

Use the SBP instead of extra truss plies or nail-on scabs to distribute concentrated truss reactions and avoid top plate crushing. The two-piece design accommodates any number of girder plies. A wraparound design gives superior uplift resistance, and reinforcement ribs effectively distribute bearing loads. Works with both single and double 2x4 or 2x6 top plates.

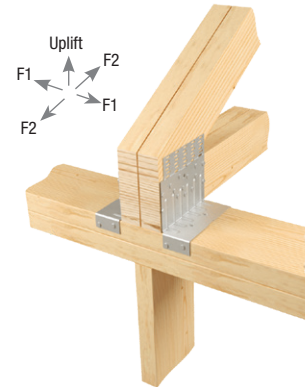
**Materials:** 16 gauge

**Finish:** G90 galvanizing

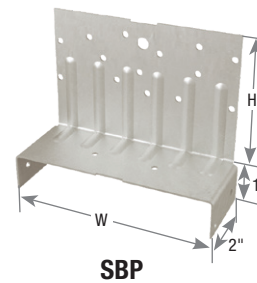
**Codes:** IBC, FL, LA

**Installation:**

- Use all specified fasteners. See Product Notes, page 18.
- **The SBP shall be installed in pairs.**



**Typical SBP installation**



**SBP**

No. of Truss Plies	Wood Species	F <sub>c</sub> (psi)	Allowable Loads (Lbs.) <sup>1,2,3</sup>								
			SBP's Alone			SBP + Truss Bearing <sup>4</sup>					
			100%	115%	125%	100%	EBL	115%	EBL	125%	EBL
<b>SBP4 on 2 x 4 Top Plate (3-1/2" wide)</b>											
1-Ply	DF	625	2500	2805	2955	5780	6.17	6085	6.49	6235	6.65
	SP	565	2745	2955	2955	5710	6.74	5920	6.99	5920	6.99
	S-P-F	425	2200	2365	2365	4430	6.95	4595	7.21	4595	7.21
	Hem Fir	405	2245	2445	2445	4370	7.19	4570	7.52	4570	7.52
2-Ply	DF	625	2500	2805	2955	9065	4.83	9370	5.00	9520	5.08
	SP	565	2745	2955	2955	8680	5.12	8890	5.24	8890	5.24
	S-P-F	425	2200	2365	2365	6665	5.23	6830	5.36	6830	5.36
	Hem Fir	405	2245	2445	2445	6500	5.35	6700	5.51	6700	5.51
3-Ply	DF	625	2500	2805	2955	12345	4.39	12650	4.50	12800	4.55
	SP	565	2745	2955	2955	11645	4.58	11855	4.66	11855	4.66
	S-P-F	425	2200	2365	2365	8895	4.65	9060	4.74	9060	4.74
	Hem Fir	405	2245	2445	2445	8625	4.73	8825	4.84	8825	4.84
4-Ply	DF	625	2500	2805	2955	15625	4.17	15930	4.25	16080	4.29
	SP	565	2745	2955	2955	14610	4.31	14820	4.37	14820	4.37
	S-P-F	425	2200	2365	2365	11125	4.36	11290	4.43	11290	4.43
	Hem Fir	405	2245	2445	2445	10750	4.42	10950	4.51	10950	4.51
<b>SBP6 on 2 x 6 Top Plate (5-1/2" wide)</b>											
1-Ply	DF	625	3500	3930	4235	8655	9.23	9085	9.69	9390	10.02
	SP	565	3845	4295	4295	8505	10.04	8955	10.57	8955	10.57
	S-P-F	425	3080	3415	3415	6585	10.33	6920	10.85	6920	10.85
	Hem Fir	405	3140	3525	3535	6480	10.67	6865	11.30	6875	11.32
2-Ply	DF	625	3500	3930	4235	13815	7.37	14245	7.60	14550	7.76
	SP	565	3845	4295	4295	13170	7.77	13620	8.04	13620	8.04
	S-P-F	425	3080	3415	3415	10095	7.92	10430	8.18	10430	8.18
	Hem Fir	405	3140	3525	3535	9825	8.09	10210	8.40	10220	8.41
3-Ply	DF	625	3500	3930	4235	18970	6.74	19400	6.90	19705	7.01
	SP	565	3845	4295	4295	17830	7.01	18280	7.19	18280	7.19
	S-P-F	425	3080	3415	3415	13600	7.11	13935	7.29	13935	7.29
	Hem Fir	405	3140	3525	3535	13165	7.22	13550	7.43	13560	7.44
4-Ply	DF	625	3500	3930	4235	24125	6.43	24555	6.55	24860	6.63
	SP	565	3845	4295	4295	22490	6.63	22940	6.77	22940	6.77
	S-P-F	425	3080	3415	3415	17105	6.71	17440	6.84	17440	6.84
	Hem Fir	405	3140	3525	3535	16505	6.79	16890	6.95	16900	6.95

- 1) Allowable loads are for a pair of SBP devices. SBPs shall be installed in pairs.
- 2) Multiple ply trusses shall be fastened together to act as a single unit.
- 3) EBL denotes effective bearing length in inches and includes the actual bearing length plus the contribution of the SBP device.
- 4) Assumes full seating of truss on top plate.

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Joist Thickness (in)	Fastener Schedule <sup>1,6</sup>				DF/SP Allowable Loads (Lbs.) <sup>2,3</sup>			S-P-F Allowable Loads (Lbs.) <sup>2,3</sup>			Code Ref.	
			W	H		Plate		Truss		Uplift <sup>4</sup> 160%	F1 160%	F2 160%	Uplift <sup>4</sup> 160%	F1 160%	F2 160%		
						Top Qty	Sides Qty	Type	Qty								Type
SBP4	TBE4	16	3-1/2	3-1/4	2-7/8 or less 3 or more	4	8	10d	20	10d x 1-1/2	1205	1530	1625	820	1195	1335	IBC, FL, LA
									20	10d							
SBP6	TBE6	16	5-1/2	3-1/4	2-7/8 or less 3 or more	4	8	10d	28	10d x 1-1/2	1205	1530	1625	820	1195	1335	LA
									28	10d							

- 1) Fastener Schedule is for a pair of SBP devices.
  - 2) Allowable loads are for a pair of SBP devices. SBPs shall be installed in pairs.
  - 3) Multiple ply trusses shall be fastened together to act as a single unit.
  - 4) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
  - 5) Other connector models are not to be combined with SBP to resist the uplift force or lateral loads. For special considerations, consult MiTek Customer Service.
  - 6) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.
- New products or updated product information are designated in blue font.