

## Allowable Load Combinations for Connection

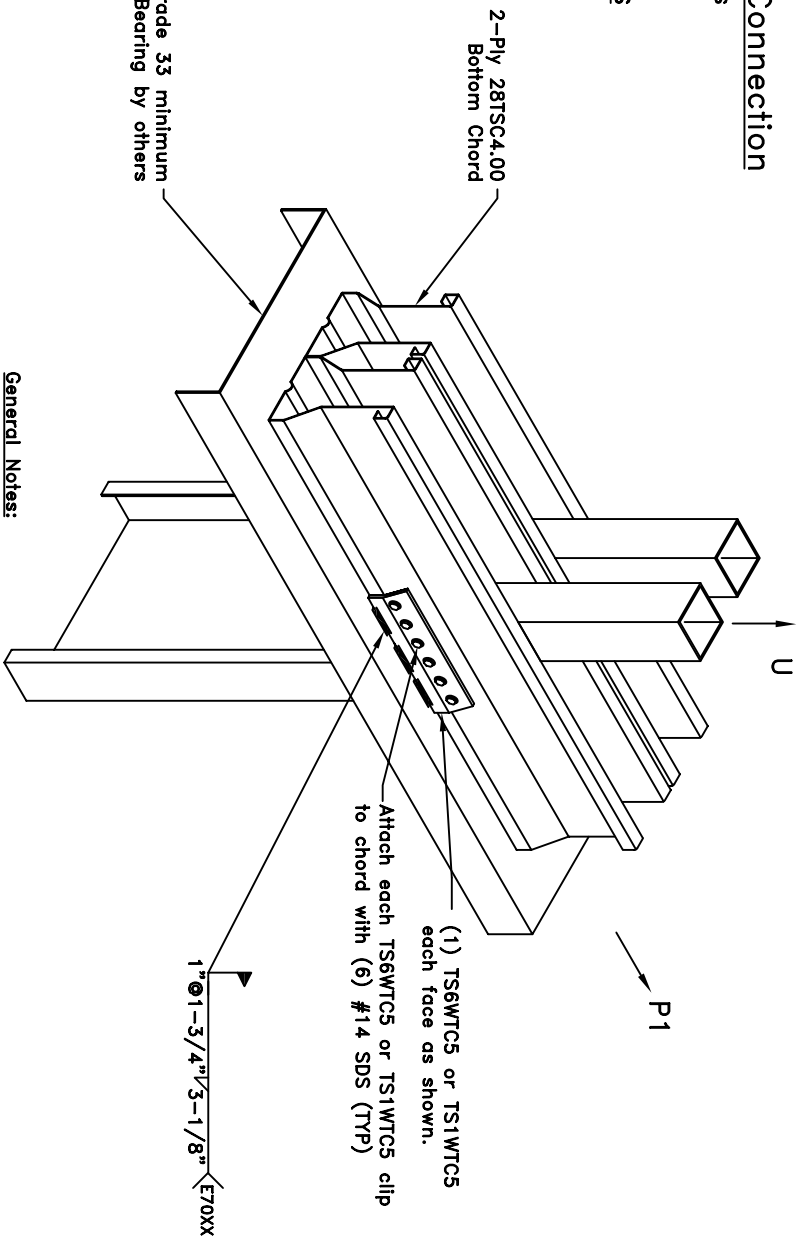
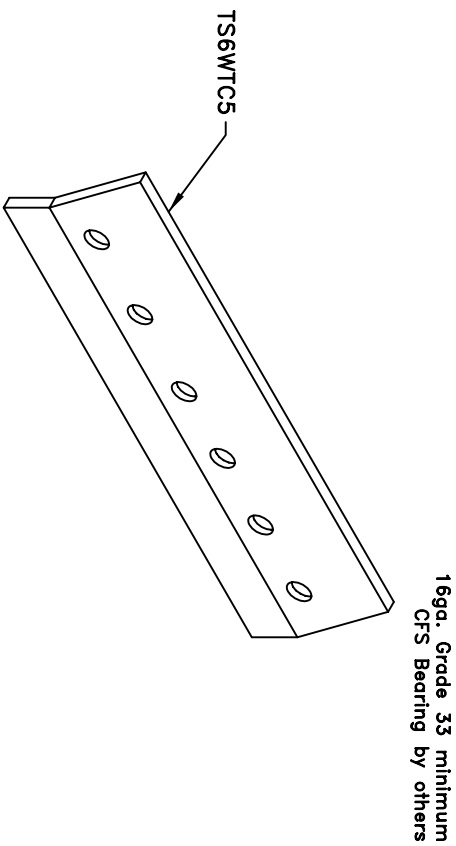
P1 = 2380 lbs with U = 790 lbs

### Maximum Connection Values

(U and P1 NOT in combination)

U<sub>max</sub> = 2820 lbs

P1<sub>max</sub> = 2820 lbs



#### General Notes:

1. SDS = Self-Drilling Tapping Screw
2. Attachment of clip on opposite face of chord is identical to what is detailed.
3. Clips must be positioned so that they are centered at web as shown.
4. It is the responsibility of the building designer to verify that the structural support members are designed for all applicable loads including (but not limited to) the loads given on this detail.
5. Refer to TrusSteel Technical Bulletin 98.10.05 titled "Repair of Galvanized Surfaces" to restore corrosion resistant properties of the connection after welding.
6. The allowable loads outlined in this detail have not been increased by 1.35.
7. Weld values based on the use of an electrode type E70XX.
8. For other allowable load combinations, contact a TrusSteel Engineer.
9. Cold-Formed Steel Calculations are per the 2004 addendum to the AISI 2001 North American Specification for the design of Cold-Formed Steel Structural Members.

TS6WTC5 is 16g (Bare Metal Thickness = 0.0538 in.)

TS1WTC5 may be used in lieu of TS6WTC5

TS1WTC5 is 10g (Bare Metal Thickness = 0.128 in.)

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## 2-Ply Truss to CFS Bearing Connection for Uplift and In-Plane Lateral Load

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.

#### Custom Detail:

TS-CD-TB-CF6-001

Date:

11/10/08

#### Custom Detail:

Truss-to-Bearing: Cold-Formed Steel