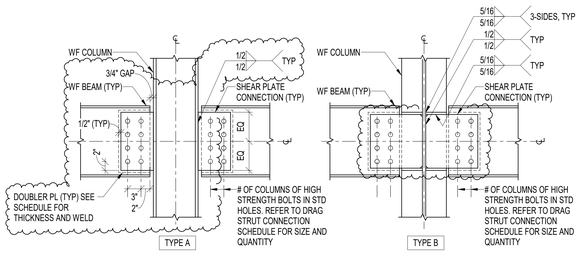


1 DRAG STRUT CONNECTION DETAIL

SCALE: NTS

DRAG STRUT CONNECTION SCHEDULE - DETAIL 1

BEAM	TYPE	SHEAR PLATE THICKNESS	# OF COLUMNS	BOLTS PER COLUMN	BOLT TYPE	DOUBLER PL THICKNESS	DOUBLER PL - WELD SIZE
W24	A&B	3/4"	2	6	1" Ø F2280N	-	-
W27	A&B	7/8"	2	7	1" Ø F2280N	7/8"	1/4"
W30	A&B	7/8"	2	8	1" Ø F2280N	7/8"	1/4"
W33	A&B	3/4"	2	9	1" Ø F2280N	-	-
W36	A&B	3/4"	2	10	1" Ø F2280N	-	-
W40	A&B	1"	2	11	1" Ø F2280N	-	-

BRACED FRAME CONNECTION TABLE

BRACE SIZE	A- GUSSET PL THICKNESS	B - GUSSET TO BEAM FILLET WELD SIZE	C - MINIMUM WELD LENGTH REQUIRED	D - STIFFENER SIZE	E - STIFFENER WELD	F - WEB PLATE THICKNESS	G - WEB PLATE BOLTS	H - ROWS OF BOLTS	J - ANGLE SIZES	K - ANGLE BOLTS
W14x90	5/8"	3/8"	64"	N/A	N/A	5/8"	(4) 1" Ø F2280N	2	2L4x4x3/8	(4) 1" Ø F2280N
W14x99	5/8"	3/8"	72"	N/A	N/A	3/4"	(4) 1" Ø F2280N	2	2L5x5x1/2	(4) 1" Ø F2280N
W14x120	3/4"	1/2"	86"	N/A	N/A	7/8"	(4) 1" Ø F2280N	2	2L5x5x1/2	(5) 1" Ø F2280N
W14x145	3/4"	1/2"	96"	N/A	N/A	1"	(4) 1" Ø F2280N	2	2L6x6x1/2	(6) 1" Ø F2280N

NOTES:
1. ALL BOLTS HOLES SHALL BE STD HOLES.
2. MAX LOAD INDICATES THE MAXIMUM BRACE AXIAL TENSION OR COMPRESSION LOAD FROM LRFD LOAD COMBINATIONS.

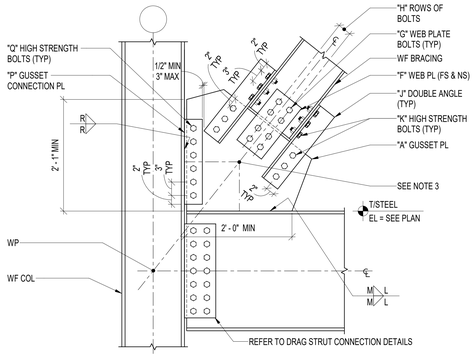
BRACED FRAME CONNECTION TABLE 2

BRACE SIZE	L - MINIMUM WELD LENGTH REQUIRED	M - FILLET WELD SIZE	P - CONNECTION PLATE THICKNESS	Q - CONNECTION PLATE BOLTS	R - FILLET WELD SIZE
W14x90	27"	5/16	1/2"	(6) 1" Ø F2280N	1/4"
W14x99	32"	5/16	1/2"	(7) 1" Ø F2280N	1/4"
W14x120	36"	5/16	5/8"	(10) 1" Ø F2280N	1/4"

NOTES:
1. ALL BOLTS HOLES SHALL BE STD HOLES.
2. MAX LOAD INDICATES THE MAXIMUM BRACE AXIAL TENSION OR COMPRESSION LOAD FROM LRFD LOAD COMBINATIONS.

BRACED FRAME CONNECTION TABLE 3

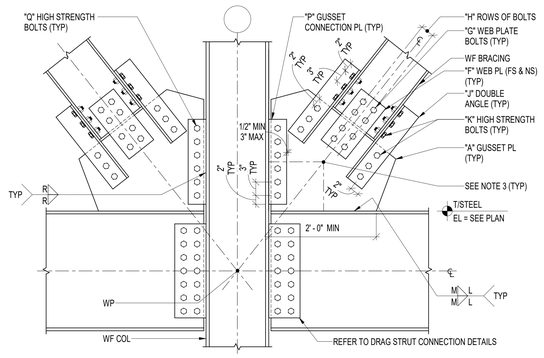
BRACE SIZE	S - MINIMUM WELD LENGTH	T - FILLET WELD SIZE
W14x99	38"	5/16
W14x120	42"	3/8
W14x145	42"	1/2



2 BRACED FRAME DETAIL

SCALE: NTS

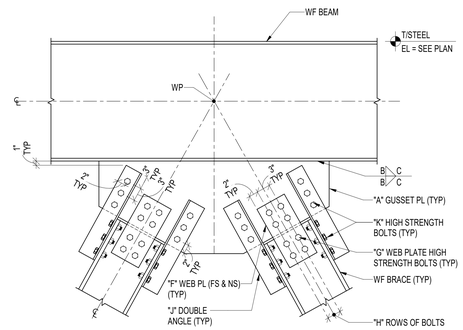
NOTES:
1. REFER TO "BRACED FRAME CONNECTION TABLE" FOR THE FOLLOWING LETTERS: A,F,G,H,J,K.
2. REFER TO "BRACED FRAME CONNECTION TABLE 2" FOR THE FOLLOWING LETTERS: L,M,P,Q, R.
3. PLACE PLATE "P" SUCH THAT THE CL OF THE PLATE , THE WELD AND THE BRACE INTERSECT WITH NO ECCENTRICITY.



3 BRACED FRAME DETAIL

SCALE: NTS

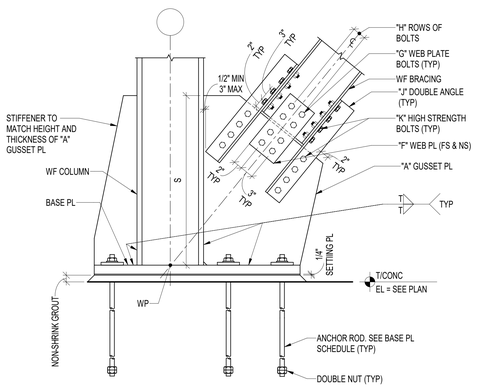
NOTES:
1. REFER TO "BRACED FRAME CONNECTION TABLE" FOR THE FOLLOWING LETTERS: A,F,G,H,J,K.
2. REFER TO "BRACED FRAME CONNECTION TABLE 2" FOR THE FOLLOWING LETTERS: L,M,P,Q,R.
3. PLACE PLATE "P" SUCH THAT THE CL OF THE PLATE , THE WELD, AND THE BRACE INTERSECT WITH NO ECCENTRICITY.

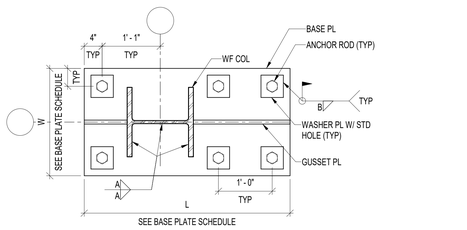


4 BRACED FRAME DETAIL

SCALE: NTS

NOTES:
1. REFER TO "BRACED FRAME CONNECTION TABLE" FOR THE FOLLOWING LETTERS: A,B,C,D,E,F,G,H,J,K.

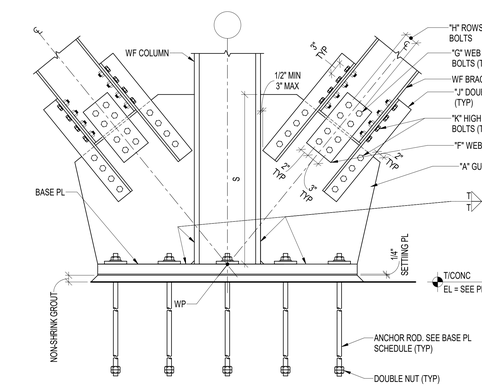


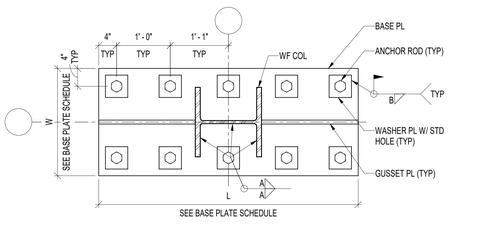


5 BRACE FRAME BASE PLATE DETAIL

SCALE: NTS

NOTES:
1. REFER TO "BRACED FRAME CONNECTION TABLE" FOR THE FOLLOWING LETTERS: A,F,G,H,J,K.
2. REFER TO "BRACED FRAME CONNECTION TABLE 3" FOR THE FOLLOWING LETTERS: S, T.
3. CONTINUE THREADED REBAR WITH MECHANICAL COUPLERS THROUGH INTO THE FULL LENGTH OF THE PILE.

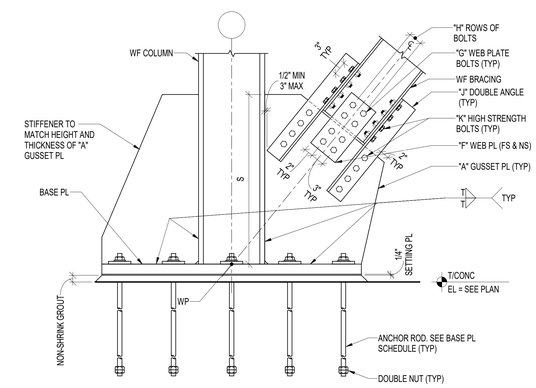


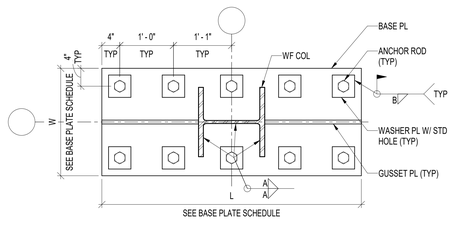


6 BRACE FRAME BASE PLATE DETAIL

SCALE: NTS

NOTES:
1. REFER TO "BRACED FRAME CONNECTION TABLE" FOR THE FOLLOWING LETTERS: A,F,G,H,J,K.
2. REFER TO "BRACED FRAME CONNECTION TABLE 3" FOR THE FOLLOWING LETTERS: S, T.
3. CONTINUE THREADED REBAR WITH MECHANICAL COUPLERS THROUGH INTO THE FULL LENGTH OF THE PILE.





7 BRACE FRAME BASE PLATE DETAIL

SCALE: NTS

NOTES:
1. REFER TO "BRACED FRAME CONNECTION TABLE" FOR THE FOLLOWING LETTERS: A,F,G,H,J,K.
2. REFER TO "BRACED FRAME CONNECTION TABLE 3" FOR THE FOLLOWING LETTERS: S, T.
3. CONTINUE THREADED REBAR WITH MECHANICAL COUPLERS THROUGH INTO THE FULL LENGTH OF THE PILE.

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kW Mission Critical Engineering Member of WSP
EP ENGINEERING PLUS
Kimley»Horn

ISSUES

1		
2		
3	12/17/2025	STEEL MILL ORDER
4	01/23/2026	DESIGN DEVELOPMENT
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REVISIONS

NOT FOR CONSTRUCTION

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Date of issue: 01/23/2026

SF - ARK01
DESIGN DEVELOPMENT
CLARKSVILLE, AR 72830

STEEL BRACED FRAME DETAILS

JOB 25131
SHEET

S05-03

1/22/2026 4:23:02 PM S05-03 STEEL BRACED FRAME DETAILS