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V.2016.1

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<th>Product</th>
<th>Racking</th>
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<td>Sub-product</td>
<td>Cantilever Rack Roofing System</td>
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- Easy to install on either single or double sided racking units

- Galvanized finish for a durable product.

- Always refer to the installation drawings and specific installation instructions included with your project.
**STEP 1**
**WOOD BEAM**
For smaller column spacing, you may use continuous wood beam to cover more than one span. When column spacing is too wide to use a continuous beam, cut the wood beam so it’s centered on the welded bracket. Always have the beam sitting on top of the bracket.

*** ALWAYS USE A CONTINUOUS BEAM AT THE END OF EACH CANTILEVER ROW FOR A STURDIER ROOF INSTALLATION.***

*** REFER TO THE APPROVAL DRAWINGS FOR WOOD BEAM DIMENSION AND LENGTH.***

**TOP VIEW**

1/2 THE SPAN BESIDE, TO A MAXIMUM OF 24”
Complete each cantilever rack row by extending a continuous wood beam on both end.

Max δ'
If wider than δ’, contact a Cogan representative at 1-800-567-2642
STEP 1a
WOOD BEAM

Drill holes in the wood prior to bolting the beam to the welded bracket.

*** REFER TO THE APPROVAL DRAWINGS FOR WOOD BEAM DIMENSION AND LENGTH.

When using continuous wood beam, attach the beam by bolting in diagonal as shown below.

≥3/8”x2 1/2” carriage bolt
2x per bracket

When joining 2 wood beams on the same bracket, center them in the bracket and bolt twice each beam as shown below.

≥3/8”x2 1/2” carriage bolt
4x per bracket
STEP 2
STEEL DECK OVERLAY
Lay the steel deck on top of the wood beam. Follow the instructions below for single and double sided cantilever rack column.

SIDE VIEW
SINGLE SIDED COLUMN

Align steel deck overlay with the back of the column

Extend steel deck overlay with the back of the column ONLY if back panels are installed

SIDE VIEW
DOUBLE SIDED COLUMN

Align steel deck overlay centered on the column

6” extension
STEP 2a
STEEL DECK OVERLAY

Screw the steel deck overlay to each wood beam using waterproof hex head tek screw.

#8 x 1” waterproof hex head tek screw (with rubber seal)

Overlap each steel deck panel

For the top and bottom wood beam: to be tek screwed at every 6”

For the wood beams between the top and bottom beam: to be tek screwed at every 12”
STEP 3
ROOF TOP ANGLE (DOUBLE SIDED ONLY)

Screw the top angle over the steel deck overlay using waterproof hex head tek screw.

#8”x2” waterproof hex head tek screw (with rubber seal)

Tek screw every 24”

Always overlap the roof top angle when using more than one length