



VIK 154

Date: 2-23-17

Model	Serial Numbers		Kit # Version
	Including	Excluding	
VX50-800	See Attached List		
VX30-800	See Attached List		
Mandatory ☒	Recommended ☐	Optional ☐	
Dealer Reference: Service Bulletin No. VSB 154			

PURPOSE: Add bracing to trailer to reduce deflection in side rails & tongue area.

SPECIAL TOOLS AND CONDITIONS:

- Grinder and Welding Machine

WARNING:

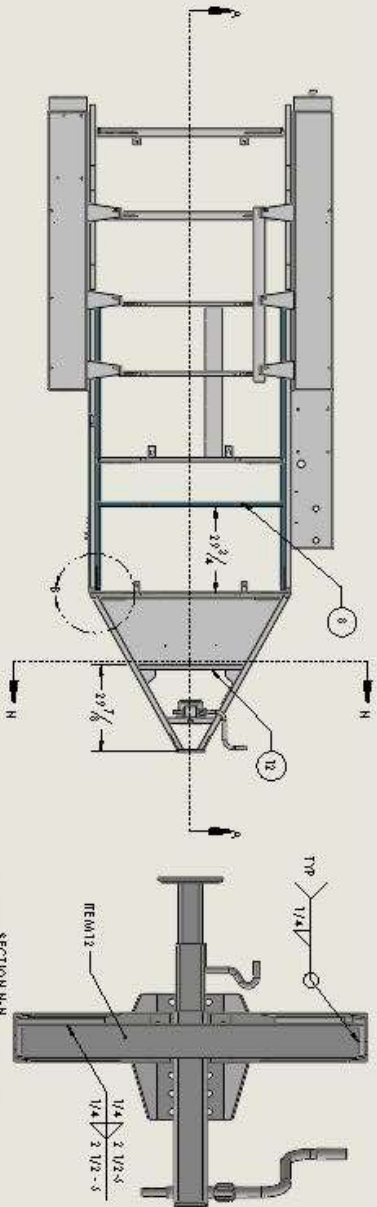
Turn off the machine before servicing.

STEP(s):

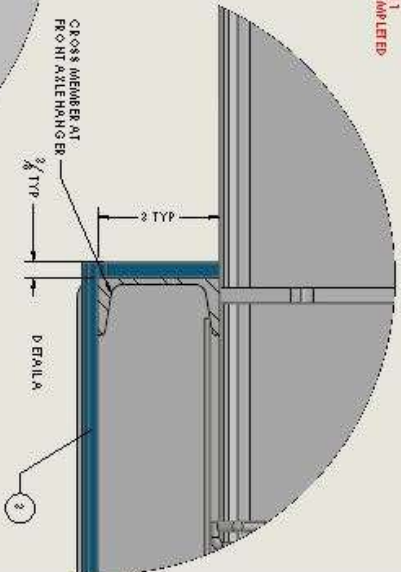
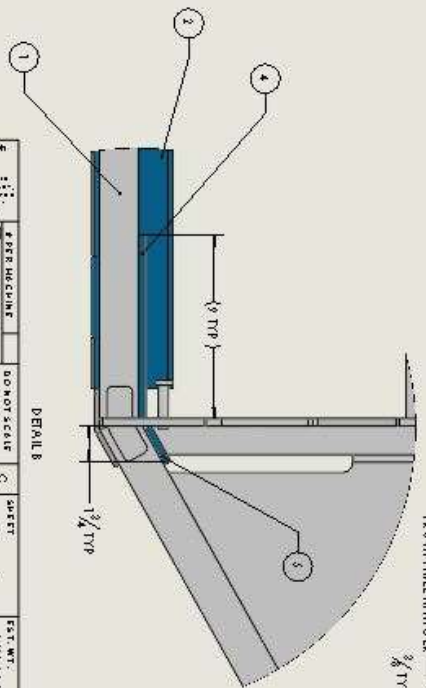
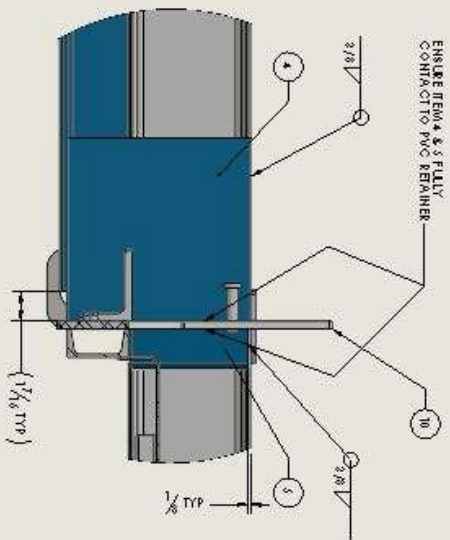
- 1) Disconnect Battery.
- 2) Remove suction hoses from storage tubes.
- 3) Loosen hose storage clamps from PVC storage tubes.
- 4) Remove PVC storage tubes on each side.
- 5) Remove remote drain lines plate from existing trailer.
- 6) Close ball valve for engine oil drain & coolant. Remove drain lines from drain plate.

Refer to MOD0012 in this bulletin for the following steps:

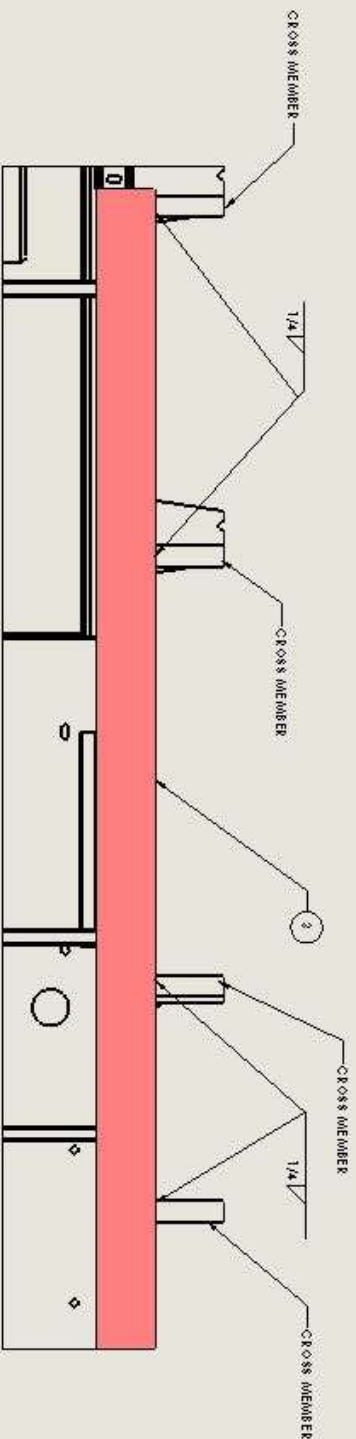
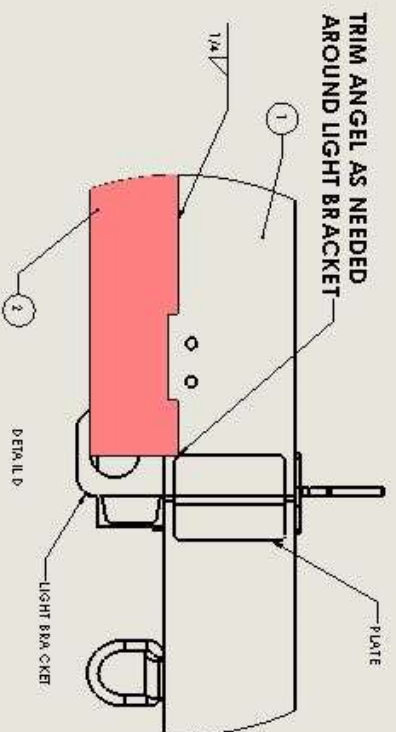
- 7) Grind all paint from area where welding will occur.
- 8) Install cross member Item 8 to specified location. Weld as described.
- 9) Install angle Item 2 See details A, D and E. Note trimming of angle length may be needed at light bracket detail D. Weld as described.
- 10) Install angle Item 3 See details A, D and E. Note trimming of angle length may be needed at light bracket detail D. Weld as described.
- 11) Install item 4 and 5 See details B and C. Weld as described.
- 12) Confirm all items in previous VSB/VIK 151 have been installed. Details for bulletin VSB/VIK 151 are included in this document.
- 13) Install remote drain decal, Item 11, as shown.
- 14) Install drain line connection fittings Items 6 & 7 as shown. Reconnect drain lines.
- 15) Open engine oil drain & coolant ball valves.
- 16) Verify proper quantity of all fluids.



SECTION N-N
THIS STEP IS INCLUDED IN VK13.1
OR REGARD IF THIS STEP HAS BEEN COMPLETED

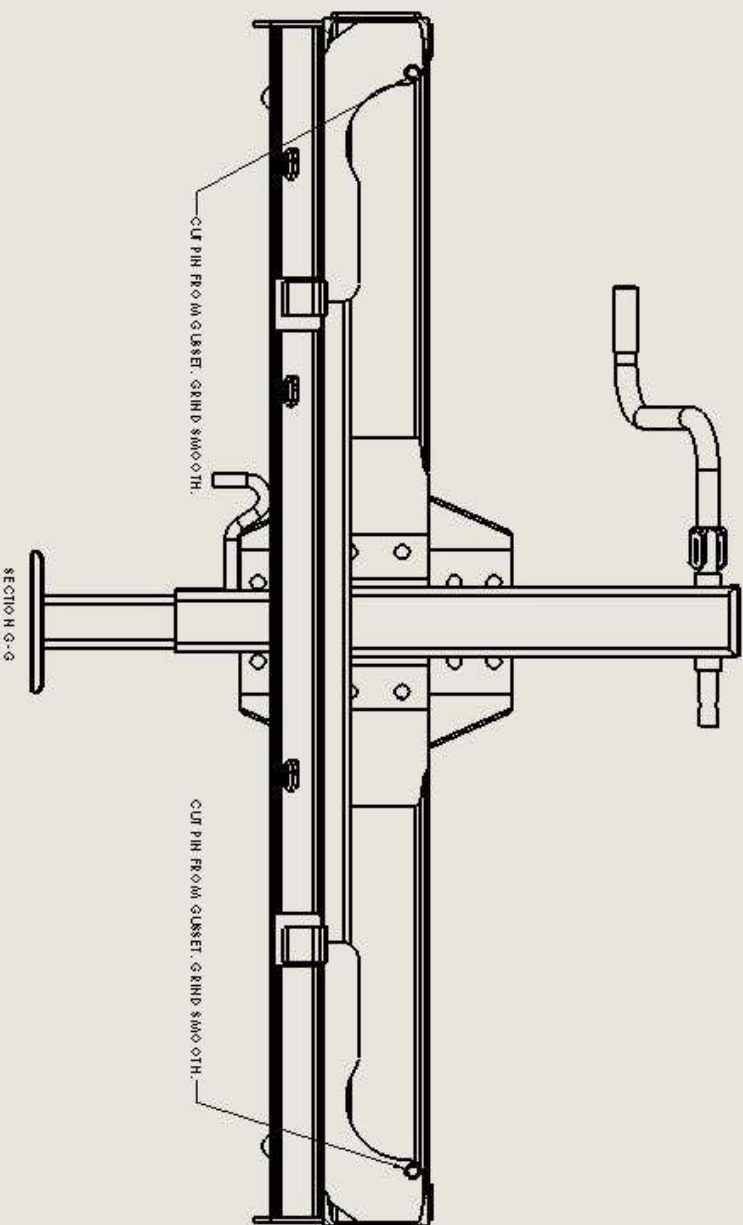
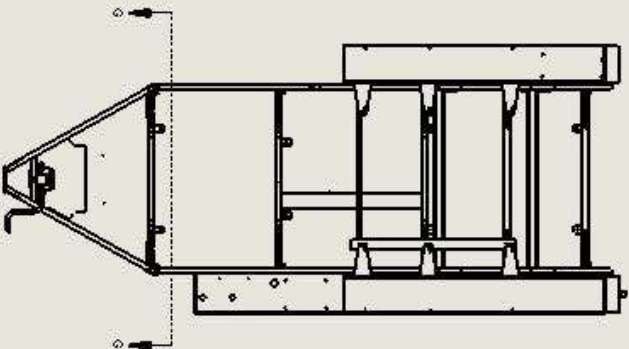


PROPRIETARY INFORMATION									
☐ PER MACHINE	☐ DO NOT SCALE	☐ SHEET	☐ EST. WT.	McLAUGHLIN GROUP, INC. 2006 PERIMETER RD. GREENVILLE, SC 29605 WELLMONT, VISCOS-BOD TRAILER FIELD REPAIR					
☐ PURCHASE	☐ BURN	☐ 2 OF 8	☐ DRAWN BY						
☐ CUT	☐ MACHINE	☐ MATERIAL	☐ DATE DRAWN						
☐ WELD	☐ FOUND OR DO NOT	☐ PREPARED BY	☐ Z22117						
☐ PAINT	☐ PAINT	☐ STANDARD INFORMATION	☐ TRAILER	McLAUGHLIN GROUP, INC. 2006 PERIMETER RD. GREENVILLE, SC 29605 WELLMONT, VISCOS-BOD TRAILER FIELD REPAIR					
☐ HEAT TREAT	☐ HEAT TREAT	☐ FRACTIONAL INFORMATION	☐ TD						
☐ CRIMP	☐ CRIMP	☐ COLOR	☐ MATERIAL						
☐ CRIMP	☐ CRIMP	☐ COLOR	☐ MATERIAL						
MOD00012				REV 0					



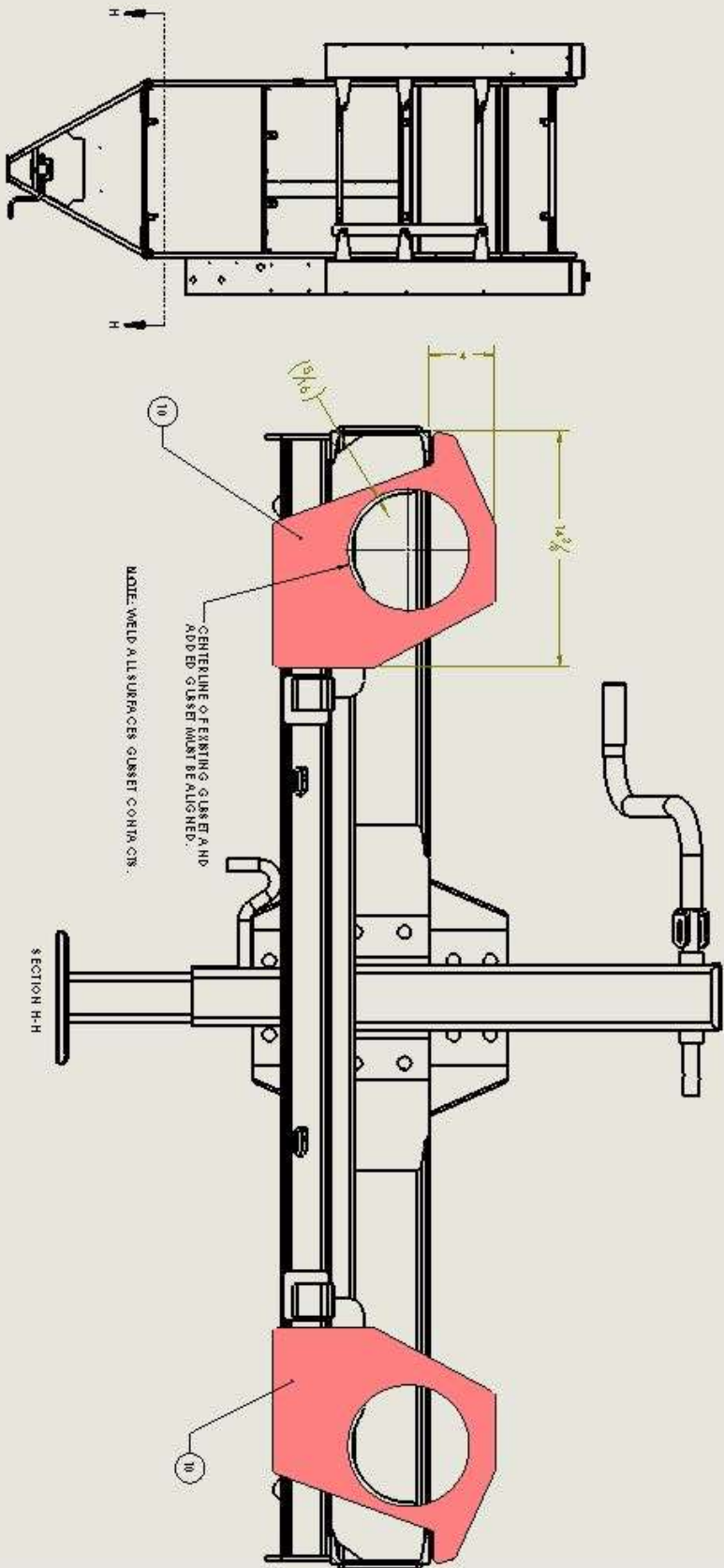
DETAIL E
(SEE DETAIL D FOR VIEW)

THE DRAWING IS THE PROPERTY OF MCLAUGHLIN GROUP, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR IN ANY MANNER USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF MCLAUGHLIN GROUP, INC.		PROPRIETARY INFORMATION	
PERM. INFO. BURN CUT MACHINE WELD POWDER COAT PRIME PAINT HEAT TREAT ZINC	DO NOT SCALE C DIMENSIONS UNLESS NOTED: ALL DIMENSIONS TO FACE UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS TO CENTER UNLESS OTHERWISE SPECIFIED HIDDEN TO SURFACES STANDARD TOLERANCES FRACTIONS: 1/16" - 1/8" DECIMALS: .005 - .060 ANGLES: 1° - 45° DIMENSIONS: 1" & 1"	SHEET 3 OF 8 NEXT ASSEMBLY BREAKING BY INC. DATE DRAWN 2/20/17 MATERIAL	EST. WGT. 3,620 lbs. 2008 MCLAUGHLIN GROUP, INC. 5008 PERIMETER RD. GREENVILLE, SC 29605 WELDMENT: VXS8D-TALLER FIELD REPAIR
PART NUMBER MOD00012		REV 0	



NOTE: THIS STEP IS INCLUDED IN VIK151. DISREGARD IF THIS STEP HAS BEEN COMPLETED.

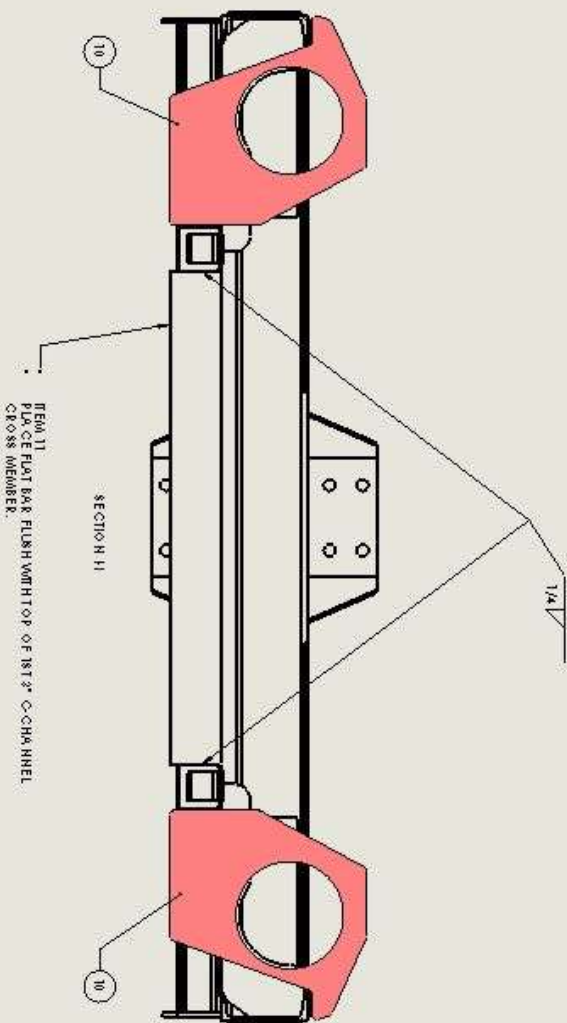
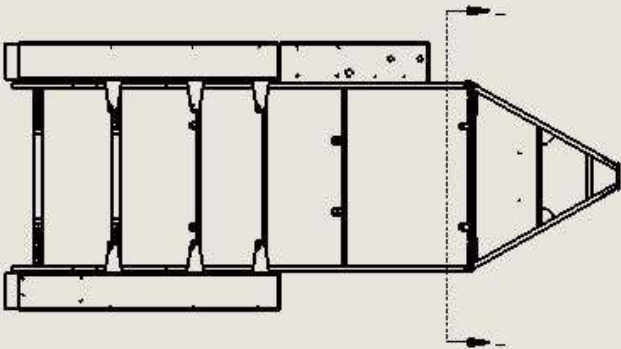
PROPRIETARY INFORMATION THIS DRAWING IS THE PROPERTY OF MCLAUGHLIN GROUP, INC. IT IS TO BE USED FOR THE PROJECT AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF MCLAUGHLIN GROUP, INC. IT IS TO BE KEPT IN CONFIDENTIALITY AND NOT TO BE DISCLOSED TO ANY OTHER PARTY.									
☒ PER MACHINE	1	DO NOT SCALE	☒ SHEET	220 A, 29 lbs.	MCLAUGHLIN GROUP, INC. 2006 PERIMETER RD., GREENVILLE, SC 29605 TRAILER FABRICATION, VXD-800 BOD M				
☐ PURCHASE		☐ BURN	☐ CUT	☐ MACHINE					
☐ WELD		☐ POWDER COAT	☐ PRIME	☐ PAINT					
☐ HEAT TREAT		☐ ZINC							
		☐ UNLESS NOTED:	☐ NEXT ASSEMBLY	☐ DATE DRAWN	PART NUMBER MOD0012				
		☐ BRACE ALL SUSPENSION AIDS	☐ MACHINE SURFACES	☐ FINISHED TO SPECIFICATIONS					
		☐ FINISH ALL	☐ MACHINE SURFACES	☐ FINISHED TO SPECIFICATIONS	REV 0				
		☐ FINISH ALL	☐ MACHINE SURFACES	☐ FINISHED TO SPECIFICATIONS					
		☐ FINISH ALL	☐ MACHINE SURFACES	☐ FINISHED TO SPECIFICATIONS					



NOTE: THIS STEP IS INCLUDED IN VIK151. DISREGARD IF THIS STEP HAS BEEN COMPLETED.

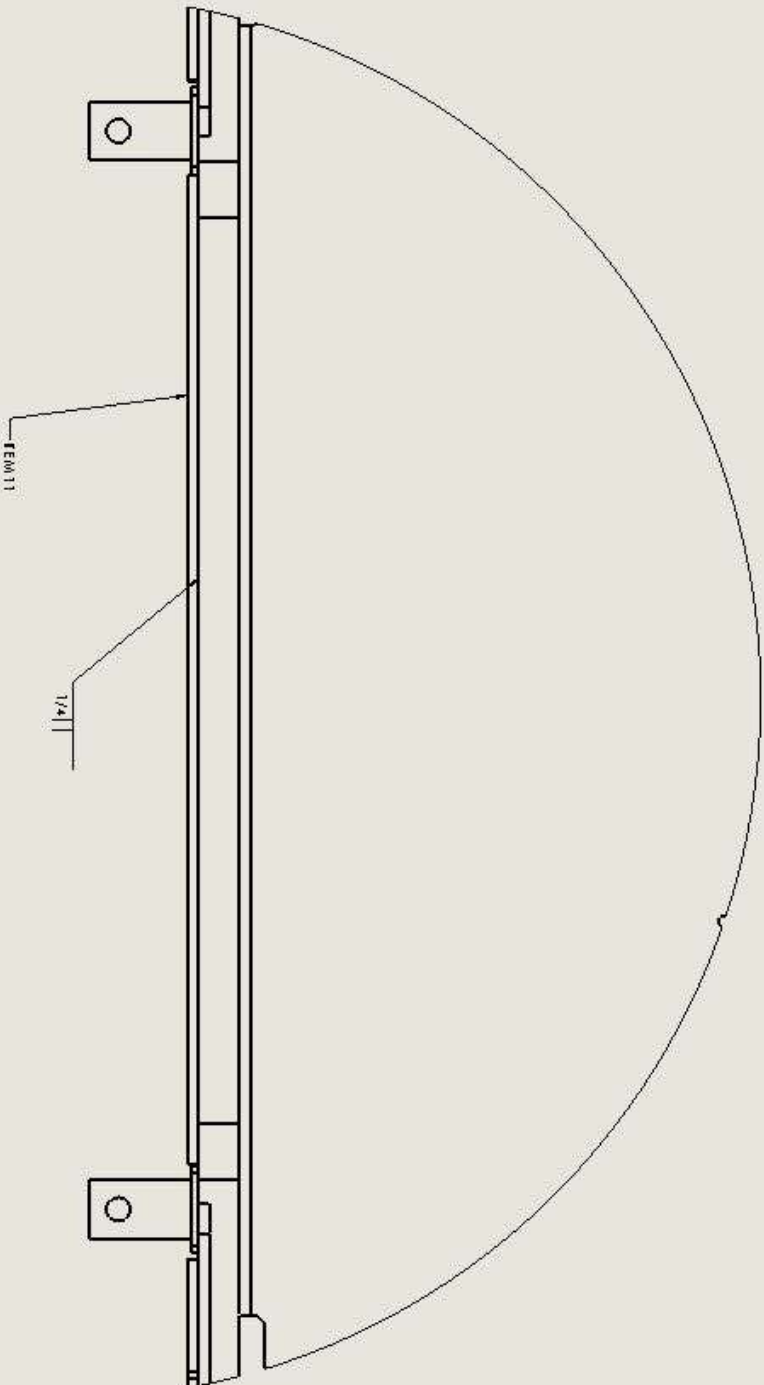
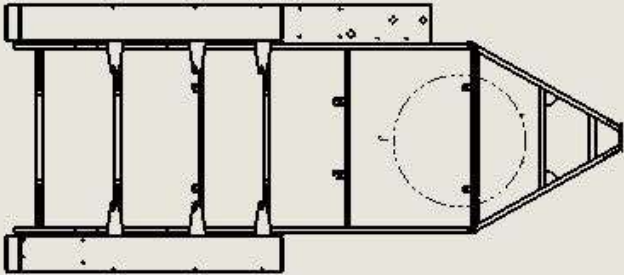
PROPRIETARY INFORMATION									
THIS DRAWING IS THE PROPERTY OF MCLAUGHLIN GROUP, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MCLAUGHLIN GROUP, INC.									
☐ PURCHASE	☒ 1	☐ DO NOT SCALE	☐ SHEET	EST. WGT.			MCLAUGHLIN GROUP, INC. 2006 PERIMETER RD. GREENVILLE, SC 29605		
☐ BURN	☐ 0	☐ DRAWING	☐ 3	220.4, 275 lbs.					
☐ CUT	☐ 0	☐ UNLESS NOTED:	☐ 01	DRAWING BY					
☐ MACHINE	☐ 0	☐ ALL DIMENSIONS ARE IN INCHES	☐ INT.	DATE DRAWN					
☐ WELD	☐ 0	☐ OR PER THE SHIPPER TO D.S.	☐ NEXT ASSEMBLY	C/D/2/15					
☐ POWDER COAT	☐ 0	☐ FINISH ALL	☐ ENGINEER	TRAILER FABRICATION, VXS0-000 BOOM			PART NUMBER		
☐ PRIME	☐ 0	☐ HIDDEN TOLERANCES	☐ INT.	COLD			MOD00012		
☐ PAINT	☐ 0	☐ 1/16" - 1/8"	☐ BLACK	FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1			REV		
☐ HEAT TREAT	☐ 0	☐ 1/16" - 1/8"		FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1			0		
☐ ZINC	☐ 0	☐ 1/16" - 1/8"		FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1					

McLaur Engineering Solidworks VPRO DUCT MATH OVERVIEW 2010 Trailer Tongue Gen 3 V002.039



NOTE: THIS STEP IS INCLUDED IN VIK151. DISREGARD IF THIS STEP HAS BEEN COMPLETED.

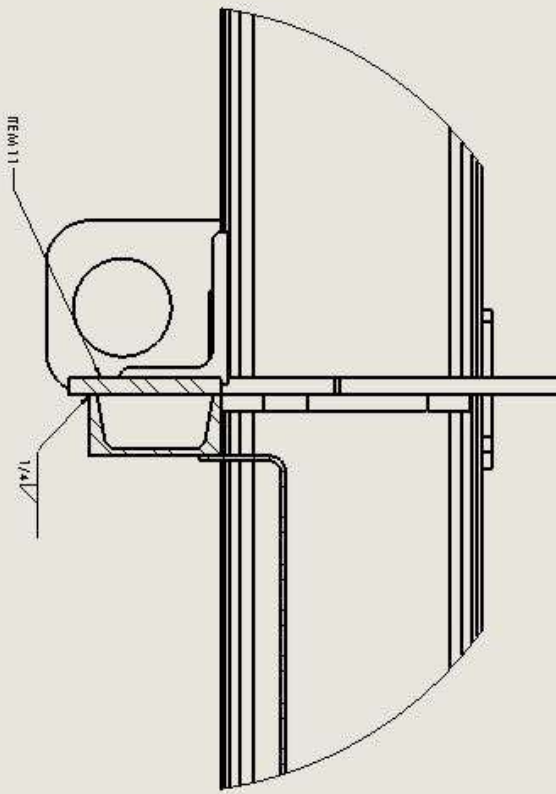
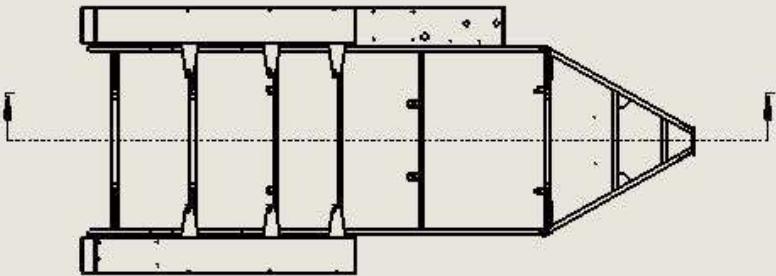
PROPRIETARY INFORMATION THIS DRAWING IS THE PROPERTY OF MCLAUGHLIN GROUP, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MCLAUGHLIN GROUP, INC.		PER MACHINE 1 ☐ PURCHASE ☐ BURN ☐ CUT ☐ MACHINE ☐ WELD ☐ POWDER COAT ☐ PRIME ☐ PAINT ☐ HEAT TREAT ☐ ZINC		DO NOT SCALE DRAWING UNLESS NOTED: INTERFERE DETAIL ALL SHOWN TO DETAIL CHECK ALL DIMENSIONS TO DETAIL DIMENSIONS STANDARD TOLERANCES FRACTIONAL: 1/32 DECIMAL: 0.005 ANGLES: 1/4°		SHEET 6 OF 8 NEXT ASSEMBLY ENGINEER MT COLOUR BLACK		EST. DWT. 1042.22 LBS. DRAWN BY MT DATE DRAWN 5/10/2015 MATERIAL TRAILER FABRICATION, VXS0-800 800 M		MCLAUGHLIN GROUP, INC. 2006 PERIMETER RD. GREENVILLE, SC 29605 TITLE TRAILER FABRICATION, VXS0-800 800 M		PART NUMBER MOD0012		REV 0	
---	--	--	--	--	--	---	--	---	--	---	--	------------------------	--	----------	--



DETAIL J
WELD ON TOP OF CHANNEL

NOTE: THIS STEP IS INCLUDED IN VIK151. DISREGARD IF THIS STEP HAS BEEN COMPLETED.

PROPRIETARY INFORMATION										DO NOT SCALE		SHEET		REV. LOG		MCLAUGHLIN GROUP, INC.			
☐ PURCHASE	☐ BURN	☐ CUT	☐ MACHINE	☐ WELD	☐ POWDER COAT	☐ PRIME	☐ PAINT	☐ HEAT TREAT	☐ ZINC	UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN INCHES AND DECIMALS THEREOF.		NEXT ASSEMBLY		DRAWN BY		DATE DRAWN		TITLE	
DRAWN BY: J. L. MCCLURE										DATE: 10/1/00		DRAWN BY: J. L. MCCLURE		DATE: 10/1/00		TRAILER FABRICATION, VXS0-800 800 M			
STANDARD TOLERANCES										ENGINEER		MATERIAL		PART NUMBER		REV			
FRACTIONAL: 1/16"										MT		BLACK		MOD0012		0			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			
DECIMAL: 1/32"																			
HATCHED SURFACES																			
FRACTIONAL: 1/16"																			



SECTION L-L

NOTE: THIS STEP IS INCLUDED IN VIKI151. DISREGARD IF THIS STEP HAS BEEN COMPLETED.

PROPRIETARY INFORMATION THIS DRAWING IS THE PROPERTY OF MCLAUGHLIN GROUP, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MCLAUGHLIN GROUP, INC.		4 PER MACHINE 1 ☐ PURCHASE ☐ BURN ☐ CUT ☐ MACHINE ☐ FIELD ☐ POWDER COAT ☐ PRIME ☐ PAINT ☐ HEAT TREAT ☐ ZINC		DO NOT SCALE UNLESS NOTED ATTENTION REFER TO DRAWING FOR DIMENSIONS STANDARD TOLERANCES FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8 DECIMALS: .0005, .001, .002, .005, .010, .015, .020, .030, .040, .050, .060, .070, .080, .090, .100, .125, .150, .175, .200, .250, .300, .375, .400, .500, .600, .750, .800, .875, .900, .950, 1.000		SHEET 8 OF 8 NEXT ASSEMBLY ENGINEER MT COLOR BLACK		ERT DWT 1042.27 lbs. DRAWN BY MT DATE DRAWN 6/10/2015 MATERIAL TRAILER FABRICATION, VXS0-800 800 II		MCLAUGHLIN GROUP, INC. 2006 PERIMETER RD. GREENVILLE, SC 29605 TITLE TRAILER FABRICATION, VXS0-800 800 II		PART NUMBER MOD0012		REV 0	
---	--	---	--	--	--	--	--	--	--	--	--	------------------------	--	----------	--