

Post Beam Cap

The CDPB post beam cap secures wood posts to a wood beam. Eliminates the need for toe-nailing a wood beam to a post or column.

MATERIAL SPECIFICATIONS

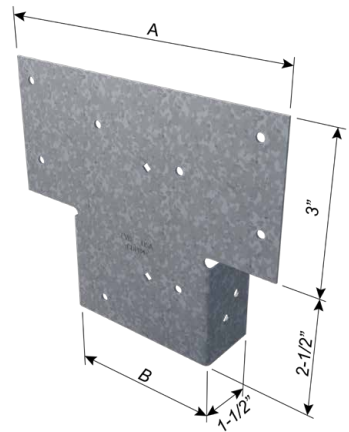
- Gauge: 18ga (43mil)
- Design Thickness: 0.0451 inches
- Coating: G90 (Z275) hot-dipped galvanized coating (G185 available)
- Yield Strength: Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

PRODUCT DIMENSIONS

- Post Size: 4x
- Overall Width (A): 6-7/16"
- Post Width (B): 3-9/16"

CODE REPORT

- DrJ Engineering LLC TER-2211-03



Post Beam Cap (CDPB4)

| Load Orientation | Fasteners | | | | Allowable Loads (lbs) | | | | | |
|------------------|----------------------|-------------------------|----------------------|-------------------------|--|-----------------------|--|-----------------------|--|-----------------------|
| | Post | | Beam | | Spruce Pine-Fir (0.42 Specific Gravity) | | Douglas Fir-Larch (0.50 Specific Gravity) | | Southern Pine (0.55 Specific Gravity) | |
| | Fastener | Qty | Fastener | Qty | C _D = 1.00 | C _D = 1.60 | C _D = 1.00 | C _D = 1.60 | C _D = 1.00 | C _D = 1.60 |
| Uplift | 0.162" x 3-1/2" Nail | 8 (4 per connector) | 0.162" x 3-1/2" Nail | 8 (4 per connector) | 675 | 710 | 1040 | 1100 | 1210 | 1395 |
| Lateral (F1) | | | | | 1160 | 1160 | 1115 | 1160 | 960 | 1005 |
| Uplift | | 14 (7 per connector) | | 14 (7 per connector) | 1180 | 1215 | 1820 | 1875 | 2115 | 2380 |
| Lateral (F1) | | | | | 1270 | 1270 | 1475 | 1475 | 1550 | 1550 |
| Uplift | #9 x 3" Screw | 8 (4 per connector) | #9 x 3" Screw | 8 (4 per connector) | 620 | 995 | 960 | 1535 | 1220 | 1950 |
| Lateral (F1) | | | | | 1105 | 1410 | 1285 | 1445 | 1395 | 1455 |
| Uplift | | 14 (7 per connector) | | 14 (7 per connector) | 1085 | 1740 | 1680 | 2685 | 2130 | 3410 |
| Lateral (F1) | | | | | 1515 | 1515 | 1760 | 1760 | 1905 | 1905 |

- Notes:**
- For SI: 1 inch = 25.4 mm, 1 pound (lb) = 4.45 N
 - 1 Allowable loads shall be selected based on the load duration as permitted by the applicable building code.
 - 2 Lateral F₁ direction is parallel to beam. (see illustration)
 - 3 CDPB4 post beam caps must be installed in pairs.

