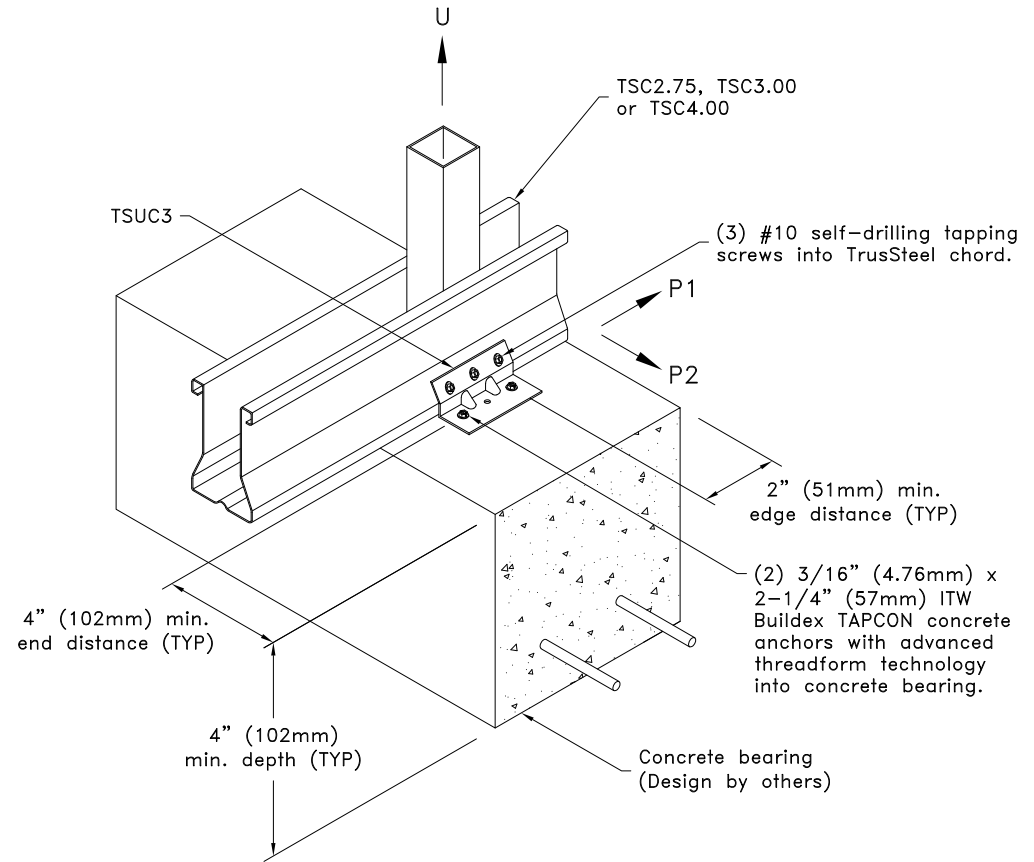
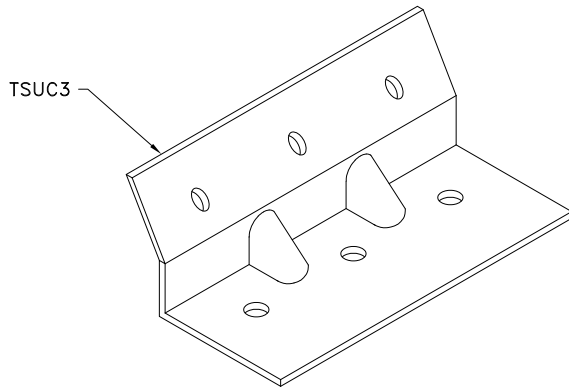


Allowable Loads lbs (kN) ^{A,B,C,D}		
Allowable U		
Concrete Strength f'c, psi (MPa)	Clip on one face ^E	Clip on both faces
2500 (17.24)	NA	520 (2.31)
3000 (20.68)	NA	570 (2.54)
4000 (27.58)	NA	660 (2.94)
5000 (34.47)	NA	740 (3.29)
Allowable P1 and P2 for clip on both faces ^E		
P1 = 580 lbs (2.58 kN) P2 = 580 lbs (2.58 kN)		

- A. Allowable loads shown on this detail are not in combination.
 B. Special inspection is required. Refer to ICC ESR-2202 (October, 2021) regarding proper installation of anchors and requirements for special inspection.
 C. Per ICC ESR-2202 (October, 2021), the design values given above are for uncracked concrete only.
 D. Allowable loads outlined are based on the assumption that 70% of the applied load is live load and 30% is dead load.
 E. Clip connection is required on both faces.



General Notes:

1. This detail shall not be used to resist seismic loads.
2. Attachment of second clip on opposite face of chord is identical to what is detailed.
3. Multi-ply trusses require a clip on each face. Refer to TrusSteel detail drawing TS023A for ply-to-ply connections for 3-Ply trusses with a clip on each face.
4. Fill outside holes of TSUC3 clip with TAPCON concrete anchors as shown.
5. Concrete anchor is not to be installed until concrete has reached the specified design strength.
6. Design of tapcons are per ICC ESR-2202 (October, 2021).
7. Cold-Formed Steel calculations are per the 2020 supplement to AISI 2016 "North American Specification for the Design of Cold-Formed Steel Structural Members" (S100-16/S2-20).



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TSUC3 Uplift Attachment To Concrete Bearing

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:

TS030

Date:

06/01/22

TrusSteel Detail Category:

Truss-To-Bearing: Concrete