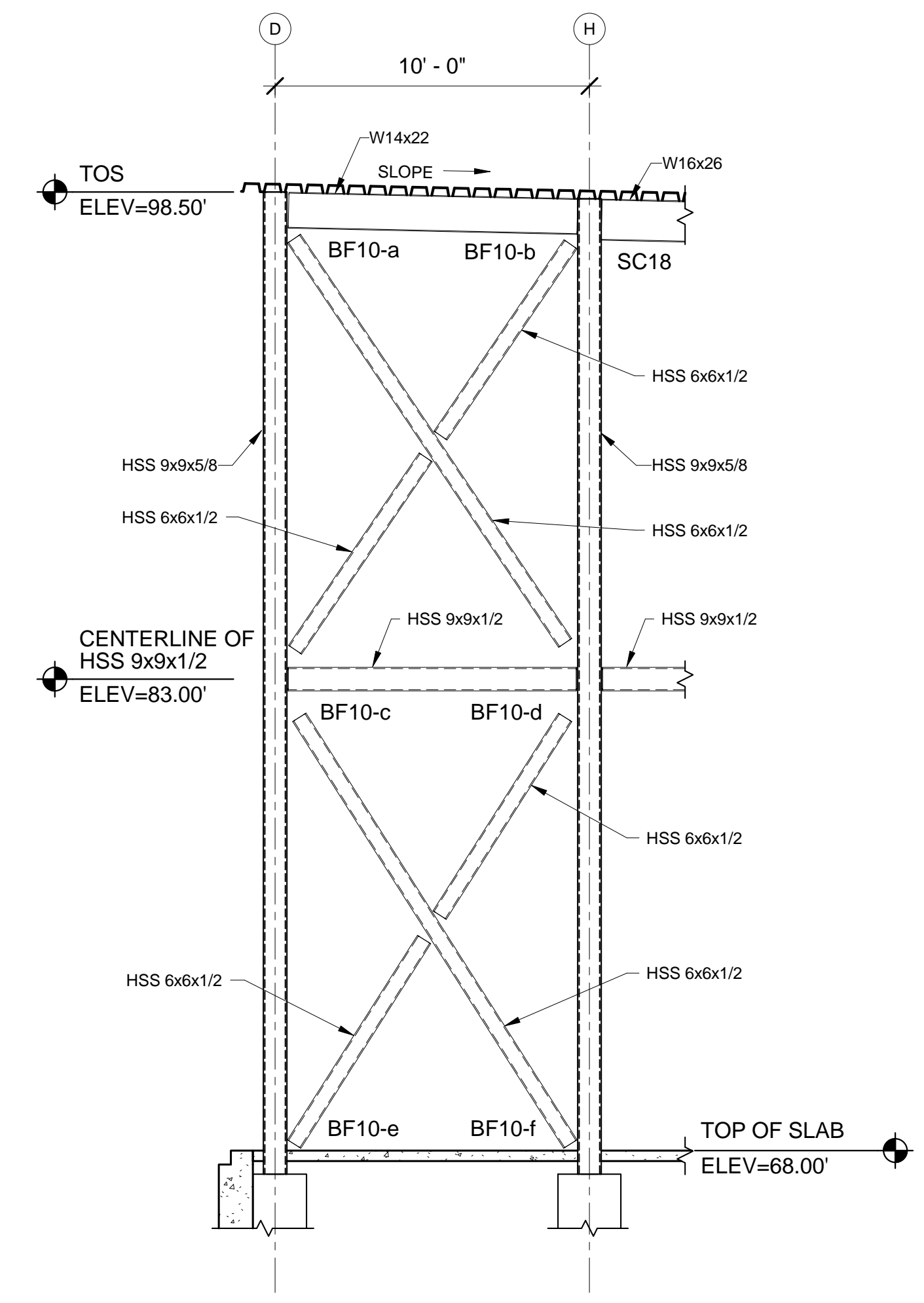


1 BRACED FRAME 9 ELEVATION
SF202 / SCALE: 1/4" = 1'-0"

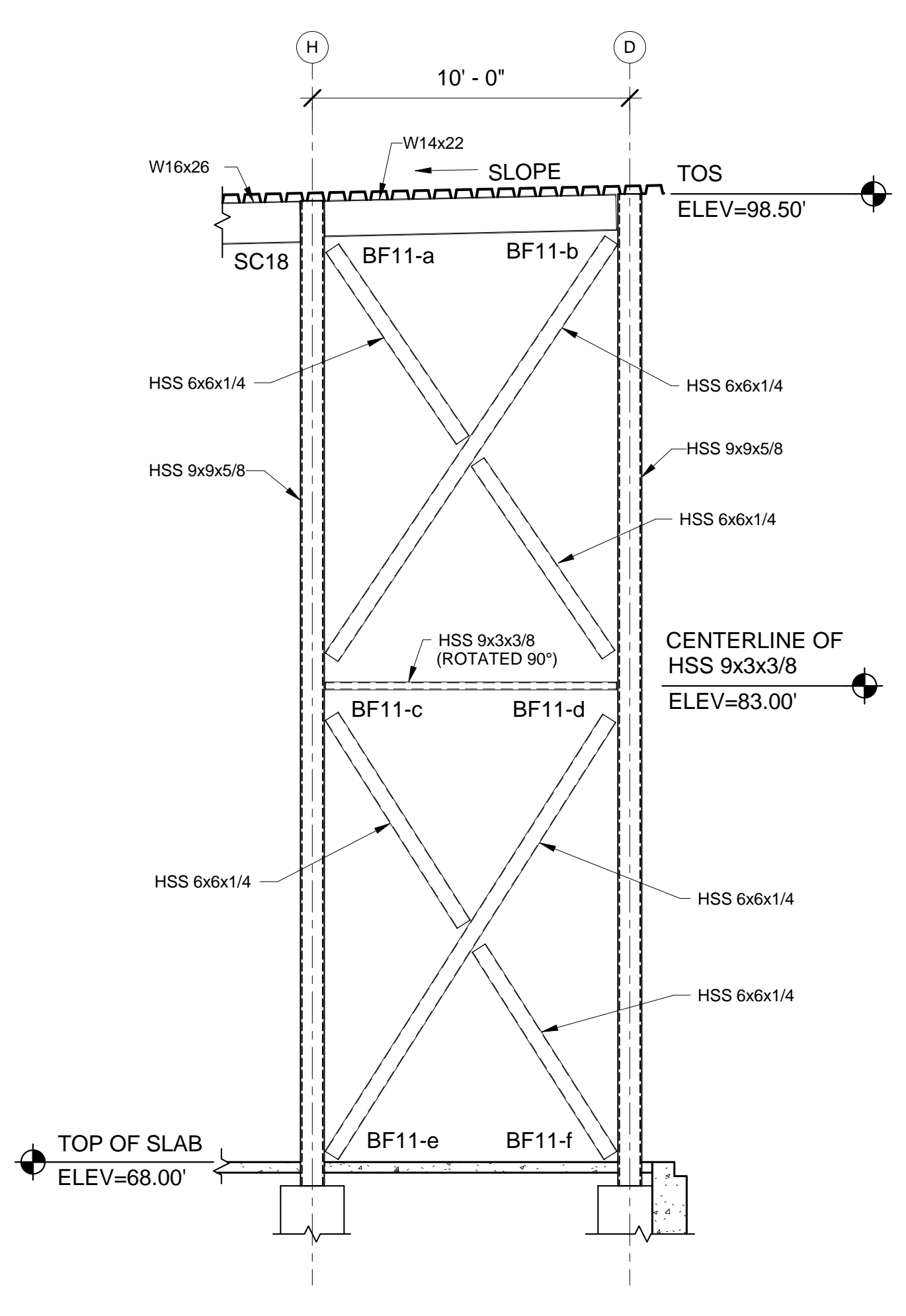
CONNECTION NO.	UPPER BRACE FORCE	LOWER BRACE FORCE	BEAM END VERTICAL REACTIONS		BEAM AXIAL FORCE
			DL	SL	
BF1-a	NA	16	NA	NA	13
BF1-b	16	NA	NA	NA	NA
BF1-c	16	NA	NA	NA	NA
BF2-a	NA	16	NA	NA	17
BF2-b	16	NA	NA	NA	NA
BF2-c	16	NA	NA	NA	NA
BF3-a	NA	19	3	8	12
BF3-b	NA	19	3	8	12
BF3-c	19	NA	NA	NA	NA
BF3-d	19	NA	NA	NA	NA
BF4-a	NA	19	3	10	12
BF4-b	NA	19	3	10	12
BF4-c	19	NA	NA	NA	NA
BF4-d	19	NA	NA	NA	NA
BF5-a	NA	26	3	5	12
BF5-b	NA	26	3	5	12
BF5-c	26	65	4	8	10
BF5-d	26	65	4	8	10
BF5-e	65	NA	NA	NA	NA
BF5-f	65	NA	NA	NA	NA
BF6-a	NA	31	NA	NA	27
BF6-b	31	43	9	29	10
BF6-c	31	43	9	29	10
BF6-d	43	NA	NA	NA	NA
BF6-e	43	NA	NA	NA	NA
BF7-a	NA	38	7	11	40
BF7-b	NA	38	7	11	40
BF7-c	38	NA	NA	NA	10
BF7-d	38	NA	NA	NA	NA
BF7-e	38	NA	NA	NA	NA
BF8-a	NA	38	7	11	40
BF8-b	NA	38	7	11	40
BF8-c	38	NA	NA	NA	10
BF8-d	38	NA	NA	NA	NA
BF8-e	38	NA	NA	NA	NA
BF9-a	NA	24	NA	NA	77
BF9-b	24	NA	NA	NA	NA
BF9-c	24	NA	NA	NA	NA
BF10-a	NA	73	5	8	90
BF10-b	NA	73	5	8	90
BF10-c	73	108	5	5	160
BF10-d	73	108	5	5	160
BF10-e	108	NA	NA	NA	NA
BF10-f	108	NA	NA	NA	NA
BF11-a	NA	64	5	8	90
BF11-b	NA	64	5	8	90
BF11-c	64	66	5	5	10
BF11-d	64	66	5	5	10
BF11-e	66	NA	NA	NA	NA
BF11-f	66	NA	NA	NA	NA
BF12-a	NA	23	5	8	45
BF12-b	NA	23	5	8	45
BF12-c	23	NA	NA	NA	NA
BF12-d	23	NA	NA	NA	NA

DESIGN LOAD COMBINATIONS
LC1: 1.2DL+1.6SL
LC2: (1.2+0.2Sds)DL+0.2SL+1.0E
Sds=0.484g

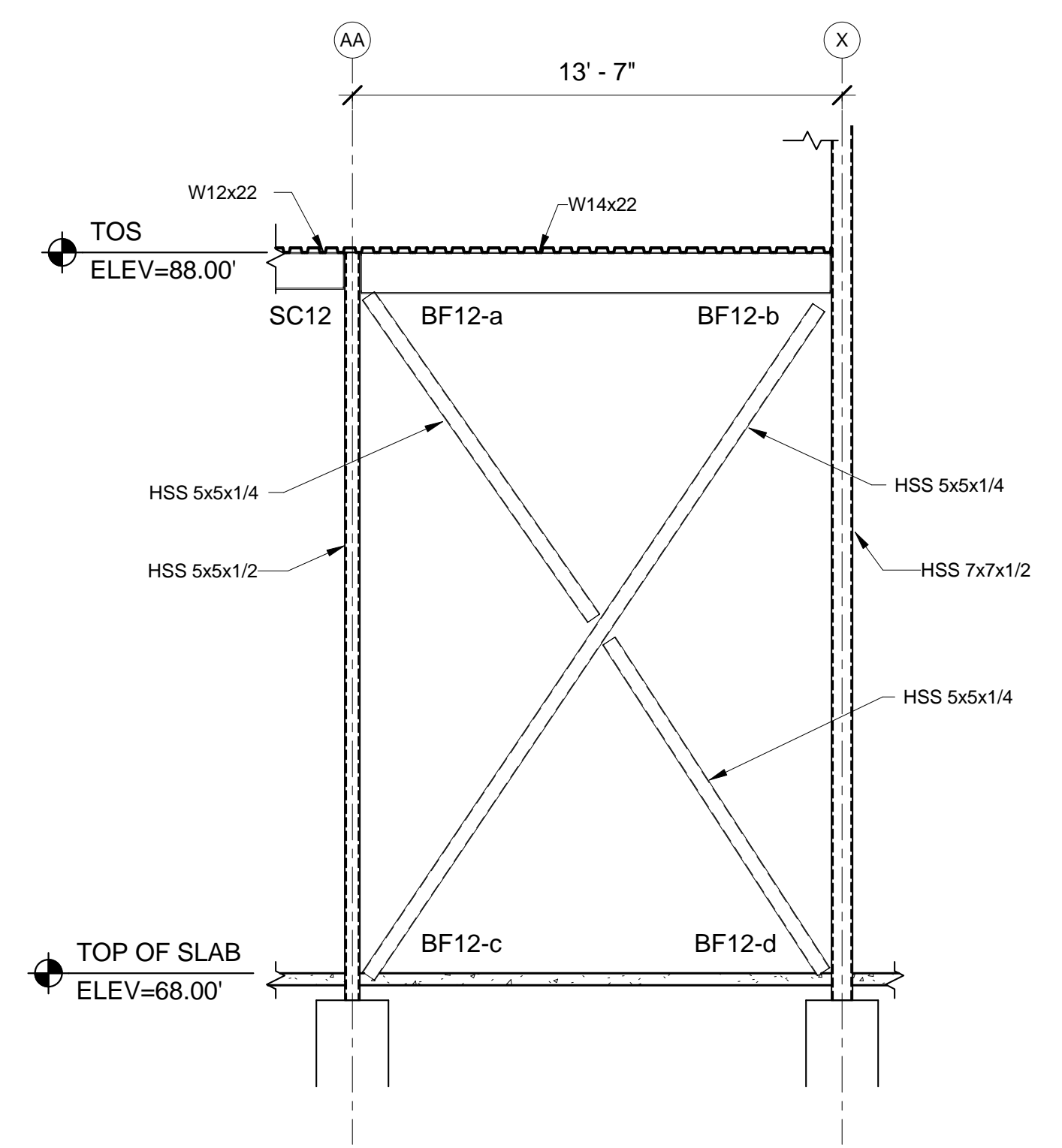
- NOTES:**
- BRACE FORCES CAN ACT IN COMPRESSION OR TENSION.
 - BRACE FORCE IS FACTORED FORCE BASED ON LC2.
 - BEAM FORCES HAVE OVERSTRENGTH FACTOR APPLIED.
 - DESIGN PLATES AT INTERSECTING BRACE MEMBERS FOR BRACE AXIAL FORCE.
 - WIND FORCES ARE LESS THAN SEISMIC FORCES AND ARE NOT INCLUDED.
 - CONNECTIONS SHALL BE DESIGNED USING THE UNIFORM FORCE METHOD.



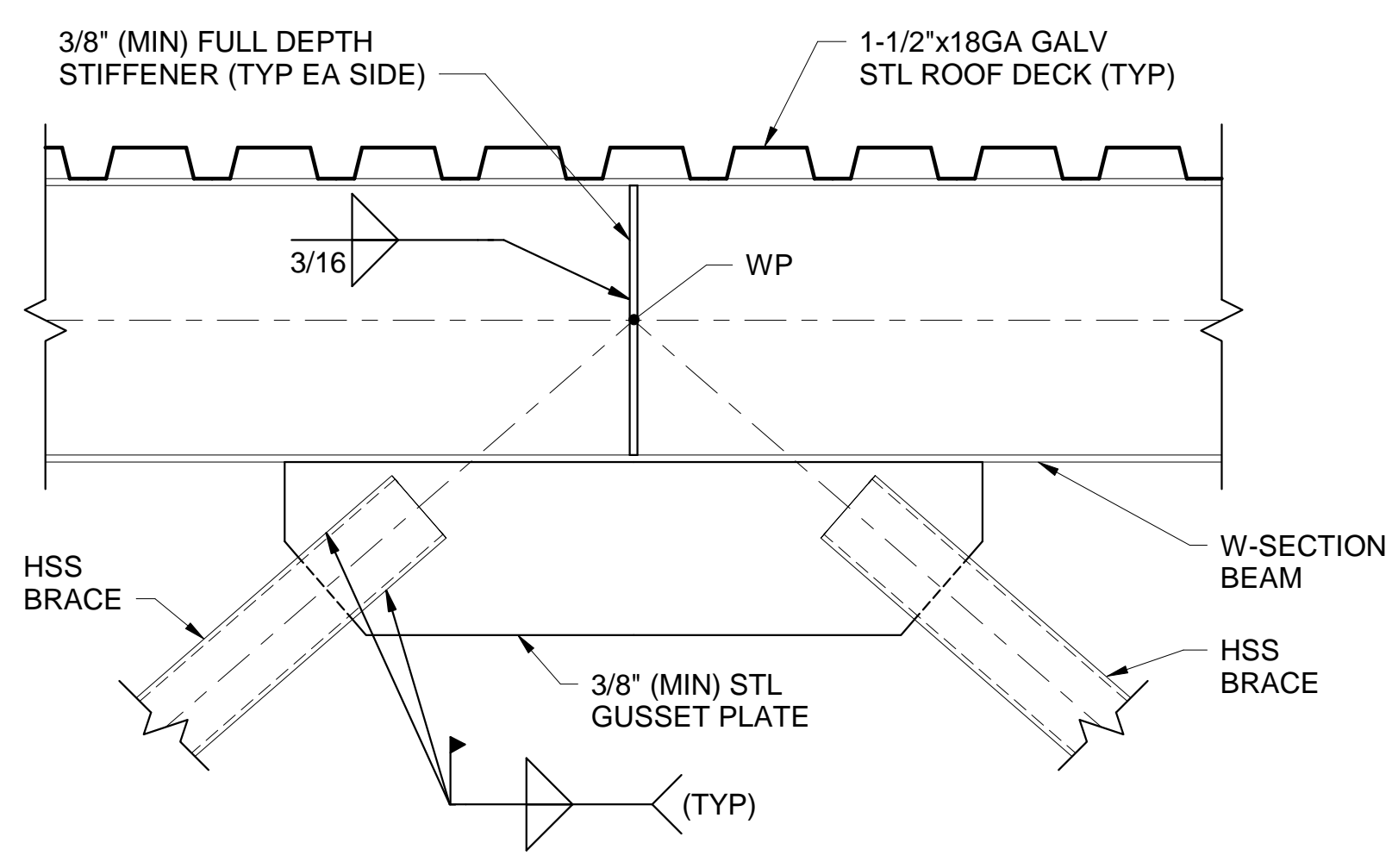
2 BRACED FRAME 10 ELEVATION
SF202 / SCALE: 1/4" = 1'-0"



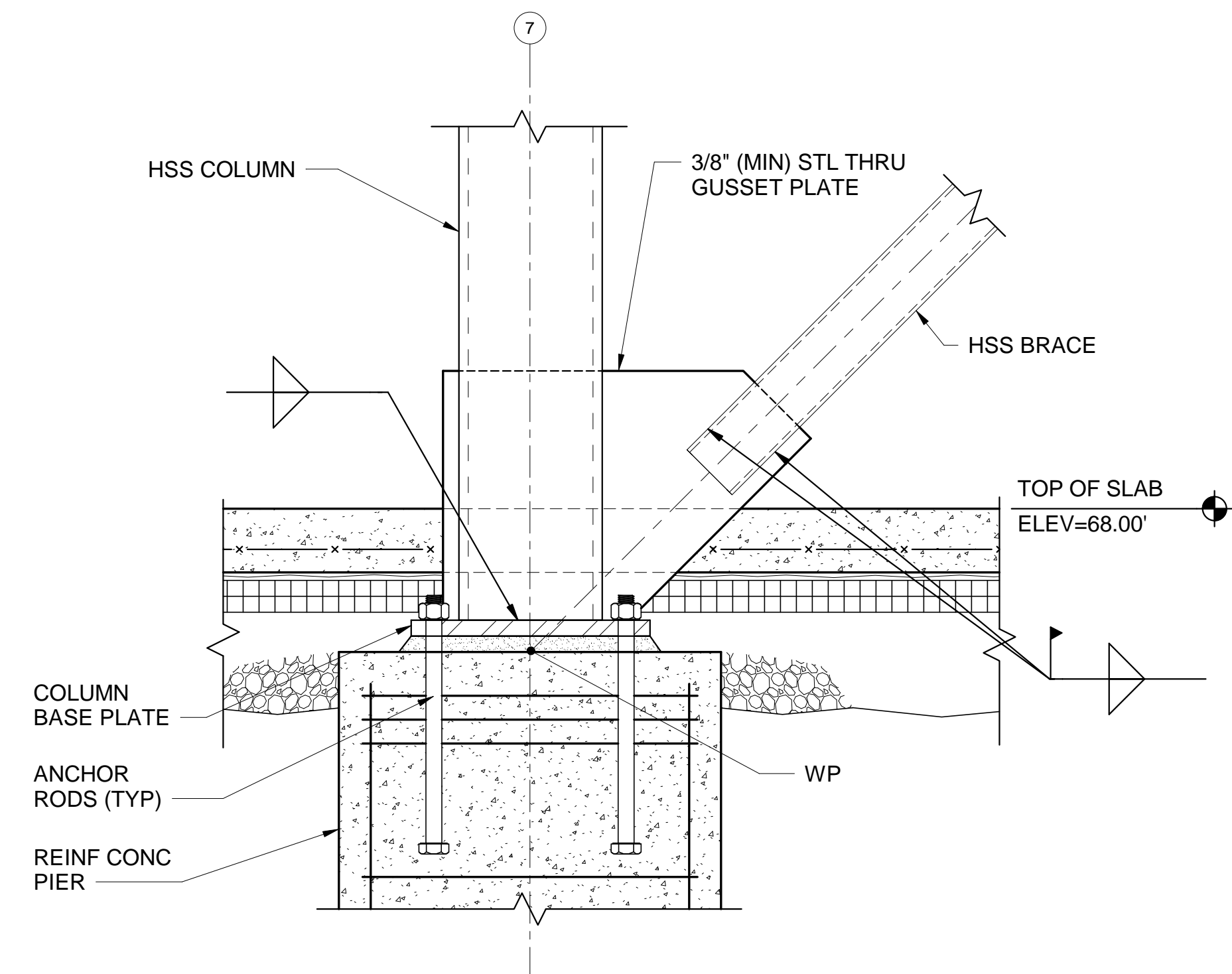
3 BRACED FRAME 11 ELEVATION
SF202 / SCALE: 1/4" = 1'-0"



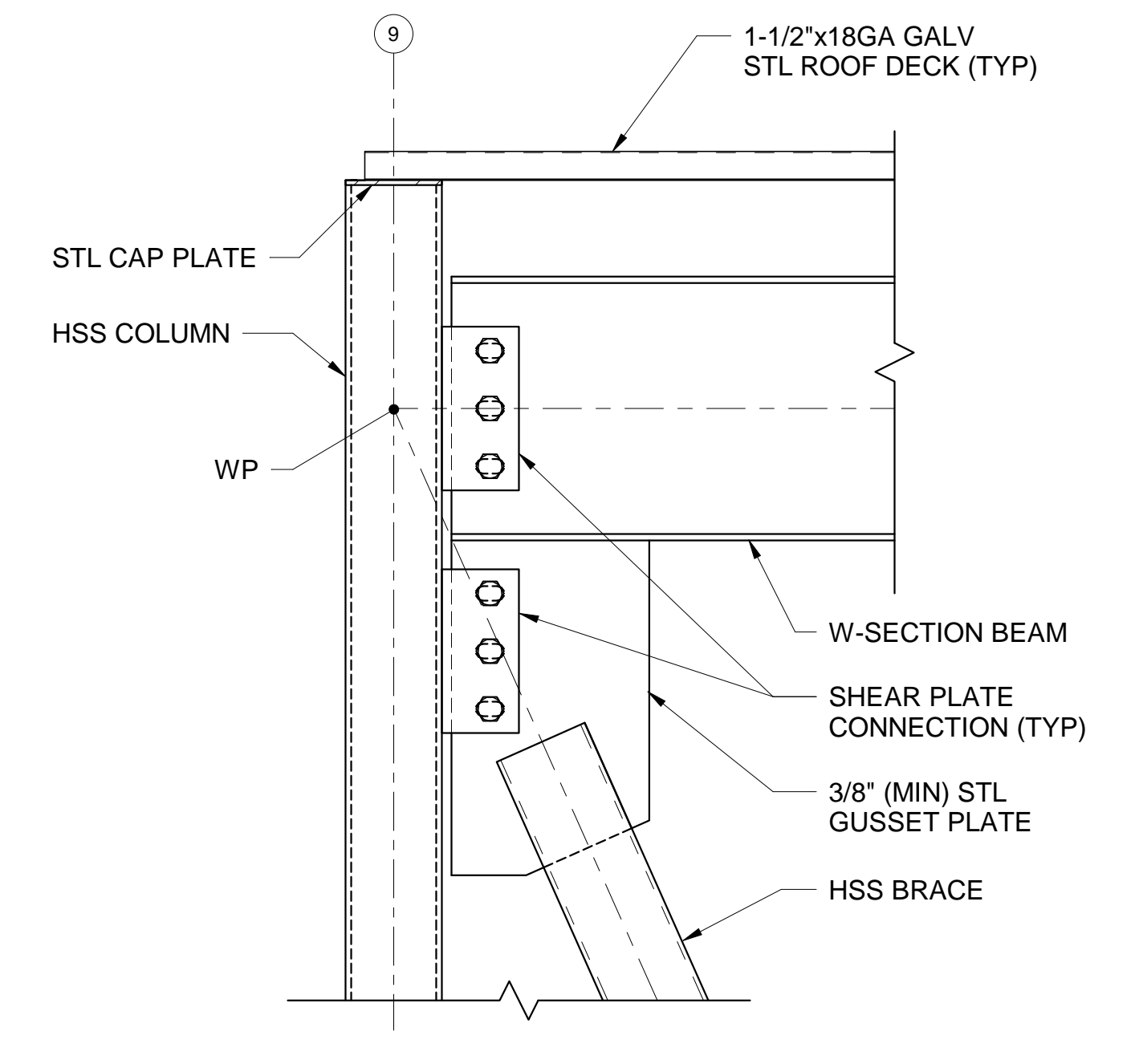
4 BRACED FRAME 12 ELEVATION
SF202 / SCALE: 1/4" = 1'-0"



5 TYP BRACE TO BEAM CONN DETAIL
SF201, SF202 / SCALE: 1 1/2" = 1'-0"

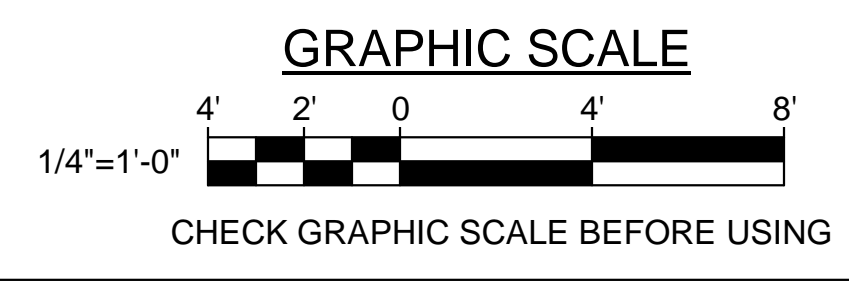


6 TYP BRACE TO COLUMN CONN DETAIL
SF202 / SCALE: 1 1/2" = 1'-0"



7 TYP BRACE TO BEAM/COL CONN DETAIL
SF201, SF202 / SCALE: 1 1/2" = 1'-0"

- DRAWING NOTES:**
- REFER TO THIS SHEET FOR BRACING CONNECTION FORCES.
 - REFER TO FRAMING PLAN SHEETS SF104 AND SF105 FOR BEAM TO COLUMN CONNECTION INFORMATION.
 - REFER TO SHEET SF606 FOR SEISMIC COLLECTOR CONNECTION SCHEDULE.
 - CONNECTION DETAILS 5/SF202, 6/SF202 AND 7/SF202 SHOW THE GENERAL DESIGN INTENT. EXACT PLATE SIZE, THICKNESS AND WELDS TO BE DETERMINED BY CONNECTION DESIGN ENGINEER OF RECORD.



		<p>STATE OF MAINE PUBLIC SCHOOL PROJECT TITLE: PORTLAND PUBLIC SCHOOLS NEW FRED P. HALL ELEMENTARY SCHOOL LOCATION: 23 ORONO ROAD, PORTLAND, ME TITLE THIS DWG: BRACED FRAME ELEVATIONS 2</p>
<p>DRAWN BY: MJC CHECK BY: DNM</p>	<p>DATE: 03/17/17</p>	<p>OAK POINT ASSOCIATES DRAWING NO. SF202 SHEET NO. 102 OF 312</p>