



## OPERATIONAL SAFETY AND ASSEMBLY INSTRUCTIONS



### HOISTING CONCRETE FORKED BEAM BUCKET 1-YD

Models: FHH-VFL-1

READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT. KEEP THIS MANUAL AVAILABLE FOR FUTURE REFERENCE.



## READ BEFORE BEGINNING ASSEMBLY AND USE

**FAILURE TO UNDERSTAND AND FOLLOW ALL SAFETY RULES AND INSTRUCTIONS  
COULD RESULT IN SERIOUS INJURY OR DEATH.**



#### METAL CONDUCTS ELECTRICITY:

Do not use this equipment where contact may be made with power lines or other live electrical circuits.



#### DO NOT OVERLOAD:

This Forked/Hoistable Beam Bucket is designed to support a maximum load of 4500 lbs.



### OPERATION AND SAFETY

This hoistable beam bucket has been rated as a “below the hook lifting device” in accordance with ASME B30.20-2010, which references ASME BTH-1-2014. See additional certification notes (page 2) on additional requirements/information prior to each use.

- Do not use this equipment if you are in poor health, taking medications, drugs, or have been consuming alcohol, all of which may impair your ability to work safely on this product.
- Always use this Bucket in conformity with local or national legislation which applies.
- Inspect before use. Do not use if damaged. Check for missing parts.
- Examine thoroughly to make sure Bucket is set up properly. If assembling or tightening fasteners, tighten all fasteners to the torque specified: Recommended Tightening Torque: 21 ft-lbs. Do not exceed 27 ft-lbs. Do not overtighten – overtightening can cause damage to the unit. Do not replace or substitute bolts, nuts, or other hardware that is of lesser quality than the hardware supplied by the manufacturer.
- All components must be complete, functioning properly and correctly assembled.
- Any incomplete part, missing part, or ill-fitting part should be replaced prior to use.
- Use the right product for the job. Do not modify the Bucket or any of its components.
- Do not use the Bucket for a purpose for which it was not intended.
- Do not exceed the maximum load capacity of 4500 lbs.
- Be aware of dynamic loading. Suddenly dropping or bouncing a load may create, for a brief instant, an excess load, which may result in damage to the product and/or personal injury.
- Refer to page 2 additional requirements prior to hoisting Bucket.
- Only use fork pockets to move or position Bucket.
- This Bucket must be used on a firm surface that is free of pits, debris, holes or obstructions.
- Acids are corrosive and can seriously affect strength. Do not expose this Bucket to corrosive substances.
- Never move the Bucket with a worker within or on.
- Use extra caution near operating machinery.
- Do not remove any labels from this Bucket.
- Always secure unit with fork capture pins before moving.
- Provided chain is for chute positioning and stowing only.
- Bucket gate to remain clear of body parts due to pinch hazard.
- Always maintain the Bucket level to ground while in motion.



ALWAYS  
INSPECT  
BEFORE  
USE



BUCKET MAXIMUM  
LOAD CAPACITY: 4500  
lbs.



METAL CONDUCTS  
ELECTRICITY



ACIDS ARE CORROSIVE.  
DO NOT EXPOSE UNIT  
TO CORROSIVE  
SUBSTANCES



UNEVEN WEIGHT  
DISTRIBUTION COULD  
CAUSE UNIT TO TIP



MUST BE USED ON A FIRM  
SURFACE THAT IS FREE OF  
PITS, DEBRIS, HOLES OR  
OBSTRUCTIONS



UNIT SHALL ONLY BE  
USED ON FIRM AND  
LEVEL SURFACES



NEVER MOVE BUCKET  
WITH WORKER WITHIN  
OR ON



SUDDENLY DROPPING OR  
BOUNCING THE UNIT MAY  
CREATE AN EXCESS LOAD

All photos, drawings and depictions in this booklet are for reference purposes only and may differ from actual product. Refer to applicable OSHA, ANSI or CSA codes and regulations for the proper use of this equipment. *Picture may differ from actual product*

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/3/2022	PAS

CERTIFICATION NOTES:

- DEVICE HAS BEEN RATED AS A "BELOW THE HOOK LIFTING DEVICE" IN ACCORDANCE WITH ASME B30.20-2010, WHICH ITSELF REFERENCES ASME BTH-1-2014
- THIS DEVICE HAS BEEN RATED AS A DESIGN CATEGORY B, SERVICE CLASS 1 DEVICE, AS DEFINED IN BTH-1-2014.
- AS A SERVICE CLASS 1 DEVICE, THIS DEVICE IS RATED FOR 100,000 LIFTS.
- THIS DEVICE MUST ONLY BE USED FOR ITS INTENDED PURPOSE;
- ANY OTHER USE WILL IMMEDIATELY INVALIDATE THIS RATING.
- WORKING LOAD LIMIT 4500 LBS.**
- LOAD MUST BE SUFFICIENTLY EVEN THAT THE BIN IS WITHIN 10° OF LEVEL WHEN LIFTED.
- LOAD TEST TO 5650 LBS IN ACCORDANCE WITH ASME B30.20-2010 PARAGRAPH 20-1-3.8
- ANY DAMAGE TO DEVICE, BEYOND BOWING OF SIDE PANELS, WILL INVALIDATE THIS RATING.
- THIS DEVICE MUST BE INSPECTED IN ACCORDANCE WITH ASME B30.20.2010 PARAGRAPH 20-1.3, WHICH INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING REQUIREMENTS:
- THIS DEVICE MUST BE INSPECTED PRIOR TO INITIAL USE TO VERIFY COMPLIANCE WITH THE GOVERNING DRAWING.
- THIS LIFTING DEVICE MUST BE VISUALLY INSPECTED EACH DAY BEFORE USE.
- THIS LIFTING DEVICE SHOULD BE INSPECTED MONTHLY FOR STRUCTURAL DEFORMATIONS, CRACKS OR EXCESSIVE WEAR. RECORDS MUST BE KEPT OF THE ANNUAL INSPECTION. IF CRACKS ARE FOUND IN ANY PLATES OR WELDS, THE DEVICE MUST BE REPLACED.
- IT IS STRONGLY RECOMMENDED THAT THIS DEVICE BE STAMPED, ENGRAVED OR OTHERWISE MARKED WITH A PART NUMBER THAN CAN BE LINKED TO THIS DRAWING.
- THIS DEVICE MUST BE MARKED OR TAGGED IN ACCORDANCE WITH ASME B30.20-2010 PARAGRAPH 20-1.2.1. REFER TO THAT STANDARD FOR DETAILS OF WHAT INFORMATION IS REQUIRED. THIS MARKING MUST INCLUDE THE RIGGING ANGLE LIMITATION LISTED ABOVE.
- RATING ASSUMES THAT DEVICE IS USED IN ACCORDANCE WITH STANDARD CONSTRUCTION SAFE LIFTING PROCEDURES, WHICH SHOULD INCLUDE BUT NOT BE LIMITED TO:
  - DO NOT LIFT LOAD OVER PEOPLE
  - DO NOT LIFT LOAD HIGHER THAN NECESSARY
  - DO NOT MAKE ALTERATIONS TO THIS DEVICE
  - ALL LIFTING SHOULD BE DONE IN A SMOOTH, EVEN MANNER TO MINIMIZE SHOCK TO THE DEVICE
  - ALL LIFTING SHOULD BE EVEN AND VERTICAL
  - ALL OTHER RELEVANT OPERATION REQUIREMENTS LISTED IN ASME B30.20-2010 PARAGRAPH 20-1.4.
- THIS DEVICE, INCLUDING THE COMPONENTS NOT SHOWN ON THIS DRAWING, MUST BE MAINTAINED IN ACCORDANCE WITH ASME B30.20-2010 PARAGRAPH 20-1.3.9.
- ALL WELDING MUST BE PERFORMED IN ACCORDANCE WITH AWS D1.1.

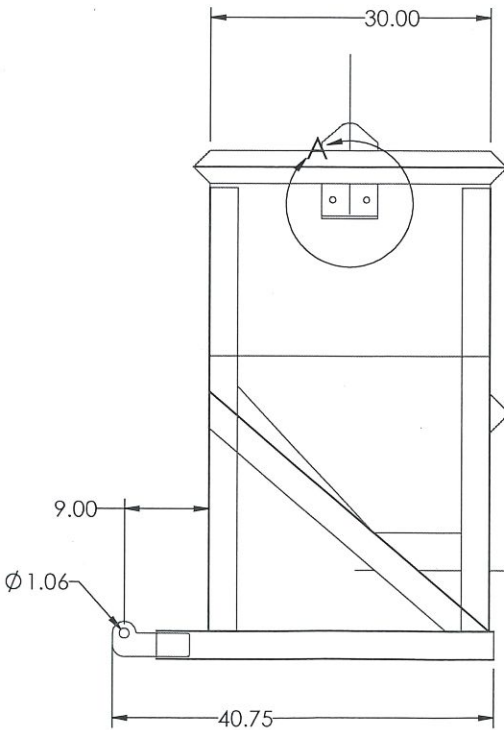
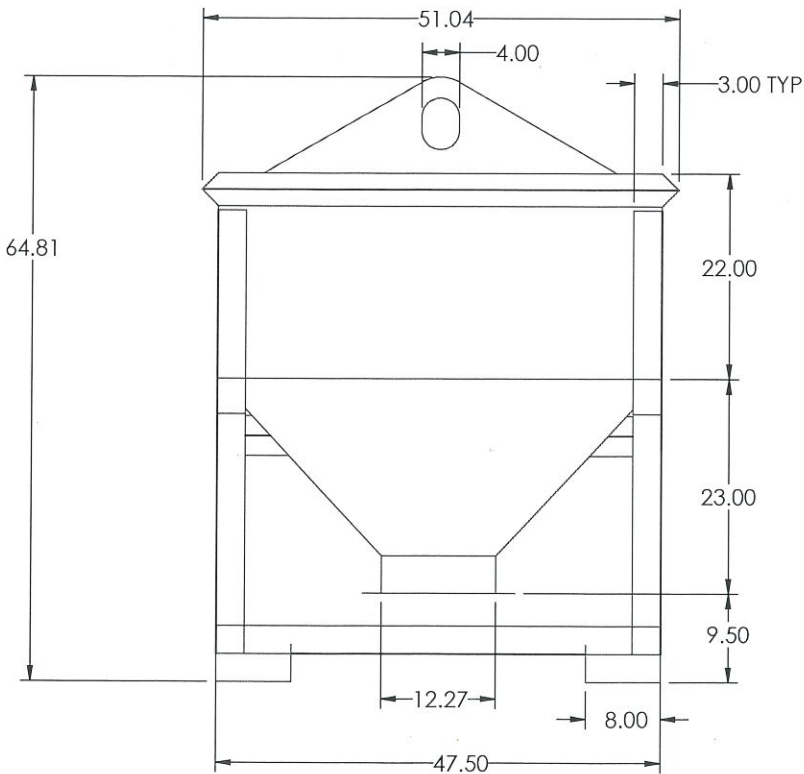
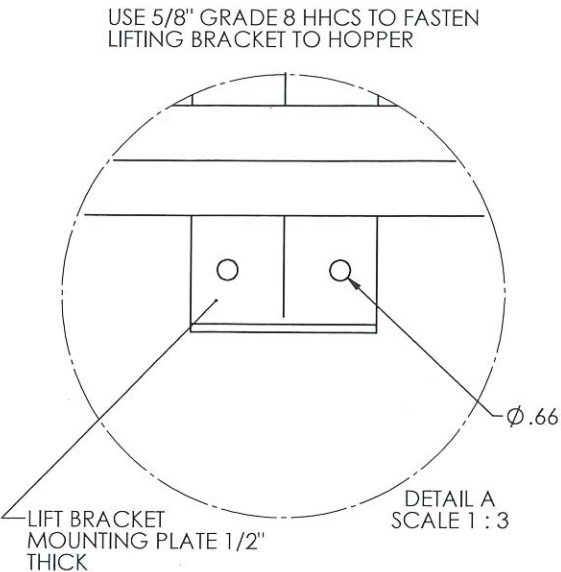
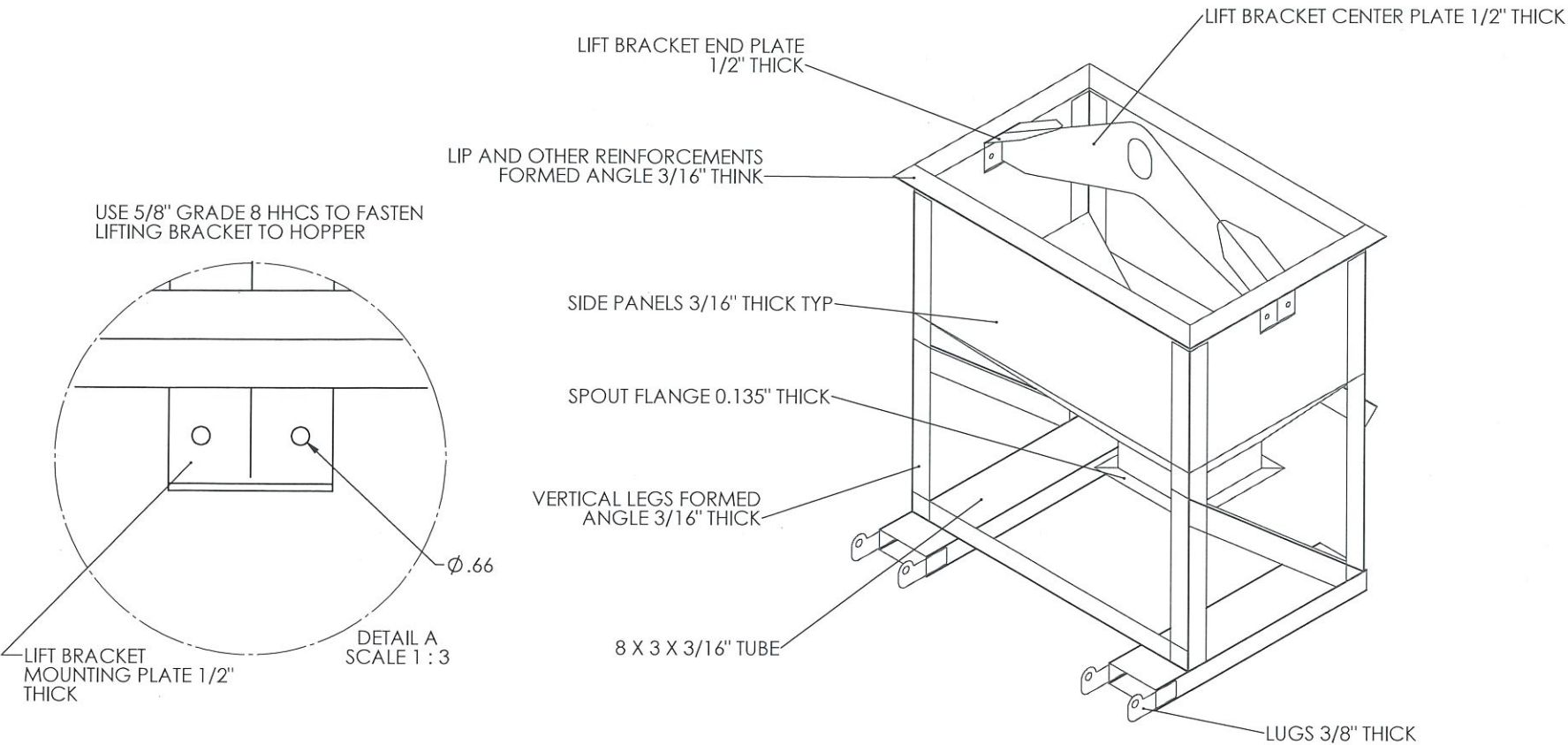
NOTES:

- 1) DESIGN DETAILED ON DRAWING 211-0200 AND SUB-COMPONENT DRAWINGS. THIS CERTIFICATION DRAWING GOVERNS IF ANY DISCREPANCIES EXIST.
- 2) WELD EACH JOINT COMPLETE WITH WELD TYPE APPROPRIATE FOR JOINT. FILLET WELDS TO BE 1/8" LEG SIZE. BEVEL WELDS TO BE FILLED.



DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: ± 0.5° .X ± 0.06 .XX ± 0.01 .XXX ± 0.005		NAME	DATE	COMPANY: JESCRAFT		
	DRAWN	PAS	11/2/22			
	CHECKED			TITLE: CONCRETE HOPPER - FRAME		
	ENG APPR.					
				PROJECT NO. 220103		
MATERIAL SEE NOTE	COMMENTS:	<div>MJ ENGINEERING</div> <div>M J ENGINEERING &amp; CONSULTING, INC., GAHANNA, OHIO (614) 881-6111</div>				
FINISH PAINT		DWG. NO. 220103-0001			REV. A	
DO NOT SCALE DRAWING		SCALE: 1:10		WEIGHT: 500 LB	SHEET 1 OF 1	

PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MJ ENGINEERING & CONSULTING, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MJ ENGINEERING & CONSULTING, INC. IS PROHIBITED.



CERTIFICATION DRAWING - NOT FOR FABRICATION