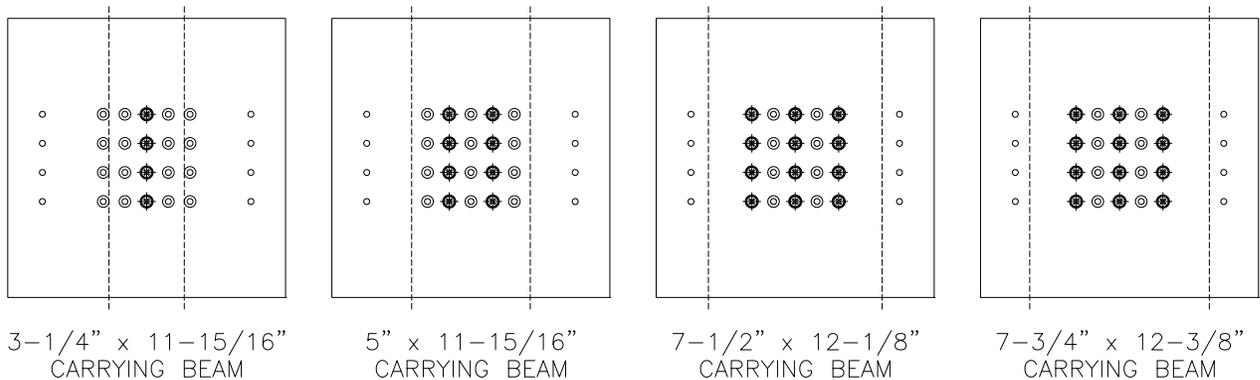


# Intex Engineered Pergola System Adapter to Mount Carrying Beams to Hollow Structural Columns Installation Instructions

## 1. Carrying Beam Installation, Threaded Rod / Hollow Column Adapter Bracket

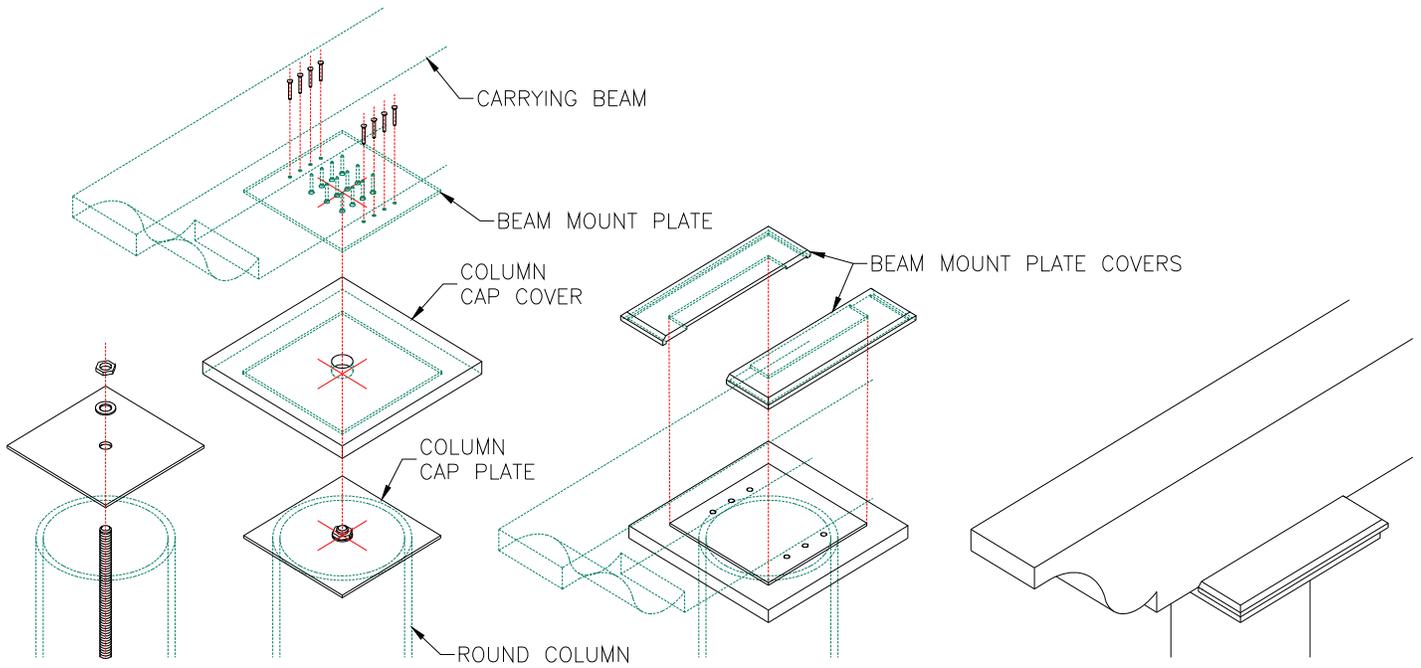
- a. Install the hollow structural columns per the manufacturer's instructions. Please note that the Intex Engineered Pergola adapter bracket requires a full length, centrally located, threaded rod for attachment. If a central rod is not a part of the column manufacturer's mounting method, one will have to be installed in addition. Use an anchoring method similar to Simpson's Epoxy-Tie™.
- b. Determine whether the Column Cap Plate (ref **Figure 2**) will be mounted on top of column, or on top of column capitol. The threaded rod should be this height, plus 1-1/8" for mounting the Column Cap Plate.
- c. Place the Column Cap Plate over the threaded rod, and secure with a washer and hex nut. Make sure the Column Cap Plate is positioned so that it will be aligned with the Carrying Beams.
- d. Measure the center to center distance of the hollow columns. Mark this distance on the underside of the Carrying Beam so the ends of the beam will extend an equal distance beyond the supporting columns.
- e. Center a Beam Mount Plate at these locations and drill 1/8" pilot holes at the locations shown in figure below. The quantity and location of the holes is determined by the width of the Carrying Beam. **Figure 1**
- f. Mount the Beam Mount Plates to the underside of the Carrying Beam (**Figure 3**) using 1/4" X 2" long flat head self-tapping stainless steel screws.

**Figure 1**

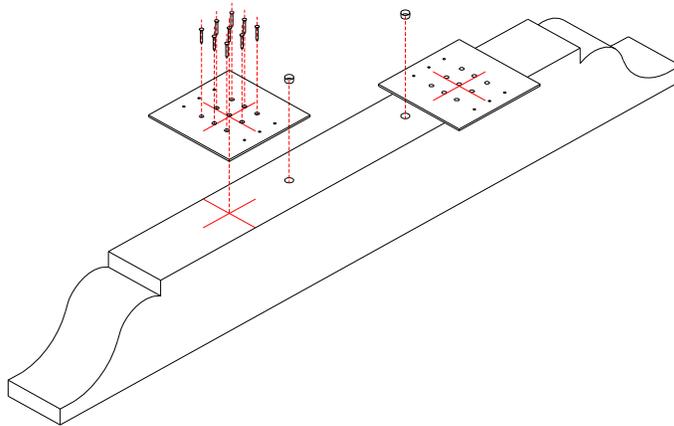


- g. Measure the width of the capitol. Divide this in half and add 2 inches. Starting from the marks created in **Step 2d**, create two new marks at this distance, toward the center of the beam.
- h. Drill 1.00" holes through the PVC of the Carrying Beam at the two locations determined in **Step 2f**, being careful not to drill through the aluminum reinforcement. (**Figure 3**) Insert Drain Plugs provided at these locations.
- i. Place a PVC Column Cap Cover on top of each Column Cap Plate. The Column Cap Plate should fit into a recess in the bottom of the Column Cap Cover.
- j. Place the completed Carrying Beam assembly on top of the corresponding hollow columns, and align to the Column Cap Covers.
- k. Drill 1/8" pilot holes into the Column Cap Cover and the Column Cap Plate through the (6) holes in the Beam Mount Plate.
- l. Mount the Carrying Beam assembly to the hollow columns using (8) 1/4" X 2" long flat head self tapping stainless steel screws.
- m. Trim and attach the Beam Cap Plate Covers as shown. The Beam Cap Plate should fit into a recess in the bottom of the Beam Cap Plate Covers. Secure the Beam Cap Plate Covers in place with epoxy or screws.
- n. If this is a Freestanding Pergola, repeat these steps and mount the other Carrying Beam assembly.

**Figure 2**

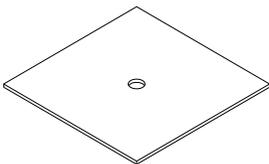


**Figure 3**

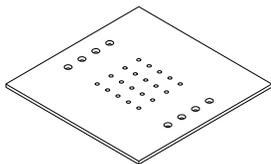


**Components for Threaded Rod Mounting Option**

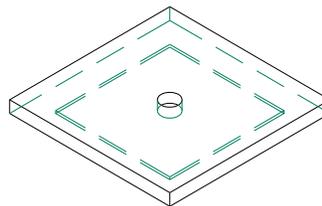
Column Cap Plate, Beam Mount Plate, Column Cap Cover and Beam Mount Plate Covers ship as a unit including (20) 1/4" X 2" Flat Head Self Tapping Stainless Steel Screws



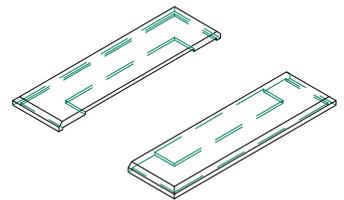
Column Cap Plate



Beam Mount Plate



Column Cap Cover



Beam Mount Plate Covers