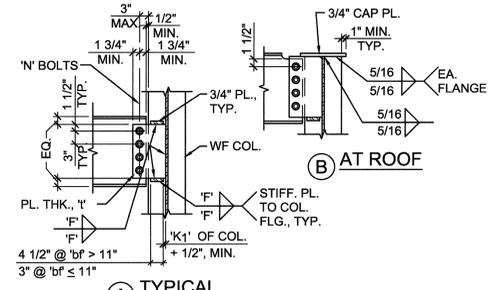


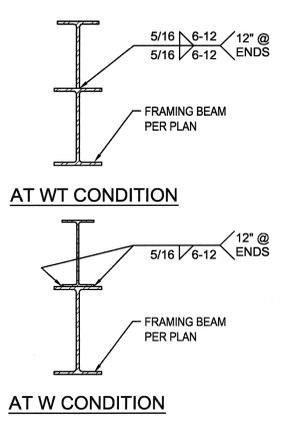
**NOTES:**  
 1. DETAIL SPLIES TO TWO SIDED CONNECTIONS AS SHOWN. IF BEAM FRAMES ONE SIDE ONLY OR  $X > 4'$ , USE FULL DEPTH BEAM TO BEAM CONNECTION DETAIL.  
 2. FOR WELD 'F', NUMBER OF BOLTS 'N', AND PLATE THICKNESS 'T', SEE BOLTED BEAM CONNECTION SCHEDULE.  
 3. SHORT SLOTTED HOLES IN SHEAR PLATE MAY BE USED.

**13** BM. TO BM. CONNECTION  
MEMBER 'A' > MEMBER 'B'  
N.T.S.

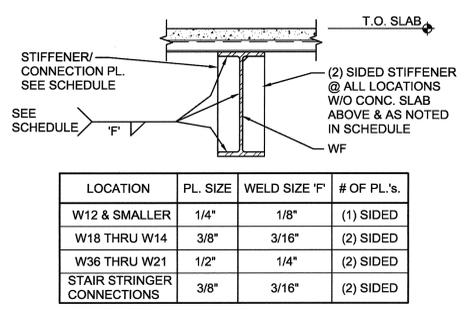


**NOTES:**  
 1. SIMILAR CONDITIONS APPLY FOR BMS. ON BOTH SIDES OF COL.  
 2. FOR WELD SIZE 'F', NUMBER OF BOLTS 'N' & PL. THICKNESS 'T', SEE BOLTED BM. CONNECTION SCHEDULE, DETAIL 1/-.

**10** WF TO WEAK WAY WF  
COLUMN CONNECTION  
N.T.S.



**7** FILLER BEAM  
ABOVE FRAMING BEAM  
N.T.S.



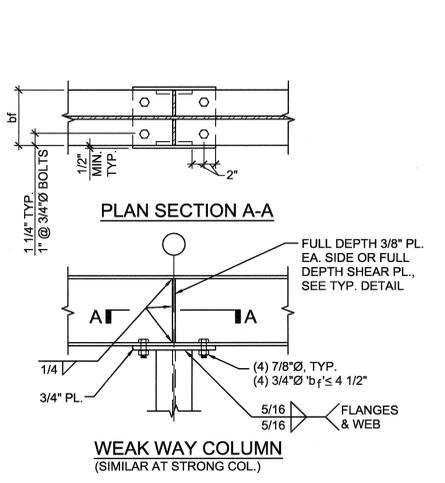
**NOTES:**  
 1. USE THIS DETAIL WHERE PL.'s OR STIFFENERS ARE SHOWN BUT NOT DETAILED.  
 2. WELD TO BE MAXIMUM OF A.W.S. MINIMUM & SCHEDULE SIZE.  
 3. COORDINATE LOCATIONS OF PL.'s W/ ARCH. DWGS.

**4** STIFFENER CONNECTION PLATE  
N.T.S.

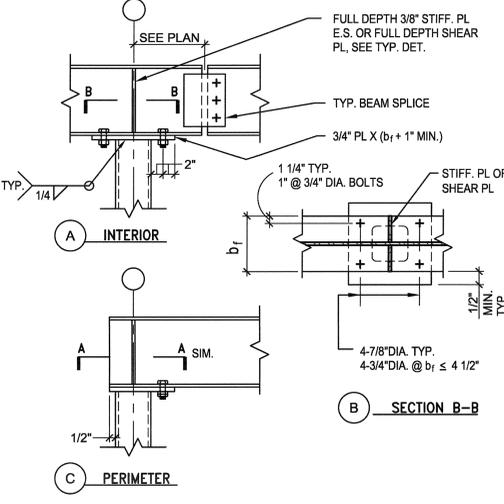
BEAM CONNECTION SCHEDULE				
NOMINAL MEMBER DEPTH	SHEAR PL. THICKNESS (T)	FASTENERS A325-X U.O.N. (N)	WELD SIZE (F)	REMARKS
LESS THAN 12"	3/8"	(2) 7/8"Ø	5/16"	
12" THRU 14"	3/8"	(3) 7/8"Ø	5/16"	
16" THRU 18"	1/2"	(4) 7/8"Ø	3/8"	
21"	1/2"	(5) 7/8"Ø	3/8"	
24"	1/2"	(6) 7/8"Ø	3/8"	
27"	1/2"	(7) 7/8"Ø	3/8"	
30"	1/2"	(8) 7/8"Ø	3/8"	
33"	1/2"	(9) 7/8"Ø	3/8"	
36"	1/2"	(10) 7/8"Ø	3/8"	
40"	1/2"	(11) 7/8"Ø	3/8"	

**NOTES:**  
 1. BOLT HOLES TO BE STD. HOLES 1/16" GREATER THAN BOLT DIAMETER. SHORT SLOTTED HOLES IN SHEAR PLATE MAY BE USED ONLY WHERE NOTED.  
 2. BOLTS TO BE FULLY PRETENSIONED W/ HARDENED WASHERS, U.O.N.  
 3. SCHEDULE BASED ON NOMINAL DEPTH OF WIDE FLANGE BEAMS, CHANNELS, TUBES, & OTHER MISCELLANEOUS SHAPES.

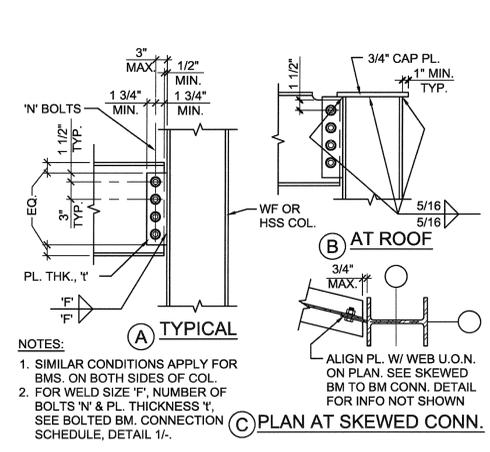
**1** BOLTED BM. CONN. SCHEDULE  
N.T.S.



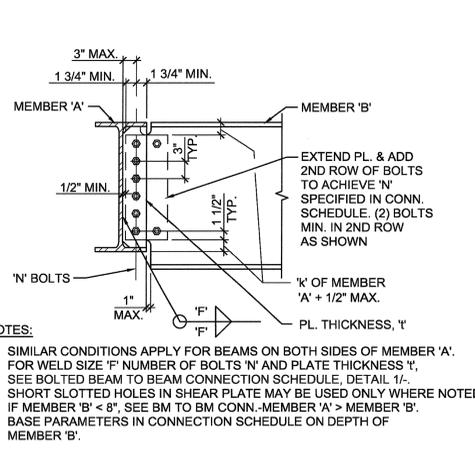
**11** SEATED WF BEAM TO WF COL.  
N.T.S.



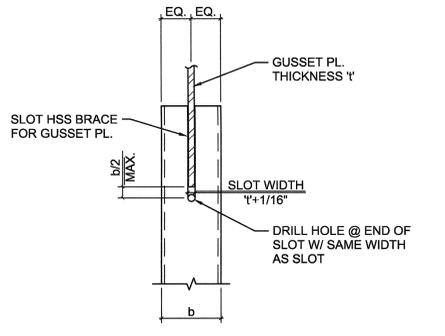
**8** SEATED WF TO HSS COLUMN  
N.T.S.



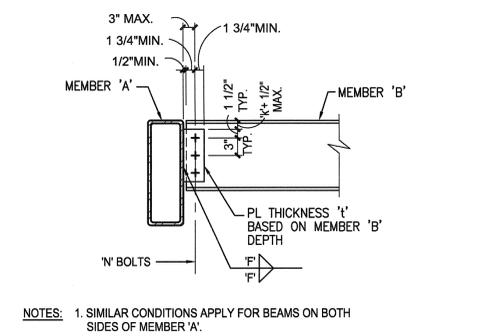
**5** WF TO STRONG WAY  
WF OR HSS COLUMN  
N.T.S.



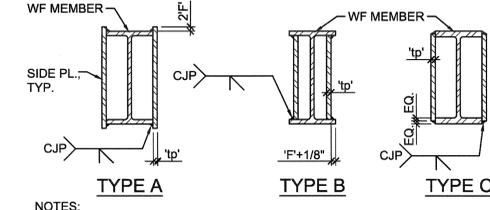
**2** BM. TO BM. CONNECTION  
MEMBER 'A' <= MEMBER 'B'  
N.T.S.



**12** HSS SLOT DETAIL  
N.T.S.



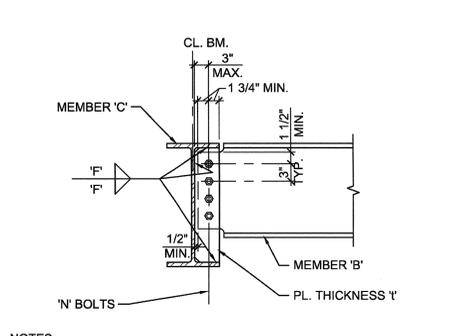
**9** WF TO HSS BEAM CONNECTION  
N.T.S.



**NOTES:**  
 1. PROVIDE SIDE PLATE CONTINUOUS TO WITHIN 0'-6" OF SUPPORTS FOR BEAMS AND WITHIN 0'-6" OF INTERSECTING BEAMS FOR COLUMNS.  
 2. WHERE SIDE PLATE MEETS (N) BRACE CONNECTIONS, TERMINATE SIDE PLATE AT THE FULL DEPTH HORIZONTAL STIFFENER AND PROVIDE CJP TO STIFFENER.  
 3. SEE PLANS FOR LOCATIONS AND STL. GRADE.  
 4. WHERE PLATES ARE NOT INSTALLED AS ONE CONTINUOUS PIECE, PROVIDE CJP CONNECTION PLATE TO PLATE.

BUILT-UP SECTION SCHEDULE					
MARK	TYPE	WF MEMBER	PL. THICKNESS (T)	WELD SIZE (F)	REMARKS
BU1	B	VARIES	5/8"	1/2"	
BU2	B	VARIES	3/4"	1/2"	

**6** BUILT-UP SECTIONS  
N.T.S.



**3** FULL DEPTH CONNECTION  
MEMBER 'B' > W10  
N.T.S.

three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot

Revisions	Date

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Drawing Title  
**TYPICAL STEEL DETAILS**  
 Approved Project Director

Project Title  
**BUILDING 24 SEISMIC CORRECTION AND ADDITION**  
 Location  
**VAMC FRESNO, CA**  
 Date  
**January 31, 2012**  
 Project Number  
**570-215**  
 Building Number  
**24**  
 Drawing Number  
**SS111**  
 Dwg. 10 of 80

Office of  
**Construction and Facilities Management**  
 Department of  
**Veterans Affairs**