

GABLE END TO WALL FRAMING

TS These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.
SS These products are also available in stainless steel for premium corrosion resistance.

Model No.	Qty. Req'd	DF/SP Allowable Loads				SPF Allowable Loads					
		Fasteners (Total)	Uplift	Parallel To Endwall (F1)	Perp. To Endwall Toward Anchor (F2)	Perp. To Endwall Away From Anchor (F2)	Fasteners (Total)	Uplift	Parallel To Endwall (F1)	Perp. To Endwall Toward Anchor (F2)	Perp. To Endwall Away From Anchor (F2)
(160)	(160)			(160)	(160)	(160)			(160)	(160)	(160)
 SHEAR CONNECTIONS 											
LTP4	1	12-8dx1½	—	670	—	—	12-8dx1½	—	575	—	—
LTP5	1	12-8dx1½	—	620	—	—	12-8dx1½	—	535	—	—
A34	1	8-8dx1½	—	515	455	—	8-8dx1½	—	340	390	—
A35	1	12-8dx1½	—	695	670	—	12-8dx1½	—	450	575	—
 ENDWALL CONNECTIONS (CONCRETE/MASONRY) 											
HGAM10KTA	1	4-SDS ¼"x1½" 4-¼"x2¾" Titen®	850	1005	1165	680	4-SDS ¼"x1½" 4-¼"x2¾" Titen	610	725	795	530
RBC	1	3-¼"x2¼" Titen® 6-10dx1½	—	350	—	—	3-¼"x2¼" Titen 6-10dx1½	—	350	—	—
HETA12¹	1	7-10dx1½	1515	65	85	85	7-10dx1½	1210	55	75	75
HETA20¹	1	12-10dx1½	1810	730	335	335	12-10dx1½	1810	625	215	215
 ENDWALL CONNECTIONS (WOOD) 											
HGA10KT	1	4-SDS ¼"x1½" 4-SDS ¼"x3"	695	1165	940	780	4-SDS ¼"x1½" 4-SDS ¼"x3"	500	840	675	495
RBC	1	6-10dx1½	—	445	—	—	6-10dx1½	—	380	—	—
LSTA15	1	6-10d	—	—	—	485	6-10d	—	—	—	415
LSTA18	1	8-10d	—	—	—	645	8-10d	—	—	—	555
LSTA21	1	12-10d	—	—	—	965	12-10d	—	—	—	830
LSTA24	1	12-10d	—	—	—	965	12-10d	—	—	—	830
LSTA30	1	16-10d	—	—	—	1305	16-10d	—	—	—	1125

- HETA will require a 30° bend and a 4" minimum embedment depth in a concrete tie beam only. Loads are based on attachment to SP lumber.
- Refer to Prescriptive Standards for spacing and construction of assembly shown in detail D102.
- Straps must use half the total fasteners into each member being connected to achieve the listed loads.
- LTP4 can be installed over ¾" wood structural panel sheathing with 8dx1½ nails and achieve 0.72 of the listed load, or over ½" and achieve 0.64 of the listed load. 8d commons will achieve 100% load.
- The LTP5 may be installed over wood structural panel sheathing up to ½" thick using 8dx1½ nails with no reduction in load.
- For concrete applications use ¼"x1¼" Titen® screws.

Model No.	Qty. Req'd	Fasteners per Connector		DF/SP Allowable Loads (160) Perpendicular to Endwall (F2)				SPF Allowable Loads (160) Perpendicular to Endwall (F2)			
		Gable Brace	Top Plates	Away from Anchors		Toward Anchors		Away from Anchors		Toward Anchors	
				Gable Brace Angle	Gable Brace Angle	Gable Brace Angle	Gable Brace Angle	Gable Brace Angle	Gable Brace Angle		
				40°-45°	46°-60°	40°-45°	46°-60°	40°-45°	46°-60°	40°-45°	46°-60°
GBC	2	5-8dx1½	7-8d	635	570	425	325	535	480	355	275

- For 1¾x3½ (or larger) LVL gable brace, the allowable load at 40° to 45° is 635 lbs. towards anchors, 515 lbs. away from anchors.
- Use minimum 2x4 gable brace. Larger members may be used or required.
- Connection of gable brace to roof diaphragm is by the Designer.
- Gable brace should be flush with inside edge of top plates as shown.

C-HW09 © 2009 SIMPSON STRONG-TIE COMPANY, INC.

