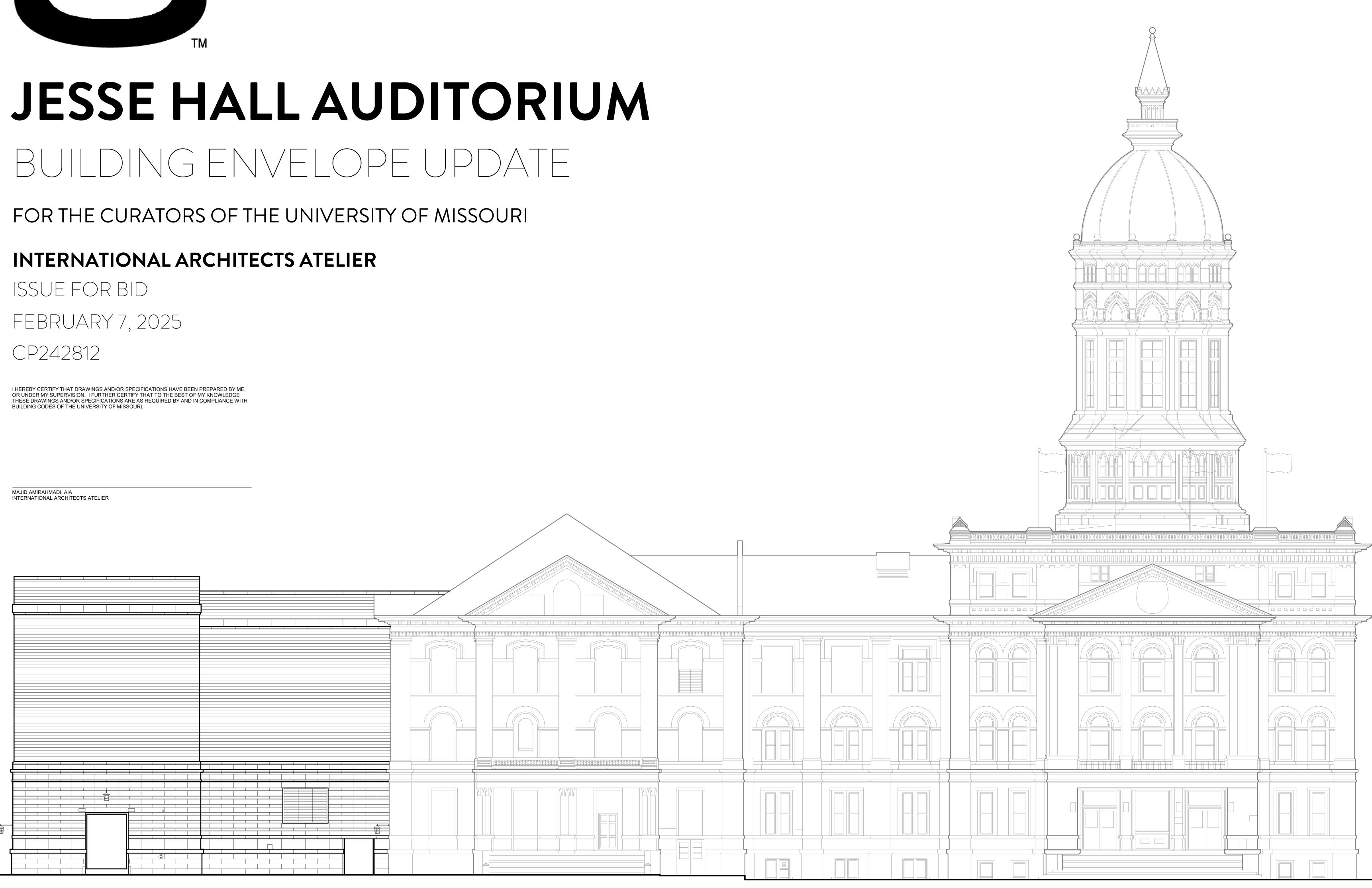
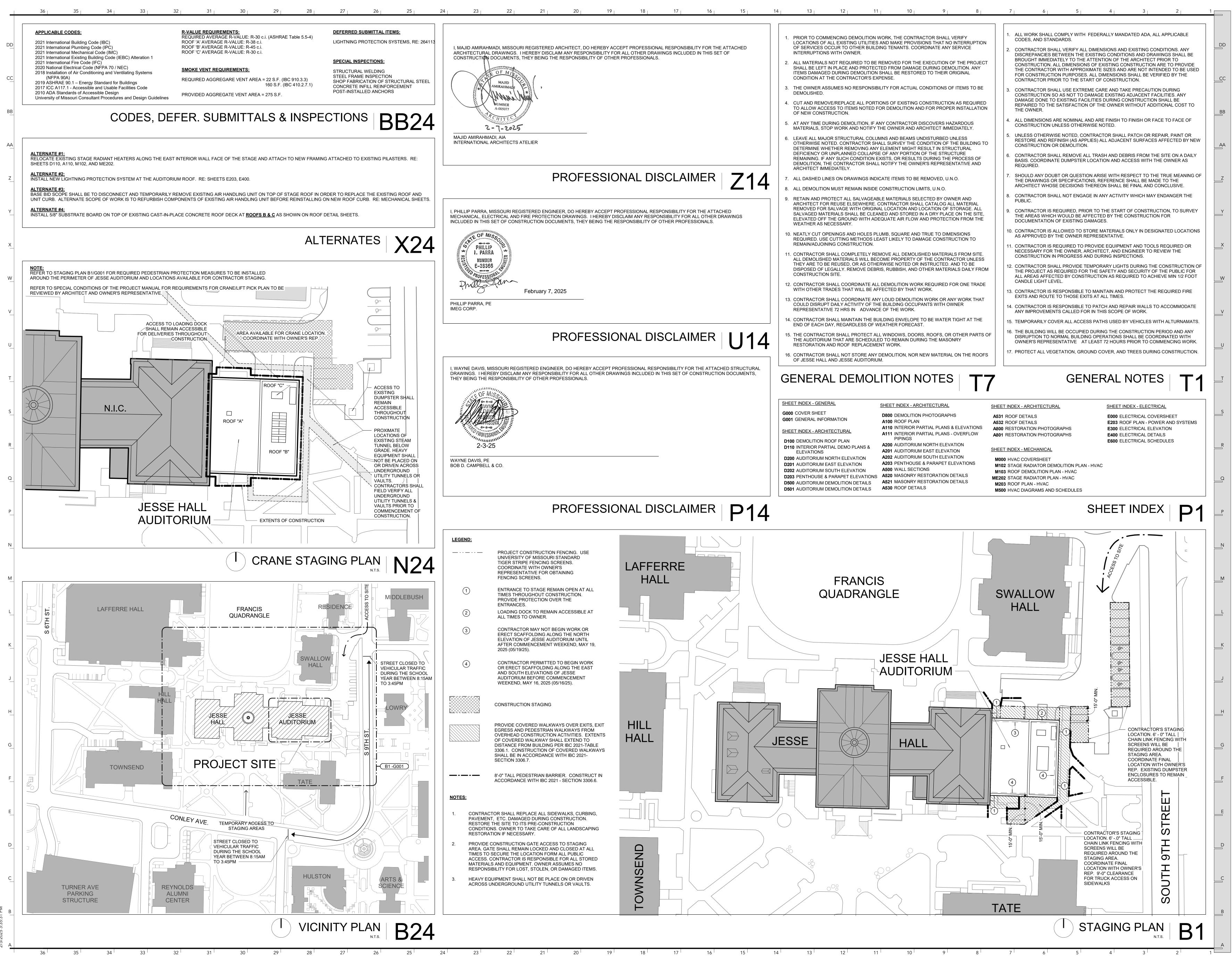


BUILDING ENVELOPE UPDATE







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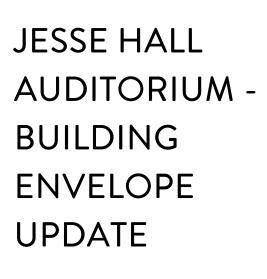
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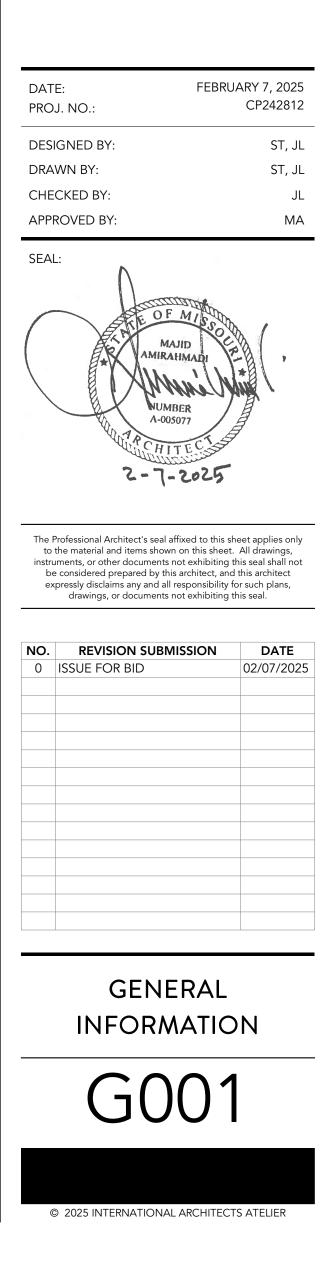
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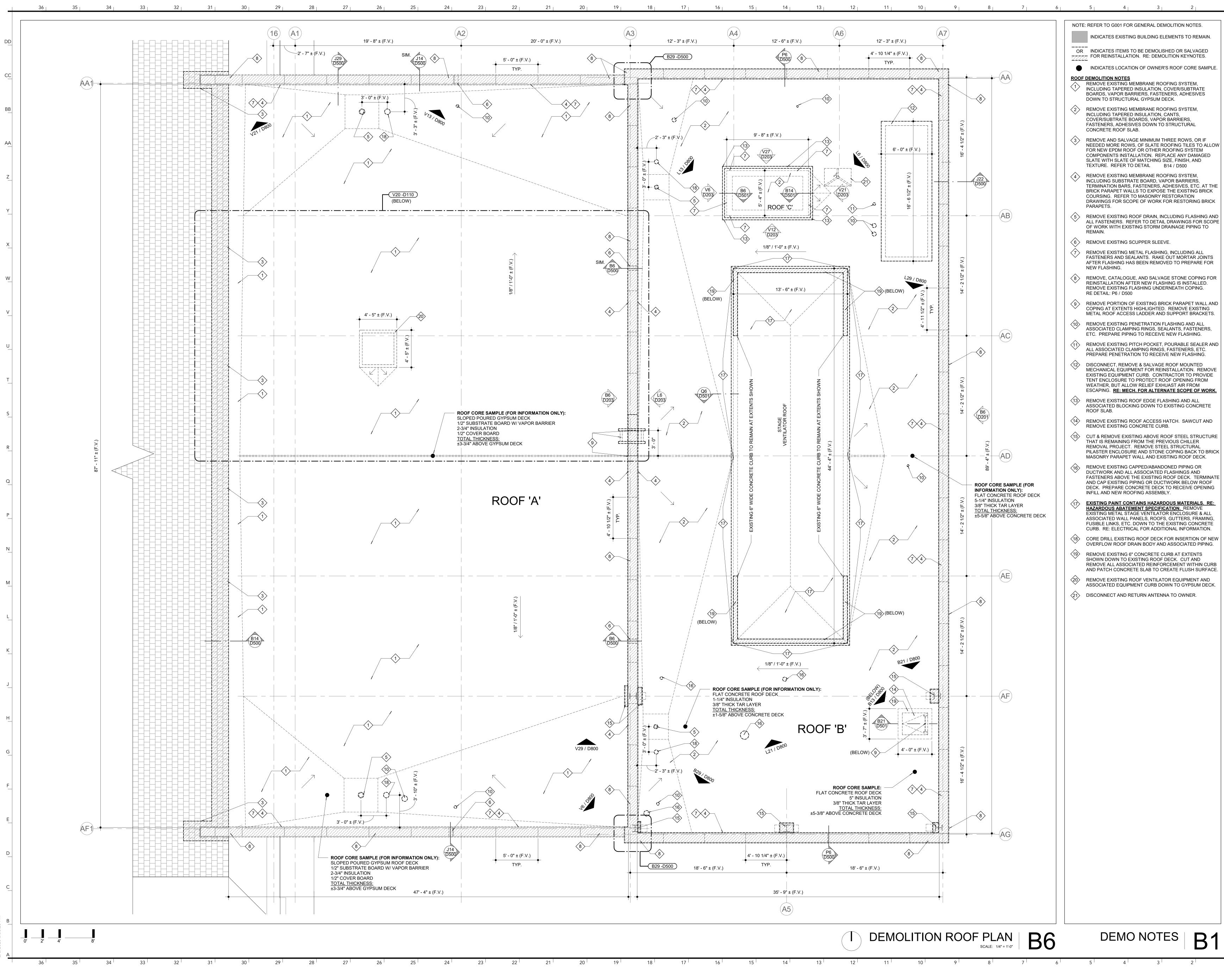


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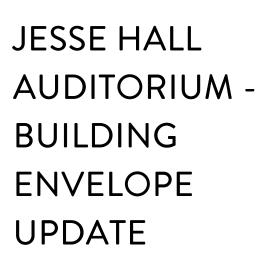
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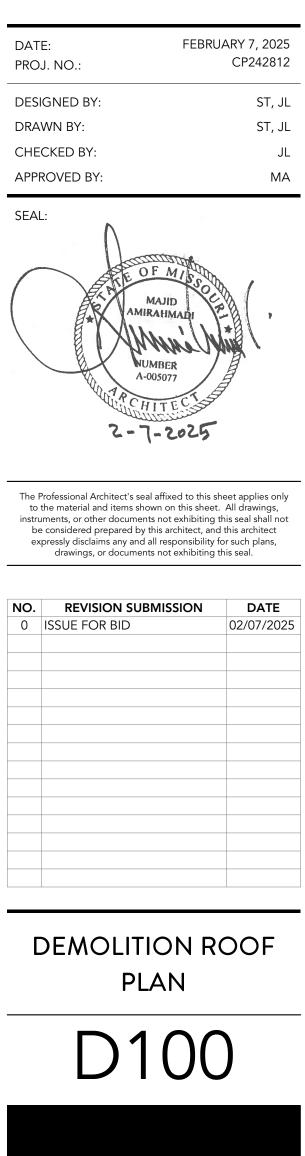
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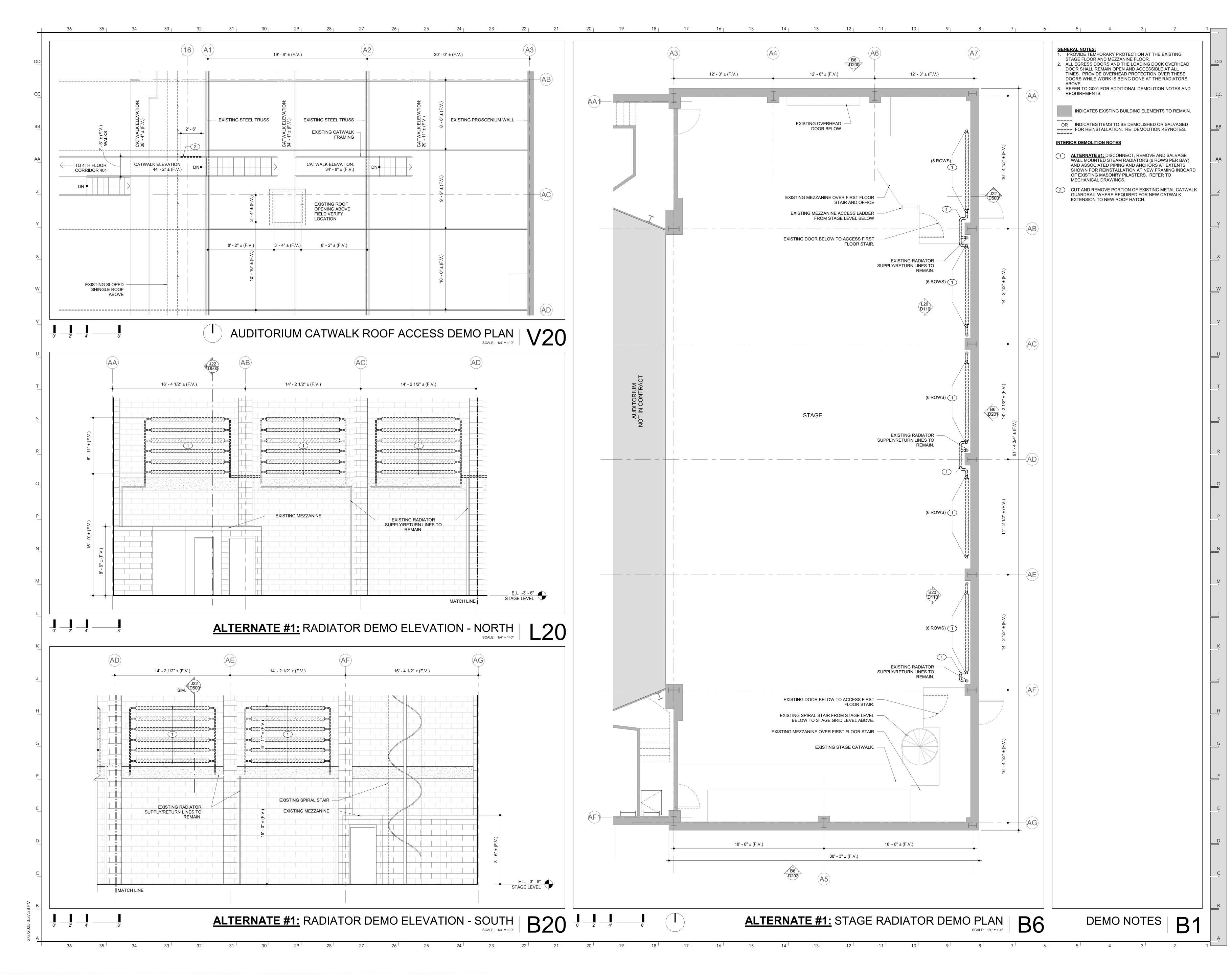


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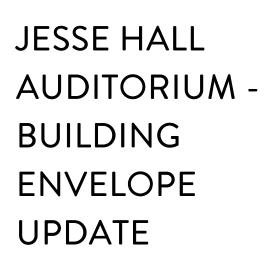
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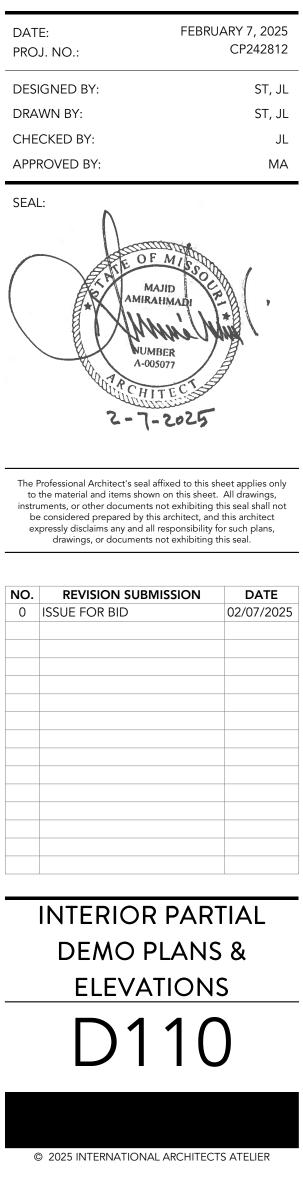
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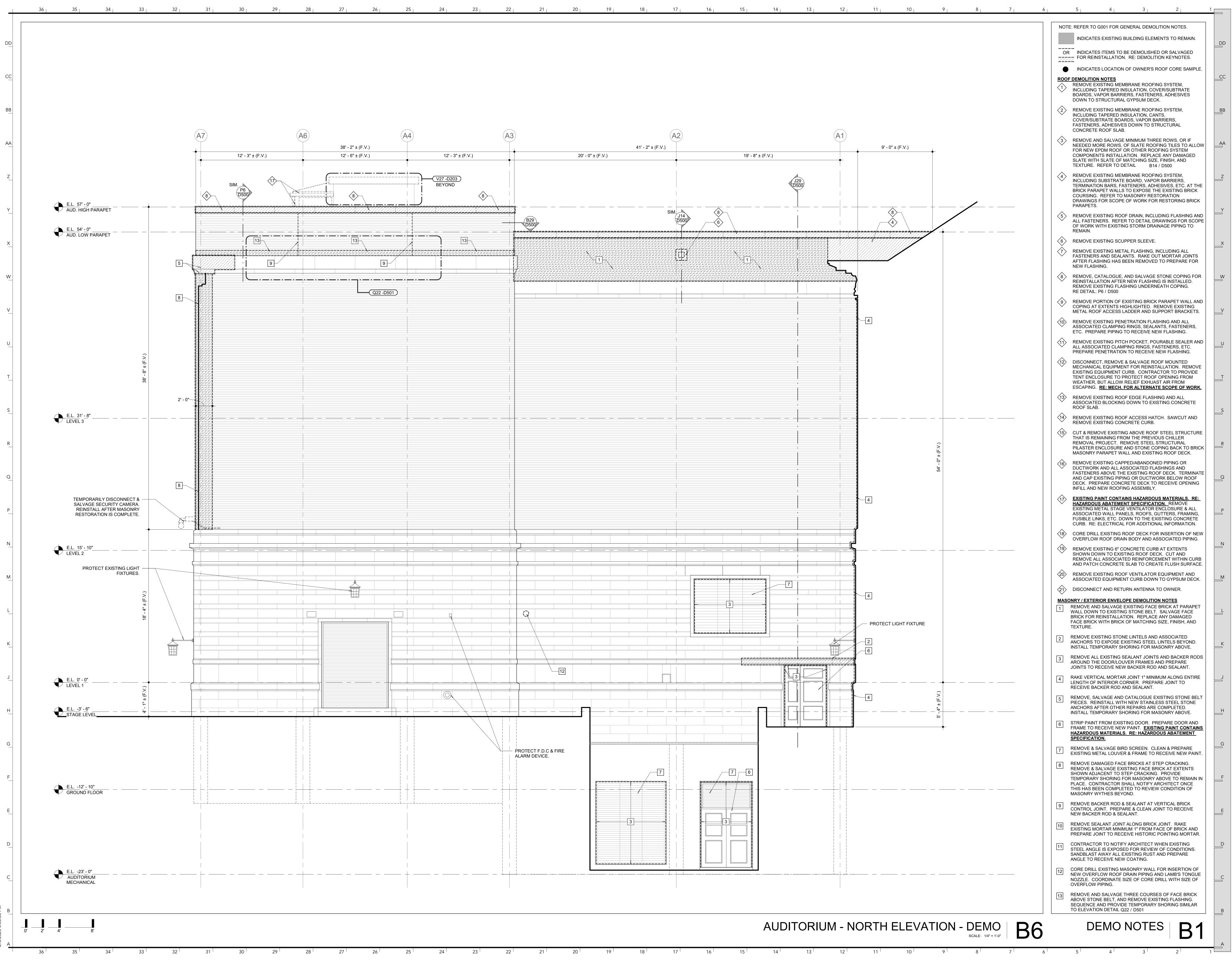


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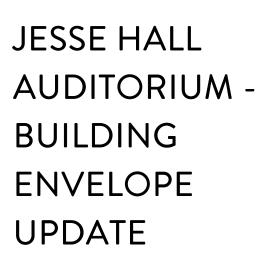
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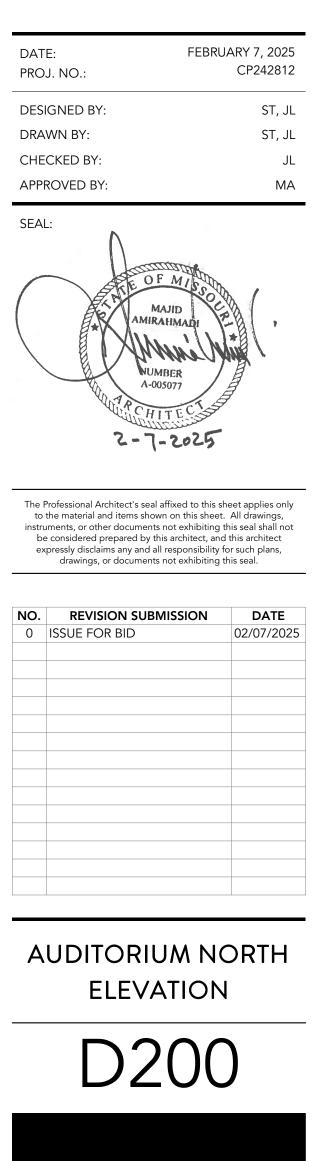
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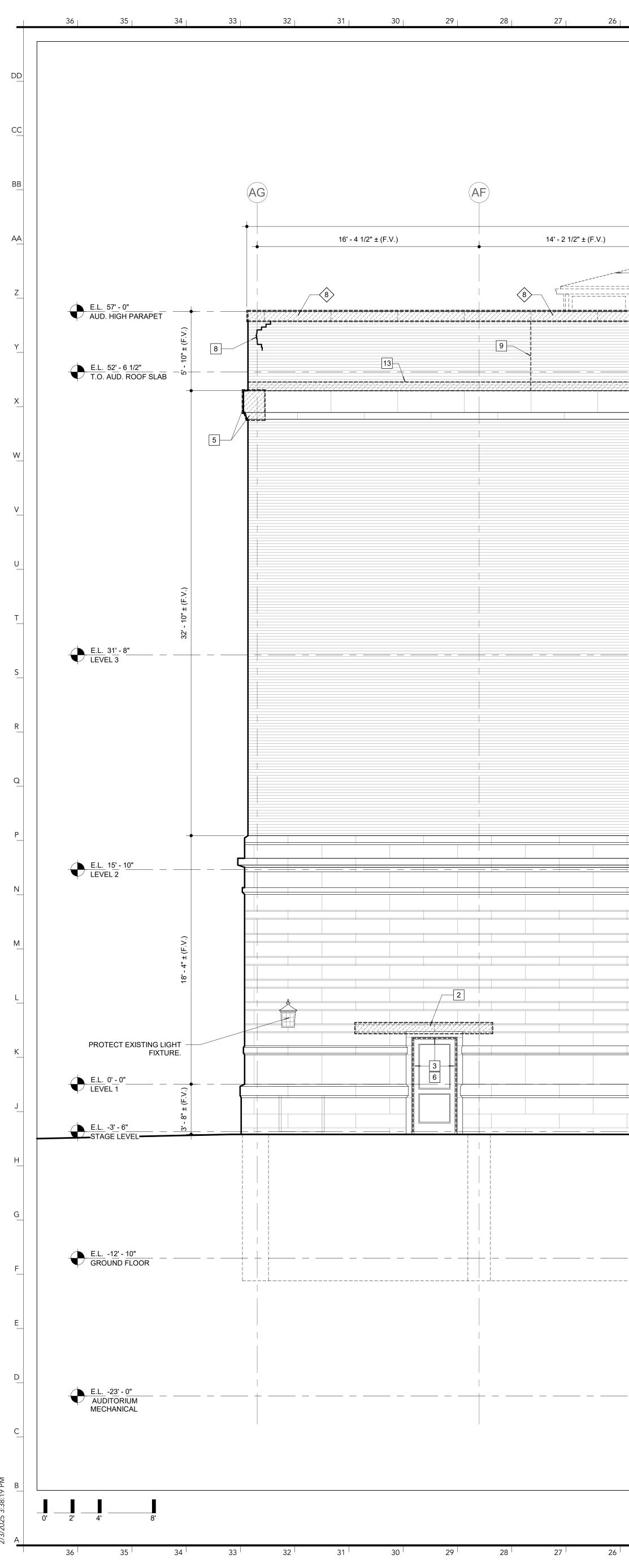


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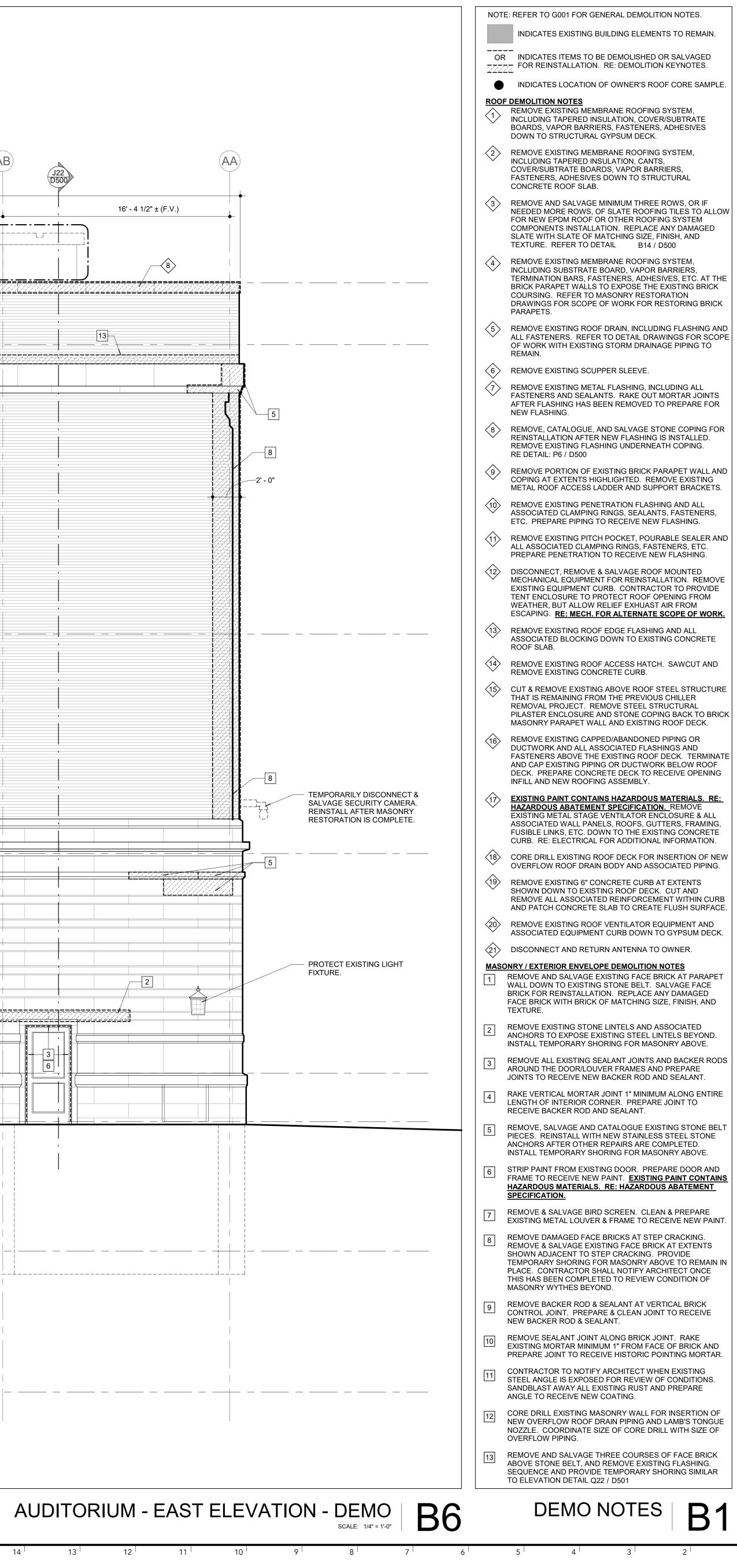


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AE			AC)	
•	14' - 2 1/2" ± (F.V.)	91' - 1" ± (F.V.) 14' - 2 1/2" ± ((F.V.)	14' - 2 1/2" ± (F.V.)	
					- <u>D203</u> OND
	9			9	



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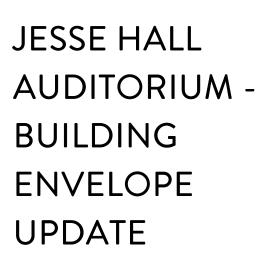
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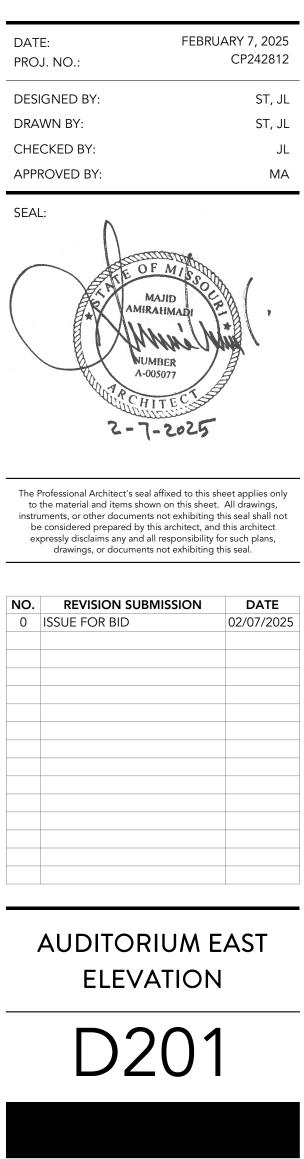


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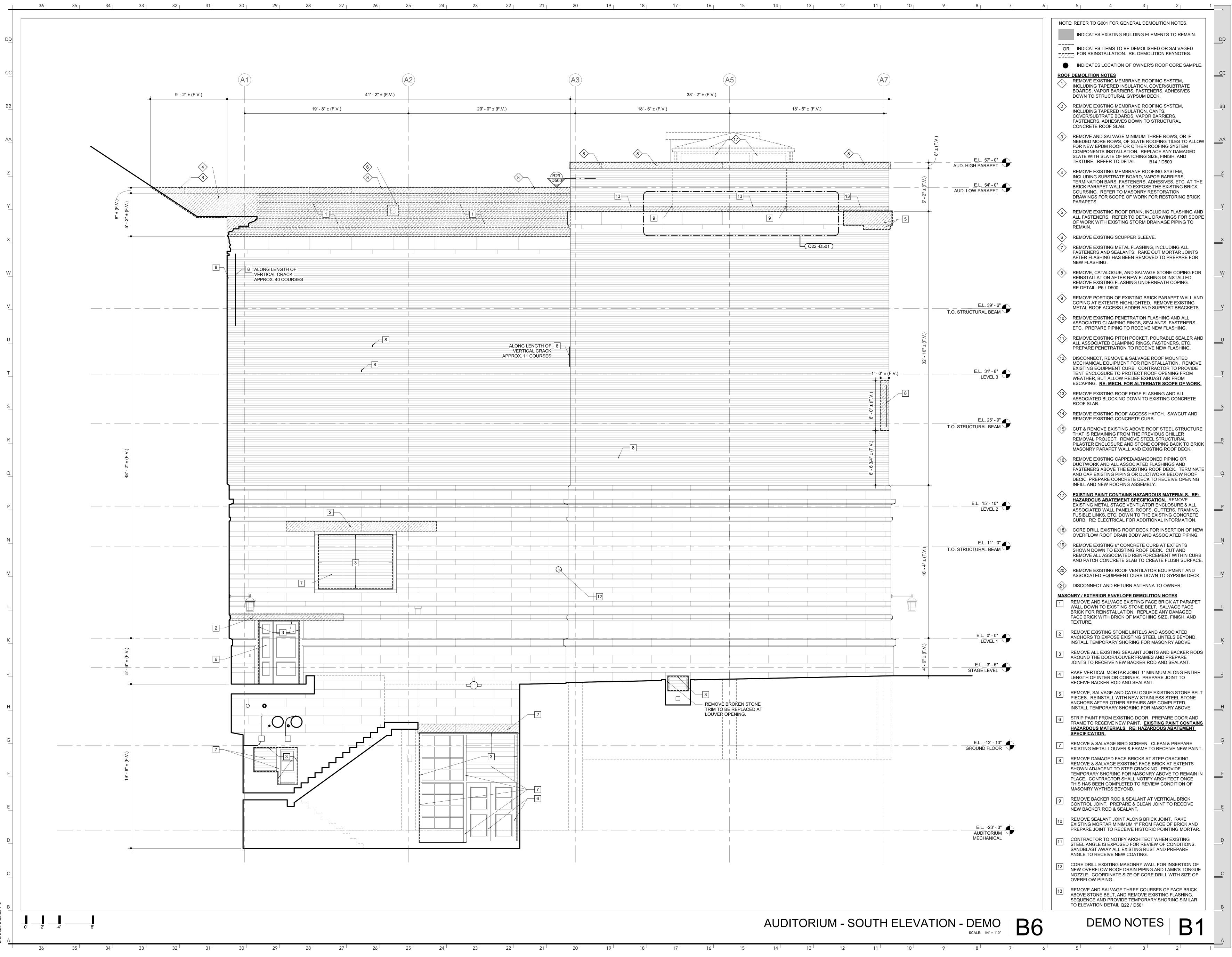
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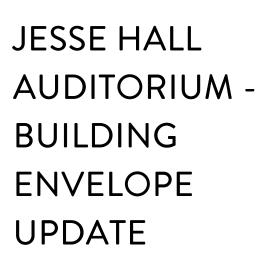
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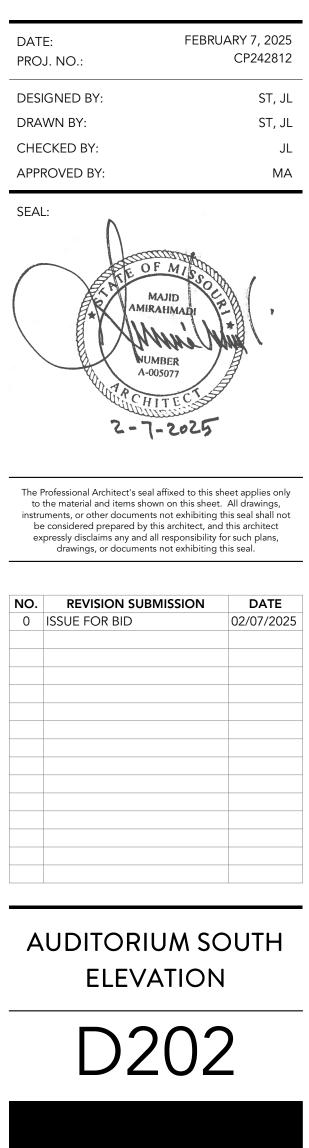
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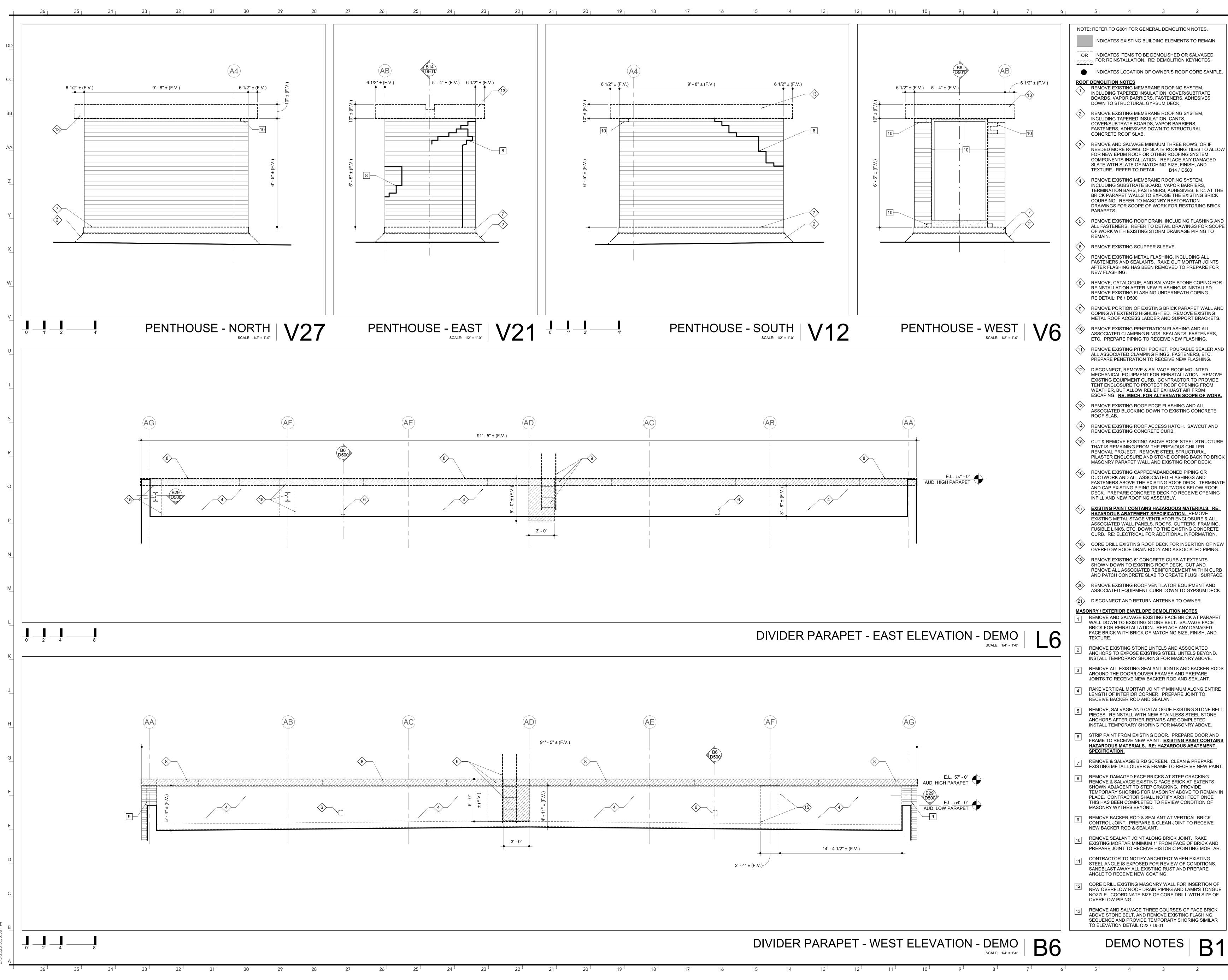


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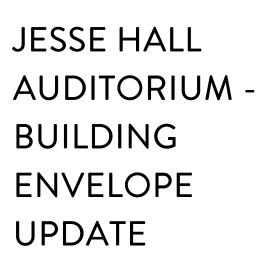
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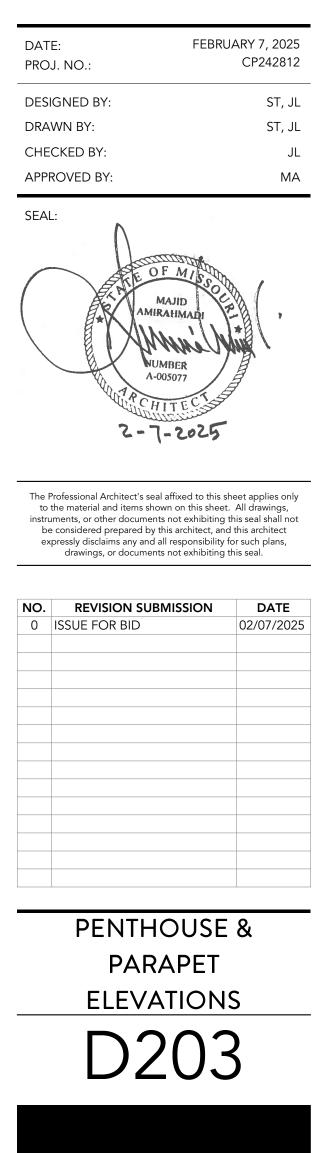
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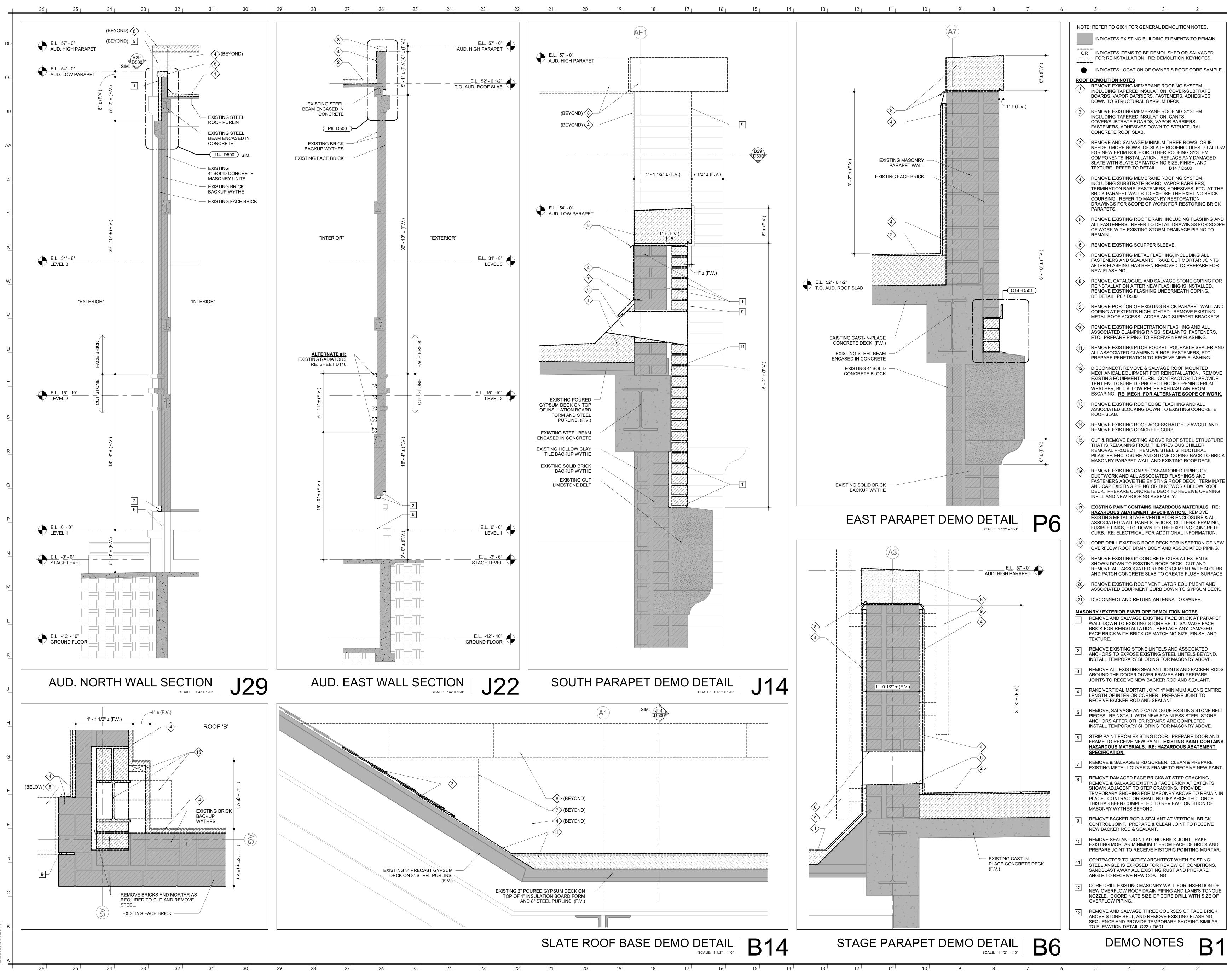


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INDICATES LOCATION OF OWNER'S ROOF CORE SAMPLE. NEEDED MORE ROWS, OF SLATE ROOFING TILES TO ALLOW TERMINATION BARS, FASTENERS, ADHESIVES, ETC. AT THE ALL FASTENERS. REFER TO DETAIL DRAWINGS FOR SCOPE PILASTER ENCLOSURE AND STONE COPING BACK TO BRICK FASTENERS ABOVE THE EXISTING ROOF DECK. TERMINATE CORE DRILL EXISTING ROOF DECK FOR INSERTION OF NEW REMOVE ALL ASSOCIATED REINFORCEMENT WITHIN CURB AND PATCH CONCRETE SLAB TO CREATE FLUSH SURFACE. ASSOCIATED EQUIPMENT CURB DOWN TO GYPSUM DECK. REMOVE ALL EXISTING SEALANT JOINTS AND BACKER RODS RAKE VERTICAL MORTAR JOINT 1" MINIMUM ALONG ENTIRE REMOVE, SALVAGE AND CATALOGUE EXISTING STONE BELT FRAME TO RECEIVE NEW PAINT. EXISTING PAINT CONTAINS EXISTING METAL LOUVER & FRAME TO RECEIVE NEW PAINT. TEMPORARY SHORING FOR MASONRY ABOVE TO REMAIN IN NEW OVERFLOW ROOF DRAIN PIPING AND LAMB'S TONGUE



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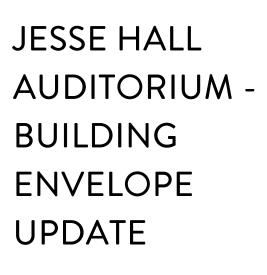
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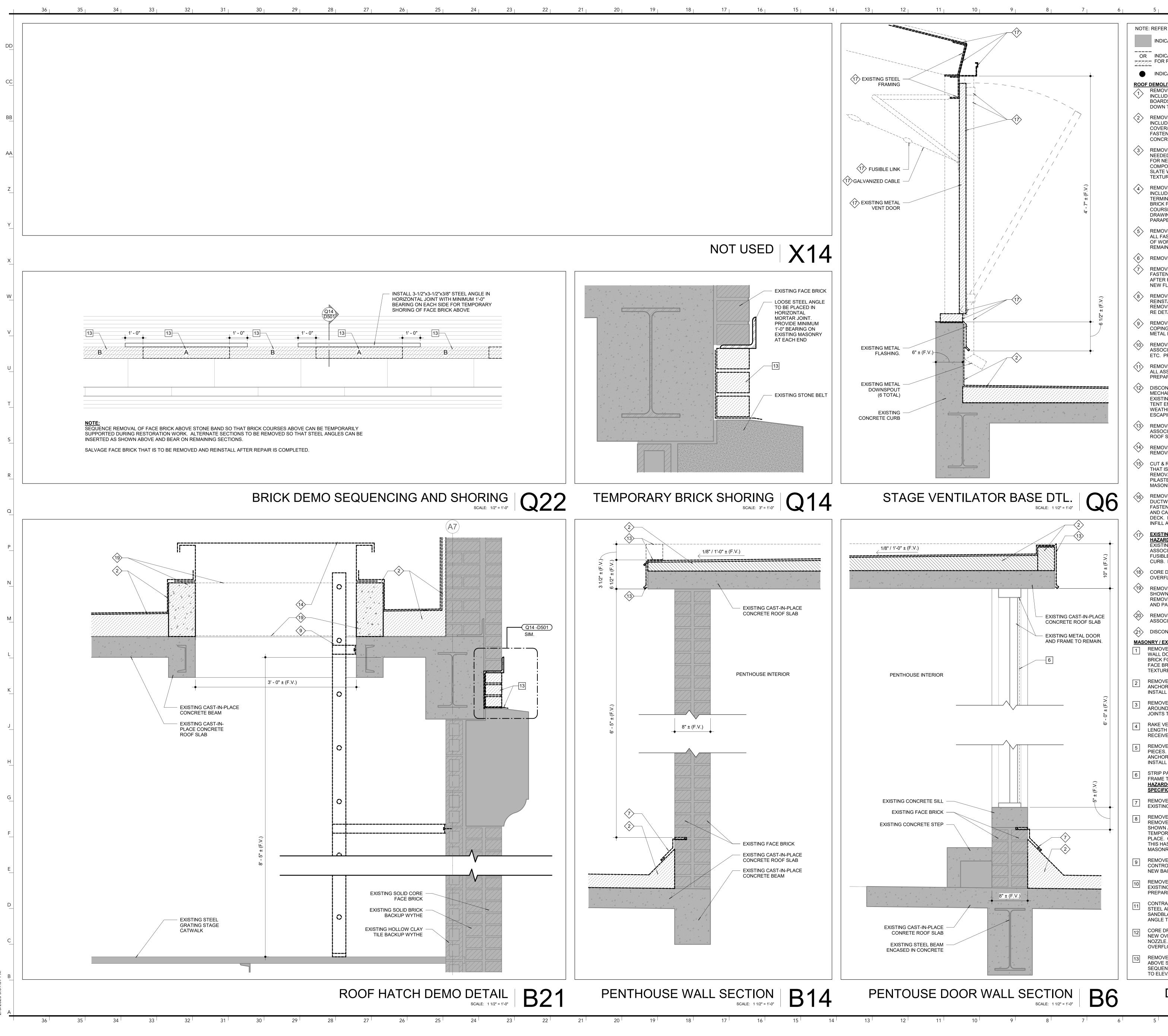


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DESIGNED BY:	ST, JL
DRAWN BY:	ST, JL
CHECKED BY:	JL
APPROVED BY:	MA
AMIR. NUN A-00	AJID AHMADI AHMADI ABER JS077 T E C T
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D5	00
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NOTE		O G001 FOR GENI			
OR		TES ITEMS TO BE	DEMOLISHED	OR SALVAGED	
•		TES LOCATION OF		DOF CORE SAMPL	.E.
	INCLUDIN BOARDS,	<u>ON NOTES</u> EXISTING MEMBF IG TAPERED INSU VAPOR BARRIER) STRUCTURAL G	ILATION, COVI S, FASTENER	ER/SUBTRATE S, ADHESIVES	
2>	INCLUDIN COVER/S FASTENE	EXISTING MEMBR IG TAPERED INSU UBTRATE BOARD RS, ADHESIVES D TE ROOF SLAB.	LATION, CAN ⁻ S, VAPOR BAI	rs, Rriers,	
3>	NEEDED FOR NEW COMPON SLATE WI	AND SALVAGE MI MORE ROWS, OF / EPDM ROOF OR ENTS INSTALLATI ITH SLATE OF MA REFER TO DET/	SLATE ROOF OTHER ROOF ON. REPLACE TCHING SIZE,	ING TILES TO ALL FING SYSTEM E ANY DAMAGED	ow
4>	INCLUDIN TERMINA BRICK PA COURSIN	RAPET WALLS TO G. REFER TO MA SS FOR SCOPE OF	DARD, VAPOR ENERS, ADHE DEXPOSE THE SONRY REST	BARRIERS, SIVES, ETC. AT TI E EXISTING BRICK	
5	REMOVE ALL FAST	EXISTING ROOF [O DETAIL DR	DING FLASHING A AWINGS FOR SCC IAGE PIPING TO	
6 7	REMOVE FASTENE AFTER FL	ASHING HAS BEE	FLASHING, IN S. RAKE OUT	CLUDING ALL MORTAR JOINTS TO PREPARE FOF	
8>	REINSTAL REMOVE		EW FLASHING		R
9>	COPING A	AT EXTENTS HIGH	ILIGHTED. RE	PARAPET WALL AI MOVE EXISTING PPORT BRACKETS	
10>	ASSOCIA	EXISTING PENETI TED CLAMPING R EPARE PIPING TO	INGS, SEALAN	ITS, FASTENERS,	
11>	ALL ASSC	EXISTING PITCH F CIATED CLAMPIN PENETRATION T	IG RINGS, FAS		ND
12>	MECHANI EXISTING TENT ENO WEATHER	EQUIPMENT CUR CLOSURE TO PRO R, BUT ALLOW RE	FOR REINSTA RB. CONTRAC TECT ROOF (LIEF EXHUAS	LLATION. REMOVITE TOR TO PROVIDE OPENING FROM	
13	REMOVE	EXISTING ROOF E	EDGE FLASHIN	NG AND ALL	
14	REMOVE			H. SAWCUT AND	
15	THAT IS F REMOVAI PILASTEF	REMAINING FROM	THE PREVIOU OVE STEEL S D STONE COF	TRUCTURAL PING BACK TO BR	
16>	DUCTWO FASTENE AND CAP DECK. PF	EXISTING PIPING	DCIATED FLAS XISTING ROOI OR DUCTWO TE DECK TO F		
17>	HAZARDO EXISTING ASSOCIA FUSIBLE I	DUS ABATEMENT METAL STAGE VI TED WALL PANEL	SPECIFICATION ENTILATOR EN S, ROOFS, GL N TO THE EXIS	NCLOSURE & ALL JTTERS, FRAMING STING CONCRETE	<u>,</u>
18				INSERTION OF NE SOCIATED PIPING	
19	SHOWN E REMOVE AND PATO	CH CONCRETE SL	IG ROOF DEC REINFORCEN AB TO CREAT	K. CUT AND MENT WITHIN CUF TE FLUSH SURFAC	
20> 21>	ASSOCIA	EXISTING ROOF \ TED EQUIPMENT ECT AND RETURN	CURB DOWN	TO GYPSUM DECI	K.
MASC 1	REMOVE A WALL DOV BRICK FOR	ERIOR ENVELOPE AND SALVAGE EXI VN TO EXISTING S R REINSTALLATIO CK WITH BRICK OF	STING FACE E STONE BELT. N. REPLACE	BRICK AT PARAPE SALVAGE FACE ANY DAMAGED	T
2	REMOVE E	EXISTING STONE I TO EXPOSE EXIS EMPORARY SHOF	TING STEEL L	INTELS BEYOND.	
3	REMOVE A		LANT JOINTS	AND BACKER RO	DS
4	RAKE VER LENGTH O		OINT 1" MINIM NER. PREPAF	UM ALONG ENTIR	E
5	REMOVE, S PIECES. R ANCHORS		TALOGUE EX IEW STAINLES EPAIRS ARE C	OMPLETED.	LT
6	FRAME TO) RECEIVE NEW P. US MATERIALS. F	AINT. <u>Existin</u>	EPARE DOOR AND I G PAINT CONTAI I S ABATEMENT	
7	EXISTING	& SALVAGE BIRD & METAL LOUVER & DAMAGED FACE B	FRAME TO R	ECEIVE NEW PAIN	NT.
8	REMOVE & SHOWN AI TEMPORA PLACE. CO THIS HAS I	SALVAGE EXIST	ING FACE BRI P CRACKING. MASONRY AI LL NOTIFY AR D TO REVIEW	CK AT EXTENTS PROVIDE BOVE TO REMAIN CHITECT ONCE	IN
9	CONTROL	BACKER ROD & SE JOINT. PREPARE KER ROD & SEALA	& CLEAN JOI		
0	EXISTING I PREPARE	JOINT TO RECEIV	M 1" FROM FA	CE OF BRICK AND OINTING MORTAF	
1	STEEL ANG SANDBLAS ANGLE TO	TOR TO NOTIFY A GLE IS EXPOSED ST AWAY ALL EXIS RECEIVE NEW C	FOR REVIEW STING RUST A OATING.	OF CONDITIONS. ND PREPARE	
2	NEW OVER NOZZLE. (OVERFLO)	RFLOW ROOF DR/ COORDINATE SIZE W PIPING.	AIN PIPING AN E OF CORE DF	OR INSERTION OF ID LAMB'S TONGU RILL WITH SIZE OF	JE =
3	ABOVE ST SEQUENC	ONE BELT, AND R	EMOVE EXIST EMPORARY S	S OF FACE BRICK FING FLASHING. SHORING SIMILAR	
	D		IOTES	^S B'	1

5 '

4

3 |

2



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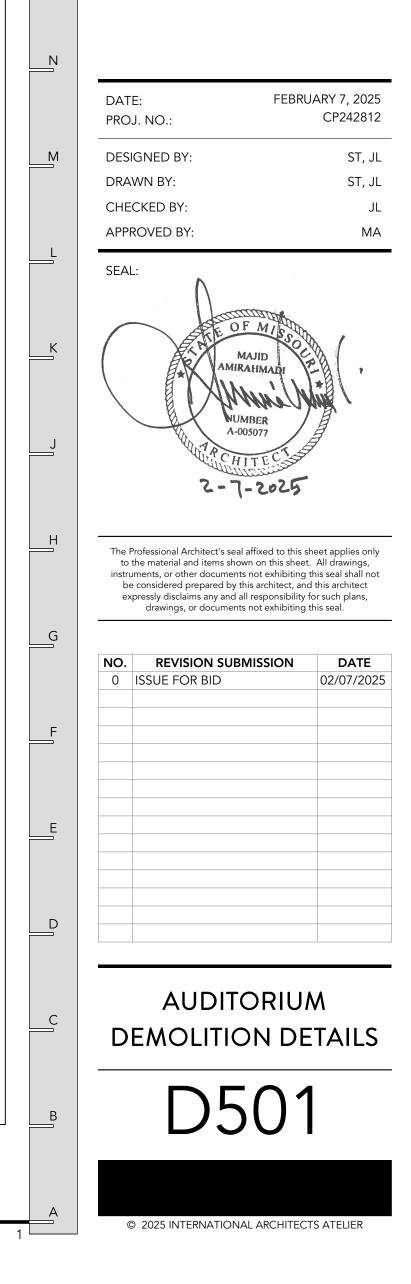
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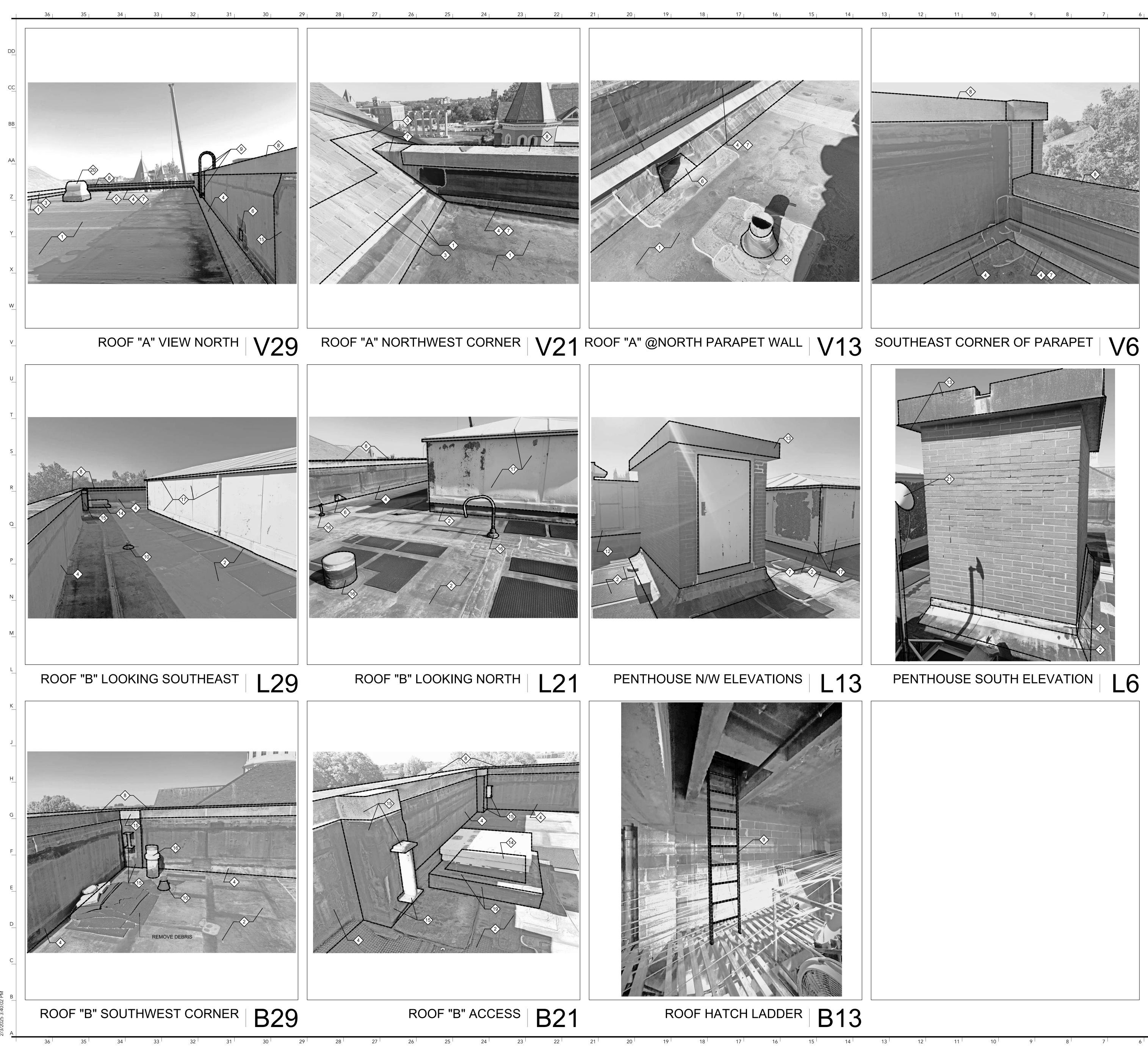


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NOTE	E: REFER TO C	G001 FOR GEN	IERAL DEMOL	ITION NOTES.
	INDICATES	S EXISTING BU	ILDING ELEM	ENTS TO REMAIN.
OR 2222		STALLATION.	RE: DEMOLITI	D OR SALVAGED ON KEYNOTES.
ROOF	INCLUDING ⁻ BOARDS, VA	ISTING MEMB	JLATION, CO∖ RS, FASTENEF	/ER/SUBTRATE RS, ADHESIVES
2	INCLUDING COVER/SUB FASTENERS	ISTING MEMBI TAPERED INSI TRATE BOARE , ADHESIVES I ROOF SLAB.	JLATION, CAN DS, VAPOR BA	ITS, ARIERS,
3>	REMOVE AN NEEDED MO FOR NEW EF COMPONEN SLATE WITH	D SALVAGE M RE ROWS, OF PDM ROOF OF	SLATE ROOF OTHER ROO ION. REPLAC	EE ROWS, OR IF FING TILES TO ALLOW FING SYSTEM E ANY DAMAGED , FINISH, AND / D500
	INCLUDING S TERMINATIC BRICK PARA COURSING.	PET WALLS T REFER TO MA	OARD, VAPOF TENERS, ADH O EXPOSE TH ASONRY REST	R BARRIERS, ESIVES, ETC. AT THE IE EXISTING BRICK
\$	ALL FASTEN	ERS. REFER	TO DETAIL DR	IDING FLASHING AND RAWINGS FOR SCOPE NAGE PIPING TO
		ISTING SCUPF		
~	FASTENERS AFTER FLAS NEW FLASH	AND SEALAN HING HAS BEI ING.	TS. RAKE ÓU EN REMOVED	T MORTAR JOINTS TO PREPARE FOR
< <u>8</u> >	REINSTALLA	TION AFTER N	NEW FLASHIN	STONE COPING FOR G IS INSTALLED. EATH COPING.
<9>	COPING AT I	EXTENTS HIGH	HLIGHTED. RI	PARAPET WALL AND EMOVE EXISTING IPPORT BRACKETS.
(10)	ASSOCIATE		RINGS, SEALA	SHING AND ALL NTS, FASTENERS, W FLASHING.
< <u>1</u> 1	ALL ASSOCI	ATED CLAMPI	NG RINGS, FA	JRABLE SEALER AND STENERS, ETC. IEW FLASHING.
< <u>12</u> >	MECHANICA EXISTING EC TENT ENCLO WEATHER, E	L EQUIPMENT QUIPMENT CU DSURE TO PRO BUT ALLOW RE	FOR REINST RB. CONTRA DTECT ROOF ELIEF EXHUAS	OF MOUNTED ALLATION. REMOVE CTOR TO PROVIDE OPENING FROM ST AIR FROM E SCOPE OF WORK.
13				ING AND ALL STING CONCRETE
(14)		ISTING ROOF ISTING CONCI		CH. SAWCUT AND
<15>	THAT IS REM REMOVAL PI PILASTER EI	AINING FROM ROJECT. REM NCLOSURE AN	1 THE PREVIO 10VE STEEL S 10 STONE CO	
(16)	DUCTWORK FASTENERS AND CAP EX DECK. PREF	ISTING PIPING	OCIATED FLA EXISTING ROC OR DUCTWO ETE DECK TO	
17>	HAZARDOUS EXISTING ME ASSOCIATED FUSIBLE LIN	S ABATEMENT ETAL STAGE V D WALL PANEI KS, ETC. DOW	SPECIFICATI (ENTILATOR E _S, ROOFS, G (N TO THE EX	S MATERIALS. RE: ON. REMOVE NCLOSURE & ALL UTTERS, FRAMING, ISTING CONCRETE AL INFORMATION.
(18)				R INSERTION OF NEW SSOCIATED PIPING.
(19)	SHOWN DOV REMOVE AL		NG ROOF DEC D REINFORCE	
20>				EQUIPMENT AND TO GYPSUM DECK.
21>	DISCONNEC	T AND RETUR	N ANTENNA T	O OWNER.

DEMO NOTES

3 '

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5 '

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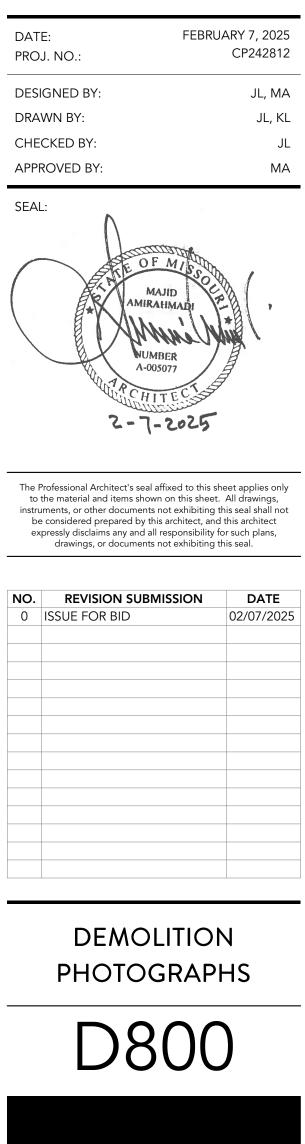


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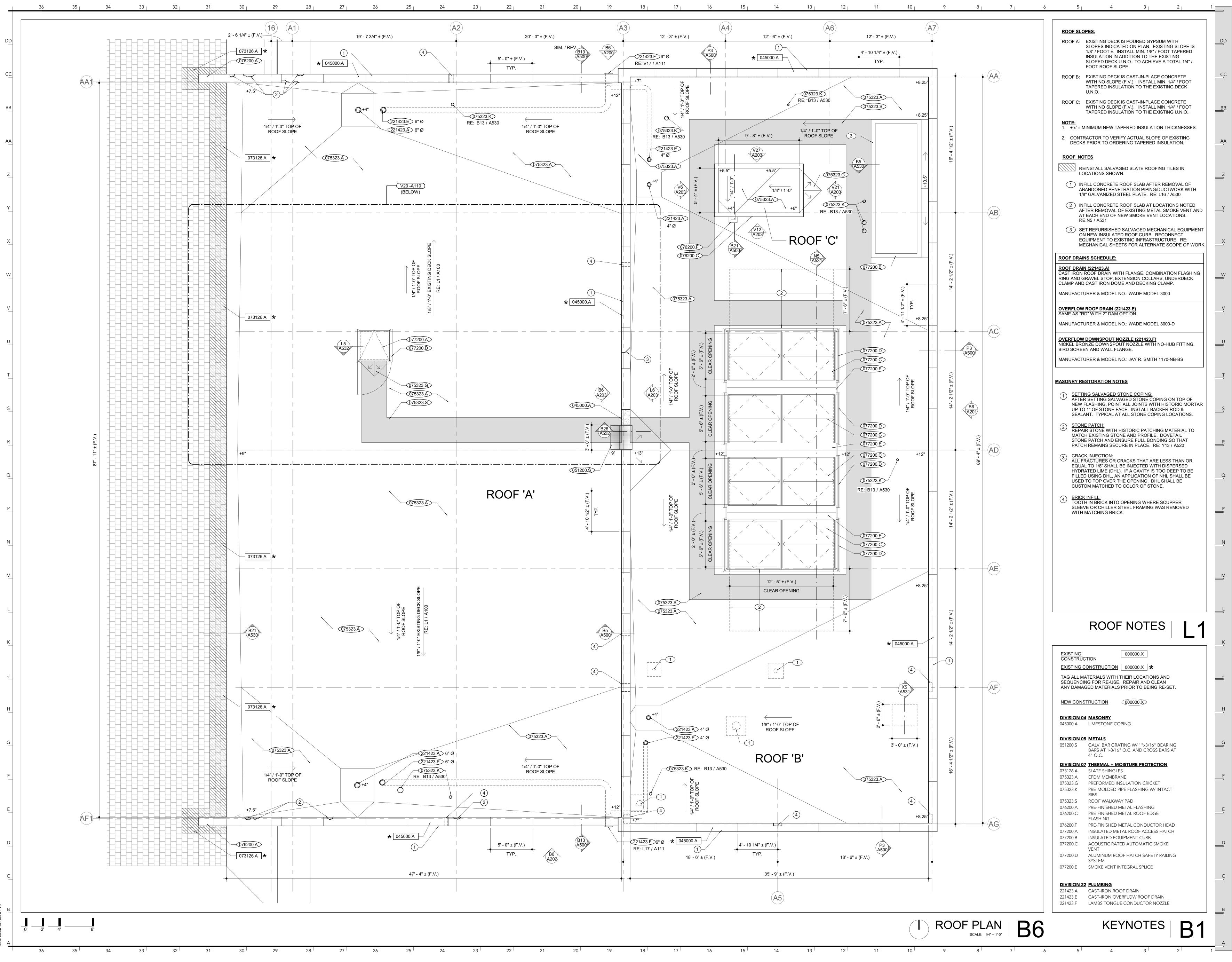


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ROOF SLOPES: ROOF A: EXISTING DECK IS POURED GYPSUM WITH SLOPES INDICATED ON PLAN. EXISTING SLOPE IS 1/8" / FOOT ±. INSTALL MIN. 1/8" / FOOT TAPERED INSULATION IN ADDITION TO THE EXISTING
ROOF B: EXISTING DECK IS CAST-IN-PLACE CONCRETE WITH NO SLOPE (F.V.). INSTALL MIN. 1/4" / FOOT TAPERED INSULATION TO THE EXISTING DECK
U.N.O ROOF C: EXISTING DECK IS CAST-IN-PLACE CONCRETE WITH NO SLOPE (F.V.). INSTALL MIN. 1/4" / FOOT
TAPERED INSULATION TO THE EXISTING U.N.O <u>NOTE:</u> 1. +'x' = MINIMUM NEW TAPERED INSULATION THICKNESSES.
2. CONTRACTOR TO VERIFY ACTUAL SLOPE OF EXISTING DECKS PRIOR TO ORDERING TAPERED INSULATION.
REINSTALL SALVAGED SLATE ROOFING TILES IN LOCATIONS SHOWN.
1 INFILL CONCRETE ROOF SLAB AFTER REMOVAL OF ABANDONED PENETRATION PIPING/DUCTWORK WITH 1/8" GALVANIZED STEEL PLATE. RE: L16 / A530
2 INFILL CONCRETE ROOF SLAB AT LOCATIONS NOTED AFTER REMOVAL OF EXISTING METAL SMOKE VENT AND AT EACH END OF NEW SMOKE VENT LOCATIONS. RE:N5 / A531
3 SET REFURBISHED SALVAGED MECHANICAL EQUIPMENT ON NEW INSULATED ROOF CURB. RECONNECT EQUIPMENT TO EXISTING INFRASTRUCTURE. RE: MECHANICAL SHEETS FOR ALTERNATE SCOPE OF WORK.
ROOF DRAINS SCHEDULE:
ROOF DRAIN (221423.A)CAST IRON ROOF DRAIN WITH FLANGE, COMBINATION FLASHINGRING AND GRAVEL STOP, EXTENSION COLLARS, UNDERDECKCLAMP AND CAST IRON DOME AND DECKING CLAMP.MANUFACTURER & MODEL NO.: WADE MODEL 3000
OVERFLOW ROOF DRAIN (221423.E) SAME AS "RD" WITH 2" DAM OPTION.
MANUFACTURER & MODEL NO.: WADE MODEL 3000-D OVERFLOW DOWNSPOUT NOZZLE (221423.F) NICKEL BRONZE DOWNSPOUT NOZZLE WITH NO-HUB FITTING,
MANUFACTURER & MODEL NO.: JAY R. SMITH 1170-NB-BS
MASONRY RESTORATION NOTES
1 <u>SETTING SALVAGED STONE COPING:</u> AFTER SETTING SALVAGED STONE COPING ON TOP OF NEW FLASHING, POINT ALL JOINTS WITH HISTORIC MORTAR UP TO 1" OF STONE FACE. INSTALL BACKER ROD & SEALANT. TYPICAL AT ALL STONE COPING LOCATIONS.
STONE PATCH: REPAIR STONE WITH HISTORIC PATCHING MATERIAL TO MATCH EXISTING STONE AND PROFILE. DOVETAIL STONE PATCH AND ENSURE FULL BONDING SO THAT PATCH REMAINS SECURE IN PLACE. RE: Y13 / A520
CRACK INJECTION: ALL FRACTURES OR CRACKS THAT ARE LESS THAN OR EQUAL TO 1/8" SHALL BE INJECTED WITH DISPERSED HYDRATED LIME (DHL). IF A CAVITY IS TOO DEEP TO BE
FILLED USING DHL, AN APPLICATION OF NHL SHALL BE USED TO TOP OVER THE OPENING. DHL SHALL BE CUSTOM MATCHED TO COLOR OF STONE.
BRICK INFILL: TOOTH IN BRICK INTO OPENING WHERE SCUPPER SLEEVE OR CHILLER STEEL FRAMING WAS REMOVED
WITH MATCHING BRICK.
EXISTING CONSTRUCTION
EXISTING CONSTRUCTION 000000.X ★ TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN
ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET. NEW CONSTRUCTION 000000.X
DIVISION 04 MASONRY 045000.A LIMESTONE COPING
DIVISION 05 METALS 051200.S GALV. BAR GRATING W/ 1"x3/16" BEARING BARS AT 1-3/16" O.C. AND CROSS BARS AT 4" O.C.
DIVISION 07THERMAL + MOISTURE PROTECTION073126.ASLATE SHINGLES075323.AEPDM MEMBRANE
075323.G PREFORMED INSULATION CRICKET 075323.K PRE-MOLDED PIPE FLASHING W/ INTACT RIBS
075323.SROOF WALKWAY PAD076200.APRE-FINISHED METAL FLASHING076200.CPRE-FINISHED METAL ROOF EDGEFLASHING
076200.FPRE-FINISHED METAL CONDUCTOR HEAD077200.AINSULATED METAL ROOF ACCESS HATCH077200.BINSULATED EQUIPMENT CURB077200.CACOUSTIC RATED AUTOMATIC SMOKE
077200.C ACOUSTIC RATED AUTOMATIC SMOKE VENT 077200.D ALUMINUM ROOF HATCH SAFETY RAILING SYSTEM 077200.E SMOKE VENT INTEGRAL SPLICE
DIVISION 22PLUMBING221423.ACAST-IRON ROOF DRAIN221423.ECAST-IRON OVERFLOW ROOF DRAIN221423.FLAMBS TONGUE CONDUCTOR NOZZLE
KEYNOTES B1





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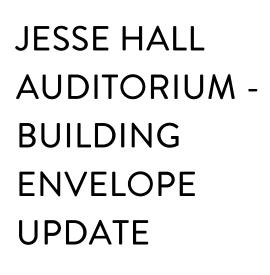
1600 BALTIMORE KANSAS CITY, MO 64108 PH: 816.842.8437

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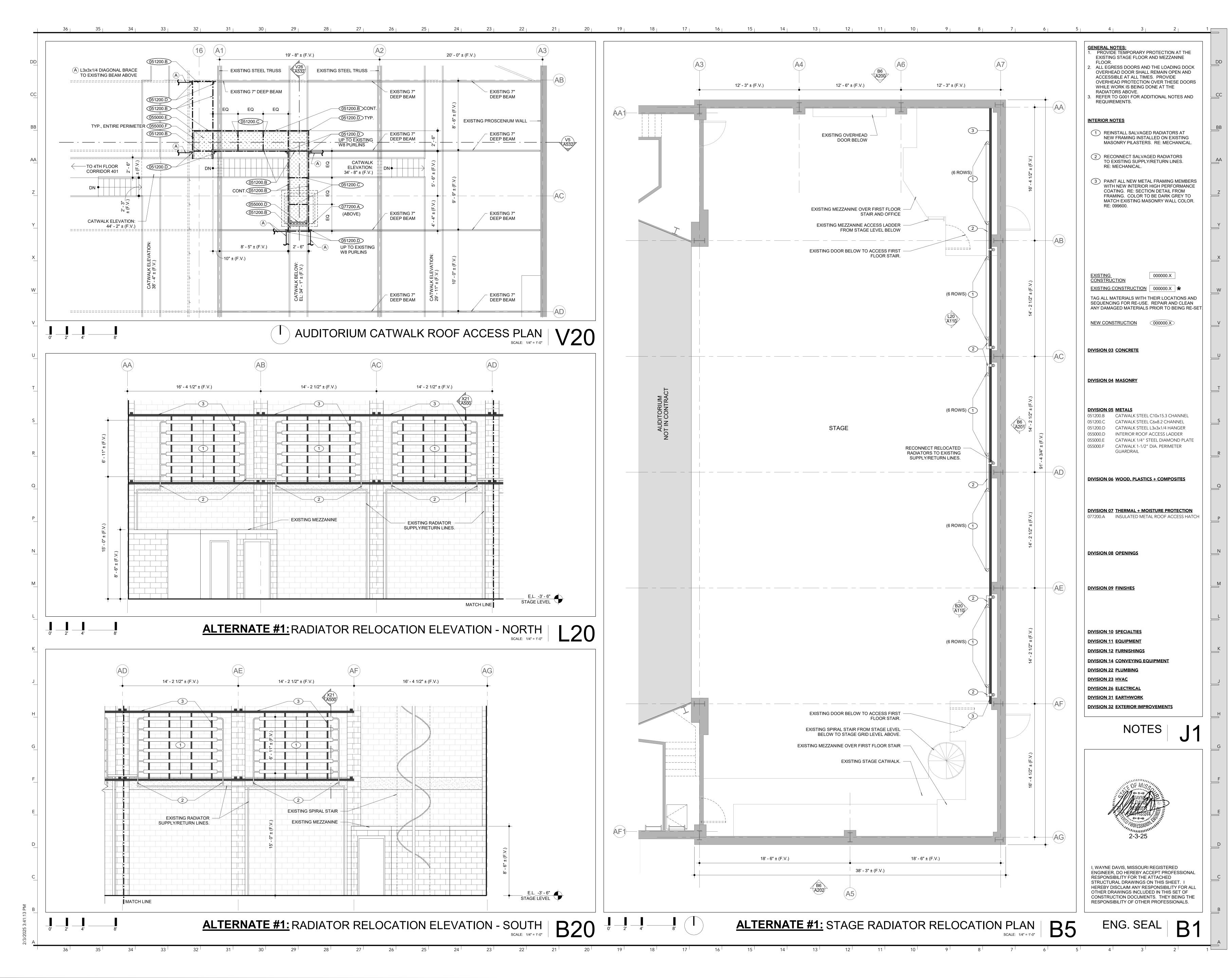
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ROOF PLAN



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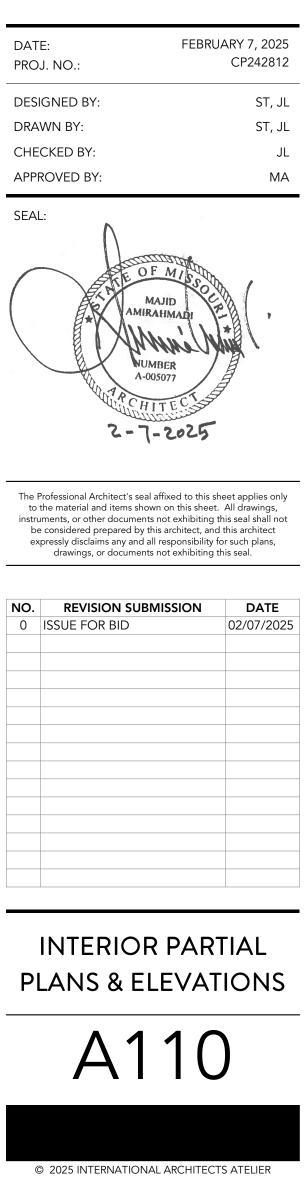
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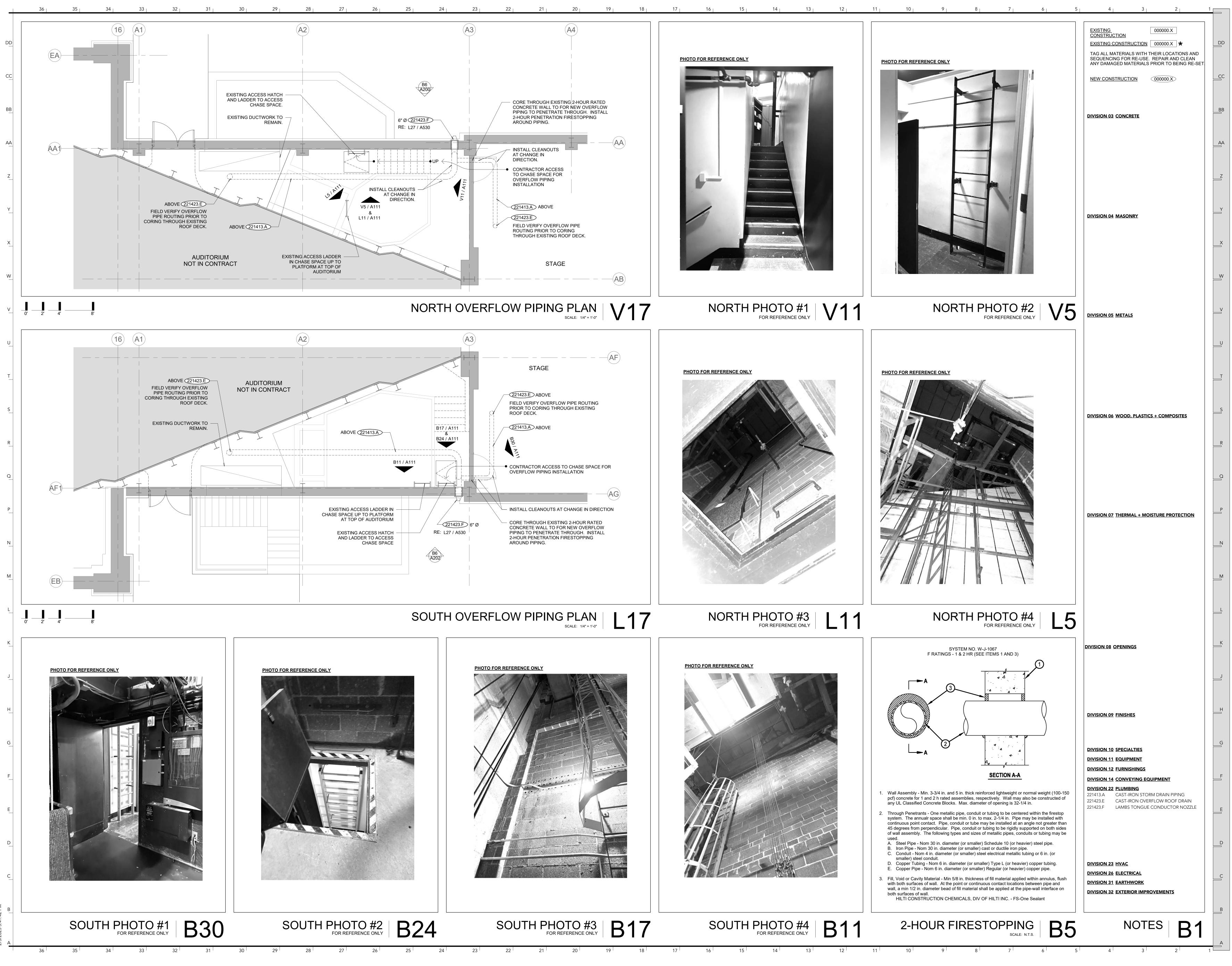


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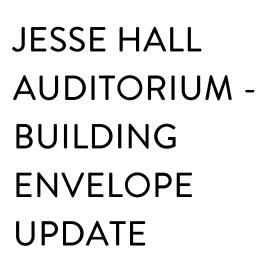
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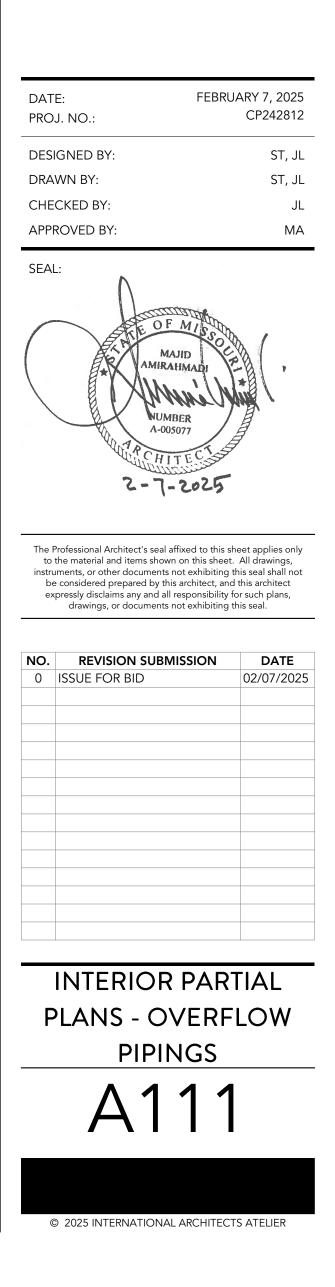
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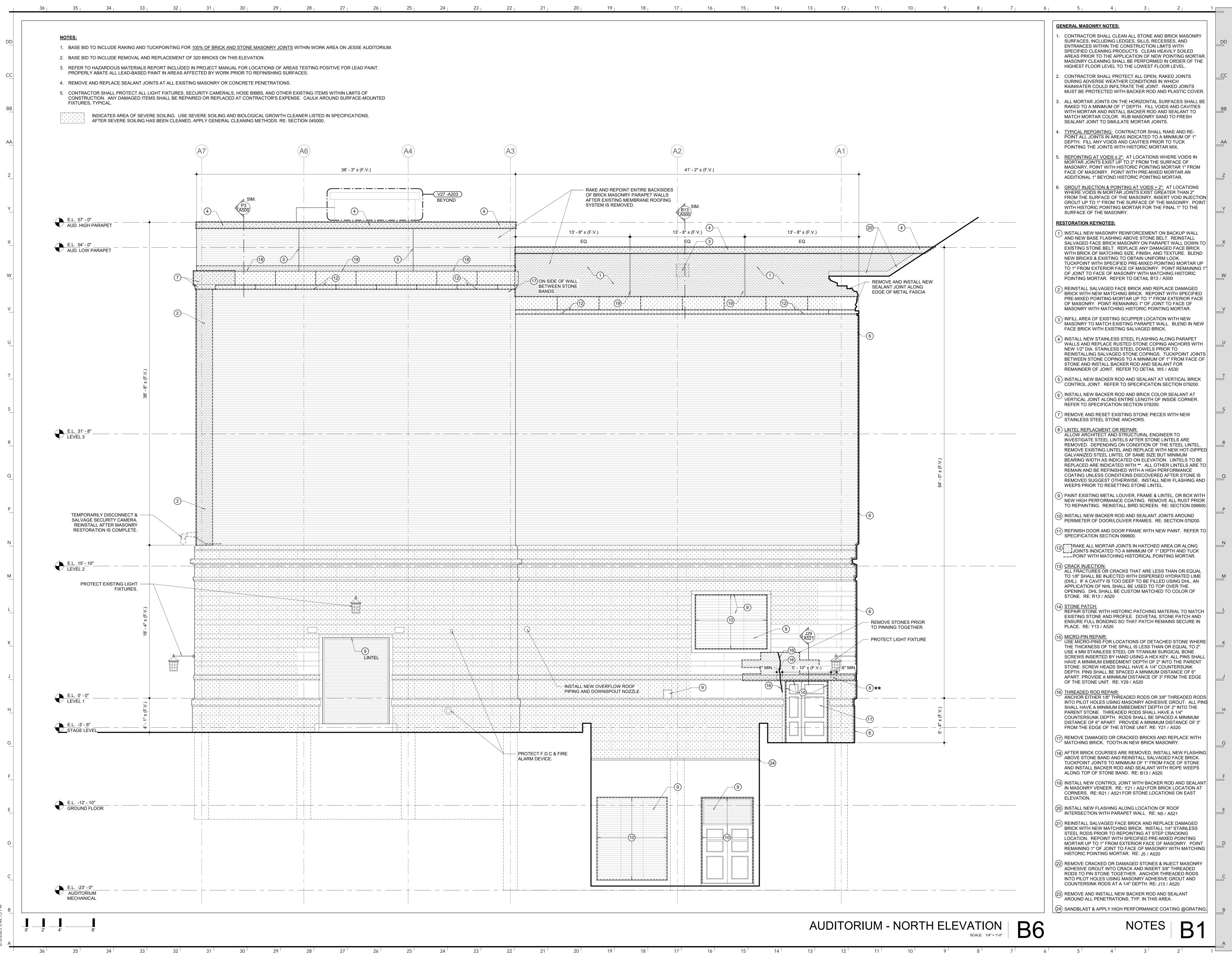


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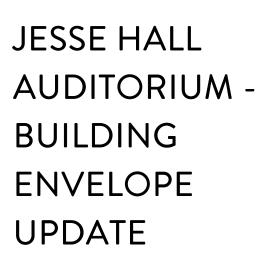
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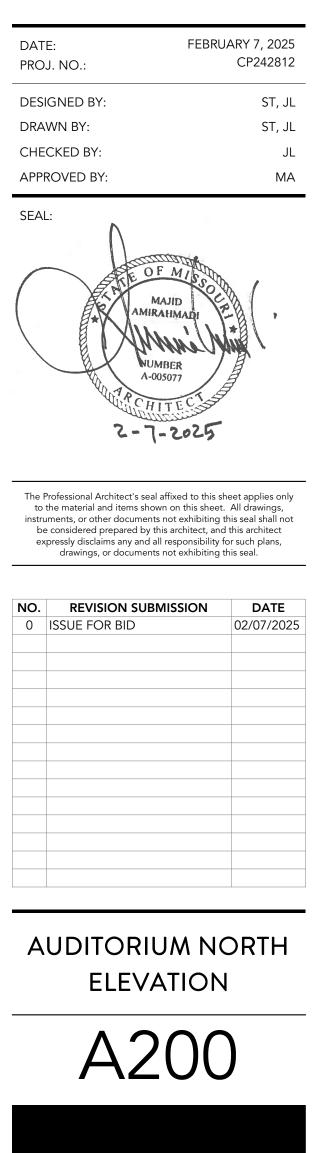


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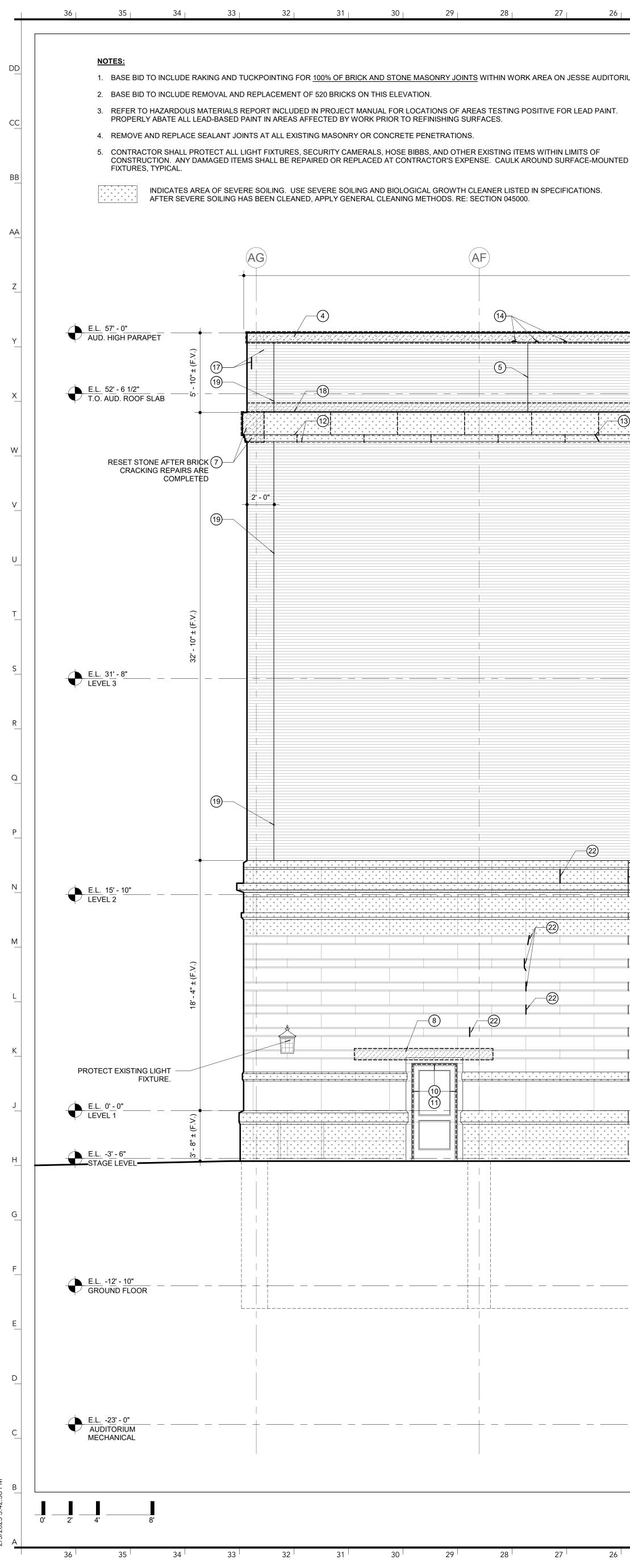


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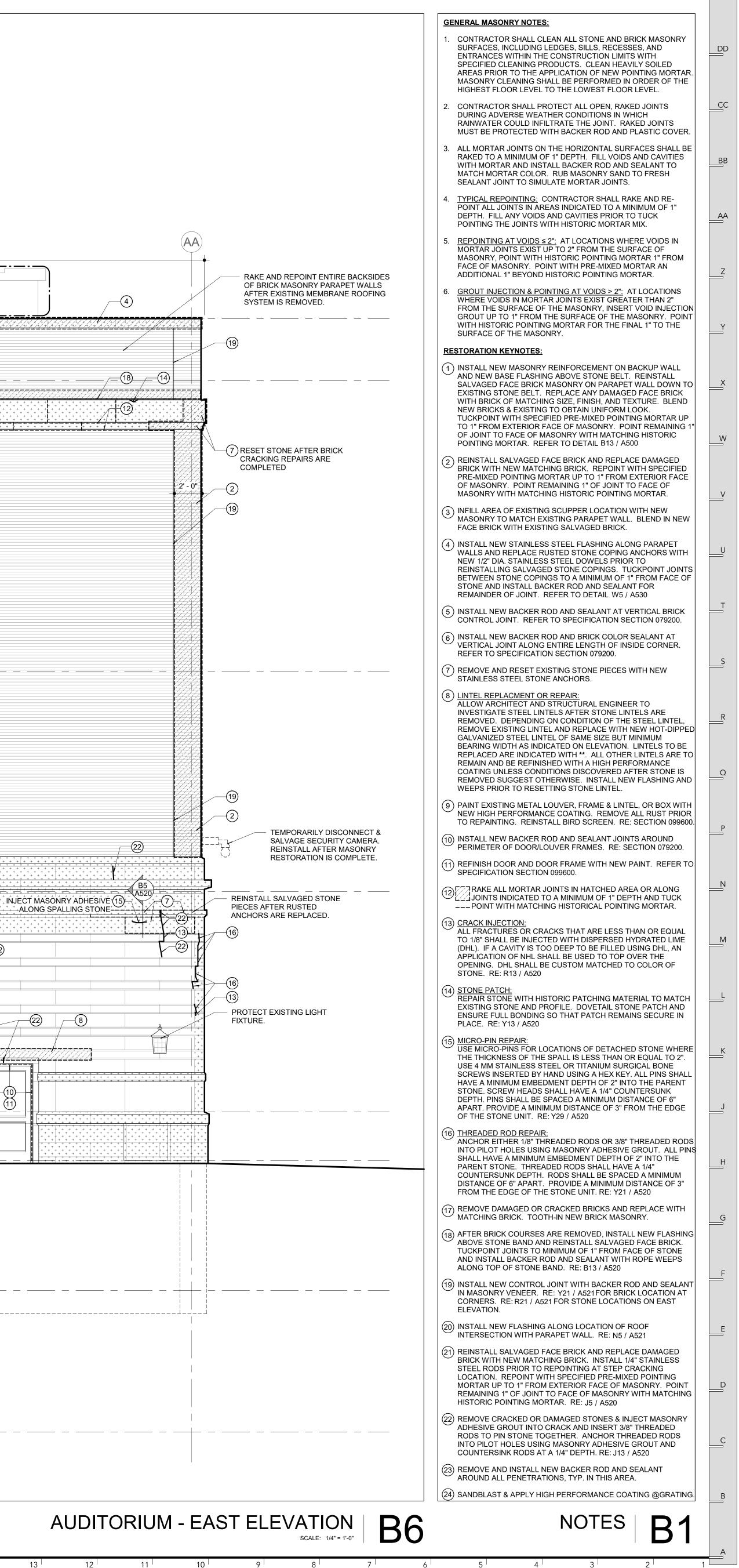
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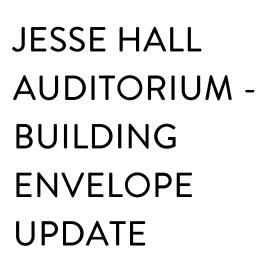
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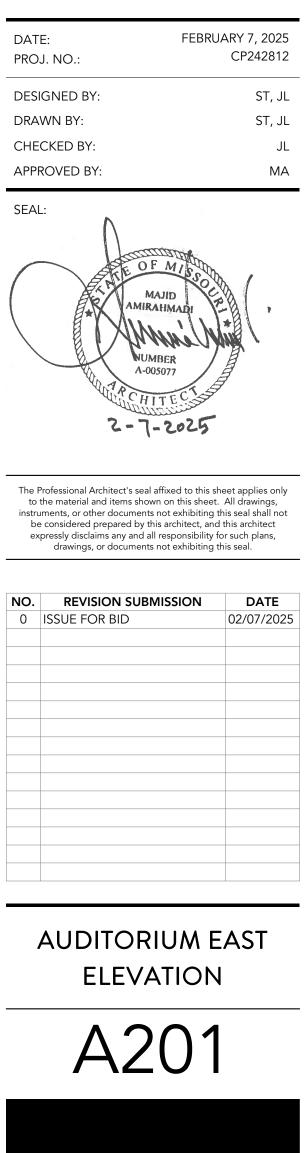


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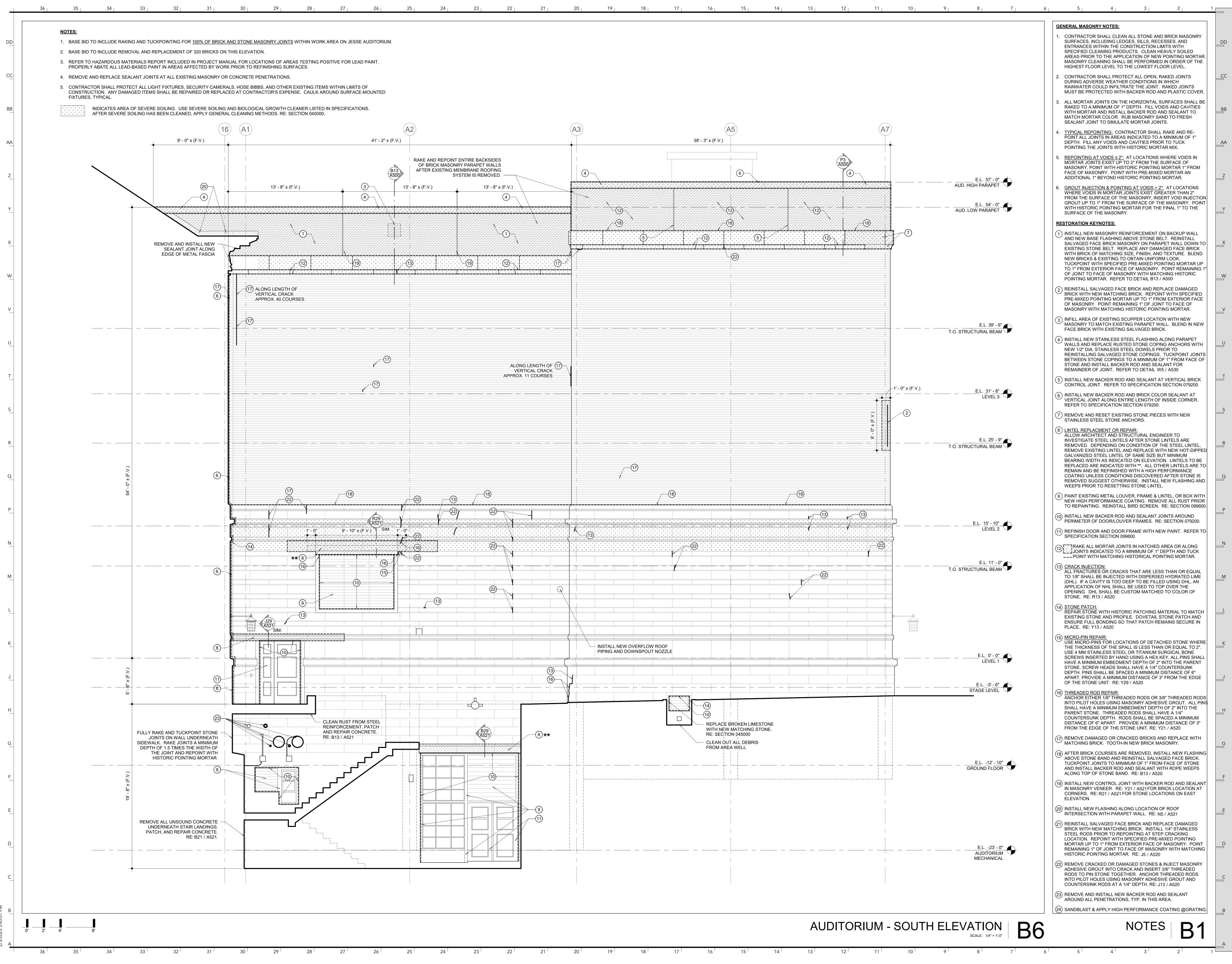


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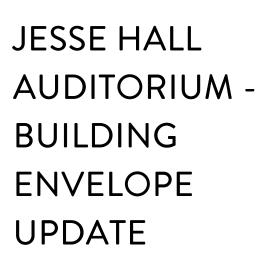
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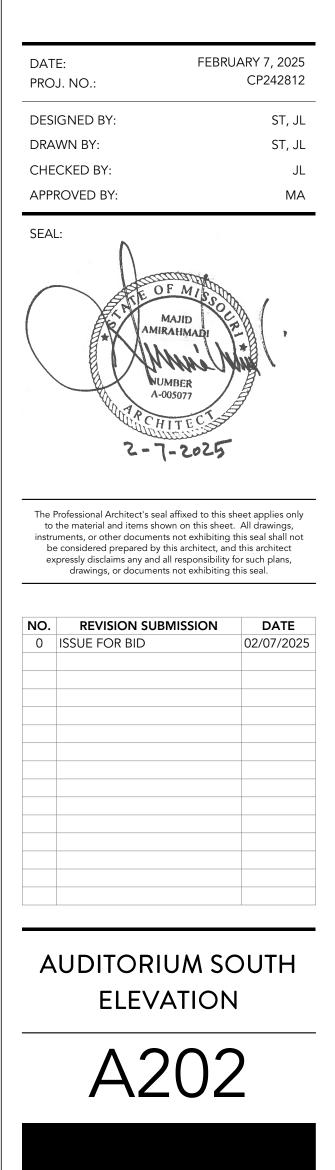
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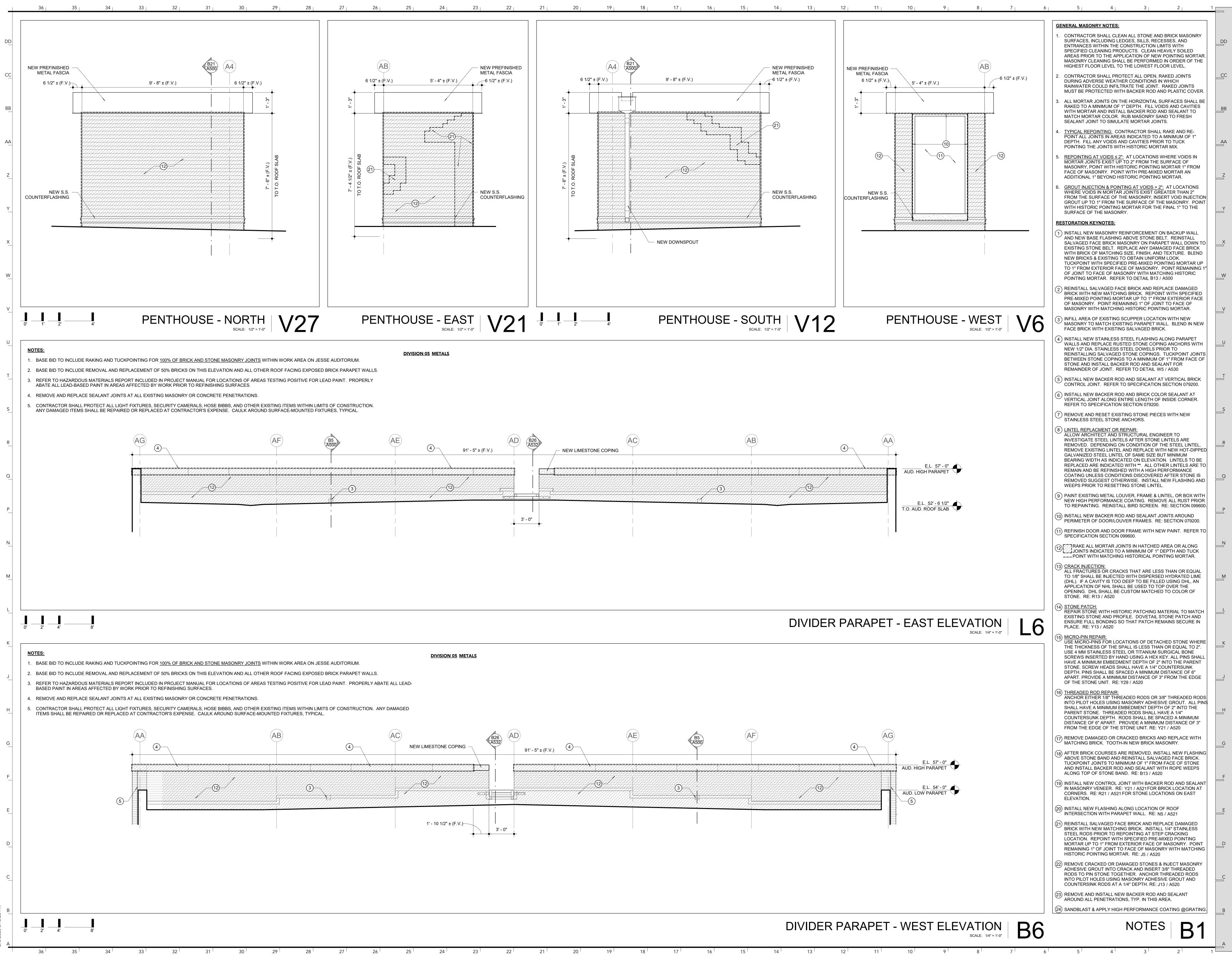


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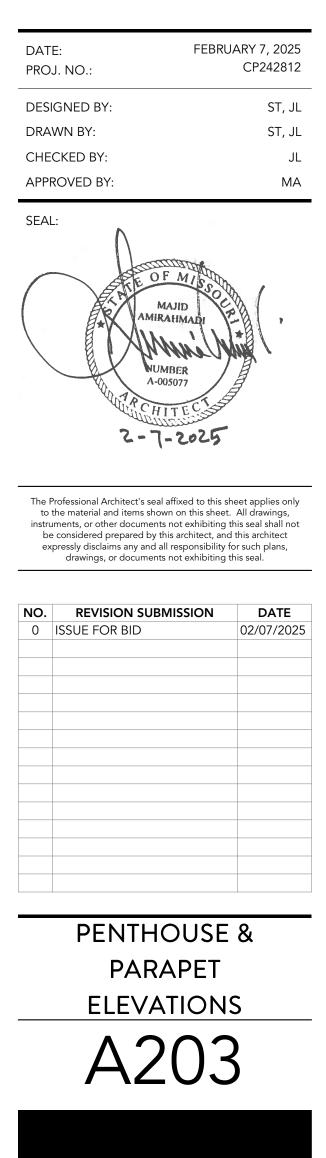
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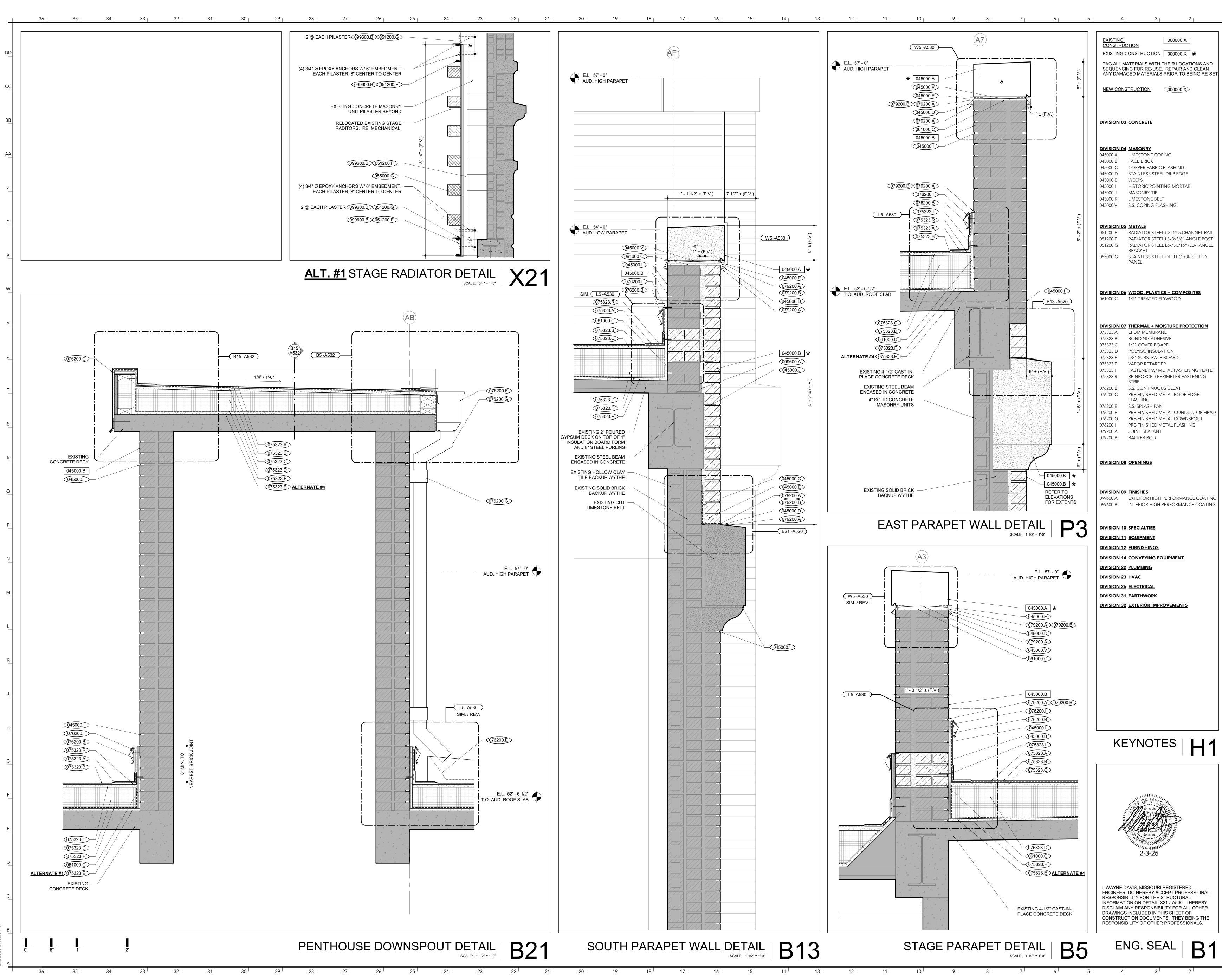


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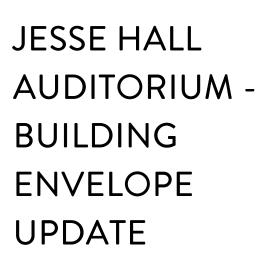
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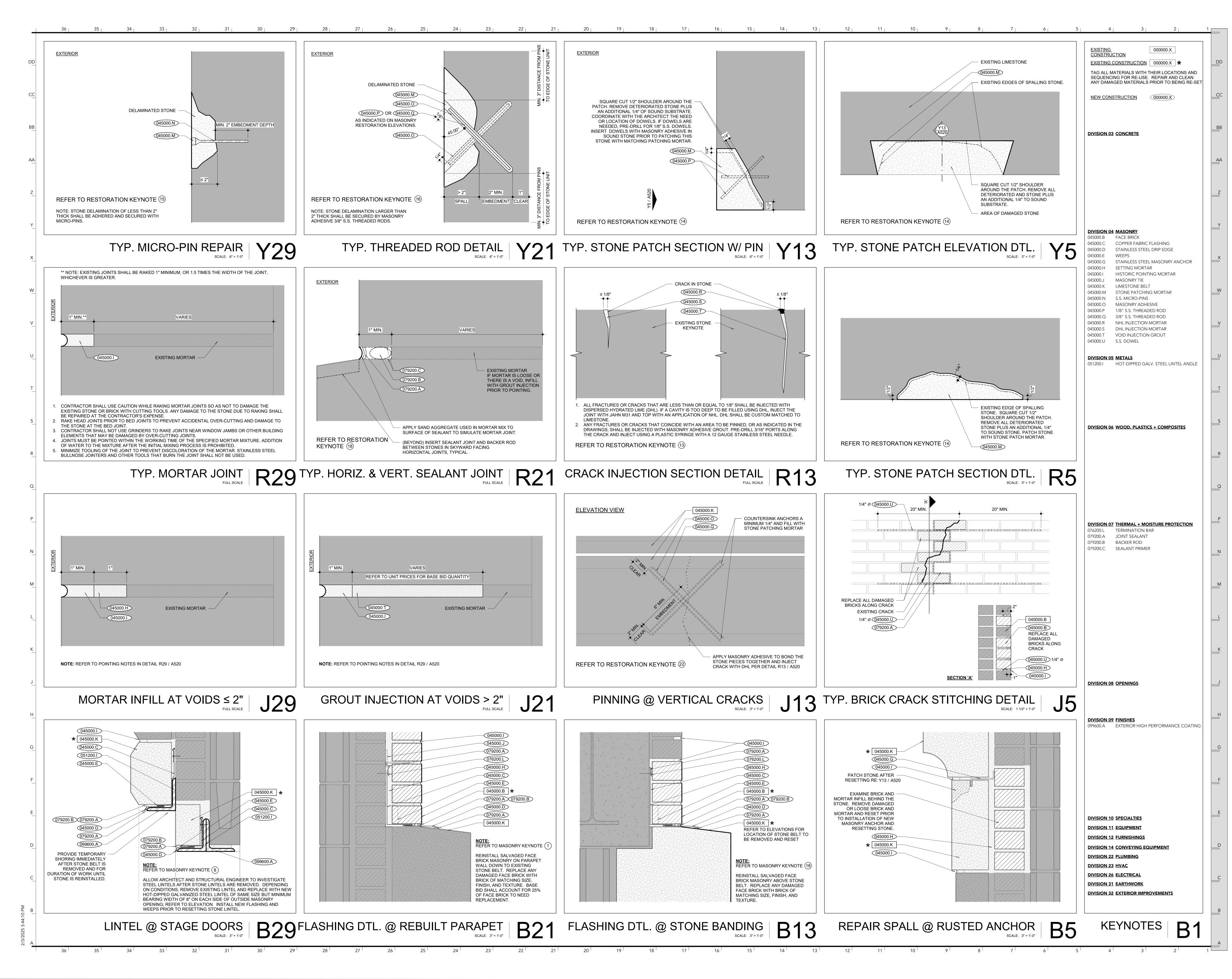


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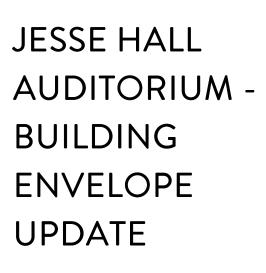
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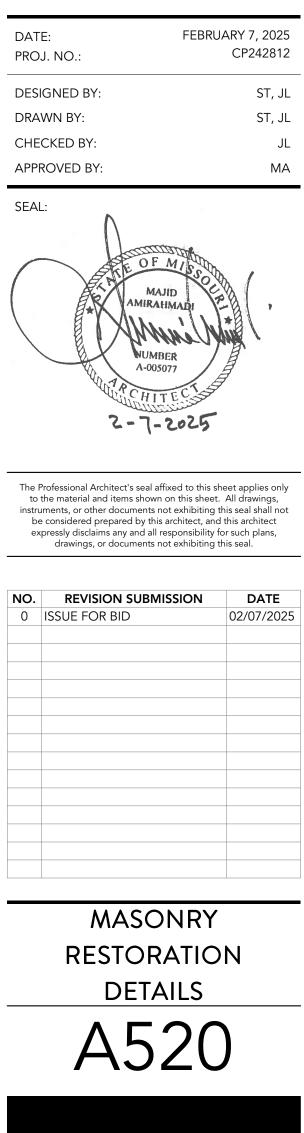
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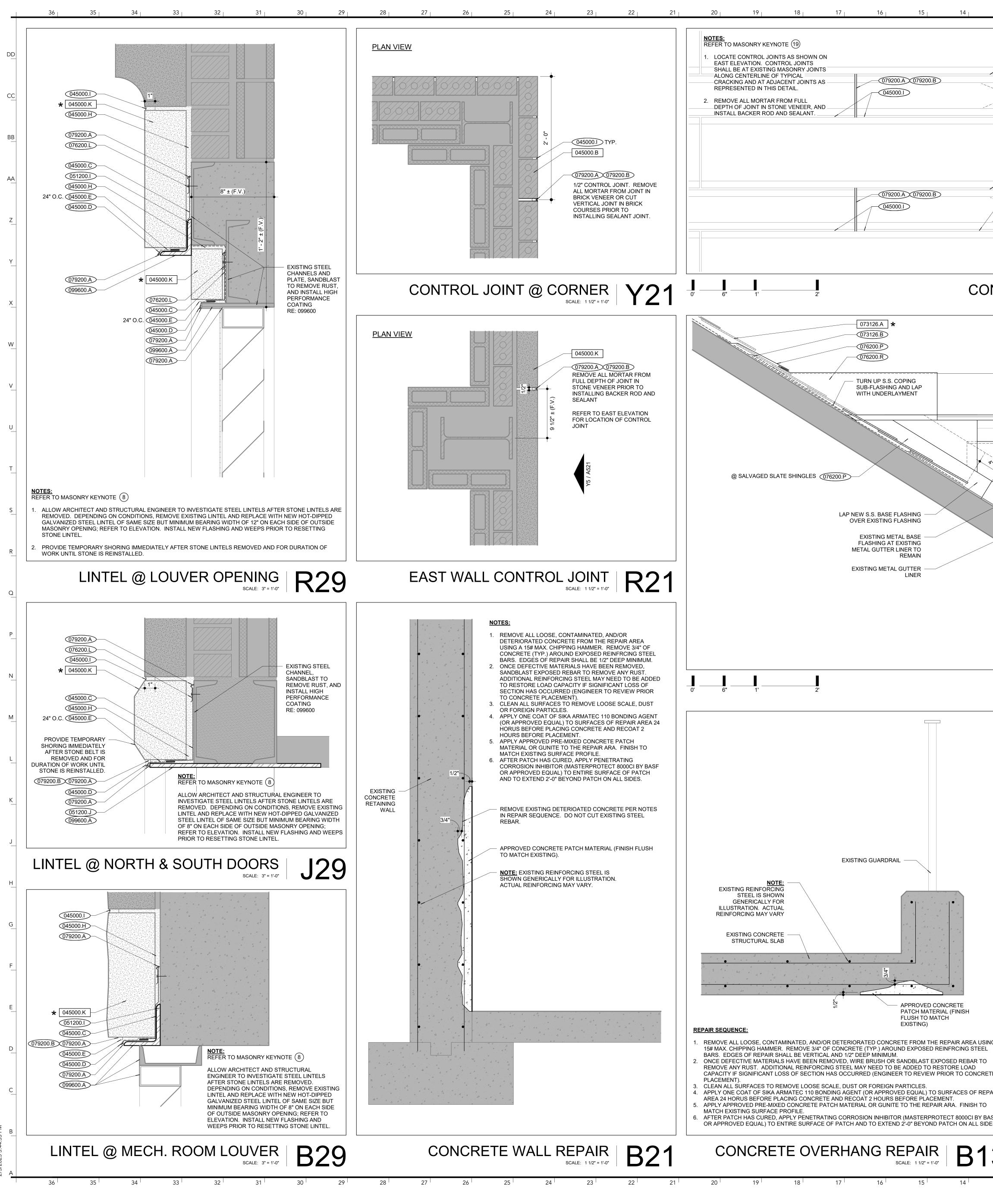


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	DIVISION 05METALS051200.IHOT-DIPPED GALV. STEEL LINTEL ANGLE051200.JHOT-DIPPED GALV. STEEL LINTEL PLATE	U
076200.Q REGLET INTO HORIZONTAL MORTAR JOINTS INSTALL BACKER ROD AND SEALANT.		T
2" MIN. LAP, TYP.	DIVISION 06 WOOD, PLASTICS + COMPOSITES	S
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STEP FLASHING DTL. N5	076200.LTERMINATION BAR076200.PS.S. BASE FLASHING076200.QS.S. STEP FLASHING076200.RS.S. COPING FLASHING	N
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	DIVISION 09 099600.A EXTERIOR HIGH PERFORMANCE COATING	
	DIVISION 10 SPECIALTIES DIVISION 11 EQUIPMENT DIVISION 12 FURNISHINGS	K
	DIVISION 14 CONVEYING EQUIPMENT DIVISION 22 PLUMBING DIVISION 23 HVAC	J
	DIVISION 26 ELECTRICAL DIVISION 31 EARTHWORK DIVISION 32 EXTERIOR IMPROVEMENTS	
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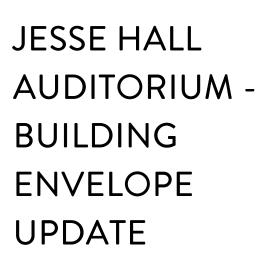
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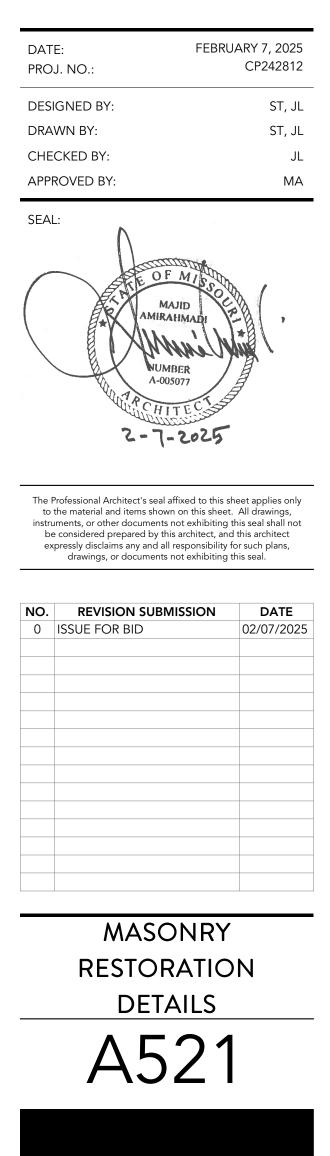
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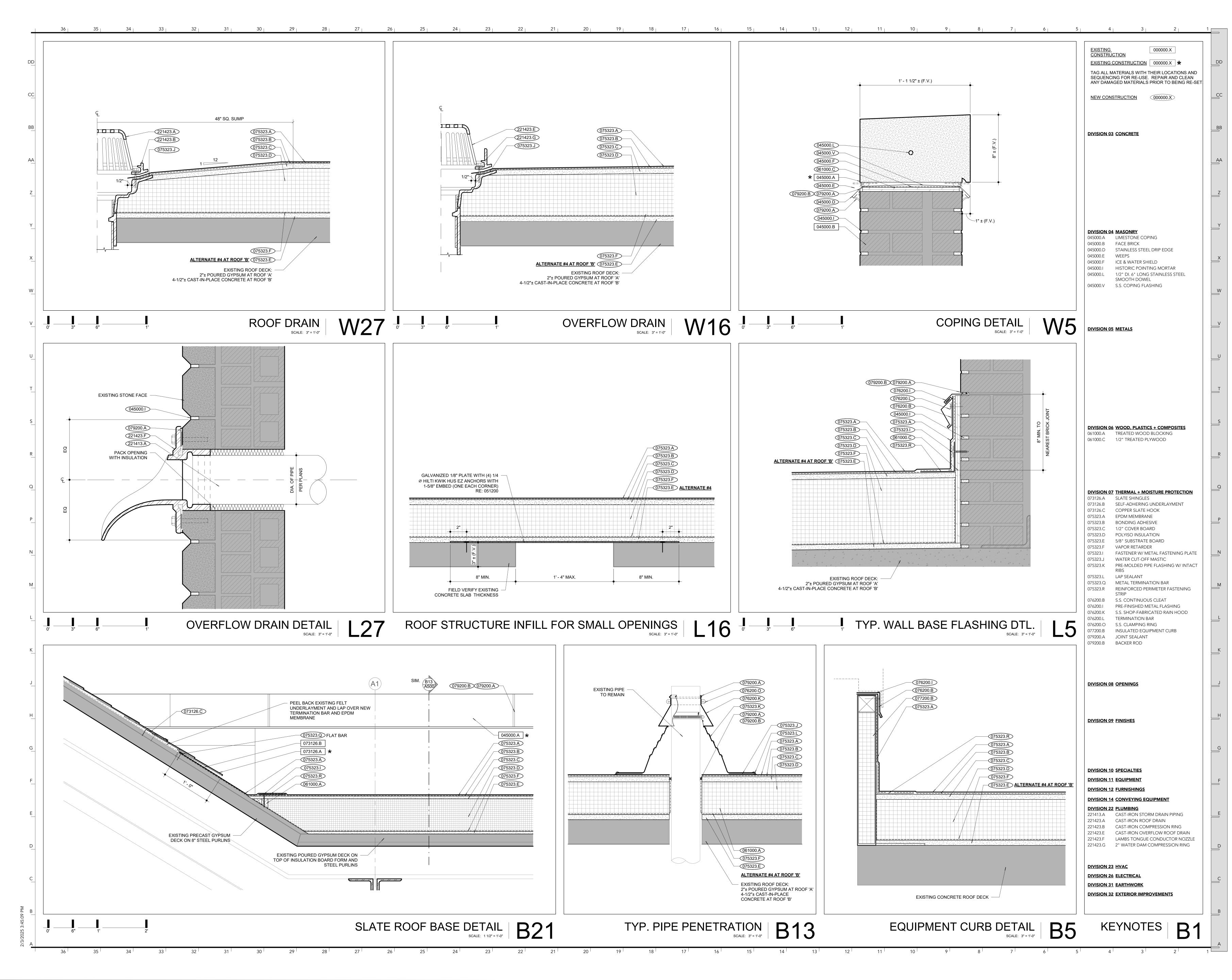


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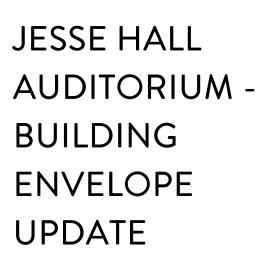
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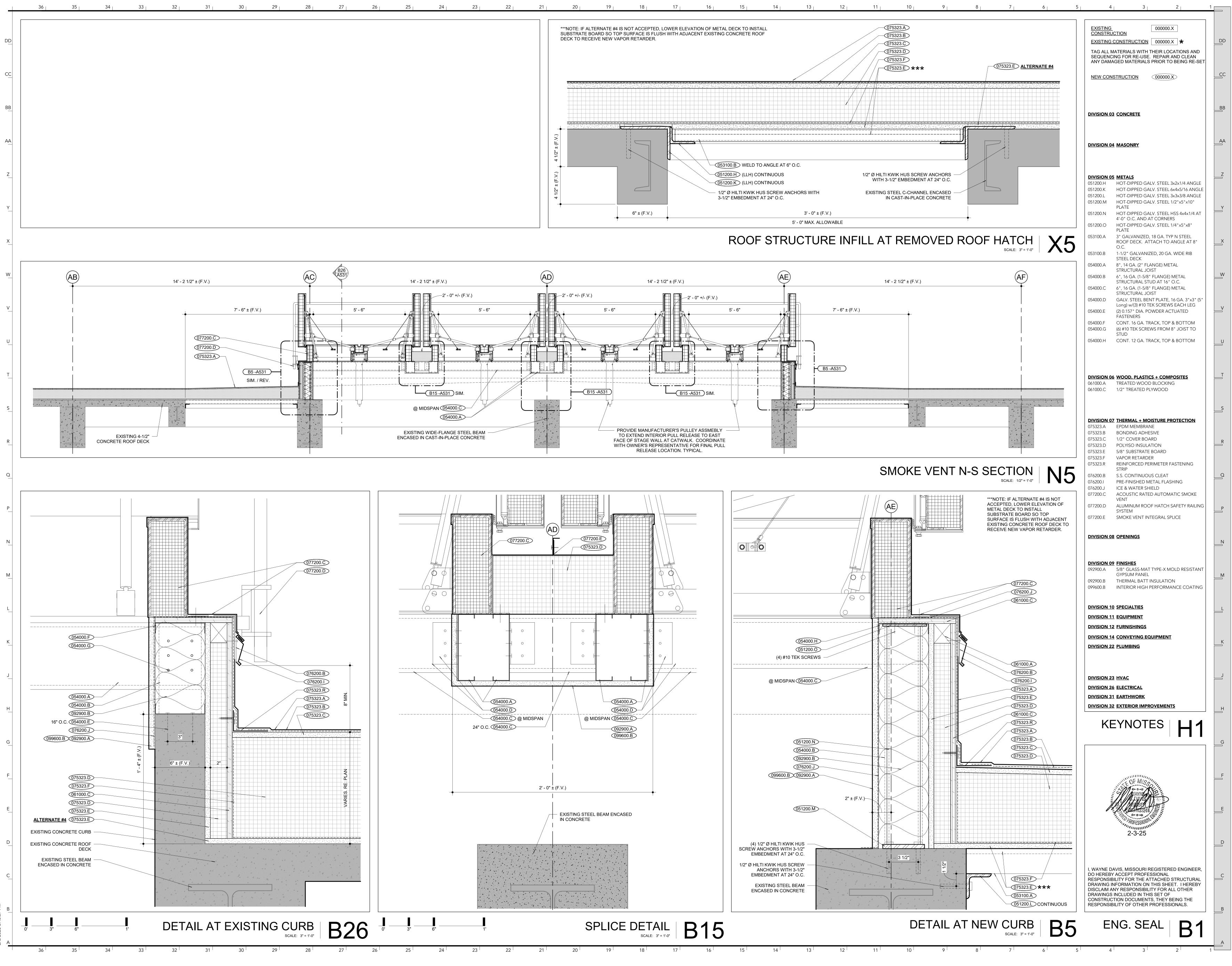


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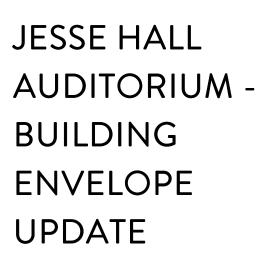
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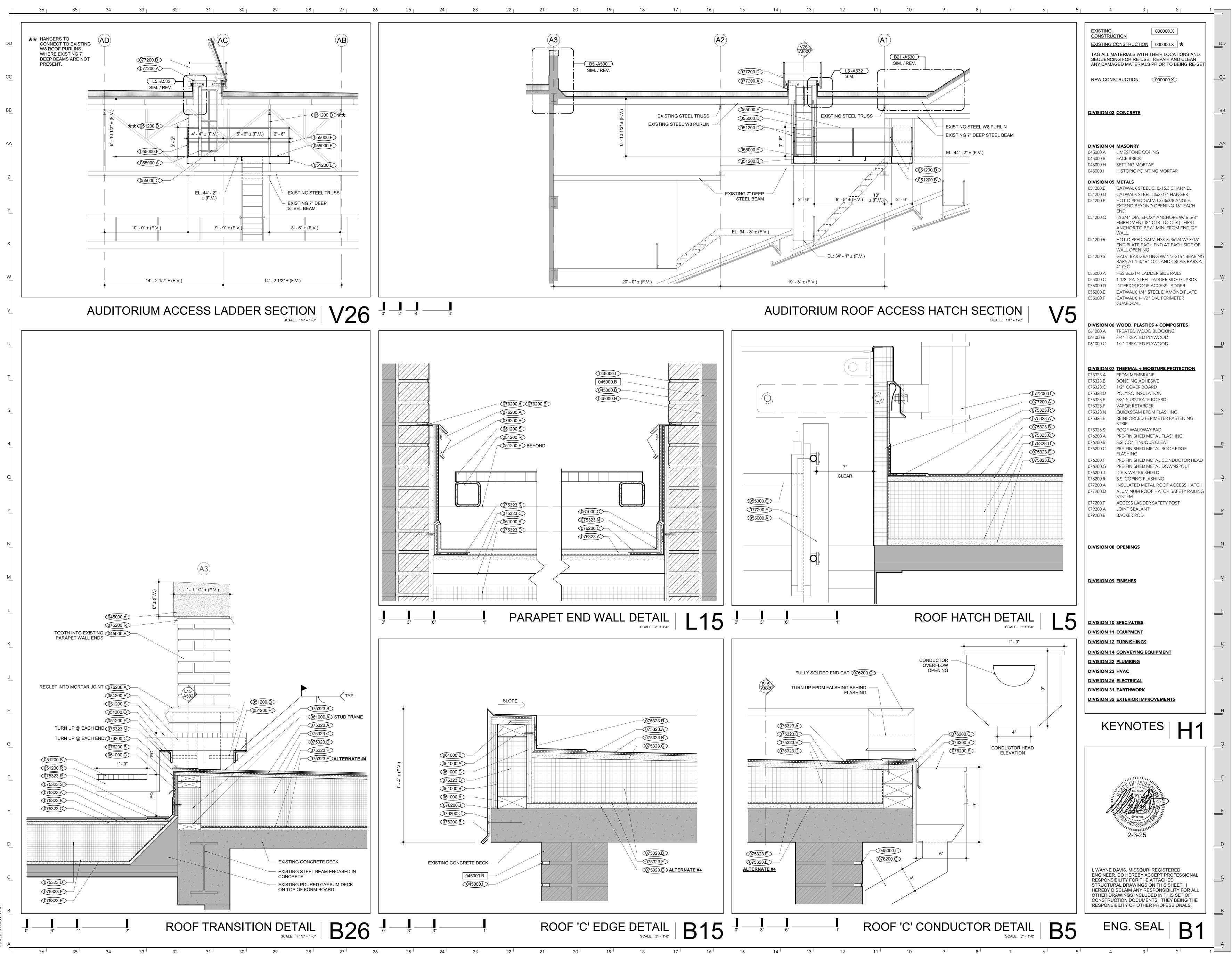


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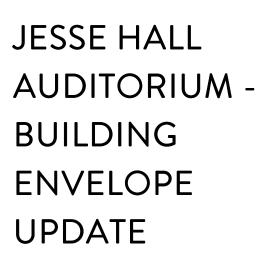
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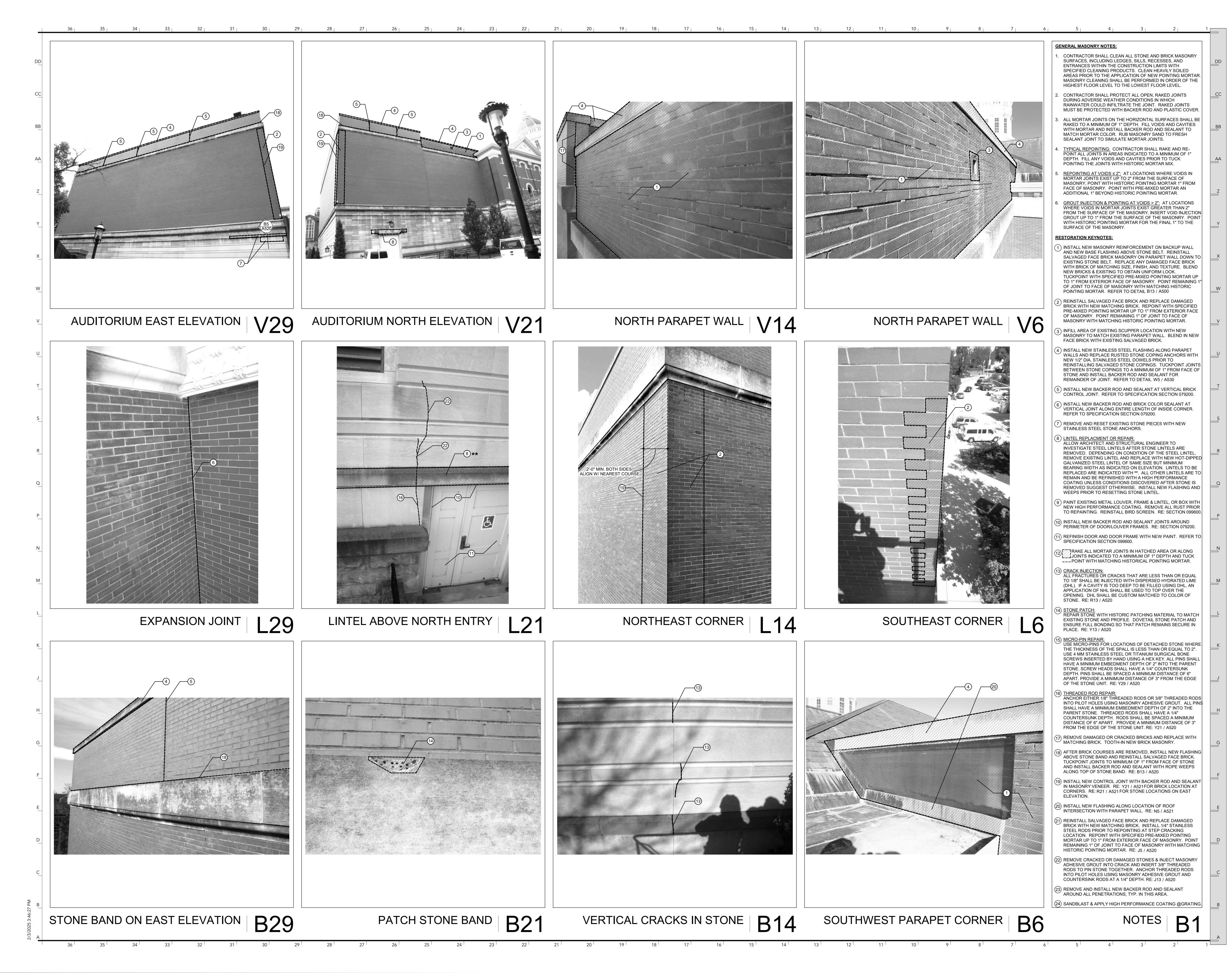


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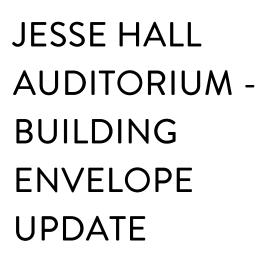
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STRUCTURAL CONSULTANT BOB D. CAMPBELL & CO. 4338 BELLEVIEW AVE. KANSAS CITY, MO 64111 PH: 816.531.4144



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

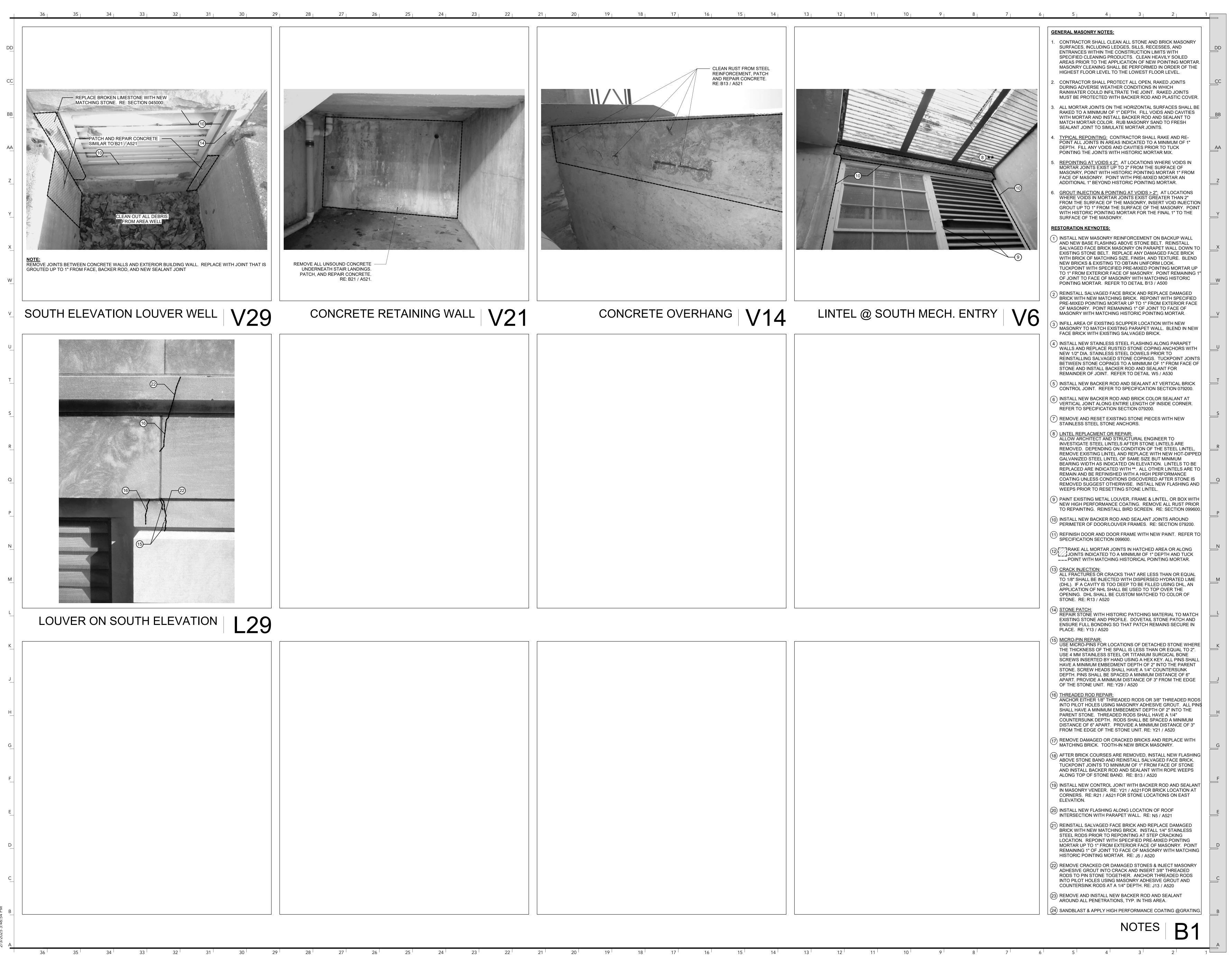


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801 Conley Avenue Columbia, MO 65211

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							GENERAL MASONRY NOTES: 1. CONTRACTOR SHALL CLEAN ALL STONE AND BRICK MASONRY SURFACES, INCLUDING LEDGES, SILLS, RECESSES, AND ENTRANCES WITHIN THE CONSTRUCTION LIMITS WITH SPECIFIED CLEANING PRODUCTS. CLEAN HEAVILY SOILED AREAS PRIOR TO THE APPLICATION OF NEW POINTING MORTAR. MASONRY CLEANING SHALL BE PERFORMED IN ORDER OF THE HIGHEST FLOOR LEVEL TO THE LOWEST FLOOR LEVEL.
							2. CONTRACTOR SHALL PROTECT ALL OPEN, RAKED JOINTS DURING ADVERSE WEATHER CONDITIONS IN WHICH RAINWATER COULD INFILTRATE THE JOINT. RAKED JOINTS MUST BE PROTECTED WITH BACKER ROD AND PLASTIC COVER.
							3. ALL MORTAR JOINTS ON THE HORIZONTAL SURFACES SHALL BE RAKED TO A MINIMUM OF 1" DEPTH. FILL VOIDS AND CAVITIES WITH MORTAR AND INSTALL BACKER ROD AND SEALANT TO MATCH MORTAR COLOR. RUB MASONRY SAND TO FRESH SEALANT JOINT TO SIMULATE MORTAR JOINTS.
					8 **		4. <u>TYPICAL REPOINTING:</u> CONTRACTOR SHALL RAKE AND RE- POINT ALL JOINTS IN AREAS INDICATED TO A MINIMUM OF 1" DEPTH. FILL ANY VOIDS AND CAVITIES PRIOR TO TUCK POINTING THE JOINTS WITH HISTORIC MORTAR MIX.
		0				-(10)	5. <u>REPOINTING AT VOIDS ≤ 2":</u> AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST UP TO 2" FROM THE SURFACE OF MASONRY, POINT WITH HISTORIC POINTING MORTAR 1" FROM FACE OF MASONRY. POINT WITH PRE-MIXED MORTAR AN ADDITIONAL 1" BEYOND HISTORIC POINTING MORTAR.
							6. <u>GROUT INJECTION & POINTING AT VOIDS > 2":</u> AT LOCATIONS WHERE VOIDS IN MORTAR JOINTS EXIST GREATER THAN 2" FROM THE SURFACE OF THE MASONRY, INSERT VOID INJECTION GROUT UP TO 1" FROM THE SURFACE OF THE MASONRY. POINT WITH HISTORIC POINTING MORTAR FOR THE FINAL 1" TO THE SURFACE OF THE MASONRY. <u>RESTORATION KEYNOTES:</u>
							1 INSTALL NEW MASONRY REINFORCEMENT ON BACKUP WALL AND NEW BASE FLASHING ABOVE STONE BELT. REINSTALL SALVAGED FACE BRICK MASONRY ON PARAPET WALL DOWN TO EXISTING STONE BELT. REPLACE ANY DAMAGED FACE BRICK WITH BRICK OF MATCHING SIZE, FINISH, AND TEXTURE. BLEND NEW BRICKS & EXISTING TO OBTAIN UNIFORM LOOK. TUCKPOINT WITH SPECIFIED PRE-MIXED POINTING MORTAR UP TO 1" FROM EXTERIOR FACE OF MASONRY. POINT REMAINING 1" OF JOINT TO FACE OF MASONRY WITH MATCHING HISTORIC POINTING MORTAR. REFER TO DETAIL B13 / A500
							2 REINSTALL SALVAGED FACE BRICK AND REPLACE DAMAGED BRICK WITH NEW MATCHING BRICK. REPOINT WITH SPECIFIED
L		@ 50		ECH.	ENIRY	′ V6	MASONRY TO MATCH EXISTING PARAPET WALL. BLEND IN NEW FACE BRICK WITH EXISTING SALVAGED BRICK.
							(4) INSTALL NEW STAINLESS STEEL FLASHING ALONG PARAPET WALLS AND REPLACE RUSTED STONE COPING ANCHORS WITH NEW 1/2" DIA. STAINLESS STEEL DOWELS PRIOR TO REINSTALLING SALVAGED STONE COPINGS. TUCKPOINT JOINTS BETWEEN STONE COPINGS TO A MINIMUM OF 1" FROM FACE OF STONE AND INSTALL BACKER ROD AND SEALANT FOR REMAINDER OF JOINT. REFER TO DETAIL W5 / A530
							(5) INSTALL NEW BACKER ROD AND SEALANT AT VERTICAL BRICK CONTROL JOINT. REFER TO SPECIFICATION SECTION 079200. (6) INSTALL NEW BACKER ROD AND BRICK COLOR SEALANT AT VERTICAL JOINT ALONG ENTIRE LENGTH OF INSIDE CORNER. REFER TO SPECIFICATION SECTION 079200.
							7 REMOVE AND RESET EXISTING STONE PIECES WITH NEW 8 LINTEL REPLACMENT OR REPAIR: ALLOW ARCHITECT AND STRUCTURAL ENGINEER TO
							ALLOW ARCHITECT AND STRUCTORAL ENGINEER TO INVESTIGATE STEEL LINTELS AFTER STONE LINTELS ARE REMOVED. DEPENDING ON CONDITION OF THE STEEL LINTEL, REMOVE EXISTING LINTEL AND REPLACE WITH NEW HOT-DIPPED GALVANIZED STEEL LINTEL OF SAME SIZE BUT MINIMUM BEARING WIDTH AS INDICATED ON ELEVATION. LINTELS TO BE REPLACED ARE INDICATED WITH **. ALL OTHER LINTELS ARE TO REMAIN AND BE REFINISHED WITH A HIGH PERFORMANCE
							COATING UNLESS CONDITIONS DISCOVERED AFTER STONE IS REMOVED SUGGEST OTHERWISE. INSTALL NEW FLASHING AND WEEPS PRIOR TO RESETTING STONE LINTEL. 9 PAINT EXISTING METAL LOUVER, FRAME & LINTEL, OR BOX WITH NEW HIGH PERFORMANCE COATING. REMOVE ALL RUST PRIOR
							TO REPAINTING. REINSTALL BIRD SCREEN. RE: SECTION 099600. 10 INSTALL NEW BACKER ROD AND SEALANT JOINTS AROUND PERIMETER OF DOOR/LOUVER FRAMES. RE: SECTION 079200.
							(11) REFINISH DOOR AND DOOR FRAME WITH NEW PAINT. REFER TO SPECIFICATION SECTION 099600. (12) RAKE ALL MORTAR JOINTS IN HATCHED AREA OR ALONG JOINTS INDICATED TO A MINIMUM OF 1" DEPTH AND TUCK POINT WITH MATCHING HISTORICAL POINTING MORTAR.
							(13) <u>CRACK INJECTION:</u> ALL FRACTURES OR CRACKS THAT ARE LESS THAN OR EQUAL TO 1/8" SHALL BE INJECTED WITH DISPERSED HYDRATED LIME (DHL). IF A CAVITY IS TOO DEEP TO BE FILLED USING DHL, AN APPLICATION OF NHL SHALL BE USED TO TOP OVER THE OPENING. DHL SHALL BE CUSTOM MATCHED TO COLOR OF STONE. RE: R13 / A520
							STONE PATCH: REPAIR STONE WITH HISTORIC PATCHING MATERIAL TO MATCH EXISTING STONE AND PROFILE. DOVETAIL STONE PATCH AND ENSURE FULL BONDING SO THAT PATCH REMAINS SECURE IN PLACE. RE: Y13 / A520
							(15) <u>MICRO-PIN REPAIR:</u> USE MICRO-PINS FOR LOCATIONS OF DETACHED STONE WHERE THE THICKNESS OF THE SPALL IS LESS THAN OR EQUAL TO 2". USE 4 MM STAINLESS STEEL OR TITANIUM SURGICAL BONE SCREWS INSERTED BY HAND USING A HEX KEY. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. SCREW HEADS SHALL HAVE A 1/4" COUNTERSUNK
							DEPTH. PINS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: Y29 / A520 16 THREADED ROD REPAIR: ANCHOR EITHER 1/8" THREADED RODS OR 3/8" THREADED RODS
							INTO PILOT HOLES USING MASONRY ADHESIVE GROUT. ALL PINS SHALL HAVE A MINIMUM EMBEDMENT DEPTH OF 2" INTO THE PARENT STONE. THREADED RODS SHALL HAVE A 1/4" COUNTERSUNK DEPTH. RODS SHALL BE SPACED A MINIMUM DISTANCE OF 6" APART. PROVIDE A MINIMUM DISTANCE OF 3" FROM THE EDGE OF THE STONE UNIT. RE: Y21 / A520
							Image: The second se
							TUCKPOINT JOINTS TO MINIMUM OF 1" FROM FACE OF STONE AND INSTALL BACKER ROD AND SEALANT WITH ROPE WEEPS ALONG TOP OF STONE BAND. RE: B13 / A520 (19) INSTALL NEW CONTROL JOINT WITH BACKER ROD AND SEALANT IN MASONRY VENEER. RE: Y21 / A521FOR BRICK LOCATION AT
							CORNERS. RE: R21 / A521 FOR STONE LOCATIONS ON EAST ELEVATION. (20) INSTALL NEW FLASHING ALONG LOCATION OF ROOF INTERSECTION WITH PARAPET WALL. RE: N5 / A521
							(21) REINSTALL SALVAGED FACE BRICK AND REPLACE DAMAGED BRICK WITH NEW MATCHING BRICK. INSTALL 1/4" STAINLESS STEEL RODS PRIOR TO REPOINTING AT STEP CRACKING LOCATION. REPOINT WITH SPECIFIED PRE-MIXED POINTING MORTAR UP TO 1" FROM EXTERIOR FACE OF MASONRY. POINT REMAINING 1" OF JOINT TO FACE OF MASONRY WITH MATCHING HISTORIC POINTING MORTAR. RE: J5 / A520
							(22) REMOVE CRACKED OR DAMAGED STONES & INJECT MASONRY ADHESIVE GROUT INTO CRACK AND INSERT 3/8" THREADED RODS TO PIN STONE TOGETHER. ANCHOR THREADED RODS INTO PILOT HOLES USING MASONRY ADHESIVE GROUT AND COUNTERSINK RODS AT A 1/4" DEPTH. RE: J13 / A520
							 (23) REMOVE AND INSTALL NEW BACKER ROD AND SEALANT AROUND ALL PENETRATIONS, TYP. IN THIS AREA. (24) SANDBLAST & APPLY HIGH PERFORMANCE COATING @GRATING.
							NOTES B1



MECHANICAL, ELECTRICAL AND FIRE PROTECTION CONSULTANT

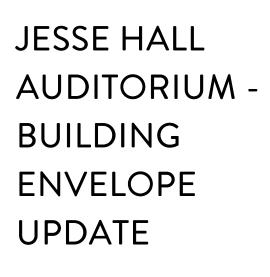
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801 Conley Avenue Columbia, MO 65211

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RESTORATION PHOTOGRAPHS					
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<u>36 35 34 33 32 31 30</u>	29 28 27 26 25 24 23 VIEW KEY	22 21 20 19 18 17 16 MECHANICAL SYMBOL LIST	15 14 13 12 11 10 9 MECHANICAL SYMBOL LIST	8 7 6 5 4 3 2 PIPING GENERAL NOTES:	
DD	NAME - LEVEL NAME 10'-0" - HEIGHT ABOVE NAME - LEVEL NAME 1 - KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION	NOT ALL SYMBOLS MAY APPLY.	NOT ALL SYMBOLS MAY APPLY.	 THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE. PIPE DRAIN LINES FROM EQUIPMENT TO NEAREST FLOOR DRAIN. 	DD 912 BROADWAY BLVD, SUITE 300 KANSAS CITY, MO 6
	ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL	SYMBOL: DESCRIPTION:	SYMBOL: DESCRIPTION: Image: Constant of the product of the produc	3. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.	P: 816 471 6522 F: 816.471.3755 W: I-A-A.C MISSOURI STATE CERTIFICATE OF AUTHORITY #00
c c	INDICATES DIRECTION OF TRUE NORTH PLAN OR DETAIL NUMBER	SOLENOID VALVE CHECK VALVE	T T T T T T T T T T T T T T T T T T T	MECHANICAL GENERAL NOTES:	CC MECHANICAL, ELECTRICAL AND
		SAFETY/RELIEF VALVE		THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.	FIRE PROTECTION CONSULTANT
B B	VORT PLAN OR DETAIL SCALE	PRESSURE REDUCING VALVE (LIQUID/GAS) PRESSURE REDUCING VALVE (STEAM)		 DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., 	BB IMEG IMEG CORP.
		VACUUM BREAKER	XX-Y AIRFLOW MEASUREMENT SYMBOL XX - AHU SYMBOL Y - SEQUENTIAL NUMBER	AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT. 2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM	1600 BALTIMORE KANSAS CITY, MO 64108
AA	SIM IN MULTIPLE LOCATIONS DETAIL REFERRED TO BY SECTION CUT	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP	MECHANICAL SYMBOL LIST	ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES. 3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO	AA PH: 816.842.837
	M101	BASKET STRAINER	NOT ALL SYMBOLS MAY APPLY.	VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING	STRUCTURAL CONSULTANT BOB D. CAMPBELL & CO.
	LINE TYPE AND TAG KEY: NEW WORK BY THIS CONTRACTOR (WIDE LINE)	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB	SYMBOL: DESCRIPTION:	WITH FABRICATION OR EQUIPMENT ORDERS. 4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS	4338 BELLEVIEW AVE. KANSAS CITY, MO 64111 PH: 8816.531.4144
Y	EXISTING TO BE REMOVED (SHORT DASHED PATTERN) Mew UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN) EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)	AUTOMATIC AIR VENT	CWR—CWR—CHILLED WATER RETURN CWS—CWS—CHILLED WATER SUPPLY CHILLED WATER SUPPLY CHILLED WATER SUPPLY	 ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS. 	Y
	EXISTING TO REMAIN OR WORKED FOR THERE (NARROW LINE) ————————————————————————————————————	DRAIN VALVE WITH HOSE CONNECTION AND CAP		 EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY 	
x	HALFTONING DOES NOT MODIFY SCOPE. 'TAG'-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING	PRESSURE SENSOR (FURNISHED WITH BALL VALVE)	HWR— HEATING WATER RETURN HEATING WATER SUPPLY	AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS. 8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS,	
	TAG-1 UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)	LPC LOW PRESSURE CONDENSATE LPS LOW PRESSURE STEAM	 FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE 	
w	INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL	STATIC PRESSURE SWITCH	SV— SAFETY RELIEF VENT PIPE CAP	GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.	w
	CONTRACTOR ABBREVIATION KEY	FLOW SENSOR	PIPE DOWN PIPE UP OR UP/DOWN PIPE IN DIRECTION	 SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE 	ТМ
V_	ABBR: DESCRIPTION: A.C. ASBESTOS ABATEMENT CONTRACTOR		PITCH PIPE IN DIRECTION DIRECTION OF FLOW IN PIPE Image: Directric connection	TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS. 12. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED	FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI
	A.C. ASBESTOS ADATEMENT CONTRACTOR A.V.C. AUDIO/VISUAL CONTRACTOR C.C. CIVIL CONTRACTOR	ANUAL VOLUME DAMPER	UNION/FLANGE SHUTOFF VALVE NORMALLY OPEN	OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT. 13. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND	
U	C.M.CONSTRUCTION MANAGERE.C.ELECTRICAL CONTRACTOR	DROP IN DIRECTION OF AIR FLOW	→→ SHUTOFF VALVE NORMALLY CLOSED →→ THROTTLING VALVE	REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC. 14. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES. 15. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL	
	F.P.C.FIRE PROTECTION CONTRACTORF.S.C.FOOD SERVICE CONTRACTOR	DUCT CAP	BALANCING VALVE (NUMBER INDICATES GPM) AUTOMATIC BALANCING VALVE	EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.	AUDITORIUM - BUILDING
	G.C. GENERAL CONTRACTOR H.C. HEATING CONTRACTOR		MIXING VALVE	16. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED	ENVELOPE
	M.C. MECHANICAL CONTRACTOR N.C.C. NURSE CALL CONTRACTOR P.C. PLUMBING CONTRACTOR	SUPPLY/OUTSIDE AIR DUCT SECTION		ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC. 17. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.	s UPDATE
	S.C. SECURITY CONTRACTOR T.C. TECHNOLOGY CONTRACTOR	RETURN AIR DUCT SECTION		18. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.	
R	T.C.C.TEMPERATURE CONTROLS CONTRACTORV.C.VENTILATION CONTRACTOR	EXHAUST/RELIEF AIR DUCT SECTION 4-WAY DIFFUSER WITH BLANKOFF IN ONE DIRECTION		MECHANICAL RENOVATION NOTES:	R
		SD-1 AIR TERMINAL PROPERTIES SYMBOL 6/115 AIR TERMINAL PROPERTIES SIZE/CFM		THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.	ISSUE FOR BID
Q	MECHANICAL ABBREVIATION KEY ABBR: DESCRIPTION:	H V V HUMIDIFIER OPPOSED BLADE DAMPER (REFER TO SCHEDULE)		 EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS 	
	AD ACCESS DOOR AFF ABOVE FINISHED FLOOR	PARALLEL BLADE DAMPER (REFER TO SCHEDULE) DIFFERENTIAL PRESSURE SENSOR		BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK. 3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS	801 Conley Avenue Columbia, MO 65211
P	BCU BLOWER COIL UNIT C COMMON CO CLEANOUT	 HUMIDISTAT SENSOR HUMIDISTAT / SENSOR (DUCT MOUNTED) 		 EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK. 	P
	CFSD CONTROL/FIRE/SMOKE DAMPER DPG (0-2") DIFFERENTIAL PRESSURE GAUGE (RANGE)	C CARBON MONOXIDE SENSOR C CARBON DIOXIDE SENSOR		 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF 	
N	DPS DIFFERENTIAL PRESSURE SWITCH EA EXHAUST/RELIEF AIR	 O OCCUPANCY SENSOR P PRESSURE SENSOR/MONITOR 		CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.	<u>N</u>
	ECFSD EXISTING CONTROL FIRE SMOKE DAMPER EFD EXISTING FIRE DAMPER	P PRESSURE SENSOR (DUCT MOUNTED) THERMOSTAT/SENSOR		7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL	DATE: FEBRUARY 7, 202 PROJ. NO.: CP24281
M	EFSD EXISTING FIRE SMOKE DAMPER EP ELECTRICAL TO PNEUMATIC VALVE	T TEMPERATURE SENSOR (DUCT MOUNTED)		SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK. 8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.	M DESIGNED BY: SG DRAWN BY: SG
	ESD EXISTING SMOKE DAMPER FD FIRE DAMPER			 OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED. 	CHECKED BY: SG APPROVED BY: SG
	FOB FLAT ON BOTTOM FOT FLAT ON TOP			10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.	SEAL:
κ	FSD FIRE/SMOKE DAMPER MA MIXED AIR MV MIXING VALVE			11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.	K PHILLIP
	N.C. NORMALLY CLOSED NIC NOT IN CONTRACT				I. PARRA NUMBER E-28366
L	N.O. NORMALLY OPEN OA OUTSIDE AIR			VENTILATION GENERAL NOTES: 1. UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6 FEET IN	J Drugan Annun
	PS PRESSURE SWITCH RA RETURN AIR SA SUPPLY AIR			LENGTH, IN WHICH CASE THE BRANCH DUCT SHALL BE SIZED AT A PRESSURE DROP OF 0.07" W.C. PER 100' OF DUCTWORK. 2. PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT. 3. EXISTING AIR INLET AND OUTLET CFM SHOWN ON DRAWINGS ARE FROM EXISTING	
H	SCCR SHORT CIRCUIT CURRENT RATING SD SMOKE DAMPER			DRAWINGS, AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL USE PRE-BALANCE VALUES, AND NOT EXISTING CFM SHOWN ON DRAWINGS. 4. CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRESSURE	H The Professional Engineer's seal affixed to this sheet applies only the material and items shown on this sheet. All drawings,
	TABTERMINAL AIR BOXTDTRANSFER DUCT			CLASSES ARE CORRECT, DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK. 5. CLEAN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK UPSTREAM OF ALL NEW	instruments, or other documents not exhibiting this seal shall not t considered prepared by this engineer, and this engineer express disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.
G	TYPTYPICALUC-1DOOR UNDERCUT BY OTHERS (1" TYPICAL)			CONNECTIONS PER SPECIFICATION SECTION 23 31 00.	G NO. REVISION SUBMISSION DATE
	UON UNLESS OTHERWISE NOTED				0 ISSUE FOR BID 02/07/202
F					F
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<u>c</u>					HVAC COVERSHEET
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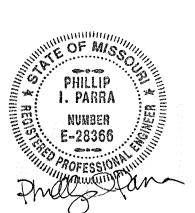






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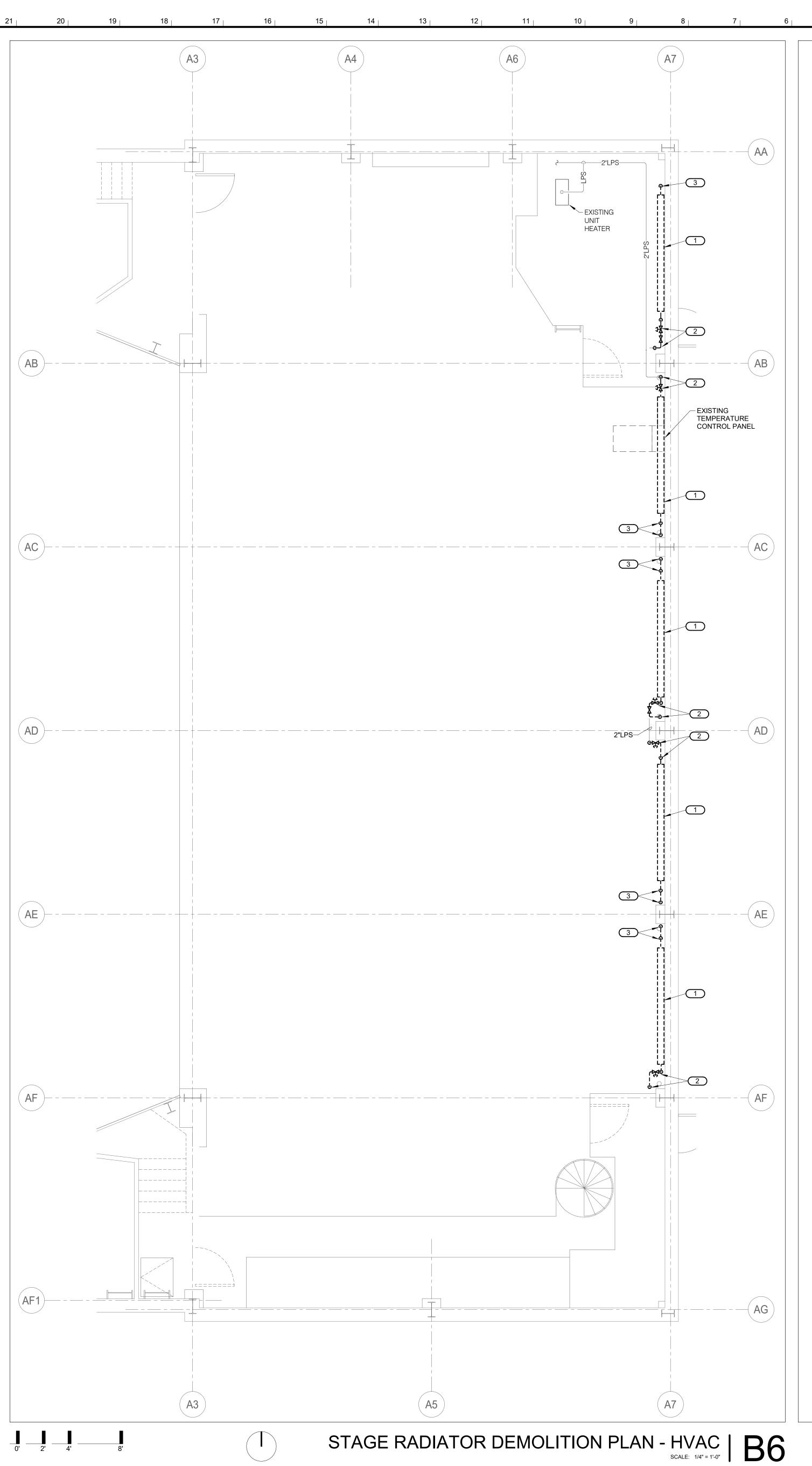


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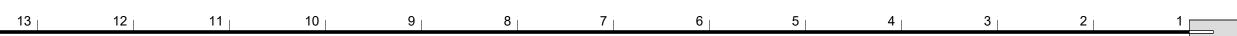
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	1.	SEE SHEET M000 FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
	2.	COORDINATE CAREFULLY WITH EXISTING CONDITIONS.
	3.	ALL WORK ON THIS SHEET IS UNDER ALTERNATE BID 1 ONLY.
r		
	<u>KE</u>	<u>YNOTES:</u>
	2.	DISCONNECT AND REMOVE EXISTING 6 HIGH STACKED RADIATORS AND ASSOCIATED SUPPORT BRACKETS AND CRADLES. DISCONNECT AND REMOVE EXISTING LPS AND LPC PIPING AS REQUIRED FOR RELOCATION AND RECONNECTION OF RADIATOR ASSEMBLIES. SALVAGE AND CLEAN RADIATORS FOR REINSTALLATION. DISCONNECT AND REMOVE EXISTING STEAM
	2.	SUPPLY (LPS) PIPING, CONTROL VALVE AND ASSOCIATED PNEUMATIC TUBING SERVING THE RADIATORS AS REQUIRED FOR RELOCATION AND RECONNECTION OF THE RADIATOR ASSEMBLIES. REMOVE ALL PNEUMATIC TUBING BACK TO TEMPERATURE CONTROL PANEL. DEMO EXISTING STEAM RETURN (LPC) PIPING AT DRIP LEG AND ASSOCIATED STEAM TRAP AND PIPING AS REQUIRED. SALVAGE AND CLEAN EXISTING STEAM TRAP ASSEMBLIES AND ISOLATION VALVES FOR REINSTALLATION.
	3.	DISCONNECT AND REMOVE EXISTING STEAM RETURN (LPC) PIPING AND STEAM TRAP AS REQUIRED FOR RELOCATION OF THE RADIATOR ASSEMBLY. SALVAGE AND CLEAN THE EXISTING STEAM TRAP ASSEMBLY FOR REINSTALLATION.

SHEET NOTES:

NOTES **B1**

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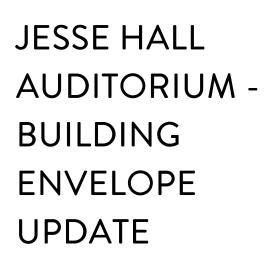
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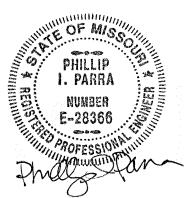


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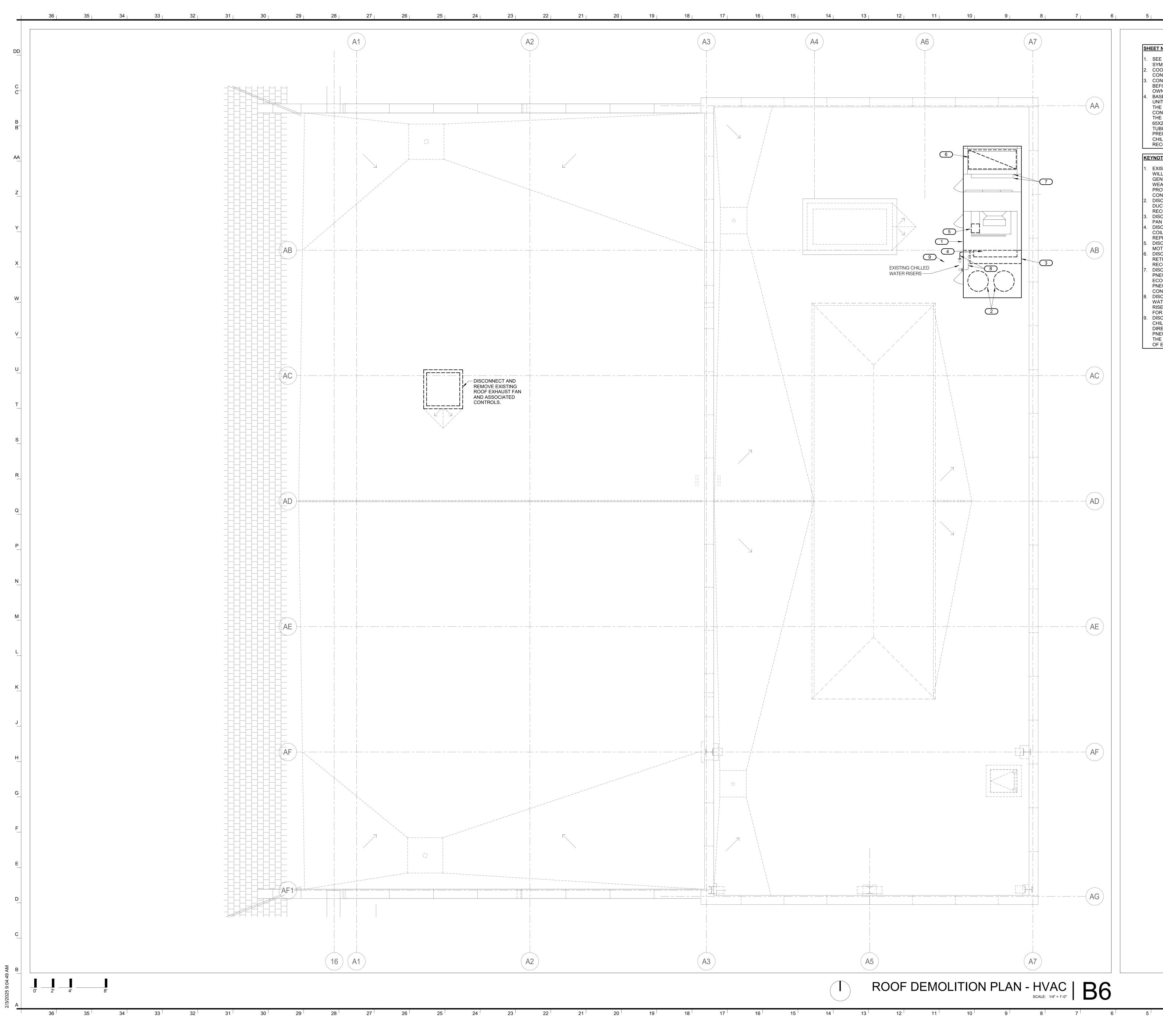
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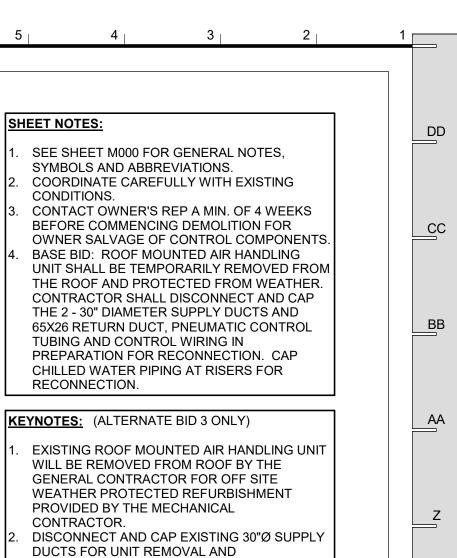
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DUCTS FOR UNIT REMOVAL AND RECONNECTION. DISCONNECT AND REMOVE EXISTING DRAIN PAN AND PREP FOR REPLACEMENT. DISCONNECT AND REMOVE EXISTING COOLING

COIL AND ASSOCIATED PIPING AND PREP FOR REPLACEMENT. DISCONNECT AND REMOVE EXISTING FAN MOTOR AND PREP FOR REPLACEMENT. DISCONNECT AND CAP EXISTING 65x26

RETURN DUCT FOR UNIT REMOVAL AND RECONNECTION. DISCONNECT AND REMOVE EXISTING PNEUMATIC RETURN, MIN. OUTSIDE AIR & ECONOMIZER DAMPER OPERATORS AND ALL PNEUMATIC TUBING TO TEMPERATURE CONTROL PANEL ON THE STAGE BELOW.

DISCONNECT AND REMOVE EXISTING CHILLED WATER PIPING TO COIL AND CAP AT EXISTING RISERS AS REQUIRED TO REMOVE UNIT AND FOR RECONNECTION.

DISCONNECT & REMOVE EXISTING PNEUMATIC CHILLED WATER CONTROL VALVE LOCATED DIRECTLY BELOW ROOF. DEMO ALL PNEUMATIC TUBING FROM VALVE TO TCP ON

THE STAGE BELOW. PREP FOR INSTALLATION OF ELECTRONIC CONTROL VALVE.

KEYNOTES **B1**

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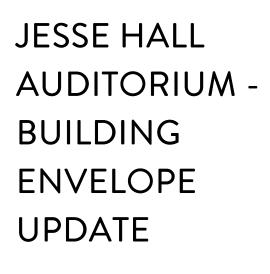
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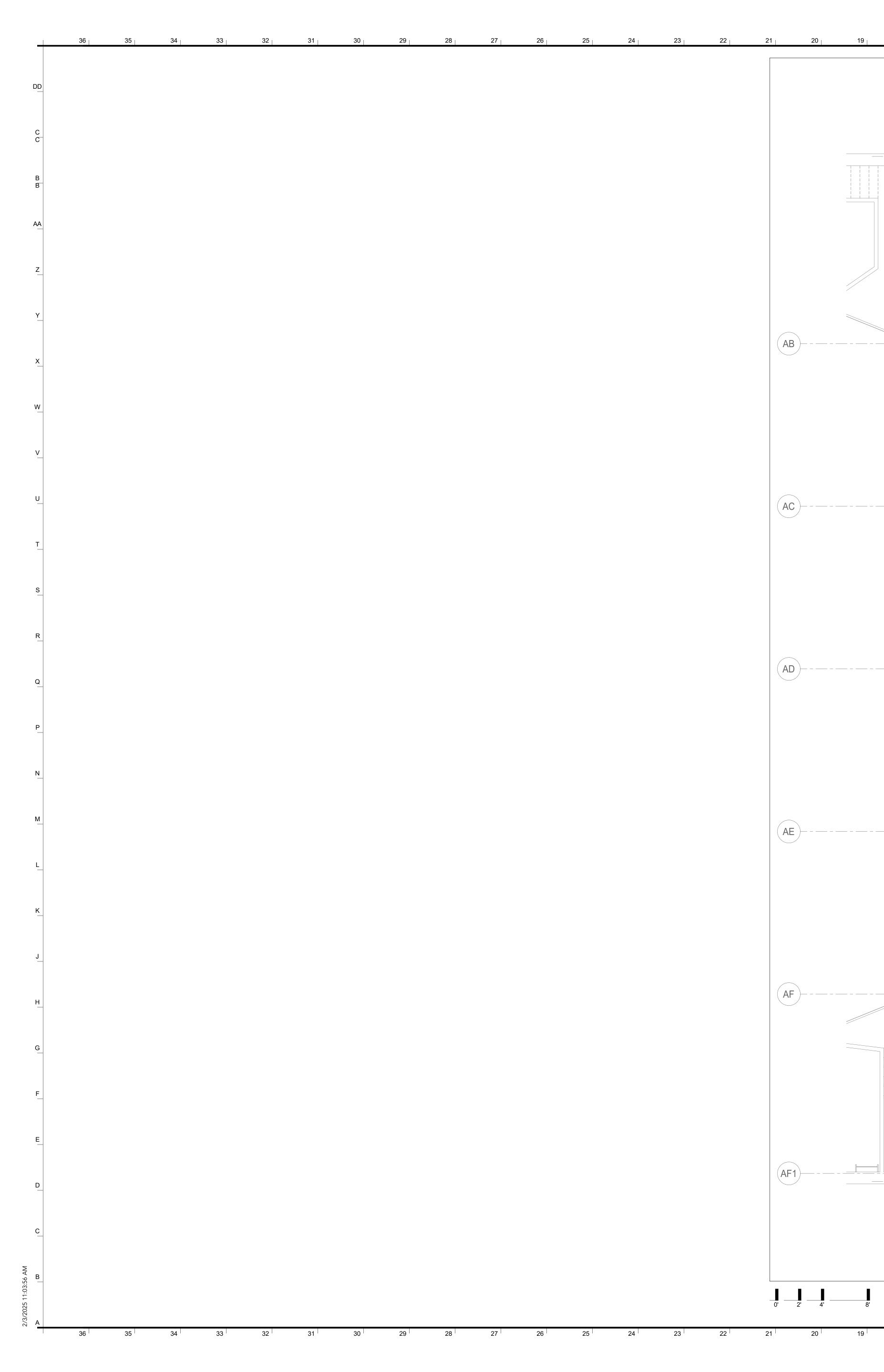
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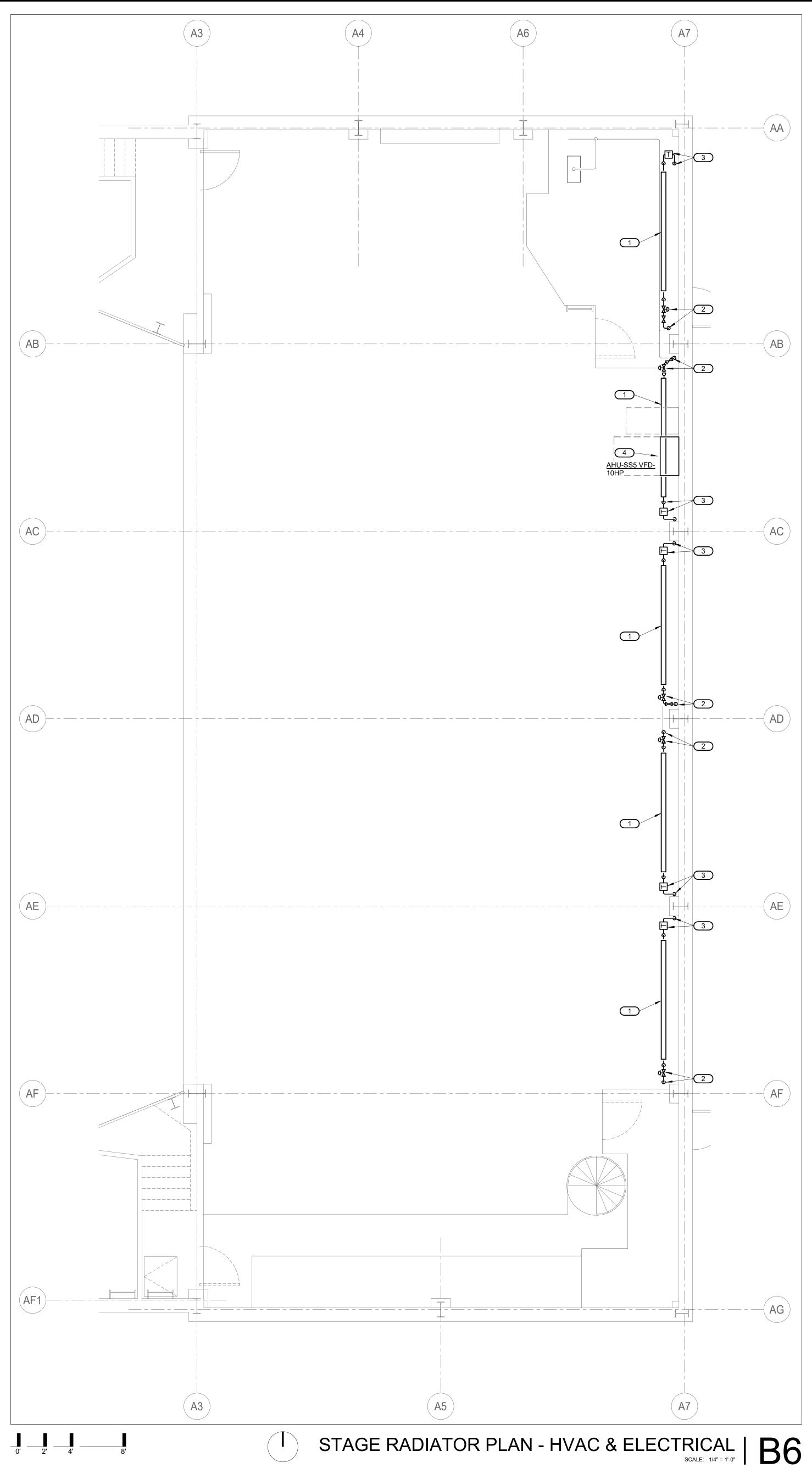
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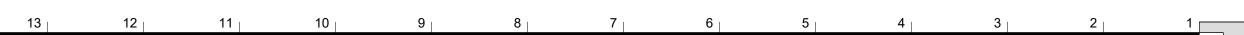


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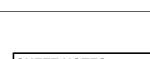


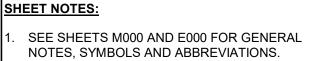




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NOTES, SYMBOLS AND ABBREVIATIONS. COORDINATE CAREFULLY WITH EXISTING CONDITIONS.

KEYNOTES:

BID #3.

REINSTALL RACKED STEAM FINNED TUBE ASSEMBLIES ON NEW STEEL SUPPORT GRID BY OTHERS. FURNISH AND INSTALL NEW SUPPORT BRACKETS AND CRADLES AS REQUIRED. (ALTERNATE BID 1 ONLY) EXTEND NEW STEAM SUPPLY (LPS) PIPING FROM EXISTING 2" RISER TO RELOCATED FINNED TUBE ASSEMBLY W/ISOLATION VALVE, STRAINER & NEW ELECTRONIC CONTROL VALVE. INSTALL SALVAGED STEAM TRAP ASSEMBLY AT BASE OF DROP AND CONNECT TO STEAM RETURN MAIN. INSTALL SALVAGED STEAM TRAP ASSEMBLY AT BASE OF STEAM RETURN (LPC) PIPING RISER FROM FINNED TUBE AND CONNECT TO EXISTING LPC RISER. (ALTERNATE BID 1 ONLY) E.C. SHALL FURNISH NEW ELECTRICAL CONNECTION TO VFD SERVING AHU-S5 LOCATED ON ROOF. PROVIDE NEW 3#10 WIRE AND 1#10 GND IN 3/4" CONDUIT FROM NEW 30-

AMP, 3-POLE CIRCUIT BREAKER FROM 480-VOLT MAIN DISTRIBUTION PANEL IN BASEMENT

ON WEST SIDE OF BUILDING. NEW CIRCUIT BREAKER SHALL BE OF SIMILAR TYPE TO EXISTING CIRCUIT BREAKERS IN DISTRIBUTION

PANEL. REFER TO SHEET E203 FOR MORE

INFORMATION. THIS IS A PART OF ALTERNATE

-(AA)3 1**D**-2 _____ _ _ _ 4 <u>AHU-SS5 VFD-</u> 10HP__ __ __ __ 3 T_o AC $\boxed{1}$ 213 AE (1)AF ======= — - ---(AG)

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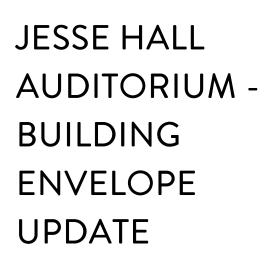
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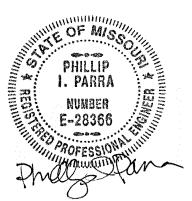


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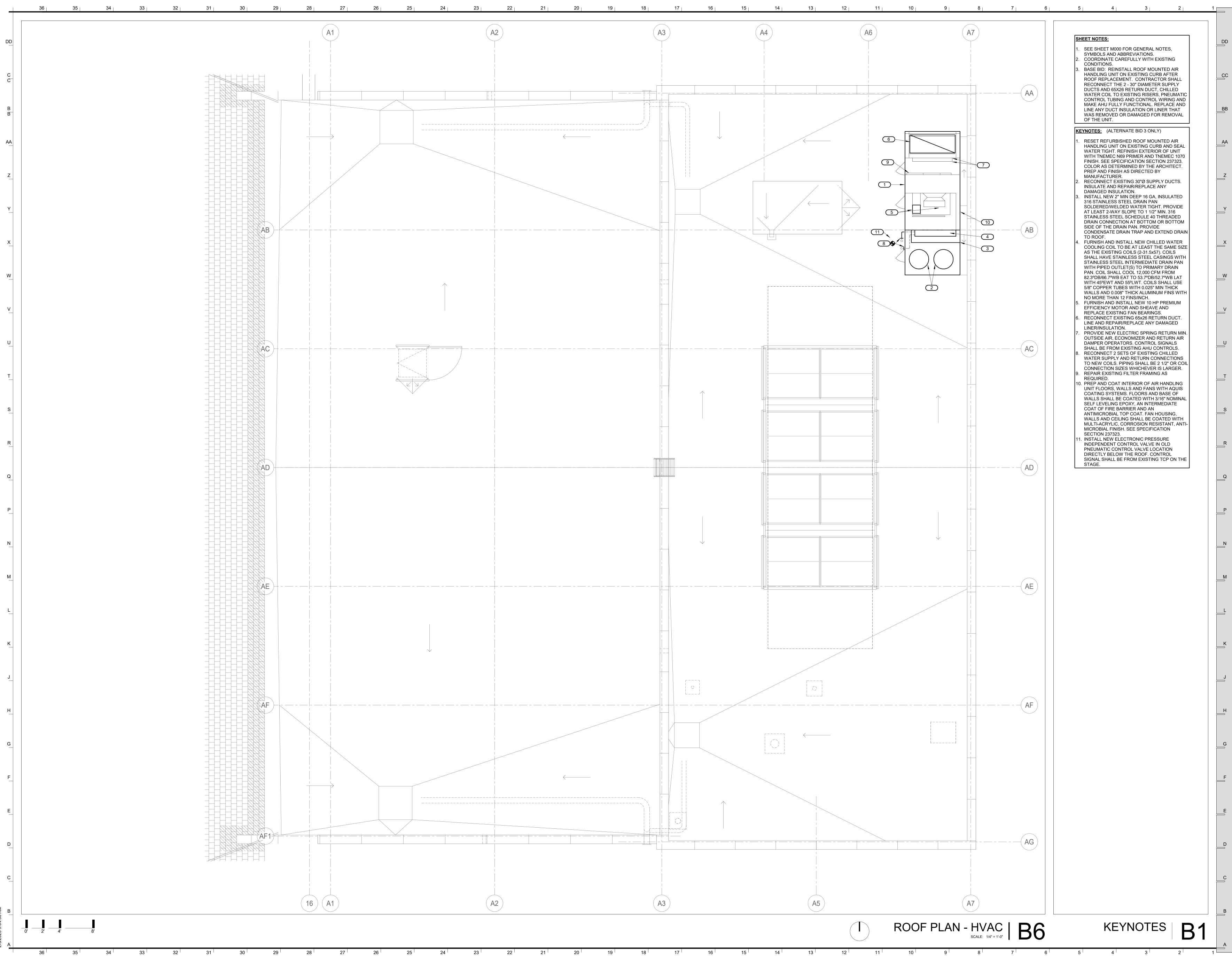
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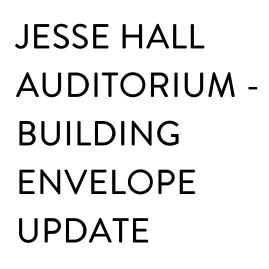
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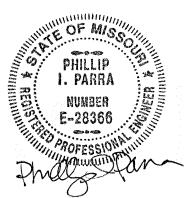


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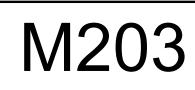


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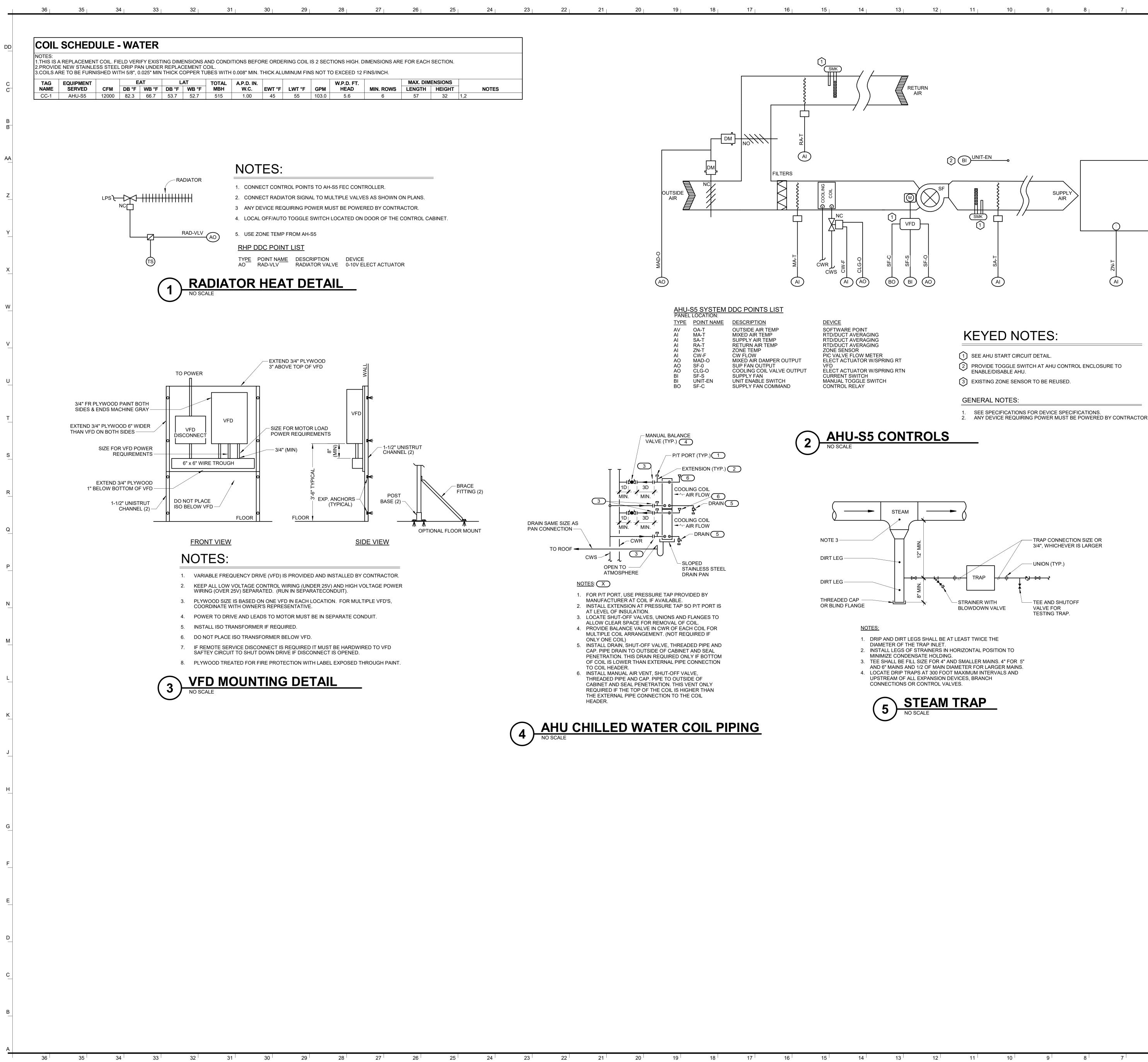
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ROOF PLAN - HVAC



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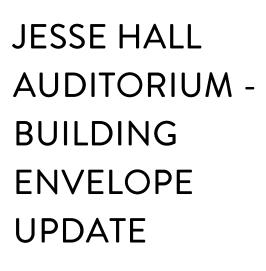
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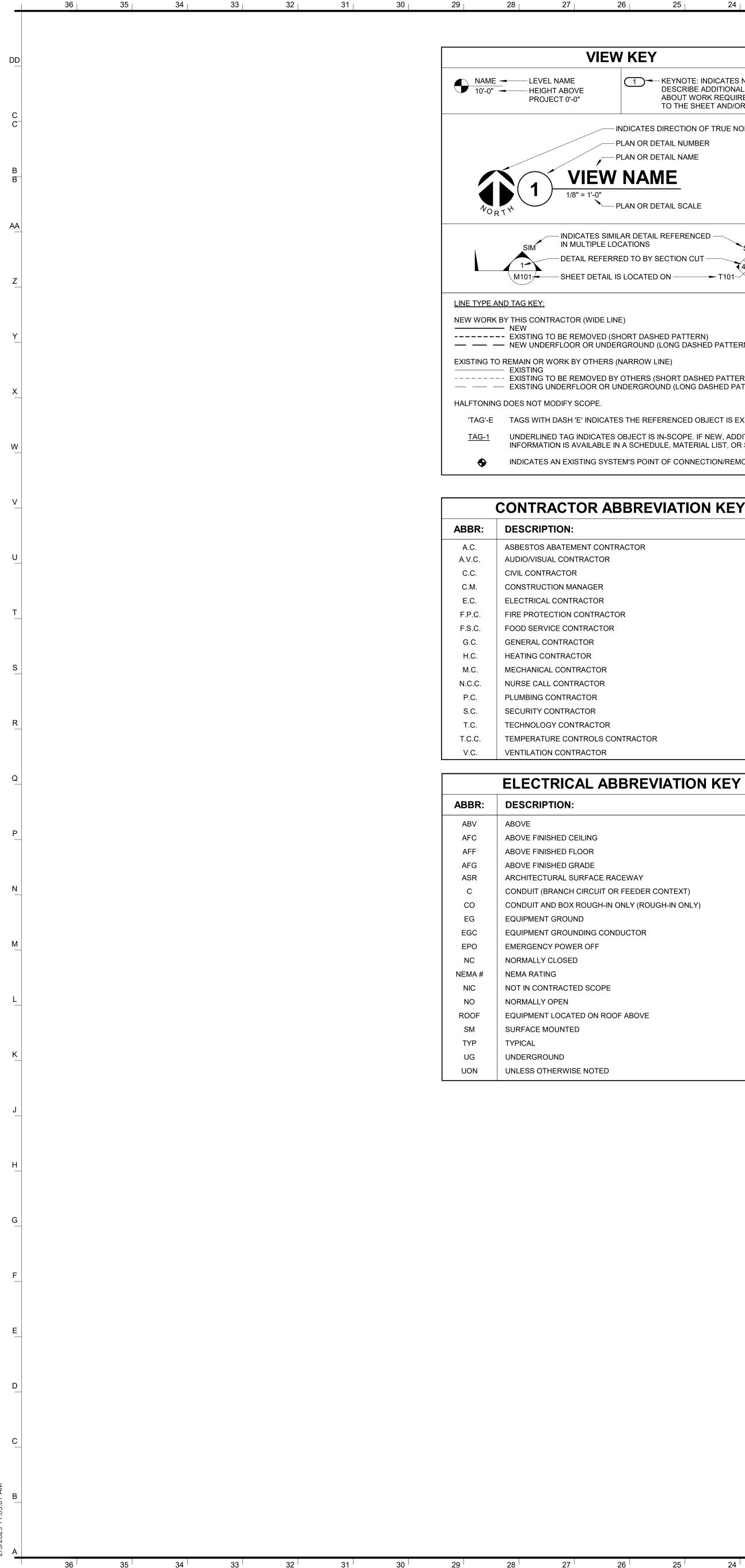
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HVAC DIAGRAMS AND SCHEDULES

M500



26	25	24	23	22	21	20	19	18	17	16	15	14	

,		ELEC	TRICAL	SYMBOL LIST
- KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION	SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL	Ē	ECONN	26 05 33	ELECTRICAL CONNECTION
DIRECTION OF TRUE NORTH	L L	JB	26 05 33	JUNCTION BOX
ETAIL NAME	RI ▼	<u>RI-TECH</u>	26 05 33	TECHNOLOGY OUTLET ROUGH-IN
ЛЕ I	Ê	<u>EPO</u>	26 09 16 26 32 13	EMERGENCY STOP / POWER OFF (N.C. AND N.O CONTACT)
	ES	ES	26 09 16	EMERGENCY STOP, N.C. CONTACT
ETAIL SCALE	РВ	PB	26 09 16	MOMENTARY PUSHBUTTON OPERATOR
		PANEL '###'	26 24 16	PANELBOARD - RECESS MOUNT
		PANEL '###'	26 24 16	PANELBOARD - SURFACE MOUNT
SECTION CUT 4 0 ON T101 - T101		<u>MX-#/MS-#</u> / <u>CB-#/CS-#</u> /MD-#/FS-# / <u>AS-#/SS-#/</u> <u>MCS-#/</u> <u>AMS-#</u>	26 24 19 26 28 16	SURFACE OR RECESS MOUNTED MANUAL SWITCH / STARTER / COMBINATION STARTER/ CIRCUIT BREAKER. MANUAL DISCONNECT / FUSED SWITCH (PLUG FUSE) / AUTOMATIC STARTER / SOLID STATE - SOFT STARTER / COMBINATION STARTER / MOTOR CIRCUIT PROTECTOR / ASSEMBLED MOTOR STARTER. REFER TO DISC/STA SCHEDULE.
HED PATTERN) (LONG DASHED PATTERN)		<u>FCS-#</u>	26 28 16	FUSED COMBINATION STARTER REFER TO DISC/STA STARTER
.INE)	MG	MG	26 24 21	MASTER GROUND STATION MODULE
SHORT DASHED PATTERN) JND (LONG DASHED PATTERN)		<u>TR-#/DTR-#</u>	26 22 00	TRANSFORMER. REFER TO TRANSFORMER SCHEDULE
ERENCED OBJECT IS EXISTING		<u>DS-#/FDS-#/DSS-#</u>	26 28 16	DISCONNECT SWITCH FUSED DISCONNECT SWITCH INTERLOCKED RECEPTACLE DISCONNECT. REFER TO DISC/STA SCHEDULE
IN-SCOPE. IF NEW, ADDITIONAL JLE, MATERIAL LIST, OR SYMBOL LIST	PP	PP	ARCH	PUSH PAD
T OF CONNECTION/REMOVAL		1	1	1
		ELEC		SYMBOL LIST
	SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
		REC-DUP	26 27 26	DUPLEX RECEPTACLE, 125V
		ILC-DUF	202120	DOI LEATLOLI TAOLE, 1200

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REC-DUP-GFI

REC-DUP-WP

REC-QUAD

REC-QUAD-GFI

REC-QUAD-WP

	ELE	CTRICAL	SYMBOL LIST
SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
COMMON AND SEQUENCE OF OPERATION SUBSCRIPTS			SUBSCRIPTS: TYPE / PROGRAMMING WG = WIRE GUARD IS REQUIRED W = WEATHERPROOF A = ATRIUM CA = CLEAN AGENT SYSTEM CR = COMPUTER ROOM E = ELEVATOR RECALL D = HVAC CONTROL DH = DOOR HOLD RELEASE DIPS = DUAL INTERLOCK PREACTION SYS FD = FIRE DOOR RELEASE MP = MEDICAL PROCEDURE S = SLEEPING / PATIENT ROOM SW = STAIRWELL # = 15, 30, 75, 110, 177 CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
	FACP-#	28 31 00	FIRE ALARM CONTROL PANEL
	NAC-#	28 31 00	NOTIFICATION APPLIANCE CIRCUIT PANEL
Ś	<u>FA-122</u>	28 31 00	FIRE ALARM DUCT SMOKE DETECTOR
			# = EQUIP OR SYSTEM
FS	<u>FA-260</u>	28 31 00	FIRE ALARM FLOW SWITCH TO MONITOR SPRINKLER SYSTEM
_			BLANK = REFER TO PLANS
TS	<u>FA-261</u>	28 31 00	FIRE ALARM TAMPER SWITCH TO MONITOR SPRINKLER SYSTEM
			BLANK = REFER TO PLANS
MM	<u>FA-160</u>	28 31 00	FIRE ALARM ADDRESSABLE MONITOR MODULE
			BLANK = REFER TO PLANS
СМ	<u>FA-161</u>	28 31 00	FIRE ALARM ADDRESSABLE CONTROL MODULE
			BLANK = REFER TO PLANS LC = LIGHTING CONTROL OVERRIDE PD = HOLD OPEN OVERRIDE
FSD	<u>FA-250</u>	28 31 00	FIRE ALARM SMOKE OR FIRE/SMOKE DAMPER CONTROL WITH DETECTOR, AND ADDRESSABLE MODULE, AND REMOTE INDICATOR (WITH TEST SWITCH WHEN APPLICABLE)
			# = INDICATES EQUIP OR SYSTEM

26 27 26

26 27 26

26 27 26 DUPLEX GFI RECEPTACLE, 125V

QUAD RECEPTACLE, 125V

QUAD GFI RECEPTACLE, 125V

26 27 26 DUPLEX GFI WEATHERPROOF RECEPTACLE 125V

26 27 26 QUAD GFI WEATHERPROOF RECEPTACLE, 125V

TAG:	DESCRIPTION:	RELATED SPECIFICATION
<u>DP-#</u>	DISTRIBUTION PANEL	26 24 16
<u>DTR-#</u>	TRANSFORMER - DISTRIBUTION TYPE REFER TO TRANSFORMER SCHEDULE	26 12 19 26 12 13 26 12 16 26 12 21
<u>INV-#</u>	LIGHTING INVERTER	26 52 00
<u>MC-#</u>	EXTERIOR MOUNTED METERING CABINET	26 20 00
<u>MX-#</u>	MANUAL SWITCH, REFER TO DISCONNECT AND STARTER SCHEDULE	26 24 19
<u>R-#</u>	RELAY	26 09 39
<u>SB-#</u>	SWITCHBOARD	26 24 13
<u>SG-#</u>	SWITCHGEAR	26 23 00
SPD-#	SURGE PROTECTION DEVICE	26 43 00
<u>VFD-#</u>	VARIABLE FREQUENCY DRIVE - REFER TO VFD SCHEDULE	26 29 23

RECEPTACLE SUBSCRIPT KEY:				
DEVICE KEY	<u>/:</u>			
	# = MOUNTING (IF APPLICABLE) 1 = CIRCUIT NUMBER			
	*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1			
ELECTRICA	L MOUNTING SUBSCRIPT KEY:			
A	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH			
	MOUNT AT CEILING (DEVICE OR ROUGH-IN CONTEXT)			
Н	MOUNT ORIENTED HORIZONTALLY			
-	MOUNT IN CASEWORK			
М	MOUNT IN MODULAR FURNITURE			
	WIRING DEVICE, OCCUPANCY CONTROLLED			
	MOUNT IN SURFACE RACEWAY			
S	SURFACE MOUNTED			
	WEATHERPROOF WIRING DEVICE, NEMA 3R WHILE-IN-USE COVER, WR LISTED			
WG	WIRE GUARD			
WP	WEATHERPROOF			

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BIDDING

ELECTRICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, FIRE ALARM, AND OTHER LOW VOLTAGE SYSTEMS. 1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD

- SURVEYS, EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS. 2. NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
- 3. ELECTRICAL CONTRACTOR SHALL REVIEW EXISTING CONDITIONS TO VERIFY ACCESSIBILITY TO THE AREAS OF THEIR WORK INCLUDING WALLS, FLOOR, CEILINGS, CEILING TILES/GRID. AND ROOF. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CUTTING, REMOVAL, PATCHING, AND REINSTALLATION OF AFFECTED AREAS ASSOCIATED WITH THEIR WORK BY COORDINATING WITH THE GENERAL CONTRACTOR OR QUALIFIED CONTRACTOR. CONTRACTOR SHALL NOTIFY THE PRIME CONTRACTOR OF AFFECTED AREAS PRIOR TO
- 4. WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

ELECTRICAL INSTALLATION NOTES:

- 1. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH
- PHASE 2. EMERGENCY BRANCH WIRING FOR FEEDERS AND BRANCH CIRCUITS SHALL BE ROUTED IN SEPARATE RACEWAY, JUNCTION BOXES, PULL BOXES, AND CABINETS. WIRING FOR EACH BRANCH SHALL BE INDEPENDENT FROM OTHER BRANCHES, INCLUDING THE NORMAL
- BRANCH. 3. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED.
- 4. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED. MOUNT EXTERIOR LOCATED RECEPTACLES WITH WHILE-IN-USE COVERS AT +20" FROM FINISHED GRADE (CENTER DIMENSIONS) TO MAINTAIN INSTALLATION ADA COMPLIANCE.
- 5. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO DIVISION 7 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING. 6. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND
- EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS, CARBON MONOXIDE DETECTORS, AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE. CARBON MONOXIDE DETECTORS SHALL BE LOCATED 10 PLUS FT FROM FIRE PLACES, COOKING, AND SIMILAR FUEL-BURNING APPLIANCES. 7. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT
- LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT. 8. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF,
- OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- 10. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH 11. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY
- AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- 12. ELECTRICAL IDENTIFICATION. REFER TO SPECIFICATION SECTION 26 05 53 FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

	ELECTRICAL SHEET INDEX	
E000	ELECTRICAL COVERSHEET	
E203	ROOF PLAN - POWER AND SYSTEMS	
E300	ELECTRICAL ELEVATION	
E400	ELECTRICAL DETAILS	
E600	ELECTRICAL SCHEDULES	
GRAND TOTAL: 5		



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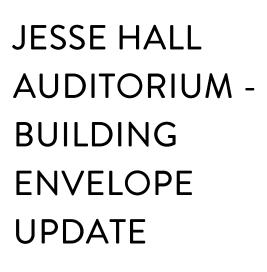
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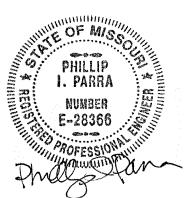


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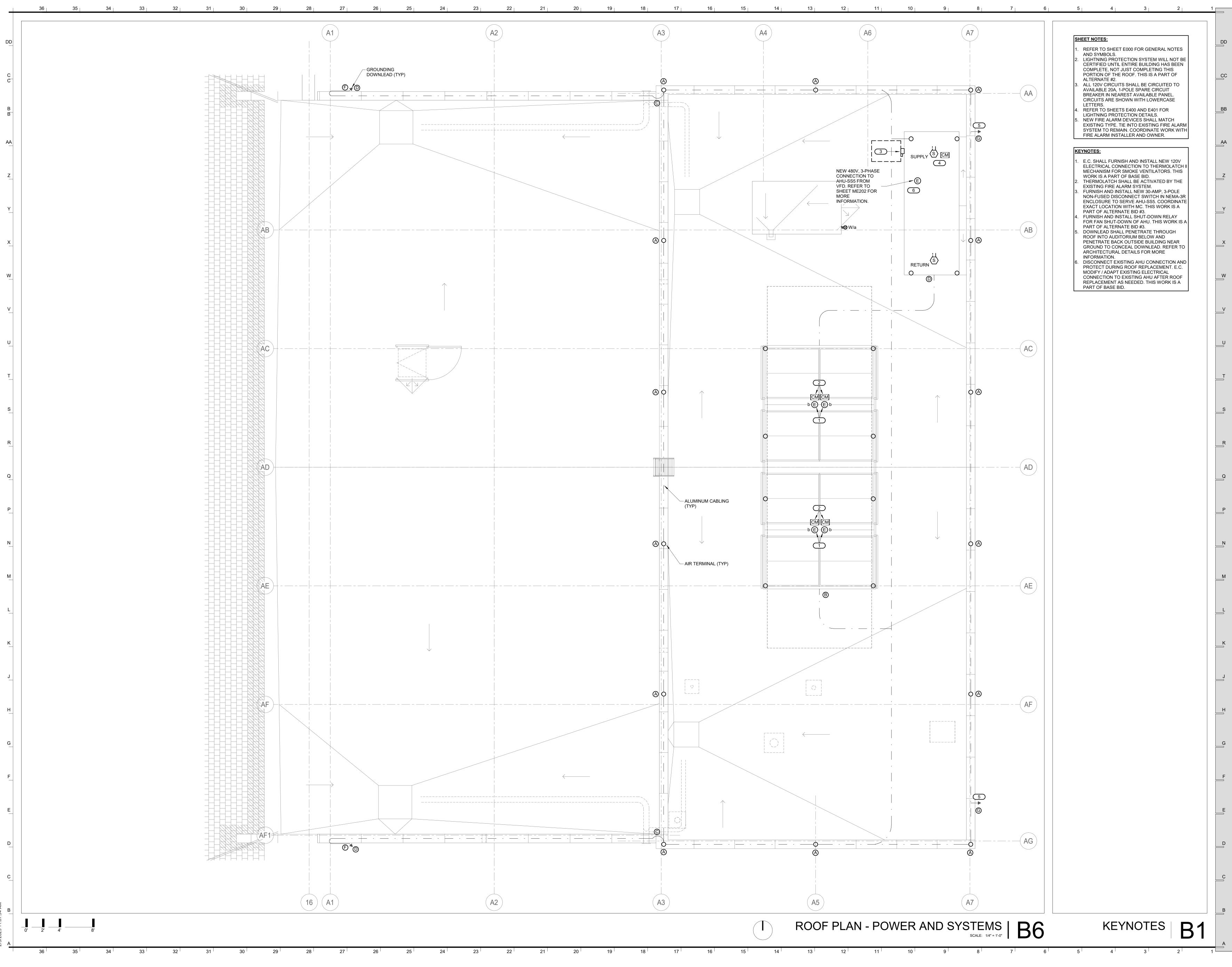
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ELECTRICAL COVERSHEET



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<u>SH</u>	EET NOTES:
1.	REFER TO SHEET E000 FOR GENERAL NOTES
2	AND SYMBOLS. LIGHTNING PROTECTION SYSTEM WILL NOT BE
2.	CERTIFIED UNTIL ENTIRE BUILDING HAS BEEN
	COMPLETE, NOT JUST COMPLETING THIS PORTION OF THE ROOF. THIS IS A PART OF
	ALTERNATE #2.
3.	ALL 120V CIRCUITS SHALL BE CIRCUITED TO
5.	AVAILABLE 20A, 1-POLE SPARE CIRCUIT
	BREAKER IN NEAREST AVAILABLE PANEL.
	CIRCUITS ARE SHOWN WITH LOWERCASE
	LETTERS.
4.	REFER TO SHEETS E400 AND E401 FOR
••	LIGHTNING PROTECTION DETAILS.
5.	NEW FIRE ALARM DEVICES SHALL MATCH
	EXISTING TYPE. TIE INTO EXISTING FIRE ALARM
	SYSTEM TO REMAIN. COORDINATE WORK WITH
	FIRE ALARM INSTALLER AND OWNER.
KE	YNOTES:
1.	E.C. SHALL FURNISH AND INSTALL NEW 120V
	ELECTRICAL CONNECTION TO THERMOLATCH
	MECHANISM FOR SMOKE VENTILATORS. THIS
	WORK IS A PART OF BASE BID.
2.	THERMOLATCH SHALL BE ACTIVATED BY THE
	EXISTING FIRE ALARM SYSTEM.
3.	FURNISH AND INSTALL NEW 30-AMP, 3-POLE
	NON-FUSED DISCONNECT SWITCH IN NEMA-3R
	ENCLOSURE TO SERVE AHU-SS5. COORDINATE
	EXACT LOCATION WITH MC. THIS WORK IS A
	PART OF ALTERNATE BID #3.
4.	FURNISH AND INSTALL SHUT-DOWN RELAY
	FOR FAN SHUT-DOWN OF AHU. THIS WORK IS A
	PART OF ALTERNATE BID #3.
5.	DOWNLEAD SHALL PENETRATE THROUGH
	ROOF INTO AUDITORIUM BELOW AND
	PENETRATE BACK OUTSIDE BUILDING NEAR
	GROUND TO CONCEAL DOWNLEAD. REFER TO
	ARCHITECTURAL DETAILS FOR MORE
	INFORMATION.
6.	DISCONNECT EXISTING AHU CONNECTION AND
	PROTECT DURING ROOF REPLACEMENT. E.C.
	MODIFY / ADAPT EXISTING ELECTRICAL
	CONNECTION TO EXISTING AHU AFTER ROOF
	REPLACEMENT AS NEEDED. THIS WORK IS A



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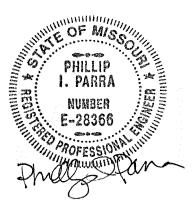


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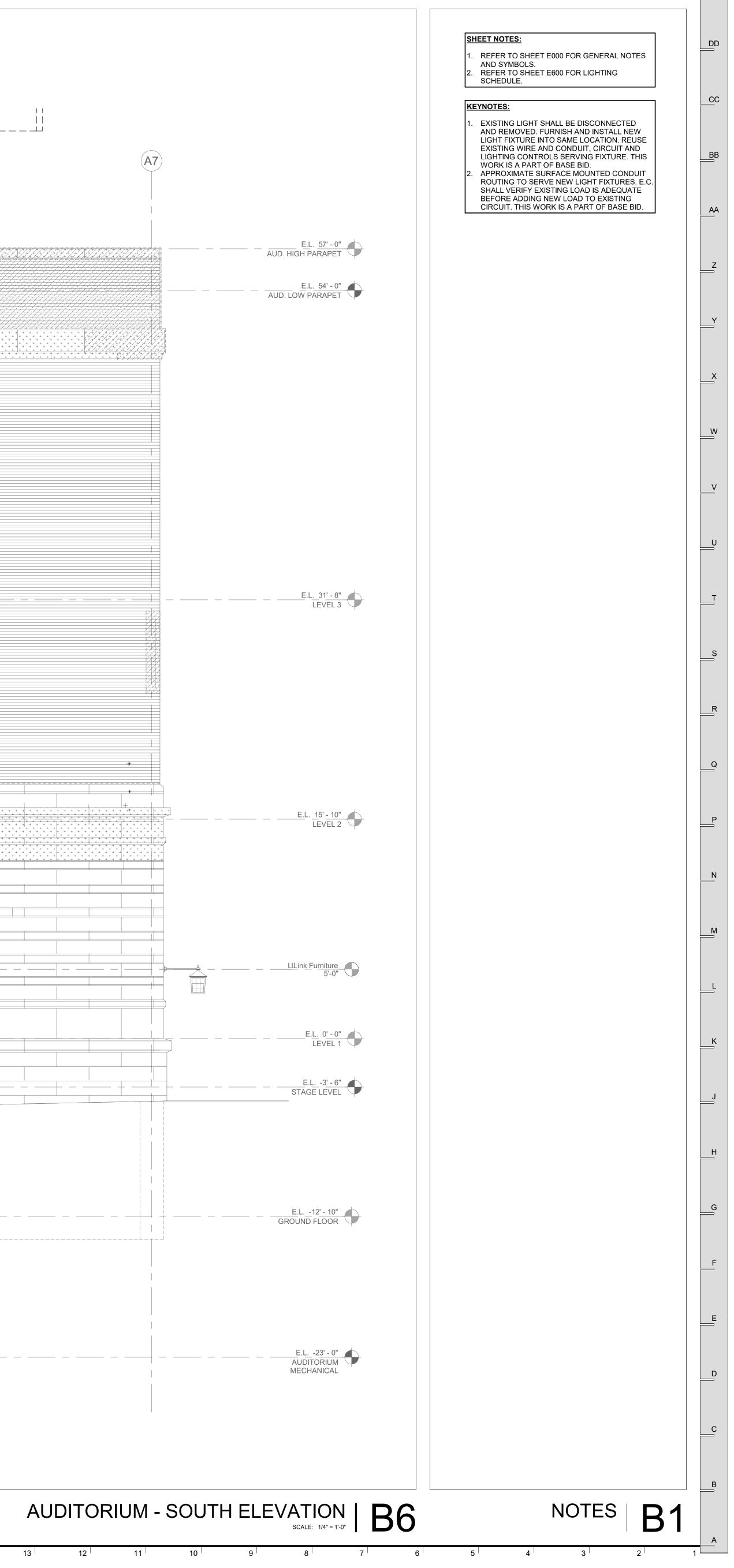
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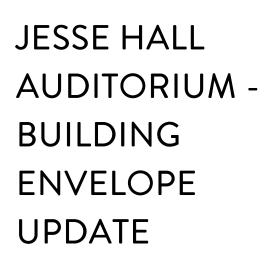
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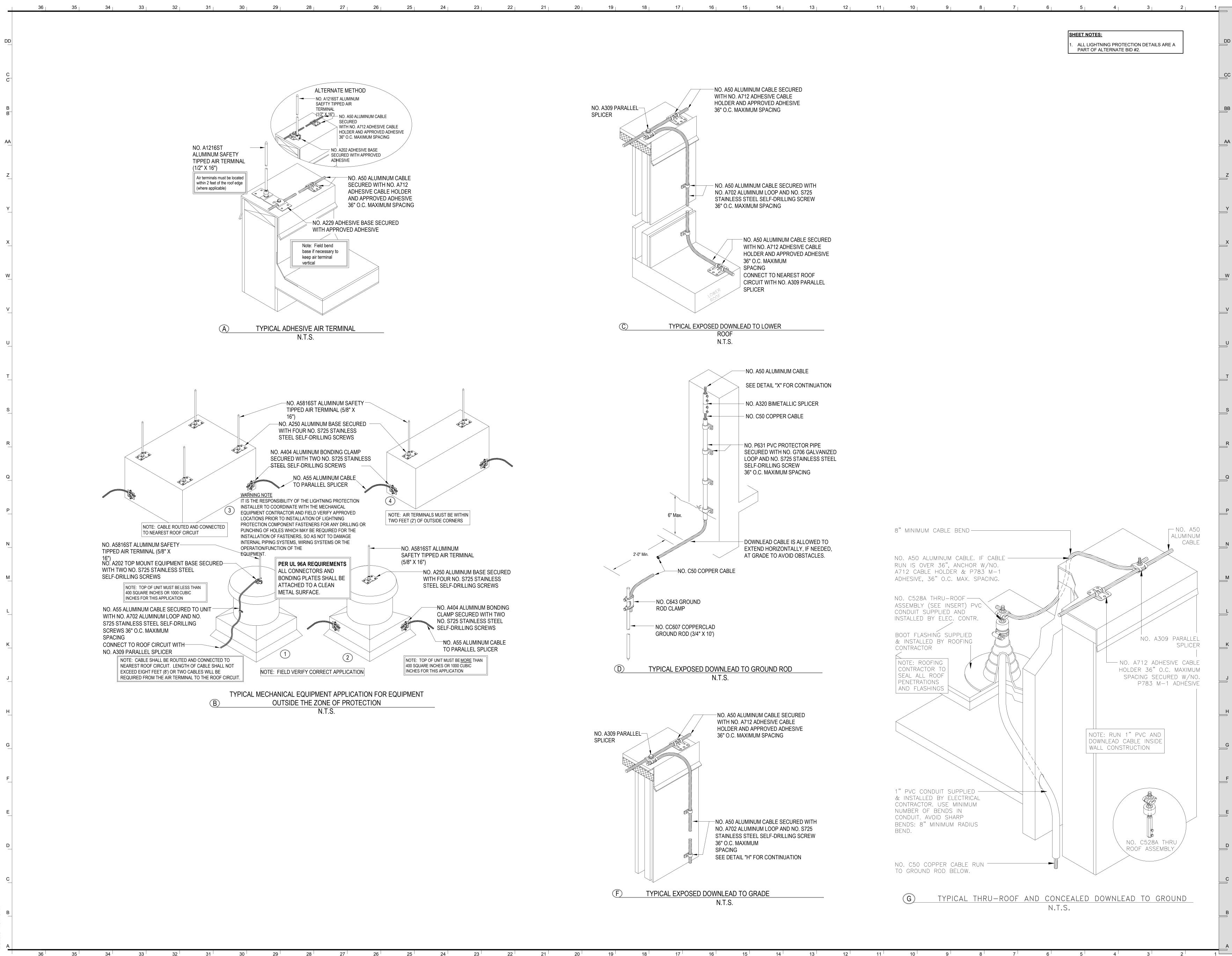


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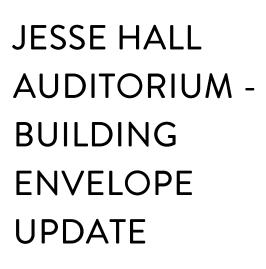
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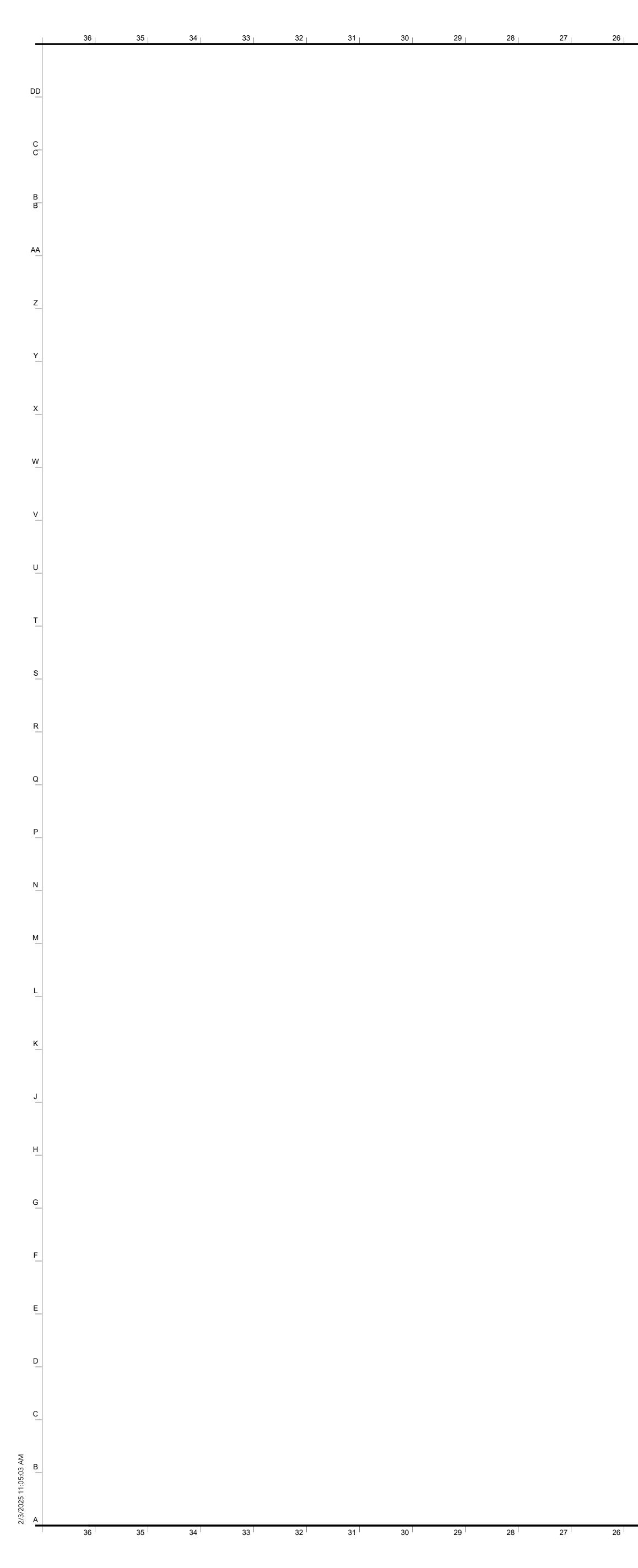


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25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2

(DESC) DOOR:	DISTRIBUT
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FS - FLAT STEEL	
RA - REGRESSED ALU	
RS - REGRESSED STE	
FINISH:	
PAF - PAINT AFTER FA	TION
CFSA - COLOR-FINISH	TION BY ARCHITE
(MTG) MOUNTING:	RE - RECES
CL - CEILING SURFACE	SP - SUSPE
CV - COVE	SU - SURFA
FR - FLANGED RECESS	UC - UNDE
P - PERIMETER	WL - WALL
PL - POLE	O - OTHER
(TYPE) DRIVER:	
0-10V - 0-10V DIMMING	
DALI - DIGITAL ADDRE	
DMX - DIGITAL MULTIP CATALOG NUMBER SHALL NO	
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3 11"x4' VANDAL-RESIST FOR LED SOURCE. SU HEAVY-DUTY ALUMINU SHIELDING. PROVIDE UNDER COVERED CEI FINISH.	MOUNTED. JSING WITH WPC STED OPTION
C 1'x4' FULLY ENCLOSE	E. HIAFR
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		N I.								1.	(()) =			1/40			
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						NSP - VERY NARROW SPOT									M - MATTE DIFFUSE CLEAR		
	III - ANSI/IES TYPE 3 DISTRIBUTION				SP - SPOT												
						MD - MEDIUM									P - POLYCARBONATE		
EEL V-A	V - ANSI/IES TYPE 5 DISTRIBUTION					WD - WIDE VWD - VERY WIDE									R - HIGH IMPACT DR ACRYLIC		
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		_				VV VV - \	WALL W	IASH			K - KSH	12 .125" ACRYLIC	,		THER (SEE DESCRIPTION)		
I SELECTION BY AF														•	IGN SPECIFIC BLANKS]		
	- RECESS												K - FIXTURE, F				
	- SUSPEN										(TYPE) I				- COLOR CHANGING LED		
	- SURFAC		ICT									GHT EMITTING D	-	-			
	- UNDER (CARIN										TUBULAR LED LA					
	- WALL										-				D - RETROFIT LED		
0-	OTHER (S		-SCRIPI	ION)							DLED - I	DYNAMIC TUNAB		VVLEI	D - WARM DIM LED		
G EB						UI UI		N (100%/	50%) ST					N/1\/	MULTI-VOLTAGE ELECTRONIC		
							•	,						- REMOTE			
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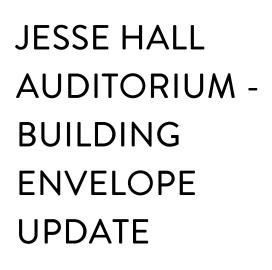
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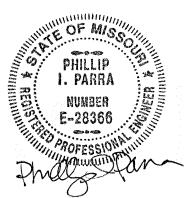


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