SIDEPLATE TAKEOFF

MARK	COLUMN	BEAM	SIDEPLATES			TOP COVERPLATES			BOTTOM COVERPLATES		
			Description	volume (cu ft)	weight (lbs)	Description	volume (cu ft)	weight (lbs)	Description	volume (cu ft)	weight (lbs)
SP-A1-1	W16x77	W18x40	(2) PL1/2" x 21" x 2'-9 3/8"	0.4056	198.7	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A1-1	W16x77	W18x40	(2) PL1/2" x 21" x 2'-9 3/8"	0.4056	198.7	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A1-1	W16x77	W18x40	(2) PL1/2" x 21" x 2'-9 3/8"	0.4056	198.7	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A1-1	W16x77	W18x40	(2) PL1/2" x 21" x 2'-9 3/8"	0.4056	198.7	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A1-1	W16x77	W18x40	(2) PL1/2" x 21" x 2'-9 3/8"	0.4056	198.7	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A1-1	W16x77	W18x40	(2) PL1/2" x 21" x 2'-9 3/8"	0.4056	198.7	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-1	W16x77	W21x44	(2) PL1/2" x 24" x 2'-9 3/8"	0.4635	227.1	(1) PL1/2" x 10-5/16" x 1'-9 "	0.0626	30.7	(1) PL1/2" x 13 1/16" x 1'-9 "	0.0793	38.9
SP-A2-2	W18x76	W21x44	(2) PL1/2" x 24" x 2'-11 1/16"	0.4872	238.7	(1) PL1/2" x 11" x 1'-9 "	0.0668	32.8	(1) PL1/2" x 13 3/4" x 1'-9 "	0.0836	40.9
SP-A2-2	W18x76	W21x44	(2) PL1/2" x 24" x 2'-11 1/16"	0.4872	238.7	(1) PL1/2" x 11" x 1'-9 "	0.0668	32.8	(1) PL1/2" x 13 3/4" x 1'-9 "	0.0836	40.9
SP-A2-2	W18x76	W21x44	(2) PL1/2" x 24" x 2'-11 1/16"	0.4872	238.7	(1) PL1/2" x 11" x 1'-9 "	0.0668	32.8	(1) PL1/2" x 13 3/4" x 1'-9 "	0.0836	40.9
SP-A2-2	W18x76	W21x44	(2) PL1/2" x 24" x 2'-11 1/16"	0.4872	238.7	(1) PL1/2" x 11" x 1'-9 "	0.0668	32.8	(1) PL1/2" x 13 3/4" x 1'-9 "	0.0836	40.9
SP-A3-1	W16x77	W24x55	(2) PL1/2" x 27" x 2'-11 3/8"	0.5527	270.8	(1) PL1/2" x 10-5/16" x 1'-11 "	0.0685	33.6	(1) PL1/2" x 13 1/16" x 1'-11 "	0.0868	42.6
SP-A3-1	W16x77	W24x55	(2) PL1/2" x 27" x 2'-11 3/8"	0.5527	270.8	(1) PL1/2" x 10-5/16" x 1'-11 "	0.0685	33.6	(1) PL1/2" x 13 1/16" x 1'-11 "	0.0868	42.6
SP-A3-2	W18x119	W24x55	(2) PL1/2" x 27" x 3'-1 7/8"	0.5918	290.0	(1) PL1/2" x 11-5/16" x 1'-11 "	0.0752	36.8	(1) PL1/2" x 14 1/16" x 1'-11 "	0.0935	45.8
SP-A3-2	W18x119	W24x55	(2) PL1/2" x 27" x 3'-1 7/8"	0.5918	290.0	(1) PL1/2" x 11-5/16" x 1'-11 "	0.0752	36.8	(1) PL1/2" x 14 1/16" x 1'-11 "	0.0935	45.8
SP-A3-3	W18x86	W24x55	(2) PL1/2" x 27" x 3'-1 1/4"	0.5824	285.4	(1) PL1/2" x 11-1/8" x 1'-11 "	0.0739	36.2	(1) PL1/2" x 13 7/8" x 1'-11 "	0.0922	45.2
SP-A3-3	W18x86	W24x55	(2) PL1/2" x 27" x 3'-1 1/4"	0.5824	285.4	(1) PL1/2" x 11-1/8" x 1'-11 "	0.0739	36.2	(1) PL1/2" x 13 7/8" x 1'-11 "	0.0922	45.2
SP-A3-4	W18x106	W24x55	(2) PL1/2" x 27" x 3'-1 9/16"	0.5871	287.7	(1) PL1/2" x 11-3/16" x 1'-11 "	0.0745	36.5	(1) PL1/2" x 13 15/16" x 1'-11 "	0.0928	45.5
SP-A3-4	W18x106	W24x55	(2) PL1/2" x 27" x 3'-1 9/16"	0.5871	287.7	(1) PL1/2" x 11-3/16" x 1'-11 "	0.0745	36.5	(1) PL1/2" x 13 15/16" x 1'-11 "	0.0928	45.5
SP-A4-1	W18x119	W24x62	(2) PL5/8" x 27" x 3'-1 7/8"	0.7397	362.5	(1) PL1/2" x 11-5/16" x 1'-11 "	0.0752	36.8	(1) PL1/2" x 14 9/16" x 1'-11 "	0.0968	47.4
SP-A4-1	W18x119	W24x62	(2) PL5/8" x 27" x 3'-1 7/8"	0.7397	362.5	(1) PL1/2" x 11-5/16" x 1'-11 "	0.0752	36.8	(1) PL1/2" x 14 9/16" x 1'-11 "	0.0968	47.4
SP-A4-2	W18x86	W24x62	(2) PL5/8" x 27" x 3'-1 1/4"	0.7280	356.7	(1) PL1/2" x 11-1/8" x 1'-11 "	0.0739	36.2	(1) PL1/2" x 14 3/8" x 1'-11 "	0.0955	46.8
SP-A4-2	W18x86	W24x62	(2) PL5/8" x 27" x 3'-1 1/4"	0.7280	356.7	(1) PL1/2" x 11-1/8" x 1'-11 "	0.0739	36.2	(1) PL1/2" x 14 3/8" x 1'-11 "	0.0955	46.8
SP-A4-3	W18x106	W24x62	(2) PL5/8" x 27" x 3'-1 9/16"	0.7339	359.6	(1) PL1/2" x 11-3/16" x 1'-11 "	0.0745	36.5	(1) PL1/2" x 14 7/16" x 1'-11 "	0.0962	47.1
SP-A4-3	W18x106	W24x62	(2) PL5/8" x 27" x 3'-1 9/16"	0.7339	359.6	(1) PL1/2" x 11-3/16" x 1'-11 "	0.0745	36.5	(1) PL1/2" x 14 7/16" x 1'-11 "	0.0962	47.1
SP-A5-1	HSS8x8x5/16	W10x22	(2) PL1/2" x 13" x 1'-6 3/4"	0.1411	69.1	(1) PL1/2" x 8" x 1'-3 "	0.0347	17.0	(1) PL1/2" x 10 5/8" x 1'-3 "	0.0461	22.6
SP-A5-1	HSS8x8x5/16	W10x22	(2) PL1/2" x 13" x 1'-6 3/4"	0.1411	69.1	(1) PL1/2" x 8" x 1'-3 "	0.0347	17.0	(1) PL1/2" x 10 5/8" x 1'-3 "	0.0461	22.6
SP-A5-1	HSS8x8x5/16	W10x22	(2) PL1/2" x 13" x 1'-6 3/4"	0.1411	69.1	(1) PL1/2" x 8" x 1'-3 "	0.0347	17.0	(1) PL1/2" x 10 5/8" x 1'-3 "	0.0461	22.6
SP-A5-1	HSS8x8x5/16	W10x22	(2) PL1/2" x 13" x 1'-6 3/4"	0.1411	69.1	(1) PL1/2" x 8" x 1'-3 "	0.0347	17.0	(1) PL1/2" x 10 5/8" x 1'-3 "	0.0461	22.6
SP-A6-1	HSS10x10x1/2	W12x40	(2) PL1/2" x 15" x 1'-10 3/4"	0.1975	96.8	(1) PL1/2" x 10" x 1'-5 "	0.0492	24.1	(1) PL1/2" x 12 5/8" x 1'-5 "	0.0621	30.4
SP-A6-1	HSS10x10x1/2	W12x40	(2) PL1/2" x 15" x 1'-10 3/4"	0.1975	96.8	(1) PL1/2" x 10" x 1'-5 "	0.0492	24.1	(1) PL1/2" x 12 5/8" x 1'-5 "	0.0621	30.4
SP-A6-1	HSS10x10x1/2	W12x40	(2) PL1/2" x 15" x 1'-10 3/4"	0.1975	96.8	(1) PL1/2" x 10" x 1'-5 "	0.0492	24.1	(1) PL1/2" x 12 5/8" x 1'-5 "	0.0621	30.4
SP-A6-1	HSS10x10x1/2	W12x40	(2) PL1/2" x 15" x 1'-10 3/4"	0.1975	96.8	(1) PL1/2" x 10" x 1'-5 "	0.0492	24.1	(1) PL1/2" x 12 5/8" x 1'-5 "	0.0621	30.4
SP-A6-2	HSS8x8x5/16	W12x26	(2) PL1/2" x 15" x 1'-8 3/4"	0.1801	88.3	(1) PL1/2" x 8" x 1'-5 "	0.0394	19.3	(1) PL1/2" x 10 5/8" x 1'-5 "	0.0523	25.6
SP-A6-2	HSS8x8x5/16	W12x26	(2) PL1/2" x 15" x 1'-8 3/4"	0.1801	88.3	(1) PL1/2" x 8" x 1'-5 "	0.0394	19.3	(1) PL1/2" x 10 5/8" x 1'-5 "	0.0523	25.6
SP-A7-1	HSS10x10x1/2	W14x43	(2) PL1/2" x 15" x 2'-0 3/4"	0.2148	105.3	(1) PL1/2" x 10" x 1'-7 "	0.0550	26.9	(1) PL1/2" x 12 5/8" x 1'-7 "	0.0694	34.0
SP-A7-1	HSS10x10x1/2	W14x43	(2) PL1/2" x 15" x 2'-0 3/4"	0.2148	105.3	(1) PL1/2" x 10" x 1'-7 "	0.0550	26.9	(1) PL1/2" x 12 5/8" x 1'-7 "	0.0694	34.0
SP-A7-1	HSS10x10x1/2	W14x43	(2) PL1/2" x 15" x 2'-0 3/4"	0.2148	105.3	(1) PL1/2" x 10" x 1'-7 "	0.0550	26.9	(1) PL1/2" x 12 5/8" x 1'-7 "	0.0694	34.0
SP-A7-1	HSS10x10x1/2	W14x43	(2) PL1/2" x 15" x 2'-0 3/4"	0.2148	105.3	(1) PL1/2" x 10" x 1'-7 "	0.0550	26.9	(1) PL1/2" x 12 5/8" x 1'-7 "	0.0694	34.0
SP-B1-1	W18x76	W18x40	(2) PL1/2" x 21" x 4'-2 3/16"	0.6101	298.9	(2) PL1/2" x 11" x 1'-9 "	0.1337	65.5	(2) PL1/2" x 13 3/4" x 1'-9 "	0.1671	81.9
SP-B1-2	W18x86	W18x40	(2) PL1/2" x 21" x 4'-2 3/8"	0.6125	300.1	(2) PL1/2" x 11-1/8" x 1'-9 "	0.1349	66.1	(2) PL1/2" x 13 7/8" x 1'-9 "	0.1683	82.5
SP-B1-2	W18x86	W18x40	(2) PL1/2" x 21" x 4'-2 3/8"	0.6125	300.1	(2) PL1/2" x 11-1/8" x 1'-9 "	0.1349	66.1	(2) PL1/2" x 13 7/8" x 1'-9 "	0.1683	82.5
SP-B2-1	W18x86	W21x44	(2) PL1/2" x 24" x 4'-2 3/8"	0.7000	343.0	(2) PL1/2" x 11-1/8" x 1'-9 "	0.1349	66.1	(2) PL1/2" x 13 7/8" x 1'-9 "	0.1683	82.5
SP-B2-1	W18x86	W21x44	(2) PL1/2" x 24" x 4'-2 3/8"	0.7000	343.0	(2) PL1/2" x 11-1/8" x 1'-9 "	0.1349	66.1	(2) PL1/2" x 13 7/8" x 1'-9 "	0.1683	82.5
SP-B2-2	W18x76	W21x44	(2) PL1/2" x 24" x 4'-2 3/16"	0.6972	341.6	(2) PL1/2" x 11" x 1'-9 "	0.1337	65.5	(2) PL1/2" x 13 3/4" x 1'-9 "	0.1671	81.9
SP-B2-2	W18x76	W21x44	(2) PL1/2" x 24" x 4'-2 3/16"	0.6972	341.6	(2) PL1/2" x 11" x 1'-9 "	0.1337	65.5	(2) PL1/2" x 13 3/4" x 1'-9 "	0.1671	81.9
SP-B2-3	W18x106	W21x44	(2) PL1/2" x 24" x 4'-2 11/16"	0.7042	345.0	(2) PL1/2" x 11-3/16" x 1'-9 "	0.1361	66.7	(2) PL1/2" x 13 15/16" x 1'-9 "	0.1695	83.1
SP-B2-3	W18x106	W21x44	(2) PL1/2" x 24" x 4'-2 11/16"	0.7042	345.0	(2) PL1/2" x 11-3/16" x 1'-9 "	0.1361	66.7	(2) PL1/2" x 13 15/16" x 1'-9 "	0.1695	83.1
SP-B3-1	W18x76	W24x55	(2) PL1/2" x 27" x 4'-6 3/16"	0.8469	415.0	(2) PL1/2" x 11" x 1'-11 "	0.1464	71.7	(2) PL1/2" x 13 3/4" x 1'-11 "	0.1830	89.7
SP-B3-2	W18x119	W24x55	(2) PL1/2" x 27" x 4'-7 "	0.8594	421.1	(2) PL1/2" x 11-5/16" x 1'-11 "	0.1504	73.7	(2) PL1/2" x 14 1/16" x 1'-11 "	0.1870	91.6
SP-B3-2	W18x119	W24x55	(2) PL1/2" x 27" x 4'-7 "	0.8594	421.1	(2) PL1/2" x 11-5/16" x 1'-11 "	0.1504	73.7	(2) PL1/2" x 14 1/16" x 1'-11 "	0.1870	91.6
SP-B4-1	W18x119	W24x62	(2) PL5/8" x 27" x 4'-7 "	1.0742	526.4	(2) PL1/2" x 11-5/16" x 1'-11 "	0.1504	73.7	(2) PL1/2" x 14 9/16" x 1'-11 "	0.1937	94.9
SP-B4-1	W18x119	W24x62	(2) PL5/8" x 27" x 4'-7 "	1.0742	526.4	(2) PL1/2" x 11-5/16" x 1'-11 "	0.1504	73.7	(2) PL1/2" x 14 9/16" x 1'-11 "	0.1937	94.9
SP-B6-1	HSS8x8x5/16	W12x26	(2) PL1/2" x 15" x 2'-8 "	0.2778	136.1	(2) PL1/2" x 8" x 1'-5 "	0.0787	38.6	(2) PL1/2" x 10 5/8" x 1'-5 "	0.1045	51.2
				30.7255	**15055.5**		**4.8490**	**2376.0**		**6.1297**	**3003.6**

MARK	STIFFENERS			WELD 1 (SHOP) STIFFNER/TUBE TO SIDEPLATE			WELD 2 (SHOP) SIDEPLATE TO COLUMN			WELD 3 WEB (SHOP) STIFFNER TO COLUMN WEB			WELD 3 FLANGE (SHOP) STIFFNER TO COLUMN FLANGE		
	Description	volume (cu ft)	weight (lbs)	Description	volume (cu in)	weight (lbs)	Description	volume (cu in)	weight (lbs)	Description	volume (cu in)	weight (lbs)	Description	volume (cu in)	weight (lbs)
SP-A1-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A1-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A1-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A1-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A1-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A1-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A2-2	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-A2-2	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-A2-2	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-A2-2	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-A3-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A3-1	(4) PL3/8" x 6 1/4" x 1'-2 15/16"	0.0811	39.7	(4) 5/16" x 14.23"	2.788	0.791	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 12.5"	2.45	0.69	-	-	-
SP-A3-2	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0972	47.6	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-A3-2	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0972	47.6	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-A3-3	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0969	47.5	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-A3-3	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0969	47.5	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-A3-4	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0966	47.3	(4) 5/16" x 16.07"	3.149	0.893	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.074"	2.76	0.78	-	-	-
SP-A3-4	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0966	47.3	(4) 5/16" x 16.07"	3.149	0.893	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.074"	2.76	0.78	-	-	-
SP-A4-1	(4) PL3/8" x 6 3/4" x 1'-4 7/8"	0.0991	48.5	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-A4-1	(4) PL3/8" x 6 3/4" x 1'-4 7/8"	0.0991	48.5	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-A4-2	(4) PL3/8" x 6 3/4" x 1'-4 7/8"	0.0988	48.4	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-A4-2	(4) PL3/8" x 6 3/4" x 1'-4 7/8"	0.0988	48.4	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-A4-3	(4) PL3/8" x 6 3/4" x 1'-4 13/16"	0.0985	48.2	(4) 5/16" x 16.07"	3.149	0.893	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.074"	2.76	0.78	-	-	-
SP-A4-3	(4) PL3/8" x 6 3/4" x 1'-4 13/16"	0.0985	48.2	(4) 5/16" x 16.07"	3.149	0.893	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.074"	2.76	0.78	-	-	-
SP-A5-1	-	-	-	(4) 5/16" x 6.086"	1.192	0.338	(4) 1/4" x 13"	1.63	0.46	-	-	-	-	-	-
SP-A5-1	-	-	-	(4) 5/16" x 6.086"	1.192	0.338	(4) 1/4" x 13"	1.63	0.46	-	-	-	-	-	-
SP-A5-1	-	-	-	(4) 5/16" x 6.086"	1.192	0.338	(4) 1/4" x 13"	1.63	0.46	-	-	-	-	-	-
SP-A5-1	-	-	-	(4) 5/16" x 6.086"	1.192	0.338	(4) 1/4" x 13"	1.63	0.46	-	-	-	-	-	-
SP-A6-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A6-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A6-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A6-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A6-2	-	-	-	(4) 5/16" x 6.086"	1.192	0.338	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A6-2	-	-	-	(4) 5/16" x 6.086"	1.192	0.338	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A7-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A7-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A7-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-A7-1	-	-	-	(4) 5/16" x 7.426"	1.455	0.413	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
SP-B1-1	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-B1-2	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0969	47.5	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-B1-2	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0969	47.5	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 21"	5.91	1.67	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-B2-1	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0969	47.5	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-B2-1	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0969	47.5	(4) 5/16" x 16.11"	3.157	0.895	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.4"	2.82	0.80	-	-	-
SP-B2-2	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-B2-2	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-B2-3	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0966	47.3	(4) 5/16" x 16.07"	3.149	0.893	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.074"	2.76	0.78	-	-	-
SP-B2-3	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0966	47.3	(4) 5/16" x 16.07"	3.149	0.893	(4) 3/8" x 24"	6.75	1.91	(4) 5/16" x 14.074"	2.76	0.78	-	-	-
SP-B3-1	(4) PL3/8" x 6 5/8" x 1'-4 13/16"	0.0965	47.3	(4) 5/16" x 16.09"	3.153	0.894	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.324"	2.81	0.80	-	-	-
SP-B3-2	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0972	47.6	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-B3-2	(4) PL3/8" x 6 5/8" x 1'-4 7/8"	0.0972	47.6	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-B4-1	(4) PL3/8" x 6 3/4" x 1'-4 7/8"	0.0991	48.5	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-B4-1	(4) PL3/8" x 6 3/4" x 1'-4 7/8"	0.0991	48.5	(4) 5/16" x 16.13"	3.160	0.896	(4) 3/8" x 27"	7.59	2.15	(4) 5/16" x 14.374"	2.82	0.80	-	-	-
SP-B6-1	-	-	-	(4) 5/16" x 6.086"	1.192	0.338	(4) 1/4" x 15"	1.88	0.53	-	-	-	-	-	-
		4.2169	**2066.3**		**159.249**	**45.157**		**346.06**	**98.13**		**123.29**	**34.96**		**0**	**0**

MARK	WELD 4 (SHOP) SHEAR TAB TO BEAM WEB			WELD 5 (SHOP) COVERPLATE TO BEAM FLANGE			WELD 5a (SHOP) COVERPLATE U-CUTOUT TO BEAM FLANGE			WELD 6 (FIELD) SHEAR TAB TO SIDEPLATE			WELD 7 (FIELD) COVERPLATE TO SIDEPLATE		
	Description	volume (cu in)	weight (lbs)	Description	volume (cu in)	weight (lbs)	Description	volume (cu in)	weight (lbs)	Description	volume (cu in)	weight (lbs)	Description	volume (cu in)	weight (lbs)
SP-A1-1	(4) 5/16" x 16.15"	3.16	0.90	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A1-1	(4) 5/16" x 16.15"	3.16	0.90	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A1-1	(4) 5/16" x 16.15"	3.16	0.90	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A1-1	(4) 5/16" x 16.15"	3.16	0.90	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A1-1	(4) 5/16" x 16.15"	3.16	0.90	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A1-1	(4) 5/16" x 16.15"	3.16	0.90	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-1	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-2	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-2	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-2	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A2-2	(4) 5/16" x 18.95"	3.71	1.05	(4) 5/16" x 19.125"	3.75	1.06	-	-	-	-	-	-	(4) 3/8" x 14.25"	4.01	1.14
SP-A3-1	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A3-1	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A3-2	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A3-2	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A3-3	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A3-3	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A3-4	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A3-4	(4) 5/16" x 21.85"	4.28	1.21	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 3/8" x 16.25"	4.57	1.30
SP-A4-1	(4) 5/16" x 21.95"	4.30	1.22	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 1/2" x 15.75"	7.88	2.23
SP-A4-1	(4) 5/16" x 21.95"	4.30	1.22	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 1/2" x 15.75"	7.88	2.23
SP-A4-2	(4) 5/16" x 21.95"	4.30	1.22	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 1/2" x 15.75"	7.88	2.23
SP-A4-2	(4) 5/16" x 21.95"	4.30	1.22	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 1/2" x 15.75"	7.88	2.23
SP-A4-3	(4) 5/16" x 21.95"	4.30	1.22	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 1/2" x 15.75"	7.88	2.23
SP-A4-3	(4) 5/16" x 21.95"	4.30	1.22	(4) 5/16" x 21.125"	4.14	1.17	-	-	-	-	-	-	(4) 1/2" x 15.75"	7.88	2.23
SP-A5-1	(4) 5/16" x 8.45"	1.66	0.47	(4) 5/16" x 13.125"	2.57	0.73	-	-	-	-	-	-	(4) 5/16" x 8.25"	1.62	0.46
SP-A5-1	(4) 5/16" x 8.45"	1.66	0.47	(4) 5/16" x 13.125"	2.57	0.73	-	-	-	-	-	-	(4) 5/16" x 8.25"	1.62	0.46
SP-A5-1	(4) 5/16" x 8.45"	1.66	0.47	(4) 5/16" x 13.125"	2.57	0.73	-	-	-	-	-	-	(4) 5/16" x 8.25"	1.62	0.46
SP-A5-1	(4) 5/16" x 8.45"	1.66	0.47	(4) 5/16" x 13.125"	2.57	0.73	-	-	-	-	-	-	(4) 5/16" x 8.25"	1.62	0.46
SP-A6-1	(4) 5/16" x 10.15"	1.99	0.56	(4) 5/16" x 15.125"	2.96	0.84	-	-	-	-	-	-	(4) 5/16" x 10.25"	2.01	0.57
SP-A6-1	(4) 5/16" x 10.15"	1.99	0.56	(4) 5/16" x 15.125"	2.96	0.84	-	-	-	-	-	-	(4) 5/16" x 10.25"	2.01	0.57
SP-A6-1	(4) 5/16" x 10.15"	1.99	0.56	(4) 5/16" x 15.125"	2.96	0.84	-	-	-	-	-	-	(4) 5/16" x 10.25"	2.01	0.57
SP-A6-1	(4) 5/16" x 10.15"	1.99	0.56	(4) 5/16" x 15.125"	2.96	0.84	-	-	-	-	-	-	(4) 5/16" x 10.25"	2.01	0.57
SP-A6-2	(4) 5/16" x 10.45"	2.05	0.58	(4) 5/16" x 15.125"	2.96	0.84	-	-	-	-	-	-	(4) 5/16" x 10.25"	2.01	0.57
SP-A6-2	(4) 5/16" x 10.45"	2.05	0.58	(4) 5/16" x 15.125"	2.96	0.84	-	-	-	-	-	-	(4) 5/16" x 10.25"	2.01	0.57
SP-A7-1	(4) 5/16" x 11.95"	2.34	0.66	(4) 5/16" x 17.125"	3.36	0.95	-	-	-	-	-	-	(4) 5/16" x 12.25"	2.40	0.68
SP-A7-1	(4) 5/16" x 11.95"	2.34	0.66	(4) 5/16" x 17.125"	3.36	0.95	-	-	-	-	-	-	(4) 5/16" x 12.25"	2.40	0.68
SP-A7-1	(4) 5/16" x 11.95"	2.34	0.66	(4) 5/16" x 17.125"	3.36	0.95	-	-	-	-	-	-	(4) 5/16" x 12.25"	2.40	0.68
SP-A7-1	(4) 5/16" x 11.95"	2.34	0.66	(4) 5/16" x 17.125"	3.36	0.95	-	-	-	-	-	-	(4) 5/16" x 12.25"	2.40	0.68
SP-B1-1	(8) 5/16" x 16.15"	6.33	1.79	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B1-2	(8) 5/16" x 16.15"	6.33	1.79	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B1-2	(8) 5/16" x 16.15"	6.33	1.79	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B2-1	(8) 5/16" x 18.95"	7.43	2.11	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B2-1	(8) 5/16" x 18.95"	7.43	2.11	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B2-2	(8) 5/16" x 18.95"	7.43	2.11	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B2-2	(8) 5/16" x 18.95"	7.43	2.11	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B2-3	(8) 5/16" x 18.95"	7.43	2.11	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B2-3	(8) 5/16" x 18.95"	7.43	2.11	(8) 5/16" x 19.125"	7.49	2.13	-	-	-	-	-	-	(8) 3/8" x 14.25"	8.02	2.27
SP-B3-1	(8) 5/16" x 21.85"	8.56	2.43	(8) 5/16" x 21.125"	8.28	2.35	-	-	-	-	-	-	(8) 3/8" x 16.25"	9.14	2.59
SP-B3-2	(8) 5/16" x 21.85"	8.56	2.43	(8) 5/16" x 21.125"	8.28	2.35	-	-	-	-	-	-	(8) 3/8" x 16.25"	9.14	2.59
SP-B3-2	(8) 5/16" x 21.85"	8.56	2.43	(8) 5/16" x 21.125"	8.28	2.35	-	-	-	-	-	-	(8) 3/8" x 16.25"	9.14	2.59
SP-B4-1	(8) 5/16" x 21.95"	8.60	2.44	(8) 5/16" x 21.125"	8.28	2.35	-	-	-	-	-	-	(8) 1/2" x 15.75"	15.75	4.47
SP-B4-1	(8) 5/16" x 21.95"	8.60	2.44	(8) 5/16" x 21.125"	8.28	2.35	-	-	-	-	-	-	(8) 1/2" x 15.75"	15.75	4.47
SP-B6-1	(8) 5/16" x 10.45"	4.10	1.16	(8) 5/16" x 15.125"	5.93	1.68	-	-	-	-	-	-	(8) 5/16" x 10.25"	4.02	1.14
		262.17	**74.34**		**281.66**	**79.87**		**0**	**0**		**0**	**0**		**319.15**	**90.50**

TOTAL STEEL WEIGHT = 22501 lbs
TOTAL WELD WEIGHT = 422 lbs

NUMBER OF SIDEPLATES = 122
NUMBER OF TOP COVERPLATES = 76
NUMBER OF BOTTOM COVERPLATES = 76
NUMBER OF STIFFNERS = 184

NUMBER OF WELD1 = 244
NUMBER OF WELD2 = 244
NUMBER OF WELD3 web = 184
NUMBER OF WELD3 flange = 0
NUMBER OF WELD4 = 304
NUMBER OF WELD5 = 304
NUMBER OF WELD5a = 0
NUMBER OF WELD6 = 0
NUMBER OF WELD7 = 304