Joist Size (in)	MiTek Stock No.	Ref. No.	Web Stiff Reqd	Ga	Dimensions (in)					Min/ Max	Fastener Schedule[5]					Allowable Loads Header Type (Lbs.)[1,3]							Code Ref.
											Header			Joist		Download 100%						Uplift[2]	
					W	H	D	L	TF		Top Qty	Face Qty	Type	Qty	Type	LVL	PSL	LSL	SPF	DF I-Joist[4]	DF/SP	DF/SP 160%	
7 x 11-7/8	BPHA71118	--		12	7-1/8	11-13/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245	IBC, FL, LA
										Max				8					4165	--		1665	
	HBPH71118	HB7.12/11.88	x	10	7-1/8	11-7/8	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHM35118-2	--	x	7/10	7-1/8	11-7/8	2-1/2	10	3	--	2	--	16d	2	10d	3390	3390	3390	2580	--	3390	--	
	PHXU71118	HWP7.12 H=11.875	x	7	7-1/8	11-7/8	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH71118	--	x	7	7-1/8	11-7/8	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 14	BPHA7114	--		12	7-1/8	13-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245	
										Max				8					4165	--		1665	
	HBPH7114	HB7.12/14	x	10	7-1/8	14	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHM3514-2	--	x	7/10	7-1/8	14	2-1/2	10	3	--	2	--	16d	2	10d	3390	3390	3390	2580	--	3390	--	
	PHXU7114	HWP7.12 H=14	x	7	7-1/8	14	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7114	--	x	7	7-1/8	14	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 16	BPHA7116	--		12	7-1/8	15-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245	
										Max				8					4165	--		1665	
	HBPH7116	HB7.12/16	x	10	7-1/8	16	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHM3516-2	--	x	7/10	7-1/8	16	2-1/2	10	3	--	2	--	16d	2	10d	3390	3390	3390	2580	--	3390	--	
	PHXU7116	HWP7.12 H=16	x	7	7-1/8	16	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7116	--	x	7	7-1/8	16	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 18	BPHA7118	--		12	7-1/8	17-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245	
										Max				8					4165	--		1665	
	HBPH7118	HB7.12/18	x	10	7-1/8	18	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHM3518-2	--	x	7/10	7-1/8	18	2-1/2	10	3	--	2	--	16d	2	10d	3390	3390	3390	2580	--	3390	--	
	PHXU7118	HWP7.12 H=18, HWPH7.12 H=18	x	7	7-1/8	18	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7118	--	x	7	7-1/8	18	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 20	BPHA7120	--		12	7-1/8	19-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245	
										Max				8					4165	--		1665	
	HBPH7120	HB7.12/20	x	10	7-1/8	20	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHM3520-2	--	x	7/10	7-1/8	20	2-1/2	10	3	--	2	--	16d	2	10d	3390	3390	3390	2580	--	3390	--	
	PHXU7120	HWP7.12 H=20, HWPH7.12 H=20	x	7	7-1/8	20	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7120	--	x	7	7-1/8	20	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 22	BPHA7122	--		12	7-1/8	21-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245	
										Max				8					4165	--		1665	
	HBPH7122	HB7.12/22	x	10	7-1/8	22	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHXU7122	HWP7.12 H=22, HWPH7.12 H=22	x	7	7-1/8	22	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7122	HGLTV7.12/22	x	7	7-1/8	22	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 24	BPHA7124	--		12	7-1/8	23-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245	
										Max				8					4165	--		1665	
	HBPH7124	HB7.12/24	x	10	7-1/8	24	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHXU7124	HWP7.12 H=24, HWPH7.12 H=24	x	7	7-1/8	24	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7124	HGLTV7.12/24	x	7	7-1/8	24	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 26	HBPH7126	HB7.12/26	x	10	7-1/8	26	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHXU7126	HWP7.12 H=26, HWPH7.12 H=26	x	7	7-1/8	26	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7126	HGLTV426-2	x	7	7-1/8	26	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 28	HBPH7128	HB7.12/28	x	10	7-1/8	28	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4895	--	6185	2705	
	PHXU7128	HWP7.12 H=28, HWPH7.12 H=28	x	7	7-1/8	28	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7128	HGLTV428-2	x	7	7-1/8	28	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 30	PHXU7130	HWPH7.12 H=30	x	7	7-1/8	30	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7130	HGLTV430-2	x	7	7-1/8	30	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	
7 x 32	PHXU7132	--	x	7	7-1/8	32	3-1/4	13-1/8	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4525	--	5910	1120	
	HLBH7132	--	x	7	7-1/8	32	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7670	--	10045	1580	

1) When I-joist is used as a header, all header nails must be 10d (0.148") x 1-1/2.

2) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted

3) Some listed loads may be increased for short-term loading. Refer to MiTek code evaluation reports for details.

4) The reduction factors for I-Joist headers with 1-1/4" thick flanges is 0.69 and 0.84 for 1-3/8" flange.

5) **NAILS:** 10d nails are 0.148" dia. x 3" long, NA16D-RS nails are 0.148" x 3-1/2" long, 16d nails are 0.162" dia. x 3-1/2" long.

Vertical downward loads address hanger/header/fastener limitations only. Refer to the EWP manufacturer for joist limitations.