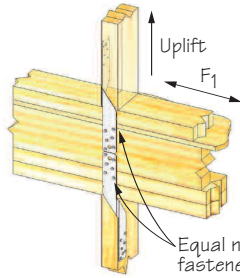
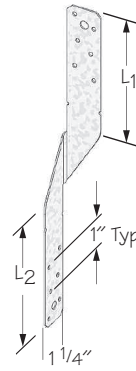


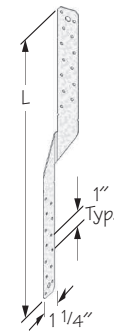
**Typical LTW12 / MTW12  
Truss-to-top plate  
installation**



**Typical LTW12 / MTW12  
Stud-to-rim joist  
installation**



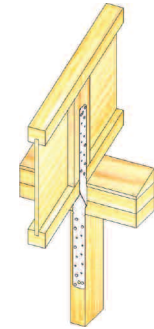
**LTW12/MTW12**



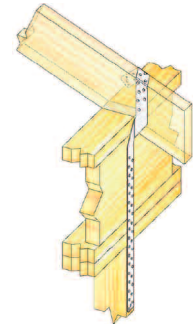
**LTW18/MTW18  
other models similar**

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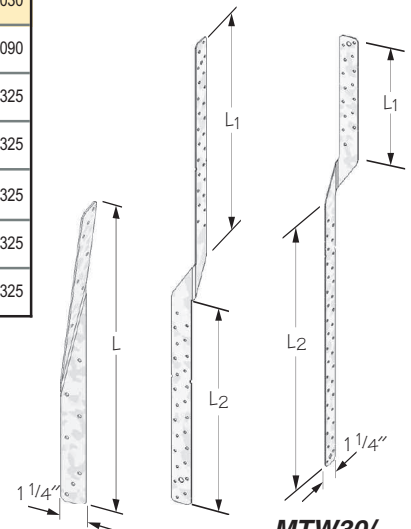
USP Stock No. 7	Ref. No.	Steel Gauge	Dimensions				Fastener Schedule 2,3,4,5,6	Allowable Loads (Lbs.) 1							
			W	L	L1	L2		DF-L / SP				S-P-F			
								F1 8		Uplift		F1 8		Uplift	
133%	160%	133%	160%	133%	160%	133%	160%	133%	160%	133%	160%	133%	160%		
LTW12	LTS12	18	1-1/4	12	4-1/2	4-1/2	(12) 10d (12) 10d x 1-1/2	65	65	775	775	65	65	670	670
LTW16	LTS16	18	1-1/4	16	6-1/2	6-1/2	(12) 10d (12) 10d x 1-1/2	65	65	775	775	65	65	670	670
LTW18	LTS18	18	1-1/4	18	7-1/2	7-1/2	(12) 10d (12) 10d x 1-1/2	65	65	775	775	65	65	670	670
LTW20	LTS20	18	1-1/4	20	8-1/2	8-1/2	(12) 10d (12) 10d x 1-1/2	65	65	775	775	65	65	670	670
KTS9	TS9	16	1-1/4	9	---	---	(8) 16d	---	---	735	785	---	---	630	675
KTS12	TS12	16	1-1/4	11-1/2	---	---	(10) 16d	---	---	920	1065	---	---	790	915
MTW12	MTS12	16	1-1/4	12	4-1/2	4-1/2	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
MTW16	MTS16	16	1-1/4	16	6-1/2	6-1/2	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
KTS17	TS18	16	1-1/4	17-1/2	---	---	(14) 16d	---	---	1100	1100	---	---	945	945
MTW18	MTS18	16	1-1/4	18	7-1/2	7-1/2	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
LFTA6	H6	16	2-1/4	19-1/8	8-3/8	6-1/2	(16) 8d (16) 8d x 1-1/2	700	700	1015	1210	605	605	865	1035
MTW20	MTS20	16	1-1/4	20	8-1/2	8-1/2	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
KTS24	TS22	16	1-1/4	21-3/4	---	---	(18) 16d	---	---	1270	1270	---	---	1270	1270
MTW24C	MTS24C	16	1-1/4	24	10-7/16	10-7/16	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
MTW28C	MTS28C	16	1-1/4	28	12-7/16	12-7/16	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
MTW30	MTS30	16	1-1/4	30	8-5/16	18-9/16	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
MTW30C	MTS30C	16	1-1/4	30	13-7/16	13-7/16	(14) 10d (14) 10d x 1-1/2	95	95	1085	1195	95	95	935	1030
HTW16	HTS16	14	1-1/4	16	5-1/8	5-1/8	(16) 10d (16) 10d x 1-1/2	95	95	1260	1260	95	95	1090	1090
HTW20	HTS20	14	1-1/4	20	7-1/8	7-1/8	(20) 10d (24) 10d x 1-1/2	95	95	1530	1530	95	95	1325	1325
HTW24	HTS24	14	1-1/4	24	9-1/8	9-1/8	(20) 10d (24) 10d x 1-1/2	95	95	1530	1530	95	95	1325	1325
HTW28	HTS28	14	1-1/4	28	11-1/8	11-1/8	(20) 10d (24) 10d x 1-1/2	95	95	1530	1530	95	95	1325	1325
HTW30	HTS30	14	1-1/4	30	7	17-1/4	(20) 10d (24) 10d x 1-1/2	95	95	1530	1530	95	95	1325	1325
HTW30C	HTS30C	14	1-1/4	30	12-1/8	12-1/8	(20) 10d (24) 10d x 1-1/2	95	95	1530	1530	95	95	1325	1325



**Typical MTW20  
I-Joint Rafter installation**



**Typical MTW30  
installation**



**KTS17 MTW30C HTW30**

- 1) Allowable loads have been increased 33-1/3% or 60% for wind or seismic loads; no further increase shall be permitted.
- 2) Minimum nail embedment shall be 1-5/16" for 8d nails, 1-1/2" for 10d nails, and 1-5/8" for 16d nails.
- 3) 16d sinker nails may be substituted for 10d common nails with no reduction in load.
- 4) For 1-1/2" lumber, use 0.84 of table load for 10d nails and 0.77 for 16d nails.
- 5) 10d x 1-1/2 nails are 9 gauge (0.148" diameter) by 1-1/2" long.  
8d x 1-1/2 nails are 11 gauge (0.131" diameter) by 1-1/2" long.
- 6) Fasteners shall be distributed equally on each end of the connection.
- 7) C after the model number designates center twist as in MTW30C.
- 8) To achieve F1 lateral loads, three nails must be installed on each side on the strap located closest the bend line.

**Angles & Straps**