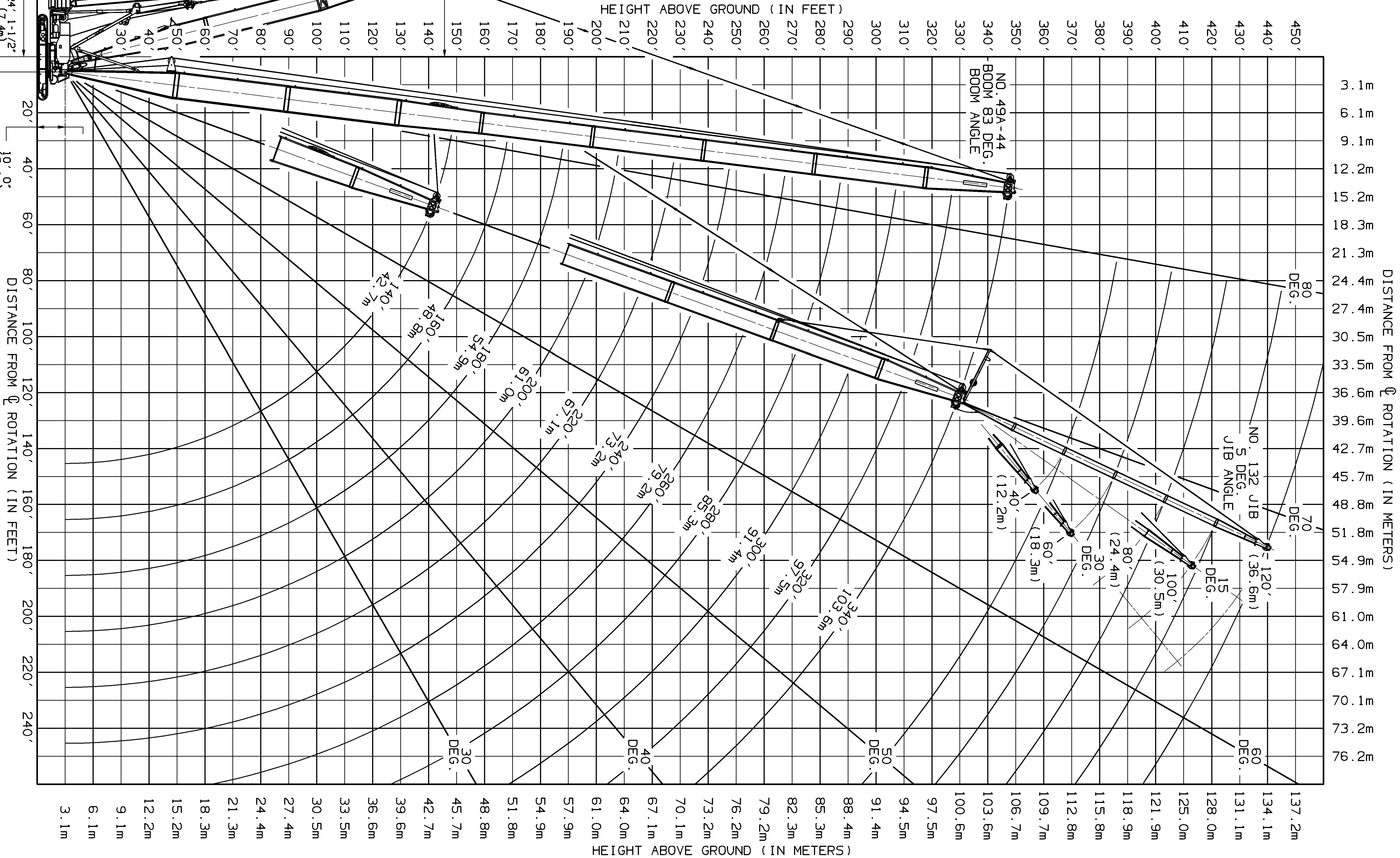




ONE		1/16"=1'		REVISION	
6-7-95	DRIVING NO.	1/16"=1'	MAINTONOC ENGINEERING CO.	DIAGRAM - RANGE ASSEMBLY	09-09-98 NVS
177069	DRIVING NO.	1/16"=1'	MAINTONOC ENGINEERING CO.	NO. 49A-44 BOOM	
	DRIVING NO.	1/16"=1'	MAINTONOC ENGINEERING CO.	HANGING & WHEELED CTWT.	

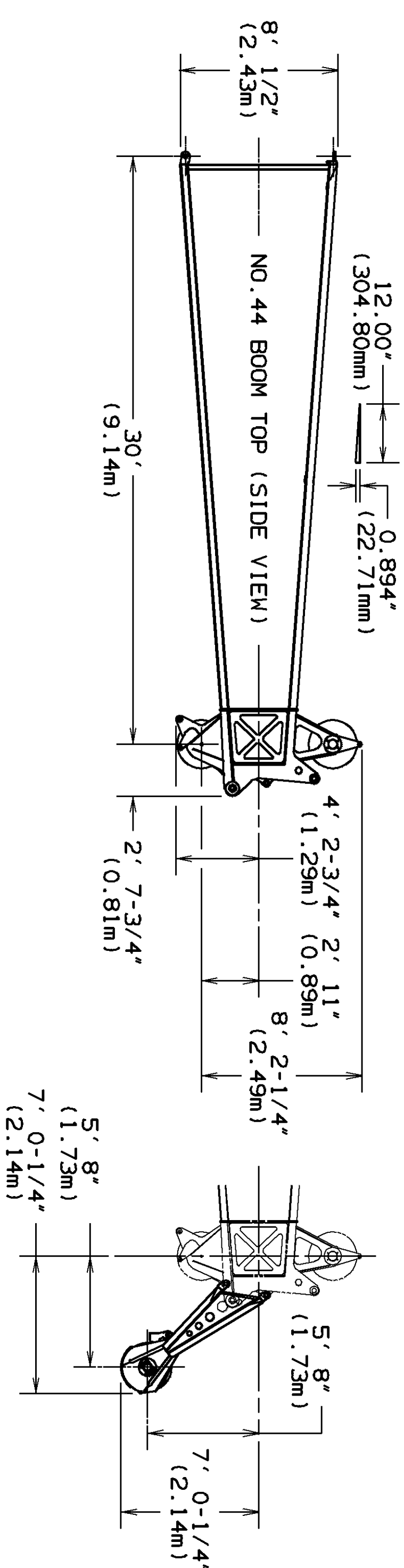
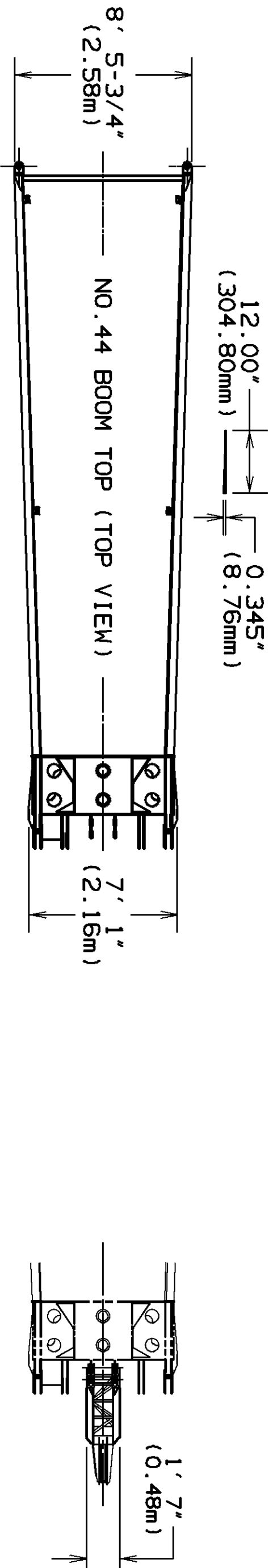
NOTE 1: THIS DRAWING IS INTENDED ONLY AS A GUIDE TO ASSIST IN JOB PLANNING.

NOTE 2: FOR PLANNING A LIFT, THIS DRAWING IS TO BE USED IN CONJUNCTION WITH APPROPRIATE CAPACITY CHARTS, RANGE CHART, WIRE ROPE SPECIFICATIONS, RIGGING DRAWING, AND OUTLINE DIMENSIONS.

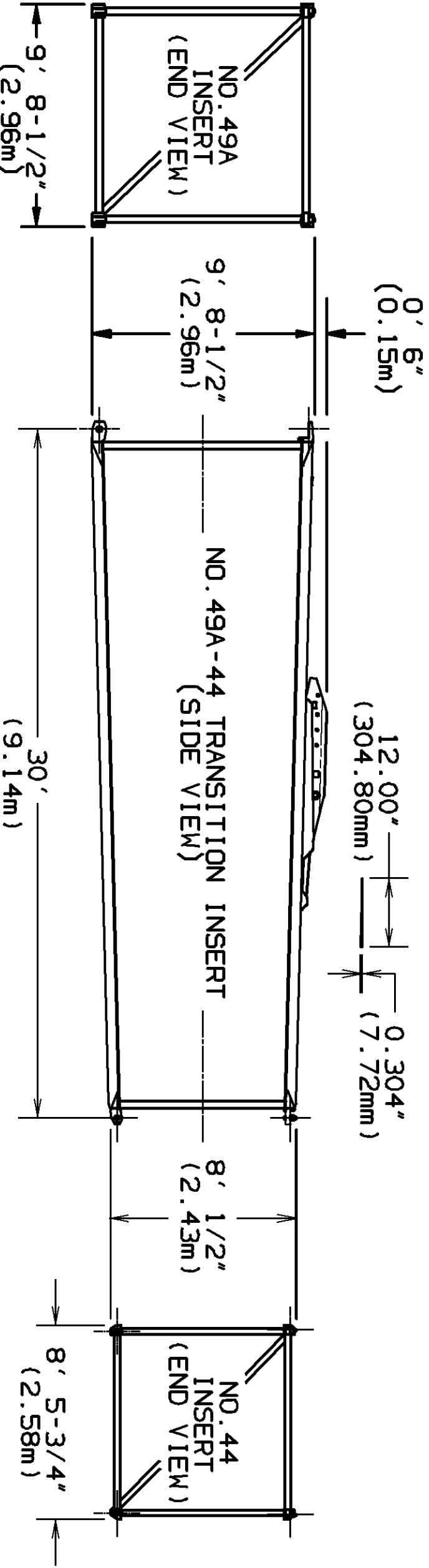
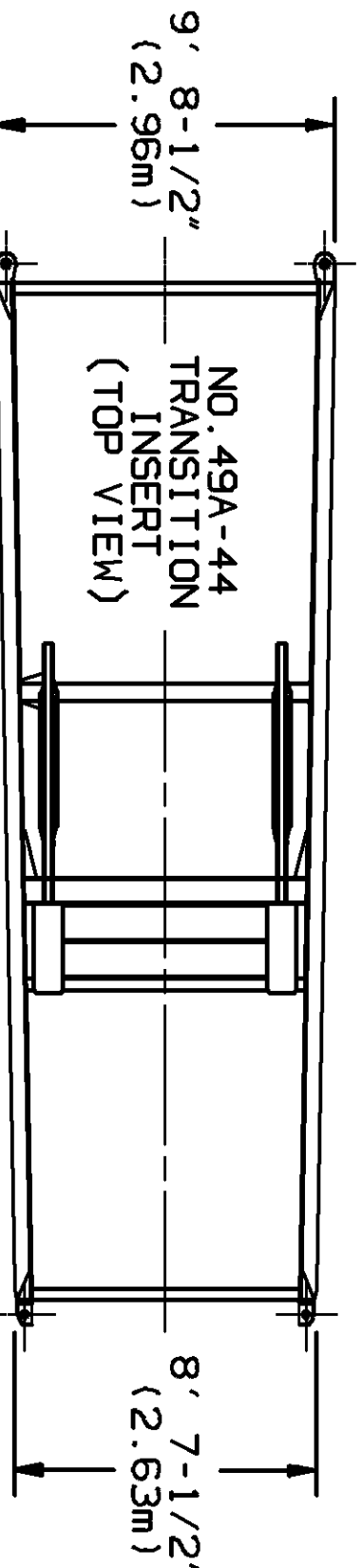
NOTE 3: FOR PLANNING LIFTS WHERE CLEARANCES ARE LIMITED AND ACCURACY IS DESIRED, A DETAILED LAYOUT SHOULD BE PREPARED.

NOTE 4: WHEN EQUIPPED WITH BLOCK-UP LIMIT CONTROL, LOAD BLOCK TO BOOM POINT/JIB POINT MINIMUM DISTANCE MAY BE MORE THAN INDICATED. SEE OPERATOR'S MANUAL FOR "BLOCK-UP LIMIT CONTROL".

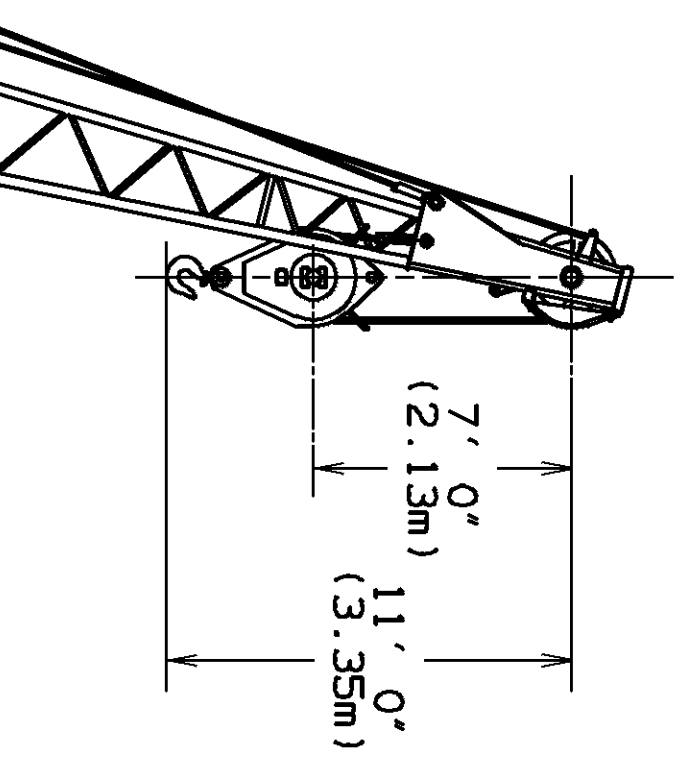
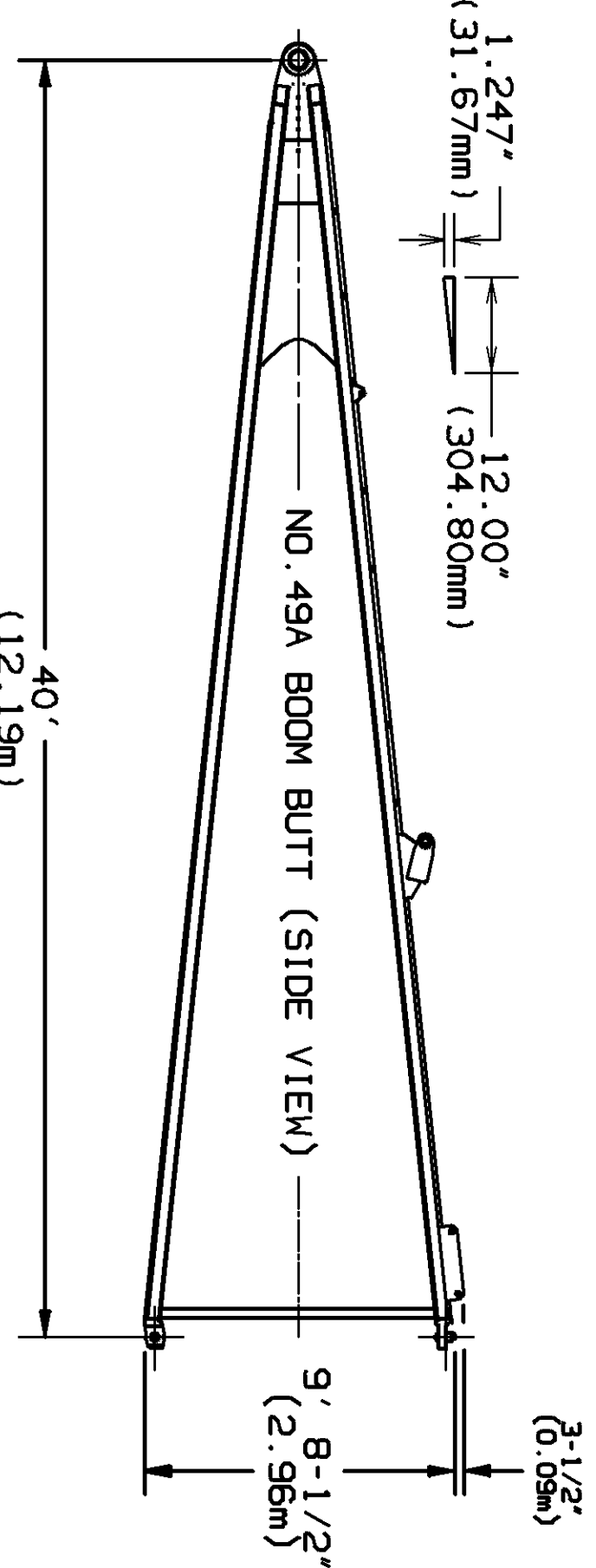
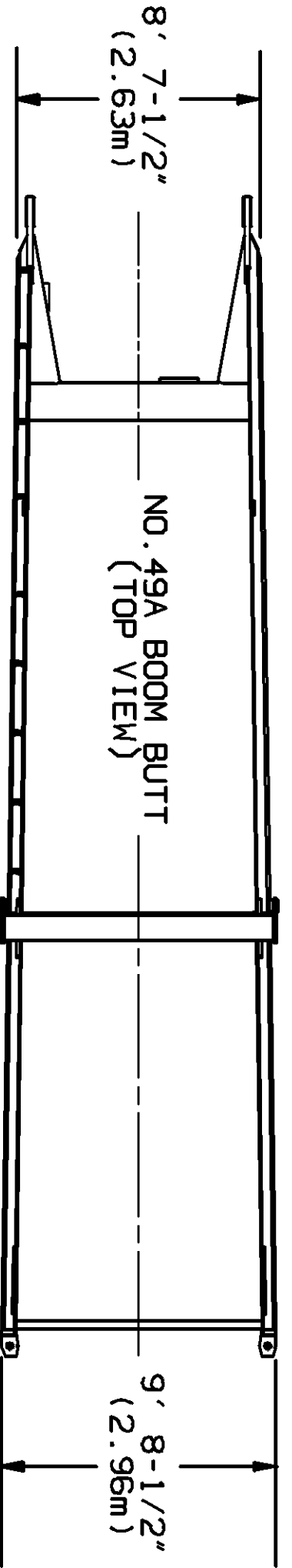
NOTE 5: MAXIMUM BOOM ANGLE 83 DEGREES FOR NO. 49A-44 BOOM WITH HEAVY LIFT TOP. MAXIMUM BOOM ANGLE 81 DEGREES FOR NO. 49A-44 BOOM WITH NO. 132 JIB.



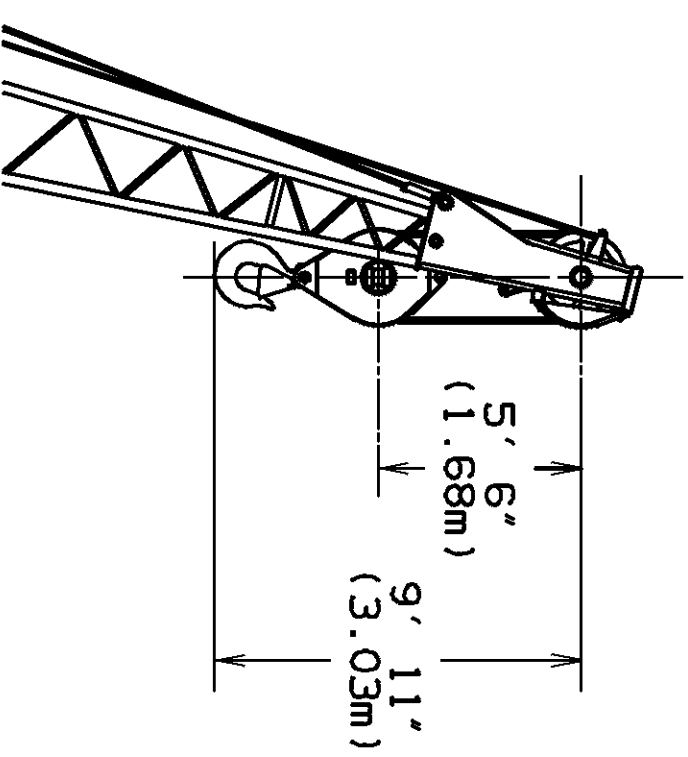
12.00' (304.80mm) 0.219' (5.56mm)



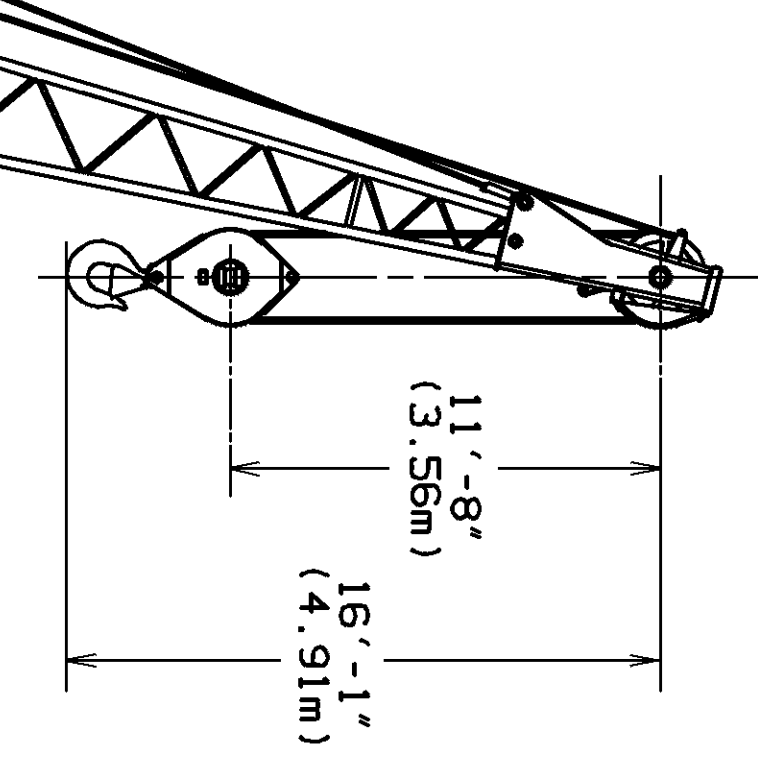
0.170' (4.32mm) 12.00' (304.80mm)



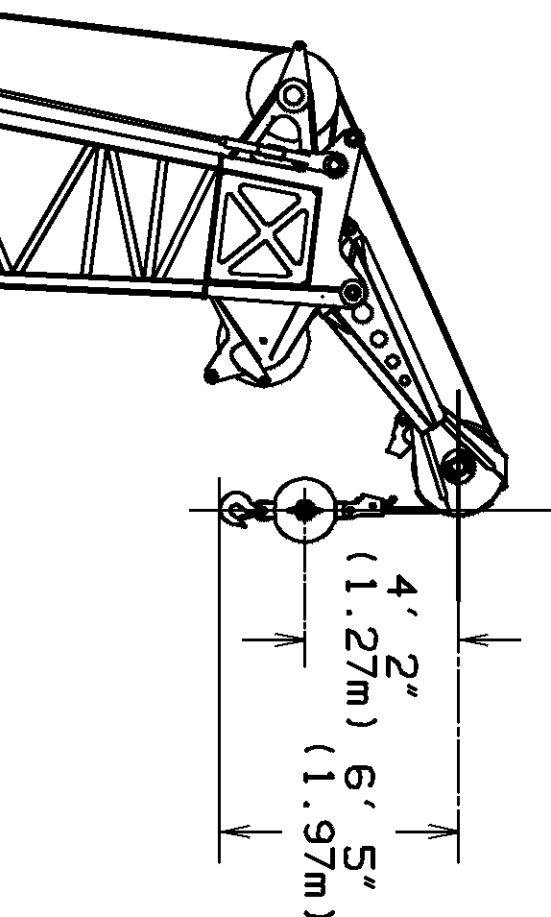
30 US TON (27 METRIC TON) BLOCK TO JIB POINT MINIMUM DISTANCE NO. 132 JIB - 2 PARTS OF LINE



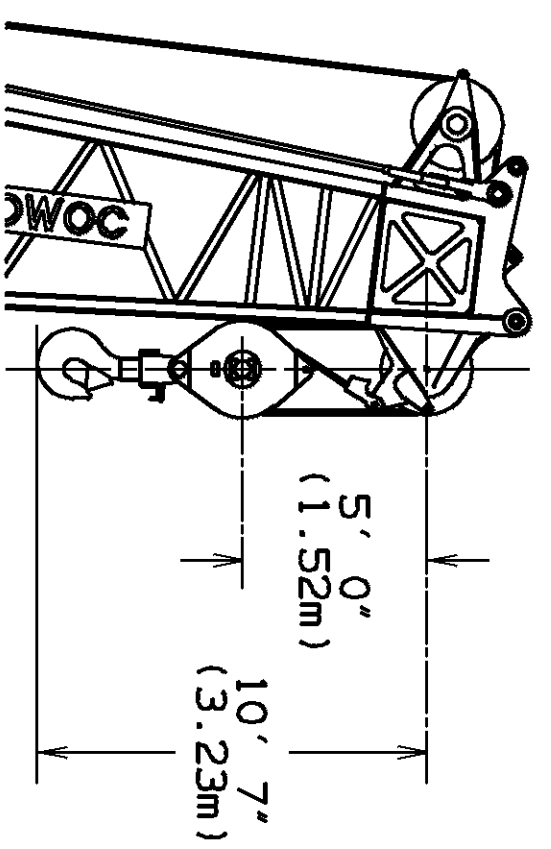
60 US TON (55 METRIC TON) BLOCK WITHOUT WEIGHT PLATES TO JIB POINT MINIMUM DISTANCE NO. 132 JIB - 4 PARTS OF LINE



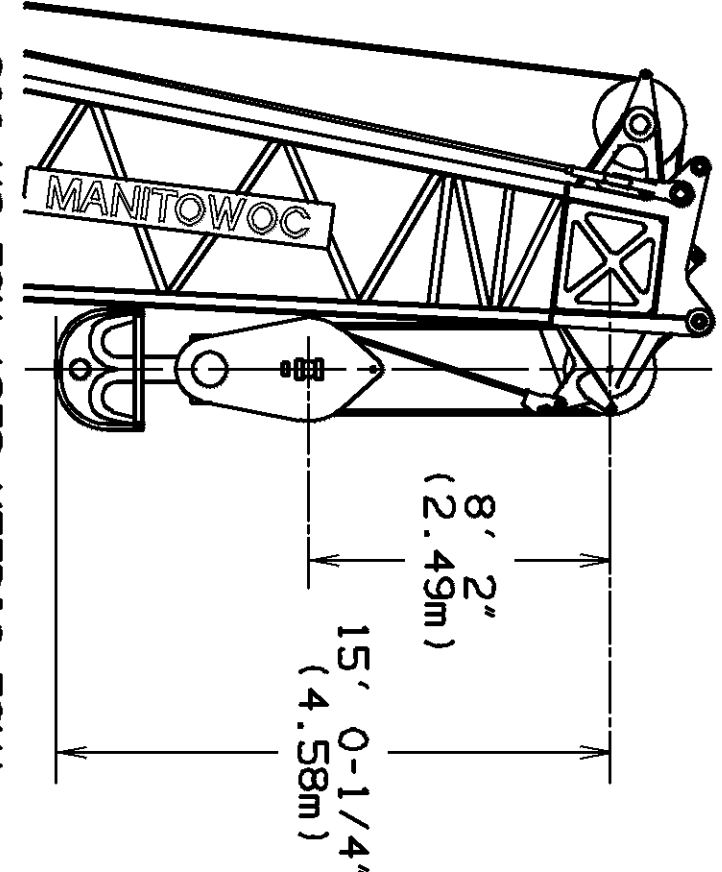
60 US TON (55 METRIC TON) BLOCK WITH WEIGHT PLATES TO JIB POINT MINIMUM DISTANCE NO. 132 JIB - 4 PARTS OF LINE



15 US TON (14 METRIC TON) SWIVEL HOOK & WEIGHT BALL TO UPPER BOOM POINT MINIMUM DISTANCE NO. 49A-44 BOOM - 1 PART OF LINE



100 US TON (91 METRIC TON) BLOCK TO BOOM POINT MINIMUM DISTANCE #49A-44 BOOM - 6 PARTS OF LINE



300 US TON (272 METRIC TON) BLOCK TO BOOM POINT MINIMUM DISTANCE #49A-44 BOOM - 18 PARTS OF LINE

MINIMUM DISTANCE MEASUREMENTS FROM MANITOWOC LOAD BLOCK TO BOOM POINT BASED ON 83 DEGREE BOOM ANGLE AND 2-1/2 DEGREE FLEET ANGLE OR PHYSICAL LIMITATIONS.

DATE	3/13/11	MANITOWOC ENGINEERING CO.	REVISION
6-7-95	REV. 1	MANITOWOC WISCONSIN	09-03-98 NVS
DRAWING NO.	MODEL	DIAGRAM - RANGE ASSEMBLY	
177069	M-250, 2250	NO. 49A-44 BOOM	
REV. 1	WITH MAST 130' MAX-ER 225	HANGING & WHEELED CTWT.	