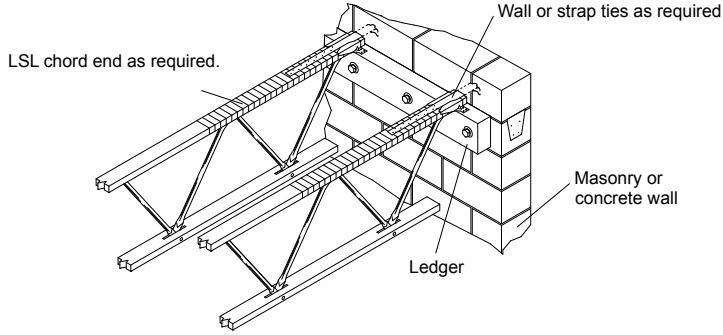


Wall Ties & Strap Ties



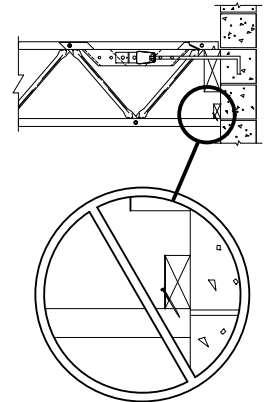
Connections made to 1/2" thick LSL may be used for out-of-plane wall anchorage to flexible diaphragms in lieu of the minimum 2" wood-element thickness specified in item 5 of Section 1633.2.8.1 of the UBC.

See page 13, detail 3, for more information

Wall Ties

Simpson Strap	Required Nails	Nail Size	Allowable Load (lbs) at 133%		Allowable Load (lbs) at 160%	
			Masonry	Concrete	Masonry	Concrete
MPAI32	16	0.148"X 1/2"	1,960	1,960	2,355	2,355
MPAI44	24	0.148"X 1/2"	2,865	2,865	2,865	2,865
LTTI31	18	0.148"X 1/2"	2,185	2,185	2,310	2,310
PAI18 (1)	7	0.148"X 1/2"	875	875	1,055	1,055
PAI23 (1)	12	0.148"X 1/2"	1,505	1,505	1,805	1,805
PAI28 (1)	18	0.148"X 1/2"	2,255	2,255	2,705	2,705
PAI35 (1)	23	0.148"X 1/2"	2,815	2,875	2,815	3,460

(1) LSL chord and or cap plate required for strap nailing.



DO NOT attach bottom chord to wall when using a top chord bearing truss

Strap Ties

Simpson Strap	Required Nails	Nail Size	Allowable Load (lbs) at 133%	Allowable Load (lbs) at 160%
MST37 (1)(2)	42	0.162"X 2 1/2"	4,395	5,080
MST48 (1)(2)	46	0.162"X 2 1/2"	4,845	5,310
MSTI48 (2)	48	0.162"X 2 1/2"	4,350	5,080
MSTI60 (2)	60	0.162"X 2 1/2"	5,080	5,080
MSTI72 (2)	64	0.162"X 2 1/2"	5,080	5,080
LSTI49	32	0.162"X 2 1/2"	2,580	3,100
LSTI73	48	0.162"X 2 1/2"	3,870	4,215
LSTA6 (2)(3)	24	0.162"X 2 1/2"	1,640	1,640
MSTA (2)(3)	26	0.162"X 2 1/2"	2,050	2,050

(1) Not suitable for RED-S trusses.

(2) LSL chord end or cap plate required for strap nailing.

(3) Per NDS 2001, no reduction has been considered for 10d2 nails in lieu of specified 10dx3" nails.