

## STUD PLATE TIES

**DESIGN FEATURES:** Used for wind resistance or seismic conditions. The Stud Plate Ties fasten the bottom plate or the top plate (double plate) to the studs.

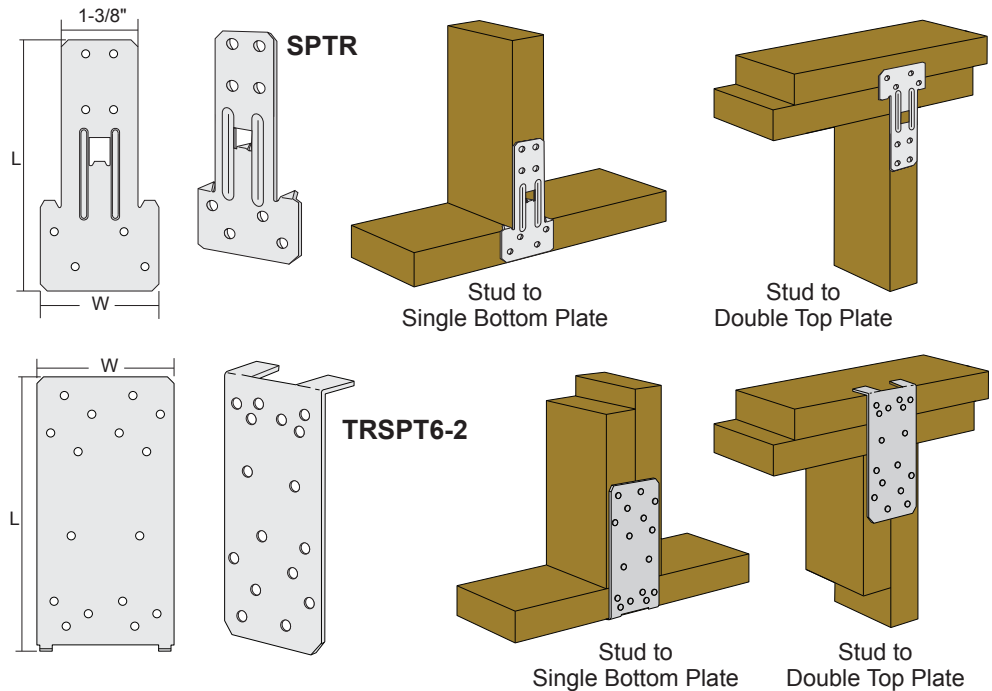
**MATERIAL:** SPTR - 20 ga. galvanized steel  
TRSP6-2 - 18 ga. galvanized steel

**INSTALLATION:** Use all specified fasteners. Nails must be installed into the plate before the stud. SPTR (Stud Plate Tie Reversible) has locating lines which aid in placement on single bottom plate or double top plate conditions.

**CODES:** ICC ESR-1347, ER-5271

**NOTES:**

1. Nails are 8d by 1-1/2 inch and 10d by 1-1/2 inch joist hanger nails.
2. Allowable loads are for hangers nailed into wood or structural composite lumber having an effective specific gravity of 0.55 (such as Southern Pine) or greater.
3. Allowable gravity (bearing) loads have been adjusted by load duration factors,  $C_D$ , OF 1.6 (160%), corresponding to the typical durations of occupancy live loads, snow loads and construction loads, respectively.
4. Tabulated loads are without 33% steel stress increase. Application of steel stress increase is not permitted.



ITEM ID	REF.	DIMENSIONS (INCHES)		CONNECTION ACHIEVED	NAIL SCHEDULE <sup>1</sup>		ALLOWABLE LOADS <sup>2</sup> (LBS)
		W	L		STUD	PLATE	
SPTR	RSP4	2-1/8	4-1/2	Stud to single plate	4-8d x 1-1/2	4-8d x 1-1/2	320
				Stud to double plate	4-8d x 1-1/2	4-8d x 1-1/2	380
TRSP6-2	RSPT6-2	2-3/4	5-1/2	Stud to single plate	8-10d x 1-1/2	6-10d x 1-1/2	973
				Stud to double plate	8-10d x 1-1/2	6-10d x 1-1/2	463

## POST CAPS

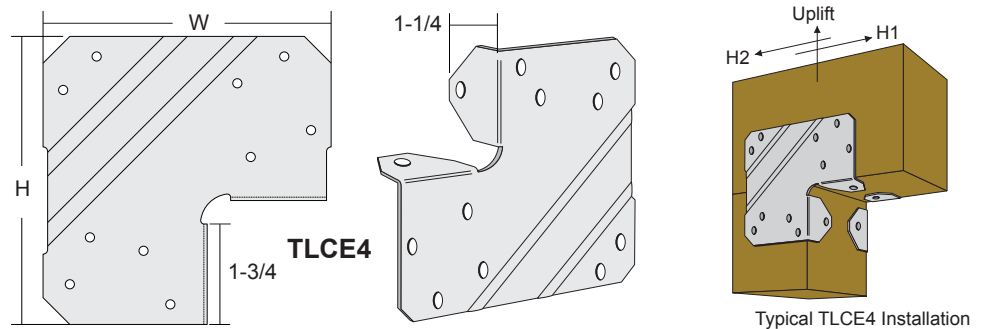
**DESIGN FEATURES:** Designed to connect wood post and beam members. Can be installed on a left or right. For use with 4x or 6x post.

**MATERIAL:** 20 ga. galvanized steel

**CODES:** ICC ESR-1347

**NOTES:**

1. Nails are 16d by 3-1/2 inch common nails.
2. Allowable loads are for hangers nailed into wood or structural composite lumber having an effective specific gravity of 0.50 (such as Douglas Fir Larch) or greater.
3. Allowable gravity (bearing) loads have been adjusted by load duration factors,  $C_D$ , OF 1.6 (160%), corresponding to the typical durations of occupancy live loads, snow loads and construction loads, respectively.
4. Tabulated loads are without 33% steel stress increase. Application of steel stress increase is not permitted.

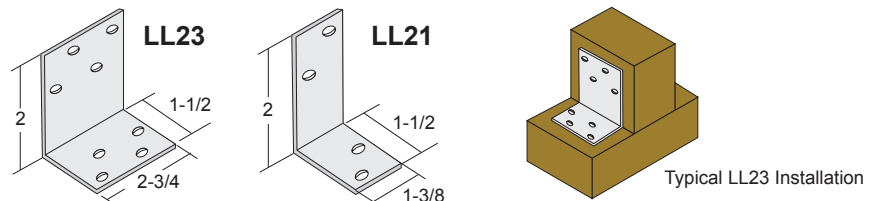


ITEM ID	REF.	DIMENSIONS (INCHES)			NAIL SCHEDULE <sup>1,4</sup>		ALLOWABLE LOADS - DFL <sup>2</sup> (LBS)		
		H	W	B	BEAM <sup>4</sup>	POST <sup>4</sup>	UPLIFT <sup>3</sup>	LATERAL H1 <sup>3</sup>	LATERAL H2 <sup>3</sup>
TLCE4	LCE4	5-3/8	5-3/8	1-1/4	14-16d x 3-1/2	10-16d x 3-1/2	2180	2188	1180

## LIGHT ANGLES

**DESIGN FEATURES:** LLs are versatile reinforcing angles that are nailed to reinforce intersecting wood members.

**MATERIAL:** 18 ga. galvanized steel



ITEM ID	REF.	NAIL SCHEDULE	ALLOWABLE LOADS (LBS)	
			PARALLEL TO GRAIN	PERPENDICULAR TO GRAIN
LL21	A21	4-10d	250	250
LL23	A23	8-10d	505	505