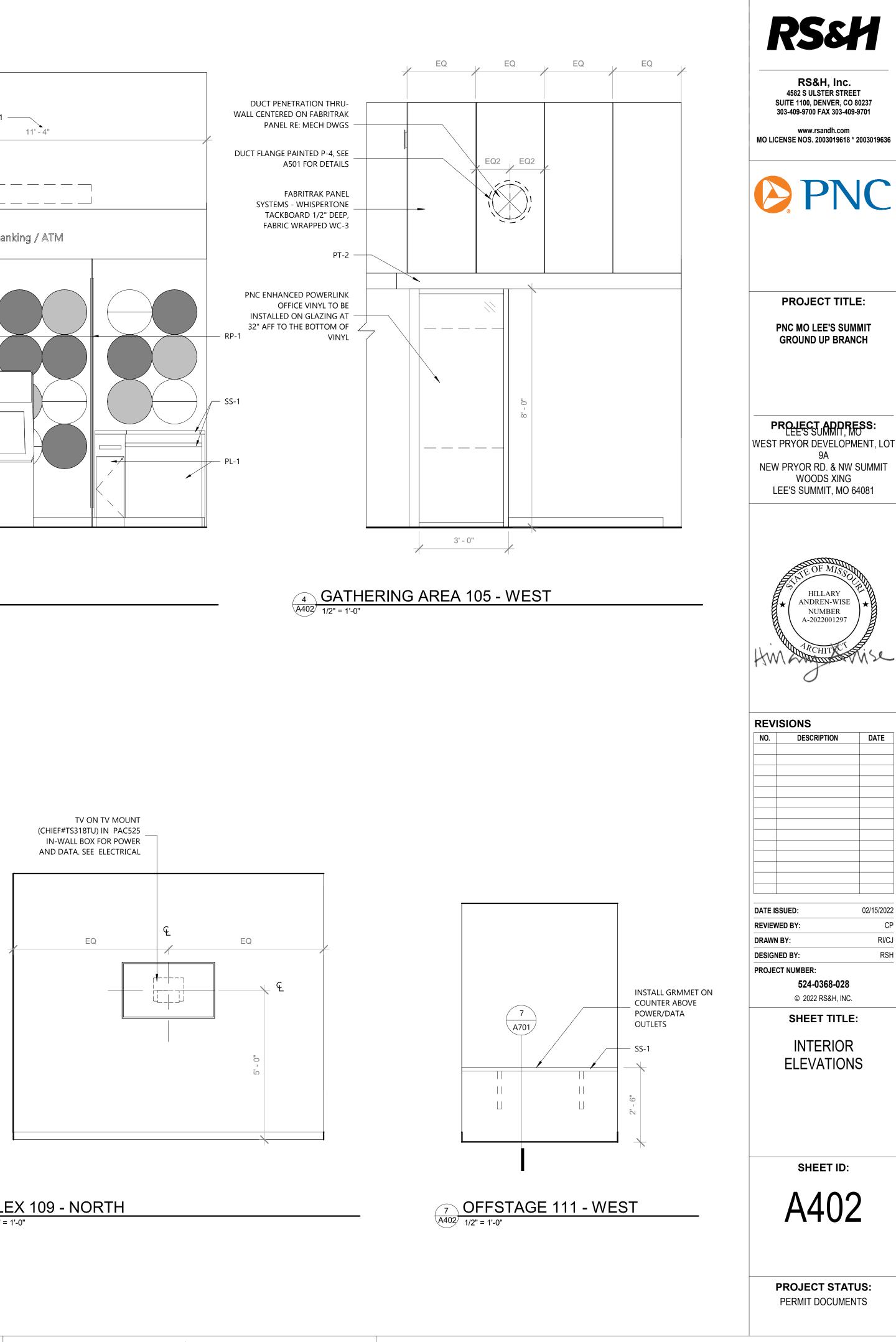


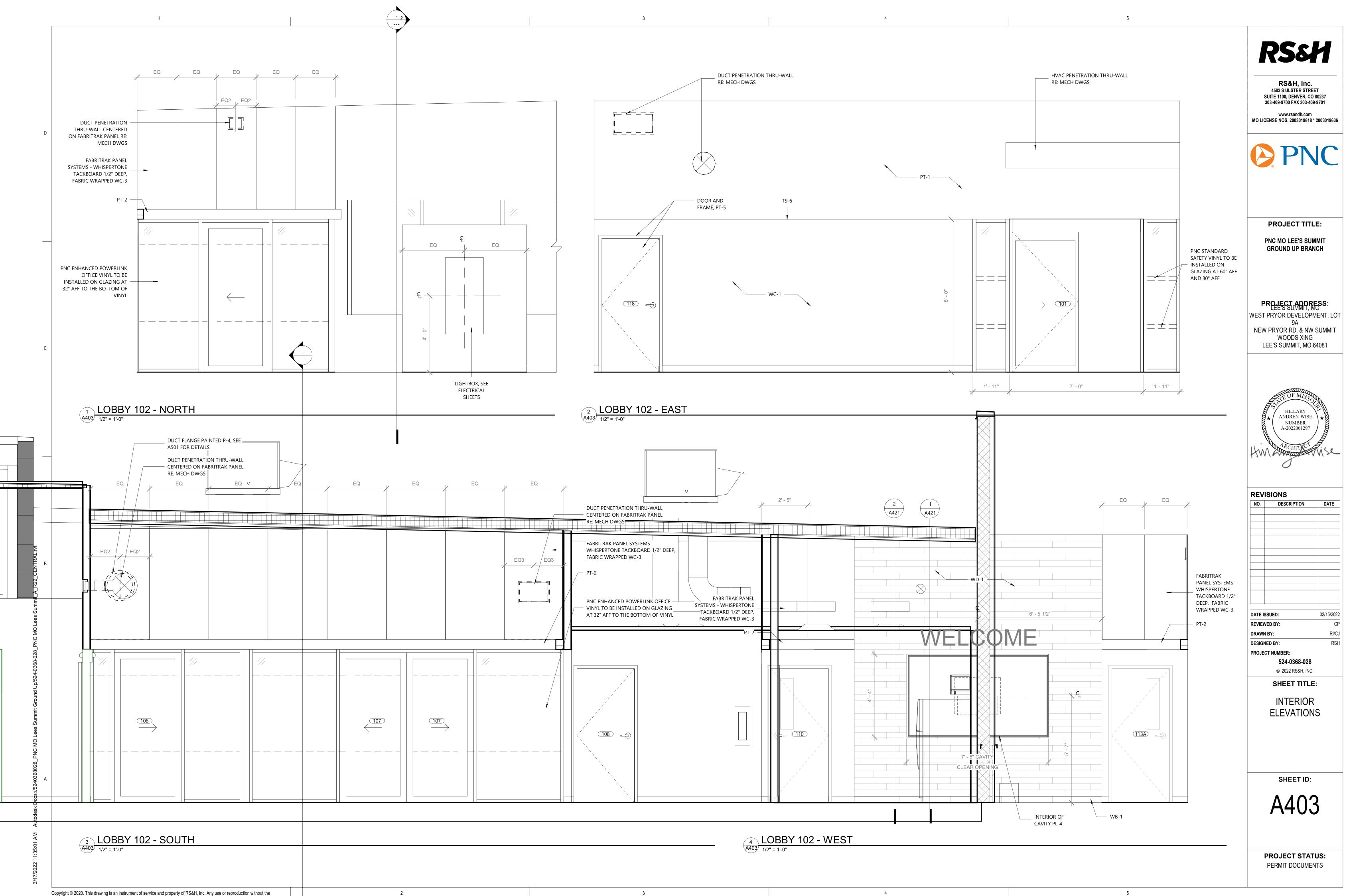
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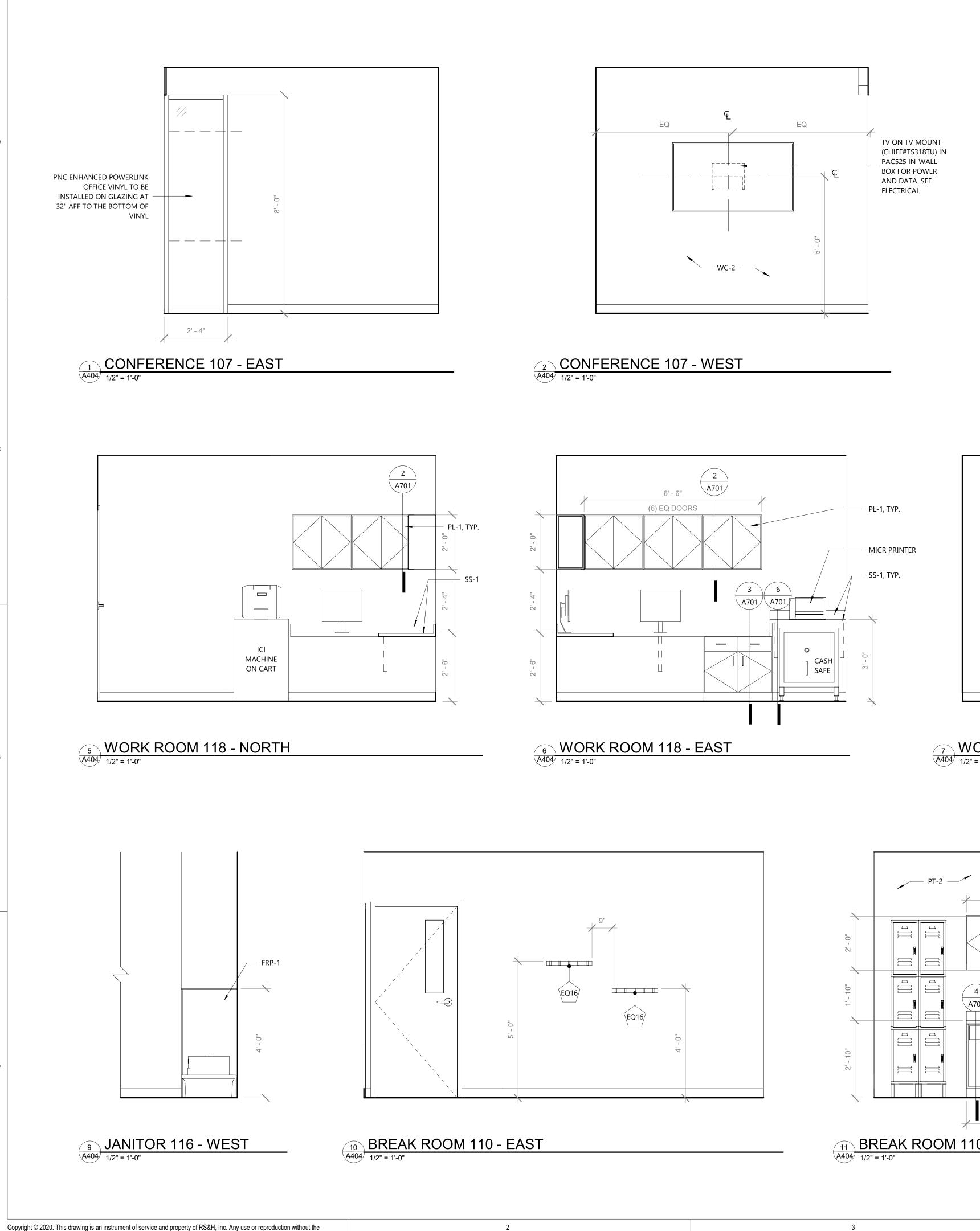
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3



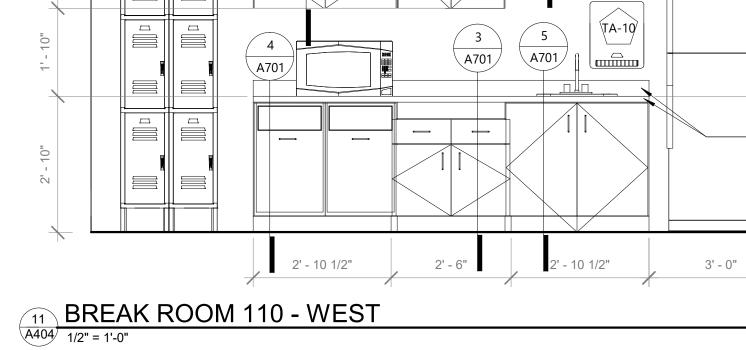






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1



WORK ROOM 118 - SOUTH

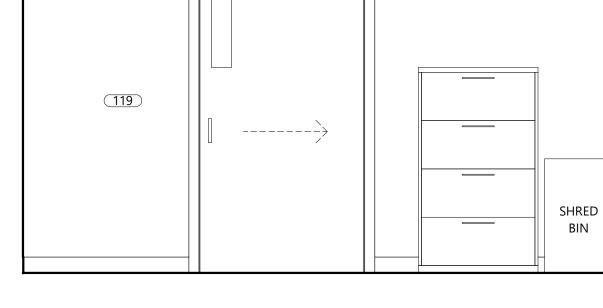
5' - 3"

(4) EQ DOORS

A404 1/2" = 1'-0"

2

A701



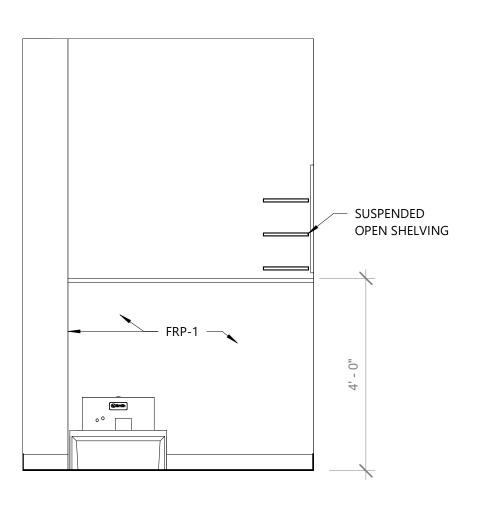
(1) (A701)

6' - 0"

(4) EQ DOORS

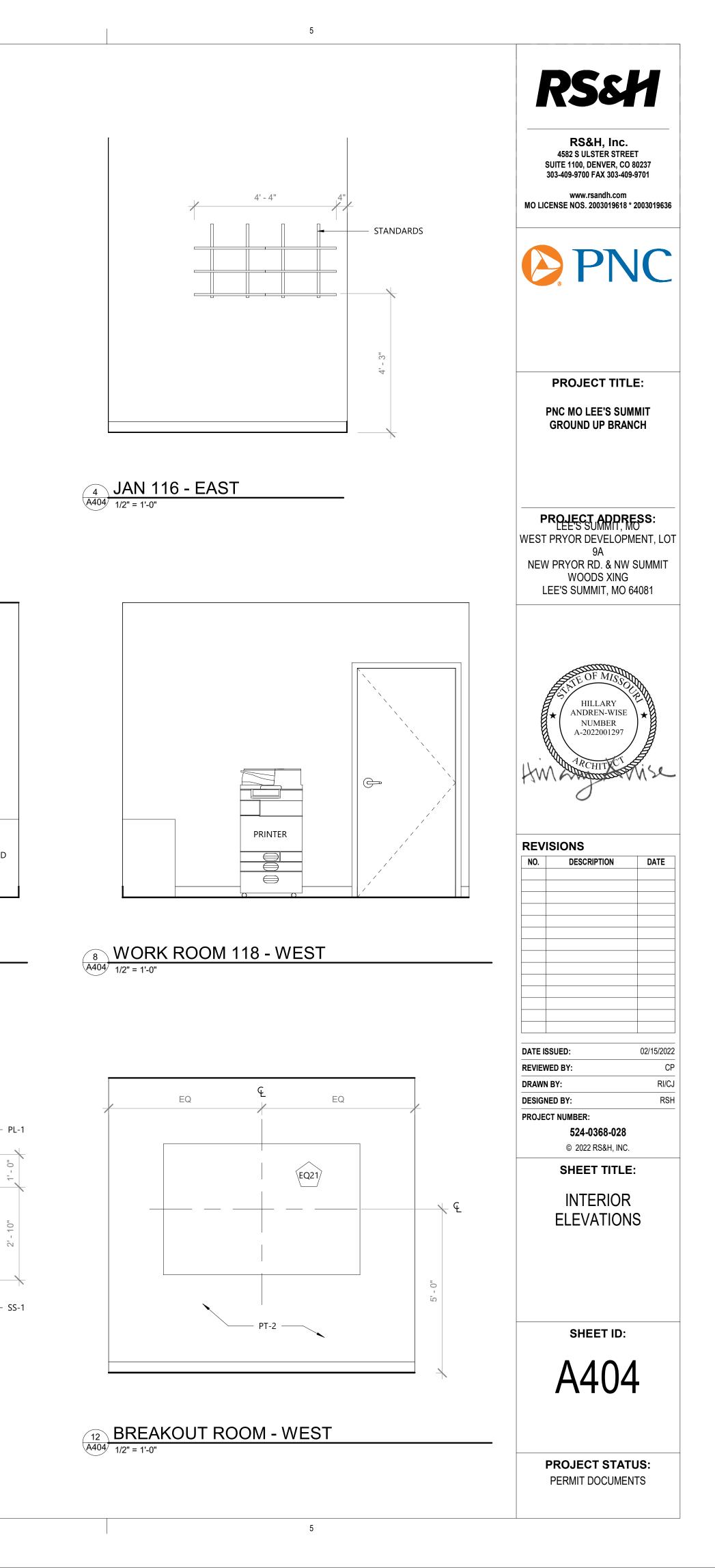
4

3 JAN 116 - NORTH

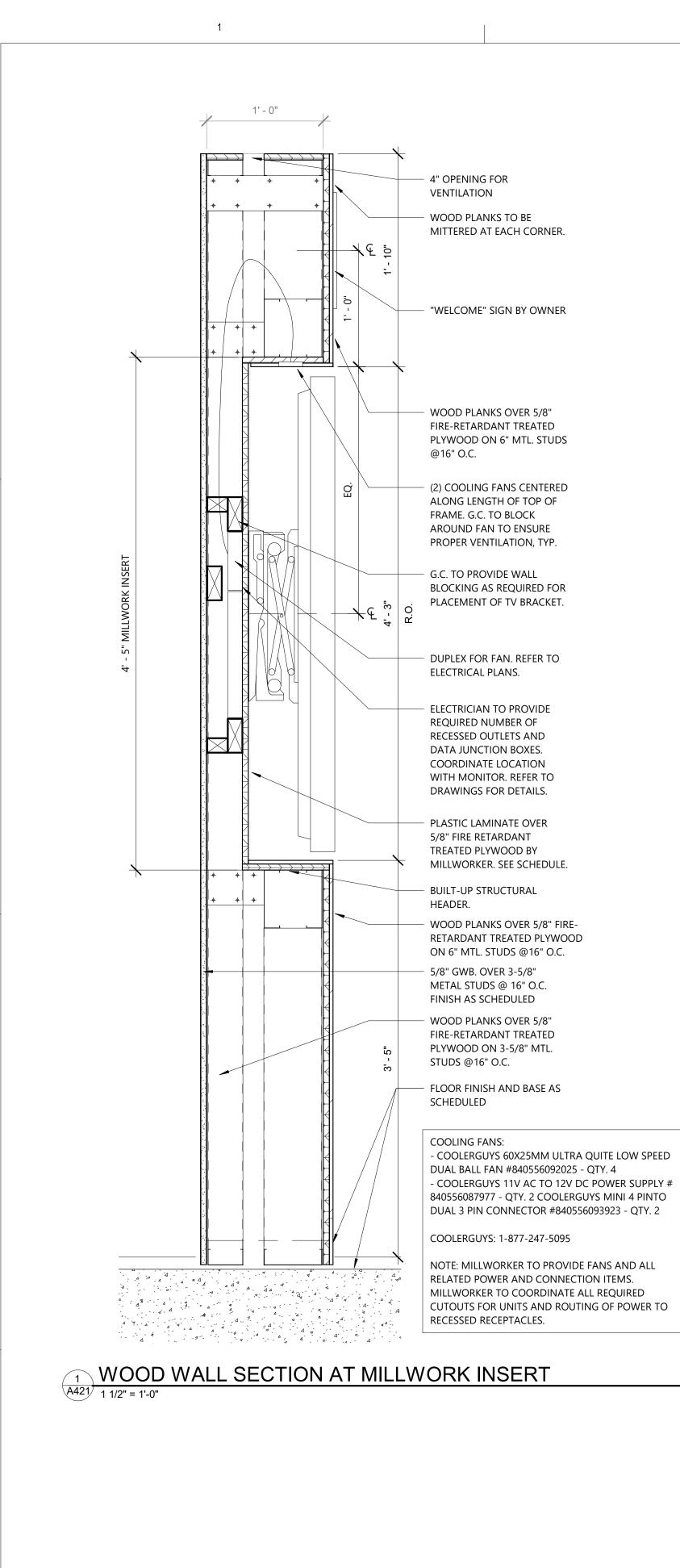


4

3 I



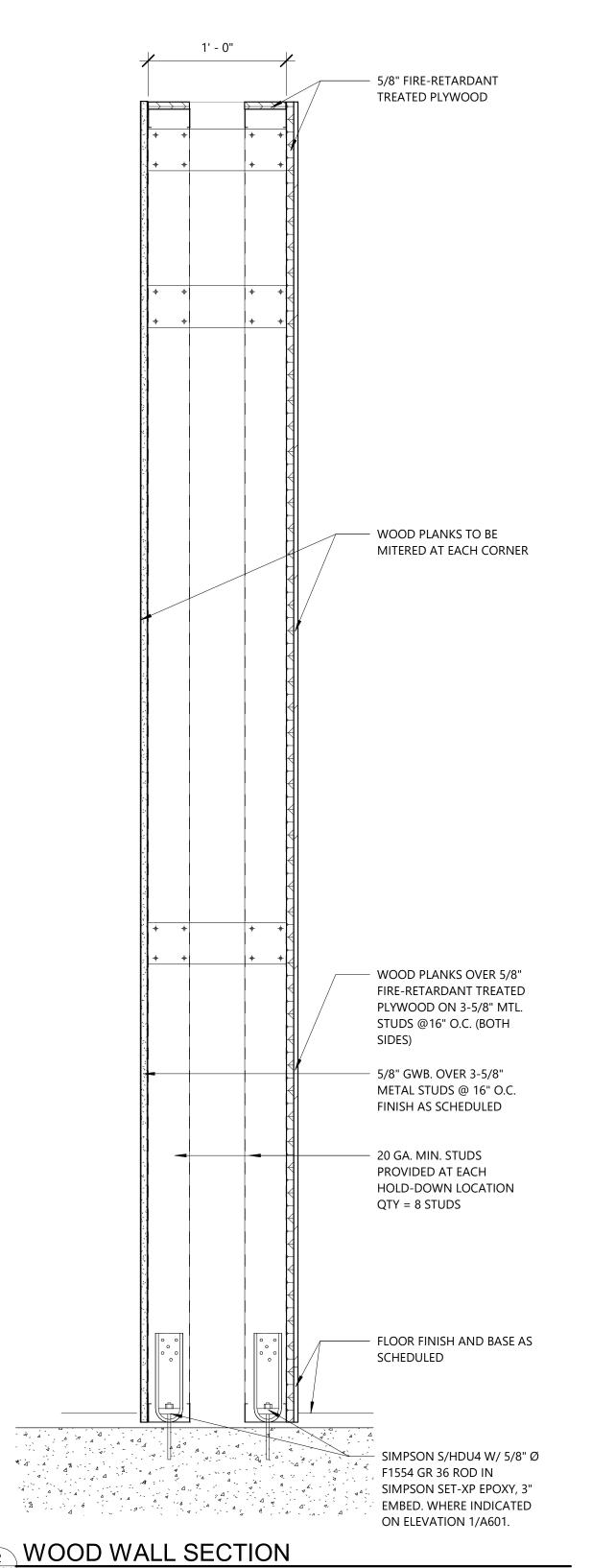
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2



2



3

3

- PARTITION AS SCHEDULED ELECTRICIAN TO PROVIDE REQUIRED NUMBER OF RECESSED OUTLETS AND DATA JUNCTION BOXES. COORDINATE LOCATION WITH MONITOR. REFER TO ELECTRICAL DRAWINGS FOR DETAILS. _____ MONITOR ON TV MOUNT (CHIEF #TS318TU) ON IN-WALL BOX (CHIEF #TA501) PROVIDED BY PNC. INSTALLED BY G.C. G.C. TO PROVIDE WALL BLOCKING AS REQUIRED. FOR PLACEMENT OF TV BRACKET (CONFIRM WITH CDS PRIOR TO CONSTRUCTION). - FLOOR FINISH AND BASE AS SCHEDULED

4

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

4

A421 1 1/2" = 1'-0"

V



5

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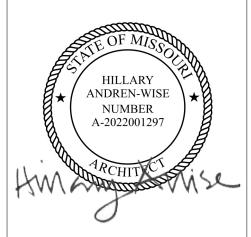


PROJECT TITLE:

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 I	SSUED:	02/15/2022
REVIE\	NED BY:	SLC
DRAW	N BY:	PAF
DESIG	NED BY:	RS&H
PROJE	CT NUMBER:	
	524-0368-028	
	© 2022 RS&H, INC.	

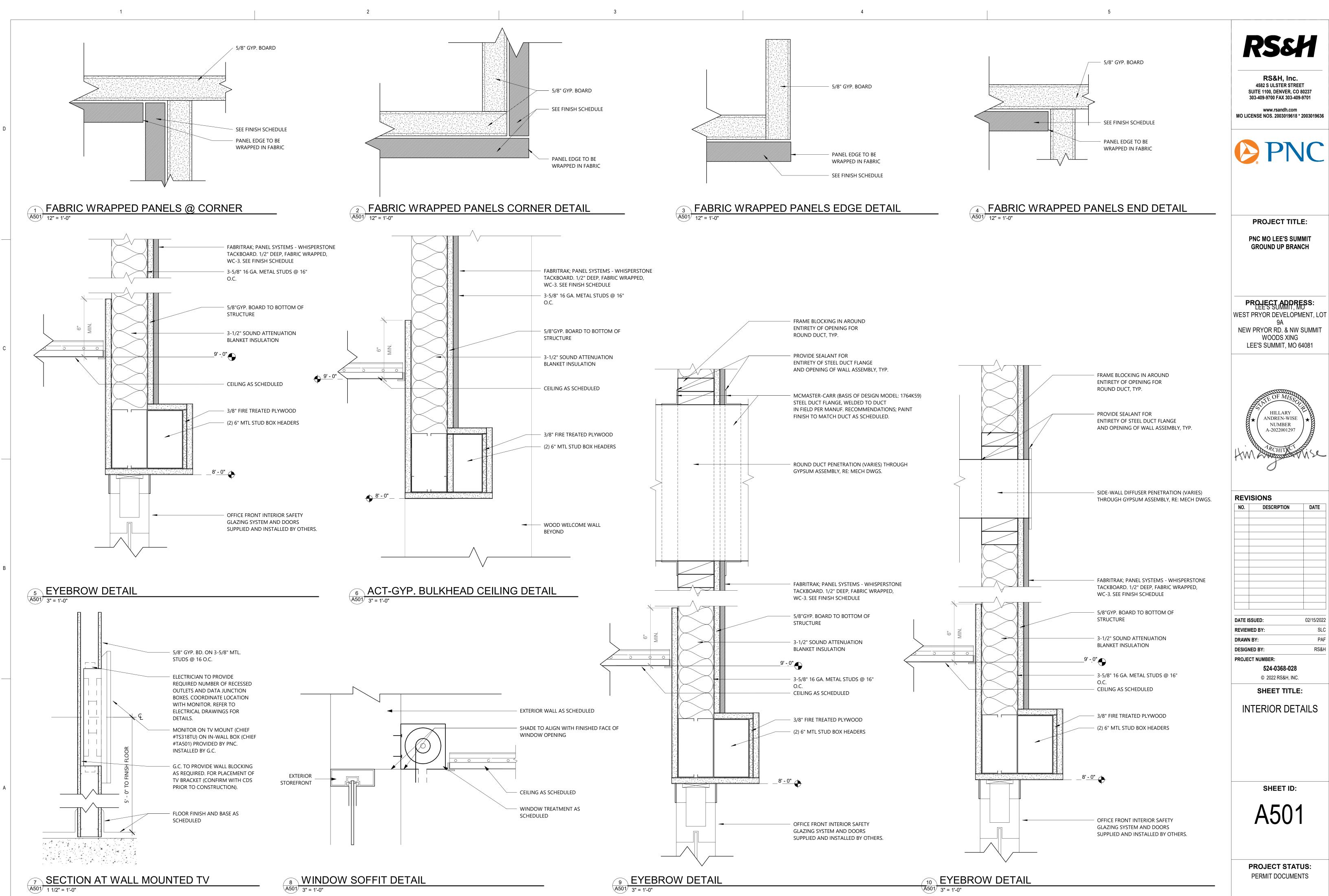
INTERIOR MEDIA WALL SECTIONS

SHEET TITLE:

SHEET ID:



PROJECT STATUS: PERMIT DOCUMENTS

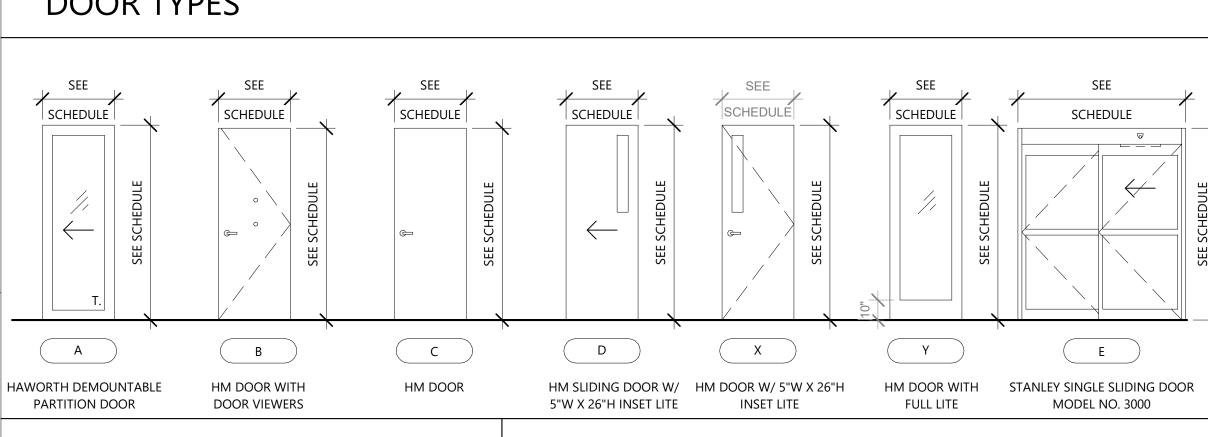


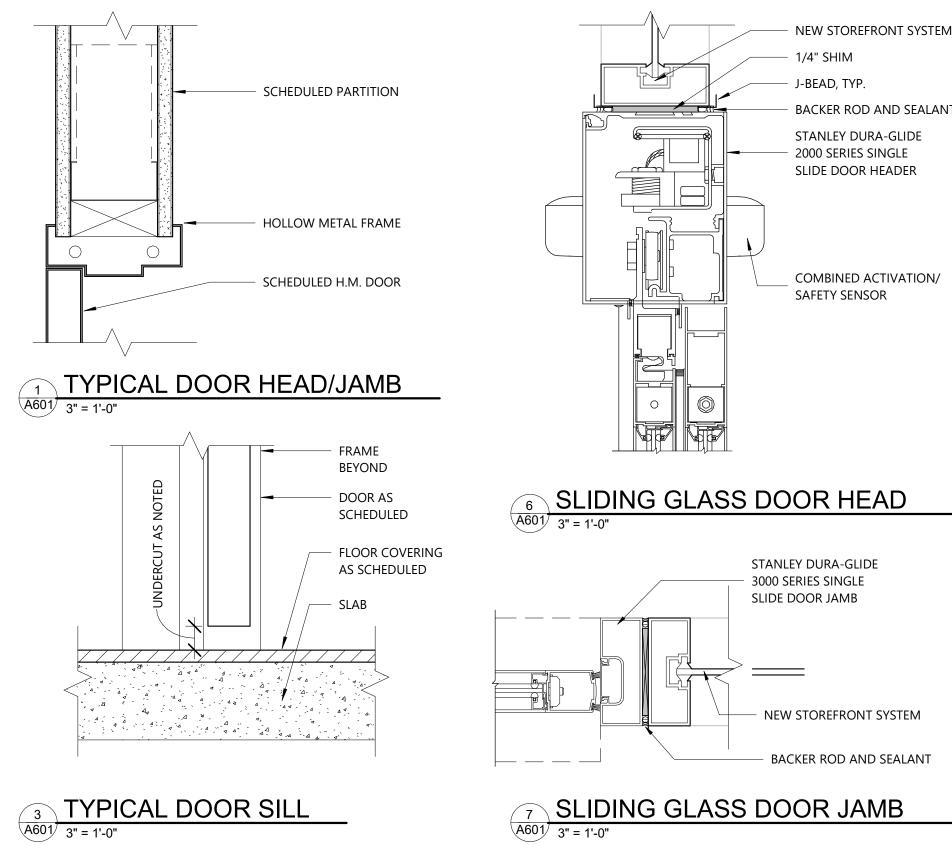
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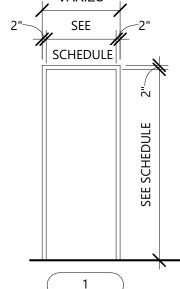
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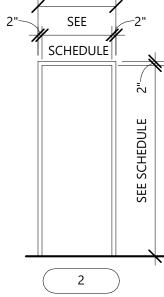
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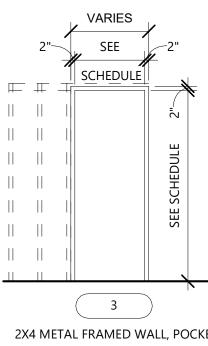
DOOR AND FRAME SCHEDU	JLE			DOOR HARDWA	RE			RS&H
DOOR FROM ROOM TO ROOM WID 100A ATM 6' - 8 100B ATM 6' - 8 100B ATM ATM 6' - 8 101 ATM 6' - 8 101 ATM CHAT LOUNGE COLLABORATION 3' - 106 CHAT LOUNGE CONFERENCE 3' - 107 CHAT LOUNGE CORRIDOR 3' - 108 BREAKOUT ROOM CORRIDOR 3' - 109 FLEX CORRIDOR 3' - 110 BREAK ROOM OFFSTAGE 3' - 111 BREAK ROOM CORRIDOR 3' - 111 BREAK ROOM OFFSTAGE 3' - 111 BREAK ROOM OFFSTAGE 3' - 1112 ELEC / IT ROOM CORRIDOR 3' - 113A CHAT LOUNGE CORRIDOR 3' - 113B CORRIDOR 3' - - 113B CORRIDOR 3' - - 114 CORRIDOR 3' -	DOOR SIZE DOOR DTH HEIGHT THICKNESS TYPE DOOR MATERIAL $1/2"$ $7' - 4"$ $1 3/4"$ E ALUM/GLASS $1/2"$ $7' - 4"$ $1 3/4"$ E ALUM/GLASS $1/2"$ $7' - 4"$ $1 3/4"$ E ALUM/GLASS $6''$ $7' - 10"$ $1 3/4"$ A BY OTHERS $6''$ $7' - 10"$ $1 3/4"$ A BY OTHERS $6''$ $7' - 0"$ $1 3/4"$ A BY OTHERS $0''$ $7' - 0"$ $1 3/4"$ A BY OTHERS $0''$ $7' - 0"$ $1 3/4"$ A BY OTHERS $0''$ $7' - 0"$ $1 3/4"$ A BY OTHERS $0''$ $7' - 0"$ $1 3/4"$ A BY OTHERS $0''$ $7' - 0"$ $1 3/4"$ C HOLLOW METAL $0''$ $7' - 0"$ $1 3/4"$ C HOLLOW METAL $0''$ $7' - 0"$ $1 3/4$	SCHEDULEFRAMEFRAME MATERIALFRAME MATERIALHEADJAMB-ALUM6/A6017/A601-ALUM6/A6017/A601-ALUM6/A6017/A601-aluminum6/A6017/A601-aluminum6/A6017/A601BY OTHERSBY OTHERSBY OTHERSBY OTHERSBY OTHERSBY OTHERSBY OTHERSBY OTHERSBY OTHERS1HOLLOW METAL1/A6011/A6013WOOD1HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A6012INSULATED METAL1HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A6011HOLLOW METAL1/A6011/A601	BY OTHERSBY OTHERSSEE NOTE 'A'3/A6016-	3EAHINGES1EACLOSER (PU1EADOOR STO1EAKICK PLATE3EASILENCERS21EADIGITAL LC3EAHINGES1EACLOSER (PU1EACLOSER (PU1EADOOR STO2EADOOR VIEV1EAKICK PLATE3EASILENCERS31EA41EA41EA41EA41EA41EA1EACLOSER (PU1EA1EA2EA3EA4141EACLOSER (PU1EA3EA4141EACLOSER (PU1EA3EA41EACLOSER (PU1EACLOSER (PU1EACLOSER (PU1EA1EA1EA1EA1EA1EA1EA1EA1EA1EA1EA1EA1EA1EA1EA1EA1E	DP (FLOOR MOUNTED)FS436FE (PUSH SIDE)8400 12"x34" B4E CSSBY FRAME MANUFACTURDOCKSETDL2700IC (SFIC/LESS CORBB81 4.5"x4.5" 26DPULL SIDE)SC71 RW/PA TBDP (FLOOR MOUNTED)FS436DV (FLOOR MOUNTED)FS436WERDS2000SE (PUSH SIDE)8400 12"x34" B4E CSSBY FRAME MANUFACTURDM LOCKSETALX70BD BRW (C-KEYWAYBB81 4.5"x4.5" 26DPULL SIDE)SC71 RW/PA TBDP (FLOOR MOUNTED)FS436WERDS2000SE (PUSH SIDE)8400 12"x34" B4E CSSBY FRAME MANUFACTURDM LOCKSETL9080B81 4.5"x4.5" 26DCM LOCKSETL9080B81 4.5"x4.5" 26DDM LOCKSETL9080B81 4.5"x4.5" 26DCM LOCKSETL9080B81 4.5"x4.5" 26DPULL SIDE)SC71 RW/PA TBDP (FLOOR MOUNTED)FS436E (PUSH SIDE)SC71 RW/PA TBDP (FLOOR MOUNTED)FS436E (PUSH SIDE)SC71 RW/PA TBDP (FLOOR MOUNTED)FS436E (PUSH SIDE)8400 12"x34" B4E CS	E) 26D ALARM LOCK 26D PBB ALUM FALCON 26D IVES ALUM DOORSCOPE 32D IVES ER Y) 626 SCHLAGE 26D PBB ALUM FALCON 26D IVES ALUM DOORSCOPE 32D IVES ER 626 SCHLAGE ALUM DOORSCOPE 32D IVES ALUM DOORSCOPE 32D IVES ER 626 SCHLAGE 32D IVES ALUM FALCON 26D IVES ALUM FALCON 26D IVES 32D IVES ER	OOMS OOM OOR FOR CARD ACCESS VIA E LOCKSET, EPT-10 HINGE OOM	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 * 2003019
117 CHAT LOUNGE HUB 3' - 118 WORK ROOM CHAT LOUNGE 3' - 119 STORAGE WORK ROOM 3' - DOOR TYPES	0" 7' - 0" 1 3/4" B HOLLOW METAL	BY OTHERS BY OTHERS BY OTHERS BY OTHERS 1 HOLLOW METAL 1/A601 1/A601 3 WOOD FRAME TY	3/A601 2 SEE NOTES 'B' AND 'C' - 9 FIRE RATED TREATED HEADER	6 1 EA KICK PLATE	DP (FLOOR MOUNTED) FS436 (PUSH SIDE) S BY FRAME MANUFACTUR L1021 (SFIC/LESS CORE)	26D PBB ALUM FALCON PREP DC 26D IVES 32D IVES ER 26D ALARM LOCK PRIVATE	ROOM OOR FOR CARD ACCESS VIA E LOCKSET, EPT-10 HINGE OFF-STAGE OFFICE	PROJECT ADDRESS: LEE'S SUMMIT, MO WEST PRYOR DEVELOPMENT, 9A NEW PRYOR RD. & NW SUMM WOODS XING
SEE SCHEDULE T. T.	SEE SCHEDULE SCHEDULE BEE SCHEDULE SEE SCHEDULE SEE SCHEDULE SEE SCHEDULE SEE SCHEDULE	SEE 2" SEE 2	VARIES 2" SEE 2" VARIES 2" SEE 2" SEE 2" SEE 2" SCHEDULE T H H H H H H H H H H H H H H H H H H H	1 EA VISION LIG 3 EA SILENCERS 7 1 EA LOCKSET 3 EA HINGES 1 EA CLOSER (PU 1 EA DOOR STO 3 EA SILENCERS 8 HINGES AS 1 EA ELECTRIC H 1 EA ELECTRIC E 1 EA POWER SU	TEMPERED GLASS BY FRAME MANUFACTUR L1021 (SFIC/LESS CORE BB81 4.5"x4.5" 26D SC71 RW/PA TB DP (FLOOR MOUNTED) FS436 S BY FRAME MANUFACTUR S REQUIRED HINGE BB81 4.5"x4.5" EL2+4 EXIT EL25R EO (3'-0") JPPLY PS902 x 900-2RS DSER (PUSH SIDE) SC71 RW/PA TB LD (METAL) EEP) 26D ALARM LOCK CORRIDO 26D PBB ALUM FALCON 26D IVES		LEE'S SUMMIT, MO 64081
A B C HAWORTH DEMOUNTABLE HM DOOR WITH PARTITION DOOR DOOR VIEWERS HM DOOR STOREFRONT SYSTEM NOTE	5"W X 26"H INSET LITE INSET LITE FULL		2 3 RAME INSULATED METAL DOOR FRAME 2X4 METAL FRAMED WALL, POCI DOOR FRAME DOOR FRAME W/ CASED OPENI	KET 1 EA ALARM 1 EA CYLINDER 1 EA DUIL BAR (PG21 HOUSING 80-102 (PUSH SIDE) 1732 ET FRAME KIT 1500SC 2X4 STUD WALL	MS ALARM LOCK 626 SCHLAGE TRIMCO - JOHNSON STORAG 26D IVES	E / OFF STAGE	NO. DESCRIPTION DAT
 CURTAINWALL SYSTEM: BASIS OF DESIGN IS KAWNEER 7525 SERIES CURTAINWALL SYSTEM OR APPROVED EQUAL. SYSTEM IS DOUBLE GLAZEX 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 LIRE: CLASS 1 CLEAR FLOAT GLASS WITH COATED VISION-GLASS REQUIREMENTS. KIND FG (ANNEALED) INDOOR LITE: CLASS 1 CLEAR FLOAT GLASS KIND FG (ANNEALED) INDOOR LITE: CLASS 1 CLEAR FLOAT GLASS KIND FG (ANNEALED) INDOOR LITE: CLASS 1 CLEAR FLOAT GLASS KIND FG (ANNEALED) UNDOOR LITE: CLASS 1 CLEAR FLOAT GLASS KIND FG (ANNEALED) UNDOOR LITE: CLASS 1 CLEAR FLOAT GLASS KIND FG (ANNEALED) INDOOR LITE: CLASS 1 CLEAR FLOAT GLASS KIND FG (ANNEALED) SOLAR HEAT GAIN: 0.27 MAXIMUM (GLASS ONLY) SHADING COEFFECIENT: 0.31 MAXIMUM 	SCHEDULED PARTITION HOLLOW METAL FRAME SCHEDULED H.M. DOOR TYPICAL DOOR HEAD/JAMB A601 3" = 1'-0" FRAME BEYOND DOOR AS SCHEDULED FLOOR COVERIN AS SCHEDULED FLOOR COVERIN AS SCHEDULED	STANLEY DURA-GLIDE 3000 SERIES SINGLE SLIDE DOOR JAMB	D SEALANT GLIDE GLE DER	 FINISHED AS SPECIFIED ON PLAN 2. THE EXISTING BUILDING STANDAR CONTRACTOR. 3. NEW BUILDING STANDARD VENE SUBMIT SAMPLES TO BUILDING O 4. ALL DOORS AND DOOR HARDWA WHERE SPECIFICALLY NOTED OTH EXISTING DOORS, FRAMES, AND AND/OR REPAIRED AS REQUIRED 5. BUILDING STANDARD DOORS AR BUILDING STANDARD VENEER IS 6. BUILDING STANDARD VENEER IS 6. BUILDING STANDARD FRAMES A STANDARD FINISH IS < DARK BRO TO MATCH EXISTING BUILDING S 7. ALL HARDWARE SHALL MATCH B HARDWARE IS < SCHLAGE AL-SER ALUMINUM/CHROME/BRONZE> 8. ALL DOORS, FRAMES, AND HARD MATERIAL, AND OPERATION SHA 9. ALL KEYING SHALL BE BY GENERA REQUIRED FOR THIS PROJECT WI 10. G.C. IS TO EXAMINE EXISTING DO FOR THE PROTECTION OF THESE THE CONSTRUCTION PERIOD. G.O OWNER IN WRITING AT TIME OF SUPPLIED OUT OF OWNER'S STOO TO THE WORK AREA. 11. DOOR ASSEMBLIES SHALL BE FIRIL LOCAL BUILDING CODE. 12. G.C. SHALL PROVIDE MATCHING 	ARD DOOR LEAVES ARE TO BE TOUCHED-UP BY THE EER DOOR LEAVES SHALL MATCH EXISTING. OWNER FOR APPROVAL. ARE SHALL BE BUILDING STANDARDS EXCEPT HERWISE ON DRAWINGS OR SPECIFICATIONS. ANY HARDWARE TO BE REUSED SHALL BE TOUCHED UP O TO "LIKE NEW" CONDITION. RE <3'-0" X 8'-0" X 1-3/4" > FLUSH SOLID CORE. 5 <per letter="" work=""> TO MATCH EXISTING. RE <versatrac aluminum=""> FRAMES. BUILDING ONZE >. PROVIDE SILENCER(S) AND SOUND SEALS STANDARDS. BUILDING STANDARD. BUILDING STANDARD RIES > HARDWARE WITH <brushed FINISH. DWARE, INCLUDING THOSE OF DIFFERING SIZE, ALL BE SUPPLIED BY THE CONTRACTOR. AL CONTRACTOR. VERIFY THE NUMBER OF KEYS ITH THE OWNER. DORS AND HARDWARE AND TAKE RESPONSIBILITY DOORS AND HARDWARE FOR THE DURATION OF .C. SHALL REPORT CONDITION OF DOORS TO 5 ACCEPTANCE. G.C. SHALL TRANSPORT DOORS OCK (IF ANY) FROM SPACE WITHIN THIS BUILDING RE RATED ("LABELED") WHEN REQUIRED BY THE DOOR LEAVES AT ALL PAIRS OF DOORS.</brushed </versatrac></per>	SIGNAGE DETA ** COORDINATE ALL SIGNAGE DESIGN PLACEMENT WITH SIGNAGE VENDOR	AND FINAL	DATE ISSUED: 02/15/ REVIEWED BY: 02/15/ REVIEWED BY: 02/15/ REVIEWED BY: FR DESIGNED BY: FR PROJECT NUMBER: 524-0368-028 © 2022 RS&H, INC. SHEET TITLE: DOOR SCHEDULE, DOOR SCHEDULE, DOOR SCHEDULE, DOOR TYPES AND NOTES
	3 TYPICAL DOOR SILL A601 3" = 1'-0"	7 SLIDING GLASS DOOR JAME A601 3" = 1'-0"	ALANT	GRAIN AND COLOR. 13. G.C. TO PROTECT PREFINISHED D CONSTRUCTION PERIOD. DOORS SUBCONTRACTOR'S WORK DURIN BY THE G.C. 14. BIDDING CONTRACTORS SHALL V	THAT ARE DAMAGED AS A RESULT OF HIM OR HIS ING THIS PERIOD SHALL BE REPAIRED OR REPLACED VERIFY ALL INFORMATION IN REGARDS TO DOOR RDS (SIZES, VENEERS, FRAME TYPES, ETC.) AND		ENTERED ON FACTILE CHARACTERS	PROJECT STATUS PERMIT DOCUMENTS



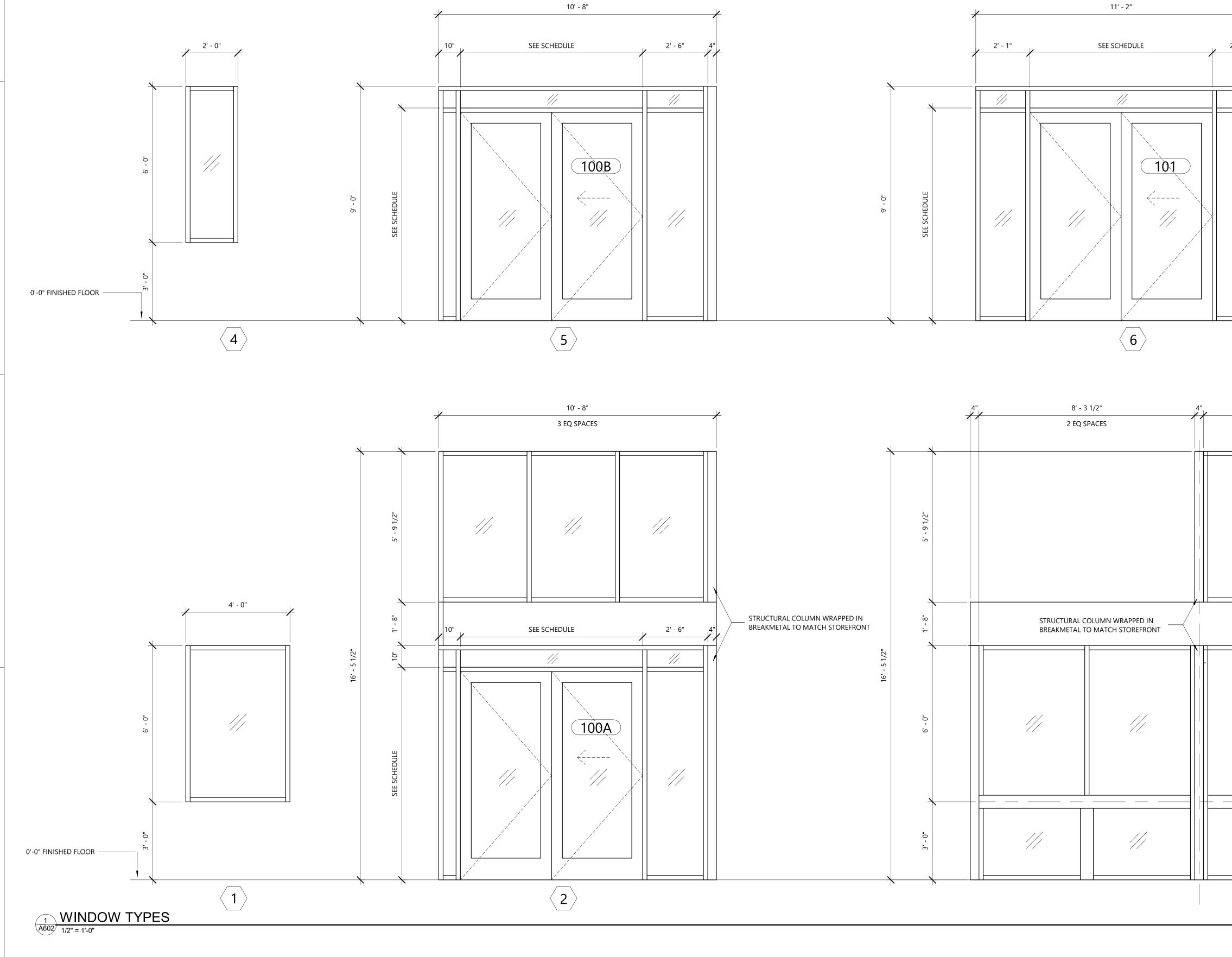












2



GLAZING *BASIS OF DESIGN: VITRO ARCHITECTURAL GLASS - SOLARBAN 70 LOW-E WITH STARPHIRE ULTRA-CLEAR GLASS

GL-1 1" TEMPERED INSULATED GLAZING

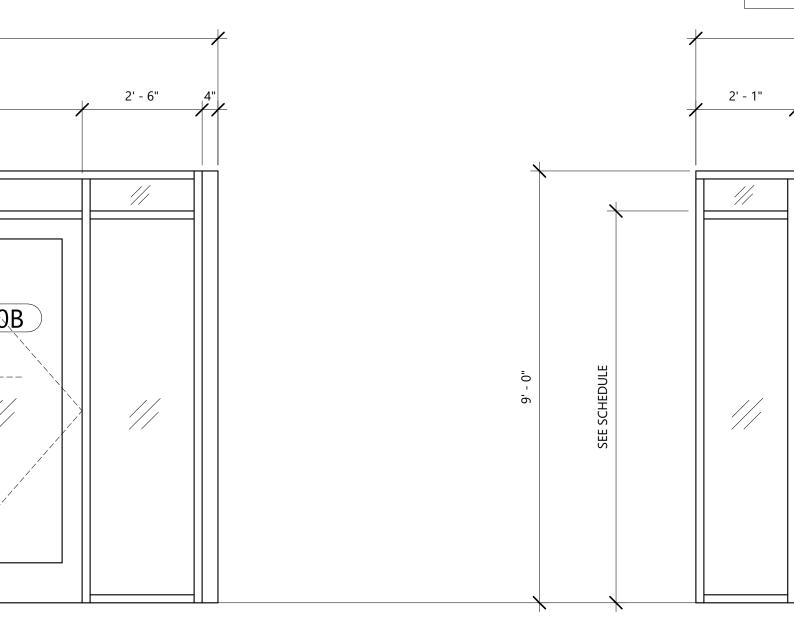
ALUMINUM GLAZING FRAMES

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.

4



3

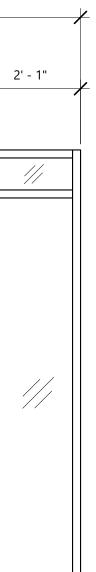
3



2

EXTERIOR GLAZING SCHEDULE

5

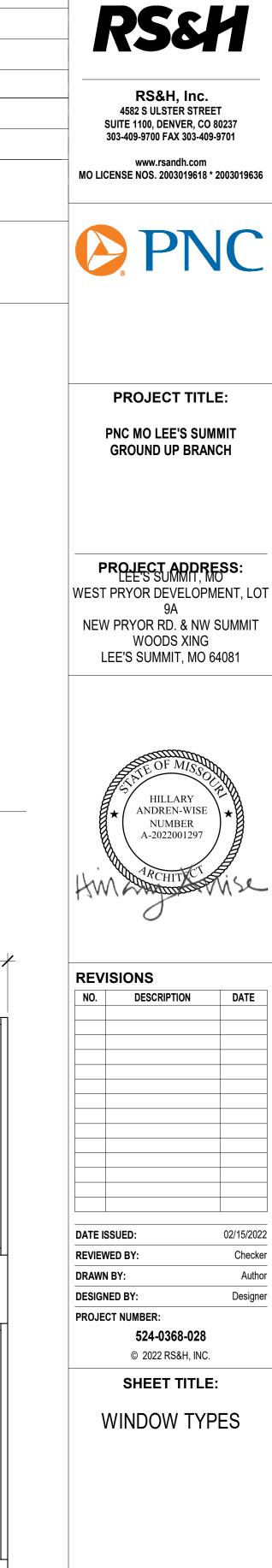


14' - 11 1/2"						
4 EQ SPACES						
///						
			· · · ·			

5

3	

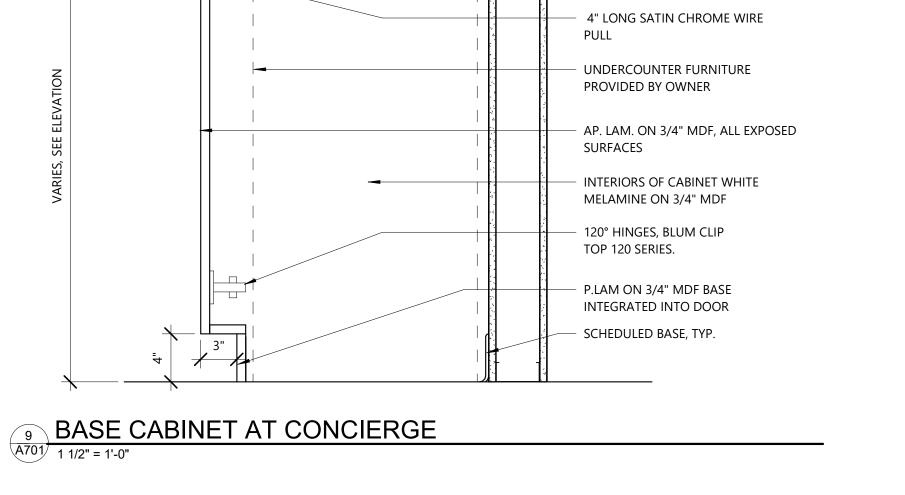
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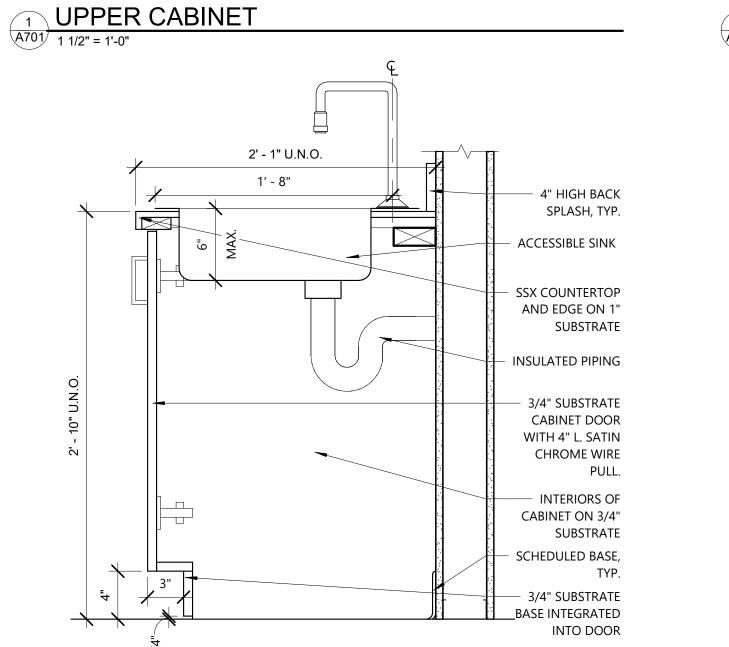


SHEET ID:



PROJECT STATUS: PERMIT DOCUMENTS





2' - 1"

1

1' - 0 3/4"

10 3/4"~

CLEAR

ELEV

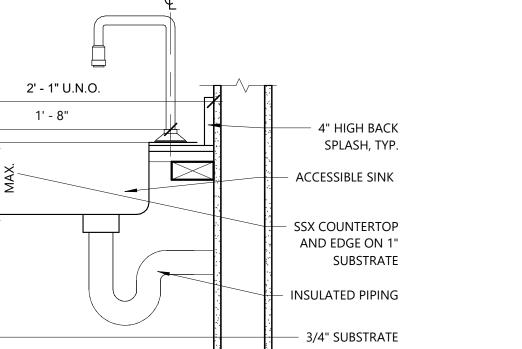
田

SINK BASE

R1/4" -

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A701 1 1/2" = 1'-0"



SCHEDULED

PARTITION

120 SERIES

SUBSTRATE

120° HINGES, BLUM CLIP TO

INTERIOR OF CABINETS -

WHITE MELAMINE ON 3/4"

3/4" SUBSTRATE CABINET,

WITH (2) ROWS OF CLEATS.

SECURED TO PARTITION

PROVIDE BLOICKING IN

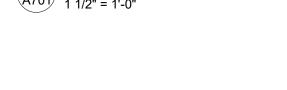
TO COORDINATE.

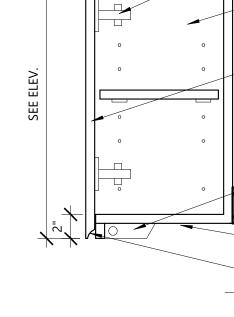
4" FINGER PULL

EDGES

WALLS AS REQUIRED. G.C.

FINISH TO UNDERSIDE AND

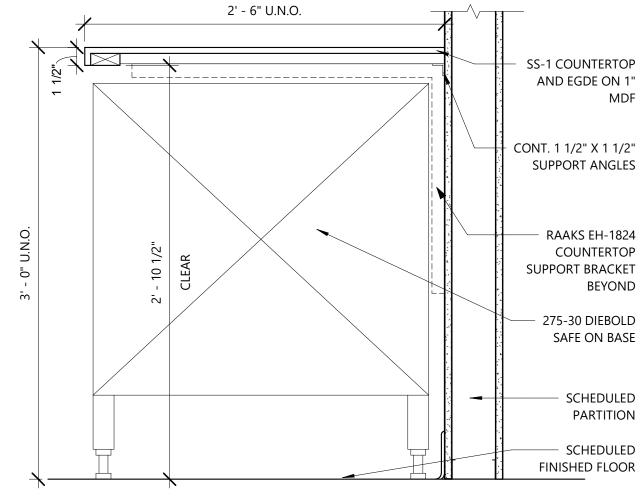




1' - 0 3/4"

2

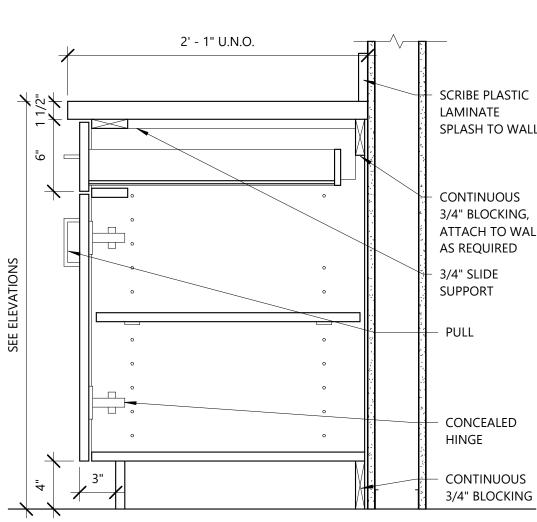
UPPER CABINET A701 1 1/2" = 1'-0"

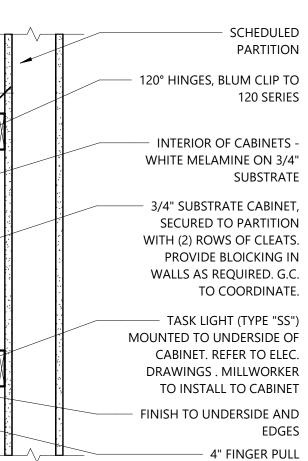




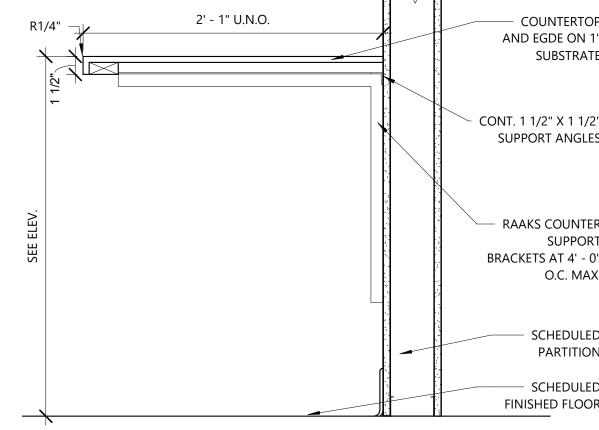
SS-1 COUNTERTOP AND

EDGE ON 1" MDF

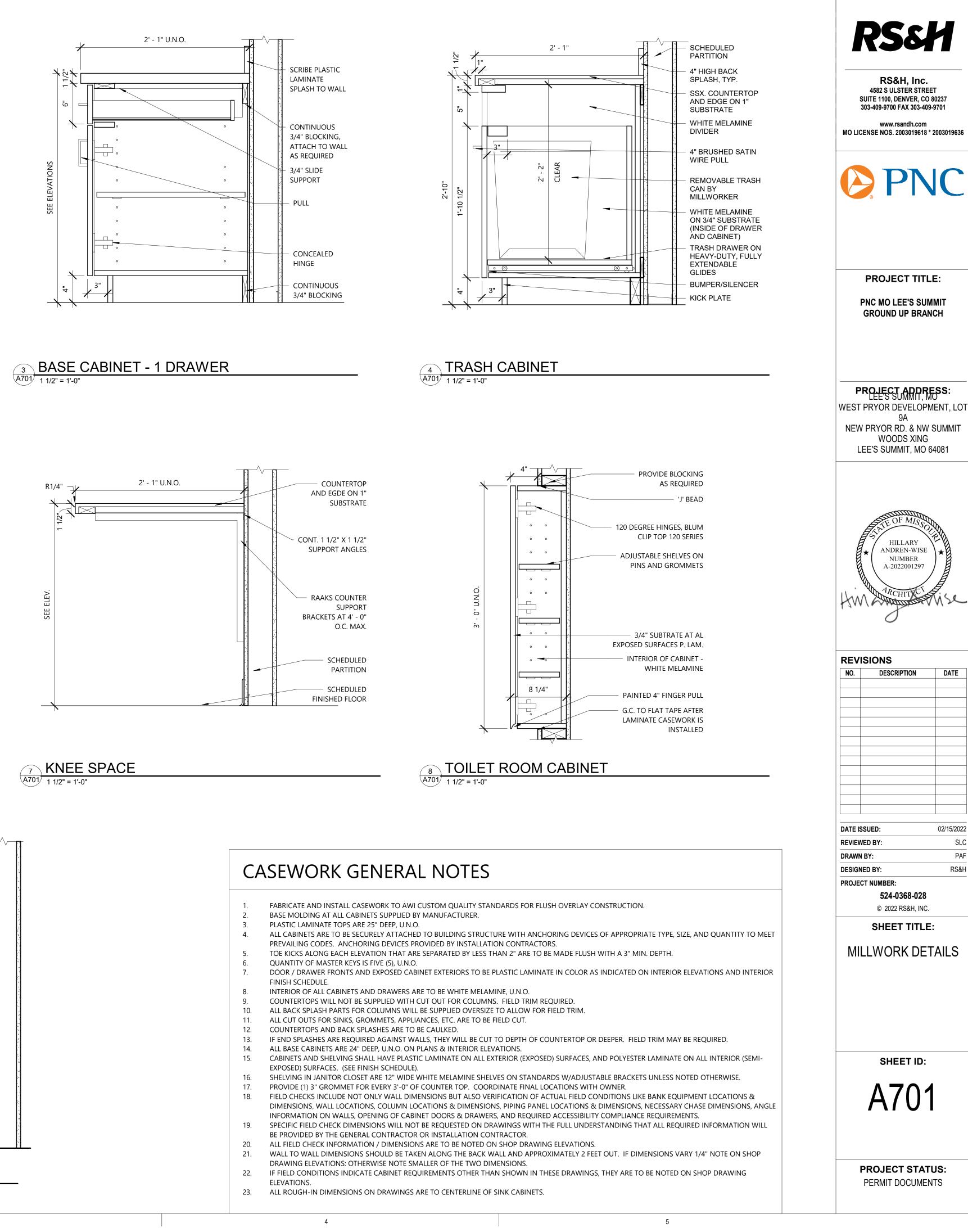




3







5

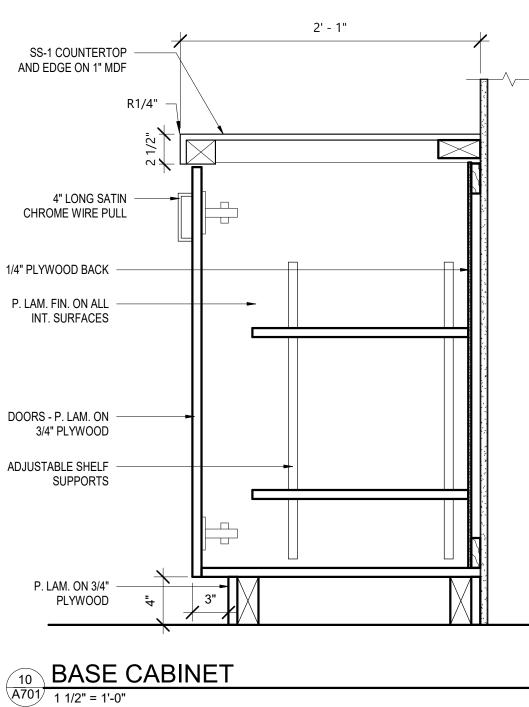
DATE

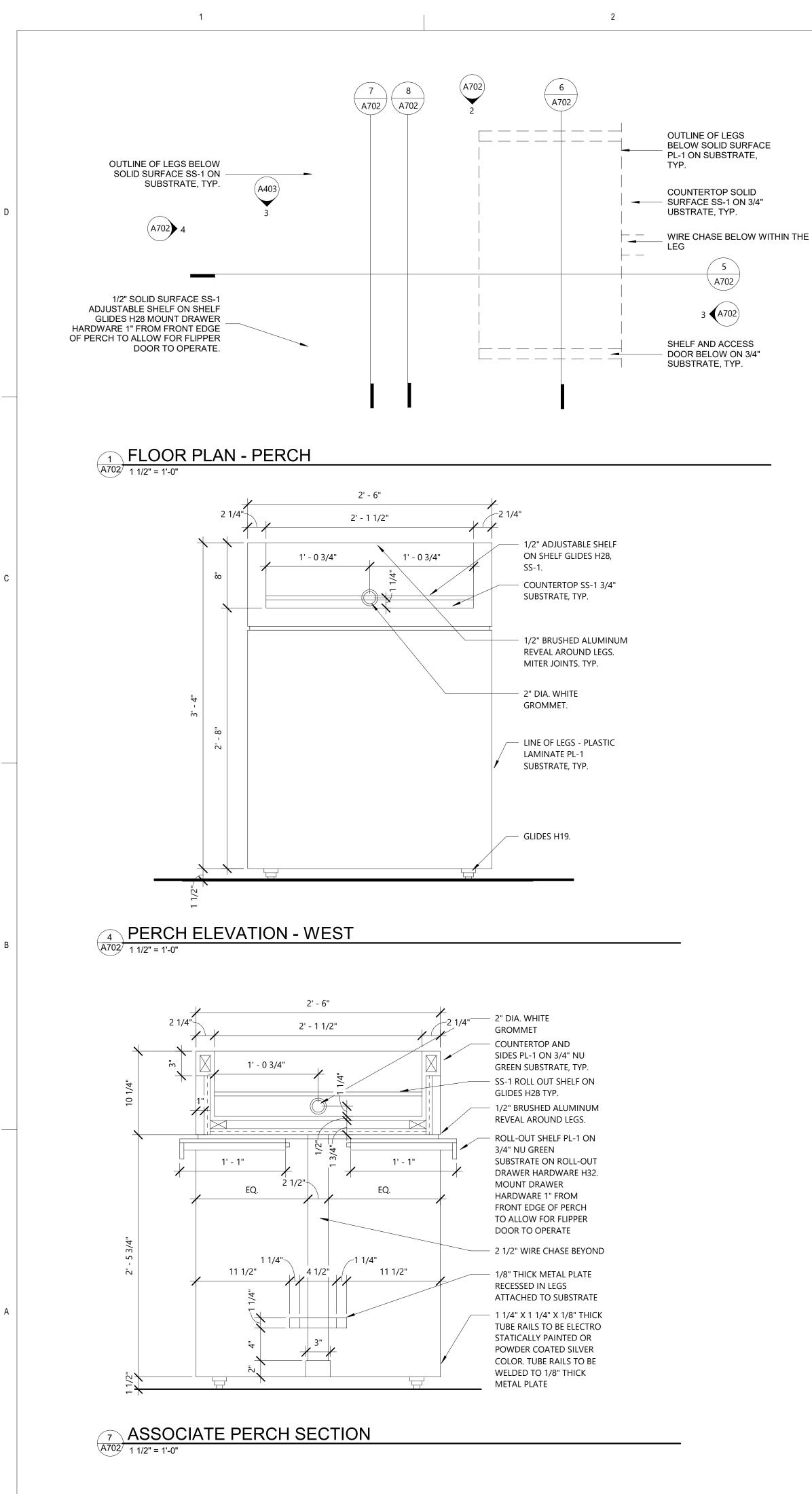
02/15/2022

SLC

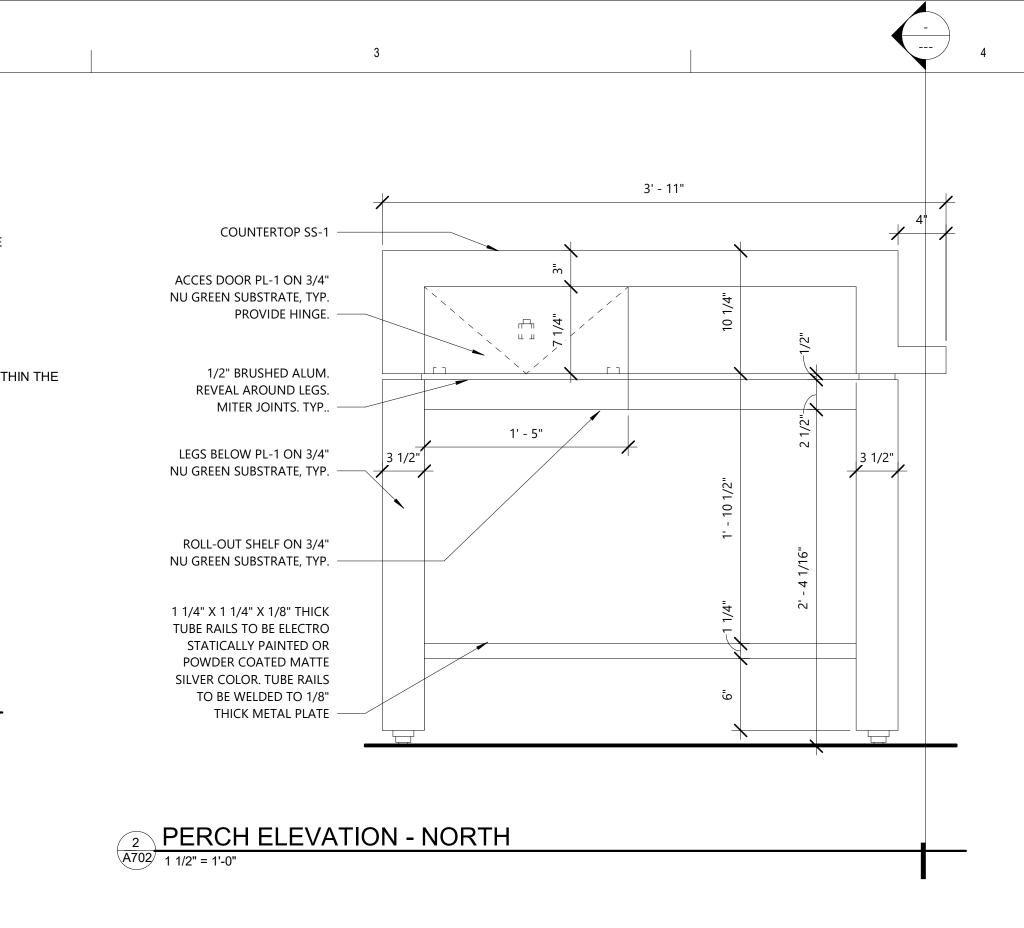
PAF

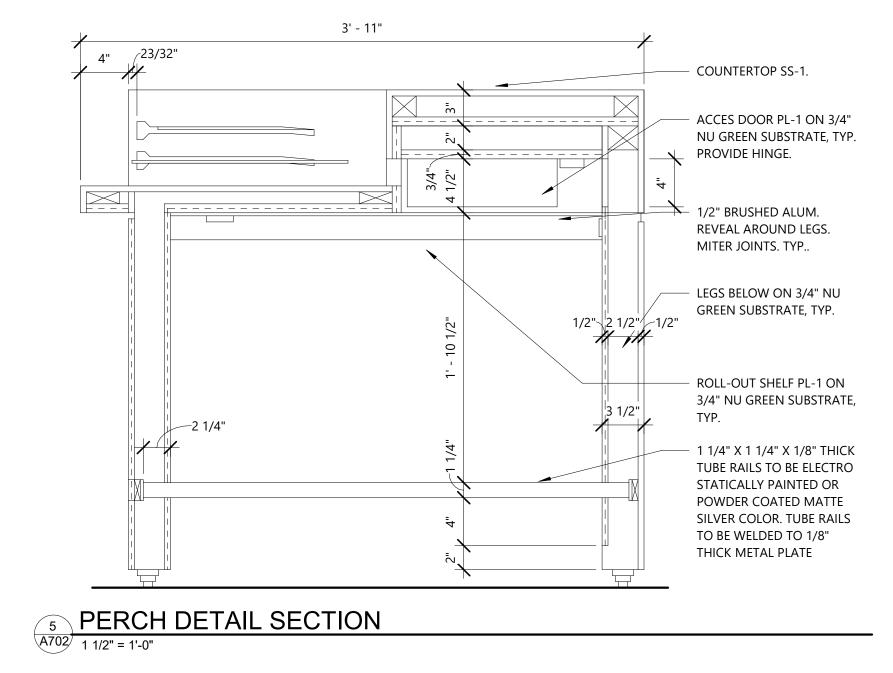
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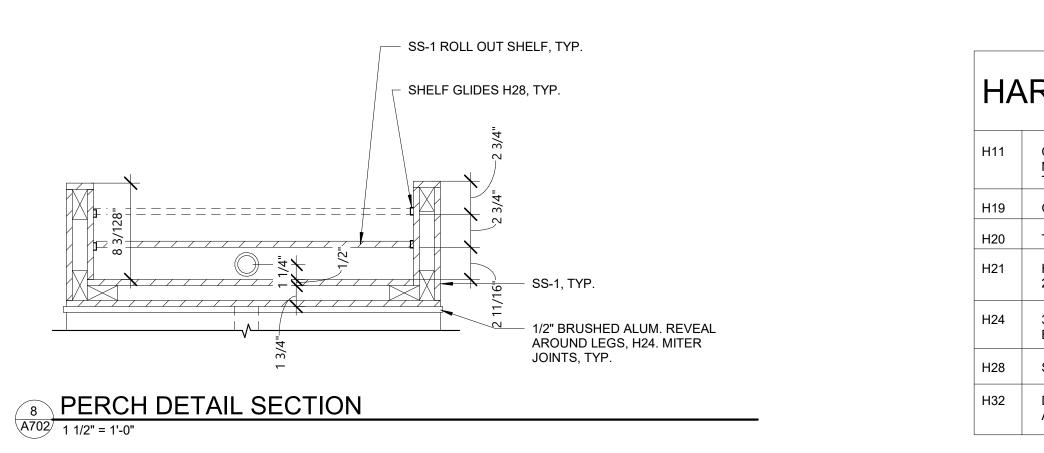




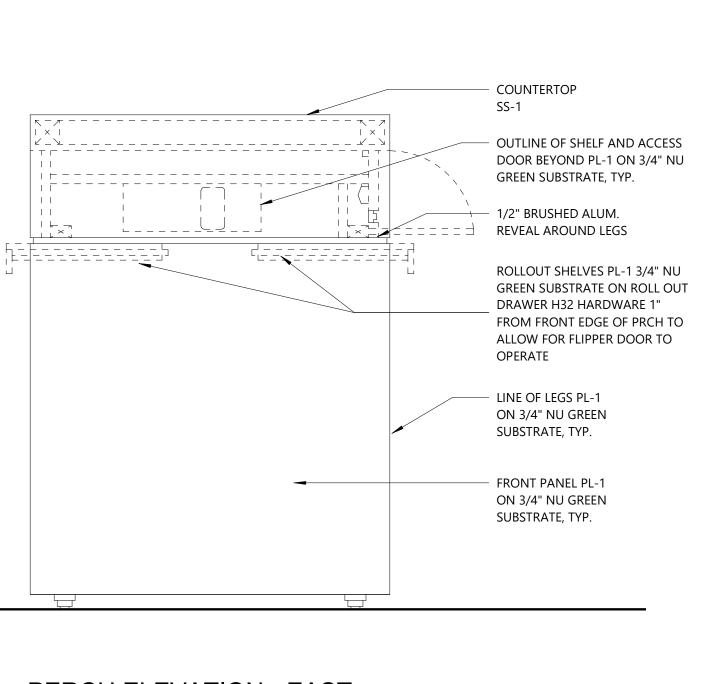
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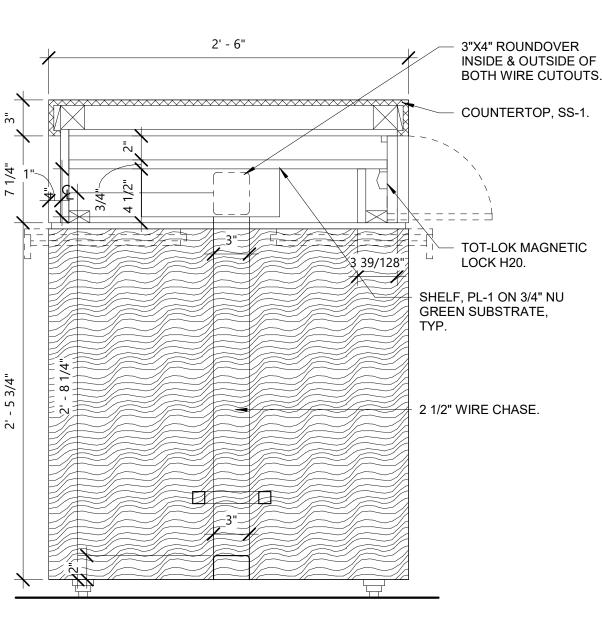


3



5

3 PERCH ELEVATION - EAST



6 ASSOCIATE PERCH SECTION

HARDWARE SCHEDULE

CPU BRACKET - DOUG MOCKETT CPUIA 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.

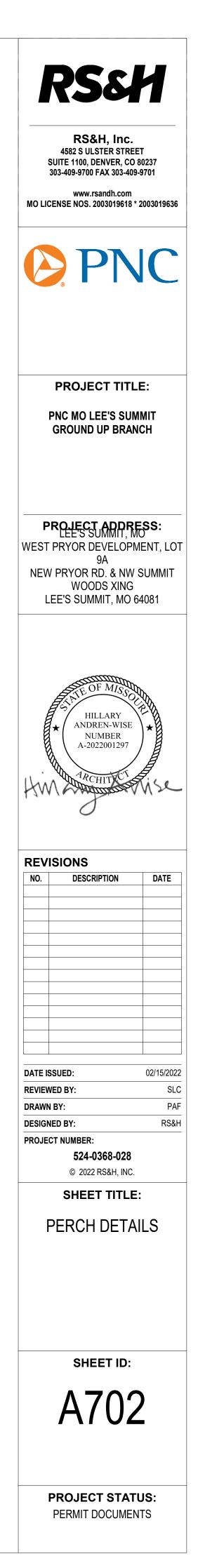
GLIDES - MOMASTER CARR - BALL TRANSFER #64GOK45

TOT-LOK MAGNETIC LOCK BY REV A SHELF, MODEL #TL13401-R BY MILLWORKER HINGE - 90 DEGREE FLAP HINGE WITH 35 MM CUP BY GRASS AMERICA INC. 210.735.04.0015 BY MILLWORKER

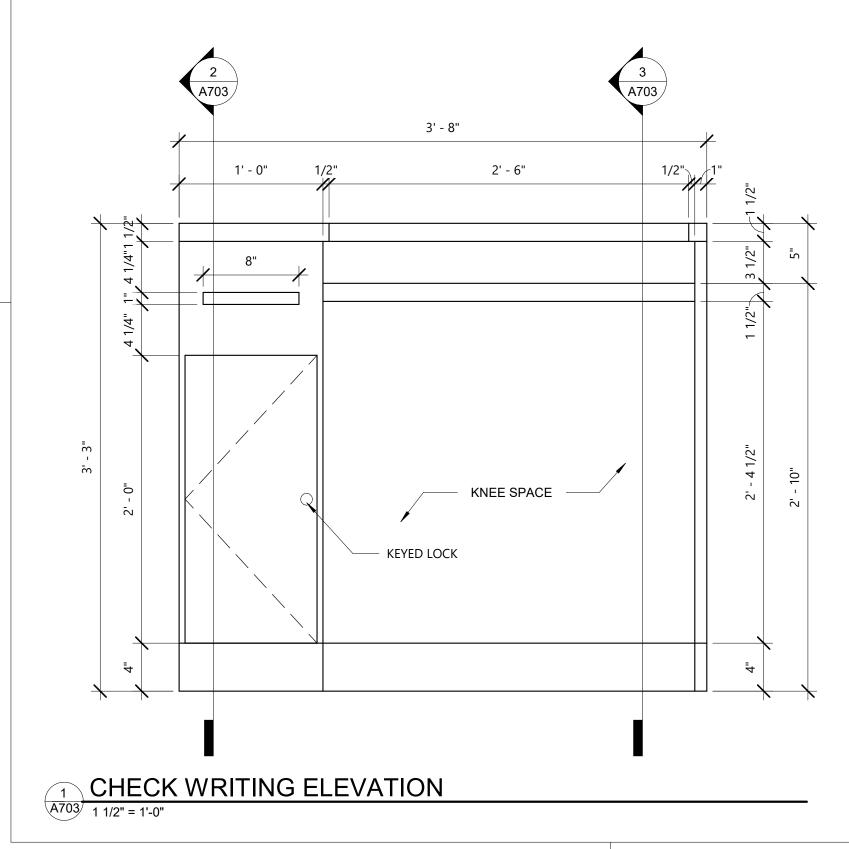
3REVEAL - RICHELIEU - 1/2" X 1/8" FLAT BRUSHED ALUMINUM MOLDING, #MRB59918M BY MILLWORKER

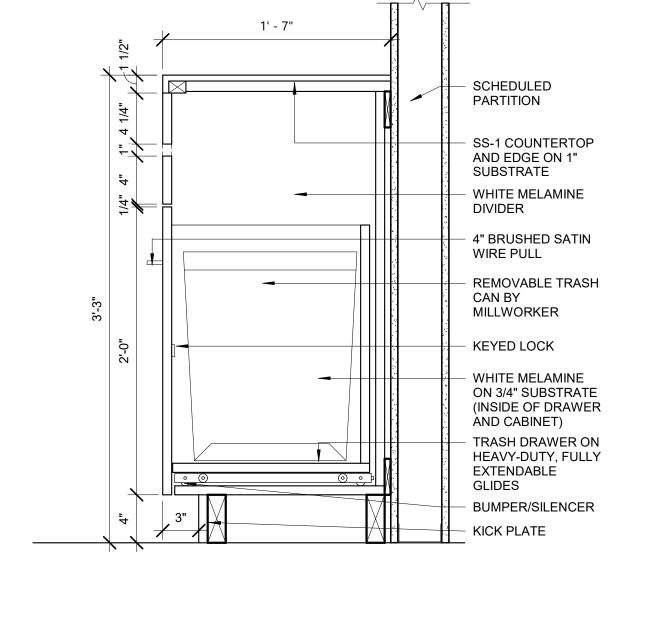
SHELF GLIDES - 14" BLUM EPOXY SLIDE, WHITE

DRAWER GLIDES - ACCURIDE; MODEL #3832EDO DETENT IN AND OUT VERTICAL DRAWER ADJUSTMENT CAM; FINISH: (C) CLEAR ELECTROPLATE OR EQUAL







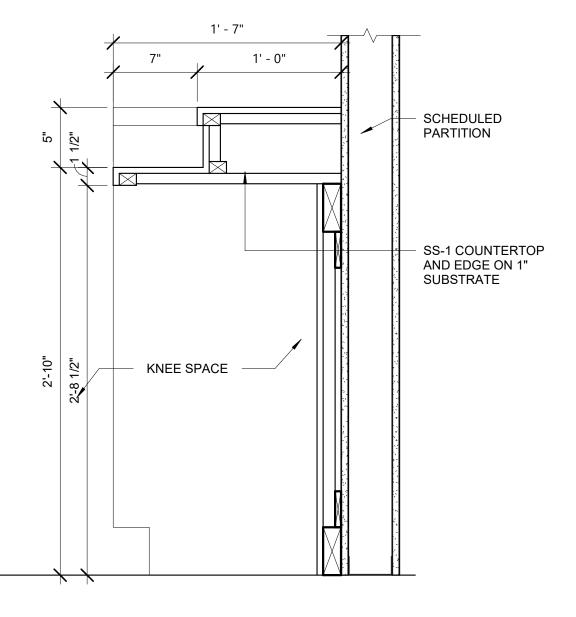


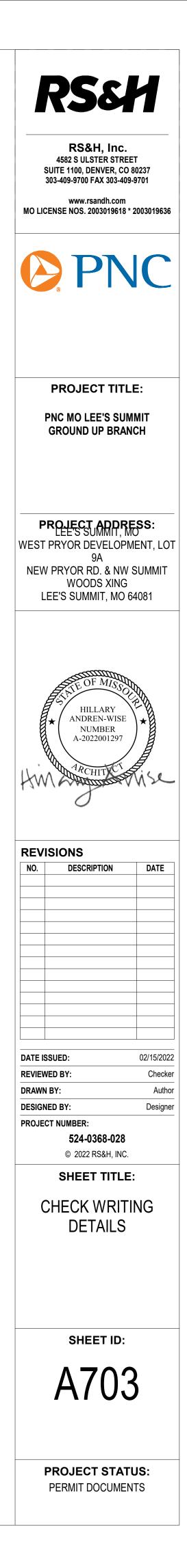
A703 1 1/2" = 1'-0"

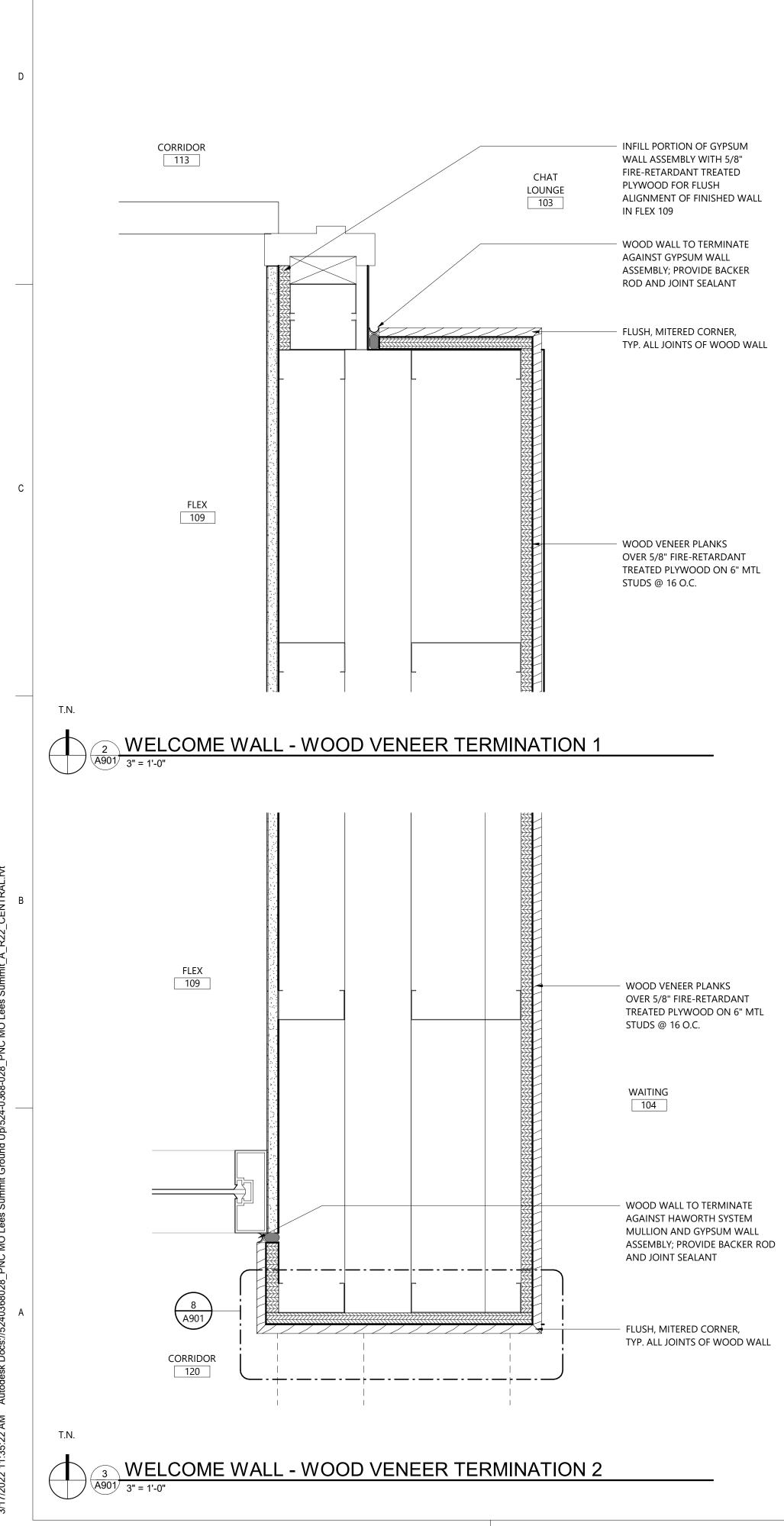
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2 CHECK WRITING SECTION

3 CHECK WRITING SECTION 2 A703 1 1/2" = 1'-0"



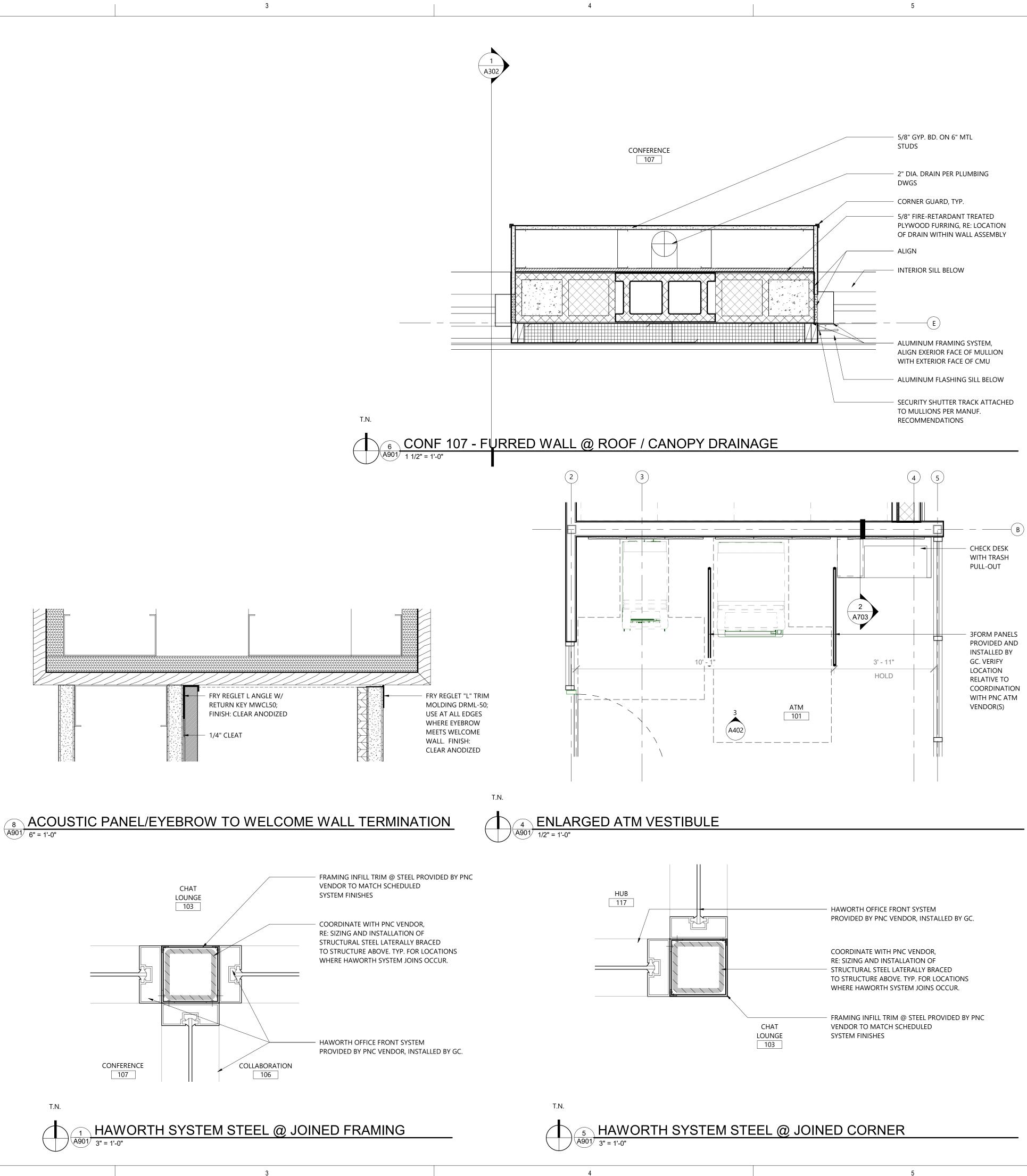




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2



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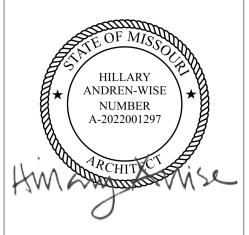


PROJECT TITLE:

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

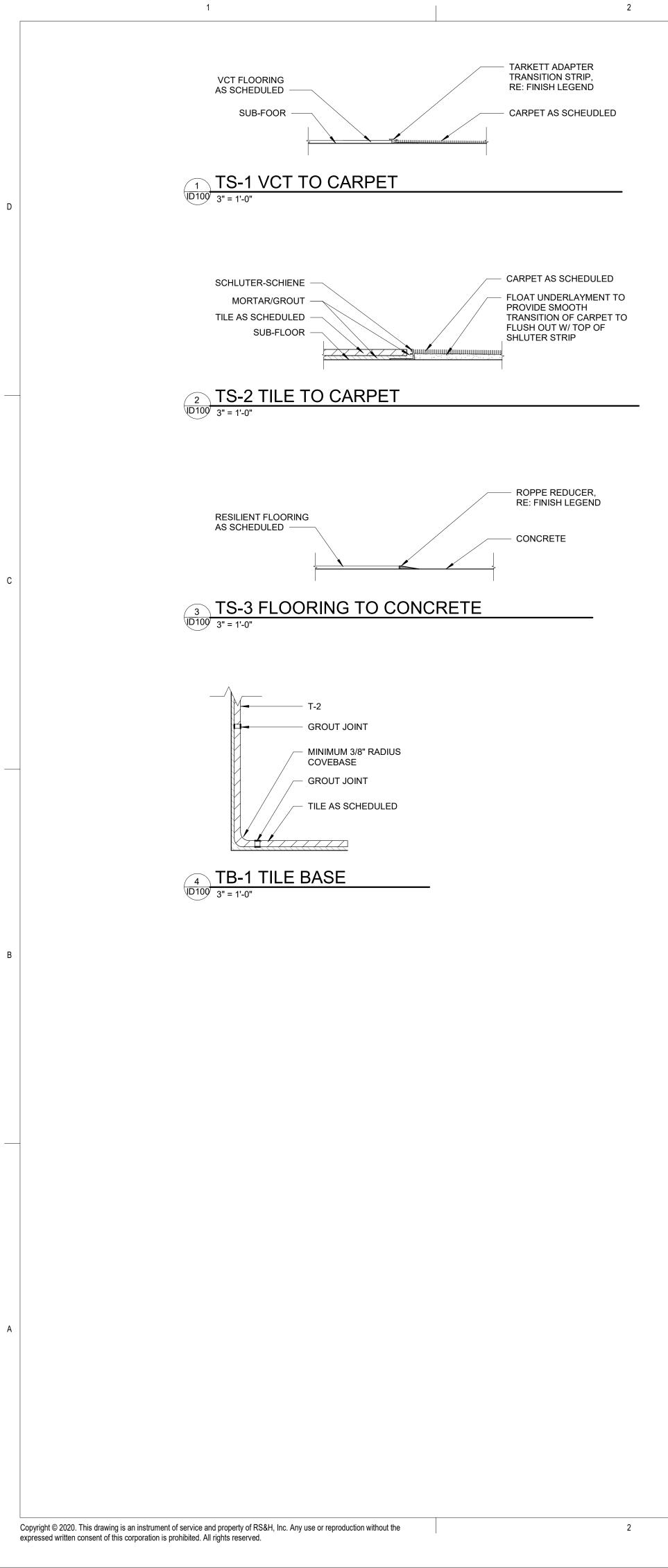
PROJECT ADDRESS: LEE'S SUMMIT, MO WEST PRYOR DEVELOPMENT, LOT 9A NEW PRYOR RD. & NW SUMMIT

WOODS XING LEE'S SUMMIT, MO 64081



REVISIONS

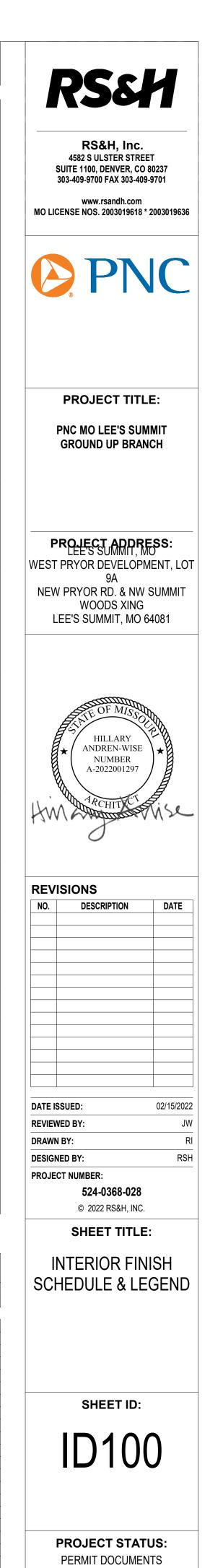


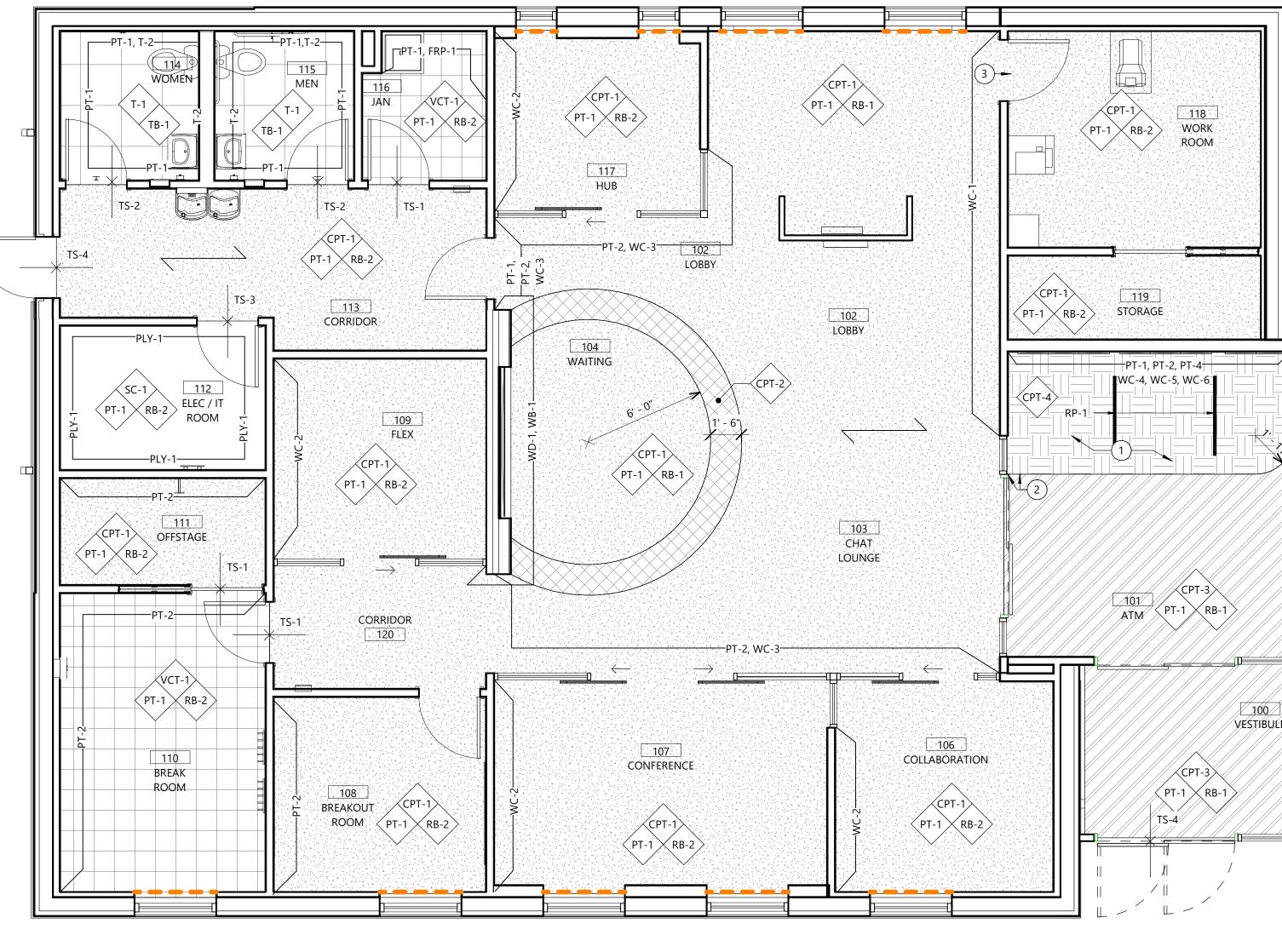


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			INTE	RIOR FINISH LEGEND		
FINISH	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	SIZE	COMMENTS
RS						
1				LICHEN 103969	25CM X 1M	INSTALLATION: ASHLAR
2	CARPET TILE	BENTLEY MILLS	BUZZ WORTHY	MONEY MAKER 400590	24" X 24"	INSTALLATION: PARQUET, BACKING: AFIRMA HARD BACK, FLOORING CONTRACTOR TO ENSURE SMOUTRANSITION BETWEEN TWO CARPETS
3	CARPET TILE	INTERFACE	STEP REPEAT SR899	GRANITE 104939	50CM X 50CM	INSTALLATION: MONOLITHIC
4	CARPET TILE PORCELAIN FLOOR TILE		STEP REPEAT SR699	IRON 104932 IRON GREY PF06	50CM X 50CM 24" X 24"	
	PORCELAIN FLOOR TILE	DALTILE	PORTFOLIO	INOIN GRET FF00	24 \ 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
1	VINYL COMPOSITION TILE	ARMSTRONG	PREMIUM EXCELON CROWN TEXTURE	STERLING 5C904	12" X 12"	INSTALLATION: STRAIGHT LAY
	SEALED CONCRETE FLOOR	RUST-OLEUM	4700 SYSTEM ULTRAPLEX -ESD CONTROL COATING TYPE II STATIC DISSIPATIVE	NATURAL	-	-
BASE						
	RUBBER BASE	TARKETT	MILLWORK REVEAL	WHITE SAND 68	4.25" H	
	RUBBER BASE	TARKETT	DURACOVE	WHITE SAND 68	4" (")/ 12"	PROVIDE TOELESS BASE AT CARPET, PROVIDE TOE (COVE) BASE AT RESILIENT FLOORING
	TILE BASE	DALTILE	PORTFOLIO	IRON GREY PF06	6" X 12"	PROVIDE COORDINATING OUTCORNERS, GROUT: BOSTIK, DELOREAN GRAY H160, JOINT WIDTH: 1/8", DETAIL: 4/ID100
	WOOD BASE TO MATCH WD-1	-	-	-	3/8" THICK SOLID WOOD	-
S	GENERAL PAINT	BENJAMIN MOORE	-	CHANTILLY LACE 2121-70		WALL FINISH: EGGSHELL, DOOR & FRAME FINISH: SEMI-GLOSS, CEILING FINISH: FLAT, TOILET ROOM:
						ENAMEL PAINT
	ACCENT PAINT	BENJAMIN MOORE	-	SEA HAZE 2137-50		WALL FINISH: EGGSHELL, DOOR & FRAME FINISH: SEMI-GLOSS
	NOT USED EXPOSED CEILING PAINT	BENJAMIN MOORE	-	- DEEP ROYAL 2061-10	-	WALL FINISH: EGGSHELL. SEE ELEVATION 3/A402 FOR FURTHER DETAIL FINISH: MATTE; TO BE USED ON ALL EXPOSED STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, ETC. II MAIN LOBBY AREA. REFER TO RCP FOR MORE INFORMATION.
	DOOR/ FRAME - DOOR 118 RESIN PANEL	PPG 3-FORM	- VARIA ECORESIN	FIELD POPPY 125-7 SLANT - PURE	- 48" X 96"	FINISH: SEMI-GLOSS, SEE ELEVATION 2/A403 FOR LOCATION FLAME POLISH ALL EDGES. FLOOR AND CEILING MOUNTED, PROVIDE 3-FORM FRAMELSS SUSPENDED PARTITION HARDWARE 200.08
	CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC	ARTIC WHITE #0790	3" X 6"	FINISH: MATTE, SEE ELEVATIONS FOR INSTALLATION PATTERN, GROUT: BOSTIK TRUCOLOR-URETHAN WHITE H152, JOINT WIDTH: 1/8"
	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-URETHAN
	CUSTOM WALLCOVERING	TECTONICS	"TYPO"	CUSTOM ORANGE	-	OWNER PROVIDED, CONTRACTOR INSTALLED, DRYWALL FINISH: LEVEL 5, USE TS-6 AT ALL EXPOSED EDGES
	CUSTOM WALLCOVERING		"ABSTRACT"	CUSTOM GRAY		OWNER PROVIDED, CONTRACTOR INSTALLED, DRYWALL FINISH: LEVEL 5
	FABRITRACK PANEL SYSTEM -WHISPERTONE TACKBOARD	CARNEGIE	XOREL METEOR 6427	722	56"W	PROVIDE SCRIM AS NEEDED TO PREVENT TRANSPARENCY TO SUBSTRATE; REFER TO FINISH PLAN AN SHEET A501 FOR MORE DETAIL.
1	ACOUSTIC WALL PANELS - ATM	CARNEGIE XOREL ARTFORM	CIRCLE 3D	METEOR 722	MEDIUM	REFER TO ELEVATION 3/A402 FOR FURTHER DETAIL
	ACOUSTIC WALL PANELS - ATM	CARNEGIE XOREL ARTFORM	CIRCLE 3D	METEOR 2024	MEDIUM	REFER TO ELEVATION 3/A402 FOR FURTHER DETAIL
	ACOUSTIC WALL PANELS - ATM WOOD PLANK	CARNEGIE XOREL ARTFORM OHIO MADE OR EQUAL	CIRCLE 3D PRE-FINISHED WHITE OAK PLANKS	SEMBLANCE 4 FACTORY APPLIED SURFACE	MEDIUM 5"W X 12" - 48"L	REFER TO ELEVATION 3/A402 FOR FURTHER DETAIL COMPOSITION: NATURAL WOOD VENEER LAMINATED ON 3-PLY RECYCLED MDF CORE, VENEER:
				UV CURED URETHANE		CHARACTER GRADE, SLICED HARDWOOD, EDGE PROFILE: TONGUE AND GROOVE
	FIBER CEMENT PANEL	NICHIHA	VINTAGE WOOD - INTEGRATED FINISH	REDWOOD	17-7/8 H x 71- 9/16 L	USE MANUFACTURER'S RECCOMENDED ACCESSORIES FOR INTERIOR WALL INSTALLATION. REFER TO
	FIBER CEMENT PANEL	NICHIHA	KURASTONE SERIES STACKEDSTONE- INTEGRATED			ELEVATION 2/A402 FOR MORE DETAIL. USE MANUFACTURER'S RECCOMENDED ACCESSORIES FOR INTERIOR WALL INSTALLATION. REFER TO
l			FINISH		-	ELEVATION 2/A402 FOR MORE DETAIL.
1	FIBER REINFORCED PANEL	CRANE COMPOSITES	GLASBOARD	WHITE 83	48"H ABOVE WALL BASE	PROVIDE COORDINATING MOLDING AND TRIM
	FIRE TREATED PLYWOOD	-	-	-	3/4" THICK	INSTALL FLOOR TO CEILING, PAINT WITH (2) COATS OF FIRE RETARDANT PAINT, DO NOT PAINT OVER RETARDANT LABEL ON PLYWOOD, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION
NGS						
1 1	ACOUSTIC CEILING TILE FIBER-CEMENT PANELN SYSTEM	ARMSTRONG NICHIHA	ULTIMA 1912 VINTAGE WOOD - INTEGRATED FINISH	WHITE REDWOOD	24" X 24" 17-7/8 H x 71- 9/16 L	GRID: SUPRAFINE XL 9/16" USE MANUFACTURER'S RECCOMENDED ACCESSORIES FOR EXTERIOR CEILING, SOFFIT, AND INTERIOR
	CEILING/SOFFIT					WALL INSTALLATION. REFER TO ELEVATION RCP FOR MORE DETAIL.
1	ACCENT SUSPENDED CLOUD	ARMSTRONG	INFUSIONS SHAPES 7156	SENSITIVE SHADOW	48" X 48"	PROVIDE MANUFACTURER'S RECCOMENDED HANGING CABLES; REFER TO RCP FOR HANGING HEIGH
WORK						
	PLASTIC LAMINATE	WILSONART		NEW AGE OAK 7938-78		FINISH: FINEGRAIN 78
	PLASTIC LAMINATE	FORMICA	-	DOVER WHITE 7197-90	-	FINISH: GLOSS 90
	NOT USED PLASTIC LAMINATE	NEVAMAR	JETT BLACK S6053T	_		FINISH: TEXTURED/ SUEDE
	SOLID SURFACE	ARISTECH	STUDIO COLLECTION	- COTTONWOOD K-16600	- 1/2" THICK	
DOW TREATMENTS						
	MANUAL ROLLER SHADE	DRAPER	FLEXSHADE SYSTEM	CLEAR ANODIZED	-	
SITIONS						
	CARPET TO VCT CARPET TO TILE	TARKETT SCHLUTER	ADAPTOR SCHIENE	MEDIUM GRAY 28 ANODIZED ALUMINUM	-	GAUGE TO MATCH FLOORING THICKNESS, SEE DETAIL 1/ID100 GAUGE TO MATCH FLOORING THICHNESS, SEE DETAIL 2/ID100
	FLOORING TO SEALED CONCRETE	ROPPE		CHARCOAL 123	- CONTRACTOR TO SELECT BASED	
	INTERIOR TO EXTERIOR	-		-	ON FLOORING THICKNESS	G.C. SHALL PROVIDE APPROPRIATE FLOORING TRANSITIONS AT EXTERIOR DOOR THERSHOLDS THAT
	J MOLDING TRIM	FRY REGLET	STYLE: JDM-50	BUFFED SATIN STAINLESS		COMPLY WITH ACCESSIBILITY CODES.
				STEEL		
		FRY REGLET		BUFFED SATIN STAINLESS	_	

	INTERIOR FINISH SCHEDULE											
					WALL F	INISHES			C	ASEWORK FI	NISHES	
ROOM #	ROOM NAME	FLOOR FINISH	WALL BASE	NORTH	EAST	SOUTH	WEST	CEILING FINISH	BASE	UPPER	TOP & SPLAS	COMMENTS
									1			
	STIBULE	CPT-3		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 LOB	3BY	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 CHA	AT 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 WAI	ITING	CPT-1	RB-1	PT-1, PT-2, WC-3	PT-1	PT-1, PT-2, WC-3	PT-1	PT-4	-	-	-	-
105 GAT	THERING AREA	CPT-1	RB-1	PT-1, WT-1	PT-1	PT-1	PT-1	PT-4	-	-	-	-
106 COL	LLABORATION	CPT-1	RB-2	PT-1	PT-1	PT-1, WT-1	WC-2	ACT-1	-	-	-	-
107 CON	NFERENCE	CPT-1	RB-2	PT-1	WC-2	PT-1, WT-1	PT-1	ACT-1	-	-	-	-
108 BRE	EAKOUT ROOM	CPT-1	RB-1	PT-1	PT-1	PT-1, WT-1	PT-2	ACT-1	-	-	-	-
109 FLE	X	CPT-1	RB-2	PT-1	WC-2	PT-1	PT-1	ACT-1	-	-	-	-
	EAK ROOM	VCT-1	RB-2	PT-2	PT-1	PT-1, WT-1	PT-2	ACT-1	PL-1	PL-1	SS-1	-
111 OFF	-STAGE	CPT-1	RB-2	PT-1	PT-2	PT-1	PT-1	ACT-1	-	-	SS-1	-
112 ELE	EC / IT ROOM	SC-1	RB-2	PT-1, PLY-1	PT-1, PLY-1	PT-1, PLY-1	PT-1, PLY-1	-	-	-	-	-
113 COF	RRIDOR	CPT-3	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	-	-	-	-
114 RES	STROOM	T-1	TB-1	PT-1, T-2	T-2	PT-1	PT-1	ACT-1	-	PL-2	-	-
	STROOM	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 HUE	В	CPT-1	RB-2	PT-1, WT-1	PT-1	PT-1	WC-2	ACT-1	-	-	-	-
118 WO	RK ROOM	CPT-1	RB-2	PT-1	PT-1	PT-1	PT-1		PL-1	PL-1	SS-1	-
	DRAGE	VCT-1	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	-	-	-	-







GENERAL NOTES

1	PROVISIONS OF CHAPTER 8 INTERIOR FINISHES SHALL GOVERN THE USE OF MATERIALS	11.
1.		11.
	AS INTERIOR FINISHES BY LIMITING THE ALLOWABLE FLAMESPREAD AND SMOKE	10
	DEVELOPMENT BASED ON THE LOCATION AND OCCUPANCY.	12.
2.	MINIMUM INTERIOR FINISH CLASSIFICATION FOR OCCUPANCY TYPE & SPRINKLED EXITS	
	= CLASS B, EXIT ACCESS = CLASS C, OTHER SPACES = CLASS C	
3.	CARPET SHALL COMPLY WITH IBC 804.3 REFER TO PROJECT SPECIFICATIONS FOR	13.
	GENERAL CONSTRUCTION REQUIREMENTS.	
4.	ALL PAINTS, SEALANT, MASTICS, AND ADHESIVE SHALL BE LOW-VOC.	14.
5.	ALL FINISHES SHALL BE BID AS SPECIFIED. ANY SUBSTITUTIONS MUST BE APPROVED BY	
	THE ARCHITECT PRIOR TO SUBMISSION FOR PRICING.	
5.	G.C. SHALL BE RESPONSIBLE FOR DELIVERY LEAD TIMES FOR ALL FINISHES. ALL DELIVERY	15.
	TIMES MUST BE CONFIRMED AND ANY FINISHES THAT HAVE EXCESSIVE LEAD TIMES,	
	BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY. G.C. TO ALLOW FOR ANY	16.
	ACCLIMATION TIME AS REQUIRED BY THE MANUFACTURER.	
7.	ALL FINISHES SHALL BE INSPECTED UPON ARRIVAL TO THE JOB SITE FOR DEFECTS AND	18.
	DYE LOT CONSISTENCY. NOTIFY THE ARCHITECT OF ANY DEFECTS PRIOR TO	19.
	INSTALLATION. THE ARCHITECT SHALL ALSO BE NOTIFIED IMMEDIATELY OF ANY	
	INSTALLATION PROBLEMS.	20.
3.	ALL FINISHES SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. NONE	
	OF THE FINISHES SHALL BE INSTALLED UNDER CONDITIONS WHICH WOULD JEOPARDIZE	
	THE QUALITY OF WORK.	21.
h		۲۱.
9.	G.C.'S MOISTURE TESTING OF SLAB SHALL BE CONDUCTED IN A TIMELY MANNER AS NOT	
	TO DELAY THE INSTALLATION OF FLOORING FINISHES. THE COORDINATION OF TESTING,	22.

1

INCLUDING TIME FOR INTERPRETATION OF RESULTS, SHALL BE INCLUDED IN THE PROJECT SCHEDULE. ALL SURFACES SHALL BE PREPARED APPROPRIATELY TO RECEIVE THE SPECIFIED FINISH. 10.

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ALL IMPERFECTIONS AND SLIGHT DEPRESSIONS IN THE FLOOR SURFACE SHALL BE SKIM 23. COATED.

2

- WALLS AND CEILINGS SHALL BE PROPERLY PREPARED, SPACKLED, SANDED, ETC. TO PROVIDE A SMOOTH FINISH AND SURFACE READY FOR PRIMER AND PAINT TO ACHIEVE 24. A LEVEL 4 FINISH, U.N.O.
- FINISHES OF THE SAME KIND SHALL ALIGN AND NAP, WEAVE, GRAIN, OR PATTERN SHALL RUN IN THE SAME DIRECTION, U.N.O. G.C. TO PROVIDE REDUCER STRIPS WHERE FLOORING FINISHES OF DIFFERENT
- MATERIALS OCCUR. REDUCER STRIP SHALL BE APPROPRIATE TO THE TRANSITION. REFER TO FLOORING TRANSITION DETAILS AND FINISH LEGEND.
- A MAXIMUM SLOPE OF 1/4" PER 12'-0" TO ALLOW A SMOOTH TRANSITION. WHERE FLOORING FINISHES MEET AT DOORWAYS, TRANSITION OF FINISHES SHALL OCCUR DIRECTLY UNDER THE CENTER OF THE CLOSED DOOR LEAF, U.N.O. ALL TILE GROUT JOINTS TO BE 1/8" THICK, U.N.O.
- VERIFY EXPANSION JOINT LOCATIONS PRIOR TO TILE INSTALLATION. EXPANSION JOINT CAULK COLOR TO BE SELECTED FROM SHOP DRAWINGS FROM APPROVAL.
- ALL WALL PAINT TO BE EGGSHELL FINISH, U.N.O. ALL TRIM PAINT TO BE SEMI-GLOSS FINISH, U.N.O. ALL CEILING PAINT TO BE FLAT FINISH, U.N.O. REFER TO FINISH LEGEND AND SCHEDULE FOR PAINT COLORS. RESTROOM PAINT TO BE ENAMEL FINISH, U.N.O. ALL COVER PLATES, SWITCHES (TOGGLES, SLIDES, ETC.), RECEPTACLES, AND NETWORK
- CONNECTION FINISH COLOR SHALL BE WHITE. ALL FINISHES OF CEILING MOUNTED SPRINKLERS, SPEAKERS, ETC. SHALL SMALL MATCH ADJACENT CEILING COLOR.

2

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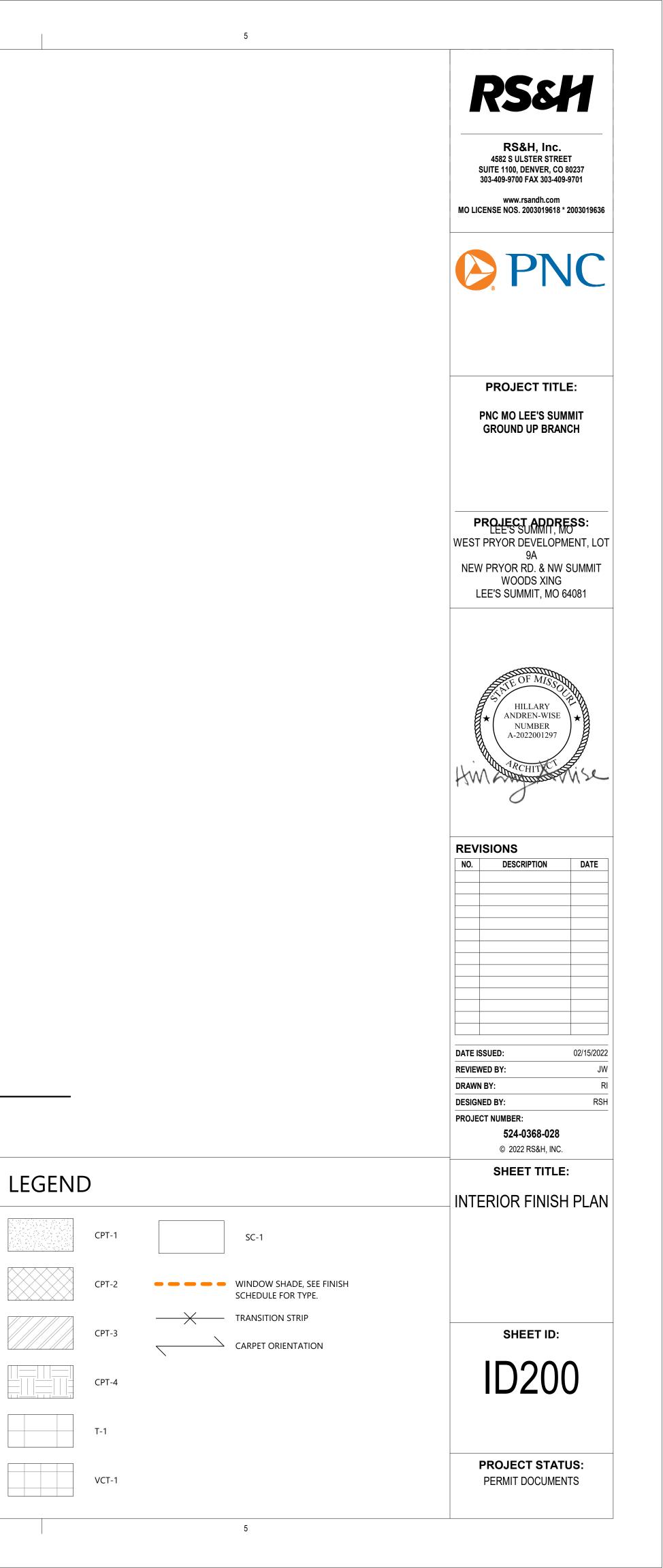
WOOD SHELVES, TRIM, AND PAINTED DOORS SHALL BE RECEIVE SANDING, PRIMING, AND TWO FULL COATS OF SEMI-GLOSS PAINT. THE FINISHED SURFACE SHALL BE FREE OF BRUSH MARKS AND IMPRESSIONS OF WOOD GRAIN. G.C. TO EXAMINE ALL FINISHES AT THE COMPLETION OF WORK IN AN AREA AND PROCEED WITH TOUCH-UPS AS NECESSARY. REMOVE ALL PAINT OR STAIN SPILLED, SPLATTERED, OR SPLASHED ON ADJACENT 25. SURFACES. 26. ALL WORK WHICH IS JUDGED TO BE UNSATISFACTORY BY THE ARCHITECT SHALL BE REJECTED AND REPAIRED TO THE SATISFACTION OF THE OWNER, AT NO ADDITIONAL COST TO THE OWNER. WHERE FLOORING FINISHES OF DIFFERENT THICKNESS MEET, FLOOR SHALL BE FILLED TO 27. ALL WALLS TO RECEIVE WALLCOVERING SHALL BE LEVEL 5 FINISH.

3

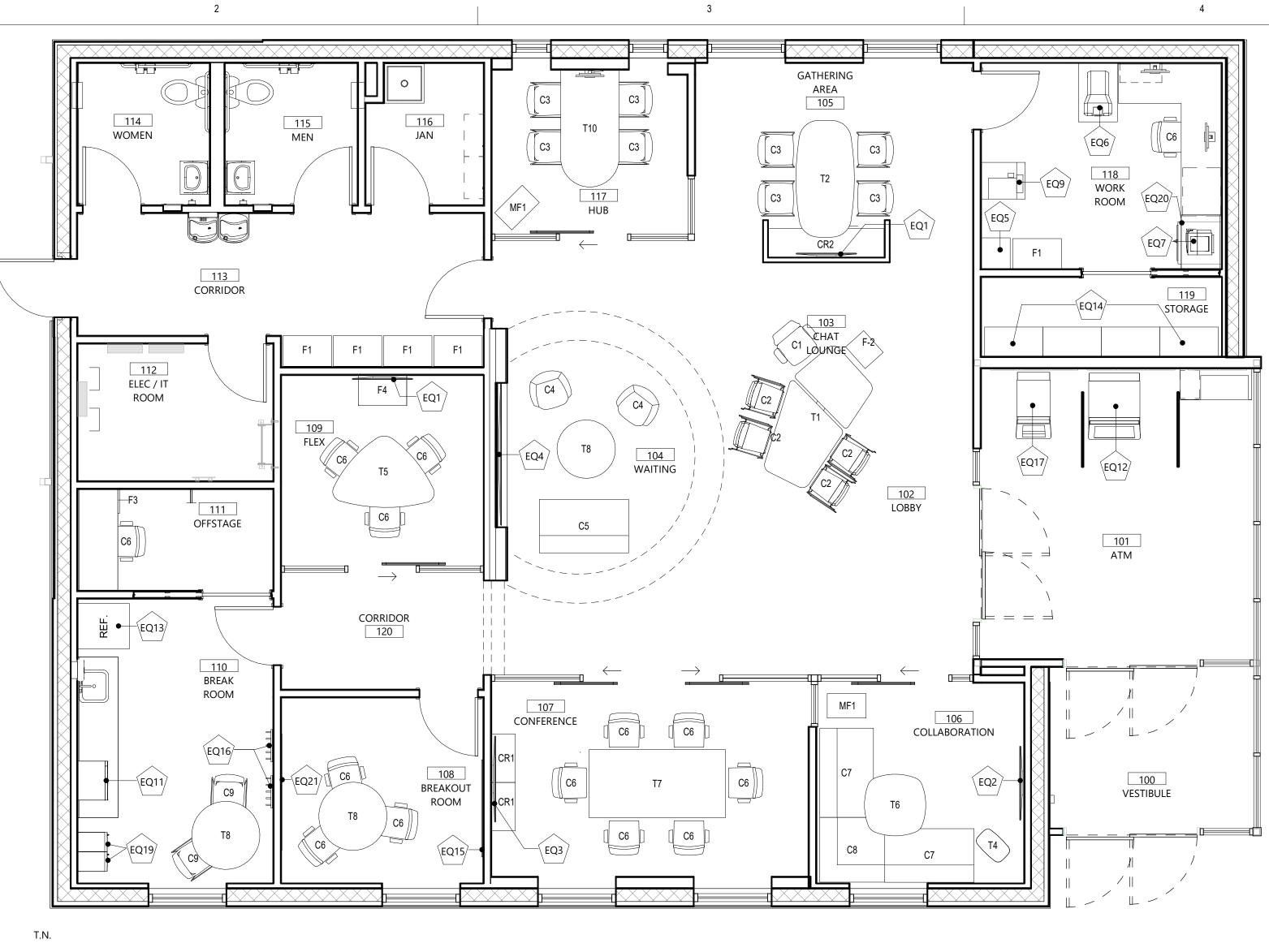
FINISH PLAN KEYED NOTES

- (1) SEE ELEVATION 3/A402 FOR EXTENT OF ATM FINISHES.
- (2) ALIGN FINISH TRANSITION WITH INTERIOR GLAZING MULLION
- (3) PAINT EXTERIOR SIDE OF DOOR 118 PT-6. SEE ELEVATION 2/A403 FOR FURTHER DETAIL.

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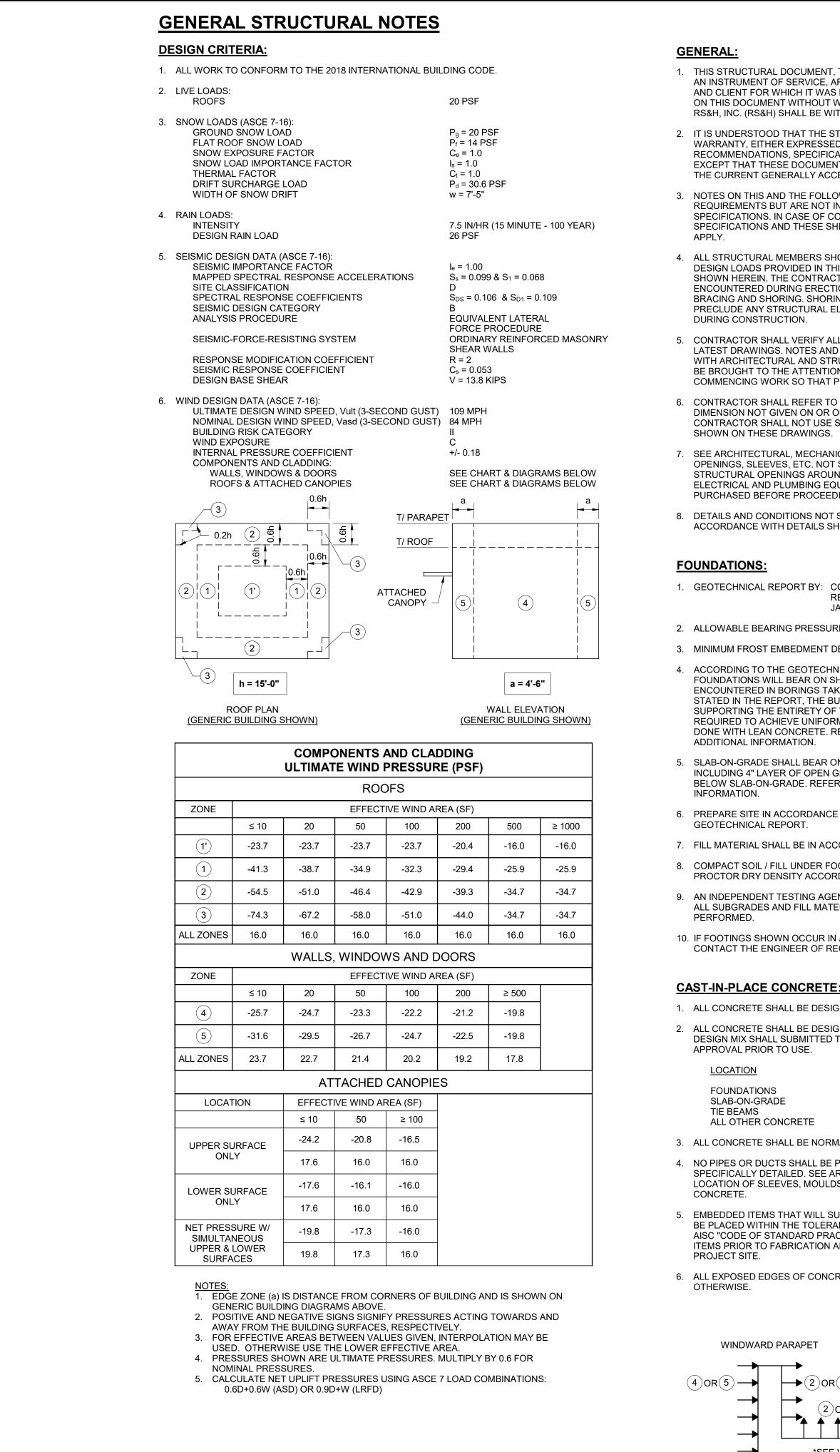
	FFE PLA
(ID300)	1/4" = 1'-0"

FOUIPMENT SCHEDULE

			PRODUCT					KEY	MANF.	PRODUCT	
MARK	DESCRIPTION	MANUFACTURE	R MODEL	SIZE (WxHxD)	FURNISHED BY	INSTALLED B	COMMENTS		HAWORTH	FERN TASK CHAIR	HAWORTH, BRISA COL
					1						
21	43" MONITOR	SAMSUNG	QM43R	-		OWNER	ENERGY STAR COMPLIENT. MOUNTING HARDWARE PER VENDER SPECIFIFICATIONS	C2	HAWORTH	VERY CONFERENCE STOOL	SEAT & BACK: BIG DIAG
22	50" MONITOR	SAMSUNG	QM50R	-	OWNER	OWNER	ENERGY STAR COMPLIANT. MOUNTING HARDWARE AS PER VENDOR SPECIFICATIONS	C3	HAWORTH	VERY WIRE STOOL	SEAT: BRISA COLOR: AS
23 24	55" MONITOR 98" MONITOR	SAMSUNG SAMSUNG	QM55R QM98N	- 86.39W X 49.21"H X 2.97"D		OWNER OWNER	ENERGY STAR COMPLIANT. MOUNTING HARDWARE AS PER VENDOR SPECIFICATIONS ENERGY STAR COMPLIANT. MOUNTING HARDWARE PER VENDER SPECIFIFICATIONS	C4	HAWORTH	POPPY GUEST SEATING	BACK: ENGLISH TWEED
2 <u>-</u> 25	SHRED TOTE	-	-	-	OWNER	OWNER	-	C5	HAWORTH	RIVERBEND LOUNGE SEATING - HIGH BACK 55W	BACK: DOTS COLOR: N
26	ICI MACHINE	-	-	-	OWNER	OWNER	-	C6	HAWORTH	VERY TASK CHAIR	SEAT: BRISA COLOR: CA
Q7	MICRO PRINTER	-	-	-	OWNER	OWNER	-	C7	HAWORTH	RIVERBEND LOUNGE SEATING - MID BACK 55W	BACK: DOTS COLOR: M
29	MULTIFUNCTION DEVICE	-	-	-	OWNER	OWNER	-				
211	MICROWAVE	WHIRLPOOL	WMC30516AW (WHITE)	21.75" X 13" X 17.25"	GC	GC	ENERGY STAR COMPLIENT. GC TO COORDINATE PURCHASING W/ PNC PM	6	HAWORTH	RIVERBEND LOUNGE SEATING - MID BACK CORNER	BACK: DOTS COLOR: M
Q12		HYOSUNG	- WRT134TFDW (WHITE)		OWNER OWNER	OWNER		C9	HAWORTH	VERY WIRE SIDE CHAIR	SEAT/BACK: FOG, LEGS
Q13 Q14	REFRIGERATOR (FULL HEIGHT) FREESTANDING HEAVY DUTY SHELVING	WHIRLPOOL HALLOWELL	HI-TECH OPEN TYPE (GRAY)	28" X 62.75" X 32.875" 36" X 87" X 18"	OWNER	GC OWNER	ENERGY STAR COMPLIANT. G.C. TO COORDINATE PURCHASING W/ PNC PM	CR1	HAWORTH	X SERIES 2H LATERAL FILE - 36"W x 19"D	TOP: NEW AGE OAK, B
Q15	WHITEBOARD	CLARIDGE OR	-	4' X 6'	OWNER	OWNER	-	CR2	HAWORTH	A SERIES CREDENZA & PATTERNS WORKWALL	TOP/BASE: NEW AGE C
·		SIMILAR						F1	HAWORTH	X SERIES 4H, COMBO UNIT	TOP: NEW AGE OAK H-
Q16	COAT HOOKS	UMBRA	FLIP 5 WALL MOUNTED HOOK	20" X 2.65" X 1.25"	GC	GC	-	E2	HAWORTH	X SERIES FIXED PEDESTAL, BBF - 15"W x 24"D	J-PULL, TOP/BASE: LINE
Q17	FREE STANDING ATM	NCR			OWNER	OWNER					
219	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	⊦4	HAWORTH	X-SERIES LATERAL FILE; 2H COMBO UNIT W/LAMINATE	TOP: KONA BLEND; BA
Q20	SAFE	-	-	-	OWNER	OWENR				ТОР	
Q21	CORKBOARD	CLARIDGE OR	-	3' X 5'	OWNER	OWNER	MOUNT CORKBOARD OFFSET ON WALL SO IT DOES NOT INTERFERE WITH DOOR	MF1	HAWORTH	X SERIES - 15"W x 24"D	TOP: HBF TEXTILES; MC
		SIMILAR					WHEN IT IS AT 90 DEGREES	T1	HAWORTH	ASYMMETRICAL TABLE DESK SUITE	LOW TOP: NEW AGE O
								T2	HAWORTH	PATTERNS/A SERIES PEBBLE TABLE	TOP: NEW AGE OAK H-
								Т4	HAWORTH	PIP TABLE	TOP: COM ACCENT OR
								Т5	HAWORTH	SUITE PEBBLE TABLE, "GUITAR PICK"- 44" x 63"	TOP: NEW AGE OAK CL
								т	HAWORTH	PLANES PEBBLE TABLE - 42" X 42"	TOP: NEW AGE OAK H-
									HAWORTH	PLANES CONFERENCE TABLE - RECTANGULAR 42"W X 84"L	TOP: NEW AGE OAK H-
								Т8	HAWORTH	PLANES ROUND TABLE - 42"	TOP: NEW AGE OAK H-
								T10	HAWORTH	CONVERGENT WORKSURFACE PLANES TABLE BASE	TOP: NEW AGE OAK H-

FURNITURE SCHEDULE

	5		
		RS&	Н
		RS&H, Inc. 4582 S ULSTER STRE SUITE 1100, DENVER, CO	EET D 80237
		303-409-9700 FAX 303-40 www.rsandh.com MO LICENSE NOS. 2003019618	
		P	JC
		PROJECT TITI	LE:
		PNC MO LEE'S SUI GROUND UP BRAI	
		PROJECT ADDR LEE'S SUMMIT, M WEST PRYOR DEVELOPI 9A NEW PRYOR RD. & NW WOODS XING LEE'S SUMMIT, MO	MENT, LOT / SUMMIT
		HILLARY ANDREN-WISE NUMBER A-2022001297) + HAR
		REVISIONS NO. DESCRIPTION	DATE
	FINISH		
ASH, BACK: LUNA	R; SHELL: SLATE; TRIM; BLACK; FRAME: GUNMETAL TEXTILES, LINEN COLOR: APRICOT, POLY SHELL: FOG, BASE: CHROME RD, SEAT: WELLINGTON COLOR: XJ-ST STORM, BASE: CLEAR ON WHITE OAK	-	
MIST, SEAT: BRISA	A COLOR: CAMBRIDGE, TRIM: ARGENT	DATE ISSUED:	02/15/2022 JW
	SH BACK: FOG, TRIM: FOG, FRAME: METALLIC SILVER, BASE: METALLIC SILVER	DRAWN BY: DESIGNED BY:	RI
MIST, SEAT: BRISA GS: CHROME	A COLOR: CAMBRIDGE, TRIM: ARGENT	PROJECT NUMBER: 524-0368-028	
BASE: GRAPHITE		© 2022 RS&H, INC.	
E OAK H-KC, WOR H-KC, BASE: GRAF	KWALL COLOR: LINEN PHITE	SHEET TITLE	Ξ:
		FFE PLAN	l
BASE: GRAPHITE		4	
	COLOR: LIPSTICK, BASE: GRAPHITE TOP: CUSTOM ORANGE BACK PAINTED GLASS, BASE: GRAPHITE	-	
H-KC, BASE: GRAF	PHITE	-	
ORANGE, BASE: GF CUT, BASE: GRAPH		SHEET ID:	
H-KC, BASE: GRAF H-KC, LEGS: META		-	
H-KC, BASE: GRAF H-KC, BASE: GRAF	PHITE	ID30	U
		PROJECT STAT	



1. 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 OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY RS&H, INC. (RS&H) SHALL BE WITHOUT LIABILITY TO RS&H.

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3. 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

4. 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

5. 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.

6. CONTRACTOR SHALL REFER TO THE ENGINEER FOR INSTRUCTION FOR ANY DIMENSION NOT GIVEN ON OR OBTAINABLE FROM THE DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSIONS SHOWN ON THESE DRAWINGS.

7. 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.

8. DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN FOR SIMILAR CONDITIONS AND MATERIAL.

1. GEOTECHNICAL REPORT BY: COOK, FLATT & STROBEL ENGINEERS, P.A. REPORT NO.: 21-5937 **JANUARY 7, 2022**

2. ALLOWABLE BEARING PRESSURE = 2,500 PSF

3. MINIMUM FROST EMBEDMENT DEPTH = 36"

4. 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 MATERIA 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

5. 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

6. PREPARE SITE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE

7. FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT

8. COMPACT SOIL / FILL UNDER FOOTINGS AND SLABS TO A MINIMUM 95% MODIFIED PROCTOR DRY DENSITY ACCORDING TO ASTM D1557.

9. AN INDEPENDENT TESTING AGENCY SHALL INSPECT AND VERIFY COMPACTION OF ALL SUBGRADES AND FILL MATERIALS BEFORE FURTHER CONSTRUCTION WORK IS

10. IF FOOTINGS SHOWN OCCUR IN A DISTURBED, UNSTABLE OR UNSUITABLE SOIL CONTACT THE ENGINEER OF RECORD BEFORE PROCEEDING WITH WORK.

1. ALL CONCRETE SHALL BE DESIGNED PER ACI 318-14.

2. ALL CONCRETE SHALL BE DESIGNED BY AN APPROVED LABORATORY, AND THE DESIGN MIX SHALL SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND

<u>NC</u>	<u>STRENGTH (fc) @ 28 DAYS</u>				
ATIONS N-GRADE MS IER CONCRETE	4,000 PSI 4,000 PSI 4,000 PSI 4,000 PSI				
	.,				

3. ALL CONCRETE SHALL BE NORMAL WEIGHT

4. 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

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

6. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" UNLESS NOTED

WINDWARD PARAPET LEEWARD PARAPET → (4) OR (5) (4)OR(5) 2)OR(3) (2)OR(3 *SEE WIND DESIGN NOTE 2 FOR (-) OR (+) PRESSURE BASED ON ARROW DIRECTION SHOWN PARAPET WIND APPLICATION DIAGRAM

3

REINFORCING STEEL:

1. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.

- 2. WHERE WELDING IS REQUIRED, REINFORCING STEEL SHALL BE ASTM A706, GRADE 60, AND SHALL BE WELDED WITH E80 ELECTRODES.
- 3. ALL WELDED WIRE REINFORCING SHALL BE ASTM A1064.
- 4. SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE CLASS B TENSION LAP SPLICES, UNLESS NOTED OTHERWISE. REFER TO CONCRETE TENSION LAP SPLICE SCHEDULE
- 5. MINIMUM LAP OF WELDED WIRE FABRIC REINFORCING SHALL BE ONE FULL MESH SIZE PLUS 2". OR A LAP OF 6". WHICHEVER IS GREATER.
- 6. CONCRETE REINFORCING SHALL HAVE THE FOLLOWING MINIMUM CLEAR COVER, UNLESS NOTED OTHERWISE:

FOOTINGS SLAB-ON-GRADE TIE BEAMS

3" BOTTOM & SIDES, 2" TOP 2" FROM TOP 1 1/2"

- 7. 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."
- 8. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH THE CRSI "MANUAL OF STANDARD PRACTICE" DURING PLACING OF CONCRETE.
- 9. PROVIDE CORNER REINFORCING TO MATCH HORIZONTAL REINFORCING AT ALL CORNERS OF CONTINUOUS FOOTINGS, BOND BEAMS AND TIE BEAMS.
- 10. ALL HOOKS IN REINFORCING BARS SHALL BE ACI STANDARD 90-DEGREE HOOKS WITH EMBEDMENT INTO CONCRETE GREATER THAN OR EQUAL TO THE DEVELOPMENT LENGTH (Ldh) FOR STANDARD 90-DEGREE HOOKS, UNLESS NOTED OTHERWISE. REFER TO THE DEVELOPMENT LENGTH (Ldh) SCHEDULE.
- 11. 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:

- 1. 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.
- 2. 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.
- 3. PROVIDE SPECIAL SLOPED SEATS IF INDICATED ON DRAWINGS OR AS REQUIRED FOR SLOPED JOIST APPLICATIONS.
- 4. PROVIDE HORIZONTAL TOP AND BOTTOM CHORD BRIDGING AND X-BRIDGING PER STEEL JOIST INSTITUTE SPECIFICATIONS.
- 5. PROVIDE UPLIFT BRIDGING AS REQUIRED TO MEET STEEL JOIST INSTITUTE SPECIFICATIONS.

STEEL DECK:

- R1 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 $I_{\rm p} = 0.155 \text{ in}^4$ $I_n = 0.183 \text{ in}^4$ $S_p = 0.186 \text{ in}^3$
 - S_n = 0.192 in³
- 2. 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-ENP-19 L15

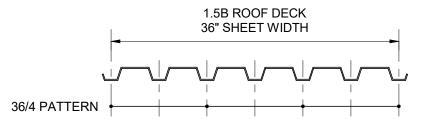
HILTI SLC 01 HWH

AT SIDELAPS: 3. DECK ATTACHMENT DESIGNATION:

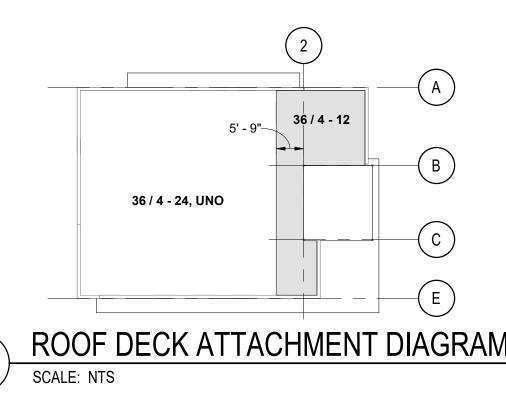
36 / X - XX

SPACING OF SIDELAP FASTENERS

- NUMBER OF SUPPORT FASTENERS PER SHEET
- SHEET WIDTH
- 4. SEE ATTACHMENT DIAGRAM BELOW.
- 5. FASTEN DECK AT ALL EDGE SUPPORTS AT 6" OC.
- 6. ALL DECK SHALL BE ERECTED AS THREE SPAN CONTINUOUS, UNLESS NOTED OTHERWISE.



TYPICAL FASTENER PATTERN



STRUCTURAL STEEL:

NOTED OTHERWISE.

ALL OTHER STEEL

1. STRUCTURAL STEEL SHALL BE DESIGNED PER AISC 360-16. MATERIALS SHALL BE AS FOLLOWS: WIDE FLANGED SHAPES ASTM A992, Fy = 50 KSI HSS SHAPES (RECT) ASTM A500 GRADE C, Fy = 50 KSI

ASTM A36, Fy = 36 KSI

- 2. ALL BOLTS SHALL BE 3/4"Ø ASTM A325N AND SHALL BE SNUG TIGHTENED, UNLESS
- 3. ALL ANCHOR RODS SHALL BE ASTM F1554 GRADE 36, UNLESS NOTED OTHERWISE.
- 4. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS AND SHALL CONFORM TO ANSI/AWS D1.1.
- 5. 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.
- 6. STRUCTURAL STEEL NOT ENCASED IN CONCRETE OR MASONRY SHALL BE SHOP PAINTED AS SPECIFIED. ANY ABRASIONS SHALL BE TOUCHED UP AFTER ERECTION.
- 7. STRUCTURAL STEEL EXPOSED TO WEATHER IN FINISHED STRUCTURE, OR WHERE NOTED ON PLANS, SHALL BE HOT DIP GALVANIZED PER ASTM A123.
- 8. FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO START OF FABRICATION. FABRICATION SHALL CONFORM TO AISC SPECIFICATIONS.
- 9. 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:

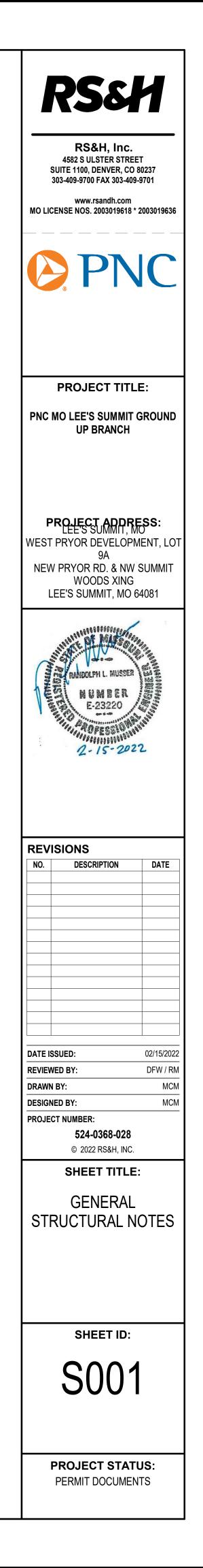
- 1. ALL MASONRY SHALL BE DESIGNED PER TMS 402.
- 2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 WITH A NET AREA COMPRESSIVE STRENGTH AS FOLLOWS: 1900 PSI FOR TYPE M OR S
- 3. MORTAR SHALL CONFORM TO ASTM C270 TYPE S OR M. USE TYPE M BELOW GRADE WHEN MASONRY IS IN CONTACT WITH SOIL.
- 4. GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. GROUT ALL CELLS WITH REINFORCING OR EMBEDDED ANCHORS.
- 5. MINIMUM COMPRESSIVE STRENGTH OF THE MASONRY (fm) SHALL BE 2,000 PSI UNLESS NOTED OTHERWISE.
- 6. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE. 7. HORIZONTAL JOINT REINFORCING SHALL BE 9 GAGE GALVANIZED LADDER TYPE.
- SPACE JOINT REINFORCING AT A MAXIMUM 16" ON-CENTER VERTICAL. 8. BOND OF BLOCK SHALL BE RUNNING BOND UNLESS NOTED OTHERWISE
- 9. FILL ALL CAVITIES AND CELLS IN MASONRY BELOW FINISHED FLOOR WITH GROUT.
- 10. WALLS SHALL BE PROPERLY BRACED AGAINST LATERAL LOADS UNTIL THE ROOF DIAPHRAGM OR OTHER LATERAL SUPPORT SYSTEM HAS BEEN INSTALLED.
- 11. PROVIDE MASONRY CONTROL JOINTS AT 25'-0" OC MAX UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH ARCHITECTURAL FINISH JOINTS. 12. COORDINATE OPENING LOCATIONS WITH ARCHITECTURAL AND SUBMIT SHOP
- DRAWINGS WITH LOCATIONS AND DIMENSIONS TO ENGINEER FOR REVIEW.

COLD-FORMED STEEL FRAMING

- 1. 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."
- 2. 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.**
- 3. SUBMITTALS SHALL CLEARLY IDENTIFY ALL APPLICABLE CODES, LIST THE DESIGN CRITERIA AND SHOW ALL DETAILS AND DRAWINGS NECESSARY FOR PROPER FABRICATION AND INSTALLATION.
- 4. 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.
- 5. 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.
- 6. 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:

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



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Description LLH LONG LEG MORZA BUDG BULDING LNTL LONG LEG VERTIC BLK BLOCK LOC LOCATION BUDM DP LOW POINT BUDM BELOW LO LOCATION BUDM BELOW LO LOCATION BUDM BLOK LONG SLOTTED I LONG SLOTTED I BOD BOTTOM CHORD LVL LOMINTED VERIE BOD BOTTOM CHORD LVL LOMINTED VERIE BYNN BERTRICTON MAX MAXEMAMM CC CENTER TO CENTER MC MAX CR COLORINGE JOINT MCJ MASCAUMAM CL CONSTRUCTION JOINT MCJ MAXEMAMM CL CONSTRUCTION JOINT MR MAMAUFACTURER CL CONSTRUCTION MS MAAS ADE CONC CONCRETE MAX MAXELNEDUS CONC CONSTRUCTION NS NEAR SIDE CONT CONTROLLORUN MS	ABBRE	VIATIONS		
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EQUIPEQUIPMENTSCHSCHEDULEEQUIVEQUIVALENTSECTSECTIONESEACH SIDESHTSHEETEWEACH WAYSHTSHEETEXISTEXISTINGSIMSIMLAREXPEXPANSIONSOGSLAB ON GRADEEXTEXTERIORSPACE, ED, INGF/FOOTING MARKSQSQUAREF/FACE OFSSLSHORT SLOTTED HFDFLOOR DRAINSSSTAINLESS STEELFFFINISHED FLOORSTDSTANDARDFLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTEELFNFOUNDATIONSTRLSTEELFTFOOTINGSVSHORT WAY / SHEFTFOOTINGT/TOP OFFVFIELD VERIFYT/TOP OFFVFIELD VERIFYTANSTRANSVERSEGAGAGETBTIE BEAMGALVGALVANIZEDTRANSVERSETANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THICMARKHOOKVERTVERTICALHNDHANDHANDWDHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITHHSAHEADED STUD ANCHORW/WITHHSAHEADED STUD ANCHORW/WORKING POINTHDINSIDE DIAMETERWFWIDE FLANGE, WAMARKSUDWOR			RTU	ROOF TOP UNIT
EGUV EQUIVALENT SECT SECTION ES EACH SIDE EW EACH WAY EXIST EXISTING SIM SIMILAR EXIST EXISTING SIG SIAB ON GRADE EXP EXPANSION SOG SLAB ON GRADE EXT EXTERIOR SPA SPACE, ED, ING SPEC SPECIFICATION(S) F FOOTING MARK SQ SQUARE F/ FACE OF SSL SHORT SLOTTED F FD FLOOR DRAIN SS STAINLESS STEEL FD FLOOR DRAIN SS STAINLESS STEEL FIG FLANGE STIFF STIFFENERS FLR FLOOR STL STREL FNN FOUNDATION STRL STRUCTURAL FS FAR SIDE FT FOOT, FEET SYP SOUTHERN YELLO FT FOOT, FEET SYP SOUTHERN YELLO FT FOOT, FEET T' TOP OF FV FIELD VERIFY T& TOP OF FV FIELD VERIFY T& TOP OF GA GAGE TB TIE BEAM GALV GALVANIZED THK THICK, NESS GB GRADE BEAM TRANS TRANSVERSE GG GENERAL CONTRACTOR TS TRANSVERSE GG GRADE BEAM TYP TYPICAL GR GRADE GRADE GRADE BEAM TYP TYPICAL GR GRADE GRTG GRATING VERT VERTICAL HND HAND VERT WID WOOD HK HOOK VERT WO WOOD HK HOOK STRUCTURAL STEEL HIGH POINT W/ WITH HIGH POINT W/ WITH HIGH POINT W/ WITH HIGH POINT W/ WITH OUT WF WIDE FLANGE, WA MARK MARK				
ES EACH SIDE EW EACH WAY EXIST EXISTING EXIST EXISTING EXT EXTERIOR F FOOTING MARK F/ FACE OF F FOOTING MARK F/ FACE OF FD FLOOR DRAIN FF FINISHED FLOOR FF FINISHED FLOOR FIG FLANGE FIG FLANGE FIR FLOOR FIG FLANGE FIR FLOOR FIG FLANGE FIR FLOOR FIG FOOTING FV FIELD VERIFY FG GALV GALVANIZED GA GAGE GRADE BEAM GALV GALVANIZED GR GRADE GR G	EQUV	EQUIVALENT		
EWEACH WAYSIMSIMILAREXISTEXISTINGSOGSLAB ON GRADEEXTEXTRIORSPASPACE, ED, INGEXTEXTERIORSPECSPECIFICATION(S)FFOOTING MARKSQSQUAREF/FACE OFSSLSHORT SLOTTED FFDFLOOR DRAINSSSTAINLESS STEELFFFINISHED FLOORSTIDSTANDARDFLGFLANGESTLSTEELFLRFLOORSTILSTEELFNFOUNDATIONSTRLSTRUCTURALFSFAR SIDESWSHORT WAY / SHEFTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT&BTIE BEAMGAGAGETHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THICGRTGGRATINGUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHKHOOKW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAMARKIDINSIDE DIAMETERWPWORKING POINTIDINSIDE DIAMETERWPWORKING POINT				
EASTEASTINGSOGSLAB ON GRADEEXPEXPANSIONSPASPACE, ED, INGEXTEXTERIORSPECSPECFICATION(S)FFOOTING MARKSQSQUAREF/FACE OFSSLSHORT SLOTTED FFDFLOOR DRAINSSSTAINLESS STEELFFFINISHED FLOORSTDSTANDARDFLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTEELFDNFOUNDATIONSWSHORT WAY / SHEFSFAR SIDESYPSOUTHERN YELLOFTFOOT, FEETSYPSOUTHERN YELLOFGFOOTINGT/TOP OFFVFIELD VERIFYT/TOP OFFVFIELD VERIFYT/TOP OFGAGAGETHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTYPTYPICALGRGRADEGRADEMARKGRGRADEUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAHTHEIGHTWFWIDE FLANGE, WAIDINSIDE DIAMETERWPWORKING POINT				
EXTEXTERIORSPASPACE, ED, ING SPECFFOOTING MARKSQSQUAREF/FACE OFSSLSHORT SLOTTED FFDFLOOR DRAINSSSTAINLESS STEELFFFINISHED FLOORSTDSTANDARDFLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTEELFDNFOUNDATIONSWSHORT WAY / SHEFTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT/TOP OFFQGAAGETBTIE BEAMGAGAGETANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGRGRADEGRADETYPTYPICALGRGRADEGRATINGUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHKHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWPWORKING POINTIDINSIDE DIAMETERWPWORKING POINT			SOG	SLAB ON GRADE
FFOOTING MARKSQSQUAREF/FACE OFSSLSHORT SLOTTED FFDFLOOR DRAINSSSTAINLESS STEELFFFINISHED FLOORSTDSTANDARDFLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTELLFDNFOUNDATIONSTRLSTRUCTURALFSFAR SIDESWSHORT WAY / SHEFTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT/TOP OFGAGAGETBTIE BEAMGALVGALVANIZEDTARANSTRANSVERSEGBGRADE BEAMTYPTYPICALGRGRADEGADETYPGRTGGRADEUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDWDWOODHKHOILOW STRUCTURAL STEELW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSAHEIGHTWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWFWIDEGHT, TEE				
FFOUTING MARKSSLSHORT SLOTTED FF/FACE OFSSSTAINLESS STEELFDFLOOR DRAINSSSTAINLESS STEELFFFINISHED FLOORSTDSTANDARDFLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTEELFDNFOUNDATIONSTRSTRUCTURALFSFAR SIDESWSHORT WAY / SHEFTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT/TOP OFGAGAGETBTIE BEAMGALVGALVANIZEDTHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THICMARKGRADEGRADETYPTYPICALGRTGGRADEUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITHHSAHEIGHTWFWIDE FLANGE, WAIDINSIDE DIAMETERWPWORKING POINTIDINSIDE DIAMETERWTWEIGHT, TEE				
F/FACE OFSSSTAINLESS STEELFDFLOOR DRAINSTDSTANDARDFFFINSHED FLOORSTDSTANDARDFLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTEELFDNFOUNDATIONSTRLSTRUCTURALFSFAR SIDESWSHORT WAY / SHEFTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT&BTIE BEAMGAGAQETBTIE BEAMGALVGALVANIZEDTANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGRADEGRADETYPTYPICALGRGRADEUNOUNLESS NOTED OFHKHOOKVERTVERTVERTICALHNDHANDHANDWDWOODHKHOOKW/WITHWARKHPHIGH POINTW/WITHHSHOLLOW STRUCTURAL STEELWOWITH OUTHSHOLLOW STRUCTURAL STEELWPWORKING POINTIDINSIDE DIAMETERWPWORKING POINTWTWEIGHT, TEEWFWEIGHT, TEE				SQUARE SHORT SLOTTED HOLES
FFFINISHED FLOORSTDSTANDARDFLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTELFDNFOUNDATIONSTRLSTRUCTURALFSFAR SIDESWSHORT WAY / SHE.FTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT&BTIE BEAMGAGAGETBTIE BEAMGALVGALVANIZEDTHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGRGRADEGRADETYPGRTGGRATINGUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHKHOILOW STRUCTURAL STEELW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSHOLLOW STRUCTURAL STEELWPWORKNING POINTIDINSIDE DIAMETERWPWORKNING POINT				STAINLESS STEEL
FLGFLANGESTIFFSTIFFENERSFLRFLOORSTLSTELFDNFOUNDATIONSTRLSTRUCTURALFSFAR SIDESWSHORT WAY / SHE.FTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT&BTIE BEAMGAGAGETHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THICGRGRADEGRADEMARKGRTGGRATINGUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHSHOLLOW STRUCTURAL STEELW/WITH OUTHSHOLLOW STRUCTURAL STEELW/WITH OUTIDINSIDE DIAMETERWPWORKING POINT			STD	STANDARD
FLRFLOORSTLSTELSTELFDNFOUNDATIONSTRLSTRUCTURALFSFAR SIDESWSHORT WAY / SHEFTFOOT, FEETSYPSOUTHERN YELLOFTGFOOTINGT/TOP OFFVFIELD VERIFYT&BTIE BEAMGAGAGETHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTYPTYPICALGRGRADEGRADETYPGRTGGRATINGUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWOODWITHHSSHOLLOW STRUCTURAL STEELW/WITH OUTHSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WARKIDINSIDE DIAMETERWPWORKING POINT				
FDNFOUNDATIONSWSHORT WAY / SHE,FSFAR SIDESYPSOUTHERN YELLOFTFOOT, FEETT/TOP OFFUFIELD VERIFYT/TOP OFGAGAGETBTIE BEAMGALVGALVANIZEDTHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THICGRGRADEGRADEGRADEGRTIGGRATINGUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAIDINSIDE DIAMETERWPWORKING POINTWTWEIGHT, TEEWFWEIGHT, TEE				
FSFAR SIDE FTSYPSOUTHERN YELLOFTFOOT, FEETT/TOP OFFVFIELD VERIFYT&BTOP AND BOTTOMGAGAGETBTIE BEAMGALVGALVANIZEDTHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THICGRGRADEGRADETYPTYPICALGRGRADEUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHARDWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWPWORKING POINT				STRUCTURAL SHORT WAY / SHEAR WAL
F1FOOT, FEETFTGFOOTINGT/TOP OFFVFIELD VERIFYT&BTOP AND BOTTOMGAGAGETBTIE BEAMGALVGALVANIZEDTHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THICGRGRADEGRADETYPTYPICALGRGRADEUNOUNLESS NOTED OTHKHOOKVERTVERTICALHNDHANDWDWOODHKHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAIDINSIDE DIAMETERWPWORKING POINT				SOUTHERN YELLOW PINE
FVFIELD VERIFYT/TOP OFGAGAGET&BTIE BEAMGALVGALVANIZEDTBTIE BEAMGALVGALVANIZEDTHKTHICK, NESSGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGLBGLU-LAM BEAMTYPTYPICALGRGRADEGRADEUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAHTHEIGHTWPWORKING POINTIDINSIDE DIAMETERWPWORKING POINT				
GAGAGETOP AND BOTTOMGAUGAGETBTIE BEAMGALVGALVANIZEDTBTIE BEAMGBGRADE BEAMTRANSTRANSVERSEGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGLBGLU-LAM BEAMTYPTYPICALGRGRADEGRADEUNOUNLESS NOTED OFGRTGGRATINGUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAHTHEIGHTWPWORKING POINTIDINSIDE DIAMETERWPWORKING POINT				
GAGAGETHKTHICK, NESSGALVGALVANIZEDTRANSTRANSVERSEGBGRADE BEAMTSTUBE STEEL, THIC MARKGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGLBGLU-LAM BEAMTYPTYPICALGRGRADEUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDVOODHKHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWPWORKING POINT	- -			TOP AND BOTTOM
GALVGALVANIZEDTRANSTRANSVERSEGBGRADE BEAMTSTUBE STEEL, THIC MARKGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGLBGLU-LAM BEAMTYPTYPICALGRGRADEUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWPWORKING POINT	GA	GAGE		
GBGRADE BEAMTSTUBE STEEL, THIC MARKGCGENERAL CONTRACTORTSTUBE STEEL, THIC MARKGLBGLU-LAM BEAMTYPTYPICALGRGRADEUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAHTINSIDE DIAMETERWPWORKING POINTIDINSIDE DIAMETERWTWEIGHT, TEE				
GCGENERAL CONTRACTORMARKGLBGLU-LAM BEAMTYPTYPICALGRGRADEUNOUNLESS NOTED OGRTGGRATINGUNOUNLESS NOTED OHKHOOKVERTVERTICALHNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAIDINSIDE DIAMETERWPWORKING POINT				TUBE STEEL, THICKENED
GRGRADETYPTYPICALGRTGGRATINGUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/OWITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAHTINSIDE DIAMETERWPWORKING POINTWWSTWEIGHT, TEEWF				MARK
GRTGGRATINGUNOUNLESS NOTED OFHKHOOKVERTVERTICALHNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/WITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WAHTINSIDE DIAMETERWPWORKING POINTWWFWIGHT, TEE			TYP	TYPICAL
HKHOOKVERTVERTICALHNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/OWITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWPWORKING POINT				
HNDHANDVERTVERTICALHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/OWITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WA MARKHTHEIGHTWPWORKING POINTIDINSIDE DIAMETERWTWEIGHT, TEE			UNO	UNLESS NOTED OTHERWI
HNDHANDHORIZHORIZONTALWDWOODHPHIGH POINTW/WITHHSAHEADED STUD ANCHORW/OWITH OUTHSSHOLLOW STRUCTURAL STEELWFWIDE FLANGE, WA MARKHTHEIGHTWPWORKING POINTIDINSIDE DIAMETERWTWEIGHT, TEE			VERT	VERTICAL
HPHIGH POINTWDWOODHSAHEADED STUD ANCHORW/WITHHSSHOLLOW STRUCTURAL STEELW/OWITH OUTHTHEIGHTWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWTWEIGHT, TEE			V LIXI	
HSAHEADED STUD ANCHORW/WITHHSSHOLLOW STRUCTURAL STEELW/OWITH OUTHTHEIGHTWFWIDE FLANGE, WA MARKIDINSIDE DIAMETERWPWORKING POINT WT			WD	WOOD
HSS HOLLOW STRUCTURAL STEEL WF WIDE FLANGE, WA HT HEIGHT WF WIDE FLANGE, WA MARK ID INSIDE DIAMETER WP WORKING POINT WT WEIGHT, TEE				
HT HEIGHT WF WIDE FLANGE, WA MARK ID INSIDE DIAMETER WF WORKING POINT WT WEIGHT, TEE				
ID INSIDE DIAMETER WP WORKING POINT WT WEIGHT, TEE			WF	WIDE FLANGE, WALL FOO MARK
ID INSIDE DIAMETER WT WEIGHT, TEE			WP	
IN INCH WWF WELDED WIRE FAE			WT	WEIGHT, TEE

2

2

CONCRETE TENSION LAP SPLICE SCHEDULE

3

BAR	3000) PSI	4000) PSI	5000 PSI		
SIZE	TOP	OTHER	TOP	OTHER	TOP	OTHER	
#3	28"	22"	24"	19"	22"	16"	
#4	37"	29"	32"	25"	29"	21"	
#5	47"	36"	40"	31"	36"	26"	
#6	56"	43"	48"	37"	43"	31"	
#7	81"	63"	70"	54"	63"	45"	
#8	93"	72"	80"	62"	72"	51"	
#9	105"	81"	91"	70"	81"	57"	
#10	118"	91"	102"	79"	91"	64"	
#11	131"	101"	103"	87"	101"	71"	

NOTES: 1. TABULATED VALUES ARE BASED ON THE FOLLOWING: - NORMAL WEIGHT CONCRETE

3

- UNCOATED, GRADE 60 REINFORCING - CLEAR COVER NOT LESS THAN 1.0 x BAR DIAMETER - CLEAR SPACING NOT LESS THAN 2.0 x BAR DIAMETER

- CLASS B TENSION LAP SPLICE 2. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12

INCHES OF CONCRETE CAST BELOW THE BARS.

DEVELOPMENT LENGTH (Ldh) SCHEDULE FOR ACI STD 90° HOOKS

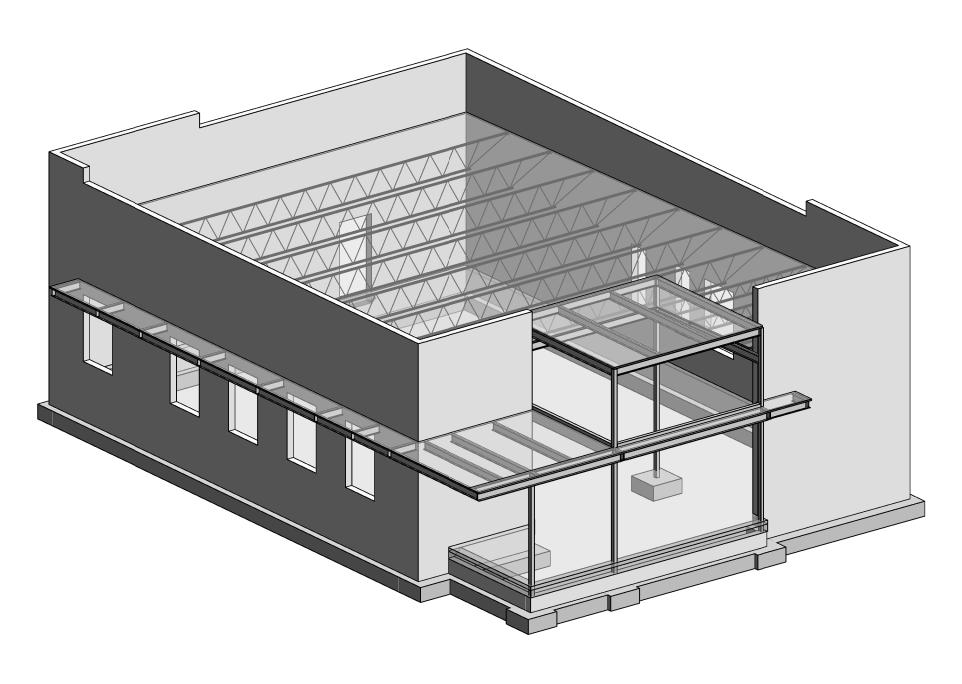
4

BAR SIZE	AR SIZE 3000 PSI		5000 PSI
#3	8"	7"	6"
#4	11"	10"	9"
#5	14"	12"	11"
#6	16"	14"	13"
#7	19"	17"	15"
#8	22"	19"	17"
#9	25"	21"	19"
#10	28"	24"	22"
#11	31"	27"	24"

NOTES: 1. TABULATED VALUES ARE BASED ON THE

FOLLOWING:

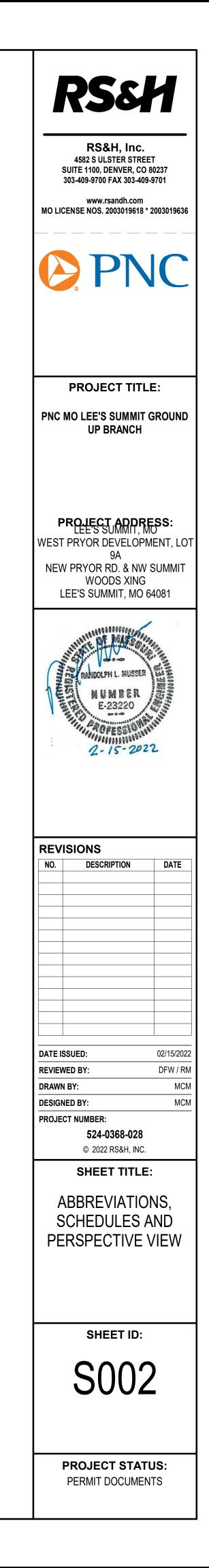
- NORMAL WEIGHT CONCRETE - UNCOATED, GRADE 60 REINFORCING - ACI STANDARD 90° HOOK BEND AND EXTENSIONS ARE PROVIDED





<u>NOTES:</u> 1. PERSPECTIVE VIEW IS PROVIDED FOR REFERENCE ONLY. NOT ALL STRUCTURAL MEMBERS ARE SHOWN. THIS VIEW SHOULD NOT BE USED FOR BIDDING, DETAILING, FABRICATION, OR ERECTION.

4



	NRY LAP SCHEDULE
BAR SIZE	LAP SPLICE
#3	27"
#4	36"
#5	45"
#6	54"

5

5

STRUCTURAL PERSPECTIVE VIEW

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.

TASK	OBSERVE	PERFORM
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	X	
WELDER GOALINGARION RECORDS AND CONTINUENT RECORDS	X	x
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES		
AVAILABLE		X
MATERIAL IDENTIFICATION (TYPE/GRADE)	X	
 FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) JOINT PREPARATIONS 		
 DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) 	x	
TACKING (TACK WELD QUALITY AND LOCATION)		
BACKING TYPE AND FIT (IF APPLICABLE) FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT		
BACKING (INCLUDING JOINT GEOMETRY) JOINT PREPARATIONS		
 DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) 	X	
 CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION) 		
CONFIGURATION AND FINISH OF ACCESS HOLES	X	
FIT-UP OF FILLET WELDS		
 DIMENSIONS (ALIGNMENT, GAPS AT ROOT) CLEANLINESS (CONDITION OF STEEL SURFACES) 	X	
TACKING (TACK WELD QUALITY AND LOCATION)		
INSPECTION TASKS DURING WELDING:		1
CONTROL AND HANDLING OF WELDING CONSUMABLES PACKAGING 	х	
EXPOSURE CONTROL		
NO WELDING OVER CRACKED TACK WELDS	X	
ENVIRONMENTAL CONDITIONS WIND SPEED WITHIN LIMITS 	х	
PRECIPITATION AND TEMPERATURE	~	
 WPS FOLLOWED SETTINGS ON WELDING EQUIPMENT 		
TRAVEL SPEED		
SELECTED WELDING MATERIALS SHIELDING GAS TYPE/FLOW RATE	X	
 PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) 		
PROPER POSITION (F, V, H, OH)		
 WELDING TECHNIQUES INTERPASS AND FINAL CLEANING 	х	
 EACH PASS WITHIN PROFILE LIMITATIONS EACH PASS MEETS QUALITY REQUIREMENTS 	Λ	
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS		x
INSPECTION TASKS AFTER WELDING:		1
WELDS CLEANED	X	
SIZE, LENGTH AND LOCATION OF WELDS		x
WELDS MEET VISUAL ACCEPTANCE CRITERIA		
CRACK PROHIBITION WELD/BASE-METAL FUSION		
CRATER CROSS SECTION WELD PROFILES		x
WELD SIZE UNDERCUT		
POROSITY		
ARC STRIKES		x
K-AREA		x
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY		x
SHAPES		
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)		X
REPAIR ACTIVITIES		X
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER		x
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF	v	
THE EOR	X	
INSPECTION TASKS PRIOR TO BOLTING:		
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS		x
	v	
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	X	
CORRECT FASTENERS SELECTED FOR THE JOIN DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	X	
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	X	
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING		
SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	X	
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION		
PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	X	
PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND		
OTHER FASTENER COMPONENTS	X	
INSPECTION TASKS DURING BOLTING:		
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND	x	
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	x	
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED	x	
	~	
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST	x	
RIGID POINT TOWARD THE FREE EDGES		

STRUCTURAL STEEL (CONTINUED) OTHER INSPECTION TASKS: INSPECT PLACEMENT OF ANCHOR R SUPPORTING STRUCTURAL STEEL F CONSTRUCTION DOCUMENTS, VERIF LENGTH OF THE ANCHOR ROD OR EI OR DEPTH OF EMBEDMENT INTO THE AND DOCUMENTED PRIOR TO PLACE INSPECT FABRICATED STEEL OR ERE APPLICABLE, TO VERIFY COMPLIANCE THE CONSTRUCTION DOCUMENTS ACCEPTANCE OR REJECTION OF JOIN APPLICATION OF JOINT DETAILS SHAL 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 MORE STRINGENT REQUIREMENT SHALL APPLY. TASK **INSPECTION TASKS PRIOR TO DECK** VERIFY COMPLIANCE OF MATERIAL WITH CONSTRUCTION DOCUMENTS PROPERTIES, AND BASE METAL THI DOCUMENT ACCEPTANCE OR REJEC ACCESSORIES **INSPECTION OR EXECUTION TASKS** VERIFY COMPLIANCE OF DECK AND INSTALLATION WITH CONSTRUCTION VERIFY DECK MATERIALS ARE REPR CERTIFICATIONS THAT COMPLY WIT DOCUMENT ACCEPTANCE OR REJE AND DECK ACCESSORIES **INSPECTION OR EXECUTION TASKS** WELDING PROCEDURE SPECIFICATI MANUFACTURER CERTIFICATIONS F AVAILABLE MATERIAL IDENTIFICATION (TYPE/GR CHECK WELDING EQUIPMENT INSPECTION OR EXECUTION TASKS USE OF QUALIFIED WELDERS CONTROL AND HANDLING OF WELD ENVIRONMENTAL CONDITIONS (WIN TEMPERATURE) WPS FOLLOWED INSPECTION OR EXECUTION TASKS VERIFY SIZE AND LOCATION OF WEL AND PERIMETER WELDS WELDS MEET VISUAL ACCEPTANCE VERIFY REPAIR ACTIVITIES DOCUMENT ACCEPTANCE OR REJE INSPECTION OR EXECUTION TASKS MANUFACTURER INSTALLATION INST MECHANICAL FASTENERS PROPER TOOLS AVAILABLE FOR FAS PROPER STORAGE FOR MECHANICA INSPECTION OR EXECUTION TASKS FASTENERS ARE POSITIONED AS RE FASTENERS ARE INSTALLED IN ACCO INSTRUCTIONS INSPECTION OR EXECUTION TASKS CHECK SPACING, TYPE, AND INSTAL CHECK SPACING, TYPE, AND INSTAL CHECK SPACING, TYPE, AND INSTAL VERIFY REPAIR ACTIVITIES

DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS

RODS AND OTHER EMBEDMENTS FOR COMPLIANCE WITH THE FY DIAMETER, GRADE, TYPE AND EMBEDDED ITEM, AND THE EXTENT E CONCRETE, SHALL BE VERIFIED EMENT OF CONCRETE		x
ECTED STEEL FRAME, AS CE WITH THE DETAILS SHOWN ON	x	
INT DETAILS AND THE CORRECT ALL BE DOCUMENTED		

CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF SDI QA/QC AND THE TABLE BELOW, THE

	OBSERVE	PERFORM
K PLACEMENT:		1
.S (DECK AND DECK ACCESSORIES) S, INCLUDING PROFILES, MATERIAL ICKNESS		x
ECTION OF DECK AND DECK		x
S AFTER DECK PLACEMENT:		
D ALL DECK ACCESSORIES DN DOCUMENTS		x
RESENTED BY THE MILL TH THE CONSTRUCTION DOCUMENTS		x
ECTION OF INSTALLATION OF DECK		x
S PRIOR TO WELDING:		•
FIONS (WPS) AVAILABLE	x	
FOR WELDING CONSUMABLES	x	
iRADE)	x	
	x	
S DURING WELDING:		1
	X	
DING CONSUMABLES	x	
ND SPEED, MOISTURE,	x	
	x	
S AFTER WELDING:	L	I
ELDS, INCLUDING SUPPORT, SIDELAP,		x
E CRITERIA		x
		x
ECTION OF WELDS		x
S PRIOR TO MECHANICAL FASTENING:		
STRUCTIONS AVAILABLE FOR	x	
ASTENER INSTALLATION	x	
CAL FASTENERS	X	
S DURING MECHANICAL FASTENING:	I	I
EQUIRED	x	
CORDANCE WITH MANUFACTURER'S	x	
S AFTER MECHANICAL FASTENING:	I	
LLATION OF SUPPORT FASTENERS		x
LLATION OF SIDELAP FASTENERS		x
LLATION OF PERIMETER FASTENERS		x
		x
ECTION OF MECHANICAL FASTENERS		×

STATEMENT OF SPECIAL INSPECTION:

- THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE WORK BEING DONE IS ON THE PREMISES OF A FABRICATOR THAT IS REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVED FABRICATORS MUST SUBMIT A CERTIFICATE OF COMPLIANCE FOR OFFSITE FABRICATIONS SUCH AS STRUCTURAL STEEL, PRECAST CONCRETE, GLUED LAMINATED TIMBER, ETC. ALL INSPECTIONS SHALL BE PERFORMED BY INDEPENDENT SPECIAL INSPECTORS. JOB SITE VISITS BY THE STRUCTURAL ENGINEER OR BUILDING OFFICIAL DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR
- INSPECTIONS BY A SPECIAL INSPECTOR. 4. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND ENGINEER OF RECORD. THE FINAL REPORT BY THE SPECIAL INSPECTOR(S) MUST CERTIFY THAT THE ENTIRE STRUCTURAL SYSTEM COMPLIES WITH THE APPROVED PLANS AND SPECIFICATIONS.
- 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 AND AT THE COMPLETION OF THE WORK.
- . INSPECTION TASKS ARE AS FOLLOWS: PERIODIC OR OBSERVE:

THE INSPECTOR SHALL OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS. IN THE EVENT THAT OBSERVATIONS DETERMINE THAT THE MATERIALS AND/OR WORKMANSHIP ARE NOT IN CONFORMANCE WITH THE APPLICABLE DOCUMENTS, ADDITIONAL INSPECTIONS SHALL BE PERFORMED TO DETERMINE THE EXTENT OF NON-CONFORMANCE.

CONTINUOUS OR PERFORM: THESE TASKS SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT. 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

OPEN-WEB STEEL JOISTS AND JOIST GIRDERS		
ТҮРЕ	PERIODIC	CONTINUOUS
INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS:		
END CONNECTIONS - WELDING OR BOLTED	х	
BRIDGING - HORIZONTAL OR DIAGONAL	х	
STANDARD BRIDGING	х	
BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN IBC SECTION 2207.1	x	
CONCRETE CONSTRUCTION		
ТҮРЕ	PERIODIC	CONTINUOUS
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	X	
REINFORCING BAR WELDING:		
VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	x	
INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	Х	
INSPECT ALL OTHER WELDS		X
INSPECT ANCHORS CAST IN CONCRETE	Х	
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:		
ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS		x
MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	X	
VERIFY USE OF REQUIRED DESIGN MIX	х	
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE		x
INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		x
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	X	
INSPECT PRESTRESSED CONCRETE FOR:		
APPLICATION OF PRESTRESSING FORCES		x
GROUTING OF BONDED PRESTRESSING TENDONS		x
INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	х	
VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	х	
INSPECT FORMWORK SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER FORMED	х	

<u>SOILS</u>

Х

3

ТҮРЕ	PERIODIC	CONTINUOUS
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	X	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	x	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL		x
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	X	

4

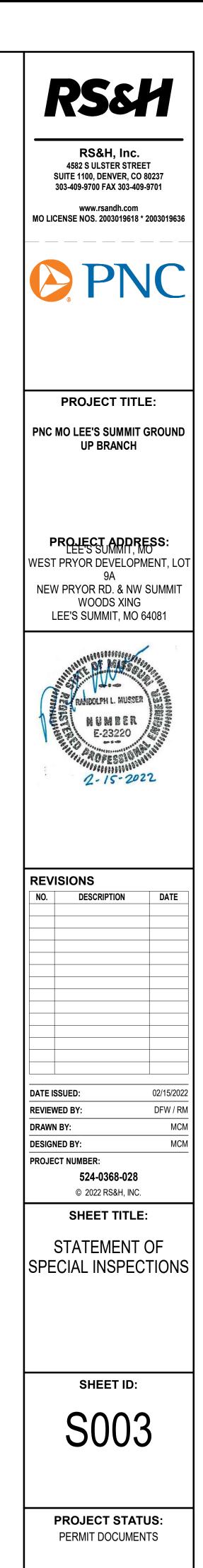
CONCRETE MASONRY (LEVEL 2)

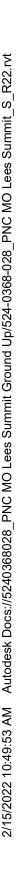
SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE PROGRAM REQUIREMENTS OF TMS 402 AND TMS 602. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF TMS 402 AND 602 AND THE TABLE BELOW, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

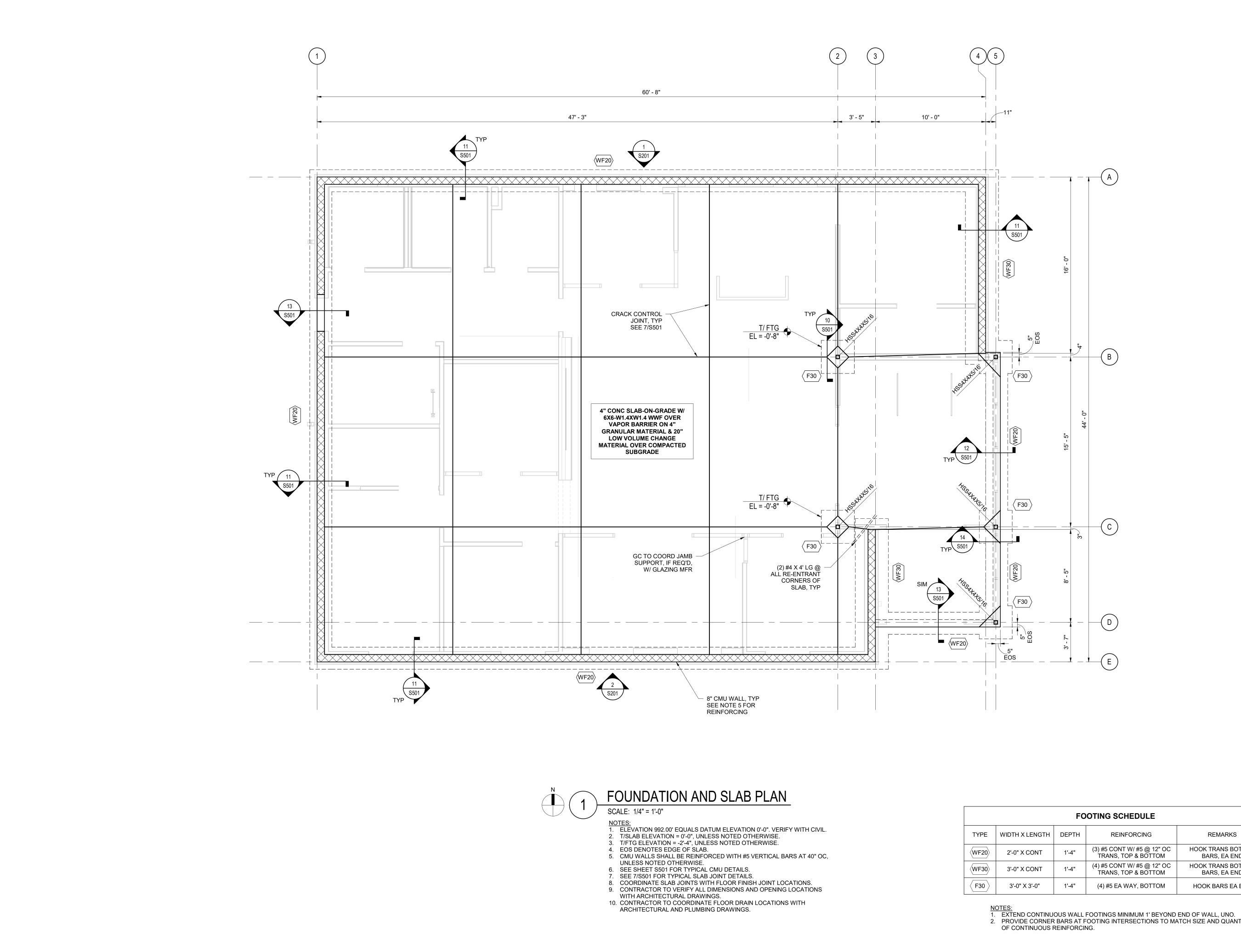
ТҮРЕ	PERIODIC	CONTINUOUS	
PRIOR TO CONSTRUCTION, VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	X		
PRIOR TO CONSTRUCTION, VERIFY f_m and f_{AAC} , EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE	x		
DURING CONSTRUCTION, VERIFY SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE	x		
AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		1	
PROPORTIONS OF SITE-PREPARED MORTAR	X		
GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	X		
GRADE, TYPE & SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	X		
PRESTRESSING TECHNIQUE			
PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X ^(a)	X ^(a)	
SAMPLE PANEL CONSTRUCTION	X		
PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:			
GROUT SPACE	X		
PLACEMENT PRESTRESSING TENDONS AND ANCHORAGES	X		
PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	x		
PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	x		
VERIFY DURING CONSTRUCTION:		1	
MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	X		
PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION	X		
SIZE AND LOCATION OF STRUCTURAL ELEMENTS	X		
TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	x		
WELDING OF REINFORCEMENT		x	
PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	x		
APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE		x	
PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE		x	
PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN- BED MORTAR JOINTS	X ^(a)	X ^(a)	
OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	x		

(a) CONTINUOUS REQUIRED FOR FIRST 5,000 SF, PERIODIC REQUIRED

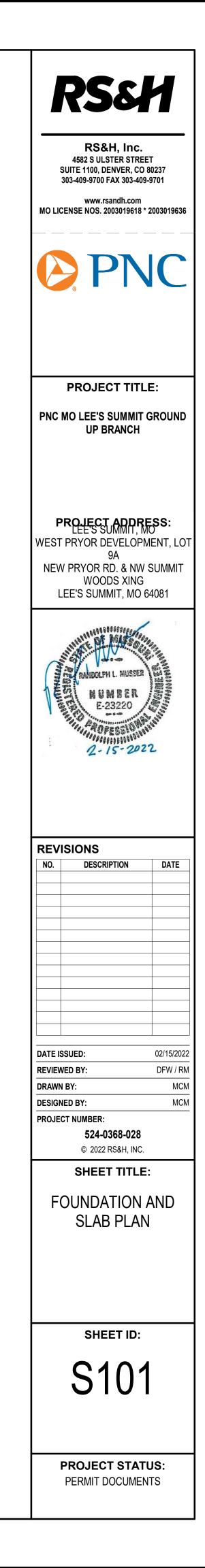






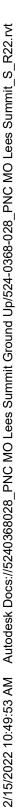


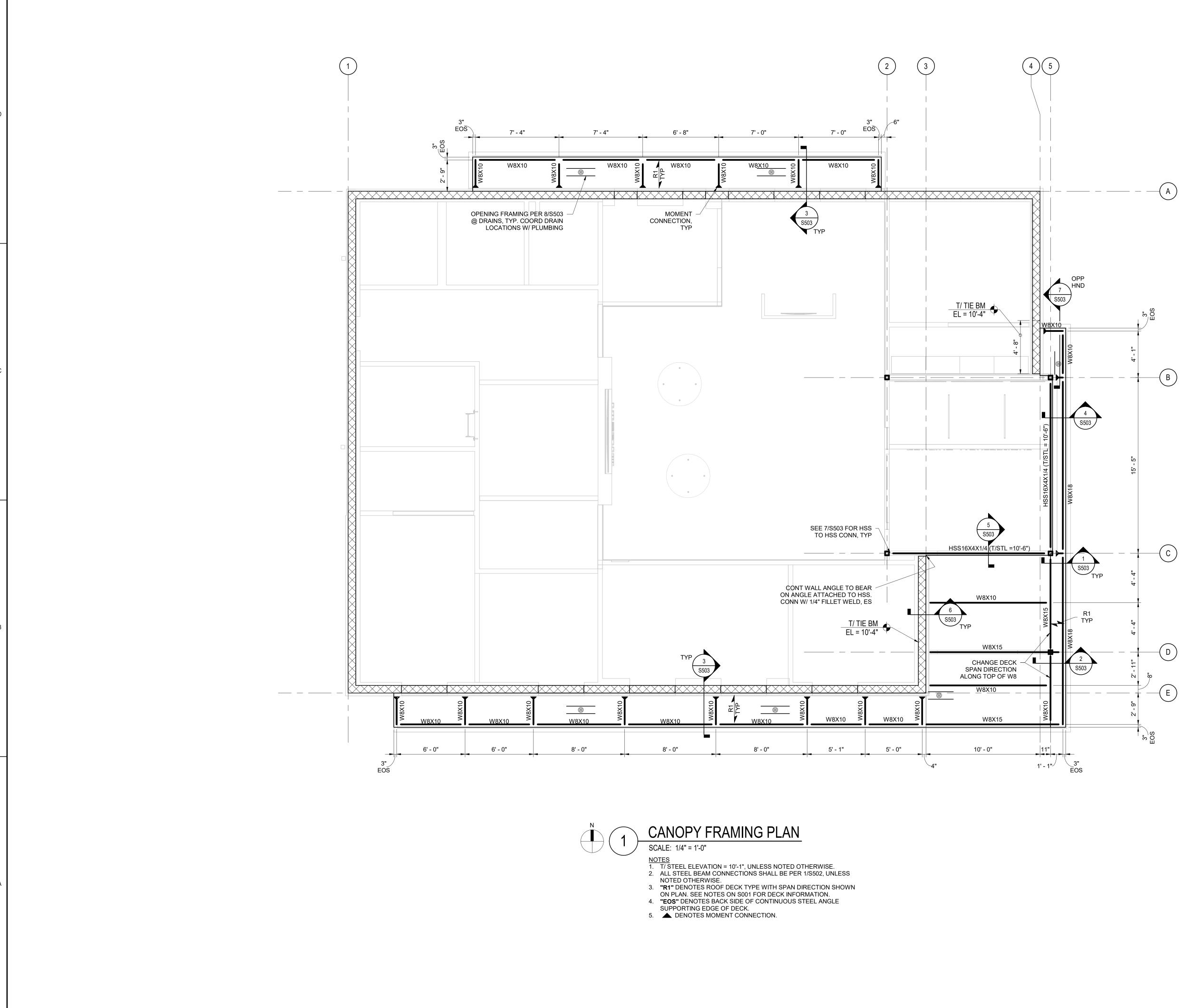
TYPE	WIDTH X
WF20	2'-0" X
WF30	3'-0" X
F30	3'-0" X

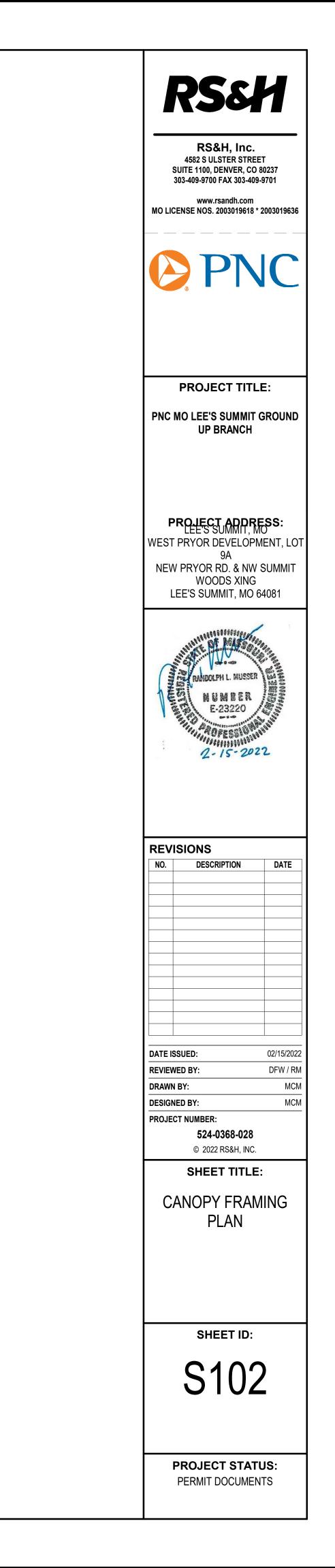


FOOTING SCHEDULE			
GTH	DEPTH	REINFORCING	REMARKS
Т	1'-4"	(3) #5 CONT W/ #5 @ 12" OC TRANS, TOP & BOTTOM	HOOK TRANS BOTTOM BARS, EA END
т	1'-4"	(4) #5 CONT W/ #5 @ 12" OC TRANS, TOP & BOTTOM	HOOK TRANS BOTTOM BARS, EA END
1	1'-4"	(4) #5 EA WAY, BOTTOM	HOOK BARS EA END

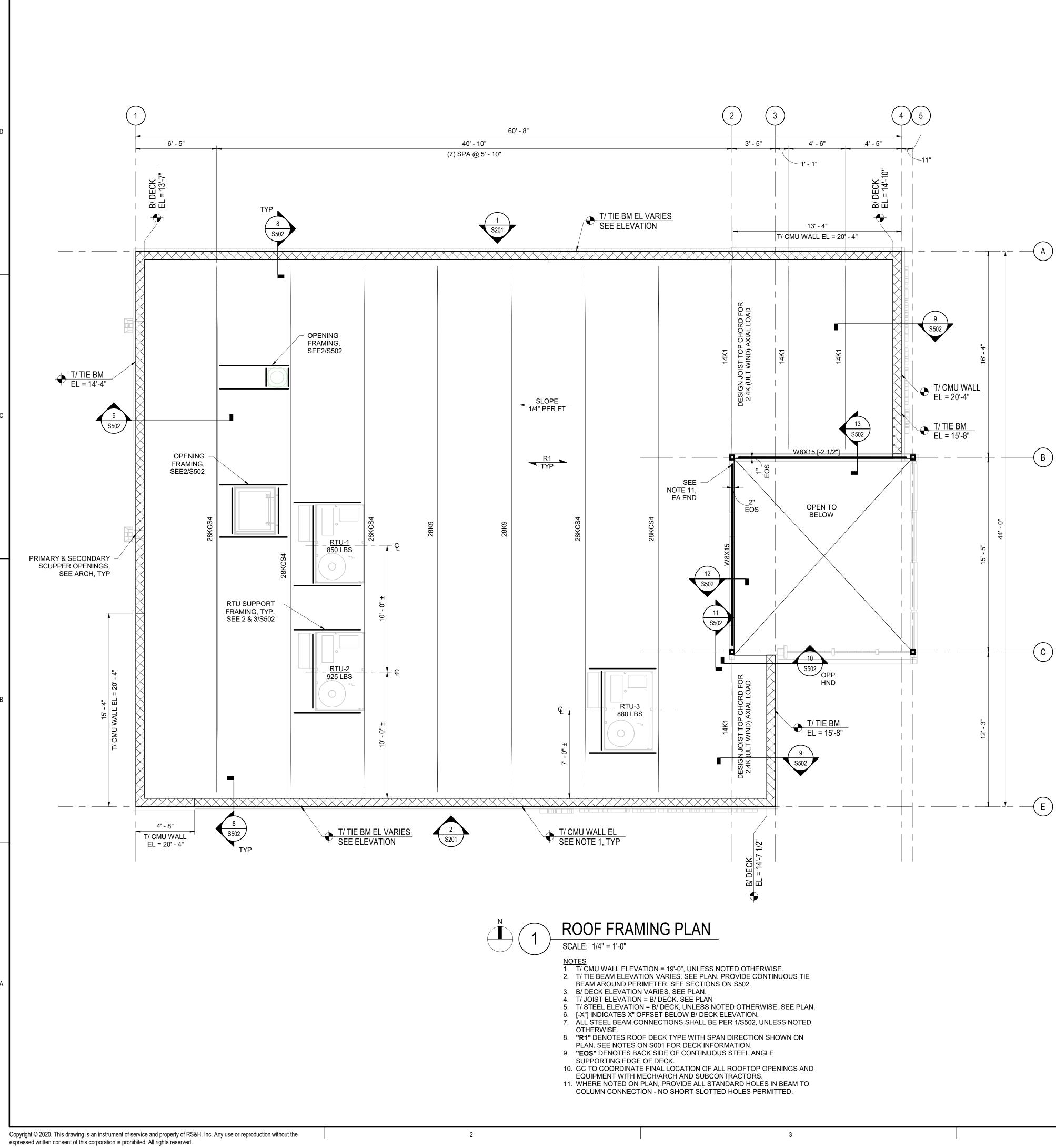
2. PROVIDE CORNER BARS AT FOOTING INTERSECTIONS TO MATCH SIZE AND QUANTITY





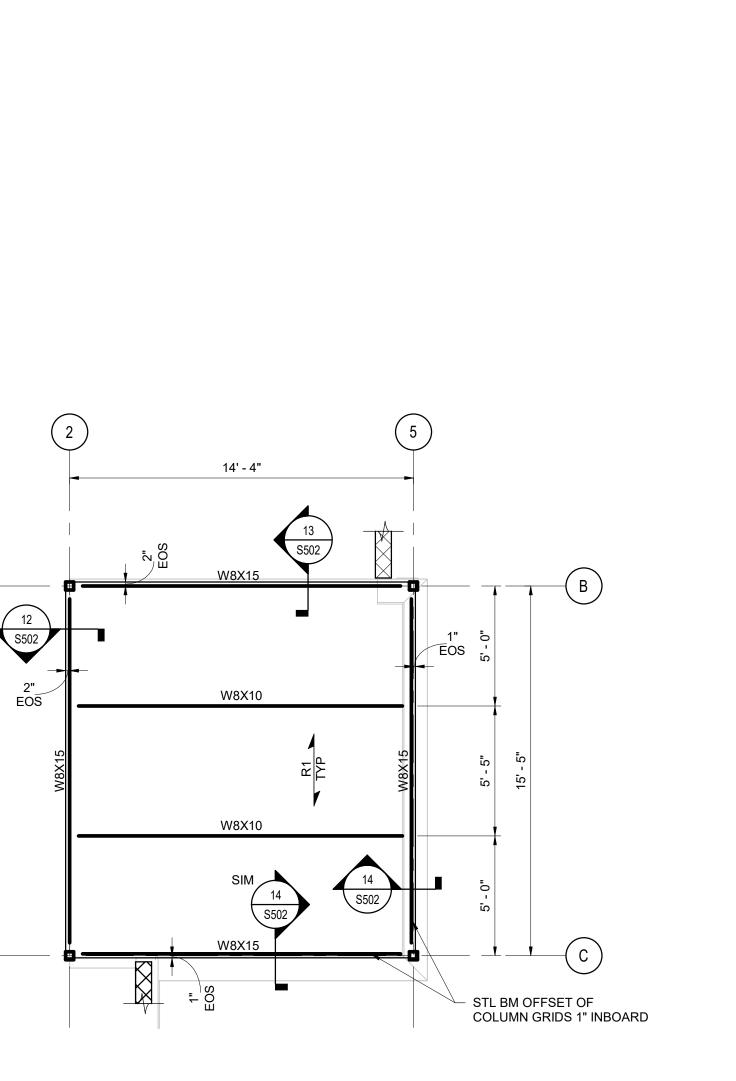






2

3



5

ENTRY HIGH ROOF FRAMING PLAN

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

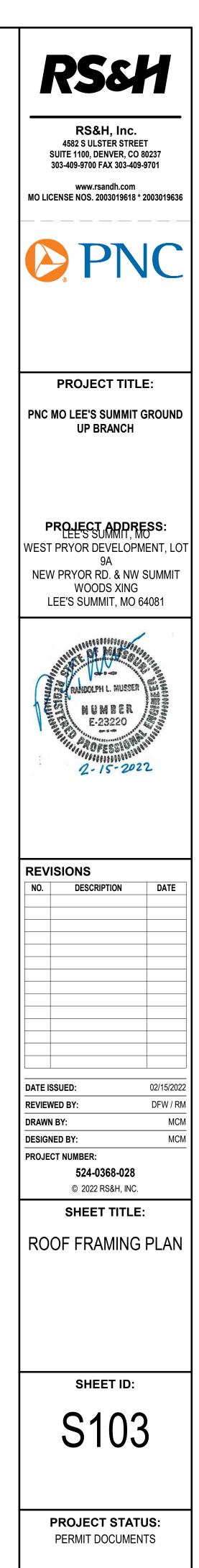
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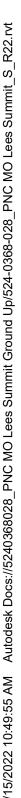
4

4

- <u>NOTES</u> 1. T/ STEEL ELEVATION = 17'-3". 2. ALL STEEL BEAM CONNECTIONS SHALL BE PER 1/S502, UNLESS
- NOTED OTHERWISE.
- 3. **"R1"** DENOTES ROOF DECK TYPE WITH SPAN DIRECTION SHOWN ON PLAN. SEE NOTES ON S001 FOR DECK INFORMATION.

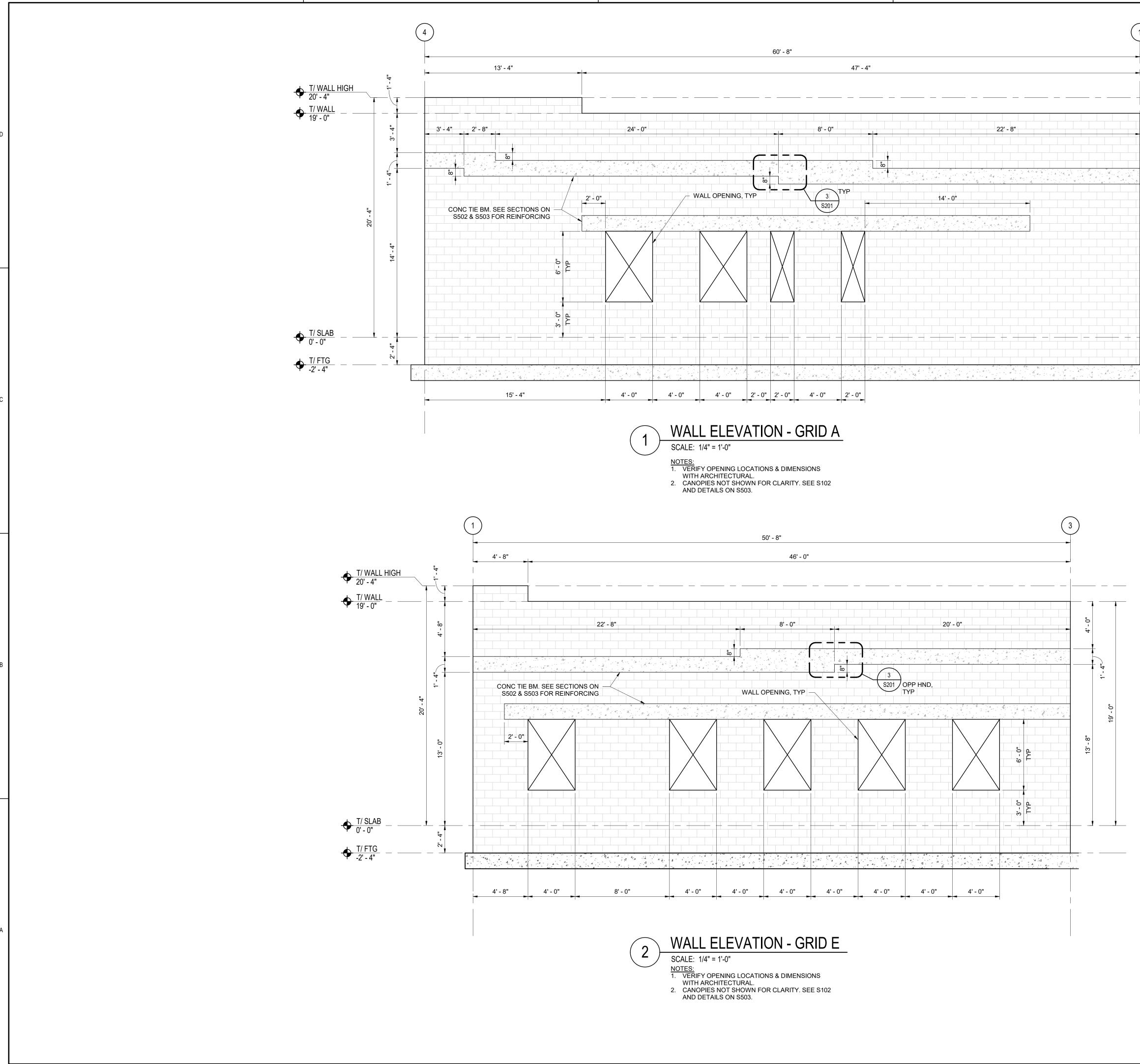
- 4. "EOS" DENOTES BACK SIDE OF CONTINUOUS STEEL ANGLE
- SUPPORTING EDGE OF DECK.

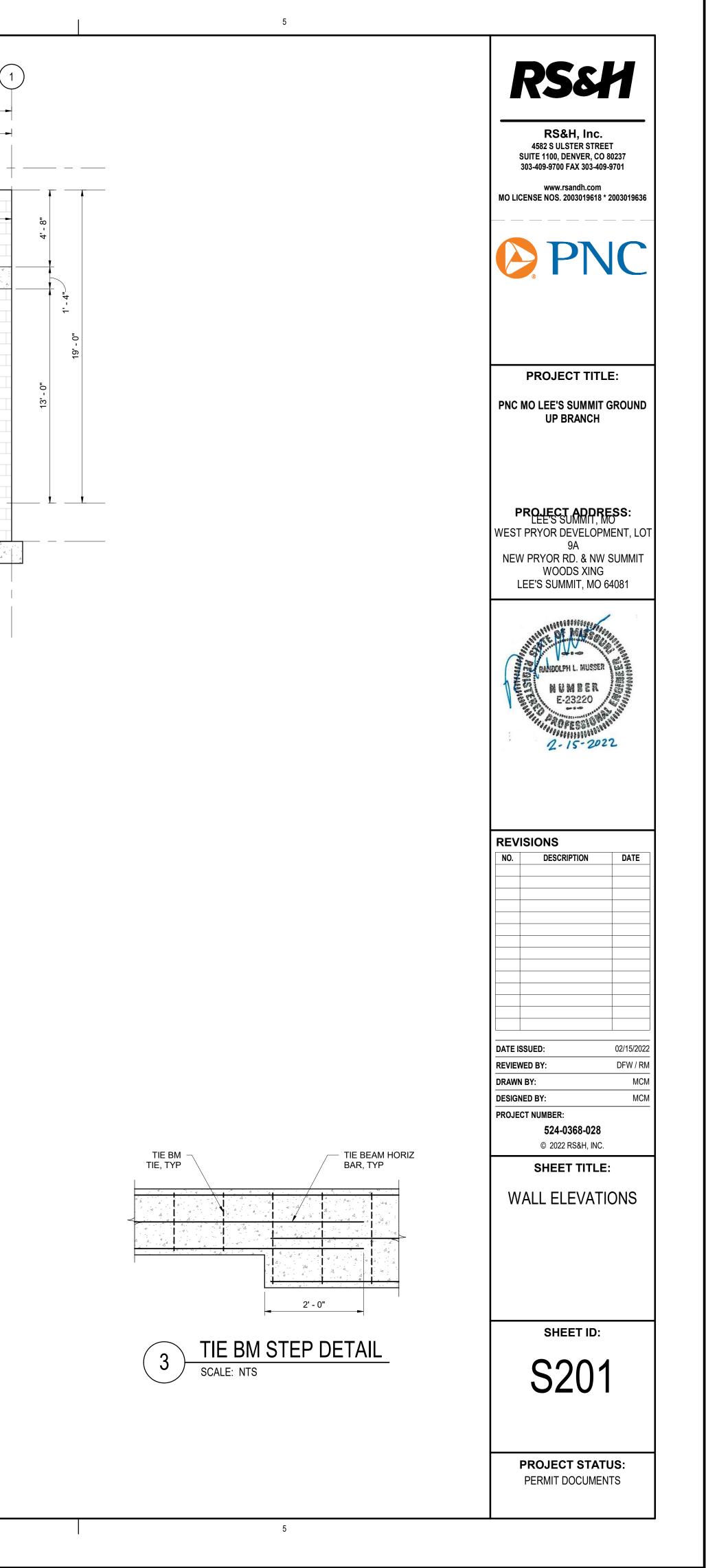


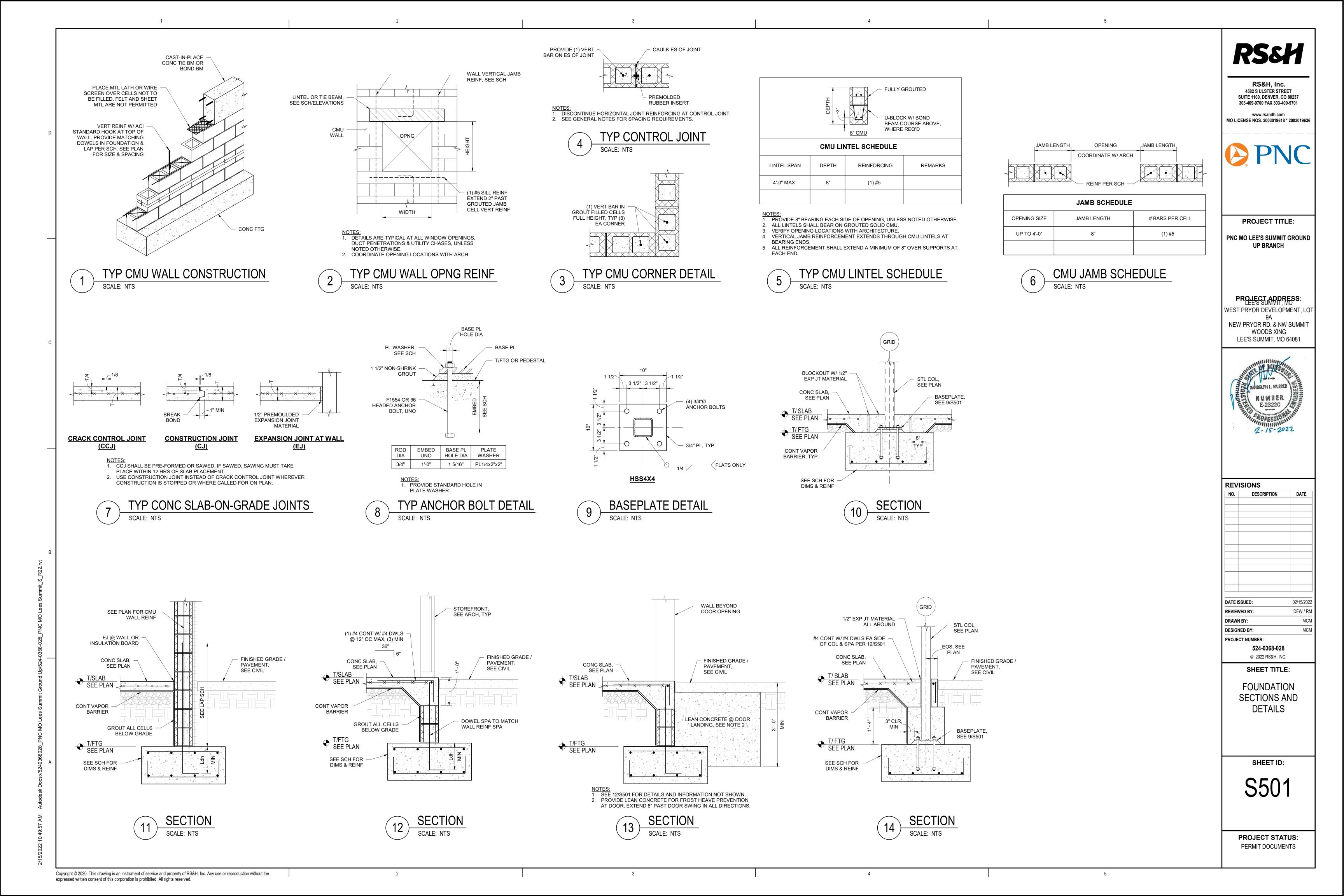


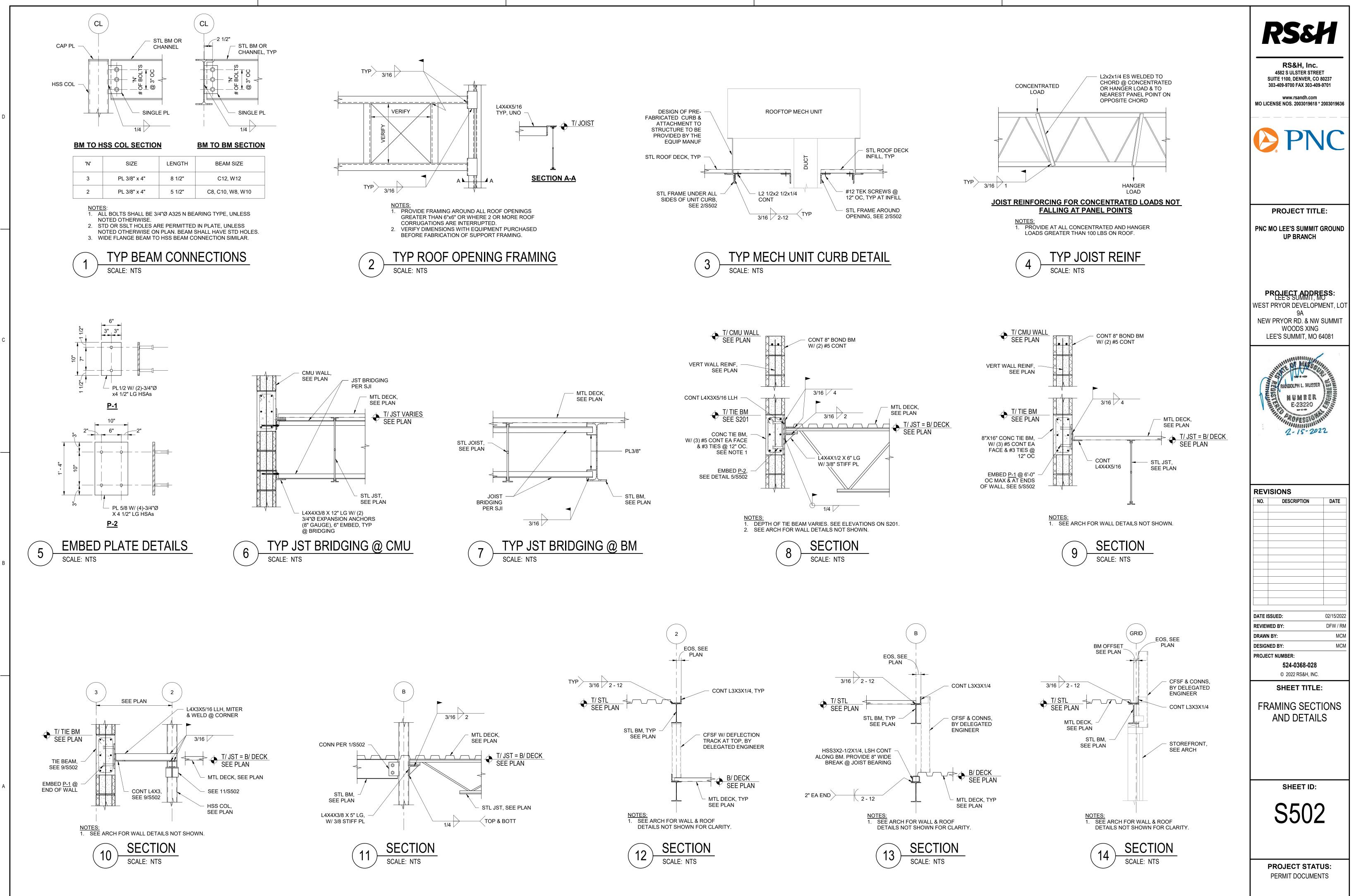
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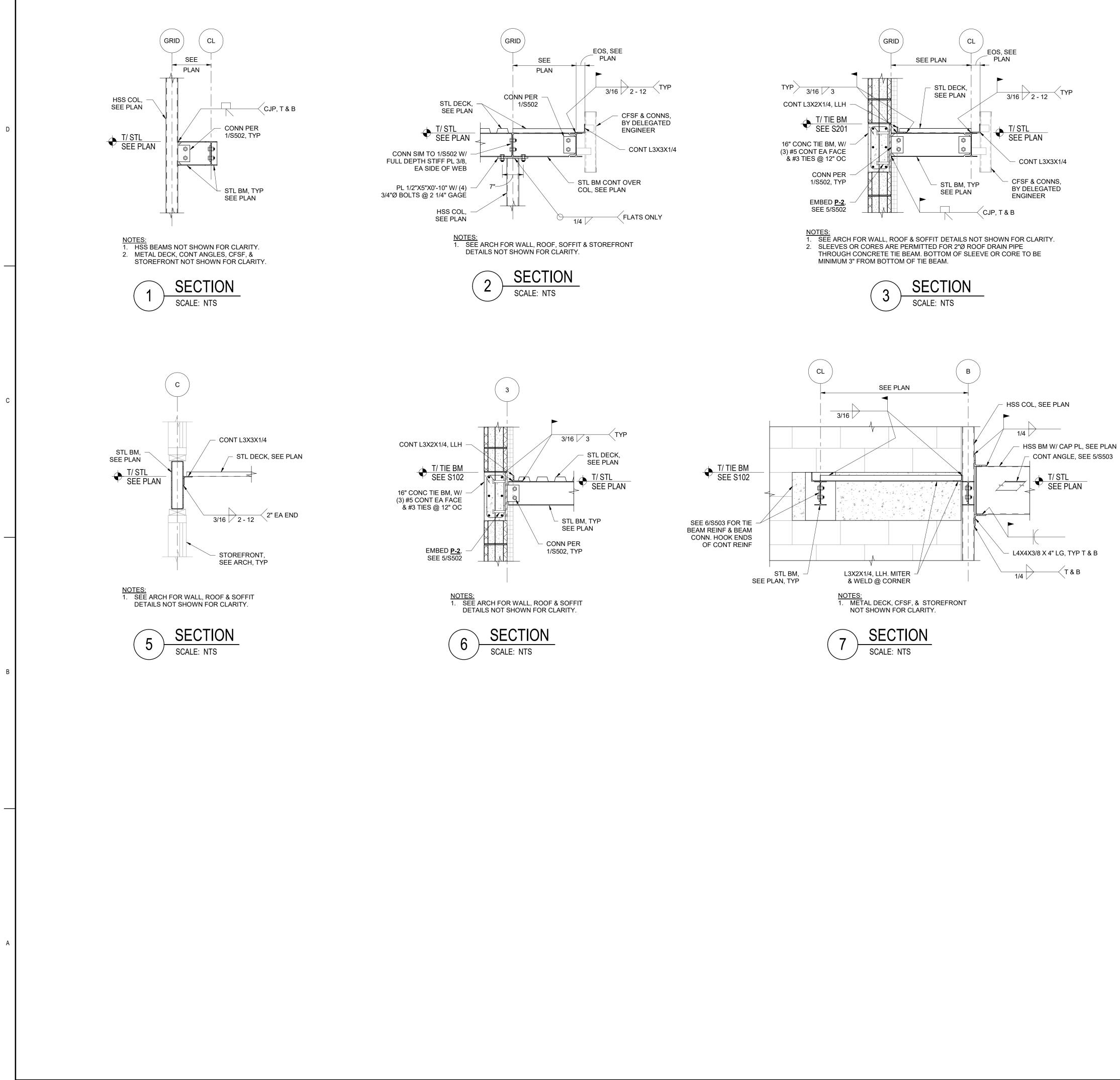




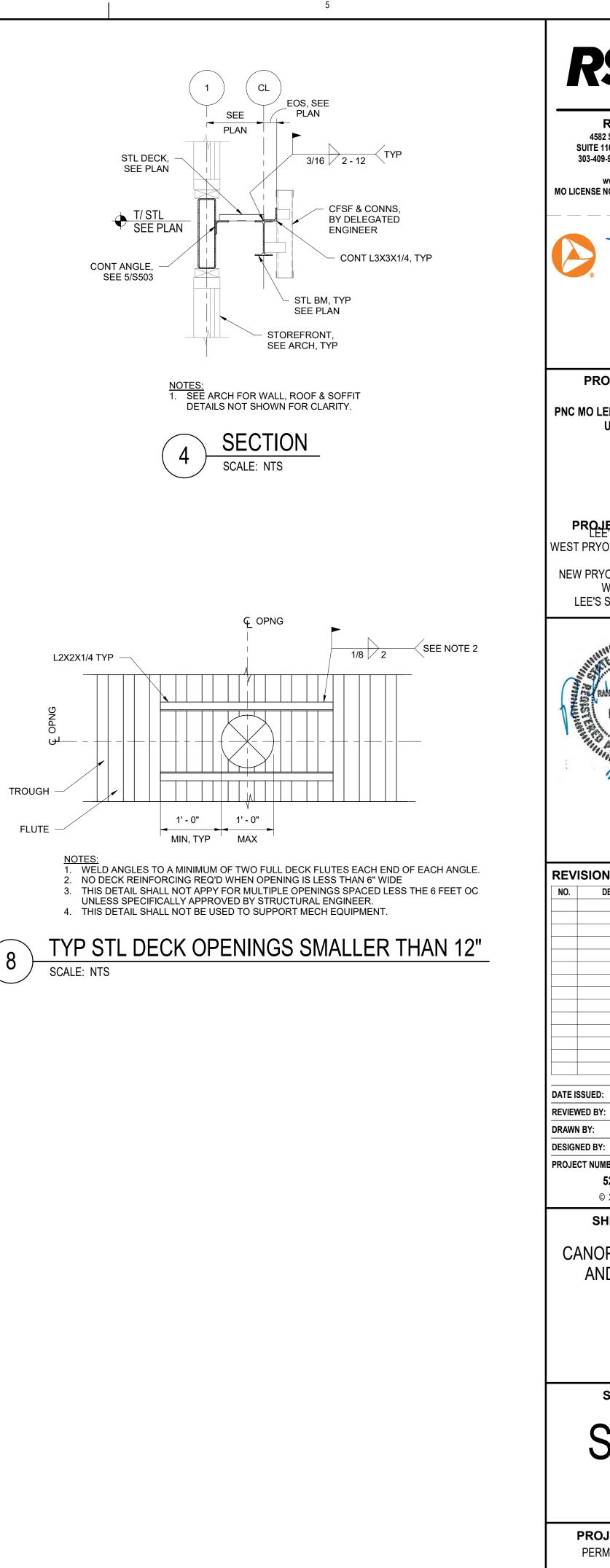


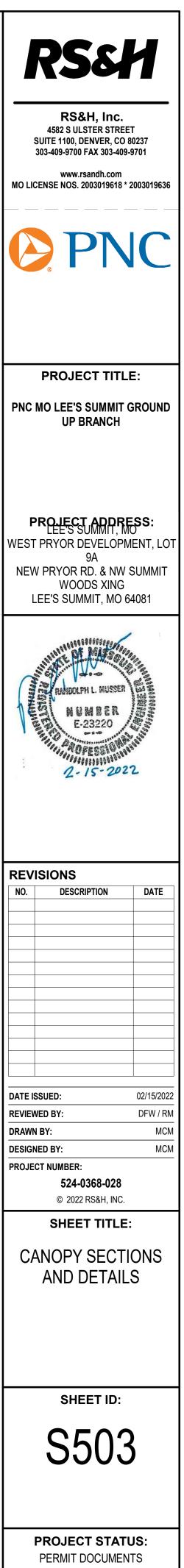


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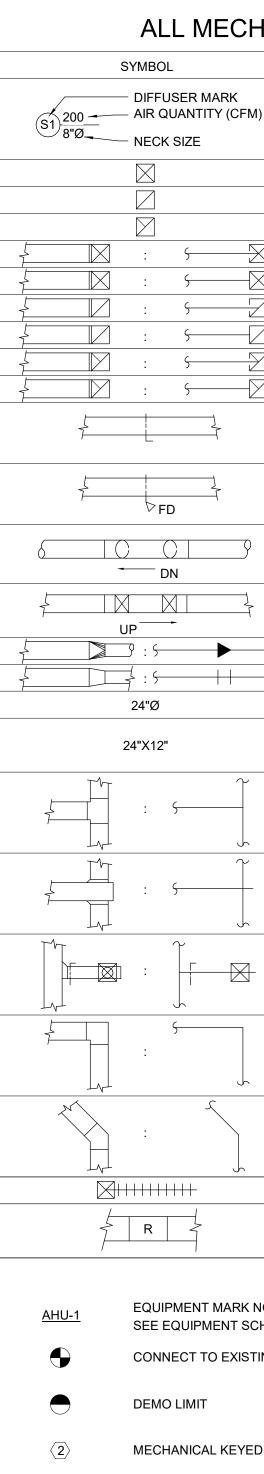




GENERAL NOTES:

- 1. ALL WORK SHALL COMPLY WITH THE CURRENT INTERNATIONAL BUILDING, MECHANICAL, AND PLUMBING CODES, AND APPLICABLE NFPA CODES.
- 2. COORDINATE MECHANICAL WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID INTERFERENCE AND MAINTAIN CLEARANCES. COORDINATE WITH BUILDING OWNER'S ROOFING CONTRACTOR FOR ROOFING IN NEW CURBS, VENTS, AND OTHER ROOF PENETRATIONS OR ROOF-MOUNTED EQUIPMENT 3. FURNISH APPROVED OPERATING INSTRUCTIONS FOR ALL NEW EQUIPMENT. THE OPERATING INSTRUCTIONS SHALL INCLUDE WIRING DIAGRAMS, CONTROL SCHEMATICS, AND MAINTENANCE
- REQUIREMENTS FOR EACH SYSTEM. 4. 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. 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. PROVIDE VALVE TAGS FOR ALL VALVES. DUCTWORK JACKETS AND SIMILAR FINISHES MAY BE IDENTIFIED WITH STENCIL PAINTING. 7. PROVIDE SLEEVES FOR ALL DUCTWORK AND PIPING PENETRATIONS. PLACE SLEEVES PRIOR TO
- COMPLETION OF NEW CONSTRUCTION WHERE POSSIBLE. 8. 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. 9. 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. 10. PROVIDE ELASTOMERIC PADS BENEATH ALL PAD MOUNTED EQUIPMENT WITH ROTATING PARTS, INCLUDING CONDENSING UNITS. PADS SHALL BE 5/16-INCH MINIMUM THICKNESS WAFFLED OR RIBBED NEOPRENE. PROVIDE 3/8-INCH THICK NEOPRENE AND ABS STRIPS (KELLET LP-13 OR EQUAL) FOR CURB-MOUNTED ROOFTOP UNITS.
- 11. ROOFTOP UNITS, AIR HANDLERS, AND CONDENSING UNITS SHALL HAVE INTERNAL VIBRATION ISOLATION FOR FANS AND COMPRESSORS, UTILIZING OPEN-SPRING OR NEOPRENE ISOLATORS, FREESTANDING AND LATERALLY STABLE WITH NO HOUSING.
- 12. 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. MAXIMUM FLAME-SPREAD/SMOKE-DEVELOPED RATING 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.
- 13. INSULATE ALL DUCTWORK, PLENUMS, FAN CABINETS AND EQUIPMENT CASINGS EXCLUDING PRE-INSULATED FLEXIBLE DUCTS AND PRE-INSULATED EQUIPMENT. INSULATE THE BACKS OF SUPPLY AIR DIFFUSERS AND GRILLES.
- 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 FLEXIBLE FIBERGLASS BLANKET WITH FSK JACKET. ALL SEAMS, JOINTS AND PUNCTURES IN EXTERNAL INSULATION JACKET SHALL BE SEALED WITH GLASS-REINFORCED FABRIC AND VAPOR-BARRIER MASTIC.
- 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. FITTINGS SHALL BE WROUGHT-COPPER, ANSI B16.22, STREAMLINED PATTERN. BRAZING FILLER METAL SHALL BE AWS A5.8, CLASSIFICATION BAG-1 (SILVER). INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ASHRAE STANDARD 15. ARRANGE PIPING TO ALLOW NORMAL INSPECTION AND SERVICING OF COMPRESSOR AND OTHER EQUIPMENT. INSTALL VALVES AND SPECIALTIES IN ACCESSIBLE LOCATIONS. PROVIDE
- LIQUID AND SUCTION SERVICE PORTS AND ISOLATION VALVES FOR EACH CIRCUIT. INSPECT, TEST, AND PERFORM CORRECTIVE ACTION OF REFRIGERANT PIPING IN ACCORDANCE WITH ASME CODE B31.5. CHAPTER VI. REPAIR LEAKING JOINTS USING NEW MATERIALS, AND RETEST FOR LEAKS. THOROUGHLY DRY AND EVACUATE PIPING SYSTEMS BEFORE CHARGING. 17. HVAC EQUIPMENT SHALL BE UL APPROVED, EQUAL TO THAT SCHEDULED ON THE DRAWINGS. ALL
- EQUIPMENT SHALL BE FACTORY TESTED. SYSTEMS SHALL COMPLY WITH ARI STANDARD 210. CONDENSING UNITS SHALL BE FACTORY-ASSEMBLED, PRE-PIPED AND PRE-WIRED UNITS SUITABLE FOR OUTDOOR USE CONSISTING OF COATED CALVANIZED STEEL CABINET, HERMETIC SCROLL COMPRESSOR(S), COPPER-TUBE CONDENSING COIL, ALUMINUM PROPELLAR FAN(S), INTEGRAL SUBCOOLING CIRCUIT(S), REFRIGERANT PIPING, REFRIGERATION SPECIALTIES, AND CONTROLS. PROVIDE FULL 5-YEAR PARTS AND LABOR WARRANTY ON AIR-CONDITIONING COMPRESSORS. INSTALLER SHALL ANCHOR CONDENSING-UNIT TO CONCRETE PAD.
- 18. ALL EQUIPMENT SHALL HAVE DISCONNECTS AND OVERCURRENT PROTECTION AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. COORDINATE WITH WORK OF DIVISION 26.
- 19. ALL DUCTWORK SHALL BE GALVANIZED STEEL, CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. FLEXIBLE DUCTS AND DUCT CONNECTORS SHALL BE UL-181, CLASS 1 WITH FLAME-SPREAD/SMOKE-DEVELOPED RATINGS OF 25/50 OR LESS, FABRICATED WITH METAL HELIX REINFORCEMENT AND MINIMUM R-6 INSULATION BETWEEN FIRE-RETARDANT INNER LINER AND GLASS TAPE, AND NYLON HANGING CORD. SECURE FLEXIBLE DUCT TO COLLAR OR SLEEVE WITH DUCT SEALER, 1/2-INCH CLAMPS AND SHEET METAL SCREWS. SECURE INSULATION COVER WITH GLASS FABRIC AND MASTIC. PROVIDE RIGID ROUND DUCTS WHERE RUNOUT LENGTHS EXCEED 3 FEET. PROVIDE LISTED GAS VENT FOR WATER HEATER, INCLUDING ROOF THIMBLE AND CAP.
- 20. MANUAL VOLUME-CONTROL DAMPERS SHALL HAVE MINIMUM 16-GAUGE GALVANIZED-STEEL FRAMES AND MINIMUM 20-GAUGE FORMED BLADES. GALVANIZED STEEL AXLE SHALL HAVE BEARINGS AT BOTH ENDS AND SHAFT SHALL EXTEND SO THAT OPERATOR CLEARS EXTERNAL INSULATION. PROVIDE INDICATING QUADRANT AND LOCKING DEVICE. USE SINGLE-BLADE DAMPERS FOR WIDTHS UP TO 8 INCHES AND OPPOSED-BLADE DESIGN FOR SIZES ABOVE 8 INCHES. 21. FABRICATE TURNING VANES ACCORDING TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS,
- FIGURES 2-2 THROUGH 2-7. 22. FLEXIBLE DUCT CONNECTORS SHALL BE FABRICATED OF FLAME-RETARDED OR NONCOMBUSTIBLE FABRICS, COATINGS, AND ADHESIVES COMPLYING WITH UL STANDARD 181, CLASS 1, WITH METAL-
- EDGED CONNECTORS. PROVIDE FLEXIBLE DUCT CONNECTORS AT CONNECTION OF NEW DUCTWORK TO FAN TERMAINL UNITS. 23. AIR DEVICES SHALL BE EQUAL TO PRODUCTS SCHEDULED. TEST AND RATE AIR OUTLETS AND INLETS
- IN ACCORDANCE WITH ARI 650 "STANDARD FOR AIR OUTLETS AND INLETS". MOUNTINGS SHALL BE LAY-IN TYPE FOR ACOUSTICAL PANEL CEILINGS AND SURFACE-MOUNT WITH 1-1/4 INCH BORDER FOR GYPSUM-BOARD CEILINGS (REFER TO REFLECTED CEILING PLANS) OR WALLS. LOUVERS SHALL BE ALUMINUM EXTRUSIONS, ASTM B 221, ALLOY 6063-T52, WITH INDICATED AIRFLOW AND ZERO WATER PENETRATION AT 700 FEET PER MINUTE. PROVIDE LOUVERS WITH FRAME AND SILL STYLES THAT ARE COMPATIBLE WITH ADJACENT SUBSTRATE AND MANUFACTURED TO FIT INTO WITH ACCURATE FIT AND ADEQUATE SUPPORT. PROVIDE 1/4-INCH SQUARE MESH ANODIZED ALUMINUM WIRE SCREENS MOUNTED IN REMOVABLE EXTRUDED ALUMINUM FRAMES.
- 24. PROVIDE TEST AND BALANCE OF ALL HVAC SYSTEMS BY AN INDEPENDENT TEST AND BALANCE FIRM, WHO IS NEBB OR AABC CERTIFIED WITH A MINIMUM OF 5 YEARS EXPERIENCE. TESTING, ADJUSTING AND BALANCING SHALL CONFORM TO ASHRAE, ANSI AND EITHER NEBB "PRODEDURAL STANDARDS FOR TESTING, ADJUSTING, BALANCING OR ENVIRONMENTAL SYSTEMS" OR AABC MN-1 "NATIONAL STANDARDS", AS APPLICABLE TO MECHANICAL AIR DISTRIBUTION SYSTEMS, ASSOCIATED EQUIPMENT AND APPARATUS.

25. MOUNT THERMOSTAT AT 4'-0" AFF €.



TYPICAL DRAWING SYMBOLS ALL MECHANICAL DRAWINGS

יואר	NICAL DRAWINGS
	DESCRIPTION
/)	AIR DEVICE DESIGNATION
	SUPPLY GRILLE
	RETURN GRILLE
	EXHAUST GRILLE
$\overline{\times}$	SUPPLY AIR ELBOW DOWN
$\overline{\times}$	SUPPLY AIR ELBOW UP
	RETURN AIR AIR ELBOW DOWN
	RETURN AIR AIR ELBOW UP
\geq	EXHAUST AIR ELBOW DOWN
\geq	EXHAUST AIR ELBOW UP
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	ROUND DUCT OFF-SET UP (UP) OR (DN)
	RECTANGULAR DUCT OFF-SET UP (UP) OR (DN)
<u> </u>	RECTANGULAR TO ROUND TRANSITION
<u> </u>	DUCT SIZE TRANSITION
	LOW AND MEDIUM VELOCITY ROUND DUCT SIZE
	LOW AND MEDIUM VELOCITY RECTANGULAR DUCT SIZE FIRST NUMBER INDICATES SIZE FOR SIDE SHOWN. SIZES INDICATED ARE FREE AREA DIMENSIONS.
	TEE WITH SINGLE THICKNESS AIRFOIL TYPE TURNING VANES
	TEE, BRANCH TAKE-OFF (RECTANGULAR TO RECTANGULAR) (RETURN & EXHAUST ONLY)
-	45° RECTANGULAR BRANCH TAKE-OFF TO DIFFUSER (TAP OUT OF BOTTOM OF BRANCH)
	90° ELBOW WITH SINGLE THICKNESS TYPE TURNING VANES
	45° ELBOW WITH SINGLE THICKNESS TYPE TURNING VANES
	FLEXIBLE DUCT & DIFFUSER
	DUCT RISE (R) OR DROP (D) IN DIRECTION OF AIR FLOW (SINGLE LINE & DOUBLE LINE SYMBOLS)
NO. CHEDU TING	LETTERS FOR DIAGRAMS & SECTIONS. NUMBERS FOR DETAILS & FLOOR PLANS
	SHEET ON WHICH SECTION OR DETAIL IS ACTUALLY DETAILED
D NOT	E

	MECHANICAL SYSTEM
A	AMPS, AMPERE
ABV	ABOVE
A/C	AIR CONDITIONER
ADJ AFF	ADJACENT ABOVE FINISHED FLOOR
AFF	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AUX	AUXILIARY
BD	
BLDG	BUILDING BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
втин	BRITISH THERMAL UNIT PER HOUR
C/C	COOLING COIL
CD	
CFH CFM	CUBIC FEET PER HOUR CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	CEILING
CO	CLEAN OUT
COND	CONDITION
CONST	CONSTRUCTION
COP	COEFFICIENT OF PERFORMANCE
СТ	COOLING TOWER
CU	CONDENSING UNIT
CW	COLD WATER (DOMESTIC)
CWR CWS	CONDENSER WATER RETURN CONDENSER WATER SUPPLY
DB	DRY BULB
DD	DIRECT DRIVE
DFU	DRAINAGE FIXTURE UNITS
DIA	DIAMETER
DIFF	DIFFUSER DOWN
DTL	DETAIL
DWG	
DX	DIRECT EXPANSION
EA	-
EAT	ENTERING AIR TEMPERATURE ELECTRIC DUCT HEATER
EDH	
EF	
EL	ELEVATION
	ELECTRICAL
	ELEVATOR
ENT	EMERGENCY ENTERING
EQ	EQUAL, EQUIVALENT
EQUIP	EQUIPMENT
ESP	
EWT	
ERV EXH	ENERGY RECOVERY VENTILATOR EXHAUST
	EXISTING
EXT	EXTERNAL
EXP	EXPANSION
°F	
FA FCU	FREE AREA FAN COIL UNIT
FCO	FLOOR CLEANOUT
FD	FIRE DAMPER
FD	FLOOR DRAIN
FF	FINAL FILTER
FF	
FIXT	FIXTURE FLOOR
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE CONNECTION
FPV	FAN POWERED VAV TERMINAL UNIT
FPM	FEET PER MINUTE
FT FTU	FEET FAN POWERED VAV TERMINAL UNIT
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H HD	HEIGHT HUB DRAIN

3

IORIZ	HORIZONTAL
ΙP	HORSEPOWER
	HEATING
	HEATING, VENTILATION, AND A/C HOT WATER (DOMESTIC)
	HOT WATER RETURN
IWS	HOT WATER SUPPLY
	HERTZ
-	
	INCHES WATER COLUMN KILOWATT
	LENGTH
AT	LEAVING AIR TEMPERATURE
	LATENT (BTU)
	POUNDS LEAVING WATER TEMPERATURE
	MAXIMUM
	MECHANICAL
	MINIMUM
	MISCELLANEOUS MOUNTING
	MOTOR
/IVD	MANUAL VOLUME DAMPER
I/A	
	NATIONAL ELECTRIC CODE NATIONAL FIR PROTECTION ASSOCIATION
	NOT IN CONTRACT
ITS	NOT TO SCALE
A	
)BD)C	OPPOSED BLADE DAMPER ON CENTER
)P	OPERATING
DZ	OUNCE
	PRESSURE DROP
	PERFORATED PLUMBING
	POUNDS PER SQUARE INCH
VC	POLYVINYL CHLORIDE
	RETURN AIR REFLECTED CEILING PLAN
	REFERENCE
	RETURN GRILLE
	RELATIVE HUMIDITY REQUIRED
	RUNNING LOAD AMPS
	ROOM
	REVOLUTIONS PER MINUTE ROOFTOP UNIT
SA	SUPPLY AIR
BEER	SEASONAL ENERGY EFFICIENCY RATIO
SENS	SENSIBLE (BTU)
SF SFU	SUPPLY FAN SUPPLY FIXTURE UNITS
	STATIC PRESSURE
SPECS	SPECIFICATIONS
S, SAN SS	SANITARY SEWER STAINLESS STEEL
STD	STANDARD
-STAT	THERMOSTAT
	TEMPERATURE TRANSFER GRILLE
	TOTAL (BTU)
	TYPICAL
	UNDERCUT (DOOR) UNDER FLOOR
	UNIT HEATER
	UNLESS OTHERWISE NOTED
	VENT
	VOLTS VARIABLE AIR VOLUME
	VARIABLE FREQUENCY DRIVE
	VENT THRU ROOF
	WATTS WET BULB
	WALL CLEANOUT
	WATER HEATER
	WITH WITHOUT
., J	

4

EMS ABBREVIATIONS

MECHANICAL LEGEND

ABBREVIATION	SYMBOL	DESCRIPTION
CD	CD	CONDENSATE DRAIN
RL/RS	RL/RS	REFRIGERANT LIQUID AND SUCTION
		(ONE LINE SHOWN FOR CLARITY)
	T	THERMOSTAT, 4'-0" AFF €
	S	TEMPERATURE SENSOR, 4'-0" AFF €
	SD	DUCT SMOKE DETECTOR

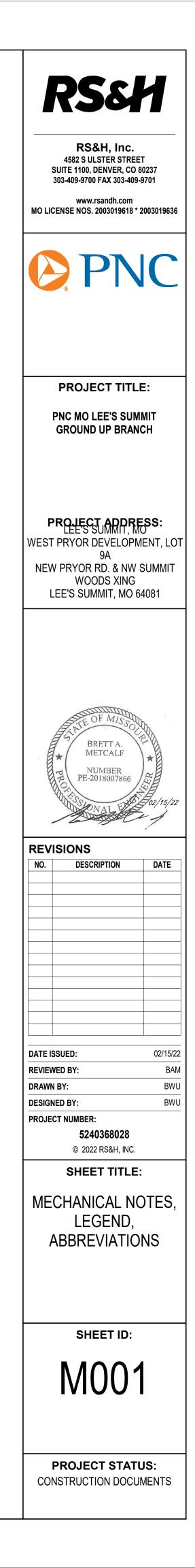
CODES AND STANDARDS

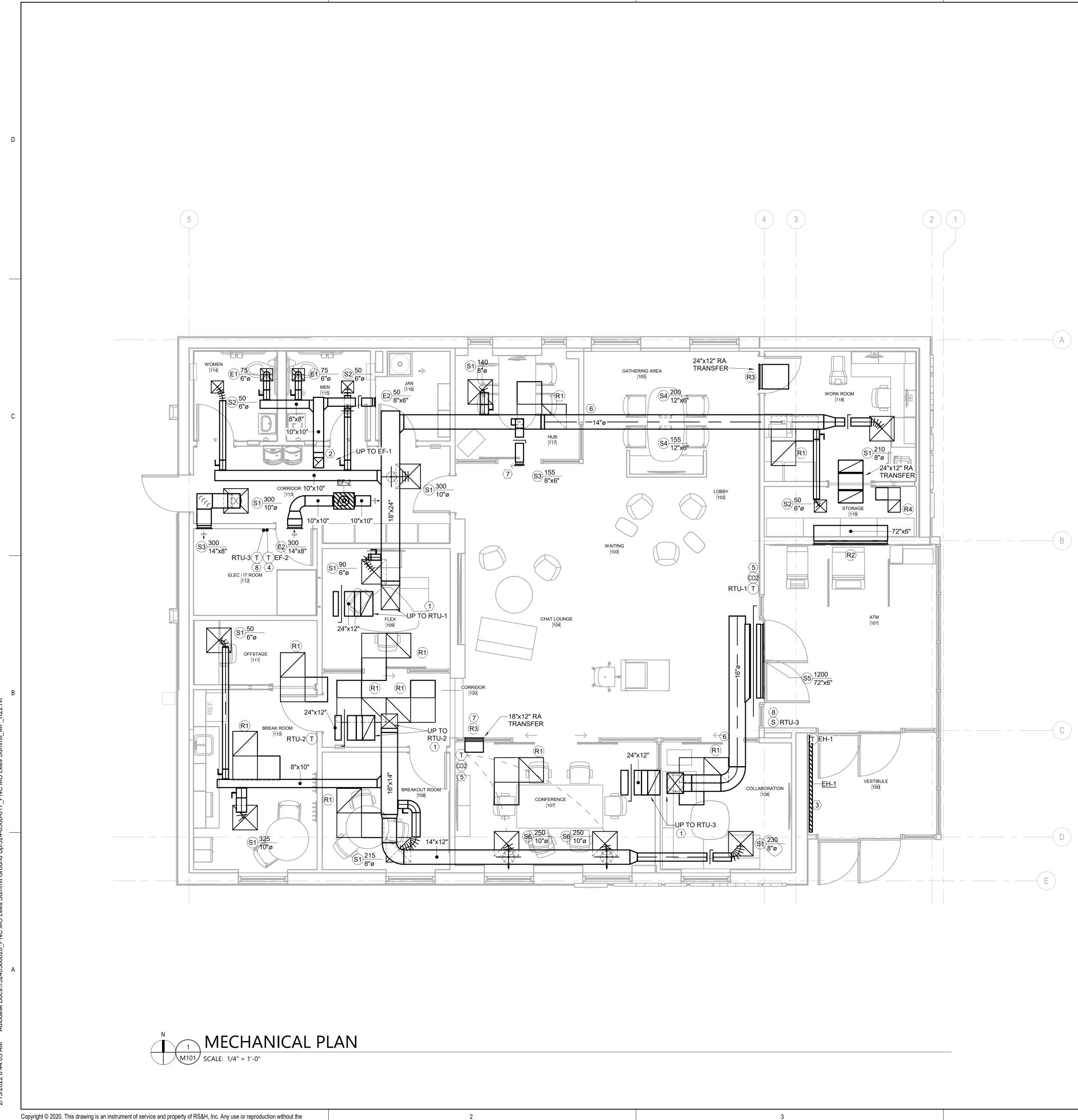
THE FOLLOWING CODES, INCLUDING LOCAL AMENDMENTS ADOPTED BY THE CITY OF LEE'S SUMMIT, MISSOURI APPLY TO THIS PROJECT:

2018 INTERNATIONAL BUILDING CODE AND LOCAL AMENDMENTS 2017 NATIONAL ELECTRICAL CODE AND LCOAL AMMENDMENTS 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

CONDENSATE DRAIN SIZING CHART

EQUIPMENT CAPACITY IN TONS OF REFRIGERATION	MINIMUM PIPE DIAMETER IN INCHES
UP TO 10 TONS	0.75
11-40	1.00
41-90	1.25
91-125	1.50
126-250	2.00





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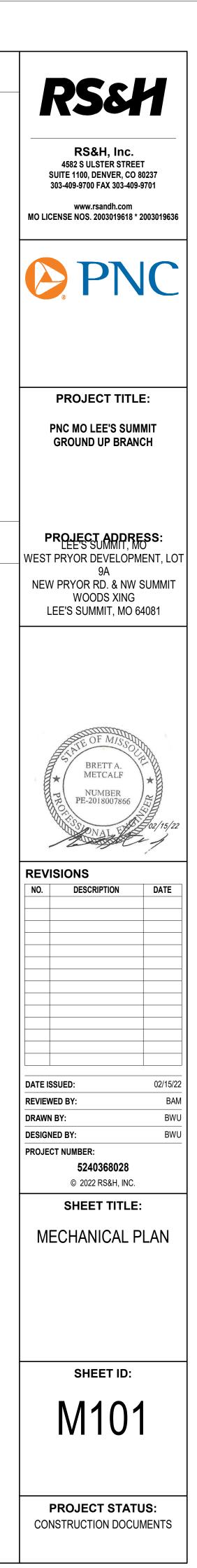
GENERAL NOTES

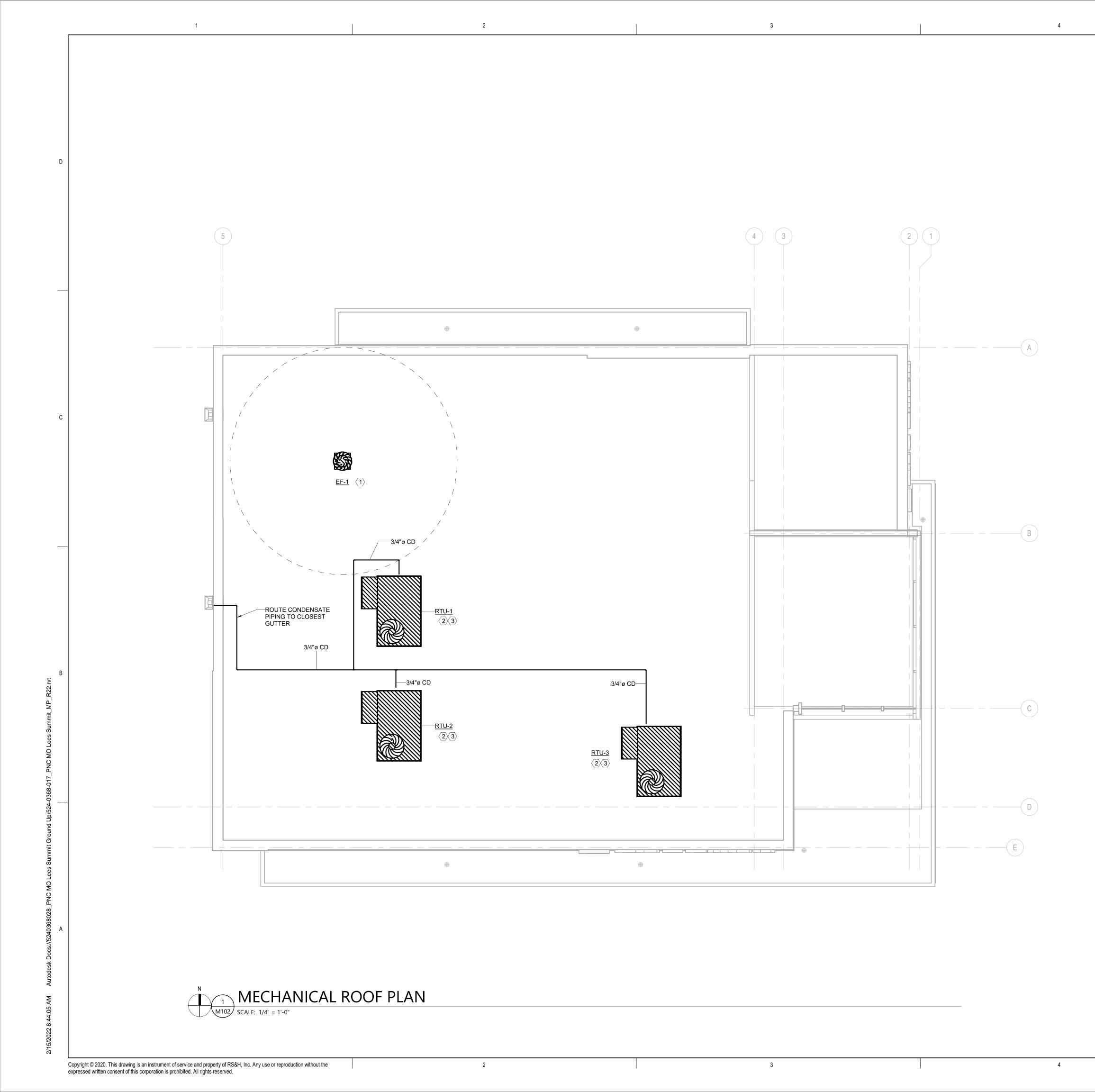
- 1 CONTRACTOR SHALL PROGRAM THERMOSTAT (HONEYWELL VISION PRO 8000) SET POINTS PRIOR TO END OF CONSTRUCTION: HEATING - 70°F OCCUPIED, 60°F UNOCCUPIED; COOLING - 74°F OCCUPIED, 80°F UNOCCUPIED. SET ACCORDING TO BANK HOURS OF OPERATION. THERMOSTATS AND SENSORS SHALL BE ALIGNED WITH LIGHTING CONTROL DEVICES.
- 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 ISNTALLING 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.

5





MECHANICAL GENERAL NOTES

5

- 1. PROVIDE INSULATED ROOF CURB FOR SUPPORT OF ALL HVAC EQUIPMENT.
- 2. 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.



RS&H

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www.rsandh.com

MO LICENSE NOS. 2003019618 * 2003019636

PROJECT TITLE:

PNC MO LEE'S SUMMIT GROUND UP BRANCH

KEYED NOTES O

- 1. MAINTAIN 10' CLEARANCE FROM EXHAUST FAN TO ANY ROOF EDGE AND ANY FRESH AIR INTAKE.
- 2. MECHANICAL CONTRACTOR TO PROVIDE 2" MERV 13 FILTERS UPON SIGNIFICANT COMPLETION OF PROJECT.
- 3. 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.

5

PROJECT ADDRESS: LEE'S SUMMIT, MO WEST PRYOR DEVELOPMENT, LOT

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



 REVISIONS

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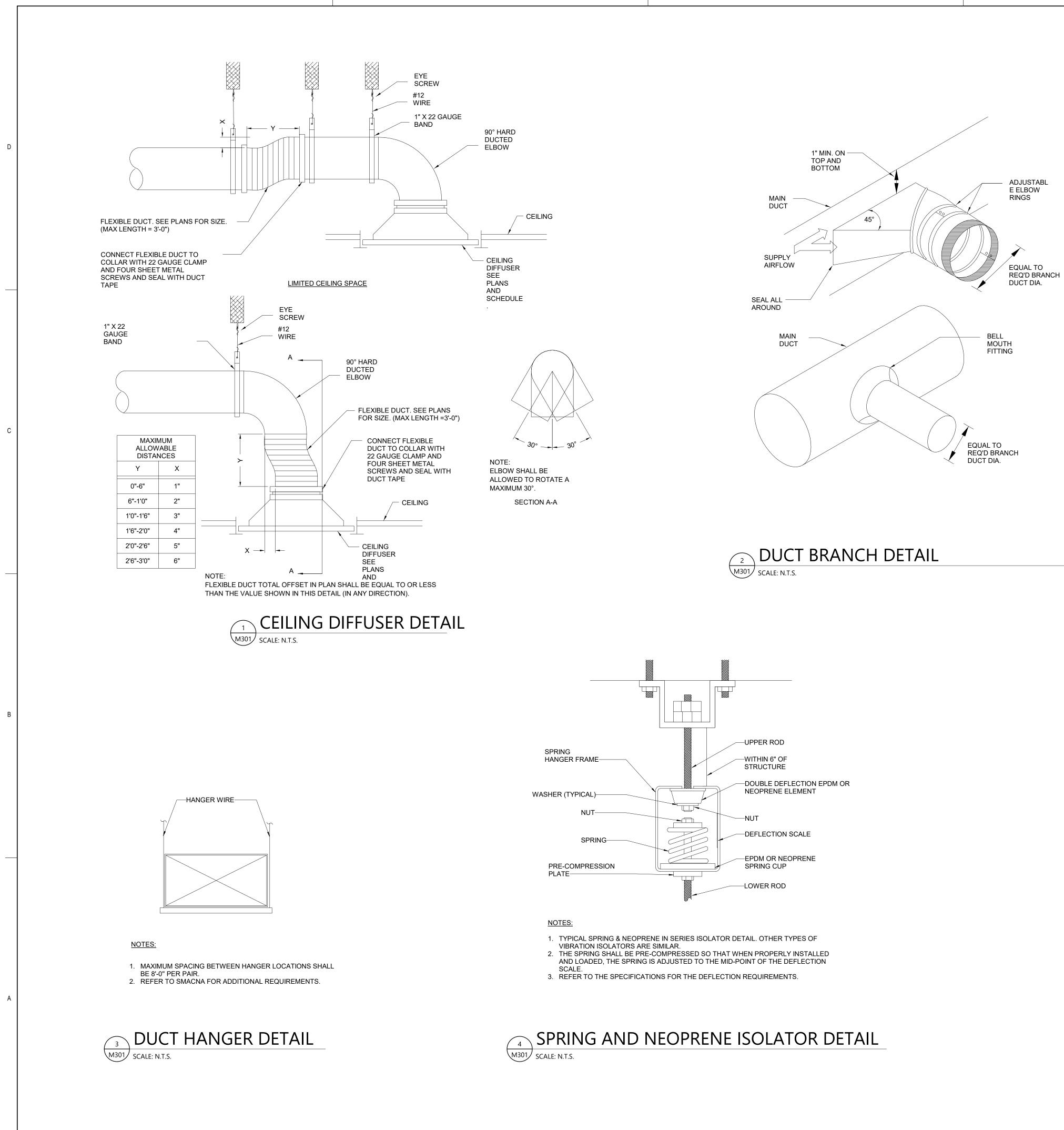
SHEET TITLE:

ROOF PLAN

SHEET ID:

M102

PROJECT STATUS: CONSTRUCTION DOCUMENTS



2

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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

COORDINATE FRAMING, SEE S502 FOR ROOF OPENING AS MORE DETAIL-REQUIRED BY EQUIPMENT SUPPLIED

CURB WITH BUILT-IN CANT. FLASH AND COUNTERFLASH WEATHERRPROOF TIGHT

BIRDSCREEN-PREFAB INSULATED ROOF

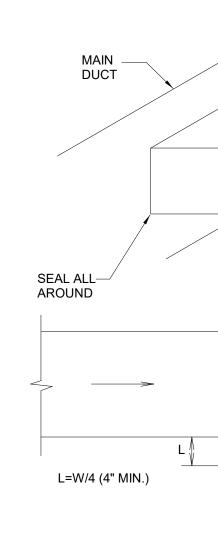
CURBS. ATTACH TIE DOWN POINTS WITH 1/8" DIAMETER STAINLESS STEEL CABLES. RATING)

WEATHERPROOF

ATTACH COWLING TO ROOF (WHERE REQUIRED BY WIND

ALUMINUM HOUSING-

3



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PROJECT STATUS: CONSTRUCTION DOCUMENTS

EXHAUST FAN DETAIL (TYP.)

3. PROVIDE TIE-DOWN POINTS AND ATTACH PER MANUFACTURER'S RECOMMENDATIONS.

-TYPICAL EXHAUST FAN

-FAN BASE - HEAVY

GAUGE STEEL, ONE PIECE CONSTRUCTION

-ANCHOR EQUIPMENT

CURB TO STRUCTURE

-SEE ARCHITECTURAL

DWGS. FOR ROOF

CONSTRUCTION

STEEL SCREWS, ALL SIDES.

-SECURE TO CURB WITH STAINLESS

5

— W – INDICATING QUADRANT AND LOCKING DEVICE

MAIN

DUCT

45°

BRANCH DUCT

BALANCING DAMPER (BD.) WHERE INDICATED ON DRAWING. MINIMUM OF 1 DUCT DIA. FROM MAIN DUCT. PROVIDE

TOP AND BOTTOM 1/4 BRANCH DUCT WIDTH, BUT MIN. 4"

1" MIN. ON

5

EQUAL TO REQ'D BRANCH DUCT DIMENSIONS

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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







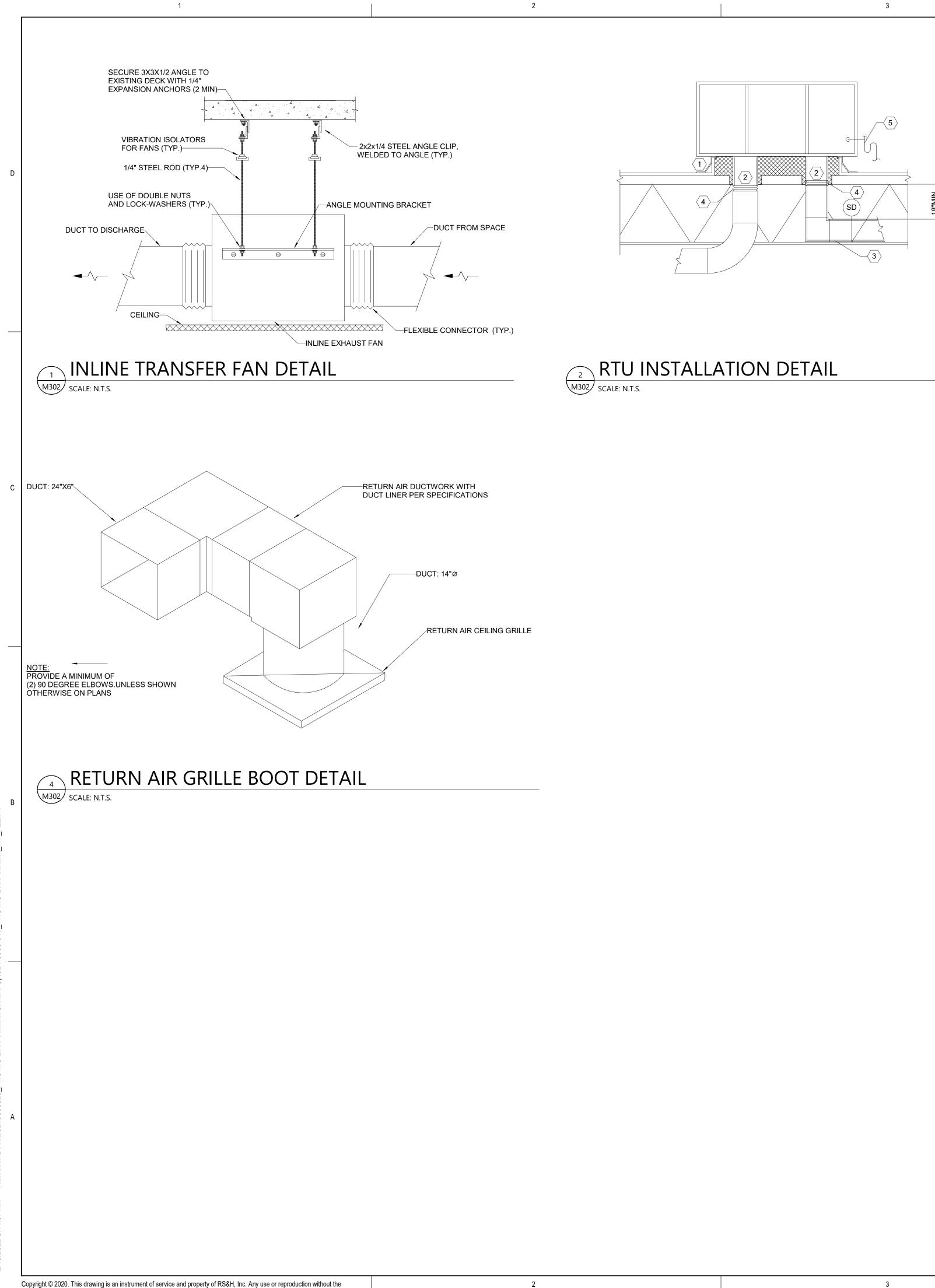
REVISIONS NO. DESCRIPTION DATE DATE ISSUED: 02/15/22 **REVIEWED BY:** BAM DRAWN BY: BWU DESIGNED BY: BWU

PROJECT NUMBER: 5240368028 © 2022 RS&H, INC.

MECHANICAL DETAILS

SHEET TITLE:





KEY NOTES:

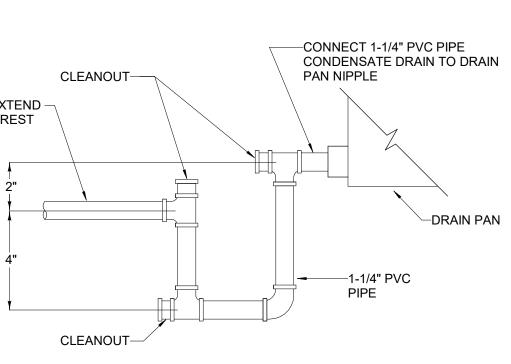
- 1. SET INSULATED ROOF CURB ON ROOF STRUCTURE - VERIFY LEVEL. SECURE ROOF CURB TO ROOF AND ROOF TOP UNIT TO ROOF
- CURB. 2. TRANSITION TO CONNECTION SIZES IN DUCT RISE,
- REFER TO PLANS FOR SIZES. 3. 1" ACOUSTIC LINER IN ENTIRE RETURN DUCTWORK
- SYSTEM. DUCT SIZES INDICATED ON PLAN ARE FREE AREA DIMENSIONS. REFER TO
- STRUCTURAL/ARCHITECTURAL DRAWINGS FOR JOIST LOCATIONS, SIZES, AND DIRECTION. FLEXIBLE CONNECTION - TYPICAL.
- PVC CONDENSATE DRAIN ROUTED TO NEAREST ROOF DRAIN AND STUB INTO DRAIN, SEE DETAIL FOR ADDITIONAL INFORMATION. SUPPORT WITH COOPER B LINE DURA-BLOK PIPE SUPPORTS.

SLOPE AND EXTEND --TOWARD NEAREST ROOF DRAIN

4



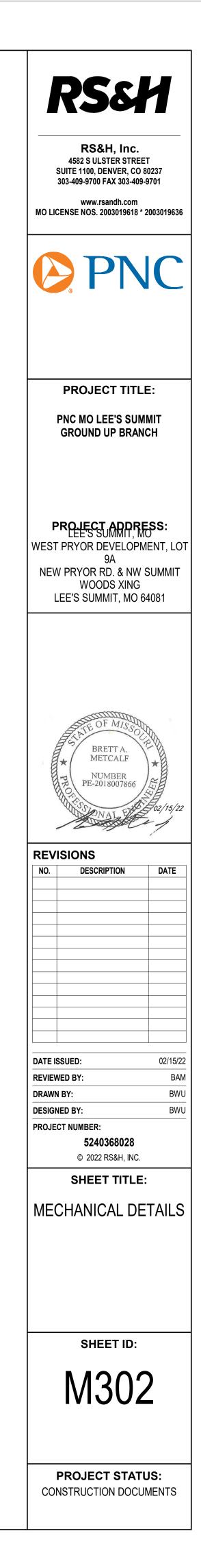
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CONDENSATE DRAIN TRAP DETAIL



			G	GAS/	ELE	CTF	RIC F	ROC	FTOF	D UN	JIT (RTU)	SCH	EDL	JLE										
					(COOLING	3					HEATING				BLOWE	R		ELEO	CTRIC	AL	OPER.			
MARK	SERVES	TON		MBH SENS	ENT DB °F	COIL WB °F	LVG. DB °F	COIL WB °F	OA DB °F	SEER (EER)	INPUT MBH	OUTPUT MBH	EFF %	CFM	ESP IN W.C.		HP (BHP)	O/A CFM	V/PH/HZ	МСА	MOCP	WEIGHT (LBS)	MFG	MODEL NUMBER	NOTES
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:

1. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE UNIT OR FILTER LOSSES.

2. R-410A REFRIGERANT ONLY. 3. FURNISH NON-FUSED DISCONNECT SWITCH WITH EXTERNAL HANDLE FOR INSTALLATION BY ELECTRICAL CONTRACTOR. 4. PNC TO PROVIDE 14" HIGH FACTORY INSULATED ROOF CURB.

5. PNC TO PROVIDE OUTSIDE AIR INTAKE HOOD. 6. PNC TO PROVIDE WITH CONVENIENCE OUTLET AT UNIT.

7. PNC TO PROVIDE WITH OUTSIDE AIR ENTHALPY CONTROLLED ECONOMIZER WITH BAROMETRIC RELIEF.

8. PNC TO PROVIDE WITH FILTER RACK TO SUPPORT MINIMUM 2" FILTER. MECHANICAL CONTRACTOR TO PROVIDE 2" MERV 13 FILTER UPON SIGNIFICANT COMPLETION OF PROJECT. 9. PNC TO PROVIDE WITH FACTORY INSTALLED DEMAND CONTROL VENTILATION.

10. PNC TO PROVIDE WITH LOW AMBIENT KIT.

11. MECHANICAL CONTRACTOR TO PROVIDE WITH SMOKE DETECTORS IN RETURN DUCTS PER CODE. CONTRACTOR TO OMIT OR DISABLE FACTORY INSTALLED SMOKE DETECTOR. 12. MECHANICAL CONTRACTOR TO PROVIDE BURGLAR BARS FOR FIELD INSTALLATION.

13. 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. 14. 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.

15. MECHANICAL CONTRACTOR TO PROVIDE CARBON DIOXIDE SENSOR AS SHOWN ON PLANS. INSTALL AT SAME HEIGHT AS LIGHT SWITCHES AND THERMOSTATS.



Project Information

Construction Site:

Energy Code: Project Title: Location: Climate Zone: Project Type:

2018 IECC

Lees Summit, Missouri 4a New Construction

Owner/Agent:

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Mechanical Systems List

Quantity System Type & Description

1 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

1 EWH-1:

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)

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.

2

But Man **BRETT METCALF - MECHANICAL ENGINEER** Name - Title Signature

	GRILLES	, REGISTER	S, AND [DIFFU	SERS			
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
CEILII 2. CONF 3. PROV 4. PROV 5. DUCT 6. PROV 7. PROV 8. PROV	(IDE "RAPID MOUNT" FRAMES BO NG PLANS. PLASTER FRAMES S IRM FINISH WITH ARCHITECT AI (IDE MOUNTING CLIPS. (IDE MOLDED INSULATED BLANK -MOUNTED VOLUME DAMPERS (IDE WITH SQUARE TO ROUND A (IDE REGISTER WITH DOUBLE D (IDE REGISTER WITH 0 DEG DEF TO BE 1/2"x1/2"x1" ALUMINUM (HALL BE FACTORY PRI ND PNC STANDARDS. KET OR INSULATE THE E SHALL BE PROVIDED A DAPTER WHERE APPLI EFLECTION. LECTION.	MED FOR FIELD BACKSIDE OF DI T TAKE-OFF.	PAINTING.				Η

			E	EXHA	UST	FA	N SC	HEDU	JLE		
				FAN		ELEC	TRICAL				
MARK	SERVICE / TYPE	AREA SERVED	CFM	ESP [in WG]	RPM	HP (W)	V/PH/HZ	MAX SONES	WEIGHT [LBS]	MANUFACTURER/MODEL	NOTES
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:

1. PROVIDE 14" TALL FACTORY INSULATED ROOF CURB WITH INTEGRAL GRAVITY BACKDRAFT DAMPER. 2. PROVIDE ANTI-BLOWING RAIN INTERNAL WIND BAND AND NEMA 3R EXTERNAL TYPE DISCONNECT SWITCH.

14. PROVIDE WITH PRESSURE RELIEF RING.

- 3. PROVIDE NEMA-1 DISCONNECT SWITCH.
- 4. PROVIDE WITH FAN SPEED CONTROLLER.
- 5. PROVIDE BIRD SCREEN. 6. FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS VIA LUTRON PANEL.
- 8. PROVIDE BACKDRAFT DAMPER. 9. PROVIDE VIBRATION ISOLATION HANGER KIT. REFER TO INLINE FAN DETAIL.

FANS SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

		1					
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:							

2. PROVIDE MODEL WITH DOVE GRAY COLORING.

4

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.

Designer/Contractor:

3

01/27/2022 Date

10. CONFIRM FINISH COLOR WITH ARCHITECT. COLOR TO MATCH DUCTWORK.

11. PROVIDE AIR SCOOP DEVICE FOR AIR VOLUME ADJUSTMENT. 12. PROVIDE POWER MODULE AND WIRING AS REQUIRED BY THE MFG.

13. PROVIDE CONTROLLER/THERMOSTAT FOR EACH PRIMARY DIFFUSER AS SHOWN ON PLAN.

7. FAN SHALL TO BE RUN BASED ON THERMOSTAT SET AT 80 DEGREES. THERMOSTAT SHALL BE BARBER COLMAN TC-1161. PROVIDED BY MECHANICAL CONTRACTOR.

5

RADIANT COVE HEATER SCHEDULE

1. PROVIDE WITH INTEGRAL THERMOSTAT, NEMA 1 ENCLOSURE PANEL, AND MOUNTING BRACKETS.

	RS&	1
	RS&H, Inc. 4582 S ULSTER STREET SUITE 1100, DENVER, CO 80 303-409-9700 FAX 303-409-9	0237
MO LI	www.rsandh.com CENSE NOS. 2003019618 * 2	
	PN	C
	PROJECT TITLE PNC MO LEE'S SUMI GROUND UP BRANC	MIT
WEST NEV	PROJECT ADDRE LEE'S SUMMIT, MC PRYOR DEVELOPM 9A V PRYOR RD. & NW S WOODS XING LEE'S SUMMIT, MO 64	ENT, LOT SUMMIT
	BRETT A. METCALF NUMBER PE-2018007866	* 155/22
REV NO.	ISIONS DESCRIPTION	DATE
	SSUED:	02/15/22
	VED BY:	BAM
	NED BY:	BWU
PROJE	CT NUMBER:	
	5240368028 © 2022 RS&H, INC.	
	SHEET TITLE:	
	MECHANICA SCHEDULES	
	SHEET ID:	
	M401	
	PROJECT STATU	-

System name and number		RTU-1									
Condition analyzed (impacts Ez, Vdz, Vpz an	d Vps)	Heating									
All zones are included in the VRP calculation		Yes									
Zone Name and Number		Occupancy Category	Zone Floor Area Az (sq ft)	Are you using default value for zone population?	Zone Population <i>Pz</i> (people)	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow Voz (cfm)	Zone Discharge Airflow Vdz (cfm)	Zone Primary Airflow <i>Vpz</i> (cfm)	Zone Secondary Recirculation Fraction <i>Er</i>	Zone Primary Air Fraction Ep
103 Waiting	Lobbies		305	No	4.00	0.80	62.24	155	155	0.75	1.00
104 Chat Lounge	Lobbies		299	No	4.00	0.80	61.65	155	155	0.75	1.00
105 Gathering Area	Lobbies		133	No	4.00	0.80	45.46	200	200	0.75	1.00
109 Flex	Office space	e	95	No	3.00	0.80	33.64	90	90	0.75	1.00
112 Elec/IT		uipment rooms	67	Yes	0.00	0.80	6.53	250	250	0.75	1.00
113 Corridor	Common co		140	Yes	0.00	0.80	13.65	50	50	0.75	1.00
117 Hub	Office space	e	89	No	4.00	0.80	41.18	140	140	0.75	1.00
118 Work Room	Office space	e	140	No	1.00	0.80	21.78	210	210	0.75	1.00
	Storage roo		58	Yes	0.00	0.80	11.30	50	50	0.75	1.00

As	(sq ft)	1,326
Ps	(people)	20.00
sum of Pz	(people)	20.00
D		1.00
Vou	(cfm)	237.95
Vps	(cfm)	1,400
Xs		0.16
to determine sys	tem ventilation efficiency	Appendix A
Ev		0.76
eme Vot	(cfm)	313
	Ps sum of Pz D Vou Vps Xs to determine sys	Ps (people) sum of Pz (people) D (cfm) Vou (cfm) Vps (cfm) Xs (cfm) Ev Ev

Outdoor air intake flow provided (measured or design) (cfm)

1

System name and number	RTU-2
Condition analyzed (impacts Ez, Vdz, Vpz and Vps)	Heating
All zones are included in the VRP calculation	Yes

	one Name Id Number	Occupancy Category	Zone Floor Area <i>Az</i> (sq ft)	Are you using default value for zone population?	Zone Population <i>Pz</i> (people)	Zone Air Distribution Effectiveness <i>Ez</i>	Zone Outdoor Airflow <i>Voz</i> (cfm)	Zone Discharge Airflow <i>Vdz</i> (cfm)	Zone Primary Airflow <i>Vpz</i> (cfm)	Zone Secondary Recirculation Fraction <i>Er</i>	Zone Primary Air Fraction Ep
							Vbz / Ez				Vpz/Vdz
106 Collaboration		Office space	115	No	4.00	0.80	43.71	230	230	0.75	1.00
107 Conference		Conference / meeting	172	No	6.00	0.80	65.51	500	500	0.75	1.00
108 Breakout Room		Office space	100	No	3.00	0.80	34.13	215	215	0.75	1.00
110 Break room		Break rooms (general)	148	No	4.00	0.80	46.93	325	325	0.75	1.00
111 Offstage		Office space	53	No	1.00	0.80	13.29	50	50	0.75	1.00

2

315

System area	As	(sq ft)	588
System population	Ps	(people)	18.00
Sum of zone population	sum of Pz	(people)	18.00
Occupant diversity	D		1.00
Uncorrected outdoor air intake	Vou	(cfm)	162.86
System primary airflow (at condition analyzed)	Vps	(cfm)	1,320
Average outdoor air fraction	Xs		0.12
Which method from ASHRAE 62.1 is being used t (Ev)?	o determine sys	stem ventilation efficiency	Appendix A
Ventilation efficiency	Ev		0.85
Outdoor air intake flow (30% above 62.1 requirer	me Vot	(cfm)	192
Outdoor air intake flow provided (measured or de	sign)	(cfm)	200

Zone Zone Floor Area Are you using Population Condition System Name Occupancy default value Analyzed (impacts Category and Number for zone Az Pz Ez) population? (sq ft) people RTU-3 Lobbies 182 No 0.00 Heating

ξ

-	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow Voz (cfm)	Outdoor air intake flow provided (measured or design) (cfm)
D	0.80	18	50

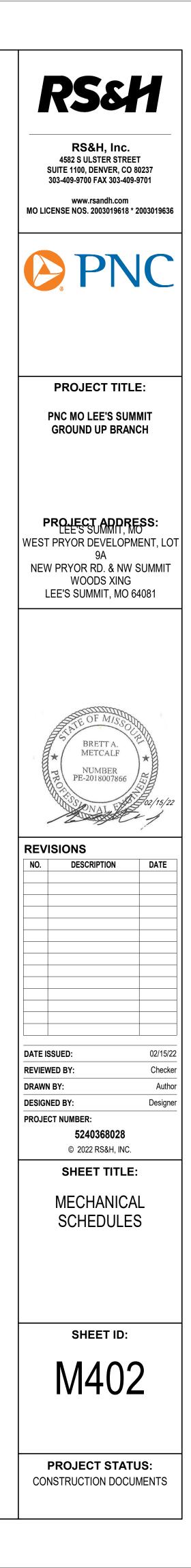
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	GENERAL PLUMBING NOTES	<u>PLU</u>	MBING EQUIP	<u>'M'</u>
	1. ALL WORK SHALL COMPLY WITH THE CURRENT INTERNATIONAL BUILDING, PLUMBING AND MECHANICAL CODES, AS WELL AS ANY OTHER AUTHORITY HAVING JURISDICTION.	MARK	BASIS OF DESIGN	
	 COORDINATE PLUMBING 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. 		MANSFIELD	
	3. 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	W1	#QUANTUMONE 148-153	20- HL
D	 PROCEDURE IN THE EVENT OF EQUIPMENT FAILURE. 4. 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. 	L1	AMERICAN STANDARD #0356.115	#I OF T C BI MC
	 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. PROVIDE VALVE TAGS FOR ALL VALVES. DUCTWORK JACKETS AND SIMILAR FINISHES MAY BE IDENTIFIED WITH STENCIL PAINTING. 			V P
	7. PROVIDE SLEEVES FOR ALL PIPING PENETRATIONS. PLACE SLEEVES PRIOR TO COMPLETION OF WALL OR FLOOR CONSTRUCTION WHERE POSSIBLE.			19 V FC
	8. 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.	S1	ELKAY #LRAD-1919-65	T W (
	9. 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.			5
	10. INSULATE ALL POTABLE COLD WATER PIPING. INSULATE ALL POTABLE HOT WATER PIPING. 11. ALL PIPE INSULATION WITHIN THE BUILDING SHALL BE ASTM C547, CLASS 1 PREFORMED FIBERGLASS	WB1	GUY GRAY #SSMIB1AB	MI
	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.	FD1	ZURN #Z415B	F SE
	12. 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.		A.O. SMITH	, T
	13. 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.	EWH1	#EJC-6	
С	14. ALL PIPING SHALL BE INSTALLED PLUMB AND PARALLEL TO BUILDING LINES, AND SUPPORTED IN ACCORDANCE WITH GENERAL REQUIREMENTS SPECIFIED ABOVE.	J1	STERN WILLIAMS	2
	15. 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.		#ELFIN	
	 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. 	BFP1	WATTS MODEL #009QT	
	18. 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.	DF1	ELKAY EZH20 #EZOOTL8WSLK	BA (H S
	19. TRAP SEAL PRIMER VALVES SHALL BE ASSE 1018, 20-80-PSIG WORKING PRESSURE. 20. CLEANOUTS IN FINISHED ROOMS FLUSH WITH WALL SHALL BE SMITH 4530 SERIES OR EQUAL.			BR E
	21. REFER TO PLUMBING SCHEDULES FOR FIXTURE AND EQUIPMENT REQUIREMENTS. MANUFACTURERS AND MODELS 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.	RD	JR SMITH #1340-CL-AD	C F UN
	22. 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.			
	23. COORDINATE ALL CORE DRILLING AND CONSTRUCTION BELOW SLAB WITH OWNER.	DN	ZURN #Z199	I
	24. CONTRACTOR SHALL VERIFY EXISTING POINTS OF CONNECTION FOR DOMESTIC WATER, WASTE, AND VENTS. 25. INSULATE COMPLETE WATER SUPPLIES AND P-TRAPS TO HANDICAPPED LAVATORIES WITH MOLDED AND	WH	WOODFORD	
в	JACKETED ASSEMBLIES WHICH PROVIDE ACCESS FOR ANGLE STOPS. 26. UNDERGROUND SANITARY AND STORM PIPING SHALL BE PVC DRAINAGE DRAINAGE PIPING, ASTM D2665,	VVH	#B65	
	SCHEDULE 40, PLAIN ENDS, WITH SCHEDUE-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.	RH	WOODFORD #RHY1-MS	F
	CODES AND STANDARDS	2. NO FL	IECTION SIZES THAT ARE S LEXIBLE PIPING IS PERMITT	red I
	THE FOLLOWING CODES, INCLUDING LOCAL AMENDMENTS ADOPTED BY THE CITY OF LEE'S SUMMIT, MISSOURI APPLY TO THIS PROJECT:	3. CONF	FIRM LEAD TIMES DO NOT (:ON
	2018 INTERNATIONAL BUILDING CODE AND LOCAL AMENDMENTS 2017 NATIONAL ELECTRICAL CODE AND LCOAL AMMENDMENTS 2018 INTERNATIONAL FIRE CODE AND LOCAL AMENDMENTS 2018 INTERNATIONAL FUEL GAS CODE AND LOCAL AMENDMENTS	MARK	WATER HAM P.D.I. RATING FIXTURE U	
	2018 INTERNATIONAL MECHANICAL CODE AND LOCAL AMENDMENTS 2018 INTERNATIONAL PLUMBING CODE AND LOCAL AMENDMENTS 2018 INTERNATIONAL ENERGY CONSERVATION CODE AND LOCAL AMENDMENTS	WA WB	B 1	1 - 1′ 2 - 3 33 - 6
	STATE OF MO ACCESSIBILITY STANDARDS	WC WD WE	D 6	53 - 6 1 - 1′ 4 - 1
		WF NOTES:	F 15	55 - 3
		GROUP A APPROVE	DE ARRESTERS ETC., AS N AND INDIVIDUAL FIXTURE. ED EQUAL. INSTALL ARRES CALLY INDICATED. INSTALL	ARR STEF
A		ASSE-101 ARRESTE	TERS SHALL BE STAINLES 10, SUPERSEDING SPECIFIC ERS SHALL BE CONSTRUCT ENTLY SEALED AT THE FAC	CATI TED
		ACCESSI	DE BALL VALVE (<u>BV</u>) BETW BLE. PROVIDE <u>AP</u> WHERE CTURED BY MIFAB OR APP	REC
		CEILINGS SURFACE ARCHITE	WITH 5/8" RECESSED FAC E FINISHES. PROVIDE FIRE CTURAL AND LIFE SAFETY	E TO RAI PLA
		INSTALL ACCORD 2018 EDIT	WATER HAMMER ARRESTE ANCE WITH THE MANUFAC FION. EXPOSED PIPING BE OR STAINLESS STEEL TUBI	ERS / TUR LOW

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	<u>MENT SCHEDULE</u>						<u>G LEGEND</u>	
GN	DESCRIPTION / ACCESSORIES		ANCH					
48-153	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 #9500SSCT 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.	W 4"	V 2"	CW 1/2"	-	<u>SYMBOL</u>	ABBREVIATION - S OR W - V	<u>DESCRII</u> SANITAF SANITAF
DARD	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 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"		- ST - CW - HW - HWR - <u>BV</u>	STORM DOMES DOMES DOMES BRONZE
19-65	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-F*BT- 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 #LK18B 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"		WHA	WATER ELBOW, ELBOW, ELBOW,
3	MINI STAINLESS STEEL WALL BOX FOR REFRIGERATOR WATER SUPPLY; BRASS PLATED, QUARTER TURN, LEAD FREE VALVE WITH 1/2" SWEAT CONNECTION. 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"	1/2"	-		-	BRANCH BRANCH BRANCH
	ELECTRIC WATER HEATER; 6 GALLON STORAGE CAPACITY WITH (1) 1.5 KW ELEMENT; 208 VOLTS, 1 PHASE; EXPANSION TANK: AMTROL MODEL #ST SERIES TANK INLINE TYPE; 115V/1PHASE RECIRCULATION PUMP: TACO MODEL #007; DIGITAL TIMER: TACO MODEL #265-3; AQUASTAT: TACO MODEL #563-2. MOUNT WATER HEATER ON PRE-MANUFACTURERED WALL-MOUNTED WATER HEATER PLATFORM (HOLDRITE QUICK STAND #30-SWHP-WM). REFER TO DETAIL 1/P301.	-	-	3/4" IN	3/4" OUT		- - <u>FCO</u> WCO	DRAINA DRAINA CAST IR CAST IR
MS	24"X24"X10" DEEP MOLDED STONE MOP SERVICE BASIN; ZURN #Z843M1-XL CHROME PLATED BRASS SERVICE FAUCET WITH 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"	 <u>FD1/FD2</u> →⊕	<u>VTR</u> FD1/FD2	VENT TH
09QT	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.	-	-	-	-	<u>AP</u> OR <u>AP</u>	TP <u>AP</u>	TRAP PI
) ₋K	BARRIER FREE, WALL MOUNTED, HANDS-FREE BOTTLE FILLING STATION AND BI-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"	-	1 <u>1</u> <u>P401</u>		PLUMBI — PLAN/SE — SHEET I
	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.	-	_	_	-		AFF DWV TYP	ABOVE DRAINA TYPICAL
	DOWNSPOUT NOZZLE WITH NICKEL BRONZE BODY, DECORATIVE FACE OFF WALL FLANGE, AND BIRD SCREEN. SIZE PER PLANS.	-	-	-	-		UON AC OR ABV. CLG.	UNLESS ABOVE
	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"	-	_	-	\bullet	BF OR BEL. FLR.	BELOW
,	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"	-			DEMO L

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RE SHOWN ARE MINIMUM.

MITTED FOR ANY PLUMBING FIXTURE. NO EXCEPTIONS. OT CONFLICT WITH PROJECT SCHEDULE.

MMER ARRESTER SCHEDULE

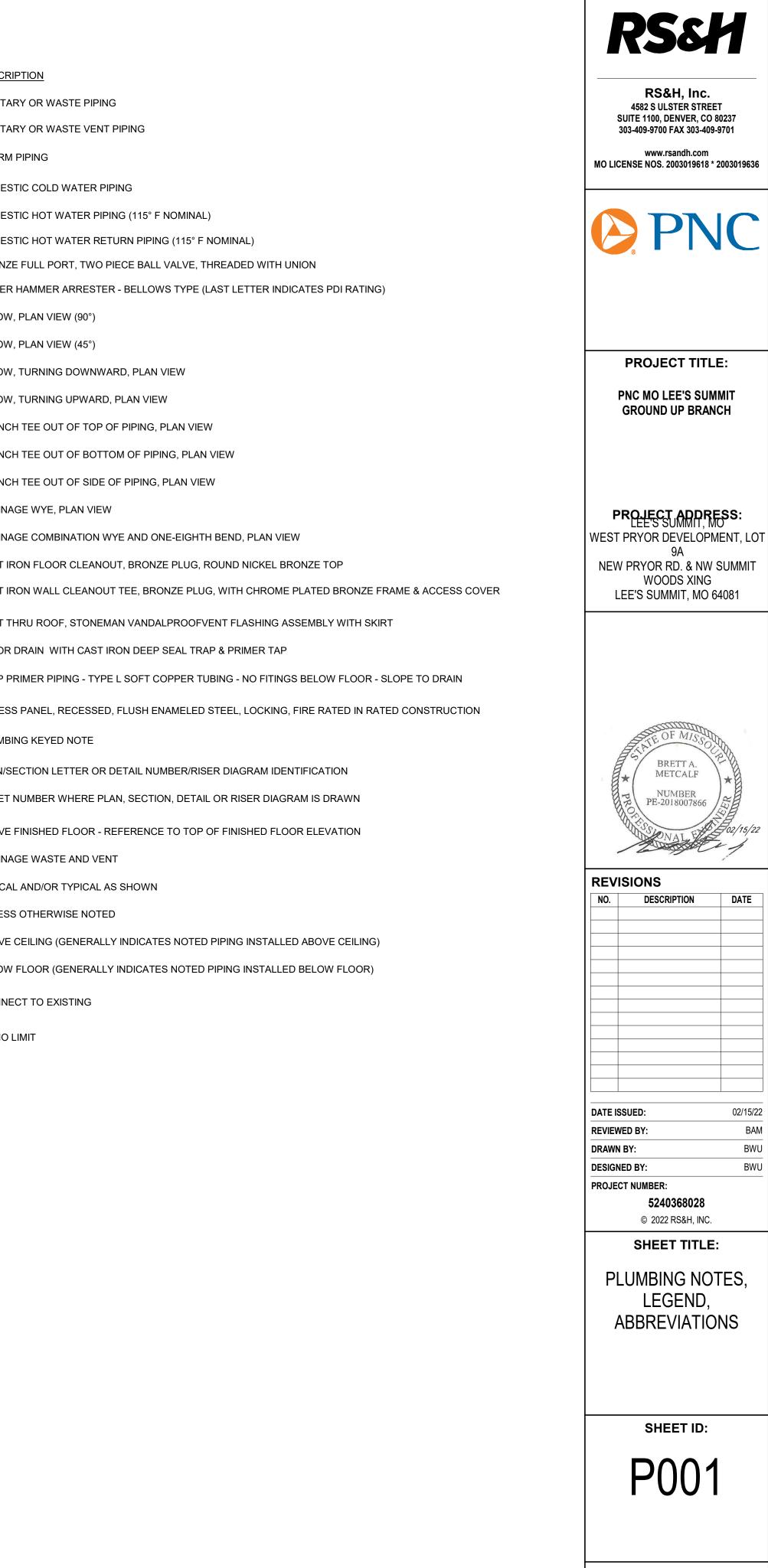
IRE UNITS CAPACITY	MINIMUM PIPE SIZE	PCN/FIG. NO.	NOTES
1 - 11	3/4"	5005	1,2,3
12 - 32	1"	5010	1,2,3
33 - 60	1"	5020	1,2,3
61 - 113	1"	5030	1,2,3
114 - 154	1"	5040	1,2,3
155 - 330	1"	5050	1,2,3

AS NOTED HEREIN AND PER STANDARD PDI WH201 AT EACH FIXTURE E. ARRESTERS SHALL BE AS MANUFACTURED BY JAY R. SMITH, OR RESTERS WHERE SHOWN, IF INDICATED. ARRESTERS MAY NOT BE ALL ARRESTERS, ETC., CONCEALED BEHIND WALLS UNLESS OTHERWISE

LESS STEEL BELLOWS TYPE CERTIFIED UNDER STANDARDS PDI-WH201 & CIFICATIONS; PISTON TYPE ARRESTERS ARE UNACCEPTABLE. RUCTED ENTIRELY OF STAINLESS STEEL AND BE PRECHARGED AND FACTORY.

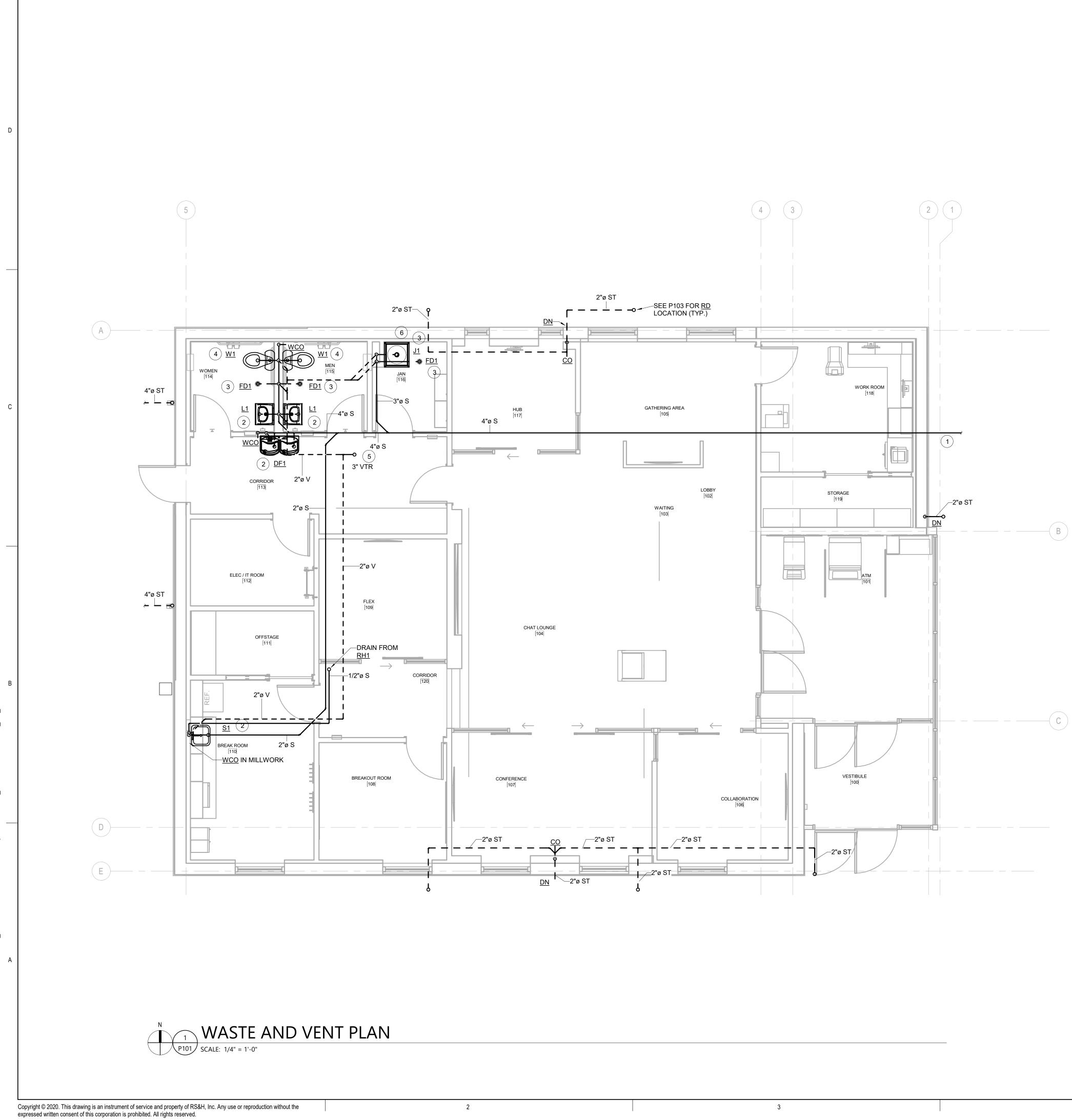
ETWEEN SUPPLY PIPE & ARRESTER. ARRESTERS AND <u>BV</u> SHALL BE ERE REQUIRED TO ACHIEVE ACCESS. ACCESS PANELS SHALL BE AS APPROVED EQUAL, SERIES CAD-DW, CAD-PL OR MPFR FOR WALLS OR FACE TO BE FILLED WITH TILE, DRYWALL, ETC., TO MATCH SURROUNDING FIRE RATED ACCESS DOORS IN FIRE RATED CONSTRUCTION, REFER TO ETY PLANS FOR FIRE RATINGS OF WALLS, CEILINGS AND FLOORS. ESTERS AND ASSOCIATED TRIM IN UPRIGHT VERTICAL POSITION IN STRICT FACTURERS INSTRUCTIONS AND THE INTERNATIONAL PLUMBING CODE, G BELOW LAVATORIES AND IN FINISHED SPACES SHALL BE CHROMIUM

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PLUMBING GENERAL NOTES

1. NO PLUMBING SHALL PASS OVER IT ROOM.

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2. CONTRACTOR TO COORDINATE ROUTING OF ALL PLUMBING LINES WITH EXISTING STRUCTURE.

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3. ALL ABOVE GRADE SANITARY AND VENT PIPE SHALL BE NO-HUB CAST IRON.

 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.
 MAINTAIN MINIMUM DISTANCE OF 10' FROM PLUMBING VENT TO ANY FRESH AIR INTAKE ON ROOF.

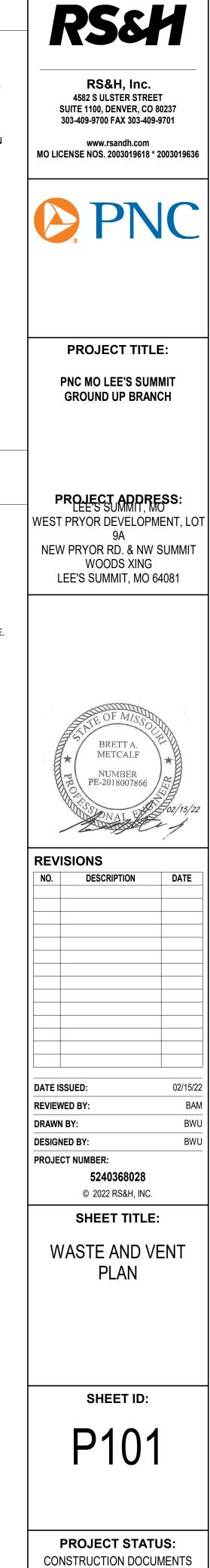
6. NO MECHANICAL TRAP PRIMERS ARE PERMITTED. REFER TO DETAIL 3/P301. ALL FLOOR DRAIN P-TRAPS TO BE SERVED BY GRAVITY TRAP PRIMERS.

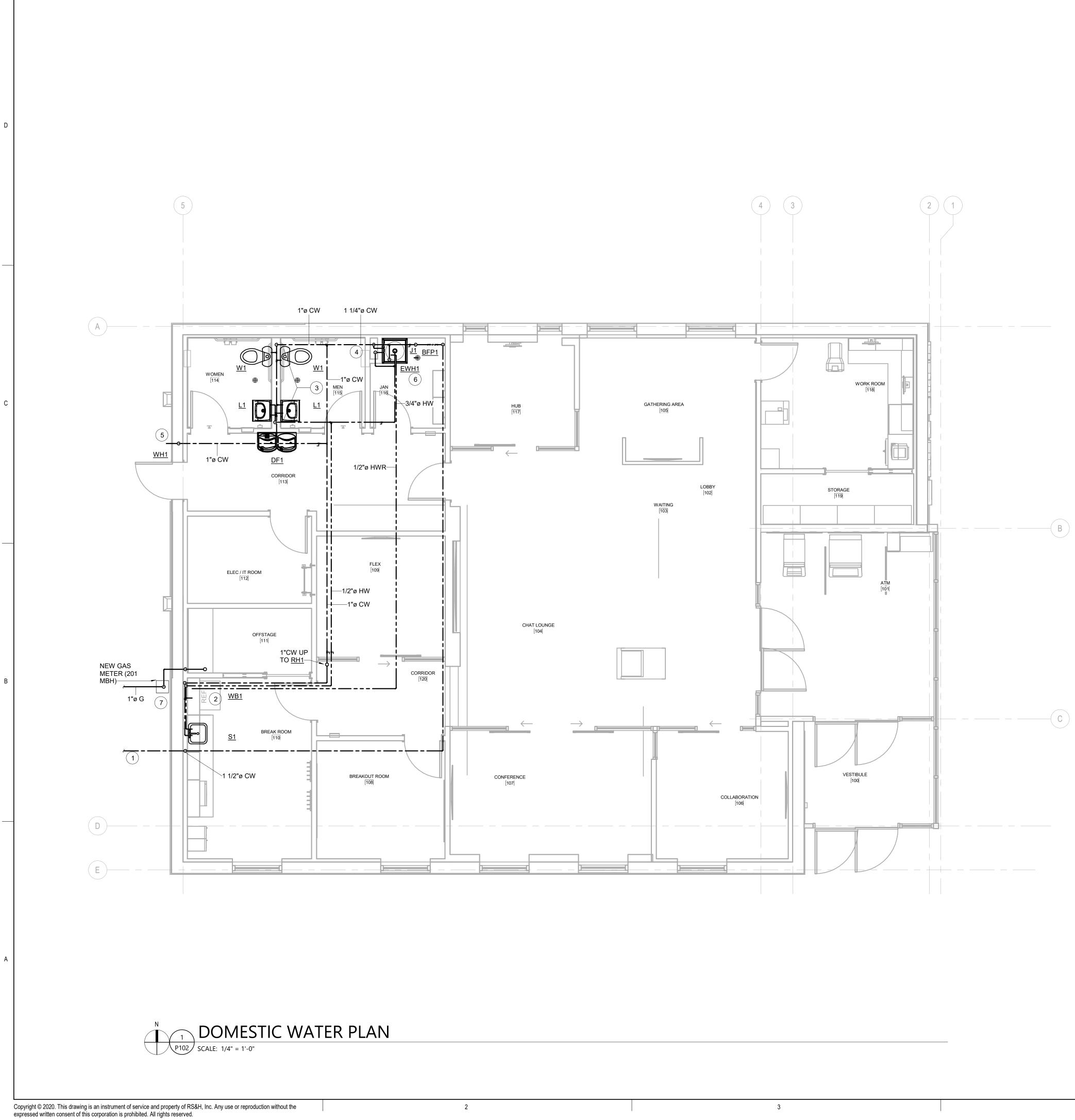


- 1. 4"S MAIN LINE. REFER TO CIVIL UTILITY PLAN FOR CONTINUATION. PROVIDE TWO-WAY CLEANOUT AS SHOWN ON CIVIL PLANS.
- 2. 2"S DROP: 2"V RISE FROM FIXTURE.
- 3. 3"S DROP: 2"V RISE FROM FIXTURE.
- 4. 4"S DROP: 2"V RISE FROM FIXTURE.
- 5. 3"VENT THRU ROOF. MAINTAIN MINIMUM 10' CLEARANCE FROM FRESH AIR INTAKE.

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6. ROUTE ALL DRAIN LINES FROM WATER HEATER TO FLOOR DRAIN.





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PLUMBING GENERAL NOTES

1. NO PLUMBING SHALL PASS OVER IT ROOM.

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2. CONTRACTOR TO COORDINATE ROUTING OF ALL PLUMBING LINES WITH STRUCTURE.

3. PROVIDE WATER HAMMER ARRESTORS, SIZED IN ACCORDANCE WITH TABLE ON P001, AND BALL VALVES AT EACH PIPING DROP TO PLUMBING FIXTURE(S).

 PROVIDE VALVE TAGS AND VALVE CHART FOR ALL SHUT OFF VALVES WITHIN PNC SPACE. HANG VALVE CHART IN JANITORS CLOSET ON WALL NEAR LIGHT SWITCH.
 NO FLEXIBLE PIPING PERMITTED FOR ANY PLUMBING FIXTURE. NO EXCEPTIONS.

6. NO MECHANICAL TRAP PRIMERS ARE PERMITTED. REFER TO DETAIL 3/P301. ALL FLOOR DRAIN P-TRAPS TO BE SERVED BY GRAVITY TRAP PRIMERS.

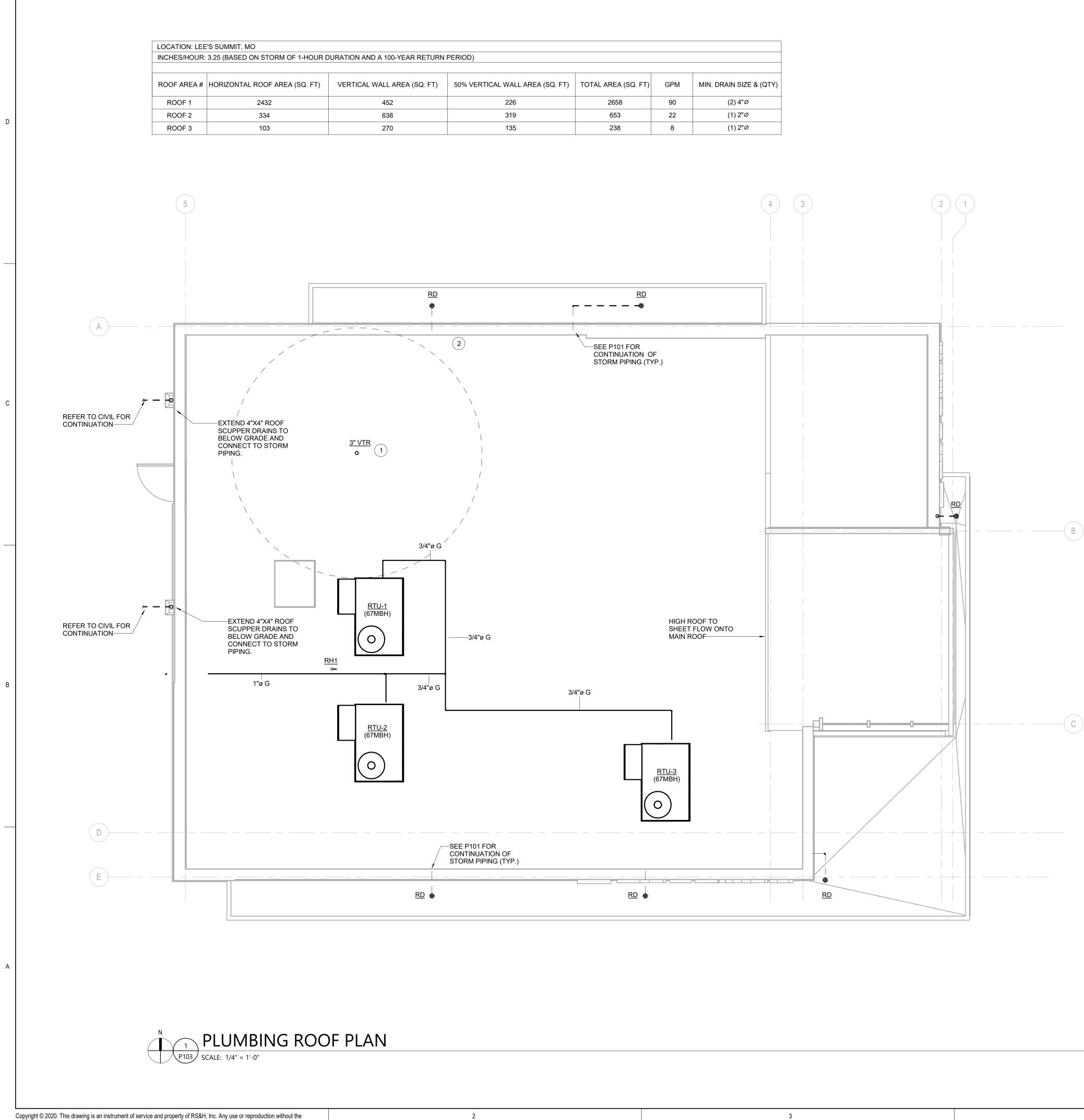


- 1. 1-1/2"CW MAIN LINE. REFER TO CIVIL UTILITY PLAN FOR CONTINUATION.
- 2. 1/2"CW & HW DROP IN WALL ROUTE 1/2"CW TO WALL BOX. ROUTE 1/2"CW & HW TO SINK.
- 1"CW & 1/2" HW DROP IN WALL. ROUTE 1/2" CW TO EACH WATER CLOSET. ROUTE 1/2" CW & 1/2"HW TO EACH LAVATORY. ROUTE 1/2"CW TO DRINKING FOUNTAIN.
- 4. 3/4"CW &HW DROP IN WALL TO JANITORS SINK.
- 5. 1"CW DROP TO WALL HYDRANT.
- 6. ROUTE 3/4"CW TO <u>EWH1</u>.
- 7. INCOMING GAS SERVICE LINE FOR MECHANICAL EQUIPMENT. REFER TO CIVIL DRAWINGS FOR CONTINUATION TO CONNECT INTO CITY MAIN LINE. ROUTE PIPING FROM THE METER, INTO THE BUILDING AND THEN UP TO THE ROOF. REFER TO P103 FOR CONTINUATION.

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RS&H 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 ٩D NEW PRYOR RD. & NW SUMMIT WOODS XING LEE'S SUMMIT, MO 64081 BRETT A. METCALF NUMBER PE-2018007866 120001 REVISIONS NO. DESCRIPTION DATE 02/15/22 DATE ISSUED: Checker **REVIEWED BY:** DRAWN BY: Author DESIGNED BY: Designer PROJECT NUMBER: 5240368028 © 2022 RS&H, INC. SHEET TITLE: DOMESTIC WATER PLAN SHEET ID: P102

> **PROJECT STATUS:** CONSTRUCTION DOCUMENTS



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-)	TOTAL AREA (SQ. FT)	GPM	MIN. DRAIN SIZE & (QTY)
	2658	90	(2) 4"Ø
	653	22	(1) 2"Ø
	238	8	(1) 2"Ø

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PLUMBING GENERAL NOTES

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1. CONTRACTOR TO COORDINATE ROUTING OF ALL PLUMBING LINES WITH STRUCTURE.

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2. ALL ABOVE GRADE SANITARY, VENT, AND STORM PIPE SHALL BE NO-HUB CAST IRON.

3. GAS PIPING SHALL BE BLACK IRON PIPE ONLY. ANY EXPOSED PIPING SHALL BE PAINTED WITH TWO COATS OF RUST INHIBITING PAINT.

PLUMBING KEYED NOTES

- 1. 3"VENT THRU ROOF. MAINTAIN MINIMUM 10' CLEARANCE FROM FRESH AIR INTAKE.
- 2. GAS PIPING UP THRU ROOF. ROUTE PIPING AS CLOSE TO EXTERIOR WALL AS POSSIBLE.

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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



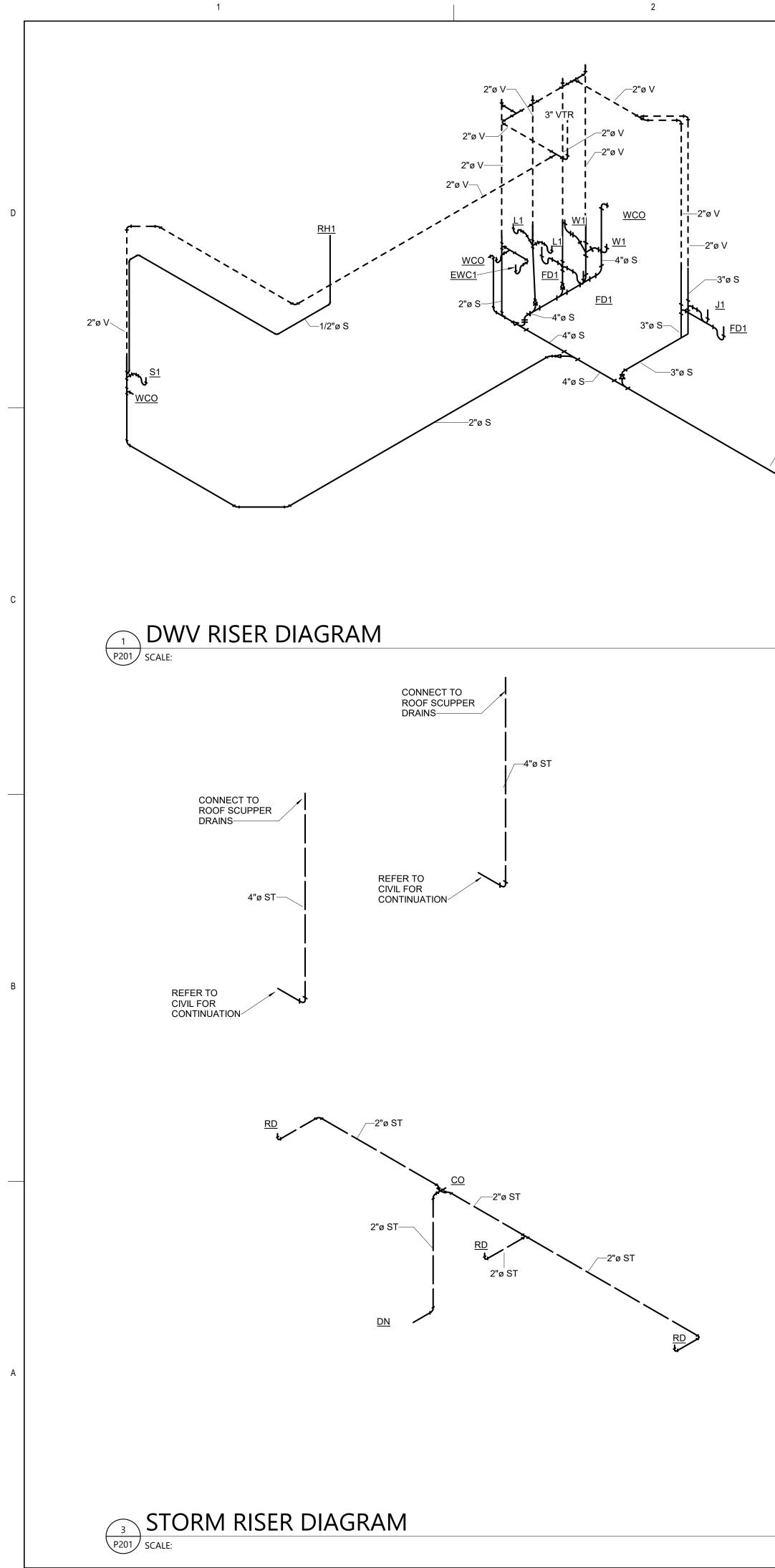
REVISIONS NO. DESCRIPTION DATE 02/15/22 DATE ISSUED: BAM **REVIEWED BY:** DRAWN BY: BWU BWU DESIGNED BY: PROJECT NUMBER: 5240368028 © 2022 RS&H, INC. SHEET TITLE:

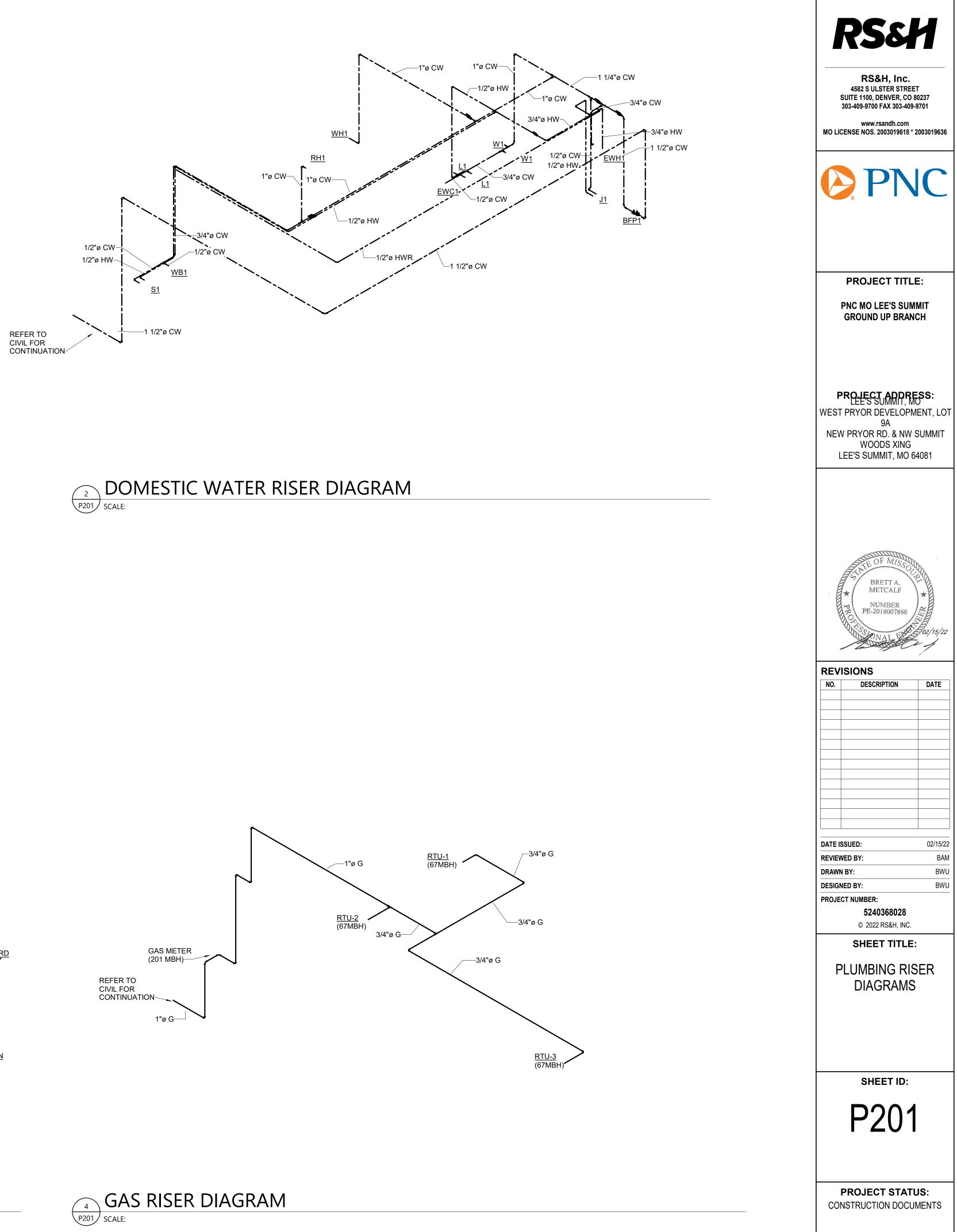
PLUMBING ROOF PLAN

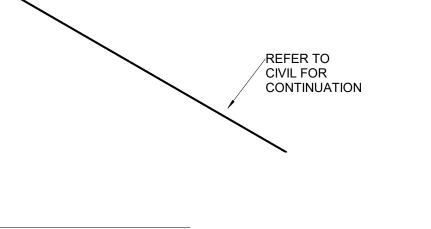
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P103

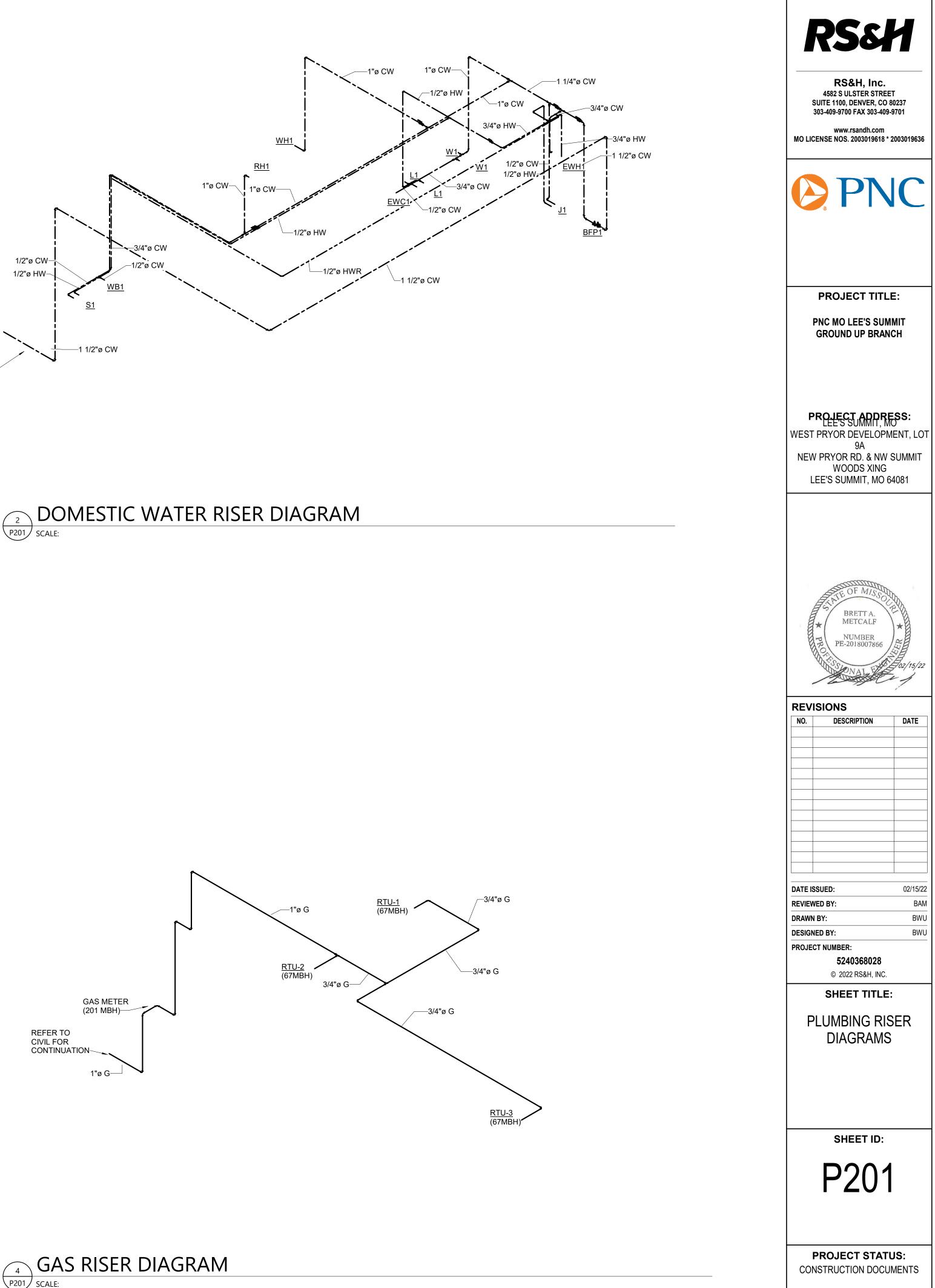
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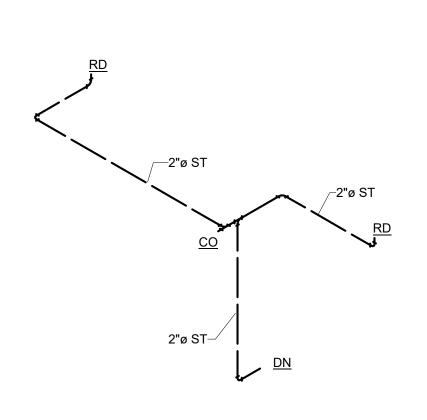


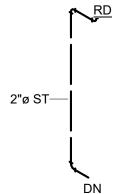


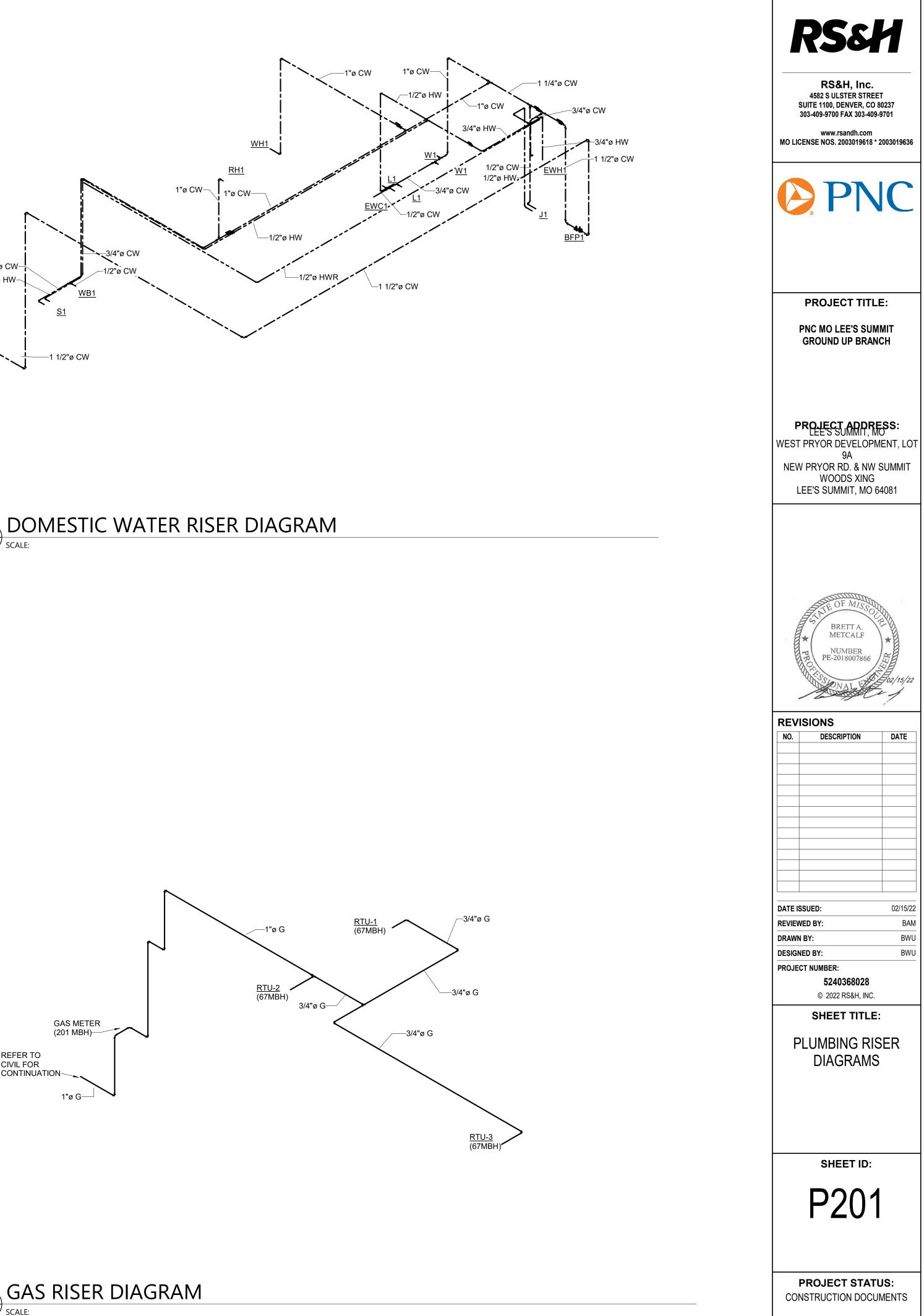


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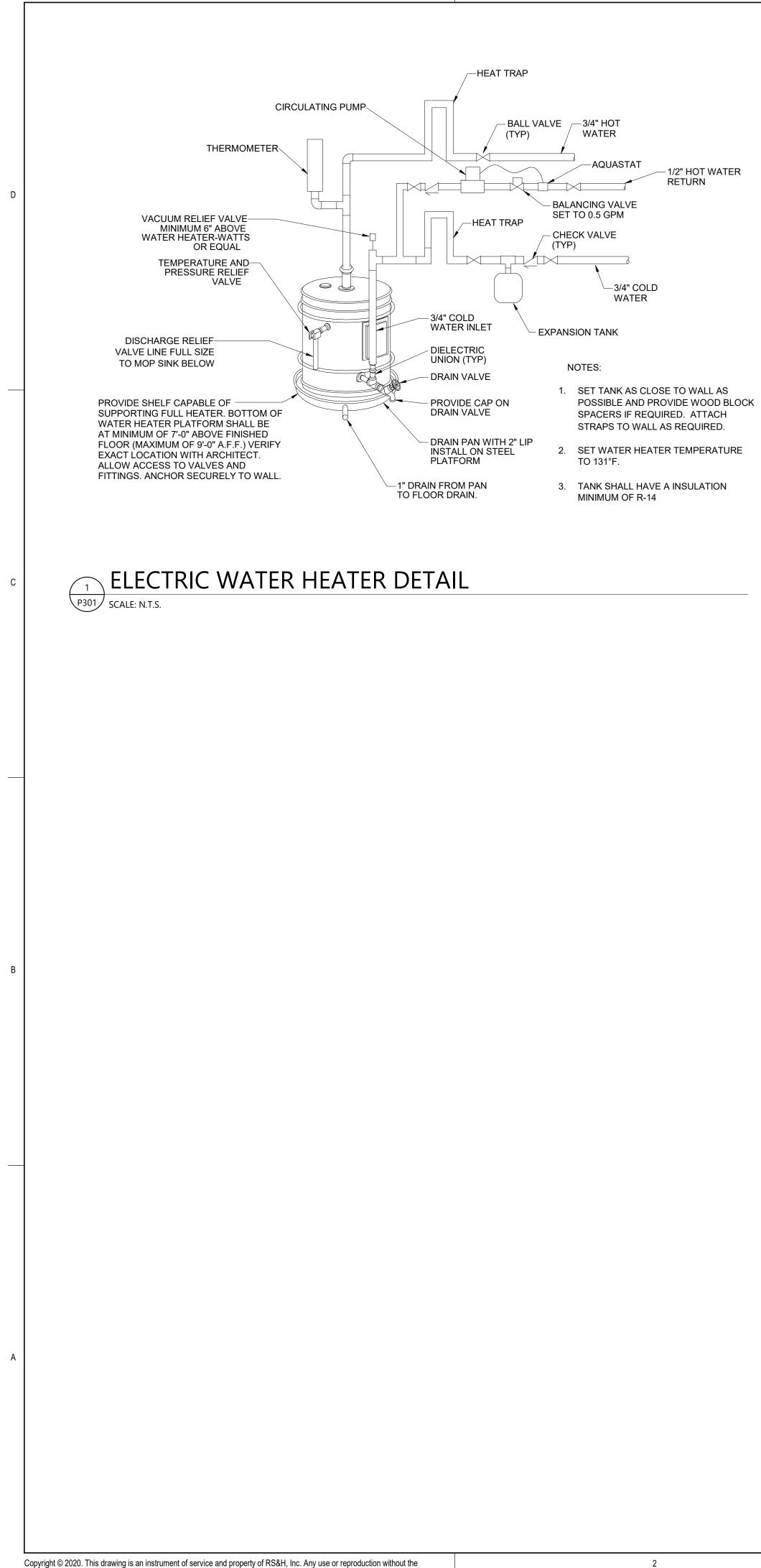


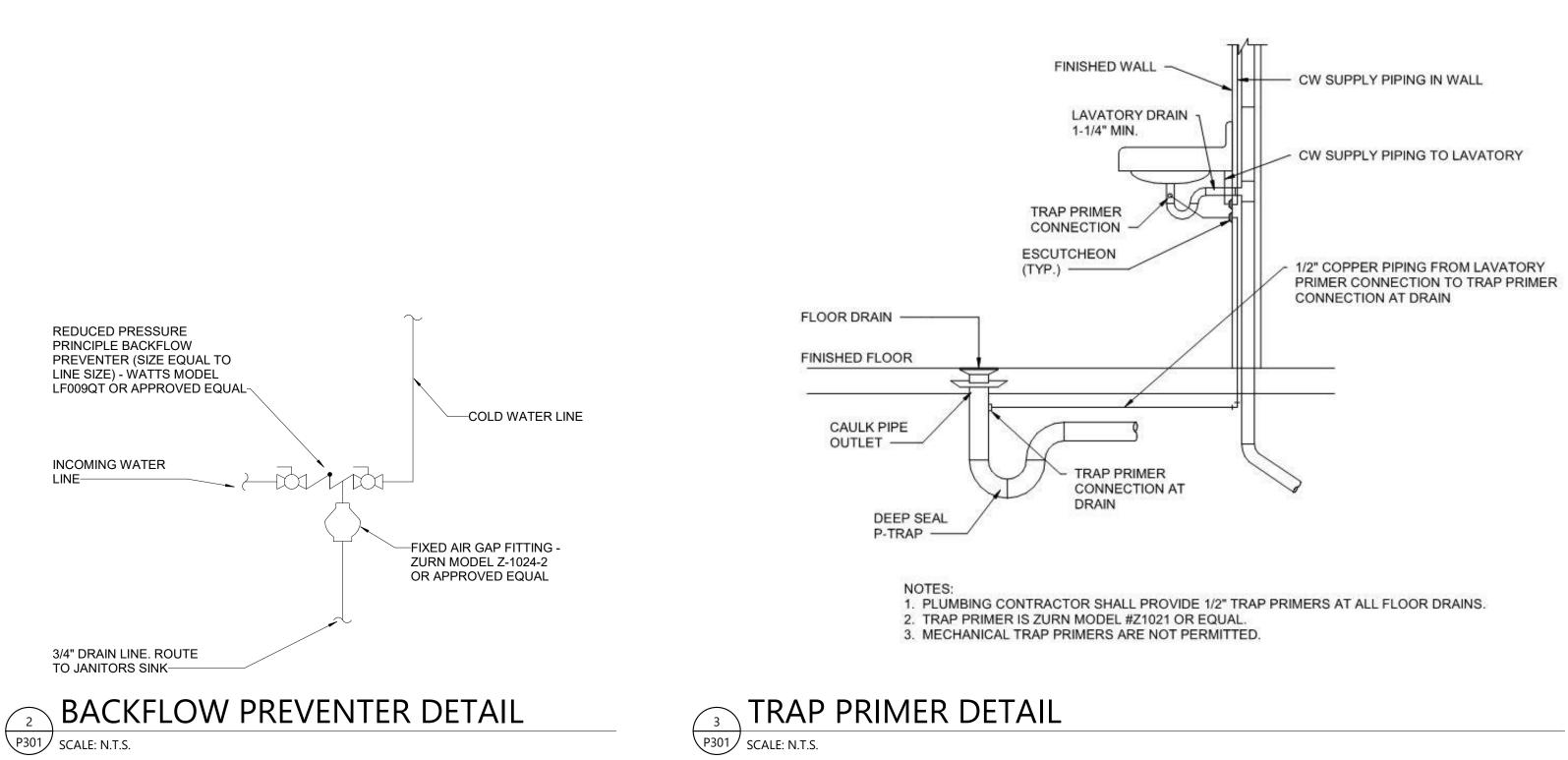


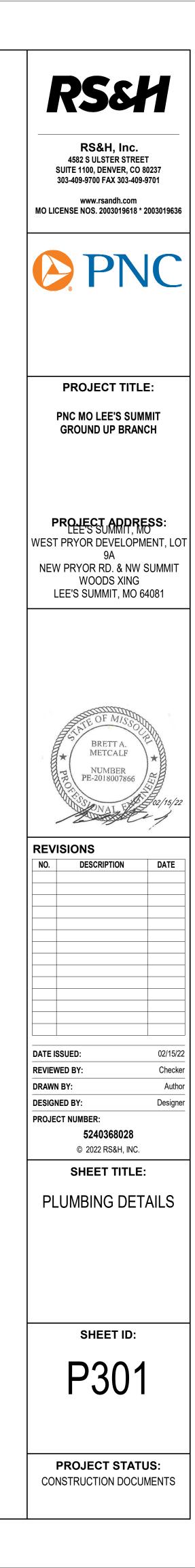












11 3. MI 4. MI 5. AL 6. AL FL MI SF 7. AL 8. PF CC 9. CC 10. CC 11. AL 11. AL 12. W PF 13. RE 14. EL UN 15. RE	ERMINATIONS SHALL BE RATED FOR 75 DEGREES C MINIMUM. DEVIATIONS SHALL COMPLY WITH NEC ARTICLE 10-14(c) FOR EXACT EQUIPMENT BEING PROVIDED. INIMUM CONDUCTOR SIZE: ALL CIRCUIT HOMERUNS AND ALL CONDUIT-AND-WIRE CIRCUITS SHALL BE #12 AWG NLESS OTHERWISE NOTED ON THE DRAWINGS. INIMUM SIZE CONDUIT SHALL BE 3/4" DIAMETER. LL CONDUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR FOR GROUNDING. LL WIRING SHALL BE IN EMT OR FLEXIBLE METALLIC CONDUIT; USE RIGID METALLIC CONDUIT OR LIQUID-TIGHT .EXIBLE METALLIC CONDUIT WHERE INSTALLED IN WET OR DAMP LOCATIONS. EMT FITTINGS SHALL BE STEEL. F ETAL OR DIE CAST TYPE SHALL NOT BE USED. CONNECTORS SHALL HAVE NYLON INSULATED THROATS. FITTING HALL BE SET-SCREW TYPE. LL EMPTY CONDUITS SHALL CONTAIN A POLYOLEFIN PULL LINE, JET #232 OR APPROVED EQUAL. ROVIDE LUGS AS REQUIRED FOR ALL ELECTRICAL EQUIPMENT TO ACCEPT THE SIZE AND NUMBER OF ONDUCTORS SHOWN IN THESE DOCUMENTS. ONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE. ONDUIT ROUTING AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHAL ELD ROUTE AND LOCATE AS REQUIRED AND PER CODE CLEARANCES. LL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. VHERE DEMOLITION OF A PORTION OF AN EXISTING CIRCUIT RENDERS DOWNSTREAM EQUIPMENT INOPERATIVE ROVIDE A NEW CIRCUIT TO RE-ESTABLISH SERVICE.
 4. Mi 5. AL 6. AL FL Mi SH 7. AL 8. PF CC 9. CC 10. CC FI 11. AL 12. W PF 13. RE 14. EL UI 15. RE 	INIMUM SIZE CONDUIT SHALL BE 3/4" DIAMETER. LL CONDUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR FOR GROUNDING. LL WIRING SHALL BE IN EMT OR FLEXIBLE METALLIC CONDUIT; USE RIGID METALLIC CONDUIT OR LIQUID-TIGHT LEXIBLE METALLIC CONDUIT WHERE INSTALLED IN WET OR DAMP LOCATIONS. EMT FITTINGS SHALL BE STEEL. F ETAL OR DIE CAST TYPE SHALL NOT BE USED. CONNECTORS SHALL HAVE NYLON INSULATED THROATS. FITTING HALL BE SET-SCREW TYPE. LL EMPTY CONDUITS SHALL CONTAIN A POLYOLEFIN PULL LINE, JET #232 OR APPROVED EQUAL. ROVIDE LUGS AS REQUIRED FOR ALL ELECTRICAL EQUIPMENT TO ACCEPT THE SIZE AND NUMBER OF ONDUCTORS SHOWN IN THESE DOCUMENTS. ONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE. ONDUIT ROUTING AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL ELD ROUTE AND LOCATE AS REQUIRED AND PER CODE CLEARANCES. LL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. 'HERE DEMOLITION OF A PORTION OF AN EXISTING CIRCUIT RENDERS DOWNSTREAM EQUIPMENT INOPERATIVE
6. AL FL MI SH 7. AL 8. PF CC 9. CC 9. CC 10. CC FII 11. AL 12. W PF 13. RE 14. EL UI 15. RE	LL WIRING SHALL BE IN EMT OR FLEXIBLE METALLIC CONDUIT; USE RIGID METALLIC CONDUIT OR LIQUID-TIGHT LEXIBLE METALLIC CONDUIT WHERE INSTALLED IN WET OR DAMP LOCATIONS. EMT FITTINGS SHALL BE STEEL. F ETAL OR DIE CAST TYPE SHALL NOT BE USED. CONNECTORS SHALL HAVE NYLON INSULATED THROATS. FITTING HALL BE SET-SCREW TYPE. LL EMPTY CONDUITS SHALL CONTAIN A POLYOLEFIN PULL LINE, JET #232 OR APPROVED EQUAL. ROVIDE LUGS AS REQUIRED FOR ALL ELECTRICAL EQUIPMENT TO ACCEPT THE SIZE AND NUMBER OF ONDUCTORS SHOWN IN THESE DOCUMENTS. ONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER NEC TO PREVENT ENTRANCE OF MOISTURE. ONDUIT ROUTING AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHAL ELD ROUTE AND LOCATE AS REQUIRED AND PER CODE CLEARANCES. LL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. 'HERE DEMOLITION OF A PORTION OF AN EXISTING CIRCUIT RENDERS DOWNSTREAM EQUIPMENT INOPERATIVE
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12. W Pf 13. RE 14. EL UN 15. RE	HERE DEMOLITION OF A PORTION OF AN EXISTING CIRCUIT RENDERS DOWNSTREAM EQUIPMENT INOPERATIVE
14. EL UN 15. RE	
15. RE	EUSE EXISTING CONDUIT WHERE POSSIBLE. PROVIDE NEW WIRING IN ALL CONDUIT. LECTRICAL CONTRACTOR SHALL CONCEAL ALL WIRES AND CONDUIT. NO SURFACE CONDUIT SHALL BE RUN
	NLESS NOTED OTHERWISE. EFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED EVICES.
16. FC	EVICES. OR COORDINATION PURPOSES, LIGHTING FIXTURES AND DEVICES MAY BE MOVED A MAXIMUM DISTANCE OF FIV EET, PRIOR TO INSTALLATION, AT NO COST TO THE OWNER, UPON INSTRUCTION BY THE ARCHITECT OR ENGINE
17. CC RC CC	ONDUIT, LIGHT FIXTURES, AND OTHER COMPONENTS MAY BE SHOWN LARGER THAN ACTUAL SIZE. CONDUIT OUTING IS SHOWN WITH AN EXAGGERATED SPACING FOR CLARITY. ELECTRICAL CONTRACTOR SHALL OORDINATE WITH ALL CONTRACTORS TO ENSURE CONDUIT PLACEMENT DOES NOT CONFLICT WITH LOCATION ENSITIVE COMPONENTS SUCH AS LIGHT FIXTURES.
	OORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES IN ELECTRICAL/MECHANICAL SPACES WITH EQUIPME UCTWORK AND PIPING.
US 20. LE	NLESS OTHERWISE NOTED, FOR LIGHTING AND RECEPTACLE HOMERUNS HAVING A TOTAL LENGTH OF 100' TO 2 SE #10 CONDUCTORS; FOR HOMERUNS HAVING A TOTAL LENGTH OF 200' OR GREATER, USE #8 CONDUCTORS. ED LAY-IN LIGHT FIXTURES SHALL BE SUSPENDED FROM BUILDING STRUCTURE WITH ONE SUPPORT WIRE ON ACH SIDE.
21. PF SF 22. AL	ROVIDE THE TYPE OF MOUNTING HARDWARE AND TRIM NECESSARY FOR THE PROPER INSTALLATION OF PECIFIED LIGHTING FIXTURES IN THE TYPE OF CEILING WHERE INSTALLED. LL LIGHTING SWITCHES SHALL BE LOCATED ON THE STRIKE SIDE OF THE DOOR. VERIFY ALL DOOR SWINGS WIT
23. AL Flž	RCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN FOR SWITCHES. LL LAY-IN LIGHTING FIXTURES SHALL BE CONNECTED TO A BRANCH CIRCUIT JUNCTION BOX WITH A FLEXIBLE XTURE TAIL. A MAXIMUM OF FOUR FIXTURE TAILS SHALL BE CONNECTED TO A SINGLE JUNCTION BOX.
DE 25. RE	ROVIDE ACCESS DOORS IN WALLS AND CEILINGS WHERE ACCESS TO CONCEALED ELECTRICAL BOXES AND EVICES IS REQUIRED. EFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWINGS, WHERE THE ARCHITECT HAS DRAWN SUCH
26. W	LEVATIONS, FOR THE LOCATIONS OF ALL WALL MOUNTED DEVICES. 'HERE RECEPTACLES ARE SHOWN BACK-TO-BACK ON A COMMON WALL, OFFSET THE TWO BOXES AT LEAST SIX ICHES.
27. LA NA LA	ABELS SHALL BE PROVIDED FOR ALL RECEPTACLES AND LIGHTING SWITCHES, PROVIDE LABEL INDICATING PAN AME AND CIRCUIT SERVING RECEPTACLES OR SWITCH. INSTALL LABEL NEAR BOTTOM PORTION OF COVER PLA ABELS SHALL BE MADE USING T&B E-Z-CODE LABEL PRINTER SOFTWARE OR EQUAL. LABELS SHALL BE MADE OF LEAR SELF-LAMINATING VINYL WITH APPROXIMATE 1/8 INCH LETTERING, COLOR BLACK.
28. W Pf	HERE PANELS OR DISCONNECT ARE MOUNTED ON GYP BOARD WALLS, PROVIDE ADDITIONAL BACKING IN WALL RIOR TO THE INSTALLATION OF THE GYPBOARD. LL AFFECTED PANELBOARDS SHALL BE PROVIDED WITH A NEW TYPEWRITTEN SCHEDULE SHOWING CIRCUIT
NU 30. PF	UMBERS, ADDED BREAKERS AND A COMPLETE DESCRIPTION OF EACH CIRCUIT, INCLUDING OFFICIAL ROOM UMBER. PANELBOARDS, DISCONNECTS, ETC. SHALL BE PROVIDED WITH SUITABLE PHENOLIC NAMEPLATES. ROVIDE 2 1/8" DEEP OUTLET BOX WITH SINGLE GANG DEVICE COVER, BLANK COVER PLATE AND 1" CONDUIT TO EILING SPACE. TERMINATE CONDUIT WITH END BUSHING, UNLESS SHOWN OTHERWISE.
	ROVIDE 3/4" FIRE RATED AC GRADE PLYWOOD, 8' HIGH BY X' WIDTH AS SHOWN ON PLANS.
PF	XPOSED CABLING (COMMUNICATION, FIRE ALARM AND SECURITY) IN AREAS WHERE NO CEILING EXISTS IS ROHIBITED. EXTEND EMT CONDUIT SLEEVE TO NEAREST ACCESSIBLE CEILING SPACE. ROVIDE COMMUNICATION & VOICE/DATA CABLING, JACKS, FACE PLATES, ETC. UNLESS NOTED OTHERWISE
34. P	ROVIDE J-HOOKS FOR ALL LOW VOLTAGE CABLING ABOVE CEILING TO ROUTE BACK TO DATA ROOMS.
P 36. C A M S	DWNER PROVIDE MATERIALS AND INSTALLATION OF SECURITY AND ACCESS CONTROL SYSTEM. CONTRACTOR T ROVIDE NECESSARY ROUGH IN INCLUDING SINGLE GANG BOXES AND 3/4" CONDUIT STUBBED INTO CEILING. CONTRACTOR SHALL PROVIDE U.L. APPROVED FIRESTOP SYSTEM IN ALL OPENINGS AROUND ELECTRICAL RACE IND WIRING PENETRATIONS THROUGH FIRE-RESISTANCE-RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS. IATERIALS 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 LIF GAFETY PLAN TO ENSURE PROPER COMPLIANCE.
37. A	LL SAFETY PLAN TO ENSURE PROPER COMPLIANCE. LL SAFETY SWITCH DISCONNECTS SHALL HAVE A MINIMUM 3'-6" OF WORKING SPACE IN FRONT OF DEVICE; COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT LOCATIONS
M	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 WH S PROVIDED BY OTHERS AND CONNECTED BY ELECTRICAL.
С	INAL CONDUIT CONNECTIONS TO VAV UNITS, EXHAUST FANS,ETC. SHALL BE LIQUID TIGHT FLEXIBLE METAL ONDUIT. TYPICAL FOR EXTERIOR, DAMP AND WET LOCATIONS. NTEGRATED EQUIPMENT RATINGS SHOWN ARE MINIMUMS. CONTRACTOR SHALL PROVIDE MANUFACTURER'S
E 41. C R	CONTRACTOR SHALL PROVIDE MANUFACTURER'S SHOWN ARE MINIMUMS. CONTRACTOR SHALL PROVIDE MANUFACTURER'S CORDINATE THE EXACT LOCATION OF ALL THERMOSTATS, STARTERS, DISCONNECTS, ETC. AND COORDINATE REQUIREMENTS FOR CONTROL AND POWER WIRING WITH THE MECHANICAL CONTRACTOR OR THE TRADE ROVIDING THE EQUIPMENT.
42. T S S	ROVIDING THE EQUIPMENT. HE LOADS SHOWN FOR APPLIANCES AND EQUIPMENT ARE BASED ON DESIGN INFORMATION. THE CONTRACTO HALL VERIFY ALL APPLIANCE LOADS PRIOR TO RUNNING THE CIRCUIT. THE MINIMUM CIRCUIT REQUIREMENTS HALL BE BASED ON THE APPLIANCE NAMEPLATE VALUE OR CODE REQUIREMENTS WHICHEVER IS MORE TRINGENT. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR MODIFICATIONS OF THE EQUIPMENT
E 43. A	I RINGENT. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR MODIFICATIONS OF THE EQUIPMENT LECTRICAL SUPPLY BY THE EQUIPMENT TO BE INSTALLED. LL EQUIPMENT SHALL BE UL APPROVED AND SHIPPED TO THE SITE WITH UL LABEL. VITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION
S D 45. W	HALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING A SINGLE LINE DIAGRAM OF THE BUILDING ELECTRIC. DISTRIBUTION SYSTEM AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION. VITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, OPERATING AND MAINTENANCE MANUALS SHALL B
0	ROVIDED TO THE BUILDING OWNER, INCLUDING SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, OPERATION AND MAINTENANCE MANUALS OR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE WITH CLEARLY IDENTIFIED REQUIRED ROUTINE

2

TRICAL LIGHTING LEGEND:	SYSTEMS LEGEND:	RSSH
MOUNTING HEIGHT ABOVE FINISHED FLOOR, UNLESS NOTED.	CR 48" TO C.L. SECURITY SYSTEM, PROVIDE OUTLET BOX WITH PULL STRING STUBBED ABOVE	ΙΟΟΓΙ
2' X 4' LED LIGHT FIXTURE ("A" = FIXTURE TYPE, "HA-XX" = CIRCUIT, "a" = SWITCH)	ACCESSIBLE CEILING - "DC" DENOTES DOOR CONTACTOR, COORDINATE HEIGHT WITH VENDOR - "CR" DENOTES CARD READER - "ES" DENOTES ELECTRIC STRIKE	RS&H, Inc.
6" LED DOWNLIGHT ("A" = FIXTURE TYPE, "HA-XX" = CIRCUIT, "a" = SWITCH)	- "I" DENOTES INTERCOM - "IR" DENOTES PASSIVE INFRARED DEVICE LOCATED ABOVE DOOR - "ML" DENOTES MAGNETIC LOCK, COORDINATE HEIGHT WITH VENDOR	4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237 303-409-9700 FAX 303-409-9701
EMERGENCY LIGHT FIXTURE (S). "NL" DENOTES FIXTURES TO BE NIGHT LIGHTS (UNSWITCHED) UNO PROVIDE UNSWITCHED HOT FROM CIRCUIT SERVING FIXTURE FOR EMERGENCY BALLAST	- "PR" DENOTES PARABIT READER - "DO" DENOTES ADA PUSHBUTTON - "RX" DENOTES REQUEST TO EXIT - "MD" DENOTES MOTION DETECTION DEVICE	www.rsandh.com MO LICENSE NOS. 2003019618 * 20030
LIGHTING FIXTURE, LED EXIT SIGN WITH SELF CONTAINED BATTERY PACK (DARKENED AREA INDICATES LIGHTED FACE) DIRECTIONAL ARROWS AS SHOWN ON FLOOR PLANS	CEILING MOUNTED SECURITY SYSTEM DEVICE	
SHOWN ON FLOOR FLANS	S SPEAKER, PROVIDE JUNCTION BOX AND CONDUIT TO ACCESSIBLE CEILING HUB 48" TO C.L. HOLD UP BUTTON	
	MON 60" TO C.L. SECURITY MONITOR, REQUIRED 120VAC DUPLEX RECEPTACLE PROVIDED BY	
48" TO TOP SWITCH, 20A 120/277	ELECTRICAL CONTRACTOR IND 48" TO C.L. HOLD UP INDICATOR LIGHT	
48" TO TOP 3-WAY SWITCH	KEY 60" TO C.L. ALARM KEYPAD	
3 48" TO TOP WALL MOUNTED SWITCH WIRELESS CONTROL: LUTRON #PX-2B-GWH-01 CW-1-WH	DMP DMP ALARM CONTROL. MOUNTED IN TELECOM RACK	PROJECT TITLE:
48" TO TOP WALL MOUNTED VACANCY MOTION SENSOR: LUTRON #MS-A102-WH CW-1-WH	DVR DIGITAL VIDEO RECORDER. MOUNTED IN TELECOM RACK.	
	SAFE SAFE ALARM, PROVIDE (1)3/4" FROM SAFE TO ALARM CONTROL PANEL	PNC MO LEE'S SUMMI
a ^{48" TO TOP} WALL MOUNTED DIMMER KEYPAD WIRELESS CONTROL: LUTRON #PJ2-2BRL-GWH-L01 CW-1-WH a ^{48" TO TOP} WALL MOUNTED OCCUPANCY DIMMING SWITCH: LUTRON #MS-Z101-WH	ICI ICI MACHINE, COORDINATE REQUIREMENTS WITH EQUIPMENT VENDOR IMC MONEY CLIP, PROVIDE (1)22AWG/4 CONDUCTOR CABLE TO ALARM PANEL	GROUND UP BRANCH
	TCR TELLER CASH RECYCLER, PROVIDE (1)22AWG/4 CONDUCTOR CABLE TO ALARM PANEL	
CEILING MOUNTED OCCUPANCY/VACANCY SENSOR: LUTRON #LRF2-OCR2B-P-WH	ATM ATM ALARM, PROVIDE (1)3/4" FROM ATM TO ALARM CONTROL PANEL	
PHOTOCELL	IR MOTION SENSOR, CORNER OR CEILING MOUNT, FURNISH AND INSTALL 22 GAUGE, 4 CONDUCTOR, STRANDED CABLE (TYPE "C" CABLE).	
TRICAL POWER LEGEND:	ABBREVIATIONS	WEST PRYOR DEVELOPME 9A, NEW PRYOR RD. & NW S
18" TO C.L. WALL MOUNTED DUPLEX RECEPTACLE, NEMA 5-20R, 20A, 125V - GFCI(GROUND FAULT CIRCUIT INTERRUPTER) - SINGLE RECEPTACLE - QUAD RECEPTACLE (DOUBLE DUPLEX) - USB CHARGER COMBINATION, ALSO DENOTED BY "USB" - ISOLATED GROUND, ALSO DENOTED BY "IG" - TICK MARKS DENOTE EMERGENCY CIRCUIT (RED OUTLET)	AFF —— ABOVE FINISHED FLOOR	WOODS XING,
- SINGLE RECEPTACLE - QUAD RECEPTACLE (DOUBLE DUPLEX)		LEE'S SUMMIT, MO 640
- USB CHARGER COMBINATION, ALSO DENOTED BY "USB" □ - ISOLATED GROUND, ALSO DENOTED BY "IG"	C — CONDUIT CB — MOLDED CASE CIRCUIT BREAKER	
- TICK MARKS DENOTE EMERGENCY CIRCUIT (RED OUTLET) - "WP" DENOTES WEATHERPROOF	CH —— COUNTER HEIGHT, ABOVE BACK SPLASH	STE OF MISSON
- "CH" DENOTES COUNTER HEIGHT - "HR" DENOTES HORIZONTAL MOUNTING, ABOVE COUNTER HEIGHT	CKT —— CIRCUIT CLG —— CEILING	DREW A.
- "#" DENOTES MOUNTING HEIGHT IN INCHES	CLG —— CEILING DE —— DEMOLISH	β_{\star} (Chitwood) \star
18" TO C.L. SPECIAL PURPOSE RECEPTACLE, L5-30R TWIST LOCKS. - TICK MARKS DENOTE EMERGENCY CIRCUIT (RED OUTLET)		NUMBER PE-2018007862
JUNCTION BOX, 4" SQUARE BY 1-1/2" DEEP, MINIMUM, PROVIDE CONDUIT TO	EX —— EXISTING TO REMAIN FACP —— FIRE ALARM CONTROL PANEL	
ACCESSIBLE CEILING SPACE (U.N.O.) - "E" DENOTES ELECTRICAL CONNECTION TO SUIT FURNISHED EQUIPMENT	FB — FLOOR BOX	03/17
- "J" DENOTES A CEILING MOUNTED JUNCTION BOX	FTU —— FAN TERMINAL UNIT GFI —— GROUND-FAULT CIRCUIT INTERRUPTER	the ACITI
-TICK MARKS INDICATE WALL MOUNT, "#" DENOTES MOUNTING HEIGHT	MCB —— MAIN CIRCUIT BREAKER	
FLOORBOX AND POKE THRU FLOOR BOX, REFER TO FLOORBOX SCHEDULE, 'X' DENOTE NUMBER OF DATA PORTS.	MLO —— MAIN LUG ONLY NEC —— NATIONAL ELECTRICAL CODE	
48" TO TOP EPO (EMERGENCY POWER OFF), COORDINATE WITH VENDOR DRAWINGS FOR TYPE	NF — NOT FUSED	
78" TO TOP PANELBOARD, 480/277 VOLT, SEE PANEL SCHEDULES		
■ 78" TO TOP PANELBOARD, 208/120 VOLT, SEE PANEL SCHEDULES	RE —— RELOCATE TV —— TELEVISION	
DRY TYPE TRANSFORMER, 480/277 TO 208/120, SEE RISER/ONE LINE DIAGRAM	UC — UNDER COUNTER	NO. DESCRIPTION
DISCONNECT SWITCH, SEE EQUIPMENT SCHEDULE	UNO —— UNLESS NOTED OTHERWISE WP —— WEATHERPROOF	
GROUND BUS BAR CONDUIT RUN, CONCEALED, WALL OR CEILING		
 CONDUIT RUN, CONCEALED IN FLOOR, UNDERFLOOR OR UNDERGROUND CONDUIT STUB-UP 		
M DISCONNECT SWITCH, SEE EQUIPMENT SCHEDULE		
IUNICATIONS LEGEND:		
18" TO C.L. TELEPHONE/DATA OUTLET, (1)TELEPHONE AND (1)DATA DROP (U.N.O.)		
18" TO C.L. DATA OUTLET, SINGLE DROP (U.N.O.) 48" TO C.L. TELEPHONE OUTLET, SINGLE DROP (U.N.O.)		DATE ISSUED:
- "CH" DENOTES COUNTER HEIGHT - "#" DENOTES HEIGHT IN INCHES A.F.F.		DRAWN BY:
- CIRCLE DENOTES DEVICE IS LOCATED ON CEILING		DESIGNED BY:
CEILING MOUNTED WIRELESS ACCESS POINT, PROVIDE (1)DATA CONNECTION		PROJECT NUMBER:
		5240368028
		© 2022 RS&H, INC.
		SHEET TITLE:
	SHEET LIST	ELECTRICAL NOT
	SHEET NO. SHEET NAME ISSUE DATE	SYMBOLS AND
	E001 ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS 01/27/2022	ABBREVIATION
	ES101 ELECTRICAL SITE PLAN 01/27/2022	

7	18" TO C.L.	TELEPHONE/DATA OUTLET, (1)TELEPHONE AND (1)DATA DROP (U.N.O.)
•	18" TO C.L.	DATA OUTLET, SINGLE DROP (U.N.O.)
\triangleleft	48" TO C.L.	TELEPHONE OUTLET, SINGLE DROP (U.N.O.)
		- "CH" DENOTES COUNTER HEIGHT
		- "#" DENOTES HEIGHT IN INCHES A.F.F.
		- CIRCLE DENOTES DEVICE IS LOCATED ON CEILING
\ /		
X		CEILING MOUNTED WIRELESS ACCESS POINT, PROVIDE (1)DATA CONNECTION

3

ES101 E101 E200 E201 E301 E402 E401 E501 E502 E601 E602 E603

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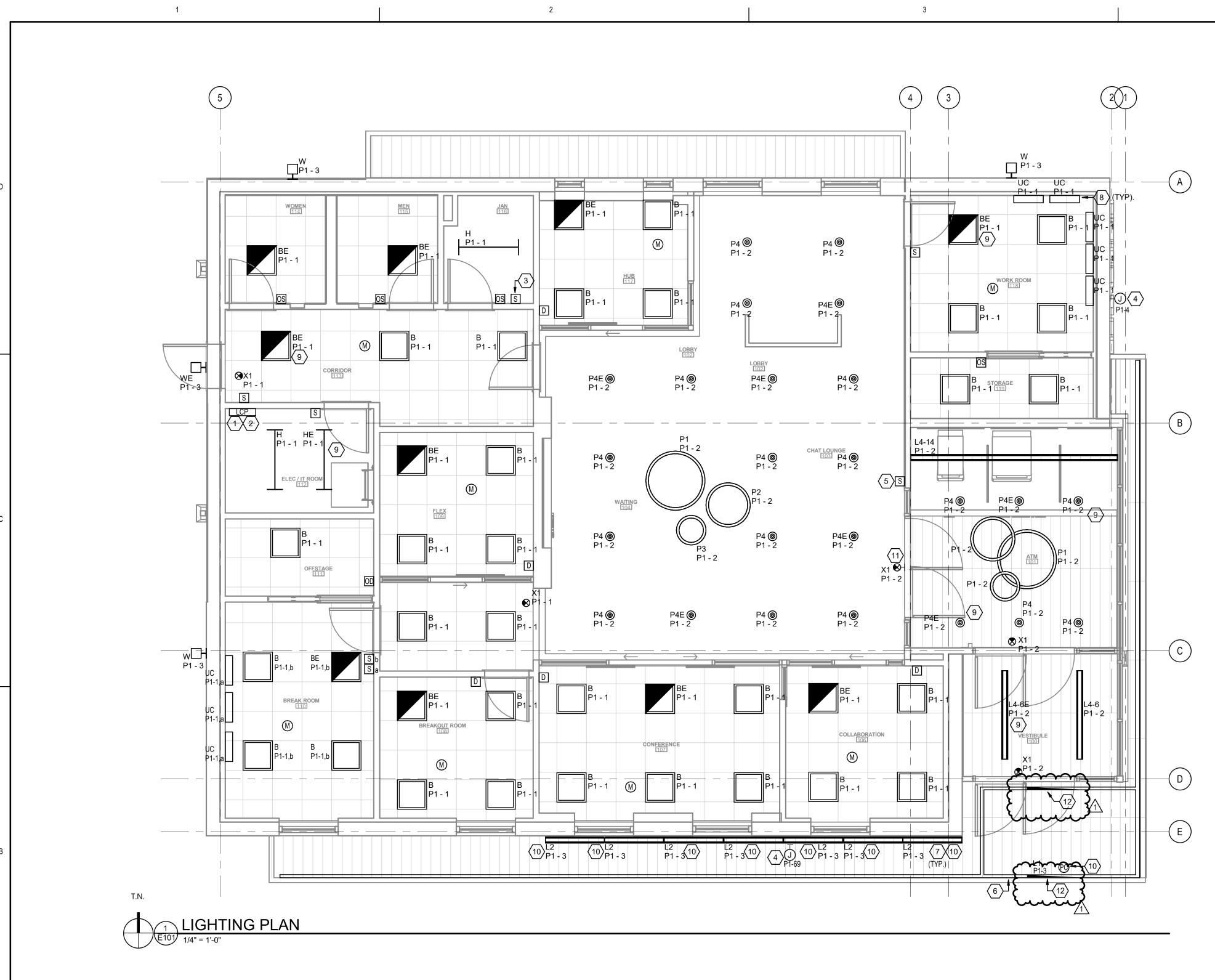
ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS	01/27/2022
ELECTRICAL SITE PLAN	01/27/2022
ELECTRICAL LIGHTING PLAN	01/27/2022
FLOORBOX AND CONDUIT ROUGH-IN PLAN	01/27/2022
ELECTRICAL POWER & COMMUNICATIONS PLAN	01/27/2022
ELECTRICAL SYSTEMS PLAN	01/27/2022
ELECTRICAL SYSTEMS PLAN - ROOF	01/27/2022
ELECTRICAL DETAILS	01/27/2022
ELECTRICAL DETAILS	01/27/2022
ELECTRICAL RISER DIAGRAM AND SCHEDULES	01/27/2022
ELECTRICAL SCHEDULES	01/27/2022
LIGHTING COMCHECK	01/27/2022
INTERIOR PHOTOMETRICS	01/27/2022
ATM PHOTOMETRICS	01/27/2022

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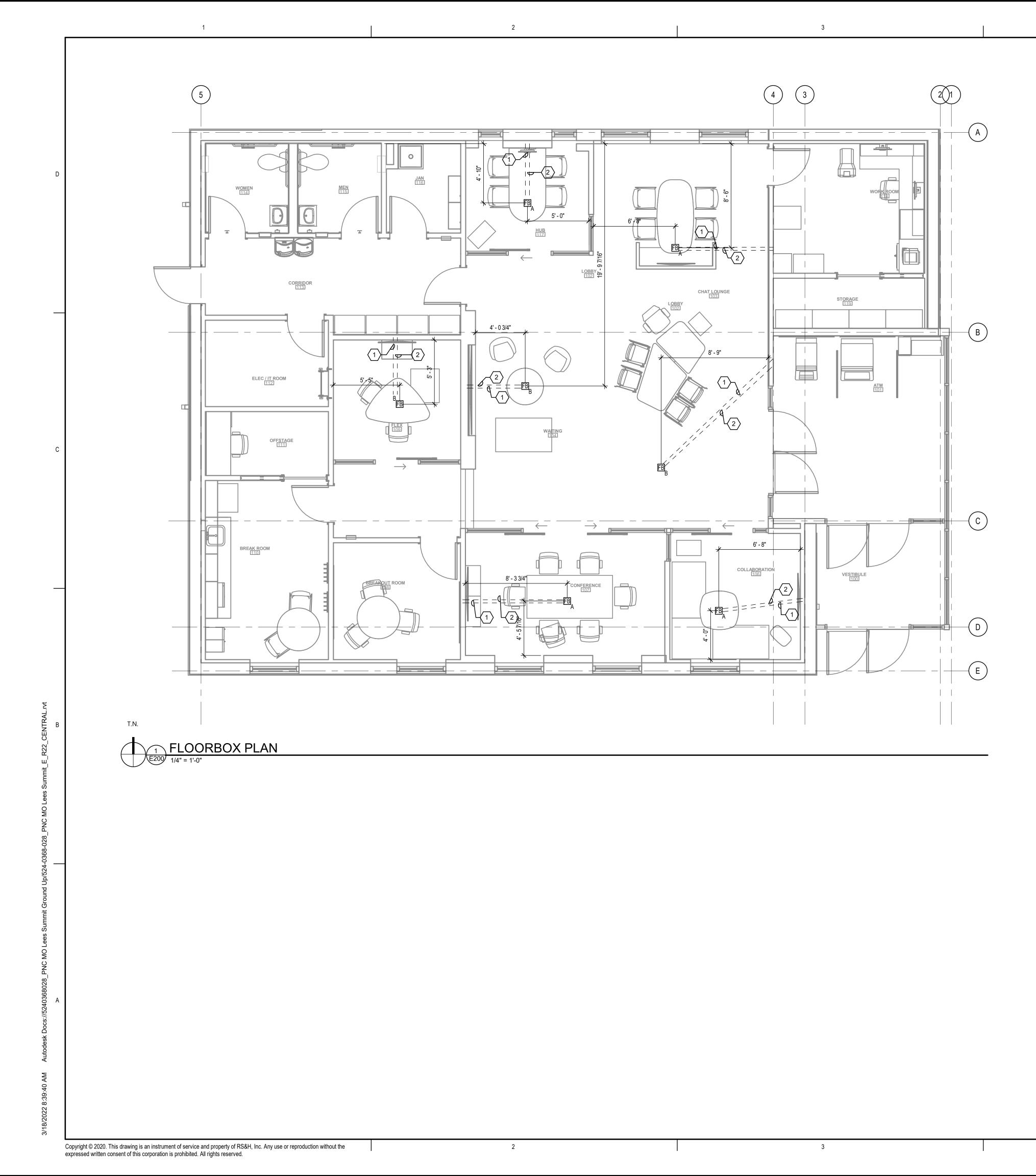
SHEET ID: E001

PROJECT STATUS: PERMIT DOCUMENTS





GENERAL NOTES:	
A. LABELS SHALL BE PROVIDED FOR ALL LIGHTING SWITCHES, PROVIDE LABEL INDICATING PANEL NAME AND CIRCUIT SERVING SWITCH. INSTALL LABEL NEAR BOTTOM OF COVER PLATE. LABELS SHALL BE MADE OF CLEAR SELF-LAMINATING VINYL WITH APPROXIMATE 1/8 INCH LETTERING, COLOR BLACK.	RS&H
B. ALL LIGHTING FIXTURES TO BE SUPPORTED FROM BUILDING STRUCTURE. FIXTURES SHALL NOT BE SUPPORTED FROM DROP CEILINGS.	
	RS&H, Inc. 4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237
	303-409-9700 FAX 303-409-9701
SHEET NOTES:	www.rsandh.com MO LICENSE NOS. 2003019618 * 20030196
 LUTRON "EcoSystem" "Energi Savr Node" (ESN), A & B. MOUNT DEVICES ONE ABOVE THE OTHER ON WALL ABOVE "EcoSystem" TIMECLOCK REFERENCED IN NOTE 2. REFER TO DETAIL 1/E402 FOR WIRING REQUIREMENTS. 	
2. LUTRON "EcoSystem" TIMECLOCK. SURFACE MOUNT IN A STANDARD 4-GANG BOX BELOW ESN-A & B AT 48"	PNC
A.F.F. REFER TO DETAIL 1/E402 FOR WIRING REQUIREMENTS.3. MANUAL OVERRIDE SWITCH TO OVERRIDE ALL LUTRON NETWORKED LIGHTING CONTROLS AND ENERGIZE	US I
EXTERIOR SIGNS. FLUSH MOUNT IN A SINGLE GANG BOX AT 48" A.F.F. REFER TO DETAIL 1/E402 FOR WIRING REQUIREMENTS.	
 JUNCTION BOX FOR POWER TO PNC SIGNAGE AND/OR LOGO. COORDINATE EXACT LOCATIONS WITH SIGNAGE VENDOR PRIOR TO ROUGH-IN. PROVIDE 1"C FOR POWER. SIGNAGE SHALL BE CONTROLLED VIA PHOTOCELL FOR DUSK/DAWN OPERATION. 	
5. MANUAL OVERRIDE SWITCH TO OVERRIDE ALL NETWORKED LIGHTING CONTROLS AND ENERGIZE INTERIOR LIGHT FIXTURES IN LOBBY, WAITING AREA, GATHERING AREA, AND CORRIDORS. REFER TO	PROJECT TITLE:
DETAIL 1/E402. 6. CANOPY LINEAR DOWN LIGHT, MOUNTED RECESSED WITHIN CANOPY STRUCTURE, SEAMLESS LINEAR	PNC MO LEE'S SUMMIT
LIGHT. SEE LUMINAIRE SCHEDULE. 7. CANOPY MOUNTED LINEAR UP LIGHT. SEE LUMINAIRE SCHEDULE. TYPICAL FOR FIXTURE TYPE 'L2'.	GROUND UP BRANCH
 CONCEAL FEEDERS FOR UNDERCABINET LIGHTING IN CABINET ABOVE IN A CLEAN WORKMANLIKE MANNER. TYPICAL OF ALL UNDERCABINET LIGHTING. 	
9. FIXTURES SHALL BE CIRCUITED AHEAD OF CONTROLS WITHIN AREA OF 24/7 ON OPERATION.	
10. FIXTURES SHALL BE CONTROLLED VIA PHOTOCELL FOR DUSK/DAWN OPERATION.	PROJECT ADDRESS:
11. PROVIDE WM WALL MOUNT OPTION FOR WALL MOUNTED EXIT SIGN. SEE LUMINAIRE SCHEDULE. 12. PROVIDE 4FT EMERGENCY SECTION FOR L1 FIXTURE. SEE FIXTURE SCHEDULE FOR EMERGENCY OPTION.	WEST PRYOR DEVELOPMENT, L 9A, NEW PRYOR RD. & NW SUMI
	WOODS XING, LEE'S SUMMIT, MO 64081
	STE OF MISSO
	DREW A. CHITWOOD
	NUMBER PE-2018007862
	NOVAL ENGLE
	MACITI 03/17/20
	REVISIONS
	NO. DESCRIPTION DATE
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	NO. DESCRIPTION DAT 1 PERMIT COMMENTS 01 03/17/2 - - - DATE ISSUED: 02/15/2 REVIEWED BY: - DRAWN BY: - DESIGNED BY: - PROJECT NUMBER: - 5240368028 © © 2022 RS&H, INC. <t< td=""></t<>
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	NO. DESCRIPTION DAT 1 PERMIT COMMENTS 01 03/17/2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - DATE ISSUED: 02/15/2 REVIEWED BY: 02/15/2 DRAWN BY: - DESIGNED BY: - PROJECT NUMBER: 5240368028 © 2022 RS&H, INC. - SHEET TITLE: ELECTRICAL
	NO. DESCRIPTION DAT 1 PERMIT COMMENTS 01 03/17/2 - - - DATE ISSUED: 02/15/2 REVIEWED BY: - DRAWN BY: - DESIGNED BY: - PROJECT NUMBER: - SHEET TITLE: ELECTRICAL
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	NO. DESCRIPTION DAT 1 PERMIT COMMENTS 01 03/17/2 - - - DATE ISSUED: 02/15/2 REVIEWED BY: - DRAWN BY: - DESIGNED BY: - PROJECT NUMBER: - SHEET TITLE: ELECTRICAL
	NO. DESCRIPTION DATI 1 PERMIT COMMENTS 01 03/17/2
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GENERAL NOTES:

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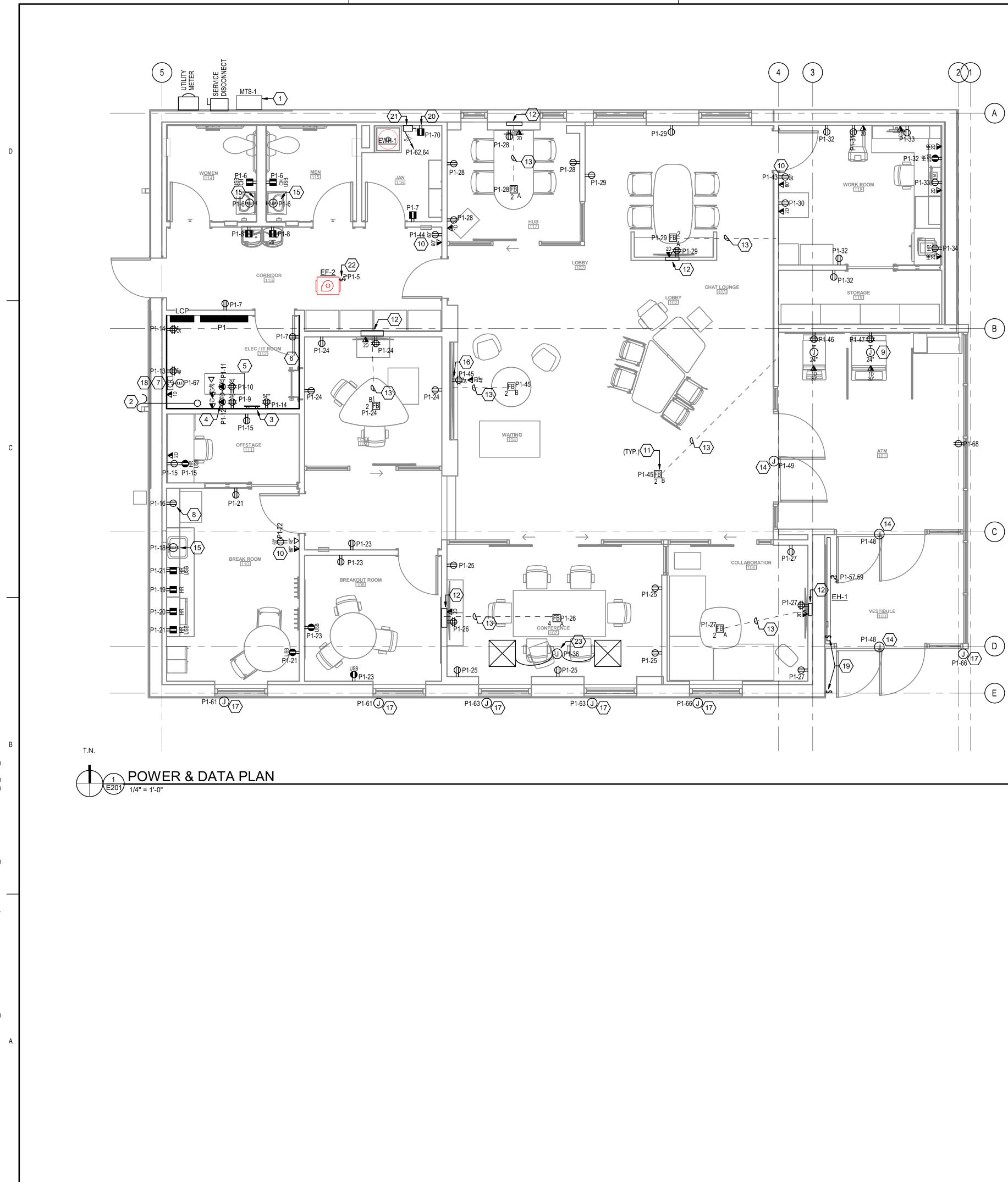
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- A. ALL DIMENSIONS SHALL BE CENTERED TO FLOOR-BOXES. ALL DIMENSIONS SHOWN ARE TAKEN FROM EXISTING WALLS OR THE CENTERLINE OF EXISTING COLUMNS.
- B. THE DIMENSIONED LOCATION OF FLOOR BOXES IS PROVIDED FOR BIDDING PURPOSES ONLY. E.C. SHALL VERIFY THE EXACT LOCATION OF THE FLOORBOX WITH PNC PRIOR TO ROUGH-IN.
- C. REFER TO FLOORBOX SCHEDULE ON SHEET E502 FOR SPECIFICATIONS, REQUIRED CONDUITS AND ADDITIONAL INFORMATION.
- D. TRANSITION FROM PVC TO METAL CONDUIT NOT TO EXCEED 4" ABOVE SLAB.

SHEET NOTES:

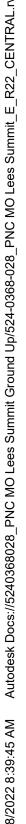
- . PROVIDE (1) 1"C FOR POWER SECTION OF FLOOR BOX, STUB CONDUIT ABOVE ACCESSIBLE CEILING. COORDINATE STUB-UP LOCATIONS IN WALLS WITH G.C. PRIOR TO ROUGH-IN.
- 2. PROVIDE (1) 2"C FOR DATA SECTION OF FLOOR BOX, STUB CONDUIT ABOVE ACCESSIBLE CEILING. COORDINATE STUB-UP LOCATIONS IN WALLS WITH G.C. PRIOR TO ROUGH-IN.

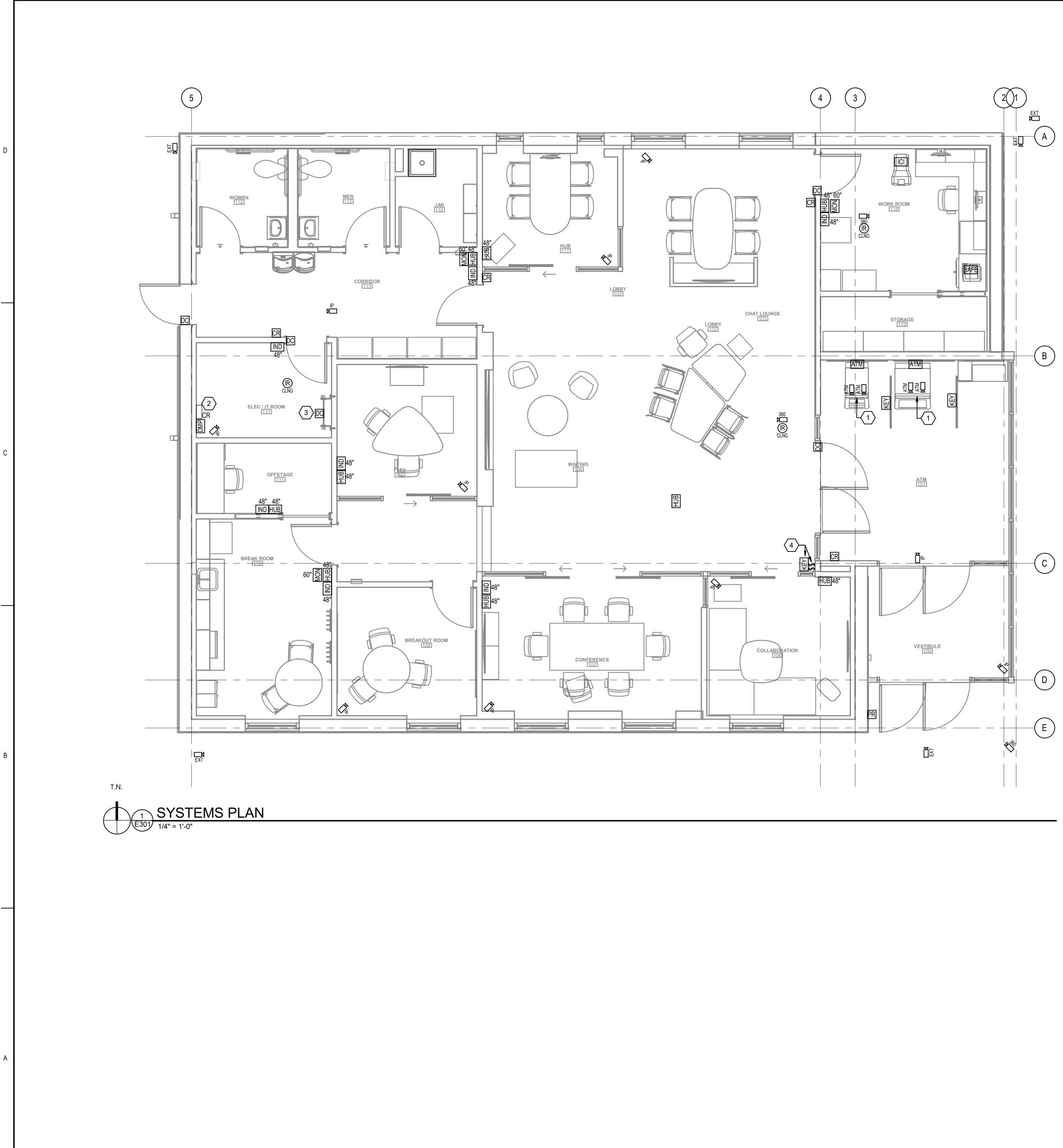
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RS&H, Inc. 4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237 303-409-9700 FAX 303-409-9701
www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636
PNC
PROJECT TITLE: PNC MO LEE'S SUMMIT GROUND UP BRANCH
PROJECT ADDRESS: WEST PRYOR DEVELOPMENT, LOT 9A, NEW PRYOR RD. & NW SUMMIT WOODS XING, LEE'S SUMMIT, MO 64081
DREW A. CHITWOOD NUMBER PE-2018007862 STONAL ENGINE 03/17/2022
REVISIONS
NO. DESCRIPTION DATE
DATE ISSUED: 02/15/2022
REVIEWED BY:DACDRAWN BY:SBDESIGNED BY:SBPROJECT NUMBER:5240368028
© 2022 RS&H, INC. SHEET TITLE: FLOORBOX AND CONDUIT ROUGH-IN PLAN
SHEET ID:
E200
PROJECT STATUS: PERMIT DOCUMENTS

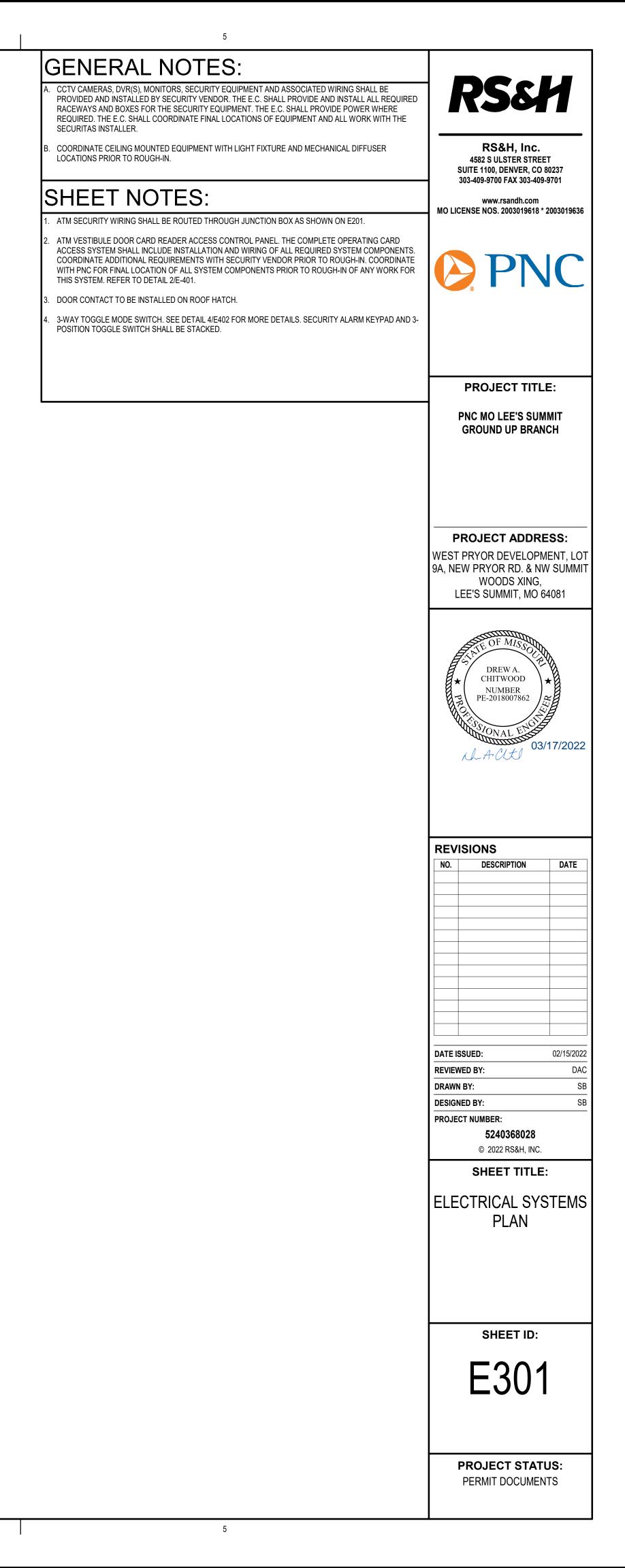


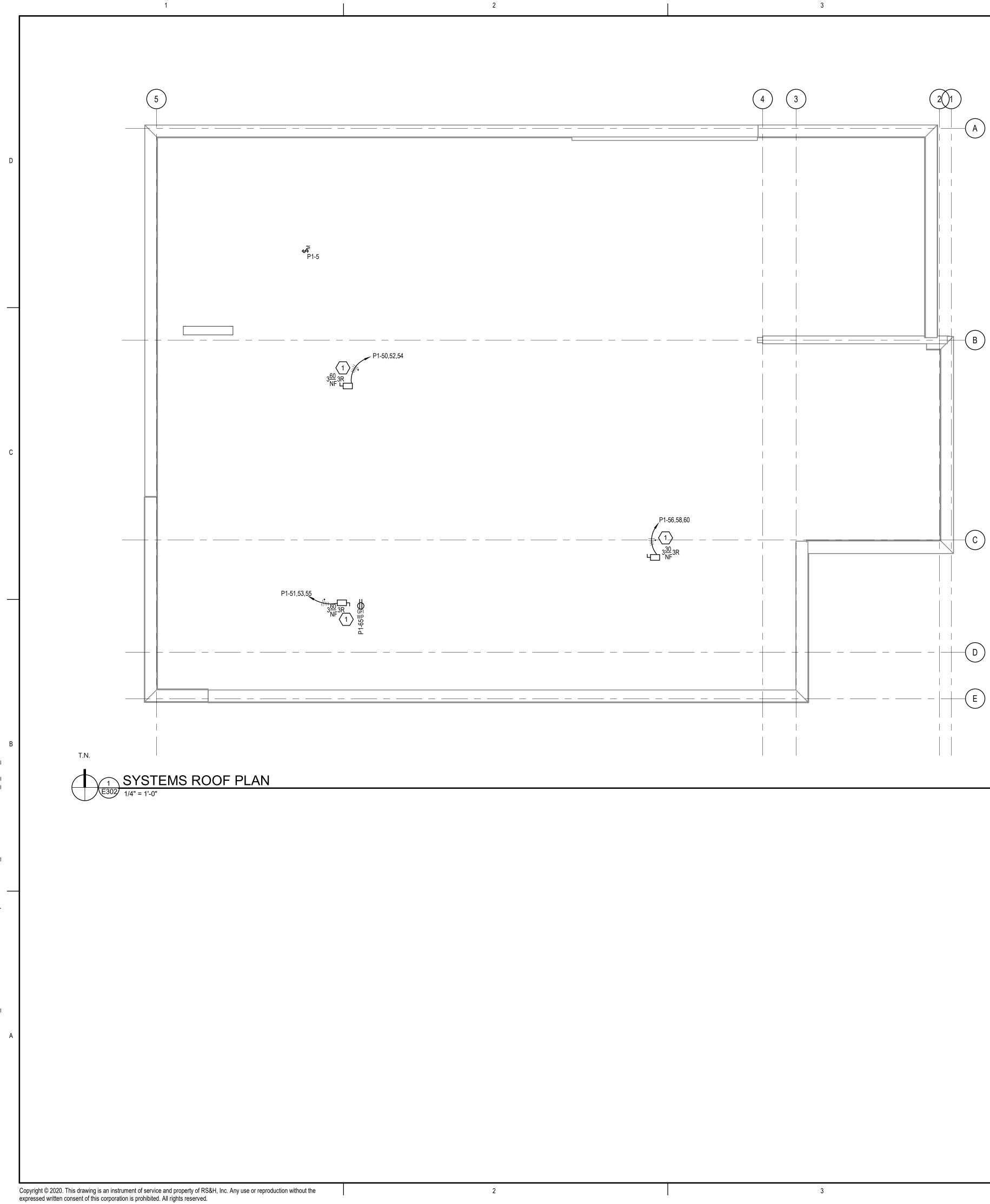
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GENERAL NOTES:	
A. CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL POWER AND COMMUNICATIONS MODULAR FURNITURE BASE. COORDINATE INSTALLATION WITH MODULAR FURNITURE VENDOR FOR A COMPLETE SYSTEM.	RS &H
B. LABELS SHALL BE PROVIDED FOR ALL RECEPTACLES AND LIGHTING SWITCHES, PROVIDE LABEL INDICATING PANEL NAME AND CIRCUIT SERVING RECEPTACLES OR SWITCH. INSTALL LABEL NEAR BOTTOM OF COVER PLATE. LABELS SHALL BE MADE OF CLEAR SELF-LAMINATING VINYL WITH APPROXIMATE 1/8 INCH LETTERING, COLOR BLACK.	RS&H, Inc. 4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237
C. MOUNT RECEPTACLES WITH THE LONG DIMENSION OF THE DEVICE VERTICAL AND THE U-SHAPED GROUND POSITION AT BOTTOM EXCEPT WHERE SPECIFICALLY NOTED ON THE PLANS TO BE MOUNTED WITH THE LONG DIMENSION OF THE DEVICE HORIZONTAL (WITH THE U-SHAPED GROUND POSITION ON THE RIGHT). MOUNT ADJACENT SYSTEMS DEVICES TO MATCH RECEPTACLE MOUNTING CONFIGURATION.	303-409-9700 FAX 303-409-9701 www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636
SHEET NOTES:	
 NEW MANUAL TRANSFER SWITCH 'MTS-1'. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION. 	$\bigcirc PNC$
 NEW (2) 4"C WITH WIDE SWEEP RADIUS ELBOWS AND PULL STRINGS FROM TELEPHONE UTILITY EASEMENT TO THE PLYWOOD BOARD IN ELEC/IT ROOM. CONDUIT SHALL BE STUBBED UP 6" A.F.F. 	W W
GROUND BAR FOR DATA RACK AND TELEPHONE BACKBOARD. PROVIDE #6G FROM GROUND BAR TO GROUND BUS IN PANEL 'P1'.	
 PROVIDE (2) NEMA L5-30R SINGLE RECEPTACLES WITH (2)#10, #10G, 3/4"C. EACH TO PANEL 'P1'. CIRCUIT AS INDICATED. MOUNTING HEIGHTS SHOWN ON PLAN. 	
5. IT RACK. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.	PROJECT TITLE:
 3/4" FIRE RATED AC GRADE PLYWOOD BACKBOARDS ALONG ALL WALLS FROM FLOOR TO CEILING. LEAVE FIRE RATING STAMP UNPAINTED AND FACING OUTWARD. 	PNC MO LEE'S SUMMIT
ATM VESTIBULE DOOR CARD READER ACCESS CONTROL PANEL. THE COMPLETE OPERATING CARD ACCESS SYSTEM SHALL INCLUDE INSTALLATION AND WIRING OF ALL REQUIRED SYSTEM COMPONENTS. COORDINATE ADDITIONAL REQUIREMENTS WITH SECURITY VENDOR PRIOR TO ROUGH-IN. COORDINATE WITH PNC FOR FINAL LOCATION OF ALL SYSTEM COMPONENTS PRIOR TO ROUGH-IN OF ANY WORK FOR THIS SYSTEM. REFER TO DETAIL 2/E-401.	GROUND UP BRANCH
3. PROVIDE GFI CIRCUIT BREAKER FOR CIRCUIT SERVING WIRING DEVICE. REFER TO PANEL SCHEDULES ON	
E501. 9. 3/4"C WITH PULLSTRING FOR ATM SECURITY WIRING AND TERMINATE AT THE PLYWOOD BACKBOARD IN	
ELEC/IT 112. 10. RECEPTACLE FOR SECURITY MONITOR. REFER TO E301 FOR SECURITY SYSTEM PLAN.	PROJECT ADDRESS: WEST PRYOR DEVELOPMENT, LOT
1. FLUSH FLOORBOX, REFER TO E502 FOR FLOORBOX SCHEDULE FOR ADDITIONAL INFORMATION. TYPICAL FOR ALL FLOOR BOXES.	9A, NEW PRYOR RD. & NW SUMMIT WOODS XING, LEE'S SUMMIT, MO 64081
12. PROVIDE LEGRAND CHIEF #PAC525 IN-WALL BOX OR EQUAL FOR POWER AND DATA SHOWN AT WALL. PROVIDE (2) DUPLEX RECEPTACLES FOR POWER, AND (2)CAT6 DATA JACKS WITH 3/4"C STUBBED TO ABOVE CEILING PLENUM FOR DATA. COORDINATE EXACT HEIGHT AND LOCATIONS WITH AV VENDOR AND ARCHITECT.	
 UNDERGROUND CONDUIT(S) FROM FLUSH BOX TO WALL. REFER TO E200 FOR CONDUIT SIZES AND ADDITIONAL INFORMATION. 	DREWA.
14. PROVIDE CIRCUIT FOR POWERED DOOR MOTOR AND CONTROLS. COORDINATE FINAL CONNECTIONS WITH HARDWARE VENDOR.	$\begin{array}{c} \text{DREW A.} \\ \text{CHITWOOD} \\ \text{NUMBER} \\ \text{PE-2018007862} \end{array} \end{array} $
15. ELECTRICAL CONNECTION FOR AUTOMATED PLUMBING FIXTURES. FIELD COORDINATE J-BOX AND FINAL MOUNTING LOCATION WITH PLUMBING CONTRACTOR. BOX TO BE CONCEALED AS MUCH AS POSSIBLE.	
16. MOUNT POWER AND DATA RECEPTACLES BEHIND TV.	03/17/2022
17. PROVIDE JUNCTION BOX AND 120V POWER FOR MOTORIZED ROLL DOWN SHUTTERS. COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS.	Nh trail
18. PROVIDE 120V, 20A ELECTRICAL CONNECTION FOR ACCESS CONTROL PANEL.	
 PROVIDE KEYED SWITCH FOR VESTIBULE STORE FRONT. MAKE CONNECTIONS TO ROLL DOWN GATE AS NECESSARY. 	
20. PROVIDE RECEPTACLE FOR RECIRCULATING PUMP. COORDINATE MOUNTING LOCATION WITH MECHANICAL CONTRACTOR.	REVISIONS NO. DESCRIPTION DATE
21. EWH-1 DISCONNECT: 30A FRAME, 3-POLE, NON-FUSED. 22. DISCONNECT PROVIDED WITH EQUIPMENT. COORDINATE FINAL ELECTRICAL CONNECTIONS WITH	
22. DISCONNECT PROVIDED WITH EQUIPMENT: COORDINATE FINAL ELECTRICAL CONNECTIONS WITH MECHANICAL CONTRACTOR. 23. PROVIDE 120V ELECTRICAL CONNECTION FOR VAV-DIFFUSERS. LOCATE POWER MODULE/TRANSFOMER IN	
AN ACCESSIBLE LOCATION ABOVE CEILING. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.	
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	REVIEWED BY: DAC DRAWN BY: SB
	DESIGNED BY: SB
	PROJECT NUMBER: 5240368028
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	ELECTRICAL POWER & COMMUNICATIONS PLAN
	E201
	PROJECT STATUS:
	PERMIT DOCUMENTS
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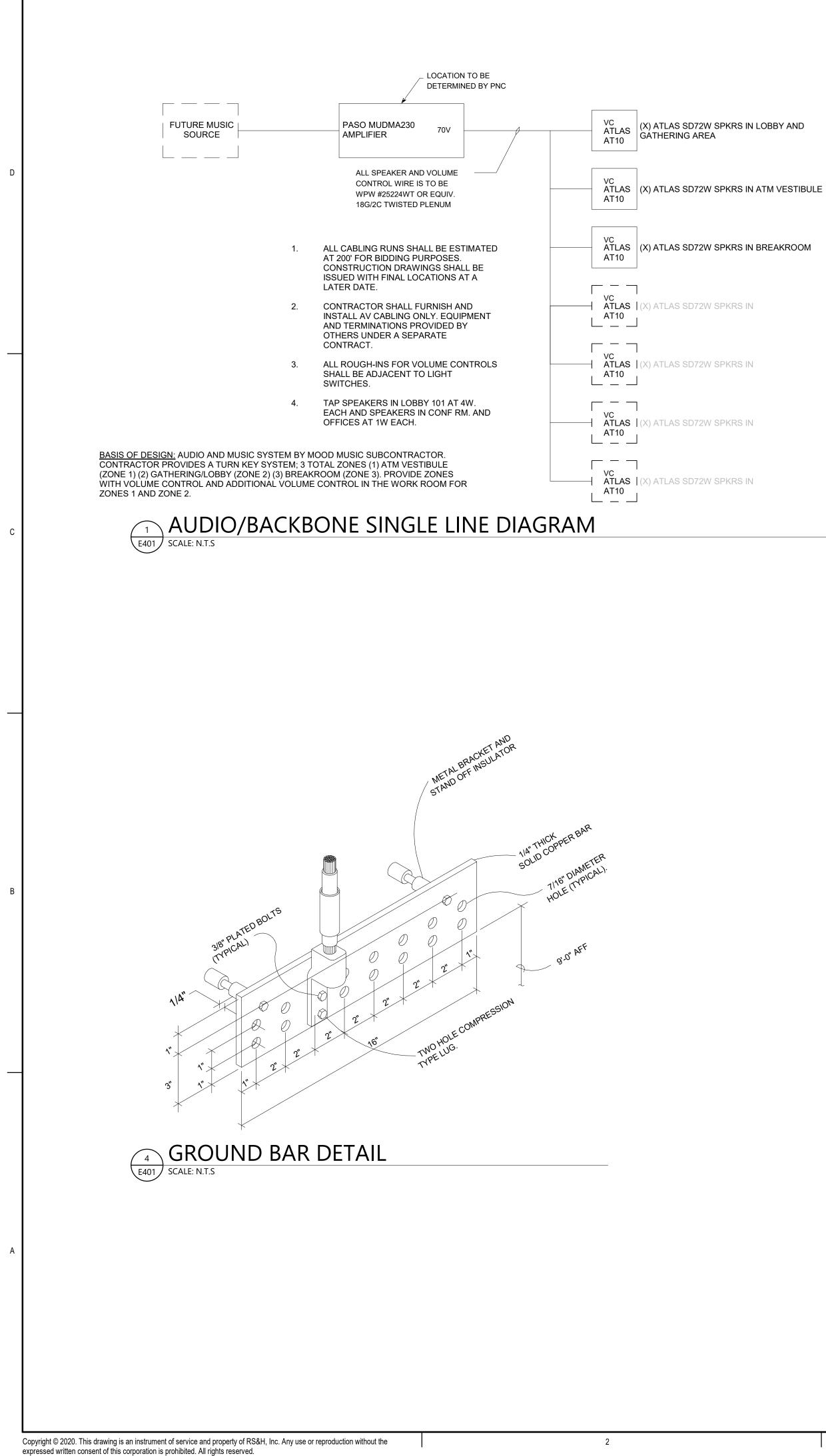


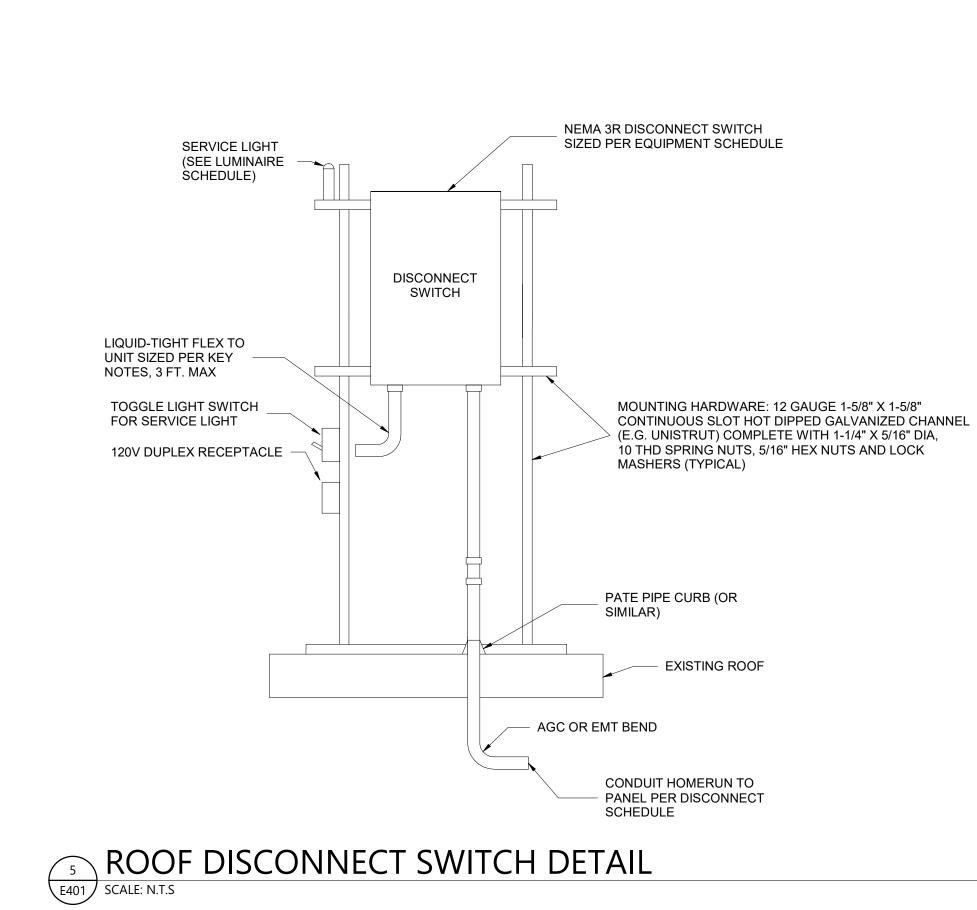


GENERAL NOTES:	
A. REFER TO MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATION AND ADDITIONAL INFORMATION. REFER TO E501 FOR MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE.	RS&H
	RS&H, Inc.
	4582 S ULSTER STREET SUITE 1100, DENVER, CO 80237 303-409-9700 FAX 303-409-9701
	www.rsandh.com MO LICENSE NOS. 2003019618 * 2003019636
SHEET NOTES:	
1. ROOFTOP UNIT DISCONNECTS SHALL BE MOUNTED ON UNISTRUT FRAMING. REFER TO DETAIL 05/E401 FOR ADDITIONAL INFORMATION.	
	-
	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
	A and a second
	DREW A.
	CHITWOOD NUMBER PE-2018007862 →
	SIONAL ENGINE
	10000000000000000000000000000000000000
	NO. DESCRIPTION DATE
	DATE ISSUED: 02/15/2022 REVIEWED BY: DAC
	DRAWN BY: SB DESIGNED BY: SB
	PROJECT NUMBER: 5240368028 © 2022 RS&H, INC.
	SHEET TITLE:
	ELECTRICAL SYSTEMS
	PLAN - ROOF
	SHEET ID:
	E302
	PROJECT STATUS: PERMIT DOCUMENTS
5	

- 5

4





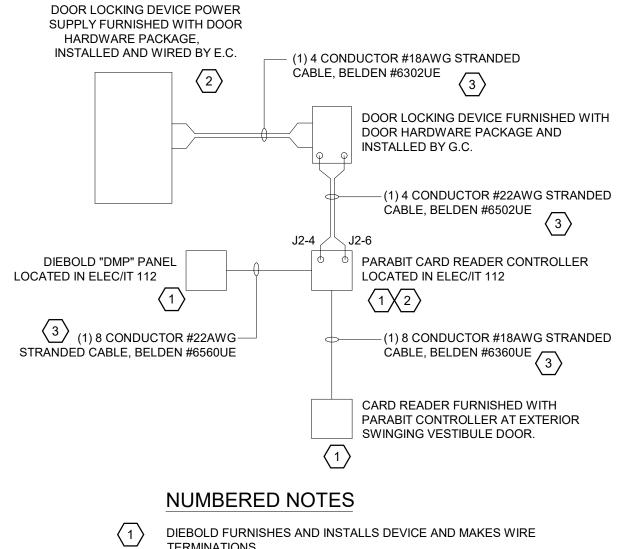
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2 E401 SCALE: N.T.S

 $\langle 3 \rangle$ LVC FURNISHES AND INSTALLS LOW VOLTAGE CABLE.

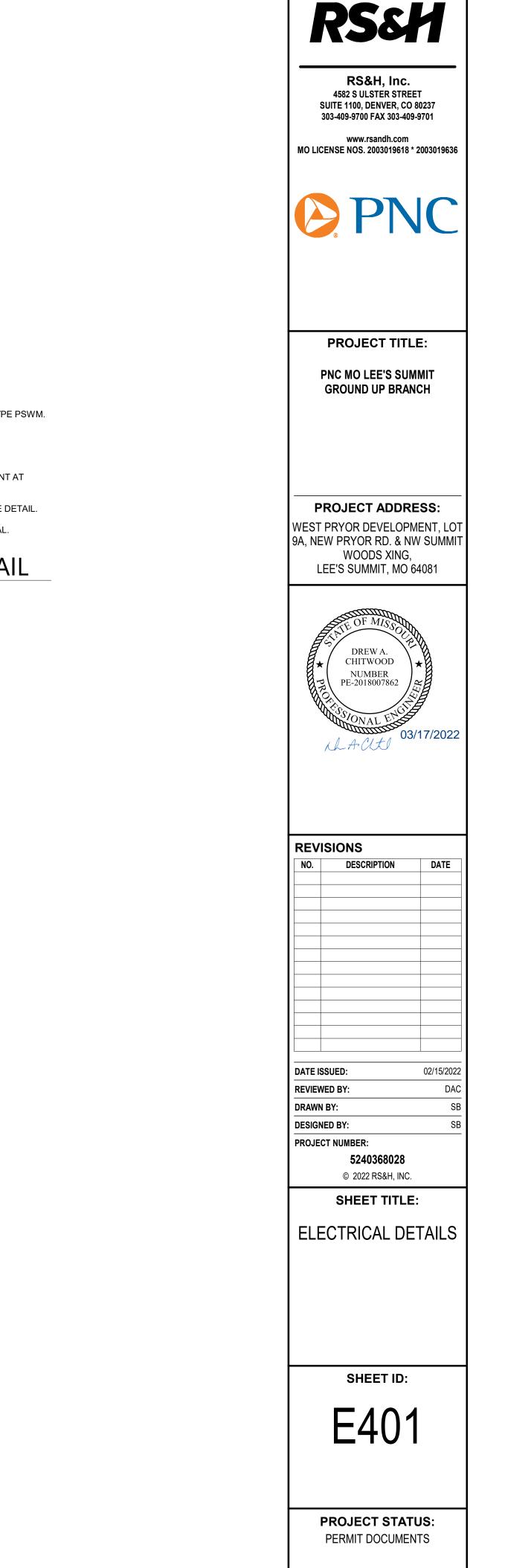
- $\langle 2 \rangle$ E.C. FURNISHES AND INSTALLS 120VAC POWER. REFER TO E-201.
- DIEBOLD FURNISHES AND INSTALLS DEVICE AND MAKES WIRE TERMINATIONS.



2

3

4



BOX #-OUTLET

NOTES: 1. CABLE MARKERS-PANDUIT SELF LAMINATING TYPE PSWM INDICATE THUS. EXAMPLE: "001-D1"

"001-D2" "001-V1"

"015-TV" IDENTIFY EACH CABLE SEGMENT AT EACH END.

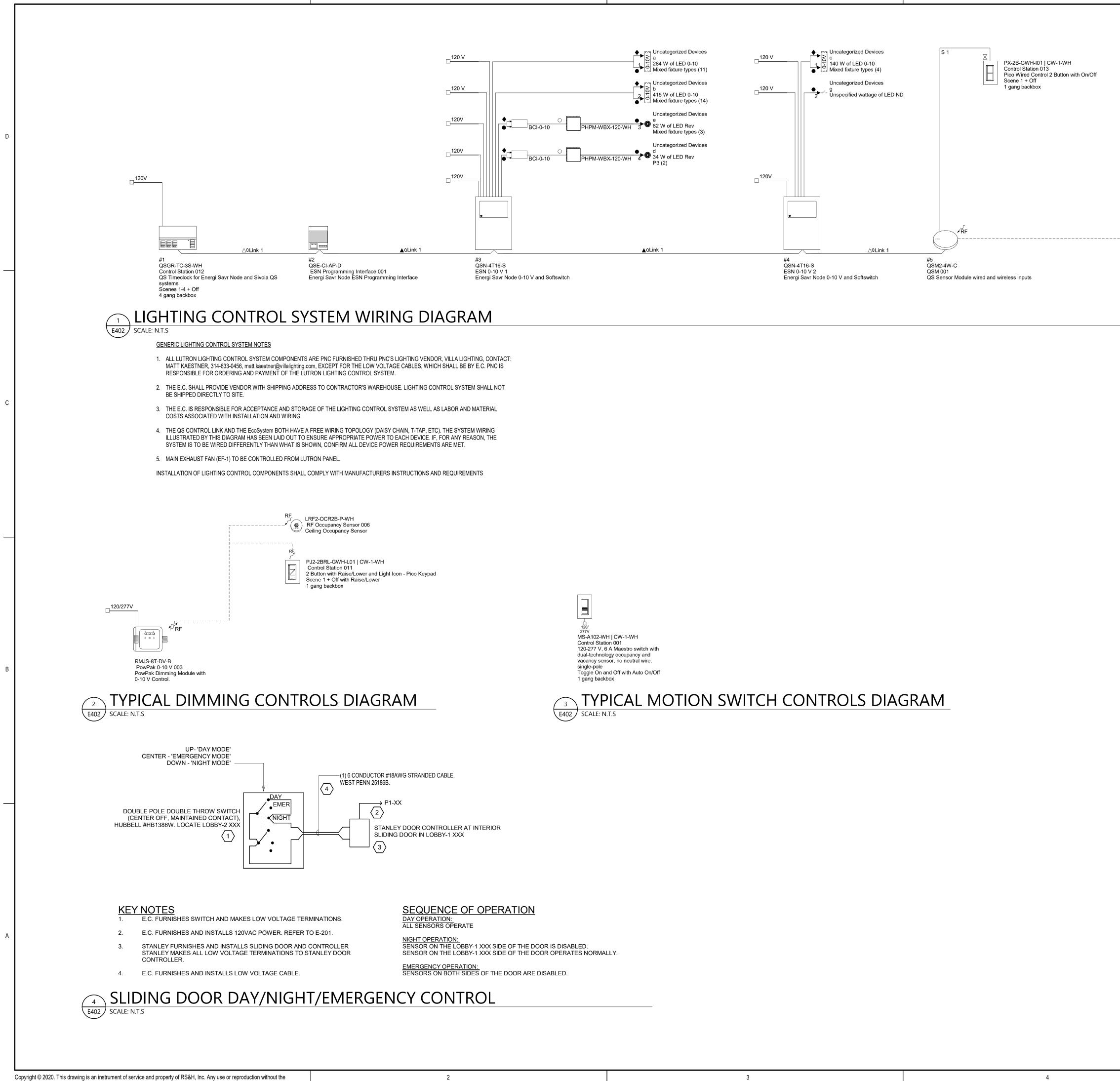
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2. LAMINATED NAMEPLATE-SIMILAR TO ABOVE-SEE DETAIL.

3. SUBMIT LISTING OF NAMEPLATES FOR APPROVAL.

CABLE MARKER DETAIL E401 SCALE: N.T.S



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1

3

	RS &	Н
	RS&H, Inc. 4582 S ULSTER STREE SUITE 1100, DENVER, CO 8 303-409-9700 FAX 303-409-	30237
MO LIC	www.rsandh.com ENSE NOS. 2003019618 *	2003019636
	PN	IC
	PROJECT TITL PNC MO LEE'S SUM GROUND UP BRAN	МІТ
WEST 9A, NE	ROJECT ADDRE PRYOR DEVELOPN W PRYOR RD. & NV WOODS XING, EE'S SUMMIT, MO 6	IENT, LOT V SUMMIT
	DREWA. CHITWOOD NUMBER PE-2018007862 F: SSIONAL ENGINE 03/ MACCH	*
DEV	ISIONS	
NO.	DESCRIPTION	DATE
DATE IS	SSUED:	02/15/2022
	VED BY:	DAC
	IED BY:	SB
PROJE	CT NUMBER: 5240368028	
	© 2022 RS&H, INC.	
ELE	SHEET TITLE	
	SHEET ID:	
	E402)
	PROJECT STAT	US:
	PERMIT DOCUMEN	

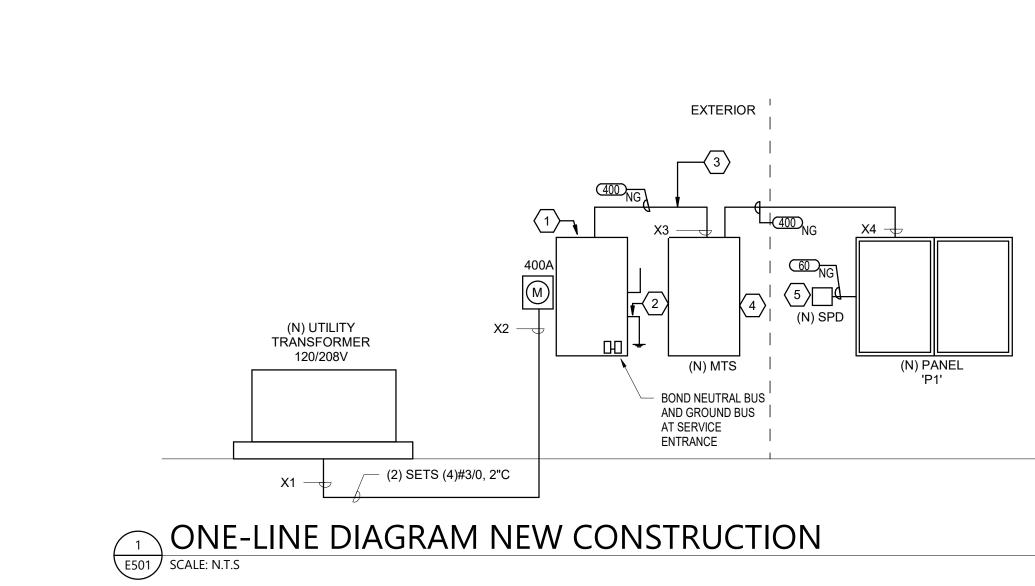
PJ2-2B-GWH-L01 | CW-1-WH

Scene 1 + Off

1 gang backbox

Control Station 014 2 Button with Light Icon - Pico Keypad

5



FEEDER ESIGNATION	SETS	CONDUCTOR SIZE (PROVIDE FOR 3¢ 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"

POINT	C	ESCRIPTION	SHORT CII (Isc SYM
X1	AVAILABLE AT XF	MR SECONDARY	43,23
X2	SERVICE DISCON	INECT	28,21
X3	MTS-1		25,63
X4	PANEL P1		22,79
X5	RTU-1		8,374
X6	RTU-2		3,662
X7	RTU-3		2,302
THE SAME THE SAME	Isc = (Iavailable)*M M = 1/(1+F) F = (1.73 x L x lav C = VALUES FOU EL-L = LINE TO LI L = LENGTH OF R n = NUMBER OF (C CALCULATIONS F(C F = (2 x L x lavaila CALCULATIONS F(C F = (Isc, primary x)	ailable)/(C x n x EL-L) ND IN BUSSMANN SPE NE VOLTAGE 20N IN FEET CONDUCTORS PER PH DR SINGLE (1) PHASE) HANDBOOK FOR C IASE LINE TO LINE, F VAL NT AT THE SECONE 00,000 x kVAxfmr)
EQU	JIP. TYPE	DESCRIF	PTION
PL	UMBING	EWH	-1
	HVAC	<u>EF-0</u>	1

2

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 PAHSE CONDUCTORS, TWO NEUTRAL CONDUCTORS AND ONE EQUIPMENT GROUNDING CONDUCTOR.

D. FEEDER DESIGNATION WITH SUBSCRIPT "N" INDICATED THREE PHASE CONDUCTORS AND ONE NEUTRAL CONDUCTOR.

HVAC GENERAL NOTES:

2

HVAC

HVAC

HVAC

HVAC

SCHEDULE NOTES:

<u>EF-02</u>

<u>RTU-01</u>

RTU-02

<u>RTU-03</u>

<u>EH-01</u>

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.
В.	CONDUIT SIZE IS NEC 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	
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) #1/0 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

3

	SHORT CIRCUIT SCHEDULE											
	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)			
_	43,237											
	28,211	0.652	0.533	25,686	208	38	43,237					
	25,632	0.909	0.101	25,686	208	11	28,211					
	22,791	0.808	0.238	25,686	208	26	28,211					
	8,374	0.367	1.722	2,425	208	22	22,791					
	3,662	0.161	5.223	981	208	27	22,791					
	2,302	0.101	8.899	981	208	46	22,791					

NDBOOK FOR CONDUCTORS AND BUSWAY

E TO LINE, F VALUE CHANGES:

AT THE SECONDARY SIDE OF THE TRANSFORMER, F VALUE CHANGES:

N BUSSMAN POINT TO POINT METHOD

EQUIPMENT SCHEDULE											
			LC	DAD							
TION	LOCATION	FLA	MCA	MOCP	KVA	FUSE	VOLTS	φ	POWER WIRING	COND.	NOTES
<u>1</u>	JANITOR 118		7.2	20.0	1.5		208	1	(2) #12 + (1) #12 G	3/4"	
_	ROOF	1.3	2.0	15.0	0.2		120	1	(2) #12 + (1) #12 G	3/4"	
<u>)</u>	HALL 116	1.4	2.1	15.0	0.2		120	1	(2) #12 + (1) #12 G	3/4"	
<u>1</u>	ROOF		31.0	45.0	11.2	45A-3P	208	3	(3) #8 + (1) #10 G	1"	1
2	ROOF		27.0	30.0	9.7		208	3	(3) #10 + (1) #10 G	3/4"	
3	ROOF		22.0	30.0	7.9		208	3	(3) #10 + (1) #10 G	3/4"	
<u>_</u>	VESTIBULE	5.8	7.3	20.0	1.2		208	1	(2) #12 + (1) #12 G	3/4"	
	1	1	1	1	1	1	1	1 1		1	

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A. VERIFY CB/FUSE AND WIRING REQUIREMENTS WITH SUBMITTALS PRIOR TO WIRING UNITS.

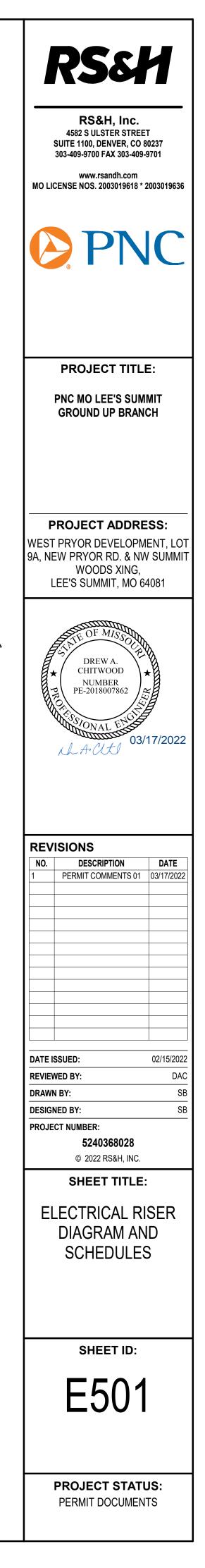
1. PROVIDE CURRENT LIMITING FUSE, VERIFY SHORT CIRCUIT CURRENT DOES NOT EXCEED 5,000 AMPS.

FE MC	CATION: ELEC / IT ROOM 112 D FROM: DUNTING: Surface LOSURE: Type 1		M	AIN R/	STEM: ATING: ATING:	400 A		e, 3Φ, 4	IW				TING: 18,000 TING: 400 A		
#	LOAD NAME	AMP	#P		A	F	3		C	#P	AMP		AME	#	
1		20	1	1.3	0.3	_				1	20	LTG: INTERIOR		2	
3	LTG: EXTERIOR	20	1			0.7	0.5			1	20	LTG: EXTERIOR SIG	NAGE	4	
5	EF-1, EF-2	15	1					0.4	1.0	1	20	RCPT: T.R. 114/115		6	
7	RCPT: RR/JAN/CORR	20	1	0.5	0.4					1	20	RCPT: CORR 113 WA	ATER	8	
9	RCPT: DEDICATD QUAD IT RACK	20	1			0.4	0.4			1	20	RCPT: DEDICATED (QUAD IT RACK	10	
11		20	1					0.4	0.4	1	20	RCPT: L5-30R DEDIC	CATED	12	
-	RCPT: DEDICATED QUAD ELEC 112		1	0.4	0.7					1	20	RCPT: ELEC 112		14	L
-	RCPT: OFFSTAGE 111	20	1			0.5	1.5			1	20	RCPT: FRIDGE		16	
	PWR: DU ATM	30	1					2.0	0.2	1	20	PWR: FAUCET BRK		18	
	RCPT: COFFEE MAKER BRK RM 110		1	1.4	1.2					1		RCPT: MICROWAVE		20	
21		20	1			0.7	0.2			1	20	RCPT: MONITOR BR	K RM 110	22	
-	RCPT: BREAKOUT 108	20	1	0.0	0.4			0.7	0.9	1	20	RCPT: FLEX 109	E 407	24	
-	RCPT: CONFERENCE 107	20	1	0.9	0.4	0.7	0.7			1	20	RCPT: CONFERENC	E 107	26	
27		20	1			0.7	0.7	0.7	1.4	1	20	RCPT: HUB 117		28	
31	RCPT: GATHERING 105 RCPT: ICI MACHINE	20 20	1	0.6	0.7			0.7	1.4	1	20 20	RCPT: PRINTER WR RCPT: WRK RM 118/	-	30 32	
-	RCPT: WRK RM 118	20	1	0.0	0.7	0.4	0.6			1	20	PWR: PRINTER WRK		34	
25		20	1			0.4	0.0	2.0	0.5	1	20	VAV-DIFFUSERS		36	
30		20	1	0.0	0.0			2.0	0.0	1	20	SPARE		38	
-	SPARE	20	1	0.0	0.0	0.0	0.0			1	20	SPARE		40	
-	SPARE	20	1			0.0	0.0	0.0	0.0	1	20	SPARE		42	
	RCPT: MONITOR WRK RM 118	20	1	0.2	0.2					1	20	RCPT: MONITOR WF	RK RM 118	44	
45	RCPT: WAITING 103/LOBBY 102	20	1			0.4	1.2			1	20	RCPT: ATM		46	
-	RCPT: ATM	20	1					1.2	1.4	1	20	PWR: DOORS		48	
49	PWR: DOORS	20	1	0.7	3.7									50	Сс
51						3.2	3.7			3	45	RTU-1			ol
i 53	RTU-2	30	3					3.2	3.7					54	ng
55				3.2	2.7									56	Сс
e 57		20	2			0.6	2.7			3	30	RTU-3			ol
59								0.6	2.7					60	ng
. 61		20	1	1.0	0.8					2	20	EWH-1			Co
63		20	1			1.0	0.8	0.0	4.0					64	
	RCPT/LGT: ROOFTOP	20	1	0.5	0.5			0.6	1.0	1	20	PWR: SHUTTERS		66	<u> </u>
67		20 20	1	0.5	0.5	0.5	0.2			1	20	RCPT: LIGHT BOX		68 70	
. 69 . 71		20	1			0.5	0.2	0.3	0.6		20	RORT: RECIRCULAT LGT: SITE		72	~
-	SPARE	20	1	0.0	0.0			0.5		مر م		SPARE-	mm		Ē
	SPARE	20	1	0.0	0.0	0.0	0.0			1	20	SPARE		76	
77			1							1		SPACE		78	
79	SPACE		1							1		SPACE		80	
81	SPACE		1							1		SPACE		82	
83	SPACE		1							1		SPACE		84	
	TOTAL		• •		kVA	21.4			kVA						
			• •		6 A		9 A	-	6 A						
			I NECT I 0768 V		DEMA	ND FA			. DEM 0768 V			PANEL TO	JIALS		
oolin /AC	-		500 VA			00.009			500 VA		то	TAL CONN. LOAD: 6	Ω504 \/Δ		
eatin			200 V/			00.009			1200 VA			AL EST. DEMAND: 6			
ghtir			276 V			25.00%			5345 VA			TOTAL CONN.: 1			
ower	-		5860 V			25.00%			9825 V		тот	AL EST. DEMAND: 1			
ecep	tacle	1	6900 V	A	-	79.59%	Ď	1	3450 V	Ά					_

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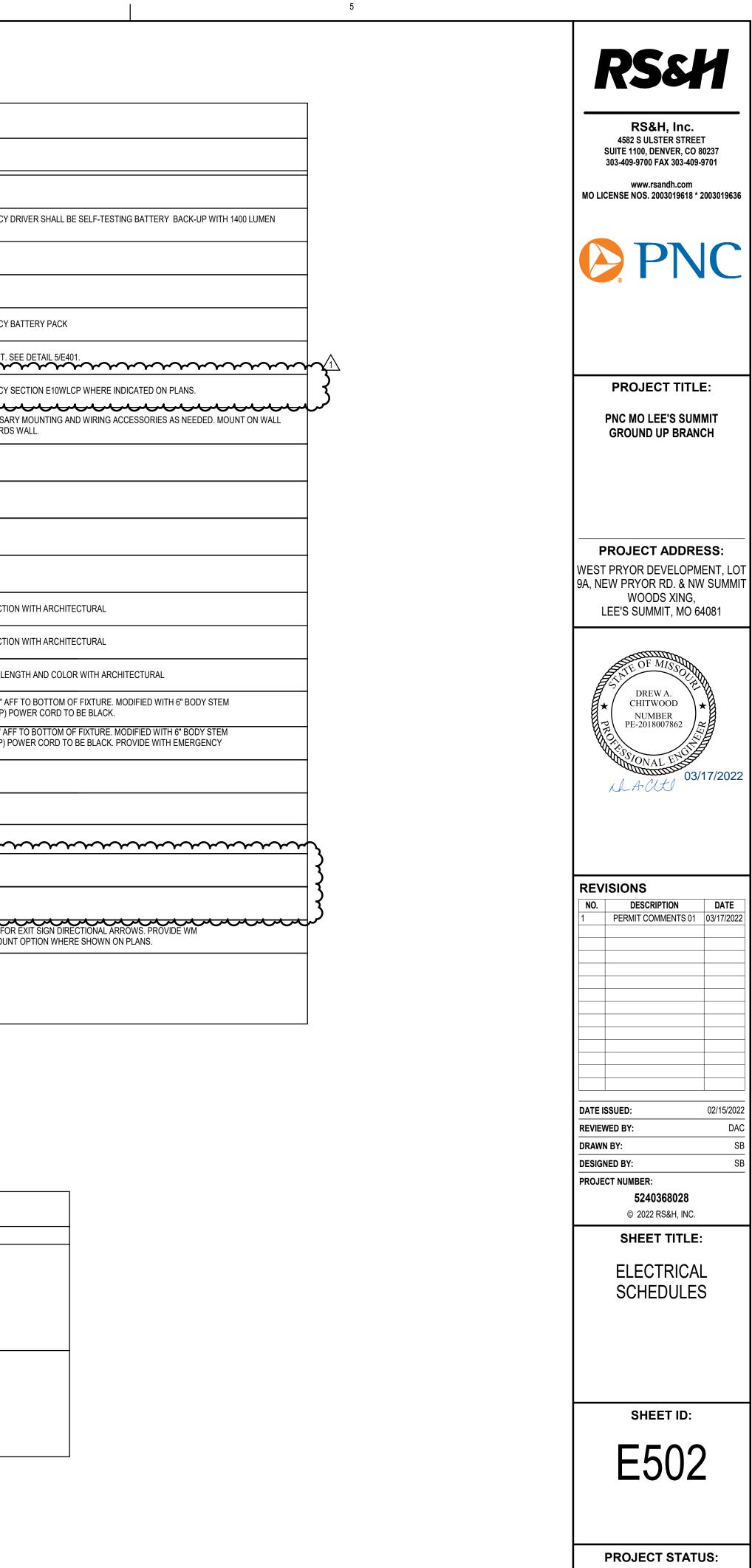
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		NUMBERS GIVEN ARE FOR ENCE, FIXTURES SHALL MATCH	L	_IGHT	ING	FIXTURE	SCHEDULE		
	TYPE	DESCRIPTION	MOUNTING	LAMF	S		APPROVED	1	REMARKS
				TYPE	WATTS	MANUFACTURER	CATALOG NUMBER	VOLTAGE	
	В	2' X 2' RECESSED ARCHITECTURAL LED TROFFER, 3300 LUMENS, 3500K	RECESS	LED	27	CREE	CR22-20L35K-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 EME OUTPUT
	D1	6" ROUND OPEN ARCHITECTURAL LED DOWNLIGHT, CLEAR REFLECTOR, MEDIUM DISTRIBUTION, SEMI-SPECUL/ FINISH, 1000 LUMENS, 3500 K	AR RECESS	LED	18	CREE	KR6-20L-35K-120V-10V/KR6T-FF	120	
	Н	4' LENSED LED SUSPENDED LED FIXTURE 3000 LUMENS, SNAP ON FROSTED DIFFUSER, 3500K	SUSPENDED	LED	25.0	CREE	4SNLED-LDS-305L-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 EMERGENC BATTERY BACK-UP	SUSPENDED	LED	25.0	CREE	4SNLED-LDS-305L-UNV-L835-CDU-1 (LENS) SNLED-LENS-LW-4FT-U	120	PROVIDE EM
~			SURFACE			C-LITE	C-VT-A-SMCL-9L-40K-GR		
•	L1	LINEAR FLUSH MOUNTED 3500K	RECESS	LED	4/FT	MARK	SL2L-LOP-'X'-FLP-WFL-80CRI-35K-400LMF-MIN1-120-ZT	120	PROVIDE EME
い	L2	LINEAR SURFACE MOUNTED LED, 3500K	WALL/ SURFACE	LED	17	TROV	L50-E-48"-04-40-80-MULT-LOL	120	PROVIDE ALL DIRECT BEAM
	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, ELV/TRIAC DIMMABLE	PENDANT	LED	32	TECH LIGHTING	700BOD-48-xx-LED930	120	COORDINAT
	P2	30" LED PENDANT, 3000K, ELV/TRIAC DIMMABLE	PENDANT	LED	32	TECH LIGHTING	700BOD-30-xx-LED930	120	COORDINAT
	P3	24" LED PENDANT, 3000K, ELV/TRAIC DIMMABLE	PENDANT	LED	16	TECH LIGHTING	700BOD-24-XX-LED930	120	COORDINAT
	P4	4" LED PENDANT, 3000K, 0-10V DIMMING	PENDANT	LED	10	OCL	AS1-P1FC-04-WF-BKP-LED1-35K-UNV-48-DM1-MOD	120	HANG FIXTU PAINTED BL
	P4E	4" LED PENDANT, 3000K, 0-10V DIMMING WITH EMERGENCY BATTERY BACK-UP.	PENDANT	LED	10	OCL	AS1-P1FC-04-WF-BKP-LED1-35K-UNV-48-DM1-MOD	120	HANG FIXTU PAINTED BLA BATTERY BA
	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 SCONCE, EXTERIOR, 3500K, 80 CR	WALL MOUNT	LED	15	C-LITE	C-WP-A-FCA-03-40K-DB	120	MOUNT 9' AF
\mathbf{r}	ᠬᢪᠬ		SUBEACE	ᡝᢇᡶᢩᢄ᠐		BEGA			
	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, ABOVE FINISHED GRADE	23 FT POLE	LED	258	MCGRAW-EDISON	FIXTURE: GLEON-SA2C-740-U-SL4-BZ POLE: SSA4M20WCN2GV	MVOLT	
ہر	хл Х1	EXIT SIGN, NUMBER OF SIDES AND DIRECTIONAL AREAS AS INDICATED ON PLANS	RECESS	LED	5.0	ACUITY	EDGR 1 G EL SD	120	SEE LIGHTIN RECESSED \

				FLO	OR BOX SCHEDUL	.E	
TYPE	MANUFACTURER	MODEL NUMBER	COVER	POWER DEVICES	A/V DEVICES	TELE/DATA 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 	TELE/DATA JACKS SHALL UTILIZE ONE LOW VOLTAGE OPENING IN TH EEFB8-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.
В	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	TELE/DATA JACKS SHALL UTILIZE ONE LOW VOLTAGE OPENING IN TH EEFB8-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.

	3	4



	NLACIE 03/1	17/2022
EV 10.	ISIONS DESCRIPTION PERMIT COMMENTS 01	DATE 03/17/2022
VIEV AWN SIGN	SSUED: VED BY: N BY: NED BY: CT NUMBER: 5240368028 © 2022 RS&H, INC. SHEET TITLE: ELECTRICAL SCHEDULES	_
	sheet id: E502)
	PROJECT STATU PERMIT DOCUMENT	

Project	Information								Project Inf	orm
nergy Coo roject Titl	de:	2018 IECC PNC Lee's Sumr	nit						Energy Code:	511
roject Titl roject Typ		New Construction							Project Title: Project Type: Exterior Lightir	10 70
Constructio	on Site:	Owner/Agent:		c	Designer/0	Contractor:				-
Additio	nal Efficiency Packag	ge(s)							Construction S	
Credits: 1	0 Required 0.0 Proposed								Allowed Ex	
	A Area Ca	A		B Floor A	rea	C Allowed	- A	D llowed		rea/
-Retail				(ft2) 260		Watts / ft 1.06		Vatts 2756	Entry (Parking Roof (Emerger North Exterior	ncy s
_		_			Total	Allowed Wat		2756	West Exterior South East Wa	Wall
-	ed Interior Lighting F ure ID : Description / L	Α	Per Lamp	/ Ballast	B Lamps/	C #of	D Fixture	E (C X D)		
-Retail		camp , traccage .				Fixture			(a) Wattage (b) A supple	
LED: B/B	BE: 2X2 LED: Other: HE: 4' LED: Other:				1	40 3	27 18	1080 54	areas/su Proposed I	rface
LED: L4-	: LINEAR LED: Other: -6: 6' LINEAR LED: Other:				1 1	2	12 18	24 36	Fixture	
LED: P1:	-14: 14' LINEAR LED: Other: : 48" LED PENDANT: Other: : 36" LED PENDANT: Other:				1	2	36 32 32	36 64 64	Entry (Parkin	a ne
LED: P3: LED: P4/	: 24" LED PENDANT: Other: /P4E: 4" LED PENDANT: Othe	er:			1	2 24	16 10	32 240	LED: L1: LIN Roof (Emerge	EAR
	: LED UC LIGHT: Other:				To	5 ital Proposed	10 i Watts =	50 1680	LED: Other: North Exterio	er Wa
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Statem Complianc		d interior lighting des							LED: Other: South East W LED: L2: LIN	
designed t	ons, and other calculations s to meet the 2018 IECC requir y requirements listed in the I	irements in COMchee	ck Version 0	COMcheckWeb and	d to comp	of lighting sy bly with any a	applicable	e veen	LEUT LET LIN	-rsK
Name - Tit	tle	Sign	ature			Date				
Project Titl						n n	vepore dat	e: 01/20/22	Project Title:	PNO
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COMcheck Software Version COMcheckWeb Exterior Lighting Compliance Certificate

2018 IECC PNC Lee's Summit

2

New Construction 2 (Light industrial area with limited nighttime use (LZ2))

tion Site:	Owner/Agent:		Designer/	Contractor:	
d Exterior Lighti A	ng Power	в	c	D	E
Area/Surface Ca	itegory	Quantity	Allowed Watts /	Tradable Wattage	Allowed Watts (B X C)
arking near 24-hour reta	il entrance)	1 main	400	No	400
nergency services, loadi	ng area)	2600 ft2	0.35	No	910
terior Wall (Illuminated	area of facade wall or surface)	1158 ft2	0.07	No	87
erior Wall (Illuminated a	area of facade wall or surface)	829 ft2	0.07	No	62
st Wall (Illuminated are	a of facade wall or surface)	410 ft2	0.07	No	31
			Total Tradable	e Watts (a) =	0

Total Allowed Watts = 1490 Total Allowed Supplemental Watts (b) = 400 age tradeoffs are only allowed between tradable areas/surfaces.

plemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable

ed Exterior Lighting Power A ture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D)
arking near 24-hour retail entrance. 1 main entrys): Non-tradable V I: LINEAR LED: Other:	Vattage 1	1	440	440
nergency services, loading area, 2600 ft2); Non-tradable Wattage ther:	1	3	14	42
terior Wall (Illuminated area of facade wall or surface. 1158 ft2): N ther:	ion-tradable 1	Wattage 2	15	30
terior Wall (Illuminated area of facade wall or surface. 829 ft2): Nor ther:	n-tradable V 1	<u>Vattage</u> 2	15	30
est Wall (Illuminated area of facade wall or surface, 410 ft2); Non-tr ?: LINEAR LED: Other:	radable Wat 1	tage 10	17	170
	Total Tradab	le Propose	d Watts =	0

PNC Lee's Summit

2

Report date: 01/20/22 Page 2 of 7

Rough-In Electrical Inspection Complies? Comments/Assumptions .2. Spaces required to have light-Requirement will be met. Complies reduction controls have a manual Does Not control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination a reasonably uniform illumination pattern >= 50 percent. Complies Does Not Occupancy sensors installed in Requirement will be met. classrooms/lecture/training rooms, conference/meeting/multipurpose Not Observable rooms, copy/print rooms, lounges/breakrooms, enclosed offices, Not Applicable 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. 1. Occupancy sensors control function in Complies warehouses: In warehouses, the Does Not Exception: Requirement does not apply. lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. 2.1. Occupant sensor control function in open plan office areas: Occupant Does Not Exception: Requirement does not apply. sensor controls in open office spaces configured so that general lighting can Not Applicable be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected. 2. Each area not served by occupancy 2. sensors (per C405.2.1) have time-Does Not Requirement will be met. sensors (per C405.2.1) have table switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.
 Not Observable Not Applicable

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

Project Title: PNC Lee's Summit Data filename:

Section

& Req.ID

Complies? # Rough-In Electrical Inspection Comme C405.2.3, Daylight zones provided with C405.2.3. Individual controls that control the Exception: Requirement d Complies Does Not lights independent of general area Not Observable C405.2.3. lighting. See code section C405.2.3 Not Applicable Daylight-responsive controls for [EL23]² applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone. C405.2.4 Separate lighting control devices for [EL26]¹ Specific uses installed per approved Does Not Requirement will be met. lighting plans. Not Observable Not Applicable C405.2.4 Additional interior lighting power [EL27]¹ allowed for special functions per the Complies Requirement will be met. Does Not approved lighting plans and is Not Observable automatically controlled and Not Applicable separated from general lighting. Complies C405.2.5 Manual controls required by the Requirement will be met. [EL28]^{null} energy code are in a location with Does Not ready access to occupants and located where the controlled lights are Not Observable visible, or identify the area served and Not Applicable their status. C405.2.6 Automatic lighting controls for exterior Complies Requirement will be met. [EL30]^{null} lighting installed. Controls will be Does Not

Not Observable

Not Observable

Requirement will be met.

Not Applicable

Additional Comments/Assumptions:

daylight controlled, set based on

business operation time-of-day, or

reduce connected lighting > 30%.

C405.3 Exit signs do not exceed 5 watts per Complies [EL6]¹ face.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) t Title: PNC Lee's Summit Report date: 01/20/22

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3

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: PNC Lee's Summit Data filename:

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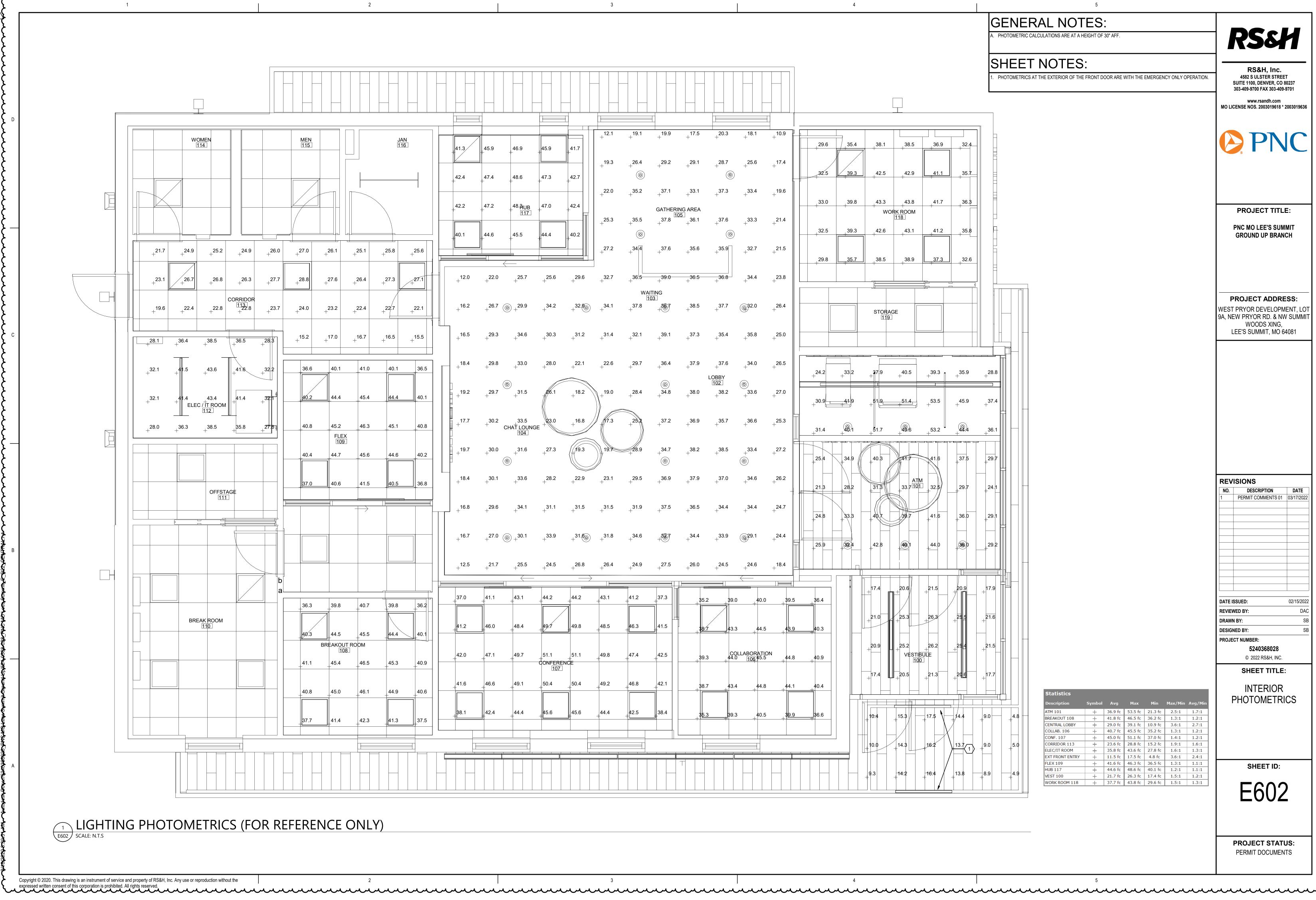
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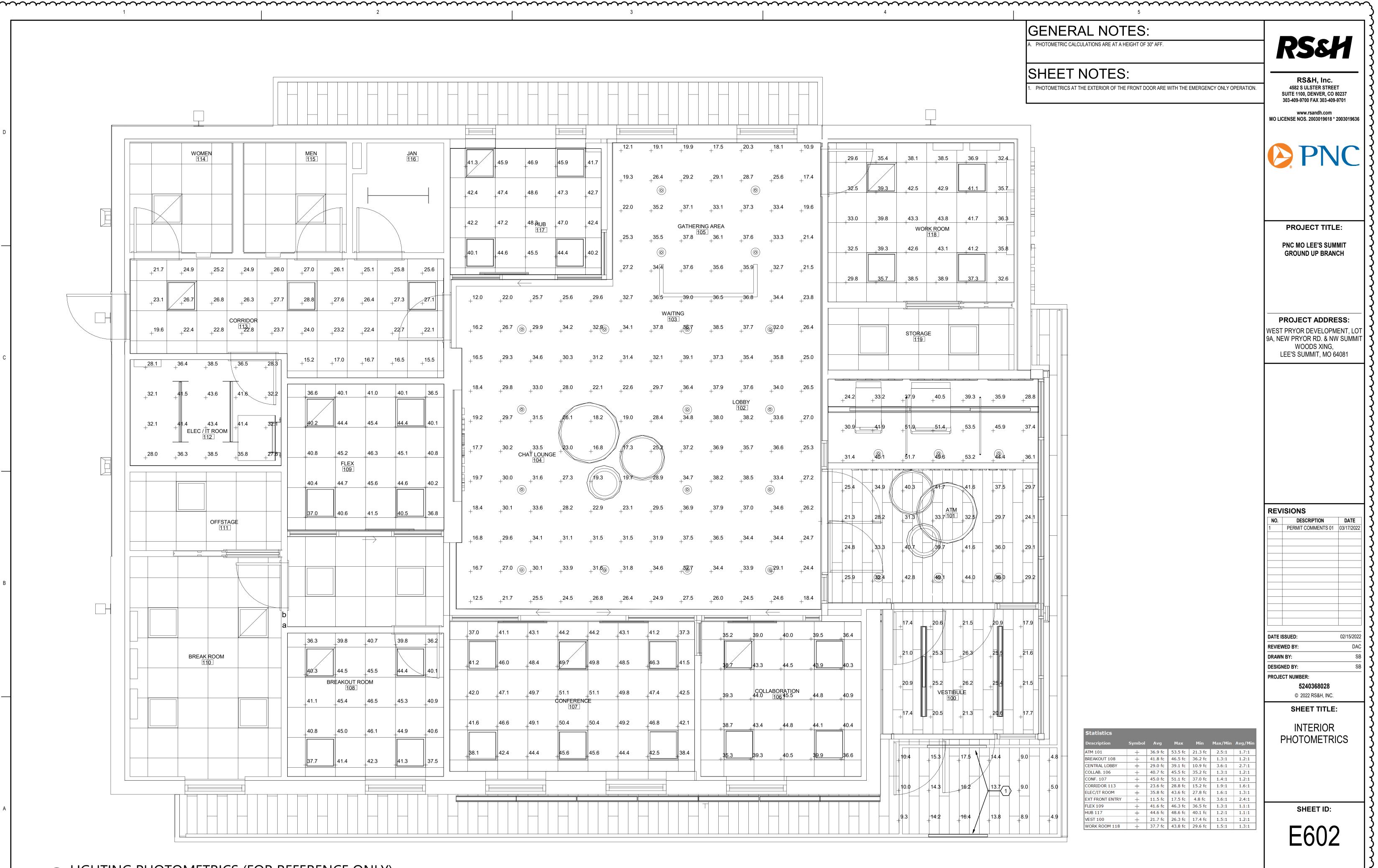
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loes not apply.

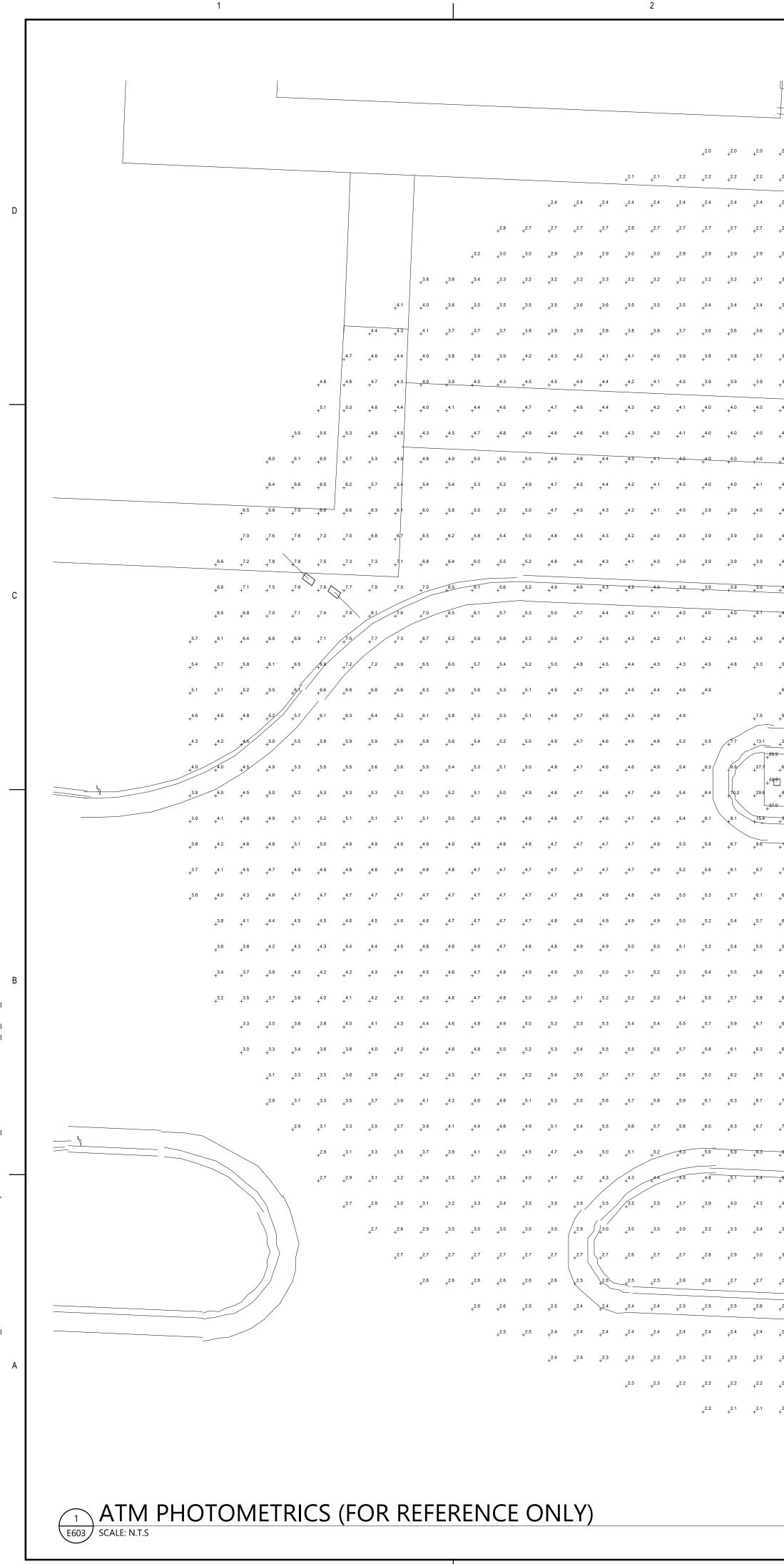
Report date: 01/20/22 Page 6 of 7



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+42.4	47.4	48.6	47.3	42.7	+22.0	() + ^{35.2}	37.1	+ ^{33.1}	() + ^{37.3}	+ ^{33.4}	+ ^{19.6}				
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+37.0	+41.1	+43.1	44.2	+44.2	43.1	41.2	37.3	35.2	39.0	40.0	39.5	5 _36.4		17.4	20.6
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PROJECT STATUS: PERMIT DOCUMENTS



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+ ^{4.0}	+ ^{4.1}	+4.2	+ ^{4.3}	+ ^{4.5}	+4.7	+4.8	+4.9	+ ^{5.0}	+ ^{5.2}	+ ^{5.5}	+ ^{5.9}	+6.5	+ ^{7.0}	+ ^{7.4}	+ ^{7.8}	+8.2	+ ^{7.9}	+ ^{7.4}	+ ^{6.9}	+ ^{6.3}	+ ^{5.7}	+ ^{5.1}	+4.7	+ ^{4.4}			Γ		
+ ^{4.0}		+4.2	+4.3	+4.4	+4.5			+4.7	+4.9			+6.2	+ ^{6.8}	+7.2	+ ^{7.5}	₽ \	+ ^{7.5}	+ ^{7.1}	+ ^{6.7}	+ ^{6.0}	+ ^{5.4}	+ ^{4.8}	+ ^{4.4}	+4.1					
+ ^{4.0} +	+ ^{4.2} + ^{4.4}	4.3 + 4.6	4.4	4.5	4.9 +4.9	+4.6	+ ^{4.5}	+ ^{4.6}		+ ^{5.2} + ^{5.6}	+ ^{5.7}	+6.3	+ ^{6.8}	+ ^{7.2} + ^{7.5}	+ ^{7.5}	8.2 8.2	+ ^{7.5}		+ ^{6.7}	+6.0	+5.4	+ ^{4.8}	+4.4	+4.0	4.2				
+ ^{4.9}	+ ^{5.2}	+ ^{5.4}	+ ^{5.5}	+ ^{5.5}	+ ^{5.5}	+ ^{5.5}	+ ^{5.5}	+ ^{5.6}	+ ^{5.7}	+ ^{6.0}	+6.4	+ ^{6.8}	+ ^{7.3}	+7.7	+8.2	+8.5	+ ^{8.1}	+ ^{7.5}	+ ^{7.1}	+6.5	+6.0	+5.5	-5.1 +	+4.8	4.6 +				
+ ^{5.8}	+6.1	+ ^{6.3}	+ ^{6.4}	+6.3	+ ^{6.2}	+ ^{6.0}	+ ^{5.9}	+ ^{5.8}	+ ^{5.9}	+ ^{6.1}	+ ^{6.4}	+ ^{6.8}	+ ^{7.2}	+ ^{7.5}	+ ^{7.8}	+ ^{8.0}	+ ^{7.7}	+ ^{7.4}	+ ^{7.0}	+ ^{6.5}	+ ^{6.0}	+ ^{5.6}	+ ^{5.2}	+ ^{5.0}	+ ^{4.8}				
+ ^{6.6}	+ ^{7.1}	+7.6	+7.7	+ ^{7.5}	+ ^{7.0}	+6.5	+6.2	+6.0	+ ^{5.9}	+6.0	+6.3	+6.6	+6.9	+ ^{7.1}	+ ^{7.2}	+7.2	+7.2	+ ^{7.0}	+ ^{6.7}	+6.2	+ ^{5.8}	+ ^{5.4}	+ ^{5.2}	+ ^{5.0}	+4.8	+4.6			
	15.8 1	+ ^{13.0} 19.7 + + ^{39.3}	23.3	+ ^{11.7} + ^{29.9}	+ ^{12.4}	+ ^{7.0} + ^{7.5}	+ ^{6.3} + ^{6.4}	+ ^{6.0} + ^{5.9}	+ ^{5.8} + ^{5.7}	+ ^{5.7} + ^{5.7}	+ 5.9	+0.4	+6.3	+6.3	+6.2	+6.1	+ ^{6.1}	+ ^{6.1}	+ ^{5.9}	+ ^{6.0} + ^{5.7}		+ ^{5.2} + ^{5.0}	+4.7	+4.5	+4.4	+4.2			
+68.6	51.2 + 6 + 94.3 10 8.1 1	103.2 120.0	74.5 +6 	54.7 48.4 52.9	- 1 (1	+ ^{7.8} ГҮР.)	+6.4	+ ^{5.9}	+ ^{5.6}	+ ^{5.6}	+5.7	+	+6.0	+6.0	5.9	+ ^{5.8}	+5.8	+5.7	5.6 +	+5.3	5.1	+4.8	+4.5	+4.3	+4.1	4.0			
+ 81.6		+107.9			+ ^{11.6}		+ ^{6.2}	+ ^{5.8}	+ ^{5.5}	+ ^{5.4}	+ ^{5.5}	+ ^{5.6}	+ ^{5.7}	+ ^{5.7}	+ ^{5.6}	+ ^{5.5}	+ ^{5.5}	+ ^{5.4}	+ ^{5.3}	+ ^{5.0}	+ ^{4.8}	+ ^{4.6}	+4.3	+4.1	+3.9	+ ^{3.7}			
+	+ ^{45.8} 22.0 + ² + ^{14.0}	24.9 +	21.9	+14.5	+8.5					+ ^{5.3}	+ ^{5.3}	+5.4	+ ^{5.4}	+ ^{5.4}	+ ^{5.4}	+5.3	+ ^{5.2}	+ ^{5.1}	+5.0	+4.7	+4.5	+4.3	+ ^{4.1}	+ ^{3.9}	+ ^{3.7}	+ ^{3.5}			
+ + ^{7.4}	+ ^{7.9}	+ ^{7.9}	+7.6	+ ^{7.0}	+6.5	+6.0	+5.6	+ 5.3	+ ^{5.1}	+ + 5.1	+ +5.1	+ 5.1	+ +5.1	+ + 5.0	+ +4.9	+4.8	+4.7	+4.6	+4.4	+4.3	+4.1	+3.9	+ 3.7		+3.4	+ 3.2			
+6.5	+ ^{6.7}	+ ^{6.8}	+ ^{6.7}	+ ^{6.4}	+ ^{6.0}	+ ^{5.7}	+ ^{5.4}	+ ^{5.2}	+ ^{5.1}	+ ^{5.1}	+ ^{5.0}	+ ^{5.0}	+4.9	+4.9	+4.8	+4.6	+4.5	+ ^{4.4}	+4.2	+ ^{4.1}	+ ^{3.9}	+ ^{3.7}	+ ^{3.5}	+ ^{3.4}	+ ^{3.2}				
+ ^{6.0}	+6.2	+6.2	+ ^{6.1}	+ ^{5.9}	+ ^{5.7}	+ ^{5.5}	+ ^{5.3}	+ ^{5.2}	+ ^{5.1}	+ ^{5.1}	+ ^{5.0}	+4.9	+4.9	+4.8	+4.6	+4.5	+4.4	+4.2	+4.1	+ ^{3.9}	+ ^{3.7}	+ ^{3.6}	+ ^{3.4}	+ ^{3.2}	+ ^{3.0}				
+ ^{5.7} + ^{5.8}	+ ^{5.8}	+ ^{5.8}	+ ^{5.8} + ^{5.8}	+ ^{5.7} + ^{5.8}	+ ^{5.6} + ^{5.8}	+ ^{5.5} + ^{5.7}	+ ^{5.4} + ^{5.5}	+ ^{5.3}	+ ^{5.2} + ^{5.3}	+ ^{5.1} + ^{5.2}	+ ^{5.0} + ^{5.0}	+ ^{4.9} + ^{4.9}	+ ^{4.8} + ^{4.8}	+ ^{4.7} + ^{4.7}	+ ^{4.6} + ^{4.6}	+ ^{4.4} + ^{4.4}	+ ^{4.3} + ^{4.2}	+ ^{4.1} + ^{4.0}	+ ^{4.0} + ^{3.8}	+ ^{3.8} + ^{3.6}	+ ^{3.6} + ^{3.4}	+ ^{3.4} + ^{3.2}	+ ^{3.2} + ^{3.1}	+ ^{3.0} + ^{2.9}	+ ^{2.8}				
+ ^{6.0}	+ ^{6.0}	+ ^{5.9}	+ ^{5.9}	+ ^{6.0}	+ ^{6.0}	+5.9	+ ^{5.7}	+ ^{5.5}	+ ^{5.4}	+ ^{5.2}	+ ^{5.1}	+5.0	+4.9	+4.7	+4.6	+4.4	+4.2	+4.0	+ ^{3.8}	+ ^{3.5}	+ ^{3.3}	+ ^{3.1}	+ ^{2.9}	+2.7					
+ ^{6.2}	+ ^{6.2}	+ ^{6.1}	+ ^{6.1}	+ ^{6.2}	+ ^{6.2}	+ ^{6.1}	+ ^{5.9}	+ ^{5.6}	+ ^{5.4}	+ ^{5.3}	+ ^{5.2}	+ ^{5.1}	+ ^{5.0}	+ ^{4.8}	+4.6	+ ^{4.4}	+ ^{4.2}	+ ^{3.9}	+ ^{3.7}	+ ^{3.4}	+ ^{3.2}	+ ^{2.9}	+ ^{2.7}	+ ^{2.5}					
+ ^{6.5}	+ ^{6.5}	+ ^{6.4}	+ ^{6.4}	+ ^{6.5} +	+ ^{6.5}	+ ^{6.3} + ^{6.5}	+ ^{6.0} + ^{6.1}	+ ^{5.7}	+ ^{5.5}	+ ^{5.4} + ^{5.5}	+ ^{5.3} + ^{5.4}	+ ^{5.2} + ^{5.3}	+ ^{5.1} + ^{5.1}	+ ^{4.9} + ^{4.9}	+ ^{4.7} + ^{4.6}	+ ^{4.4} + ^{4.3}	+ ^{4.1} + ^{4.0}	+ ^{3.8} + ^{3.7}	+ ^{3.5}	+ ^{3.3} + ^{3.1}	+ ^{3.0}	+ ^{2.8}	+ ^{2.6}						
+ + 7.0	+ + 7.1	+	+++++	+	+ + 6.9	+ + 6.6 +	+ + 6.2	+ +5.9	+ + 5.7	+ + 5.5	+++	+ + 5.2	+ + 5.0	+ +4.7	+++++4.4	+++++4.1	+ + 3.8	+ + 3.5	+ + 3.2	+ +2.9	++++++2.7	++++++2.4	+						
+ ^{7.0}	+ ^{7.3}	+ ^{7.7}	+ ^{7.8}	+ ^{7.3}	+ ^{7.0}	+ ^{6.6}	+ ^{6.2}	+ ^{5.8}	+ ^{5.5}	+ ^{5.3}	+ ^{5.1}	+4.9	+4.7	+4.5	+4.1	+ ^{3.8}	+ ^{3.5}	+ ^{3.2}	+ ^{3.0}	+ ^{2.7}	+ ^{2.4}	+ ^{2.2}							
+6.7	+7.1	+7.5	+7.6	+7.1	+6.6			+ ^{5.3}	+ ^{4.9}	+4.7	+4.5	+4.4	+4.2	+ ^{3.9}	+ ^{3.7}	+ ^{3.4}	+ ^{3.2}	+ ^{2.9}	+ ^{2.7}	+ ^{2.4}	+ ^{2.2}								L
+	+6.0	+6.3	+4.7	+ ^{5.9}	+ ^{5.6}	<u>+</u> 4.1	+3.8	+4.4 +3.5	4.1 +		+ ^{3.7} + ^{2.9}	+ ^{3.6} + ^{2.8}	+ ^{3.5} + ^{2.8}	+ ^{3.3}	+ ^{3.2}	+ ^{3.0} + ^{2.6}	+ ^{2.8}	+ ^{2.5}	+ ^{2.3}	+ ^{2.1} + ^{1.9}									
+ ^{3.5}	+ ^{3.5}	+ ^{3.5}	+ ^{3.5}	+ ^{3.4}	+ ^{3.3}	+ ^{3.2}	+ ^{3.1}	+2.9	+2.7	+2:5	+25	+ ^{2.4}	+ ^{2.4}	+2.3	+2.2	+2.2	+2.1	+ ^{2.0}	+ ^{1.9}	·									
+ ^{3.0}	+ ^{3.1}	+ ^{3.1}	+ ^{3.0}	+ ^{3.0}	+ ^{2.9}	+ ^{2.8}	+2.7	+ ^{2.6}	+2.4	+2.3	> + ^{2.3}	+ ^{2.2}	+2.1	+2.1	+2.1	+ ^{2.0}	+ ^{1.9}												
+2.8	+2.8	+2.8	+2.8	+2.8	+2.7	+2.6	+2.5	+2.4	+2.3	+2.2	+2.2	+2.1	+2.0	+2.0	+2.0	+ ^{1.9}													
+ ^{2.6} + ^{2.4}	+ ^{2.6}	+ ^{2.6} 	+ ^{2.6}	+ ^{2.6} + ^{2.4}	+ ^{2.5} + ^{2.4}	+ ^{2.4}	+ ^{2.3} + ^{2.2}	+ ^{2.3} + ^{2.2}	2.2 + ^{2.1}		+2.1	+ ^{2.1}	+ ^{2.0}	+ ^{2.0}	+1.9														
					+2.2											-													
					+ ^{2.1}	+ ^{2.1}	+ ^{2.1}	+2.0	+2.0																				
+ ^{2.1}	+ ^{2.1}	+ ^{2.1}	+2.1	+ ^{2.0}	+2.0																								
		м																											

3

3

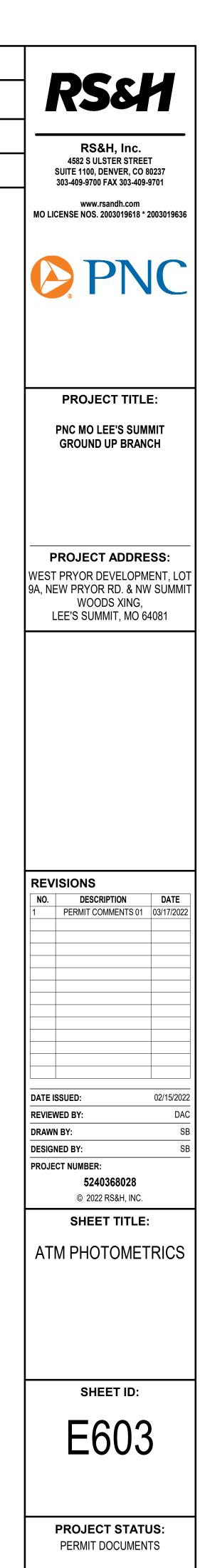
GENERAL NOTES: PHOTOMETRIC CALCULATIONS ARE AT GROUND LEVEL.

4

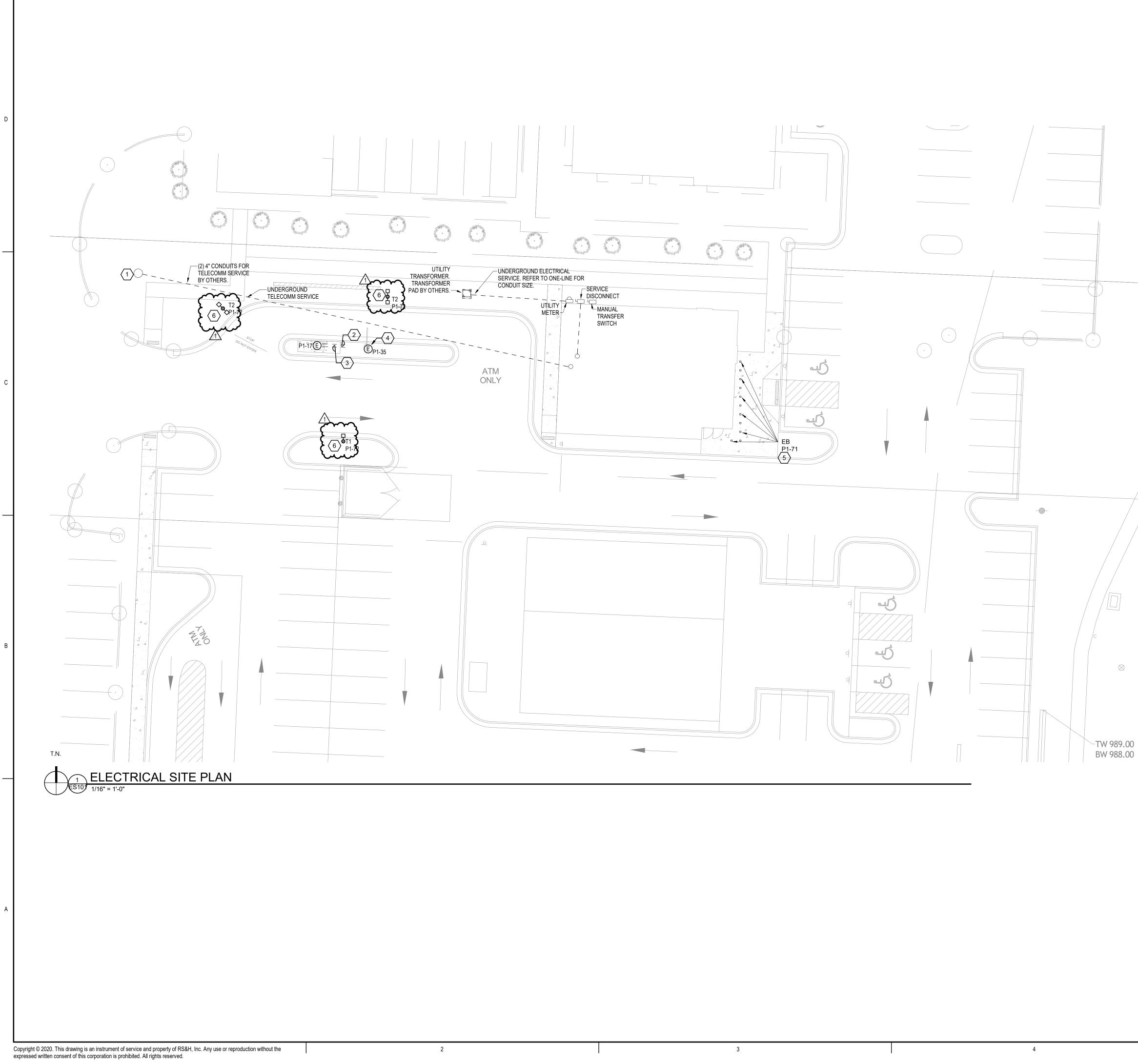
4

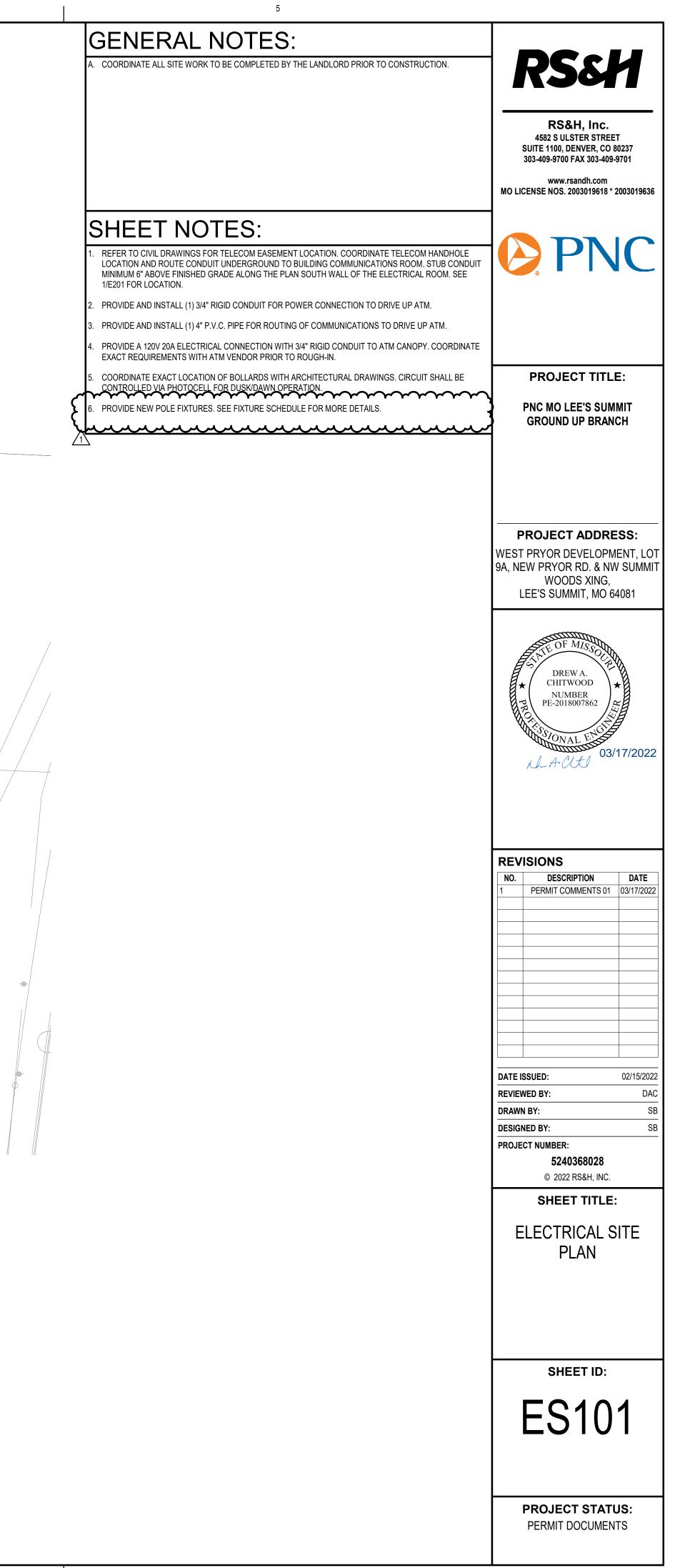
SHEET NOTES:

FIXTURES IN PREMANUFACTURERED CANOPY. 3000 LUMENS.



Symbol	Avg	Max	Min	Max/Min	Avg/Min
+	5.3 fc	111.5 fc	111.5 fc	1.9 fc	58.7:1
+	55.4 fc	120.0 fc	120.0 fc	15.8 fc	7.6:1
	+	+ 5.3 fc	+ 5.3 fc 111.5 fc	+ 5.3 fc 111.5 fc 111.5 fc	Symbol Avg Max Min Max/Min + 5.3 fc 111.5 fc 111.5 fc 1.9 fc + 55.4 fc 120.0 fc 120.0 fc 15.8 fc





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