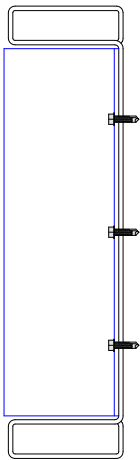


3 #10-24 x 3/4"
Buildex TEK® screws
with #3 drill point at
1/4 points of stiffener
-Larger screws may
be required for
thicker gages and
back to back
applications

NOTE:
Acceptable Screw Area
is Between 1/2" of
Bearing on
Both Sides



Side View - Cut Through Screws

N.T.S.

LSB Stiffener 1
Cut As Shown

LSB Stiffener 2
Used Elsewhere

Cut Along Line to
Make Web Stiffeners
Full Depth Makes 2
Stiffeners As Shown

Perspective

N.T.S.

⚠ Removed Note - See Detail 09-031 for loads
exceeding the following:

1400LSB350-134 - 10,800 lbs	1400LSB350-118 - 7,400 lbs	1400LSB350-098 - 4,200 lbs
1200LSB350-134 - 10,800 lbs	1200LSB350-118 - 7,400 lbs	1200LSB350-098 - 4,200 lbs
1000LSB300-118 - 8,900 lbs	1000LSB300-098 - 5,100 lbs	1000LSB300-079 - 2,600 lbs
800LSB250-098 - 6,300 lbs	800LSB250-079 - 3,300 lbs	800LSB250-059 - 1,300 lbs

LITESteel
technologies

Description:
Web Stiffener Detail

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

Office: 540-992-1600
Toll Free: 877-285-2607
Fax: 540-992-5998

Drawing: 09-003
Dwg Date: 2/24/2009

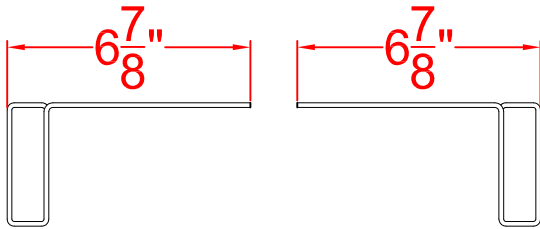
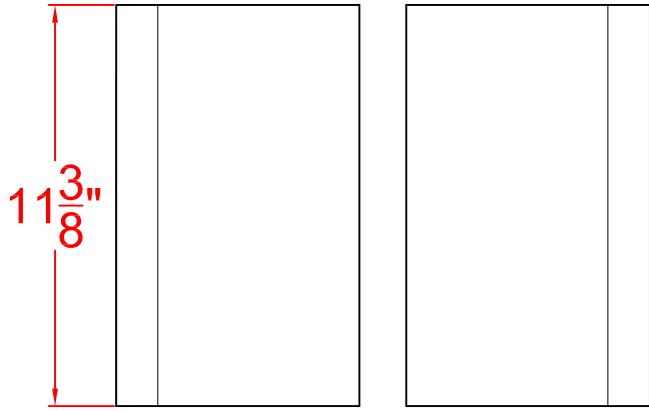
Rev: **⚠**

Rev Date: 7/29/2009
10/20/09

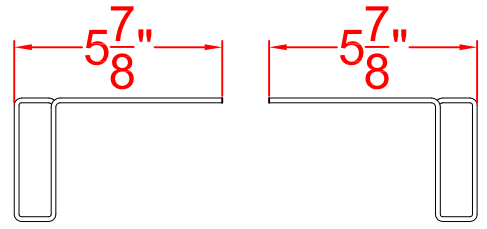
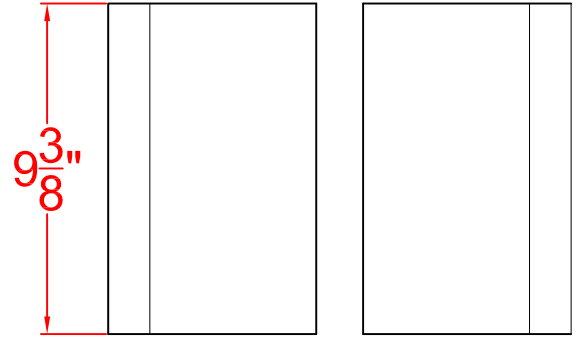
Drawn By: Newland
Eng: Moses

Mkg: Foxx

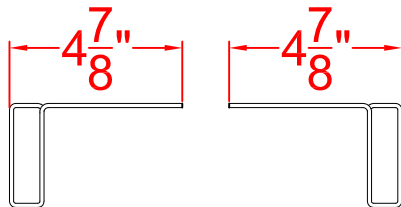
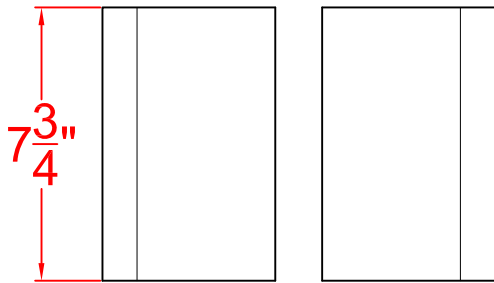
LSB
LiteSteelbeam



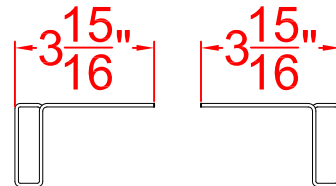
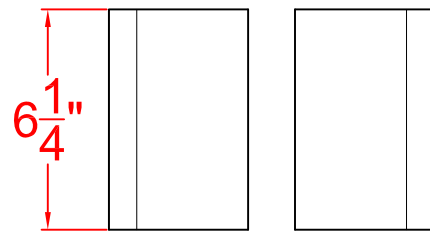
1400 Series



1200 Series



1000 Series



800 Series

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							
#12	-134	665					380	300
	-118							
	-098							
	-079							
	-059							
#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

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

Office: 540-992-1600
Toll Free: 877-285-2607
Fax: 540-992-5998

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

Rev: _____

Rev Date: _____

Drawn By: Newland
Eng: Moses

Mkg: Foxx

