

The industry standard column cap. Precision factory gang-punched holes speed installation on this product line.

**MATERIAL:** CC3¼, CC44, CC46, **CC48**, CC64, CC66, CC68, CC6-7½—7 gauge; all others—3 gauge

**FINISH:** Simpson gray paint; may be ordered HDG; CCO—no finish.

**INSTALLATION:** • Use all specified fasteners. See General Notes.

- Bolt holes shall be a minimum of ½" to a maximum of ⅞" larger than the bolt diameter (per 1997 NDS, section 8.1.2.1.).

**OPTIONS:** • Straps may be rotated 90° where  $W_1 \geq W_2$  (see illustration).

- For special, custom, or rough cut lumber sizes, provide dimensions. An optional  $W_2$  dimension may be specified with any column size given (note that the  $W_2$  dimension on straps rotated 90° is limited by the  $W_1$  dimension).
- Column caps with  $W_1$ , L,  $H_1$ , and hole schedules different from the table may be special ordered. Provide a drawing to ensure accuracy.

**CCO**—Column cap only may be ordered for field-welding to pipe or other columns. **No loads apply. CCO dimensions are the same as CC.**

**CCOB**—Any two CCOs may be specified for back-to-back welding to create a cross beam connector. Use the table loads; the load is no greater than the lesser element employed.

**CCC/CT**—Cross Column Cap/T Column Cap. 7 gauge stirrups may be welded to column cap sides. Uplift loads do not apply to side stirrups. To order, add the appropriate letters and dimensions to the model number in the table; see examples.

**The following criteria apply:**

1. The side stirrup maximum allowable download cannot exceed 40% of the download in the table for the unmodified product, and cannot exceed 10,665 lbs. The sum of the loads cannot exceed the table load. The column width in the direction of the beam width must be the same as the beam width:  $W_1$ .
2. Specify the stirrup height from the top of the cap. The minimum  $H_2/H_3$  for the stirrup is 6½" (3½" for 44s).
3. The L dimension may vary depending on  $W_3$  or  $W_4$ .

**Ordering examples:** A CCC66 with  $W_3 = 5½"$ ,  $H_2$  and  $H_3 = 6½"$  is a CC66 column cap with 5½" beams on each side with all beam seats flush.

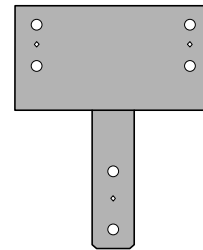
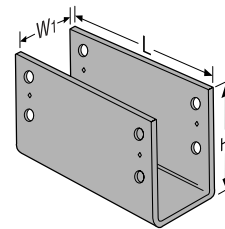
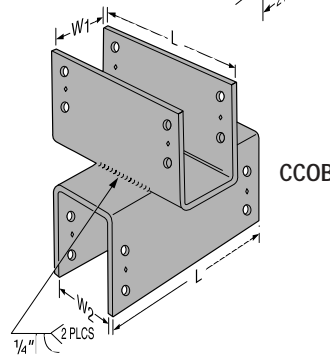
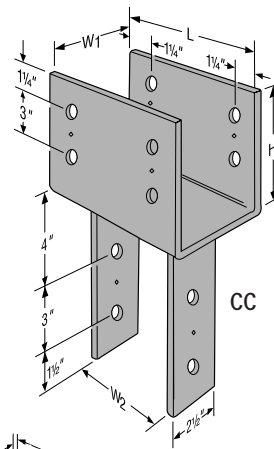
**CODES:** See page 8 for Code Listing Key Chart.

Model No.	Dimensions				Fasteners				Allowable Loads			Code Ref.
	$W_1$	$W_2$	L	$H_1$	Beam		Post		Uplift (133)	Down (160)	(100)	
					Qty	Dia	Qty	Dia				
CC3¼-4	3¼	3¾	11	6½	4	⅝	2	⅝	3035	3170	19250	20, 80
CC3¼-6	3¼	5½	11	6½	4	⅝	2	⅝	3035	3170	19250	
CC44	3¾	3¾	7	4	2	⅝	2	⅝	1220	1465	15310	
CC46	3¾	5½	11	6½	4	⅝	2	⅝	2330	2800	24060	
CC48	3¾	7½	11	6½	4	⅝	2	⅝	2330	2800	24060	
CC5¼-4	5¼	3¾	13	8	4	¾	2	¾	6305	6690	37310	
CC5¼-6	5¼	5½	13	8	4	¾	2	¾	6275	6690	37310	
CC5¼-8	5¼	7½	13	8	4	¾	2	¾	6275	6690	37310	
CC64	5½	3¾	11	6½	4	⅝	2	⅝	3365	3660	37810	
CC66	5½	5½	11	6½	4	⅝	2	⅝	3365	3660	37810	
CC68	5½	7½	11	6½	4	⅝	2	⅝	3365	3660	37810	
CC6-7½	5½	7½	11	6½	4	⅝	2	⅝	3365	3660	37810	
CC7½-4	7½	3¾	13	8	4	¾	2	¾	6260	7510	68250	
CC7½-6	7½	5½	13	8	4	¾	2	¾	6320	7585	68250	
CC7½-7½	7½	7½	13	8	4	¾	2	¾	6320	7585	68250	
CC74	6¾	3¾	13	8	4	¾	2	¾	6270	7525	49140	
CC76	6¾	5½	13	8	4	¾	2	¾	6270	7525	49140	
CC77	6¾	6¾	13	8	4	¾	2	¾	6270	7525	49140	
CC78	6¾	7½	13	8	4	¾	2	¾	6270	7525	49140	
CC86	7½	5½	13	8	4	¾	2	¾	6200	7440	54600	
CC88	7½	7½	13	8	4	¾	2	¾	6200	7440	54600	
CC96	8¾	5½	13	8	4	¾	2	¾	6260	7515	63700	
CC98	8¾	7½	13	8	4	¾	2	¾	6260	7515	63700	
CC106	9½	5½	13	8	4	¾	2	¾	6260	7515	69160	

1. Post sides are assumed to lie in the same vertical plane as the beam sides.
2. Loads may not be increased for short-term loading.
3. Downloads are determined using  $F_c \perp$  equal to: 560 psi for glulam sizes and CC86, CC88 and CC106; 750 psi for 7½" size; 625 psi for all others; reduce where end bearing value of post, L/R of post, or other criteria are limiting.
4. Uplift loads have been increased 33% and 60%

for earthquake or wind loading; reduce where other loads govern. **Uplift loads are limited by the beam shear capacity per 1997 NDS Section 3.4.5 except CC76, CC78, and CC96 through CC106.**

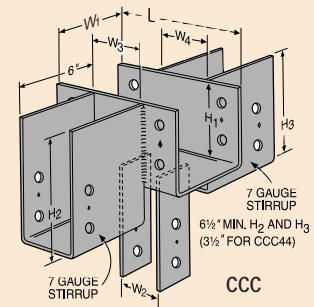
5. Spliced conditions must be detailed by the specifier to transfer tension loads between spliced members by means other than the column cap.
6. Uplift loads do not apply to splice conditions.



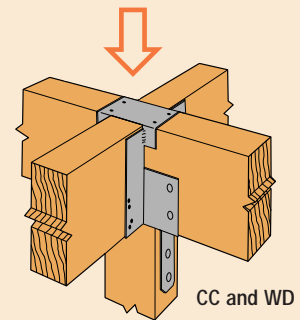
Optional CC with straps rotated 90°

Side stirrups are available in different depths.

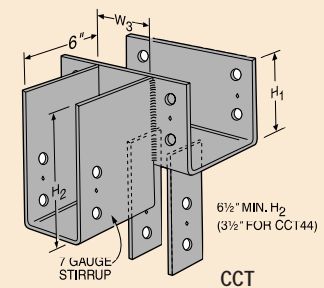
There are cost-effective alternatives for replacing column caps by using a combination of connectors. Here are some examples. Designer must specify the options required.



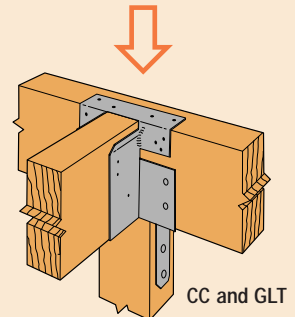
Instead of the column cap, consider this connector combination.



CC and WD



Instead of the column cap, consider this connector combination.



CC and GLT

Order each connector separately.

For more information, request Form T-CC and the Product Worksheet.

*NOTE: The side cap will be welded flush with the top of the main cap.*