DESIGN CR 1. STRUCTURE HAS BEEN DESIGNED			
1. STRUCTURE HAS BEEN DESIGNED	ITERIA AND LOADS	GENERAL	
IBC 2018 ASCE/SEI 7-16	TO COMPLY WITH:	1. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE ENGINEER OR THEIR EMPLOYEES AND SUBCONSULTANTS AT THE CONSTRUCTIO SHALL RELIEVE THE CONTRACTOR AND ANY OTHER ENTITY OF THEIR OBLIGATION	N SITE, NO
ACI 318-14 ACI 530-13		DUTIES AND RESPONSIBILITIES INCLUDING BUT NOT LIMITED TO, CONSTRUCTION METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFOR	I MÉANS, 2. SO RMING, PIL
AISC 360-16 AISC 341-16, INCLUDING SUPPLEM AWS D1.1	ENTS	SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE CONSTRUCTION WO ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND 1	AN
AISI S100 TMS 402/602-16		PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONN WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS. THE CONTRACTOR	EQ NECTION AC
2. RISK CATEGORY	IV	SOLELY RESPONSIBLE FOR THE JOBSITE SAFETY. THE ENGINEER AND THE ENGIN CONSULTANTS SHALL BE MADE ADDITIONAL INSUREDS UNDER THE CONTRACTOR	NEER'S PAS
3. SEISMIC: SEISMIC DESIGN CATEGORY IMPORTANCE FACTOR	C 1.50	GENERAL LIABILITY INSURANCE POLICY. 2. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE A PART OF THE CO	3. ALL ONTRACT BAG
SOIL CLASSIFICATION PER GEOTECHNICAL REPORT	D	DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REV COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START O	VIEW AND AT
Ss S1 Sds	0.072 g 0.045 g 0.077 g	CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION O ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN B ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS	BE MIN
Sd1 SEISMIC FORCE RESISTING SYSTE	0.073 g M STEEL SYSTEM NOT SPECIFICALLY DESIGNED	CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OV EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.	
R C₀	FOR SEISMIC 3 3	3. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR JOBSITE PRIOR TO CONSTRUCTION, START OF SHOP DRAWINGS, START OF	R AT THE 4. EX TO
Ω_0 ANALYSIS PROCEDURE	3 EQUIVALENT LATERAL FORCE PROCEDURE	CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CON	FOI NTRACT
BASE SHEAR, STRENGTH LEVEL 4. WIND:	V = C _S x W = 0.025 x 5386 = 136 KIPS,	DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION. 4. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND	5. THI SH/ DREPAIR
BASIC WIND SPEED EXPOSURE CLASS	120 MPH C	OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A R OF NEW WORK.	RESULT 6. AN ANI
MWFRS DESIGN PRESSURE NET ROOF UPLIFT PRESSURE C&C DESIGN PRESSURE	SEE TABLE THIS SHEET 20 PSF [LC: 0.9DL + 1.0WL] PER APPLICABLE BUILDING CODE	5. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FO STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTE	
6. LIVE LOADS:		ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL SO CONSTRUCT WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURA	AL, REI
TYPICAL ROOF TYPICAL FLOOR HANDRAILS	100 PSF (REDUCIBLE) 150 PSF (REDUCIBLE) MAX SIMULTANEOUS VERT AND HORIZ THRUST	MECHANICAL AND ELECTRICAL DESIGN. 6. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED 1	CLA TO BE 8. WH
	50 PLF APPLIED AT THE TOP OF THE RAILING OR 200 LBS IN ANY DIRECTION	CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.	R SHALL AV/
FUTURE FLOORS: 7. SNOW:	4 ADDITIONAL FLOORS AT SIMILAR LOADING	7. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCA DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO	
GROUND SNOW SNOW EXPOSURE FACTOR	25 PSF 1.0	DETERMINE FINAL DIMENSION WITH ARCHITECT.	EXI TO
THERMAL FACTOR IMPORTANCE FACTOR FLAT-ROOF SNOW	1.0 1.2 24 PSF	 TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT TH THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAI GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. 	
DESIGN SNOW DRIFTING SNOW	25 PSF ADDITIONAL 50 PSF OVER 12FT	9. THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED	PO
	ND STABILITY OF THE BUILDING IN THE COMPLETED	STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE ST AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INC	
BRACED FRAMES IN EACH ORTHO LOCATIONS. THE CONCRETE ON M	GONAL DIRECTION. REFER TO PLANS FOR IETAL DECK FLOORS SERVE AS HORIZONTAL	BUT NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUC EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR STRU	CTION PER UCTURAL GR
	ATERAL WIND AND SEISMIC FORCES TO THE IICH IN TURN CARRY THE LOAD TO THE BUILDING	ENGINEER SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES F ABOVE.	
HEIGHTS	MWFRS DESIGN PRESSURE	10. SEE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS,	INC GR
0'-15' 15'-45' 45'-75'	36 PSF 41 PSF 44 PSF	CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF/FLOOR OPENINGS, ST SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, E SHOWN ON THE STRUCTURAL DRAWINGS.	
45-75 75'-105' 105'-135'	44 PSF 46 PSF 47 PSF	11. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRI	FO ICAL AND INH
COMPONENTS AND CLADDING WI	ID PRESSURE	PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOC/ SHOWN FOR DUCTS, PIPE, INSERTS AND OTHER PENETRATIONS WHEN SHOWN A GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.	
WALL ZONE EFFECTIVE ARI ZONE 4 50 OR LESS	46	12. NO HOLES, NOTCHES, BLOCKOUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMEN	SO NTS DIA
ZONE 4 50 TO 200 ZONE 4 200 TO 500 ZONE 4 GREATER THAN		UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVEI STRUCTURAL ENGINEER.	10. FOI
ZONE 5 50 OR LESS ZONE 5 50 TO 200 ZONE 5 200 TO 500		13. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, EACH BIDDER SHALL VISIT TH PREMISES AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPE OF EQUIPMENT,	NE
ZONE 5 GREATER THAN	N 500 50	BID SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK WITHIN THE EXISTING CONDITIONS.	
ROOF ZONEEFFECTIVE ARIZONE 150 OR LESSZONE 150 TO 200		14. SHOP DRAWINGS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING R	
ZONE 1 200 TO 500 ZONE 1 GREATER THAI	51 1 500 46	BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR AND REVIEW BY THE ARCHITECT SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN	
ZONE 2 50 OR LESS ZONE 2 50 TO 200 ZONE 2 200 TO 500	105 93 83	WITHOUT REVIEW BY THE ARCHITECT/STRUCTURAL ENGINEER. 15. SHOP DRAWINGS SHALL BE REVIEWED BY THE ARCHITECT/STRUCTURAL ENGINE	ER FOR 2. MIN
ZONE 2 GREATER THAN ZONE 3 50 OR LESS	1 500 76 143	GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THARCHITECT/STRUCTURAL ENGINEER ON THE SHOP DRAWINGS DO NOT RELIEVE	HE OU THE
ZONE 3 50 TO 200 ZONE 3 200 TO 500 ZONE 3 GREATER THAN	127 114 1 500 105	CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS A SPECIFICATIONS.	שמא
		16. ELEVATIONS ARE BASED ON THE FIRST FLOOR ELEVATION OF (+234' - 6") WHICH EQUIVALENT TO CIVIL ELEVATION (+235' - 0").	IS
		17. EXISTING CONDITIONS: A. EXISTING STRUCTURAL INFORMATION SHOWN WAS OBTAINED FROM EXISTING	IG 3. BAI
		DRAWINGS DATED MARCH 1947 BY ELLERBE AND COMANY. B. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONAL TO USE IN THE BEST PRESENT KNOWLEDGE. CONTRACTOR TO VERIFY EXISTING AS THE BEST PRESENT KNOWLEDGE.	3. BAI SPI TIONS IS GIV
		INFORMATION, DIMENSIONS AND SIZES AS REQUIRED TO COMPLETE THEIR W WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BI	/ORK.
		REPORTED TO THE AOR OR SEOR SO PROPER CLARIFICATION MAY BE MADE. MODIFICATION OF CONSTRUCTION DETAILS SHALL NOT BE MADE WITHOUT W APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.	
		DEMOLITION	#4 #5
		1. ALL DEMOLITION SHALL BE CARRIED OUT IN SUCH A WAY AS TO NOT DAMAGE	#6 #7
		EXISTING ELEMENTS WHICH ARE TO REMAIN. 2. ALL ELEMENTS WHICH ARE TO REMAIN AND WHICH ARE DAMAGED DURING	#8 #9
		DEMOLITION WORK SHALL BE REPLACED AT NO ADDED COST. EXISTING ELEMENTS ARE TO BE PROTECTED TO THE FULLEST EXTENT POSSIBLE TO	LAF
		REDUCE SUCH DAMAGE TO A MINIMUM.	A M 1.3. FRI
		SHORING 1. WHERE THERE IS NOT SUFFICIENT SPACE FOR SLOPED EMBANKMENTS, SHORING	G 4. USI
		WILL BE REQUIRED. REFER TO CONTRACT DOCUMENTS.	BAI
		2. REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING THE DESIGN AND INSTALLATION OF THE SHORING. SHORING THAT IS NOT PART OF THE PERMANENT BUILDING SUPPORT IS THE CONTRACTOR'S RESPONSIBILITY	1. CO
		AND OUTSIDE THIS PERMIT.	
			DRILL
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INEER, NOR THE PRESENCE OF THE INTS AT THE CONSTRUCTION SITE, NTITY OF THEIR OBLIGATIONS,				D ON THE GEOTI EPORT IS ON FIL)			REQUIRI	ED BY THE GOV		IED FOR ALL LO/ NG CODES IN AI GS.
IMITED TO, CONSTRUCTION MEANS, S NECESSARY FOR PERFORMING, OF THE CONSTRUCTION WORK IN D ANY HEALTH OR SAFETY	F	PILES: CAPACITY NTICIPATED DE		EOTECHNICAL RI	125 TONS 100 FT BE	ELOW TOP OF	MAT SLA	В		INCLUDE BIDDING	D IN THESE DO PURPOSES ON	CUMENTS ARE	NCE SPECIFIED. TO BE CONSIDE IZES INDICATED
ICIES. THE ENGINEER AND THEIR CONTROL OVER ANY THEIR EMPLOYEES IN CONNECTION AUTIONS. THE CONTRACTOR IS E ENGINEER AND THE ENGINEER'S	E A F	ROST DEPTH QUIVALENT FLL CTIVE PRESSUI T REST PRESSU PASSIVE PRESSU	RE JRE JRE	<u>.</u>	55 PSF/F1 290 PSF/F	ATED) T, DRAINED T, DRAINED FT OF DEPTH				TRADES SUGGES THE RES	IS REQUIRED. (TED SUPPORT.	CONNECTION D ALL ACCESSO F THE SUPPLIEI	CHANGING, CO ETAILS ARE ONI RIES FOR COMP R BASED ON LO
S UNDER THE CONTRACTOR'S	3. A		NS SHALL BE P	ROPERLY AND S				E		EFFECTS	, INCLUDING B	UT NOT LIMITED	TIONS MUST TAI D TO PANEL SHR
ED TO BE A PART OF THE CONTRACT RESPONSIBLE FOR THE REVIEW AND ONS PRIOR TO THE START OF UGHT TO THE ATTENTION OF THE SO A CLARIFICATION CAN BE HE CONTRACT DOCUMENTS OR ANY CONTRACTOR AT THEIR OWN RCHITECT.	A F N S E	TTAINED SPECI PROTECT ALL WA LOORS ARE CO MINIMUM. BACKF SUPPORTED SLA BRACED TO RES	FIED COMPRE ALLS BELOW (MPLETELY IN I FILLING IS NOT AB TOP AND BO IST LATERAL L	BASEMENT WALI SSIVE STRENGT GRADE FROM LA PLACE AND HAV PERMITTED FO DTTOM IS IN PLA OADS. CONTRA DR SHORING AN	TH. CONTRAC TERAL LOAD (E ATTAINED R FOUNDATH CE OR THE N CTOR SHALL	CTOR SHALL B OS UNTIL SUPF 7-DAY STREN ION WALLS UN WALL IS ADEQ PROVIDE FO	RACE OF PORTING GTH TIL UATELY			SHALL B PRECAS UNLESS RESTRA	RING TO THE A T PANEL DETAIL NOTED ON THE NT FORCES DE TELY DESIGNEL	TTENTION OF T LS REQUIRED T PRECASTER'S VELOPED IN TH	WING AND/OR EI HE STRUCTURA O ACCOMMODA SHOP DRAWING HE EMBED CONN SISTED BY THE F
RIFIED BY THE CONTRACTOR AT THE DRAWINGS, START OF S. IF DISCREPANCIES ARE	4. E T	XTREME CARE	SHALL BE EXE RUCTURES OR	RCISED WHEN E MPROVEMENT , UTILITIES, ETC.	EXCAVATING	OR GRADING				CONNEC FORMED	TIONS SHOWN OPENINGS AN	ON STRUCTUR D CUTOUTS SH	. PROVIDE EMBE AL DRAWINGS A OWN ON ARCHI TES, OPENINGS
NOT COVERED BY THE CONTRACT R CLARIFICATION.				ONSITE CLAYEY			ΜΡΑCΤΙΟ	N					RESTRESSING V OR TO FABRICAT
FOR THE PROTECTION AND REPAIR H MAY BE DAMAGED AS A RESULT	6. A A	NY IMPORT FILL	SOIL REQUIR	ED SHALL HAVE THE GEOTECHN	A LOW POTI	ENTIAL FOR E					S SERVING AS	THE BASIS OF I	LED ANCHO DESIGN ARE SHO MAY BE SUPPLI
IENTS AND DIMENSIONS FOR AIL DIMENSIONS TO FIT INTRICATE CTOR SHALL SO CONSTRUCT THE QUIRED BY ARCHITECTURAL,	ll F	NSPECTION AGE	ENCY. VARIATI BE REPORTED	FORMED UNDEF ONS IN SITE COI TO THE ARCHIT OCEEDING.	NDITIONS AN	ID THE GEOTE	CHNICAL			AND COI AND COI STRUCT MANUFA	IFIGURATION M IFIGURATION. A JRAL ENGINEE	IATCH THE CAF ANY ALTERNATI R FOR REVIEW. TTEN INSTRUC	PACITY OF THE D ES ARE TO BE S INSTALL IN ACC TIONS. BELOW S
AWINGS ARE CONSIDERED TO BE QUIRED, THE CONTRACTOR SHALL I THE WORK.	A	VAILABLE, TEMI	PORARY UNSL	REQUIRED, AND JRCHARGED EX(NS SHALL BE IN	CAVATIONS I	MAY BE SLOPE		IN	2.		ICAL ANCHORS		
VE PRECEDENCE OVER SCALED	C E	SEOTECHNICAL BARRICADES, ET	REPORT. THE C., TO PREVE	TOP OF EXCAVA	ATIONS SHAL	L BE PROTEC MED TO PREV	ENT WAT	ER		ORED	BASIS O	F DESIGN	ACCEP
RAWINGS. CONTRACTOR TO	E T	XISTING BUILDI O 1.5:1 (HORIZO	NGS OR IMPRO	D ERODING THE DVEMENT, THE E TICAL) DOWNWA	EXCAVATION	I SHALL BE RE HE TOE OF TH	STRICTE	NG	CRA	TO CKED		LT TZ [ESR-191]	DEWALT PO
RRING ON THE PROJECT THAT ARE RENCED. WHERE NO DETAILS ARE IILAR WORK.	E	BY THE ARCHITE	CT. IF AMPLE	AL PROCEDURE SPACE IS NOT A CONSTRUCTION	VAILABLE FC	OR THE REQUI	RED	ED	CONC	RETE		-	SIMPSON
EPRESENT THE FINISHED F CONSTRUCTION. THE		OSSIBLE ALTER		BE PROVIDED BY	MEANS OF	EITHER WEEP	HOLES	ſ	ANCH	ORED			ACCEP
SSARY TO PROTECT THE STRUCTURE SUCH MEASURES SHALL INCLUDE, LOADS DUE TO CONSTRUCTION BY THE ARCHITECT OR STRUCTURAL	S F	SYSTEM OF SUB PERFORATED PIL GRADE AT THE T	DRAINS. FOR T PE SHOULD BE OE OF THE W	NSTALLED BEHIN THE SUBDRAIN S E BELOW THE BO ALL. DRAINS SHO	SYSTEM, THE OTTOM OF TH OULD CONSI	E TOP OF THE HE ADJACENT IST OF A DRAII	SLAB OF N ROCK	R	CRA	TO CKED CRETE		F DESIGN	
OVAL OF THE ABOVE ITEMS AND F THEIR RESPONSIBILITIES FOR THE	() 	ROUND SURFA NSTALLED, WITH NCH-THICK BED	CE. FOUR-INC I PERFORATIC OF DRAIN RO	IICK THAT EXTEI H-DIAMETER PE DNS DOWN, ALOI CK. THE PIPE SH	RFORATED F NG THE BASI IOULD BE SL	PLASTIC PIPE S E OF THE WAL OPED TO DRA	Should I .l on a 2: .in by			ASTM A1	93 GRADE B7 R	ODS, HEAVY D	OF DEFORMED JTY NUTS AND V WHERE ANCHO
DRAWINGS FOR DETAILS, ROOF/FLOOR OPENINGS, STAIRS, STRUCTURAL ELEMENTS, ETC., NOT	S II N	SUCH AS 3/4" CR N A GEOTEXTILE AIGRATION OF F	USHED ROCK, E FILTER FABR INE-GRADED S	NAGE FACILITY. / COULD BE USE IC (MIRAFI 140 N SOILS INTO THE	D PROVIDED OR EQUIVAI DRAIN ROCK) THE ROCK IS LENT) TO RED (. PAVING OR /	WRAPPE UCE THE A TWO-	ſ	ANCH		Y, A SCREEN T	F DESIGN	
FOR MECHANICAL, ELECTRICAL AND S. OPENING SIZES AND LOCATIONS TRATIONS WHEN SHOWN ARE FOR D PRIOR TO FORMING.	li A F	NHIBIT SURFACE PPROPRIATE D ROVIDED BY PE	E WATER INFIL RAINAGE FACI ERFORATED DI	OIL SHOULD BE TRATION. DRAIN LITY. ALTERNAT RAINAGE MATEF DRAINAGE MATE	IPIPES SHOL IVELY, WALL RIAL, SUCH A	JLD OUTLET T _ BACK-DRAIN/ \S MIRADRAIN	O AN AGE CAN 6000 OR	BE		TO CRETE		200 [ESR-3187]	
ED IN STRUCTURAL ELEMENTS AL DRAWINGS OR APPROVED BY THE	S	OIL FACE OF TH	IE BASEMENT ORATED PLAS	WALL AND SHO	ULD TERMIN	ATE AT A 4-IN	CH-			SEISMIC	DESIGN CATE	ORY C OR HIG	LL CONCRETE F HER, TENSILE Z ON THE DRAW
ACH BIDDER SHALL VISIT THE	F		JIRED TO DES	ONS FIVE FEET (CEND, THE CON								ST	EEL
AND TYPE OF EQUIPMENT, ETC. THE WORK WITHIN THE EXISTING	ľ			NFORCING S	TEEI				1.	WID	FLANGE SHAF	PES	TO ASTM STAN ASTM A992
ATED PRIOR TO SUBMITTING TO THE BE STAMPED INDICATING REVIEW CTOR AND REVIEW BY THE TE. WORK SHALL NOT BEGIN		CONFORMING TO DEFORMED E	IFORCING STE D THE FOLLOW BARS RE REINFORCII	EL SHALL BE HIG VING STANDARD ASTI NG ASTI	GH STRENGT	0 Fy = Fy =	T STEEL 60 KSI 65 KSI 60 KSI			HSS HSS BASI ANC HIGH	ER ROLLED SHA SECTIONS, ROU SECTIONS, SQ/ E AND CONNEC HOR RODS	JND RECT TION PLATES DLTS	ASTM A36 ASTM A500, (ASTM A500, (ASTM A572 ASTM F1554, ASTM F3125,
NGINEER. TECT/STRUCTURAL ENGINEER FOR ILY. NOTATIONS MADE BY THE RAWINGS DO NOT RELIEVE THE MENTS OF THE DRAWINGS AND		OUTERMOST RE CAST AGAINS EXPOSED TC	INFORCING BA	HALL BE PROVID RS: ANENTLY IN CON R IN CONTACT W	ITACT WITH	LOWS TO THE				HIGH HIGH HEAY WAS		VIST-OFF BOLTS VIST-OFF BOLTS	S ASTM F3125, ASTM A563 ASTM F436 ASTM A108,
TION OF (+234' - 6") WHICH IS		#5 BARS NOT EXPOSE SLABS, Ju SLABS, Ju	OR SMALLER ED TO WEATHE OISTS AND WA OISTS AND WA	ER OR IN CONTA ALLS WITH #14 A ALLS WITH #11 B.	ND #18 BARS ARS OR SMA	1 1/2 OUND S 1 1/2 ALLER 3/4"	2"			HIGH ST "SPECIFI	CATIONS FOR S	SHALL BE INS	AWS 5.1, E70 TALLED IN ACCC DINTS USING HIO D MATERIAL AST
AS OBTAINED FROM EXISTING COMANY. LATIVE TO EXISTING CONDITIONS IS	S	AR SPLICES SH	ALL BE PROVI BE CLASS 'B' A	DESTALS AND TE DED WHERE IND S DEFINED IN AG	DICATED ON ⁻ CI 318. IF SPL	THE DRAWING	S. ALL S NOT		3.	USE TEN	SION-CONTROI	_, "TWIST-OFF",	BOLTS FOR ALL ED ON THE DRA
TRACTOR TO VERIFY EXISTING RED TO COMPLETE THEIR WORK. DRAWINGS, THEY SHALL BE		3000 PSI C		4000 PSI CO	Υ.	,		RETE		FOR ALL			NFORM TO ASTI RENGTH BOLTS
ARIFICATION MAY BE MADE. NOT BE MADE WITHOUT WRITTEN ENGINEER.	BAR SIZE	OTHER	ТОР	OTHER	TOP	OTHER	т	OP	5.	STANDA			LL BE 1/16 INCH
	#4 #5	29 36	38 47	25 31	33 41	23 28		29 36	6.	BOLTS I	I SLOTTED HOL	ES SHALL BE L	
AY AS TO NOT DAMAGE	#6 #7	43 63	56 81	37 54	49 71	34 49		44 63	7.	WELD LE	NGTHS INDICA	TED ON THE DF	, UNLESS DETAI RAWINGS ARE TI BOL IS GIVEN WI
RE DAMAGED DURING D COST. EXISTING	#8 #9	72 81	93 105	62 70	81 91	56 63		72 81		USE MIN	IMUM SIZE WEL	DS AS SPECIFI	ED IN AISC 360, S
EXTENT POSSIBLE TO	A 1	MINIMUM COVE	ER OF 1 BAR D RE DEFINED A	SPACING BETW IAMETER. FOR E S HORIZONTAL E	DEVELOPME	NT LENGTHS,	DIVIDE B			BE WELD IN THE F OF ALL F	DED, UNO. WELI IELD WITH THE IELD WELDS SH	DS INDICATED \ APPROVAL OF IALL BE CLEAR	WITH A SHOP WI THE STRUCTUR LY SHOWN ON T LLY EQUIVALEN
ED EMBANKMENTS, SHORING TS.		JSE LOW HYDRO BARS.	DGEN ELECTR	ODES, GRADE E	-90, FOR WE	LDING OF REII	NFORCIN	G			TIONS DETAILE		BENDING IN THE
ATION REGARDING THE IG THAT IS NOT PART OF			CAST-II	N-PLACE CO	NCRETE					A. STUI MAN	OS SHALL BE AU UFACTURER'S I	RECOMMENDA [®]	END WELDED IN TIONS IN SUCH A END OF THE ST
CTOR'S RESPONSIBILITY	1. C			L CONFORM TO:	DAY	MAX W/C]	SHO WEL	JLD BE NO POF DED END OF TH	ROSITY OR EVIE	DENCE OF LACK HE PLATE. THE S XIMATELY 1/8" F
		INTENDE		STRENG	STH (PSI)		A/E N/A	SLUMP 5"-8"		3/16"	FOR LARGER T	HAN 5/8"ø. WEL	DING SHALL BE ECTION AGENC
		FOUNDA SLAB-ON-	TIONS	40	000	0.45	5-8% N/A	1"-4" 4"-6"		ARCHITE	CTURAL, MECH	IANICAL, AND E	DECK OPENING
		UNLESS NOTED MAT SLAB FC			000	0.45 0.5	5-8% N/A	1"-4" 4"-6"	11.	CUTS, H	DLES, OPENING	S, ETC., REQUI	IIRED OPENINGS
		ORYPACK SHALL		RTLAND CEMEN	T TO SAND V	VITH A MINIMU	IM 28-DA`	Y		BURNIN	G OF HOLES AN	D CUTS IN THE	BE SHOWN ON 1 FIELD SHALL NO STRUCTURAL EN
	F	ROPER DIMENS	SIONS AND PLA	CTURAL AND STR ACEMENT OF ALL GRADE BEAMS A	L ANCHOR B						JRAL DRAWING		IER TRADES UN ED IN WRITING B
				CENTERED UNI									
	V 6. N	VITHOUT APPRO	OVAL OF THE S	REGLETS OR CH TRUCTURAL EN CTURAL ENGINE	IGINEER THR	ROUGH THE AF	RCHITECT						
	7. C	IEIGHT OF MECH	HANICAL EQUI	ROVIDE SHOP DI PMENT PADS ON		,							
	Ą	ND SLAB-ON-GF											

ARCHITECT/ENGINEER OF RECORD ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 | F 763.412.4090 | ae-mn.com Anderson Engineering of Minnesota, LLC | Proj # 15744

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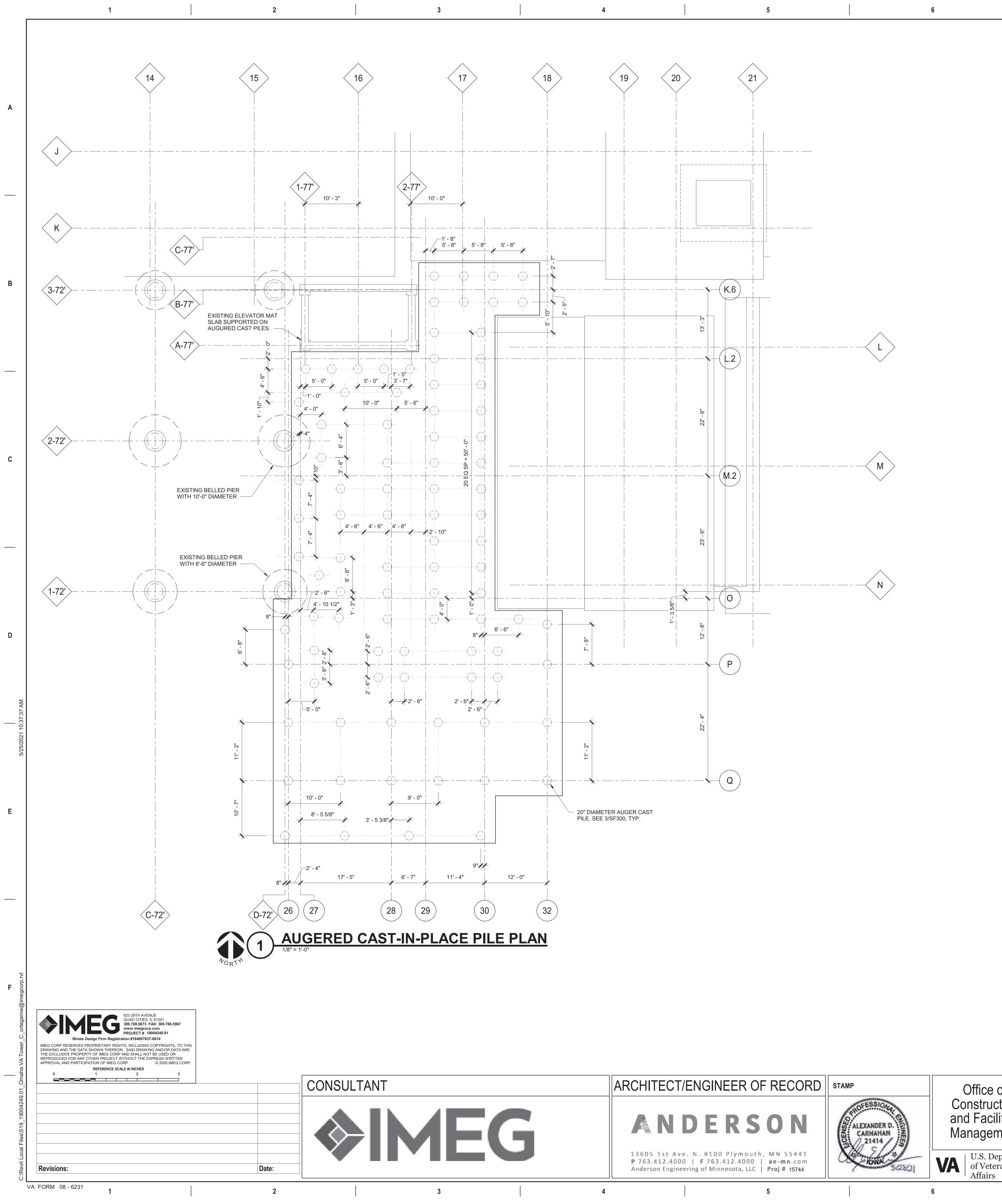
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<text><text><text><text></text></text></text></text>	A COR ALL LOADING CONDITIONS CODES IN ADDITION TO ANY SPECIFIC CODES IN ADDITION TO ANY SPECIFIC SPECIFIED. DESIGN INFORMATION DE CONSIDERED GUIDELINES FOR SINDICATED ON PLAN ARE ANTICIPATED. ANGING, COORDINATION WITH ALL ALS ARE ONLY AN INDICATION OF SFOR COMPLETE INSTALLATION ARE ASED ON LOADS GIVEN WITHIN THE ONS MUST TAKE INTO ACCOUNT OTHER O PANEL SHRINKAGE, THERMAL BOWING OR AND/OR ERECTION. THE PRECASTER STRUCTURAL ENGINEER ALL STEEL TO ACCOMMODATE HORIZONTAL MOVEMENT. OP DRAWINGS, PLANS AND DETAILS, ALL EMBED CONNECTIONS SHALL BE TED BY THE PRECAST CONCRETE NOVIDE EMBEDDED PLATES FOR DRAWINGS AS WELL AS PROVIDE VN ON ARCHITECTURAL AND SOPENINGS AND CUTOUTS SHALL BE STRESSING WIRE. THE ARCHITECT SHALL TO FABRICATION. ED ANCHORS SIGN ARE SHOWN ON THE DRAWINGS. AY BE SUPPLIED PROVIDED THE QUANTITY OF THE DESIGN ANCHOR QUANTITY ARE TO BE SUBMITTED TO THE STALL IN ACCORDANCE WITH DNS. BELOW SUMMARIZES EACH ANCHOR	 DECK SIZE AND GAUGE INDICA FOLLOWING: A. VULCRAFT 2015 CATALOG I CONSTRUCTION SPANS. B. STEEL DECK INSTITUTE (SE DIAPHRAGM LOADS. STEEL DECK GALVANIZING SH4 COATING OF G60. PAINTED STEEL ROOF DECK SH ALL DECK SHALL MEET THE MIT DRAWINGS, AND AS FOLLOWS: <u>TYPE</u> <u>GAUGE</u> <u>1.5" B (ROOF)</u> <u>20</u> <u>1 1/2" VLI</u> <u>0.197</u> UNLESS NOTED OTHERWISE, D WELDS AT 12" OC AT ALL SUPP WITH #10 TEK SCREWS, MINIMU RECEIVE THE SAME WELDING A BE PERFORMED BY CERTIFIED DECK WORK. USE SUMP PANS AT ALL ROOF SHALL BE 14 GAUGE. DO NOT PLACE PIPES, DUCTS, SYSTEMS WITHOUT APPROVAL DO NOT EXCEED 25 LBS PER H CENTER WHEN ATTACHING TO SPACING INCLUDES ADJACENT ITEMS HANGING FROM THE DE ACHIEVED, SUPPLEMENTAL FR TO BE ADDED. THE GENERAL C LOCATION AND WEIGHT OF ALL SEISMIC BRACING OF MECH 1. FIRE SPRINKLERS SHALL BE SE 	STEEL DECK ATED ON THE DRAWINGS ARE BASED ON THE FOR GRAVITY DESIGN LOADS AND UNSHOP DI) DIAPHRAGM DESIGN MANUAL 3RD EDITIONAL ALL CONFORM TO ASTM A653 WITH A MINING HALL CONFORM TO ASTM A1008, GRADE C. NIMUM TYPE AND GAUGE INDICATED ON THE THE INTERPOLICIES INTERPOLICIES INTERPOLICIES INTERPOLICIES INTERPOLICIES IX SX FY 0.201 0.234 33 0.224 50 DECK SHALL BE FASTENED WITH 5/8" & PUD PORTS AND EDGES. SIDE LAPS SHALL BE FA UM ONE AT EACH MIDSPAN. OPENING EDGE AS REQUIRED AT DECK ENDS. ALL WELDING WELDERS EXPERIENCED IN COLD-FORMED TORAINS. MINIMUM THICKNESS FOR SUMP FOR REGLETS OR CHASES IN COMPOSITE FLOOD IN STEEL ROOF DECK. THIS 25 LBS LOAD AND T MECHANICAL, ELECTRICAL, AND ARCHITE CCN. IF THE HANGER RESTRICTIONS CANNO AMING SUPPORTED OFF STEEL FRAMING NA CONTRACTOR IS RESPONSIBLE FOR COORD AMING SUPPORTED OFF STEEL FRAMING NA AMING SUPPORTED OFF STEEL FRAMING NA AMIN	RED ION FOR MUM 2. THE DDLE ASTENED ES SHALL 2D STEEL PANS OR PANS OR ID 2'-0" ECTURAL OT BE WILL NEED RDINATING	STRUC SYMBOL:	CTURAL SYMBOLS MAY APPLY NOT ALL SYMBOLS MAY APPLY DESCRIPTION: FLOOR OPENING SLAB DEPRESSION METAL DECK (DIRECTION) REVISION TRIANGLE - NUMBER INDICATES REVISION NUMBER DRAIN/OVERFLOW 3/4"ø x 4" HEADED STUD ANCHORS ON BEAMS BEAM CAMBER TOP OF STEEL FRAMING ELEVATION ABOVE ELEVATION +0' - 0" FULL HEIGHT CONNECTION PLATE STRUT OR KICKER BRACE
	RED HEAD TRUBOLT+ [ESR-2427] SIMPSON STRONG BOLT 2 [ESR-3037] ACCEPTABLE ALTERNATES DEWALT POWER SCREW-BOLT+ [ESR-3889] SIMPSON TITEN HD [ESR-2713] F DEFORMED REINFORCING BARS OR TY NUTS AND WASHERS AND A TWO WHERE ANCHORING INTO HOLLOW	 INDEPENDENTLY ENGINEERED LICENSED PROFESSIONAL ENGINEER. SHOP DRAWINGS SHOWING AL CONNECTIONS ARE REQUIRED SHALL INCLUDE: A. LOADING CONDITIONS OF S B. LOADING CONDITIONS OF F C. DETAILING ASSEMBLY OF F D. SHOP DRAWINGS TO BE SU 	O SYSTEMS SHALL BE DESIGNED AND STAM GINEER AND APPROVED BY THE STRUCTUR LL BRACING LOCATIONS AND DETAILS OF O FOR ALL PREAPPROVED SYSTEMS. SUBM SUPPORTS. BRACES. PREAPPROVED SYSTEM. JBMITTED AS A DEFERRED APPROVAL. STRUCTURAL ABBR DESCRIPTION: A NUMBER OR POUNDS L	RAL /IITTAL REVIATION KEY ABBR: DESCRIPTION: LLH LONG LEG HORIZONTAL		MOMENT CONNECTION BENT BEAM HOLE IN BEAM DOUBLE ANGLE CONNECTION
	DEWALT AC 200+ [ESR-4027] SIMPSON SET-3G [ESR-4057] L CONCRETE FOR PROJECTS LOCATED IN IER, TENSILE ZONES SUCH AS BOTTOMS OF ON THE DRAWINGS. EEL TO ASTM STANDARDS AS NOTED BELOW: ASTM A36 F y = 36 KSI ASTM A36 F y = 36 KSI ASTM A500, GR C F y = 46 KSI ASTM A500, GR C F y = 50 KSI ASTM A500, GR C F y = 50 KSI ASTM A5125, GR A325 F y = 120 KSI ASTM F3125, GR A490 F y = 150 KSI ASTM F3125, GR A490 F y = 150 KSI ASTM F3125, GR A490 F y = 150 KSI ASTM F3125, GR F1852 F y = 120 KSI ASTM F3125, GR F1852 F y = 150 KSI ASTM F3125, GR F280 F Y = 150 KSI ASTM F3125, GR F312 F Y = 100 KSI ASTM F3125, GR F280 F Y = 100 KSI ASTM F3125, GR F280 F Y = 100 KSI ASTM F3125, GR F312 F Y = 100 KSI ASTM F3125, GR F312 F Y = 100 KSI ASTM F3125, F75 S/8 A AN SMALLER AND DING SHALL BE DONE ONLY B	© Ø A.B. ARCH B.O. bf BF BLKG BM. B.O.TF BBP WNF CCLR CCONT DL DE CCONT DL DE CCONT DL DE CCONT DL DE CCONT DL DE DWL AF ELLEL N.D BOS DWL AF ELLEL EL EL EL EL EL EL EL EL EL EL EL	AT DEGREEL L DIAMETERL L L ANCHOR BOLTL L ANCHOR BOLTL L ARCHITECT, -URE, -URALL L ARCHITECT, -URE, -URALBOTTOM OF BEAM FLANGE WIDTHM BRACE FRAMEM BOUNDARY NAILINGM M BOTTOM OF FOOTINGBOUNDARY NAILING BOTTOM OF FOOTING BOTTOM OF FOOTING BOTTOM STEEL FRAMING COLD FORM STEEL FRAMING CONCRETE MASONRY UNIT CONCRETE MASONRY UNIT CONCRETE CONCRETE DIAMETERM CONCRETE P CONTINUOUS DIAMETER DIAMETER DIAMETER DIAMETER DAAD LOAD DETAIL DRAWING DEAD LOAD DETAIL DRAWING DOWEL EACH FACE EACH FACE EUEVATION ELECTRICAL ELEVATOR EUGE OF DECK EUGE OF SLAB EQUIPMENT EACH WAY SEXISTING EXTERIOR CONCRETE COMPRESSIVE STRENGTH SCONCRETE COMPRESSIVE STRENGTH <b< td=""><td>LLV LONG LEG VERTICAL LSH LONG SIDE HORIZONTAI LSV LONG SIDE VERTICAL LO LOW LONG LONGITUDINAL LT WT LIGHTWEIGHT M.B. MACHINE BOLT MAX MAXIMUM MECH MECHANICAL MANUF MANUFACTURER MIN MINIMUM MTL METAL N NORTH (N) NEW NIC NOT IN CONTRACT NTS NOT TO SCALE OC ON CENTER OH OPPOSITE HAND OPNG OPENING PC PIECE PCF POUNDS PER CUBIC FOUNDS PL PLATE PLF POUNDS PER CUBIC FOUNDS PL PLATE PLF POUNDS PER SQUARE I PSF POUNDS PER SQUARE I PTDF PRESSURE TREATED DO REINF REINFORCING, -MENT, -I REQD REQUIRED RTU ROOF-TOP UNIT SC TC WITH CLASS A FAYIN SCBF SPECIAL CONCENTRICE SCHED SCHEDULE SEP'N SEPARATION SIM SIMILAR SHTG SHEATHING SL SNOW LOAD SLRS SEISMIC LOAD RESISTIN SOG SLAB ON GRADE SP SPACE(S) SPEC SPECIFICATION(S) SQ SQUARE STIFF STIFFENER STIFF STIFFENER STIFF</td><td>AL AL AL AL AL AL AL AL AL AL</td><td>OF BOLTS FRAME (SFRS) CONNECTION WITH RBS FRAME (SFRS) BRACE AT RBS LATERAL SUPPORT AT RBS GIRDER BEAM SPLICE BEAM BEARING ON COLUMN COLUMN BEARING ON COLUMN COLUMN BEARING ON BEAM COLUMN BEARING ON CONCRETE PIER WELD SIZE, LENGTH & SPACING, ETC. WHERE SHOWN ONE SIDE OF SYMBOL REFERENCE LINE, IT IS TYPICAL TO OPPOSITE SIDE IF SYMBOL OCCURS OPPOSITE SIDE IF SYMBOL OCCURS CONNECTION REACTION (1.2DL + 1.6LL), INKIPS, FOR DELEGATED CONNECTION DESIGN</td></b<>	LLV LONG LEG VERTICAL LSH LONG SIDE HORIZONTAI LSV LONG SIDE VERTICAL LO LOW LONG LONGITUDINAL LT WT LIGHTWEIGHT M.B. MACHINE BOLT MAX MAXIMUM MECH MECHANICAL MANUF MANUFACTURER MIN MINIMUM MTL METAL N NORTH (N) NEW NIC NOT IN CONTRACT NTS NOT TO SCALE OC ON CENTER OH OPPOSITE HAND OPNG OPENING PC PIECE PCF POUNDS PER CUBIC FOUNDS PL PLATE PLF POUNDS PER CUBIC FOUNDS PL PLATE PLF POUNDS PER SQUARE I PSF POUNDS PER SQUARE I PTDF PRESSURE TREATED DO REINF REINFORCING, -MENT, -I REQD REQUIRED RTU ROOF-TOP UNIT SC TC WITH CLASS A FAYIN SCBF SPECIAL CONCENTRICE SCHED SCHEDULE SEP'N SEPARATION SIM SIMILAR SHTG SHEATHING SL SNOW LOAD SLRS SEISMIC LOAD RESISTIN SOG SLAB ON GRADE SP SPACE(S) SPEC SPECIFICATION(S) SQ SQUARE STIFF STIFFENER STIFF	AL AL AL AL AL AL AL AL AL AL	OF BOLTS FRAME (SFRS) CONNECTION WITH RBS FRAME (SFRS) BRACE AT RBS LATERAL SUPPORT AT RBS GIRDER BEAM SPLICE BEAM BEARING ON COLUMN COLUMN BEARING ON COLUMN COLUMN BEARING ON BEAM COLUMN BEARING ON CONCRETE PIER WELD SIZE, LENGTH & SPACING, ETC. WHERE SHOWN ONE SIDE OF SYMBOL REFERENCE LINE, IT IS TYPICAL TO OPPOSITE SIDE IF SYMBOL OCCURS OPPOSITE SIDE IF SYMBOL OCCURS CONNECTION REACTION (1.2DL + 1.6LL), INKIPS, FOR DELEGATED CONNECTION DESIGN

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agement	Approved:					
J.S. Department of Veterans Affairs			FULLY SPRINKLERED		Issue Date 05/28/21	Checked ALXCAR
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e of iction cilities	Drawing Title AUGERED CAST-IN-PLACE PILE PLAN	Phase 100% CONSTRUCTION DOCUMENTS	Project Title NWIHCS - CONS AIR HANDLING 7
ement Department erans s	Approved:	FULLY SPRINKLERED	Location OMAHA, NE Issue Date 05/28/21 ALXC
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NOTES: . TOP OF MAT SLAB ELEVATION (221' - 4"). 2. TOP OF PILE ELEVATION (217' - 8"). 3. BOTTOM OF PILE ELEVATION (126' - 4"). 4. REFER TO SF300 FOR PILE DETAILS. IS EXPECTED TO MEET PILE CAPACITY.

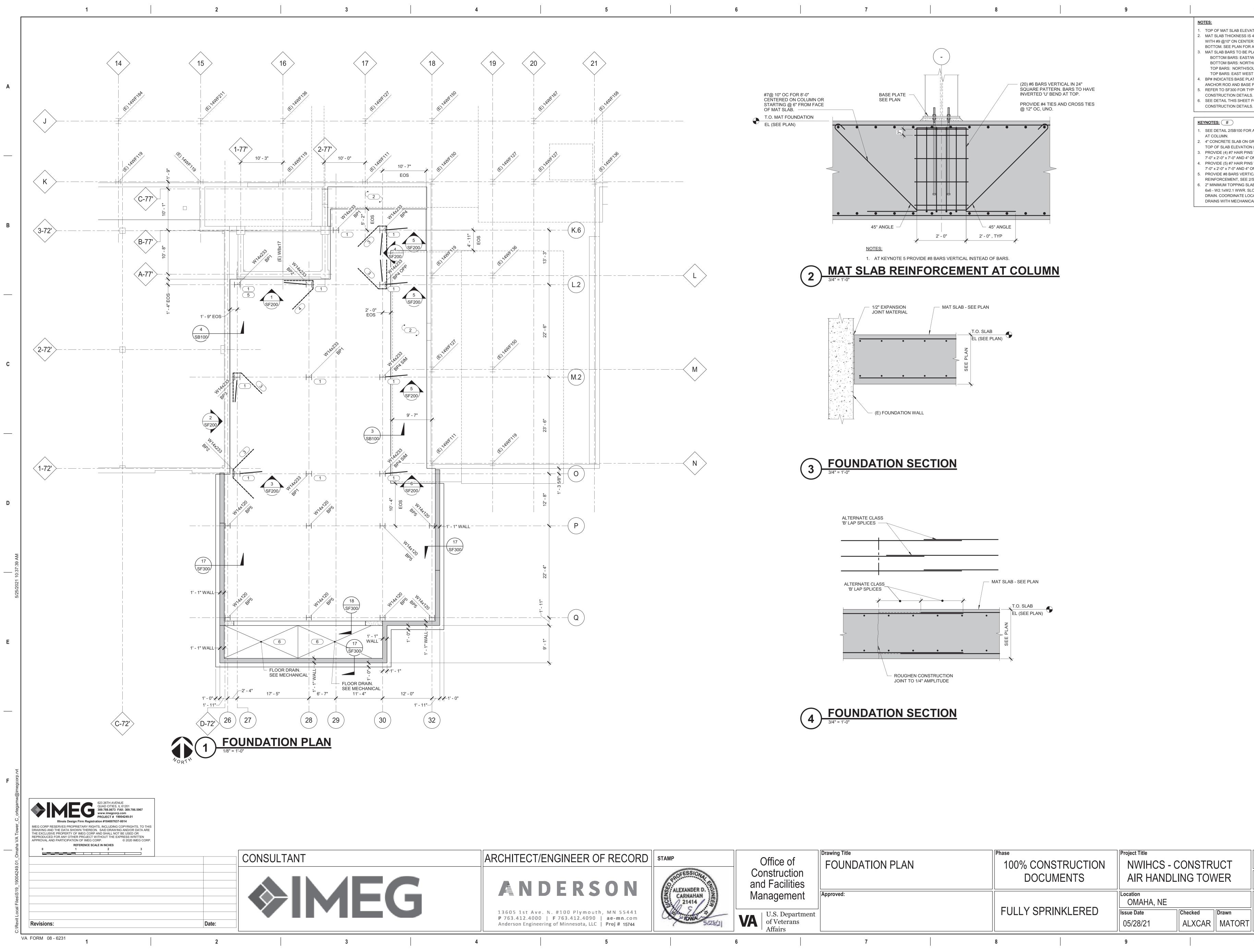
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BID SET Project Number 636-18-303 ISTRUCT Building Number TOWER 1 Drawing Number Drawn SB010 ed XCAR || MATORT ||



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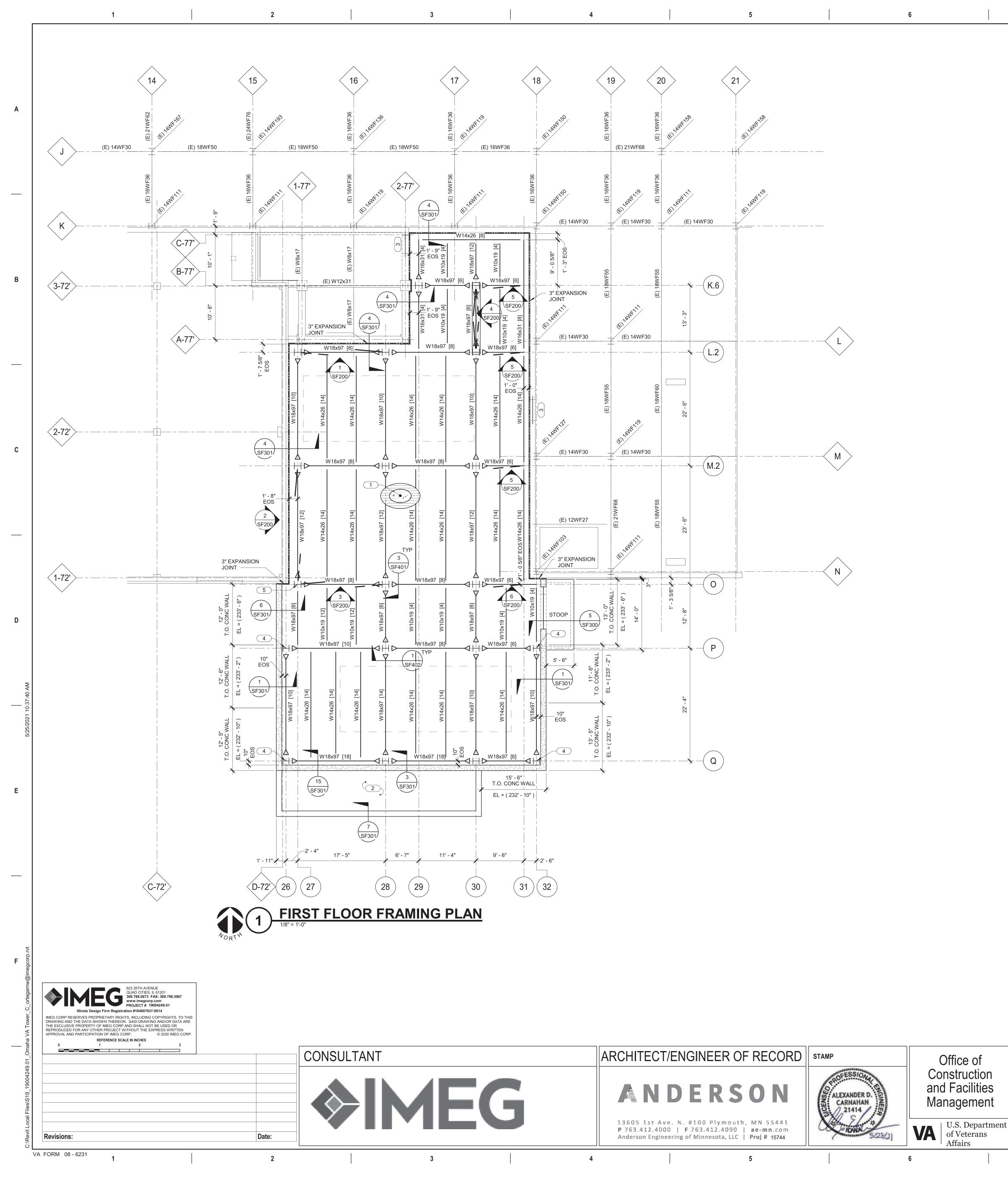
 NOTES: TOP OF MAT SLAB ELEVATION (221' - 4"). MAT SLAB THICKNESS IS 4'-0" AND IS REINFORCED WITH #9 @10" ON CENTER EACH WAY TOP AND BOTTOM. SEE PLAN FOR ADDITIONAL REINFORCEMENT. MAT SLAB BARS TO BE PLACED IN FOLLOWING ORDER BOTTOM BARS: EAST/WEST BOTTOM BARS: NORTH/SOUTH TOP BARS: NORTH/SOUTH TOP BARS: EAST WEST BP# INDICATES BASE PLATE. REFER TO SF300 FOR ANCHOR ROD AND BASE PLATE DETAILS. REFER TO SF300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS. SEE DETAIL THIS SHEET FOR MAT SLAB CONSTRUCTION DETAILS. 	A
 KEYNOTES: # SEE DETAIL 2/SB100 FOR ADDITIONAL REINFORCEMENT AT COLUMN. 4" CONCRETE SLAB ON GRADE WITH 6x6 - W2.1xW2.1 WWR. TOP OF SLAB ELEVATION (221' - 4"). PROVIDE (4) #7 HAIR PINS WITH DIMENSIONS OF 7'-0" x 2'-0" x 7'-0" AND 4" ON CENTER VERTICAL SPACING. PROVIDE (5) #7 HAIR PINS WITH DIMENSIONS OF 7'-0" x 2'-0" x 7'-0" AND 4" ON CENTER VERTICAL SPACING. PROVIDE (5) #7 HAIR PINS WITH DIMENSIONS OF 7'-0" x 2'-0" x 7'-0" AND 4" ON CENTER VERTICAL SPACING. PROVIDE #8 BARS VERTICAL IN PIER CAGE REINFORCEMENT, SEE 2/SB100. 2" MINIMUM TOPPING SLAB REINFORCED WITH 6x6 - W2.1xW2.1 WWR. SLOPED AT 1/4" ON 12" TO EACH DRAIN. COORDINATE LOCATION AND ELEVATIONS OF 	
DRAINS WITH MECHANICAL CONTRACTOR.	В
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BID SET Project Number 636-18-303 Building Number	

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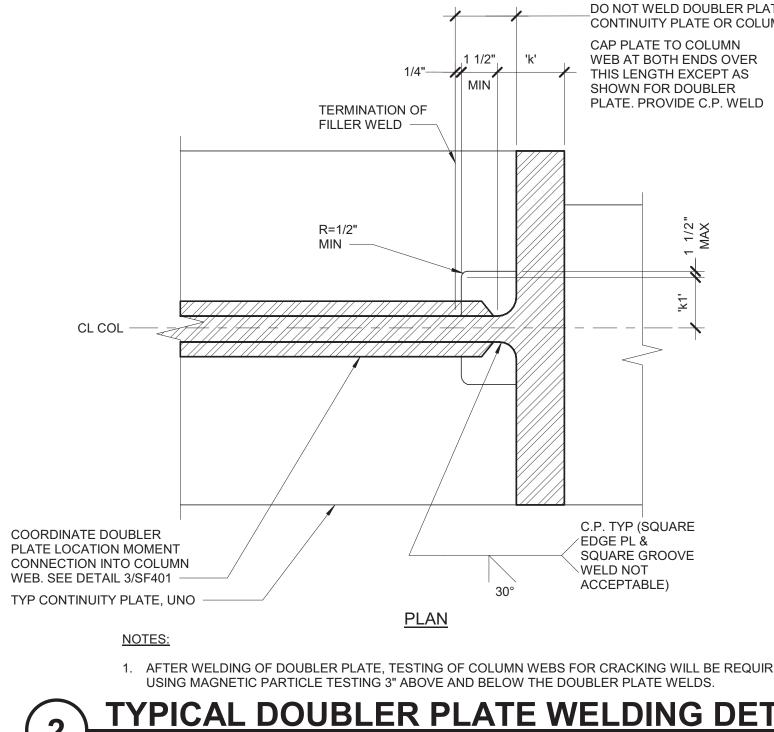
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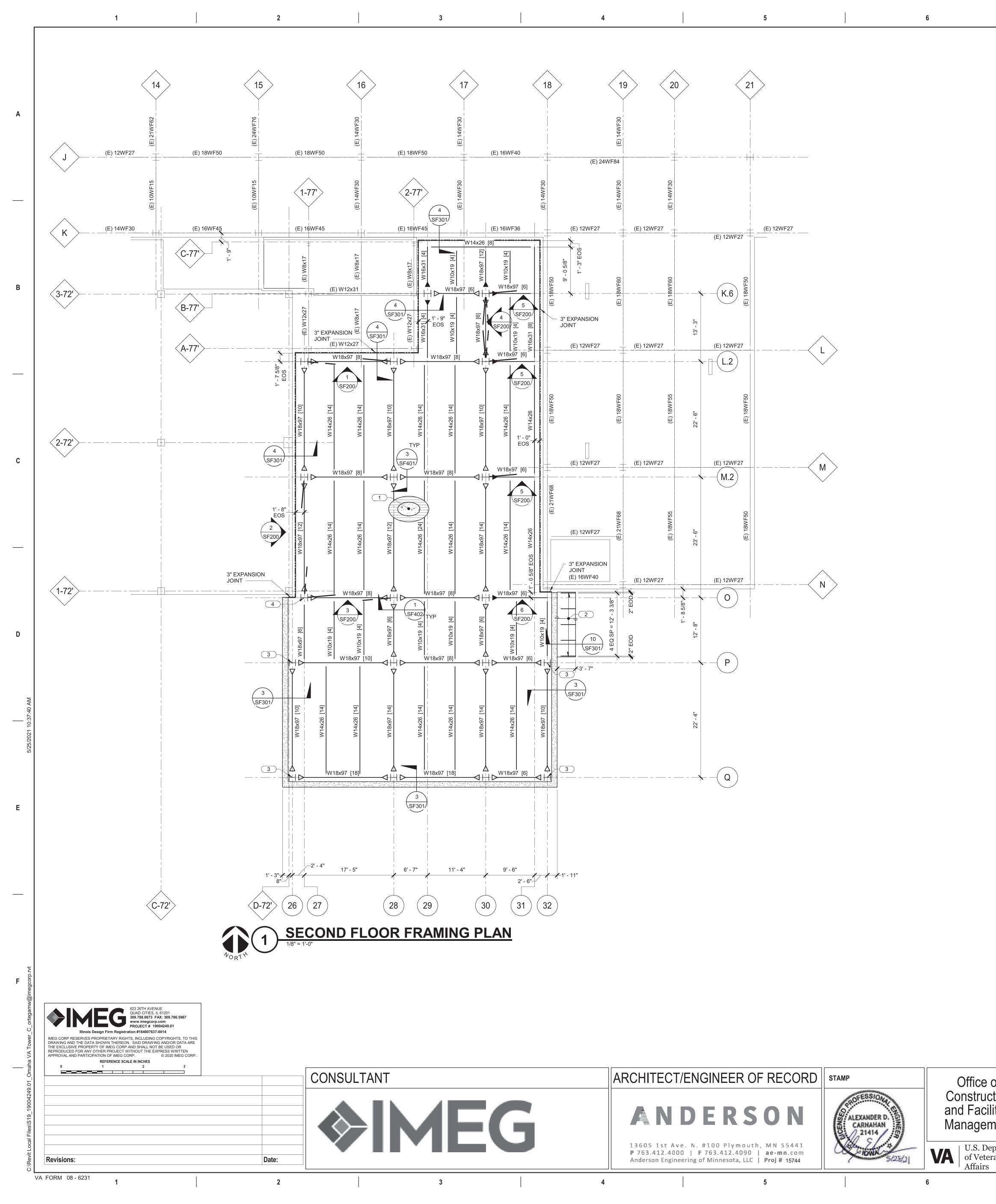
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e of iction cilities	Drawing Title FIRST FLOOR FRAMING P	^{Phase} 100% CONST DOCUM	FRUCTION	Project Title NWIHCS - CONSTE AIR HANDLING TO		
	Approved:		FULLY SPRIN		Location OMAHA, NE Issue Date 05/28/21	Checked ALXCAR
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			FIRST FLOOR SECOND FLOOR THIRD FLOOR	(234' - 6") (247' - 0 1/4") (259' - 8 1/2") (272' - 3 3/4") (285' - 10") (297' - 9")	 NOTES: REFER TO SF400 FOR TYPE SLAB CONSTRUCTION DE REFER TO SF400 FOR TYPE DETAILS. PROVIDE ANGLE FRAMING PER 1/SF400. REFER TO SF200 FOR THE 	TAILS. PICAL SHEAR CONNECTION
					REINFORCE WITH 4x4-W2. 2. 2" x 3/16" GW-200 (19-W-4) GRATING. TOP OF GRATIN	TOTAL SLAB THICKNESS = 6". 5xW2.5 WWR. TYPE GALVANIZED BAR IG ELEVATION (234' - 3"). ING WALL, SEE DETAIL 2/SF301. ATES ABOVE FIRST FLOOR EE DETAIL 2/SF101. TES ABOVE FIRST FLOOR
		.1 1/	CONTINU CAP PLAT	WELD DOUBLER PLAT ITY PLATE OR COLUM TE TO COLUMN 30TH ENDS OVER		
		1/4"	N THIS LEN SHOWN F	GTH EXCEPT AS FOR DOUBLER ROVIDE C.P. WELD		
		R=1/2" MIN		'k1' 1/2" MAX		
	CL COL —			★ >		
	COORDINATE DOUBLE PLATE LOCATION MON CONNECTION INTO CO	IENT	C.P. TYP (S EDGE PL & SQUARE G WELD NOT	ROOVE		
	WEB. SEE DETAIL 3/SF TYP CONTINUITY PLAT <u>NOTE</u> 1. A	e, uno	30° ACCEPTAB	3LE) NG WILL BE REQUIRE	ED	
	2 TY 3" = 1'-0	PICAL DOUBLER PLA	ATE WELD	ING DET	<u>AIL</u>	
	Drawing Title	Phase	Project Title			Project Number
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S	FIRST FLOOR FRAMING PLAN	100% CONSTRUCTIO		ANDLING	TOWER	Building Number 1 Drawing Number

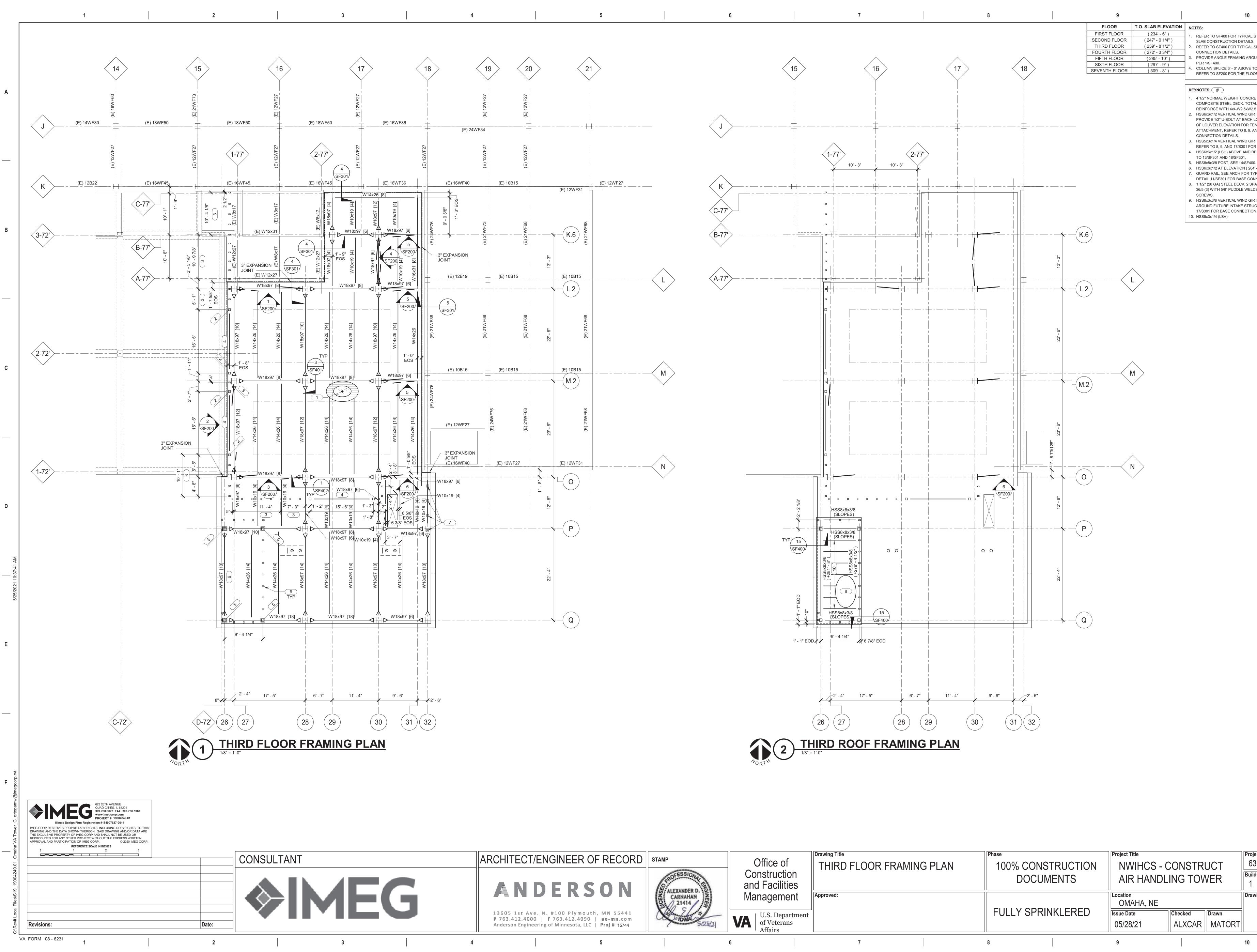


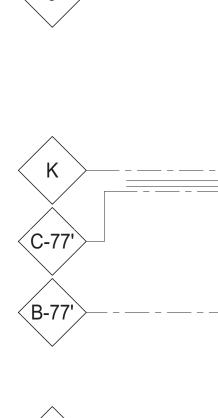
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			FL	.OOR T.O. SLAB ELEVAT	FION N
			FIRST	FLOOR (234' - 6")	1
			SECON	ID FLOOR (247' - 0 1/4")	
			THIRD	D FLOOR (259' - 8 1/2")	2.
			FOURT	"H FLOOR (272' - 3 3/4")	
			FIFTH	I FLOOR (285' - 10")	3.
			SIXTH	I FLOOR (297' - 9")	
			SEVENT	TH FLOOR (309' - 8")	4.

ce of ruction acilities gement 5. Department Veterans airs	Drawing Title SECOND FLOOR FRAMING PLAN	Phase 100% CONSTRUCTION DOCUMENTS	Project Title NWIHCS - (AIR HANDL		JCT	Pi Bi
	Approved:	FULLY SPRINKLERED	Location OMAHA, NE Issue Date 05/28/21	Checked ALXCAR	Drawn MATORT	Dr
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I	 NOTES: REFER TO SF400 FOR TYPICAL STRUCTURAL SLAB CONSTRUCTION DETAILS. REFER TO SF400 FOR TYPICAL SHEAR AND MOMENT CONNECTION DETAILS. PROVIDE ANGLE FRAMING AROUND OPENINGS 	
	PER 1/SF400. 4. COLUMN SPLICE 3' - 0" ABOVE TOP OF CONCRETE. REFER TO SF200 FOR THE FLOORS. <u>KEYNOTES:</u> #	Α
	 4 1/2" NORMAL WEIGHT CONCRETE ON 1 1/2" (20 GA) COMPOSITE STEEL DECK. TOTAL SLAB THICKNESS = 6". REINFORCE WITH 4x4-W2.5xW2.5 WWR. 1 1/2" TYPE B (20 GA) METAL ROOF DECK SUPPORTED BY HSS5x3x1/4 (LSV). DECK BEARING EL (245' - 0 3/4"). (2) 1/2" x 3'-6" DOUBLER PLATES BELOW SECOND FLOOR T.O. STEEL ELEVATION, SEE DETAIL 2/SF101. (2) 1" x 4'-0" DOUBLER PLATES BELOW SECOND FLOOR T.O. STEEL ELEVATION, SEE DETAIL 2/SF101 	
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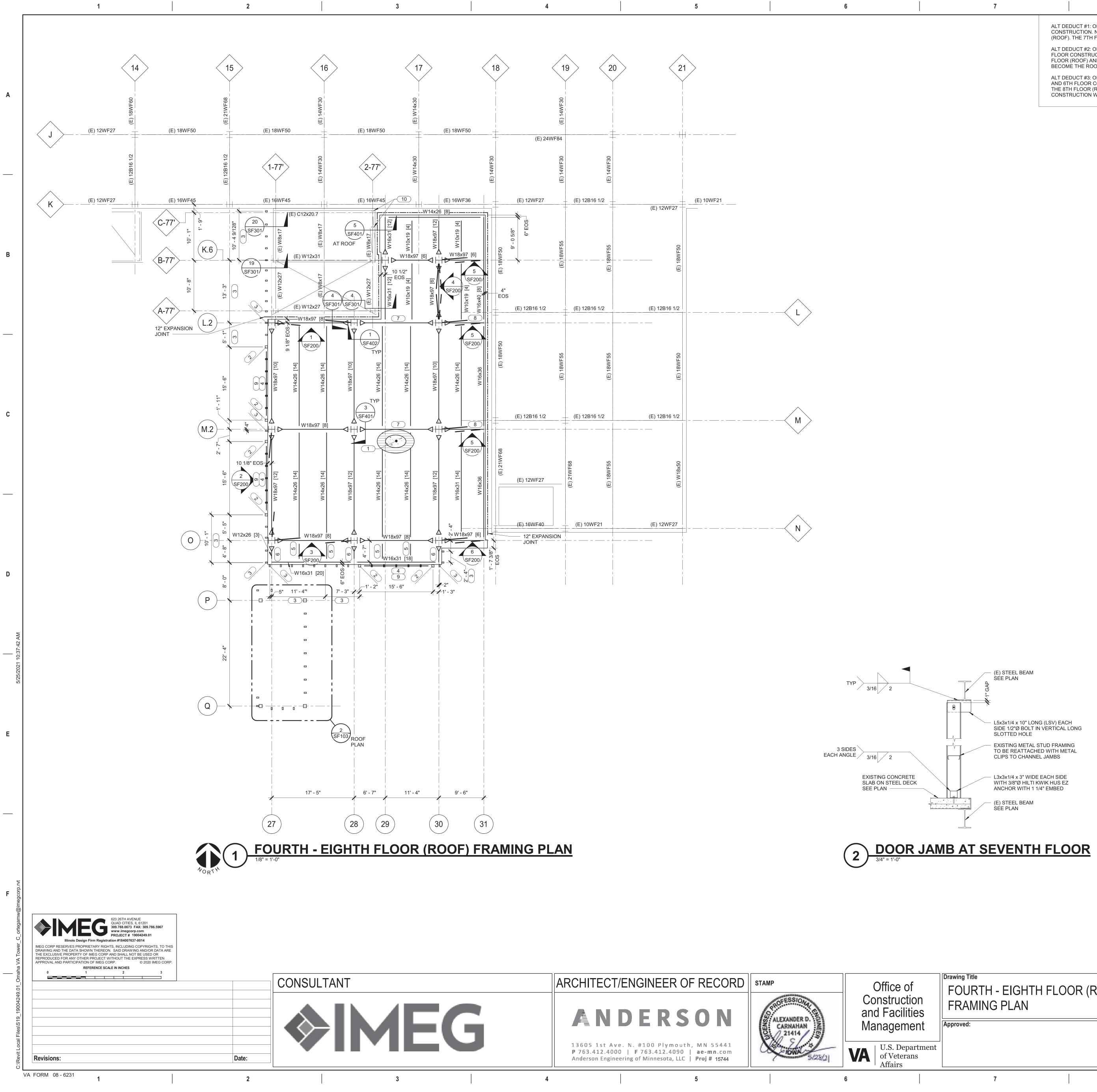




e of iction cilities	Drawing Title THIRD FLOOR FRAMIN		^{Phase} 100% CONST DOCUM	RUCTION	Project Title NWIHCS - C AIR HANDL	
Department terans	Approved:		FULLY SPRIN	KLERED	Location OMAHA, NE Issue Date 05/28/21	Checked ALXC
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 NOTES: 1. REFER TO SF400 FOR TYPICAL STRUCTURAL SLAB CONSTRUCTION DETAILS. 2. REFER TO SF400 FOR TYPICAL SHEAR AND MOMENT CONNECTION DETAILS. 3. PROVIDE ANGLE FRAMING AROUND OPENINGS PER 1/SF400. 4. COLUMN SPLICE 3' - 0" ABOVE TOP OF CONCRETE. REFER TO SF200 FOR THE FLOORS. KEYNOTES: # 4 1/2" NORMAL WEIGHT CONCRETE ON 1 1/2" (20 GA) COMPOSITE STEEL DECK. TOTAL SLAB THICKNESS = 6". REINFORCE WITH 4x4-W2.5xW2.5 WWR. HSS6x6x1/2 VERTICAL WIND GIRT (2-FLOOR SPAN) PROVIDE 1/2" U-BOLT AT EACH LOUVER JAMB AT TOP OF LOUVER ELEVATION FOR TEMPORARY LOUVER ATTACHMENT, REFER TO 8, 9, AND 17/S301 FOR CONNECTION DETAILS. 3. HSS5x3x1/4 VERTICAL WIND GIRTS (2-FLOOR SPAN) REFER TO 8, 9, AND 17/S301 FOR CONNECTION DETAILS. 4. HSS6x6x1/2 (LSH) ABOVE AND BELOW LOUVER. REFER TO 13/SF301 AND 18/SF301. 5. HSS8x8x3/8 POST, SEE 14/SF400.	A
 HSS8x8x3/8 POST, SEE 14/SF400. HSS6x6x1/2 AT ELEVATION (264' - 8"), SEE 15/SF400. GUARD RAIL, SEE ARCH FOR TYPE AND ASSEMBLY. SEE DETAIL 11/SF301 FOR BASE CONNECTION TO STRUCTURE. 1 1/2" (20 GA) STEEL DECK, 2 SPAN MINIMUM. FASTENING = 36/5 (3) WITH 5/8" PUDDLE WELDS AND #10 SIDELAP SCREWS. HSS6x3x3/8 VERTICAL WIND GIRTS @ 3'-0" ON CENTER MAX AROUND FUTURE INTAKE STRUCTURE. REFER TO 17/S301 FOR BASE CONNECTION. HSS5x3x1/4 (LSV) 	В

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TOWER		Building Number	
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	FLOOR	T.O. SLAB ELEVATION	NOTES:
ALT DEDUCT #1: OMIT CONSTRUCTION OF THE 8TH FLOOR (ROOF)	FIRST FLOOR	(234' - 6")	1. REFER TO SF400 FOR TYPICAL STRUCTURAL
CONSTRUCTION. NO PROJECT SCOPE OF WORK REQUIRED ON THE 8TH FLOOR	SECOND FLOOR	(247' - 0 1/4")	SLAB CONSTRUCTION DETAILS.
(ROOF). THE 7TH FLOOR CONSTRUCTION WOULD BECOME THE ROOF.	THIRD FLOOR	(259' - 8 1/2")	2. REFER TO SF400 FOR TYPICAL SHEAR AND MOMENT
ALT DEDUCT #2: OMIT CONSTRUCTION OF THE 8TH FLOOR (ROOF) AND 7TH	FOURTH FLOOR	(272' - 3 3/4")	CONNECTION DETAILS.
FLOOR CONSTRUCTION. NO PROJECT SCOPE OF WORK REQUIRED ON THE 8TH	FIFTH FLOOR	(285' - 10")	3. PROVIDE ANGLE FRAMING AROUND OPENINGS
FLOOR (ROOF) AND 7TH FLOOR. THE 6TH FLOOR CONSTRUCTION WOULD BECOME THE ROOF.	SIXTH FLOOR	(297' - 9")	PER 1/SF400.
BECOME THE ROOF.	SEVENTH FLOOR	(309' - 8")	4. COLUMN SPLICE 4' - 0" ABOVE TOP OF CONCRETE.
ALT DEDUCT #3: OMIT CONSTRUCTION OF THE 8TH FLOOR (ROOF), 7TH FLOOR, AND 6TH FLOOR CONSTRUCTION. NO PROJECT SCOPE OF WORK REQUIRED ON THE 8TH FLOOR (ROOF), 7TH FLOOR OR 6TH FLOOR. THE 5TH FLOOR			REFER TO SF200 FOR THE FLOORS. 5. REFER TO DETAIL 13/SF400 FOR COLUMN CAP DETAIL.
CONSTRUCTION WOULD BECOME THE ROOF.			KEYNOTES: #
			 4 1/2" NORMAL WEIGHT CONCRETE ON 1 1/2" (20 GA) COMPOSITE STEEL DECK. TOTAL SLAB THICKNESS = 6". REINFORCE WITH 4x4-W2.5xW2.5 WWR. HSS6x6x1/2 VERTICAL WIND GIRT (2-FLOOR SPAN) REFER TO 8 AND 9/SF301 FOR CONNECTIONS. HSS5x3x1/4 AT 3'-0" ON CENTER VERTICAL WIND GIRT (2-FLOOR SPAN) SUPPORTING METAL PANEL. GIRTS INDICATED WITH KEYNOTE ARE INTENDED TO BE AT PANEL JOINT LOCATION, REFER TO 12/SF301. HSS6x6x1/2 (LSV) ABOVE AND BELOW LOUVER. REFER TO 13/SF301. COORDINATE ELEVATIONS WITH MECHANICAL. W10x19 [3]. W12x26 [3]. W18x97 [8] ON 4TH - 7TH. W18x97 [6] ON 4TH - 7TH. W18x97 [6] ON 4TH - 7TH. HSS6x3x3/8 AT 3'-0" ON CENTER VERTICAL WIND GIRT ABOVE HORIZONTAL LOUVER TUBE FRAME TO FORM PARAPET FRAMING. HSS3 1/2x3 1/2x3/8 EACH SIDE OF NEW DOOR. COORDINATE LOCATION WITH ARCHITECT. SEE DETAIL 2/SF104 FOR CONNECTIONS. PROVIDE HSS3 1/2x3 1/2x3/8 ABOVE DOOR. COORDINATE ELEVATION WITH

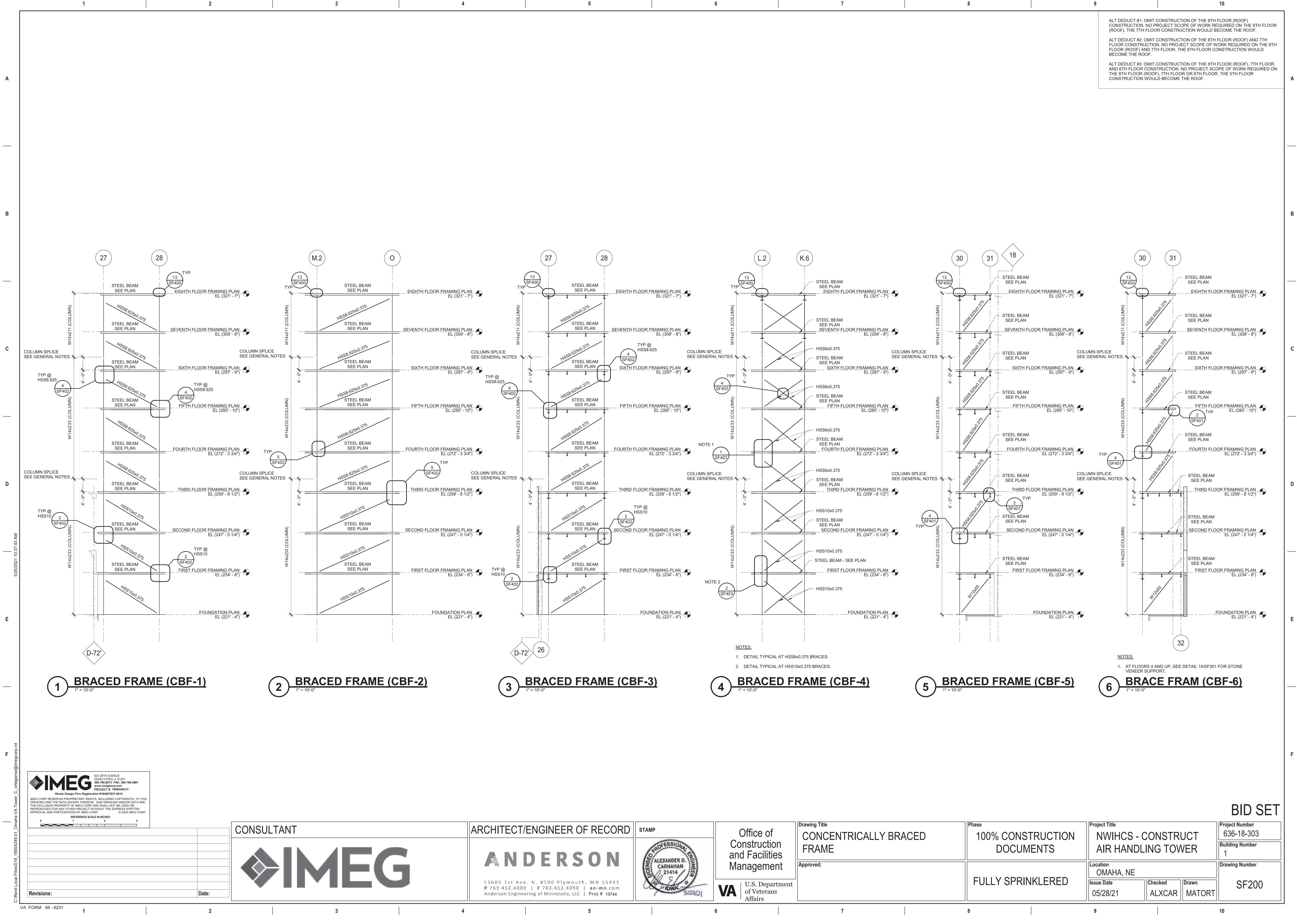
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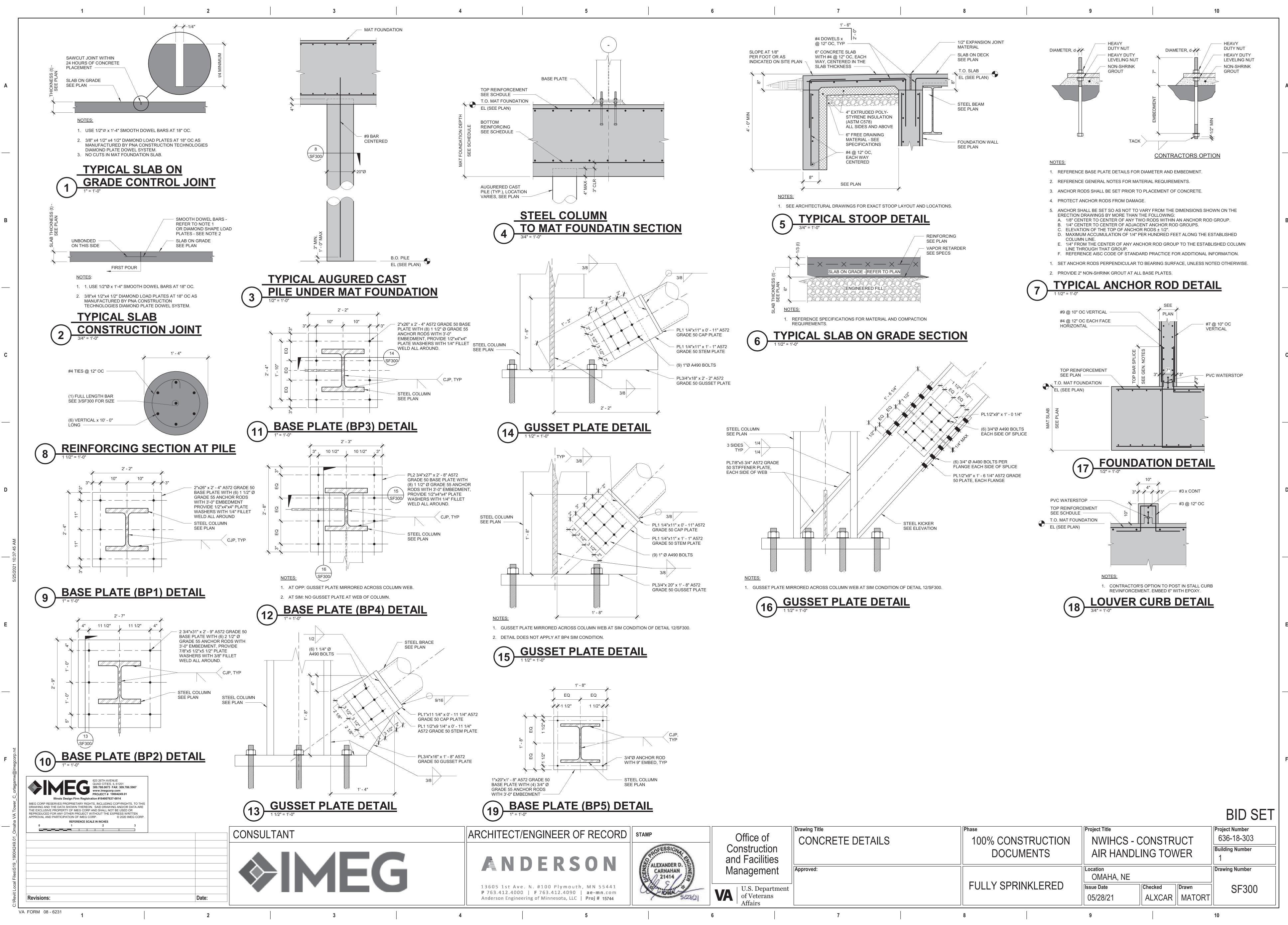
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STRUCT	Project Number 636-18-303		
TOWER	Building Number		
	Drawing Number		
ed Drawn CAR MATORT	SF104		

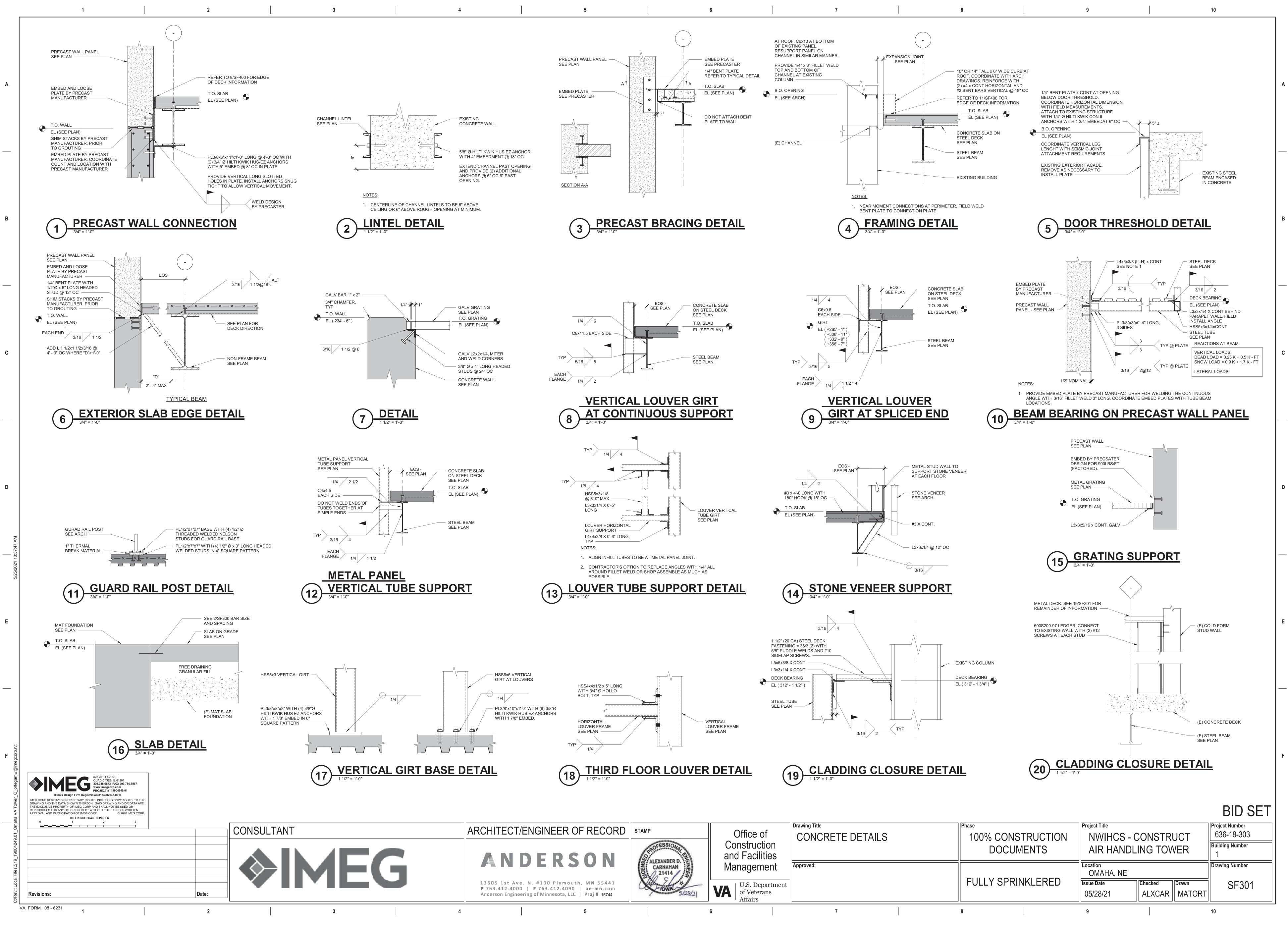


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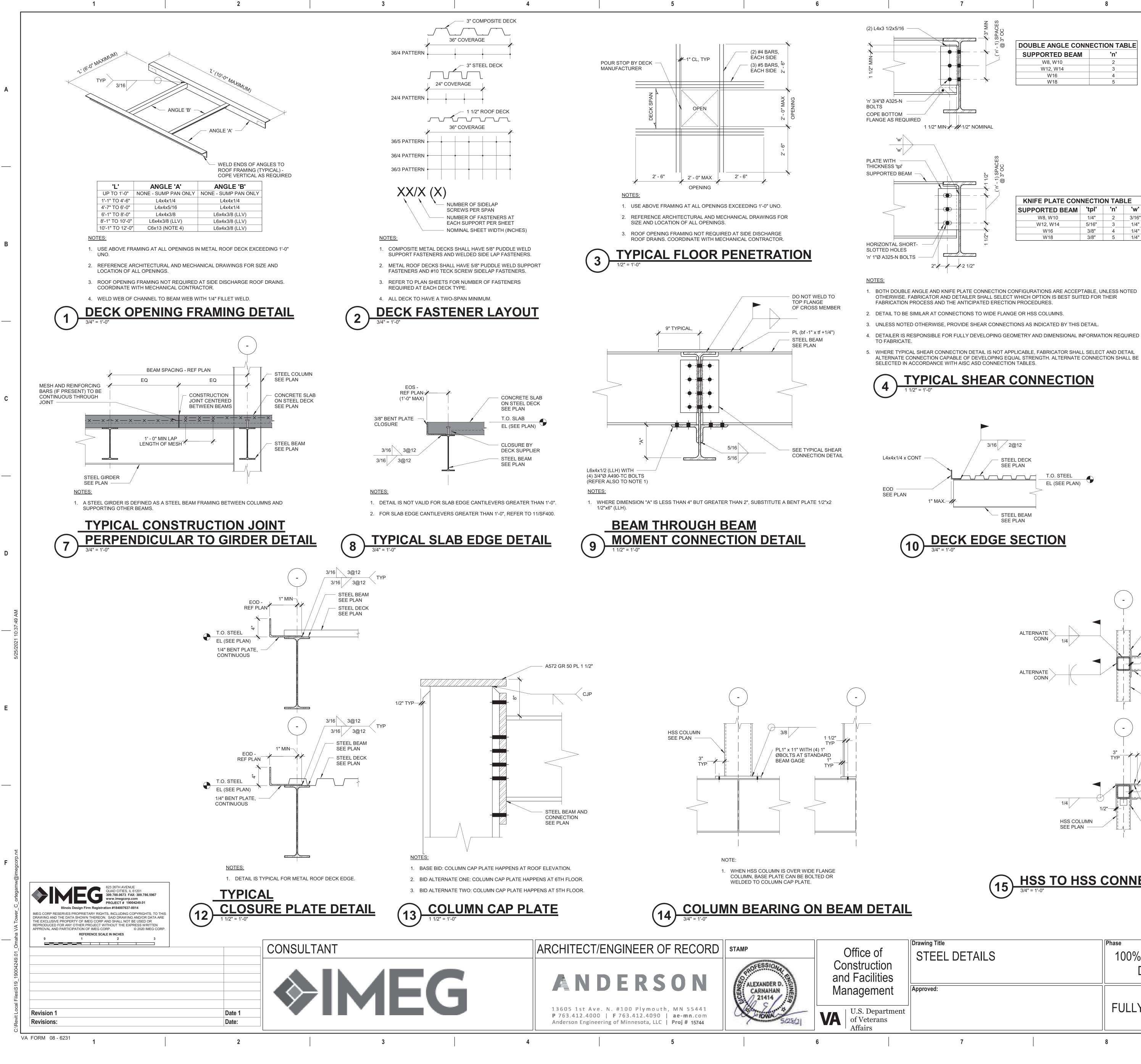
CED	FRAME	(CBF-4)



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ement	Approved:		Location OMAHA, NE	
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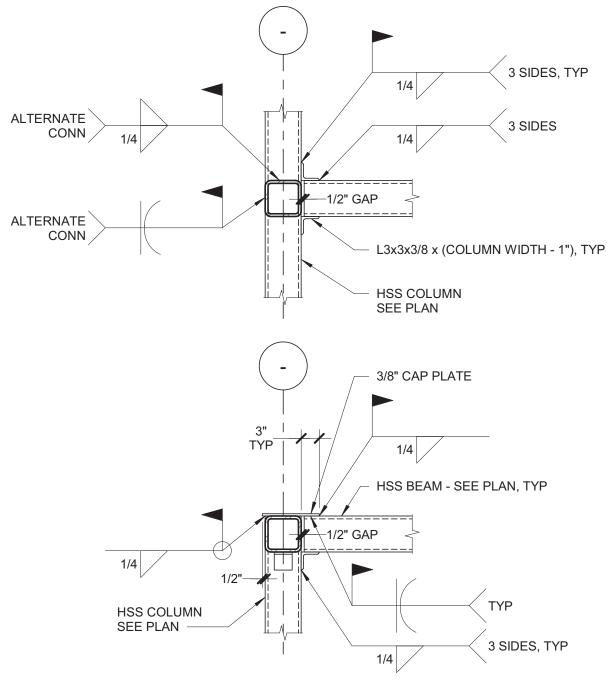


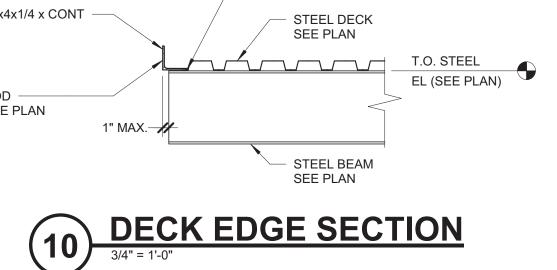
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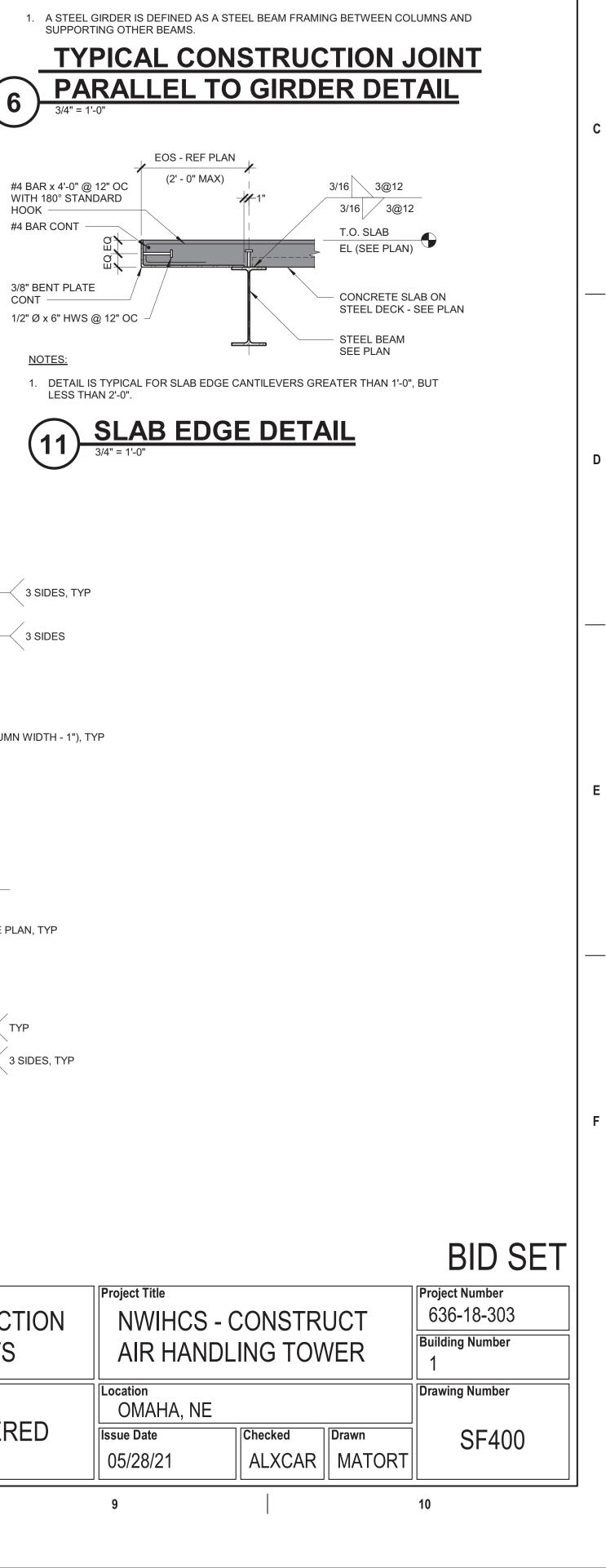


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	7	8	9	

(15) HSS TO HSS CONNECTION

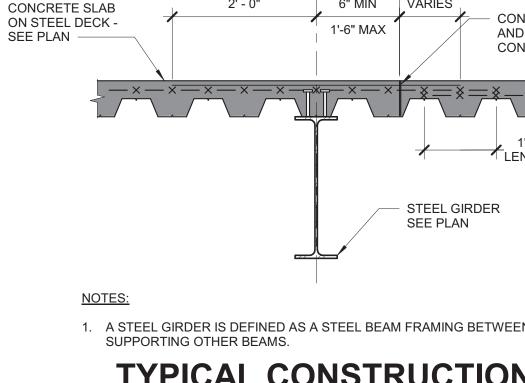


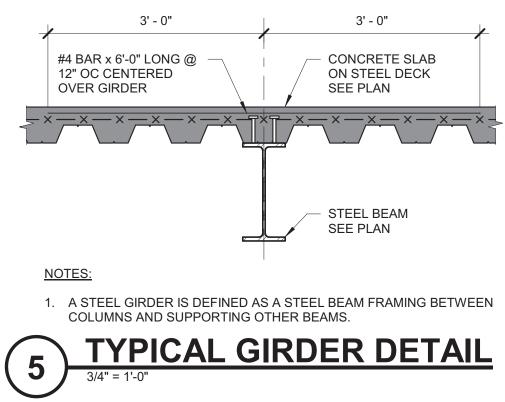






KNIFE PLATE CONNECTION TABLE				
SUPPORTED BEAM	'tpl'	'n'	'w'	
W8, W10	1/4"	2	3/16"	
W12, W14	5/16"	3	1/4"	
W16	3/8"	4	1/4"	
W18	3/8"	5	1/4"	





FIRST POUR WHEN

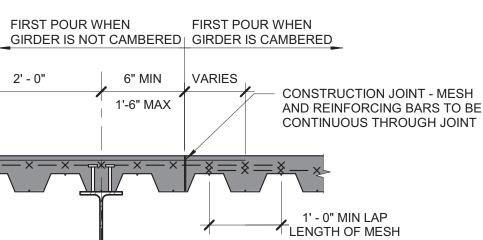
2' - 0"

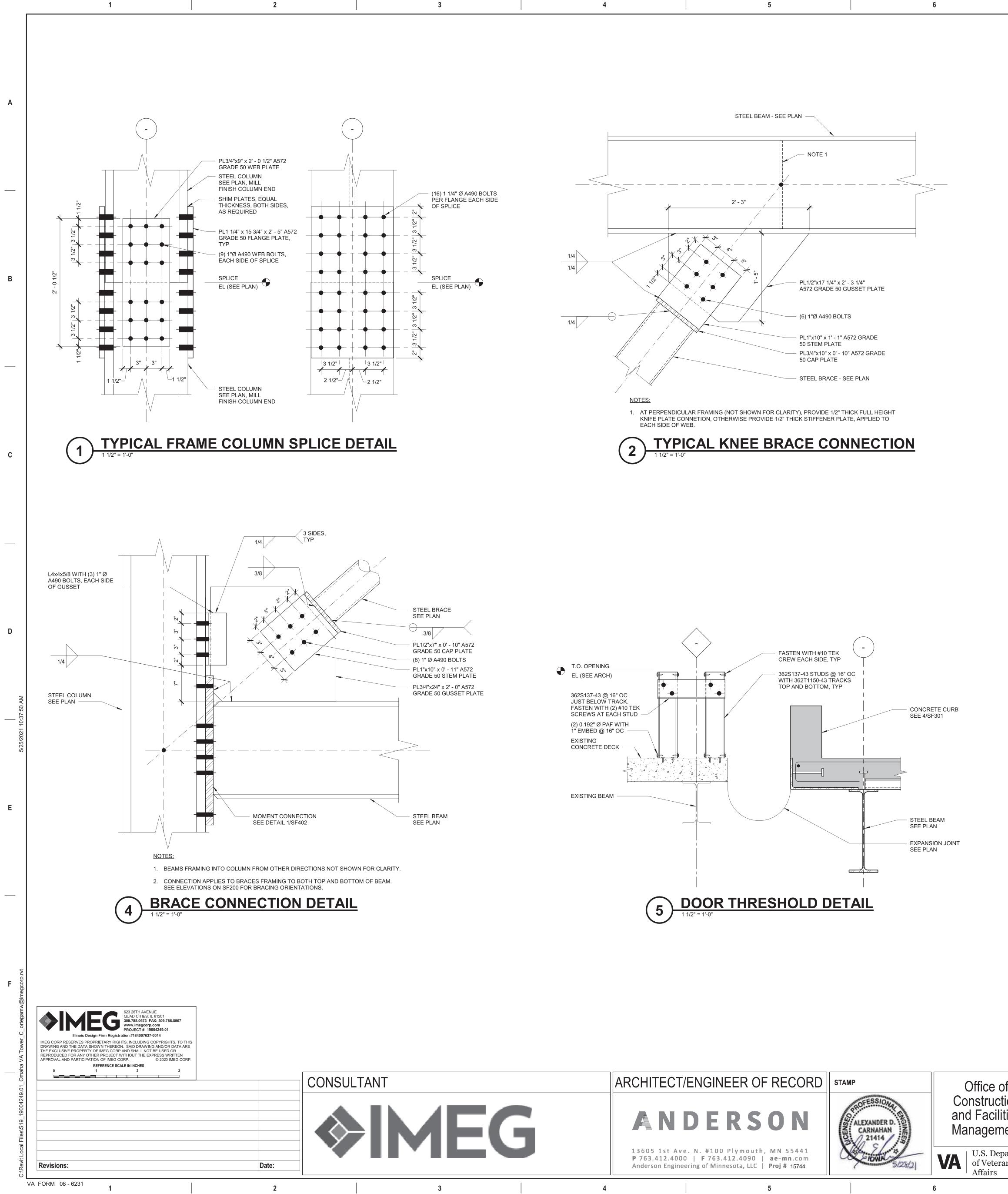
6" MIN

DOUBLE ANGLE CONNECTION TABLE			
SUPPORTED BEAM	'n'		
W8, W10	2		
W12, W14	3		
W16	4		
W18	5		

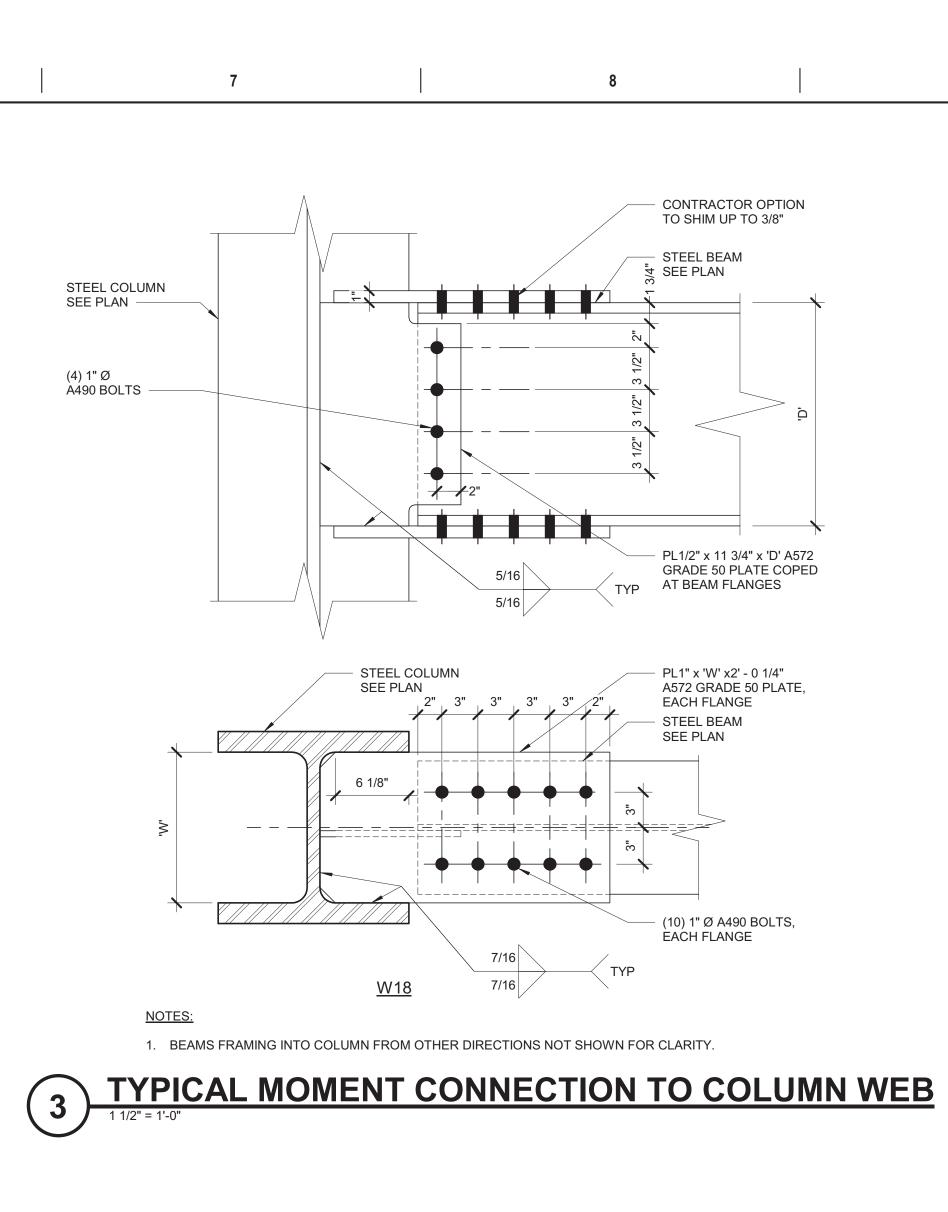
- STEEL GIRDER

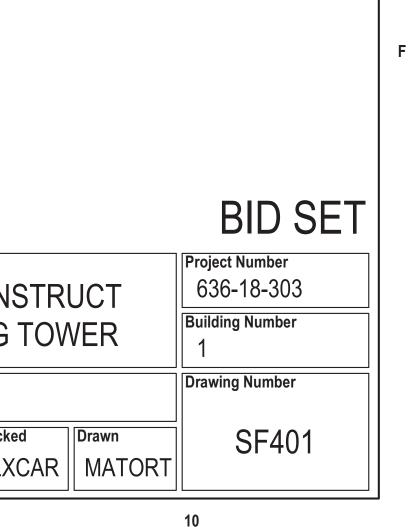
SEE PLAN





-	Drawing Title		Phase	Project Title		
of	STEEL DETAILS		100% CONSTRUCTION	NWIHCS -	CONS	
tion lities	Approved:		DOCUMENTS		AIR HANDLING	
nent				Location OMAHA, NE		
epartment			FULLY SPRINKLERED	Issue Date	Checked	
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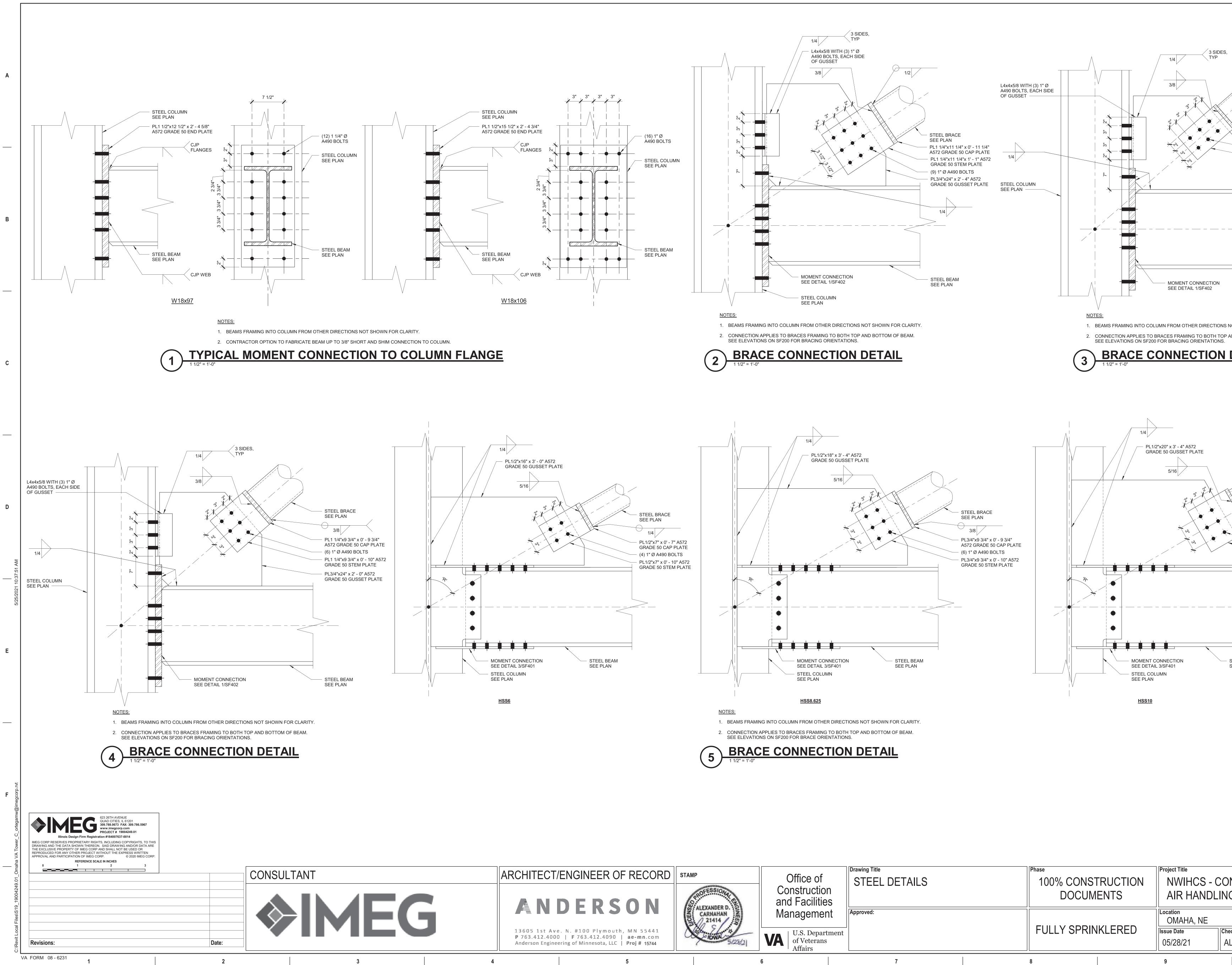
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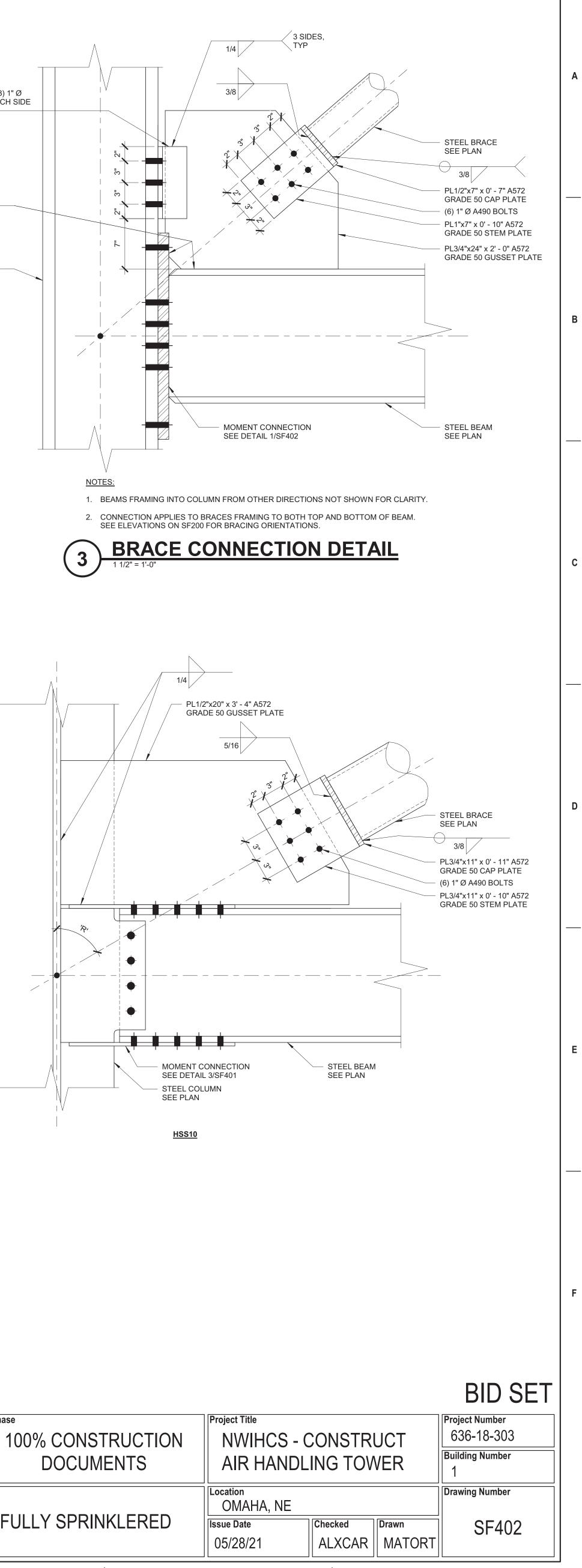
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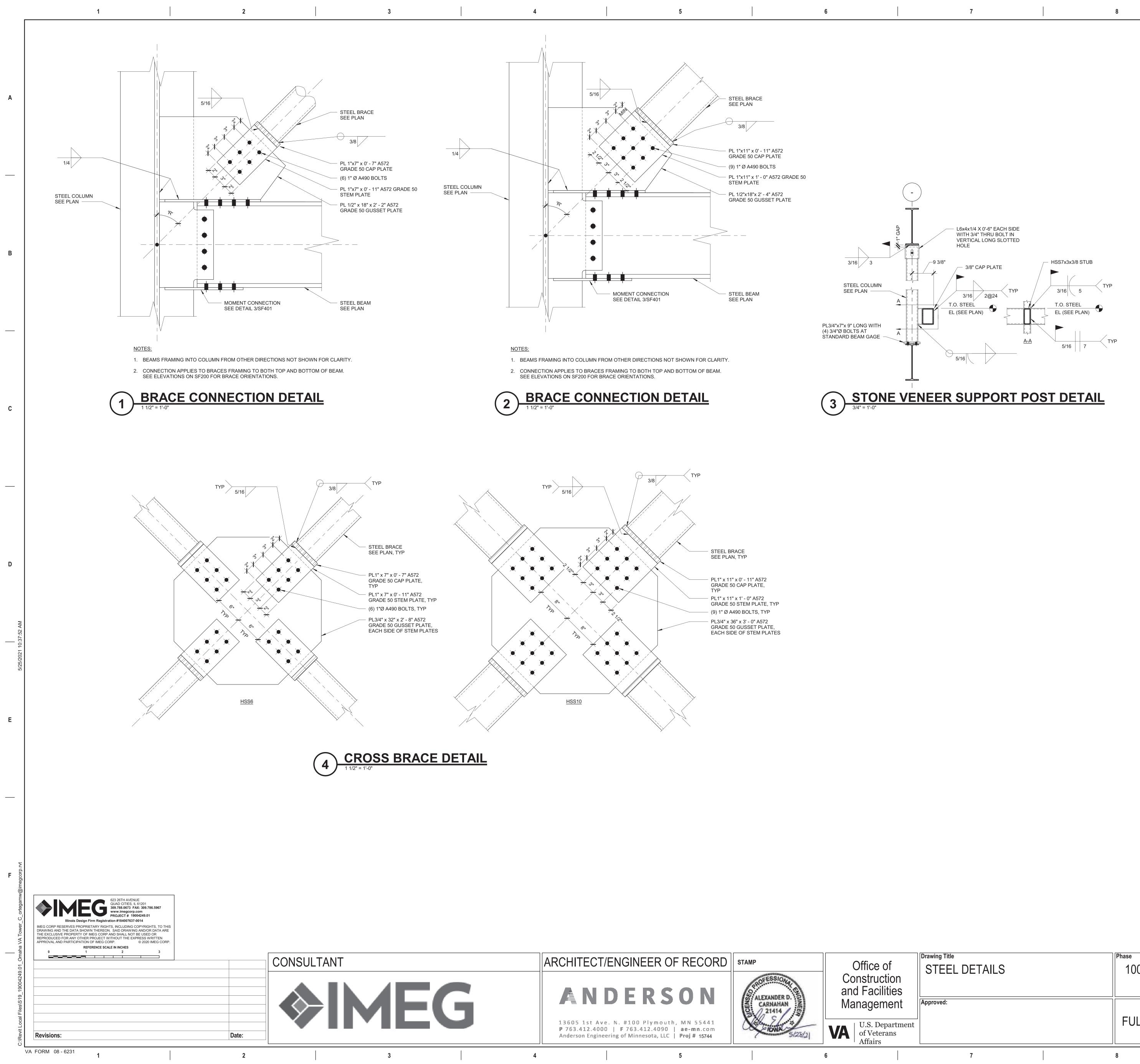
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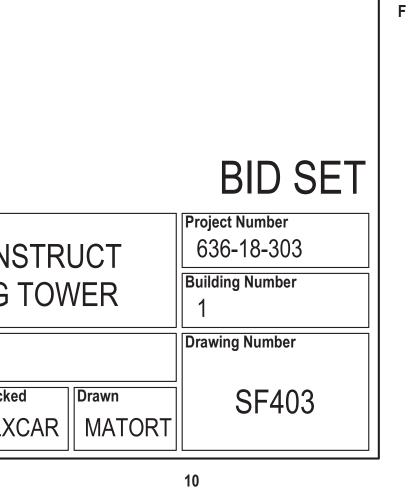


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cilities	Approved:	DOCUMENTS	AIR HANDLING T	
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	Approved:		FULLY SPRI	NKLERED	Location OMAHA, NE Issue Date 05/28/21	Checked ALXC
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