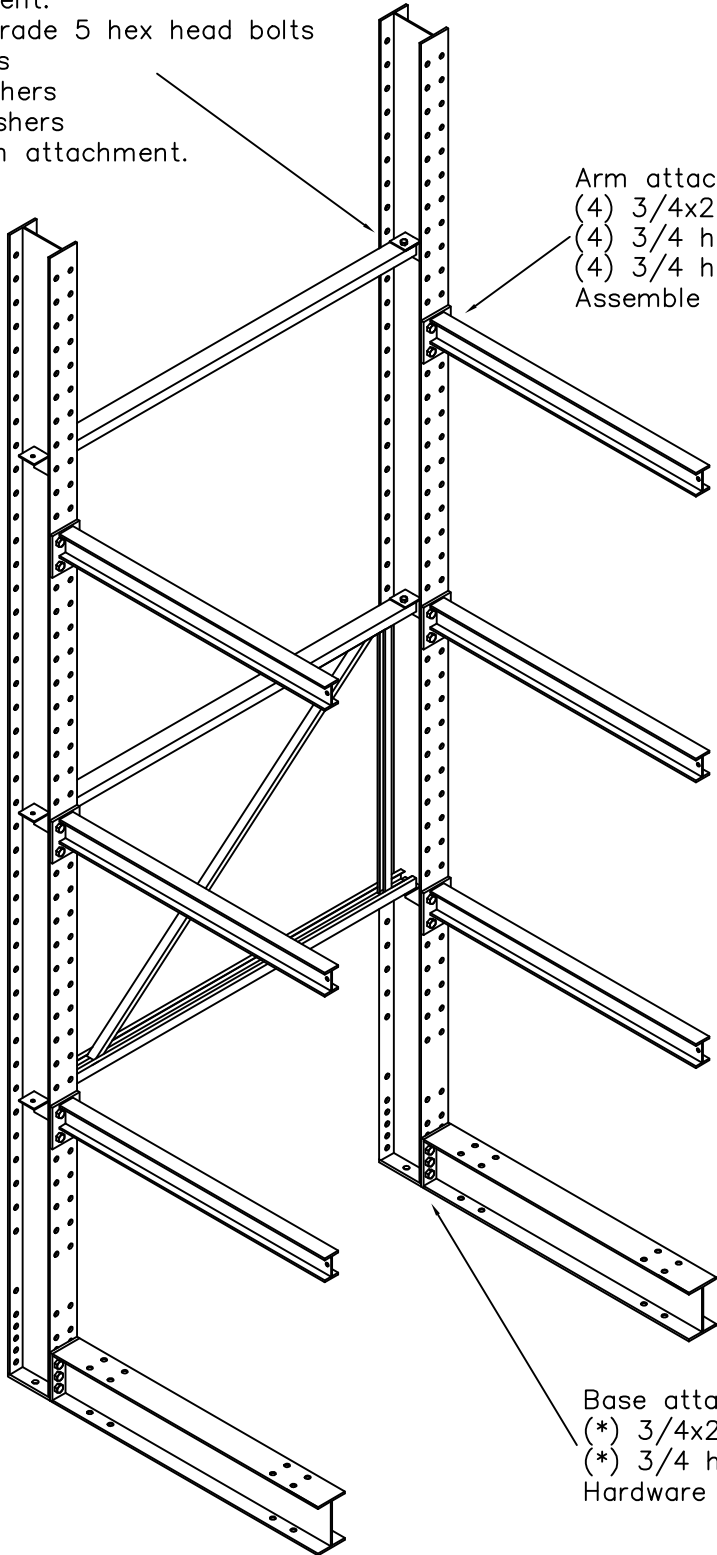


# CANTIBEAM INSTRUCTIONS

Bracing attachment:  
(1) 1/2x1 1/2 grade 5 hex head bolts  
(1) 1/2 hex nuts  
(1) 1/2 flat washers  
(1) 1/2 lock washers  
Required at each attachment.

Arm attachment:  
(4) 3/4x2 grade 5 hex head bolts  
(4) 3/4 hex nuts  
(4) 3/4 hardened flat washers  
Assemble flat washers to front of arm.



Base attachment:  
(\* ) 3/4x2 grade 5 hex head bolts  
(\* ) 3/4 hex nuts  
Hardware required in each hole of base.

# Instructions for Cant-I-Beam Cantilever

## Step 1

Assemble bases and arms to columns with  $\frac{3}{4}$ " x 2" grade 5 hex bolts and nuts, and tighten to 250 foot-pounds of torque. Each hole in base plate requires a bolt and nut. No washers are required for base plate attachment. Each arm requires: (4)  $\frac{3}{4}$ " x 2" grade 5 hex bolts, (4)  $\frac{3}{4}$ " nuts, (4)  $\frac{3}{4}$ " hardened flat washers. Hardened washers are used on the front side of the arm. Arms should be at some predetermined 4" vertical incremental location and these levels should be held so arms will line up after installed. If double sided columns are required install base and arms on other side of column.

## Step 2

Only hand tighten for now, bolt vertical brace panels using (4)  $\frac{1}{2}$ "x1  $\frac{1}{2}$  grade 5 hex bolts, (4)  $\frac{1}{2}$  nuts, (4)  $\frac{1}{2}$ " flat washers, (4)  $\frac{1}{2}$ " lock washers. If required bolt horizontal brace with (2)  $\frac{1}{2}$ "x1  $\frac{1}{2}$  grade 5 hex bolts, (2)  $\frac{1}{2}$  nuts, (2)  $\frac{1}{2}$ " flat washers, (2)  $\frac{1}{2}$ " lock washers.

## Step 3

Stand up assembled unit, position, shim and plumb columns. Now tighten all bolts on vertical brace panels and/or horizontal braces, after assembly is plum and on desired column centers.

## Step 4

Fill rest of row by adding columns and brace panels and/or horizontal braces. Repeat positioning, shimming and plumbing procedures before tightening bolts.

## Step 5

Anchor columns to floor using minimum  $\frac{5}{8}$  diameter wedge type anchors. (1) per column and (2) per base.

Note: Many manufactures of electric impacts have units capable of the required torque. We recommend Black and Decker model #2225 will provide enough torque to easily satisfy the requirements.