

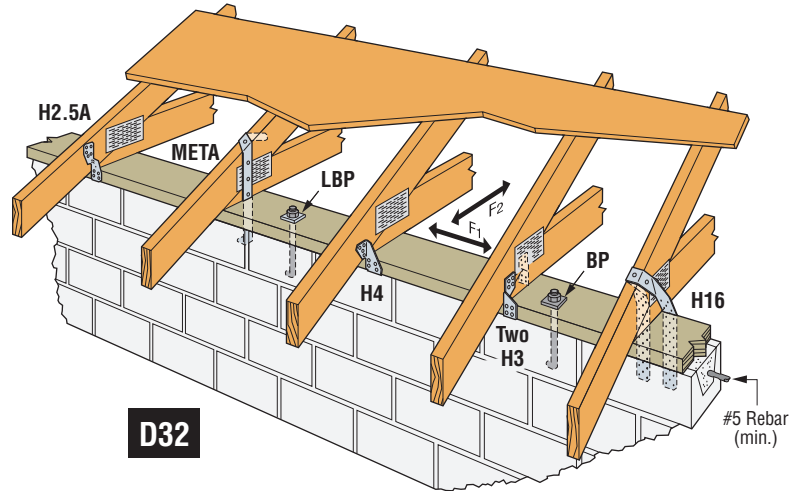
TRUSS/RAFTER TO SINGLE TOP PLATE

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.
These products are also available in stainless steel for premium corrosion resistance.

Model No.	Qty. Required	Fasteners (Total)		DF/SP Allowable Loads			SPF Allowable Loads		
		To Truss/Rafters	To Plates	Uplift (160)	Parallel to Plate (F ₁) (160)	Perp. to Plate (F ₂) (160)	Uplift (160)	Parallel to Plate (F ₁) (1160)	Perp. to Plate (F ₂) (160)
H4	1	4-8d	4-8d	360	165	160	235	140	135
H2.5A	1	5-8d	4-8d	390	—	—	315	—	—
H3	1	4-8d	4-8d	455	125	160	320	105	140
H4	2	8-8d	8-8d	720	330	320	470	280	270
H2.5A	2	10-8d	8-8d	780	—	—	630	—	—
H3	2	8-8d	8-8d	910	250	320	640	210	280
META16	1	7-10dx1½	N/R	1450	340	725	1180	340	635
META20	1	7-10dx1½	N/R	1450	340	725	1180	340	635
H16	1	2-10dx1½	6-¼"x2¼" Titen ¹	1470	—	—	1265	—	—

- H16 fastened to masonry or concrete wall below single plate. Use 1¾" Titen[®] screws for concrete applications.
- N/R—Not required, product is embedded into concrete or CMU.
- Refer to page 15 for multiple META loads.
- Refer to page 38 for installation details of two connectors on a single truss.
- H16/H16-2 factory sloped to 5:12, but 3:12-7:12 roof slope is acceptable.

Refer to pages 8-9 for important considerations regarding coatings on connectors attached to preservative-treated wood



D32

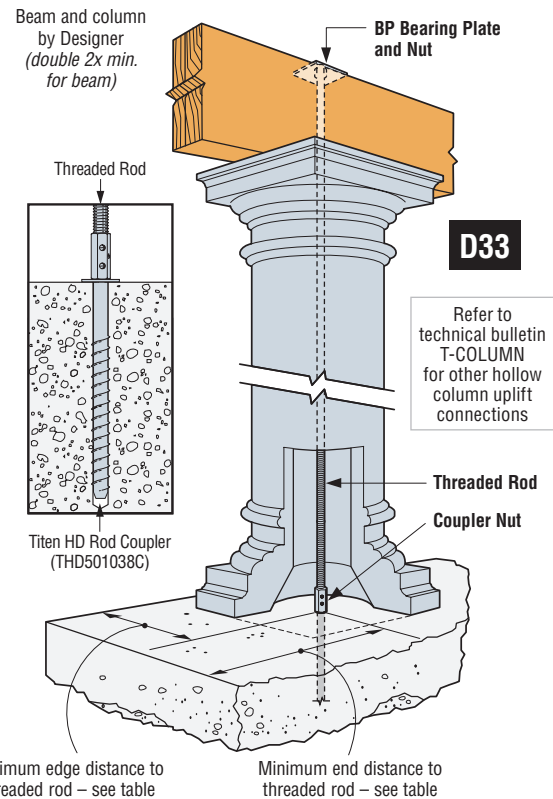
HOLLOW COLUMN UPLIFT

Install hollow columns after the concrete pour, eliminating the need to determine the column's exact location during layout. Uplift loads are achieved with a concealed connection using Simpson Strong-Tie[®] Titen HD[®] Rod Coupler or SET Epoxy-Tie[®] anchoring adhesive.

Allowable Uplift Loads

Anchor ^a	Anchor Drill Bit Dia.	Min. Embed. Depth ⁷	Min. End Dist.	Min. Edge Dist.	Bearing Plate Model No.	Coupler Nut Model No.	Uplift Capacity ⁶		
							SPF	SP	DF
TITEN HD ROD COUPLER⁴									
THD501038C	½"	8"	16"	1¾"	BP½	— ⁵	3720	3750	3750
SET EPOXY SOLUTION⁸									
½" ATR	⅝"	4¼"	3"	3"	BP½-3	CNW½	2420	2420	2420
⅝" ATR	¾"	5"	5"	4"	BP⅝-3	CNW⅝	3670	3675	3675
¾" ATR	⅞"	6¾"	7"	3"	BP¾	CNW¾	2990	3980	4400
⅞" ATR	1"	7¾"	8"	4"	BP⅞	CNW⅞	3530	4695	5195
1" ATR	1⅛"	9"	9"	4"	BP1	CNW1	4830	6420	7100

- Refer to the Simpson Strong-Tie[®] *Anchoring and Fastening Systems for Concrete and Masonry* catalog (C-SAS) for complete SET Epoxy-Tie[®] adhesive and THDC installation details.
- Allowable loads have been increased for wind or earthquake loading with no further increase allowed.
- Anchor solutions listed are based on 2500 psi concrete and uncracked concrete with no supplementary reinforcement.
- ⅝" wrench size required.
- THDC comes with coupler nut for ½" diameter threaded rod.
- System capacity limited by perpendicular to grain wood bearing capacity (SPF = 425 psi, SP = 565 psi, DF = 625 psi), rod tension capacity or anchorage capacity.
- Anchor length must be at least 2" longer than embedment depth.
- Designer may modify epoxy embedment depth and edge and end distances per the Simpson Strong-Tie[®] *Anchoring and Fastening Systems for Concrete and Masonry* catalog (C-SAS).
- Threaded rod shall be ASTM A307 and match anchor diameter. Use ½" ATR with THD501038C option.



D33