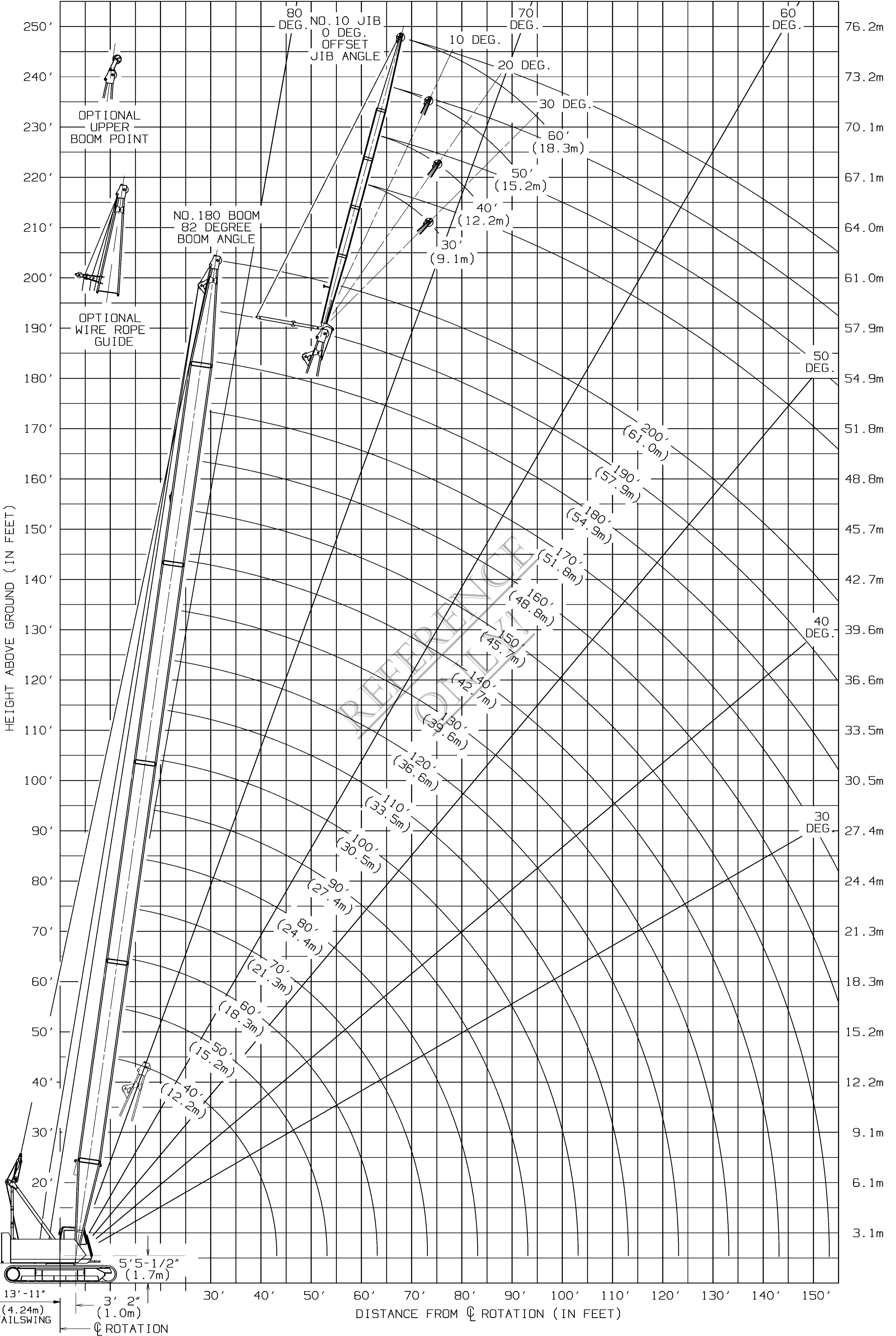
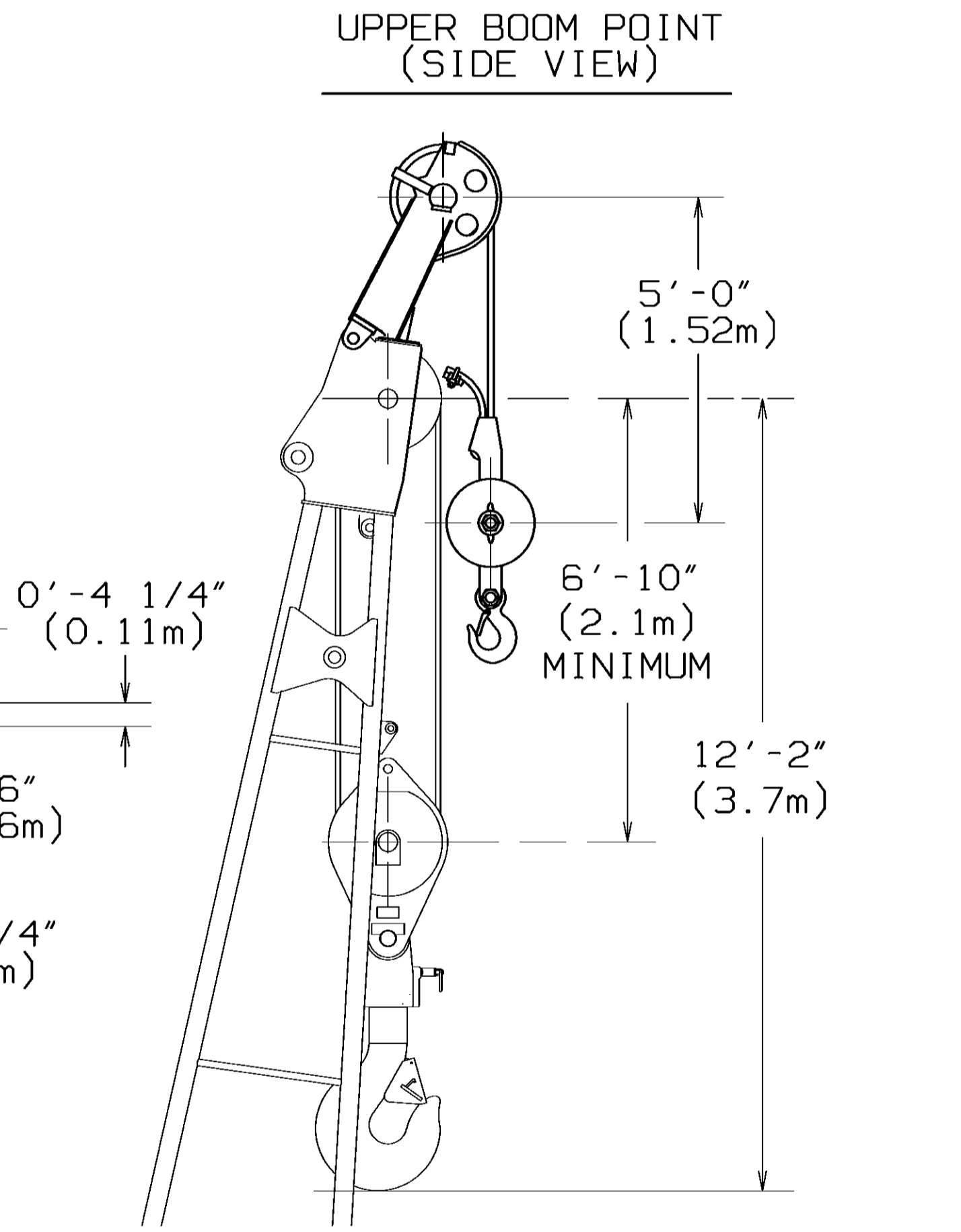
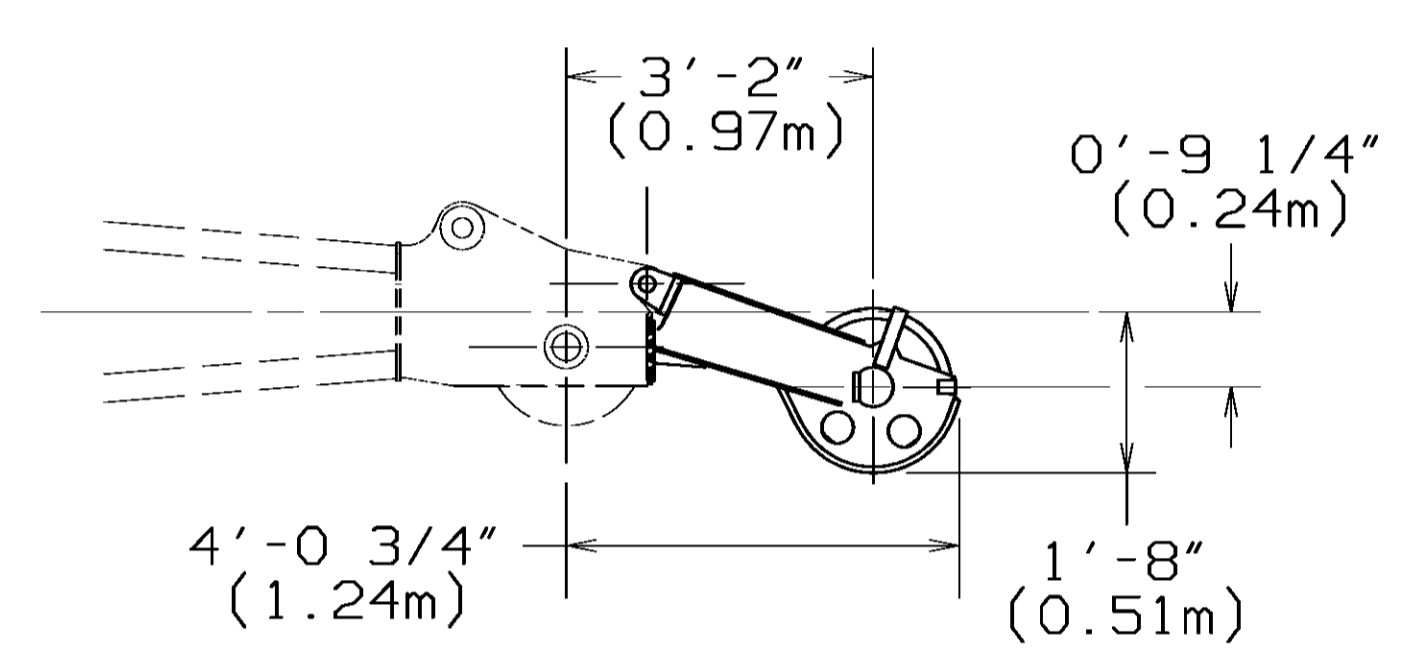
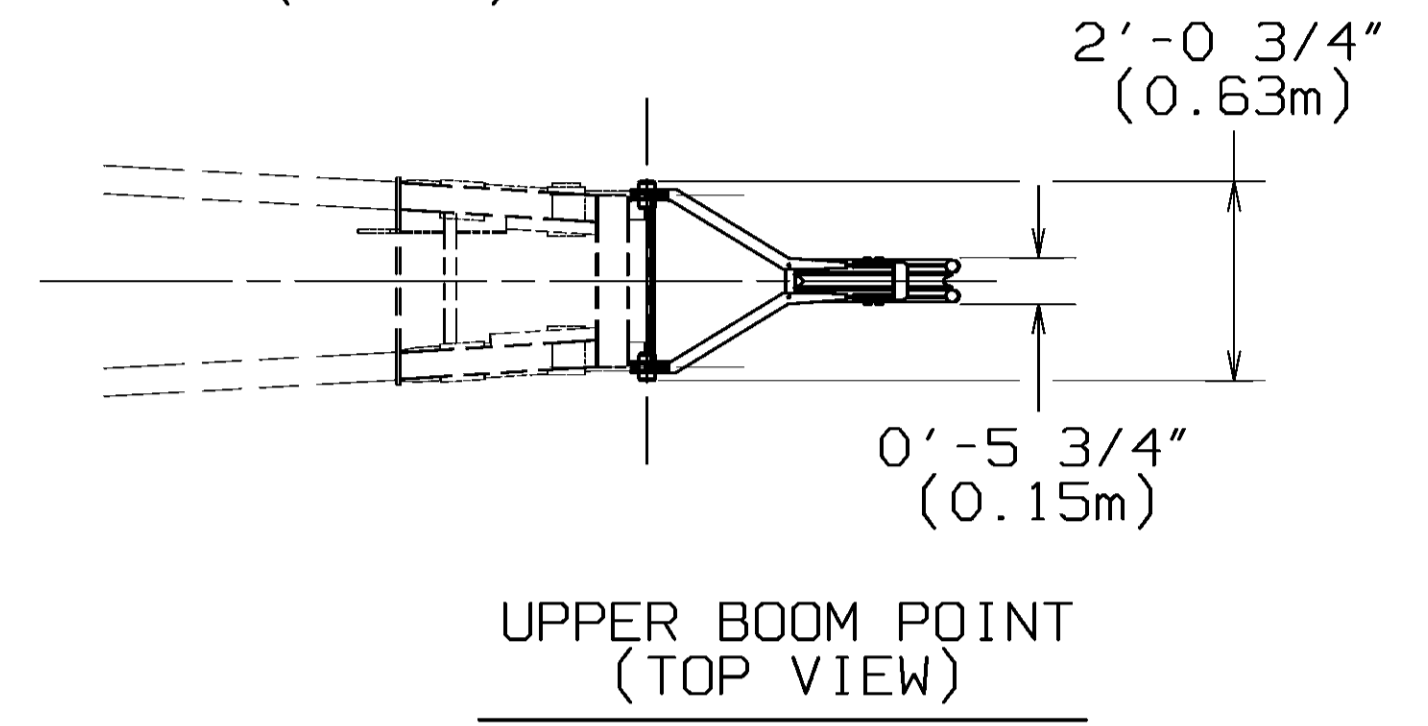
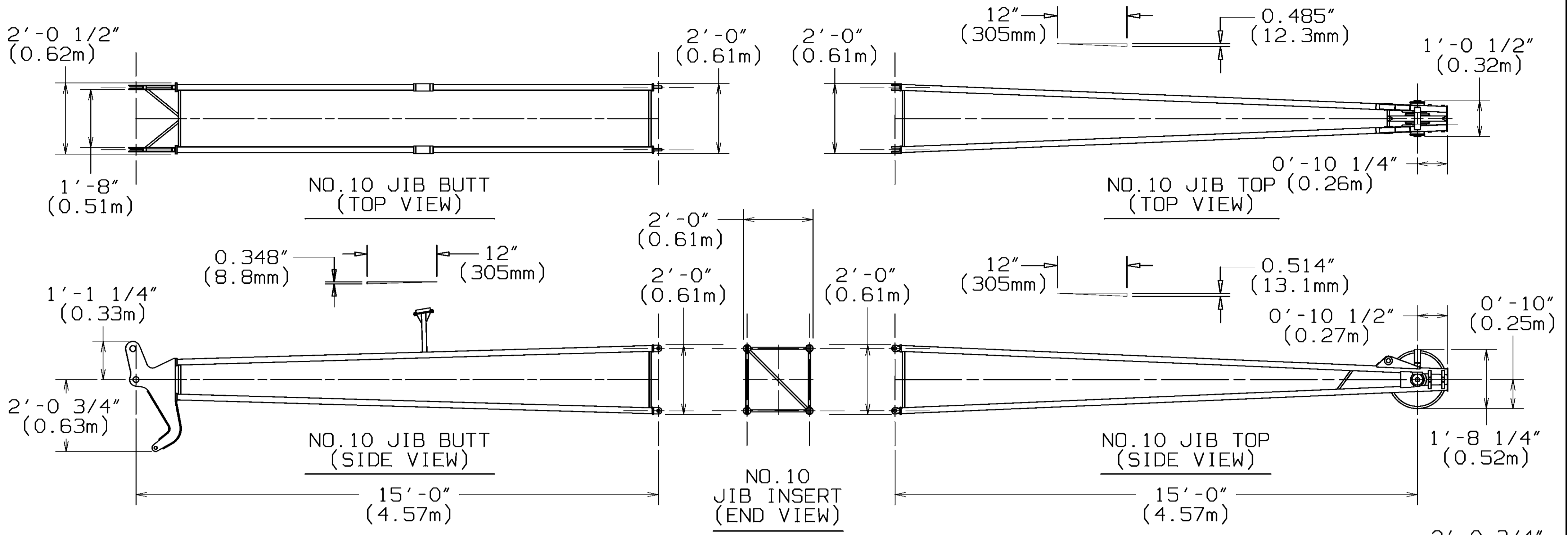


DISTANCE FROM \varnothing ROTATION IN METERS

3.1m 6.1m 9.1m 12.2m 15.2m 18.3m 21.3m 24.4m 27.4m 30.5m 33.5m 36.6m 39.6m 42.7m 45.7m



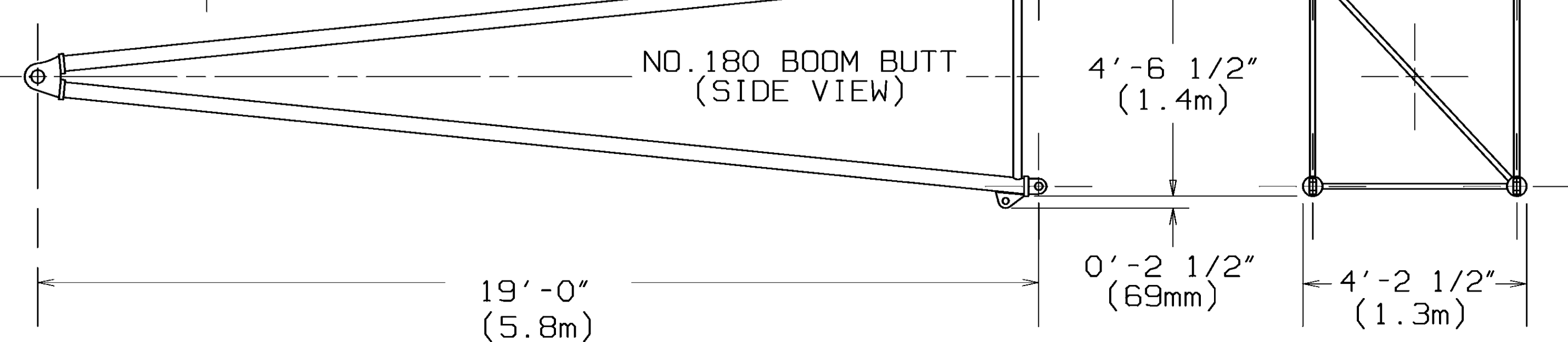
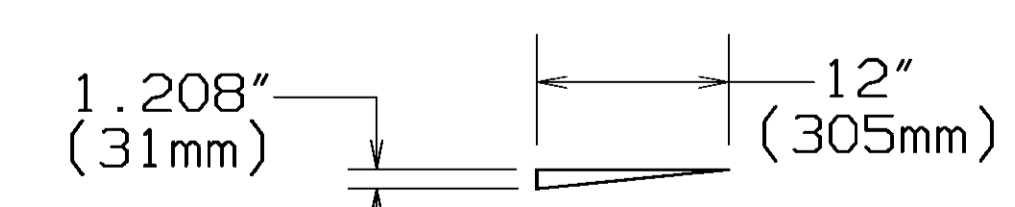
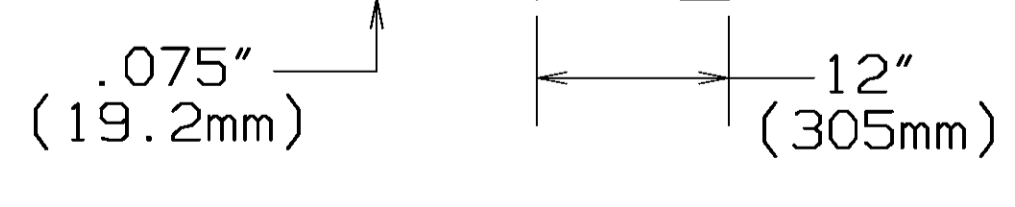
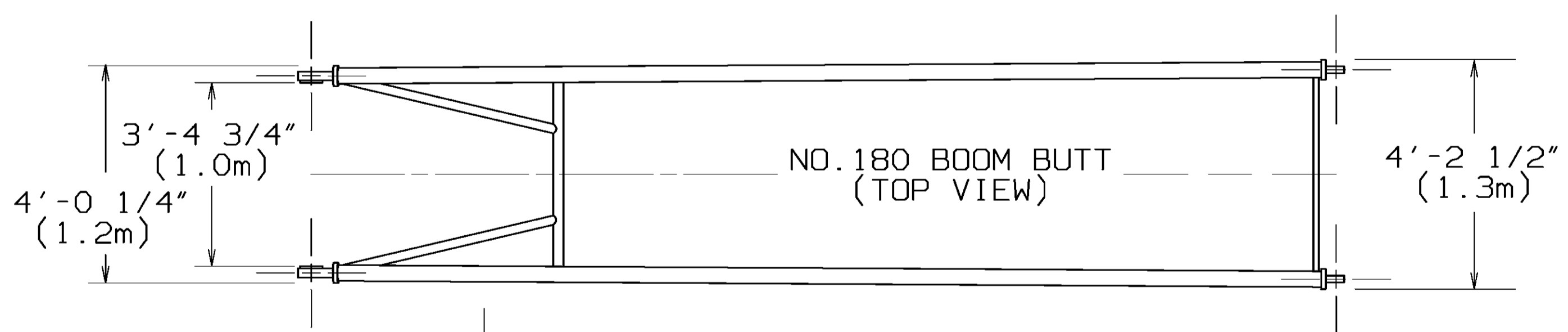
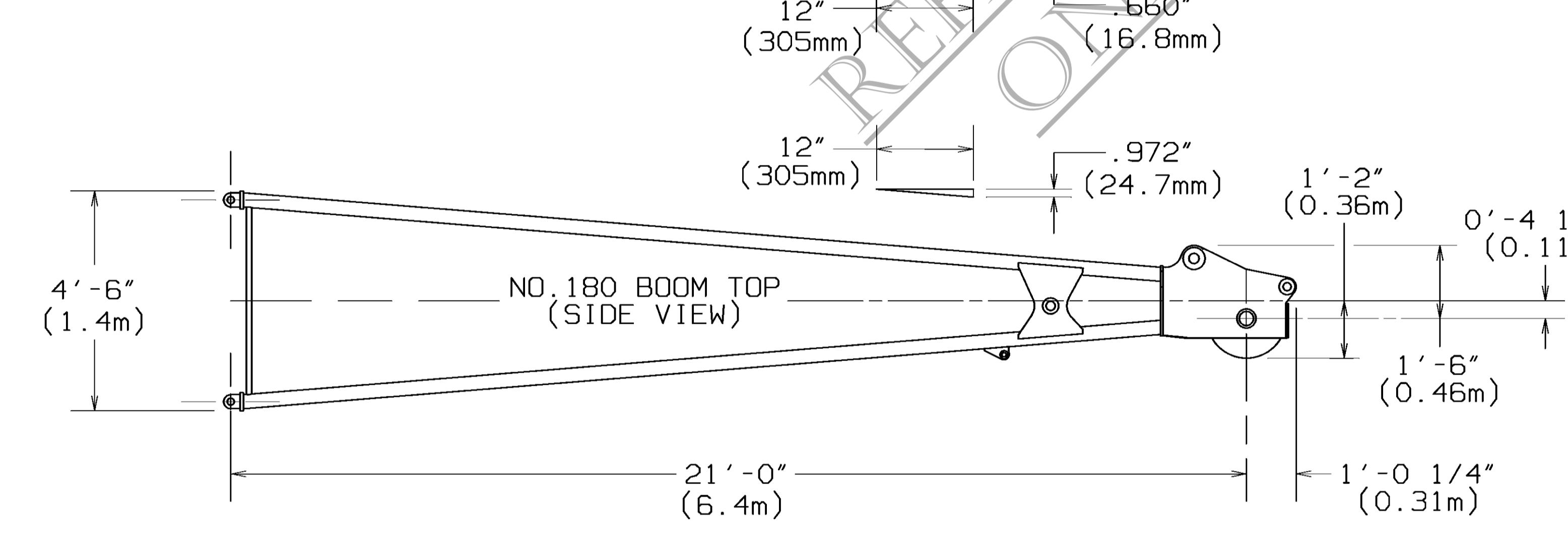
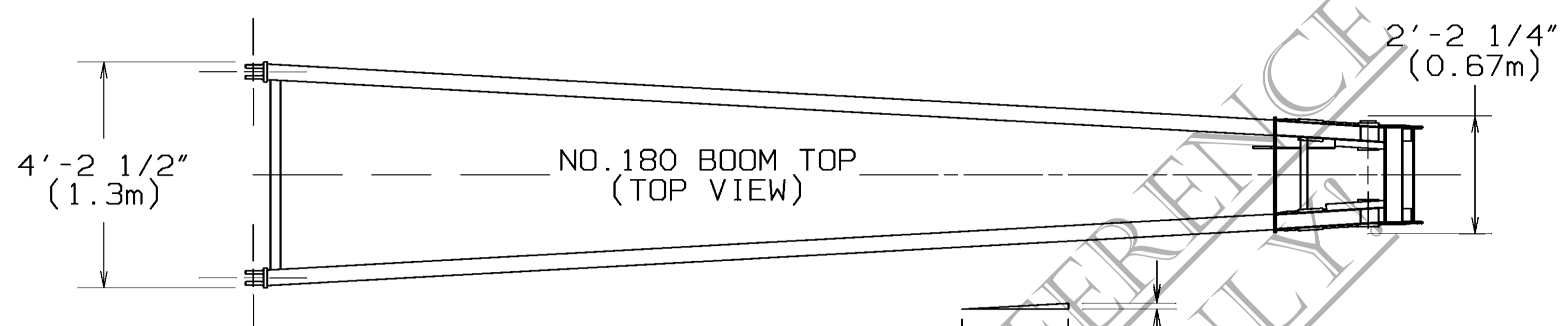
DATE 05-25-05	SCALE 1/8"=1'	Manitowoc Cranes, Inc. Manitowoc, Wisconsin	REVISION DATE 05-26-05 NVS
DRAWING NO. A13969	DR: NVS CK: TWB APP: JAS	MODEL 180	DIAGRAM - RANGE ASSEMBLY NO. 180 BOOM



80 U.S. TON (72.6 Mt)
BLOCK TO BOOM POINT
MINIMUM DISTANCE
NO. 180 BOOM 10 PARTS OF LINE

MINIMUM DISTANCE OF MANITOWOC
LOAD BLOCK TO BOOM POINT
SHOWN ABOVE FOR NO. 180 BOOM TOP BASED
ON 82 DEGREE BOOM ANGLE AND 2 1/2 DEGREE
FLEET ANGLE OR PHYSICAL LIMITATION.

- NOTE 1 - THIS DRAWING IS INTENDED ONLY AS A GUIDE TO ASSIST IN JOB PLANNING.
- NOTE 2 - FOR PLANNING A LIFT. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH APPROPRIATE -
A. CAPACITY CHARTS B. RANGE CHART
C. LOAD LINE SPECIFICATIONS D. RIGGING DRAWING
E. OUTLINE DIMENSIONS
- NOTE 3 - FOR PLANNING LIFTS WHERE CLEARANCES ARE LIMITED AND ACCURACY IS DESIRED. A DETAIL LAYOUT SHOULD BE PREPARED.
- NOTE 4 - DISTANCE OF MANITOWOC LOAD BLOCK TO BOOM POINT BASED ON 2-1/2 DEGREE FLEET ANGLE OR PHYSICAL LIMITATIONS.
- NOTE 5 - WHEN EQUIPPED WITH HOIST LINE LIMIT SWITCH. CONTACT FACTORY FOR LOAD BLOCK TO BOOM POINT MINIMUM DISTANCE.
- NOTE 6 - MAXIMUM BOOM ANGLE 82 DEGREES FOR NO. 180 BOOM.



DATE	SCALE	Manitowoc Cranes, Inc. Manitowoc, Wisconsin	REVISION DATE
05-25-05	1/8"=1'		
DRAWING NO.	DR: NVS		DIAGRAM - RANGE ASSEMBLY
A13969	CK: TWB	MODEL 180	NO. 180 BOOM
	APP: JAS		