



**General Notes:**

1. See detail drawing number TS003 or TS003B and truss design drawing for additional connector requirements.
2. Attach 400S162-33 stud to one side of chords as shown. See chart for required stud length (L). No punchouts are allowed in this member.
3. See this drawing for stud placement and connection requirements.
4. Connect with #10 self-drilling tapping screws as shown.
5. Maximum allowable top chord gravity load for scab is 75 psf (3.59 kN/m<sup>2</sup>).
6. Wind load:  
ASCE 7-05, 140 MPH (62 m/s) or ASCE 7-10, 180 MPH (80 m/s),  
30' (9144mm) mean height, closed building, Exp C, Category III - IV,  
K<sub>z1</sub> = 1.0 and minimum 5 psf (0.24 kN/m<sup>2</sup>) top chord dead load to resist wind.
7. Maximum truss spacing is 4'-0" (1219mm) O.C.
8. Piggyback and/or base truss may be either TSC2.75, TSC3.00 or TSC4.00 chord material. See truss design drawings for details.
9. Base truss face and piggyback truss face must be on the same vertical plane to use this detail. See Detail A1, A2, B1 or B2 on TS003.
10. End screws are positioned as shown. All other screws are 6" O.C.

Length for 400S162-33 Scab

Pitch	TSC2.75 Piggyback (L) Design in. (mm)	TSC3.00 or TSC4.00 Piggyback (L) Design in. (mm)
3/12 (14.04°)	36 (914)	48 (1219)
4/12 (18.43°)	35 (889)	46 (1168)
5/12 (22.62°)	34 (864)	43 (1092)
6/12 (26.56°)	32 (813)	40 (1016)
7/12 (30.26°)	30 (762)	37 (940)
8/12 (33.69°)	28 (711)	34 (864)
9/12 (36.87°)	26 (660)	31 (787)
10/12 (39.81°)	23 (584)	28 (711)
11/12 (42.51°)	21 (533)	24 (610)
12/12 (45.00°)	18 (457)	21 (533)

**TrusSteel**<sup>®</sup>

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**Roof Deck Support On Piggyback Overhangs**

ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by ITW Building Components Group, Inc.

**Standard Detail:**  
TS003A

**Date:**  
07/16/12

**TrusSteel Detail Category:**  
Piggybacks