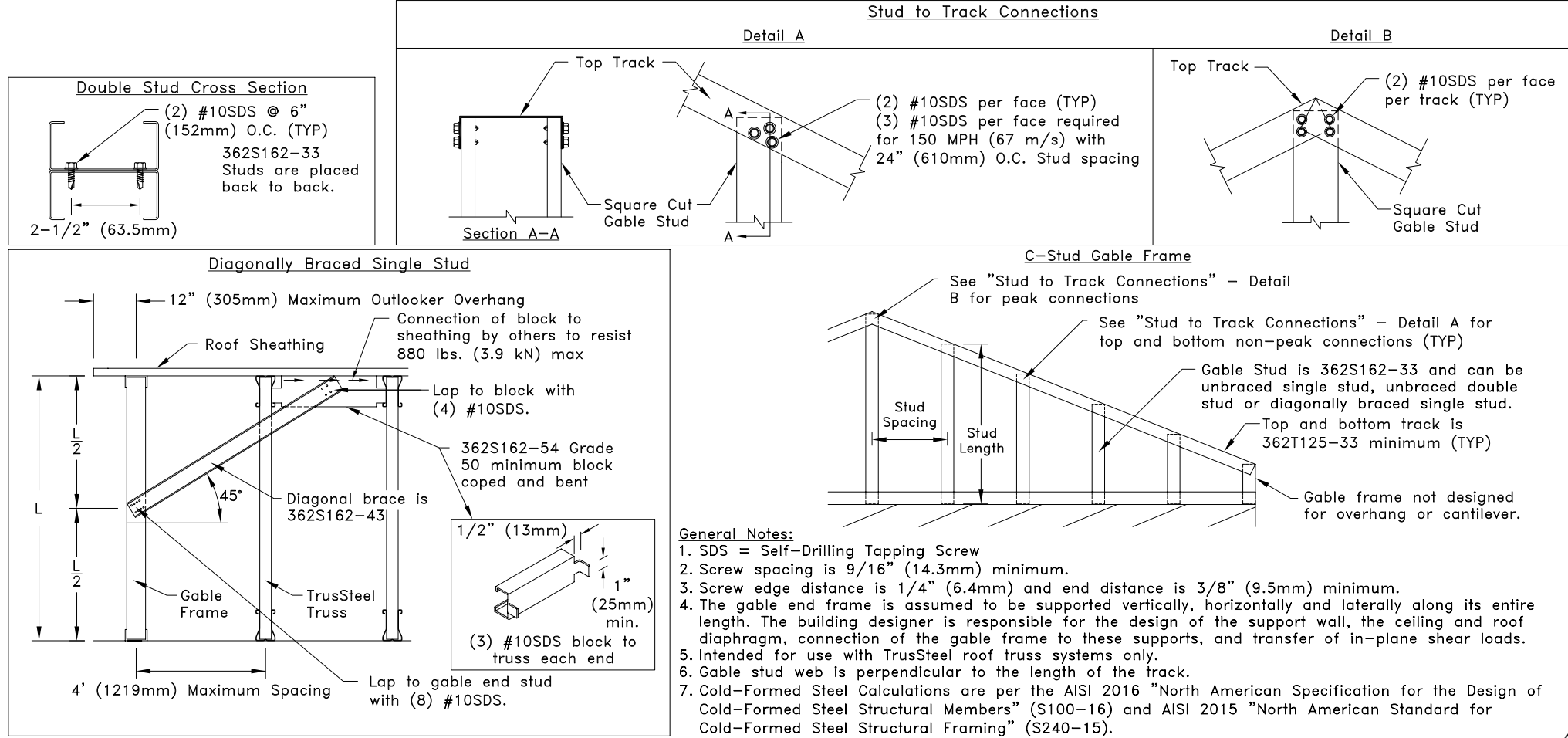


**Wind Criteria:**  
 ASCE 7-05, ASCE 7-10 or ASCE 7-16  
 Enclosed building  
 30' (9144mm) mean height  
 CAT III & IV, EXP C  
 No speed-up increase factor taken for topographic effects;  $K_{zt} = 1.0$

**Max Loading:**  
 Top chord live load = 40 psf (1.92 kN/m<sup>2</sup>)  
 Top chord dead load = 10 psf (0.48 kN/m<sup>2</sup>)  
 Wind dead load = 5 psf (0.24 kN/m<sup>2</sup>)  
 Soffit load on overhang off of gable face = 10 psf (0.48 kN/m<sup>2</sup>)  
 Max weight on face of gable = 10 psf (0.48 kN/m<sup>2</sup>)

362S162-33 Stud Maximum Lengths				
Windspeed:	ASCE 7-05 - 110 MPH (49 m/s)	ASCE 7-05 - 150 MPH (67 m/s)	ASCE 7-05 - 150 MPH (67 m/s)	ASCE 7-05 - 150 MPH (67 m/s)
	ASCE 7-10 - 140 MPH (62 m/s)	ASCE 7-10 - 190 MPH (85 m/s)	ASCE 7-10 - 190 MPH (85 m/s)	ASCE 7-10 - 190 MPH (85 m/s)
	ASCE 7-16 - 140 MPH (62 m/s)	ASCE 7-16 - 190 MPH (85 m/s)	ASCE 7-16 - 190 MPH (85 m/s)	ASCE 7-16 - 190 MPH (85 m/s)
Gable Stud Spacing:	16" (407mm) O.C.	24" (610mm) O.C.	16" (407mm) O.C.	24" (610mm) O.C.
Unbraced Single Stud	6'6" (1981mm)	5'6" (1676mm)	4'9" (1448mm)	3'0" (914mm)
Diagonally Braced Single Stud	13'3" (4039mm)	11'6" (3505mm)	10'6" (3200mm)	8'0" (2438mm)
Unbraced Double Stud	8'6" (2591mm)	7'6" (2286mm)	7'0" (2134mm)	6'0" (1829mm)

**Deflection Criteria Note:** Unbraced Single Stud values meet L/450 max,  
 Diagonally Braced Single Stud values meet L/2100 max  
 Unbraced Double Stud values meet L/390 max.



**ALPINE TrusSteel™**  
 www.TrusSteel.com

## 3-5/8" C-Stud Gable Framing

Alpine, a division of 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 Alpine, a division of ITW Building Components Group, Inc.

**Standard Detail:**

TS013

**Date:**

10/11/18

**TrusSteel Detail Category:**

Gable Framing

Florida: 6750 Forum Drive, Suite 305 / Orlando, FL 32821 / (800) 755-6001  
 Missouri: 13723 Riverport Drive, Suite 200 / Maryland Heights, MO 63043 / (800) 326-4102