

PCM & EPCM SERIES

PRODUCT FEATURES:

PCM and EPCM are post caps and end post caps used for post-to-beam connection applications.

MATERIAL:

PCM/EPCM - 16 Gauge and 12 Gauge

COATING:

Galvanized (G185)

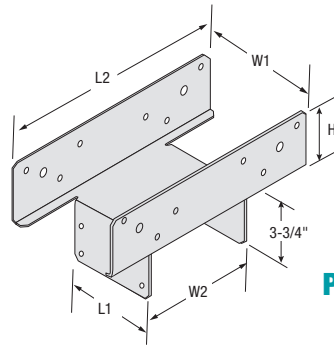


INSTALLATION:

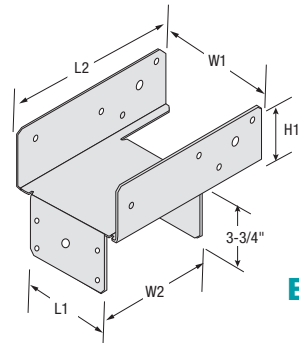
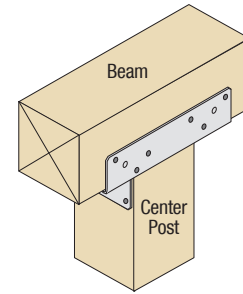
- Use all specified fasteners in schedule to achieve values indicated.
- EOR's approval is required to substitute 16 ga post caps and end post caps for 12 ga post caps and end post caps.

CODE COMPLIANCE:

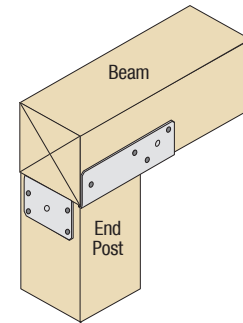
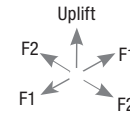
TER 0910-01; FL 3557



PCM



EPCM



ALLOWABLE LOADS FOR PCM & EPCM (LB)^{1,2}

| Part Name | Part No. | Dimensions (in.) | | | | | Fasteners ¹ | | | | Allowable Loads (lb) ² | | | | | |
|-----------|-----------|------------------|--------|---------|---------|----|------------------------|------|------|-------|-----------------------------------|-------|-------|-------------------------------|-------|----------|
| | | | | | | | Beam | | Post | | Southern Pine (SG=0.55) | | | Douglas Fir - Larch (SG=0.50) | | |
| | | W1 | W2 | H1 | L1 | L2 | Qty | Size | Qty | Size | Uplift | F1 | F2 | Uplift | F1 | F2 |
| 12ga PCM | PCM44 | 3-9/16 | 3-9/16 | 3-9/16 | 2-7/16 | 12 | 16d | 8 | 16d | 2,120 | 2,050 | 1,955 | 2,085 | 1,855 | 1,795 | |
| | PCM46 | | 5-9/16 | | | | | | | | | | | | | |
| | PCM48 | | 7-9/16 | | | | | | | | | | | | | |
| | PCM64 | 5-1/2 | 3-9/16 | 3-1/2 | 3-13/16 | | | | | | | | | | | 11 |
| | PCM66 | 5-9/16 | 13 | | | | | | | | | | | | | |
| | PCM68 | 7-9/16 | 15 | | | | | | | | | | | | | |
| | PCM77 | 7-1/8 | 7-1/8 | 3-11/16 | 5-5/8 | | | | | | | | | | | 14-9/16 |
| | PCM84 | 7-1/2 | 3-9/16 | 3-1/2 | 5-5/8 | | | | | | | | | | | 11 |
| | PCM86 | | 5-9/16 | 3-3/8 | | | | | | | | | | | | 13 |
| PCM88 | 7-9/16 | | 3-1/2 | 14-5/8 | | | | | | | | | | | | |
| 16ga PCM | PCM44-16 | 3-9/16 | 3-9/16 | 3-9/16 | 2-7/16 | 12 | 16d | 8 | 16d | 1,875 | 1,875 | 1,730 | 1,845 | 1,640 | 1,590 | |
| | PCM46-16 | | 5-9/16 | | | | | | | | | | | | | |
| | PCM48-16 | | 7-9/16 | | | | | | | | | | | | | |
| | PCM64-16 | 5-1/2 | 3-9/16 | 3-1/2 | 3-13/16 | | | | | | | | | | | 11 |
| | PCM66-16 | 5-9/16 | 13 | | | | | | | | | | | | | |
| | PCM68-16 | 7-9/16 | 15 | | | | | | | | | | | | | |
| | PCM84-16 | 7-1/2 | 3-9/16 | 3-1/2 | 5-5/8 | | | | | | | | | | | 11 |
| | PCM86-16 | | 5-9/16 | 3-3/8 | 13 | | | | | | | | | | | |
| | PCM88-16 | | 7-9/16 | 3-1/2 | 15 | | | | | | | | | | | |
| 12ga EPCM | EPCM44 | 3-9/16 | 3-9/16 | 3-9/16 | 2-7/16 | 8 | 16d | 8 | 16d | 2,120 | 2,050 | 1,955 | 2,085 | 1,855 | 1,795 | |
| | EPCM46 | | 5-9/16 | | | | | | | | | | | | | |
| | EPCM48 | | 7-9/16 | | | | | | | | | | | | | |
| | EPCM64 | 5-1/2 | 3-9/16 | 3-1/2 | 3-13/16 | | | | | | | | | | | 7-1/4 |
| | EPCM66 | 5-9/16 | 9-1/4 | | | | | | | | | | | | | |
| | EPCM68 | 7-9/16 | 11-1/4 | | | | | | | | | | | | | |
| | EPCM77 | 7-1/8 | 7-1/8 | 3-11/16 | 5-5/8 | | | | | | | | | | | 10-13/16 |
| | EPCM84 | 7-1/2 | 3-9/16 | 3-1/2 | 5-5/8 | | | | | | | | | | | 7-1/4 |
| | EPCM86 | | 5-9/16 | 3-1/2 | | | | | | | | | | | | 9-1/4 |
| EPCM88 | 7-9/16 | | 3-1/2 | 11-1/8 | | | | | | | | | | | | |
| 16ga EPCM | EPCM44-16 | 3-9/16 | 3-9/16 | 3-9/16 | 2-7/16 | 8 | 16d | 8 | 16d | 1,875 | 1,815 | 1,730 | 1,845 | 1,640 | 1,590 | |
| | EPCM46-16 | | 5-9/16 | | | | | | | | | | | | | |
| | EPCM48-16 | | 7-9/16 | | | | | | | | | | | | | |
| | EPCM64-16 | 5-1/2 | 3-9/16 | 3-1/2 | 3-13/16 | | | | | | | | | | | 7-1/4 |
| | EPCM66-16 | 5-9/16 | 9-1/4 | | | | | | | | | | | | | |
| | EPCM68-16 | 7-9/16 | 11-1/4 | | | | | | | | | | | | | |
| | EPCM84-16 | 7-1/2 | 3-9/16 | 3-1/2 | 5-5/8 | | | | | | | | | | | 7-1/4 |
| | EPCM86-16 | | 5-9/16 | 3-1/2 | | | | | | | | | | | | 9-1/4 |
| | EPCM88-16 | | 7-9/16 | 3-1/2 | | | | | | | | | | | | 11-1/4 |

NOTES:

1. Nails designated as 16d shall be 16d common nails (0.162 x 3.5", $F_{yb} = 90,000$ psi).
2. Allowable loads are provided for load duration factor (C_D) of 1.6. No further increase is permitted.

Post Caps

CCS/ECCS SERIES

PRODUCT FEATURES:

Welded Column Caps (CCS) and End Column Caps (ECCS) are heavy post to beam connectors that uses QuickTie Structural Wood Screws for higher load rating.

MATERIAL:

CCS – 7 Gauge and 3 Gauge

ECCS – 7 Gauge and 3 Gauge

COATING:

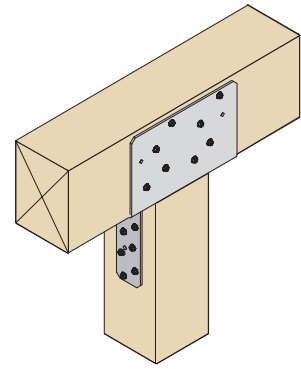
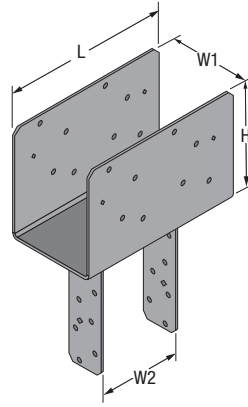
Spray Painted Primer (gray)

INSTALLATION:

- Use all specified fasteners in schedule to achieve values indicated.
- EOR to design the post and beam(s) to support the required loads.

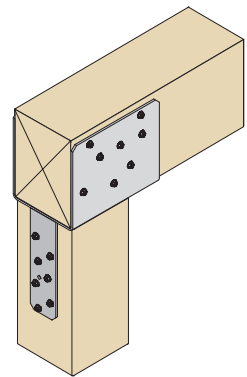
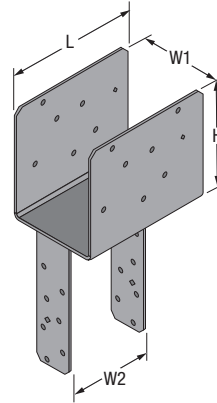
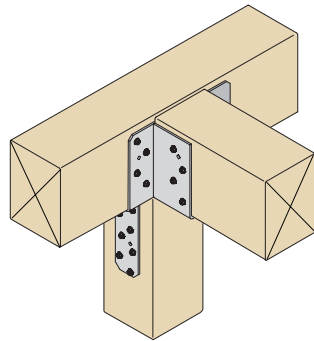
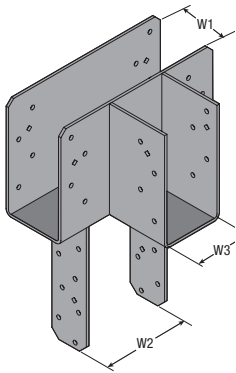
CODE COMPLIANCE:

Call QT for code approval information.



CCS

(Part includes structural wood screws)

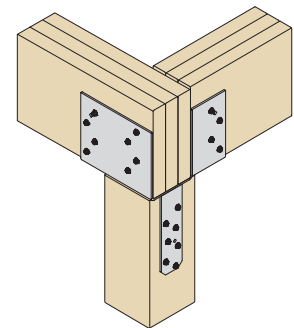
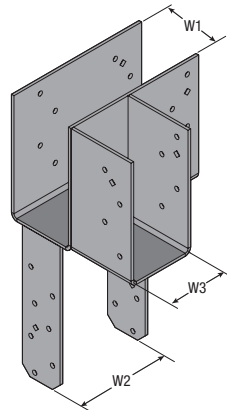
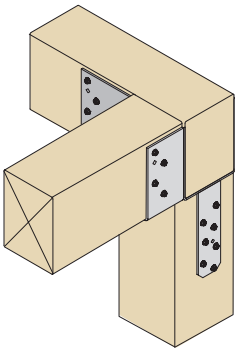


CCST

(Part includes structural wood screws)

ECCS

(Part includes structural wood screws)

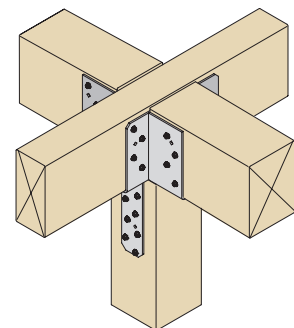
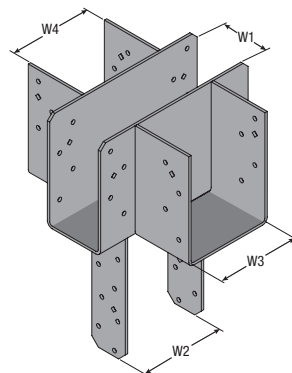
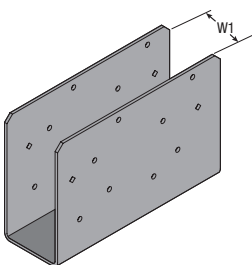


ECCSLR

(Part includes structural wood screws)

ECCSLL

(Part includes structural wood screws)



CCSO

(Part includes structural wood screws)

ECCSC

(Part includes structural wood screws)

ALLOWABLE LOADS FOR CCS & ECCS (LB)^{1,2}

| Part Name | Part No. | Steel Thick., ga | Dimensions (in.) | | | | Fastener Schedule ¹ | | | | Allowable Loads (lb)* | |
|-----------|-----------|------------------|------------------|-------|--------|-------|--------------------------------|------|------|------|---|--|
| | | | | | | | Beam | | Post | | SP/DF-L (0.50) | |
| | | | W1 | W2 | H | L | Qty | Type | Qty | Type | Bearing (C _b = 1.0) ² | Uplift (C _b = 1.6) ² |
| CCS | CCS325-4 | 7 | 3-1/4 | 3-5/8 | 7 | 11 | 16 | SWH3 | 14 | SWH3 | 22,560 | 7,420 |
| | CCS325-6 | 7 | 3-1/4 | 5-1/2 | | | | | | | 22,560 | |
| | CCS44 | 7 | 3-5/8 | 3-5/8 | | | | | | | 25,270 | |
| | CCS45 | 7 | 3-5/8 | 5-3/8 | | | | | | | 25,270 | |
| | CCS46 | 7 | 3-5/8 | 5-1/2 | | | | | | | 25,270 | |
| | CCS4-71 | 7 | 3-5/8 | 7-1/8 | | | | | | | 25,270 | |
| | CCS48 | 7 | 3-5/8 | 7-1/2 | 25,270 | | | | | | | |
| | CCS525-4 | 3 | 5-1/4 | 3-5/8 | 7 | 11 | 16 | SWH3 | 14 | SWH3 | 43,720 | 7,420 |
| | CCS525-6 | 3 | 5-1/4 | 5-1/2 | | | | | | | 43,720 | |
| | CCS525-8 | 3 | 5-1/4 | 7-1/2 | | | | | | | 43,720 | |
| | CCS5-71 | 3 | 5-3/8 | 7-1/8 | | | | | | | 37,900 | |
| | CCS64 | 7 | 5-1/2 | 3-5/8 | 7 | 11 | 16 | SWH3 | 14 | SWH3 | 39,705 | 7,420 |
| | CCS66 | 7 | 5-1/2 | 5-1/2 | | | | | | | 39,705 | |
| | CCS6-71 | 7 | 5-1/2 | 7-1/8 | | | | | | | 39,705 | |
| | CCS68 | 7 | 5-1/2 | 7-1/2 | | | | | | | 39,705 | |
| | CCS74 | 3 | 6-7/8 | 3-5/8 | 7 | 11 | 16 | SWH3 | 14 | SWH3 | 48,725 | 7,420 |
| | CCS76 | 3 | 6-7/8 | 5-1/2 | | | | | | | 48,725 | |
| | CCS77 | 3 | 6-7/8 | 7-1/8 | | | | | | | 48,725 | |
| | CCS78 | 3 | 6-7/8 | 7-1/2 | | | | | | | 48,725 | |
| | CCS71-4 | 3 | 7-1/4 | 3-5/8 | | | | | | | 50,530 | |
| | CCS71-6 | 3 | 7-1/4 | 5-1/2 | | | | | | | 50,530 | |
| | CCS71-71 | 3 | 7-1/4 | 7-1/4 | | | | | | | 50,530 | |
| | CCS71-8 | 3 | 7-1/4 | 7-1/2 | | | | | | | 50,530 | |
| | CCS84 | 3 | 7-1/2 | 3-5/8 | 7 | 11 | 16 | SWH3 | 14 | SWH3 | 54,145 | 7,420 |
| | CCS86 | 3 | 7-1/2 | 5-1/2 | | | | | | | 54,145 | |
| | CCS88 | 3 | 7-1/2 | 7-1/2 | | | | | | | 54,145 | |
| | CCS94 | 3 | 8-7/8 | 3-5/8 | | | | | | | 63,165 | |
| | CCS96 | 3 | 8-7/8 | 5-1/2 | | | | | | | 63,165 | |
| | CCS98 | 3 | 8-7/8 | 7-1/2 | | | | | | | 63,165 | |
| | CCS106 | 3 | 9-1/2 | 5-1/2 | | | | | | | 68,580 | |
| ECCS | ECCS325-4 | 7 | 3-1/4 | 3-5/8 | | | | | | | 7 | |
| | ECCS325-6 | 7 | 3-1/4 | 5-1/2 | 15,385 | | | | | | | |
| | ECCS44 | 7 | 3-5/8 | 3-5/8 | 17,815 | | | | | | | |
| | ECCS45 | 7 | 3-5/8 | 5-3/8 | 17,225 | | | | | | | |
| | ECCS46 | 7 | 3-5/8 | 5-1/2 | 19,525 | | | | | | | |
| | ECCS47 | 7 | 3-5/8 | 7-1/8 | 21,820 | | | | | | | |
| | ECCS48 | 7 | 3-5/8 | 7-1/2 | 19,525 | | | | | | | |
| | ECCS525-4 | 3 | 5-1/4 | 3-5/8 | 7 | 8-1/2 | 14 | SWH3 | 14 | SWH3 | 23,445 | 7,205 |
| | ECCS525-6 | 3 | 5-1/4 | 5-1/2 | | | | | | | 28,665 | |
| | ECCS525-8 | 3 | 5-1/4 | 7-1/2 | | | | | | | 31,950 | |
| | ECCS57 | 7 | 5-3/8 | 7-1/8 | | | | | | | 32,730 | |
| | ECCS64 | 7 | 5-1/2 | 3-5/8 | 7 | 8-1/2 | 14 | SWH3 | 14 | SWH3 | 24,710 | 7,205 |
| | ECCS66 | 7 | 5-1/2 | 5-1/2 | | | | | | | 30,355 | |
| | ECCS67 | 7 | 5-1/2 | 7-1/8 | | | | | | | 30,680 | |
| | ECCS68 | 7 | 5-1/2 | 7-1/2 | | | | | | | 30,680 | |
| | ECCS74 | 3 | 6-7/8 | 3-5/8 | 7 | 8-1/2 | 14 | SWH3 | 14 | SWH3 | 28,840 | 7,205 |
| | ECCS76 | 3 | 6-7/8 | 5-1/2 | | | | | | | 37,655 | |
| | ECCS77 | 3 | 6-7/8 | 6-7/8 | | | | | | | 37,655 | |
| | ECCS78 | 3 | 6-7/8 | 7-1/2 | | | | | | | 37,655 | |
| | ECCS71-4 | 3 | 7-1/4 | 3-5/8 | 7 | 8-1/2 | 14 | SWH3 | 14 | SWH3 | 29,650 | 7,205 |
| | ECCS71-6 | 3 | 7-1/4 | 5-1/2 | | | | | | | 37,050 | |
| | ECCS71-71 | 3 | 7-1/4 | 7-1/4 | | | | | | | 39,050 | |
| | ECCS71-8 | 3 | 7-1/4 | 7-1/2 | | | | | | | 39,050 | |
| | ECCS84 | 7 | 7-1/2 | 3-5/8 | 7 | 8-1/2 | 14 | SWH3 | 14 | SWH3 | 31,275 | 7,205 |
| | ECCS86 | 7 | 7-1/2 | 5-1/2 | | | | | | | 39,260 | |
| | ECCS88 | 7 | 7-1/2 | 7-1/2 | | | | | | | 41,835 | |
| | ECCS94 | 7 | 8-7/8 | 3-5/8 | | | | | | | 35,275 | |
| | ECCS96 | 7 | 8-7/8 | 5-1/2 | 7 | 8-1/2 | 14 | SWH3 | 14 | SWH3 | 44,760 | 7,205 |
| | ECCS98 | 7 | 8-7/8 | 7-1/2 | | | | | | | 48,810 | |
| | ECCS106 | 7 | 9-1/2 | 5-1/2 | | | | | | | 48,050 | |

NOTES:

1. Refer to page 73 for structural wood screw SWH3 (1/4" x 3") details.
 2. Allowable uplift loads are provided for load duration factor (C_D) of 1.6. No further increase is permitted.
- *Allowable loads per NDS calculations, call QT for code approval information.

Post Caps

PCS/PCES SERIES

PRODUCT FEATURES:

PCS and PCES are post caps and end post caps used for post-to-beam connection applications.

MATERIAL:

PCS/PCES – 18 Gauge

COATING:

Galvanized (G185)

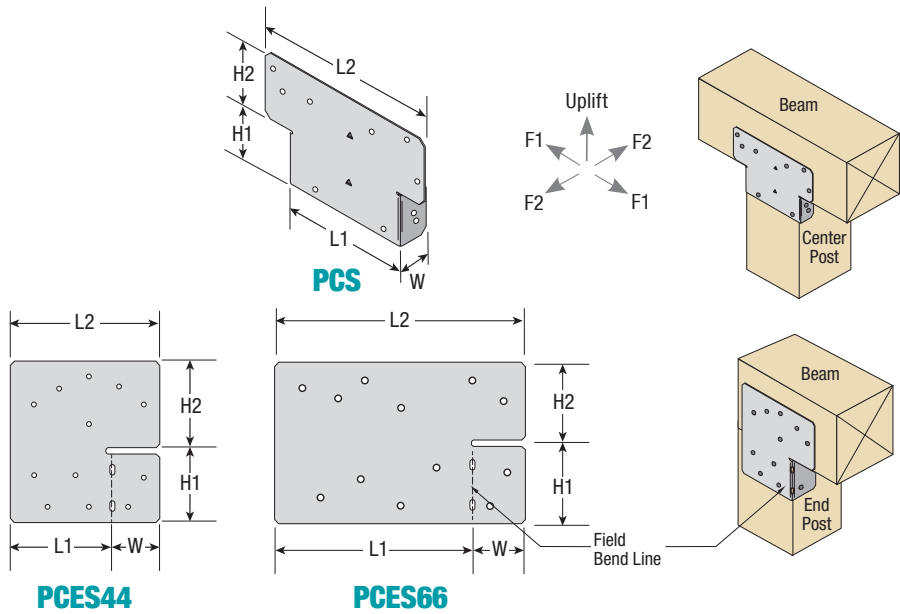


INSTALLATION:

- Use all specified fasteners in schedule to achieve values indicated.

CODE COMPLIANCE:

TER 0910-01, FL 3557



ALLOWABLE LOADS FOR PCS/PCES (LB)^{1,2}

| Part Name | Part No. | Dimensions | | | | | Fasteners Per Pair of Post Caps | | Allowable Loads (lb) Per Pair of Post Caps (C _D = 1.6) | | | | | | |
|-----------|----------|-------------|--------------|-------|--------|-------|---------------------------------|----------|---|-----------|--------|-------------|--------|-----------------|--------|
| | | Width (in.) | Length (in.) | | Height | | Nail Size | Quantity | | SP (0.55) | | DF-L (0.50) | | HF/S-P-F (0.42) | |
| | | | W | L1 | L2 | H1 | | H2 | Beam | Post | Uplift | F1 | Uplift | F1 | Uplift |
| PCS | PCS44 | 1-3/8 | 3-9/16 | 6-1/4 | 2-5/8 | 2-7/8 | 16d Common (0.162 x 3.5") | 12 | 12 | 2,935 | 2,175 | 2,295 | 1,950 | 2,295 | 1,870 |
| | PCS44R | 1-1/2 | 4 | 7 | | | | | | | | | | | |
| | PCS66 | 1-1/4 | 5-1/2 | 8 | | | | | | | | | | | |
| | PCS66R | 1-1/2 | 6 | 9 | | | | | | | | | | | |
| PCES | PCES44 | 1-1/2 | 3-1/4 | 4-3/4 | 2-3/8 | 2-3/4 | 16d Common (0.162 x 3.5") | 12 | 12 | 1,955 | 1,500 | 1,800 | 1,220 | 1,550 | 1,090 |
| | PCES66 | 1-1/2 | 5-1/2 | 7 | 2-3/8 | 2-1/8 | 16d Common (0.162 x 3.5") | 12 | 12 | 1,645 | 1,205 | 1,520 | 925 | 1,310 | 835 |

NOTES:

- Allowable loads and fastener size/quantity provided are for a pair of post caps and end post caps.
- Allowable loads are provided for a load duration factor (C_D) of 1.6. No further increase is permitted.

TENSION-COMPRESSION STRAPS (TCS)

PRODUCT FEATURES:

Tension-Compression Straps (TCS) are connectors designed to bridge/repair discontinuous wood members (i.e. top plates, studs, trusses, etc.) by transferring axial loads from one member to the other connected member. TCS18-3Z strap may span gaps up to 4-1/2" and the TCS20-3Z may span gaps up to 6". Both straps have a nominal width of 1-1/2" which allows installation on the narrow face of nominal 2x wood members.

MATERIAL:

TCS - 14 ga

COATING:

Galvanized (G185)

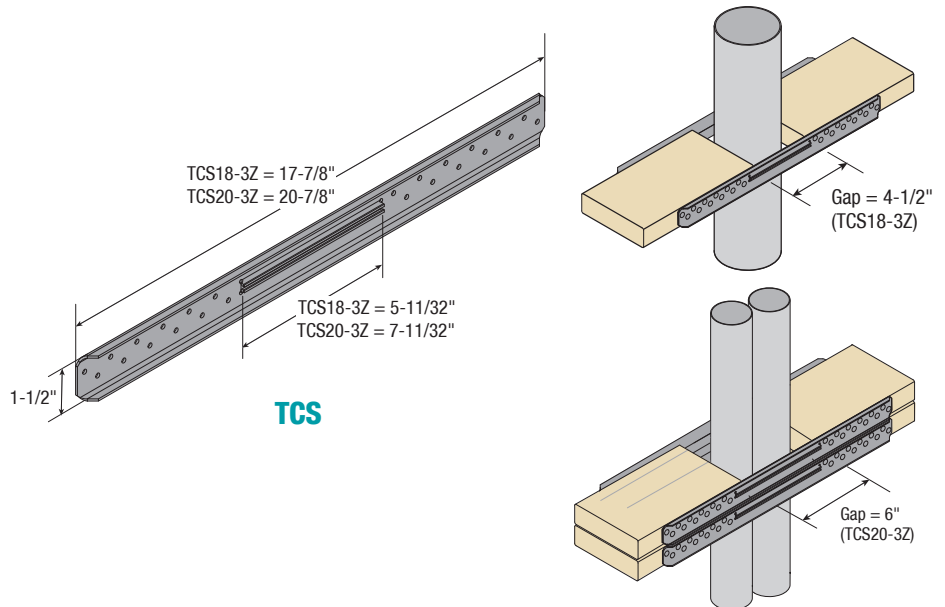


INSTALLATION:

- Use all specified fasteners in schedule to achieve values indicated.

CODE COMPLIANCE:

TER 0910-01, FL 3557



TENSION-COMPRESSION STRAPS - ALLOWABLE COMPRESSION AND TENSION VALUES

| Part No. | Installed On | Number of Straps | Fasteners Per Strap | | Allowable Loads (lb) ¹ (C _D = 1.6) | | | |
|----------|--------------|------------------|------------------------------|-----|--|---------|-------------|---------|
| | | | Type | Qty | SP/DF-L | | HF/SPF | |
| | | | | | Compression | Tension | Compression | Tension |
| TCS18-3Z | One Side | 1 | 10d x 1-1/2" (0.148 x 1.50") | 24 | 1,270 | 2,465 | 1,100 | 2,130 |
| | | 2 | | | 2,330 | 4,930 | 2,015 | 4,265 |
| TCS20-3Z | Two Sides | 2 (total) | | | 2,330 | 4,930 | 2,015 | 4,265 |
| | | 3 (total) | | | 3,600 | 7,390 | 3,115 | 6,395 |
| | | 4 (total) | | | 4,660 | 9,855 | 4,030 | 8,530 |

NOTES:

- Allowable loads are provided for a load duration factor (C_D) of 1.6. No further increase is permitted.