

Beam/ Joist Size	MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Fastener Schedule ²				DF/SP		
				W	H	L	Block		Joist		Allowable Loads (Lbs.) ¹		
							Qty	Type	Qty	Type	Floor	Roof	
											100%	115%	125%
Standard Lumber Sizes													
2 x 10	MPH210	WMU1.56/9.25	12	1-9/16	9-1/4	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
2 x 12	MPH212	WMU1.56/11.25	12	1-9/16	11-1/4	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
2 x 14	MPH214	WMU1.56/14	12	1-9/16	13-1/8	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
2 x 16	MPH216	WMU1.56/16	12	1-9/16	15-1/8	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
(2) 2 x 10	MPH210-2	WMU3.12/9.25	12	3-1/8	9-1/4	7	2	16d duplex	2	10d	4430	4430	4430
(2) 2 x 12	MPH212-2	WMU3.12/11.25	12	3-1/8	11-1/4	7	2	16d duplex	2	10d	4430	4430	4430
(2) 2 x 14	MPH214-2	WMU3.12/14	12	3-1/8	13-1/8	7	2	16d duplex	2	10d	4430	4430	4430
(2) 2 x 16	MPH216-2	WMU3.12/16	12	3-1/8	15-1/8	7	2	16d duplex	2	10d	4430	4430	4430
3 x 10	MPH310	WMU2.56/9.25	12	2-9/16	9-1/4	7	2	16d duplex	2	10d x 1-1/2	3295	3295	3295
3 x 12	MPH312	WMU2.56/11.25	12	2-9/16	11-1/4	7	2	16d duplex	2	10d x 1-1/2	3295	3295	3295
3 x 14	MPH314	WMU2.56/13.25	12	2-9/16	13-1/8	7	2	16d duplex	2	10d x 1-1/2	3295	3295	3295
3 x 16	MPH316	WMU2.56/15.25	12	2-9/16	15-1/8	7	2	16d duplex	2	10d x 1-1/2	3295	3295	3295
4 x 10	MPH410	WMU3.56/9.25	12	3-9/16	9-1/4	7	2	16d duplex	2	10d	4430	4430	4430
4 x 12	MPH412	WMU3.56/11.25	12	3-9/16	11-1/4	7	2	16d duplex	2	10d	4430	4430	4430
4 x 14	MPH414	WMU3.56/13.25	12	3-9/16	13-1/8	7	2	16d duplex	2	10d	4430	4430	4430
4 x 16	MPH416	WMU3.56/15.25	12	3-9/16	15-1/8	7	2	16d duplex	2	10d	4430	4430	4430
6 x 10	MPH610	WMU5.50/9.5	12	5-9/16	9-1/4	7	2	16d duplex	2	10d	4430	4430	4430
Engineered Lumber Sizes													
1-1/2 x 9-1/4	MPH210	WMU1.56/9.25	12	1-9/16	9-1/4	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
1-1/2 x 9-1/2	MPH1595	WMU1.56/9.5	12	1-9/16	9-1/2	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
1-1/2 x 11-1/4	MPH212	WMU1.56/11.25	12	1-9/16	11-1/4	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
1-1/2 x 11-7/8	MPH15118	WMU1.56/11.88	12	1-9/16	11-7/8	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
1-1/2 x 14	MPH1514	WMU1.56/14	12	1-9/16	14	7	2	16d duplex	2	10d x 1-1/2	2610	2650	2675
1-3/4 x 9-1/2	MPH1795	WMU1.81/9.5	12	1-13/16	9-1/2	7	2	16d duplex	2	10d x 1-1/2	3000	3040	3065
1-3/4 x 11-7/8	MPH17118	WMU1.81/11.88	12	1-13/16	11-7/8	7	2	16d duplex	2	10d x 1-1/2	3000	3040	3065
1-3/4 x 14	MPH1714	WMU1.81/14	12	1-13/16	14	7	2	16d duplex	2	10d x 1-1/2	3000	3040	3065
1-3/4 x 16	MPH1716	WMU1.81/16	12	1-13/16	16	7	2	16d duplex	2	10d x 1-1/2	3000	3040	3065
2-5/16 x 9-1/2	MPH2395	WMU2.37/9.5	12	2-3/8	9-1/2	7	2	16d duplex	2	10d x 1-1/2	3880	3920	3945
2-5/16 x 11-7/8	MPH23118	WMU2.37/11.88	12	2-3/8	11-7/8	7	2	16d duplex	2	10d x 1-1/2	3880	3920	3945
2-5/16 x 14	MPH2314	WMU2.37/14	12	2-3/8	14	7	2	16d duplex	2	10d x 1-1/2	3880	3920	3945
2-5/16 x 16	MPH2316	WMU2.37/16	12	2-3/8	16	7	2	16d duplex	2	10d x 1-1/2	3880	3920	3945
2-5/16 x 18	MPH2318	WMU2.37/18	12	2-3/8	18	7	2	16d duplex	2	10d x 1-1/2	3880	3920	3945
2-5/16 x 20	MPH2320	WMU2.37/20	12	2-3/8	20	7	2	16d duplex	2	10d x 1-1/2	3880	3920	3945
2-1/2 x 9-1/4	MPH25925	WMU2.56/9.25	12	2-1/2	9-1/4	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 9-1/2	MPH2595	WMU2.56/9.5	12	2-1/2	9-1/2	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 11-1/4	MPH25112	WMU2.56/11.25	12	2-1/2	11-1/4	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 11-7/8	MPH25118	WMU2.56/11.88	12	2-1/2	11-7/8	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 14	MPH2514	WMU2.56/14	12	2-1/2	14	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 16	MPH2516	WMU2.56/16	12	2-1/2	16	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 18	MPH2518	WMU2.56/18	12	2-1/2	18	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 20	MPH2520	WMU2.56/20	12	2-1/2	20	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 22	MPH2522	WMU2.56/22	12	2-1/2	22	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 24	MPH2524	WMU2.56/24	12	2-1/2	24	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
2-1/2 x 26	MPH2526	WMU2.56/26	12	2-1/2	26	7	2	16d duplex	2	10d x 1-1/2	4170	4210	4240
3 x 9-1/4	MPH210-2	WMU3.12/9.25	12	3-1/8	9-1/4	7	2	16d duplex	2	10d	4430	4430	4430
3 x 9-1/2	MPH1595-2	WMU3.12/9.5	12	3-1/8	9-1/2	7	2	16d duplex	2	10d	4430	4430	4430
3 x 11-1/4	MPH15112-2	WMU3.12/11.25	12	3-1/8	11-1/4	7	2	16d duplex	2	10d	4430	4430	4430
3 x 11-7/8	MPH15118-2	WMU3.12/11.88	12	3-1/8	11-7/8	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 12	MPH3512	WMU3.62/12	12	3-1/2	12	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 14	MPH3514	WMU3.62/14	12	3-1/2	14	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 16	MPH3516	WMU3.62/16	12	3-1/2	16	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 18	MPH3518	WMU3.62/18	12	3-1/2	18	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 20	MPH3520	WMU3.62/20	12	3-1/2	20	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 9-1/4	MPH410	WMU3.56/9.25	12	3-9/16	9-1/4	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 11-1/4	MPH412	WMU3.56/11.25	12	3-9/16	11-1/4	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 9-1/2	MPH1795-2	WMU3.56/9.5	12	3-5/8	9-1/2	7	2	16d duplex	2	10d	4430	4430	4430
3-1/2 x 11-7/8	MPH17118-2	WMU3.56/11.88	12	3-5/8	11-7/8	7	2	16d duplex	2	10d	4430	4430	4430
4-5/8 x 11-7/8	MPH23118-2	WMU4.75/11.88	12	4-5/8	11-7/8	7	2	16d duplex	2	10d	4430	4430	4430
4-5/8 x 14	MPH2314-2	WMU4.75/14	12	4-5/8	14	7	2	16d duplex	2	10d	4430	4430	4430
4-5/8 x 16	MPH2316-2	WMU4.75/16	12	4-5/8	16	7	2	16d duplex	2	10d	4430	4430	4430
4-5/8 x 18	MPH2318-2	WMU4.75/18	12	4-5/8	18	7	2	16d duplex	2	10d	4430	4430	4430
4-5/8 x 20	MPH2320-2	WMU4.75/20	12	4-5/8	20	7	2	16d duplex	2	10d	4430	4430	4430
5-1/4 x 9-1/2	MPH5595	WMU5.50/9.5	12	5-5/8	9-1/2	7	2	16d duplex	2	10d	4430	4430	4430
5-1/4 x 11-7/8	MPH55118	WMU5.50/11.88	12	5-5/8	11-7/8	7	2	16d duplex	2	10d	4430	4430	4430
7 x 9-1/2	MPH3595-2	WMU7.12/9.5	12	7-1/8	9-1/2	8	2	16d duplex	2	10d	4490	4490	4490
7 x 11-1/4	MPH35112-2	WMU7.12/11.25	12	7-1/8	11-1/4	8	2	16d duplex	2	10d	4490	4490	4490
7 x 11-7/8	MPH35118-2	WMU7.12/11.88	12	7-1/8	11-7/8	8	2	16d duplex	2	10d	4490	4490	4490
7 x 14	MPH3514-2	WMU7.12/14	12	7-1/8	14	8	2	16d duplex	2	10d	4490	4490	4490
7 x 16	MPH3516-2	WMU7.12/16	12	7-1/8	16	8	2	16d duplex	2	10d	4490	4490	4490
7 x 18	MPH3518-2	WMU7.12/18	12	7-1/8	18	8	2	16d duplex	2	10d	4490	4490	4490
Glulam Sizes													
3-1/8 x glulam	MPH325	WMU3.25X	12	3-1/4	specify	7	2	16d duplex	2	10d	4430	4430	4430
5-1/8 x glulam	MPH525	WMU5.25X	12	5-1/4	specify	7	2	16d duplex	2	10d	4430	4430	4430

1) Masonry compressive strength shall be minimum 1,500 psi.

2) **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, 16d duplex nails are 0.162" dia. x 3-1/2" long, double headed nails and shall be installed in grouted cells in accordance to manufacturer's installation specifications.