2 NE TUDOR RD LEE'S SUMMIT, MISSOURI 64086



PACKAGE 2: CONSTRUCTION SET

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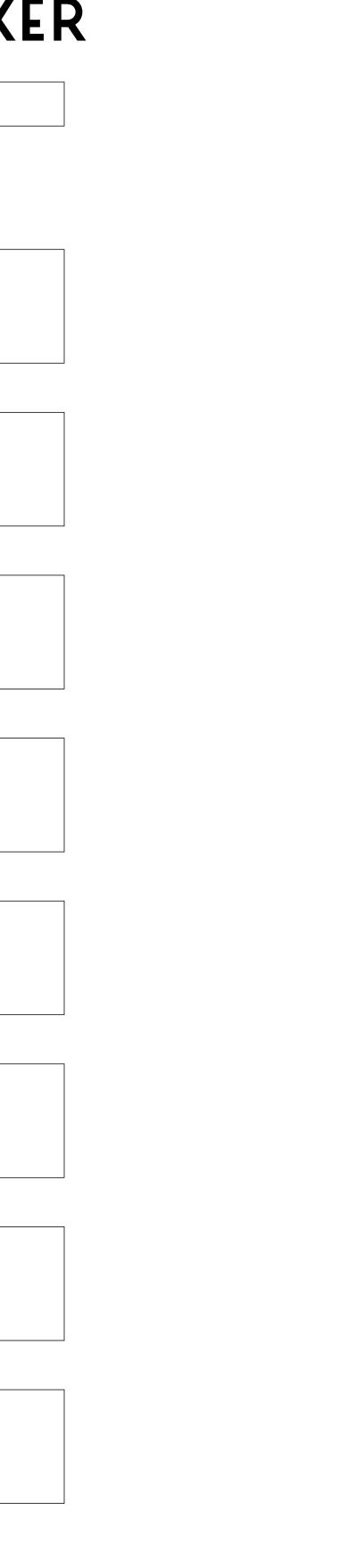
STRUCTURAL ENGINEER J&S STRUCTURAL ENGINEERS, PA 6640 WEST 143RD STREET #250 OVERLAND PARK, KS 66223 P: 913.549.4701

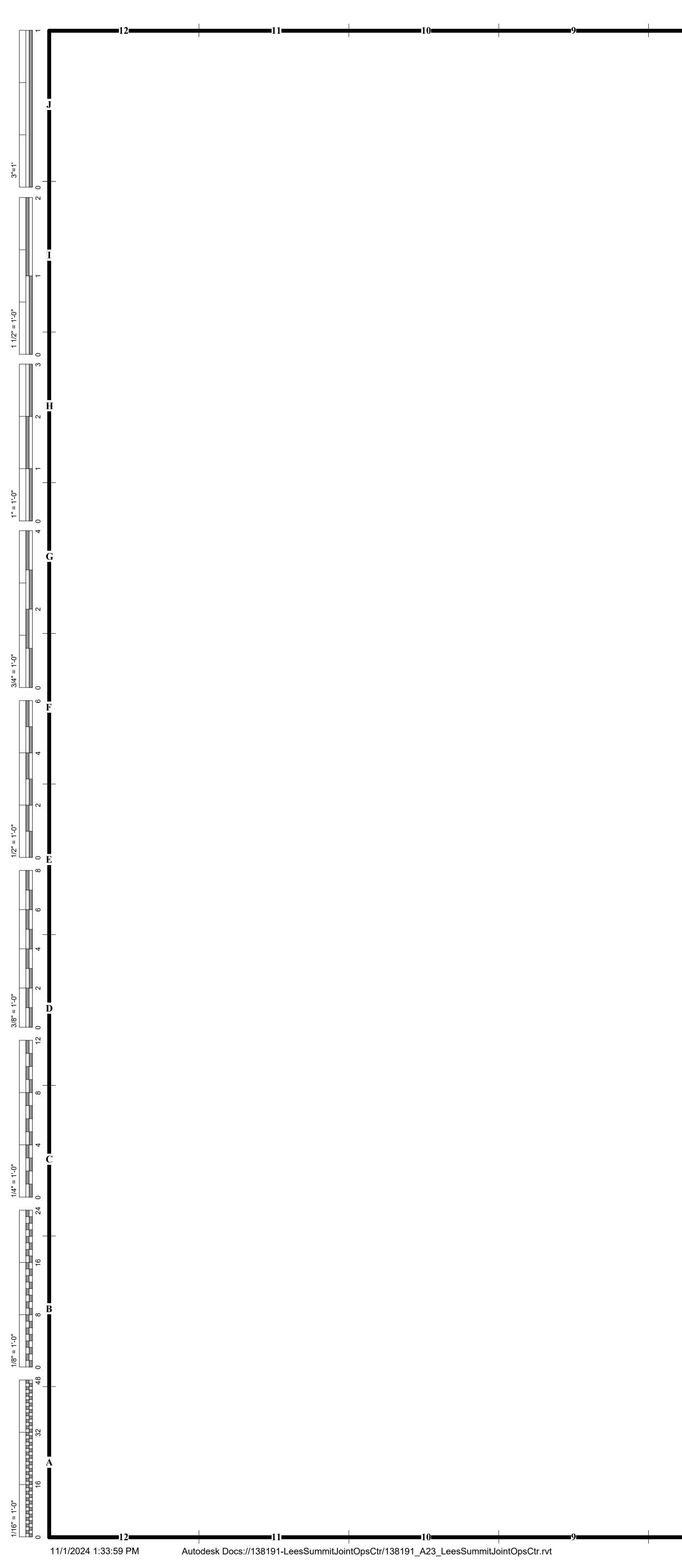
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NOVEMBER 1, 2024

RELEASED FO CONSTRUCTION As Noted on Plans Review Lee's Summit, Misso





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FA101	LOWER LEVEL - FIRE ALARM PLAN
FA102	MAIN LEVEL - FIRE ALARM PLAN
FX101	LOWER LEVEL - FIRE PROTECTION PLAN
FX102	MAIN LEVEL - FIRE PROTECTION PLAN
	PLUMBING
PG001	PLUMBING LEGEND AND GENERAL NOTES
PS101	PLUMBING SITE PLAN
P-101	UNDERGROUND PLUMBING PLAN
P-111	LOWER LEVEL - WASTE AND VENT PLAN
P-112	MAIN LEVEL - WASTE AND VENT PLAN
P-113	ROOF PLUMBING PLAN
P-114	VEHICLE BAY PLUMBING PLAN
P-121	LOWER LEVEL - WATER AND GAS PLAN
P-122	MAIN LEVEL - WATER AND GAS PLAN
P-401	ENLARGED LOWER LEVEL WASTE AND VENT PLANS
P-402	ENLARGED MAIN LEVEL WASTE AND VENT PLANS
P-403	ENLARGED LOWER LEVEL WATER PLANS
P-404	ENLARGED MAIN LEVEL WATER PLANS
P-501	PLUMBING DETAILS
P-601	PLUMBING SCHEDULES
P-621	PLUMBING WASTE AND VENT RISER
P-622	PLUMBING WASTE AND VENT RISER
	MECHANICAL
MG001	MECHANICAL LEGEND AND GENERAL NOTES
MS101	MECHANICAL SITE PLAN
M-101	LOWER LEVEL - HVAC PLAN
M-102	MAIN LEVEL - HVAC PLAN
M-103	VEHICLE BUILDING - HVAC PLAN
M-111	LOWER LEVEL - PIPING PLAN
M-112	MAIN LEVEL - PIPING PLAN
M-501	MECHANICAL DETAILS
M-502	MECHANICAL DETAILS
M-503	MECHANICAL DETAILS
M-601	MECHANICAL SCHEDULES
M-602	MECHANICAL SCHEDULES
M-621	MECHANICAL CONTROLS
M-622	MECHANICAL CONTROLS
M-623	MECHANICAL CONTROLS
M-624	ONE LINE DIAGRAM
	ELECTRICAL
EG001	ELECTRICAL LEGEND AND GENERAL NOTES
ES101	ELECTRICAL SITE PLAN
E-100	LOWER LEVEL - POWER PLAN
E-100 E-101	MAIN LEVEL - POWER PLAN
E-101 E-102	ROOF - ELECTRICAL PLAN
E-102 E-110	

LOWER LEVEL - LIGHTING PLAN

ENLARGED ELECTRICAL PLANS

MAIN LEVEL - LIGHTING PLAN

ELECTRICAL DETAILS

ELECTRICAL DETAILS PANELBOARD SCHEDULES

PANELBOARD SCHEDULES

ELECTRICAL SCHEDULES

TECHNOLOGY SITE PLAN

ELECTRICAL ONE-LINE DIAGRAM

TECHNOLOGY

LOWER LEVEL - TECHNOLOGY PLAN

MAIN LEVEL - TECHNOLOGY PLAN

ENLARGED TECHNOLOGY PLANS

TECHNOLOGY DETAILS

TECHNOLOGY DETAILS

TECHNOLOGY LEGEND AND GENERAL NOTES

LOWER LEVEL - TECHNOLOGY CABLE TRAY PLAN

LOWER LEVEL - TECHNOLOGY UNDERFLOOR CABLE TRAY PLAN

MAIN LEVEL - TECHNOLOGY UNDERFLOOR CABLE TRAY PLAN

MAIN LEVEL - TECHNOLOGY CABLE TRAY PLAN

LOWER LEVEL - TECHNOLOGY ALTERNATE PLAN MAIN LEVEL - TECHNOLOGY ALTERNATE PLAN

FIRE PROTECTION

E-110

E-111

E-401

E-501 E-502

E-601 E-602 E-621

E-641

TG001

TS100

T-100

T-101

T-110

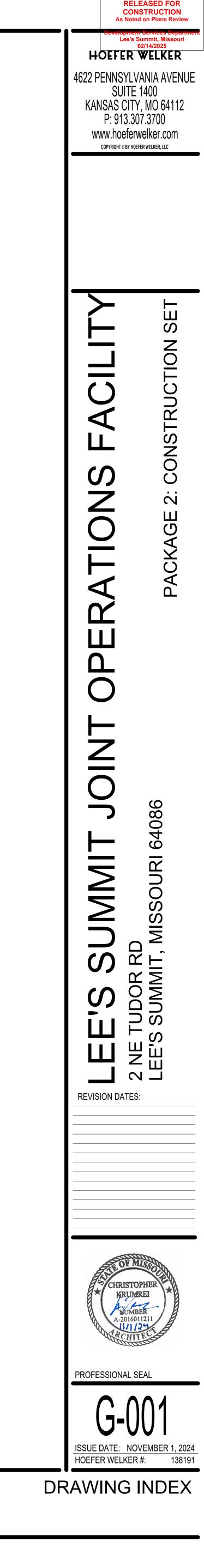
T-120

T-121

T-200

T-201 T-401 T-501

T-502



		ABBREVIATIONS		ABBREVIATIONS
			FLG	FLASHING
	A/C A/V	AIR CONDITIONING AUDIO VISUAL	FLR FLUOR	FLOOR FLUORESCENT
	ACOUST ACP	ACOUSTICAL ACOUSTICAL CEILING PANEL	FOC FOF	FACE OF CONCRETE FACE OF FINISH
	AD ADD	AREA DRAIN ADDENDUM	FOG FOM	
	ADJ	ADJUSTABLE / ADJACENT	FOS	FACE OF STUDS
	AFF AHJ		FR FRM	
	AHU ALT		FS FT	FLOOR SINK FLOOR TILE
	ALUM ANOD	ALUMINUM ANODIZED	FT FTG	FOOT / FEET FOOTING
	AP	ACCESS PANEL	FURR	FURRING
		ARCH PRECAST CONCRETE APPROXIMATE	FUT FV	
	ARCH ATTEN	ARCHITECT / ARCHITECTURAL ATTENUATION	FVC FVT	
	AUTO AVG	AUTOMATIC AVERAGE	FX FZ	FINISHED CONCRETE TERRAZZO
	BD BIT	 BOARD BITUMINOUS	GA GALV	 GAUGE GALVANIZED
	BLDG BLK	BUILDING BLOCK	GB GC	GRAB BAR GENERAL CONTRACTOR
	BLKG	BLOCKING	GFRC	GLASS FIBER REINF CONC
	BM BO	BENCHMARK / BEAM BOTTOM OF	GL GOVT	
	BOC BOT	BACK OF CURB BOTTOM	GPM GYP	GALLON PER MINUTE GYPSUM
	BR BRG	RESILIENT BASE BEARING		
	BRK BRKT	BRICK BRACKET	HB HC	HOSE BIBB HOLLOW CORE
	BSMT	BASEMENT	HD	HEAD
	BT BTWN	TILE BASE BETWEEN	HDBD HDR	HARDBOARD HEADER
	BV BVL	INTEGRAL COVED BASE BEVELED	HDW HDWD	HARDWARE HARDWOOD
	BW	BOTH WAYS	HK HM	HOOK HOLLOW METAL
	С		HORIZ	HORIZONTAL
	CA CAB	ACOUSTICAL CEILING TILE CABINET	HPT HR	HIGH POINT HOUR
	CAP CB	CAPACITY CATCH BASIN	HS HT	HIGH STRENGTH HEIGHT
	CCTV CE	CLOSED CIRCUIT TV PAINTED GYP CEILING - EPOXY	HTG HTR	HEATING HEATER
	CF	CUBIC FEET	HTR HVAC	HEATING VENTING AIR
	CFM CG	CUBIC FEET PER MINUTE CORNER GUARD	HW	CONDITIONING HOT WATER
	CI CIP	CAST IRON CAST IN PLACE	HWH	HOT WATER HEATER
	CJ CL	CONTROL JOINT CENTERLINE	ID	INSIDE DIAMETER
	CLG	CEILING	IN	INCH
	CLOS CLR	CLOSET CLEAR / CLEARANCE	INCAND INCL	INCANDESCENT INCLUDE (D), (ING)
	CM CMP	CENTIMETER CORRUGATED METAL PIPE	INFO INST	INFORMATION INSTALL / INSTALLATION
	CMU	CONCRETE MANSONRY UNIT (S)	INSUL INT	INSULATE / INSULATION INTERIOR
	CO COL	CLEAN OUT COLUMN	INV	INVERT
	COMB CONC	COMBINATION CONCRETE		
	CONN CONST	CONNECTION CONSTRUCT / CONSTRUCTION	JAN JB	JANITOR JUNCTION BOX
	CONT CONTR	CONTINUOUS CONTRACTOR	JC JST	JANITOR CLOSET JOIST
	COORD	COORDINATE	JT	JOINT
	CORR CP	CORRIDOR CONCRETE PIPE		
_	CP CS	PAINTED GYP CEILING COUNTERSINK	KIT KP	KITCHEN KICK PLATE
	CSMT CTR	CASEMENT COUNTER		
	CU	CUBIC	L LAB	LONG / LENGTH LABORATORY
	CW	COLD WATER	LAV	LAVATORY
	DBL	 DOUBLE	LBS LF	POUNDS LINEAR FOOT (FEET)
	DEMO DEPT	DEMOLISH / DEMOLITION DEPARTMENT	LH LLH	LEFT HAND LONG LEG HORIZONTAL
	DF	DRINKING FOUNTAIN	LLV LPT	LONG LEG VERTICAL LOW POINT
	DH DIA	DOUBLE HUNG DIAMETER	LRG	LARGE
	DIAG DIM	DIAGONAL DIMENSION	LT(G) LVR	LIGHT(ING) LOUVER
	DISP DMT	DISPENSER DEMOUNTABLE	LWC	LIGHTWEIGHT CONCRETE
	DN	DOWN	М	
	DR DS	DOOR DOWNSPOUT	MAS	METER (S) MASONRY
	DTL DWG	DETAIL DRAWING	MAX MBR	MAXIMUM MEMBER
			MECH MED	MECHANICAL MEDIUM
	E	EAST	MEMB MFG	MEMBRANE
	EA EF	EACH EXHAUST FAN	MFR	MANUFACTURING MANUFACTURER
	EJ EL	EXPANSION JOINT ELEVATION	MH MIN	MANHOLE MINIMUM
	ELAST ELEC	ELASTOMERIC ELECTRICAL	MISC ML	MISCELLANEOUS PLASTIC LAMINATE MILLWORK
	ELEV	ELEVATOR	MN	NATURAL STONE COUNTERTOR
	EMERG EP	EMERGENCY ELECTRICAL PANELBOARD	MO MOD	MASONRY OPENING MODULAR
	EQ EQUIP	EQUAL EQUIPMENT	MS MTD	SOLID SURFACE COUNTERTOP MOUNTED
	ESC	ESCALATOR	MTG MTL	MOUNTING METAL
	EST ETR	ESTIMATE EXISTING TO REMAIN	MULL	MULLION
	EWC EXH	ELECTRIC WATER COOLER EXHAUST		
	EXIST EXP	EXISTING EXPANSION / EXPANDED	N N/A	NORTH NOT APPLICABLE
	EXT	EXTERIOR	NIC NO	NOT IN CONTRACT NUMBER
			NOM	NOMINAL
	FA FAB	FIRE ALARM FABRICATE	NRC NTS	NOISE REDUCTION COEFFICIEN NOT TO SCALE
	FB FBO	FACE BRICK FURNISHED BY OWNER		
	FC FCT	CARPET VINYL COMPOSITION TILE	OC OD	ON CENTER OUTSIDE DIAMETER
	FD	FLOOR DRAIN	ОН	OVERHEAD / OPPOSITE HAND
	FDN FDV	FOUNDATION FIRE DEPARTMENT VALVE	OPNG OPP	OPENING OPPOSITE
	FE FEC	FIRE EXTINGUISHER AND BRACKET	ORD OZ	OVERFLOW ROOF DRAIN OUNCE
	FF	FINISH FLOOR		
		FIXTURES / FURNITURE / EQUIPMENT FINISH FLOOR ELEVATION	PA	PUBLIC ACCESS
	FF&E FFE			
	FFE FH FHC	FIRE HYDRANT FIRE HOSE CABINET	PB PC	PANEL BOARD PRECAST CONCRETE
	FFE FH	FIRE HYDRANT		

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ABBREVIATIONS PERPENDICULAR PERP ΡL PLATE / PROPERTY LINE PLAS PLASTER PLUMB PLUMBING PLYWD PLYWOOD PNL PANEL POLY POLYETHYLENE PREFAB PREFABRICATE (D) PREFIN PREFINISHED PRELIM PRELIMINARY PREP PREPARE (D) PROJ PROJECT PSF POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PSI PT PAINT; PRESSURE TREATED PTD PAINTED POLYVINYL CHLORIDE PVC PVMT PAVEMENT -----QUANTITY QTY RISER / RADIUS / REVERSED R RIGHT OF WAY R/W RA RETURN AIR REFLECTED CEILING PLAN RCP RD ROOF DRAIN RE **REFERENCE / REFER TO** REC (D) RECEIVE (D) REF REFRIGERATOR REINF REINFORCE (D), (ING) REQD REQUIRED REQMT REQUIREMENT REV **REVISED / REVISION** RFG ROOFING RH RIGHT HAND ROOM RM RO ROUGH OPENING RTU ROOF TOP UNIT -----SOUTH ACOUSTICAL WALL PANEL SA SANITARY SEWER SAN SOLID CORE SC SCH SCHEDULE SCN SCREEN SECT SECTION SF SQUARE FOOT (SQ FT) SHM SECURITY HOLLOW METAL SHT SHEET SIM SIMILAR SOF SPRAY-ON FIREPROOFING SOG SLAB ON GRADE SP TOILET PARTITION SP HD SPRINKLER HEAD SPEC SPECIFICATION (S) SPKR SPEAKER SQ SQUARE STAINLESS STEEL SS SILLS SS STC SOUND TRANSM COEFFICIENT STD STANDARD STG SEATING STEEL STL STOR STORAGE STRUCT STRUCTURE / STRUCTURAL SUBFLR SUBFLOOR SUSP SUSPENDED WINDOW TREATMENTS SW SWGR SWITCH GEAR SQUARE YARD (SQ YD) SY SYM SYMMETRICAL SYS SYSTEM т TREAD T&B TOP & BOTTOM T&G **TONGUE & GROOVE** TEL TELEPHONE **TEMPORARY / TEMPERED** TEMP THK THICK (NESS) THRU THROUGH TKBD TACKBOARD то TOP OF TOC TOP OF CURB / CONCRETE TOD TOP OF DECK TOM TOP OF MANSONRY TOP TOP OF PARAPET TOS TOP OF STEEL TOW TOP OF WALL TRANSF TRANSFORMER TRANSM TRANSMISSION ΤV TELEVISION TYP TYPICAL UNIT HEATER UH UNFIN UNFINISHED UNO UNLESS NOTED OTHERWISE -----VAPOR BARRIER (VPR BR) VB VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD VTR VENT THROUGH ROOF _____ WEST, WIDTH, WIDE, WATER W WITH W/ WITHIN W/IN W/O WITHOUT WATER CLOSET WC WD WOOD WE WALL PAINT - EPOXY WH WALL HYDRANT WNDW WINDOW WP WALL PAINT WATER RESISTENT WR WALL TILE, WEIGHT WΤ WV WALL COVERING YARD YD

AND

AT

1/8" = 1

	0	
<u>SYMBOL</u>	<u>.S:</u>	
DISCIPLINE DESIGNA	-	ELEVATION
G- (GENERAL) C- (CIVIL)	AF (FURNITURE / EQUIPMENT) AG (GRAPHICS)	
L- (LANDSCAPE) S- (STRUCTURAL)	QF (EQUIPMENT FOOD SERVICE QH (EQUIPMENT HOSPITAL)) A-201
AS (ARCHITECTURAL	SITE) P- (PLUMBING)	EXTERIOR
XD (DEMOLITION) A- (ARCHITECTURAL	M- (MECHANICAL) .) E- (ELECTRICAL)	Ţ
AC (ARCHITECTURAL AI (ARCHITECTURAL	. CEILINGS) T- (TECHNOLOGY) . FINISHES)	A-451 A
SHEET NUMBER:	,	
	CONSTRUCTION PREFIX (01-) IF USED DISCIPLINE DESIGNATOR (A-)	INTERIOR
	SHEET TYPE DESIGNATOR (10) SHEET SEQUENCE NUMBER (1)	WALL SECTI
	PART PLAN DESIGNATOR (B) IF USED	Ţ
01-A-101B		A3 A-32
	RECOM NAME	4-52
B-206A	— SUB ROOM NUMBER (06A)	Ĺ
Ţ [<u> </u>	— ROOM NUMBER (06) — FLOOR LEVEL (2)	BUILDING SE
	- AREA (B) IF USED	
REFERENCE MARK:	DRAWING OR DETAIL NUMBER	F1
		A-30
RE: A6/ A-401		
ROOM FINISH TAG KE	Y LEGEND:	REVISION M
	RM NAME	
	000 FLOOR FINISH	
	WALL BASE WALL FINISH CEILING FINISH	
SYMBOLS:	REMARKS	-
	NORTH ARROW SYMBOL	
	BREAK LINE	
A		
Α	EXISTING STRUCTURAL GRID BUBBLE	
\bullet	ELEVATION MARK	
$\mathbf{\tilde{\mathbf{V}}}$	FIRE HYDRANT	
FE	FIRE EXTINGUISHER	
EFEC	EXISTING FIRE EXTINGUISHER	
FEC	& CABINET FIRE EXTINGUISHER & CABINET	
FD	FLOOR DRAIN	
⊖ RD	ROOF DRAIN	
	OVERFLOW ROOF DRAIN	
• •		
W P1	WALL FINISH TYPE	
(22.22G) (WP1)	MILLWORK FINISH TYPE	
NOTE TAGS:		
	- SHEET NOTE NUMBER	
(24)	- DEMOLITION NOTE NUMBER	
< <u>4</u> >	- FIXTURE ACCESSORY NUMBER	
	DRAWING NUMBER	
A-501		
DOOR SYMBOLS:		
DOOR NO.		
101-1		
NEW DOOR		
WALL SYMBOLS:		
NEW WALL		
	RAME TYPES/ WINDOW TYPES/	
LOUVER 1	TYPES/GLASS TYPES:	
F1 🛥	DOOR FRAME NUMBER SYMBOL (F1, F2, F3, ETC)	
A2-		
(L2) -	(A-Z; AA, AB - AZ; BA, BB - BZ) —— LOUVER NUMBER SYMBOL	
	(L1, L2, L3,)	
(14) -	GLASS TYPES	
CASEWORK SYMBOLS		
	E CABINET WIDTH, HEIGHT, DEPTH E CABINET TYPE	
33 30 15 WAI	LL CABINET WIDTH, HEIGHT, DEPTH	
	LL CABINET TYPE	
	LL CABINETS, TALL CABINETS, USTABLE SHELVES, LOCKERS, ETC.)	
KE: WALL	TYPE LEGEND ON G-301	

ATION SYMBOLS: - SHEET NUMBER - DIRECTION A1- DRAWING NUMBER - SHEET NUMBER - DRAWING NUMBER - DIRECTION SECTION AND DETAIL SYMBOLS: - DRAWING NUMBER - SHEET NUMBER - DIRECTION

DING SECTIONS: — BUILDING SECTION NUMBER — - DIRECTION -

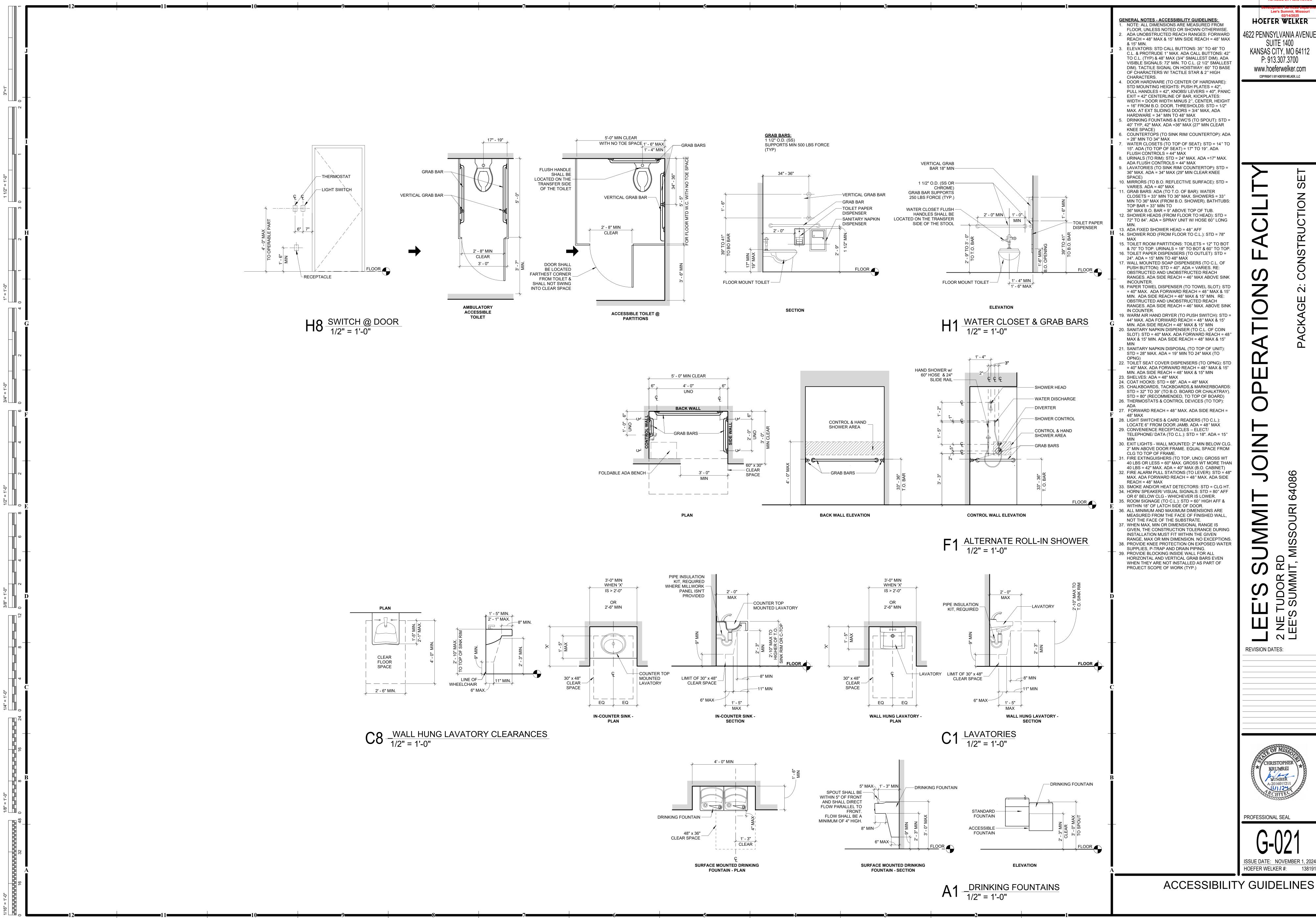
SION MARK/ CLOUD: 1_

- REVISION NUMBER

GENERAL INFORMATION NOTES:

- 1. ALL CONTRACTORS AND THEIR SUPERVISORY PERSONNEL SHALL REVIEW THE GENERAL ANDSUPPLEMENTARY CONDITIONS TO THE CONTRACT. 2. ALL WORK SHALL CONFORM WITH APPLICABLE BUILDING CODES, REGULATIONS AND
- ORDINANCES. 3. CONTRACTOR SHALL OBTAIN ALL REQUIRED BUILDING AND OCCUPANCY PERMITS.
- . CONTRACTOR SHALL BECOME FULLY ACQUAINTED WITH CONDITIONS RELATED TO THE WORK. 5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION AND THE SAFETY OF ALL CONSTRUCTION PERSONNEL AND VISITORS. 6. DRAWINGS CONTAINED IN THIS SET SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS. COPIES
- OF THESE DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR. 7. EACH INSTALLER MUST EXAMINE SUBSTRATE AND/OR CONDITIONS UNDER WHICH THE WORK WILL BE INSTALLED AND REPORT TO THE CONTRACTOR IN WRITING ANY CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY EXECUTION OF THAT INSTALLERS WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED. COMMENCING WITH INSTALLATION SHALL CONSTITUTE ACCEPTANCE OF THE SUBSTRATE AND/OR CONDITIONS. 8. DO NOT SCALE DRAWINGS: FOLLOW WRITTEN DIMENSIONS AND NOTES. CONTACT ARCHITECT
- FOR CLARIFICATIONS, IF REQUIRED. 9. DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE. 10. FOR METAL STUD CONSTRUCTION DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF GYP. BOARD/ WALL (FOG), UNLESS NOTED OR SHOWN OTHERWISE. 11. NOTE: ALL WALL THICKNESSES ARE ACTUAL DIMENSIONS.
- 12. "TYPICAL", AS USED IN THESE DOCUMENTS, SHALL MEAN THAT THE CONDITION OR DIMENSION IS REPRESENTATIVE OF, OR THE SAME, FOR SIMILAR CONDITIONS THROUGHOUT. 13. IF THERE IS A DISCREPANCY BETWEEN SMALL SCALE AND LARGE SCALE DRAWINGS, (PLAN, SECTION, & DETAIL DRAWINGS, ETC.) - CONTACT ARCHITECT FOR CLARIFICATION. FOR BIDDING PURPOSES: THE MOST EXPENSIVE AND/OR STRICTEST REQUIREMENTS SHALL GOVERN. FOR CLARIFICATIONS DURING CONSTRUCTION: THE MOST EXPENSIVE AND/OR STRICTEST REQUIREMENTS, AS INDICATED BY THE ARCHITECT, SHALL GOVERN.
- 14. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS CONTACT ARCHITECT FOR CLARIFICATION. FOR BIDDING PURPOSES: THE MOST EXPENSIVE AND/OR STRICTEST REQUIREMENTS SHALL GOVERN. FOR CLARIFICATIONS DURING CONSTRUCTION: THE MOST EXPENSIVE AND/OR STRICTEST REQUIREMENTS, AS INDICATED BY THE ARCHITECT, SHALL GOVERN.
- 15. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT IN WRITING FOR RESOLUTION, PRIOR TO PROCEEDING WITH THE WORK. 16. ANY AND ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING FOR RESOLUTION, PRIOR TO PROCEEDING WITH THE WORK. IN THESE INSTANCES: NO CHANGE ORDERS OR EXTENSIONS OF TIME WILL BE ALLOWED OR ACCEPTED FOR PROCEEDING WITH THE WORK WITHOUT THE ARCHITECT'S WRITTEN DIRECTION AND APPROVAL. ALSO -CONTRACTOR MUST REPAIR AND/OR REPLACE ANY UNAUTHORIZED WORK, AS INDICATED BY THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER. 17. ALL DISSIMILAR METAL MATERIALS SHALL BE ISOLATED WITH AN APPROVED NONMETAL
- ISOLATION MATERIAL. 18. OPEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALL PANELS, AND AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE, ETC. - SHALL BE SEALED, CAULKED, FLASHED OR WEATHER-STRIPPED AS REQUIRED FOR COMPATIBILITY WITH ADJACENT MATERIALS & TO ELIMINATE AIR LEAKAGE AND WATER ENTRY. 19. PROVIDE SEALANT AND/OR CAULKING BETWEEN DISSIMILAR ADJOINING INTERIOR MATERIALS.
- (I.E. WINDOW SILLS TO GYP. BD., ACT CEILINGS TO MASONRY WALLS, ETC.) 20. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN WALL SHOWN OR LOCATED 4 INCHES FROM FINISH WALL TO EDGE OF DOOR FRAME, ALWAYS ALLOWING A MINIMUM OF 18" FROM THE PULL SIDE OF THE DOOR TO THE INTERSECTING WALL.
- 21. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES AND THEIR SERVICE CONNECTIONS WITH THE PROPER UTILITY COMPANY. 22. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE FINAL SIZE AND DEPTH OF THE ELEVATOR PIT, SHAFT, RAIL SUPPORT, HOIST SUPPORT, OVERRUN AND MISC. ELEVATOR REQUIREMENTS WITH THE SELECTED ELEVATOR MANUFACTURER/ SUPPLIER.
- 23. CONTRACTOR SHALL COORDINATE SIZE, LOCATIONS AND NUMBER OF ALL ROOF OPENINGS AND ROOF ACCESSORIES WITH ALL OTHER TRADES. REFER TO THE ARCHITECTURAL, STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS. 24. LOCATIONS AND SIZES OF ALL CONCRETE MECHANICAL AND ELECTRICAL PADS SHALL BE
- COORDINATED BY THE MECHANICAL AND ELECTRICAL CONTRACTORS, WITH THE SELECTED EQUIPMENT MANUFACTURER/SUPPLIER; AND ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. 25. EXCEPT AT FIRE-RATED PARTITIONS, ALL WALL AND COLUMN GYPSUM BOARD FACING SHALL BE
- HELD AT 5/8 INCH BELOW STRUCTURE, UNLESS DETAILED OR NOTED OTHERWISE. 26. AT ALL TELECOMMUNICATION ROOMS: PROVIDE 3/4" X 8'-0" HIGH FIRE-RETARDANT-TREATED WOOD SHEATHING OR PROVIDE PLYWOOD OVER NON-COMBUSTIBLE SHEATHING; BOTTOM TO BE LOCATED AT 4" A.F.F. VERIFY LENGTHS AND LOCATIONS WITH ELECTRICAL DRAWINGS. 27. GLASS DOORS, ADJACENT PANELS AND ALL GLAZED OPENINGS WITHIN 1'-6" OF THE FLOOR, AND
- WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF A DOOR, ETC., SHALL BE SAFETY GLAZING AS APPROVED FOR IMPACT BY APPLICABLE BUILDING CODES, AND SHALL BE LABELED AS SUCH 28. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM SLAB OR TILE FLOOR (FINISHED FLOOR) TO FINISH CEILING.
- 29. PROVIDE INDEPENDENT FRAMING & ATTACHMENTS TO THE STRUCTURE ADEQUATE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND BUS DUCTS.
- 30. ALL CLOSETS AND ALCOVES WITHOUT A SPACE IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS ADJOINING SPACES. 31. CONTRACTOR TO INSTALL WOOD BLOCKING AND PLYWOOD AS REQUIRED FOR THE MOUNTING OF ALL TOILET ACCESSORIES, MILLWORK/ CASEWORK, AV EQUIPMENT, AND MEP ITEMS ETC.
- 32. RE: SPECIFICATIONS FOR ALL REQUIRED TESTING AND INSPECTIONS. 33. ANY/ ALL PROPRIETARY PRODUCTS DESCRIBED AND/OR DRAWN IN THE DOCUMENTS (BUT NOT SPECIFIED) ARE TO MEET THE MANUFACTURER'S STANDARD CRITERIA WHICH IS NOT LIMITED TO -THE FOLLOWING: PERFORMANCE REQUIREMENTS, QUALITY ASSURANCE REQUIREMENTS, APPLICABLE CODES AND INDUSTRY STANDARDS, FABRICATION, ASSEMBLY, HANDLING, DELIVERY, STORAGE, INSTALLATION, OPERATION, ADJUSTMENTS, ETC. PROVIDE THE
- MANUFACTURER'S STANDARD WARRANTY AND STANDARD FINISH WARRANTY. PROVIDE PRODUCT DATA, SHOP DRAWINGS, SAMPLES, AND MAINTENANCE DATA AS REQUIRED. REFER TO DIVISION 01 SPEC. SECTIONS WHICH ALSO APPLY - SUCH AS SUBSTITUTION PROCEDURES. SUBMITTAL PROCEDURES, QUALITY REQUIREMENTS, REFERENCES, EXECUTION, AND CLOSEOUT PROCEDURES. NOTE: ANY SUBSTITUTIONS MUST MEET THE DESIGN INTENT, AS WELL AS THE CRITERIA DESCRIBED ABOVE.





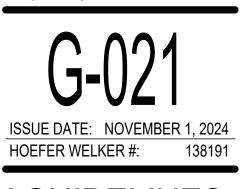
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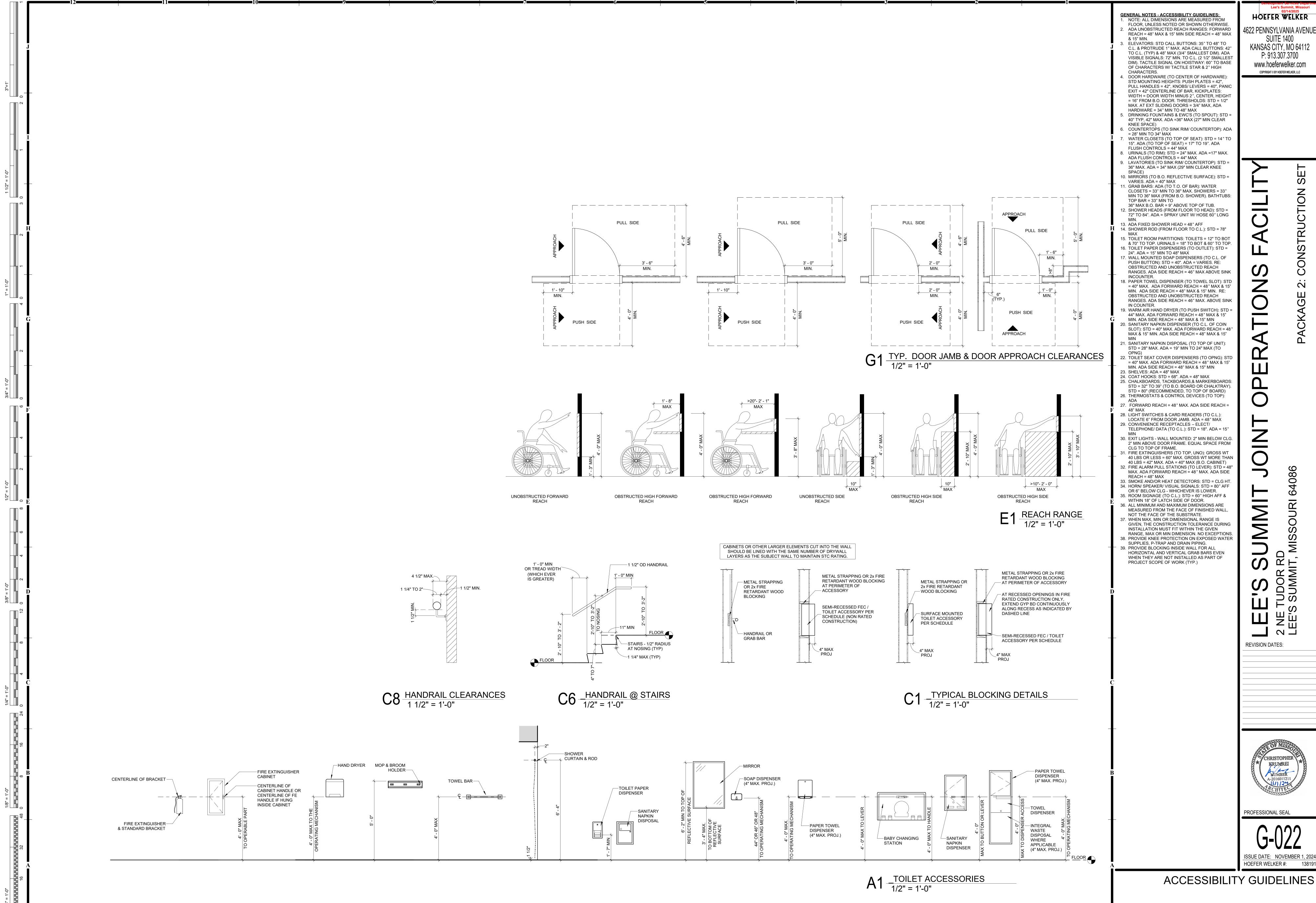
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Lee's Summit, Missouri 02/14/2025 HOEFER WELKER 4622 PENNSYLVANIA AVENUE SUITE 1400 KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com COPYRIGHT © BY HOEFER WELKER, LLC

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Ш S TION TRUC⁻ CONS⁻ N. ACKAGE 080 Ò RD . MISSOURI $\overline{}$ **FUDOR RI** SUMMIT, S VJ ഗ ШZШ \sim \square **REVISION DATES:** KRUMREI A-2016011211 PROFESSIONAL SEAL





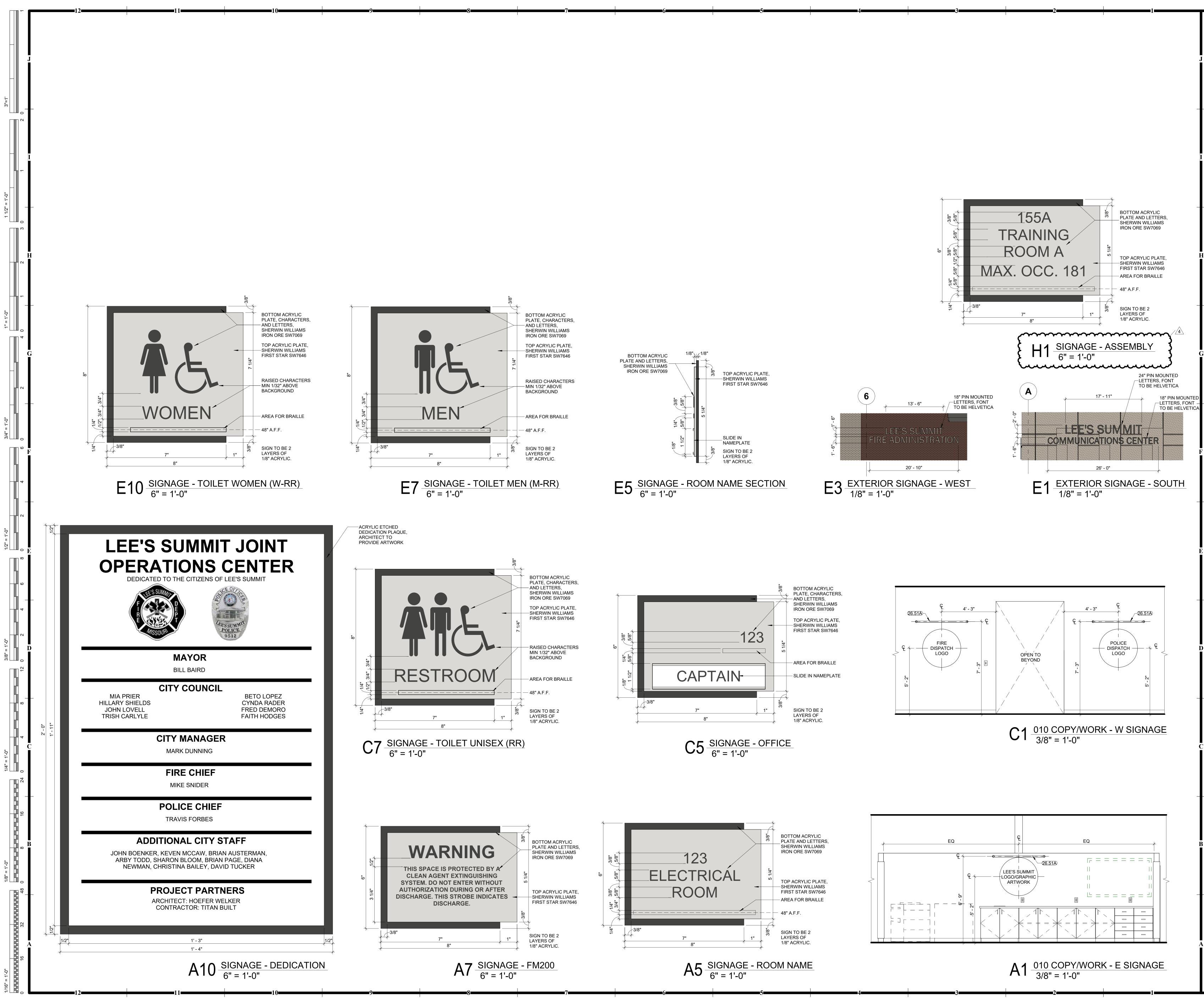
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RELEASED FOR CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri 02/14/2025 HOEFER WELKER 4622 PENNSYLVANIA AVENUE **SUITE 1400** KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com COPYRIGHT © BY HOEFER WELKER, LLC Ш S TION RUC⁻ ONS⁻ Ú . . \sim Ш Ċ CKA 080 4 Ò RD . MISSOURI $\overline{}$ FUDOR RI SUMMIT, S VJ S ШZШ \sim \square **REVISION DATES:** CHRISTOPHER KRUMREI A-2016011211

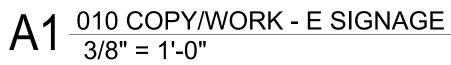
PROFESSIONAL SEAL

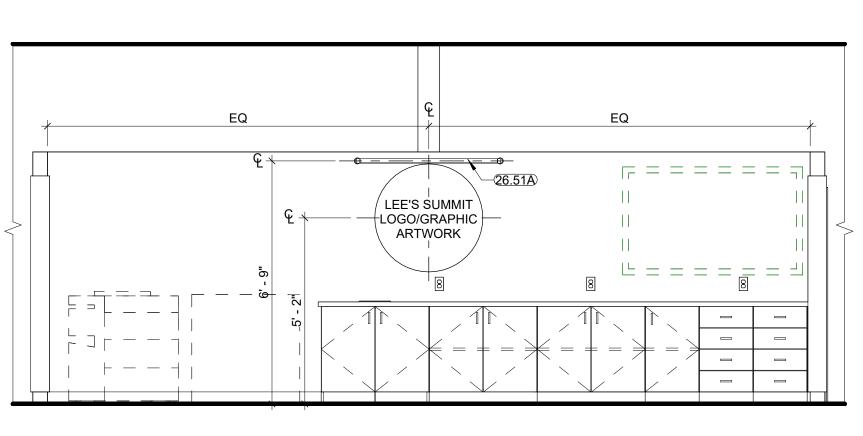
G - 022ISSUE DATE: NOVEMBER 1, 2024 HOEFER WELKER #: 138191

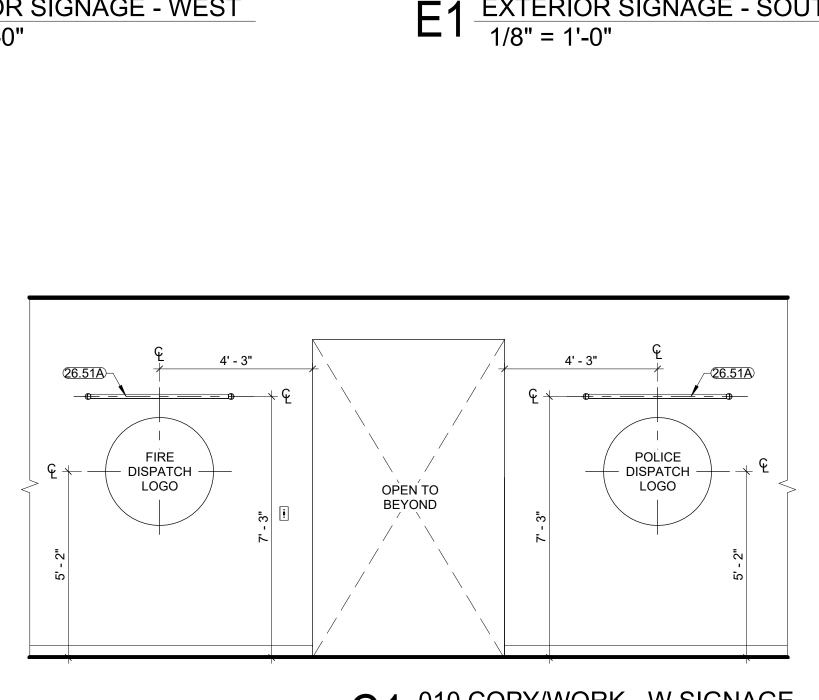


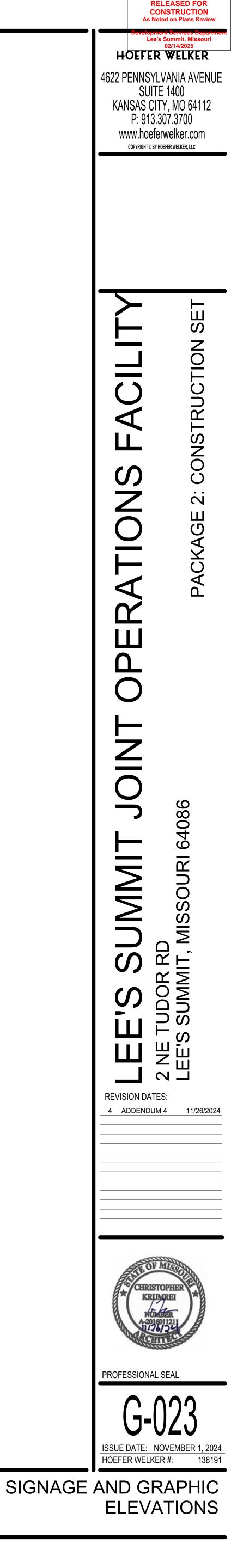
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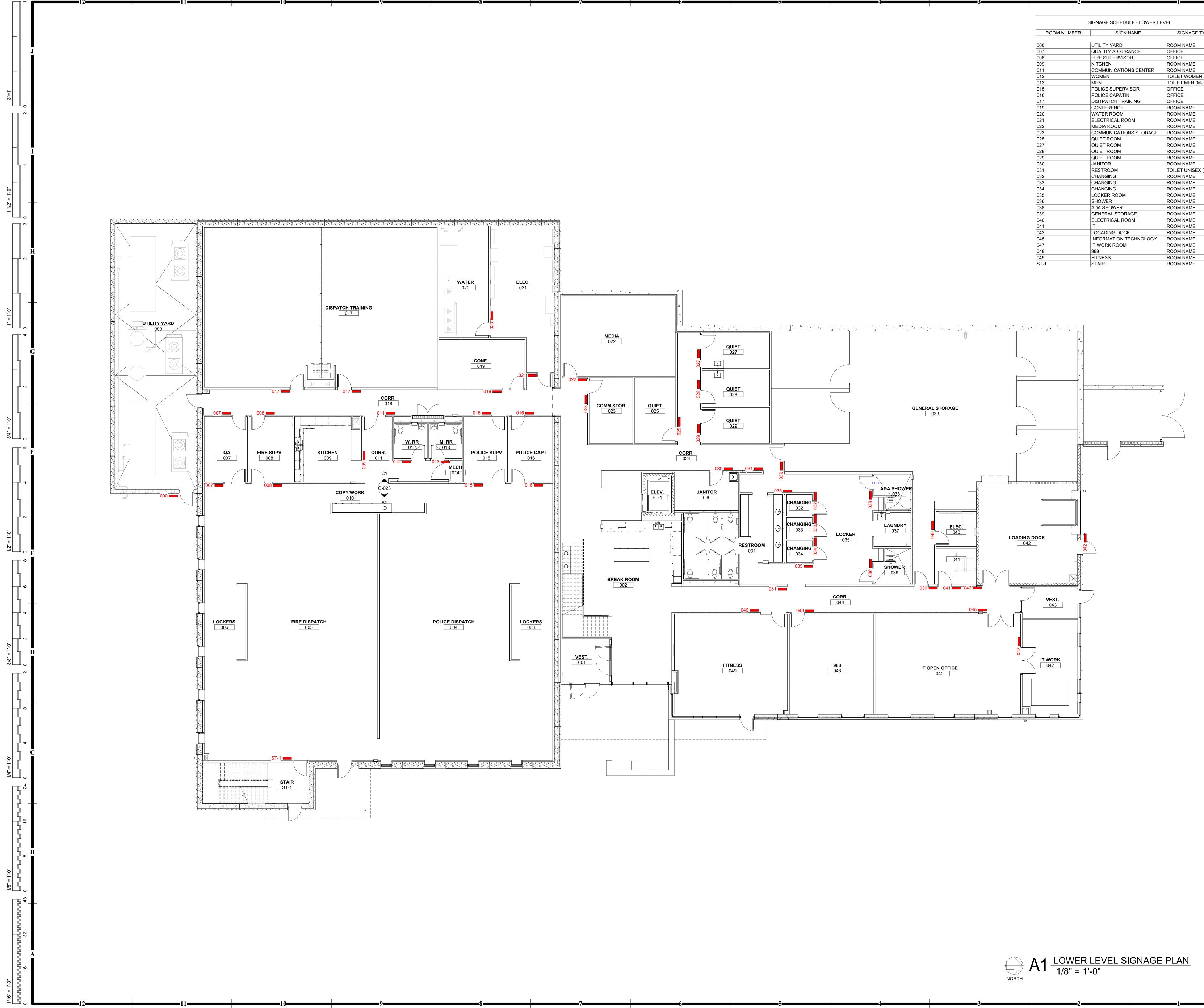
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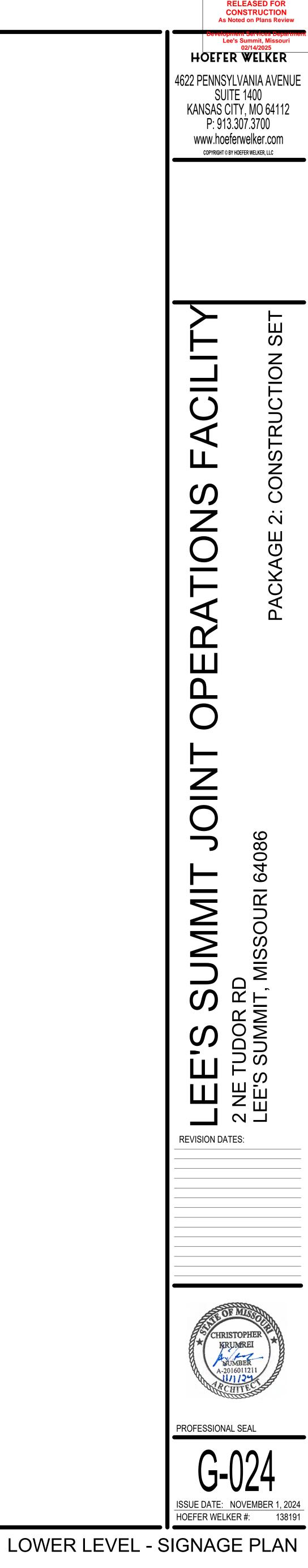


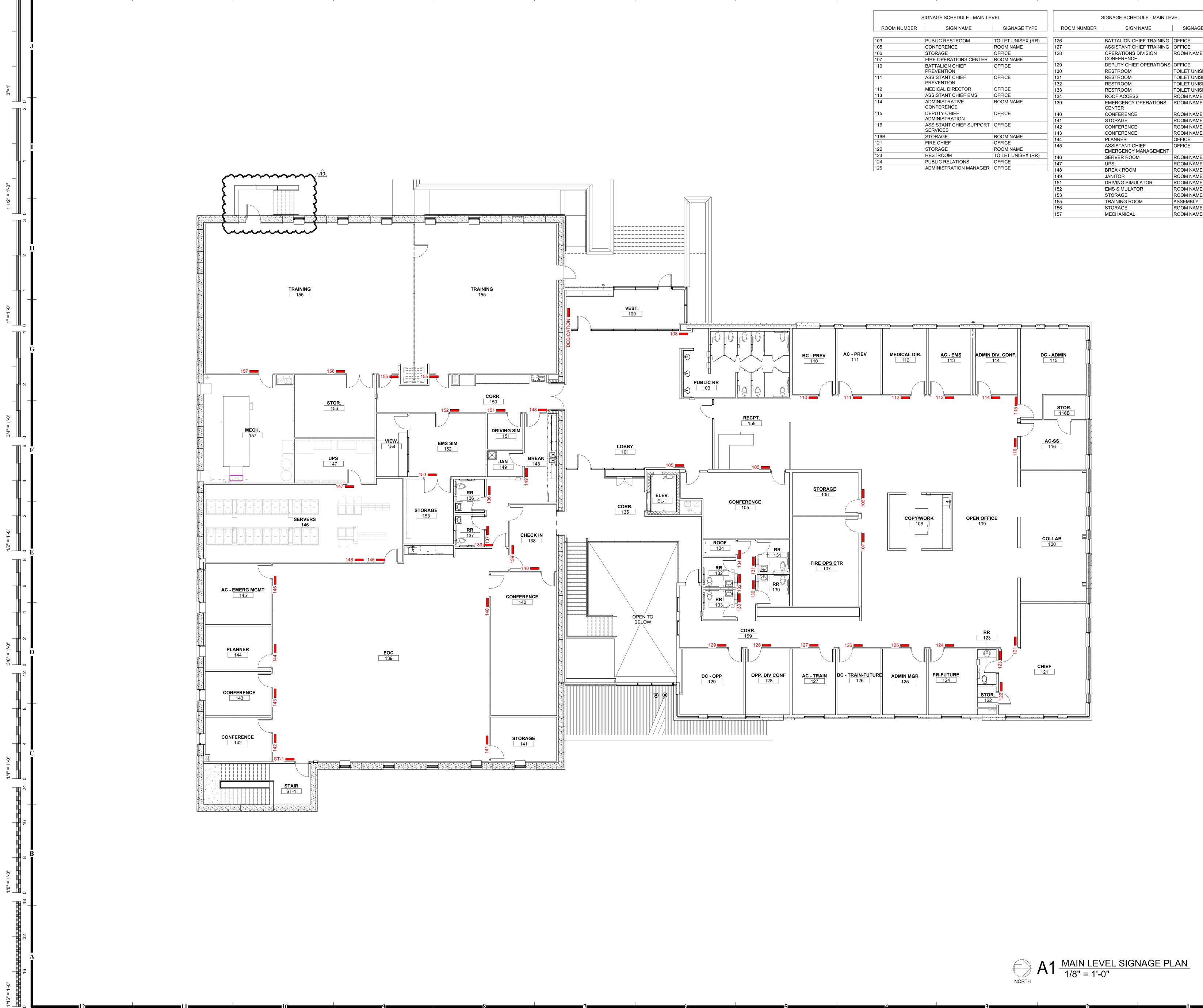


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	SIGNAGE SCHEDULE - LOWER LE	- V L L
ROOM NUMBER	SIGN NAME	SIGNAGE TYPE
000	UTILITY YARD	ROOM NAME
007	QUALITY ASSURANCE	OFFICE
008	FIRE SUPERVISOR	OFFICE
009	KITCHEN	ROOM NAME
011	COMMUNICATIONS CENTER	ROOM NAME
012	WOMEN	TOILET WOMEN (W-RR)
013	MEN	TOILET MEN (M-RR)
015	POLICE SUPERVISOR	OFFICE
016	POLICE CAPATIN	OFFICE
017	DISTPATCH TRAINING	OFFICE
019	CONFERENCE	ROOM NAME
020	WATER ROOM	ROOM NAME
021	ELECTRICAL ROOM	ROOM NAME
022	MEDIA ROOM	ROOM NAME
023	COMMUNICATIONS STORAGE	ROOM NAME
025	QUIET ROOM	ROOM NAME
027	QUIET ROOM	ROOM NAME
028	QUIET ROOM	ROOM NAME
029	QUIET ROOM	ROOM NAME
030	JANITOR	ROOM NAME
031	RESTROOM	TOILET UNISEX (RR)
032	CHANGING	ROOM NAME
033	CHANGING	ROOM NAME
034	CHANGING	ROOM NAME
035	LOCKER ROOM	ROOM NAME
036	SHOWER	ROOM NAME
038	ADA SHOWER	ROOM NAME
039	GENERAL STORAGE	ROOM NAME
040	ELECTRICAL ROOM	ROOM NAME
041	IT	ROOM NAME
042	LOCADING DOCK	ROOM NAME
045	INFORMATION TECHNOLOGY	ROOM NAME
047	IT WORK ROOM	ROOM NAME
)48	988	ROOM NAME
)49	FITNESS	ROOM NAME

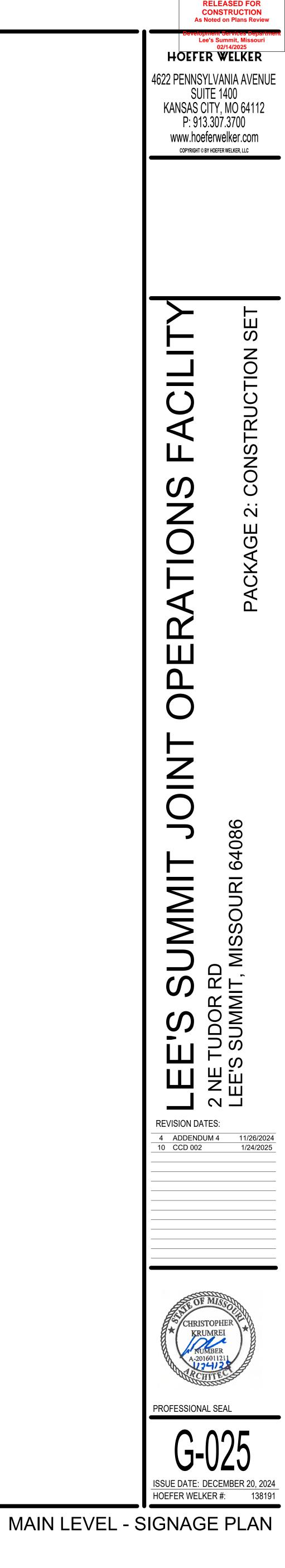


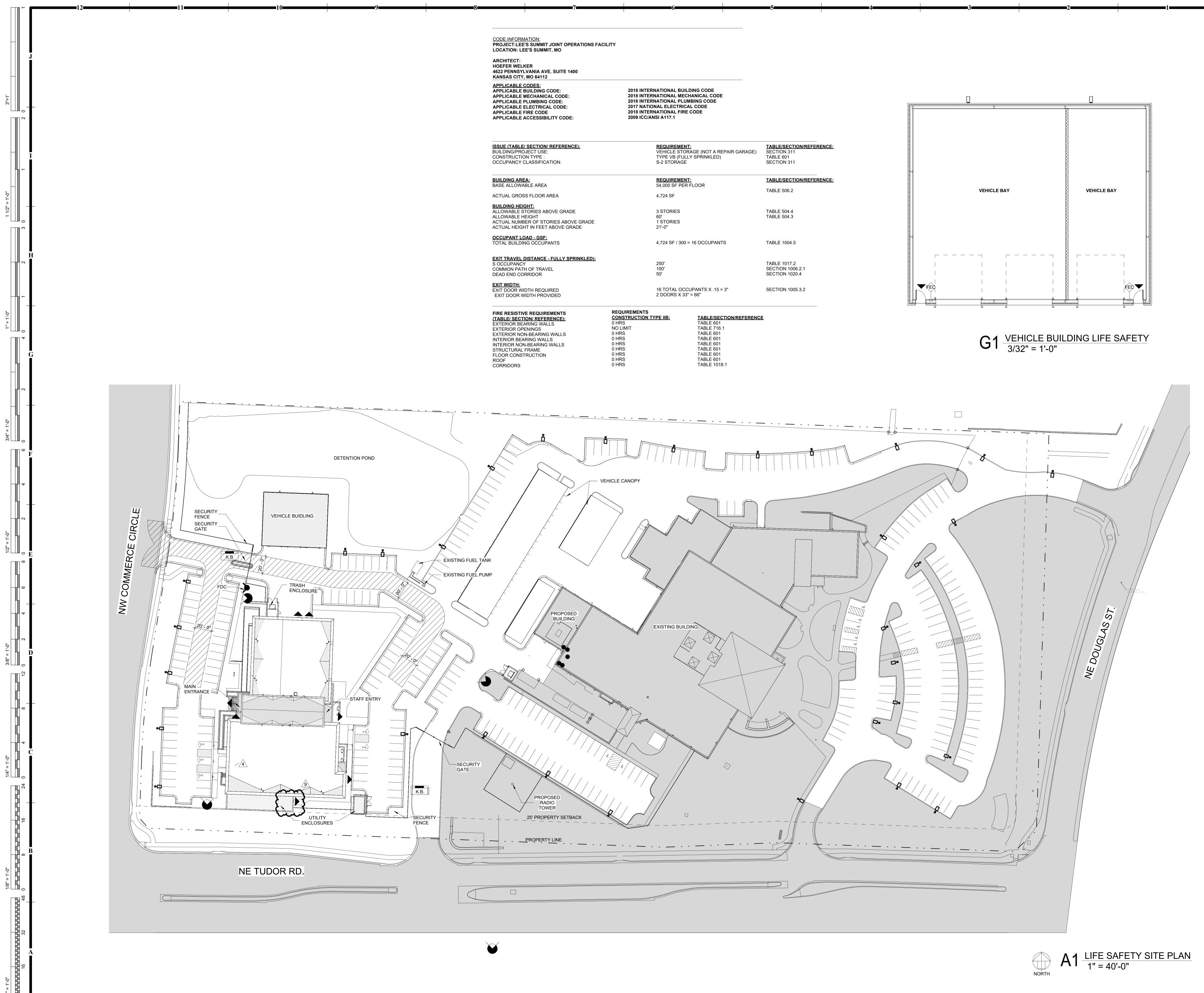


	SIGNAGE SCHEDULE - MAIN LE	 EVEL		SIGNAGE SCHEDULE - MAIN LEV	:VEL
ROOM NUMBER	SIGN NAME	SIGNAGE TYPE	ROOM NUMBER	SIGN NAME	SIGNAGE TYPE
103	PUBLIC RESTROOM	TOILET UNISEX (RR)	126	BATTALION CHIEF TRAINING	OFFICE
05	CONFERENCE	ROOM NAME	127	ASSISTANT CHIEF TRAINING	
106	STORAGE	OFFICE	128	OPERATIONS DIVISION	ROOM NAME
07	FIRE OPERATIONS CENTER	ROOM NAME		CONFERENCE	
110	BATTALION CHIEF	OFFICE	129	DEPUTY CHIEF OPERATIONS	OFFICE
	PREVENTION		130	RESTROOM	TOILET UNISEX (RR)
111	ASSISTANT CHIEF	OFFICE	131	RESTROOM	TOILET UNISEX (RR)
	PREVENTION	'	132	RESTROOM	TOILET UNISEX (RR)
112	MEDICAL DIRECTOR	OFFICE	133	RESTROOM	TOILET UNISEX (RR)
113	ASSISTANT CHIEF EMS	OFFICE	134	ROOF ACCESS	ROOM NAME
114	ADMINISTRATIVE CONFERENCE	ROOM NAME	139	EMERGENCY OPERATIONS CENTER	ROOM NAME
115	DEPUTY CHIEF	OFFICE	140	CONFERENCE	ROOM NAME
	ADMINISTRATION		141	STORAGE	ROOM NAME
116	ASSISTANT CHIEF SUPPORT	OFFICE	142		ROOM NAME
· ·	SERVICES		- 143	CONFERENCE	ROOM NAME
116B	STORAGE		- 144	PLANNER	OFFICE
121	FIRE CHIEF	OFFICE	- 145	ASSISTANT CHIEF	OFFICE
122	STORAGE		_	EMERGENCY MANAGEMENT	
123	RESTROOM	TOILET UNISEX (RR)	146	SERVER ROOM	ROOM NAME/FM200
124	PUBLIC RELATIONS	OFFICE	147	UPS	ROOM NAME
125	ADMINISTRATION MANAGER	OFFICE	148	BREAK ROOM	ROOM NAME
			149	JANITOR	ROOM NAME
			151		ROOM NAME
			152	EMS SIMULATOR	ROOM NAME
			153	STORAGE	
			155	TRAINING ROOM	ASSEMBLY /4

STORAGE MECHANICAL

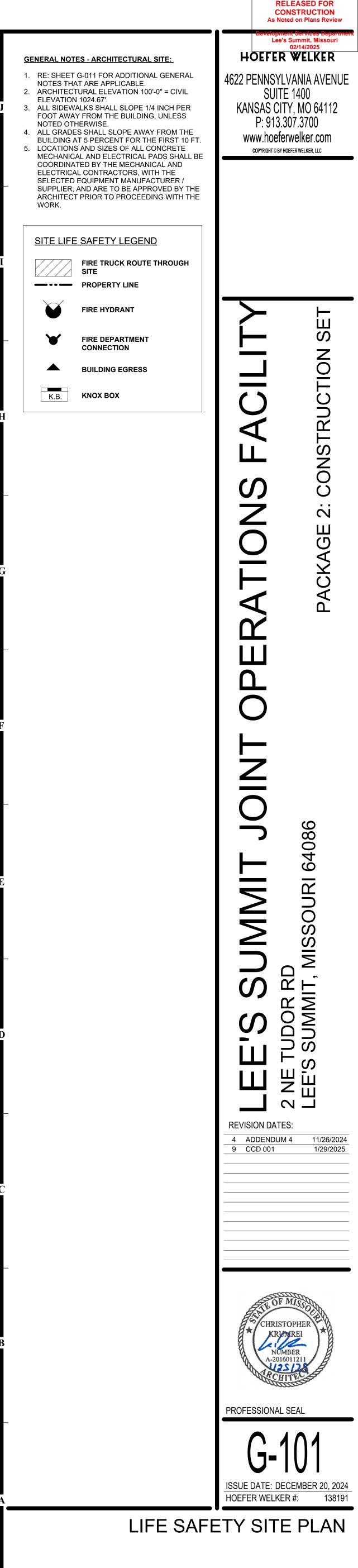
ROOM NAME ROOM NAME

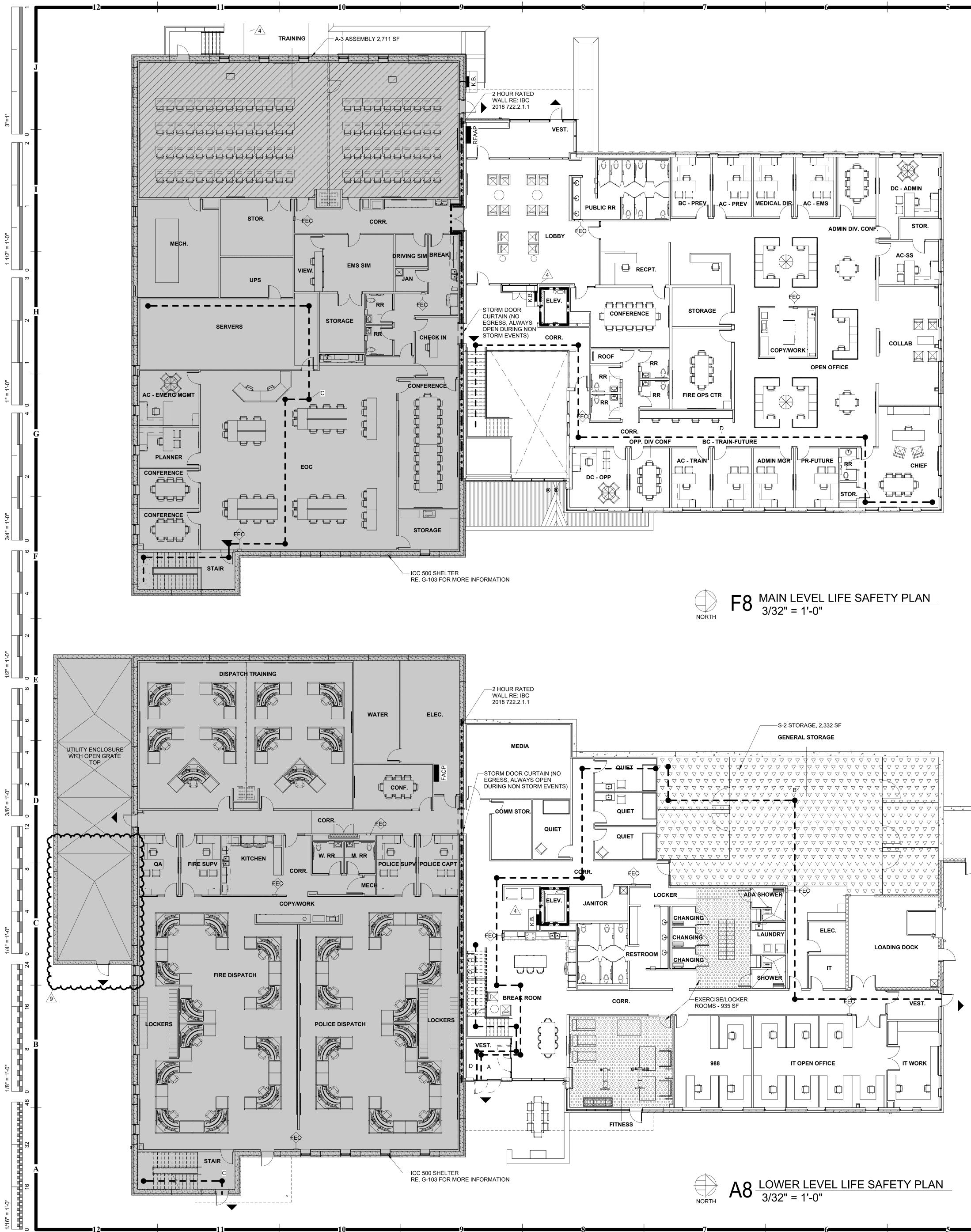




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CODE INFORMATION: PROJECT:LEE'S SUMMIT JOINT OPERATIONS FACILI LOCATION: LEE'S SUMMIT, MO ARCHITECT: HOEFER WELKER 4622 PENNSYLVANIA AVE. SUITE 1400 KANSAS CITY, MO 64112	ΤΥ	
APPLICABLE CODES: APPLICABLE BUILDING CODE: APPLICABLE MECHANICAL CODE: APPLICABLE PLUMBING CODE: APPLICABLE ELECTRICAL CODE: APPLICABLE FIRE CODE APPLICABLE ACCESSIBILITY CODE:	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2017 NATIONAL ELECTRICAL CODE 2018 INTERNATIONAL FIRE CODE 2009 ICC/ANSI A117.1	
ISSUE (TABLE/ SECTION/ REFERENCE): BUILDING/PROJECT USE: CONSTRUCTION TYPE : OCCUPANCY CLASSIFICATION:	<u>REQUIREMENT:</u> VEHICLE STORAGE (NOT A REPAIR GARAGE TYPE VB (FULLY SPRINKLED) S-2 STORAGE	TABLE/SECTION/REFEREN) SECTION 311 TABLE 601 SECTION 311
BUILDING AREA: BASE ALLOWABLE AREA	REQUIREMENT: 54,000 SF PER FLOOR	TABLE/SECTION/REFEREN
ACTUAL GROSS FLOOR AREA	4,724 SF	TABLE 506.2
<u>BUILDING HEIGHT:</u> ALLOWABLE STORIES ABOVE GRADE ALLOWABLE HEIGHT ACTUAL NUMBER OF STORIES ABOVE GRADE ACTUAL HEIGHT IN FEET ABOVE GRADE	3 STORIES 60' 1 STORIES 21'-0"	TABLE 504.4 TABLE 504.3
<u>OCCUPANT LOAD - GSF:</u> TOTAL BUILDING OCCUPANTS	4,724 SF / 300 = 16 OCCUPANTS	TABLE 1004.5
EXIT TRAVEL DISTANCE - FULLY SPRINKLED): S OCCUPANCY COMMON PATH OF TRAVEL DEAD END CORRIDOR EXIT WIDTH: EXIT DOOR WIDTH REQUIRED EXIT DOOR WIDTH PROVIDED	250' 100' 50' 16 TOTAL OCCUPANTS X .15 = 3" 2 DOORS X 33" = 66"	TABLE 1017.2 SECTION 1006.2.1 SECTION 1020.4 SECTION 1005.3.2
(TABLE/ SECTION/ REFERENCE): EXTERIOR BEARING WALLS EXTERIOR OPENINGS EXTERIOR NON-BEARING WALLS INTERIOR BEARING WALLS INTERIOR NON-BEARING WALLS STRUCTURAL FRAME FLOOR CONSTRUCTION ROOF	REQUIREMENTSCONSTRUCTION TYPE IIB:TABLE/SECTION/REFERENT0 HRSTABLE 6010 HRSTABLE 716.10 HRSTABLE 6010 HRSTABLE 601	<u>NCE</u>





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			LIFE SAFETY LE
CODE INFORMATION: PROJECT:LEE'S SUMMIT JOINT OPERATIONS FACILITY			
LOCATION: LEE'S SUMMIT, MO			
ARCHITECT: HOEFER WELKER 4622 PENNSYLVANIA AVE. SUITE 1400 KANSAS CITY, MO 64112			
APPLICABLE CODES: APPLICABLE BUILDING CODE: APPLICABLE MECHANICAL CODE: APPLICABLE PLUMBING CODE:	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE		FACP FIRE ALAR
APPLICABLE FLOMBING CODE: APPLICABLE ELECTRICAL CODE: APPLICABLE FIRE CODE APPLICABLE ACCESSIBILITY CODE:	2017 NATIONAL ELECTRICAL CODE 2018 INTERNATIONAL FIRE CODE 2009 ICC/ANSI A117.1		
APPLICABLE STORM SHELTER CODE:	2014 ICC 500		
ISSUE (TABLE/ SECTION/ REFERENCE): BUILDING/PROJECT USE: CONSTRUCTION TYPE : OCCUPANCY CLASSIFICATION: USE CLASSIFICATION	REQUIREMENT: BUSINESS TYPE IIB (FULLY SPRINKLED) A-3 - ASSEMBLY B - BUSINESS	TABLE/SECTION/REFERENCE: SECTION 304 TABLE 601 SECTION 303.4 SECTION 304	I STORM SHE
			∇ ∇ ∇ S-2 STORAG
BUILDING AREA: BASE ALLOWABLE AREA - NON SEPARATED MIXED USE A OCCUPANCY ALLOWABLE:	REQUIREMENT: 28,500 SF PER FLOOR	TABLE/SECTION/REFERENCE: TABLE 506.2	
ACTUAL GROSS FLOOR AREA LOWER LEVEL MAIN LEVEL TOTAL	21,817 SF 21,822 SF 43,639 SF	TABLE 500.2	
BUILDING HEIGHT:			
ALLOWABLE STORIES ABOVE GRADE ALLOWABLE HEIGHT ACTUAL NUMBER OF STORIES ABOVE GRADE ACTUAL HEIGHT IN FEET ABOVE GRADE	3 STORIES 75' 2 STORIES 40'-8"	TABLE 504.4 TABLE 504.3	CODE REQUIRED SIGNAGE N 1. CODE REQUIRED SIGNAGE CODES AND AUTHORITIE INCLUDING BUT NOT LIMI H
OCCUPANT LOAD - GSF: LOWER LEVEL			 ICC A117.1, ADAGA, FGI, A SHALL BE PROVIDED. CODE REQUIRED SIGNAGE
B OCCUPANCY B OCCUPANCY - EXERCISE/LOCKER ROOMS S-2 OCCUPANCY LOWER LEVEL TOTAL OCCUPANTS	18,550 SF / 150 = 124 OCCUPANTS 935 SF / 50 = 19 OCCUPANTS 2,332 SF / 300 = 8 OCCUPANTS 151 TOTAL LOWER LEVEL OCCUPANTS	TABLE 1004.5 TABLE 1004.5 TABLE 1004.5	SPECIFIED, AND INSTALL 3. CODE REQUIRED SIGNAG INSTALLED PRIOR TO RE INSPECTION IN ORDER TO
MAIN LEVEL B OCCUPANCY A-3 OCCUPANCY MAIN LEVEL TOTAL OCCUPANTS	19,111 SF / 150 = 128 OCCUPANTS 2,711 SF / 15 = 181 OCCUPANTS 309 TOTAL MAIN LEVEL OCCUPANTS	TABLE 1004.5 TABLE 1004.5	4. CODE REQUIRED SIGNAG PROJECT. SOME EXAMPL SIGNAGE INCLUDE BUT A
TOTAL BUILDING OCCUPANTS	460 TOTAL BUILDING OCCUPANTS		FOLLOWING: A. REQUIRED ACCESSIE a. ADA PARKING SP.
EXIT TRAVEL DISTANCE - FULLY SPRINKLED): A OCCUPANCY COMMON PATH OF TRAVEL	250' 75'	TABLE 1017.2 SECTION 1006.2.1	 b. ACCESSIBLE PAS c. ACCESSIBLE TOIL d. FAMILY OR ASSIS BATHING ROOMS
DEAD END CORRIDOR	20'	SECTION 1020.4	G B. DIRECTIONAL SIGNAC
B OCCUPANCY COMMON PATH OF TRAVEL DEAD END CORRIDOR	300' 100' 50'	TABLE 1017.2 SECTION 1006.2.1 SECTION 1020.4	a. AT EACH SEPARA BATHING ROOM II OF THE NEAREST TOILET OR BATHI
EXIT WIDTH: LOWER LEVEL EXIT DOOR WIDTH REQUIRED	151TOTAL OCCUPANTS X .15 = 23"	SECTION 1005.3.2	b. ALL EXITS AND EX REQUIRED ACCES
EXIT DOOR WIDTH PROVIDED MAIN LEVEL EXIT DOOR WIDTH REQUIRED EXIT DOOR WIDTH PROVIDED	4 DOORS X 33" = 132" 309 TOTAL OCCUPANTS X .15 = 47" 2 DOORS X 33" = 66"	SECTION 1005.3.2	c. DIRECTIONAL SIG LANDINGS TO SH C. OTHER CODE SIGNAC
EXIT STAIR WIDTH REQUIRED EXIT STAIR WIDTH PROVIDED	309/4 OCCUPANTS X .20 = 16" @ EACH STAIR 2 STAIRS 47" + 55" = 102"	SECTION 1005.3.1	a. ELEVATOR TWO- SYSTEMS b. INTERIOR EXIT ST FLOOR LEVEL SIC WITH ROOF ACCE
			c. ELECTRICAL ROC d. COMMUNICATION <u>e.</u> MAXIMUM CAPAC
FIRE RESISTIVE REQUIREMENTS REC	UIREMENTS		

FIRE RESISTIVE REQUIREMENTS (TABLE/ SECTION/ REFERENCE):	
EXTERIOR BEARING WALLS	
EXTERIOR OPENINGS	
EXTERIOR NON-BEARING WALLS	
INTERIOR BEARING WALLS	
INTERIOR NON-BEARING WALLS	
STRUCTURAL FRAME	
FLOOR CONSTRUCTION	
ROOF	
CORRIDORS	
SHAFT WALLS	
EXIT ACCESS STAIRWAYS	
STORM SHELTER	

REQUIREMENTS **CONSTRUCTION TYPE IIB:** 0 HRS NO LIMIT 0 HRS 1 HRS

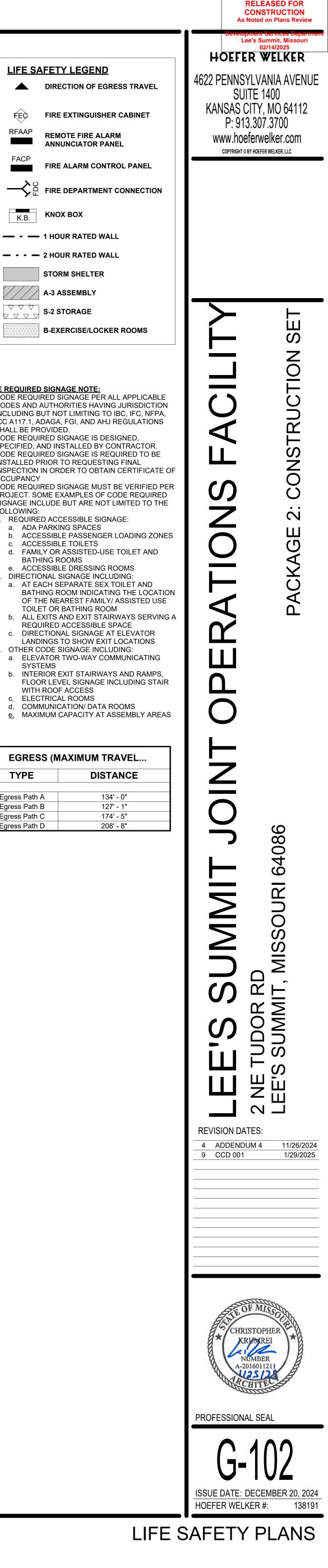
TABLE/SECTION/REFERENCE TABLE 601 TABLE 716.1 TABLE 601 TABLE 601 TABLE 601 TABLE 601 TABLE 601 TABLE 601

TABLE 1018.1 TABLE 713.4 TABLE 1019.3 2014 ICC 500 601.1

LUMBING FIXTURES REQUIRED CHART (IBC 2018 TABLE 2902.1):			
CCUPANT LOADS:	MALE	FEMALE	
- TOTAL OCCUPANT LOAD = 305 OCCUPANTS	153	153	-
- TOTAL OCCUPANT LOAD = 181 OCCUPANTS	91	91	_
		- 51	
ATER CLOSETS (IBC 2018 TABLE 2902.1):			
- OCCUPANT WATER CLOSETS REQUIRED			
PER 25 FOR THE FIRST 50 & 1 PER 50 FOR THE REMAINDER EXCEEDING 50)	5	5	-
- OCCUPANT WATER CLOSETS REQUIRED (1 PER 125 MALE, 1 PER 65 FEMALE)	1	2	-
OTAL WATER CLOSETS REQUIRED	6	7	-
OTAL WATER CLOSETS PROVIDED	1	1	20
AVATORIES (IBC 2018 TABLE 2902.1):			
- OCCUPANT LAVATORIES REQUIRED			
PER 40 FOR THE FIRST 80 & 1 PER 80 FOR THE REMAINDER EXCEEDING 80)	3	3	-
- OCCUPANT LAVATORIES REQUIRED (1 PER 200)	1	1	-
OTAL LAVATORIES REQUIRED	4	4	-
AVATORIES PROVIDED	1	1	12
RINKING FOUNTAINS (IBC 2018 TABLE 2902.1):			
- OCCUPANTS - (1 PER 100 TOTAL OCCUPANTS)		4	
- OCCUPANTS - (1 PER 500 TOTAL OCCUPANTS)		1	
OTAL DRINKING FOUNTAINS REQUIRED		5	
OTAL DRINKING FOUNTAINS (DF), AND FILTERED WATER (FW) PROVIDED	5 (2 DF + 3 F	-W)
ERVICE SINK (1 PER FLOOR)	- 0 (/	2	••,

0 HRS

2 HRS



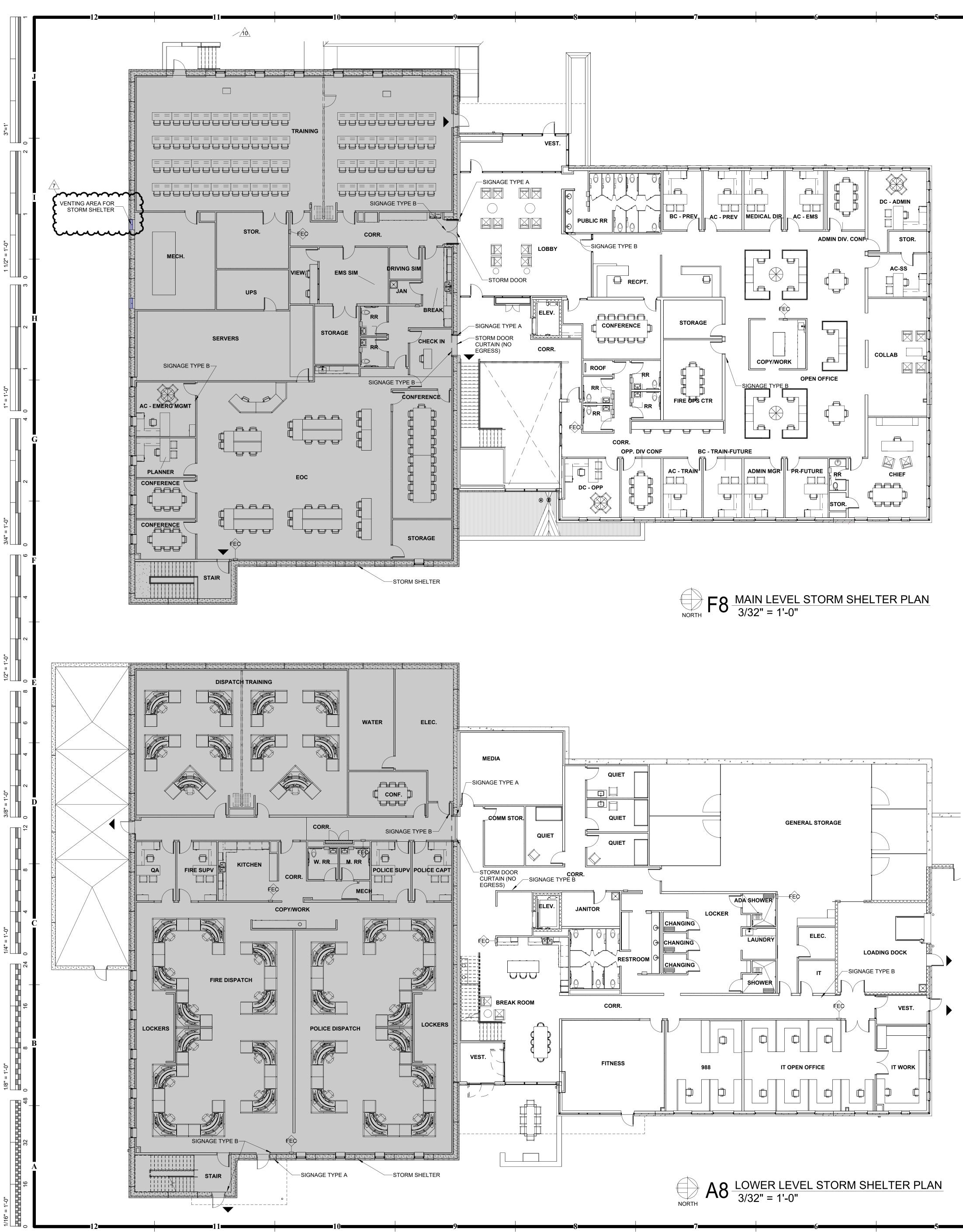
TYPE

Egress Path A

Egress Path B

Egress Path C

Egress Path D



SIGN CENTERLINE 60" AFF

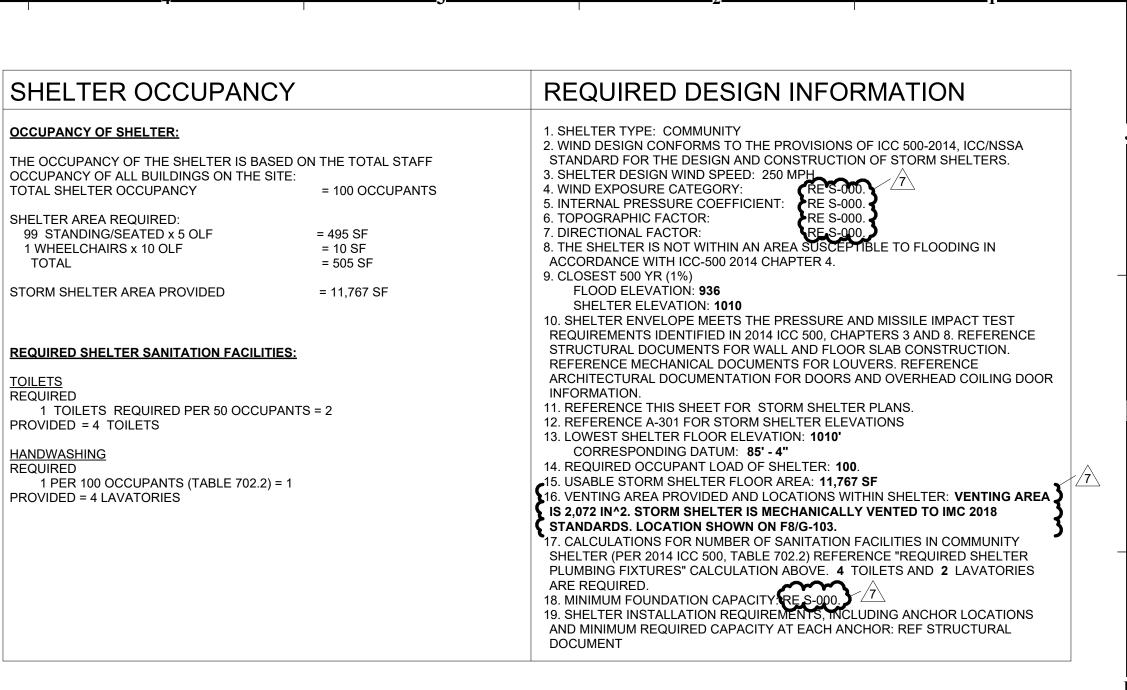
BOTTOM ACRYLIC PLATE, CHARACTERS, SHERWIN WILLIAMS

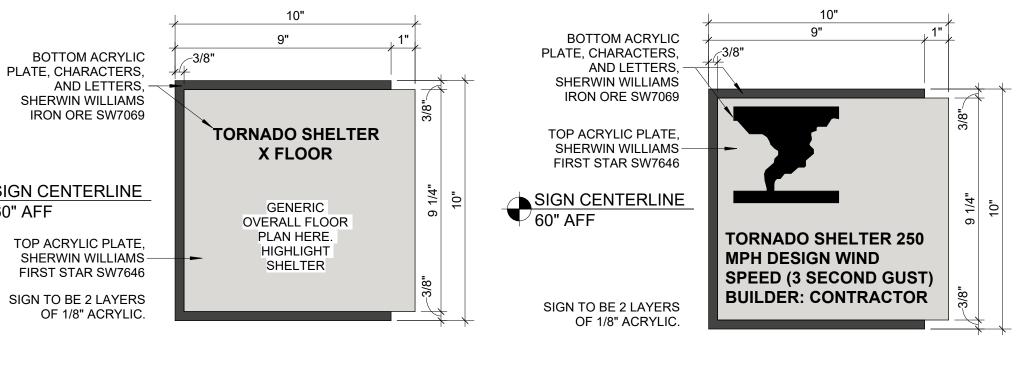
TOTAL STORM SHELTER AREA PROVIDED TOILETS REQUIRED

<u>HANDWASHING</u>

REQUIRED

OCCUPANCY OF SHELTER: TOTAL SHELTER OCCUPANCY SHELTER AREA REQUIRED: 99 STANDING/SEATED x 5 OLF 1 WHEELCHAIRS x 10 OLF



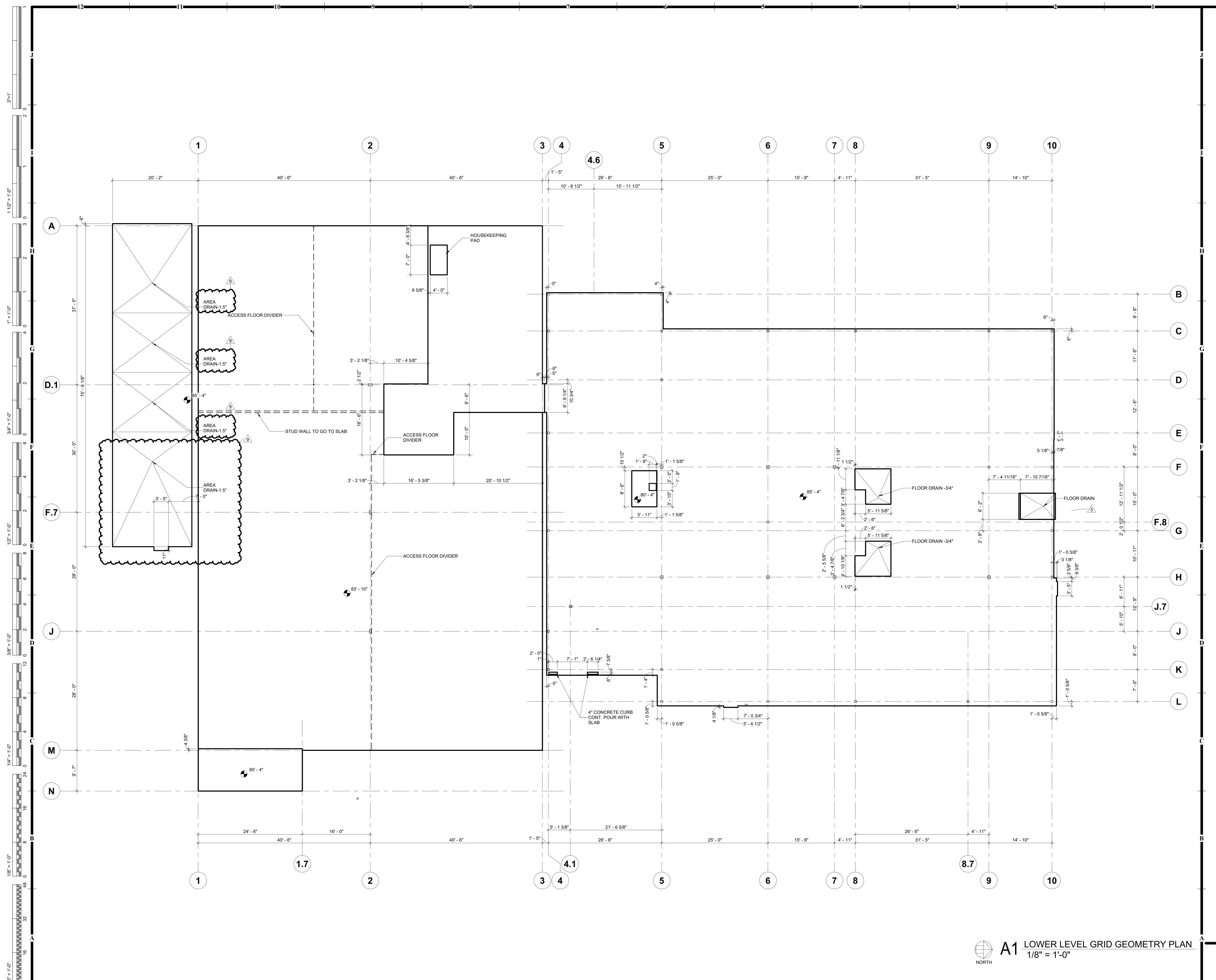


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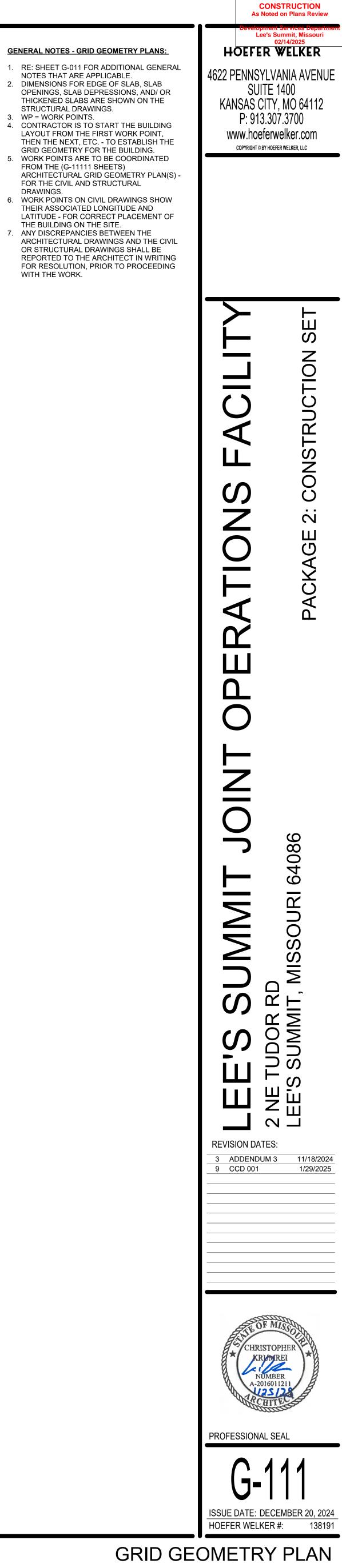
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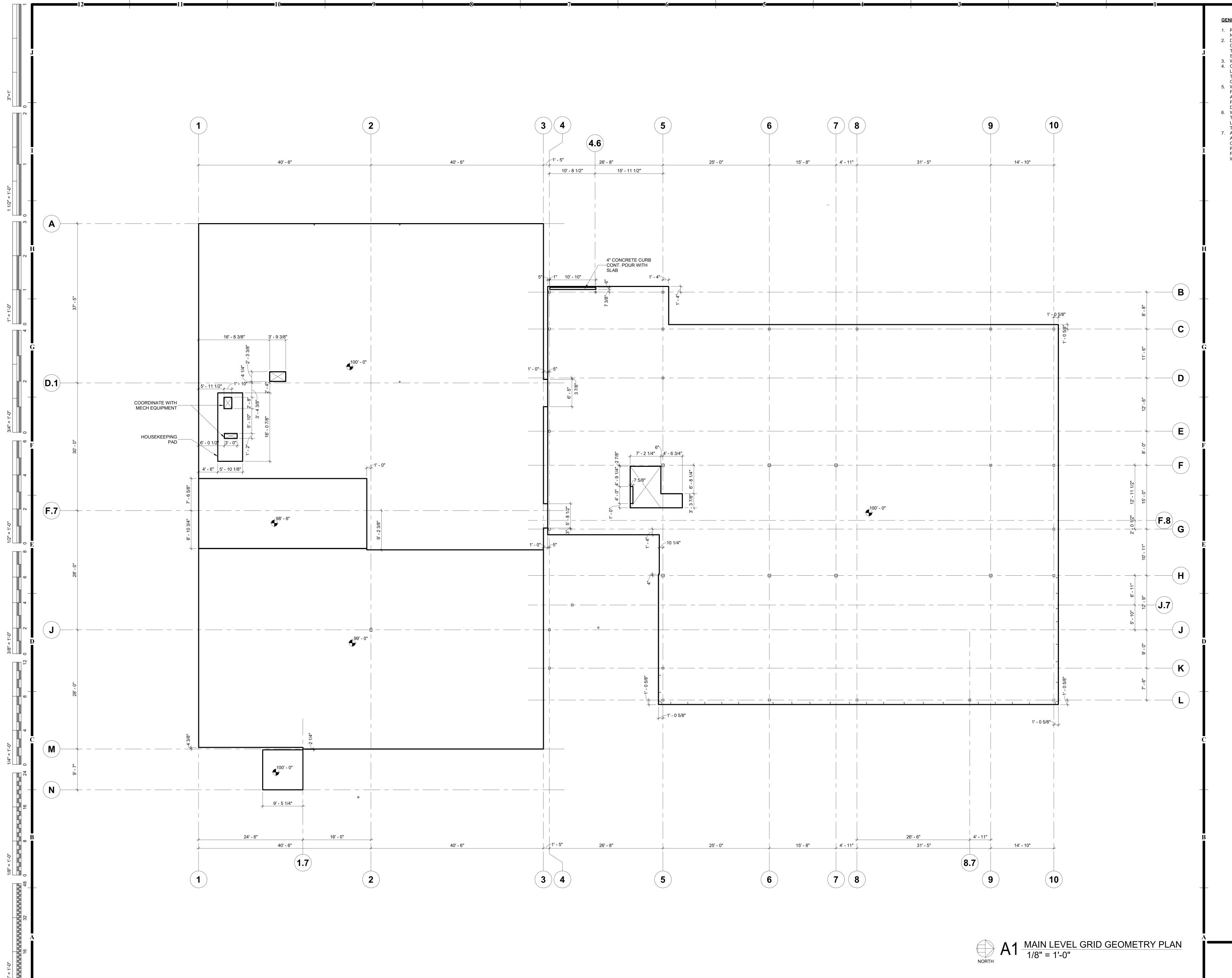
2. DIMENSIONS FOR EDGE OF SLAB, SLAB OPENINGS, SLAB DEPRESSIONS, AND/ OR THICKENED SLABS ARE SHOWN ON THE STRUCTURAL DRAWINGS. 3. WP = WORK POINTS. 4. CONTRACTOR IS TO START THE BUILDING LAYOUT FROM THE FIRST WORK POINT, GRID GEOMETRY FOR THE BUILDING. 5. WORK POINTS ARE TO BE COORDINATED

FROM THE (G-11111 SHEETS) DRAWINGS.

 6. WORK POINTS ON CIVIL DRAWINGS SHOW THEIR ASSOCIATED LONGITUDE AND LATITUDE - FOR CORRECT PLACEMENT OF

WITH THE WORK.





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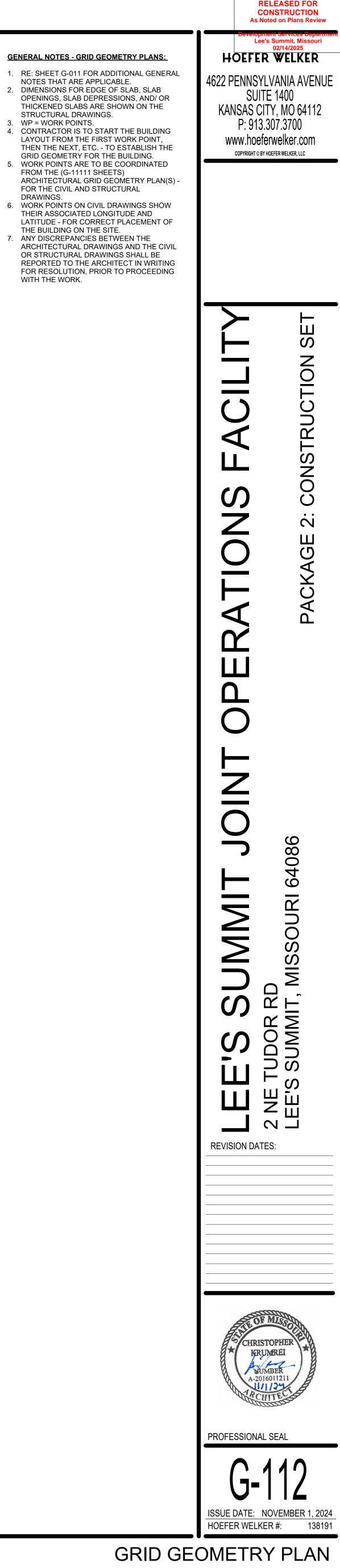
GENERAL NOTES - GRID GEOMETRY PLANS:

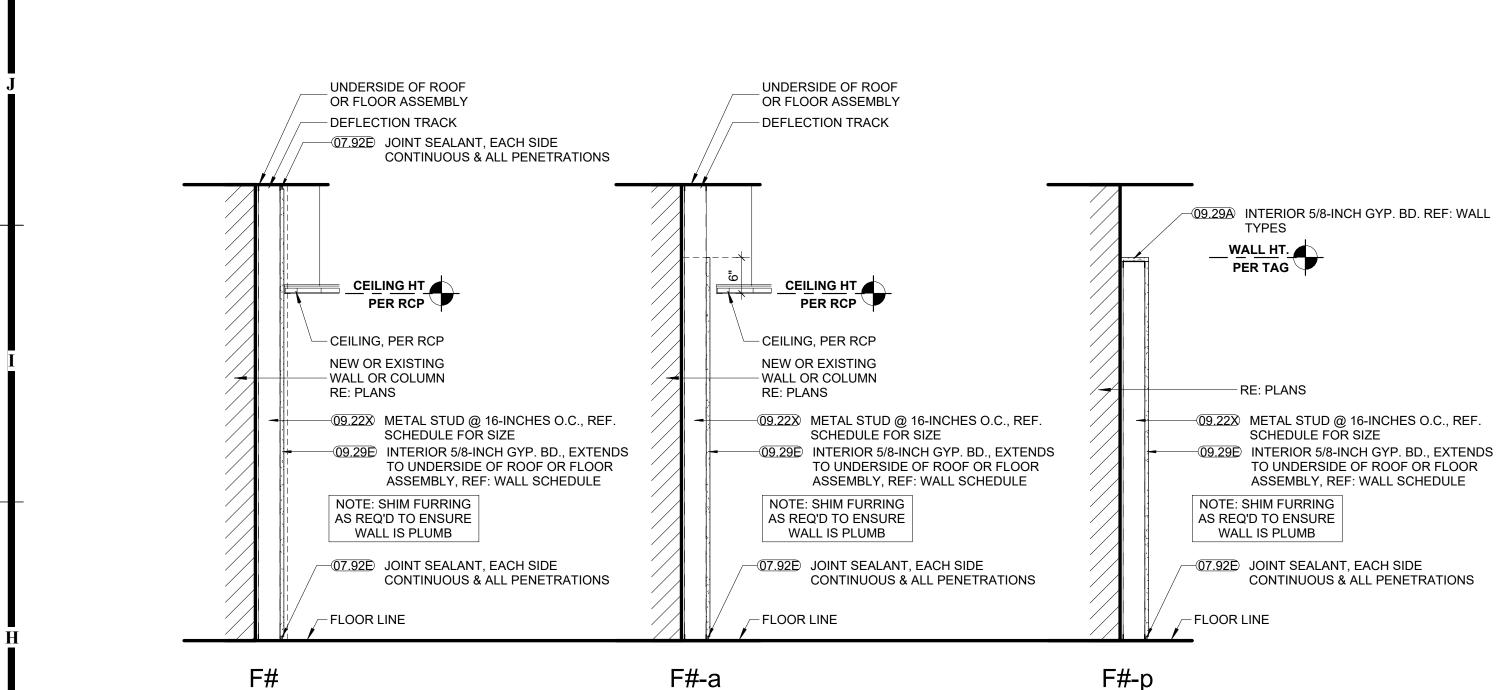
2. DIMENSIONS FOR EDGE OF SLAB, SLAB OPENINGS, SLAB DEPRESSIONS, AND/ OR THICKENED SLABS ARE SHOWN ON THE STRUCTURAL DRAWINGS. 3. WP = WORK POINTS.

LAYOUT FROM THE FIRST WORK POINT, THEN THE NEXT, ETC. - TO ESTABLISH THE GRID GEOMETRY FOR THE BUILDING. 5. WORK POINTS ARE TO BE COORDINATED FROM THE (G-11111 SHEETS) DRAWINGS.

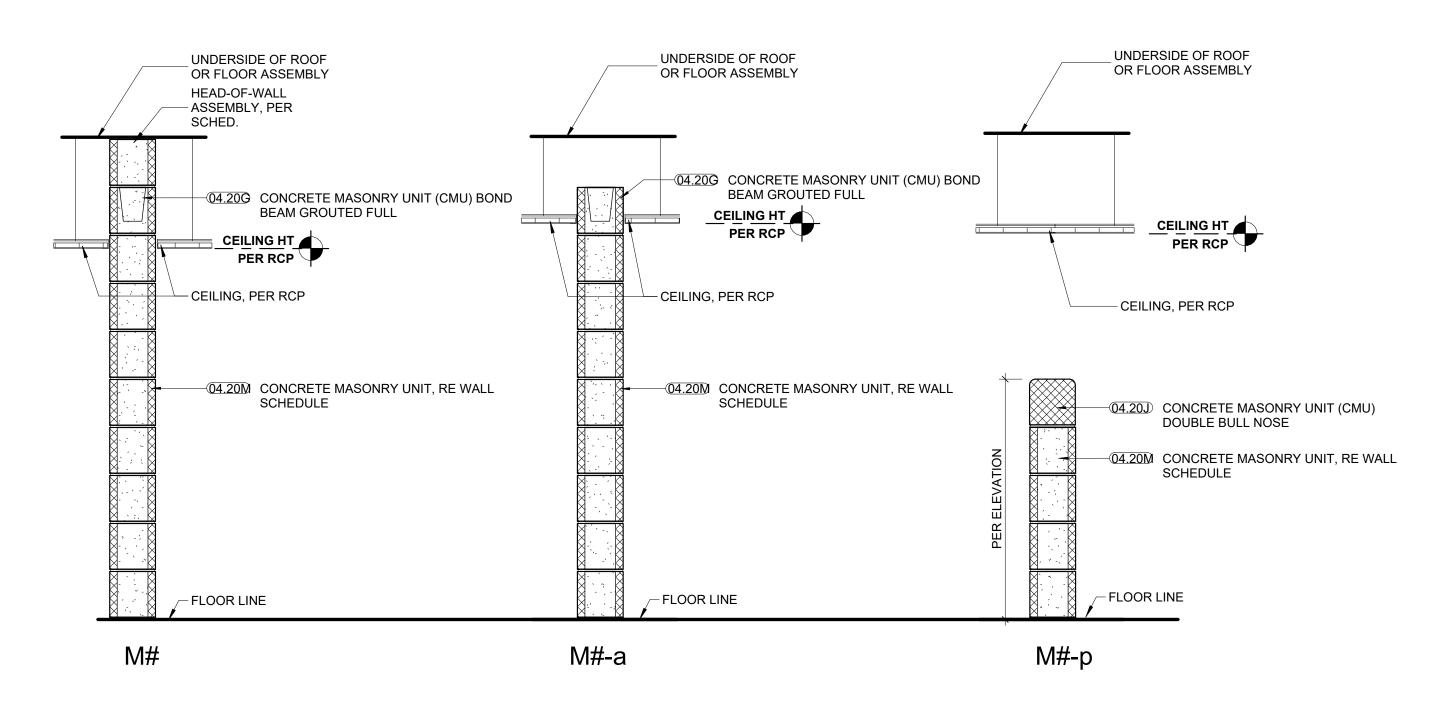
LATITUDE - FOR CORRECT PLACEMENT OF THE BUILDING ON THE SITE. 7. ANY DISCREPANCIES BETWEEN THE

REPORTED TO THE ARCHITECT IN WRITING FOR RESOLUTION, PRIOR TO PROCEEDING WITH THE WORK.





	TOTAL					INSULATION
MARK	THICKNESS	STUD SIZE	FIRE RATING (HR) OR EXTENTS	MODIFIER	GYPSUM_BOARD	THICKNESS
F0-a	1 1/2"	7/8"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", ONE SIDE	-
F1-a	2 1/4"	1 5/8"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", ONE SIDE	-
F1-av	2 7/8"	1 5/8"	a = PARTIAL HEIGHT WALL (RE: ELEVATIONS)	v = 2 LAYERS GYPSUM BOARD ON FITNESS SIDE, 1 LAYER ON OTHER	1 LAYER OF 5/8", ONE SIDE	-
F3	4 1/4"	3 5/8"	-	-	1 LAYER OF 5/8", ONE SIDE	3 1/2"
F3-a	4 1/4"	3 5/8"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", ONE SIDE	3 1/2"
F3-av	4 7/8"	3 5/8"	a = PARTIAL HEIGHT WALL (RE: ELEVATIONS)	v = 2 LAYERS GYPSUM BOARD ON FITNESS SIDE, 1 LAYER ON OTHER	1 LAYER OF 5/8", ONE SIDE	3 1/2"
F3-p	4 1/4"	3 5/8"	p = PARTIAL HEIGHT WALL (RE: ELEVATIONS)	•	1 LAYER OF 5/8", ONE SIDE	-
F6	6 5/8"	6"	-	-	1 LAYER OF 5/8", ONE SIDE	6"
F6-a	6 5/8"	6"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", ONE SIDE	6"



	M = MASONRY PARTITION TYPE					
MARK	TOTAL THICKNESS	FIRE RATING (HR) OR EXTENTS	MODIFIER			
M8	7 5/8"	-	-			
M8-1	7 5/8"	1 HOUR	-			
M8-2	7 5/8"	2 HOUR	-			

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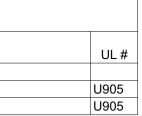
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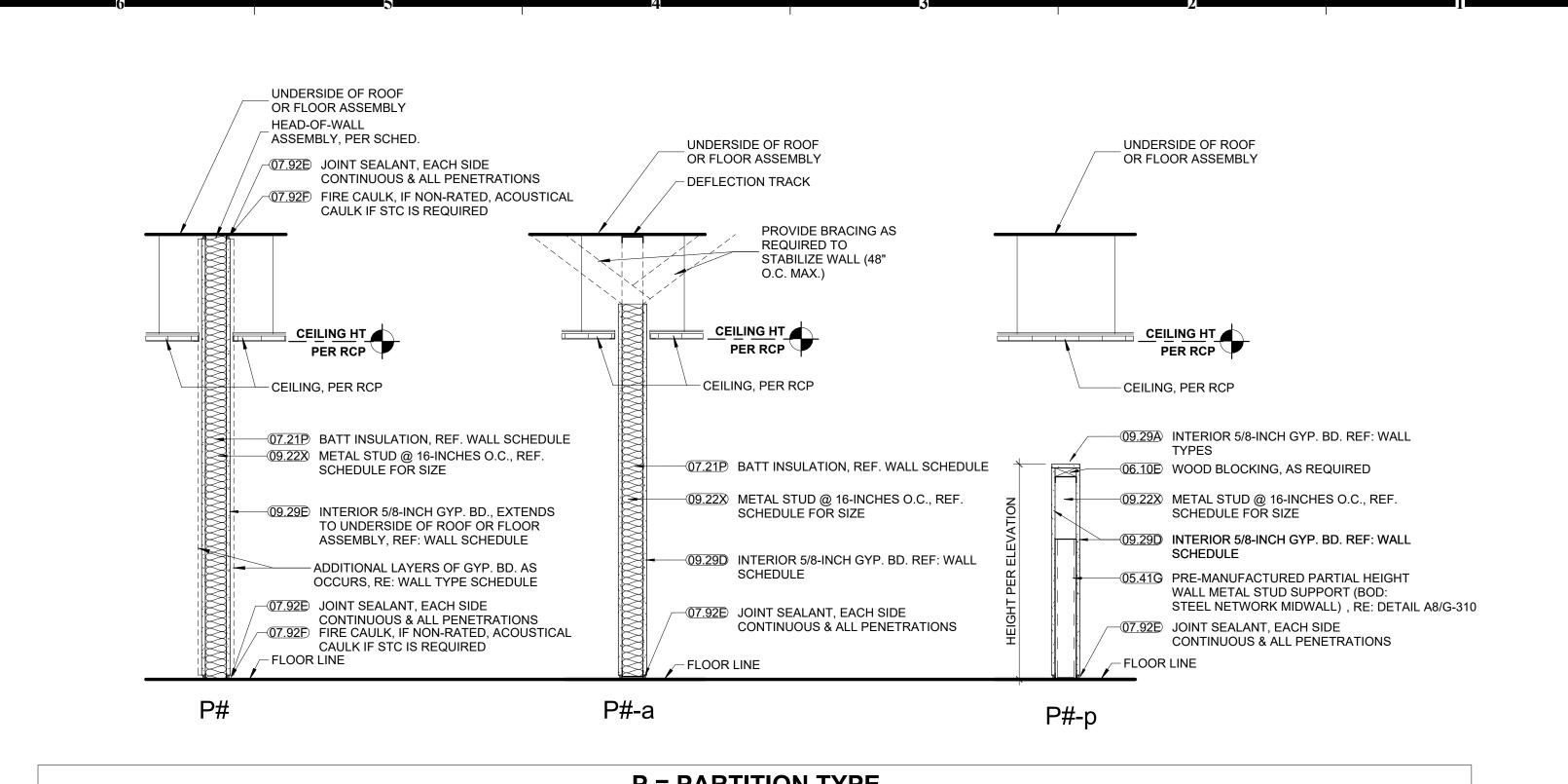
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1/8" = 1'-0"

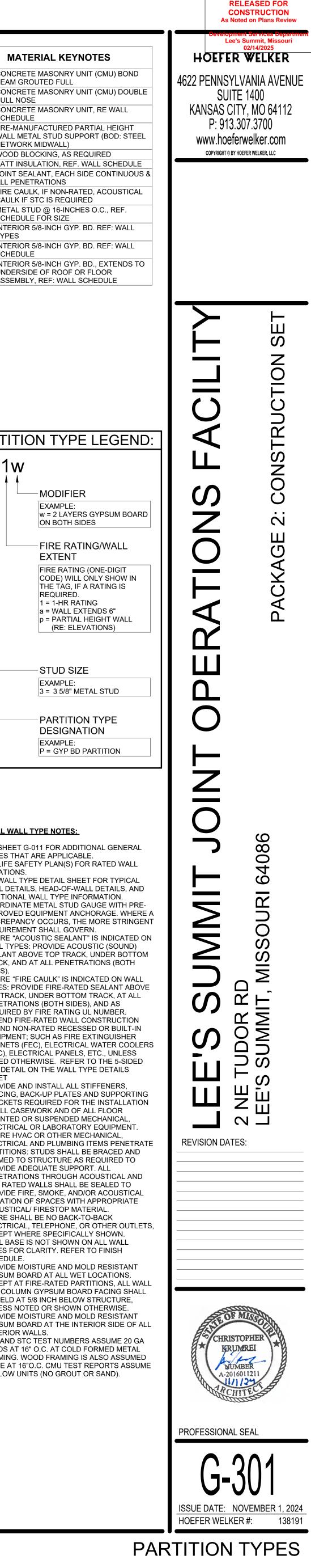


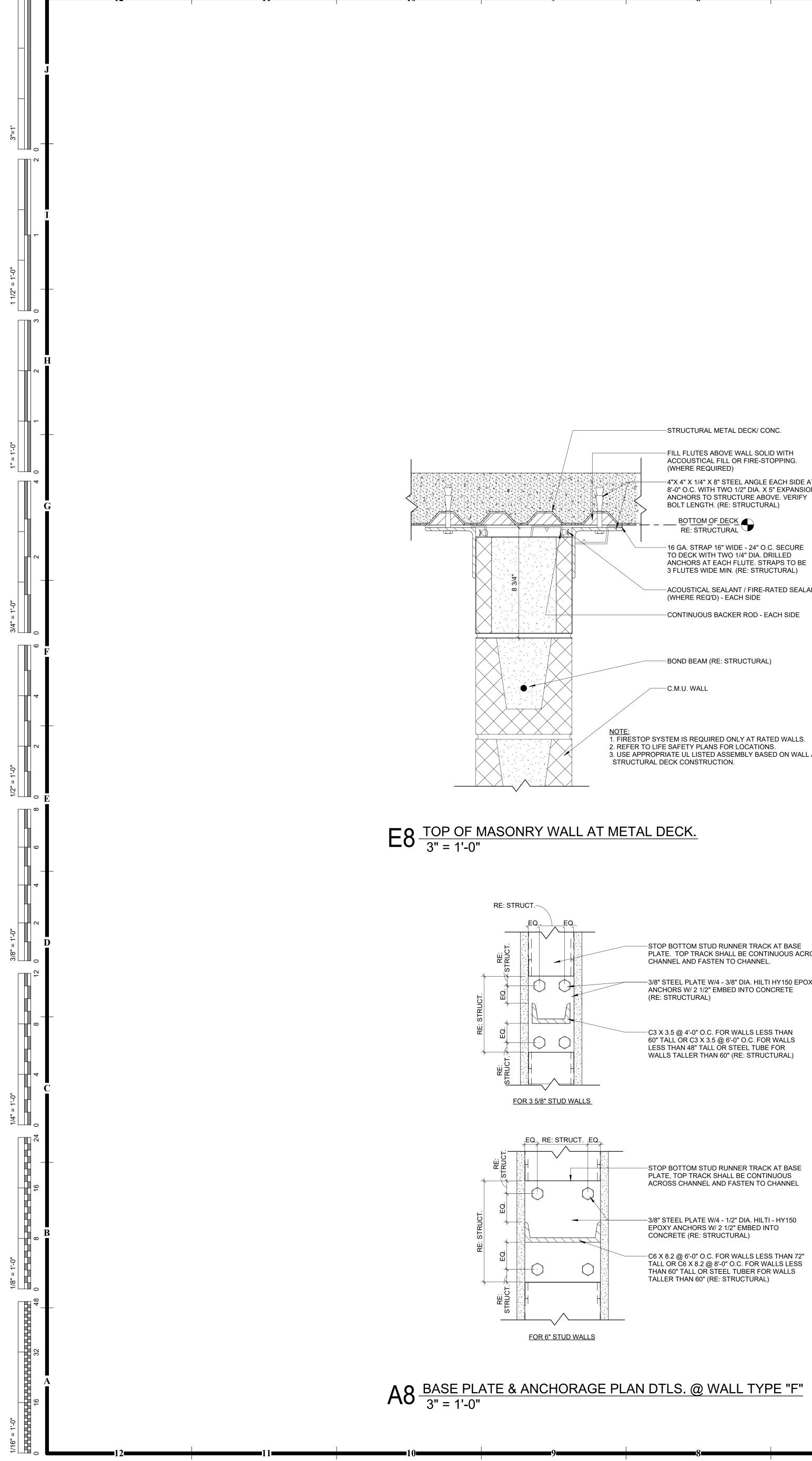


	TOTAL					INSULATION	
MARK	THICKNESS	STUD SIZE	FIRE RATING (HR) OR EXTENTS	MODIFIER	GYP BOARD	THICKNESS	UL #
P3	4 7/8"	3 5/8"	-	-	1 LAYER OF 5/8", BOTH SIDES	3 1/2"	
P3-a	4 7/8"	3 5/8"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", BOTH SIDES	3 1/2"	
P3-b	5 3/8"	3 5/8"	-	b = BALLISTIC RATED LEVEL III	1 LAYER OF 5/8", BOTH SIDES	3 1/2"	
Р3-р	4 7/8"	3 5/8"	p = PARTIAL HEIGHT WALL (RE: ELEVATIONS) -	1 LAYER OF 5/8", BOTH SIDES	-	
P3-v	5 1/2"	3 5/8"	-	v = 2 LAYERS GYPSUM BOARD ON FITNESS SIDE, 1 LAYER ON OTHER	2 LAYERS 5/8 ONE SIDE, 1 LAYER 5/8 ONE SIDE	3 1/2"	
P6	7 1/4"	6"	-	-	1 LAYER OF 5/8", BOTH SIDES	6"	
P6-a	7 1/4"	6"	a = EXTEND GYP 6" MIN ABOVE CEILING	-	1 LAYER OF 5/8", BOTH SIDES	6"	
P6-v	7 7/8"	6"	-	v = 2 LAYERS GYPSUM BOARD ON FITNESS SIDE, 1 LAYER ON OTHER	2 LAYERS 5/8 ONE SIDE, 1 LAYER 5/8 ONE SIDE	6"	
P8	9 1/4"	8"	-	-	1 LAYER OF 5/8", BOTH SIDES	6"	

P = PARTITION TYPE

		MATERIAL KE
	04.20G	CONCRETE MASONRY BEAM GROUTED FULL
	04.20J	CONCRETE MASONRY
J	04.20M	CONCRETE MASONRY
	05.41G	PRE-MANUFACTURED
	06.10E	NETWORK MIDWALL) WOOD BLOCKING, AS
	07.21P 07.92E	BATT INSULATION, RE JOINT SEALANT, EACI
_	07.92E	ALL PENETRATIONS
	09.22X	CAULK IF STC IS REQ METAL STUD @ 16-IN
	09.29A	SCHEDULE FOR SIZE
	09.29D	TYPES INTERIOR 5/8-INCH G
T	09.29E	SCHEDULE
I	00.202	UNDERSIDE OF ROOF ASSEMBLY, REF: WAL
_		
∎ H		
Î		RTITION TYP
	P3	-1w
_		EXAMPLE w = 2 LAY
		ON BOTH
		FIRE R
		EXTEN
∎ G		FIRE RAT CODE) W
		THE TAG REQUIRE
		1 = 1-HR a = WALL a = DABT
		p = PART (RE: E
_		
		EXAMPLE
		3 = 3 5/8"
		PARTIT
F		DESIG
Ì		EXAMPLE P = GYP
	OFNER	
	NC	: SHEET G-011 FOR AD TES THAT ARE APPLIC : LIFE SAFETY PLAN(S
	LO	CATIONS. : WALL TYPE DETAIL S
Ē	WA	ALL DETAILS, HEAD-OF DITIONAL WALL TYPE
	4. CC AP	ORDINATE METAL STU PROVED EQUIPMENT
	RE	SCREPANCY OCCURS, QUIREMENT SHALL GO
	WA	IERE "ACOUSTIC SEAL
	TR	ALANT ABOVE TOP TR ACK, AND AT ALL PENI DES).
	6. WH	iere "Fire Caulk" is Pes: provide fire-r/
	TO	P TRACK, UNDER BOT NETRATIONS (BOTH S
	RE	QUIRED BY FIRE RATII TEND FIRE-RATED WA
	EQ	HIND NON-RATED REC UIPMENT; SUCH AS FI
D	(EV	BINETS (FEC), ELECTR
	BO	TED OTHERWISE. REI X DETAIL ON THE WAL
	8. PR	EET OVIDE AND INSTALL A ACING, BACK-UP PLAT
	BR	ACING, BACK-OF FLAT ACKETS REQUIRED FO ALL CASEWORK AND
	MC	OUNTED OR SUSPENDE
	9. WH	ERE HVAC OR OTHER
	PA	RTITIONS: STUDS SHA AMED TO STRUCTURE
	PE	OVIDE ADEQUATE SUR NETRATIONS THROUG
	PR	RE RATED WALLS SHAL OVIDE FIRE, SMOKE, A
C	AC	DLATION OF SPACES W OUSTICAL/ FIRESTOP
	EL	ERE SHALL BE NO BAC ECTRICAL, TELEPHON
	11. WA	CEPT WHERE SPECIFI
	SC	PES FOR CLARITY. RE HEDULE.
	GY	OVIDE MOISTURE AND PSUM BOARD AT ALL CEPT AT FIRE-RATED
╉	AN	D COLUMN GYPSUM B HELD AT 5/8 INCH BEL
	UN	LESS NOTED OR SHOW
	GY	PSUM BOARD AT THE TERIOR WALLS.
	15. ST	C AND STC TEST NUM UDS AT 16" O.C. AT CC
B	FR TO	AMING. WOOD FRAMIN BE AT 16"O.C. CMU TE
		LLOW UNITS (NO GRO
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-FILL FLUTES ABOVE WALL SOLID WITH ACCOUSTICAL FILL OR FIRE-STOPPING. (WHERE REQUIRED) -4"X 4" X 1/4" X 8" STEEL ANGLE EACH SIDE AT 8'-0" O.C. WITH TWO 1/2" DIA. X 5" EXPANSION ANCHORS TO STRUCTURE ABOVE. VERIFY BOLT LENGTH. (RE: STRUCTURAL) BOTTOM OF DECK RE: STRUCTURAL

-STRUCTURAL METAL DECK/ CONC.

- 16 GA. STRAP 16" WIDE - 24" O.C. SECURE TO DECK WITH TWO 1/4" DIA. DRILLED ANCHORS AT EACH FLUTE. STRAPS TO BE

3 FLUTES WIDE MIN. (RE: STRUCTURAL) -ACOUSTICAL SEALANT / FIRE-RATED SEALANT (WHERE REQ'D) - EACH SIDE

-CONTINUOUS BACKER ROD - EACH SIDE

-BOND BEAM (RE: STRUCTURAL)

-C.M.U. WALL

1. FIRESTOP SYSTEM IS REQUIRED ONLY AT RATED WALLS. 2. REFER TO LIFE SAFETY PLANS FOR LOCATIONS. 3. USE APPROPRIATE UL LISTED ASSEMBLY BASED ON WALL AND STRUCTURAL DECK CONSTRUCTION.

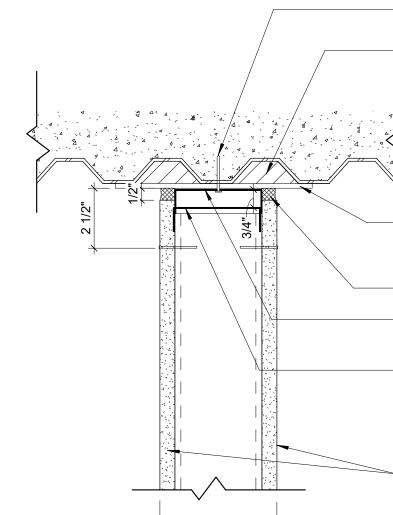
-STOP BOTTOM STUD RUNNER TRACK AT BASE PLATE. TOP TRACK SHALL BE CONTINUOUS ACROSS CHANNEL AND FASTEN TO CHANNEL. -3/8" STEEL PLATE W/4 - 3/8" DIA. HILTI HY150 EPOXY ANCHORS W/ 2 1/2" EMBED INTO CONCRETE (RE: STRUCTURAL)

-----C3 X 3.5 @ 4'-0" O.C. FOR WALLS LESS THAN 60" TALL OR C3 X 3.5 @ 6'-0" O.C. FOR WALLS LESS THAN 48" TALL OR STEEL TUBE FOR WALLS TALLER THAN 60" (RE: STRUCTURAL)

STOP BOTTOM STUD RUNNER TRACK AT BASE PLATE, TOP TRACK SHALL BE CONTINUOUS ACROSS CHANNEL AND FASTEN TO CHANNEL

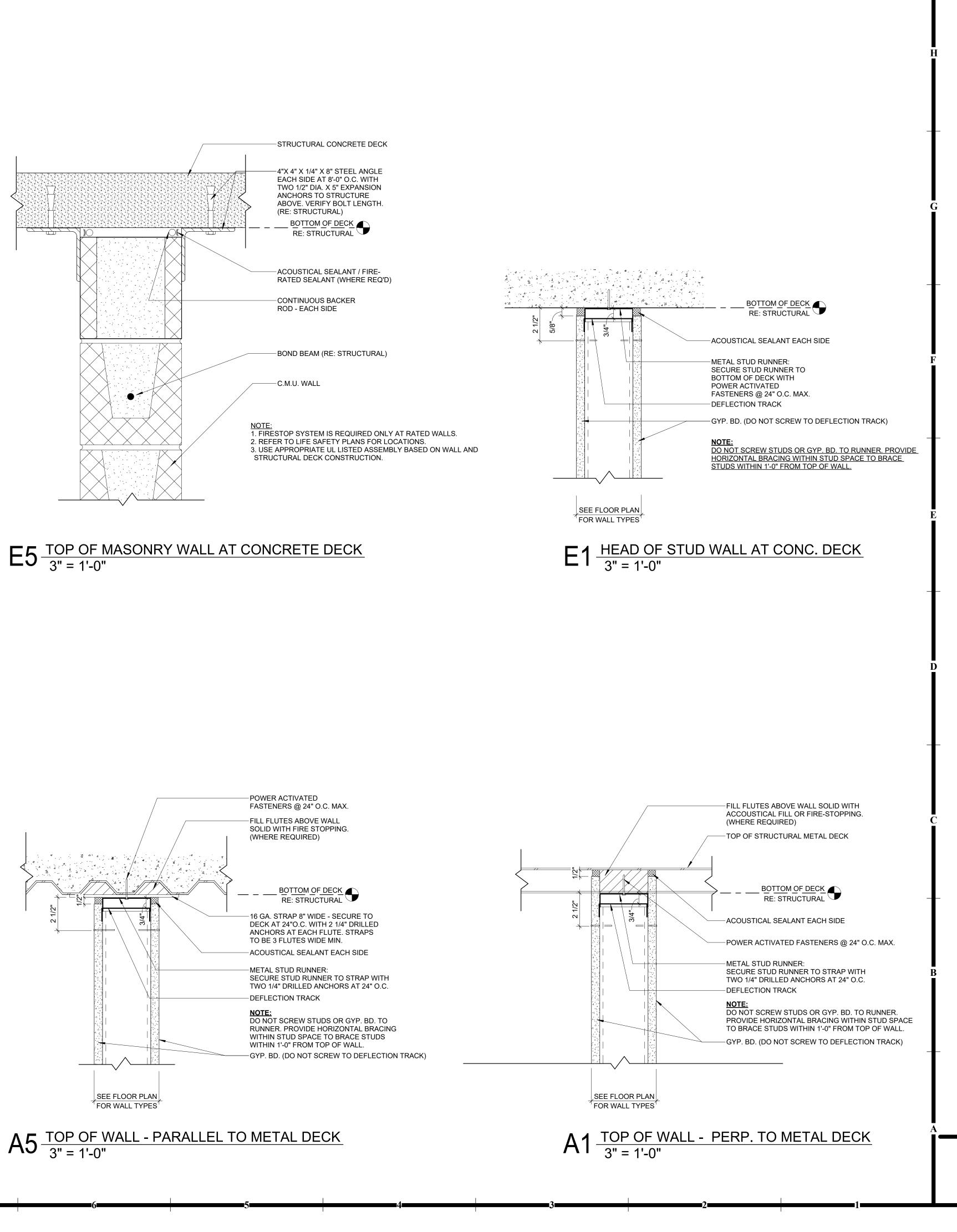
— 3/8" STEEL PLATE W/4 - 1/2" DIA. HILTI - HY150 EPOXY ANCHORS W/ 2 1/2" EMBED INTO CONCRETE (RE: STRUCTURAL)

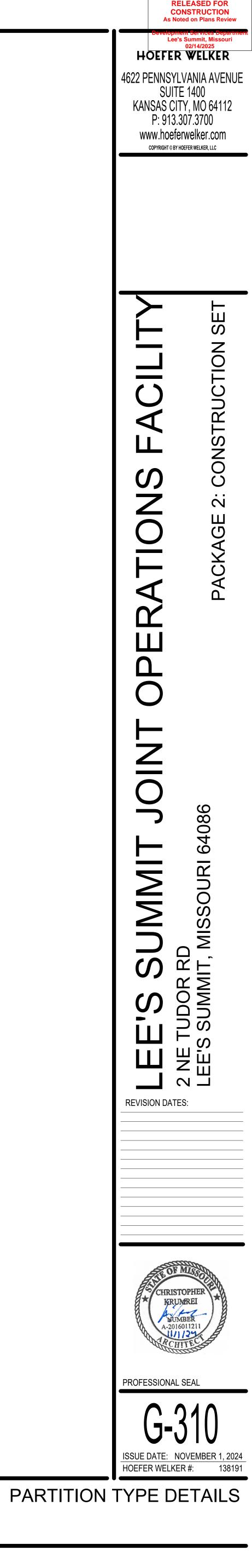
-C6 X 8.2 @ 6'-0" O.C. FOR WALLS LESS THAN 72" TALL OR C6 X 8.2 @ 8'-0" O.C. FOR WALLS LESS THAN 60" TALL OR STEEL TUBER FOR WALLS TALLER THAN 60" (RE: STRUCTURAL)

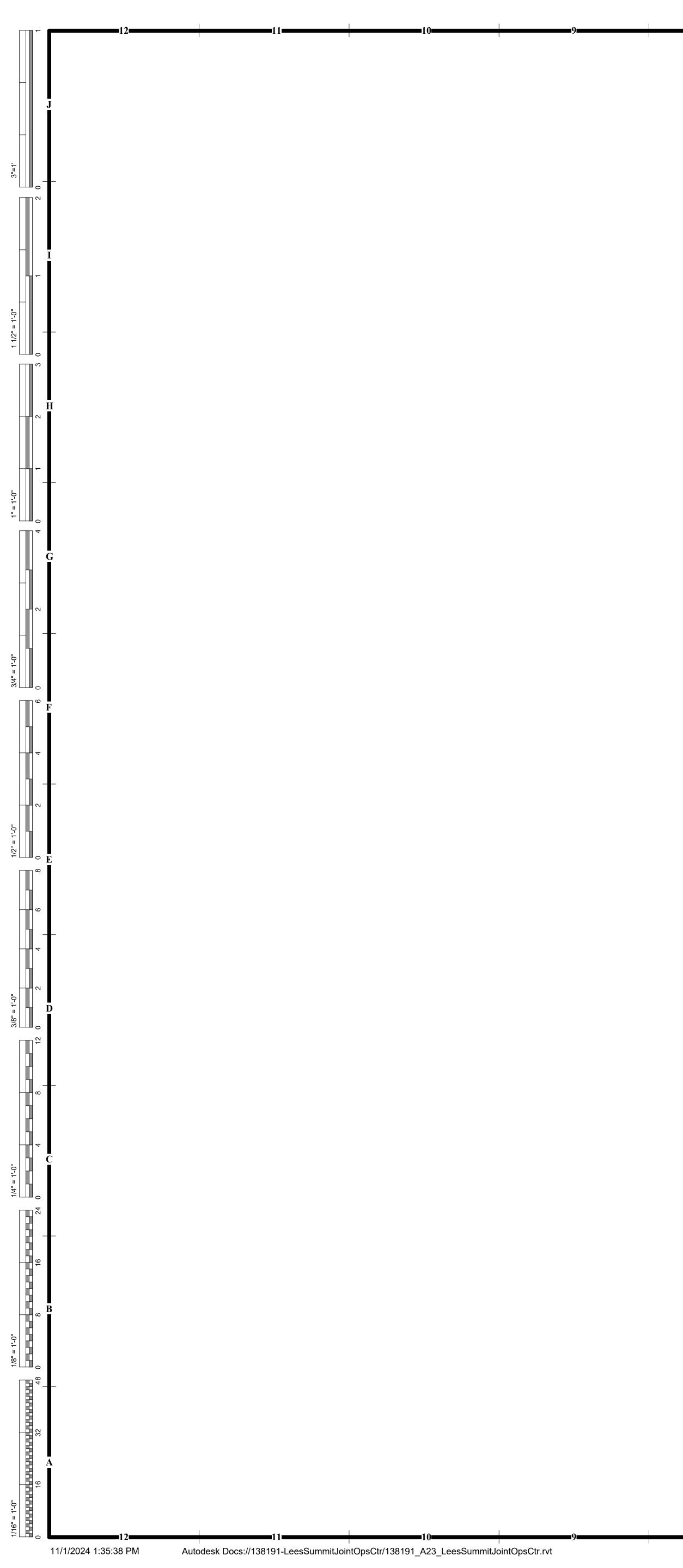


(WHERE REQUIRED)

BOTTOM OF DECK RE: STRUCTURAL







Design N

November

Bearing Wall Ra

Nonbearing Wall

This design was evaluated using a load design Method (e.g., Working Stress Design Method) Design Method, such as Canada, a load restricti <u>BXU</u>

* Indicates such products shall bear the UL employing the UL or cUL Certificati

(2)
 1. Concrete Blocks* — Various designs. Classification D-2 (2 hr).
 See Concrete Blocks category for list of eligible manufacturers.

3

2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of n part Portland cement (proportioned by volume) and not more than !

Portland Cement Stucco or Gypsum Plaster — Add 1/2 hr to claplaster or stucco must be applied on the face opposite framing to ac 1).

4. Loose Masonry Fill — If all core spaces are filled with loose dry exversion of the second second

5. Foamed Plastic* — (Optional-Not Shown) — 1-1/2 in. thick max, ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation", "EnergyShield Pro Wall Pro Wall Pro Wall Insulation", "EnergyShield Pro Wall Pr

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

DUPONT DE NEMOURS, INC. — Types Thermax Sheathing, Thermax Ligh Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XA Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Sty

FIRESTONE BUILDING PRODUCTS COLLC — "Enverge™ CI Foil Exterior

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIA

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — Types "TSX-8500" FR Air Barrier", "Thermasheath-XP", "Thermasheath", "Durasheath", "Therm

JOHNS MANVILLE — Type "AP Foil-Faced Foam Sheathing"

5A. **Building Units*** — As an alternate to Items 5, min. 1-in thick poly or 96 in.

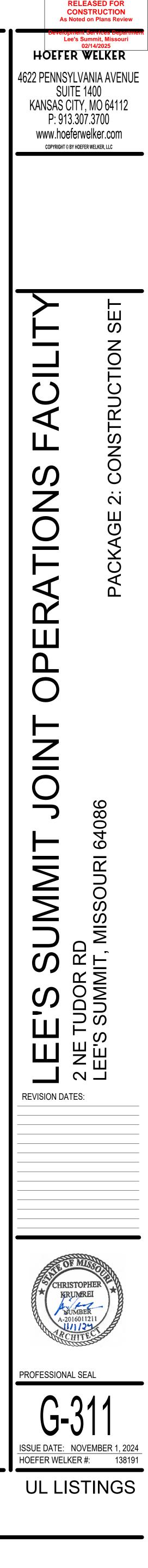
HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIA

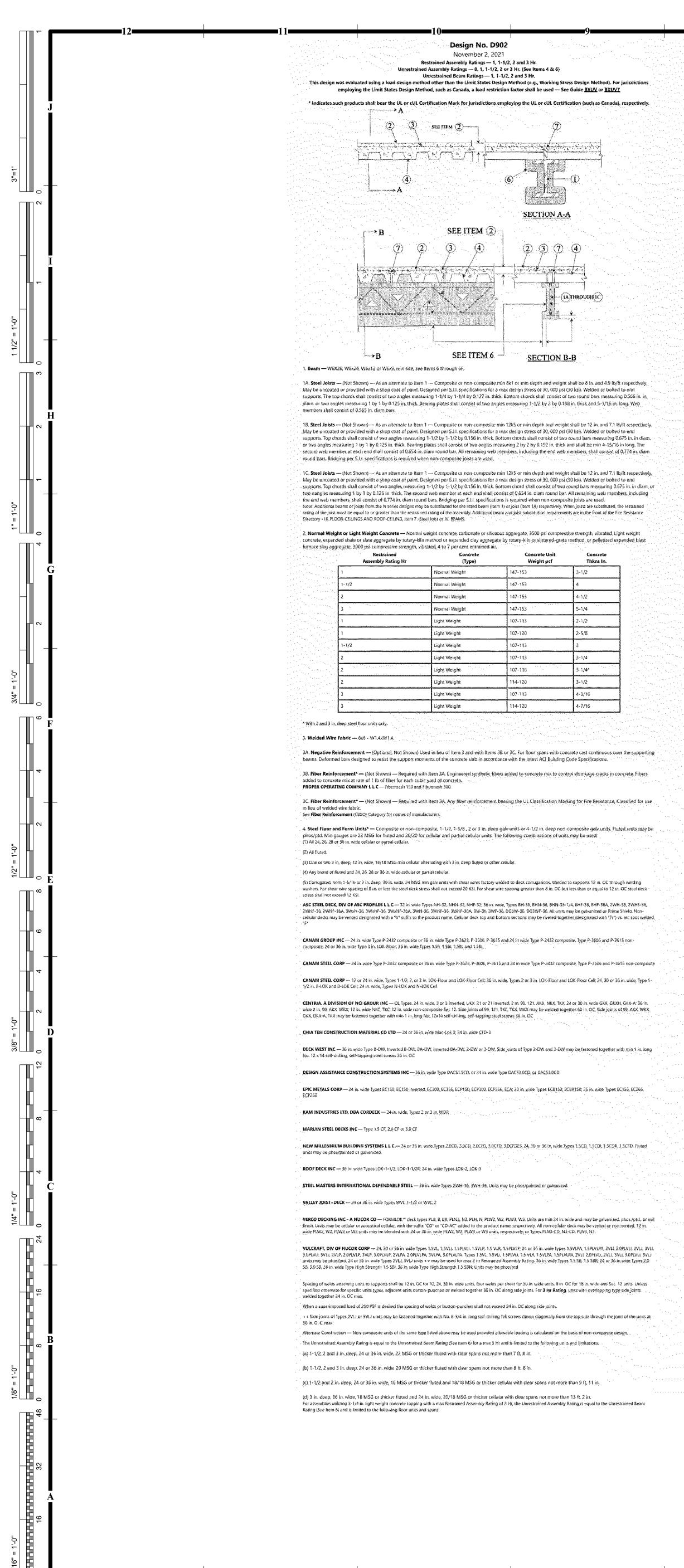
RMAX, A BUSINESS UNIT OF SIKA CORPORATION — "Thermasheath-Si

* Indicates such products shall bear the U employing the UL or cUL Certification

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ting — 2 HR.	
Rating – 2 HR	
method other than the Limit States Design	
For jurisdictions employing the Limit States on factor shall be used — See Guide <u>BXUV</u> or	
17 A second s	
or cUL Certification Mark for jurisdictions	
on (such as Canada), respectively.	
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less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 percent hydrated lime (by cement volume). Vertical joints staggered.	
ification if used. Where combustible members are framed in wall,	
eve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item	
anded slag, expanded clay or shale (Rotary Kiln Process), water repellan	it .
nsulation add 2 hr to classification.	
ft wide sheathing attached to concrete blocks (Item 1).	
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Last Updated on 2020-11-09





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D902 CONTINUED (a) 1-1/2, 2 and 3 in, deep, 24 or 36 in, wide, 22 MSG fluted and 20/20 MSG cellular with clear spans not more than 9 ft, 6 in.

. (b) 2 and 3 in, deep 24 or 36 in, wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 10 ft. 0 in, . . (c) 3 in, deep, 24 in, wide, 20 MSG fluted and 20/20 MSG cellular with clear spans not more than 13 ft, 2 in,

4A. Steel Floor and Form Units* — As an alternate to Item 4. Nom 8 or 9 in. deep composite, gate steel units. Min thickness 0.0375 inch (20 MSG). Side joints of adjacent units fully overlapping, fastened together by using 1-1/4 in. long self-drilling, self-tapping steel screws driven through Shear-Bond Clips (not shown) at 13-3/4 in. OC. Steel end closures flashings (not shown) made of min 0.056 inch thick (16.MSG) galy steel, fixed to the steel work before decking is placed. In addition to the Steel Ploor and Form Units, the following components are required:

(a) Welded Wire Fabric — 6 X 6 - Min wire thickness W2.9 X W2.9 slab reinforcement. As an alternate, max # 4 bars spaced 12-in. OC in both directions shall be used. When re-bars are used, the concrete slab thickness shall be increased a minimum 5716 in. (b) Rib Reinforcement — Min. #4 rebar. Min concrete cover below the steel reinforcement shall be 3-9/16 in. Reinforcement support chairs spaced at max 41-1/2 inches

The flute areas above the beam/joist are to be : (1) filled with concrete. (2) filled with Spray-Applied Fire Resistive Material or (3) the beam/joist coated with Spray-Applied Fire Resistive Material installed as described in the design to thickness required when all cellular Steel Floor and Form Units are used.

- See Design No. D989 for a typical Austration of the components. Consult the deck manufacturer for compretensive load tables and design parameters referencing UL Design D989. BAILEY METAL PRODUCTS 11D --- Type COMSLAB^{IN} 210 and COMSLAB^{IN} 225, Steel End Closure Flashing 5. Joint Cover --- (Use with fluted units optional --- Not Shown) --- 2 in, wide cloth adbesive tape applied following the contour of the units.

• •	. 5. YOULLOWER	 (Date-Majo Bati- 	esi vante ofstionen.	— 1967 DUÖM	u) e in wide o	ibtii 960ealv	ë rebë shbuë	e ienewing ti e e	surces of the ou	(15	
		ness selected is el beam is spra . Beam surface, rage and min i	based on all flute ayed with the thics	d deck, the r messes appli nd free of dir s of 22 pcf at	area between the cable to cellular o 1, loose scale, and nd 19 pcf, respect	steel deck a of blended u d oil. Min av tively, for tyj	nd the top fli mits, the area erage density be HP, For mo	ange of the steel between the stee of 13 pcf with m shod of density c	beam shall be fa al deck and the f in, individual de setermination, re	led. When fluted top liange of the nsity of 11 pcl to	t steel deck is steel beam or Types II, II HS,
•		Restrained Assembly	ປກrestrained Beam	Concrete Type		Min	fhkns Spray	Applied Resistiv	e Mti, In		
 		Rating Hr	Rating Hr		W6x9 When	W6x9 When	W8x28 When	W8x28 When	Joist Item 1A	Joist Item 1B	
 				n inn seile shi Shekara shirta	Deck Is	Deck is Blend	Deck Is	Deck Is Blend	When Deck Is Fluted	When Deck is fluted	
					Ail Fluted	or All Cellular	Ail Fiuted	or Ali Ceilular	Cellular or Blend	Cellular or Blend	
		1	1	NW	9/16,15/16*	9/16, 1r	3/8,5/8*	3/8,11/16*	1+		

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S	1	NW	9/16,15/16*	9/16, 1*	3/8,5/8*	3/8.11/16*	2.1/16	_
2	2	NW	1-1/8	1-3/16	3/4	33/16	2-1/36	1
3	3	NW	1-3/4	1-7/8	1-3/16.	1-5/16		3-3/4
3	1-3/2	NW	3/4	3/4	1/2	1/2		3-1/4
3	z	NW	1-7/8	1-3/16	3/4	13/16		3-3/4
3	3	NW	1-3/4	1-7/8	1-3/16	1-5/16	-	3-3/4
1	1	ιw	9/16,15/16*	5,/8, 1*	3/8,5/8*	7/16,11/15*	1-1/8-	—
1-1/2	1	ιw	9/16,15/16*	5/8, 1*	3/8,5/8*	7/16.31/16*	1-3/4	
2	1	ιw	9/16,15/16*	5/8, 1*	3/8,5/8*	7/16.11/16*	2-1/4	
2	2	LW	1.7/16	1-7/16	1	1	2-1/4	
2	3	LW	2-3/4	2-5/16	1-9/15	1-5/8		3-3/4
3	1-3/2	ιw	15/16	1	5/8	31/16	·	3-3/4
3	2	IW	1.7/16	1-7/16	1	1		3-3/4
3	3	I.w	2-1/4	2-5/16	1-9/16	1-5/8		3-1/4

*This thickness applies when optional item 12 or 13 are used over 3-174 in, light weight concrete topping. ** This thickness applies when optional Item 12 or 13 are used over 3-1/4 in light weight concrete topping. .a, When bottom chords consist of 1 by 1 by 0.125 in. thick steel angles, the thickness of spray-applied fire resistive material shall be increased by 1/4 in, on the bottom chord only, ISOLATEK INTERNATIONAL --- Type D-C/E, HP, H or Type B HS. Investigated for exterior use. Type £85 or Type X aghesive/surface sealer optional,

-6A, Spray-Applied Fire Resistive Materials* --- Alternate to Item 6. See table below for appropriate thicknesses. When flyted steel deck is used and the fire protection thickness selected is based on all flated deck, the area between the steel deck and the top flange of the steel beam shall be filled. When flated steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top flange of the steel beam shall be plugged. Prepared by mixing with water and spray-applied in one or more coats to beam surfaces which must be clean and free of dict, loose scale and oil. Min average density of 37.5 pcf with min individual value of 17.0 pcf. For method of density determination, see Design Information Section, Sprayed Material,

•	Restrained	Unrestrained		Min Thkns Appli	ed Resistive Mtl,	in
• •	Assembly Rating Hr	Beam Rating Hr	W6x9 When Deck Is All Flated	W6x9 When Deck Is Blend or All Cellular	W8x28 When Deck Is All Fluted	W8x28 When Deck Is Biend or Ail Ceilular
	1, 1-1/2, 2	3	1/2, 5/84	1/2, 5/8*	5/16, 7/16*	5/16, 7/16*
	2	2	٦	1-3/16	31/16	15/16
	2	3	1-9/16	1-7/8	1-1/16	1-5/18
••	3	1-1/2	3/4	13/16	3/2	9/16
· . · .	3	2	Ĩ	1-3/16	\$1/16	¥3/16
• .	2		1.9/16	1.7/4	1.1/16	1.5/15

1-9/16 1-7/8 A This thickness applies when optional Hems 12, 13 are used over 3-1/4 in light weight concrete topping. ISOLATEK INTERNATIONAL - Type 280

68. Spray-Applied Fire Resistive Materials* ---- Alternate to items 6 and 64. Prepared by mixing with water. Spray-applied in one or more coats to beam surfaces to a min final thickness as shown in the tables below. Beam surfaces must be clean and free of dirt, toose scate and oil. When flated steel deck is used and the fixe protection thickness selected is based on all fluted deck, the area between the steel deck and the top flange of the steel beam shall be filled. When fluted steel deck is used and the steel beam is sprayed with the thicknesses applicable to cellular or blended units, the area between the steel deck and the top liange of the steel beam shall be plugged. Min average and min Individual density of 15 pcf and 14 pcf respectively for Types 200, 300AC, 300 ES, 300 HS, 300 N, 3000, 3000ES, and S& For Types 400, 400 AC and 400 ES min average and min individual density of 22 pcf and 19 pcf respectively. Mon avg density of 44 pcf with min individual of 40 pcf for Types M-II and TG. Min avg Gensity of 47 pcf, with min individual value of 43 pcf. for Type M-B/P. Hie thickness of the material out the Structural Members (item 1 and 1C) shall be as follows:

• .				Min Thkos Spr	ay Applied Resisti	ve Mtl, In	
	Restrained Assembly Rating Hr	Unrestrained Beam Rating Hr	W6x9 When Deck Is All Fluted	W6x9 When Deck Is Blend or All Ceilular	W8x28 When Deck is All Fluted	W8x28 When Deck Is Blend or All Cellular	Joist (item 1C) When Deck is Fluted Celtular or Blend
	1	1	1/2.5/8°	1/2 , 5/8*	5/16, 7/16*	5/16, 7/16*	9/16+
	1-1/2	1	1/2 . 5/8*	1/2 , 5/81	5/16, 7/16*	5/16, 7/16*	1
	5	1	1/2 , 5/8*	1/2 , 5/8"	5/15, 7/16*	5/15, 7/16*	1-3/8
	5	5	1	3-3/16	11/16	13/16	1-3/8
	2	3	1-9/16	1-7/8	1-1/16	1-5/16	2-1/4
	3	1-1/2	3/4	13/16	٦/2	9/16	3-1/4
•	3	2	1	1-3/16	11/16	13/16	2-1/4
	3	1.	1.9/16	1.7/8	1.1/16	1-5/16	2.1/4

1-1/16 1-5/16 2-1/4 .4 This thickness applies when optional kern 12 or 13 are used over 3-1/4 in. Eight weight concrete topping. + When bottom chords consist of 1 in. by 0.125 in, thick steel angles, the thickness of spray-applied fire teststive matarial shall be increased by 1/4 in. on the bottom chord only. BERLIN CO LTO --- Types 30X), 300ES, 30GN, SB, or 400; Type M-II, TG and M-II/P GREENTECH ASIA PACIFIC SDN.BDH — Types 300, 300ES, 300HS, or 400; Type M-II, or M-II/P

GREENTECH THERMAL INSULATION PRODUCTS MFG COLLEC - Types 300, 3004C, 400, or 400AC; Type M-II, TG and M-U/P ISOLATEK INTERNATIONAL --- Types 300, 300AC 300ES, 300HS, 300H, SB, 400, 400AC, 400ES, 3000 or 3000ES, Type M-H, YG, and M-H/P

NEWKEM PRODUCTS CORP ---- Types 300, 309ES, 300N, 400, or 58; Type M-II, TG and M-II/P

5C, Intumescent Fire-resistive Materials • --- As an alternate to Hems 6 through 6B. For use with floted steel floor and form units only. Min. size W8x24 or W6x12 beams shall be primed with a phenolic modified alkyd primer, a metal alkyd primer, an adylic primer or an epoxy primer at a norminal thickness of 2 mil. Coating spray or bush applied in accordance with the manufacturer's instructions at the min dry thickness as shown in the table below. The thickness shown below includes the primer thickness. Flutes above beam to be completely filled with minimum 6 pcf mineral wool insulation, or the top flange of the beam to be protected with the same thickness. of coating as required on the beam. Restrained Assembl inimum Drj Thickness mm Beam Size Thickness mils Rating Hr Rating Hr

· ·	Minimum Dry Thickness mils	Minimum Dry Thickness mm	Steel Floor Units	Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr	
	oth sides of the beam. I	Mineral wool insulation r	optional above top si	urface of the beam.	ss at a min distance of 1 in. (25 mm)	nwaki rom the
					aw includes the primer thickness. Th	
					of 2 mil. Coating spray or brush app	
Intumesce	ent Fire-resistive Mater	rials = As an alternate	to Items & through (5C. For use with normal weight o	oncrote, Min. size W8x28 beams sha	Il be primed with
	ribed in item 65	 .		· · · • · · · · ·	• • • •	
NKEM PROI	DUCTS CORP Type WB	3. Investigated for Interior	General Plapose, Typ	e WB-4, investigated for enterior Ger	nerai Purpose, Type W84, Investigated (for Exterior Use wit
iose. Type S	prayFilm-WB-4 and Type }	W84, Investigated for Exter	ior Use with top coat a	6 described in item 65		
					m-W6.4 and Type W8.4, Investigated fo	or interior General
1 111120-001						
		RODUCTS MFG CO L L C -p coat as described in iter		ted for Interior General Purpose. Ty	pe WB 4, investigated for Interior Gene	ral Purpose, Type
	at as described in Item 6[annan maraisi sa sa kaina affek sanatanan	
ENTECH AS	SIA PACIFIC SDN 80H	Type WB 3. Investigated fo	or latento General Port	pose. Type WB 4. Investigated for in	terior General Purpose, Type WB4, Inve	stigated for Exterio
nibed in iter	n, 6E					
		ed for Interior General Purp	ose Type WB 4 Inves	tigated for Interior General Purpose	Type WB4, Investigated for Exterior U	se with top coat as
	.			.1		
	123	3.10	W6x12	1-1/2	3	• • • • • • • • • •
1 C		1				

Ruted or Cellular 8.67 Cellular

BERLIN CO LTD -- Type WB 3. Investigated for Interior General Purpose, Type WB 4, Investigated for Interior General Purpose. Type WB 4, Investigated for Exterior Use with top coat as.

idescripted in item 6E

GREENTECH ASIA PACIFIC SDN 8DH - Type WB 3. Investigated for Interior General Purpose. Type WB 4. Investigated for Interior General Purpose, Type WB 4. Investigated for Exterior Use with top coat as described in hem 6E

GREENTECH THERMAL INSULATION PRODUCTS MFG COLL C - Type W8 3, Investigated for Interior General Purpose, Type W8 4, investigated for Interior General Purpose, Type WB 4, Investigated for Exterior Use with top coat as described in Item 6E

D902 CONTINUED ISOLATEK INTERNATIONAL - Type Sprayfilm-WB 3 and Type W8 3, Investigated for Interior General Purpose. Type Spra . Purpose, Type Sprayfilm-W8 4 and Type W6 4, Investigated for Exterior Use with top coar as described in Item 65 👘 NEWKEM PRODUCTS CORP - Type WB 3. Investigated for Interior General Purpose. Type WB 4. Investigated for Interior top coat as described in item 65 - 6E. Top Coat — Type SprayFilm — TOPSEAL and Type TOPSEAL required for Exterior Use, applied at a minimum

See Classification information in the Mastic and Intumescent Coating (CDWZ) category, isolatek international, for mixing 6F. Intumescent Fire-resistive Materials * — As an alternate to items 6 through 6D. For use with normal weigh units only. Min size W8x24 beams shall be primed with a phenolic modified alkyd primer at a thickness of 2 mils Coating spray or brush applied in accordance with the manufacturer's instructions at the thicknesses shown below top surface of the top flange where fluted units are used must be protected with the coating material at the same Unrestrained Beam Minimum Br Thickness mm Beam Size **Rating Hr** hickness mils

GREENTECH ASIA PACIFIC SDN 8DH — Type WB-5. Investigated for Interior General Purpose, investigated for Exterior

GREENTECH THERMAL INSULATION PRODUCTS MFG CO.1 L C --- Type W8-5, investigated for Interior General Puppos

ISOLATEK INTERNATIONAL — Type WB-5, lowestiguted for Interior General Purpose. Investigated for Exterior Use with te NEWKEM PRODUCTS CORP - Type W8 5. Investigated for Interior Conditioned Space and Interior General Purpose, Inc.

SG. Top Coat --- (Not Shown) --- Type TNEMEC 740 required for Exterior Use with Type SprayFilm W85, applied at a minim See Classification information in the Mastic and Intumescent Coasing (CDWZ) category, Isolatek International, for mixing 6H. Sprayed Fiber Insulation* --- (Optional, Not Shown) --- Spray applied liber insulation, Classified to Surface B applied density of 3.5 pcf, applied over Spray-Applied Fire Resistive Material (Item 6) on both steel floor and for insulation may be over Spray-Applied Fire Resistive Material (Item 6) according to the following tables:

Allos Instailed SFRM Thickness (in.) on i	vable Spray-Applie Beam	ed Fiber Ins		ckness Ove FRM Dens	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	13	15	17,5	22	1
3/8	6-3/4	4	4-31/16	5-7/8	-
7/16	5-3/Z	3-3/4	4-3/8	5-1/2	1
1/2	6-1/4	3-1/2	4-1/16	5-1/8	1
9/16	6-1/16	3-3/16	3-3/4	4-11/16	1
5/8	5-33/16	2-35/16	3-7/16	4-5/16	Ĩ
11/15	5-9/16	2-11/16	3-1/8	3-15/16	
3/4	5-5/16	2-7/16	2-13/16	3-9/16	1
13/16	5-1/8	2-1/8	2-1/2	3-1/8	٦
1	4-7/16	1-5/16	1-9/16	1-15/16	
1-1/35	4-3/16	1-1/16	1-1/4	1-9/16	
1-3/15	3-11/16	9/16	5/8	13/16	
1-5/\$6	3-3/4	0	9	D	1
1-9/36	2-5/36	0	G	0	]
1-5/8	2-3/35	0	0	0	1

Installed SFRM Thickness	Allowable Spray-Applied Fil (in.) on Joist	ber Insulation T	hickness Öv SFRM D
***************************************	13	15	55
9/16	8	8	8
13/16	8	ક	8
1	8	8	В
1-1/8	7.7/8	7-1/2	6
1-1/4	7-7/16	6-15/16	8
1-3/8	6-15/16	6 6-7/16	8
1-9/16	6-1/4	5-5/8	8
1-3/4	5-9/16	4-13/16	7-1/16
2-1/36	4-7/16	3-1/2	5-1/8
2-1/4	3-11/16	5 2-11/16	3-15/16
3-1/4	0	Q	Û

INTERNATIONAL CELLULOSE CORP --- Type X33, URL-K, or Sonospily FC

·· .	Fire Resistive Material (Item 6) according to the following tables: Allowable Spray-Applied Fiber Insulation Thickne
	b). Sprayed Fiber Insulation* (Optional, Not Shown) Spray applied fiber insulation, Classified for Noncombustible 8: 3.5 pcf, applied over Spray-Appled Fire Resistive Material (tem 6) on both steel floor and form units (tem 4) and supports fire Residue Material User 51 according to the following pathway.

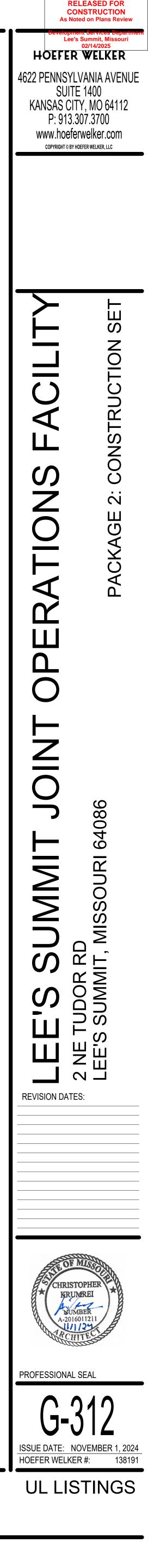
Installed SFRM Thickness (in.) on Beam				SFRM Densi	ity (pcl
	13	15	17,5	22	
5/16	5	Ş.	5	5	
3/8	5	5	5	5	
7/16	5	٦	5	5	
1/2	5	5	5	5	
9/16	5	5	5	5	
5/8	5	5	5	5	
11/16	5	5	5	5	
3/4	5	4-13/16	5	5	
13/16	5	4-9/16	5	5	
15/16	5	4	4-11/16	5	
1	4~7/B	3/3/4	4-3/8	5	
1-1/16	4-5/6	3-1/2	4-3/15	5	
1-1/8	4·7/1ō	3-3/16	3-3/4	4-31/16	
1-3/16	4-3/16	2-15/16	3-7/15	4-5/16	
3-5/16	3-11/16	2-7/16	2-13/16	3-9/16	
¥-7/16	3~1/4	1-778	2-3/16	2+3/4	
1-9/16	2-13/16	1-5/16	1-9/16	1-15/16	
1-5/8	2-9/16	1-1/16	0	1- <del>9</del> /16	
1-3/4	2-1/15	9/16	Q	13/16	
1-7/8	1-5/B	0	Q	υ	
2-3/4	1/4	o	0	0	
2/5/16	0	0	0	0	

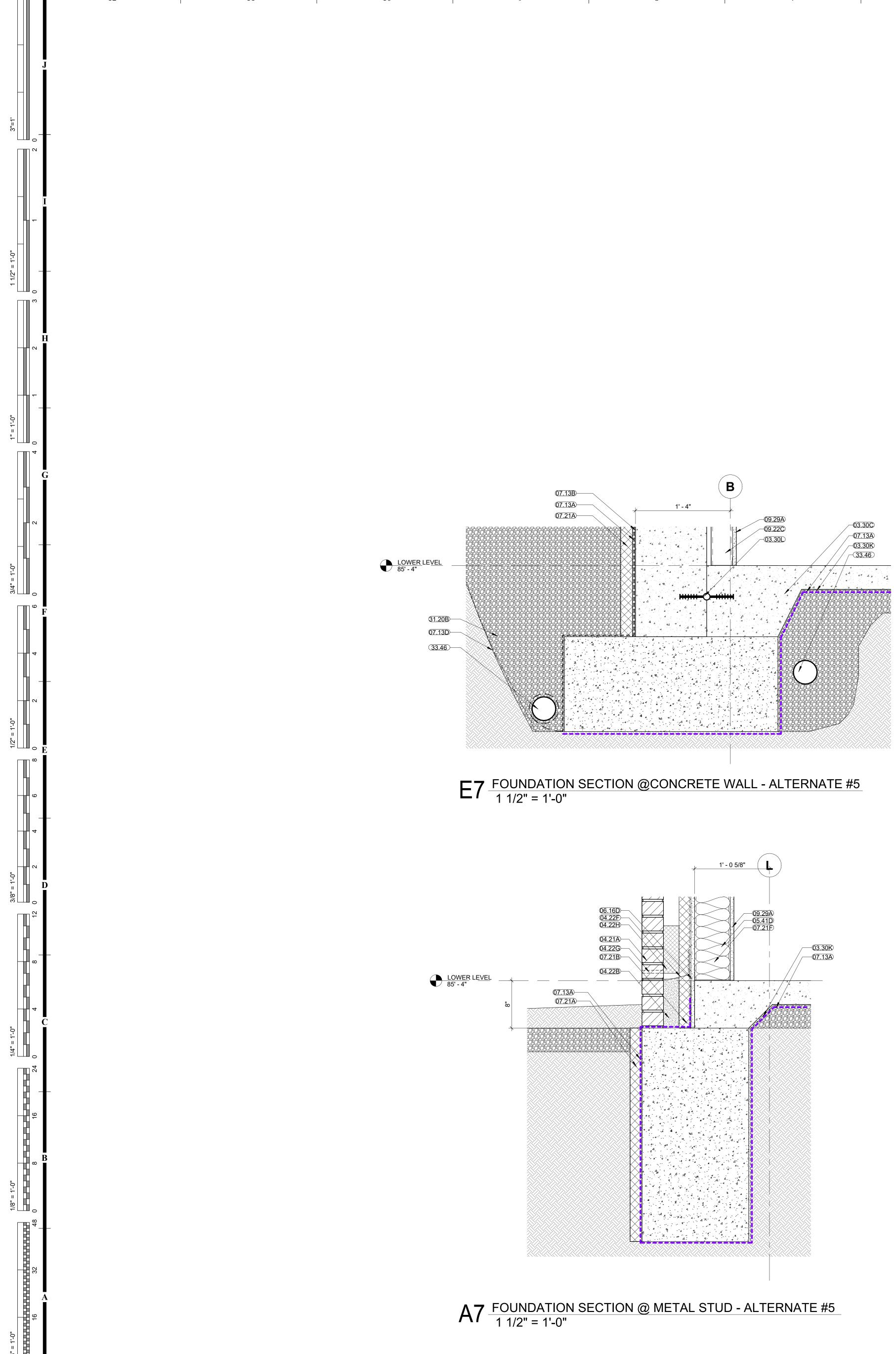
RM De	SFR			Installed SFRM Thickness (in.) on Joist
	22	15	13	
	5	5	5	9/16
	5	5	5	13/16
	5	5	5	1
	5	4-13/16	5	1-1/8
	5	4-5/16	5	1-1/4
	5	3+3/4	5	1-3/8
	4-5/16	2-15/16	5	1-9/36
	3-1/8	2-1/8	5	1-3/4
	1-3/18	13/16	.5	2-1/16
	0	0	5	2.1/4
	0	0	0	3-1/4

6). Sprayed Fiber Insulation*--- (Optiona), Not Shown) --- Spray applied fiber insulation, Classified to Surface Burning Ch pcf, applied over Spray-Applied Fire Resistive Material (item 6) on both steel floor and form units (Item 4) and supports (it Resistive Material (Item 6) accounting to the following tables: -

THERMACOUSTICS IND ---- Type TC-417

ipose. Type WB4, Investigated for Exterior Use with		Installed SFRM Thick (in.) on Beam	kness SFRM Densi	1y (pef)			***************************************		
ss of 14 mils (6.34 mm) over the intumescent		. 5/16	13	<b>15</b>	17.5 5	5	22 (Type HP)	<b>44</b>	<b>47</b>
nts.		3/8	5	s	3	3	\$	5	5
weight concrete and fluted steel floor and form y primer at a nominal thickness of 1 mil. ickness includes the thickness of primer. The		7/36	S	5	\$ ,	\$	5	5	5
thickness.or filled with nominal 4 pct mineral		. 1/2 9/16	5 S	5	5 5	э ÷	5	5	2
Restrained Assembly Rating Hr		5/8	5	5	5	5	Ę		÷
		11/16 3/4	5	5	5 5	5	5	5	5
		13/16	5	\$	5		Ş	5	5
op coat as described in hem 6G.	· · · · · · · · · · · · · · · · · · ·	15/15	5	5	5	5	5	5	5
galed for Exterior Use with top coat as described in		1.1/36	5	4-19/16 4-3/8	5	5	5	5	5
as described in nem 6C.		1-1/8	5	4	4-11/46 4 5/16	5	5.	5	\$ 5
d for Exterior. Use with top coat as described in item		1 3/16 1-5/36	5 4-5/8	3 1 1/36 3	4 5/18 3-1/2	5 4-7/16	5	5	5
ана на селото на село 		1-7/16	4-1/16	2-3/8	2-3/4	3-7/10	5	5	5
thickness of 7 mills over the intumescent material		1-9/16 1-5/B	3-1/2 3-3/16	5-13/16 1-5/16	1-15/16 1-9/16	2-7/16 3-15/16	5	4-15/16 3-15/16	5 4-3/18
ments.	·	1-3/4	2-5/8	11/36	13/16	1	4-7/16	1-15/16	Z-1/8
(Item 4) and supports (Item 7). Sprayed fiber		1-7/8 2-1/4	2-17)6 5716	0	0	0	3-7/16 1/2	e e	С О
		2-5/16	0	0	ŭ	0	0	0	c
ре НР) 44 47	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·							
8 8 8	n an the S					Fiber Insula	tion Thickness	Over Joist	
5 5 5 5		Installed SFRM Thick	kness (in.) on Joist	SFRM Density 13	y (pcf) 15	22	22 (Type HP)	44	47
<u> </u>		9/16		5	5	5 5	2 (1940)L)	5	5
β β 6 8		13/16		5	5	5	5	5	5
8 8		1-1/8		5	5	5	5	5	5
8 8 5 5-5/16 6-11/16		ttps://iq.ulprospector.	comlen/nrotico	3878					**************************************
5 5-1/2 5-7/8	n	ະຫຼະຈະການເມັນກາວpectof.			···· ·	·			
5 3-15/16 4-3/16 2:3/8 2:1/2		·					·····		····
15 0 0		. 2-1/16 2-1/4		\$ 5	1	1-1/2 0	5	5 	5 3
5 0 0		3-1/4		5-1/16	0	0	3-?/36	0	
A set of the set o									
6 8 E ŝ							iteel 6 SWG min diam sp pring steel pushed on to		ges of beam spaced 6 in. O.
B S		9. <b>Clips —</b> (Optional C. mox.	Not Shown) For use i	in caged beams wi	th Items 6, 6A or	68 No. 24 MSG :	pring steel pushed on to	top and bottom flan	ges of beam spaced 6 in, O
6 8	· · · · · · · · · · · · · · · · · · ·		• • • •					) lath, 3.4 lbs per sq yt	d expanded steel attached to
6 8 8 8		beam with clips space	ed 6 in. OC max; or th	ed to lath hangers :	100 to 10 CM/C and		st 6 in. OC max.		
0 8 ·····		<ul> <li>Liectrical Inserts</li> </ul>							
		· · ·	* — (Not Shown) — ( erboards* — (Option:	Classified as "Outle	t Boxes and Fittin	ngs Classified for	Fire Resistance",	no restriction on boar	rd thickness. When mineral
16 8 8		· · ·	<b>rboards* —</b> (Option used, the unrestrained	Classified as "Outle al, Not Shown, Not d beam rating shal	t Boxes and Fittin I for use with Iter I be increased by	ngs Classified for m 4A) — Applied	Fire Resistance". over concrete floor with	Do restriction on boar	rd (hickness, When mineral
/16 8 8 /16 7-7/8 S		12: Mineral and Fibe and fiber boards are See Mineral and Fiber 13: Foamed Plastic*	erboards* — (Option: used, the unrestrainer Board (CER2) category — (Optional: Not Sho	Classified as "Outle al, Not Shown, Not d beam rating shai y for names of branu own, Not for use wi	it Boxes and Fittin I for use with Iter I be increased by Jacturers. Ith Item 4A) — C	ngs Classified for m 4A) — Applied y a minimum of 1 consisting of poly	Fire Resistance", over concrete floor with (2 hr. socyanurate or urethane	100f insulations. Appl	sed over concrete floor with
/16 8 8		<ol> <li>Mineral and Fibe and fiber boards are See Mineral and Fiber</li> <li>Foamed Plastic* no restrictions on this See Foamed Plastic (C</li> </ol>	erboards* — (Option used, the Unrestrainer Board (CER2) category — (Optional, Not Sho ckness, When polyiso CVW) for iss of manufa	Classified as "Outle al, Not Shown, Not d beam rating shai y for names of manu y for names of manu y for use wi cyanurate or ureth icturers.	it Boxes and Fittin I for use with Iter I be increased by Jasturers. Ith Item 4A) — C ane insulation is	ngs Classified for m 4A) — Applied y a minimum of 1 onsisting of poly used, the unrest	Fire Resistance", over concrete floor with (2 hr. socyanurate or urethane alued beam rating shall i	roof insulations. Apple increased by a min	sed over concrete floor with
/16 8 8 /16 7-7/8 S		<ul> <li>12: Mineral and Fibe and fiber boards are in See Mineral and Fiber</li> <li>13. Foamed Plastic* no restrictions on this See Foamed Plastic (C)</li> <li>14. Insulating Concrete A. Vermiculate Concrete</li> </ul>	erboards* — (Option, used, the unrestrainer Board (CER2) category — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa rete — (Optional, Not e Blend 6 to 8 to ft of	Classified as "Outle al, Not Shown, Not d beam rating shai y for names of manu y for names of manu y for names of manu y for names of manu- count of the share y for the share	It Boxes and Fittin I for use with Iter I be increased by (acturers, ith Itern 4A) — C ane insulation is a types of insulati <b>ate</b> * to 94 lb Port	ngs Classified for m 4A) — Applied y a minimum of 1 consisting of poly used, the unrest used, the unrest ing concrete pre- land cement and a	Fire Resistance", over concrete floor with /2 hr. socyanurate or urethane ained beam rating shall i ared and applied as follo	: roof insulations. App be increased by a min pers: ckness of 2 in. as measu	sed over concrete floor with
/16 8 8 /16 7-7/8 S 0 0		<ul> <li>12: Mineral and Fibe and fiber boards are in See Mineral and Fiber</li> <li>13: Foamed Plastic*, no restrictions on this See Foamed Plastic (C)</li> <li>14. Insulating Concrete structural concrete or fi- B. Cellular Concrete-Red</li> </ul>	erboards* — (Option used, the Unrestrainer Board (CER2) category — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa ete — (Optional, Not e- Blend 5 to 8 to ft of oamed plastic (item 15) oof Topping Mixture*	Classified as "Outle al, Not Shown, Not d beam rating shall y for names of matu, y for names of matu, y for use or ureth countate or ureth storers. Shown) Various <b>Vermiculite Aggreg</b> ) when it is used. See - Concentrate mixed	It Boxes and Fittin I for use with Iter I be increased by Jasturers. Ith Item 4A) — C ane insulation is a types of insulati a ter in 94 lb Port • Vermiculite Agg 5 with water and Pa	ngs Classified for m 4A) — Applied y a minimum of 4 consisting of poly used, the unrest ing concrete pre- land cement and a <b>pregate</b> (CZZ) cate ortland cement pe	Fire Resistance", over concrete floor with (2 hr. socyanurate or urethane alled beam rating shall i ared and applied as follo r entraining agent. Min thi gory for names of Classifie manufacturer's specificati	toof insulations. App be increased by a mini pws: ckness of 2 in. as measu d companies. ons. Min. thickness of 2-	Sed over concrete floor with imum of 1/2 hr.
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116     8       176     7-7/8       0     0       0     0   Waterbils (BICW), having a maximum applied density of ). Sprayed fiber insulation may be over Spray-Applied Over Beam       e HP)     44       47       5       5       5       5       5       5       5       5       5		12. Mineral and Fibe and fiber boards are in See Mineral and Fiber 13. Foamed Plastic Ano restrictions on this See Foamed Plastic (C 14. Insulating Concrete structural concrete or fi B. Cellular Concrete or fi B. Cellular Concrete are surface of the structural AERIX INDUSTRIES — CELCORE INC — Type: ELASTIZELL CORP. OF SIPLAST INC — Mix #1 SIPLAST INC — Mix #1	erboards* — (Option- used, the Unrestrainer Board (CER2) sates on 	Classified as "Outle al, Not Shown. Not d beam rating shall y for names of matuu own. Not for use wi cyanurate or ureth- icturers. Shown) Various <b>Vermiculite Aggreg</b> when it is used. See - Concentrate mixed lastic (Item 15 and 1 (+ or -) 3.0 pcf ensity of 31 (+ or -3 ith a cast dry density 2 (+ or -) 3 pcf - Foam concentrate	It Boxes and Fittin I for use with Iter I be increased by (asturers, ith Item 4A) — C ane insulation is a types of insulati <b>ater</b> to 94 lb Port <b>e Verniculite Agg</b> 5 with water and Pa SA) when used. Ca (0) pcf or Type Cel 7 of 39 (+ or - 3.0) mixed with water,	ngs Classified for m 4A) — Applied y a minimum of 4 consisting of poly used, the unrestr ing concrete pre- land cement and a <b>regate</b> (CZZ) cate ortland cement pe ast dry density and icore MF with cast. pcf	Fire Resistance", over concrete floor with (2 hr. socyanurate or urethane ained beam rating shall i ared and applied as foll r entraining agent. Min thi gory for names of Clessific manufacturer's specificati 28-stay min compressive s try density of 29 (+ or = 3.0	e Aggregate per manufi	Sed over concrete floor with imum of 1/2 hr. and to the top surface of the in, as measured to the top termines! with ASTM C495-66.
/16       8         /16       7-7/8       8         /16       7-7/8       8         0       0       0         waterdats (BICW), having a maximum applied density of ). Sprayed fiber insulation may be over Spray-Applied         Over Beam         e HP)       44       47         5       5       5         5       5       5         5       5       5         5       5       5         5       5       5         5       5       5         5       5       5         5       5       5         5       5       5         5       5       5         5       5       5		12: Mineral and Fibe and fiber boards are in See Mineral and Fiber 13. Foamed Plastic *. no restrictions on this See Foamed Plastic (C 14. Insulating Concre- A. Vermiculae Concrete of the structural concrete or fo B. Cellular Concrete-Re- surface of the structura AERIX INDUSTRIES — CELCORE INC — Type : ELASTIZELL CORP. OF SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 C. Cellular Concrete-Re Cast dry density of 33 ( AERIX INDUSTRIES —	erboards* — (Optional used, the Unrestrained Board (CER2) Category — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa ete — (Optional, Not e- Blend 6 to 8 tu ft of oamed plastic (8tem 15) oof Topping Mixture* is concrete or foamed p -Cast dry density of 37 Celcore with cast dry of AMERICA — Type II, er 1, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 35 coof Topping Mixture* (+ or -) 3 pcl and 28 dag -Mix #3	Classified as "Outle al, Not Shown. Not d beam rating shall r for names of many own. Not for use wi cyanurate or ureth commande or ureth c	It Boxes and Fittin I for use with Iter I be increased by (actures). Ith Item 4A) — C are insulation is s types of insulati sate* to 94 lb Port s types of insulation s types of	ngs Classified for m 4A) — Applied y a minimum of 4 ionsisting of poly used, the unrest ing concrete pre- ring concrete pre- ing concrete pre- ring concrete pre- ring concrete pre- ing concrete pre- ring concrete pre- concrete pre- pre- pre- pre- concrete pre- ring concrete pre- ring concrete pre- ring concrete pre- ring concrete pre- ring concrete pre- concrete pre- concrete pre- ring concrete pre- ring conc	Fire Resistance", over concrete floor with (2 hr. socyanurate or urethane alled beam rating shall i ared and applied as follor rentraining agent. Min thi gory for names of Clessifie manufacturer's specificati 29-stay min compressive s ary density of 29 (+ or - 3.)	e Aggregate per manufi 5-86.	Sed over concrete floor with imum of 1/2 br. Hed to the top surface of the in, as measured to the top termines! with ASTM C495-66.
/16       8         /16       7-7/8       S         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0     <		12: Mineral and Fibe and fiber boards are in See Mineral and Fiber 13. Foamed Plastic *. no restrictions on this See Foamed Plastic (C 14. Insulating Concre- A. Vermiculae Concrete of the structural concrete or fo B. Cellular Concrete-Re- surface of the structura AERIX INDUSTRIES — CELCORE INC — Type : ELASTIZELL CORP. OF SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 C. Cellular Concrete-Re Cast dry density of 33 ( AERIX INDUSTRIES —	erboards* — (Optional used, the Unrestrained Board (CER2) Category — (Optional, Not Sho ckness, When polyiso CVW) for iss of manufa ete — (Optional, Not - Blensi 5 to 8 tu ft of board plastic (Item 15) <b>oof Topping Mixture*</b> A concrete or foamed p -Cast dry density of 37 Celeone with cast dry de AMERICA — Type II, w 1, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 33 a conf Topping Mixture* (+ or -) 3 pcl and 28 stag - Mix #3 AMERICA — Type II, M	Classified as "Outle al, Not Shown. Not d beam rating shall r for names of many own. Not for use wi cyanurate or ureth commande or ureth c	It Boxes and Fittin I for use with Iter I be increased by (actures). Ith Item 4A) — C are insulation is s types of insulati sate* to 94 lb Port s types of insulation s types of	ngs Classified for m 4A) — Applied y a minimum of 4 ionsisting of poly used, the unrest ing concrete pre- ring concrete pre- ing concrete pre- ring concrete pre- ring concrete pre- ing concrete pre- ring concrete pre- concrete pre- pre- pre- pre- concrete pre- ring concrete pre- ring concrete pre- ring concrete pre- ring concrete pre- ring concrete pre- concrete pre- concrete pre- ring concrete pre- ring conc	Fire Resistance", over concrete floor with 2 hr. socyanurate or urethane ained beam rating shall i ared and applied as foll rentraining agent. Min thi gory for names of Classifie manufacturer's specificati 28-stay min compressive s try density of 29 (+ or - 3.) try density of 29 (+ or - 3.)	e Aggregate per manufi 5-86.	Sed over concrete floor with imum of 1/2 br. Hed to the top surface of the in, as measured to the top termines! with ASTM C495-66.
/16       8         /16       7-7/8       3         0       0       0         0       0       0         vatoriais (8)CW), having a maximum applied density of 0. Sprayed fiber insulation may be over Spray-Applied         Over Beam         e HP)       44         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5		<ul> <li>12. Mineral and Fibe and fiber boards are in See Mineral and Fiber</li> <li>13. Foamed Plastic *. no restrictions on this See Foamed Plastic (C</li> <li>14. Insulating Concrete structural concrete or fills.</li> <li>14. Insulating Concrete-Record surface of the structural AERIX INDUSTRIES —</li> <li>15. CELCORE INC — Type :</li> <li>16. SIPLAST INC — Mix #1</li> <li>17. C. Cellular Concrete-Record Cast dry density of 33 ( AERIX INDUSTRIES —</li> <li>18. ELASTIZELL CORP OF SIPLAST INC — Mix #2</li> <li>19. Perfite Concrete - 6 of</li> </ul>	erboards* — (Optional used, the Unrestrained Board (CER2) Sategory — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa ete — (Optional, Not e - Blend 5 to 8 to ft of board plastic (Rem 15) <b>oof Topping Mixture*</b> is concrete or foamed p -Cast dry density of 37 Celeore with cast dry de AMERICA — Type II, w 1, Cast dry density of 32 2, Cast dry density of 32 3 AMERICA — Type II, M 3 Cult of Perfite Aggregation	Classified as "Outle al, Not Shown. Not d beam rating shaf, y for names of many own. Not for use wi cyanurate or ureth- icturers. Shown) Various Vermiculite Aggreg ) when it is used. See - Concentrate mixed lastic (Item 15 and 1 (+ or -) 3.0 pcf ensity of 31 (+ or - 3 ith a cast dry density 2 (+ or -) 3 pcf - Foam concentrate y compressive streng lis #1 of cast dry der lis #1 of cast dry der	It Boxes and Fittin I for use with Iter I be increased by (acturers. Ith Item 4A) — C are insulation is s types of insulation s types of insulation is s types of insulation is types of insulation is s types of insulation is types	ngs Classified for m 4A) — Applied y a minimum of 1 lonsisting of poly used, the unrest ing concrete prey land cement and a <b>pregate</b> (CZZ) cate ortland cement pe ast dry density and icore MF with cast pcf Portland cement a as determined in s	Fire Resistance", over concrete floor with 2 hr. socyanurate or urethane ained beam rating shall i ared and applied as foll rentraining agent. Min thi gory for names of Classifie manufacturer's specificati 28-stay min compressive s try density of 29 (+ or - 3.) try density of 29 (+ or - 3.)	e Aggregate per manufi 5-86, 1 pcf, Mix #3 of cast dry	Section of 1/2 br. International for the top surface of the in, as measured to the top terminest with ASTM C495-66.
/16       8         /16       7-7/8       3         0       0       0         vtatedbis (BICW), having a readimum applied density of ). Sprayed fiber insulation may be over Spray-Applied         OVER Beam         e HP)       44       47         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5		<ul> <li>12. Mineral and Fibe and fiber boards are in See Mineral and Fiber</li> <li>13. Foamed Plastic Ano restrictions on this See Foamed Plastic (C)</li> <li>14. Insulating Concrete A verniculate Concrete of the structural concrete or fib. Cellular Concrete Records SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>C. Cellular Concrete Records of the structural of the cast dry density of 33 ( AERIX INDUSTRIES — ELASTIZELL CORP OF, SIPLAST INC — Mix #2</li> </ul>	erboards* — (Optional used, the Unrestrained Board (CER2) Sategory — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa ete — (Optional, Not e - Blend 6 to 8 tu ft of oamed plastic (item 15) oof Topping Mixture* is concrete or foamed p -Cast dry density of 37 Celeore with cast dry of AMERICA — Type II, w 1, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 33 a pt and 28 dag - Mix #3 AMERICA — Type II, M 3 cu ft of Perfite Aggreg: astic (item 15A) when it	Classified as "Outle al, Not Shown. Not d beam rating shall y for names of many own. Not for use wi cyanurate or urethy cturers. Shown) Various <b>Vermiculite Aggreg</b> ) when it is used. See - Concentrate mixed leastic (item 15 and 1 (+ or -) 3.0 pcf - Concentrate mixed leasity of 31 (+ or3 ith a cast dry density 2 (+ or -) 3 pcf - Foam concentrate y compressive streng list #3 of cast dry den list #3 of cast dry den list #3 of cast dry den list #3 of cast dry den	It Boxes and Fittin I for use with Iter I be increased by (acturers) ith Itern 4A) — C are insulation is it types of insulati ate* to 94 lb Port is types of insulating ate* to 94 lb Port is types of insulating ate insulation is is types of insulating ate insulation is it of or Type Cel ate of 39 (+ or - 3.0) mixed with water, ate of ate of a solution ate of a solution is a solution ate of a solution is ate of a solution is a solution ate of a solution is a solution is a solution ate of a solution is a solution is a solution is a solution ate of a solution is a solution is a solution is a solution is a solution ate of a solution is a so	ngs Classified for m 4A) — Applied y a minimum of 1 ionsisting of poly used, the unrest ing concrete pres land cement and a <b>pregate</b> (CJZ2) cate ortland cement pe ast dry density and icore MF with cast pof Portland cement a as determined in s o pot, Mix #2 of cas 1-1/2 pt air entrain	Fire Resistance", over concrete floor with (2 hr, socyanurate or urethane ained beam rating shall i rentraining agent. Min thi gory for names of Classifie manufacturer's specificati 28-stay min compressive s ary density of 29 (+ or - 3.4 ary density 40 (+ or - 3.5)	e Aggregate per manufi 5-86, 1 pcf, Mix #3 of cast dry	Section of 1/2 br. International for the top surface of the in, as measured to the top terminest with ASTM C495-66.
116       8         116       7-7/8       S         0       0       0         116       7-7/8       S         116       0       0         116       7-7/8       S         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       7       7         116       5       5		<ul> <li>12: Mineral and Fiber and fiber boards are in See Mineral and Fiber</li> <li>13. Foamed Plastic *. no restrictions on this See Foamed Plastic (C</li> <li>14. Insulating Concrete structural concrete or fo B. Cellular Concrete or fo B. Cellular Concrete or for SUPLAST INC — Type :</li> <li>CELCORE INC — Type :</li> <li>SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>C. Cellular Concrete RC Cast dry density of 33 ( AERIX INDUSTRIES — ELASTIZELL CORP OF, SIPLAST INC — Mix #2</li> <li>D. Perlite Concrete - 6 of concrete or foamed pla See Perlite Aggregate LIPS://iq.ulprospector;</li> </ul>	erboards* — (Optional used, the Unrestrained Board (CER2) sategory — (Optional, Not Sho ckness, When polyiso CVW) for fist of manufa ete — (Optional, Not e - Blend 5 to 8 tu ft of oamed plastic (Item 15) oof Topping Mixture* is concrete or foamed p -Cast dry density of 37 Celeore with cast dry of AMERICA — Type II, w 1, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 33 2, Cast dry density of 33 2, Cast dry density of 36 oof Topping Mixture* (+ or -) 3 pcl and 28 dag -Mix #3 AMERICA — Type II, M 3 cu ft of Perfite Aggrega istic (Item 15A) when it (CFEX) in Fire Resistance	Classified as "Outle al, Not Shown. Not d beam rating shall r for names of many own. Not for use wi cyanurate or urethy cturers. Shown) Various <b>Vermiculite Aggreg</b> ) when it is used. See - Concentrate mixed leastic (Item 15 and 1 (+ or -) 3.0 pcf ensity of 31 (+ or - 3 ith a cast dry density 2 (+ or -) 3.0 pcf - Foam concentrate y compressive streng lis #3 of cast dry der lis #3 of cast dry der	It Boxes and Fittin I for use with Iter I be increased by (acturers) ith Itern 4A) — C are insulation is it types of insulati ate* to 94 lb Port is types of insulating ate* to 94 lb Port is types of insulating ate insulation is is types of insulating ate insulation is it of or Type Cel ate of 39 (+ or - 3.0) mixed with water, ate of ate of a solution ate of a solution is a solution ate of a solution is ate of a solution is a solution ate of a solution is a solution is a solution ate of a solution is a solution is a solution is a solution ate of a solution is a solution is a solution is a solution is a solution ate of a solution is a so	ngs Classified for m 4A) — Applied y a minimum of 1 ionsisting of poly used, the unrest ing concrete pres land cement and a <b>pregate</b> (CJZ2) cate ortland cement pe ast dry density and icore MF with cast pof Portland cement a as determined in s o pot, Mix #2 of cas 1-1/2 pt air entrain	Fire Resistance", over concrete floor with (2 hr, socyanurate or urethane ained beam rating shall i rentraining agent. Min thi gory for names of Classifie manufacturer's specificati 28-stay min compressive s ary density of 29 (+ or - 3.4 ary density 40 (+ or - 3.5)	e Aggregate per manufi 5-86, 1 pcf, Mix #3 of cast dry	Section of 1/2 br. International for the top surface of the in, as measured to the top terminest with ASTM C495-66.
116       8         116       7-7/8       8         116       7-7/8       8         116       7-7/8       8         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       1       1         116       1       1         116       5       5         116       5       5         116<		<ul> <li>12: Mineral and Fiber and fiber boards are in See Mineral and Fiber</li> <li>13. Foamed Plastic * no restrictions on this See Foamed Plastic (C</li> <li>14. Insulating Concrete structural concrete or fo B. Cellular Concrete or fo SIPLAST INC — Mix #2</li> <li>SIPLAST INC — Mix #2</li> <li>C. Cellular Concrete or Mix #1</li> <li>SIPLAST INC — Mix #2</li> <li>C. Cellular Concrete or ELASTIZELL CORP OF SIPLAST INC — Mix #2</li> <li>D. Perlite Concrete of Concrete or foamed pla See Perlite Aggregate (Ups://iq.ulprospector.; topping (Item 14A).</li> </ul>	erboards* — (Optional used, the Unrestrained Board (CER2) Sategory — (Optional, Not Sho ckness, When polyiso CVW) for iss of manufa ete — (Optional, Not e Blensi 5 to 8 tu ft of board plastic (Rem 15) <b>bof Topping Mixture*</b> is concrete or foamed p -Cast dry density of 37 Celeore with cast dry de AMERICA — Type II, w 1, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 32 2, Cast dry density of 33 cof Topping Mixture* (+ or -) 3 pcl and 28 dag -Mix #3 AMERICA — Type II, M 3 cu ft of Perfite Aggrega istic (Item 15A) when it (CFFX) in Fire Resistant com/en/profile?e=1	Classified as "Outle al, Not Shown. Not d beam rating shall r for names of many own. Not for use wi cyanurate or urethist starers. (Shown) Various <b>Vermiculite Aggreg</b> ) when it is used. See - Concentrate mixed lastic (Item 15 and 1 (+ or -) 3.0 pcf ensity of 31 (+ or - 3 ith a cast dry density 2 (+ or -) 3 pcf - Foam concentrate y compressive streng list #1 of cast dry der list #1 of cast dry der is used. to 94 lb of Porti is used. to 94 lb of Porti is used.	It Boxes and Fittin I for use with Iter I be increased by (astures). Ith Item 4A) — C are insulation is s types of insulati- s types of insulati- types of insulati- s types of insulati- s types of insulati- s types of insulati- types of insulati- types of insulati- s types of insulati- s type	ngs Classified for m 4A) — Applied y a minimum of 4 Consisting of poly used, the unrestr land cement and a groater (CZZ) cate ortland cement pre- ast dry density and icore MF with cast pof . Portland cement a as determined in a s determined in a 1-1/2 pt air entrain mpanies.	Fire Resistance", over concrete floor with (2 hr, socyanurate or urethane ained beam rating shall i rentraining agent. Min thi gory for names of Classifie manufacturer's specificati 28-stay min compressive s ary density of 29 (+ or - 3.4 ary density 40 (+ or - 3.5)	e Aggregate per manufi 5-86. (* pcf. Mix #3 of cast dry in as measured to the x	Sied over concrete floor with imum of 1/2 hr. In as measured to the top termines with ASTM C495-66. Acture's application instructions Gensity 47 (+ or -) 3.0 pcf op surface of structural
116       8         116       7-7/8       3         0       0       0         0       0       0         Autorialis (BICW), having a maximum applied density of ). Sprayed fiber insulation may be over Spray-Applied         Over Beam         e HP)       44         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5 <t< td=""><td></td><td>12: Mineral and Fibe and fiber boards are is See Mineral and Fiber 13. Foamed Plastic*, no restrictions on this See Foamed Plastic (C 14. Insulating Concre- A. 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116       8         116       7-7/8       3         0       0       0         116       7-7/8       3         0       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       10       0         116       10       0         116       10       0         116       10       0         116       10       0         116       10       10         116       10       10         116       10       10         116       10       10         116       10       10         116       10       10         116       10       10         116       10       10         116       10       10         116       10       10 <t< td=""><td></td><td><ul> <li>12: Mineral and Fiber and fiber boards are in See Mineral and Fiber</li> <li>13. Foarmed Plastic*, no restrictions on this See Foarmed Plastic (C)</li> <li>14. Insulating Concrete A Vermiculate Concrete of the structural concrete or for B. Cellular Concrete or for AERIX INDUSTRIES —</li> <li>CELCORE INC — Type: ELASTIZELL CORP. OF SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #2</li> <li>C. Cellular Concrete Re Cast dry density of 33 ( AERIX INDUSTRIES —</li> <li>ELASTIZELL CORP. OF SIPLAST INC — Mix #2</li> <li>D. Perfite Concrete - 6 of concrete or foarmed plastic topping (Item 14A). See Foarmed Plastic* (it ISA. Foarmed Plastic* (it ISA. Foarmed Plastic* (it ISA. Foarmed Plastic* (it)</li> </ul></td><td>erboards* — (Optional used, the Unrestrained Board (CER2) sates on </td><td>Classified as "Outle al, Not Shown. Not d beam rating shall of mames of many. Dwn. Not for use wi cyanurate or ureth communite or ureth communite Aggreg ) when it is used. 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Nomine utation board she idinally. stic* (CCVW) categ</td><td>Fire Resistance", over concrete floor with (2 hr. socyanurate or urethane aited beam rating shall i ared and applied as foll rentraining agent. Min thi gory for names of Classifie manufacturer's specification 28-stay min compressive s ary density of 29 (+ or - 3.4 dry density of 29 (+ or - 3.4 dry density of 29 (+ or - 3.4) ary density 40 (~ or - 3.3, dry density 40 (~ or - 3.3, dry density</td><td>e Aggregate per manufi 5-86. pet increased by a mini- pers: ckness of 2 in. as measured d companies. ans. Min. thickness of 2- trength of 190 psi as def ) pcf. ) pcf. ) pcf. ) pcf. ) pcf. in. as measured to the a in. as measured to the a</td><td>Section of the top surface of the incas measured to the top terminest with ASTM C495-66. Bensity 47 (+ or -) 3.0 pcf op surface of structural d companies, ation boards having a ntext in two rows of three</td></t<>		<ul> <li>12: Mineral and Fiber and fiber boards are in See Mineral and Fiber</li> <li>13. Foarmed Plastic*, no restrictions on this See Foarmed Plastic (C)</li> <li>14. Insulating Concrete A Vermiculate Concrete of the structural concrete or for B. Cellular Concrete or for AERIX INDUSTRIES —</li> <li>CELCORE INC — Type: ELASTIZELL CORP. OF SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #2</li> <li>C. Cellular Concrete Re Cast dry density of 33 ( AERIX INDUSTRIES —</li> <li>ELASTIZELL CORP. OF SIPLAST INC — Mix #2</li> <li>D. Perfite Concrete - 6 of concrete or foarmed plastic topping (Item 14A). See Foarmed Plastic* (it ISA. Foarmed Plastic* (it ISA. Foarmed Plastic* (it ISA. Foarmed Plastic* (it)</li> </ul>	erboards* — (Optional used, the Unrestrained Board (CER2) sates on 	Classified as "Outle al, Not Shown. 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116       8         116       7-7/8       S         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       0         0       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5     <		12: Mineral and Fibe and fiber boards are is See Mineral and Fiber 13: Foamed Plastic*, no restrictions on this See Foamed Plastic (C 14, Insulating Concre- A. Verniculte Concrete structural concrete or fi B. Cellular Concrete-Re- surface of the structural AERIX INDUSTRIES — CELCORE INC — Type: FLASTIZELL CORP. OF SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 C. Cellular Concrete-Re Cast dry density of 33 ( AERIX INDUSTRIES — ELASTIZELL CORP. OF SIPLAST INC — Mix #1 D. Perfite Concrete - 6 ( concrete or foamed pla See Perfite Aggregate D. Perfite Concrete - 6 ( concrete or foamed pla See Perfite Aggregate (15A: Foamed Plastic* (f 15A: Foamed Plastic* (f 16: Roof Covering M See Built-Up Roof Cove 17, Insulated Concret	erboards* — (Optional used, the Unrestrained Board (CER2) Sategory — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa ete — (Optional, Not e Blend 5 to 8 to ft of oamed plastic (Etem 15) oof Topping Mixture* it concrete or foamed p -Cast day density of 37 Celcore with cast day of AMERICA — Type II, w 1, Cast day density of 32 2, Cast day density of 36 oof Topping Mixture* (+ or -) 3 pcl and 28 dag -Mix #3 AMERICA — Type II, M 3 cu ft of Perfite Aggregi astic (Item 15A) when it (CFFX) in Fire Resistant (COFFX) in Fire	Classified as "Outle al, Not Shown. Not d beam rating shaf, r for names of many own. Not for use wi cyanurate or ureth- icturers. Shown) Various <b>Vermiculite Aggreg</b> i when it is used. See - Concentrate mixed lastic (Item 15 and 1 (+ or -) 3.0 pcf - Foam concentrate y comprossive streng list #1 of cast dry density 2 (+ or -) 3 pcf - Foam concentrate y comprossive streng list #1 of cast dry der list #1 of ca	It Boxes and Fittin I for use with Iter I be increased by (acturers. Ith Item 4A) — C are insulation is s types of insulati- gate* to 94 lb Port • Vermiculter Ang Solver and Pierre Vermiculter Ang Solver and Pierre (a) perfor Type Cel (a) perfor Type Cel (b) perfor Type Cel (c) 39 (+ or - 3.0) (c) 30 (+ or	ngs Classified for m 4A) — Applied y a minimum of 1 lonsisting of poly used, the unrest ing concrete prey land cement and a <b>pregate</b> (CZZ) cate ortland cement pe ast dry density and icore MF with cast pcf Portland cement a as determined in s as determined in s o pct Mix #2 of cast 1-1/2 pt air entrain mpanies.	Fire Resistance", over concrete floor with (2 hr, socyanusate or urethane ained beam rating shall is red and applied as follor rentraining agent. Min this gory for names of Classifie manufacturer's specification 28-stay min compressive s ary density of 29 (+ or - 3.4 ary density of 29 (+ or - 3.4 ary density of 29 (+ or - 3.4 ary density 40 (+ or -) 3.5 ary in Fire Resistance Direct ary in Fire Resistance Direct with insulations describ red-and applied in the th	e Aggregate per manuf () pet () pet (	Sied over concrete floor with imum of 1/2 hr. In as measured to the top terminest with ASTM C495-66. Rensity 47 (+ or -) 3.0 pcf op surface of structural d companies. ation boards having a med in two rows of three companies.
116       8         116       7-7/8       8         116       7-7/8       8         0       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       0       0         116       14       47         116       5       5         116       5       5         116       5       5         116       3-15/16       4-3/16         116       3-11/8       3-3/8		<ul> <li>12: Mineral and Fiber and fiber boards are in See Mineral and Fiber</li> <li>13. Foarmed Plastic *. no restrictions on this See Foarmed Plastic (C</li> <li>14. Insulating Concrete structural concrete or fo B. Cellular Concrete or fo SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>SIPLAST INC — Mix #1</li> <li>C. Cellular Concrete or fo concrete or foarmed pla See Perfite Concrete of fo concrete or foarmed pla See Perfite Aggregate</li> <li>ID. Perfite Concrete of foarmed pla See Foarmed Plastic (C concrete or foarmed pla See Foarmed Plastic (C consity of 1.0.(4 or - holes each with the in See Foarmed Plastic (C 16. Roof Covering M See Built-Up Roof Cove 17. Insulated Concret A. Vermiculite Concret</li></ul>	erboards* — (Optional used, the Unrestrained Board (CER2) Sategory — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa ete — (Optional, Not e Blend 5 to 8 to ft of board plastic (Etem 15) <b>oof Topping Mixture*</b> is concrete or foarned p -Cast dry density of 37 Celeore with cast dry de AMERICA — Type II, w 1, Cast dry density of 32 2, Cast dry density of 32 3 (+ or -) 3 pcl and 28 dag -Mix #3 AMERICA — Type II, M 3 coulft of Perfito Aggrega isstic (Item 15A) when it (CFFX) in Fire Resistand (COM/en/profile?e=1 BRYX) category in Build * — (Not Shown) — H 0.1) pcf, encapsulated toles spaced 12 in. OC BRYX) category in Build Internals* — (Optional wing Materials in Buildi Internals* — (Optional ring Materials in Buildi Internals* — (Optional Refer — (Optional, Not 1)	Classified as "Outle al, Not Shown. Not d beam rating shaf, y for names of many. own. Not for use wi cyanurate or urethic turers. Shown) Various Vermiculite Aggreg (when it is used. See - Concentrate mixed lastic (Item 15 and 1 (+ or -) 3.0 pcf - Foam concentrate y compressive streng (; - or -) 3 pcf - Foam concentrate y compressive streng lis #1 of cast dry den is used. concentrate dry den ster to 94 lb of Porti is used. concentrate dry den lis #1 of cast dry den ater to 94 lb of Porti is used. concentrate dry den lis #1 of cast dry den ater to 94 lb of Porti is used. concentrate dry compressive streng lis #1 of cast dry den ater to 94 lb of Porti is used. construction only with co d within concrete to transversely and " ing Materials Directo al, Not Showin) C ing Materials Directo Showin) various, it 6 co ft of Vermico	It Boxes and Fittin I for use with Iter I be increased by (acturers. Ith Item 4A) — C are insulation is s types of insulati- gate* to 94 lb Port • Vermiculter Ang Solver and Pierre Vermiculter Ang Solver and Pierre (a) perfor Type Cel (a) perfor Type Cel (b) perfor Type Cel (c) 39 (+ or - 3.0) (c) 30 (+ or	ngs Classified for m 4A) — Applied y a minimum of 1 lonsisting of poly used, the unrest ing concrete prey land cement and a <b>pregate</b> (CZZ) cate ortland cement pe ast dry density and icore MF with cast pcf Portland cement a as determined in s as determined in s o pct Mix #2 of cast 1-1/2 pt air entrain mpanies.	Fire Resistance", over concrete floor with (2 hr, socyanusate or urethane ained beam rating shall is red and applied as follor rentraining agent. Min this gory for names of Classifie manufacturer's specification 28-stay min compressive s ary density of 29 (+ or - 3.4 ary density of 29 (+ or - 3.4 ary density of 29 (+ or - 3.4 ary density 40 (+ or -) 3.5 ary in Fire Resistance Direct ary in Fire Resistance Direct with insulations describ red-and applied in the th	e Aggregate per manuf () pet () pet (	Section of the top surface of the incas measured to the top terminest with ASTM C495-66. Sensity 47 (+ or -) 3.0 pcf op surface of structural d companies.
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1/16       6       8         1/16       7-7/8       S         0       0       0         0       0       0         0       0       0         Autocians (8)CW), having a maximum applied density of jub synaphic historiation may be over Spray-Applied         Over Beam         e HP)       44         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5		12: Mineral and Fibe and fiber boards are is See Mineral and Fiber 13. Foamed Plastic*, no restrictions on this See Foamed Plastic (C 14. Insulating Concrete A. Vermiculte Concrete of the Structural concrete or fo B. 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Not d beam rating shall y for names of many own. Not for use wi cyanurate or ureth currers. (Shown) Various <b>Vermiculite Aggreg</b> ) when it is used. See - Concentrate mixed lastic (item 15 and 1 (+ or -) 3.0 pcf - Concentrate mixed lastic (item 15 and 1 (+ or -) 3.0 pcf - Foam concentrate y compressive streng list at of cast dry den ite acast dry density 2 (+ or -) 3 pcf - Foam concentrate y compressive streng list at of cast dry den ate* to 94 lb of Porti is used. contrate dry density (3878 ing Materials Directo for use only with ci d within concrete to Charterials Directo as Materials Directo as Materials Directo as (Not Shown) C ng Materials Directo Shown) various, it 6 cu ft of Vermice it6-u, MSV 200. cu ft Perfite Aggree mes of Classified cor asories (Optiona d 24 in. OC.	t Boxes and Fittin t for use with Iter l be increased by (actures). ith Item 4A) — C are insulation is s types of insulati- gate* to 94 lb Port • Verniculte Agg s with water and Pi SA) when used. 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A16       8         716       7-7/8       S         0       0       0         0       0       0         Astecials (BICW), having a maximum applied density of 0. Sprayed fiber insulation may be over Spray-Applied density of 0. Sprayed fiber insulation may be over Spray-Applied density of 5       S         0       44       47         0       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S         5       5       S		12: Mineral and Fibe and fiber boards are is See Mineral and Fiber 13: Foamed Plastic*, no restrictions on this See Foamed Plastic (C 14: Insulating Concre- A. Vermiculte Concrete structural concrete or fo B. Cellular Concrete - Re- surface of the structural AERIX INDUSTRIES — CELCORE INC — Type: ELASTIZELL CORP. 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16       6       8         16       7.7/8       3         0       0       0         10.0010155       0       0         10.0010155       0       0         10.0010155       0       0         10.0010155       0       0         10.0010155       0       0         10.0010155       0       0         10.0010155       5       5         10.001015       5       5         10.001015       5       5         10.001015       5       5         10.001015       5       5         10.001015       5       5         10.001015       5       5         10.001015       5       5         10.001015       5       5         10.001015       5       5         10.001015       10       0         10.001015       0       0         10.001015       0       0         10.001015       0       0         10.001015       0       0         10.001015       0       0         10.001015       0       0         <		12: Mineral and Fibe and fiber boards are is See Mineral and Fiber 13. 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AMERICA — Types MS — Mix consists of 6.2 of (CFFX) category for naised on Facings and Access Hororing panels space PRODUCTS L L C DBA ant Fiber Units* — (Optional Products L C DBA	Classified as "Outle al, Not Shown. Not d beam rating shall y for names of many own. Not for use wi cyanurate or urethy cturers. Shown) Various Vermiculite Aggreg ) when it is used. See - Concentrate mixed least (Item 15 and 1 (+ or -) 3.0 pcf - Concentrate mixed least (Item 15 and 1 (+ or -) 3.0 pcf - Foam concentrate y compressive streng like #3 of cast dry den its acast dry density 2 (+ or -) 3 pcf - Foam concentrate y compressive streng like #3 of cast dry den is oped. Directory for name (3878 ing Materials Directo for use only with ci d within concrete to 1 transversely and 1 ang Materials Directo at, Not Shown) Con g Materials Directo Shown) various, if 6 cy fi of Vermicy it6-U, MSV 200. Cu ft Perfite Aggreg mas of Cas-i (Optional d 24 in. OC. 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116       8         176       7.778       S         0       0       0         126000000000000000000000000000000000000		12: Mineral and Fibe and fiber boards are is See Mineral and Fiber 13: Foamed Plastic*, no restrictions on this See Foamed Plastic (C 14: Insulating Concre- A. Vermiculte Concrete structural concrete or fi B. Cellular Concrete - Re- surface of the structural AERIX INDUSTRIES — CELCORE INC — Type: ELASTIZELL CORP. OF SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 C. Cellular Concrete - Re Cast dry density of 33 ( AERIX INDUSTRIES — ELASTIZELL CORP. OF SIPLAST INC — Mix #1 D. Perfite Concrete - 6 of concrete or foamed pla See Perfite Aggregate ID. Perfite Concrete - 6 of concrete or foamed pla See Perfite Aggregate (Ups://iq.ulprospector; topping (Item 14A), See Foamed Plastic* (f 16: Roof Covering M See Built-Up Roof Cove 17: Insulated Concrete A. Vermiculite Concrete B. Perfite Concrete – See Perfite Aggregate 18: Wall and Partitic Underside of the subl STC ARCHITECTURAL 19: Structural Cemen Over concrete.	erboards* — (Optionalsed, the Unitestrative Board (CER2) Sategory — (Optional, Not Sho (Kness, When polyiso CVW) for isst of manufa ete — (Optional, Not e Blend 5 to 8 tu ft of oamed plastic (item 15) oof Topping Mixture* d concrete or foamed p -Cast day density of 37 Celcore with cast day of AMERICA — Type II, er 1, Cast day density of 32 2, Cast day density of 32 3 additional (item 15A) anterional (item 15A) when it (CFFX) in Fire Resistand com/en/profile?e=1 8RYX) category in Build * — (Not Shown) — H 0.1) pcf, encapsulated toles spaced 12 in. OC 8RYX) category in Build * — (Not Shown) — H 0.1) pcf, encapsulated toles spaced 12 in. OC 8RYX) category in Build faterials* — (Optional ening Materials in Buildi ate — (Optional, Not 1 rete — Mix consists of 6.2 of (CFFX) category for nai on Facings and Acces Ilooring panels space PRODUCTS L & CBA nt Fiber Units* — (Optional prefice and Accession (CFFX) category for nai on Facings and Accession (CFFX) category for nai (CFFX) catego	Classified as "Outle al, Not Shown. Not d beam rating shall y for names of many, own. Not for use wi cyanurate or ureth cyanurate or concentrate y compressive streng lis d's of cast dry den is used cransversely and cyanurate or use only with co concrete to chanterials Directo for use only with co concrete to chanterials Directo as one of cast dry den is used cransversely and cyanurates Directo store, Materials Directo stown) various, if 6 cy fil of Vermico stories (Optiona d 24 in. OC. a STC SOUND CONT ptional, Not Shown LLC Versatoc	It Boxes and Fittin to use with Iter I be increased by (actures). Ith Item 4A) — C are insulation is stypes of insulati- gate* to 94 lb Port • Verniculite Agg s with water and Pi SA) when used. Ca (0) pcf or Type Cel (0) pcf or Type Cel (1) pcf or	ngs Classified for m 4A) — Applied y a minimum of 4 ionsisting of poly used, the unrest ing concrete pres land cement and a <b>pregate</b> (CZZ) cate ortland cement pe ast dry density and icore.MF with cast pof Portland cement a as determined in as as det	Fire Resistance", over concrete floor with 2 hr. socyanurate or urethane aited beam rating shall i rentraining agent. Min thi gory for names of Classifie manufacturer's specification 28-stay min compressive s ary density of 29 (+ or - 3.) ary density of 29 (+ or - 3.) ary density of 29 (+ or - 3.) ary density 40 (+ or - 1.3.) ng agent. Min thickness, 2 ary density 40 (+ or - 1.3.) ng agent. Min thickness, 2 ary in Fire Resistance Direct tory in Fire Resistance Direct ary in Fire Resistance Direct with insulations describ red-and applied in the th d cement and 5 ox of air nt and 1-1/2 pt air entrail se with Items 19, 20 or 2	e Aggregate per manuf sectory for list of Classifier e formed plastic insul of companies. ans. Min. thickness of 2- trength of 190 psi as de pet pet pet pet sectory for 190 psi as de pet sectory for 190 psi as de classifier sectory for list of Classifier eq herein which provi- pickness indicated. entraining agent. This ning agent. Compress 1: Acoustic Sieeper Pa	Section over concrete floor with imum of 1/2 br. In as measured to the top terminest with ASTM C495-66. Bensity 47 (+ or -) 3.0 pcf op surface of structural d companies. ation boards having a med in two rows of three companies. de Class A, B or C coverings. ckness to be 2 in min from two strength 80 psi min.
Product       B         116       7.77/8       S         0       0       0         0       0       0         1       0       0         0       0       0         1. Sprayed liber insulation may be over Spray- Applied         ver Beam         1       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5		12: Mineral and Fibe and fiber boards are is See Mineral and Fiber 13. Foamed Plastic *. no restrictions on this See Foamed Plastic (C 14. Insulating Concrete A. Vermiculte Concrete of the Structural concrete or fo B. 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OC BRYX) category in Build Haterials* — (Optional ering Materials in Buildi Haterials* — (Optional ering Materials in Buildi Hete — (Dptional, Not 1 rete — Mix consists of 6.2 of 1 (CFFX) category for nailed and consists of 6.2 of 1 (CFFX) category for nailed and Fiber Units* — (Optional PRODUCTS L L C PBA IN Fiber Units* — (Optional AL INC — Armoroc Page AL INC — Armoroc Page	Classified as "Outle al, Not Shown. Not d beam rating shaf, y for names of many own. Not for use wi cyanurate or urethic trarers. Shown) Various Vermiculite Aggreg ) when it is used. See - Concentrate mixed lastic (Item 15 and 1 (+ or -) 3.0 pcf - Foam concentrate y compressive streng list #1 of cast dry density 2 (+ or -) 3 pcf - Foam concentrate y compressive streng list #1 of cast dry der ase* to 94 ib of Porti is used. Directory for name (3878 ling Materials Directo for use only with or d within concrete to C transversely and " ing Materials Directo ak. Not Shown) Can my Materials Directo Shown) various, if 6 cy f1 of Vermico Shown) various, if 6 cy f1 of Vermico Sto-U, MSV 200. cu f1 Perfite Aggreg mes of Classified cor ssories (Optiona d 24 in OC. sto SUND cont ptional, Not Shown LLC Versatoc tel	It Boxes and Fittin to use with Iter I be increased by (actures). Ith Item 4A) — C are insulation is stypes of insulati- gate* to 94 lb Port • verniculite Agg s with water and Pi SA) when used. Ca (0) pcf or Type Cel (0) pcf or Type Cel (1) pcf or	ngs Classified for m 4A) — Applied y a minimum of 4 ionsisting of poly used, the unrest ing concrete pres land cement and a <b>pregate</b> (CZZ) cate ortland cement pe ast dry density and icore.MF with cast pof Portland cement a as determined in as as det	Fire Resistance", over concrete floor with 2 hr. socyanurate or urethane aited beam rating shall i rentraining agent. 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1/16       8         7/16       7.77/8       8         7/16       7.77/8       8         0       0       0         Abatedias (BICW), having a roakimum applied density of 1. Sprayed fiber insulation may be over Spray-Applied density of 1. Sprayed fiber insulation may be over Spray-Applied density of 5         Pref Beam         e HP)       44         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         6       3-15/16		12: Mineral and Fiber and fiber boards are is See Mineral and Fiber 13: Foarmed Plastic An or restrictions on this See Foarmed Plastic (C 14: Insulating Concrete A. Vermiculte Concrete structural concrete or fi B. Cellular Concrete or fi B. Cellular Concrete or fi B. Cellular Concrete or fi B. 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Ca (a) perfor Type Cel vol 39 (+ or - 3.0) mixed with water, and Cement and 1 es of Classified co by or Foamed Pia eliular or perlite opping. Each insulate and Cement and 1 es of Classified co by or Foamed Pia eliular or perlite opping. Each insulate use of insulate and a spore of the so f ROL — Acoustic S n) – (Fot size with f Hem 18) – Panel Hem 18) – Panel Hem 18) – Panel Hem 18) – Panel</td> <td>ngs Classified for m 4A) — Applied y a minimum of 1 lonsisting of poly used, the unrest ing concrete prep land cement and a prepate (CZZ) cate ortland cement pe ast dry density and icore MF with cast per Portland cement a as determined in s of port Mix #2 of cast 1-1/2 pt air entrain mpanies. 1-1/2 pt air</td> <td>Fire Resistance", over concrete floor with 2 hr. socyanusate or wethane ained beam rating shall i renzaining agent. 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Apple increased by a miniple increased by a miniple companies.</li> <li>Second 2 in as measured to companies.</li> <li>Second 2 in as measured to the second plastic insulation.</li> <li>Second plastic insulation.</li> &lt;</ul>	iled over concrete floor with imum of 1/2 hr. in as measured to the top terminest with ASTM C495-66. economics application instructions density 47 (+ or -) 3.0 pcf op surface of structural economics. et on boards having a need in two rows of three companies. de Class A, B or C coverings. ckness to be 2 in min from itve strength 80 psi min. inds stapled or adhered to the nt fiber board loosely laid.
1/16         8           1/16         7.7/8         8           0         0         0           Asceriais (BICW), having a maximum applied density of ). Sprayed fiber insulation may be over Spray-Applied           Pe HP)         44         47           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           5         5           4         47		12: Mineral and Fiber and fiber boards are is See Mineral and Fiber 13: Foamed Plastic An or restrictions on this See Foamed Plastic (C 14: Insulating Concrete A. Vermiculae Concrete structural concrete or fi B. Cellular Concrete Ac surface of the structural AERIX INDUSTRIES — CELCORE INC — Type : SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 SIPLAST INC — Mix #1 C. Cellular Concrete - Re Cast dry density of 33 ( AERIX INDUSTRIES — ELASTIZELL CORP OF SIPLAST INC — Mix #2 D. Perlite Concrete - 6 ( concrete or foamed pla See Perlite Aggregate D. Perlite Concrete - 6 ( concrete or foamed pla See Perlite Aggregate (IDS://iq.ulprospector; topping (Item 14A), See Foamed Plastic' (I 15A: Foamed Plastic' (I	erboards* — (Optional sed, the Unrestrained Board (CER2) Sategory — (Optional, Not Sho ckness, When polyiso CVW) for isst of manufa ete — (Optional, Not e Blend 5 to 8 to ft of bamed plastic (Btem 15) oof Topping Mixture* & concrete or foamed p -Cast day density of 37 Celcore with cast day of AMERICA — Type II, w 1, Cast day density of 32 2, Cast day density of 32 3 AMERICA — Type II, w 1, Cast day density of 32 2, Cast day density of 32 2, Cast day density of 32 3 AMERICA — Type II, w 1, Cast day density of 32 2, Cast day density of 32 3 AMERICA — Type II, w 1, Cast day density of 32 2, Cast day density of 32 2, Cast day density of 32 3 addressity of a 28 addressity of 32 2, Cast day density of 32 2, Cast day density of 32 3 addressity of 32 2, Cast day density of 32 3 addressity of 32 2, Cast day density of 32 3 addressity of 32 4 addressity of 32 addressity of 32 3 addressity of 3 3 addressity of 3 addressity of 3 ad	Classified as "Outle al, Not Shown. Not d beam rating shaf, r for names of many own. Not for use wi cyanurate or urethy currers. (Shown) Various Vermiculite Aggreg ) when it is used. See - Concentrate mixed lastic (Item 15 and 1 (+ or -) 3.0 pcf - Foam concentrate y compressive streng (Ite a cast dry density 2 (+ or -) 3 pcf - Foam concentrate y compressive streng (Ite #1 of cast dry der steen to 94 lb of Porti is used. te Directory for name (3878 ling Materials Directo For use only with or current of y dry and " mg Materials Directo Shown) various, if 6 cu ft of Vermicus (Ite Perfite Aggree mes of Classified cor stories (Optional d 24 in. OC. stor Shown) various, if 6 cu ft of Vermicus (Ite	At Boxes and Fittin to use with Iter l be increased by (acturers. ith Itern 4A) — C are insulation is s types of insulati- pater to 94 lb Port s to 94 lb Port verminate and Pi SA) when used. Ca (a) perfor Type Cel vol 39 (+ or - 3.0) mixed with water, and Cement and 1 es of Classified co by or Foamed Pia eliular or perlite opping. Each insulate and Cement and 1 es of Classified co by or Foamed Pia eliular or perlite opping. Each insulate use of insulate and a spore of the so f ROL — Acoustic S n) – (Fot size with f Hem 18) – Panel Hem 18) – Panel Hem 18) – Panel Hem 18) – Panel	ngs Classified for m 4A) — Applied y a minimum of 1 lonsisting of poly used, the unrest ing concrete prep land cement and a prepate (CZZ) cate ortland cement pe ast dry density and icore MF with cast per Portland cement a as determined in s of port Mix #2 of cast 1-1/2 pt air entrain mpanies. 1-1/2 pt air	Fire Resistance", over concrete floor with 2 hr. socyanusate or wethane ained beam rating shall i renzaining agent. Min thi gory for names of Classifie manufacturer's specificati 28-stay min compressive s ary density of 29 (+ or - 3.4 constance with ASTM C49 t dry density 40 (~ or -) 3.5 ng agent. Min thickness 2 i dry density 40 (~ or -) 3.5 ng agent. Min thickness 2 i dry density 40 (~ or -) 3.5 ng agent. 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Apple increased by a miniple increased by a miniple companies.</li> <li>Companies.</li> <li>Compani</li></ul>	iled over concrete floor with imum of 1/2 hr. in as measured to the top terminest with ASTM C495-66. economics application instructions density 47 (+ or -) 3.0 pcf op surface of structural economics. et on boards having a need in two rows of three companies. de Class A, B or C coverings. ckness to be 2 in min from itve strength 80 psi min. inds stapled or adhered to the nt fiber board loosely laid.

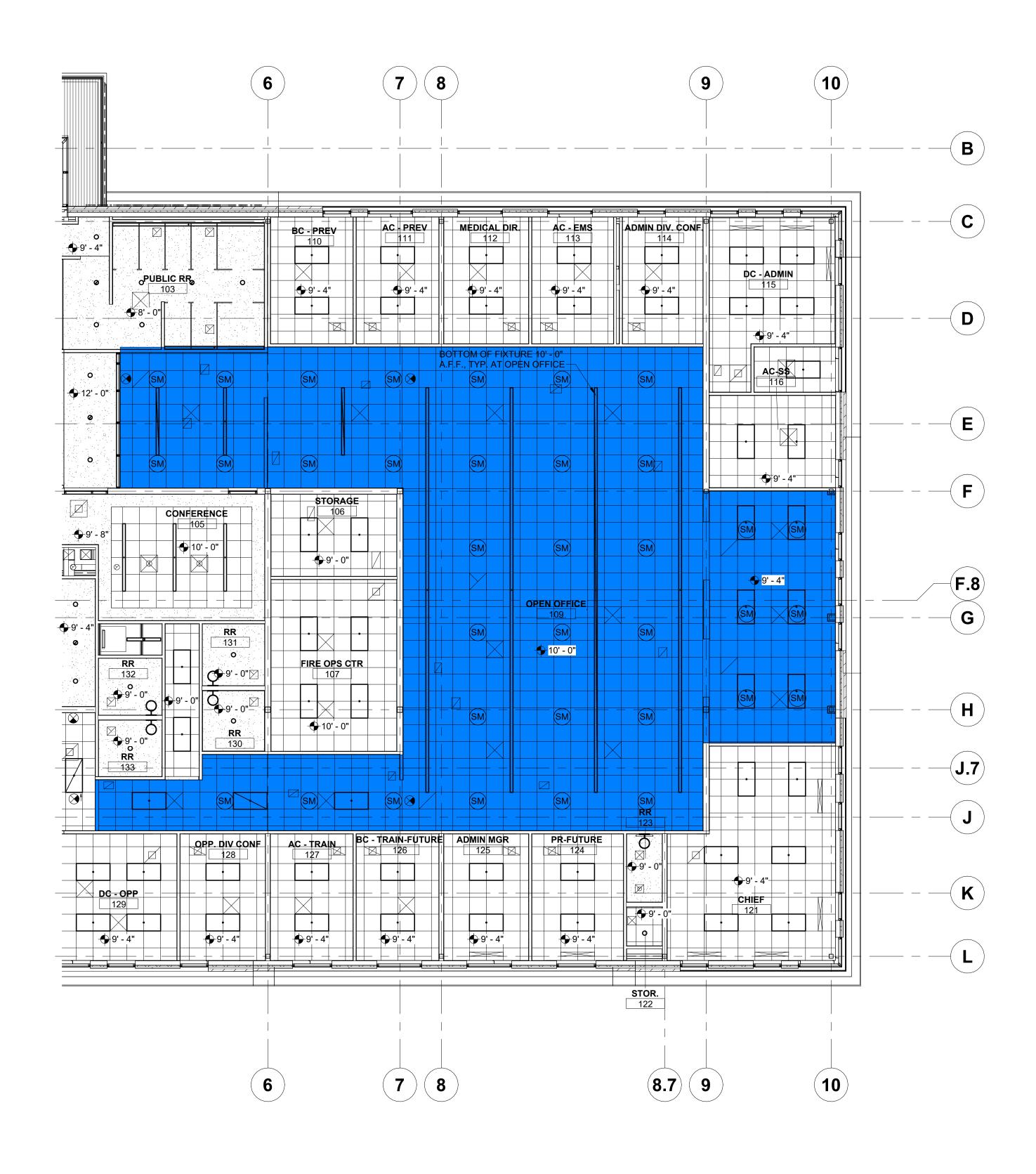




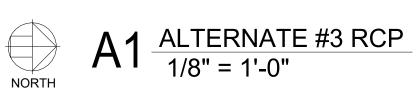
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				AL	TERNATE	#1 DOOR SCH	IEDULE					
DOOR #	ROOM: NAME	WIDTH	HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	FIRE RATING	AAOS Project HW Set	HEAD	JAMB	REMARKS
020	WATER	3' - 0"	7' - 0"	HM	F	НМ	F1		20.0	J12 / A-601	J10 / A-601	
021	ELEC.	3' - 0"	7' - 0"	HM	F.	HM	F1		24.0	J12 / A-601	J10 / A-601	
022	MEDIA	3' - 0"	7' - 0"	WD	F	HM	F1		17.0	J12 / A-601	J10 / A-601	+
023	COMM STOR.	3' - 0"	7' - 0"	WD	F.	HM	F1		17.0	J12 / A-601	J10 / A-601	
039B	GENERAL STORAGE	3' - 0"	7' - 0"	HM	F	HM	F1		18.0	J12 / A-601	J10 / A-601	
039C	GENERAL STORAGE	3' - 0"	7' - 0"	HM	F	HM	F1		18.0	J12 / A-601	J10 / A-601	
040	ELEC.	3' - 0"	7' - 0"	HM	F	HM	F1		22.0	J12 / A-601	J10 / A-601	
042A	LOADING DOCK	3' - 0"	8' - 0"	HM	DF	HM	F2		25.0	J9 / A-601	J7 / A-601	
048	988	3' - 0"	7' - 0"	WD	F	HM	F1		27.0	J12 / A-601	J10 / A-601	
106	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1		17.0	J12 / A-601	J10 / A-601	
110	BC - PREV	3' - 0"	7' - 0"	WD	F	HM	F1		17.0	J12 / A-601	J10 / A-601	
111	AC - PREV	3' - 0"	7' - 0"	WD	F	HM	F1		17.0	J12 / A-601	J10 / A-601	
112	MEDICAL DIR.	3' - 0"	7' - 0"	WD	F	HM	F1		17.0	J12 / A-601	J10 / A-601	
113	AC - EMS	3' - 0"	7' - 0"	WD	F	HM	F1		17.0	J12 / A-601	J10 / A-601	
114	ADMIN DIV. CONF.	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
115	DC - ADMIN	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
116	OPEN OFFICE	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
121	CHIEF	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
124	PR-FUTURE	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
125	ADMIN MGR	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
126	BC - TRAIN-FUTURE	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
127	AC - TRAIN	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
128	OPP. DIV CONF	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
129	DC - OPP	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
134	ROOF	3' - 0"	7' - 0"	WD	F	НМ	F1		19.0	J12 / A-601	J10 / A-601	
141	STORAGE	3' - 0"	7' - 0"	WD	F	НМ	F1		17.0	J12 / A-601	J10 / A-601	
142	CONFERENCE	3' - 0"	7' - 0"	WD	V	HM	F1		17.0	J12 / A-601	J10 / A-601	
143	CONFERENCE	3' - 0"	7' - 0"	WD	V	HM	F1		17.0	J12 / A-601	J10 / A-601	
144	PLANNER	3' - 0"	7' - 0"	WD	V	HM	F1		17.0	J12 / A-601	J10 / A-601	
145	AC - EMERG MGMT	3' - 0"	7' - 0"	WD	V	HM	F1		17.0	J12 / A-601	J10 / A-601	+
149	JAN	3' - 0"	7' - 0"	WD	F	HM	F1		22.0	J12 / A-601	J10 / A-601	
153	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1		20.0	J12 / A-601	J10 / A-601	+
156	STOR.	3' - 0"	7' - 0"	WD	DF	HM	F1		26.0	J12 / A-601	J10 / A-601	
157	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1		22.0	J12 / A-601	J10 / A-601	

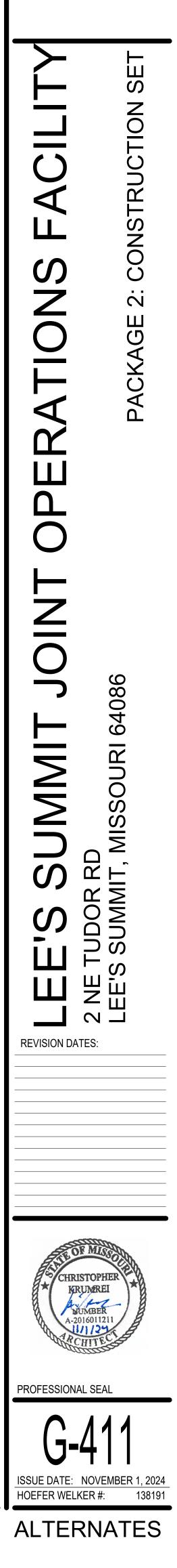


ALTERNATES LEGEND								
ALT.#	DESCRIPTION							
1	REFERENCE NOTES FOR ADDED CARD READER IN HARDWARE SETS 17.0, 18.0, 19.0, 20.0, 22.0, 24.0, 25.0, 26.0, 27.0 FOR DOORS SHOWN IN ALTERNATE #1 DOOR SCHEDULE							
2	PROVIDE VEHICLE BUILDING RE-SHEETS A-104 AND A-105							
3	PROVIDE SOUND MASKING IN OPEN OFFICE 109. RE A1/G-411 FOR LOCATIONS.							
4	ADD PRINT #51777, COLOR V908 ON SURFACE #2 TO ALL GLASS IN WINDOW TYPES A1, A2, B1, B2, C1, C2, C3, C4, C5, C6, C7, AND C8							
5	ADD UNDER SLAB WATERPROOFING TO LOWER LEVEL FOUNDATIONS AND SLAB ON GRADE. RE A7/G-411 AND E7/G-411.							



## Lee's Summit, Missouri 02/14/2025 HOEFER WELKER 4622 PENNSYLVANIA AVENUE SUITE 1400 KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com COPYRIGHT © BY HOEFER WELKER, LLC

RELEASED FOR CONSTRUCTION As Noted on Plans Review



2018 INTERNATIONAL BUILDING CODE	<ol> <li>ALL COLD-FORMED FRAMING SHALL BE ASTM A 1003, GRA</li> <li>PROVIDE COLD-FORMED METAL FRAMING CAPABLE OF W</li> </ol>
<u>GENERAL NOTES:</u> 1. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE.	2. PROVIDE COLD-FORMED METAL FRAMING CAPABLE OF W UNDER CONDITIONS INDICATE ON CONTRACT DOCUMEN LIGHT GAGE ENGINEER TO VERIFY SIZES UTILIZED FOR E
2. THE DRAWINGS REPRESENT THE FINISHED STRUCTURE, NOT THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT	3. DEFLECTION LIMITS: L/240 UNLESS ITS AN APPLICATION AT MASONRY TH
THE NEW AND EXISTING STRUCTURE DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, BRACING, SHORING FOR CONSTRUCTION LOADS AND EQUIPMENT, ETC. THE ARCHITECT-ENGINEER IS NOT RESPONSIBLE FOR THE CONTRACTOR'S MEANS AND METHODS, SEQUENCES OF	4. PROVIDE SHOP DRAWINGS SHOWING LAYOUT, SPACING, FRAMING INCLUDING FASTENING AND ANCHORAGE DETA
CONSTRUCTION, OR THE SAFETY PROGRAM. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT-ENGINEER WILL NOT INVOLVE REVIEW OF THESE ITEMS.	SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PR
3. CONTRACTOR IS TO ESTABLISH AND VERIFY OPENINGS AND INSERTS FOR ITEMS TO BE INSTALLED BY OTHER TRADES PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND CONSTRUCTION.	5. SCREWS SHALL BE HILTI INC., KWIK-PRO SELF DRILLING MANUFACTURER'S RECOMMENDATIONS AND ICC REPOR
4. CONSTRUCTION MATERIAL AND EQUIPMENT PLACED ON FRAMED CONSTRUCTIONS SHALL BE SUCH THAT THE LOAD DOES NOT EXCEED THE DESIGN LIVE LOAD OF THE CONSTRUCTION. PROVIDE	6. WHERE GYPSUM SHEATHING IS NOT REQUIRED ON BOTH SHALL BE INSTALLED AS REQUIRED BY MANUFACTURER.
SHORING OF CONSTRUCTIONS WHERE NECESSARY FOR LOADS. 5. DETAILS THAT ARE NOTED AS "TYP." ON DETAIL TITLES ARE TO BE APPLIED TO THE PROJECT	7. ALL LIGHT GAUGE STEEL FRAMING SHALL BE INSTALLED ETC. AS REQUIRED TO STRICTLY CONFORM TO MANUFAC
CONSTRUCTION AS GENERAL CONSTRUCTION METHODS UNLESS NOTED OTHERWISE. THESE DETAILS ARE NOT CUT AT ALL LOCATIONS THEY OCCUR AND MAY NOT BE CUT AT ALL.	OBTAIN A COPY OF THE MANUFACTURER'S SUGGESTED ( DURING CONSTRUCTION.
6. CONTRACTOR NOTE: PROVIDE 2 TONS OF MISCELLANEOUS STRUCTURAL STEEL SHAPES (LABOR FOR BOTH LABOR FOR DETAILING AND ERECTION INCLUDED FOR FIELD USE AS DIRECTED BY THE ARCHITECT/ENGINEER.	PRECAST CONCRETE 1. THE CONTRACTOR/SUPPLIER IS RESPONSIBLE FOR THE I CONNECTION BETWEEN THEM AND OTHER STRUCTURAL
DESIGN: ALL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS, EXCEPT	BY AN ENGINEER LICENSED IN THE STATE OF THE PROJE ARCHITECT/ENGINEER OF RECORD.
WHERE NOTED TO THE CONTRARY ON DRAWINGS OR WHERE MORE STRINGENT REQUIREMENTS ARE SHOWN.	2. ALL PRECAST MEMBERS ARE TO BE DESIGNED IN ACCOR APPLICABLE CODES, STANDARDS (SEE SPECS) AND DESI
ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS. ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE	3. PROVIDE BLOCKOUTS AND OPENINGS FOR MECHANICAL/ MECHANICAL/ELECTRICAL DOCUMENTS.
AISC 360-16 SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS AISI-5100-16 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS	4. SHOP DRAWINGS SHALL BE COMPLETE AND SHALL INCLU CAMBER, CONNECTION AND ANCHORAGE DETAILS AND M
STRUCTURAL MEMBERS AWS D1 1 STRUCTURAL WELDING CODE ICC500-2014 ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTER	MARKS SHALL APPEAR ON MANUFACTURED UNITS TO FA
DEAD LOADS: ROOF: 87 PSF (MAIN BUILDING)	5. REFER TO MECHNICAL/ELECTRICAL DRAWINGS FOR CON <u>STRUCTURAL STEEL:</u>
CANOPY: 15 PSF	1. FABRICATOR SHALL BE AISC CERTIFIED IN LIEU OF THE P BID THE SERVICES OF A SPECIAL INSPECTOR TO PROVID WORK TO MEET THE REQUIREMENTS OF 2018 INTERNATI
ROOF: 100 PSF CANOPY: 20 PSF	2. STRUCTURAL STEEL SHALL MEET ASTM A36 UNLESS NOT
SNOW LOADS: SNOW LOADS IN ACCORD WITH THE 2018 INTERNATIONAL BUILDING CODE AND ASCE 7	FLANGE SHAPES SHALL MEET ASTM A992. 3. STEEL TUBES SHALL MEET ASTM A500, GRADE B.
INCLUDING DRIFTING SNOW LOADS CHAPTER 16. Ce = 1.0	4. STEEL PIPE SHALL MEET ASTM A53, TYPE E OR S, GRADE
Ct = 1.0 Pg = 20 PSF	5. BOLTS SHALL BE 3/4" DIAMETER A325-N UNLESS OTHERW
Pf = 16.8 PSF Pf(min)=16 psf RAIN ON SNOW LOAD=5 PSF	<ol> <li>FIELD BOLTING INSTALLATION SHALL BE INSPECTED IN A BUILDING CODE AND THE AISC LRFD MANUAL, SECOND E TIGHT UNLESS NOTES OTHERWISE NOTED. ASTM A-325-3</li> </ol>
DESIGN BALANCE SNOW LOAD = 22 PSF WIND LOAD:	<ul> <li>7. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF ⁻</li> </ul>
WIND LOADS IN ACCORD WITH THE 2018 INTERNATIONAL BUILDING CODE. ULTIMATE DESIGN WIND SPEED = 122 MPH EXPOSURE = B	7. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF AWS D1.1-98. ELECTRODES SHALL MATCH BASE METALS BUILDING CODE.
SEISMIC LOAD:	8. ALL FIELD WELDING SHALL BE VISUALLY INSPECTED BY T
SEISMIC DESIGN IN ACCORD WITH 2018 INTERNATIONAL BUILDING CODE. IE=1.5 SEISMIC USE GROUP IV	9. HOT DIP GALVANIZE ALL STEEL MEMBERS EXPOSED TO E 10. ALL STEEL BELOW GRADE SHALL BE ENCASED IN CONC
SITE CLASS = B MAPPED SPECTRAL RESPONSE COEFFICIENTS: Ss = 0.16 SI = 0.082	STEEL SHALL BE THOROUGHLY COATED WITH TWO COAT
SPECTRAL RESPONSE COEFFICIENTS: SDS = 0.082 SDI = 0.057 SEISMIC DESIGN CATEGORY A INTERMEDIATE REINFORCED MASONRY WALLS & BRACED FRAMES.	STEEL JOISTS: 1. FABRICATOR SHALL BE AN "APPROVED FABRICATOR" IN A CODE BUILDING CODE SECTION 1704.2, REGISTERED AND
Cs = 0.01 LATERAL LOAD RESISTANCE SYSTEM:	2. DESIGNED, FABRICATED AND ERECTED IN ACCORD WITH
STEEL DECK ROOF DIAPHRAGMS TRANSFERRING LATERAL LOADS TO INTERMEDIATE REINFORCED MASONRY SHEAR WALLS & BRACED FRAME SUPPORTED BY SHALLOW CONCRETE FOUNDATIONS.	AND THE STANDARD SPECIFICATIONS FOR STEEL JOIST, PUBLISHED BY THE STEEL JOIST INSTITUTE.
FOUNDATIONS: 1. A GEOTECHNICAL REPORT HAS BEEN COMPLETED BY GEOTECHNOLOGY, LLC DBA UES DATED MAY 21, 2024. UES	<ol> <li>SIZE, TYPE AND SPACING OF JOIST BRIDGING TO BE IN A RECOMMENDATIONS. USE 'X'-BRIDGING AT DISCONTINUC TO AVOID MECHANICAL OPENINGS.</li> </ol>
PROJECT NO.: J045326.01. ALL RECOMMENDATIONS SHOULD BE FOLLOWED. 2. ALLOWABLE BEARING PRESSURE: 12000 PSF	4. JOIST SEAT DEPTH SHALL BE 2-1/2" FOR 'K' SERIES AND 5"
3. FROST DEPTH = 12" ON SHALE & LIMESTONE	OTHERWISE. 5. DESIGN EXTENDED ENDS FOR SAME DEAD LOADS AS JOI
4. SEE GEOTECHNICAL REPORT FOR ANY ADDITIONAL OVEREXCAVATION AND SUBGRADE PREPARATION REQUIREMENTS. ALL RECOMMENDATION IN THE GEOTECHNICAL REPORT SHALL BE FOLLOWED UNO.	LOADS AS INDICATED. LIMIT LIVE LOAD DEFLECTION TO 6. ADDITIONAL LOADS HAVE BEEN NOTED ON FRAMING PLA
<u>STRUCTURAL BACKFILL:</u> 1. ALL BELOW-GRADE WALLS TO BE BACKFILLED WITH GRAVEL BACKFILL AS DESCRIBED IN GEOTECH REPORT.	SUPPORT THE ADDITIONAL LOADS. IT IS THE JOISTS SUF LOAD IN ADDITION TO THE DEAD AND LIVE LOADS LISTED
2. PLACE BACKFILL AND COMPACT IN 8" LIFTS PER GEOTECH REPORT.	<u>METAL DECK:</u> 1. METAL ROOF DECK SHALL BE DEPTH X GAUGE SHOWN O
3. DESIGN EQUIVALENT FLUID PRESSURES (GRAVEL BACKFILL) ACTIVE: 35 psf/ft	LAPS AND PAINTED. 2. COMPOSITE FLOOR DECK SHALL BE DEPTH X GAUGE SHO
AT-REST: 56 psf/ft CONCRETE:	SIDE LAPS AND GALVANIZED.
1. CONCRETE MIX DESIGNS: FOOTINGS:	3. FASTEN ROOF DECK IN ACCORD WITH METAL DECK ATTA FASTENING DETAILS. DECK ATTACHMENT SHALL BE IN A DECK INSTITUTE'S SECOND EDITION OF THE DIAPHRAGM
MIN 28 DAY COMPRESSIVE STRENGTH = 4,000 PSI W/C RATIO = 0.50 MAX AGGREGATE SIZE = 3/4"	4. METAL DECK ATTACHMENTS SHALL BE INSPECTED BY TE
SLUMP = 4" ±1" AIR CONTENT = 6% ±1.5% (ASTM C 260)	MASONRY: 1. THE MINIMUM 28-DAY COMPRESSIVE STRENGTH OF THE ON THE NET AREA, PROVIDING A STRUCTURAL RESIGN OF
WALLS: MIN 28 DAY COMPRESSIVE STRENGTH = 4,000 PSI	ON THE NET AREA, PROVIDING A STRUCTURAL DESIGN C 2018 INTERNATIONAL BUILDING CODE, TABLE 2105.2.2.1.2
W/C RATIO = 0.50 MAX AGGREGATE SIZE = 3/4" SLUMP = 4" ±1"	2. MORTAR SHALL BE TYPE S IN ACCORD W/TH THE 2018 IN MORTAR PROPORTIONS FOR UNIT MASONRY, USING CEM (MASONRY CEMENT IS NOT ACCEPTABLE).
AIR CONTENT = 6% ±1.5% (ASTM C 260)	3. ELEVATOR WALL MASONRY GROUT SHALL BE THE GREAT
SLAB ON GRADE: MIN 28 DAY COMPRESSIVE STRENGTH = 4,000 PSI	COMPRESSIVE STRENGTH OF THE MASONRY UNITS. AIR ACCEPTABLE IN GROUT MIX. GROUT SHALL HAVE A SLUM
W/C RATIO = 0.45 MAX AGGREGATE SIZE = 3/4" MAX SLUMP = 4"	<ol> <li>MASONRY REINFORCING STEEL SHALL BE ASTM A615, GF</li> <li>HORIZONTAL JOINT REINFORCING SHALL BE STANDARD I</li> </ol>
AIR CONTENT = 1.5% (ASTM C 260) EXTERIOR CONCRETE:	CENTER, UNLESS OTHERWISE NOTED ON PLAN.
MIN 28 DAY COMPRESSIVE STRENGTH = 4,500 PSI W/C RATIO = 0.40	<ol> <li>MINIMUM BOND BEAM REINFORCING SHALL BE 2 - #4 IN 6 BEAMS. BOND BEAM REINFORCING SHALL BE CONTINUO ON TYPICAL MASONRY WALL OPENING DETAIL.</li> </ol>
MAX AGGREGATE SIZE = 3/4" SLUMP = 4"±1" AIR CONTENT = 6% ± 1.5% (ASTM C 260)	<ol> <li>SPLICE LENGTHS FOR MASONRY REINFORCEMENT SHALL</li> <li>LENGTH TABLE OR AS SHOWN ON THE DRAWINGS.</li> </ol>
2. IF CONTRACTOR DESIRES TO INCREASE SLUMP ABOVE ALLOWABLE LIMITS TO FACILITATE PLACEMENT OR	8. PROVIDE BOND BEAMS AT TOP OF ALL WALLS, AT ROOFS
PUMPING THIS SHALL BE DONE UTILIZING AN APPROPRIATE APPROVED ADMIXTURE - NO WATER SHALL BE ADDED AT THE PROJECT SITE WITHOUT THE ENGINEER'S PERMISSION. ALL ADMIXTURES SHALL BE APPROVED IN WRITING BY THE ENGINEER.	9. REINFORCING SHALL BE HELD IN PLACE PRIOR TO GROU
3. THE CONTRACTOR SHALL REJECT ANY CONCRETE THAT EXCEEDS THE SLUMP LIMITS NOTED ABOVE OR EXCEEDS THE TOTAL ALLOWABLE MIXING TIME.	NOT EXCEEDING 192 BAR DIAMETERS NOR 10 FEET. PRO
4. FLY ASH MAY BE INCLUDED IN FOUNDATION CONCRETE.	8" CONC BLOCK 1-#5 @ 4'-0" OC
5. NO ALUMINUM SHALL BE PLACED IN CONCRETE.	11. PROVIDE 1 #5 VERTICAL REINFORCING AT JAMB OPENIN EACH SIDE OF CONTROL JOINTS. SPECIAL JAMB REINFO
6. DURING HOT WEATHER (80 DEGREES F AND ABOVE, THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS ACI 305"HOT WEATHER CONCRETE." DURING COLD WEATHER (40 DEGREES F AND BELOW), THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI-306 "COLD WEATHER CONCRETING."	12. ELECTRICAL PANELS, CONDUITS, PIPES, FIRE EXTINGUIS
7. THE CONCRETE MIX DESIGNS ARE TO BE SUBMITTED AS A FORMAL SUBMITTAL TO THE ENGINEER OF RECORD FOR	AS NOT TO INTERFERE WITH REINFORCED AND/OR GRO HORIZONTALLY THROUGH WALLS SHALL BE SLEEVED. I
REVIEW AND ACCEPTANCE. AFTER ACCEPTANCE OF THE MIX DESIGN BY THE ENGINEER OF RECORD, THE ACCEPTED DESIGNS MUST BE FORWARDED TO THE CITY INSPECTION DEPT. & THE SPECIAL INSPECTOR PRIOR TO CONCRETE BEING DELIVERED TO THE SITE.	BE THREE DIAMETERS. 13. GROUT SHALL BE MECHANICALLY CONSOLIDATED IN A M
<u>CONCRETE REINFORCEMENT:</u> 1. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.	RECONSOLIDATED IN ACCORD WITH THE 2018 INTERNATION INTERNA
2. CONCRETE COVER REQUIREMENTS FOR CAST-IN-PLACE, UNLESS OTHERWISE NOTED ON	14. PROVIDE GROUT AND MASONRY UNIT TESTING PRIOR T 2018 INTERNATIONAL BUILDING CODE.
DETAILS: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"	15. REINFORCEMENT PLACEMENT, GROUT SPACES AND GR LABORATORY IN ACCORD WITH THE 2018 INTERNATION/ PROJECTION INTO THE GROUT SPACE SHALL NOT EXCE
OTHER: #6 BARS AND LARGER: 2" #5 BARS AND SMALLER: 1-1/2"	
3. REINFORCING BAR SPLICES SHALL BE IN ACCORD WITH THE REQUIREMENTS OF ACI 318-14 AND THE REINFORCING	
SPLICE LENGTH TABLE SHOWN ON THE DRAWINGS.	

#8/L

8∏

### BE ASTM A 1003, GRADE ST 50H WITH G60 COATING.

AMING CAPABLE OF WITHSTANDING DESIGN LOADS WITHIN LIMITS AND CONTRACT DOCUMENTS. 18 GA MINUMUM THICKNESS IS REQ'D. CONSULT SIZES UTILIZED FOR BID PURPOSES

#### ATION AT MASONRY THEN L/600

NG LAYOUT, SPACING, SIZES, THICKNESS AND TYPES OF COLD-FORMED AND ANCHORAGE DETAILS WITH SUPPORTING CALCULATIONS SIGNED AND NEER LICENSED TO PRACTICE IN THE STATE OF THE PROJECT. K-PRO SELF DRILLING OR AN APPROVED EQUAL. INSTALL IN ACCORD WITH FIONS AND ICC REPORT ESR-2196.

T REQUIRED ON BOTH FACES OF STEEL STUDS, CONTINUOUS BRIDGING D BY MANUFACTURER.

SHALL BE INSTALLED WITH BRIDGING, BRACING, TRACK, AND STIFFENERS, ONFORM TO MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL FURER'S SUGGESTED CONSTRUCTION DETAILS TO USE AS A REFERENCE

ESPONSIBLE FOR THE DESIGN OF ALL THE PRECAST MEMBERS AND OTHER STRUCTURAL MEMBERS. SUBMIT DESIGN CALCULATIONS, SEALED STATE OF THE PROJECT LOCATION, FOR REVIEW BY THE

E DESIGNED IN ACCORDANCE WITH ACI 318-14, 2018 IBC AND OTHER SEE SPECS) AND DESIGNED CONNECTIONS.

NGS FOR MECHANICAL/ELECTRICAL EQUIPMENT. REFER TO

ETE AND SHALL INCLUDE A LAYOUT PLAN, FABRICATION DETAILS, ESTIMATED ORAGE DETAILS AND MEMBER IDENTIFICATION MARKS. IDENTIFICATION CTURED UNITS TO FACILITATE CORRECT FIELD PLACEMENT. L DRAWINGS FOR CONDUIT LOCATIONS EMBEDDED IN PRECAST MEMBERS

FIED IN LIEU OF THE PREVIOUS, FABRICATOR SHALL INCLUDE IN THEIR SPECTOR TO PROVIDE INSPECTION/TESTING SERVICES FOR IN-SHOP

TS OF 2018 INTERNATIONAL BUILDING CODE SECTION 1704. ASTM A36 UNLESS NOTED OTHERWISE. STRUCTURAL STEEL WIDE

325-N UNLESS OTHERWISE NOTED. LL BE INSPECTED IN ACCORD WITH THE 2018 INTERNATIONAL D MANUAL, SECOND EDITION. BOLTS SHALL BE INSTALLED SNUG NOTED. ASTM A-325-SC SHALL BE FULLY TIGHTENED USING LOAD

THE PROVISIONS OF THE AMERICAN WELDING SOCIETY CODE MATCH BASE METALS AS SPECIFIED IN 2018 INTERNATIONAL

JALLY INSPECTED BY THE TESTING LABORATORY.

MBERS EXPOSED TO EXTERIOR TO MEET ASTM 525 G60. BE ENCASED IN CONCRETE WHERE POSSIBLE; IF NOT POSSIBLE, ATED WITH TWO COATS OF ASPHALTIC PAINT.

VED FABRICATOR" IN ACCORD WITH THE 2018 INTERNATION BUILDING 04.2, REGISTERED AND APPROVED BY THE LOCAL BUILDING DEPARTMENT TED IN ACCORD WITH THE 2018 INTERNATION BUILDING CODE CHAPTER 22 INS FOR STEEL JOIST, K-SERIES, LH-SERIES, DLH-SERIES AND JOIST GIRDERS

#### BRIDGING TO BE IN ACCORD WITH STEEL JOIST INSTITUTE GING AT DISCONTINUOUS ENDS OF BRIDGING. LOCATE BRIDGING

FOR 'K' SERIES AND 5" INCHES FOR 'LH' SERIES UNLESS NOTED

E DEAD LOADS AS JOIST AND A SNOW LOAD OF 40 PSF, AND OTHER

TED ON FRAMING PLANS. JOISTS SHALL BE DESIGNED TO IT IS THE JOISTS SUPPLIERS RESPONSIBILITY TO DESIGN JOIST FOR ANY ND LIVE LOADS LISTED ON THIS SHEET.

TH X GAUGE SHOWN ON DRAWINGS(22 GA. MIN.), WITH NESTABLE SIDE

DEPTH X GAUGE SHOWN ON DRAWING (22 GA MIN.), WITH NESTABLE ITH METAL DECK ATTACHMENT TYPES NOTED ON THE PLANS AND HMENT SHALL BE IN ACCORD WITH VULCRAFT AND THE STEEL

N OF THE DIAPHRAGM DESIGN MANUAL OR APPROVED EQUAL. BE INSPECTED BY TESTING LABORATORY.

STRENGTH OF THE CONCRETE MASONRY UNITS SHALL BE 1900 PSI RUCTURAL DESIGN COMPRESSIVE STRENGTH OF 1500 PSI PER THE DE, TABLE 2105.2.2.1.2.

DRD WITH THE 2018 INTERNATIONAL BUILDING CODE, TABLE NO. 2103.7(1), MAŞÓNRY, USING CEMENT LIME OR MORTAR CEMENT MIXES. ΓABLE).

SHALL BE THE GREATER OF 2500 PSI OR THE MASONRY UNITS. AIR ENTRAINMENT AND OTHER ADDITIVES ARE NOT JT SHALL HAVE A SLUMP OF 8 TO 11 INCHES. ALL BE ASTM A615, GRADE 60.

SHALL BE STANDARD LADDER TYPE, GALVANIZED, AT 16-INCHES ON FED ON PLAN.

G SHALL BE 2 - #4 IN 6" AND 8" BOND BEAMS AND 2 - #5 IN 12" BOND SHALL BE CONTINUOUS THROUGH CONTROL JOINTS EXCEPT AS NOTED

ING DETAIL. EINFORCEMENT SHALL BE IN ACCORD WITH THE REINFORCING SPLICE

THE DRAWINGS.

ALL WALLS, AT ROOFS, STRUCTURAL FLOORS, OVER ALL OPENINGS IN DRAWINGS.

ACE PRIOR TO GROUTING WITH WIRE POSITIONERS PLACED AT INTERVALS RS NOR 10 FEET. PROVIDE POSITIONERS AT REINFORCING SPLICES. AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS OR DETAILS.

CING AT JAMB OPENINGS, ENDS AND CORNERS OF ALL WALLS AND SPECIAL JAMB REINFORCING, WHERE REQUIRED, IS CALLED OUT ON

PIPES, FIRE EXTINGUISHER CABINETS, ETC., ARE TO BE LOCATED SO IFORCED AND/OR GROUTED CELLS. PIPES AND CONDUITS PASSING SHALL BE SLEEVED. MINIMUM SPACING OF SLEEVES SHALL

CONSOLIDATED IN A MANNER TO FILL THE GROUT SPACE AND TH THE 2018 INTERNATIONAL BUILDING CODE.

JNIT TESTING PRIOR TO AND DURING CONSTRUCTION IN ACCORD WITH THE

ROUT SPACES AND GROUTING OPERATION SHALL BE INSPECTED BY TESTING E 2018 INTERNATIONAL BUILDING CODE REQUIREMENTS. MORTAR FIN

POST-INSTALLED ANCHORS:

- . EXPANSION BOLTS INSTALLED IN CONCRETE OR MASONRY SHALL BE HILTI KWIK BOLT TZ ANCHORS OR APPROVED EQUAL WITH EMBEDMENT NOTED ON THE DRAWINGS OR EMBEDMENT AS RECOMMENDED BY MANUFACTURER WHERE NO EMBEDMENT IS SHOWN. INSTALL IN ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND ICC-ES REPORTS ESR-4266.
- 2. SCREW ANCHORS SHALL BE KWIK HUS-EZ-SS316 CONCRETE ANCHORS BY HILTI, INC. OR APPROVED EQUAL. INSTALL IN ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND ICC-ES REPORT ESR-3027 3. ADHESIVE ANCHORS SHALL BE HILTI:
- -HIT-HY 200 SAFE SET SYSTEM WITH THE HILTI HIT-Z ROD OR HAS THREADED ROD, PER ICC ESR 3187 -HIT-HY SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT (TE-CD OR TE-YD) WITH HAS -E THREADED ROD PER ICC-3187 -HIT-RE 500 V3 EPOXY ADHESIVE ANCHORING SYSTEM WITH THREADED ROD PER ESR-3814
- 4. ANCHORS ARE NOT TO BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED ITS DESIGN STRENGTH.

1. FOR FIRE-RATING REQUIREMENTS AND METHODS, SEE ARCHITECTURAL DRAWINGS.

- SPECIAL STRUCTURAL INSPECTIONS: . IN ACCORD WITH THE 2018 INTERNATIONAL BUILDING CODE, SECTION 1704, AS NOTED BELOW. TESTING AND INSPECTION SHALL BE BY AN INDEPENDENT TESTING/INSPECTION FIRM, UNDER THE SUPERVISION OF A LICENSED ENGINEER EMPLOYED BY THAT FIRM. THE BASIS FOR WELDING INSPECTOR QUALIFICATION SHALL BE AWS D1.1.
- 2. SPECIAL INSPECTION IS TO BE PROVIDED IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE LOCAL DEPARTMENT OF BUILDING SAFETY AND SHALL NOT BE CONSTRUED TO RELIEVE THE OWNER OR HIS AUTHORIZED AGENT FROM REQUESTING THE PERIODIC AND CALLED INSPECTIONS REQUIRED BY THE 2018 INTERNATIONAL BUILDING CODE.
- 3. THE INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
- 4. THE INSPECTOR SHALL FURNISH DAILY INSPECTION REPORTS ON THE WORK TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD FOR CONFORMANCE TO THE CONTRACT DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND, IF UNCORRECTED, TO THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL.

5. THE TESTING/INSPECTION FIRM'S ENGINEER SHALL COMPLETE, SIGN AND SEAL A FINAL REPORT CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

	STATEMENT OF SPECIAL INSPECTION				
IBC CODE REFERENCE					
1705.2	STEEL CONSTRUCTION				
1. INSPECTION OF WELL	DING		Х		
2. INSPECTION OF HIGH	I STRENGTH BOLTING		Х		
1705.3	REINFORCED CONCRETE				
1. INSPECTION OF REIN PLACEMENT.	FORCING STEEL, INCLUDING PRESTRESSING TENDONS AND		Х		
3. INSPECTION OF ANCH	HORS CAST IN CONCRETE		Х		
4. INSPECTION OF ANCH	HORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		Х		
5. VERIFYING USE OF R	EQUIRED MIX DESIGN		Х		
	E PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, IR CONTENT TESTS AND DETERMINE THE TEMPERATURE OF THE	X			
7. INSPECTION OF CONC TECHNIQUES.	CRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION	X			
8. VERIFY MAINTENANC	E OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		Х		
1705.4	MASONRY CONSTRUCTION				
	IS OF SITE-PREPARED MORTAR, CONSTRUCTION OF MORTAR EINFORCEMENT, CONNECTORS AND ANCHORAGES AS		Х		
2. VERIFY GROUT SPAC	ING, GRADE AND SIZE OF REINFORCEMENT AND ANCHORS, RCING AND CONNECTIONS, PROPORTIONS OF SITE PREPARED		Х		
3. VERIFY THE PLACEME			Х		
1705.6	SOILS				
1. VERIFY MATERIALS B ADEQUATE BEARING CA	ELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE PACITY.		Х		
2. VERIFY EXCAVATIONS PROPER MATERIAL.	S ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED		Х		
3. PERFORM CLASSIFIC	ATION AND TESTING OF THE COMPACTED FILL MATERIALS.		Х		
PLACEMENT AND COMP	PER MATERIALS, DENSITIES AND LIFT THICKNESS DURING ACTION OF COMPACTED FILL.	X			
5. PRIOR TO PLACEMEN SITE HAS BEEN PREPAR	IT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT ED PROPERLY.		Х		

<u>DEFERRED SUBMITTAL</u> THE FOLLOWING ITEMS ARE DEFERRED SUBMITTAL ITEMS: - PRECAST CONCRETE DOUBLE TEE SYSTEM AND PRECAST CONCRETE WALLS

- STEEL JOISTS

- 2. DEFERRED SUBMITTAL ITEMS SHALL BE PREPARED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF THE PROJECT WITH CALCULATIONS, DRAWINGS, DETAILS, AND CUT SHEETS SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW. ONCE REVIEWED, CONTRACTOR SHALL FORWARD TO THE BUILDING DEPARTMENT FOR APPROVAL. FABRICATION AND/OR INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT OCCUR UNTIL APPROVAL OF THE BUILDING DEPARTMENT IS RECEIVED.
- SHOP DRAWING REVIEW . J&S STRUCTURAL ENGINEERS, PA WILL REVIEW SHOP DRAWINGS AND RELATED SUBMITTALS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION GIVEN IN THE CONSTRUCTION DOCUMENTS. REVIEW OF A SPECIFIC ITEM SHALL NOT INCLUDE REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.
- 2. THE FOLLOWING IS A LIST OF REQUIRED SHOP DRAWINGS AND RELATED SUBMITTALS. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR MORE INFORMATION AND A COMPLETE LIST OF REQUIRED SUBMITTALS: - ANCHOR BOLT LAYOUT DRAWINGS - COLD-FORMED FRAMING SHOP DRAWINGS INCLUDING STANDARD DETAILS, BRACING AND BRIDGING **REQUIREMENTS AND MATERIAL CERTIFICATIONS.** CONCRETE BLOCK COMPRESSION TESTS AND MATERIAL CERTIFICATIONS
- CONCRETE MIX DESIGNS, TESTS AND MATERIAL CERTIFICATIONS - CONCRETE REINFORCING SHOP DRAWINGS AND REINFORCING MATERIAL CERTIFICATIONS
- MASONRY GROUT AND AND MORTAR MIX DESIGNS - MASONRY REINFORCING SHOP DRAWINGS

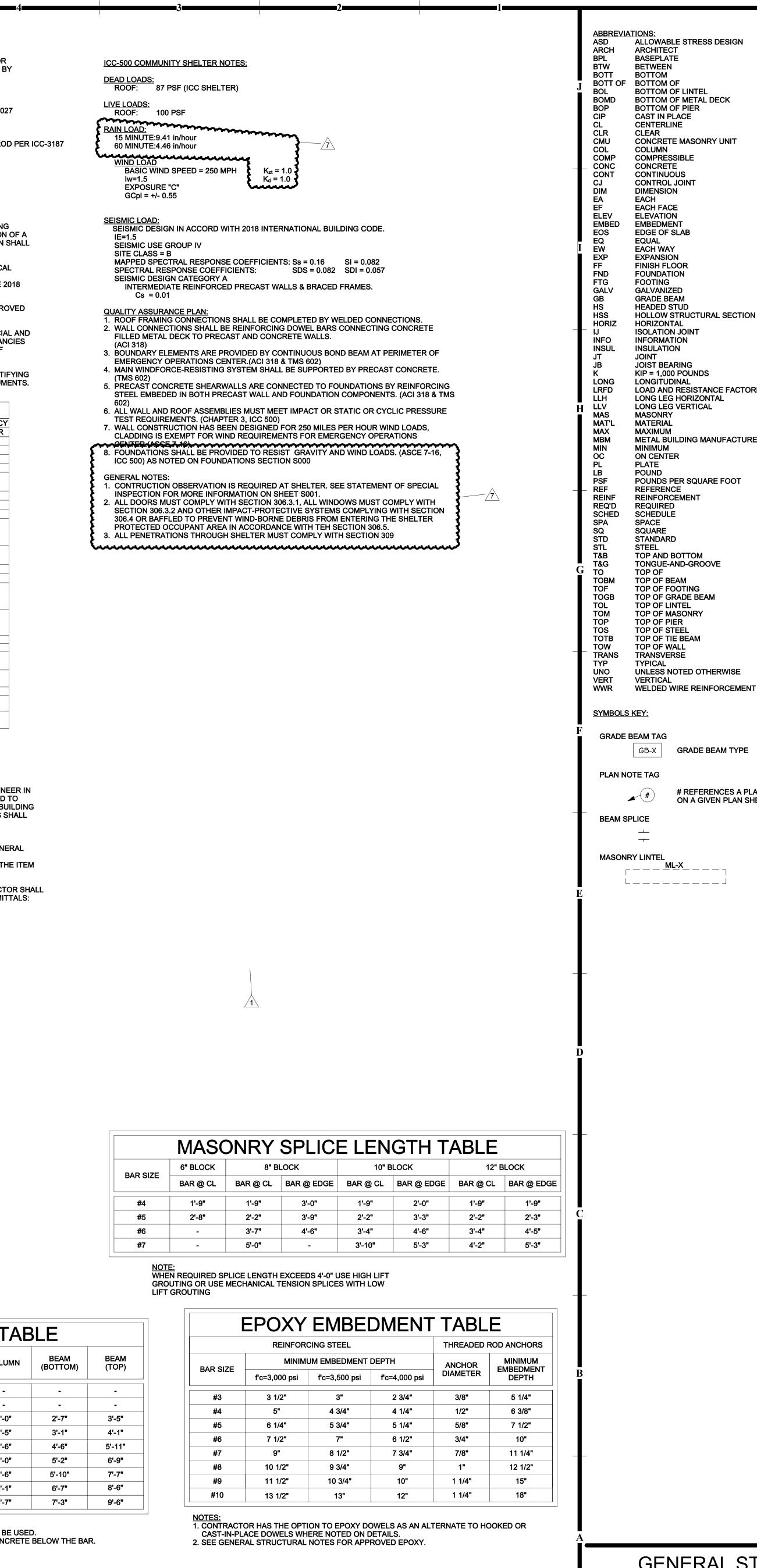
STRUCTURAL STEEL SHOP DRAWINGS, MATERIAL CERTIFICATIONS AND WELDER CERTIFICATIONS

## **CONCRETE SPLICE LENGTH TABLE**

BAR SIZE	FOOTING OR GRADE BEAM	PIER	WALL (VERTICAL)	WALL (HORIZONTAL)	SLAB	COLI
#3	-	-	1'-8"	1'-8"	1'-8"	-
#4	2'-3"	-	2'-3"	2'-3"	2'-3"	-
#5	2'-9"	2'-7"	2'-9"	2'-9"	2'-9"	2'-
#6	3'-4"	3'-1"	3'-4"	3'-4'	3'-4"	2'-
#7	4'-10"	4'-6"	4'-10"	4'-10"	4'-10"	3'-
#8	5'-6"	5'-2"	5'-6"	-	-	4'-
#9	-	5'-10"	-	-	-	4'-
#10	-	6'-7"	-	-	-	5'-
#11	-	7'-3"	-	-	-	5'-

1. WHEN BARS OF DIFFERENT SIZE ARE LAP SPLICED, THE LARGER SPLICE LENGTH SHALL BE USED. 2. TOP BAR IS DEFINED AS ANY HORIZONTAL BAR THAT HAS MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR. 3. TABLE SHALL ONLY BE USED WHEN: CONCRETE IS NORMAL WEIGHT REINFORCEMENT STEEL IS UNCOATED

• REINFORCEMENT STEEL MEETS ASTM A615, GRADE 60



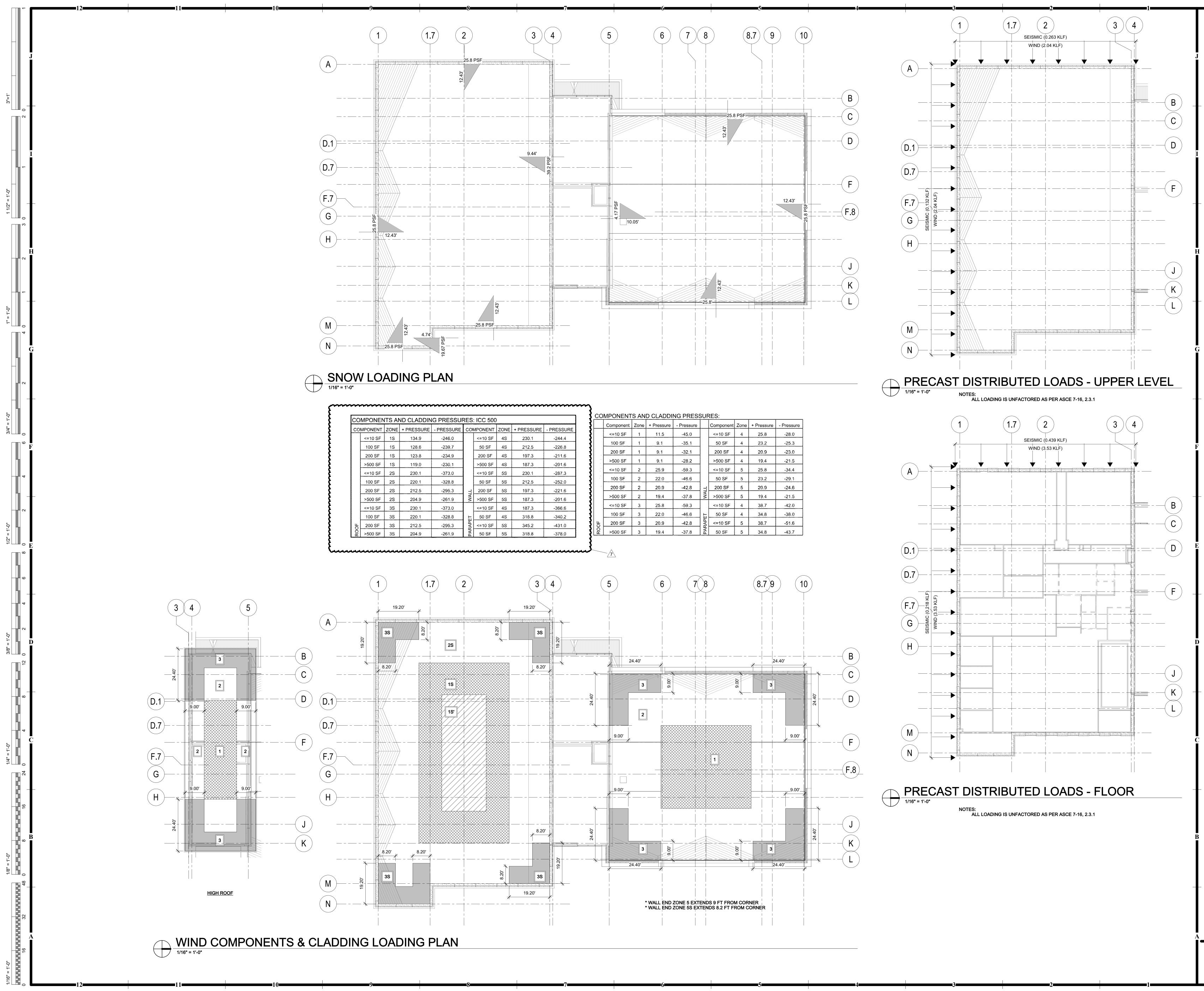
GENERAL STRUCTURAL NOTES

Lee's Summit, Missouri HOEFERWELKER 4622 PENNSYLVANIA AVE. Suite 1400 KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com COPYRIGHT © BY HOEFER WELKER, LLC **J&S STRUCTURAL** ENGINEERS 7302 W 145th Terrace Overland Park, KS 66223 ww.jsstructuralengineers.com MO COA: 2009009344 E 1: SITE AND STRUCTURE LOAD AND RESISTANCE FACTORED DESIG METAL BUILDING MANUFACTURER GRADE BEAM TYPE **# REFERENCES A PLAN NOTE** ON A GIVEN PLAN SHEET  $\Box$ ЩШ <u>ارر</u> ک  $\sim$ **REVISION DATES:** ADDENDUM #1 9/19/24 2/12/2025 7 ASI #4 ..... KIMBERLY EBERT KATALER . PE-2005029619 SONAL' PROFESSIONAL SEAL

ISSUE DATE: AUGUST 29, 2024

HOEFER WELKER #: 138161

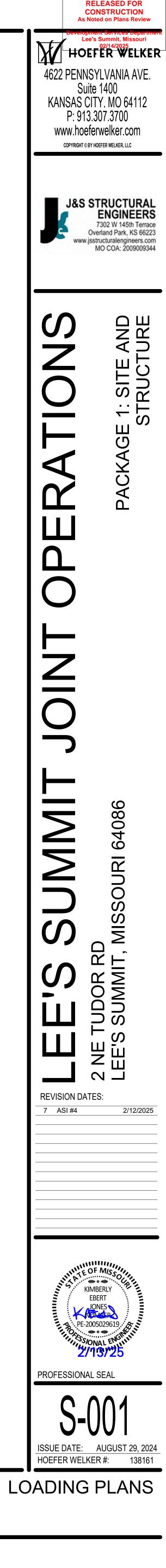
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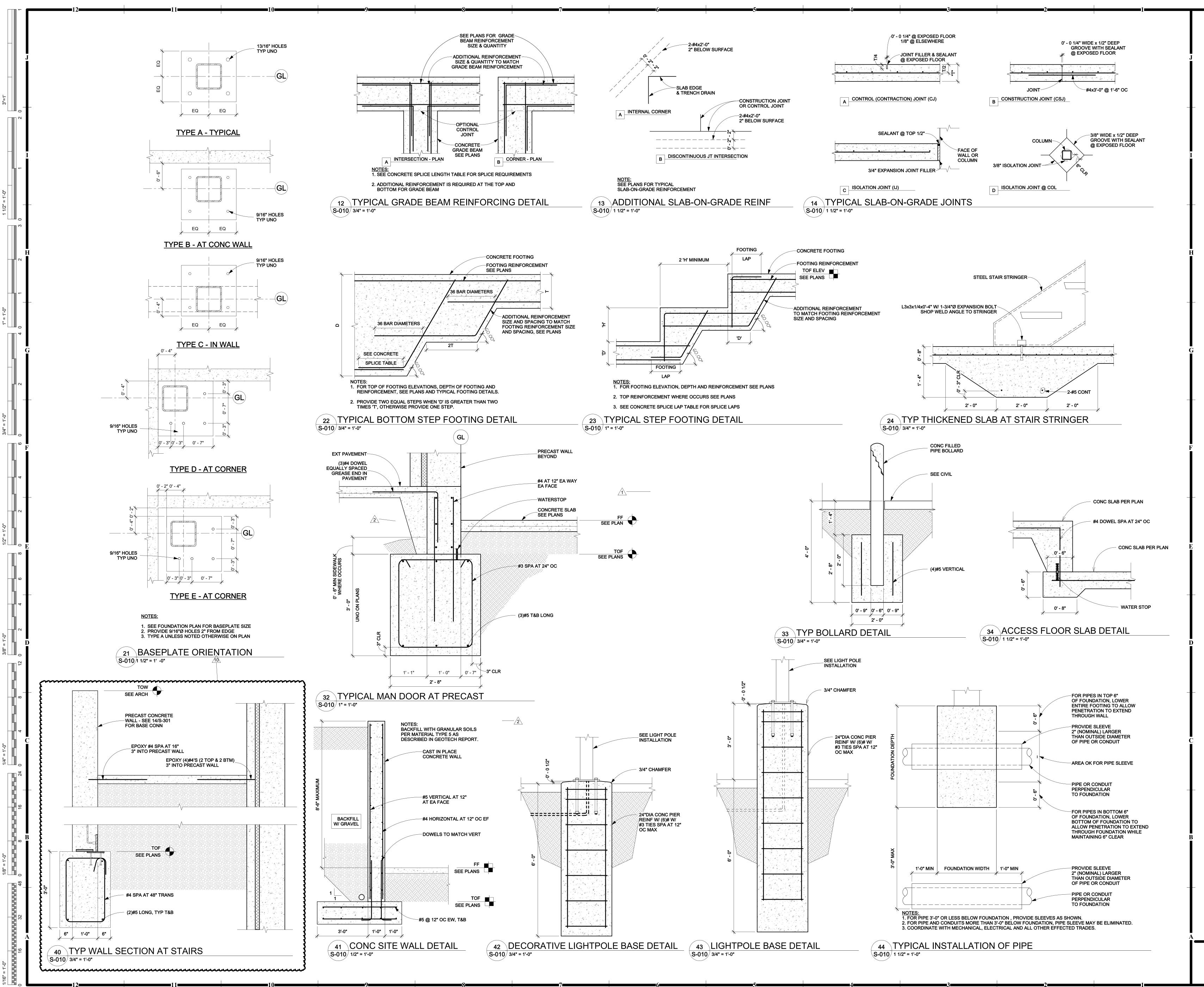
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DDING PRESSURES: ICC 500										
URE	- PRESSURE	CON	APONENT	ZONE	+ PRESSURE	- PRESSURE				
)	-246.0		<=10 SF	4S	230.1	-244.4				
	-239.7		50 SF	4S	212.5	-226.8				
5	-234.9		200 SF	4S	197.3	-211.6				
)	-230.1		>500 SF	4S	187.3	-201.6				
	-373.0		<=10 SF	5S	230.1	-287.3				
	-328.8		50 SF	5S	212.5	-252.0				
;	-295.3	ΓΓ	200 SF	5S	197.3	-221.6				
)	-261.9	WALL	>500 SF	5S	187.3	-201.6				
	-373.0		<=10 SF	4S	187.3	-366.6				
	-328.8	L I	50 SF	4S	318.8	-340.2				
;	-295.3	PARAPET	<=10 SF	5S	345.2	-431.0				
)	-261.9	РАР	50 SF	5S	318.8	-378.0				

со	MPONENT	S AN	D CLADDI	NG PRES	SUF	RES:							
	Component	Zone	+ Pressure	- Pressure		Component	Zone	+ Pressure	- Pressure				
	<=10 SF	1	11.5	-45.0		<=10 SF	4	25.8	-28.0				
	100 SF	1	9.1	-35.1		50 SF	4	23.2	-25.3				
	200 SF	1	9.1	-32.1		200 SF	4	20.9	-23.0				
	>500 SF	1	9.1	-28.2		>500 SF	4	19.4	-21.5				
	<=10 SF	2	25.9	-59,3		<=10 SF	5	25.8	-34.4				
	100 SF	2	22.0	-46.6		50 SF	5	23.2	-29.1				
	200 SF	2	20.9	-42.8	-	200 SF	5	20.9	-24.6				
	>500 SF	2	19.4	-37.8	WALL	>500 SF	5	19.4	-21.5				
	<=10 SF	3	25.8	-59.3		<=10 SF	4	38.7	-42.0				
	100 SF	3	22.0	-46.6	ĒT	50 SF	4	34.8	-38.0				
Ц	200 SF	3	20.9	-42.8	RAPI	<=10 SF	5	38.7	-51.6				
ROOF	>500 SF	3	19.4	-37.8	PAF	50 SF	5	34.8	-43.7				
)													



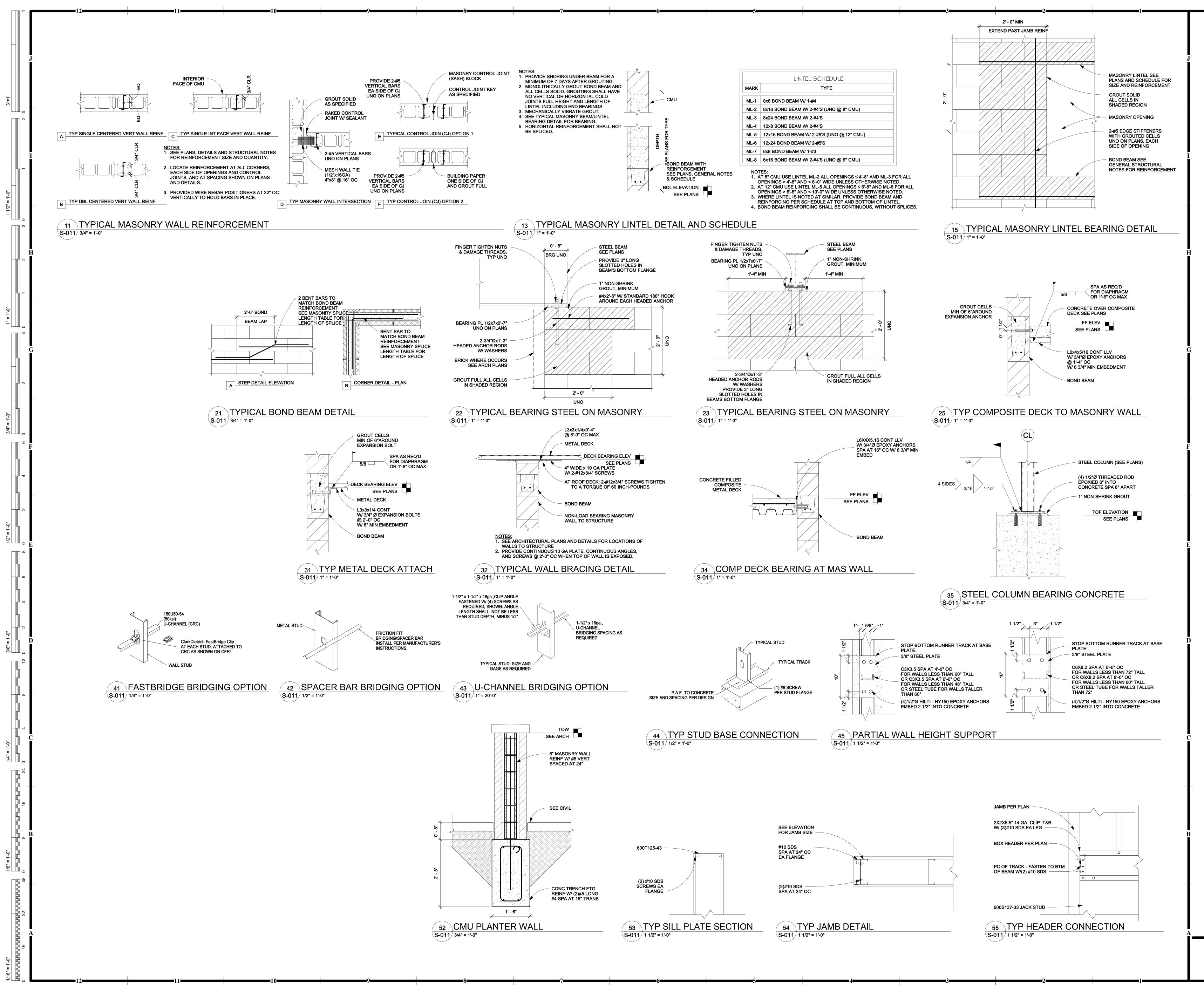
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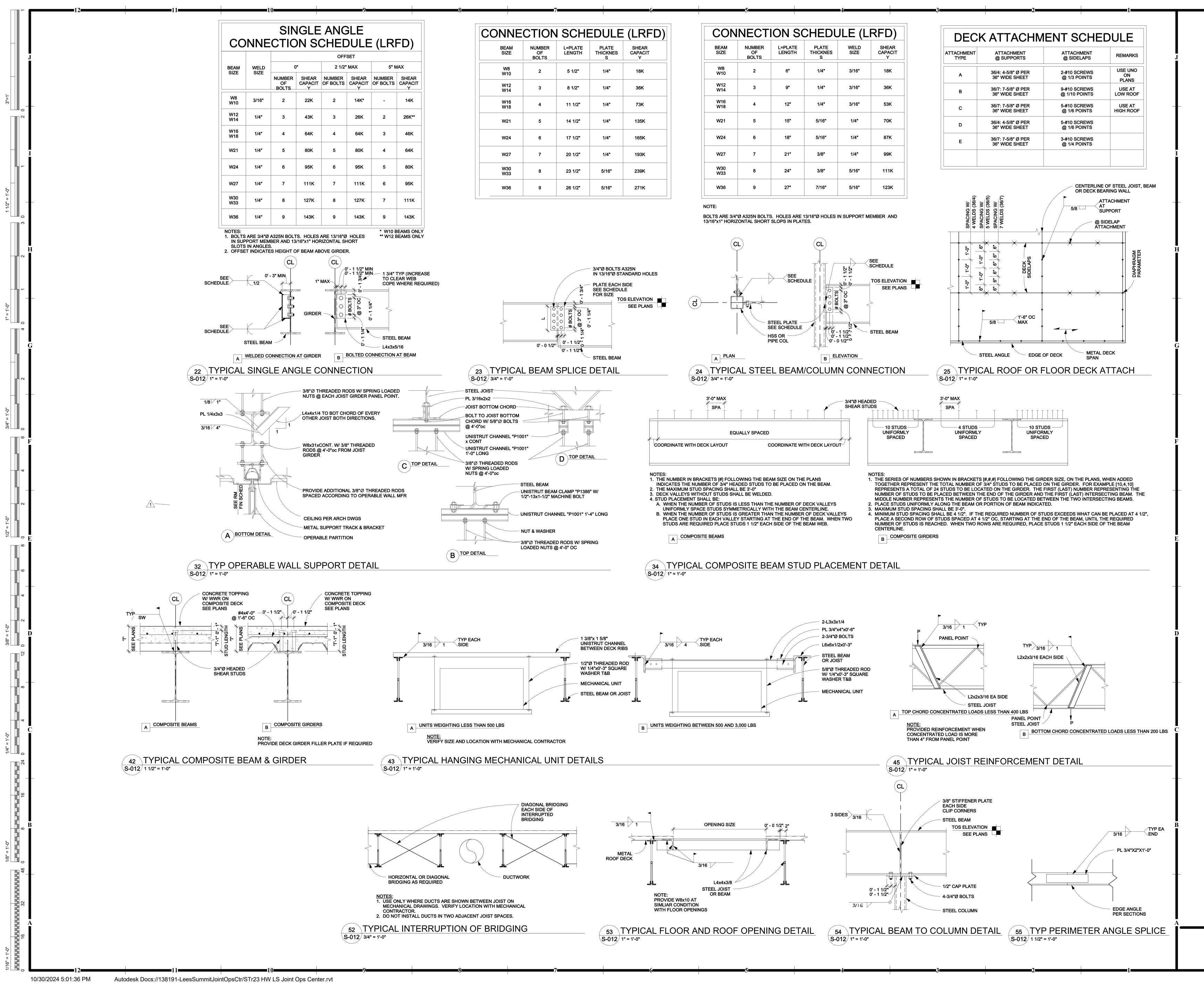
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	J&S	STRUCTURAL ENGINEERS
		7302 W 145th Terrace Overland Park, KS 66223 jsstructuralengineers.com MO COA: 2009009344
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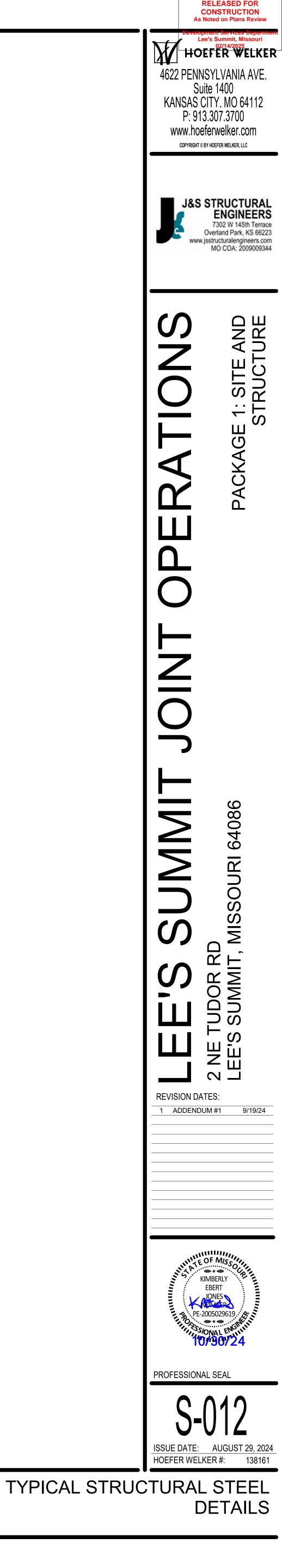


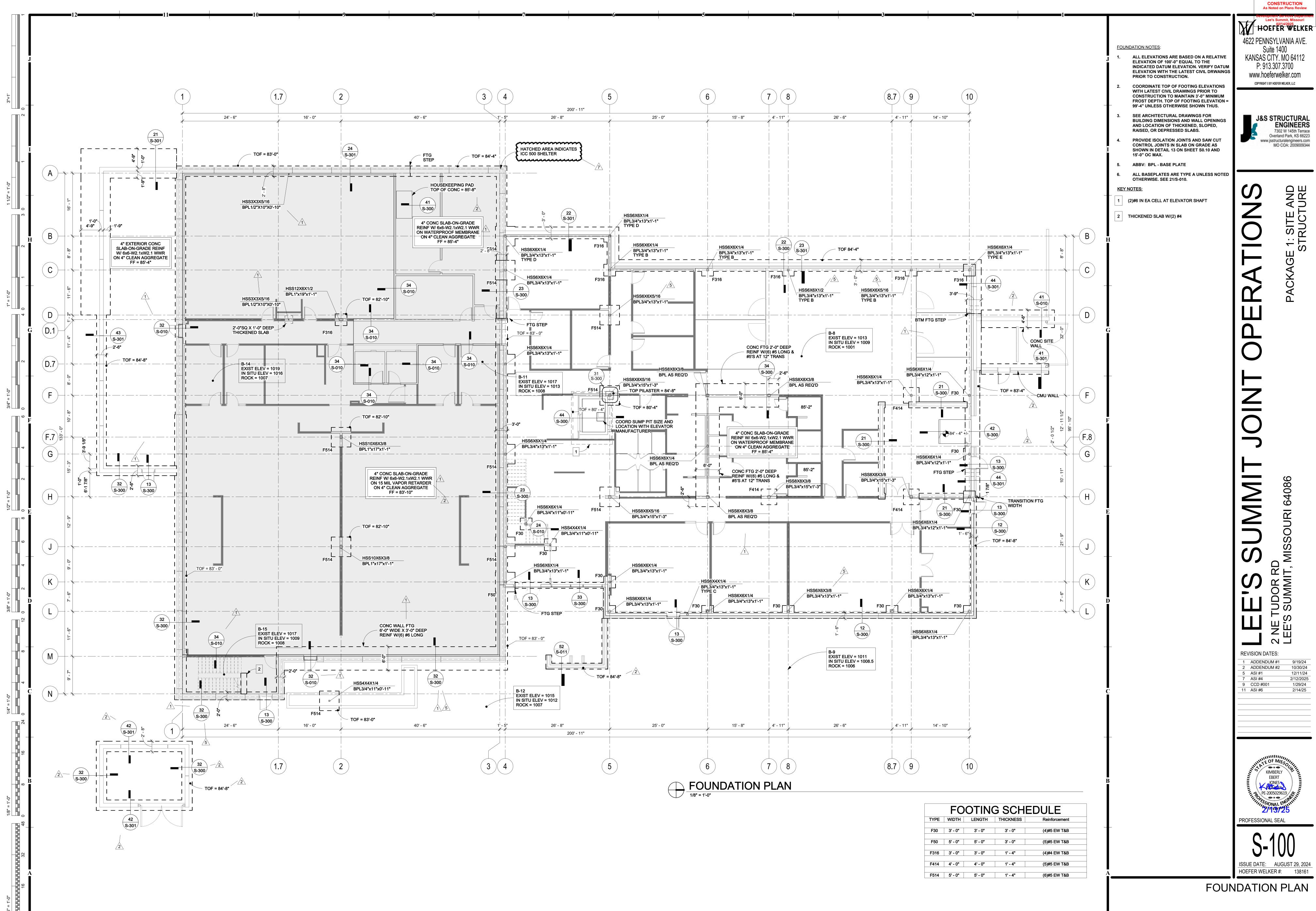
TYPICAL MASONF

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JOINT OPERATIONS PACKAGE 1: SITE AND STRUCTURE
BECISION BADE CONTRICTION CONTRIBUTION CONTRIBUTICON CONTRICON CON
KIMBERLY EBERT JONES PE-2005029619 PE-2005029619 CV/30/24 PROFESSIONAL SEAL
S-011 <u>ISSUE DATE: AUGUST 29, 2024</u> HOEFER WELKER #: 138161 RY & LIGHTGAGE DETAILS



CONNE	CTION	I SCHE	EDUL
BEAM SIZE	NUMBER OF BOLTS	L=PLATE LENGTH	PLATE THICKNE S
W8 W10	2	5 1/2"	1/4"
W12 W14	3	8 1/2"	1/4"
W16 W18	4	11 1/2"	1/4"
W21	5	14 1/2"	1/4"
W24	6	17 1/2"	1/4"
W27	7	20 1/2"	1/4"
W30 W33	8	23 1/2"	5/16"
W36	9	26 1/2"	5/16"

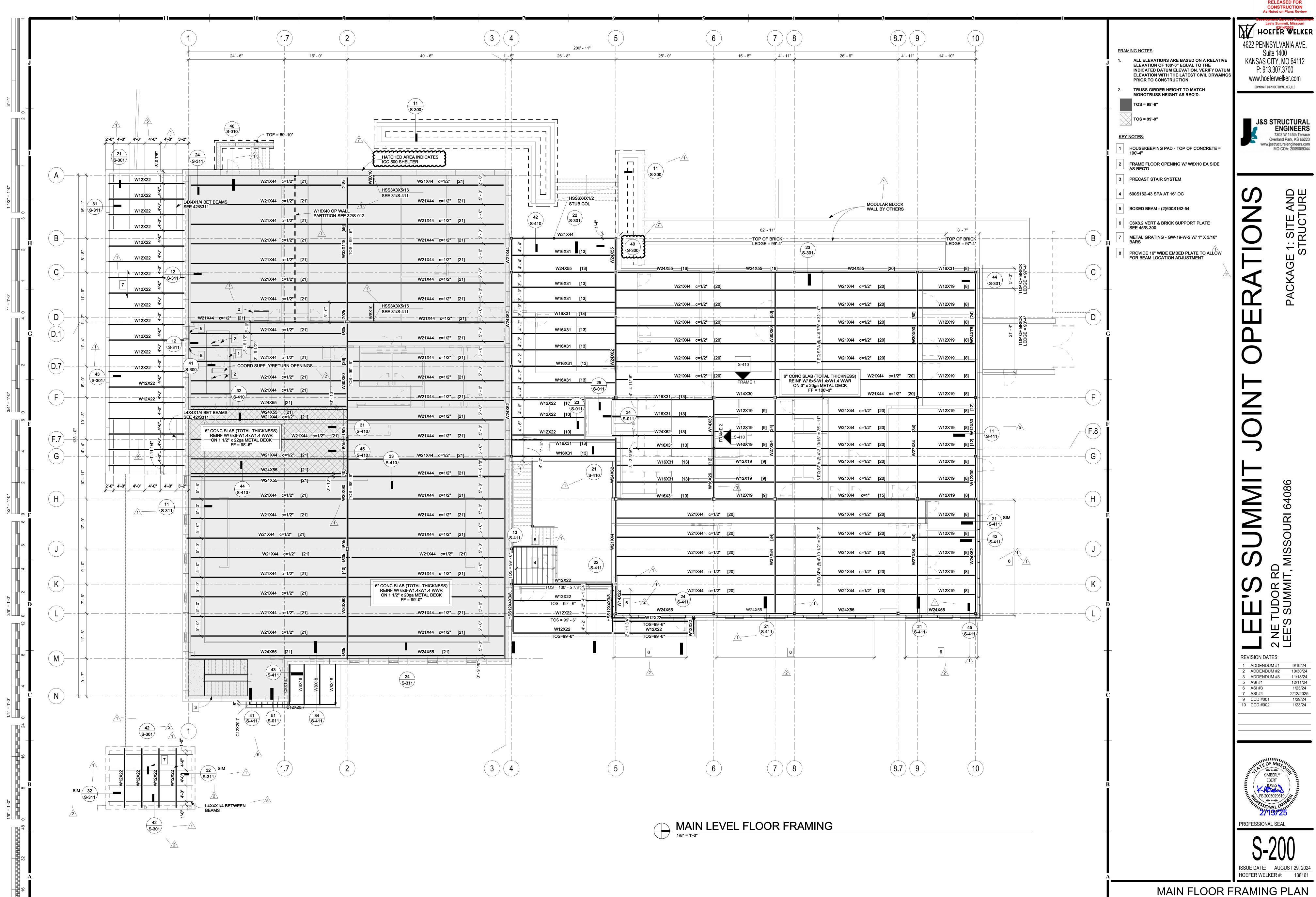




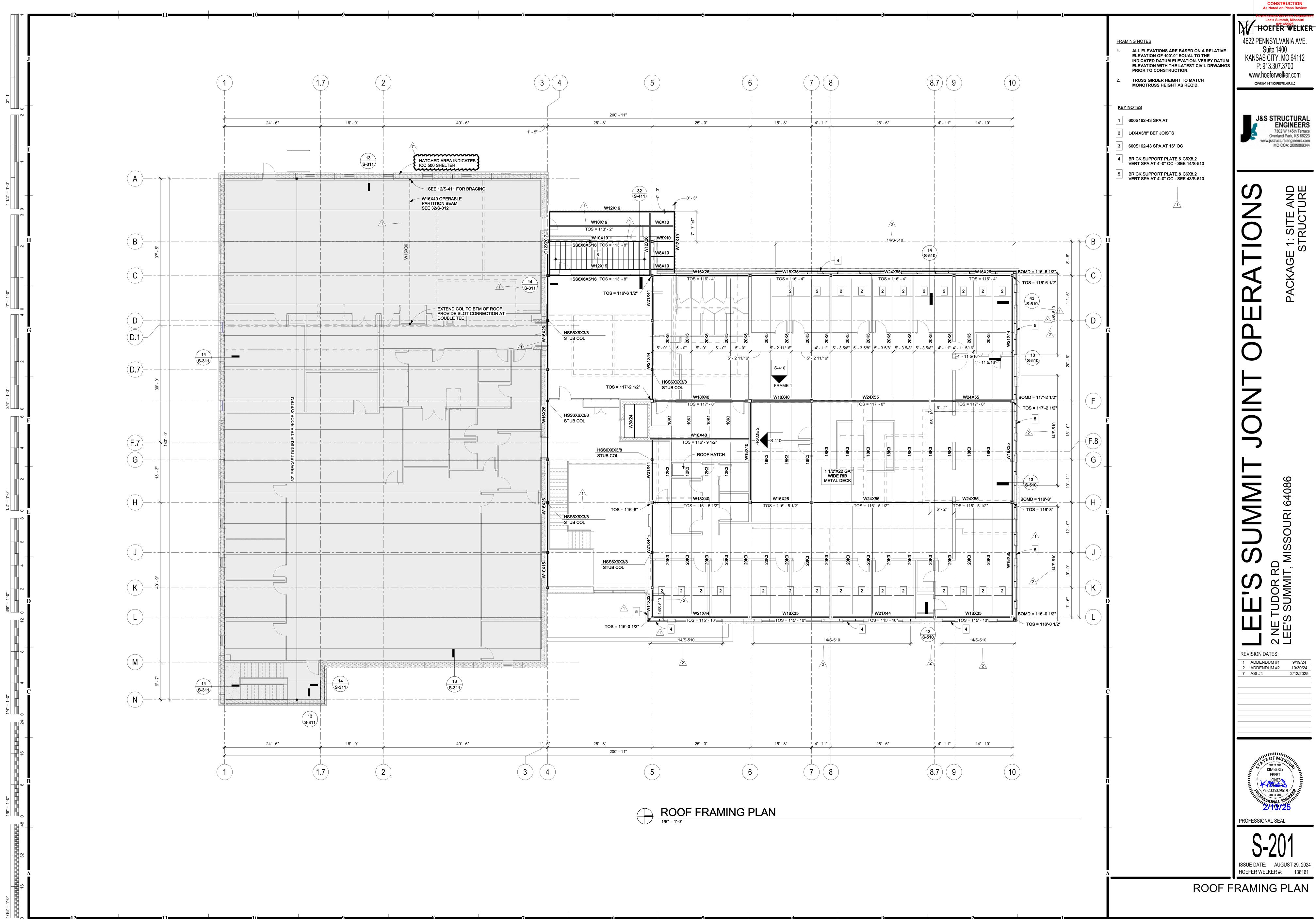
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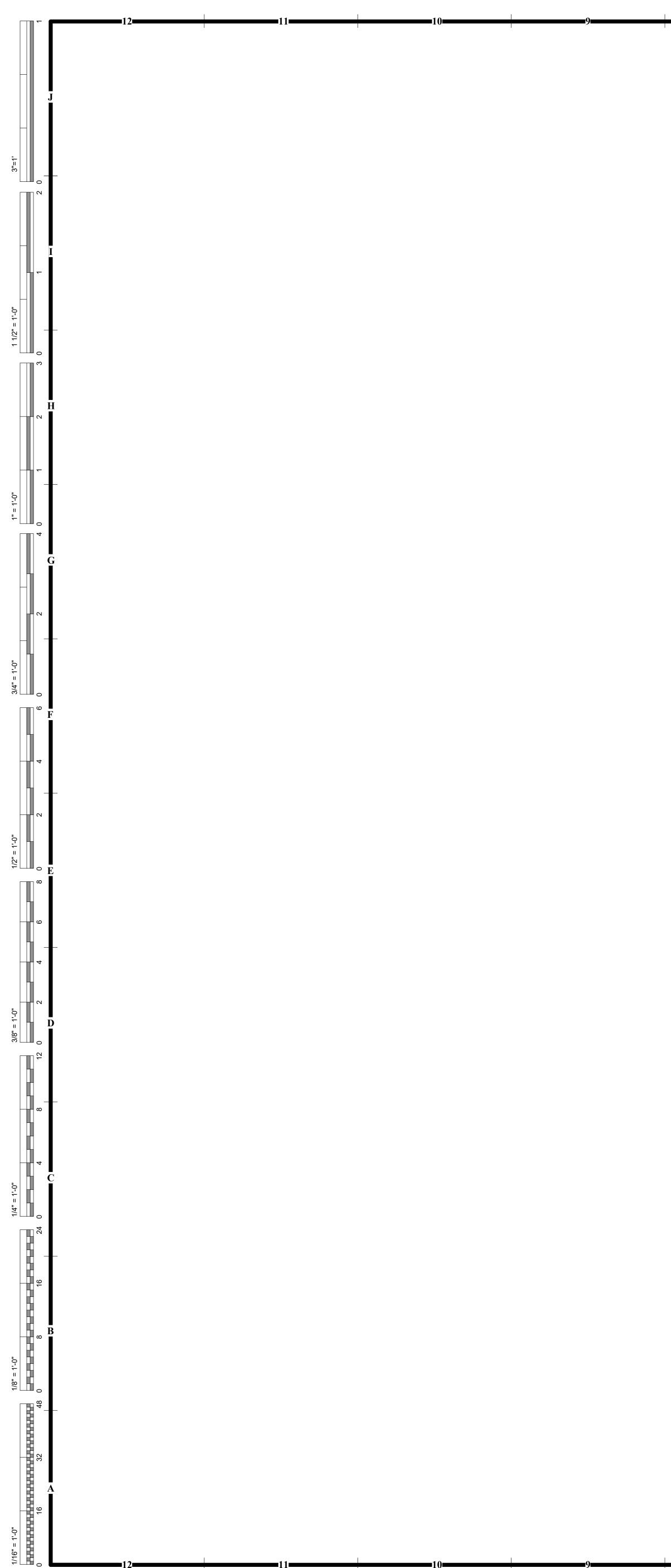
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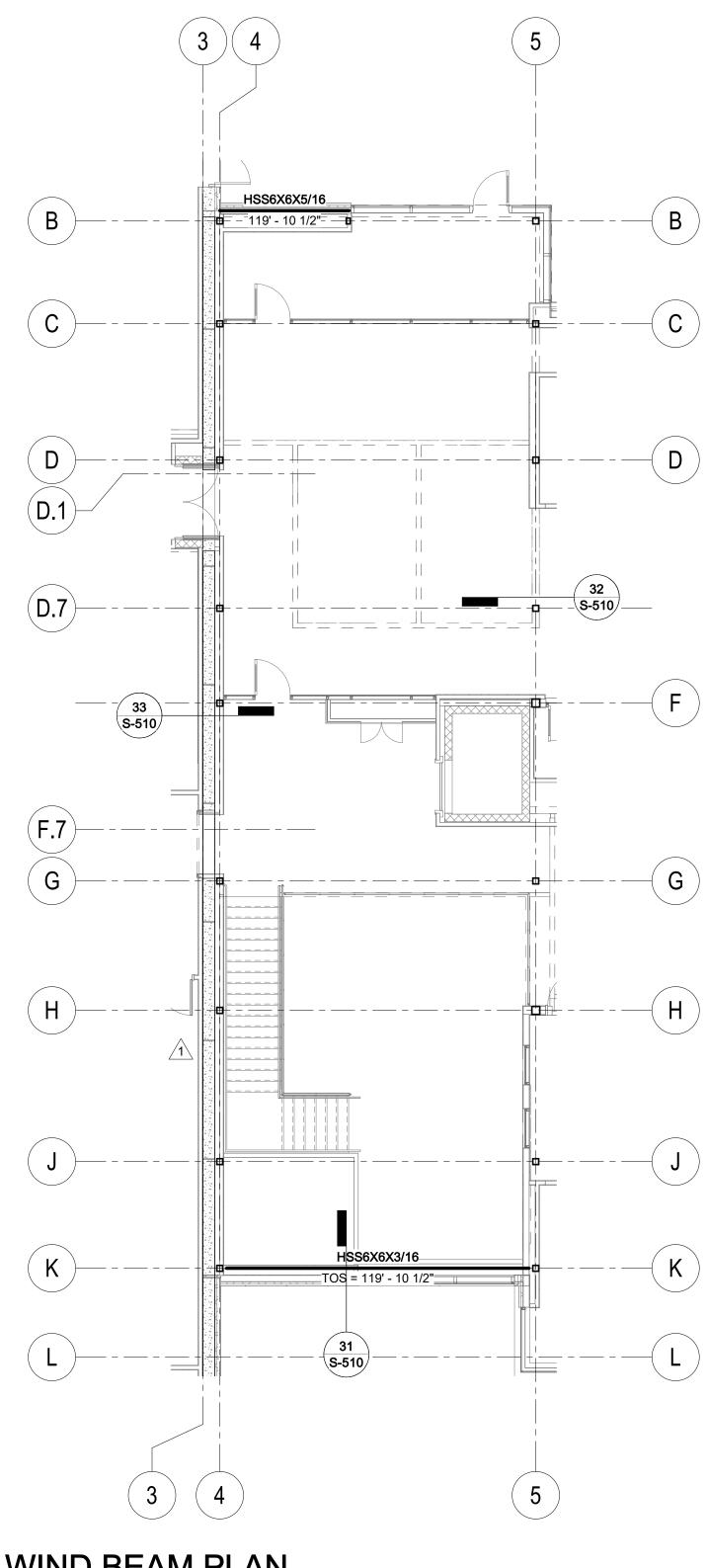
FOOTING SCHEDULE				
TYPE	WIDTH	LENGTH	THICKNESS	Reinforcement
F30	3' - 0"	3' - 0"	3' - 0"	(4)#5 EW T&B
	II			
F50	5' - 0"	5' - 0"	3' - 0"	(5)#5 EW T&B
F316	3' - 0"	3' - 0"	1' - 4"	(4)#4 EW T&B
	1		1	
F414	4' - 0"	4' - 0"	1' - 4"	(5)#5 EW T&B
	,		1	
F514	5' - 0"	5' - 0"	1' - 4"	(6)#5 EW T&B



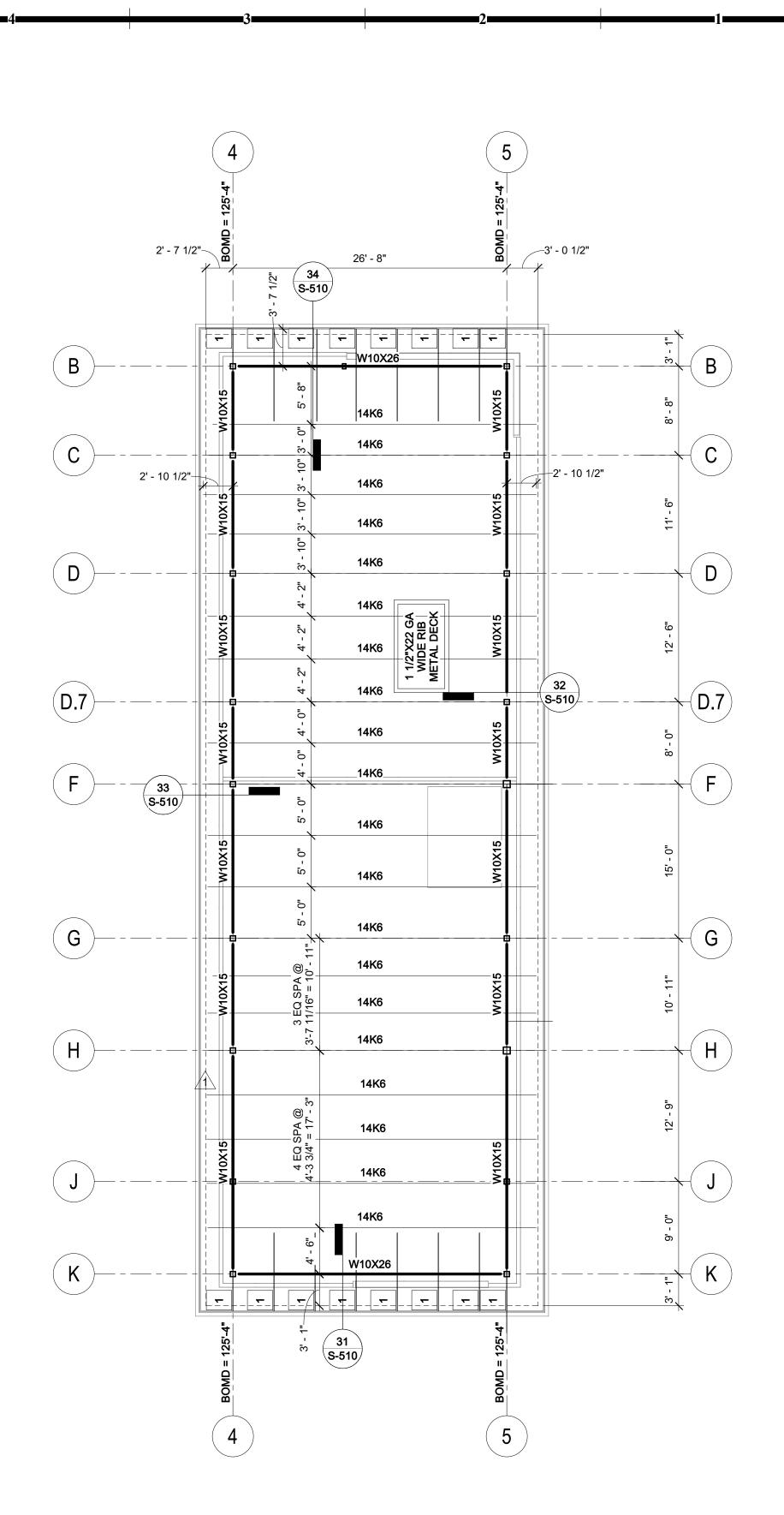
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WIND BEAM PLAN
1/8" = 1'-0"

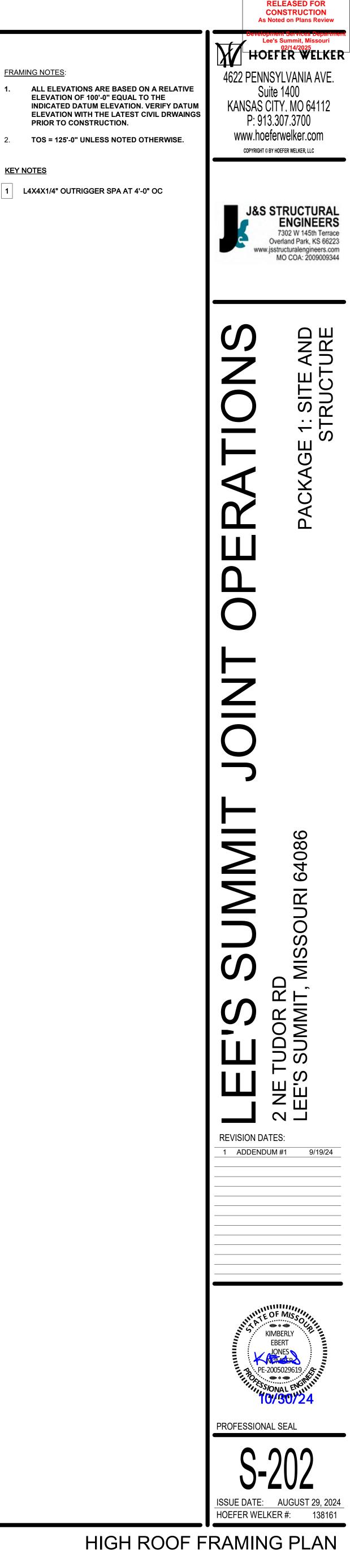


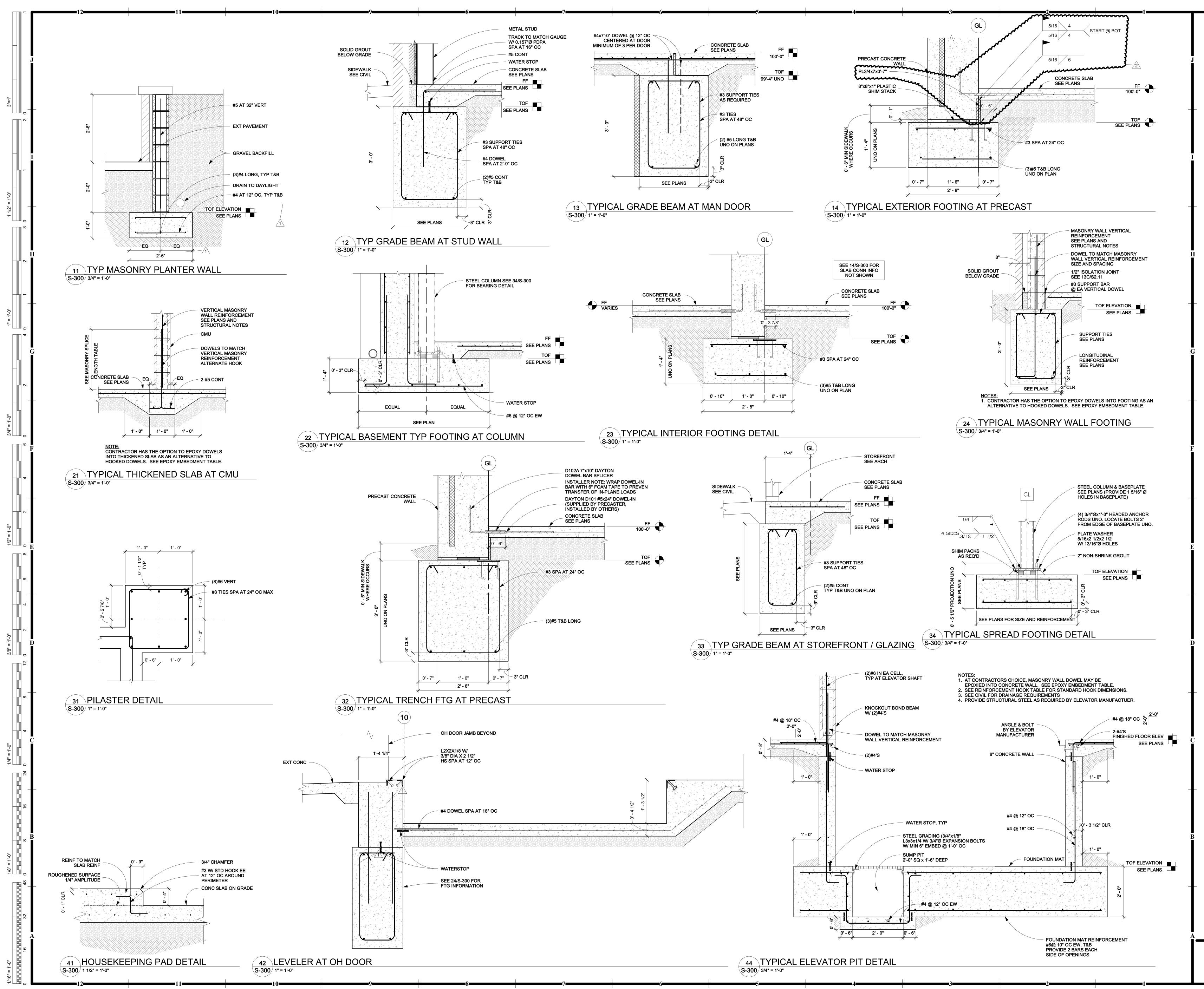
FRAMING NOTES:

### <u>KEY NOTES</u>

1 L4X4X1/4" OUTRIGGER SPA AT 4'-0" OC

HIGH ROOF FRAMING PLAN

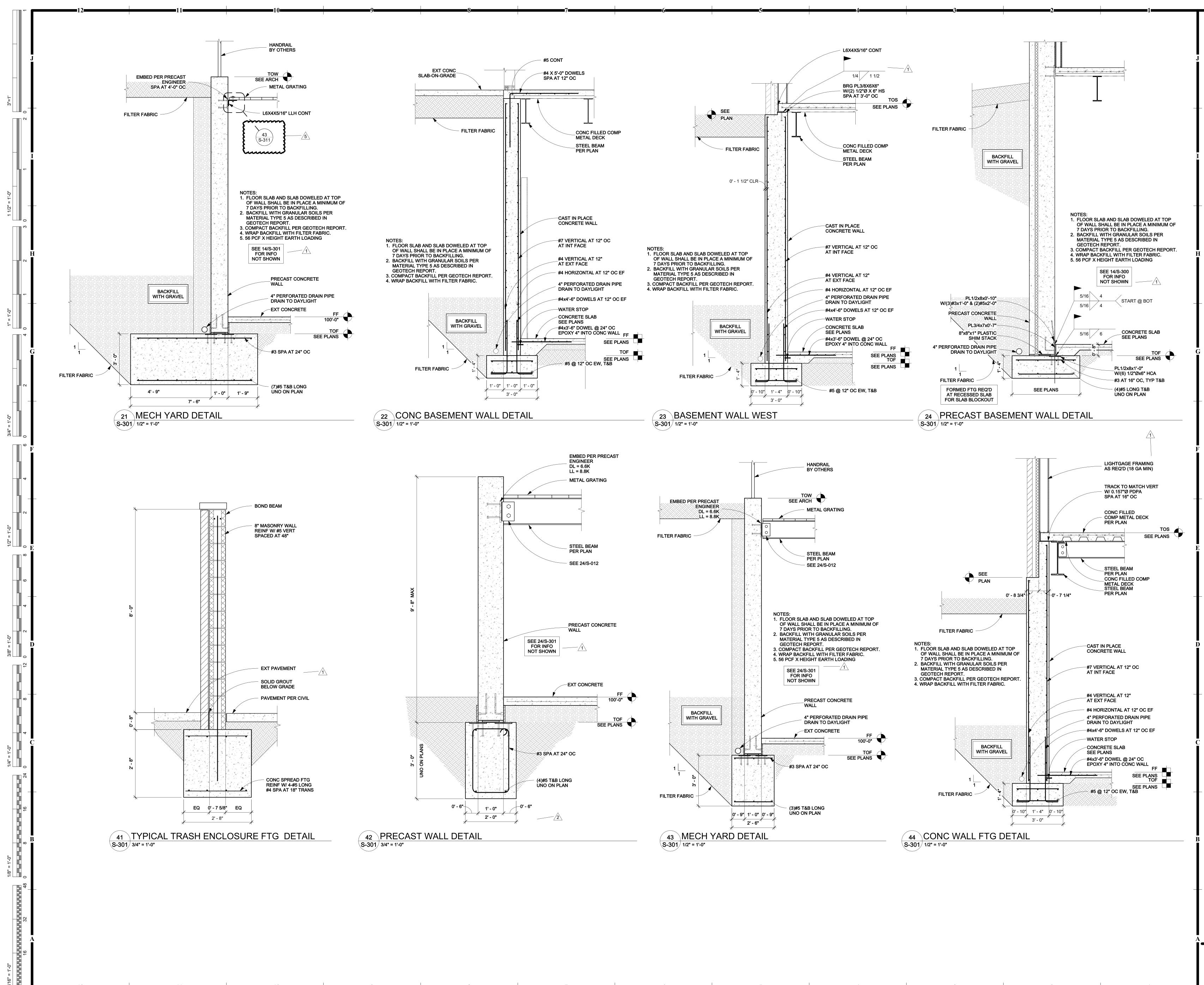




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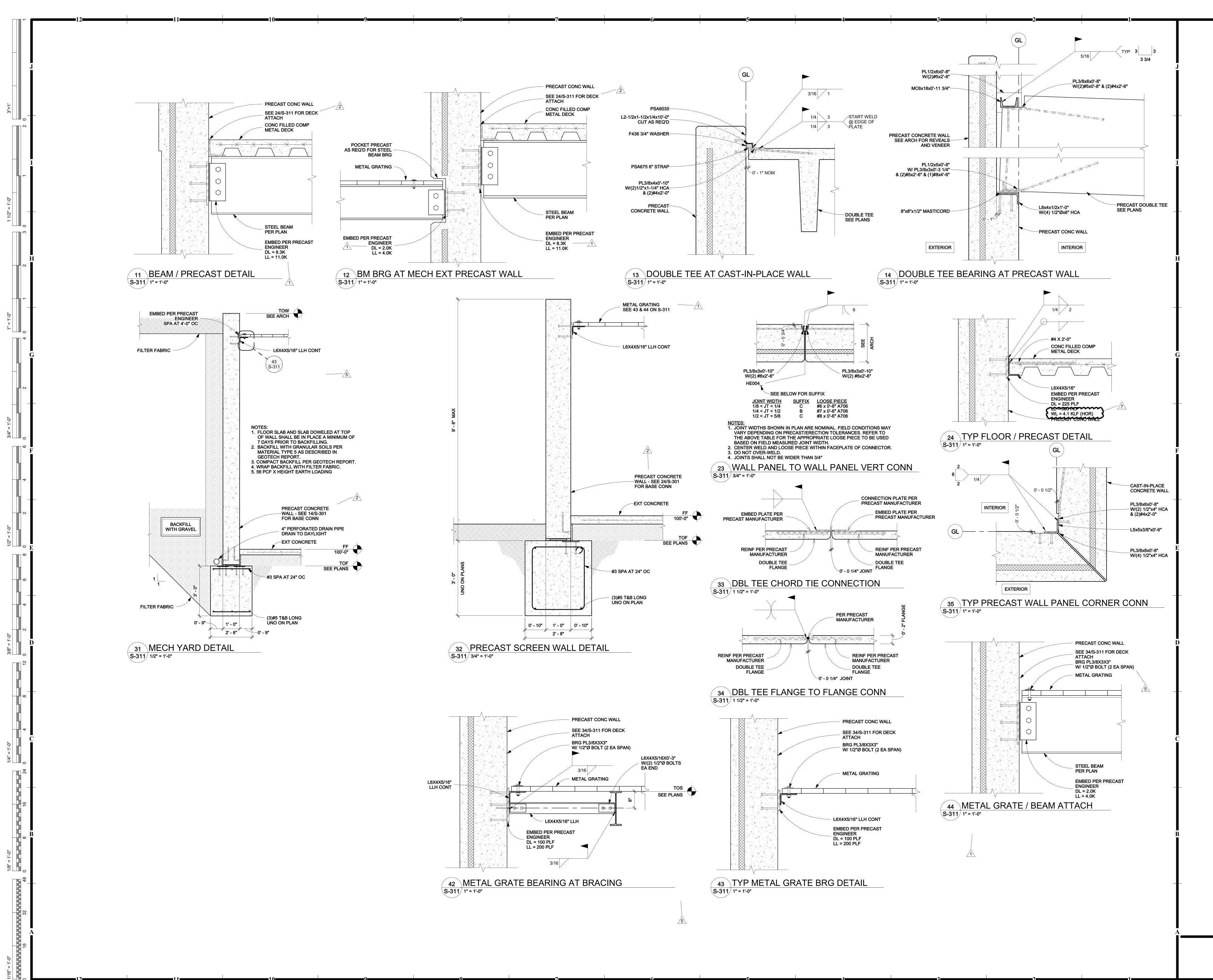
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	2	STRUCTURAL ENGINEERS 7302 W 145th Terrace Overland Park, KS 66223 Sisstructuralengineers.com MO COA: 2009009344
	- JOINT OPERATIONS	PACKAGE 1: SITE AND STRUCTURE
	REVISION DA	UM #1 9/19/24
		OF MISSOLA KIMBERLY EBERT JONES 2005029619 CONAL ENGINE
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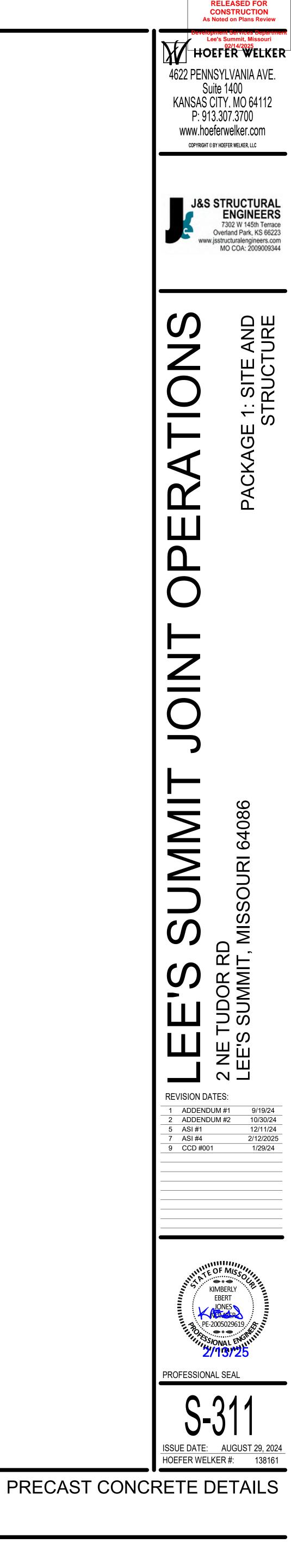


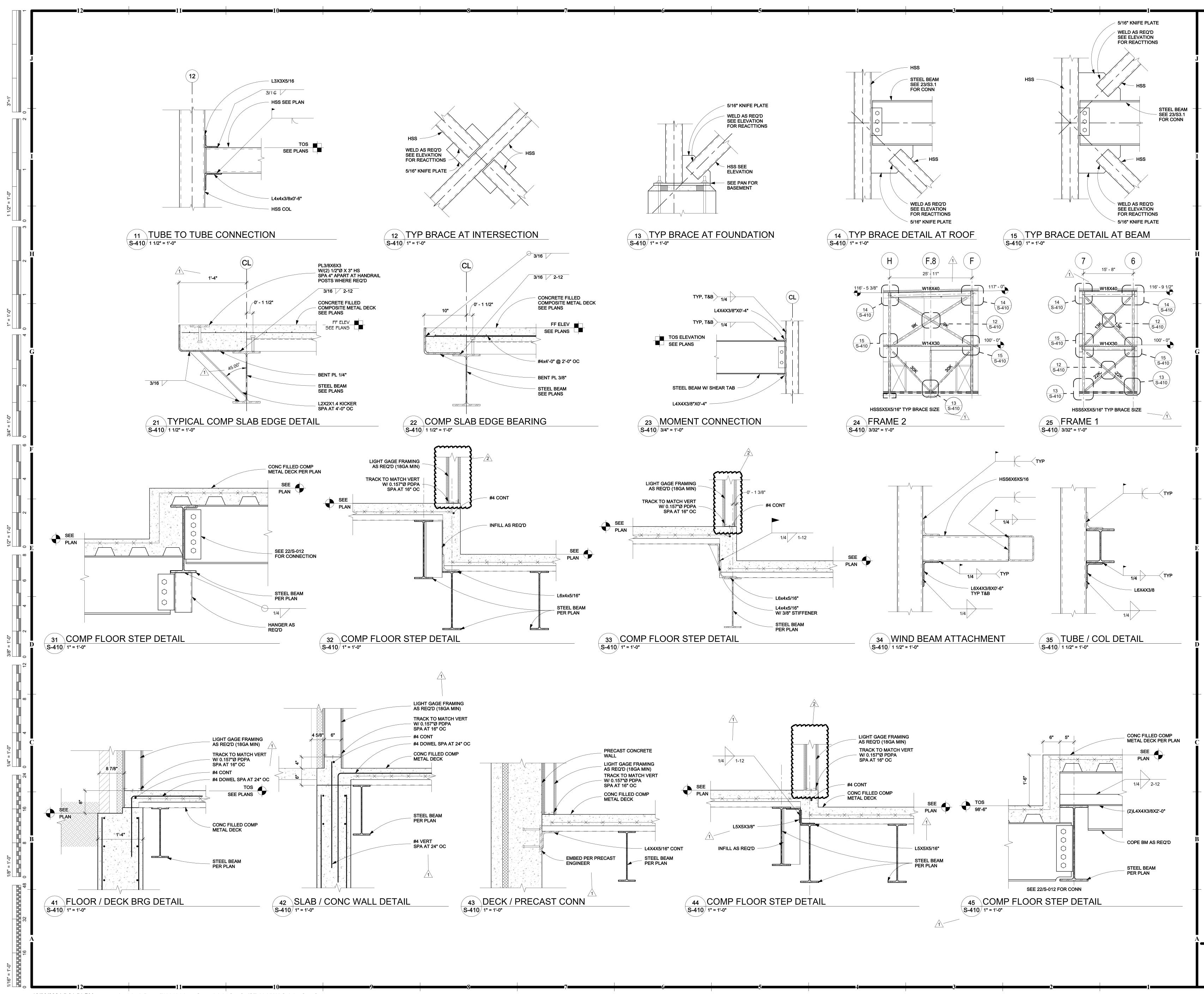
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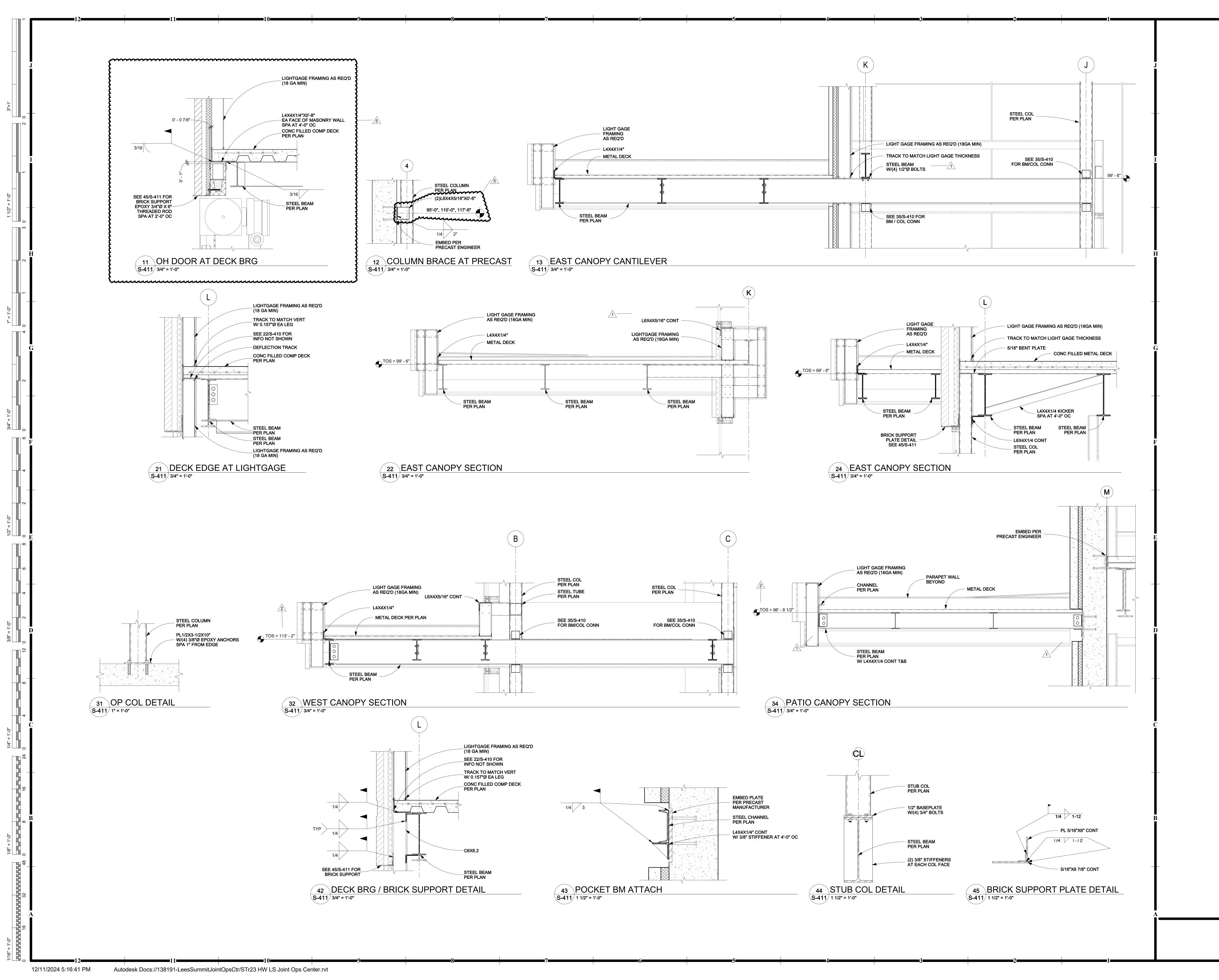


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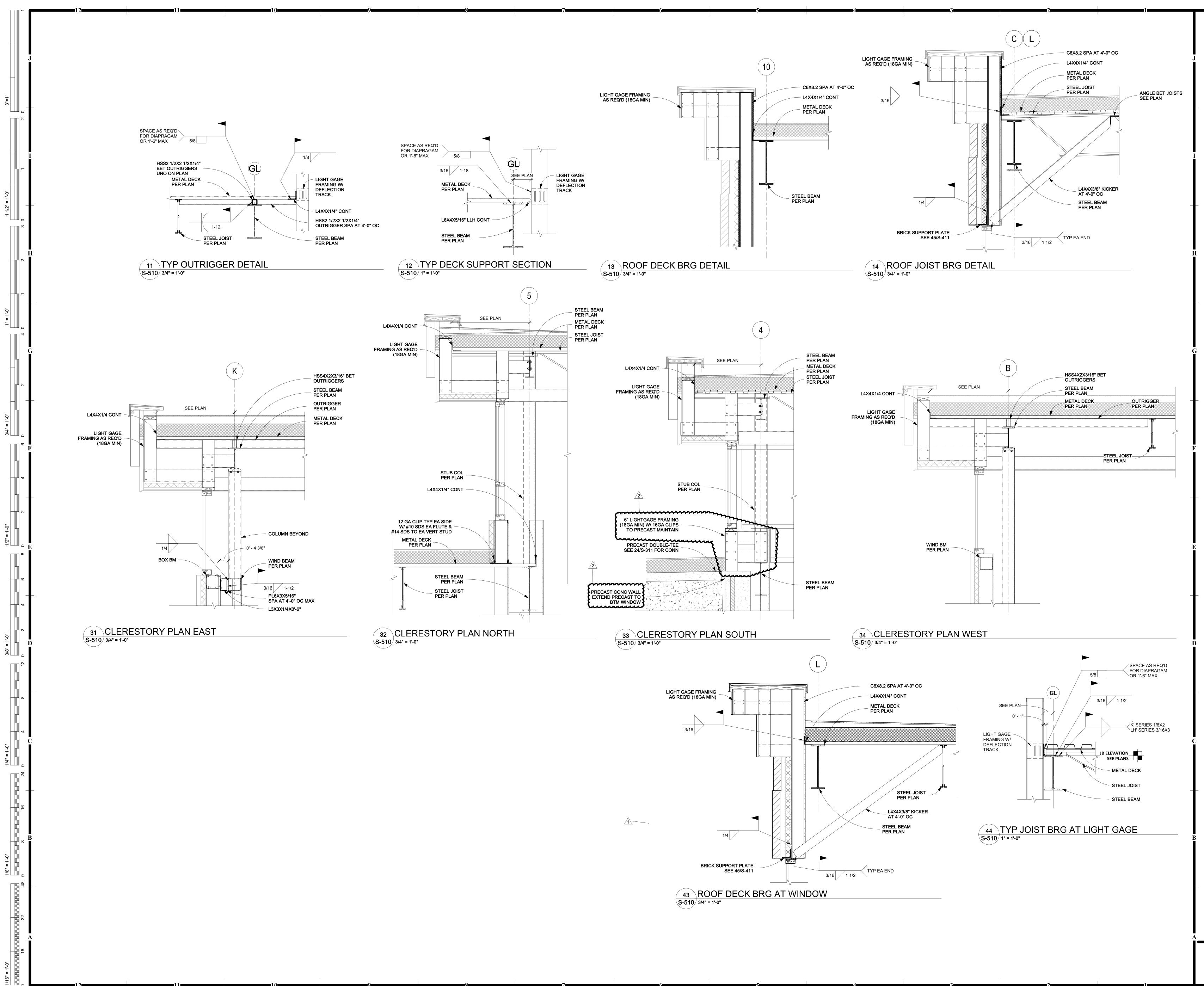




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	S STRUCTURAL ENGINEERS 7302 W 145th Terrace Overland Park, KS 66223 w.jsstructuralengineers.com MO COA: 2009009344
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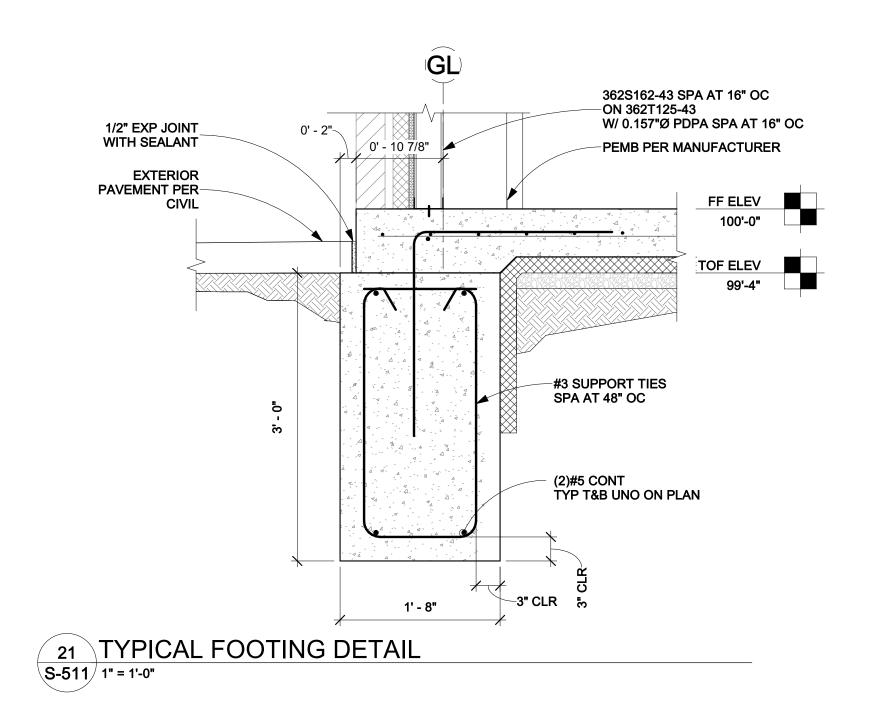


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		S STRUCTUF ENGINEE 7302 W 145th T Overland Park, KS www.jsstructuralenginee MO COA: 20090	errace 66223 rs.com
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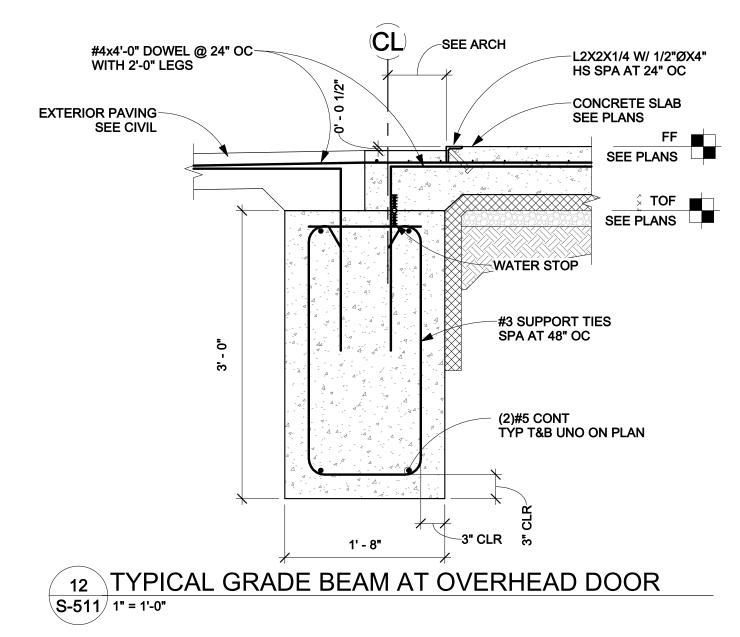
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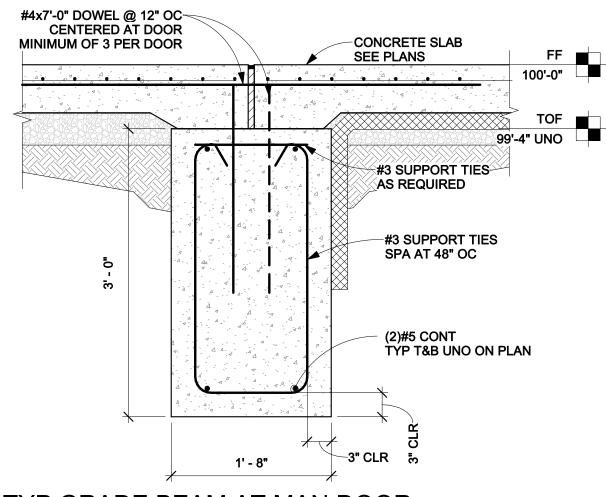
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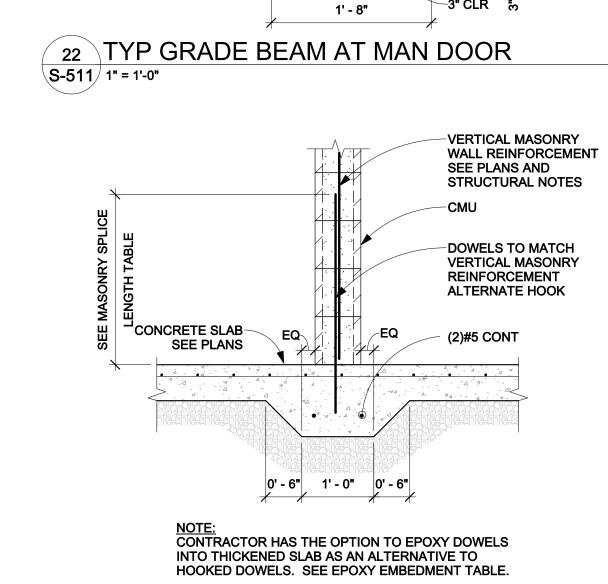
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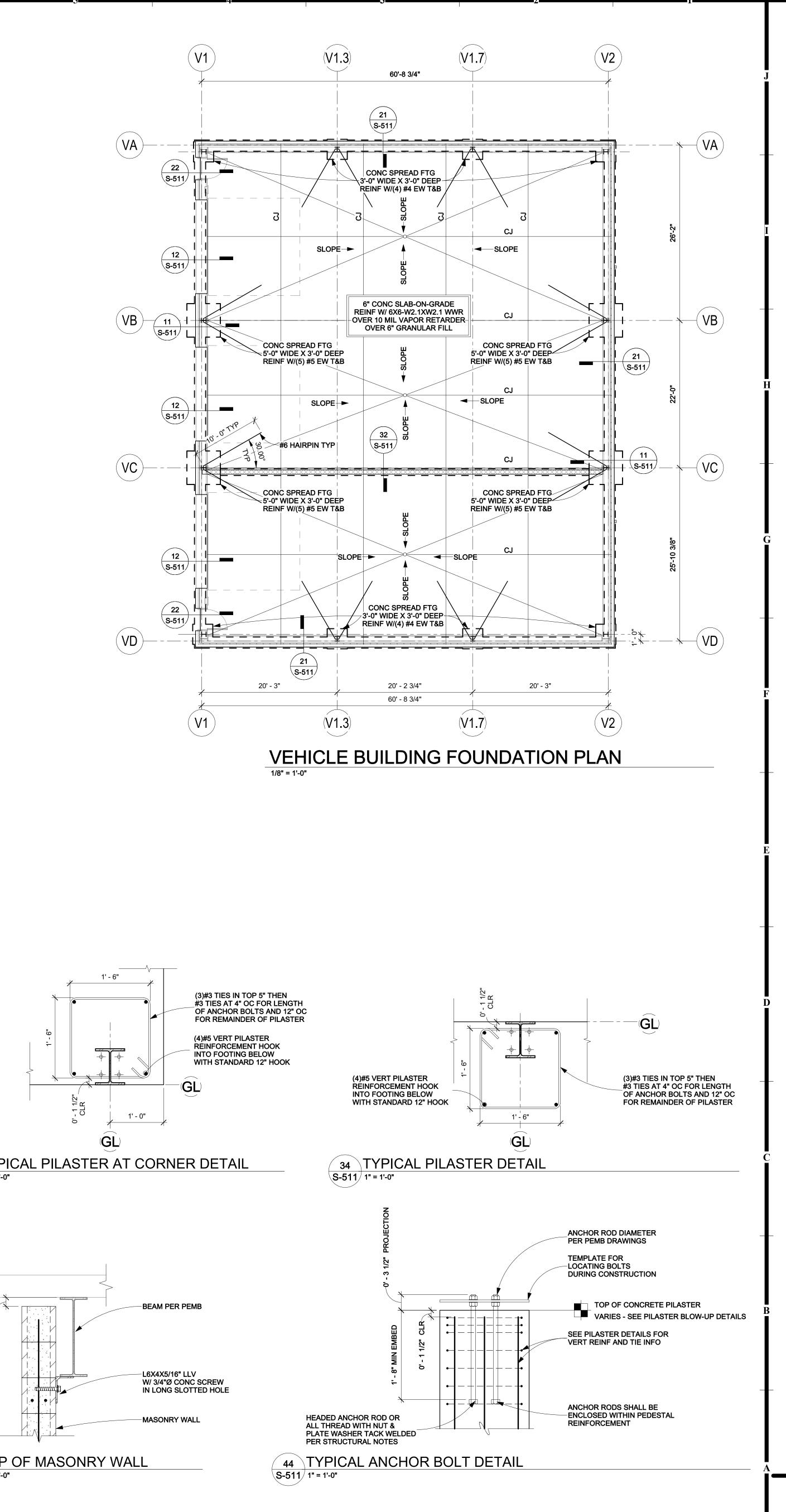
1/8" = 1'-0"

48

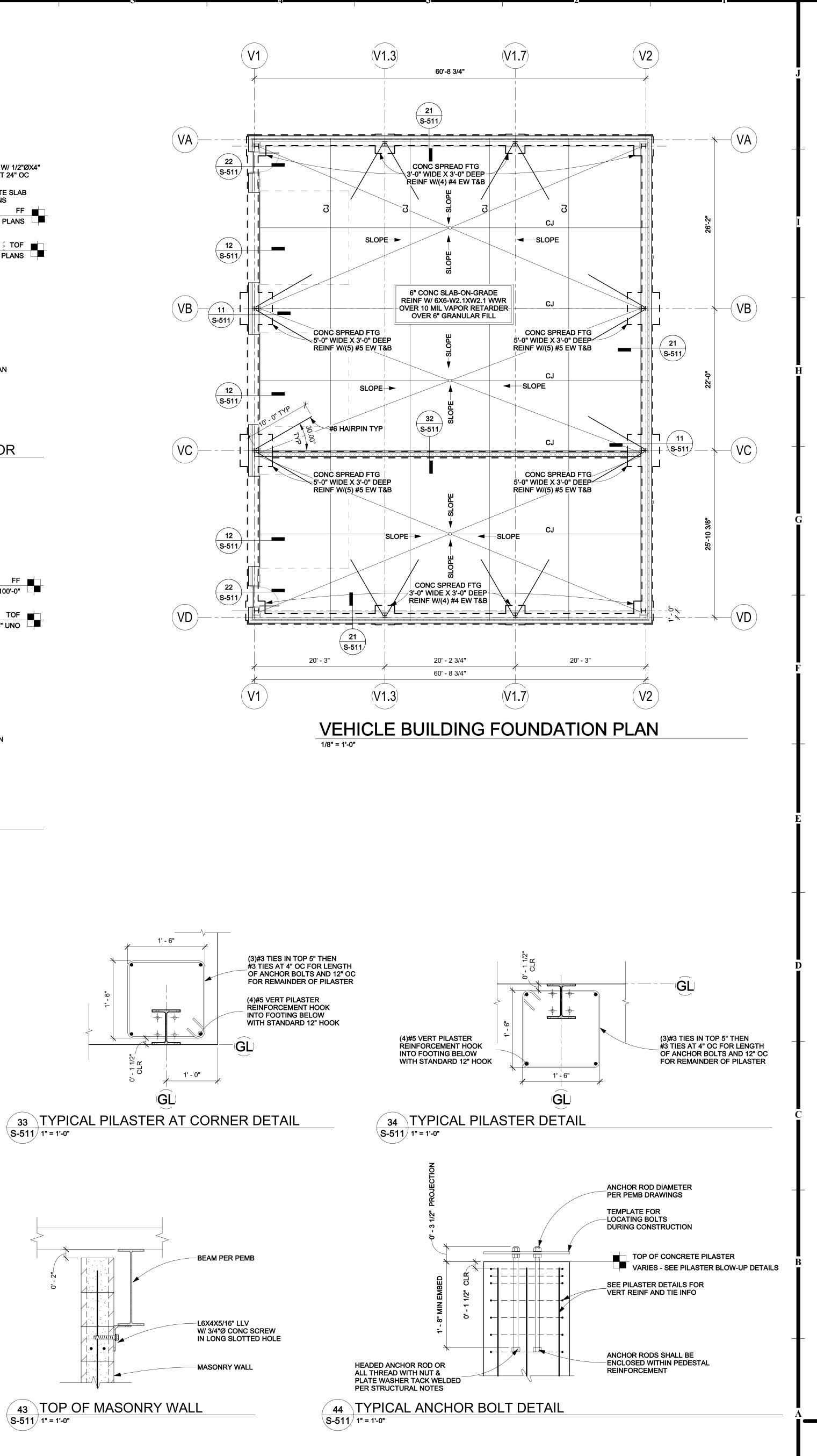






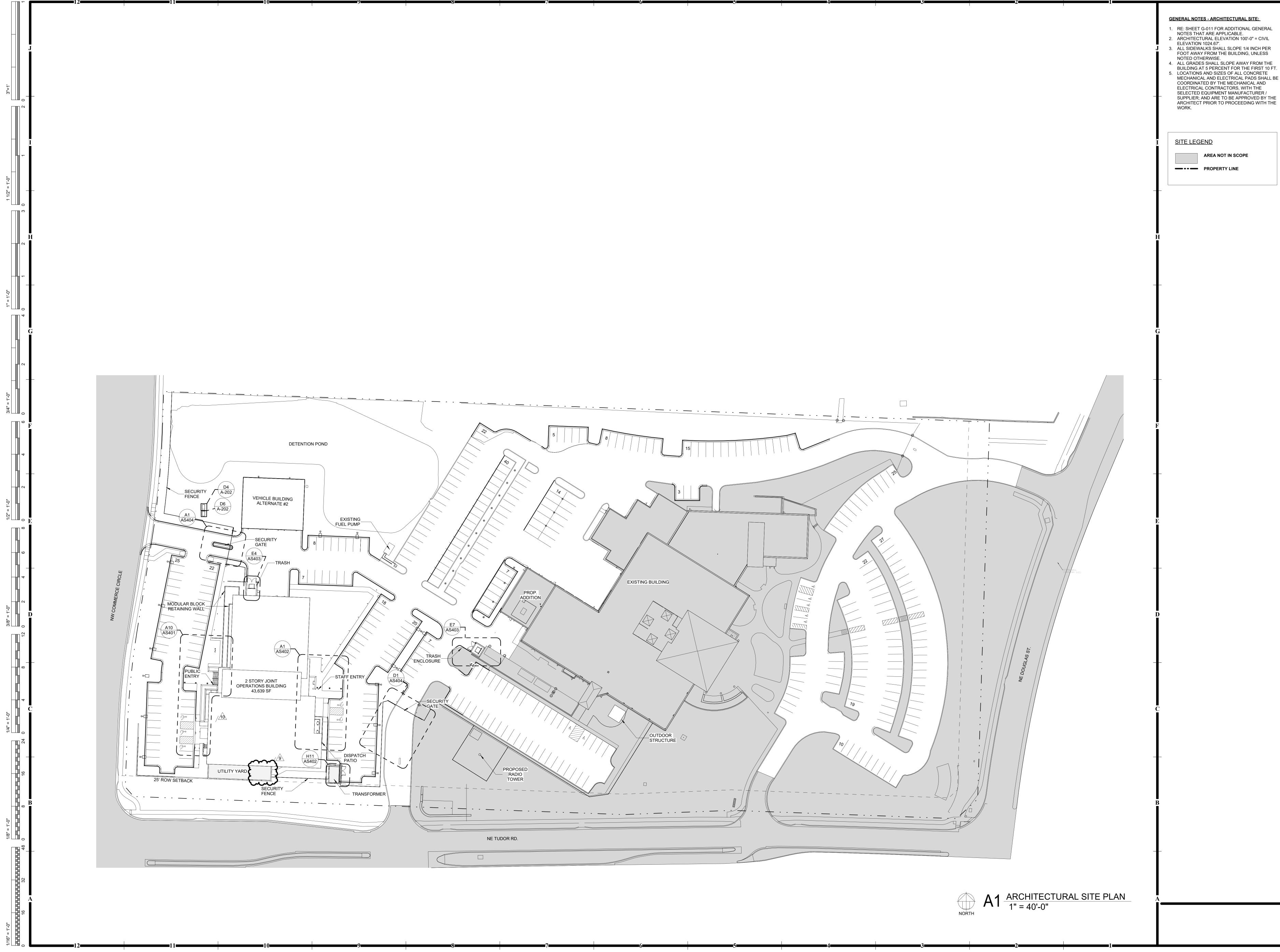


32 THICKENED SLAB DETAIL S-511 3/4" = 1'-0"



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		S STRUCTURAL ENGINEERS 7302 W 145th Terrace Overland Park, KS 66223 w.jsstructuralengineers.com MO COA: 2009009344	
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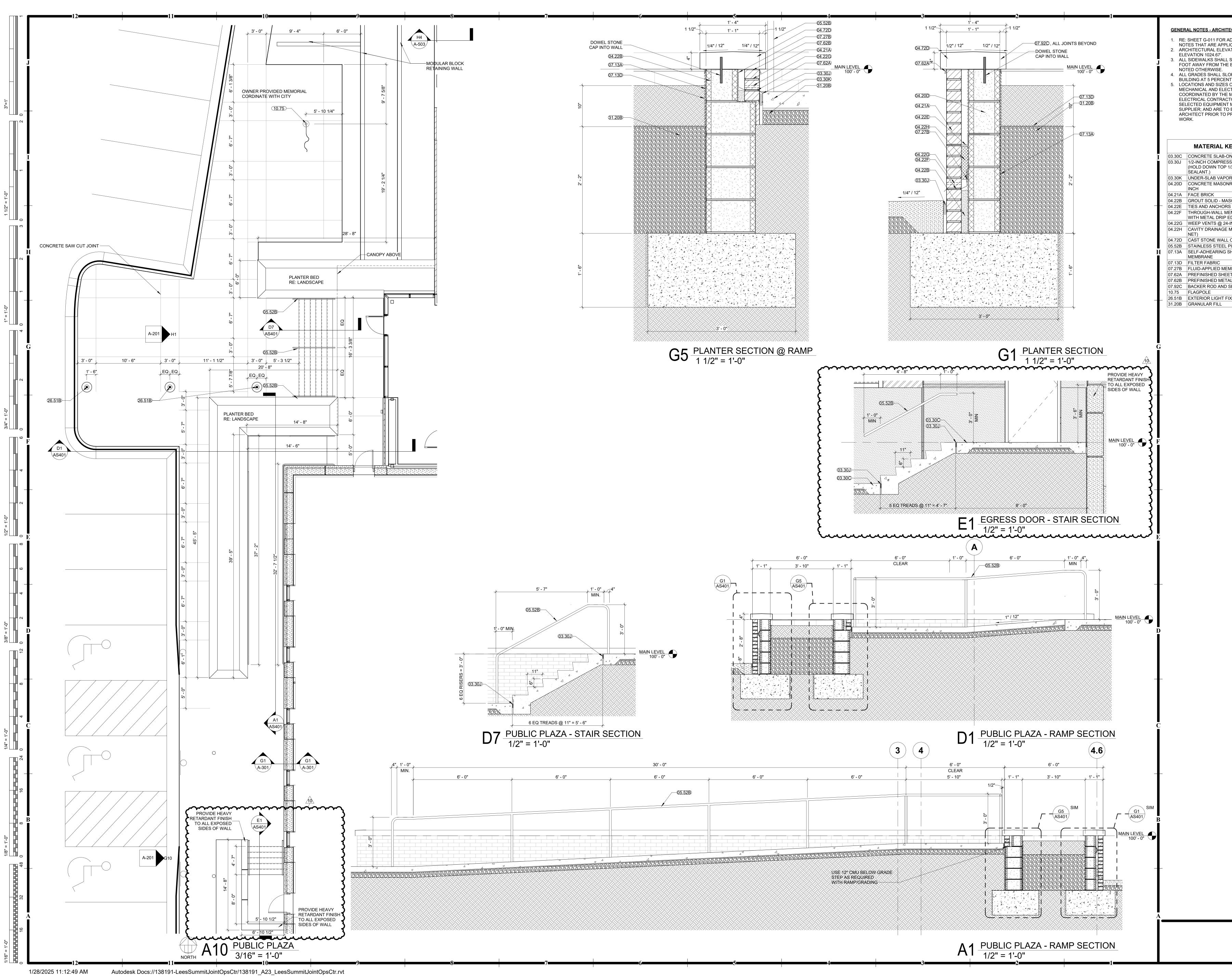
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Lee's Summit, Missouri 02/14/2025 4622 PENNSYLVANIA AVENUE SUITE 1400 KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com COPYRIGHT © BY HOEFER WELKER, LLC

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Ш S TION TRUC  $\leq$ ONS⁻  $\mathcal{O}$ Ũ N.: Ш ACKAG 080 D MISS( FUDOR RD SUMMIT, S С) S 7 **REVISION DATES:** 1/29/2025 1/24/2025 9 CCD 001 10 CCD 002 KRIMREI NUMBER A-2016011211 PROFESSIONAL SEAL AS101 ISSUE DATE: DECEMBER 20, 2024HOEFER WELKER #:138191 SITE PLAN

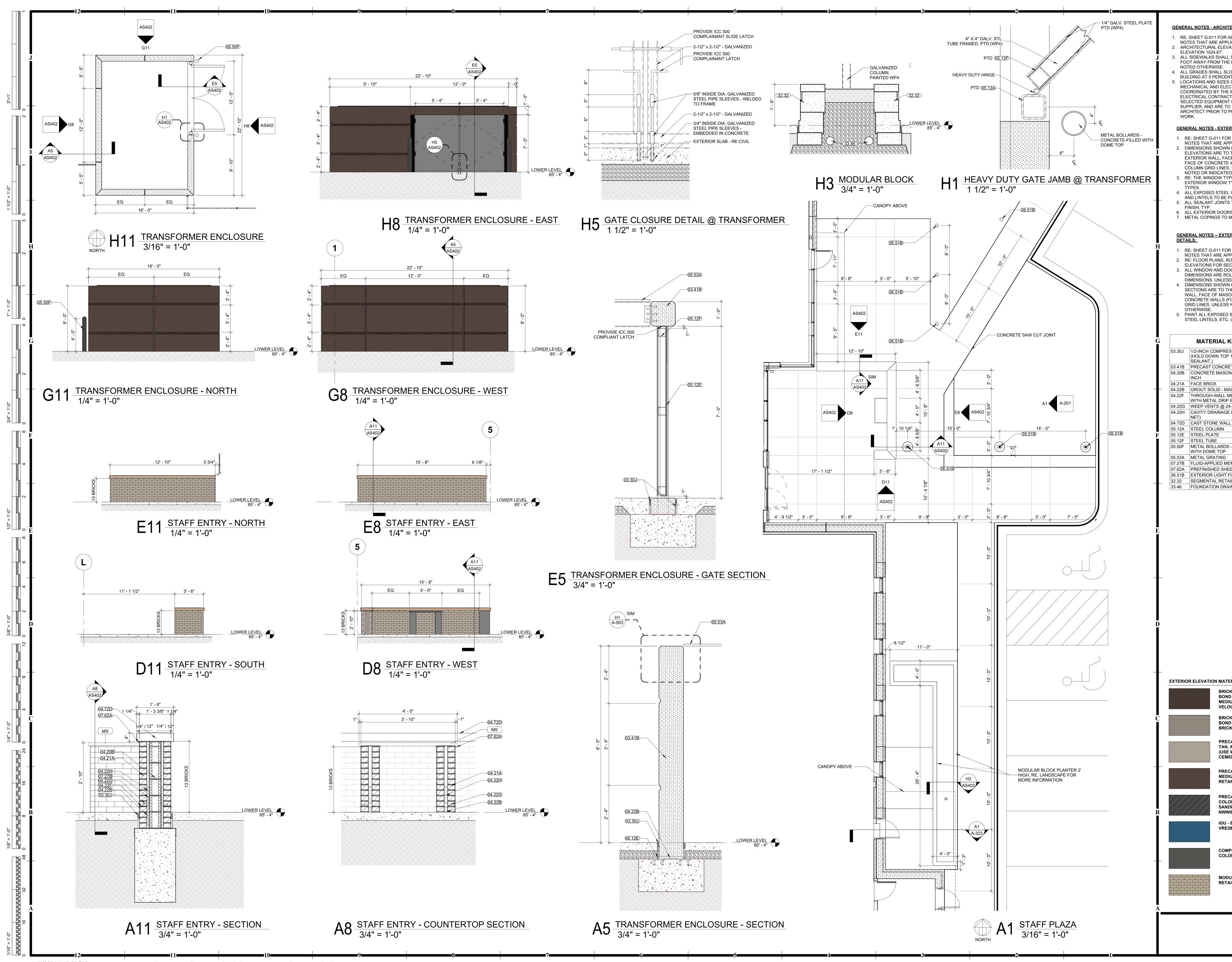


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OPE AWAY FROM THE IT FOR THE FIRST 10 FT. OF ALL CONCRETE CTRICAL PADS SHALL BE MECHANICAL AND TORS, WITH THE MANUFACTURER / D BE APPROVED BY THE PROCEEDING WITH THE	WWW.hoeferwelker.com	
EYNOTES	ATIONS FACILITY PACKAGE 2: CONSTRUCTION SET	
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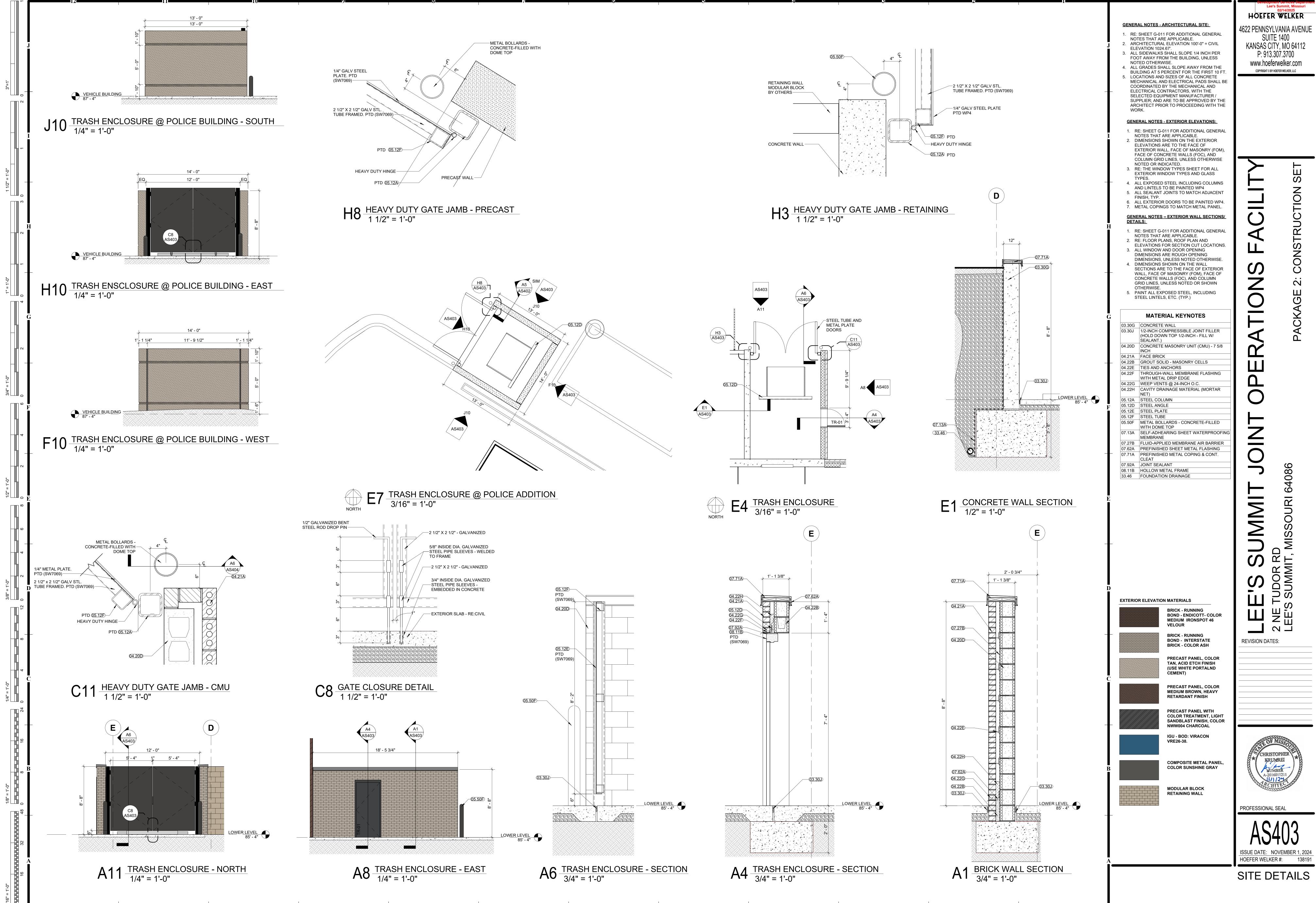
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ARCHITECTURAL SITE: 1 FOR ADDITIONAL GENERAL RE APPLICABLE. 1 ELEVATION 100'-0" = CIVIL 4.67'. 3 SHALL SLOPE 1/4 INCH PER OM THE BUILDING, UNLESS WISE. 4ALL SLOPE AWAY FROM THE PERCENT FOR THE FIRST 10 FT. 0 SIZES OF ALL CONCRETE ND ELECTRICAL PADS SHALL BE BY THE MECHANICAL AND ONTRACTORS, WITH THE IPMENT MANUFACTURER / ARE TO BE APPROVED BY THE OR TO PROCEEDING WITH THE S - EXTERIOR ELEVATIONS: 011 FOR ADDITIONAL GENERAL ARE APPLICABLE. SHOWN ON THE EXTERIOR ARE TO THE FACE OF ALL, FACE OF MASONRY (FOM), ICRETE WALLS (FOC), AND	Liee's Summit, Missouri 02/14/2025 HOEFER WELKER 4622 PENNSYLVANIA AVENUE SUITE 1400 KANSAS CITY, MO 64112 P: 913.307.3700 WWW.hoeferwelker.com COPYRIGHT © BY HOEFER WELKER, LLC
A LINES, UNLESS OTHERWISE DICATED. DOW TYPES SHEET FOR ALL NDOW TYPES SHEET FOR ALL NDOW TYPES SHEET FOR ALL NDOW TYPES AND GLASS DISTELL INCLUDING COLUMNS TO BE PAINTED WP4. JOINTS TO MATCH ADJACENT R DOORS TO BE PAINTED WP4. IGS TO MATCH METAL PANEL. <b>E-EXTERIOR WALL SECTIONS/</b> AND ROP INTONAL GENERAL ARE APPLICABLE. JONG PELING ARE ROUGH OPENING UNLESS NOTED OTHERWISE. SHOWN ON THE WALL ET O THE FACE OF EXTERIOR DF MASONRY (FOM), FACE OF FAASONRY (FOM), FACE OF FAASONRY (FOM), FACE OF IALLS (FOC), AND COLUMN JULESS NOTED OR SHOWN POSED STEEL, INCLUDING S, ETC. (TYP.) <b>RIAL KEYNOTES</b> OMPRESSIBLE JOINT FILLER WIN TOP 1/2-INCH - FILL W/ CONCRETE WALL EMASONRY UNIT (CMU) - 3 5/8 K LID - MASONRY CELLS WALL MEMBRANE FLASHING AL DRIP EDGE TS @ 24-INCH O.C. AINAGE MATERIAL (MORTAR VE WALL CAP UMN TE E LLARDS - CONCRETE-FILLED E TOP ATING LIED MEMBRANE AIR BARRIER ED SHEET METAL FLASHING LIED MEMBRANE AIR BARRIER ED SHEET METAL FLASHING ME SHORD AND AND AND AND AND AND AND AND AND AN	LEE'S SUMMIT JOINT OPERATIONS FACILITY 2 NE TUDOR RD LEE'S SUMMIT, MISSOURI 64086 PACKAGE 2: CONSTRUCTION SET
PRECAST PANEL, COLOR TAN, ACID ETCH FINISH (USE WHITE PORTALND CEMENT) PRECAST PANEL, COLOR MEDIUM BROWN, HEAVY RETARDANT FINISH PRECAST PANEL WITH COLOR TREATMENT, LIGHT SANDBLAST FINISH, COLOR NWW004 CHARCOAL	CHRISTOPHER KRUMREI NUMBER A-2016011211
IGU - BOD: VIRACON VRE26-38. COMPOSITE METAL PANEL, COLOR SUNSHINE GRAY MODULAR BLOCK RETAINING WALL	PROFESSIONAL SEAL ASSAGAGA ISSUE DATE: NOVEMBER 1, 2024 HOEFER WELKER #: 138191 SITE DETAILS

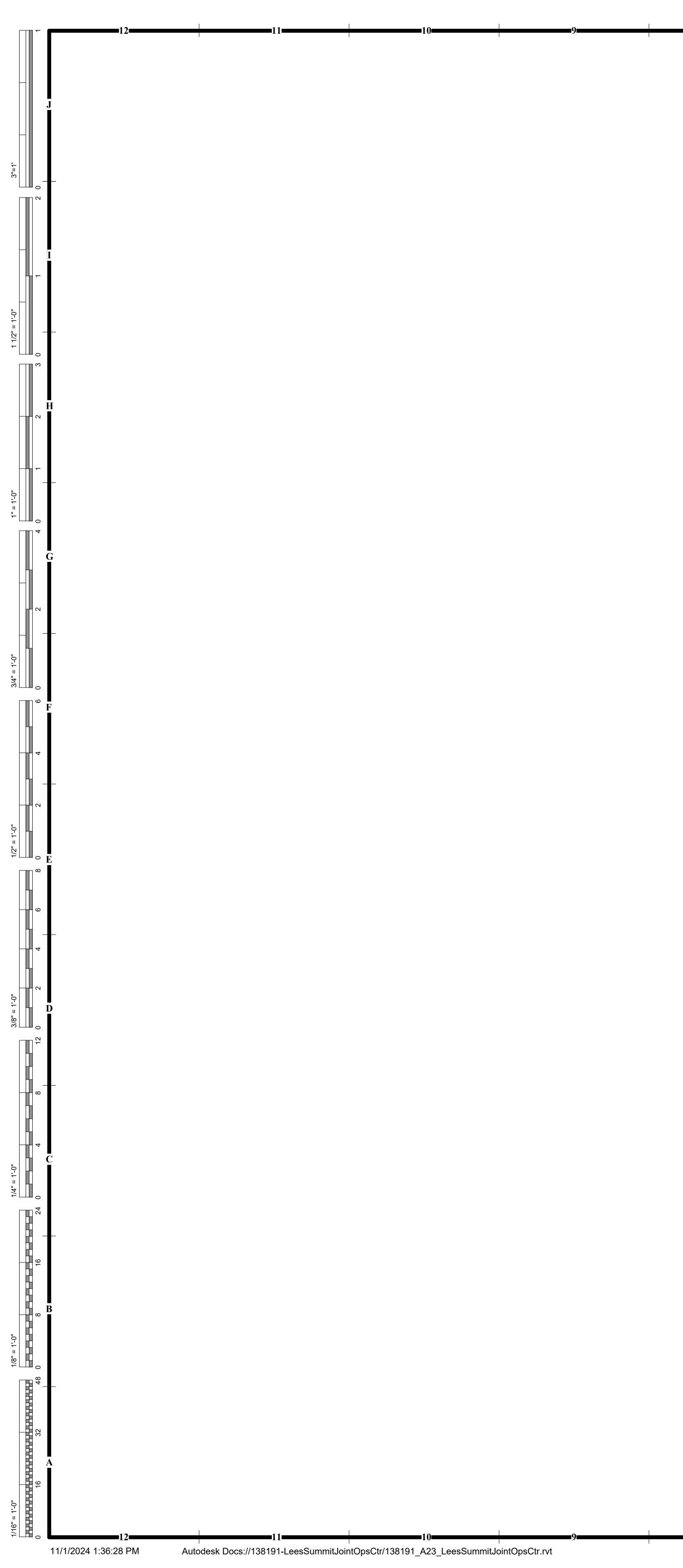


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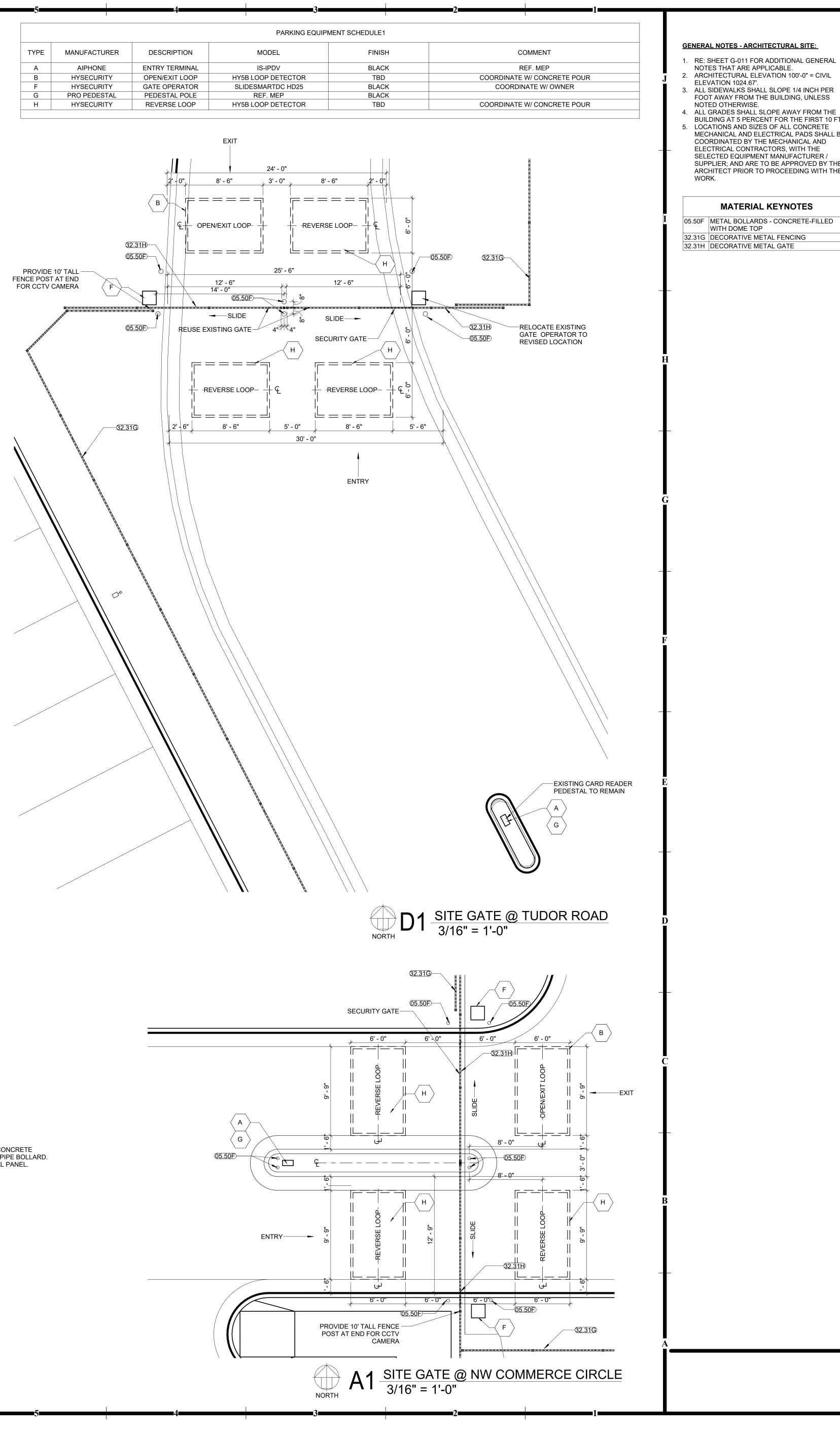
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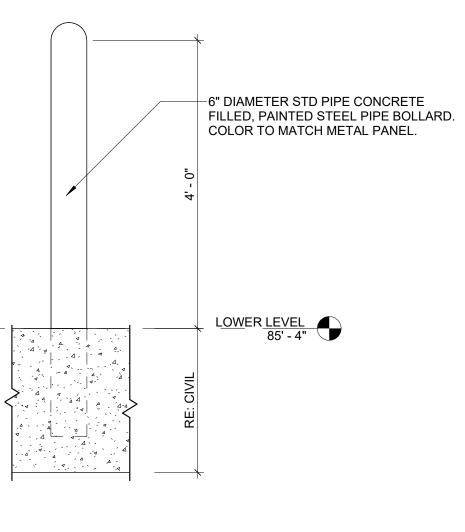
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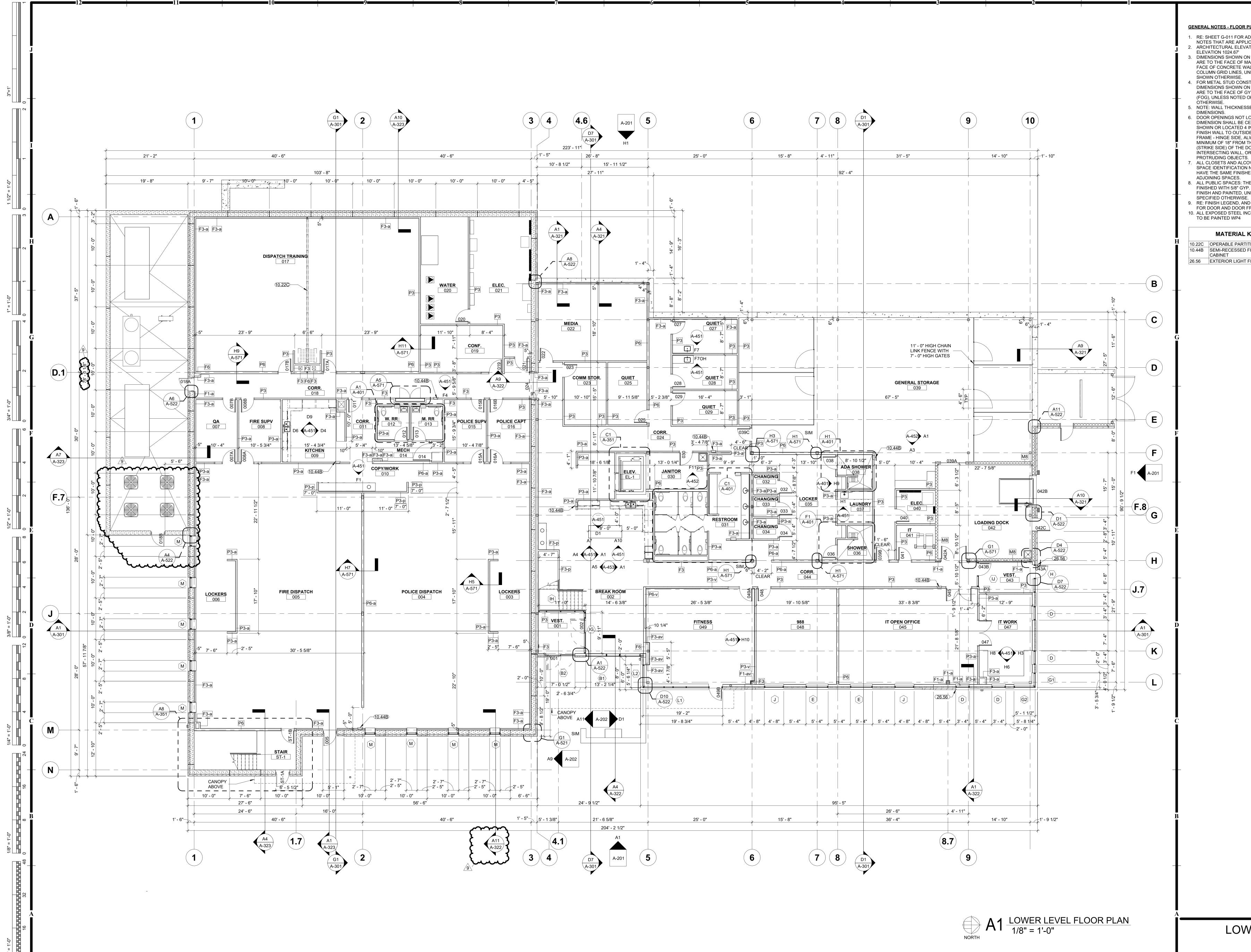
A6 <u>TYP. BOLLARD DETAIL</u> 3/4" = 1'-0"

HOEFER WELKER 4622 PENNSYLVANIA AVENUE SUITE 1400 KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com 4. ALL GRADES SHALL SLOPE AWAY FROM THE COPYRIGHT © BY HOEFER WELKER, LLC BUILDING AT 5 PERCENT FOR THE FIRST 10 FT. MECHANICAL AND ELECTRICAL PADS SHALL BE SUPPLIER; AND ARE TO BE APPROVED BY THE ARCHITECT PRIOR TO PROCEEDING WITH THE MATERIAL KEYNOTES

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Lee's Summit, Missouri 02/14/2025

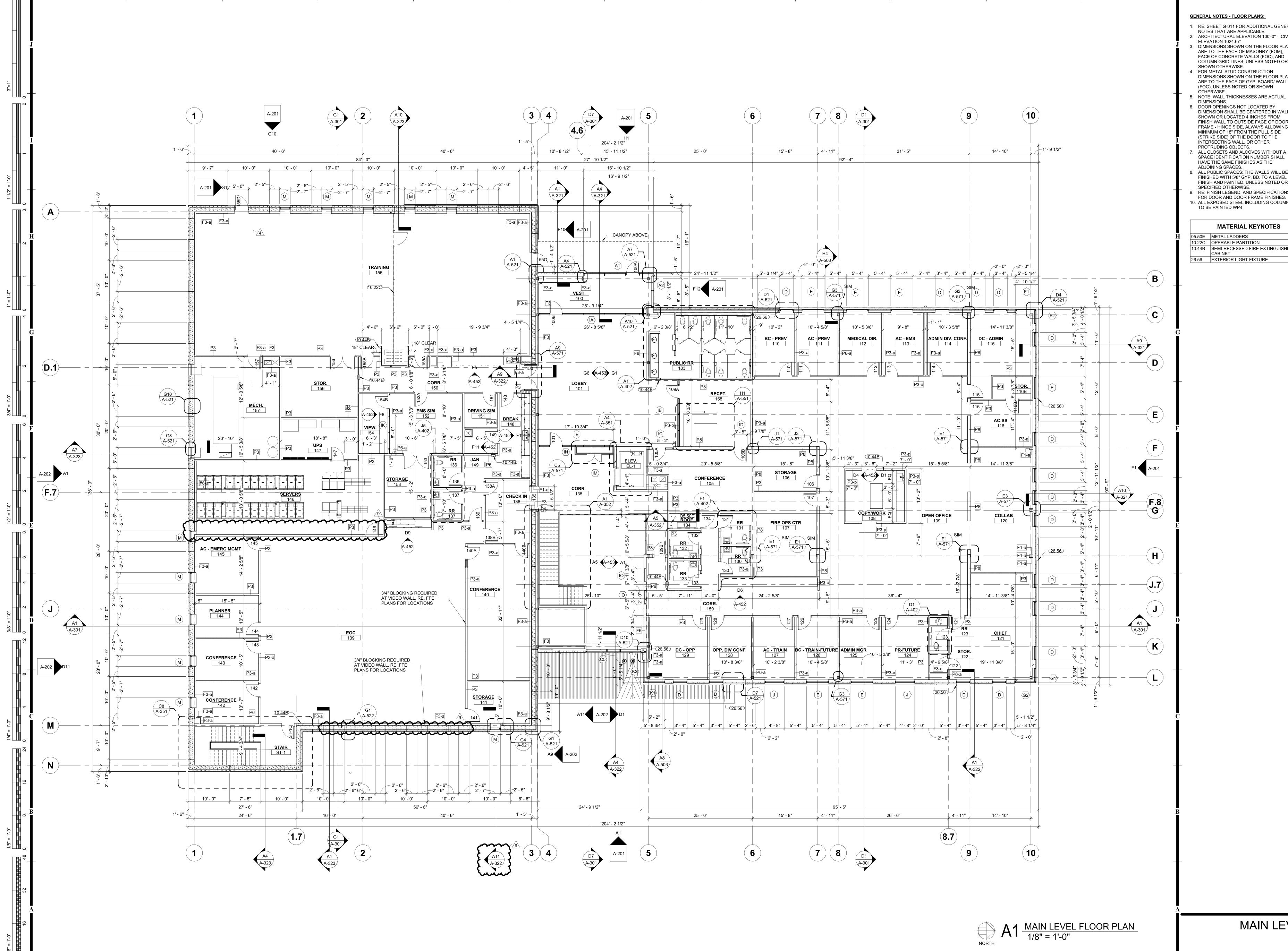
Ш S TION TRUC ONS⁻ ()Ũ N.: ACKAGE 086 RD . MISSOURI N N MIT NT  $\Box$ **(**) ШZ 7 **REVISION DATES:** KRUMREI A-2016011211 11/1/29 11/1/29 11/1/29 11/1/29 PROFESSIONAL SEAL AS404 ISSUE DATE:NOVEMBER 1, 2024HOEFER WELKER #:138191 SITE DETAILS



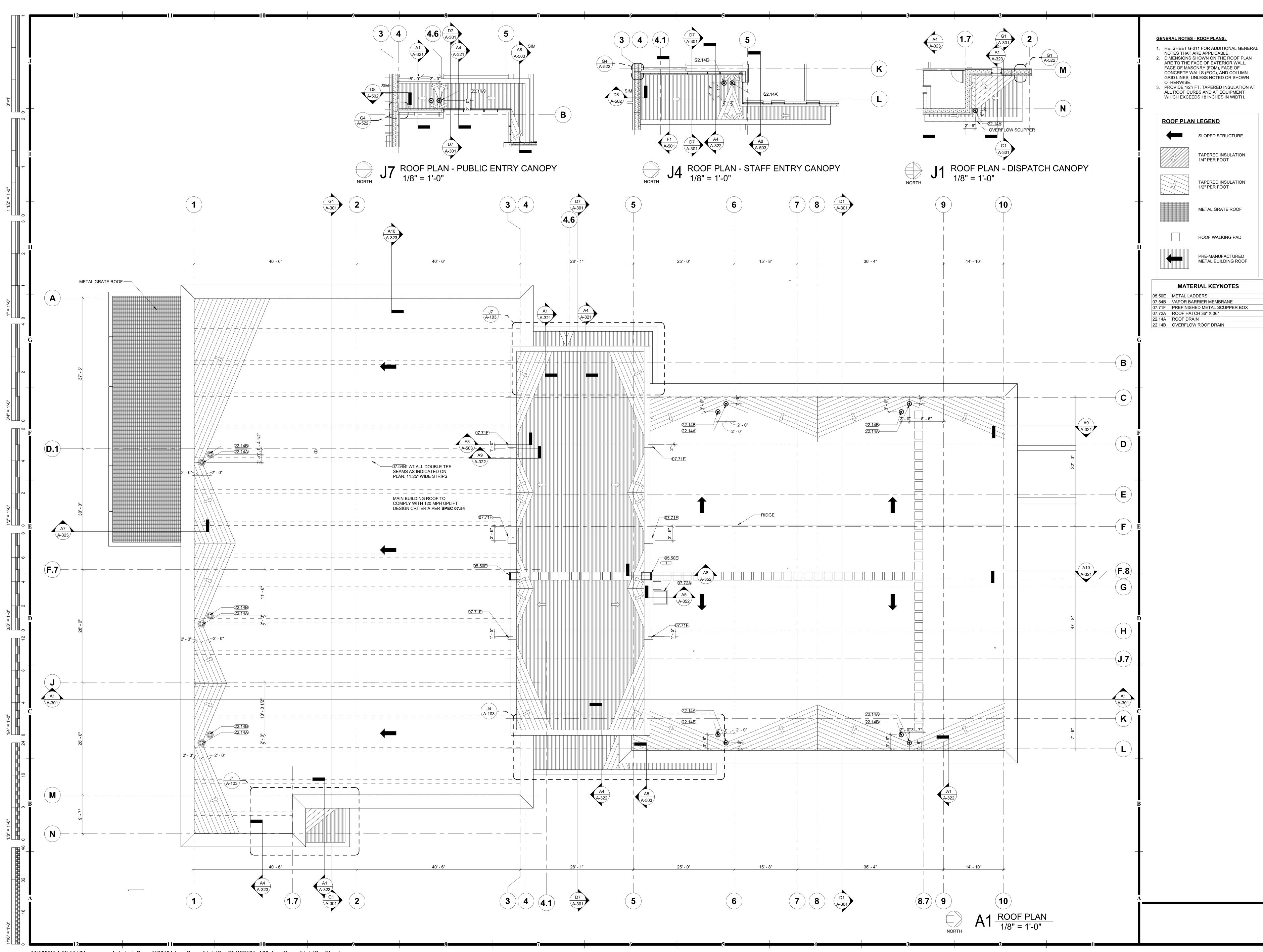
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FACE OF CONCRETE WA COLUMN GRID LINES, UN SHOWN OTHERWISE. 4. FOR METAL STUD CONST DIMENSIONS SHOWN ON ARE TO THE FACE OF GY (FOG), UNLESS NOTED O 5. NOTE: WALL THICKNESS DIMENSIONS. 6. DOOR OPENINGS NOT LC DIMENSION SHALL BE CE SHOWN OR LOCATED 4 FINISH WALL TO OUTSIDE FRAME - HINGE SIDE, ALV MINIMUM OF 18" FROM T (STRIKE SIDE) OF THE DO INTERSECTING WALL, OF PROTRUDING OBJECTS. 7. ALL CLOSETS AND ALCO SPACE IDENTIFICATION N HAVE THE SAME FINISHE ADJOINING SPACES. 8. ALL PUBLIC SPACES: THE FINISHED WITH 5/8" GYP. FINISH AND PAINTED, UN SPECIFIED OTHERWISE. 9. RE: FINISH LEGEND, AND FOR DOOR AND DOOR F 10. ALL EXPOSED STEEL INC TO BE PAINTED WP4

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ES - FLOOR PLANS: G-011 FOR ADDITIONAL GENERAL AT ARE APPLICABLE. TURAL ELEVATION 100'-0" = CIVIL 1024.67' IS SHOWN ON THE FLOOR PLAN E FACE OF MASONRY (FOM), ONCRETE WALLS (FOC), AND RID LINES, UNLESS NOTED OR HERWISE. - STUD CONSTRUCTION IS SHOWN ON THE FLOOR PLAN E FACE OF GYP. BOARD/ WALL ESS NOTED OR SHOWN E.	4622 PENNSYLVANIA AVENUE SUITE 1400 KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com	
L THICKNESSES ARE ACTUAL IS. NINGS NOT LOCATED BY A SHALL BE CENTERED IN WALL A LOCATED 4 INCHES FROM L TO OUTSIDE FACE OF DOOR NGE SIDE, ALWAYS ALLOWING A IF 18" FROM THE PULL SIDE DE) OF THE DOOR TO THE TING WALL, OR OTHER NG OBJECTS. TS AND ALCOVES WITHOUT A NTIFICATION NUMBER SHALL SAME FINISHES AS THE SPACES. S PACES: THE WALLS WILL BE WITH 5/8" GYP. BD. TO A LEVEL 4 D PAINTED, UNLESS NOTED OR OTHERWISE. LEGEND, AND SPECIFICATIONS AND DOOR FRAME FINISHES. ED STEEL INCLUDING COLUMNS ITED WP4 ATERIAL KEYNOTES RABLE PARTITION -RECESSED FIRE EXTINGUISHER NET RIOR LIGHT FIXTURE	PERATIONS FACILITY PACKAGE 2: CONSTRUCTION SET	
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CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri 02/14/2025 HOEFER WELKER 4622 PENNSYLVANIA AVENUE 1. RE: SHEET G-011 FOR ADDITIONAL GENERAL SUITE 1400 KANSAS CITY, MO 64112 2. ARCHITECTURAL ELEVATION 100'-0" = CIVIL ELEVATION 1024.67' 3. DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF MASONRY (FOM), P: 913.307.3700 FACE OF CONCRETE WALLS (FOC), AND www.hoeferwelker.com COLUMN GRID LINES, UNLESS NOTED OR COPYRIGHT © BY HOEFER WELKER, LLC DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF GYP. BOARD/ WALL DIMENSION SHALL BE CENTERED IN WALL SHOWN OR LOCATED 4 INCHES FROM FINISH WALL TO OUTSIDE FACE OF DOOR FRAME - HINGE SIDE, ALWAYS ALLOWING A MINIMUM OF 18" FROM THE PULL SIDE SPACE IDENTIFICATION NUMBER SHALL 8. ALL PUBLIC SPACES: THE WALLS WILL BE FINISHED WITH 5/8" GYP. BD. TO A LEVEL 4 Ш FINISH AND PAINTED, UNLESS NOTED OR S 9. RE: FINISH LEGEND, AND SPECIFICATIONS FOR DOOR AND DOOR FRAME FINISHES. 10. ALL EXPOSED STEEL INCLUDING COLUMNS Ο NC. MATERIAL KEYNOTES 10.44B SEMI-RECESSED FIRE EXTINGUISHER .SN  $\sim$ ()  $\square$ S MIT. UDO SUMI S 7 **REVISION DATES:** 4 ADDENDUM 4 11/26/2024 9 CCD 001 1/29/2025 KRUMRE NUMBER A-2016011211 PROFESSIONAL SEAL A-102 ISSUE DATE: DECEMBER 20, 2024 HOEFER WELKER #: 138191 MAIN LEVEL - FLOOR PLAN



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CONSTRUCTION As Noted on Plans Review Lee's Summit, Missouri 02/14/2025 HOEFER WELKER 4622 PENNSYLVANIA AVENUE SUITE 1400 KANSAS CITY, MO 64112 P: 913.307.3700 www.hoeferwelker.com COPYRIGHT © BY HOEFER WELKER, LLC SLOPED STRUCTURE TAPERED INSULATION 1/4" PER FOOT TAPERED INSULATION 1/2" PER FOOT Ш S TION METAL GRATE ROOF RUC⁻ ROOF WALKING PAD PRE-MANUFACTURED METAL BUILDING ROOF -SNC MATERIAL KEYNOTES () $\sim$ Ш <u>(</u>)  $\mathbf{O}$ ) () () **REVISION DATES:** A-2016011211 PROFESSIONAL SEAL A-103 ISSUE DATE:NOVEMBER 1, 2024HOEFER WELKER #:138191

ROOF PLAN