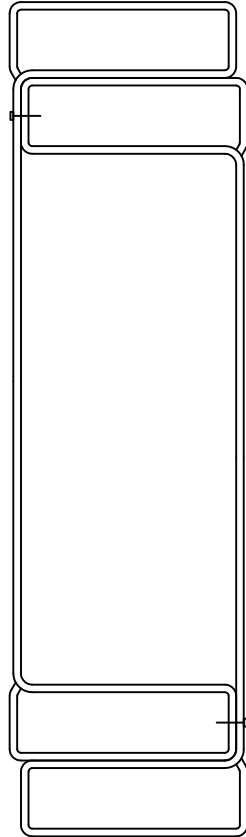


**NOTE:**

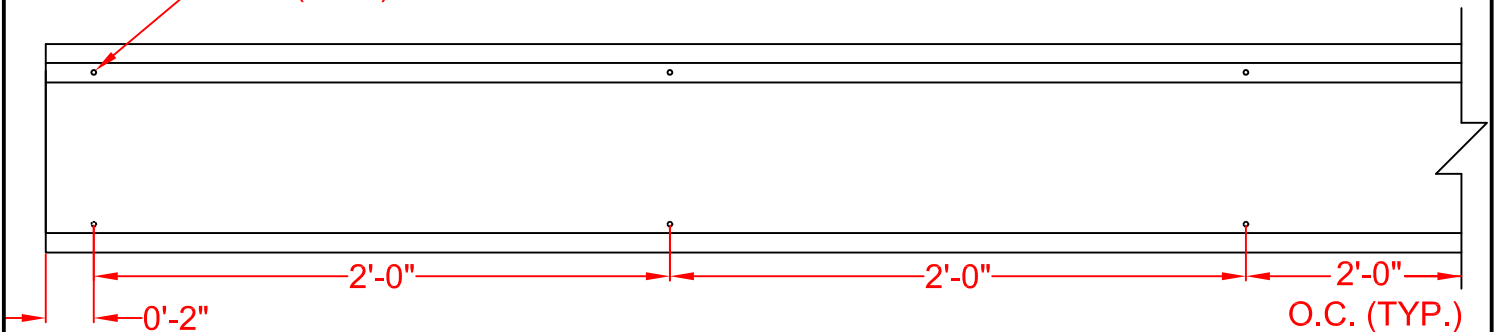
Screws are for stability only and are not meant to carry load or create composite action.



**Front View**

$6'' = 1'$

Use Self Drilling/Self Tapping Screws  
#10/#12 x 1" Depending on Gauge  
(TYP.)



**Side View**

$1\text{-}\frac{1}{2}'' = 1'$



Description:  
Nesting LSB

100 Smorgon Way  
P.O. Box 577  
Troutville, VA 24175  
www.litesteelbeam.com

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Toll Free: 877-285-2607  
Fax: 540-992-5998

Drawing: 09-007

Dwg Date: 3/6/2009

Rev: \_\_\_\_\_

Rev Date: \_\_\_\_\_

Drawn By: Newland

Eng: Moses

Mkg: Foxx



# TEK Screw Table - Steel to LSB

## Allowable Loads per Screw (lbs)

Tension	Design	Thickness of Attachment						
		134	118	98	79	59	45	35
	Minimum	127	112	93	75	56	43	33
	Gage	10	11	12	14	16	18	20
Screw	LSB Gage							
1/4	-134	615				505	395	
	-118	540						
	-098	450						
	-079	365						
	-059	270						
#12	-134	515			380	295		
	-118	455						
	-098	380						
	-079	305						
	-059	225						
#10	-134	470			380	295		
	-118	410						
	-098	340						
	-079	275						
	-059	205						

Shear	Design	Thickness of Attachment						
		134	118	98	79	59	45	35
	Minimum	127	112	93	75	56	43	33
	Gage	10	11	12	14	16	18	20
Screw	LSB Gage							
1/4	-134	860				455	355	
	-118							
	-098							
	-079							
	-059							650
#12	-134	665				380	300	
	-118							
	-098							
	-079							
	-059							600
#10	-134	465				345	270	
	-118							
	-098							
	-079							
	-059							

**NOTES:**

1. The maximum load is not to exceed the capacity of the LSB, attachment, or screws.
2. Allowable load values shown are the minimum values based on 2007 AISI NAS for both the connector and the connected material using Buildex TEK screws. Buildex TEK ultimate values can be found in the ITW Buildex 2009 Product Catalog.
3. Values for LSB and hangers 16 ga and thicker are based on members with a minimum yield strength of  $F_y = 50\text{ksi}$  and tensile strength of  $F_u = 65\text{ksi}$ . For hangers or attachments with thickness of 18 ga and thinner values are based on members with a minimum yield strength of  $F_y = 33\text{ksi}$  and tensile strength  $F_u = 45\text{ksi}$ .
4. A minimum of three threads must penetrate each member.



Description:  
Screw Chart - Steel to LSB

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Drawing: Attch. 1  
Dwg Date: 9/16/2009

Rev: \_\_\_\_\_  
Rev Date: \_\_\_\_\_

Drawn By: Newland  
Eng: Moses

Mkg: Foxx

