



## L-SHED

### Description

The shed system is an effective way of utilizing outdoor space while carefully storing material goods in a safe and efficient way. A steel deck roof provides adequate protection against snow, ice, rain and sun damage. The roof angle design allows rain to flow down easily and shields against harsh weather conditions. The system, including the column, roof arms, and rack arms, is painted Cogan. In order to account for local weather variances, Cogan cantilever roofs are always custom-manufactured for the specific system. The shed is available as an L-Shed or a T-shed. The L-Shed can be set up as a standalone single-sided column with the installation of back panels or set up flush against a wall. The T shed is a double-sided column with the roof extruding on both sides. The T-Shed is optimal for lumberyards. It allows for the easy storage of wood beams, plywood and any type of building materials. Items are clearly sorted and kept off the ground for fast access and inventory control. Protection from the elements means material will not warp or deteriorate from harsh weather conditions.



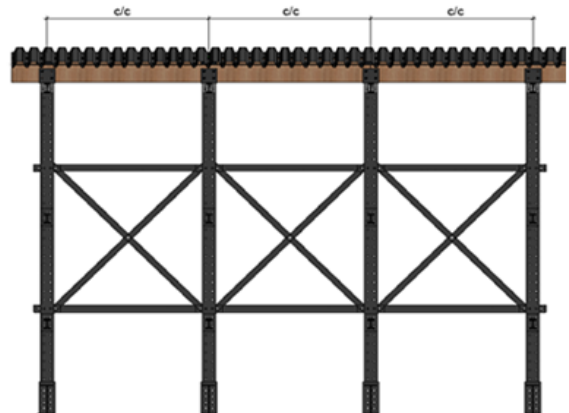
L SHED

## PRODUCT INFORMATION

The roof deck is made of galvanized steel which is screwed onto each wood beam with waterproof #8" x 1 3/4" hex head tek screw with a rubber seal. Each roof panel must overlap the previous one and must be screwed in accordingly. The L-Shed roof may be placed flush against a wall or can have the roof steel deck extend 6" but only if back panels are installed. The back panels are supported by 2"x 4" wood beams. The shed must extrude 6" from the edge of the rack arms for the L-shed.

### Specifications

Loads	Roof is designed to resist snow and wind loads
Installation Type	Flush against wall or with back panel
Slope	6° Inclination to the Horizontal
Roof Deck Material	Galvanized Steel with an additional protective white undercoat
Roof Support Material	Wood Studs (Refer to Approval Drawings for Wood Beam Dimensions and Length)
Steel Deck Connection	#8 x 1 3/4" Hex Head Tek Screw With Rubber Seal
Roof Arms	Structural S-Sections or W-Sections or Equivalent
Roof Arms	Meets and Exceeds ASTM A572 Grade 50 and /or CSA G40.21 350W
Connection Plates	Meets and Exceeds ASTM A36 44W


 White Undercoat  
 (Steel Deck- Roof  
 and Back)

 Treated Wood  
 (Roof Joist)

 Cogan Grey  
 (Columns, Bases and  
 Arms)

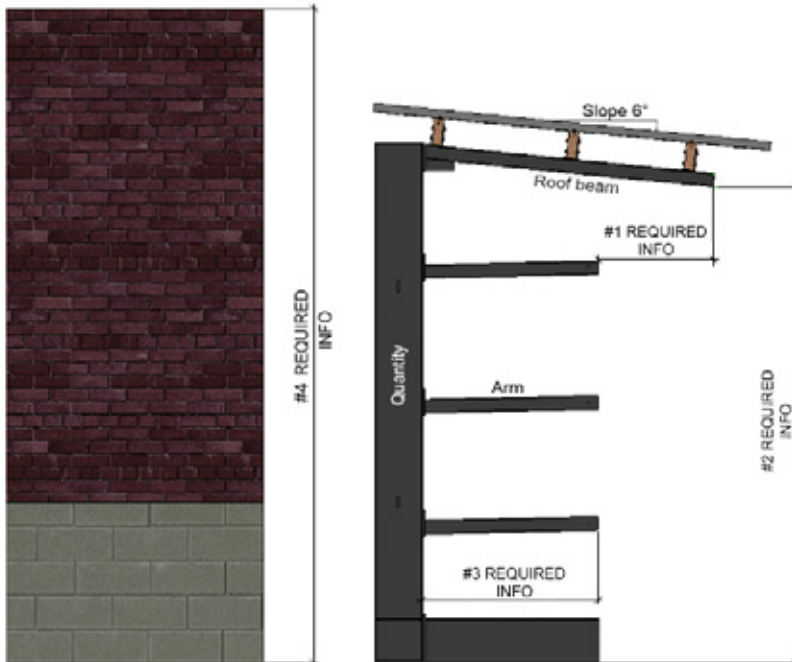
**VERY IMPORTANT:**

The Cantilever Rack (Base and Upright) Must be Anchored to a Concrete Slab in Order to Install an L-Shed



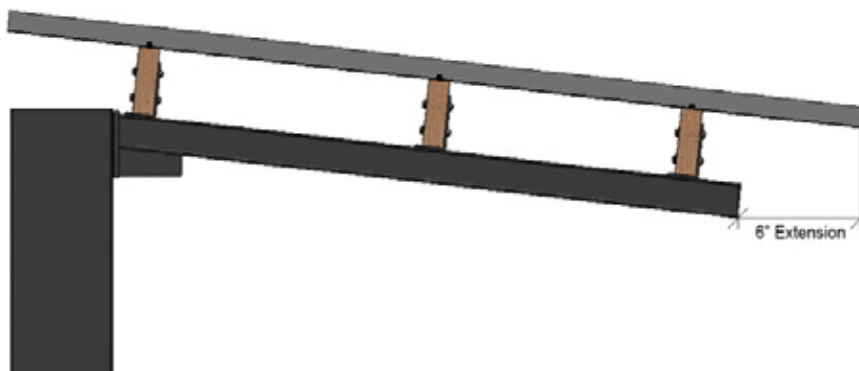
**DETAILS**

SIDE VIEW OF L-SHED  
INSTALL LOCATION: AGAINST A BUILDING



- #1 REQUIRED INFO Distance between front edge of cantilever arm and front edge of roof arms.
- #2 REQUIRED INFO Distance between Bottom edge of roof arm and cantilever base
- #3 REQUIRED INFO Length of cantilever arm
- #4 REQUIRED INFO Height of the Building

DETAIL OF L-SHED ROOF  
STEEL DECK ROOF ALIGNED WITH THE BACK OF THE COLUMN





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Since 1901



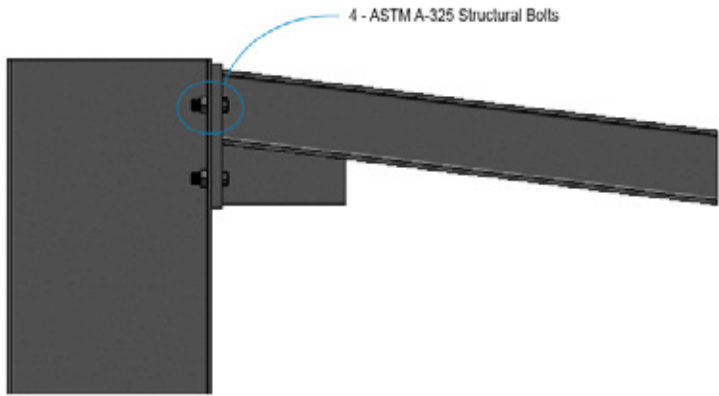
**Cantilever Racking**  
Store Any Size, Any Shape

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**L OR T SHED CANTILEVER  
RACKING**

## DETAILS

ROOF ARM DETAIL  
BOLT CONNECTION





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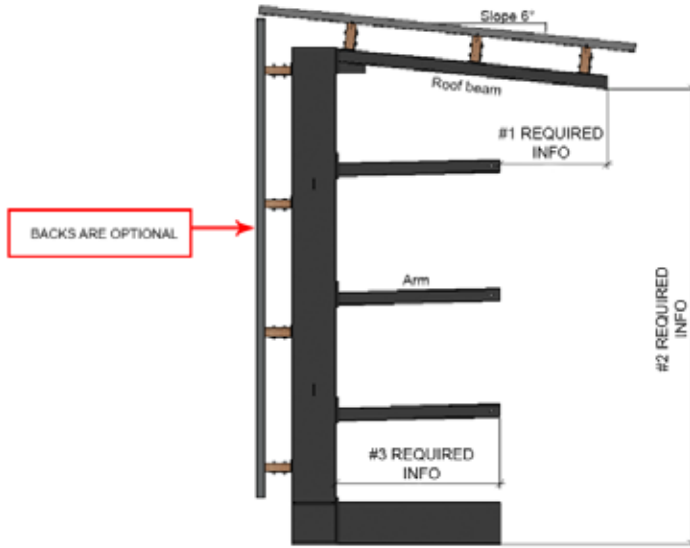


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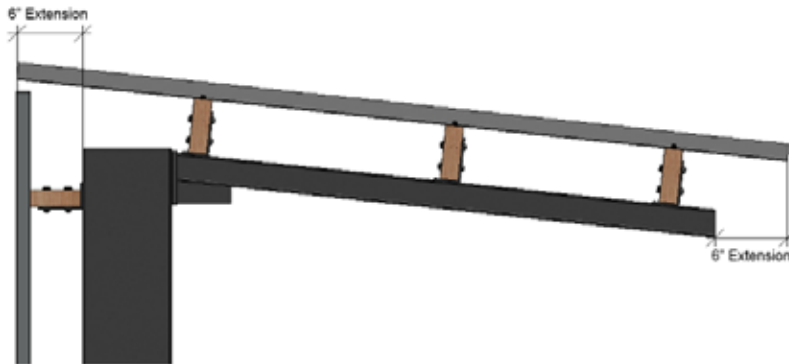
**L OR T SHED CANTILEVER  
RACKING**

## BACK PANEL



- #1 REQUIRED INFO Distance between front edge of cantilever arm and front edge of roof arms.
- #2 REQUIRED INFO Distance between Bottom edge of roof arm and cantilever base
- #3 REQUIRED INFO Length of cantilever arm

DETAIL OF L-SHED ROOF  
STEEL DECK ROOF WITH OPTIONAL BACK PROTECTION





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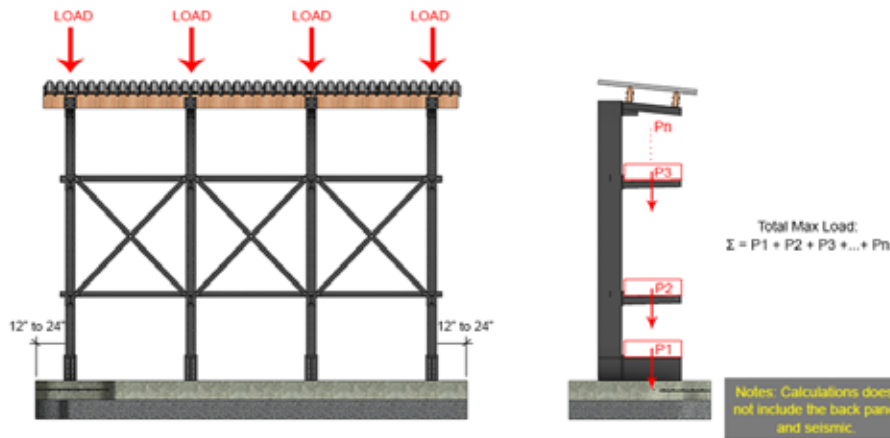
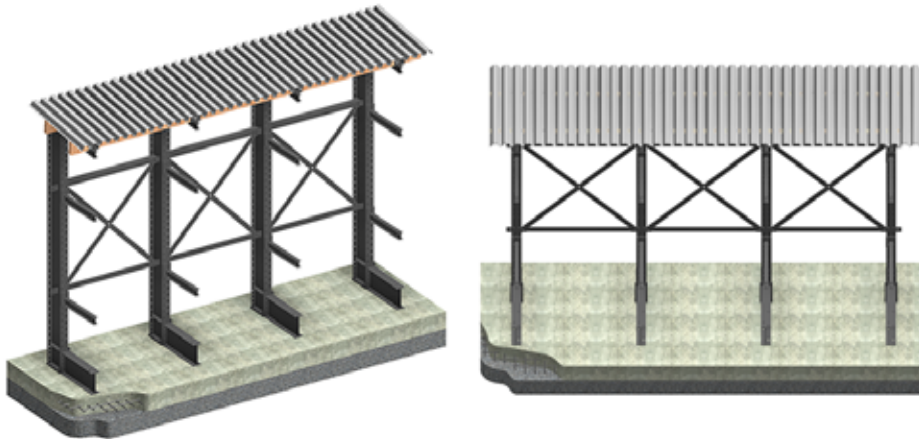


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**L OR T SHED CANTILEVER RACKING**

**CONCRETE SLAB EXAMPLE**



CONCRETE 'SLAB' EXAMPLE				
	TOTAL MAX. LOAD OF THE COLUMN			
	L = 2'	L = 3'	L = 4'	L = 5'
	13500 LBS	17250 LBS	21000 LBS	24500 LBS
	16000 LBS	20500 LBS	25000 LBS	28500 LBS

LOAD BEARING CAPACITY OF GROUND 2000 LBS/FT<sup>2</sup>

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