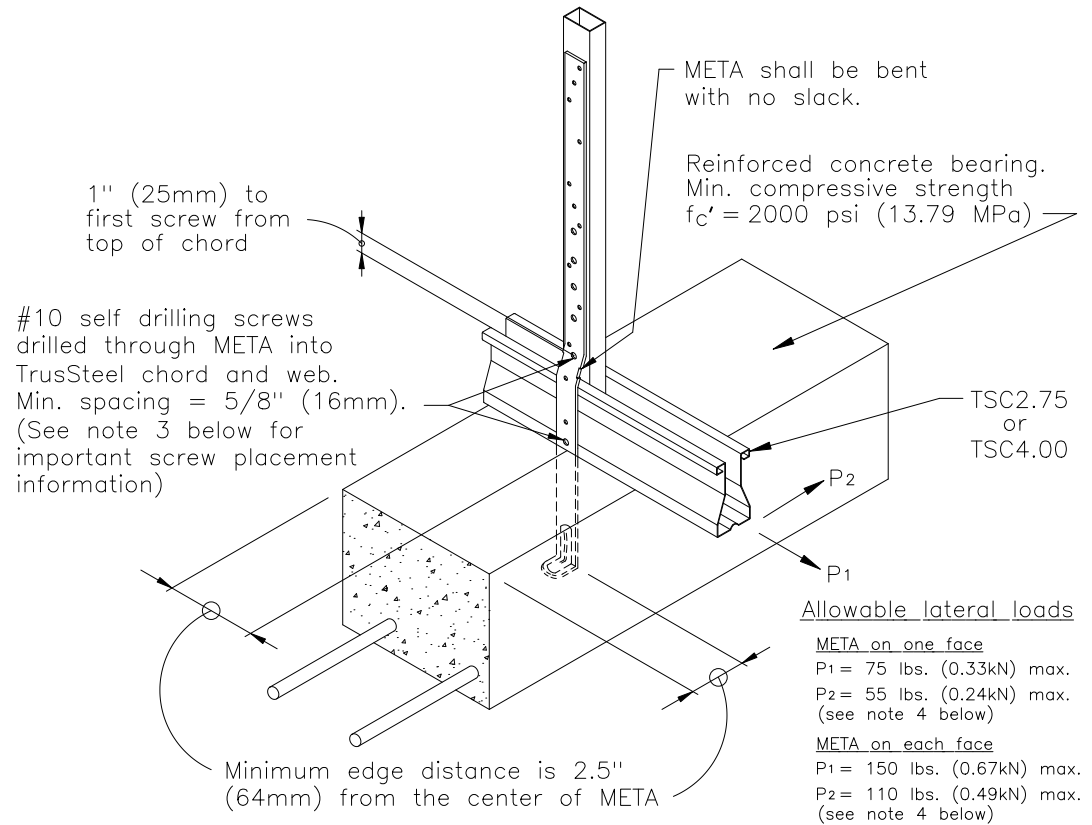
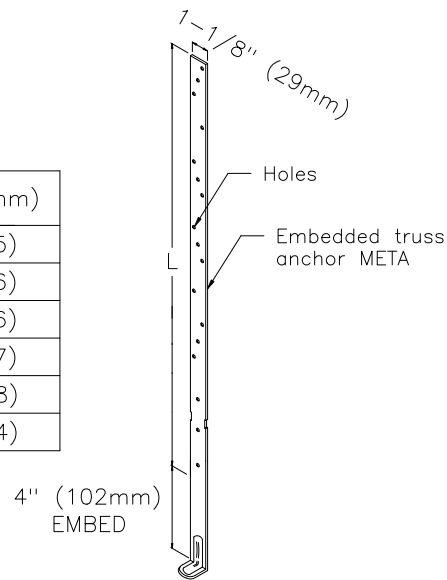


Simpson META Uplift Attachment to Concrete

Allowable Uplift Capacity lbs. (kN)			
No. of screws per META	META on one face		META on both faces TSC2.75 & TSC4.00
	TSC2.75	TSC4.00	
3	730 (3.25)	820 (3.65)	1640 (7.30)
4	730 (3.25)	1090 (4.85)	2180 (9.70)
5	730 (3.25)	1370 (6.09)	2730 (12.14)
6	730 (3.25)	1500 (6.67)	3000 (13.34)

- The uplift capacities shown above have been increased by 1.33 and may be used only for uplift resulting from wind or seismic loads. For uplift due to other loads, use 75% of tabulated values.

META	"L" in. (mm)
META16	12 (305)
META18	14 (356)
META20	16 (406)
META22	18 (457)
META24	20 (508)
META40	36 (914)

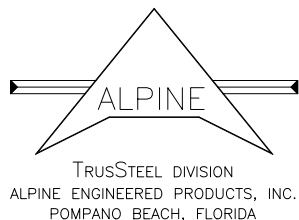


General Notes:

1. Attachment of second META on opposite face of chord is identical to that detailed above.
2. Truss shall be designed with at least one vertical web over the bearing to accommodate the META.
3. Screws shall be located such that at least one screw connects the META and the truss bottom chord and two screws connect the META and the vertical web over the bearing. The one screw connecting the META to the truss bottom chord must be located no more than 1/2" (13mm) up from the bottom of the chord.
4. Lateral allowable loads (P1 and P2) shown are maximum values. If these loads are in combination with an uplift load, contact an engineer from Alpine Engineered Products, Inc.
5. This detail is limited to the use of META16, 18, 20, 22, 24, and 40 only.

Allowable lateral loads

<u>META on one face</u>	
P1 =	75 lbs. (0.33kN) max.
P2 =	55 lbs. (0.24kN) max. (see note 4 below)
<u>META on each face</u>	
P1 =	150 lbs. (0.67kN) max.
P2 =	110 lbs. (0.49kN) max. (see note 4 below)



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING INSTALLING AND BRACING. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. BRACING DEPICTED ON THIS DESIGN IS ONLY FOR LATERAL SUPPORT OF TRUSS MEMBERS TO REDUCE BUCKLING LENGTHS. ALL DESIGN, ATTACHMENT AND INSTALLATION OF TEMPORARY AND PERMANENT BRACING, TO RESIST LATERAL FORCES AND HOLD TRUSSES PLUMB, SHALL BE THE RESPONSIBILITY OF OTHERS. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN OR HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES. AN ENGINEER'S SEAL ON THIS DRAWING APPLIES ONLY TO DESIGN OF THE TRUSS DEPICTED HERE AND SHALL NOT BE RELIED UPON IN OTHER WAY.

TRUSSTEEL DETAIL	
DATE	12/21/01
DRWG	TS034
-ENG	