<u>ABB</u>	BREVIATIONS								DRAFTING SYMBO	oLS			SHEET INDEX SHT NO SHEET NAME			SHEET INDEX SHT NO SHEET NAME		SHEET II	SHEET NAME
<u>A</u> A.F.F. A.F.L. ABV	Above Finish Floor Above Floor Level Above	CONT Continue (ous) (ation) FP		teinforced Plastic	L (continued)P (contLONGLongitudinalPREFABLTGLightingPRELIMLVRLouverPRKG	B Prefabricated			1 4 A101 2 MULTI - ELEVA	ATION REFEI	RENCE CD-000	REVISION	GENERAL G000 SHEET INDEX, MA G002 TYPES AND SYST G006 ZONING - ELEVAT	EMS ION		S3.1 ROOFING FRAMING PLAN S4.1 FOUNDATION DETAILS S4.2 FOUNDATION DETAILS S5.1 FRAMING DETAILS		FIRE PROTECT FP001  PLUMBING	FIRE PROTECTION NOTES AND PLAN
AC ACT ADD ADDL	Acoustic (al) Acoustical (Ceiling) Ti Addendum (Addenda) Additional	CW Curtain Wall FT	T Foot or Feet TG Footing TR Fin Tube Ra UR Furring	diation / Radiator	M         PSF           M.O.         Masonry Opening         PT           MAS         Masonry         PTN	Pound per Squar Pound per Squar Paint Partition	re Foot TAN re Inch TBD TBF TBN	Tangent To Be Determined Thermally Broken Furring	3 SIM		1	KEYNOTE	G007 EXTERIOR RENDE G051 BUILDING CODE S		SSING	S5.2 FRAMING DETAILS  ARCHITECTURAL DEMOLITION AD101N LEVEL 1 DEMOLITION PLAN AND REF	FLECTIVE CEILING	PIAN P004	PLUMBING LEGEND AND NOTES PLUMBING SCHEDULES PLUMBING EQUIPMENT DETAILS PLUMBING EQUIPMENT DETAILS
ADJ ADJCT ADMIN AL	IN Administration Aluminum	<u> </u>	A Gauge ALV Galvanized			Polyvinyl Chlorid	TEM THK THR	Think (ness) Threshold	A101 ELEVATION RE	EFERENCE				& TREE PRO	TECTION PLAN (NORTH)	NORTH  AD101S LEVEL 1 DEMOLITION PLAN SOUTH  AD121S LEVEL 1 DEMOLITION REFLECTIVE C  AD200 DEMO ELEVATIONS		P101 P102 P103	PLUMBING OVERALL DRAIN PLAN PLUMBING ENLARGED DRAIN PLAN PLUMBING WASTE AND VENT RISER
ALI ANC APC APPRI ARCH	Alternate Anchor Precast Concrete - Ar ROX Approximately	DEPT Department GC chitectural DF Drinking Fountain GE DIA Diameter GL	BD Gypsum Boa C General Cor EN General / Ge EL Glass / Glas	atractor enerator ing	MECH Mechanical MEMB Membrane R MEZZ Mezzanine R	Quantity  Radius or Riser	TRT TYP TZ	Timinal	SIM SECTION REFI	ERENCE	Elevation ROOM NAME	LEVEL MARKER  ROOM NAME	C002   SITE DEMOLITION	H) H)	OTECTION PLAN (SOUTH)	ARCHITECTURAL A001 SITE PLAN		P201 P202 P203 P301	PLUMBING OVERALL SUPPLY PLAN PLUMBING ENLARGED SUPPY PLAN PLUMBING SUPPLY ROOF PLAN PLUMBING ROOF PLAN
AVG AVS AVG AXFL	O Automatic Audio Visual Average	DIAG         Diagonal         GL           DIM         Dimension           DL         Dead Load <u>H</u> DN         Down         H           DR         Door         HE		(Dimension)	MFR Manufacturer R.O.  MIN Minimum RCP  MIR Mirror (detail views) RD  MISC Miscellaneous RECT  MTD Mounted REF	Rough Opening Reflected Ceiling Roof Drain Rectangular	g Plan UC UG UG UNF UNC	FIN Unfinished	SIM  A101  DETAIL REFER	RENCE		ROOM NUMBER	C103 SITE LAYOUT PLA C200 SITE UTILITY PLAI C201 SITE UTILITY PLAI	N (NORTH) N (SOUTH)		A101N LEVEL ONE NORTH A101S LEVEL ONE SOUTH A102 ROOF PLAN NORTH A121N LEVEL ONE REFLECTED CEILING PLA	ANINORTH	P302 MECHANICAL	ROOF DRAIN ISOMETRIC
	NL Access Panel  Bottom of	DS Downspout HC DTL Detail HE DW Dishwasher HE	B Hose Bibb C Handicap DR Header DRL Handrail DWR Hardware		MTD Mounted REF MTL Metal REG MUL Mullion REINF MW Millwork REQD REV	Refrigerator Register/Registra Reinforce (ment) Required	ation UPF	O Unless Noted Otherwise I Upholstery Utility	A101) DETAILE LE	(LIVOL		NORTH SYMBOL	C210 16 INCH WATER M C300 SITE GRADING & I C301 SITE GRADING & I C310 STORMWATER PL	DRAINAGE PL DRAINAGE PL	_AN (NORTH) _AN (SOUTH)	A121N LEVEL ONE REFLECTED CEILING PLA A121S LEVEL ONE REFLECTED CEILING PLA A151 TOILET ROOM PLANS AND ELEVATIONS A191 ENLARGED PLANS AND ELEVATIONS	AN SOUTH INS	M001 M101 M102 M103	MECHANICAL NOTES AND LEGENDS  MECHANICAL OVERALL PLAN  MECHANICAL PLAN - EXISTING WEST  MECHANICAL PLAN - EXISTING EAST
B.O BD BIT BLDG BLKG	Board Bituminous Building	DWL Dowel HM HC <u>E</u> HT	M Hollow Meta ORZ Horizontal TR Heater	I ntilation / Air Conditioning	N         North         RH           NA         Not Applicable         RM           NIC         Not In Contract         RND	Revision Right Hand Right Hand Reve Room Round	V.1.F V.1.F VAF VB VCT	R Varies Barrier - Vapor Barrier, Vapor Retarder	1		——— DRAWII	NG NUMBER NG TITLE	C400 EROSION CONTRI C401 EROSION CONTRI C410 ERODION CONTR	OL PLAN (NC	ORTH) OUTH)	A201 BUILDING ELEVATIONS A251 BUILDING SECTIONS A252 BUILDING SECTIONS		M104 M105 M106	MECHANICAL PLAN - ADDITION MECHANICAL PLAN - ADDITION ENLARGED MECHANICAL PLAN - ADDITION ENLARGED
BM BOT BRG BRK	Beam or Benchmark Bottom		YD Hydrant  D. Inside Diame		NO Number ROW  NOM Nominal  NRC Noise Reduction Coefficient  NSMF Non-Structural Metal Framing  S		VES VES VNF	RT Vertical ET Vestibule	A101 1/8" = 1' - 0	NAME			C500 SITE DETAILS C501 SITE DETAILS C502 SITE DETAILS CMISC SUPPLEMENTAL I	NFORMATION	N	A253 BUILDING SECTIONS A301 WALL SECTIONS A302 WALL SECTIONS A351 EXTERIOR DETAILS		M107 M108 M109 M110	MEHCHANICAL ROOF PLAN - EXISTING  MECHANICAL ROOF PLAN - ADDITION  MECHANICAL ROOF PLAN - BID ALT #3  MECHANICAL ROOF PLAN - ADDITION  ADD 1
BSMT BTWN	T Basement <sup>*</sup>	EJ Expansion Joint IN  EL Elevation (Level/Height indication) IN  ELEC Electric (al) INI	N Inch NCL Include (ing) NFO Information		NTS Not To Scale SCHED SD  O SECT O.A. Overall SF		\frac{\text{W}}{\text{W}} \ \text{W} \ \text{W} \ \text{wre Foot} \ \text{W}/	West Wide/Width (Dimension) With			SCALE SHEET	NUMBER	LANDSCAPE L101 LAYOUT PLAN			A352 EXTERIOR DETAILS A353 EXTERIOR DETAILS A354 EXTERIOR DETAILS A371 EXTERIOR PLAN DETAILS	/1	M111 M201 M202	MECHANICAL RCP - ADDITION MECHANICAL SCHEDULES MECHANICAL DETAILS
<b>C</b> C.O. C.T.C. CAB	Cased Opening C. Center To Center Cabinet	EMER Emergency IN' EMER Emergency ENT Entrance EO Electrical Outlet			O.C. On Center SHT O.D. Outside Diameter SHTG OFCI Owner Furnished - Contractor Installed SHWR OFOI Owner Furnished - Owner Installed SIM	Sheet Sheathing Shower Similar	W/C WC WD WD	Water Closet / Toilet Wood	101 DOOR NUMBE  1 GLAZED OPEN		AAA-##	MATERIAL / PRODUCT ID	L102         MATERIAL PLAN           L103         PLANTING PLAN           L104         IRRIGATION PLAN           L301         SECTIONS			A371 EXTERIOR PLAN DETAILS A372 EXTERIOR PLAN DETAILS A381 EXTERIOR DETAILS - 3" SCALE A391 EXTERIOR PLAN DETAILS - 3" SCALE	ADD	M301 M302 ELECTRICAL	MECHANICAL CONTROLS  MECHANICAL CONTROLS
CAT CF CFM CFMF	Cubic Feet Cubic Feet Per Minute F Cold Formed Metal Fr	EQUIP Equipment JS EXIST Existing JT Faming EXP Exposed	BOX Junction Box ST Joist T Joint	<b>C</b>	OH Overhead SLNT OPNG Opening SM OPP Opposite SMTL OPT Option(al) SOG	Sealant Surface Mount Sheet Metal Slab on Grade	WDI WD' WG WH	W Prefabricated Windows D Wall and Door Protection Water Heater					L301.1         SECTIONS - VERA           L401         LAYOUT ENLARGI           L402         LAYOUT ENLARGI           L501         DETAILS - PAVEM	EMENTS EMENTS		A502 INTERIOR ELEVATIONS ADDITION A503 INTERIOR ELEVATIONS ADDITION A504 INTERIOR ELEVATION ADDITION A551 INTERIOR DETAILS		E001 E002 E101	ELECTRICAL LEGEND ELECTRICAL NOTES AND DETAILS POWER PLAN - EXISTING POWER PLAN - ADDITION
CHNL CIPC CIR CJ	Channel Cast-In-Place Concre Circle Control Joint Centerline	EXT Exterior  te  F.F.E. Finish Floor Elevation F.O. Face of	IT Kitchen O Knockout		OPTN         Operable Partition         SP           ORD         Overflow Roof Drain         SPEC           SS         STC           PA         Date Date In Address System	Space (ing) Specifications Stainless Steel Sound Transmis	WP WT XJ sion Coefficient	Waterproofing Window Treatment Expansion Joints	ASSEMBLY TYPE  FLOOR ASSEM			SHEET)  BASE ASSEMBLY	L502 DETAILS - VERAN L503 DETAILS - PLANTI L504 DETAIL - TREE PR	DA NG OTECTION		A552 INTERIOR DETAILS A601 DOOR SCHEDULE, TYPES AND DETA A651 GLAZING TYPES AND DETAILS	ILS	E103. E104 E105	MECHANICAL POWER PLAN - ADDITION MECHANICAL POWER PLAN - EXISTING MECHANICAL POWER PLAN - ROOF
CLNG CLO CLR CM	_	FA Fire Alarm L  FD Floor Drain LA  FE Fire Extinguisher LA	Long (Dimer AB Laboratory AM Laminate, La		PA Public Address System STD PAR Parallel STL PC Precast Concrete STN PERIM Perimeter STOR PERP Perpendicular STRUCT				CEILING ASSE 10'-0" CEILING HEIG FLOOR LEVE	GHT ABOVE		TRANSITION ASSEMBLY	L505 DETAILS - FURNIT L506 DETAILS - FURNIT STRUCTURAL			A701N LEVEL ONE FINISH PLANS NORTH A701S LEVEL ONE FINISH PLANS SOUTH A801N MILLWORK PLANS NORTH A801S MILLWORK PLANS SOUTH		E106 E201 E202 E303	MECHANICAL POWER PLAN - EXISTING ROOF BID ALT #3 LIGHTING PLAN - EXISTING LIGHTING PLAN - ADDITION SITE ELECTRICAL PLAN
CMU CO COL COM	Concrete Masonry Un Clean Out Column Communication	it FFE Furnishings, Fixture and Equipment LB FHC Fire Hose Cabinets LD FIN Finish LF FIXT Fixture LF	B Pound DR Ladders F Linear Foot		PL         Plate         SUBFL           PL         Property Line         SUSP           PLAM         Plastic Laminate         SYM           PLAS         Plaster - Gypsum         SYS		netrical		ROOF1 ROOF ASSEMB				S1.0 REQUIRED IBC SF S1.1 FOUNDATION GEI S1.2 FRAMING GENER.	NERAL NOTE:	S & TYP. DETAILS	A802 MILLWORK ENLARGED PLANS A803 MILLWORK ELEVATIONS A851 MILLWORK ESCTIONS		E400 E401 E402	FIRE ALARM DETAILS AND NOTES FIRE ALARM PLAN - EXISTING FIRE ALARM PLAN - ADDITION
CONC COND CONF CONN	D Condition F Conference N Connection	FL Floor (ing) LH FLASH Flashing LIN FLEX Flexible LIN FND Foundation III	HR Left Hand Ro IN Linear INO Linoleum L Live Load	everse	PLBG Plumbing PLF Pound per Linear Foot PLY Plywood PNL Panel	,			EXTERIOR WA	RATED	BLY A3	PARTITION ASSEMBLY - ACOUSTICAL RATED	S1.3 TYP. FRAMING DE S2.1 FOUNDATION PLA S3.0 LINTEL PLAN			A901N LEVEL ONE FURNITURE / AV PLAN NO A901S LEVEL ONE FURNITURE / AV PLAN SO		E403 E404 E501 ED101	SYSTEM PLAN - EXISTING SYSTEMS PLAN - ADDITION ELECTRICAL SCHEDULES AND RISER ELECTRICAL DEMOLITION PLAN
MATERIA	ST Construction  AL / PRODUCT ID	FP Fire Proofing LC	OC Location	L / PRODUCT ID L	PR Pair LIST	MATER	RIAL / PRODUCT	ID LIST	FIRE RATING		AL / PRODUCT IE	- FIRE RATING  D LIST		MATER	IAL / PRODUCT II	) LIST	MATERIA	AL / PRODUCT ID	
ID ACCL-1	ACOUSTICAL PANEL CEILING SYSTEM	Spec Data  MFR: USG; PRODUCT: MARS HIGH-NRC LOGIX ACOUSTICAL PANEL;	ID CPT-1	CARPET TILE MF	pec Data IFR: INTERFACE; TYLE: OBLIGATO; OLOR: TRAVERTINE;	ID IGU-2	DESCRIPTION  SPANDREL GLASS, CLEAR W/	Spec Data  MFR: VITRO; PRODUCT: SILICONE-COATED, LOW-E, CLEAR I	INSULATING ID	ГА	PAINT COLOR, WHITE	Spec Data  MFR: BENJAMIN MOORE; COLOR: WHITE DOVE; NUMBER: OC-17:		<b>ID</b> TA-16	PURSE SHELF	Spec Data  MFR: SHELFOLOGY; PRODUCT: AKSEL RADIUS ASH FLOATING SHELF;	ID WA-1	WALL ACCESSORY - ART RAIL	Spec Data  MFR: AS HANGING DISPLAY SYSTEMS; STYLE: CLICK RAIL TRACK A1050;
		PANEL SIZE: 24" X 72" X 1"; PANEL SIZE: CORRESPONDING PANEL SIZES AT CEILING DEVICES; PANEL EDGE: FINELINE BEVEL; PANEL COLOR: WHITE; NRC: 0.90:		NU BA DII	OLOR: TRAVERTINE; UMBER: 106714; ACKING: C-QUEST BIO X; IMENSIONS: 25CM X 1M; INSTALLATION: ASHLAR:		OPAQUE COATING	SPANDREL GLASS; UNIT THICKNESS: 1"; EXTERIOR LITE: 1/4" CLEAR; SPACER: 1/2" WARM EDGE, BLACK; FILL CONTENT: AIR:	PT	ГВ	PAINT COLOR, BEIGE	MFR: BENJAMIN MOORE; COLOR: CLAY BEIGE; NUMBER: OC-11;				FINISH: CLEAR SEALED ASH; DEPTH: 8"; LENGTH: 24"; RADIUS: 3", BOTH SIDES; MOUNT: DRYWALLL;	WA-2		COLOR: WARM WHITE; CAPACITY: 20LBS. / FT; NOTE: Includes eight (8x) each Click & Connect connectors, #6 x 1.25" screws and TripleGrip anchors; MFR: ROPPE:
		GRID MODEL: USG INDENTITEE DXI WITH STABILIZER BARS; GRID: 9/16"; GRID COLOR: FLAT WHITE 050; NOTE: LBC RED-LIST FREE;	CPT-2	CARPET TILE MF	OTE: USE TAC-TILES FOR INSTALL PER MFR INSTRUCTIONS;  IFR: INTERFACE;  TYLE: DIMINUENDO;  OLOR: TRAVERTINE:	INSUL-1	INSULATION.	INTERIOR LITE: 1/4" CLEAR; COATING: SOLARBAN 70, #2 SURFACE; COLOR: 3-4051 (SPENCER), #4 SURFACE; PRODUCT: MINERAL-FIBER SOUND-ATTENUAT	PI	ГС	PAINT COLOR, WARM WHITE	LRV; 62.87  MFR: BENJAMIN MOORE; COLOR: LAMBSKIN;		TA-17A	MIRROR UNIT	MFR: RENWIL; PRODUCT:WEBSTER; SIZE: 26"W X 40"H X 0.5"D; IFRAME FINISH: Iron - Black Powdercoated Finish:		ACCESORY	PRODUCT: RUBBER ACCESSORY COVE CAP; STYLE: #46 COVE CAP 1/8"; COLOR: 131 BISQUE; NOTE: LBC REDLIST FREE AND USA MADE;
ACCL-2	ACOUSTICAL PANEL CEILING SYSTEM	MFR: USG; PRODUCT: MARS ACOUSTICAL PANEL; PANEL SIZE: 24" X 24 X 7/8" ; PANEL EDGE: TEGULAR;		NU BA DII IN:	UMBER: 106700; ACKING: C-QUEST BIO X; IMENSIONS: 25CM X 1M; ISTALLATION: ASHLAR			ON ASTM/TYPE: C665, TYPE I; COMPRESSIVE: N/A; R-VALUE: N/A; FACER: UNFACED:	PT	ГD	PAINT COLOR, LIGHT GREY	NUMBER: OC-3; LRV: 71; MFR: BENJAMIN MOORE; COLOR: PALE OAK; NUMBER: OC-20:		TA-17B		MODEL: MT2394;  MFR: BOBRICK; PRODUCT: MIRROR WITHN STAINLESS STEEL CHANNEL FRAME; SIZE: 24" X 36"	WAVB-1	WATER, AIR, AND VAPOR BARRIER MEMBRANE	PRODUCT: FLUID-APPLIED AIR BARRIER; AIR: 0.004 CFM/SF AT 1.57 PSF MAX; VAPOR: IMPERMEABLE (LESS THAN 0.1 PERMS); MFR: CARNEGIE:
		PANEL COLOR: WHITE; NRC: 0.80; GRID: USG DX; GRID COLOR: WHITE;	CPT-3	CARPET TILE MI	OTE: USE TAC TILES FOR INSTALL REP MER INSTRUCTIONS: IFR: INTERFACE; OLLECTION: MONOCHROME; OLOR: MIX OF PEACH 101823, PERSIMMON 101818, EARTH RUS	INSUL-2	INSULATION, EXTERIOR WALL	VAPOR: PERMEABLE (MORE THAN 10 PERMS); THICKNESS: SEE DRAWINGS; PRODUCT: EXPANDED POLYSTYRENE; ASTM/TYPE: C578, TYPE IX;	PI	ГE	PAINT COLOR, CORAL	LRV: 69;		TA-19	НООК	MODEL: B-1658 2436;  MFR: BOBRICK;  PRODUCT: FINO COAT HOOK; FINISH: STAINLESS STEEL:			PRODUCT: XOREL; PATTERN: Meteor; COLOR: 717; CONTENT: 100% IFR Xorel®
ACCL-3	ACOUSTICAL PANEL CEILING SYSTEM	VERIFY WITH EXISTING  MFR: USG; PRODUCT: ACOUSTIC SF ACOUSTICAL PANEL; PANEL SIZE: 24" X 24" X 1";		BA DII IN:	01817, SPUN GOLD 101814, MALT 101803; ACKINTERG: CQUEST BIOX; IMENSIONS: 50CM X 50CM W/ CUSTOM SHAPES; ISTALLATION: SEE ENLARGED PLAN FOR INSTALL PATTERN;		CAVITY	COMPRESSIVE: 25 PSI MIN.; R-VALUE: 4.2 PER INCH; FACER: UNFACED; VAPOR: SEMI-PERMEABLE (MORE THAN 1, UP	TO 10 PERMS);	ΓF		MFR: BENJAMIN MOORE; COLOR: BURGUNDY ROSE; NUMBER: 1280;		TA-20		SKU: B-9542;  MFR: BOBRICK; PRODUCT: HEAVY DUTY SHOWER ROD WITH CONCEALED MOUNTING:			FINISH: NONE; BACKING: X-Protect™ Wall; WIDTH: 56"; NSTALL: USE MFR RECOMMENDED WATER-BASED ADHESIVE;
		PANEL EDGE: SEMI CONCEALED GRID (SFAR); PANEL COLOR: FLAT WHITE; NRC: 0.70; GRID MODEL: USG DX SEMI CONCEALED WITH WALL SPRING CLIPS; GRID: 15/16":	S; CPT-4···	CCARPETITLE ST	OTE: USE LOKDOTS FOR INSTALL PER MFR INSTRUCTIONS; ONTACT: MAREN BILGRIEN, maren.bilgrien@interface.com; IFRAINTERFACE: TYLE: BROOME STREET;	INSUL-3		THICKNESS: SEE DRAWINGS;  PRODUCT: POLYISO INSULATION, FLAT/TAPER ASTM/TYPE: C1289, TYPE II, CLASS 2; COMPRESSIVE: 20 PSI;	' I I	гG ГH	TERRACOTTA  PAINT COLOR, BLACK	MFR: BENJAMIN MOORE; COLOR: BAKED TERRA COTTA; NUMBER: 1202; MFR: BENJAMIN MOORE; COLOR: TO MATCH SMF-1 / SMF-2		TA-23 TA-24	HAND DRYER DIAPER-CHANGING	FINISH: STAINLESS STEEL; SKU: B-207; SEE PLUMBING SCHEDULE	WCVG-2A	WALLCOVERING	NOTE: LBC RED-LIST FREE AND C2C GOLD;  MFR: DESIGNTEX;  PRODUCT: BESPOKE SURFACE IMAGING;  MATERIAL: DW11 DNA - WALLCOVERING;
ACP-1A	ACOUSTIC PANEL	GRID COLOR: WHITE; NOTE: LBC RED-LIST FREE; MFR: BAUX;		NU BA DII	OLOR: CORAL GLASS; UMBER: 106210; ACKING: C-QUEST BIO X; IMENSIONS: 50CM X 50CM; ISTALLATION: MONOLITHIC:			R-VALUE: 5.7 PER INCH; FACER: COATED GLASS; VAPOR: SEMI-IMPERMEABLE (MORE THAN 0.1, THICKNESS (FLAT): SEE DRAWINGS; SLOPE (FIELD): 1/4" PER FOOT, UNO.:	UP TO 1 PERM);	3-1A	RUBBER BASE	MFR: JOHNSONITE; PRODUCT: BASEWORKS RUBBER SHAPE: SEE FINISH GENERAL NO THICKNESS: 2.5MM:	BASE;	1A-24	STATION	PRODUCT: CP0016HCS BabyMedi® Baby Changing Station; FINISH: Satin Stainless Steel & White; TYPE: Horizontal Surface-Mounted; SIZE: 33-7/8"W x 18-7/8"H x 3-7/8"D, 22-1/2"D WHEN OPEN;			PATTERN: ARCHITECT TO PROVIDE CUSTOM ART; WIDTH: 54 INCHES (52" MAX PRINTABLE); CONTENT: 50% VIRGIN WOOD PULP, 40% SYNTHETIC LATEX, 10% POLYESTER FIBER;
		PRODUCT: WOOD WOOL PANEL; STYLE: LINES; COLOR: HEAT RUST RED; SIZE: 1160mm x 580mm x 25mm thick; INSTALLATION: GLUE (WG1);	CPT-5	CARPET TILE MF ST	OTE: USE TAC-TILES FOR INSTALL PER MFR INSTRUCTIONS; IFR: INTERFACE; TYLE: MERCER STREET;	INSUL-4	INSULATION, EXTERIOR WALL	SLOPE (CRICKET): 1/2" PER FOOT, UNO.;  PRODUCT: MINERAL WOOL BLANKET; ASTM/TYPE: C665, TYPE I;				SIZE: 4"; COLOR: STONE COTTAGE; NOTE: CRADLE TO CRADLE, SILVI		TL-1A	CERAMIC WALL TILE		WCVG-2B	WALLCOVERING	NSTALL: USE MFR RECOMMENDED WATER-BASED ADHESIVE;  MFR: DESIGNTEX;  PRODUCT: BESPOKE SURFACE IMAGING;  MATERIAL: DW11 DNA - WALLCOVERING;
ACP-1B	ACOUSTIC PANEL	MFR: BAUX; PRODUCT: WOOD WOOL PANEL; STYLE: ARCH:		NU BA DII	OLOR: CONCRETE CIRCLE; UMBER: 105762; ACKING: C-QUEST BIO X; IMENSIONS: 50CM X 50CM; ISTALLATION: MONOLITHIC:		PARAPET	COMPRESSIVE: N/A; R-VALUE: 4.0/INCH; FACER: UNFACED; VAPOR: PERMEABLE (MORE THAN 10 PERMS); THICKNESS: SEE DRAWINGS:	R	3-1B		MFR: JOHNSONITE; PRODUCT: BASEWORKS RUBBER SHAPE: SEE FINISH GENERAL NO THICKNESS: 2.5MM; SIZE: 4":				NUMBER: 4101 V 059029; DIMENSIONS: 12" X 24"; THICKNESS: .47"; GROUT: TBD;			PATTERN: ARCHITECT TO PROVIDE CUSTOM ART;  WIDTH: 54 inches (52" MAX PRINTABLE);  CONTENT: 50% VIRGIN WOOD PULP, 40% SYNTHETIC LATEX, 10%  POLYESTER FIBER;
		COLOR: HEAT RUST RED; SIZE: 1160mm x 580mm x 25mm thick; INSTALLATION: GLUE (WG1); LAYOUT: SEE ELEVATION FOR PATTERN:	CPT-6	CARPET TILE MF	OTE: USE TAC-TILES FOR INSTALL PER MFR INSTRUCTIONS;  IFR: SHAW;  RODUCT: BOTTLE FLOOR;  TYLE: FELTED 5T455:	INSUL-5	INSULATION, EXTERIOR STOREFRONT SPANDREL	PRODUCT: FOIL-FACED MINERAL WOOL BOARD MFR: ROCKWOOL; STYLE: CURTAINROCK 40; ASTM/TYPE: C612. TYPE IVB:		3-1C	RUBBER BASE	COLOR: STORMCLOUD 71; NOTE: CRADLE TO CRADLE, SILVE MFR: JOHNSONITE; PRODUCT: BASEWORKS RUBBER	,	TL-1B		COLLECTION: CORE COLLECTION SOLIDS; PRODUCT: SHAPES; COLOR: VIVID WHITE;	WCVG-3A	WALLCOVERING - FELT	NSTALL: USE MER RECOMMENDED WATER-BASED ADHESIVE:  MFR: DESIGNTEX;  PRODUCT: WANNABE;  CONTENT: 55% POLYESTER (PRECONSUMER RECYCLED, SOLUTION
ACP-1C		MFR: BAUX; PRODUCT: WOOD WOOL PANEL; STYLE: CURVE; COLOR: HEAT RUST RED:		CC BA DII	OLOR: VELVETEEN 665; ACKING: ECOWORX; IMENSIONS: 9" X 36" LOOR INSTALLATION: ASHLAR;	INSUL-6	LOW-EXPANDING	R-VALUE: 4.2/INCH; FACER: FOIL-FACED; THICKNESS: SEE DRAWINGS; PRODUCT: LOW-EXPANDING FOAM SEALANT;				SHAPE: SEE FINISH GENERAL NO THICKNESS: 2.5MM; SIZE: 4"; COLOR: SANDSTORM CB;	TES;			NUMBER: 5102 V 059029; DIMENSIONS: 12" X 24"; THICKNESS: .47"; GROUT: TBD; INSTALL PATTERN: SEE ELEVATIONS. RANDOMIZE TL-1A AND TL-1B			DYED), 95% POLYESTER (PÓSTCONSUMER RECYCLED, SOLUTION DYED); COLOR: HINT; WIDTH: 63"; SKU: 6646-702
ACP-2A		SIZE: 1160mm x 580mm x 25mm thick; INSTALLATION: GLUE (WG1); LAYOUT: SEE ELEVATION FOR PATTERN; MER: KINETICS:		BA NC FL	/ALL INSTALLATION: USE FACTORY EDGE AS TOP OF CARPET T ASE; OTE: USE LOKDOTS FOR INSTALL PER MFR INSTRUCTIONS FOF LOORING APPLICATION, USE SHAW 3800 ADHESIVE PER MFR	TILE   NAVAGA 4	FOAM SEALANT  MILLWORK  ACCESSORY - CABINET PULL	MFR: IKEA; PRODUCT: BEGRIPA HANDLE; DESCRIPTION: HALF ROUND CABINET PULL;	RE	3-1D	RUBBER BASE	NOTE: CRADLE TO CRADLE, SILVE MFR: JOHNSONITE; PRODUCT: BASEWORKS RUBBER SHAPE: SEE FINISH GENERAL NO	BASE;	TL-2A	CERAMIC WALL TILE	LOCATIONS;  MFR: MOSA;  COLLECTION: CORE COLLECTION SOLIDS;	WCVG-3B		NSTALATION: STRAIGHT HANG, RANDOM MATCH, VERTICAL SEAMS; NOTE: USE MFR RECOMMENDED WATER-BASED ADHESIVE; MFR: DESIGNTEX:
7.01 27.	PANEL	PRODUCT NAME: HARDSIDE; THICKNESS: 1"; EDGE: RADIUS; SIZE: 4' X 10' MAX PANEL SIZE, SEE ELEV FOR DIMENSIONS;	CPT-7	CARPET TILE MF	NSTRUCTIONS FOR WALL APPLICATION;  IFR: INTERFACE;  OLLECTION: LOOK BOTH WAYS;  TYLE: STEP THIS WAY;		CABINET FOLE	Length: 5 1/8 "; Width: 2 9/16 "; Depth: 7/8 "; Drilled hole diameter: 1/4 ";				THICKNESS: 2.5MM; SIZE: 4"; COLOR: CANVAS WB; NOTE: CRADLE TO CRADLE, SILVI	,			PRODUCT: SHAPES; COLOR: VIVID WHITE; NUMBER: 5102 V 049026; DIMENSIONS: 19" X 10"; THICKNESS: 47":	WCVG-3B	FELT	PRODUCT: WANNABE; CONTENT: 5% POLYESTER (PRECONSUMER RECYCLED, SOLUTION DYED); DYED);
		MOUNTING: Z-CLIP; FABRIC SPEC:; TEXTILE BRAND: GUILFORD OF MAINE; TEXTILE NAME: FR701 2100; COLOR: QUARTZ 380;		PF FII BA	OLOR: ALBA 106323; RODUCT: 1417602500; IBER: 100% RECYCLED NYLON AQUAFIL; ACKING: C-QUEST BIO X; IMENSIONS: 50CM X 50CM:	MWA-2	MILLWORK ACCESSORY -	Hole spacing: 3 3/4 "; COLOR: WHITE;  MFR: Hafele; PRODUCT: Centerline Brackets Series:	Ri	FBD-1		PRODUCT: HIGH-DENSITY POLYIS ASTM/TYPE: C1289, TYPE II, CLAS COMPRESSIVE: 80 PSI, MIN.; R-VALUE: 2.5 TOTAL;		TL-2B	CERAMIC WALL TILE	GROUT: TBD; INSTALL PATTERN: SEE ELEVATIONS, RANDOMIZE TL-2A AND TL-2B LOCATIONS; MFR: MOSA:	}	1	COLOR: HINT;  WIDTH: 63"; SKU: 6646-702; NSTALLATION: STRAIGHT HANG, RANDOM MATCH, VERTICAL
ACP-2B	ACOUSTIC WRAPPED PANEL	MFR: KINETICS; PRODUCT NAME: HARDSIDE; THICKNESS: 1";	DMAT-1	BELOW GRADE PF	NSTALLATION: ASHLAR; OTE: USE TAC-TILES FOR INSTALL PER MFR INSTRUCTIONS; RODUCT: NON-WOVEN, GEOTEXTILE FACE MOLDED SHEET		COUNTERTOP BRACKET	SIZE: 10" D to 14" D, 2-1/2" Wide, 3/8" Thick; TYPE: Front Mounting Countertop Bracket; MATERIAL: Hand Crafted Premium Steel, in Powde MOUNT: Surface Mount in Vertical Plate at Stud Lo		-L-1A	RESILIENT FLOORING,		,	TL-2D		COLLECTION: CORE COLLECTION SOLIDS; PRODUCT: SHAPES; COLOR: COOL PORCELAIN WHITE; NUMBER: 200 V 049026:	WORGAL	WALLOOVERING	SEAMS; NOTE: USE MFR RECOMMENDED WATER-BASED ADHESIVE; MED: KOROSEAL; PRODUCT: WALLTALKERS;
		EDGE: RADIUS; SIZE: 4' X 10' MAX PANEL SIZE, SEE ELEV FOR DIMENSIONS; MOUNTING: Z-CLIP; FABRIC SPEC:; TEXTILE BRAND: MAHARAM;	DRPY-1	DRAINAGE MAT TH DRAPERY DF TY	RAINAGE MAT; HICKNESS: 1/2"; RAPERY FULLNESS: 100%; YPE: RIPPLEFOLD, 4";	MWA-3	MILLWORK ACCESSORY - TRAS BIN	MFR: RUBBERMAID; H PRODUCT: OFFICE TRASH CAN - 10 GAL.; MODEL: S-13527BE; FINISH: BEIGE;	RF	FL-1B	RESILIENT FLOORING,					DIMENSIONS: 19" X 10"; THICKNESS: .47"; GROUT: TBD; INSTALL PATTERN: SEE ELEVATIONS, RANDOMIZE TL-2A AND TL-2B	3		WIDTH: 48" COLOR: ACORN 86; NSTALL: VERTICAL SEAMS, STRAIGHT MATCH, REVERSE HANG; NSTALL: USE MFR RECOMMENDED WATER-BASED ADHESIVE;
AODO		TEXTILE NAME: METHOD; CODE: 466579; COLOR: 020 CATTAIL;		TE PF CC	INING: NONE; EXTILE MFR: CARNEGIE; RODUCT: BIJOUX 6868; OLOR: 2; /IDTH: 55";	MWA-4	MILLWORK ACCESSORY - LAZY SUSAN	DIMENSIONS: 15" L x 11" W x 20" H  MFR: ROCKLER; PRODUCT: LAZY SUSAN, EXTRA LARGE; MATERIAL: Aluminum swivel with ball-bearing cons	struction;	FMB-1	ROOFING MEMBRANE,	PRODUCT NAME: CORQUES LIQU COLOR: B343; THICKNESS: .08"; MFR: ELEVATE (FIRESTONE BUILD	,	TL-3	CERAMIC TILE	LOCATIONS;  MFR: MOSA;  COLLECTION: CORE;  PRODUCT: SOLIDS;	WD-1	CLEAR COAT	PRODUCT: SOLID WOOD TRIM AND VENEER PLYWOOD SPECIES: WHITE ASH; CUT: QUARTERED; VENEER MATCHING: REVERSE SLIP MATCH;
ACP-3		MFR: KINE HCS; PRODUCT NAME: TAD PANEL; THICKNESS: 1-1/8"; EDGE: RADIUS; SIZE: 4' X 8 MAX PANEL SIZE. SEE ELEV FOR DIMENSIONS;		CC FII TR	ONTENT: 100% FR POLYESTER; INISH: NONE; RACK MFR: SILENT GLISS; RODUCT: SG3840:	MWA-5	MILLWORK ACCESSORY -	SIZE: 23-5/8" dia. x 7/8" H (including rubber feet); CAPACITY: UP TO 660 LBS.; MFR: RICHELIEU; PRODUCT: INDUSTRIAL GREY THERMOPLASTIO	C RUBBER CASTER;			EQUAL ALTERNATE; PRODUCT: FIRESTONE ULTRAPLY THICKNESS: 60-MILS; INSTALL: FULLY-ADHERED; INSTALL: FULLY-ADHERED;	/TPO;			COLOR: VIVID WHITE; NUMBER: 5102 V 060060; DIMENSIONS: 24" X 24"; THICKNESS: .47";	WD-2	WOOD, PLYWOOD	FINISH: CLEAR, WATERBASED SEALER; PRODUCT: ASH HARDWOOD PLYWOOD, CABINET GRADE; GRADE: A/A; CUT: ROTARY;
		MOUNTING: Z-CLIP; FABRIC SPEC:; TEXTILE BRAND: GUILFORD OF MAINE; TEXTILE NAME: FR701 2100;		FI	PERATION: CORD; ITTING: CEILING OR WALL; OLOR: WHITE RAL 9016; EE RCP FOR CURVED/STRAIGHT TRACK LOCATIONS/ DIMENSIO	DNS	CASTER	MATERIAL: TPR; SIZE: 5" WHEEL DIA. OVERALL 6 5/32" H, MOUN' 5/8"; FASTENING TYPE: SWIVEL WITHOUT BREAK; CAPACITY: UP TO 298 LBS. EACH:	ITING PLATE 2 7/8" X 3			EXTERIOR FIRE TEST EXPOSURE REQUIREMENTS OF CLASS-A OR WARRANTY: 20 YEAR; NOTE: SFM-3 TO BE REFERENCEI	CLASS-B FIRE RATING;	TL-4	CERAMIC TILE BASE	GROUT: TBD;  MFR: MOSA;  COLLECTION: CORE;  PRODUCT: SOLIDS;			THICKNESS: 3/4"; SHEET SIZE: 4' X 8'; PLY: 7-PLY; FINISH: CLEAR, MATTE WATERBASED SEALER, ZERO VOC; NOTE: SEAL ALL FACES AND EDGES:
ACP-4	ACOUSTIC PANEL	GOLOR: OHARTZ 366; A A A A A A A A A A A A A A A A A A	h IFAFL-1	COATING, CLEAR PF	IFR: COVERTEC; RODUCT: STRONGSEAL PLUS; OLOR: CLEAR; HEEN: MATTE;	MWA-6	MILLWORK ACCESSORY - GROMMET	MFR: DOUG MOCKETT; PRODUCT: OVAL DESK GROMMET KING KONG; COLOR: DESERT SAND (93D);	'	FMB-2		"COATED METAL FLASHING";  MFR: ELEVATE (FIRESTONE BUILD EQUAL ALTERNATE; PRODUCT: V-FORCE AIR-VAPOR B	, , , , , , , , , , , , , , , , , , , ,			COLOR: VIVID WHITE; NUMBER: 5102V 060060; DIMENSIONS: 4" X 24"; THICKNESS: .47"; GROUT: TBD:	WD-3	WOOD, WHITE MAPLE, MATCH EXISTING	PRODUCT: SOLID WOOD TRIM AND VENEER PLYWOOD; SPECIES: MAPLE TO MATCH EXISTING; CUT: TO MATCH EXISTING; VENEER MATCHING: TO MATCH EXISTING:
ALSE-AL		SIZE: 4' X 8 MAX PANEL SIZE, SEE ELEV FOR DIMENSIONS; MOUNTING: PIN CLIP AND ADHESIVE; COLOR: POLAR; MFR:KAMINER: PRODUCT: TRIFAB VERSA GLAZE FRAMING SYSTEM;	3	AC FC SE	OC: <50/GL; DDITIVE: COVERGRIP ULTRAFINE DCOF 0.68 SLIP RESISTANCE; OR ALL NEW CONCRETE IN RESTROOMS; EE FINISHED FLOOR PLANS FOR LOCATIONS OF TOPPING; ROVIDE 4'X4' MOCK UP FOR REVIEW:	; MWA-7	MILLWORK ACCESSORY - TRIM ANGLE	SIZE: 6-1/2" X 3" X 3/8" THICK, 5-7/8" OVAL CUTC  MFR: FRY REGLET; PRODUCT: MILLWORK REVEAL L ANGLE; SKU: MWRL100; COLOR: WHITE:		ECDR-2	SIDE SECURITY COIL	THICKNESS: 30-MILS; INSTALL: SELF-ADHERING;		TL-5	CERAMIC TILE	TO MATCH EXISTING; MFR: DAL TILE; STYLE: GLAZED WALL TILE; SIZE: 6 x 6 x 1/4";	WD-4	WOOD, PAINT GRADE	PRODUCT: PAINT GRADE MDF; THICKNESS: 3/4";
2 0		MODEL: 451; GLAZING METHOD: FULLY CAPTURED; GLAZING PLANE: FRONT;	FEC-1	RECESSED FIRE MF EXTINGUISHER ST CABINET WITH CO	ROVIDE 4'X4' MOCK UP FOR REVIEW;  IFR: LARSEN;  TYLE: ARCHITECTURAL SERIES, SOLID;  OLOR: WHITE;  RIM: FLAT TRIM FULLY RECESSED:	MWA-8	MILLWORK ACCESSORY - WIRE MANAGER	COLOR: WHITE; SIZE: 1" X 1";  MFR: DOUG MOCKETT; PRODUCT: J-SHAPE UNDER DESK WIRE CABLE W/FLANGE:	E MANAGER St	HTG-1	GYPSUM SHEATHING	PATTERN: ALUMINUM CLÉAR AND MOTORIZED PRODUCT: GLASS-MAT GYPSUM S THICKNESS: 5/8" TYPICAL, UNO.;	SHEATHING;	ΤΙ Δ_1		SIZE: 6 x 6 x 1/4"; COLOR: 0170, BOMBAY; GROUT: TO MATCH EXISTING; MAPAI - #00, WHITE OR EQUAL; MFR: SCHLUTER:	WDPNL-1	WOOD-TAMBOUR	FINISH: PT-3B ON ALL SURFACES, CUTOUTS AND EDGES; NOTE: FSC CERTIFIED WOOD; WFR: SURFACING SOLUTION; PRODUCT: SOLID WOOD FLEXIBLE TAMBOUR;
ALCE O		FRAMING SIZE: 2" X 4 1/2"; FRAMING TYPE: NONTHERMAL; FINISH/COLOR: POWDER COATED WHITE; GLAZING: GL-1/1T, 1/4" TYPICAL, UNO; MED: KAWNIEED:	EFFC	M/ LE PF	IATERIAL: STEEL; ETTERING TYPE: TYPE A IN BLACK; ROVIDE CLASS A FIRE EXTINGUISHER WITH CABINET;	MWA-9	MILLWORK ACCESSORY -	W/FLANGE; SKU: WM22; COLOR: BLACK; MFR: DOUG MOCKETT; PRODUCT: DP128;	SF	HTG-2	II	NOTE: PROVIDE TYPE X WHERE F PRODUCT: EXTERIOR-GRADE PLY TYPE: CDX TYPICAL, UNO.; THICKNESS: 3/4" TYPICAL, UNO.;		. = (	THE ACCESSORY	MFR: SCHLUTER; PRODUCT: DILEX-AHK; FINISH: SATIN NICKEL ANONDIZED ALUMINUM; NUMBER: AHK 1S 125 AT; DIMENSIONS: 1/2";			PROFILE: T493; SPECIES: ASH; PANEL SIZE: SEE DRAWINGS; SLAT WIDTH: 1";
ALSF-2	STOREFRONT	PRODUCT: TRIFAB VERSA GLAZE FRAMING SYSTEM; MODEL: 451T; GLAZING METHOD: 4-SIDE CAPTURE; GLAZING PLANE: FRONT;	FEU-2	EXTINGUISHER ST CABINET WITH CC EXTIGUISHER TR	IFR: LARSEN; TYLE: ARCHITECTURAL SERIES, SOLID; OLOR: WHITE; RIM: FLAT TRIM SEMI RECESSED; IATERIAL: STEEL;	OFOI-1	CABINET PULL SECURITY GATE -	DESCRIPTION: ROUND TOP PULL; SIZE: 6-11/16"; FINISH: STAINLESS STEEL (SSS);		_R-1 _R-2	BRICK COATING, CLEAR	MFR: PROSOCO; PRODUCT: SILOXANE WB CONCE MFR: PROSOCO;	NTRATE:	TLA-2		MFR: SCHLUTER; PRODUCT: DILEX-AHKA; FINISH: SATIN NICKEL ANODIZED ALUMINUM; NUMBER: AHKA 125 AT;	WGD-1	CHAIR RAIL	THICKNESS: 1/2"; FINISH: CLEAR, WATERBASED SEALER;  MFR: R.C. MUSSON RUBBER CO.; PRODUCT: FLACKER FOR THE PROJECT MATCHES FOR
		FRAMING SIZE: 2" X 4 1/2"; FRAMING TYPE: THERMALLY BROKEN; FINISH: FLUROPON PURE BY SHERWIN WILLIAMS; COLOR: BLACK, EXTRUSION 398A1632 :	FILM-1	LE PF	ETTERING TYPE: TYPE A IN BLACK; ROVIDE CLASS A FIRE EXTINGUISHER WITH CABINET; IFR: SKYLINE DESIGN; RODUCT: FILM STUDIO;	OHDR-1	OWNER FURNISHED OWNER INSTALLED FIRE RATED	MFR: OVERHEAD DOOR; MODEL: FIRE KING 634;		MF-1	ALUMINUM SHEET METAL FLASHING AND TRIM, BLACK	PRODUCT: CONSOLIDECK LS; PRODUCT: PREFINISHED FORMEI THICKNESS: 0.040" TYP, UNO. SEE FINISH: FLUROPON PURE BY SHE	SPEC:	TLA-3		DIMENSIONS: 1/2";  MFR: SHLUTER;  PRODUCT: JOLLY EDGE TRIM;  FINISH: SATIN NICKEL ANODIZED ALUMINUM;	+		MODEL: WG-6 (VERIFY HEIGHT MATCHES EXISTING; NSTALL: CLIP ON MOUNTING SYSTEM; FINISH: MATCH EXISTING; PROVIDE BULL NOSE END CAP AT OPENINGS;
		GLAZING: IGU-1/1T TYPICAL, UNO; SYSTEM CRF: 62 FRAME 68 GLASS w/ IGU-1; SYSTEM STC:; SYSTEM R-VALUE: R-2.5 w/ IGU-1; SYSTEM LLVALUE: 0.40 w/ IGU-1;		RC CC PF PA	OLL SIZE: 58" W x 45' L; ONTENT: PVC-FREE POLYESTER FILM; RIVACY: SOLID ETCH; ATTERN: GRADIENT MID;	PNI -1	MIN  PANEL PRODUCT -	PROVIDE STEEL JAMB STRUCTURE; COLOR: WHITE; RATING: 120 MIN (PRODUCT COMES ONLY IN 4) MFR: DIAMOND LIFE GEAR;	HR);	MF-2	STAINLESS STEEL SHEET METAL	COLOR: BLACK. COIL: 438A852; NOTE: VERIFY & MATCH ALSF-2/A PRODUCT: PREFINISHED FORMEI THICKNESS: 0.025" TYP (24 GA.), U	LSF-3; D STAINLESS STEEL FLASHING; JNO. SEE SPEC;	TPTN-1	TOILET PARTITION	NUMBER: A125ATGB; DIMENSIONS: 1/2"; MFR: HADRIAN INC; PRODUCT: STAINLESS STEEL PARTITION;	WGD-2	CORNER GUARD	nttps://mussonrubber.com/product/flat-wall-guards/ MFR: INPRO; PRODUCT: CORNER GUARD; MODEL: SAS-1824H-304;
A105		SYSTEM U-VALUE: 0.40 w/ IGU-1; NOTES: SEE DRAWINGS FOR ASSOCIATED ALUMINUM SHAPES PROVIDED BY INSTALLER. SEE DRAWINGS FOR REQ'D STRUCT. DEFLECTION BY LOCATION, PROVIDE RECEPTOR HEAD AS REQ'D	FLA-1	FLOORING MF ACCESORY PF	ACKING: WATER-BASED PRESSURE-SENSITIVE ADHESIVE; IZE: SEE ELEVATION; IFR: ROPPE; RODUCT: RUBBER ACCESSORY EDGE GUARD;		METAL PEGBOARD	PRODUCT: PEGBOARD MX; MATERIAL: STEEL; COLOR: BONE WHITE; SIZE: 4' X 8';	SM	MF-3	FLASHING AND TRIM, BLACK TPO-COATED SHEET	FINISH: FLUROPON PURÈ BY SHE COLOR: BLACK. COIL: 438A852; NOTE: VERIFY & MATCH ALSF-2/A PRODUCT: RFMB-1 MFR'S TYPICA	RWIN WILLIAMS, COIL-COATED; LSF-3; L TPO-COATED FORMED			MOUNT: CEILING; FINISH: EMBOSSED STAINLESS STEEL; CONTENT: 91% (76% post-consumer and 15% pre-consumer) recycled content; HARDWARE: CONTINUOUS HINGES AND CHANNELS: COAT HOOKS			WINGS: 2"; HEIGHT: 48"; NSTALL: SCREW-ON; WATERIAL: 304 STAINLESS; FINISH: NO.4 SATIN;
ALSF-3		PRODUCT: TRIFAB VERSA GLAZE FRAMING SYSTEM; MODEL: 601T; GLAZING METHOD: 4-SIDE CAPTURE;		ST CC IN: NC	TYLE: #34 UNDERLAP CARPET EDGE 3/16"; OLOR: 174 SMOKE; NSTALLATION: RADIUS 6'-0"; OTE: LBC REDLIST FREE AND USA MADE;	PT-1_	INTERIOR LATEX, FLAT SHEEN	BACKING: BACKINGBOARD;  PRODUCT: INTERIOR LATEX PAINT; SHEEN: FLAT; TYPE: INSTITUTIONAL LOW-ODOR/VOC;			METAL FLASHING AND TRIM, WHITE	GALVANIZED STEEL SHEET META SHEET METAL: G-90 HOT-DIPPED SHEET METAL THICKNESS: 0.023" FINISH: TPO COATING;	L FLASHING; GALVANIZED STEEL;	TWF-1		HARDWARE: CONTINUOUS HINGES AND CHANNELS; COAT HOOKS, ADA LEVERS,  PRODUCT: YORK 304 SA FLASHING SYSTEM; WITH DRIP EDGE AND TERMINATION BAR; PAGE: BUTYL BASED.	WP-1 WT-1A	WATERPROOFING MEMBRANE WINDOW TREATMENT	PRODUCT: FLUID-APPLIED WATERPROOFING; VAPOR: IMPERMEABLE (LESS THAN 0.1 PERMS); MFR: MECHOSHADE (DRAPER EQUIVOLENT IS ACCEPTABLE);
		GLAZING PLANE: FRONT; FRAMING SIZE: 2" X 6"; FRAMING NOTE: MFR'S HEAVY DUTY VERTICAL PROFILES, AS DETERMINED BY MFR; FRAMING TYPE: THERMALLY BROKEN;	FS-1 GBD-1	TYPICAL TH	RODUCT: PAPER-FACED GYPSUM BOARD; HICKNESS: 5/8" TYPICAL, UNO.;			MPI SYSTEM: INT 9.2M-G1; MPI TOPCOAT: 143 X-GREEN; COLOR: SEE PT LETTER; NOTE: LBC DECLARE REDLIST FREE;				FINISH THICKNES: .032" COLOR: MATCH RFMB-1; SIZE: AS NOTED ON DRAWINGS; NOTE: CONFIGURATION AND INSTRECTS FOR WARRANTY. SEE RFI		·		BASE: BUTYL-BASED; BASE THICKNESS: 18 MIL (.018"); FINISH: 304 STAINLESS STEEL SHEET; FINISH THICKNESS: 2 MIL (.002")			PRODUCT: ECOVEIL SHEER (DRAPER: SHEERWEAVE - INFINITY 2); SYSTEM: URBANSHADE MOTORIZED SYSTEM; COLOR: EGGSHELL 1566 (DRAPER: COTTON); CONTENT: 100% TPO; WIDTH: 118";
		FINISH: FLUROPON PURE BY SHERWIN WILLIAMS; COLOR: BLACK. EXTRUSION 398A1632; GLAZING: IGU-1/1T TYPICAL, UNO; SYSTEM CRF: 69 FRAME, 70 GLASS w/ IGU-1;	GBD-2	GYPSUM BOARD, PF SHAFTLINER TH	OTE: PROVIDE TYPE X WHERE FIRE-RATED  RODUCT: PAPER-FACED GYPSUM BOARD; HICKNESS: 1" TYPICAL; OTE: PROVIDE TYPE X WHERE FIRE-RATED	PT-2_	INTERIOR LATEX, EGGSHELL SHEEN	PRODUCT: INTERIOR LATEX PAINT; SHEEN: EGGSHELL; TYPE: INSTITUTIONAL LOW-ODOR VOC; MPI SYSTEM: INT 9.2M-G3;	SS	SF-1	SOLID SURFACE -	MFR: COSENTINO; PRODUCT: SILESTONE; COLOR: FARO WHITE;	I OI EU	ГZ-1	PRECAST TERRAZZO	PRODUCT: AGGLO MAFI; SLAB SIZE: 120" x 49"; THICKNESS: 3/4"			OPENNESS: 3% NOTE: PVC-FREE, CRADLE TO CRADLE SILVER; SEE DETAILS FOR ENCLOSURE - POCKET STYLE HEAD BOX; STANDARD HEM BAR - SEALED END;
		SYSTEM STC:; SYSTEM R-VALUE: R-2.44 w/ IGU-1; SYSTEM U-VALUE: 0.41 w/ IGU-1; NOTES: SEE DRAWINGS FOR ASSOCIATED ALUMINUM SHAPES	GL-1	MONOLITHIC GLASS, PROCLEAR THE CO	RODUCT: MONOLITHIC GLASS; HICKNESS: 1/4" TYPICAL, UNO; HICKNESS AT GLSF-1: 1/2" TYPICAL, UNO; OLOR: CLEAR;	PT-3_	INTERIOR HIGH	MPI TOPCOAT: 145 X-GREEN; COLOR: SEE PT LETTER; NOTE: LBC DECLARE REDLIST FREE; PAINT FOR WOOD SUBSTRATE;	TEV DAWE	A-1	TOILET TISSUE (ROLL)		Dell Ti-	HD: :	HDHOLOTTON	PROFILE EDGE: BULLNOSE, SEE MW DRAWINGS; FINISH: HONED; NOTE: PROVIDE MFR WITH DRAWINGS AND DIMENSIONS FOR PRE-CUT PRODUCT;	WT-1B	WINDOW TREATMENT - BLACKOUT SHADE	MFR: MECHOSHADE (DRAPER EQUIVOLENT IS ACCEPTABLE); PRODUCT: CHELSEA BLACKOUT 0250 SERIES (DRAPER: MERMET FLOCKE); SYSTEM: URBANSHADE MOTORIZED SYSTEM;
AXPNL-1	MUD IN ACCESS	PROVIDED BY INSTALLER. SEE DRAWINGS FOR REQ'D STRUCTURAL DEFLECTION BY LOCATION, PROVIDE RECEPTOR HEAD AS REQ'D MFR: BAUCO ACCESS PANEL SOLUTIONS; PRODUCT NAME: BAUCO PLUS II;	GLSF-1	ALL-GLASS PF STOREFRONT HE SII	T GL-1T, PROVIDE FULLY TEMPERED SAFETY GLAZING RODUCT: ALL-GLASS STOREFRONT; EAD FITTING: 1" X 1-1/2" U-CHANNEL; ILL FITTING: 1" X 1" U-CHANNEL;		PERFORMANCE LATEX, SEMIGLOSS SHEEN, WOOD	PRODUCT: INTERIOR HIGH PERFORMANCE LA' SHEEN: SEMIGLOSS; TYPE: HIGH PERFORMANCE ARCHITECTURAL I MPI SYSTEM: INT 6.3A-G5; MPI TOPCOAT: 141 X-GREEN:	,			PRODUCT: Surface-Mounted Multi F FINISH: STAINLESS STEEL; SKU: B2840; SIZE: 5" X 4" X 16";	coll Tissue Dispenser w/ Shelf;	IUPH-1		MFR: CARNEGIE; COLLECTION: XOREL; PRODUCT: SNAP KNIT; COLOR: 6019-4; WIDTH: 55":			COLOR: SAND (DRAPER: SAHEL); CONTENT: 50% ACRYLIC, 50% POLYESTER; WIDTH: 126"; OPENNESS: OPAQUE;
BRK-1	BRICK MASONRY	SIZE: 2' X 2';  CONCEALED HARDWARE GYPSUM WALLBOARD ACCESS PANEL  MFR: ACME BRICK;  SIZE (ACTUAL): NORMAN (3-5/8"W X 2-1/4"H X 11-5/8"L);	IGU-1	FII GL M/ INSULATING GLASS MF	INISH: BRIGHT BRUSHED ANODÍZED; ELAZING: GL-1/1T, 1/2" TYPICAL, UNO; IAX GAP: 1/8", FILL JOINTS WITH SILICONE IFR: VITRO;	PT-4_	INTERIOR HIGH	MPI TOPCOAT: 141 X-GREEN; COLOR: SEE PT LETTER; NOTE: LBC DECLARE REDLIST FREE; PAINT FOR METAL SUBSTRATE;	T.A.	A-2		MFR: LACAVA; PRODUCT: TRAP COVER; FINISH: #21 BRUSHED STAINLESS SKU: RA098; SIZE: W: 4 5/8" X D: 4 3/4" X H: 11 3	,			WIDTH: 55"; CONTENT: 100% IFR XOREL; FINISH: NONE; BACKING: X-PROTECT SIT; APPLICATION: UPHOLSTERY;	WT-2	WINDOW TREATMENT - SUN SHADE	NOTE: PVC-FREE;  MFR: MECHOSHADE (DRAPER EQUIVOLENT IS ACCEPTABLE);  PRODUCT: ECOVEIL SHEER (DRAPER: SHEERWEAVE - INFINITY 2);  SYSTEM: MECHO/5 MANUAL SYSTEM;
		COLÒR: DOVÉ GRAY, PEPÒ30; TEXTURE: SMOOTH; MORTAR: N; NOTE: CAVITY SPACE AND BOND TYPE VARY BY WALL TYPE;		UNIT, CLEAR PF UN EX SF	RODUCT: LOW-E-COATED, CLEAR INSULATING GLASS; NIT THICKNESS: 1"; XTERIOR LITE: 1/4" CLEAR; PACER: 1/2" WARM EDGE, BLACK;		PERFORMANCE LATEX, SEMIGLOSS SHEEN, METAL	SHEEN: SEMIGLOSS; TYPE: HIGH PERFORMANCE ARCHITECTURAL I MPI SYSTEM: INT 5.3M-G5; MPI TOPCOAT: 141 X-GREEN; COLOR: SEE PT LETTER:	LATEX;	<b>\-</b> 8	COMBINATION TOWEL (FOLDED) DISPENSER / WASTE	SERIES: CLASSIC SERIES; PRODUCT: Recessed Paper Towel [	Dispenser/Waste Receptacle;	UPH-2	UPHOLSTERY	MFR: MAHARAM; PRODUCT: COMPOUND; COLOR: 002 MIRAGE; CONTENT: 100% POLYESTER;			COLOR: EGGSHELL 1566 (DRAPER: COTTON); CONTENT: 100% TPO; WIDTH: 118"; COPENNESS: 3%
CFIN-1	POLISHED CONCRETE FINISH	GRADE: FBX PRODUCT: RETRO PLATE POLISHED CONCRETE FLOORING SYSTEM CLASS: B; SHEEN: LEVEL 2, SATIN;	M;	FII IN CC VL	ILL CONTENT: AIR; NTERIOR LITE: 1/4" CLEAR; OATING: SOLARBAN 70, #2 SURFACE; LT: 64%;	PT-5	EXTERIOR LIGHT INDUSTRIAL COATING SEMIGLOS	NOTE: LBC DECLARE REDLIST FREE;  PAINT FOR METAL SUBSTRATE; SHEEN: SEMIGLOSS;		A-11	LIQUID-SOAP DISPENSER	FINISH: SATIN FINISH STAINLESS SKU: B-3803 + 368-60 INTERCHANG SEE PLUMBING SCHEDULE	· · · · · · · · · · · · · · · · · · ·	VB-1	MEMBRANE, UNDER	PRODUCT: SHEET VAPOR RETARDER; ASTM E1745: CLASS A;	WT-3	WINDOW TREATMENT - BLACKOUT SHADE	PRODUCT: MERMET FLOCKE; SYSTEM: CORDLESS FLEXSHADE;
		GRIT: 400; FOR ALL NEW CONCRETE USE ABOVE; FOR EXISTING FLOORS:; USE CTS RAPID SET TRU PC POLISHED CONCRETE TOPPING PRIOR	R		HGC: 0.27; -FACTOR WINTER: 0.28;		COATING, SEMIGLOS SHEEN, METAL	SS TYPE: WATER-BASED COATING OVER GALVAN MPI SYSTEM: EXT 5.3J-G5; MPI TOPCOAT: 163; COLOR: SEE PT LETTER;	TA	A-12		MFR: BOBRICK; PRODUCT: STRAIGHT GRAB BAR; FINISH: STAINLESS STEEL; TUBE SIZE: 1-1/2";			- w 14		_		MOUNTING: VERTICAL MOUNT AT TOP DOOR RAIL ABOVE GLASS; HARDWARE: SMALL EXPOSED FLAT HEM BAR, INCLUDE HEM BAR HOLD DOWNS FOR DOOR INSTALL - WHITE; HARDWARE FINISH: WHITE;
		TO POLISHING. SEE FINISHED FLOOR PLANS FOR LOCATIONS OF TOPPING PROVIDE 4'X4' MOCK UP FOR REVIEW							TA	A-14	SANITARY-NAPKIN DISPOSAL UNIT	GAUGE: 14;  MFR: BOBRICK;  PRODUCT: SURFACE-MOUNTED S FINISH: STAINLESS STEEL;	SANITARY NAPKIN DISPOSAL;						COLOR: SAHEL, FACING INTO ROOM; SHADE FABRIC: WIDTH: 94.5"; ACTUAL WIDTH: SEE ELEV. DPENNESS: OPAQUE; NOTE: PVC-FREE;
												SKU: B-35139;							10.L.1 VOTINEL,

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# ublic

I hereby certify that this plan, specification or report was prepared

by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Arkansas.



Date <u>1/18/2023</u> License No <u>10100</u>

BID SET - ADDENDUM 3

ISSUE / REVISION

Print Name Matthew Kruntorad

Mark Date Description

10/28/2022 LARGE SCALE DEVELOPMENT SUBMITTAL 10/28/2022 LARGE SCALE DEVELOPMENT 11/14/2022 SECOND LSD SUBMITTA 11/28/2022 THIRD LSD SUBMITTAL 12/21/2022 PERMIT SET 1/6/2022 BID SET 1 1/18/2023 BID SET - ADDENDUM 1 Date 7 BID SET - ADDENDUM 3

SHEET INDEX, MATERIAL IDS AND SYMBOLS

	for additional	quality cont	rol/quality assurance requirements.	Verification & Inspection  CJP welds (Risk Cat. II)	C
<ul> <li>applicable building authorities</li> <li>4. Special Inspections are not</li> <li>5. Special Inspections shall be presented in the present of the pr</li></ul>	s. : <b>the respons</b> paid for direct	sibility of the ly by the Co	additional Special Inspection requirements with the Owner and  e Structural Engineer of Record.  nstruction Manager.		
6. Copies of all Special Inspecti	ons Reports	shall be ema	uiled to the SEOR Brianna L. Ovuoba, Ph.D., P.E., ays of completing the individual inspection(s).	CJP welds (Risk Cat. III or IV)	
	S	TRUC	TURAL STEEL		L
			, 1705.11.1 & 1705.12.1)	Access holes (flange >2" for rolled shapes, web >2" for	
PRIOR TO WEL			4-1, AISC 360-10; TABLE J6-1, AISC 341-10)	built-up shapes) Welded joints subject to fatigue	+
Verification & Inspection Verify welding procedures (WPS)	Continuous	Periodic	Detailed Instructions	Document all nondestructive testing	T
and manufacturer certifications for welding consumable available	X			k-area	
Verify type and grade of material.		Χ	For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.		
Welder identification		Х	A system shall be maintained by which a welder who has welded a joint or member can be identified. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	CJP groove welds (all components of seismic force	$\perp$
Fit-up groove welds		X	Verify joint preparation, dimensions, cleanliness, tacking, and backing. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	resisting system)	
Access holes		Х	Verify configuration and finish. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Base metal (>1 1/2")	$\downarrow$
Fit-up of fillet welds		Х	Verify dimensions, cleanliness, and tacking. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.		
Check welding equipment		X			
Verification & Inspection	Continuous	Periodic	-2, AISC 360-10; TABLE J6-2, AISC 341-10)  Detailed Instructions	Beam Cope and Access Holes (flange >1 1/2" for rolled shapes,	
Use of qualified welders		Х	Verify that welders are appropriately qualified. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	web thickness >1 1/2" for built-up sections)  Reduced beam section repair	_
Control and handling of welding consumables		X	Verify packaging and exposure control. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10		
Cracked tack welds		X	Section J5.1.  Verify welding does not occur over cracked tack welds. For components of seismic force resisting system, perform on a random, daily basis per	Weld tab removal sites	+
Environmental conditions			AISC 341-10 Section J5.1.  Verify wind speed within limits, precipitation and temperature. For		
WPS followed		X	components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.  Verify settings on welding equipment, travel speed, welding materials,		
WF3 lollowed		Х	shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10	STEEL CONSTI	⊥ R
Welding techniques			Section J5.1.  Verify interpass and final cleaning, each pass within profile limitations,	STEE	<u> </u>
AFTED WELD		X	and quality of each pass. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Verification & Inspection  Material verification of	C
Verification & Inspection	Continuous	Periodic	3, AISC 360-10; TABLE J6-3, AISC 341-10)  Detailed Instructions	cold-formed steel deck	_
Welds cleaned		Х	Verify welds properly cleaned. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Floor and roof deck welds	
Size, length, and location of welds	Х			COLD-FORMED ST Verification & Inspection	E
Welds meet visual acceptance criteria	Х		Verify crack prohibition, weld/base metal fusion, crater cross section, weld profiles, weld size, undercut, and porosity meet visual acceptance	Trusses spanning > 60-feet	
			criteria.	Welding in wind-force-resisting	$\dagger$
Arc strikes k-area	X			systems or seismic-force-resisting systems	L
Backing & weld tabs removed and finished, and fillet welds added (if required)	X			OTHER STEEL INSF	
Repair activities  Document acceptance or	X			Verification & Inspection Structural steel details (fabricated	C
rejection of welded joint/member Placement of reinforcing or	X			steel or steel frames)	
contouring fillet welds	X		Only required in components of seismic force resisting system.		
PI Verification & Inspection	Continuous	Periodic	G (TABLE N5.6-1, AISC 360-10)  Detailed Instructions	Anchor rods and other embedments supporting	
Manufacturer's certifications Fasteners marked	X		Verify certifications available for fastener materials.  Verify marked in accordance with ASTM requirements. For components	structural steel	
Facebook of the state of the st		X	of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Reduced beam sections (RBS)	
Fastener selection		х	Verify proper selection for joint detail including grade, type, and bolt length if threads excluded from shear plane. For components of seismic force resisting system, perform on a random, daily basis per AISC	Protected zones	_
Bolting procedure			341-10 Section J5.1.  Verify proper bolting procedure selected for joint detail. For components	H-piles	_
Connecting surfaces		X	of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.  Verify connecting elements, including the appropriate faying surface	CAS	57
Somecting surfaces		X	condition and hole preparation, if specified, meet applicable requirements. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Verification & Inspection Observe drilling operations and	С
Pre-installation verification testing by installation personnel	X		Observe and document for fastener assemblies and methods used.	reporting  Verify placement locations &	+
Fastener storage		Х	Verify proper storage provided for bolts, nuts, washers, and other fastener components. For components of seismic force resisting system,	plumbness, confirm element diameters, lengths, embedment and adequate end-bearing	
	URING B	OLTING	perform on a random, daily basis per AISC 341-10 Section J5.1.  (TABLE N5.6-2, AISC 360-10)	capacity. Record concrete or grout volumes.	
Verification & Inspection Position of fasteners	Continuous	Periodic	Detailed Instructions	Perform additional inspections for concrete elements.	+
rosition of lasteriers		X	Verify fastener assemblies, of suitable condition, are placed in all holes and washers, if required, are positioned as required. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	contracte disments.	
Joint brought into snug-tight condition prior to the		Х	For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.		
oretensioning operation  Fastener components not turned by the wrench are prevented		X	For components of seismic force resisting system, perform on a random,		
from rotating Pretensioning of fasteners			daily basis per AISC 341-10 Section J5.1.  Fasteners are pretensioned in accordance with the RCSC specification, progressing systematically from the most rigid point toward the free		
		X	edges. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.		
	AFTER B	OLTING (	TABLE N5.6-3, AISC 360-10)		
	Continuous	Pariadia	Detailed Instructions		
Verification & Inspection  Document acceptance or rejection of bolted connections	Continuous X	Periodic	Detailed Instructions		

	SP	ECIAI	L INSPECTIONS		STRUCTURAL STEEL (CONT.)						
Special Inspections shall be not	erformed in	accordance	e with Section 1705 of 2012 IBC. An independent testing agency shall be	<u> </u>	•		, 1705.11.1 & 1705.12.2)	(IBC 1			
employed to provide Special I	nspections	during const	truction on the types of work listed under Section 1705. The following	NONDESTRUCTIVE			ON N5.5, AISC 360-10; SECTION J2, AISC 341-10)	Verification & Inspection Reinforcing steel, including	Co		
<ol> <li>Construction Manager/Contraction applicable building authorities.</li> <li>Special Inspections are not a special Inspections shall be particular.</li> </ol>	or additiona ctor shall co the respon aid for direc	I quality con cordinate and sibility of the tly by the Co	ntrol/quality assurance requirements. y additional Special Inspection requirements with the Owner and he Structural Engineer of Record. onstruction Manager.	Verification & Inspection CJP welds (Risk Cat. II)	Continuous	Periodic X	Detailed Instructions  Ultrasonic testing shall be performed on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading in materials 5/16-inch thick or greater. Testing rate must be increased if >5% of welds tested have unacceptable defects. See AISC 360-10 Section N5.5f for increase requirements.	prestressing tendons			
	nin seven (7	<sup>7</sup> ) calendar d	dailed to the SEOR Brianna L. Ovuoba, Ph.D., P.E., days of completing the individual inspection(s).	CJP welds (Risk Cat. III or IV)	Х		Ultrasonic testing shall be performed on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16-inch thick or greater. See AISC 360-10 Section N5.5e for reduction in rate of ultrasonic testing.	- Cast-in bolts & embeds			
			TURAL STEEL	Access holes (flange >2" for rolled shapes, web >2" for	X		Verify no cracks present per AISC 360-10 Section N5.5c.	Post-installed anchors or dowels			
PRIOR TO WELL			1, 1705.11.1 & 1705.12.1) .4-1, AISC 360-10; TABLE J6-1, AISC 341-10)	built-up shapes)			Verily no cracks present per Aloc 300-10 dection No.30.	-			
Verification & Inspection	Continuous		• • • • • • • • • • • • • • • • • • • •	Welded joints subject to fatigue Document all nondestructive	X		Verify record indicates basis of rejection and location of defect for all	Use of required mix design			
Verify welding procedures (WPS) and manufacturer certifications for welding consumable available	Х			testing k-area	^		rejected welds.  For components of seismic force resisting system: Perform magnetic particle testing for cracks where welding of doubler plates, continuity	Concrete sampling for strength tests, slump, air content, and			
Verify type and grade of material.		Х	For components of seismic force resisting system, perform on a rand daily basis per AISC 341-10 Section J5.1.		X		plates, or stiffeners has been performed in the k-area. Testing area shall include the k-area base metal within 3 inches of weld. Inspection shall	temperature			
Welder identification		x	A system shall be maintained by which a welder who has welded a jo or member can be identified. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J	CJP groove welds (all			be performed no sooner than 48 hours following completion of welding.  Ultrasonic testing shall be performed on 100% of CJP groove welds in materials 5/16-inch thick or greater. Magnetic particle testing shall be	Concrete & shotcrete placement			
Fit-up groove welds		Х	Verify joint preparation, dimensions, cleanliness, tacking, and backing For components of seismic force resisting system, perform on a rand daily basis per AISC 341-10 Section J5.1.	resisting system)	Х		performed on 25% of all beam-to-column CJP groove welds. See AWS D1.1/D1.1M Table 6.2 for acceptance/rejection criteria. See Sections J6-2g and J6-2h in AISC 341-10 for potential reduction in the rate of magnetic particle and ultrasonic testing.	Curing temperature and techniques			
Access holes		Х	Verify configuration and finish. For components of seismic force resis system, perform on a random, daily basis per AISC 341-10 Section J	5.1. Base metal (>1 1/2")			For components of seismic force resisting system: Ultrasonic testing for discontinuities shall be performed, after joint completion, behind and	1			
Fit-up of fillet welds  Check welding equipment		X	Verify dimensions, cleanliness, and tacking. For components of seisn force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	11C	X		adjacent to fusion line of CJP groove welds where base metal (>1 1/2") is loaded in tension in through-thickness direction in T- and corner joints and the connection material is >3/4" thick. See AWS D1.1/D1.1M Table 6.2 for acceptance/ rejection criteria.				
	•		4-2, AISC 360-10; TABLE J6-2, AISC 341-10)	Beam Cope and Access Holes				Pre-stressed concrete			
Verification & Inspection Use of qualified welders	Continuous	Periodic X	Detailed Instructions  Verify that welders are appropriately qualified. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	(flange >1 1/2" for rolled shapes, web thickness >1 1/2" for built-up sections)  Reduced beam section repair	X		For components of seismic force resisting system: Magnetic particle testing or penetrant testing shall be performed.  For components of seismic force resisting system: Magnetic particle	Erection of precast concrete			
Control and handling of welding consumables		Х	Verify packaging and exposure control. For components of seismic for resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	rce	X		testing shall be performed on any weld and adjacent area of the reduced beam section cut surface that has been repaired by welding, or on the base metal of the reduced beam section cut surface if sharp notch has been removed by grinding.	Strength verification			
Cracked tack welds		×	Verify welding does not occur over cracked tack welds. For compone of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.				For components of seismic force resisting system: Magnetic particle testing shall be performed on same beam-to-column joints receiving ultrasonic testing under the CJP groove welds for components of	- Formwork			
Environmental conditions  WPS followed		Х	Verify wind speed within limits, precipitation and temperature. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.  Verify settings on welding equipment, travel speed, welding materials		X		seismic force resisting system listed in this table. See Section J6-2f and Section J6-2b of AISC 341-10 for reference. See Sections J6-2g and J6-2h in AISC 341-10 for potential reduction in the rate of magnetic particle and ultrasonic testing.	Reinforcement complying with ASTM A 615 in special moment frames, special structural walls and coupling beams			
		x	shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.		RUCTI		THER THAN STRUCTURAL STEEL BC 1705.2.2)	Limits on water added at the truck or pump  Proper placement techniques to			
Welding techniques		Х	Verify interpass and final cleaning, each pass within profile limitations and quality of each pass. For components of seismic force resisting	SIE		AND FLO	OR DECKS (IBC TABLE 1705.2.2)	limit segregation			
AFTER WELDI	NG (TAE	<u> </u>	system, perform on a random, daily basis per AISC 341-10 Section J3, AISC 360-10; TABLE J6-3, AISC 341-10)	Material verification of	Continuous	Periodic x	Detailed Instructions  Verify identification markings conform to ASTM standards specified on	<del> </del>	INS		
Verification & Inspection	Continuous	1	Detailed Instructions	cold-formed steel deck Floor and roof deck welds		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	construction documents. Verify manufacturer's certified test reports.  Verify weld meets acceptance criteria of AWS D1.3. Verify welder	-			
Welds cleaned		X	Verify welds properly cleaned. For components of seismic force resis system, perform on a random, daily basis per AISC 341-10 Section J	5 1 <b>    </b>		ICTDUOT	qualifications.	Verification & Inspection Verify fabricator maintains	Co		
Size, length, and location of welds	Х			Verification & Inspection	Continuous	Periodic	TION (IBC 1705.2.2.1.1, 1705.10.2, and 1705.11.3)  Detailed Instructions	detailed fabrication and quality control procedures			
Welds meet visual acceptance criteria	Х		Verify crack prohibition, weld/base metal fusion, crater cross section, weld profiles, weld size, undercut, and porosity meet visual acceptance.	Trusses spanning > 60-feet		X	Verify temporary and permanent truss bracing is installed in accordance with approved truss package.	Review procedures for completeness and adequacy			
Arc strikes	X		criteria.	Welding in wind-force-resisting systems or seismic-force-resisting systems		Х	Verify proper screw attachment, bolting, anchoring and other fastening of shear walls, diaphragms, drag struts, braces, shear panels and holdowns. See IBC 1705.10.2 for exceptions.	relative to the Code requirements for the fabricator's scope of work			
k-area Backing & weld tabs removed	X			1	PECTIONS	S (SECTION	ON N5.7, AISC 360-10; Tables J8-1 & J10-1, AISC	Submittal of certificate of compliance			
and finished, and fillet welds added (if required)	X						341-10)				
Repair activities  Document acceptance or	X			Verification & Inspection Structural steel details (fabricated	Continuous	Periodic	Detailed Instructions  Verify compliance with the details in construction documents in items	-			
rejection of welded joint/member Placement of reinforcing or	X			steel or steel frames)		X	including: braces, stiffeners, member locations, and proper application of joint details at each connection. For components of seismic force		,		
contouring fillet welds	X		Only required in components of seismic force resisting system.	_			resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Verification & Inspection  Verify subgrade is adequate to	Co		
	Continuous		G (TABLE N5.6-1, AISC 360-10)  Detailed Instructions	Anchor rods and other embedments supporting			Verify compliance with construction documents. Verify diameter, grade, type, length of anchor rod or embedded item, and extent or depth of	achieve design bearing capacity  Verify excavations extend to			
Manufacturer's certifications Fasteners marked	X		Verify certifications available for fastener materials.  Verify marked in accordance with ASTM requirements. For component	structural steel		X	embedment prior to placement of concrete. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	proper depth and material  Verify subgrade has been			
Fastener selection		X	of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.  Verify proper selection for joint detail including grade, type, and bolt	Reduced beam sections (RBS)	Х		For seismic force resisting system components: Verify contour and finish as well as dimensional tolerances.	appropriately prepared prior to placing compacted fill  Perform classification and testing	7		
		X	length if threads excluded from shear plane. For components of seisr force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Protected zones  H-piles	X		For seismic force resisting system components: Verify that no holes or unapproved attachments are made within the protected zone.  For seismic force resisting system components: Verify that no holes or	of compacted fill materials  Verify proper materials, densities	3		
Bolting procedure		Х	Verify proper bolting procedure selected for joint detail. For compone of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.				unapproved attachments occur within the protected zones of piling.  EDEEP FOUNDATIONS	and lift thicknesses			
Connecting surfaces		X	Verify connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements. For components of seismic force resisting system, perform on a random, daily basis per AISC 341-10 Section J5.1.	Verification & Inspection  Observe drilling operations and	Continuous	Periodic	IBC 1705.8)  Detailed Instructions				
Pre-installation verification testing	X		Observe and document for fastener assemblies and methods used.	reporting	X		Maintain complete and accurate records for each element.	_			
by installation personnel  Fastener storage		X	Verify proper storage provided for bolts, nuts, washers, and other fastener components. For components of seismic force resisting syst perform on a random, daily basis per AISC 341-10 Section J5.1.	Verify placement locations & plumbness, confirm element diameters, lengths, embedment and adequate end-bearing	X						

----- Concrete per IBC 1705.3.

	CONC	RETE	CONSTRUCTION
(IBC 1			TABLES J9-2 & J9-3, AISC 341-10)
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Reinforcing steel, including prestressing tendons		X	Verify, prior to placing concrete, reinforcing is of specified type, grade and size; free of oil, dirt and rust; located and spaced properly; hooks, bends, ties, stirrups and supplemental reinforcement placed correctly; lap lengths, stagger and offsets provided; and all mechanical connections installed per the manufacturer's instructions and/or evaluation report.
Cast-in bolts & embeds		Х	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used. See IBC 1908.5 for load increase limitations. See IBC 1909.1 for strength design requirements. See ACI 318: 8.1.3 for anchor design requirements.
Post-installed anchors or dowels		Х	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report. See ACI 318: 3.8.6 and 8.1.3 for ancho design requirements. See IBC 1909.1 for strength design requirements.
Use of required mix design		Х	Verify mixes comply with the approved construction documents; ACI 318: Ch. 4, 5.2-5.4; and IBC 1904.2, 1910.2, 1910.3.
Concrete sampling for strength tests, slump, air content, and temperature	×		Perform slump and air content tests and determine concrete temperature at the time fresh concrete is sampled for strength tests. Verify all sampling in accordance with ASTM C172 and ASTM C31. See ACI 318: 5.6 for evaluation and acceptance of concrete. See ACI 318: 5.8 for mixing requirements of concrete. See IBC 1910.10 for shotcrete.
Concrete & shotcrete placement	Х		Verify proper application techniques. See ACI 318: 5.9 for concrete conveying requirements and ACI 318: 5.10 for depositing requirements. See IBC 1910.6-8 for shotcrete rebound, joint, and damage requirements.
Curing temperature and techniques		Х	Verify concrete surface temperature (other than high-early-strength) is kept >50°F in moist condition for at least 7 days after placement unless accelerated curing in accordance with ACI 318: 5.11.3 is used. High-early-strength concrete shall be kept >50°F in moist condition for a least 3 days unless accelerated curing in accordance with ACI 318: 5.11.3 is used. See IBC 1910.9 for curing of shotcrete requirements. Verify compliance with cold weather requirements in ACI 318: 5.12 or hot weather requirements in ACI 318: 5.13, whichever is applicable.
Pre-stressed concrete	Х		Verify application and measurement of prestressing force in accordance with ACI 318: 18.20 and grouting of bonded prestressing tendons in accordance with ACI 318: 18.18.4.
Erection of precast concrete		Х	Verify all precast elements are lifted, assembled and braced in accordance with the approved construction documents. See ACI 318: Ch. 16.
Strength verification		Х	Verify adequate strength has been achieved prior to the removal of shores and forms or the stressing of post-tensioned tendons. See ACI 318: 6.2
Formwork		Х	Verify forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents. See ACI 318: 6.1.1.
Reinforcement complying with ASTM A 615 in special moment frames, special structural walls and coupling beams		Х	Verify ASTM A 615 reinforcing steel used in these areas complies with ACI 318: 21.1.5.2 by means of certified mill test reports. If this reinforcing steel is to be welded, chemical tests shall be performed in accordance with ACI 318: 3.5.2.
Limits on water added at the truck or pump		Х	Verify during concrete placement. Applicable to composite construction in seismic force resisting system components. Perform on a random, daily basis per AISC 341-10 Section J5.1. See Table J9-2, AISC 341-10
Proper placement techniques to limit segregation		X	Verify during concrete placement. Applicable to composite construction in seismic for resisting system components. Perform on a random, daily basis per AISC 341-10 Section J5.1. See Table J9-2, AISC 341-10.
I	NSPEC		OF FABRICATORS IBC 1704.2)
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Verify fabricator maintains detailed fabrication and quality control procedures		X	See IBC 1704.2.5.1.
Review procedures for completeness and adequacy relative to the Code requirements for the fabricator's scope of work		Х	See IBC 1704.2.5.1.
Submittal of certificate of compliance		Х	Where work is done on premises of "Approved" fabricator. Fabricator shall submit a Certificate of Compliance to the building official stating work was performed in accordance with the approved construction

Prior to placement of compacted fill or concrete; per Geotechnical

All materials shall be checked at each lift for proper classifications and gradations not less than once for each 10,000 sqft. of surface area

During placement and compaction on compacted fill; per Geotechnical Report

Prior to placement of compacted fill; per Geotechnical Report

documents. See IBC 1704.2.5.2.

X Prior to placement of concrete; per Geotechnical Report.

unless otherwise noted; per Geotechnical Report

SOILS CONSTRUCTION

(IBC 1705.6)

Continuous Periodic Detailed Instructions

		(I	BC 1705.4)
PRIOR TO	CONSTR		(ARTICLE 1.5, TMS-602/ACI 530.1-11)
	Continuous	Periodic	Detailed Instructions
Review material certificates, mix designs, test results and construction procedures		х	Verify materials conform to requirements of approved construction documents. Mix design, test results, material certificates, and construction procedures submitted for review. Mortar mix designs conform to ASTM C 270; grout conforms to ASTM C 476. Material certificates provided for: reinforcement; anchors, ties, fasteners, an metal accessories; masonry units; mortar and grout materials. Construction procedures for cold-weather or hot-weather construction reviewed.
AS CONSTRUCTIO	N BEGIN	IS (TABL	E 1.19.2 & TABLE 1.19.3, TMS-402/ACI 530-11)
	Continuous	Periodic	Detailed Instructions
Proportions of site-prepared mortar		х	Verify mortar is type and color specified on construction documents, conforms to ASTM C 270, and is mixed in accordance with Article 2 of TMS-602/ACI 530.1-11.
Construction of mortar joints		X	Verify mortar joints comply with Article 3.3 B of TMS-602/ACI 530.1-
Grade and size of prestressing tendons and anchorages		Х	Verify prestressing tendons comply with Article 2.4 B of TMS-602/A0530.1-11 and anchorages, couplers, and end blocks comply with Art 2.4 H.
Location of reinforcement, connectors, and prestressing tendons and anchorages		Х	Verify reinforcement is placed in accordance with Article 3.4 of TMS-602/ACI 530.1-11. Prestressing tendons placed per Article 3.6
Prestressing technique		X	Verify prestressing technique complies with Article 3.6 B of TMS-602/ACI 530.1-11.
Properties of thin-bed mortar for AAC masonry		Х	Verify mortar complies with Article 2.1 C of TMS-602/ACI 530.1-11. Continuous inspection required for first 5000 sqft. of AAC masonry. Periodic inspection required thereafter.
DURING MASONRY CO	ONSTRU	CTION (T	ABLE 1.19.2 & TABLE 1.19.3, TMS 402/ACI 530-1
<del></del>	Continuous	Periodic	Detailed Instructions
Size and location of structural elements		Х	Verify locations of structural elements comply with approved plans. Confirm tolerances meet the requirements of Article 3.3 F of TMS 602/ACI 530.1-11.
Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.		x	Verify anchorages and connections are provided per approved plans Section 1.16.4.3 and 1.17.1 of TMS 402/ACI 530-11. Continuous inspection required for Risk Category IV buildings.
Welding of reinforcement	Х		Verify welded splice has bars butted and welded to develop at least 125% of yield strength of bar in tension or compression. See Section 2.1.7.7.2, 3.3.3.4(c), and 8.3.3.4(b) of TMS 402/530-11.
Preparation, construction, and protection of masonry during cold weather (<40°F) or hot weather (>90°F).		Х	Verify cold-weather construction performed in accordance with Articl 1.8 C of TMS 602/ACI 530.1-11 and hot weather construction per Ar 1.8 D of TMS 602/ACI 530.1-11.
Application and measurement of prestressing force	Х		Verify compliance with Aricle 3.6 B of TMS 602/ACI 530.1-11.
Placement of grout and prestressing grout for bonded tendons is in compliance	Х		Verify placement of grout in compliance with Article 3.5 of TMS 602/530.1-11 and grout for bonded tendons in compliance with Article 3. of TMS 602/ACI 530.1-11.
Placement of AAC masonry units and construction of thin-bed mortar joints		Х	Verify mortar is placed in accordance with Article 3.3 B.8 of TMS-602/ACI 530.1-11. Continuous inspection is required for first 5000sqft. of AAC masonry. Periodic inspection required thereafter.
Observation of preparation of grout specimens, mortar		X	Confirm specimen/prism preparation performed as required by Articl 1.4 of TMS-602/ACI 530.1-11. Continuous inspection is required for
specimens, and/or prisms  Placement of masonry unit and construction of mortar joints		X	Category IV buildings.  Verify placement in accordance with Article 3.3 B of TMS 602/ACI 530.1-11.
Properties of thin-bed mortar for AAC masonry	Х		Verify thin-bed mortar complies with Article 2.1 C.1 of TMS 602/ACI 530.1-11.
PRIOR TO GRO	OUTING (	TABLE 1.	19.2 & TABLE 1.19.3, TMS-402/ACI 530-11)
Verification & Inspection	Continuous	Periodic	Detailed Instructions
Grout space		X	Verify grout space is free of mortar droppings, debris, loose aggregated and other deleterious materials and cleanouts are provided per Artic 3.2 D and 3.2 F of TMS-602/ACI 530.1-11. Continuous inspection is required for Risk Category IV buildings.
Grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages		X	Verify reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors comply with the approved construction documents, Section 1.16 of TMS 402/ACI 530-11, and Articles 2.4 and 3.4 of TM 602/ACI 530.1-11.
Placement of reinforcement, connectors, and prestressing tendons and anchorages		X	Verify reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors are installed in accordance with the approved construction documents, Section 1.16 of TMS 402/ACI 530-11, and Articles 3.2 E, 3.4, and 3.6 A of TMS 602/ACI 530.1-11. Continuous inspection is required for Risk Category IV buildings.
Proportions of site-prepared grout and prestressing grout for bonded tendons		х	Verify grout is proportioned per ASTM C 476 and has a slump betwee 8-11 inches. Self-consolidated grout shall not be proportioned onsite See Article 2.6 B of TMB 602/ACI 530.1-11. Verify prestressing group complies with Article 2.4 G.1.b of TMS 602/ACI 530.1-11.
Construction of mortar joints		Х	Verify mortar joints are placed in accordance with Article 3.3 B of TN 602/ACI 530.1-11.
	STING (TA	ABLE 1.1	9.2 & TABLE 1.19.3, TMS 402/ACI 530-11)
MINIMUM TES	Continuous	Periodic	Detailed Instructions  Compressive strength tests should be performed in accordance with
Verification & Inspection Verification of slump flow and		X	ASTM C 1019; slump flow and VSI performed in accordance with As
Verification & Inspection		X	C 1611.  Determine compressive strength for each wythe by "unit strength
Verification & Inspection Verification of slump flow and Visual Stability Index (VSI) for self-consolidating grout		X	

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# ublic





**BID SET** 

**ISSUE / REVISION** 

01/06/2023 BID SET 2 03/24/2023 ASI-01

12/10/2021 SCHEMATIC DESIGN PRICING 06/22/2022 DESIGN DEVELOPMENT PRICING 10/24/2022 60% CD PRICING 12/21/2022 PERMIT SET

Drawing 2021 Copyright Meyer, Scherer & Rockcastle, Ltd.

REQUIRED IBC SPECIAL INSPECTIONS

### **CONSTRUCTION SAFETY GENERAL NOTE**

THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

### **Drilled Pier General Notes 2200:**

- 1. Drilled pier construction shall conform to the "Specification for the Construction of Drilled Piers" (ACI 336).
- 2. Drilled pier concrete shall develop a 28-day minimum compressive strength of 4,000 psi. This concrete shall have a designed slump of 6" ± 1" and utilize a water-reducing admixture or a high range water reducing admixture.
- 3. Reinforcing steel shall be deformed bars conforming to ASTM A615, grade 60.
- 4. When steel casing is required, the casing shall conform to ASTM A283, grade C or ASTM A36.
- 5. Drilled piers have been designed using an allowable end bearing capacity of 35,000 psf. Drilled piers shall bear in hard limestone. See Soils Report No. 21-1-5-188 dated Dec. 14, 2021 by GTS, Inc.
- 6. Bottom of drilled piers shall bear in hard limestone as called for in the Typical Drilled Pier Detail 5/S1.1. Depth of penetration into the hard limestone shall be as called for in the Typical Drilled Pier Detail 5/S1.1.
- Bottom of drilled pier elevations are estimated from boring logs to extend from 17 ft to 21 ft for bid purposes. Final elevations shall be determined by the contractor's testing laboratory to provide the bearing capacity on the bearing material noted above and the minimum penetration noted in the Typical Pier Detail 5/S1.1. All pier bottoms shall be inspected by the Geotechnical Engineer.
- 8. Temporary casing of piers is anticipated to prevent soil from sloughing off into excavation. Dewatering of excavation may be required before placing of concrete.
- 9. If excessive ground water is encountered, use tremie tube to place concrete for drilled pier. Withdraw casing only as excavation is filled with concrete. Maintain adequate head of concrete to balance outside soil to water pressure above bottom of casing during
- 10. Drilled piers shall have a minimum length of 3 pier diameters.

### Concrete General Notes 3100:

- 1. All detailing, fabrication and placing of reinforcing steel shall conform to the ACI Standard "Details and Detailing of Concrete Reinforcement" (ACI 315).
- 2. Concrete at slab-on-grade shall develop a 28-day minimum compressive strength of 3,500 psi and have Ultra Fiber 500 manufactured by Solomon Colors, Inc. mixed into the concrete at 2.0 lb/cubic yard. Follow normal mixing time and speed as recommended by ASTM C94.
- 3. All concrete at elevated slab on metal deck shall typically develop a 28-day minimum compressive strength of 3,500 psi.
- 4. All concrete at grade beams, pedestals, pier caps and walls shall typically develop a 28-day minimum compressive strength of 4,000 psi.
- 5. All concrete for grade beams, pier caps, pedestals, elevated slab, walls and slab-on-grade shall have a 5" maximum slump.
- 6. All reinforcing steel shall be deformed bars conforming to ASTM A615. Grade 60.
- 7. All reinforcing bar splices shall be 44 bar diameters for #6 and smaller diameter bars. Reinforcing bar splices shall be 48 bar diameters for #7 and larger bar diameters.
- 8. All reinforcing bar hooks shall be ACI standard 90 degree hook, unless noted otherwise.
- 9. Provide two #4 x 4'-0" long diagonal bars centered in slab, at all re-entrant corners and any other locations designated on the
- 10. Provide corner bars in grade beams, concrete stemwall and turn-down slab same size and spacing as longitudinal reinforcing.
- 11. Provide (1) #4 hoop with 8" lap in slab-on-grade and elevated slab around floor drains, columns and all slab penetrations 3" in diameter or greater. Also install around electrical conduit groupings 3" in diameter or greater.
- 12. Limit the width of conduit groups to 3'-0" as they pass under grade beams. As much as possible, align the conduit perpendicular to the footing as it passes under the footing. Provide a minimum spacing of 2'-0" between conduit groups as the conduit passes under a footing. Do not extend conduits under column footings or spread footings.
- 13. Plate dowel system shall be Diamond Dowel System by PNA Construction Technologies, the Speed Plate System by SIKA Corp. or approved equal. Install plate dowels at slab construction joints at 18" O.C.
- 14. Welded wire fabric shall conform to ASTM A1064. Provide mesh in flat sheets.
- 15. Wire fabric reinforcing shall lap 6" and be securely wired at each side and end.
- 16. Smooth dowels shall be steel conforming to ASTM A36.
- 17. All slots, sleeves and other embedded items shall be set before concrete is placed. See Architectural, Electrical, Mechanical, and Vendor's drawings for size and locations.
- 18. Bar supports at footings and slabs-on-grade shall be factory made wire bar supports, type "SBU" linear supports.
- 19. Epoxy for doweling reinforcement shall be HY-200 by Hilti, unless noted otherwise.
- 20. Construction joints in grade beams shall occur at mid-span. Continue all longitudinal reinforcement through construction joint and maintain proper bar splice lengths.
- 21. Grade beam reinforcement splices shall be over the drilled piers for the bottom bars and at the center of the span for all other bars.
- 22. Use of compacted, free-draining pea gravel, crushed stone, or coarse sand underneath the building slab is recommended by TSWE, Inc. Consult Geotechnical Engineer regarding potential substitution of free-draining coarse materials with approved subgrade. Slabs-On-Grade have been designed for a modulus of subgrade reaction (k-value) of 125 psi/in. Slab-on-grade shall be supported on a minimum of 2'-0" of compacted, tested, and approved select fill as described in Soils Report No. 21-1-5-188 dated December 14, 2021 by GTS, Inc.

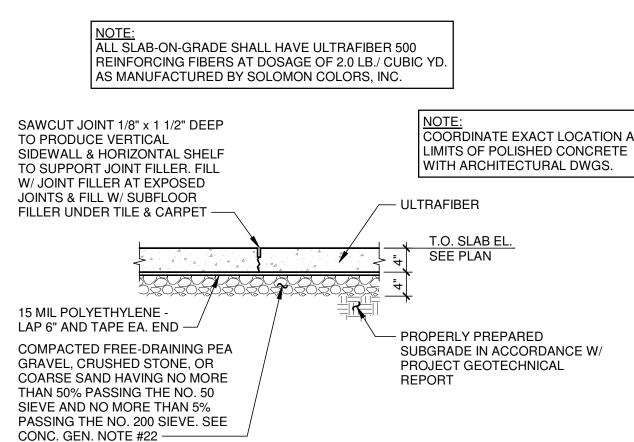
### Concrete Masonry General Notes 4100:

- All concrete masonry units shall be lightweight above finished floor and normal weight below grade. All hollow concrete masonry units shall conform to ASTM C90, Grade N, Type 1 with a minimum ultimate compressive prism strength (f'm) of 2000 psi for the masonry assemblage. All concrete masonry shall be laid in Running (Common) Bond. CMU shall also comply with requirements of fire wall rating. See arch. drawings for firewall rating required.
- Mortar at walls shall be Type S mortar and have a minimum compressive strength of 1,800 psi. Mortar at interior non-load-bearing walls not higher than 20'-0" and mortar at masonry veneer shall be Type N mortar and have a minimum compressive strength of 750 psi. All mortar shall conform to ASTM C270. Masonry cement shall not be used for mortar. Mortar shall also comply with requirements of fire wall rating. See arch. drawings for firewall rating required.
- All grout shall be ready-mix concrete, with 3/8" diameter max. aggregate, have a minimum 28-day compressive strength of 2,000 psi and a design slump between 8" to 10" or preblended product (Core Fill Grout, Coarse CF-02, by Spec Mix) with a minimum 28day compressive strength of 2,000 psi and a design slump between 8" to 10".
- All 8" CMU bond beam units shall be reinforced with one bar. See details for size of bars for vertical wall reinforcement and bond beam requirements. Provide corner bars and lap bond beam reinforcing 48 bar diameters.
- 5. All reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
- 6. All bolts, anchors, reinforcement and embedded items shall be grouted in place.
- All reinforcing bar splices shall be 48 bar diameters, U.N.O.
- 8. At all 8" CMU walls provide (1) vertical bar each cell for the first (2) cells adjacent to control joints in walls, at ends of walls, wall corners and on each side of wall openings, unless noted otherwise. Vertical bars shall match reinforcement for remainder of wall. See details for size of reinforcement. Wall cell fill shall also comply with requirements of fire wall rating. See arch. drawings for
- Provide control joints in brick veneer where shown on Architectural Drawings.
- 10. Provide control joints in CMU walls where shown on Architectural Drawings. Place joints for CMU walls max. 24'-0" O.C.

11. Provide horizontal joint reinforcement at 16" O.C. Reinforcement shall be ladder design, min. 9 gage welded steel wire, hot dipped 🕽 galvanized to 1.5 oz. width shall be 1 1/2" less than wall thickness.

TYPICAL STRUCTURAL ABBREVIATIONS									
A.R.	ANCHOR ROD	F.S.	FAR SIDE	PLF	POUNDS PER FOOT				
ACI	AMERICAN CONCRETE	FDN	FOUNDATION	PROJ	PROJECTION				
	INSTITUTE	FIN	FINISH	PSF	POUNDS PER SQUARE				
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FLR	FLOOR		FOOT				
ARCH	ARCHITECT	FTG	FOOTING	PSI	POUNDS PER SQUARE INCH				
ASTM	AMERICAN SOCIETY FOR	GA	GAUGE	R	RADIUS				
ASTIVI	TESTING AND MATERIALS	GALV	GALVANIZED	n REINF	REINFORCEMENT				
BLDG	BUILDING	H.S.A.	HEADED STUD ANCHOR	REQ'D	REQUIRED				
BM	BEAM	HK	HOOK	RTU	ROOF TOP UNIT				
BOTT	BOTTOM	HORIZ	HORIZONTAL	S.O.G.	SLAB ON GRADE				
BRG	BEARING	J.B.E.	JOIST BEARING	SCHED	SCHEDULE				
BTWN	BETWEEN	JST	ELEVATION JOIST	SECT	SECTION				
CFS	COLD-FORMED STEEL	JS1 JT	JOINT	SEOR	STRUCTURAL ENGINEER				
CL or ⊈	CENTER LINE	J I	ANGLE	OLOIT	OF RECORD				
CLR	CLEAR	LG	LONG	SIM	SIMILAR				
COL.	COLUMN	LLH	LONG LEG HORIZONTAL	SJI	STEEL JOIST INSTITUTE				
CONC	CONCRETE	LLV	LONG LEG VERTICAL	SPA	SPACING				
CONN	CONNECTION	LONG	LONGITUDINAL	SPECS	SPECIFICATIONS				
CONT	CONTINUOUS	MAX	MAXIMUM	STD	STANDARD				
DIA, or Ø	DIAMETER	MBM	METAL BUILDING	STIFF	STIFFENER				
DIM	DIMENSION	IVIDIVI	MANUFACTURER	STL	STEEL				
DN	DOWN	MECH	MECHANICAL	TOF	TOP OF FOOTING				
do	DITTO	MFR	MANUFACTURER	TOG	TOP OF GRADE BEAM				
DTL	DETAIL	MIN	MINIMUM	TOS	TOP OF STEEL				
DWG	DRAWING	MISC	MISCELLANEOUS	TOW	TOP OF WALL				
E.F.	EACH FACE	MTL	METAL	TRANS	TRANSVERSE				
E.W.	EACH WAY	N.S.	NEAR SIDE	TYP	TYPICAL				
EA	EACH	O.C.	ON CENTER	U.N.O.	UNLESS NOTED				
EL	ELEVATION	O.F.	OUTSIDE FACE		OTHERWISE				
EQ	EQUAL	OPNG	OPENING	VERT	VERTICAL				
EXIST	EXISTING	PED	PEDESTAL	W/	WITH				
EXP	EXPANSION	PL or ₽	PLATE	WP	WORK POINT				

WWF WELDED WIRE FABRIC



**CONTROL JT. DTL. (CJ)** 

DIAMETER VERTICALS

**DRILLED PIER SCHEDULE** 

(9) #6 #4 @ 12" O.C.

TIES

#4 @ 12" O.

REMARKS

<varies>

LENGTH

	· · · · · · · · · · · · · · · · · · ·	COORDINATE WITH ARCHITECT FOR CO	INSTRUCTION JOINT LOCATIONS.
JT JOINT 1/8" x 1 1/2" DEEP DDUCE VERTICAL ALL & HORIZONTAL SHELF PPORT JOINT FILLER. FILL NT FILLER AT EXPOSED S & FILL W/ SUBFLOOR UNDER TILE & CARPET	NOTE: COORDINATE EXACT LOCATION AND LIMITS OF POLISHED CONCRETE WITH ARCHITECTURAL DWGS.  — ULTRAFIBER	RESAW JOINT 1/8" x 1 1/2" DEEP TO PRODUCE VERTICAL SIDEWALL & HORIZONTAL SHELF TO SUPPORT JOINT FILLER. FILL W/ JOINT FILLER AT EXPOSED JOINTS & FILL W/ SUBFLOOR FILLER UNDER TILE & CARPET	DIAMOND DOWEL @ 18" O.C.  — ULTRAFIBER
POLYETHYLENE - AND TAPE EA. END  ACTED FREE-DRAINING PEA EL, CRUSHED STONE, OR SE SAND HAVING NO MORE 50% PASSING THE NO. 50 AND NO MORE THAN 5% NG THE NO. 200 SIEVE. SEE GEN. NOTE #22	PROPERLY PREPARED SUBGRADE IN ACCORDANCE W/ PROJECT GEOTECHNICAL REPORT	15 MIL POLYETHYLENE - LAP 6" AND TAPE EA. END CLR.  COMPACTED FREE-DRAINING PEA GRAVEL, CRUSHED STONE, OR COARSE SAND HAVING NO MORE THAN 50% PASSING THE NO. 50 SIEVE AND NO MORE THAN 5% PASSING THE NO. 200 SIEVE. SEE CONC. GEN. NOTE #22	PROPERLY PREPARED SUBGRADE I ACCORDANCE W/ PROJECT GEOTECHNICAL REPORT
TYP. SLAB-ON	I-GRADE	TYP. SLAB-ON-C	GRADE

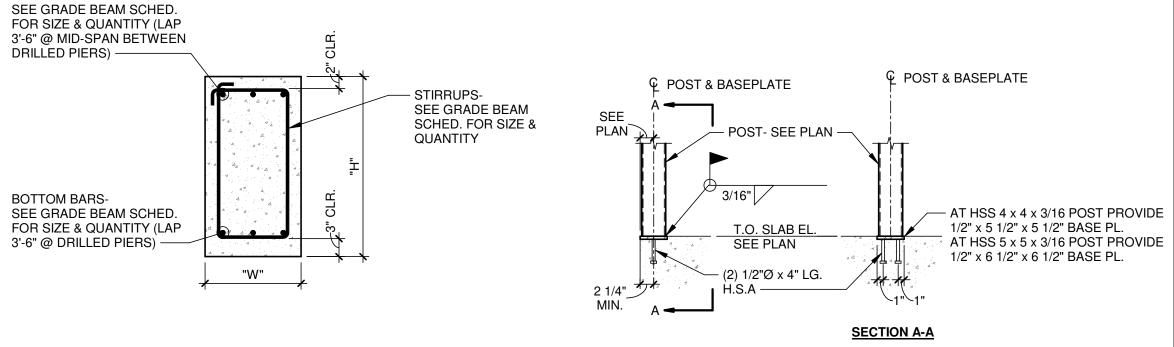


| <u>NOTE:</u> | PROVIDE DIAMOND DOWEL SYSTEM AS MANUFACTURED BY PNA

CONSTRUCTION TECHNOLOGIES OR THE SPEED SYSTEM BY SIKA

CORPORATION AT CONSTRUCTION JOINTS IN ALL FLOOR AREAS.

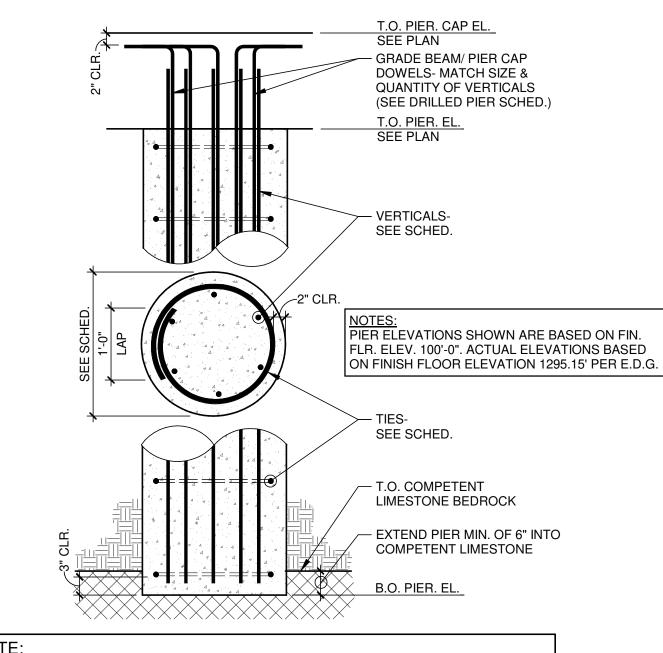
GRADE BEAM SCHEDULE							
MARK	GRADE B	EAM SIZE	TOP BARS	MIDDLE	воттом	OTIDDUDO	DEMARKO
IVIANN	W	Н	TOP BANS	BARS	BARS	STIRRUPS	REMARKS
GB1	2'-0"	2'-0"	(6) #6		(6) #6	#3 @ 8" O.C.	
GB2	3'-0"	2'-0"	(6) #6		(6) #6	#3 @ 6" O.C.	
GB3	3'-0"	2'-0"	(9) #6		(9) #6	#3 @ 6" O.C.	
GB4	2'-0"	3'-0"	(8) #6		(8) #6	#3 @ 8" O.C.	
GB5	3'-0"	3'-0"	(10) #6		(10) #6	#3 @ 12" O.C.	
GB6	<del>, 1-9-11-0</del>	<u> </u>	(5) #6	J	(5) #6	#3 @ 10" O.C.	<del></del>

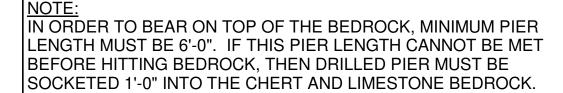


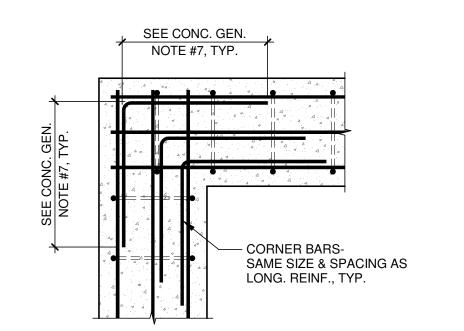


TOP BARS-

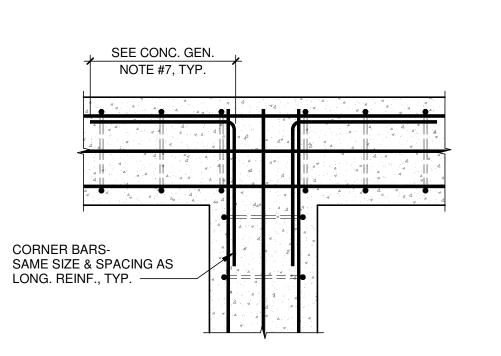


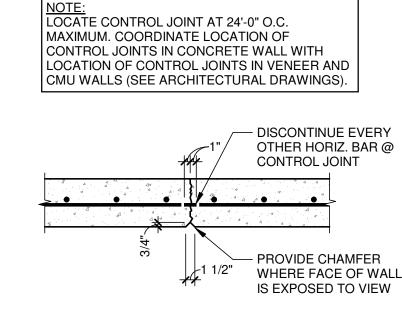






TYP. GRADE BEAM CORNER DETAILS



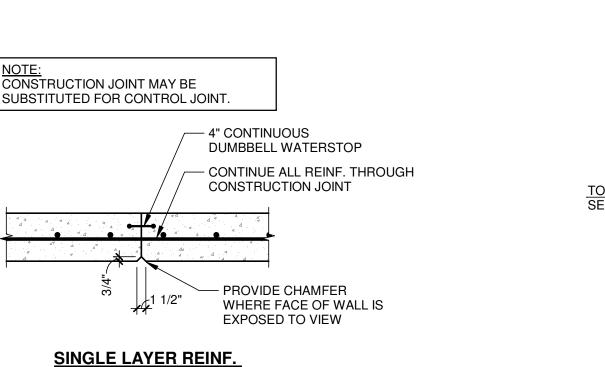


SINGLE LAYER REINF. **CONC. WALL** 

TYP. CONCRETE WALL CONTROL JT. DTL.

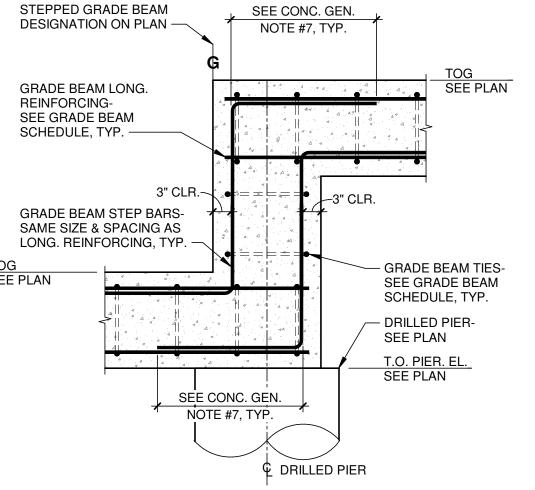
# TYP. DRILLED PIER DETAIL

NOTE: CONSTRUCTION JOINT MAY BE

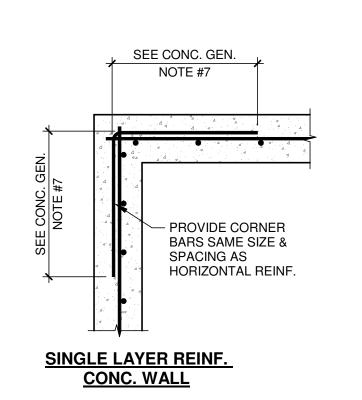




**CONC. WALL** 



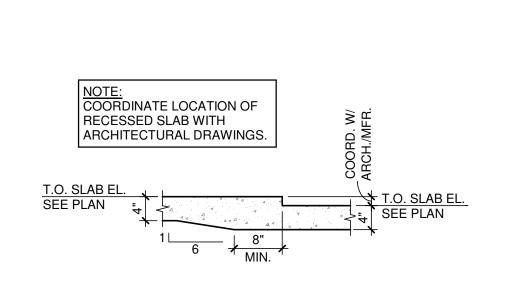
TYP. STEPPED GRADE BEAM @ PIER DETAIL



TYP. CONCRETE WALL **CORNER DETAIL** 

PIER CAP SCHEDULE										
MARK		SIZE		REINFORCING	REMARKS					
WANK	WIDTH	LENGTH	DEPTH	REINFORGING	HEIVIAHNO					
PC1	2'-6"	2'-6"	SEE NOTES	(3) #4 EA. WAY TOP & BOTT.	SEE NOTES					
PC2	3'-6"	3'-6"	SEE NOTES	(4) #4 EA. WAY TOP & BOTT.	SEE NOTES					
PC3	4'-6"	4'-6"	SEE NOTES	(5) #4 EA. WAY TOP & BOTT.	SEE NOTES					
PC4	4'-6"	5'-0"	SEE NOTES	(5) #4 LONG. EA. WAY TOP & BOTT. (6) #4 TRANS. EA. WAY TOP & BOTT. #3 TIES @ 8" O.C. EA. WAY	SEE NOTES					
PC5	4'-6"	4'-6"	SEE NOTES	(4) #4 LONG. EA. WAY TOP & BOTT. (6) #4 TRANS. EA. WAY TOP & BOTT. #3 TIES @ 8" O.C. EA. WAY	SEE NOTES					
PC6	2'-6"	4'-6"	SEE NOTES	(4) #4 LONG. EA. WAY TOP & BOTT. (6) #4 TRANS. EA. WAY TOP & BOTT. #3 TIES @ 8" O.C. LONG.	SEE NOTES					

2. SEE FOUNDATION PLAN FOR PIER CAP DEPTH.



		P	EDESTAL	SCHEDUL	E	
MADIZ	PEDES	ΓAL SIZE	VERTICAL	TIES		DEMARKS
MARK	WIDTH	LENGTH	DOWELS	TIES		REMARKS
P1	1'-4"	1'-4"	(6) #6 DOWELS	#3 TIES @ 12" O.C.		SEE NOTE #1
P2	1'-6"	2'-0"	(8) #6 DOWELS	#3 TIES @ 12" O.C.		SEE NOTE #1
P3	2'-0"	2'-0"	(8) #6 DOWELS	#3 TIES @ 12" O.C.		SEE NOTE #1

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MEP Engineer

HP Engineering, Inc.

5504 W. Pinnacle Point Dr. Suite 200 Rogers, AR 72758 | 479.899.6370

Ville



**BID SET** 

**ISSUE / REVISION** 

Mark Date Description 12/10/2021 SCHEMATIC DESIGN PRICING 06/22/2022 DESIGN DEVELOPMENT PRICING 10/24/2022 60% CD PRICING 12/21/2022 PERMIT SET 01/06/2023 BID SET 03/24/2023 ASI-01

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**GENERAL NOTES &** 

TYP. DETAILS

### **Structural Steel General Notes 5100:**

- 1. All detailing, fabrication and erection of structural steel shall conform to the requirements of the AISC Specification for the Design, Fabrication and Erection of Structural Steel for Buildings.
- 2. Wide flanges and WT tees shall conform to ASTM A992 with a yield strength of 50 ksi.
- 3. Hollow Structural Section (HSS) shall conform to ASTM A500, Grade B with a yield strength of 46 ksi.
- 4. Steel pipes shall conform to ASTM A501.
- 5. Headed stud anchors (H.S.A.'s) shall conform to ASTM A108.
- 6. All other structural steel shall conform to the requirements of ASTM A36. Angle, plate and beam lintels at exterior wall openings shall be hot-dipped galvanized.
- 7. All anchor rods shall conform to ASTM F1554, Grade 36. Nuts for anchor rods shall conform to ASTM A563, Grade A, heavy hex and anchor rod washers shall conform to ASTM F844.
- 8. All welding shall conform to the Specifications of the American Welding Society. Welding electrodes shall be E-70 low hydrogen series. Welding shall be done by a certified welder.
- 9. High strength bolts shall typically be 3/4" diameter bolts conforming to ASTM A325. Connections shall be designed as bearing type with threads in shear plane. Holes shall be 1/16" larger than bolt size. See details for connections with 1"
- 10. All bolts shall be tightened to a snug-tight condition. A snug tight condition is defined as the tightness attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench. All connected elements must be brought into snug contact.
- 11. Bearing ends of all columns shall be square cut.

plating & have a 3 1/2" embedment depth.

12. No openings shall be cut in structural members unless shown on the drawings.

15. All exposed edges of plates, beams, etc., shall be shop ground smooth and uniform.

- 13. Steel frame is non-self-supporting and column anchor rods are designed for a completed condition only. Metal roof deck and steel moment frames are required to provide lateral stability for the frame and resistance to wind and seismic forces. Contractor shall provide all temporary bracing required to maintain stability of structural system.
- 14. Anchor rod holes in base plates shall be sized in accordance with AISC "Detailing For Steel Construction"
- 16. All column base plates supported on drilled piers, pedestals and pier caps shall bear on 1 1/2" non-shrink non-metallic grout unless noted otherwise.
- 17. 1/2"Ø sleeve anchors shall be 1/2"Ø x 4" long HLC-H Sleeve Anchor by Hilti. HLC-H Sleeve Anchor shall be carbon steel
- with zinc plating & have a 3" embedment depth. 18. 1/2"Ø expansion bolts shall be 1/2"Ø x 5 1/2" long Kwik Bolt 3 by Hilti. Expansion Anchor shall be carbon steel with zinc
- 19. 3/4"Ø expansion bolts shall be 3/4"Ø x 5 1/2" long Kwik Bolt 3 by Hilti. Expansion Anchor shall be carbon steel with zinc plating & have a 4 3/4" embedment depth.

GENERAL CONTRACTOR SHALL INCLUDE 2 TON AT A MINIMUM COST OF \$10,000/ TON OF MISCELLANEOUS STEEL BEAMS, CHANNELS AND ANGLES IN ADDITION TO THE FRAMING SHOWN ON THE PLANS AND DETAILS. GENERAL CONTRACTOR SHALL INCLUDE ERECTION, FABRICATION, DESIGN AND DETAILING COSTS FOR THIS ADDITIONAL FRAMING WITH THE BASE BID. THE USE OF MISCELLANEOUS STEEL IS TO BE RECORDED BY THE GENERAL CONTRACTOR AND ANY UNUSED AMOUNT IS TO BE CREDITED TO THE OWNER.

### Steel Deck General Notes 5300:

- 1. Typical roof deck shall be 3" deep, 22 gauge, wide rib type and shall have nested side laps (Vulcraft 3NL-32, New Millennium N or approved equal). See Roof Framing Plans for limits of roof deck.
- 2. Roof deck shall be welded to the steel framing per the Roof Deck Fastening Pattern Detail 1/S1.2.
- 3. Roof deck fastening pattern has been designed for a net wind uplift of 22 psf at corner zones, 13 psf at side zones and 7 psf at interior zones for roofs.
- 4. Roof deck at elevated mechanical pad shall be 1" deep, 24 gauge, galvanized steel form deck (Vulcraft 1.0 C24, New Millinium 1.0FD24 or approved equal).
- 5. Roof deck at elevated mechanical pad shall be welded to the steel framing per the Form Deck Fastening Pattern Detail
- 6. All deck shall be fastened per Steel Deck Institute (SDI) requirements.
- 7. Deck specified has been determined on basis of 3 span condition; deck supplier shall use heavier gauge if required for one and two span conditions.

### <u>Light Gauge Steel General Notes 5400:</u>

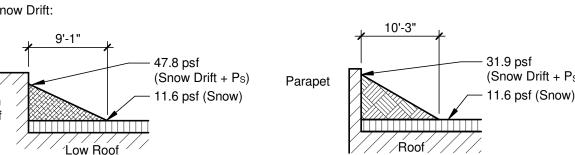
- 1. All structural studs and headers shall be of the type, size, gauge and spacing as shown on the drawings.
- 2. All framing members shall be formed from steel, corresponding to the requirements of ASTM A653.
- 3. Steel for framing members shall have a minimum yield strength of 33 ksi, unless noted otherwise. 4. Exterior stud walls and lintels shall be constructed with the following, unless noted otherwise.
- 6" studs: 600S162-43 6" track: 600T125-43
- 8" studs: 800S162-43 8" track: 800T125-43
- 5. See Architectural Drawings for summary of non-structural stud sizes; runner track gauge to match stud gauge.
- 6. Exterior studs shall be braced in accordance with the manufacturer's specifications and recommendations. See Metal Stud Bridging Detail 6/S1.2.
- 7. Slide clips shall be VertiClip SLB with vertical slots by The Steel Network, Inc. or approved equal.
- 8. Rigid clips shall be StiffClip LB by The Steel Network, Inc. or approved equal.
- 9. Powder actuated fasteners for attachment of bottom runner track shall have a 0.157" minimum shank diameter and a 1 1/2"
- minimum concrete embedment. Space fasteners at 16" O.C., unless noted otherwise. 10. At interior stud walls extending to the underside of roof structures, provide a deflection track at the top of the wall.
- 11. Provide bracing to structure for all stud walls and furr-downs.

## Design Loads

Snow Load Importance Factor (I<sub>s</sub>) = 1.1

	Typical Roof Dead Load:	20 psf
2.	Roof Live Load:	20 psf
3.	<ul> <li>Snow Load:</li> <li>Ground Snow Load:</li> <li>Flat-roof Snow Load at main roof (P<sub>f</sub>) = 11.55 psf</li> <li>Slope Factor (C<sub>s</sub>) = 1.0</li> <li>Snow Exposure Factor (C<sub>e</sub>) = 1.0</li> </ul>	15 psf

 Thermal Factor (C<sub>t</sub>) = 1.0 4. Snow Drift:



A Drift @ Low Roof

Ps) w)	Parapet	31.9 psf (Snow Drift + Ps) 11.6 psf (Snow)
-----------	---------	--

25.9 psf

28.1 psf

23.7 psf

B Drift @ Parapet

5.	<ul> <li>Wind Load:</li> <li>Ultimate Design Wind Speed (V<sub>ult</sub>):</li> <li>Nominal Design Wind Speed (V<sub>asd</sub>):</li> <li>Risk Category III</li> <li>Wind Exposure B</li> <li>Internal Pressure Coefficient, GC<sub>pi</sub> = ±0.18</li> </ul>	120 mph 93 mph
<b>S</b> .	Components & Cladding Wind Load (Unfactored):  • Width of Edge Zone, a =  • Wall Pressures (10 ft²)	8 ft
	<ul><li>End Zone Wall =</li><li>Interior Zone =</li></ul>	31.6 psf 25.7 psf
	<ul> <li>Wall Pressures (100 ft²)</li> <li>End Zone Wall =</li> <li>Interior Zone =</li> </ul>	24.6 psf 22.2 psf
	<ul> <li>Roof Pressures (10 ft²)</li> <li>Corner Zone =</li> <li>Eave &amp; Rake Zone =</li> </ul>	65.4 psf 43.4 psf

Seismic: Risk Category III

Interior Zone =

Roof Pressures (100 ft²)

Eave & Rake Zone =

Corner Zone =

Interior Zone =

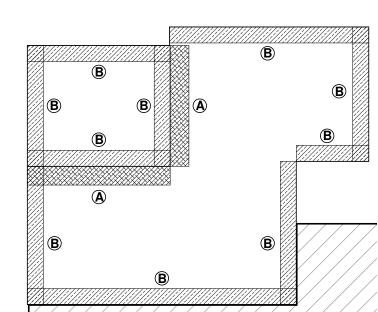
- Seismic Importance Factor (I<sub>e</sub>) = 1.25 •  $S_S = 0.16$ •  $S_1 = 0.091$ •  $S_{DS} = 0.17$
- $S_{D1} = 0.145$  Site Class D (per Geotechnical Report) Seismic Design Category C Moment-Resisting Frame Systesm Basic Structural System:
- Seismic Resisting System: Steel Ordinary Moment Frames Response Modification Coefficient (R): Deflection Amplification Factor (C<sub>d</sub>): Seismic Response Coefficient (C<sub>s</sub>): Equivalent Lateral Force Procedure Analysis Procedure:
- 8. Building Code: 2012 International Building Code
- 2012 Arkansas Fire Prevention Code, Volume II

THIS FACILITY HAS BEEN DESIGNED FOR THE SEISMIC IN ACCORDANCE WITH THE REQUIREMENTS OF ACT 1100.



DENOTES LIMITS OF SNOW DRIFT @ LOW ROOF (SEE DESIGN LOADS)









- ANCHOR RODS-

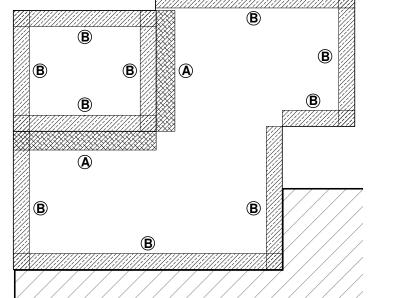
COLUMN-

- BASE PL-

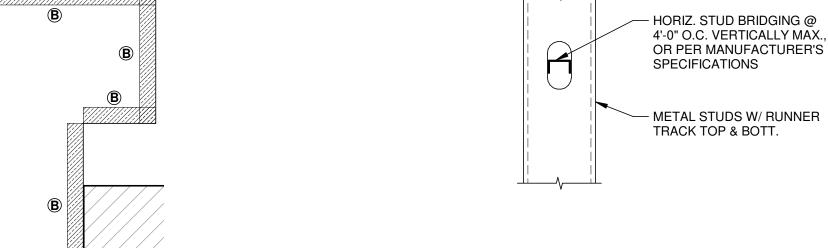
SEE COL. SCHED.

SEE COL. SCHED.

SEE COL. SCHED.







CHANNEL- SEE PLAN -

NOT TO SCALE

TYP. METAL STUD BRIDGING DETAIL

NOTE: PROVIDE 5/8" DIAMETER PUDDLE WELDS AT 6" O.C. FOR

END LAPS (MIN. 2" LAP) AND ENDS OF EACH DECK RUN.

**3" ROOF DECK** 

\_\_\_\_\_

TYP. ROOF DECK FASTENING

3" x 22 GA., TYPE "N"

PAINTED STEEL DECK -

5/8"Ø PUDDLE WELDS

SIDELAP ATTACHMENT

TO BE (7) #10 "TEK"

SCREWS BETWEEN

SUPPORT FRAMING -

— L3 x 3 x 1/2 x 2'-0" LG.

N.S. & F.S., TYP.

— BEAM- SEE PLAN

TYP. COPED CHANNEL BEARING

@ 24/4 PATTERN ——

– 5/8"Ø PUDDLE WELDS @

SUPPORTS. IF RIB DOES

NOT OCCUR AS SHOWN,

6" O.C. ALONG SIDE

DECK MUST BE BENT

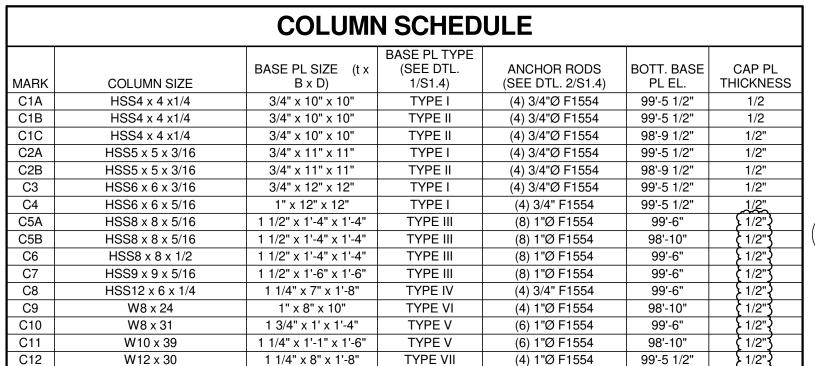
DOWN & WELDED

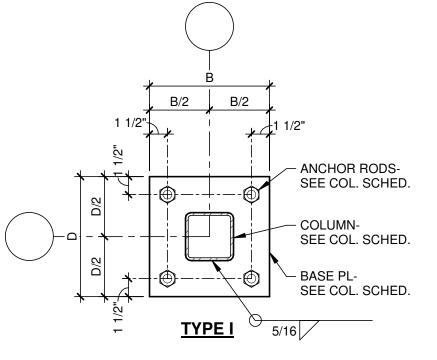
- CONT. PERIMETER

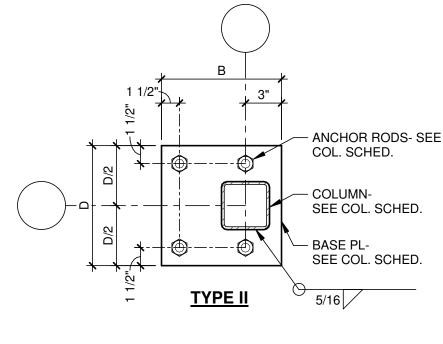
ANGLE (SEE PLAN

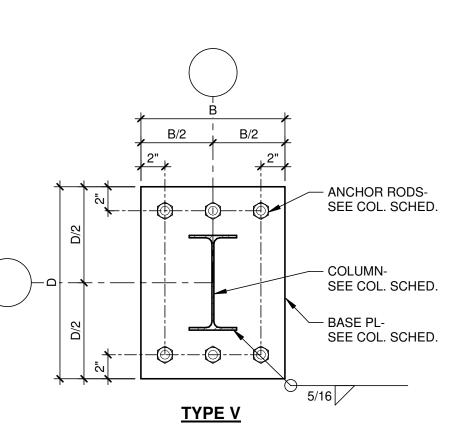
DETAILS FOR NOTES)

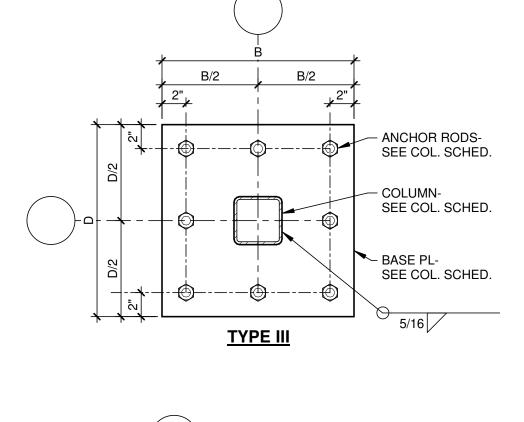
PATTERN DETAIL

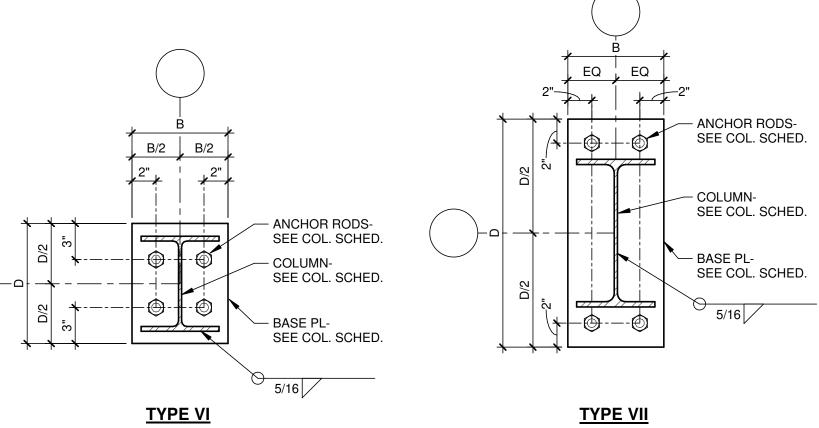


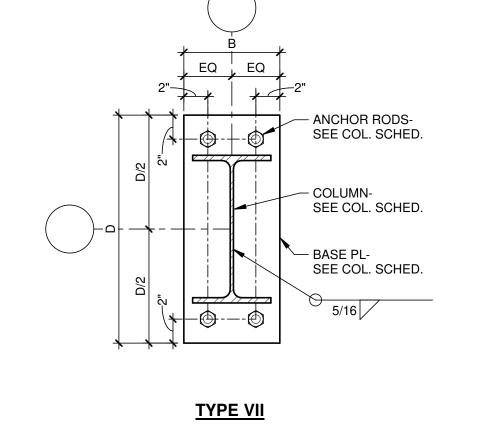












TO ROD OR FOUL THREADS <u>1" DIA. ROD</u> TYP. ANCHOR ROD DETAIL

- NUT & FLAT WASHER

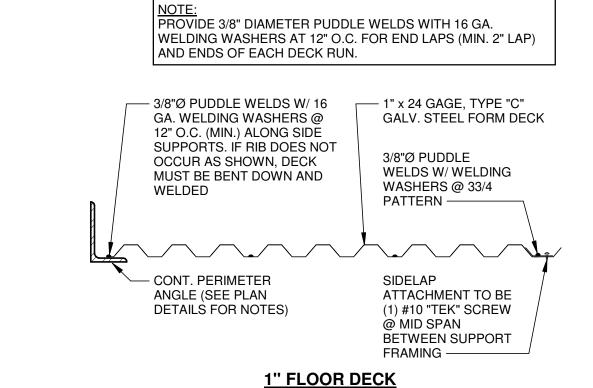
LEVELING NUT & WASHER

SEE PLAN

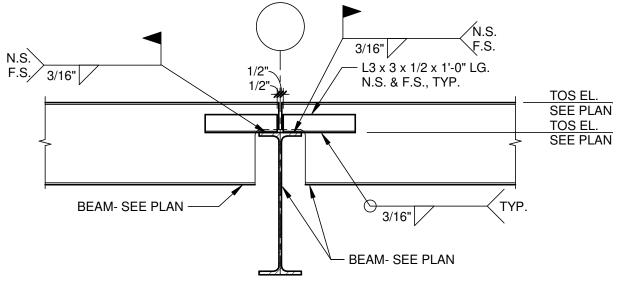
— 3/4" DIA. F1554 ROD

- HEAVY-HEX NUT

- TACK WELD NUT



## MECHANICAL PAD DECK FASTENING PATTERN DETAIL



TYP. COPED BEAM BEARING

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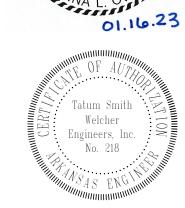
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**BID SET** 

─ NUT & FLAT WASHER

– 1" DIA. F1554 ROD

- HEAVY-HEX NUT

ROD OR FOUL

THREADS

- TACK WELD NUT TO

- LEVELING NUT & WASHER

**ISSUE / REVISION** 

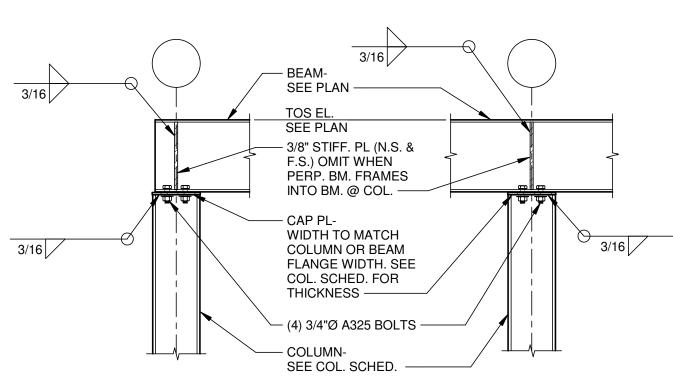
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**DETAILS** 

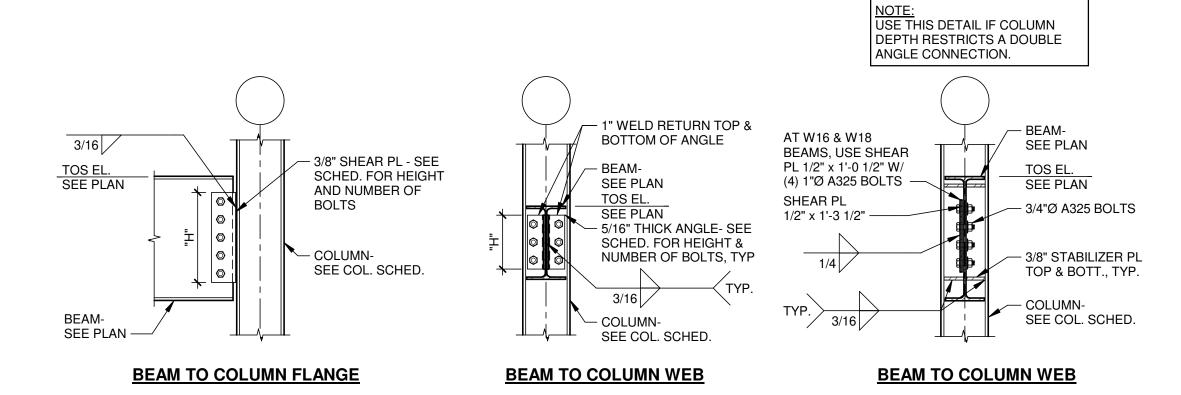
NOTES & TYP.

TYP. BASE PLATE DETAILS



MISC. BE	<b>AM TO HSS</b>	<b>COL. CONN</b>	. SCHED.
BEAM SIZE	SHEAR PL SIZE (H)	NUMBER OF BOLTS	REMARKS
C8, W8, C10, W10	6"	(2) 3/4"Ø A325	
C12, W12, MC12, W14	9"	(3) 3/4"Ø A325	
C15, W16, W18, MC18	1'-0"	(4) 3/4"Ø A325	
W21, W24, W27	1'-3"	(5) 3/4"Ø A325	
W30	1'-6"	(6) 3/4"Ø A325	

	MISC. BE	AM TO WF	COL. CONN.	SCHED.
ı	BEAM SIZE	SHEAR PL SIZE (H)	NUMBER OF BOLTS (EA. ANGLE)	REMARKS
C8,	, W8, C10, W10	6"	(2) 3/4"Ø A325	
C12, V	W12, MC12, W14	9"	(3) 3/4"Ø A325	
C15, V	W16, W18, MC18	1'-0"	(4) 3/4"Ø A325	
W2	21, W24, W27	1'-3"	(5) 3/4"Ø A325	
	W30	1'-6"	(6) 3/4"Ø A325	



# TYP. WF COL. CAP PLATE DETAILS NOT TO SCALE

	TYP. MISC. BEAM TO HSS
	COLUMN CONNECTION DETAIL  NOT TO SCALE
(	NOT TO SCALE

BEAM TO BEAM CONN. SCHED.

SHEAR PL SIZE (H) NUMBER OF BOLTS

(2) 3/4"Ø A325

(3) 3/4"Ø A325

(4) 3/4"Ø A325

(5) 3/4"Ø A325

(6) 3/4"Ø A325

SEE PLAN

- 3/8" STIFF PL (F.S.)

WHERE BEAM DOES NOT FRAME IN

BEAM-SEE PLAN

SUPPORTED BEAM

SIZE C8, W8, C10, W10

C12, W12, MC12, W14

C15, W16, W18, MC18

W21, W24, W27

W30

NOTE:
TYPICAL BEAM TO COLUMN CONNECTION IS WITH CAP

PLATE. USE THIS CONNECTION AT MISCELLANEOUS BEAMS

FRAMING INTO COLUMNS BETWEEN MAIN FRAMING LEVELS.

- 3/8" SHEAR PL-

NUMBER OF BOLTS

SEE COL. SCHED.

SEE SCHED. FOR HEIGHT &

REMARKS

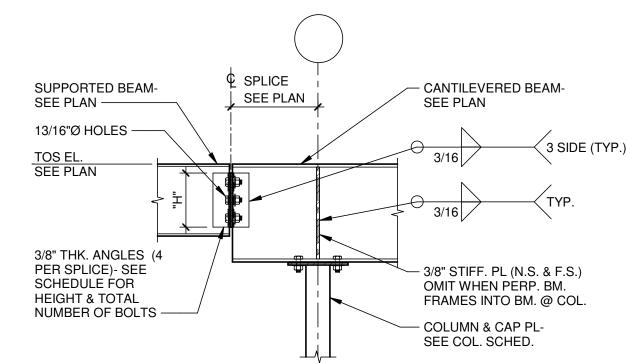
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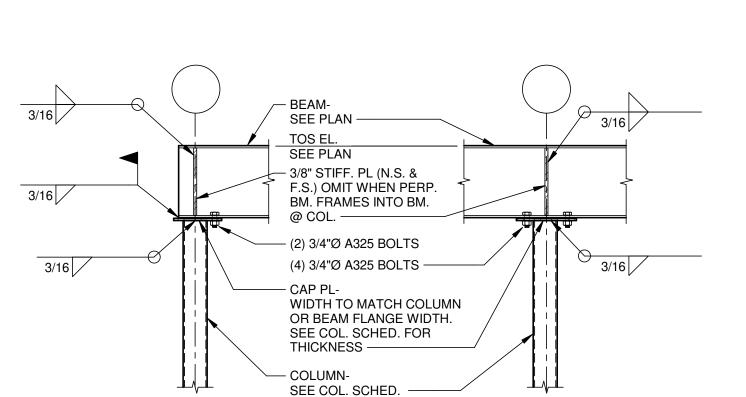
## TYP. MISC. BM. TO WF COL. CONNECTION DETAILS

CANTILEVERED BEAM SPLICE SCHED.				
SUPPORTED BEAM SIZE	SHEAR PL SIZE (H)	NUMBER OF BOLTS (EA. SIDE)	REMARKS	
C8, W8, C10, W10	6"	(2) 3/4"Ø A325		
C12, W12, MC12, W14	9"	(3) 3/4"Ø A325		
C15, W16, W18, MC18	1'-0"	(4) 3/4"Ø A325		
W21, W24, W27	1'-3"	(5) 3/4"Ø A325		
W30	1'-6"	(6) 3/4"Ø A325		



# **AT COLUMN**

TYP. CANTILEVERED BEAM SPLICE



TYP. HSS COL. CAP PLATE DETAILS

3/8" SHEAR PL - SEE SCHED. FOR HEIGHT & NUMBER OF BOLTS	- SUPPORTED BEAM- SEE PLAN TOS EL. SEE PLAN
	- REAM

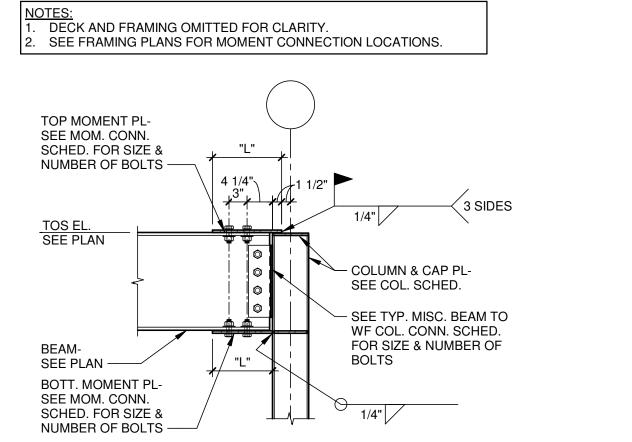
1'-0"

1'-3"

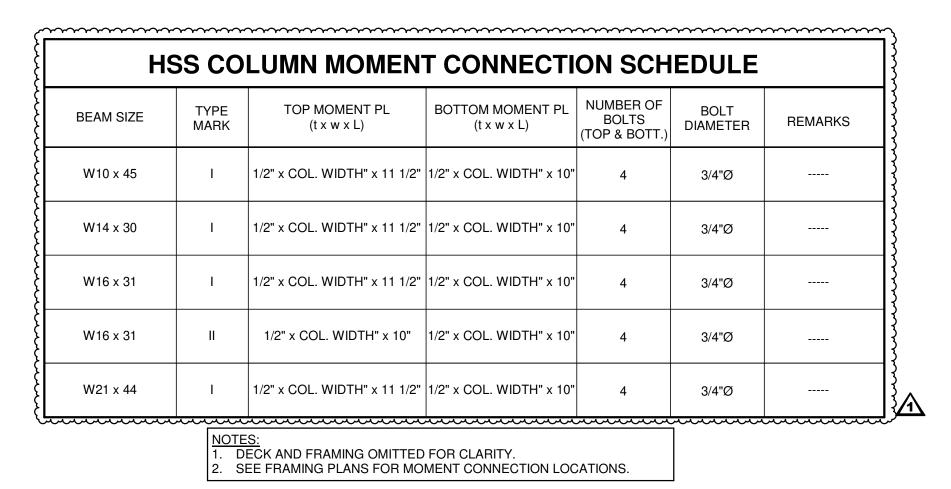
1'-6"

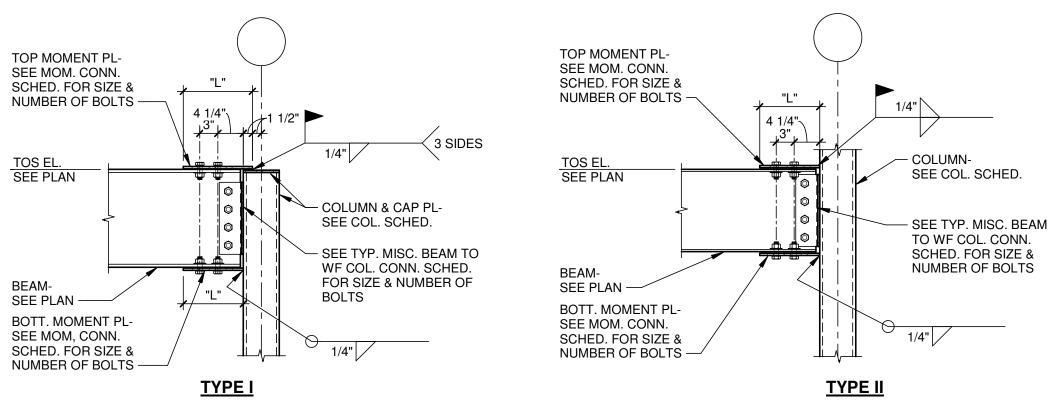
TYP. BEAM TO BEAM CONNECTION DETAIL

MOMENT CONNECTION SCHEDULE					
BEAM SIZE	TOP MOMENT PL (t x w x L)	BOTTOM MOMENT PL (t x w x L)	NUMBER OF BOLTS (TOP & BOTT.)	BOLT DIAMETER	REMARKS
W14 x 30	1/2" x COL. WIDTH x 11 1/2"	1/2" x COL. WIDTH x 10"	4	3/4"Ø	
W18 x 35	1/2" x COL. WIDTH x 11 1/2"	1/2" x COL. WIDTH x 10"	4	3/4"Ø	
W18 x 40	1/2" x COL. WIDTH x 11 1/2"	1/2" x COL. WIDTH x 10"	4	3/4"Ø	



TYP. MOMENT CONNECTION DETAILS





BEAM- SEE PLAN -— (2) L7 x 4 x 3/8 (LLV) W. 0'-4" LG. SLOT HOLE -SECTION A-A A **-**

TYP. HSS COLUMN MOMENT CONNECTION DETAILS

9 TYP. POST TO BEAM CONNECTION

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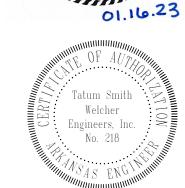
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**BID SET** 

**ISSUE / REVISION** 

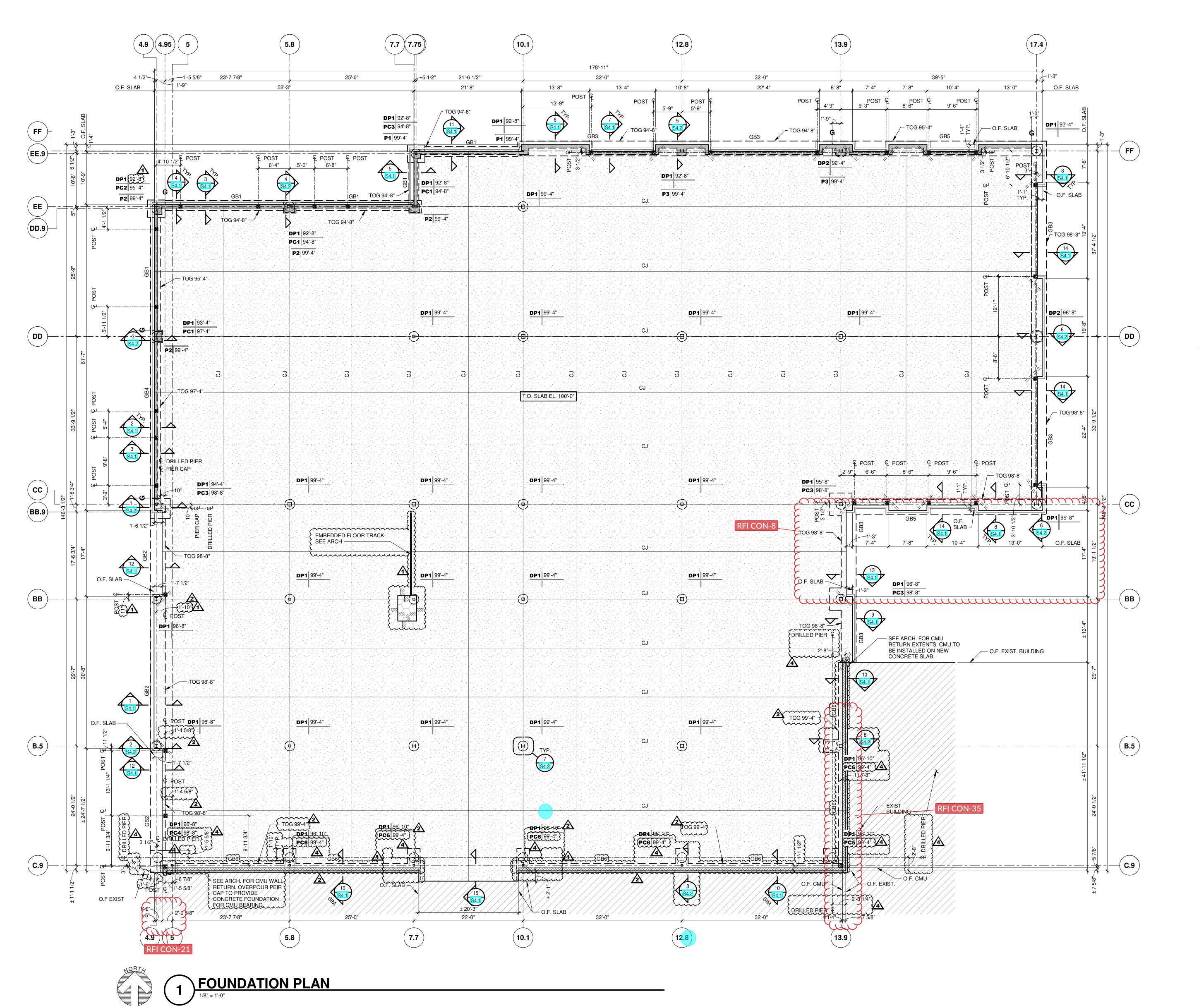
12/10/2021 SCHEMATIC DESIGN PRICING 06/22/2022 DESIGN DEVELOPMENT PRICING 10/24/2022 60% CD PRICING

12/21/22 PERMIT SET 01/06/23 BID SET 1 01/16/23 BID SET - ADDENDUM 1

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TYP. FRAMING DETAILS

**S1.3** 



**LEGEND:** 

- DRILLED PIER MARK (SEE DRILLED PIER SCHED.) - TOP OF DRILLED PIER EL.

TOP OF PIER CAP

– PIER CAP MARK (SEE PIER CAP SCHED.) T.O. PEDESTAL ELEVATION

L\_\_\_J **P1** 100'-0" - PEDESTAL MARK (SEE PED. SCHED.)

> DENOTES GRADE BEAM (SEE GRADE BEAM SCHED.) DENOTES TOP OF GRADE BEAM

DENOTES GRADE BEAM STEP MARK (SEE DTL. 9 / S1.1) DENOTES OUTSIDE FACE

DENOTES DIMENSION OR ELEVATION TO BE FIELD VERIFIED DENOTES LIMITS OF 4" SLAB (T.O. SLAB EL 100'-0") SEE PLAN NOTES

DENOTES LIMITS EXISTING SLAB DENOTES CONCRETE STEM WALL

DENOTES TOP OF SLAB EL.

DENOTES LOCATION OF POST (SEE DTL. 4 / S1.1) DENOTES LOCATION OF RE-ENTRANT CORNER BARS (SEE CONC. GEN. NOTE #9)

DENOTES SLAB ELEVATION CHANGE DENOTES LIMITS OF RECESSED 4" CONCRTE SLAB. COORD. LOCATION & ELEV. W/ ARCH. \_\_\_\_\_\_ DENOTES 8" CMU WALL

**PLAN NOTES:** 

1. 4" S.O.G. CONSTRUCTION: 4" CONCRETE SLAB REINFORCED W/ ULTRA FIBER 500 ON 15 MIL. POLYETHYLENE FILM (COORD. W/ ARCH. SPECS.) OVER 4" CRUSHED STONE.

2. CENTER DRILLED PIERS AND PIER CAPS UNDER COLUMN, (U.N.O.). 3. ALL ELEVATIONS BASED ON FINISH FLOOR EL. 100'-0". ACTUAL FIN. FLR. EL. 1295.15' AS ESTABLISHED BY EDG. 4. TOP OF GRADE BEAM ELEVATION 98'-8", TYP. (U.N.O.).

. TOP OF PIER CAP ELEVATION 98'-8", TYP. (U.N.O.). . SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN. "CJ" DENOTES CONTROL OR CONSTRUCTION JOINT. (SEE DTLS. 1/S1.1 & 2/S1.1).

8. COORDINATE LOCATION & LIMITS OF VENEER WITH ARCH. DWGS. 9. COORDINATE DOOR LOCATIONS WITH ARCH. DWGS.10. SEE ARCH./ PLUMBING DWGS. FOR EXACT LOCATIONS OF ALL FLOOR DRAINS, SLOPED & RECESSED SLABS.

11. COORDINATE LOCATIONS OF PLUMBING LINES W/ PLUMBER PRIOR TO POURING GRADE BEAMS & SLABS-ON-GRADE.

12. SEE DWG. S1.1 FOR GENERAL NOTES, SCHEDULES, &

TYP. DETAILS. 13. SEE ARCH. FLOOR PATTERN PLANS FOR SLAB LOCATIONS WITH POLICE CONCRETE.

15. POST LOCATIONS SHOW ARE APPROXIMATE. SEE NOTES:
1. CONTRACTOR SHALL FIELD VERIFY **EXISTING CONDITIONS. ANY** DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER IMMEDIATELY. . CONTRACTOR SHALL FIELD VERIFY ALL **ELEVATIONS AND DIMENSIONS PRIOR TO** 

SETTING CONCRETE REINFORCEMENT AND FORM WORK. BEGINNING OF STEEL FABRICATION AND PLACEMENT OF CONCRETE CONSTITUTES CONTRACTOR ACCEPTANCE OF EXISTING CONDITIONS.

<u>SLAB-ON-GRADE JOINT NOTE:</u> CONTROL JOINTS AT POLISHED CONCRETE TO BE 14'-0" O.C. MAXIMUM. CONTROL JOINTS AT OTHER AREAS TO BE 16'-0" O.C. MAXIMUM

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No. 218

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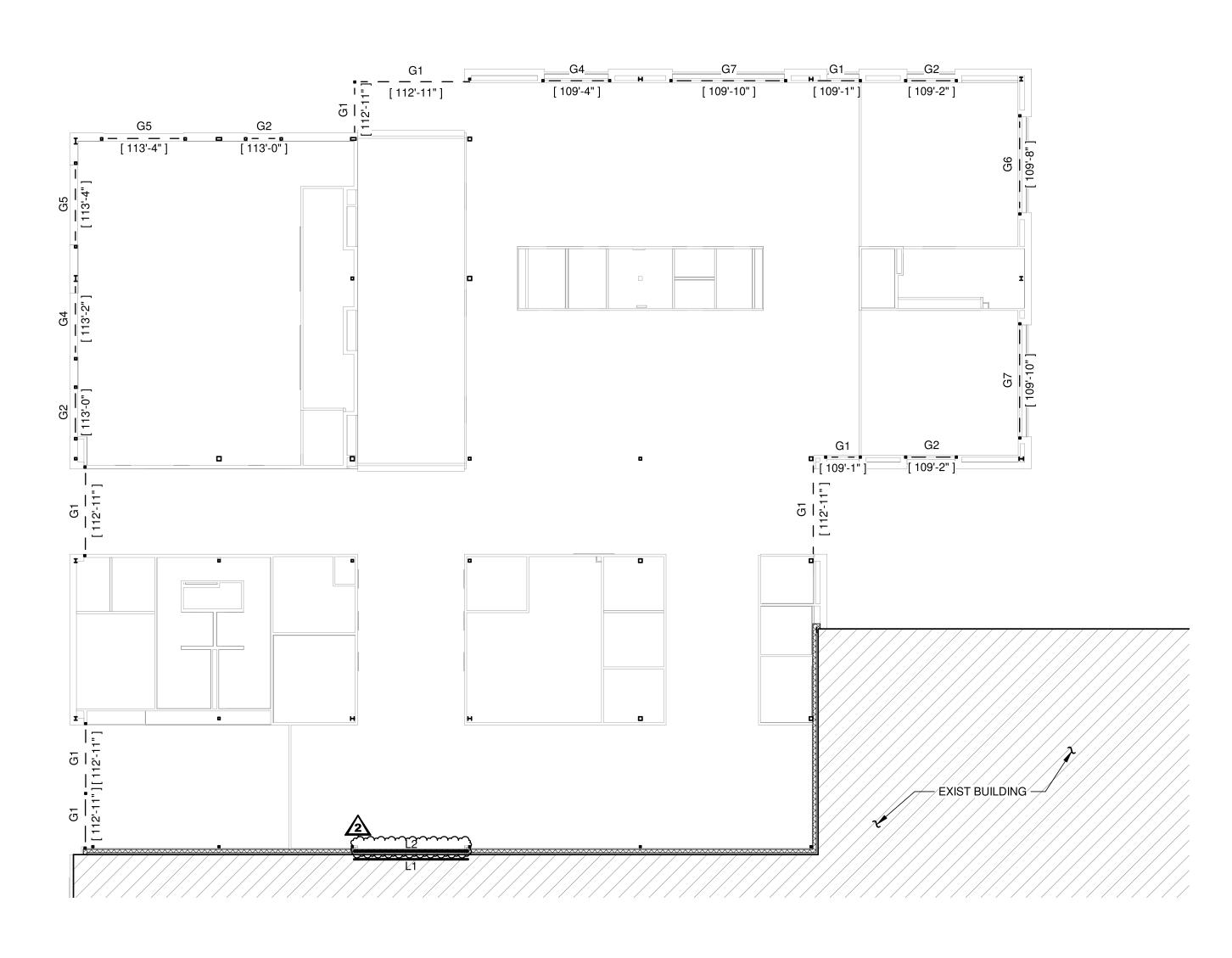
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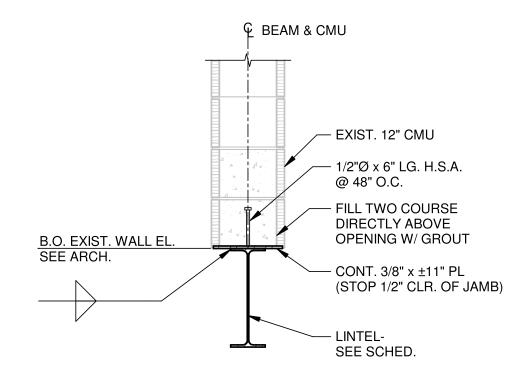
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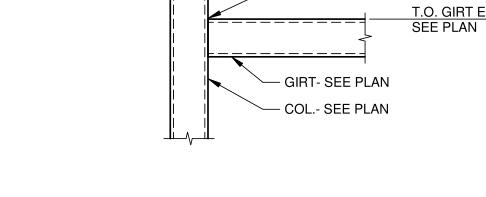
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FOUNDATION PLAN

**S2.1** 







2 TYP. NEW LINTEL @ EXIST. 12" CMU
NOT TO SCALE

TYP. GIRT TO POST/COL. CONN. DETAIL

NOT TO SCALE



### LEGEND:

DENOTES LINTEL MARK, SEE LINTEL SCHED.

DENOTES HSS5 x 5 x 3/16 GIRT

 $\frac{G2}{}$  DENOTES HSS6 x 6 x 3/16 GIRT

DENOTES HSS10 x 5 x 3/16 GIRT

DENOTES HSS14 x 6 x 1/4 GIRT

G4 DENOTES HSS8 x 4 x 3/16 GIRT

DENOTES HSS12 x 4 x 1/4 GIRT

**PLAN NOTES:** 

1. SEE DWGS. S1.1, S1.2, & S1.3 FOR GENERAL NOTES & TYP. DETAILS.

	LINTEL SCHEDULE						
MARK	WALL LOCATIONS	TYPE & SIZE (THICKNESS x HEIGHT)	REINFORCEMENT OR ATTACHMENT	BRICK ANGLE OR PLATES	REMARKS		
L1	EXIST. 12" CMU	W16 x 26			SEE NOTES #1, #2, #3, #4, #5, #6 & DTL. 2		
£ L2	8" CMU	CMU 8" x 24" BOND BEAM	(1) #6 BOTT.		SÉE NOTÉS #1, #2, } #3, #7, #8, & #9		

LINTEL SCHEDULE NOTES:

1. SEE ARCH. DWGS. FOR EXACT LOCATION OF ALL LINTELS.

COORDINATE ALL BOTTOM PLATE/BEAM/CMU/ANGLE ELEVATIONS WITH ARCH. DWGS..
 FILL ALL CMU LINTELS WITH 2,000 PSI GROUT.
 WELD TOP & BOTTOM PLATE TO FLANGE OF BEAM WITH 3/16" x 3" LG. FILLET WELD @ 12" O.C. ALONG EACH SIDE

4. WELD TOP & BOTTOM PLATE TO FLANGE OF BEAW WITH 5/10 A 3 LG. FILEL TWILL WILL OF STANGE.

5. ALL STEEL LINTELS SHALL HAVE 1/2" DIA. x 6" LG. H.S.A. @ 48" O.C. WELDED TO TOP FLANGE OR TOP PLATE.

6. AT EACH END OF STEEL LINTEL. STOP BOTTOM PLATE 1/2" CLEAR OF THE JAMB.

7. ALL CMU LINTELS SHALL HAVE 8" MIN. BEARING EACH SIDE OF OPENING.

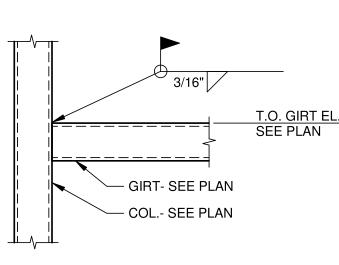
8. ALL 8" CMU LINTELS SHALL HAVE A MIN. (2) CELLS OF (1) #5 JAMB STEEL EACH SDIE OF OPENING.

9. WHERE MECHANICAL DUCTS PASS THROUGH MASONRY WALS, PROVIDE L2 AT 8" CMU WALLS.

**NEW OPENING IN EXSTING 12"** MASONRY WALL DETAIL

— BEAM

REPLACE JAMB BLOCKS AND GROUT SOLID WITH FINE OR COARSE GROUT. GROUT FILL EXTENDS TO SLAB. SURFACE TREATMENT TO MATCH ORIGINAL TOOTH AS REQ'D. TO



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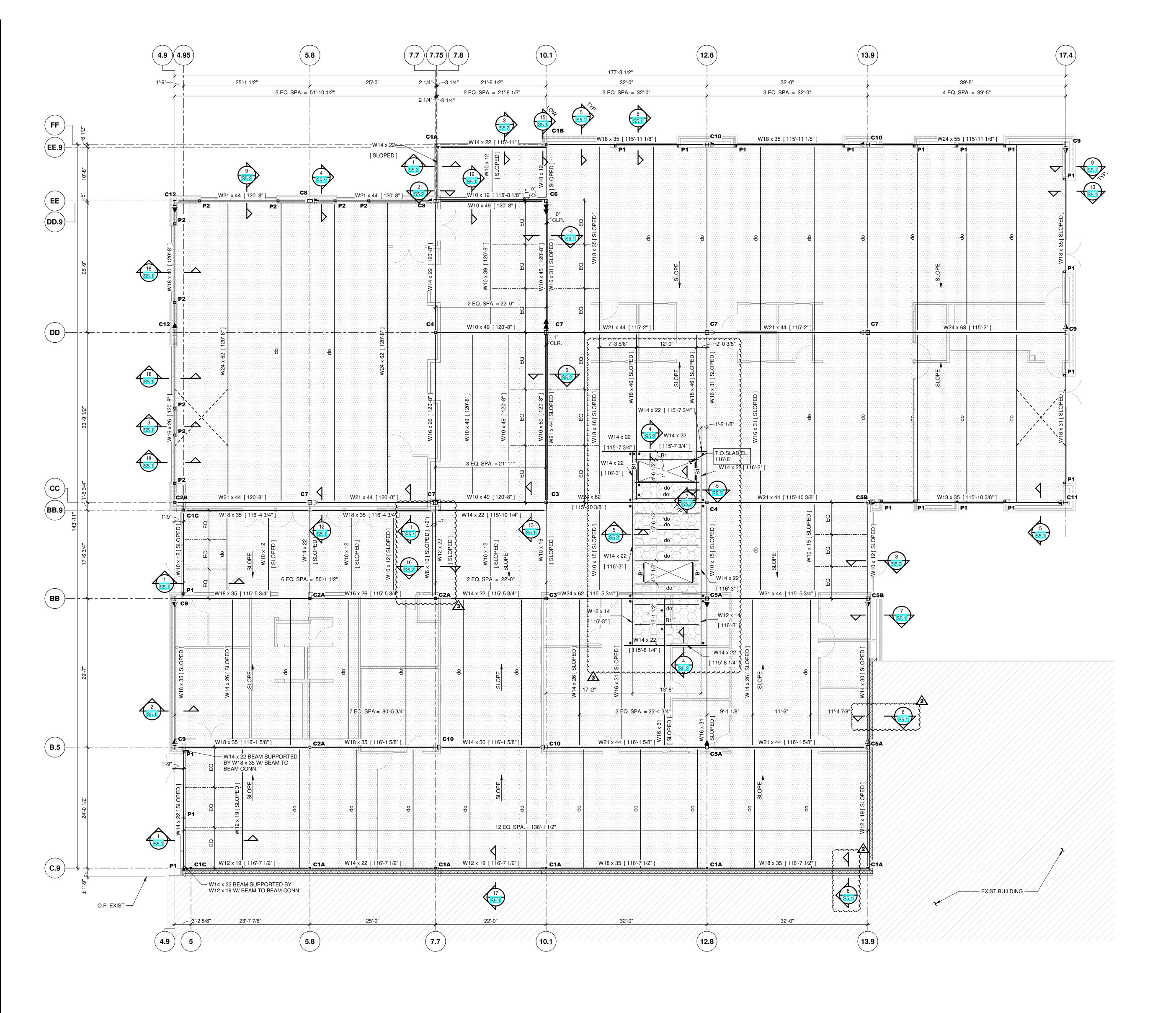
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LINTEL PLAN

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**LEGEND**:

C1 — DENOTES COLUMN MARK (SEE COL. SCHED. ON DWG. S1.2)

DENOTES OUTSIDE FACE

[ 128'-9" ] DENOTES TOP OF BEAM ELEVATION

DENOTES HSS4 x 4 x 3/16 POST. SEE DTL. 9/S1.3 FOR CONN. TO BEAM. DENOTES HSS5 x 5 x 3/16 POST.

SEE DTL. 9/S1.3 FOR CONN. TO BEAM. DENOTES LIMITS OF 3" x 18 GA. ROOF DECK (SEE PLAN NOTES)

DENOTES LIMITS OF MECHANICAL EQUIPMENT 5" CONC. SLAB & DECK

SLOPE SLOPE (COORD. PITCH W/ ARCH.) DENOTES 13 x 3 x 1/4 HORIZONTAL X-

BRACING @ ROOF BEAM BOTTOM FLANGE - ATTACH EACH END & INTERSECTION W/ 3/16"x 2" LONG FILLET WELD EACH SIDE OF ANGLE

DENOTES HSS BRACE EXTENDING FROM BEAM BOTT. FLANGE TO BEAM TOP FLANGE AT BEAM 1/3RD POINTS (WELD EA. END).

DENOTES C10 x 15.3 BEAM.

DENOTES MOMENT CONNECTION (SEE DTLS. 7/S1.3 & 8/S1.3)

DENOTES OUTSIDE FACE

TOS [116'-3"]

DENOTES COPED BEARING CONDITION. SEE DTLS. 3/S1.2 & 4/S1.2

DENOTES 8" CMU WALL

**PLAN NOTES:** 

1. ROOF DECK: 3" DEEP, 22 GA. PAINTED WIDE RIB STEEL DECK (SEE STEEL DECK GENERAL NOTES FOR ATTACHMENT REQUIREMENTS). 2. MECHANICAL EQUIPMENT SLAB: 5" NORMAL WEIGHT CONCRETE SLAB

REINFORCED W/ 4 x 4-W4.0 x W4.0 WWF ON 1" DEEP, 24 GA. GALVANIZED FORM DECK- PLACE REINFORCEMENT 1 1/2" CLR. FROM TOP OF SLAB (SEE STEEL DECK GENERAL NOTES FOR ATTACHEMENT REQUIREMENTS). 3. TOP OF STEEL DENOTES TOR OF MAIN STEEL

4. TOP OF STEEL EL. VARIES, SEE PLAN.

RFI CON-2 5. ALL ELEVATIONS BASED ON FINISH FLOOR EL. 100'-0". ACTUAL FIN. FLR. EL. 1295.15' AS ESTABLISHED BY EDG.

6. SEE DWGS. S1.2 & S1.3 FOR GENERAL NOTES AND TYPICAL DETAILS. 7. SEE DWG. S1.2 FOR COLUMN SCHEDULE. 8. SEE ARCH. DWGS. & FOUNDATION PLAN FOR DIMENSIONS NOT SHOWN.

(uuuuuuuuuu)

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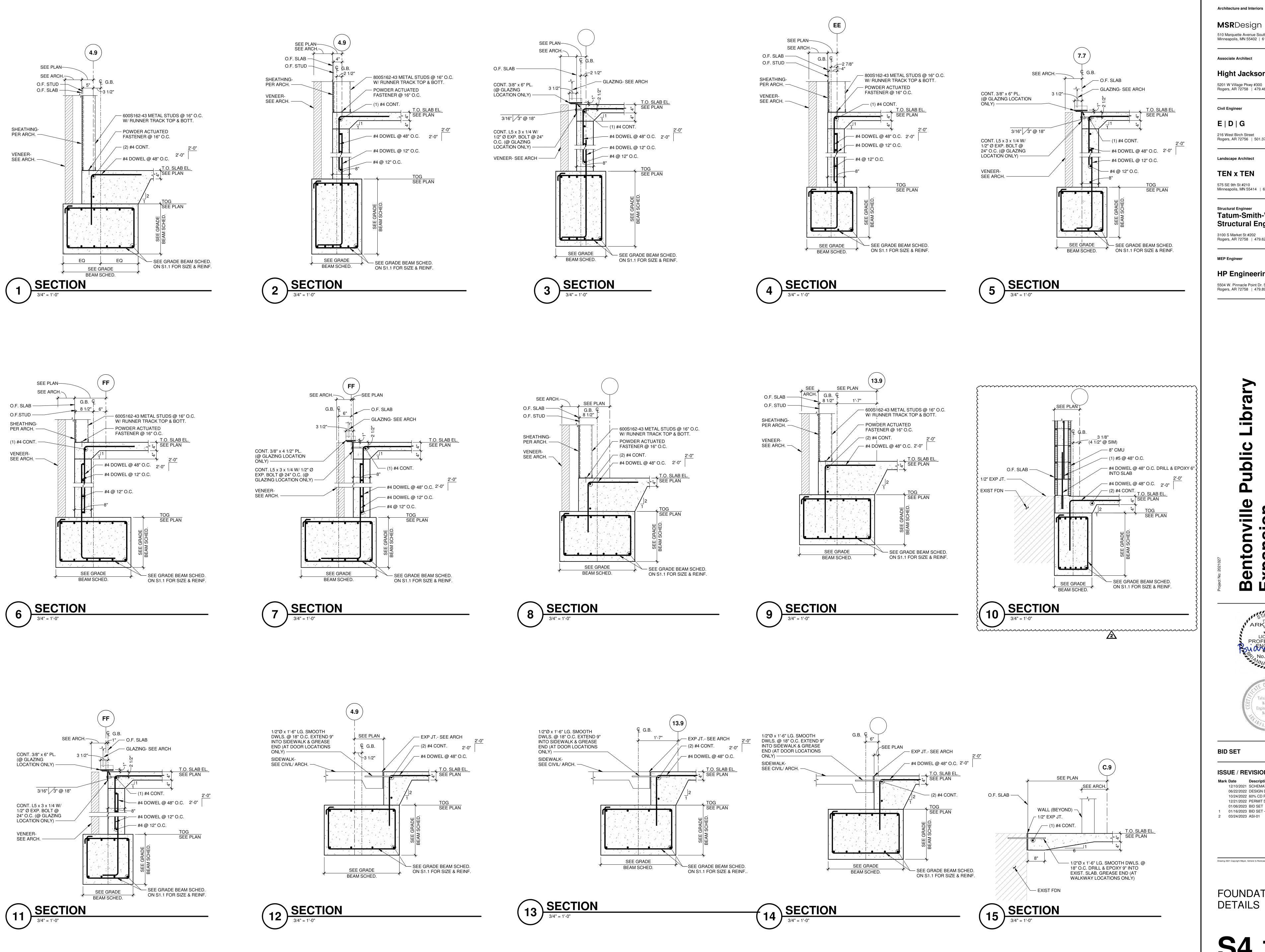
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**ROOF FRAMING PLAN** 

**S3.1** 

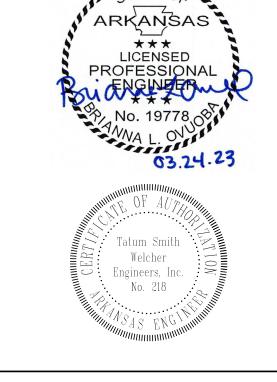


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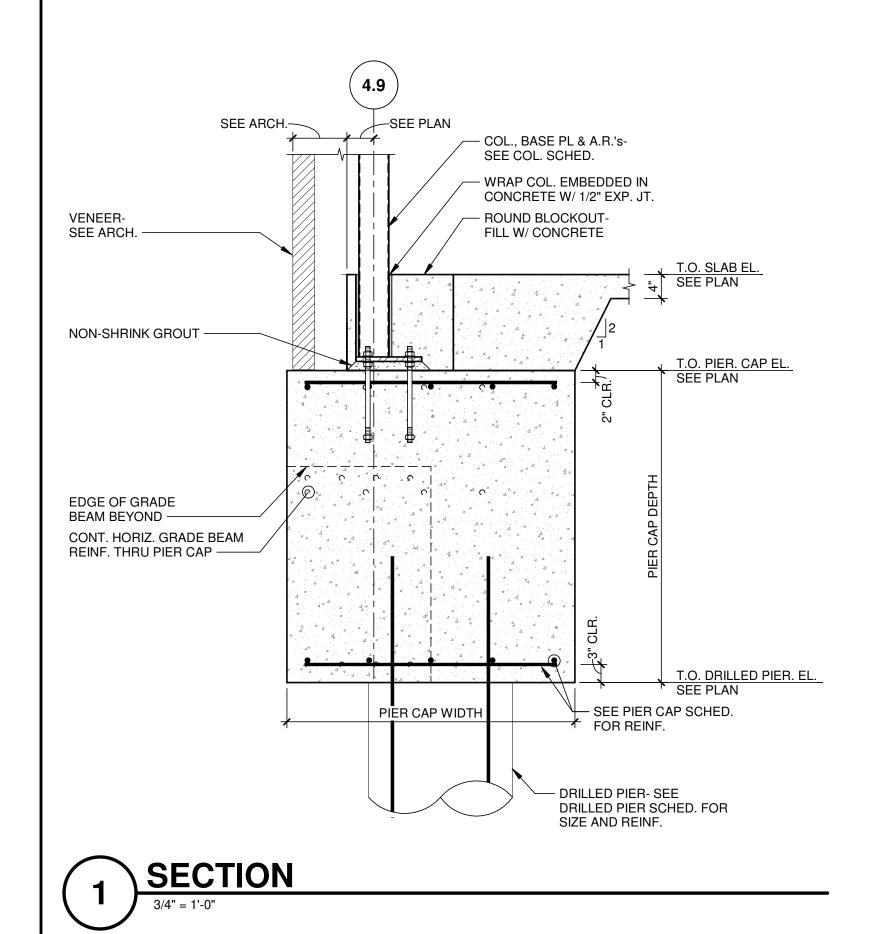


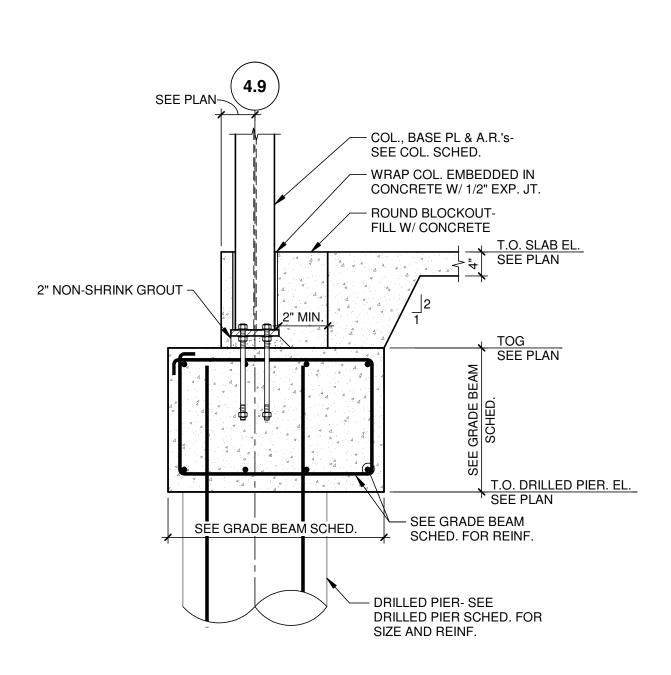
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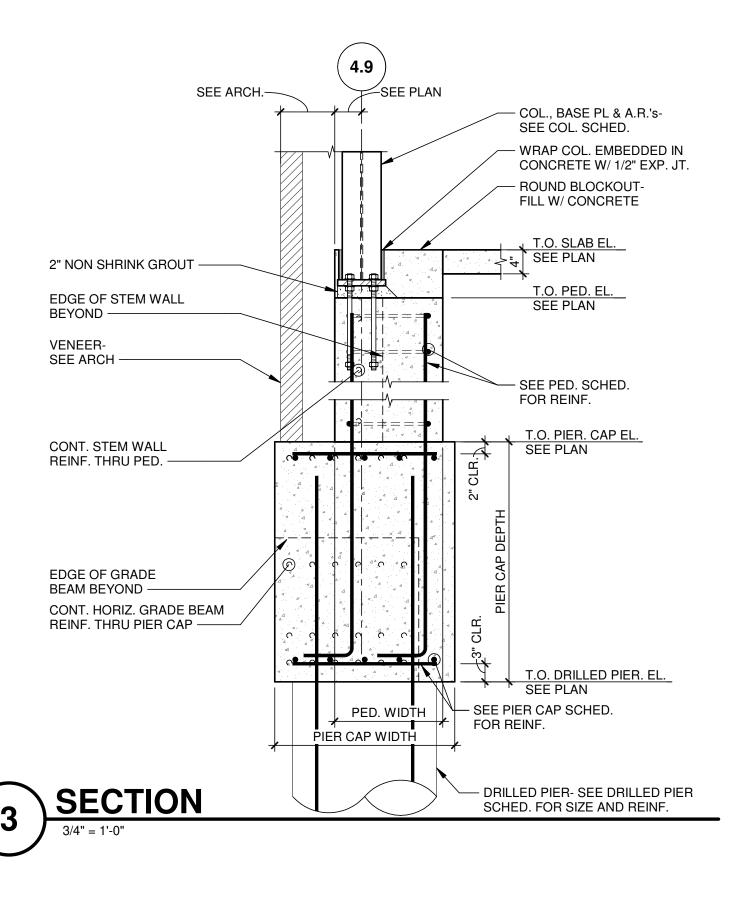
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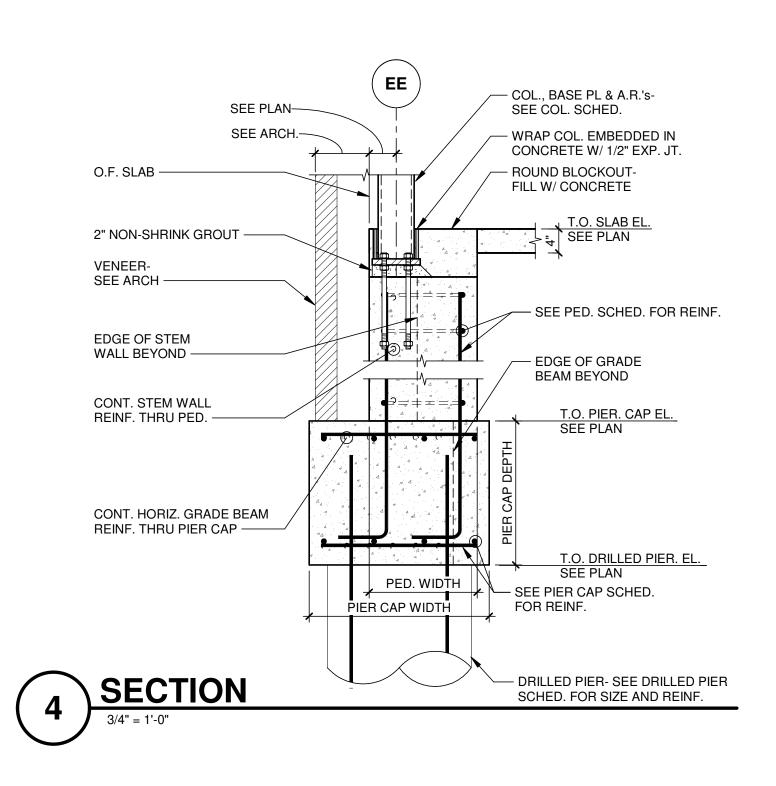
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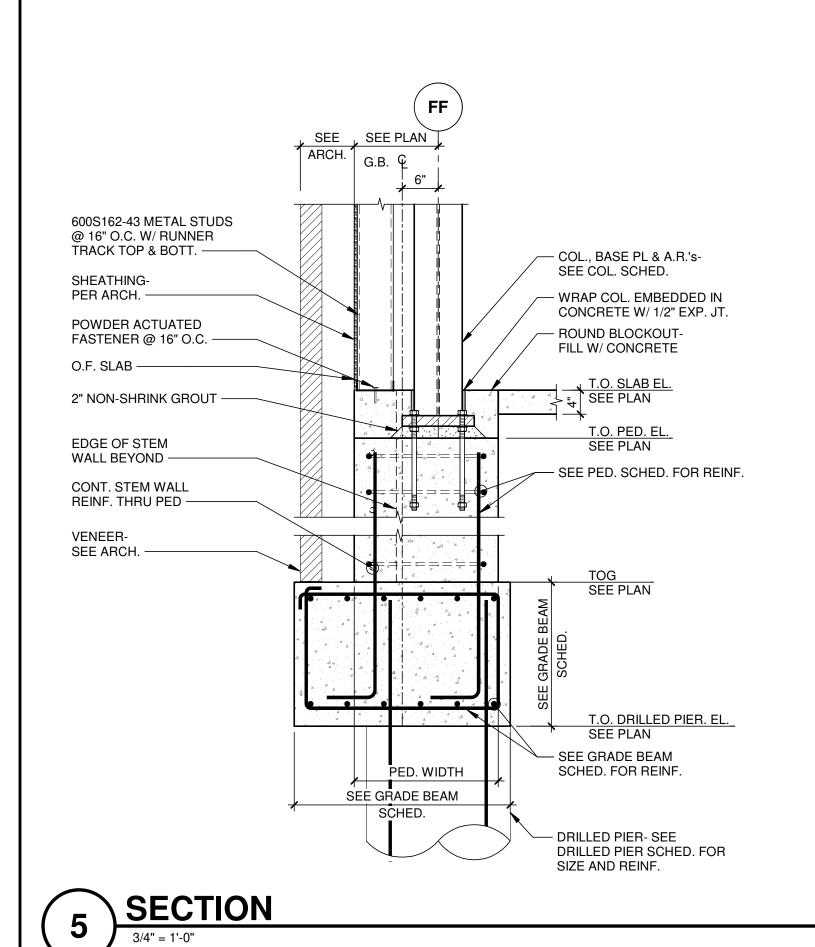
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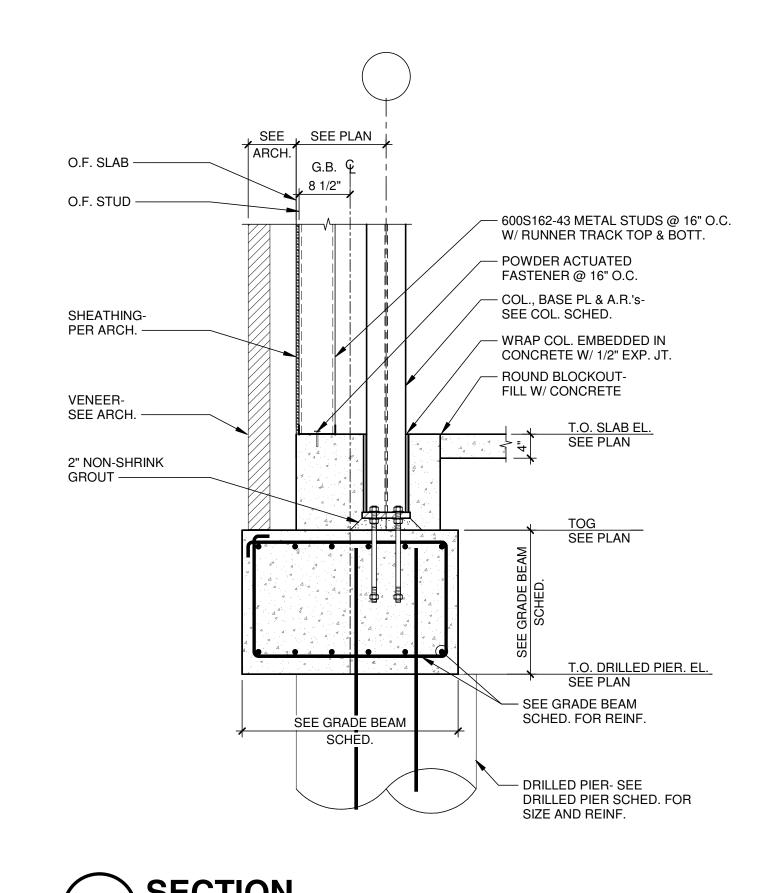


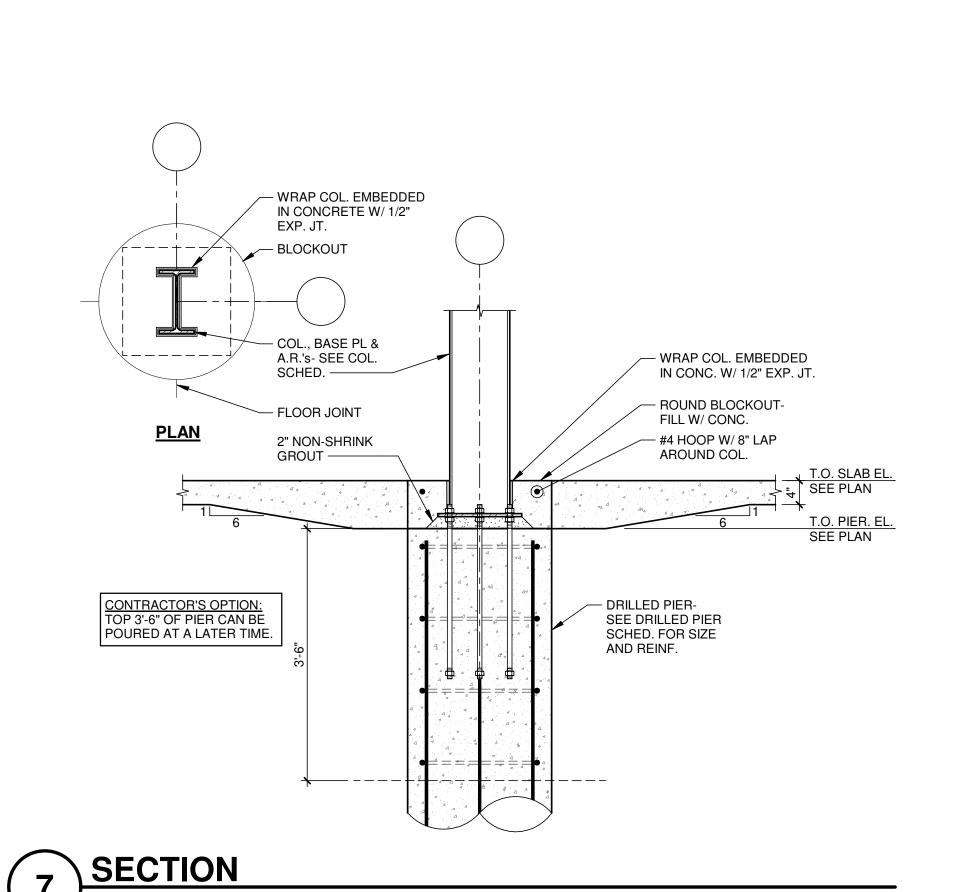


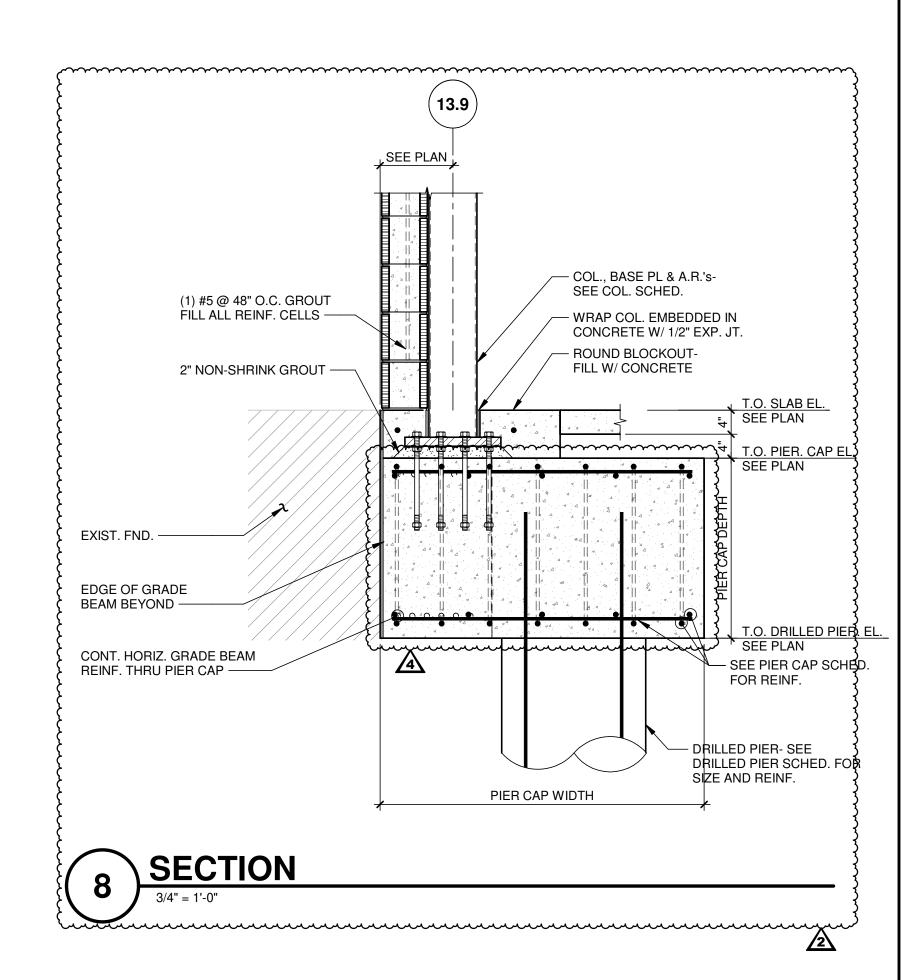












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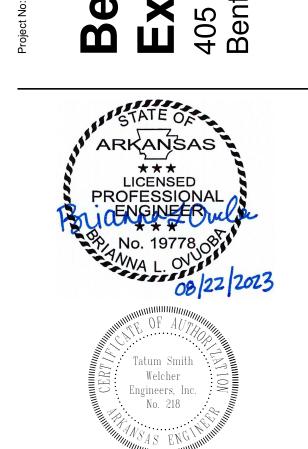
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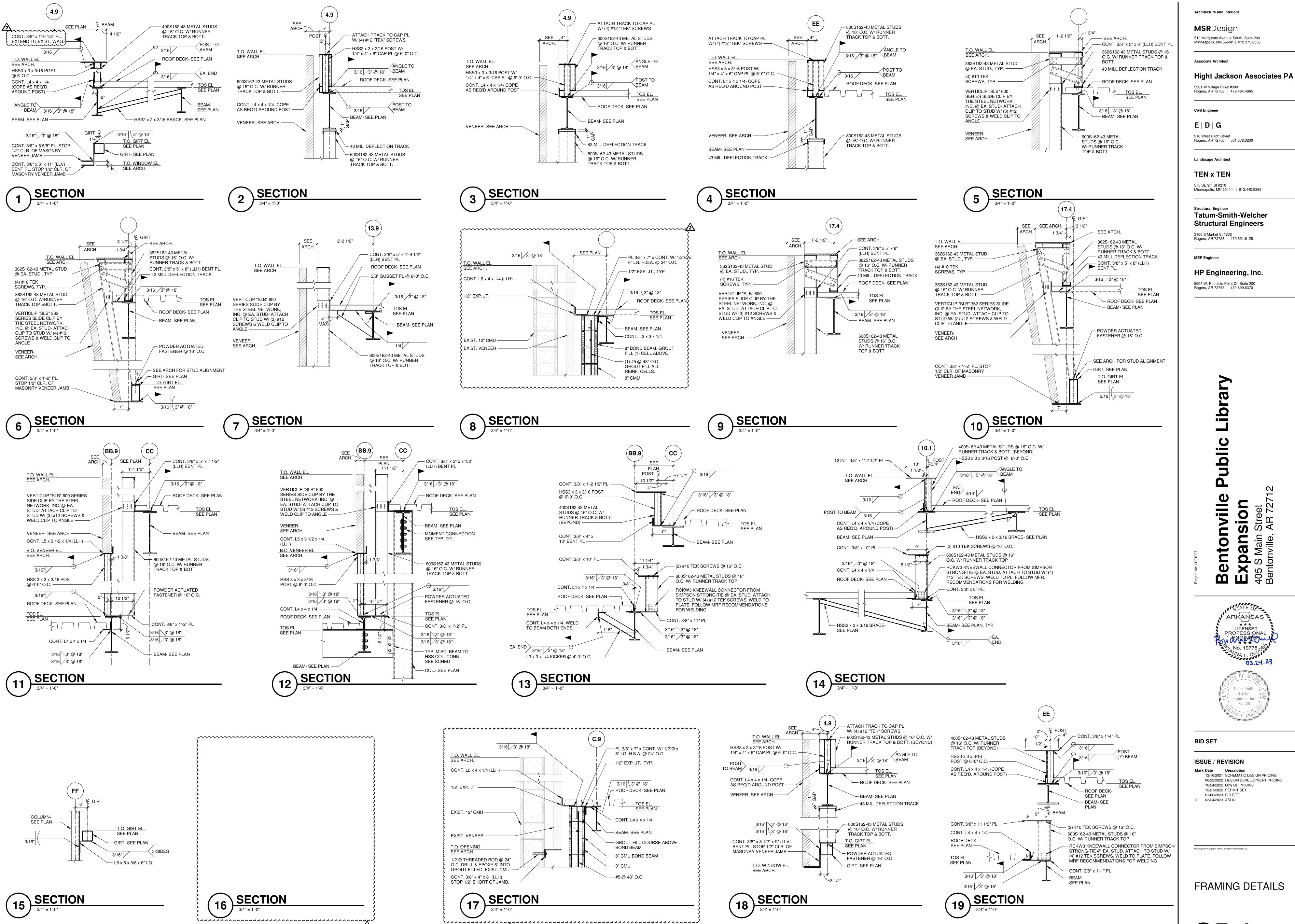
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DETAILS

**S4.2** 

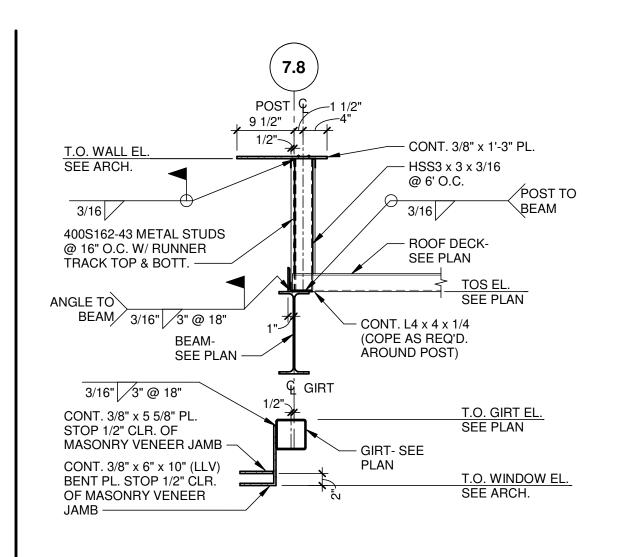


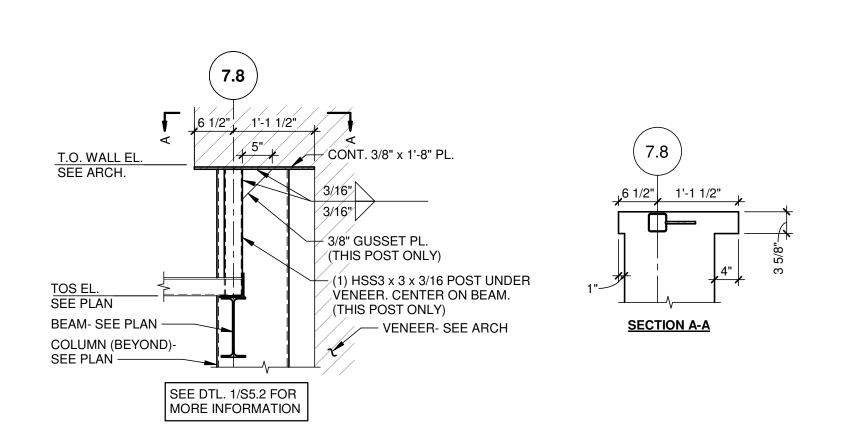
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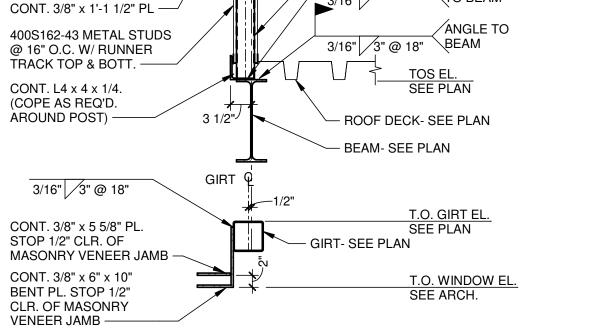
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FRAMING DETAILS





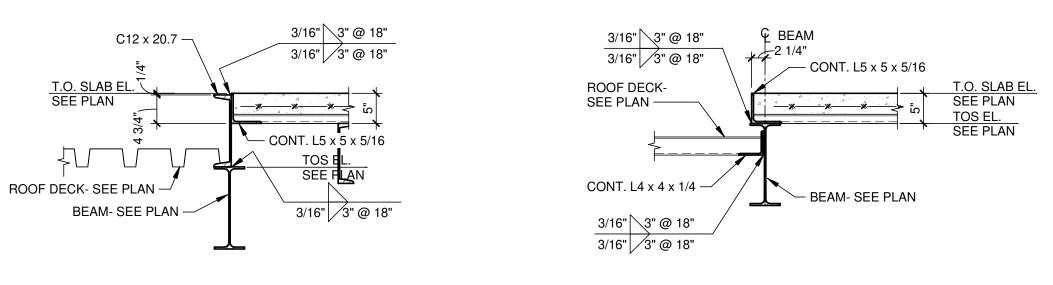


ATTACH TRACK TO PL W/ (2)

#10 TEK SCREWS @ EA. STUD

— HSS3 x 3 x 3/16 POST @ 6'-0" O.C.

TO BEAM





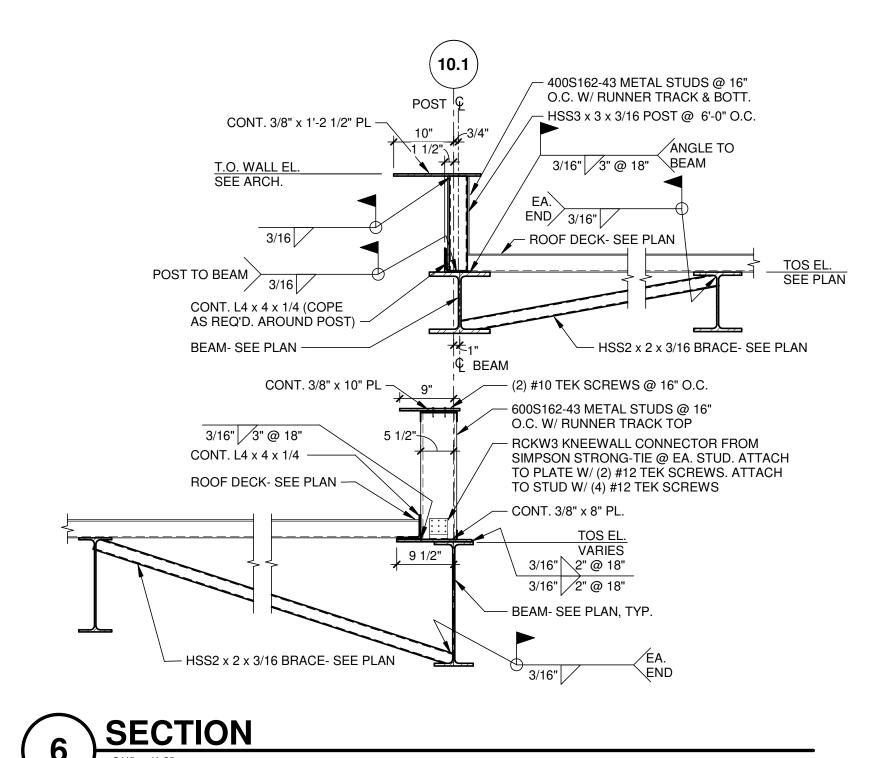


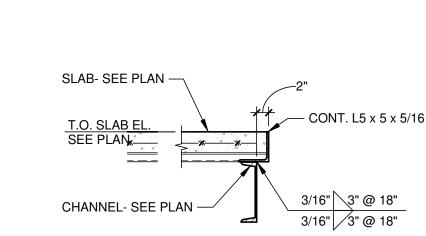


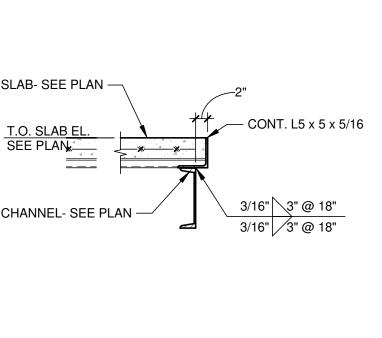
T.O. WALL EL. SEE ARCH.

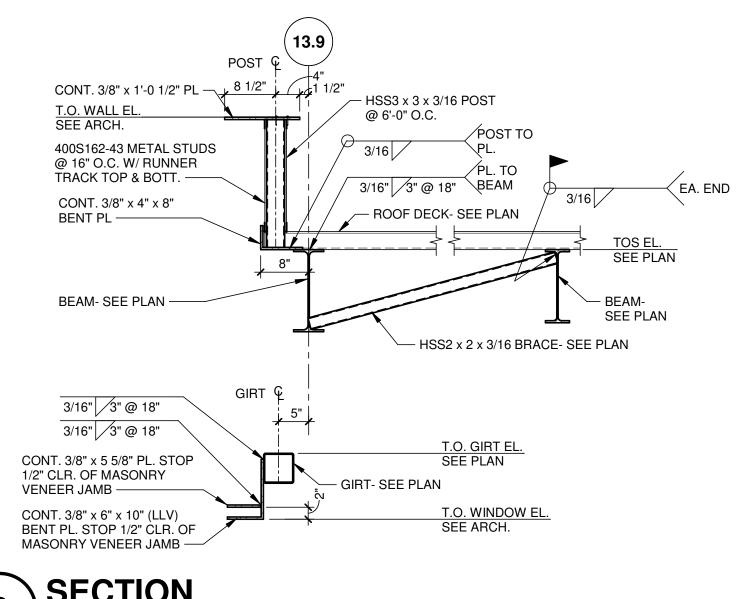


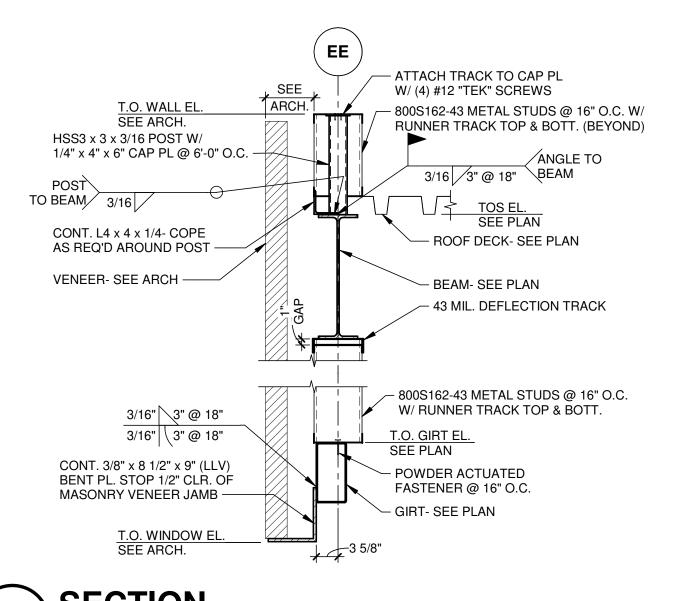


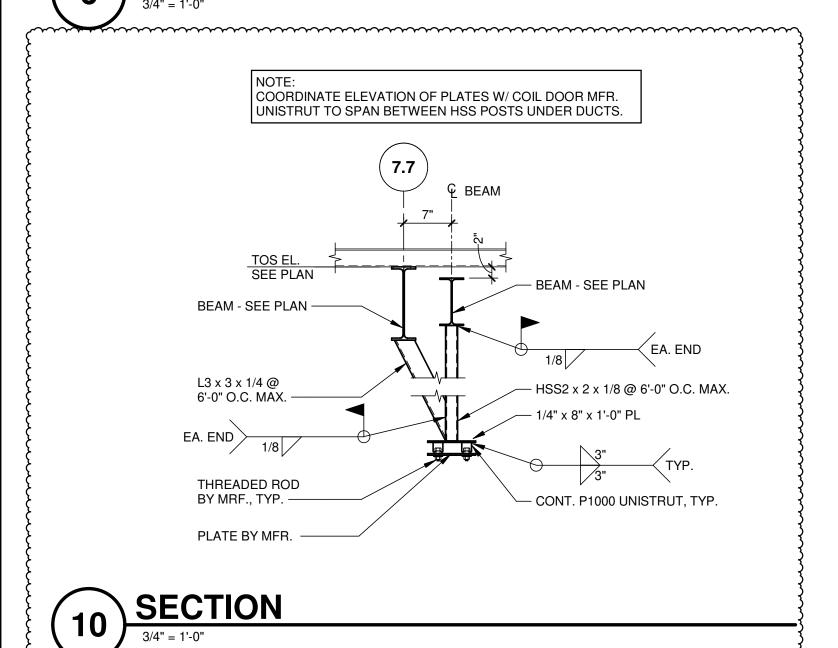




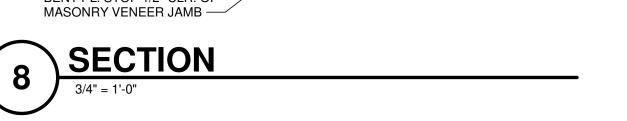














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