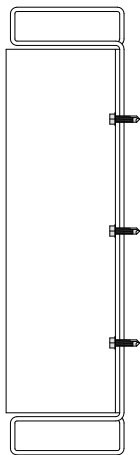


△ D

3 #12-24 x 3/4"
Buildex TEK® screws
with #3 drill point at
1/4 points of stiffener
-Larger drill points or
longer screws may be
required for thicker
gages and back to
back applications

NOTE: △ D
Screws must
be within
1/2" of bearing



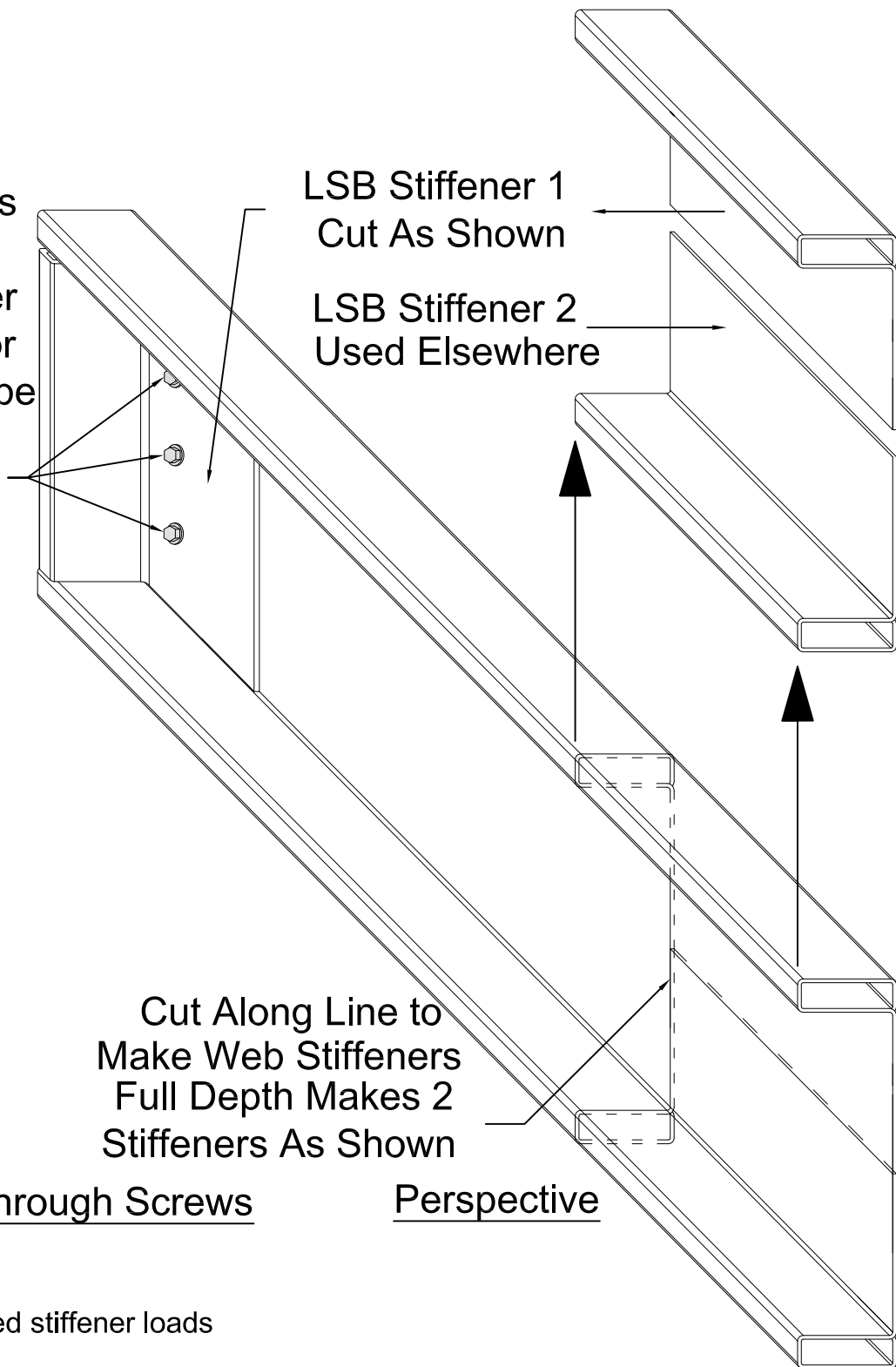
Side View - Cut Through Screws

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

LSB Stiffener 1
Cut As Shown

LSB Stiffener 2
Used Elsewhere

Perspective



- A - Added note
- B - Removed note and added stiffener loads
- C - Changed screw type
- D - Updated notes

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- All components should be selected & installed per the individual component manufacturers' instructions.
- LiteSteel Technologies is not responsible for the performance of components not manufactured by LiteSteel Technologies.



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Description:

Web Stiffener Detail

DRAWING NOT TO SCALE

Rev #: D

Rev Date: 01/31/2011

Drawn By: AWN

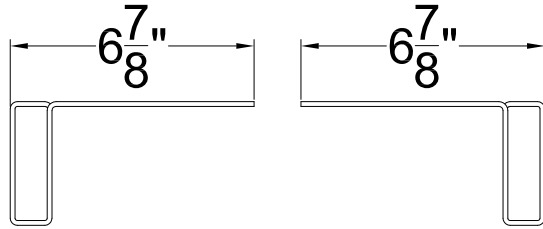
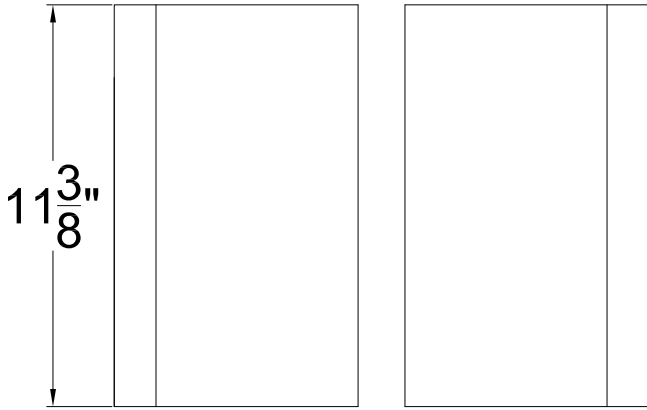
Checked By: JAM

Dwg #: 09-003

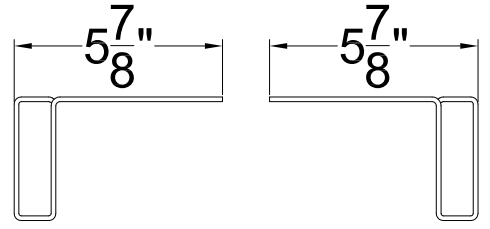
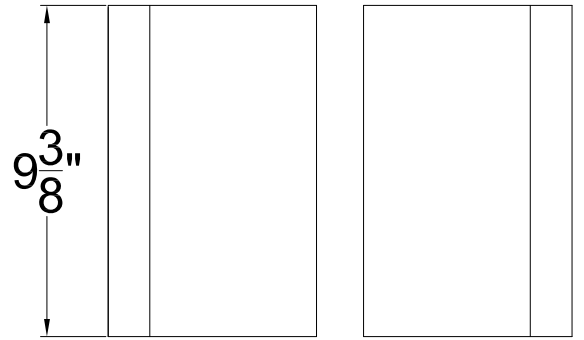
Dwg Date: 02/24/2009

Drawn By: AWN

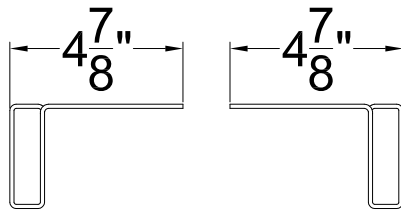
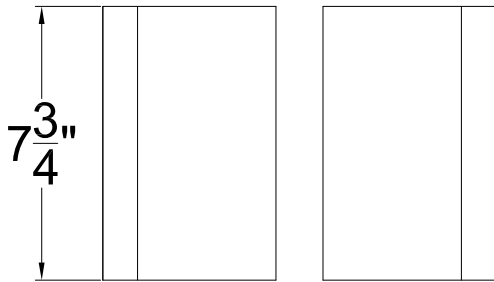
Checked By: JAM



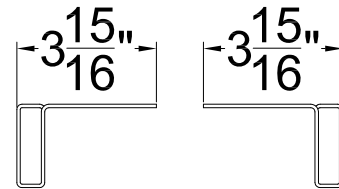
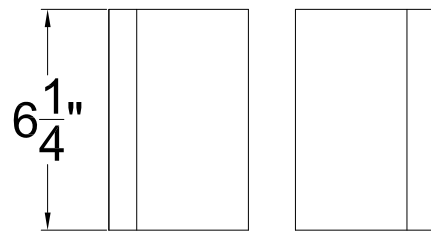
1400 Series



1200 Series



1000 Series



800 Series

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Description:
LSB Web Stiffener Dimensions

DRAWING NOT TO SCALE

Rev #: _____ - _____
Rev Date: _____ - _____
Drawn By: _____ - _____
Checked By: _____ - _____

Dwg #: 09-003
Dwg Date: 10/21/2009
Drawn By: AWN
Checked By: JAM

TEK Screw Table - Steel to LSB

Allowable Loads per Screw (lbs)

Tension	Design	Thickness of Attachment						
		134	118	98	79	59	45	35
	Minimum Gage	127	112	93	75	56	43	33
Screw	LSB Gage	10	11	12	14	16	18	20
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 Gage	127	112	93	75	56	43	33
Screw	LSB Gage	10	11	12	14	16	18	20
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.

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Description:

Screw Chart - Steel to LSB

DRAWING NOT TO SCALE

Rev #: _____ - _____

Rev Date: _____ - _____

Drawn By: _____ - _____

Checked By: _____ - _____

Dwg #: ATTCH.-1

Dwg Date: 09/16/2009

Drawn By: AWN

Checked By: JAM