

MANITOWOC CRANES, INC.

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

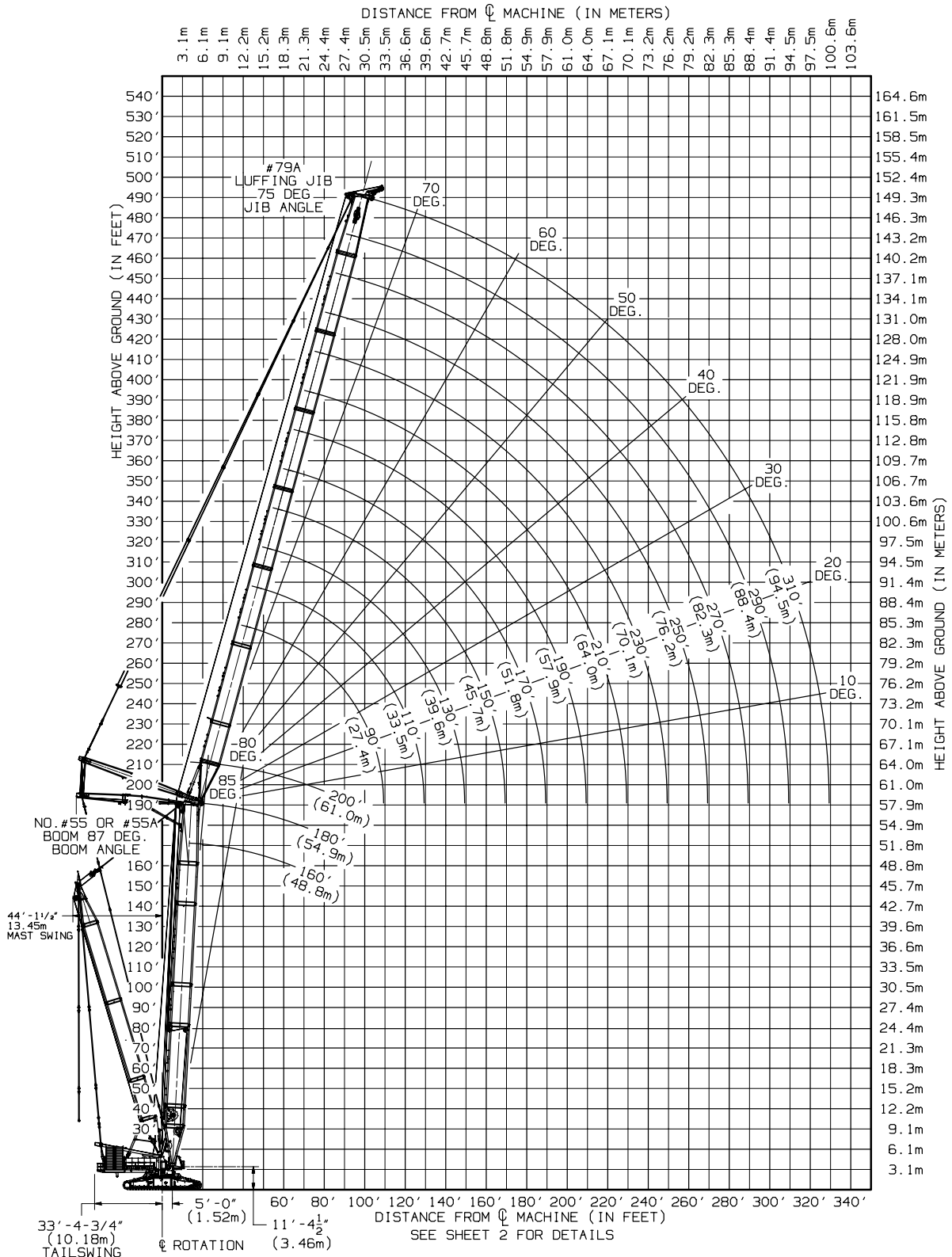
NOTE 2: FOR PLANNING A LIFT, THIS DRAWING IS TO BE USED IN CONJUNCTION WITH APPROPRIATE CAPACITY CHARTS, RANGE CHART, LOAD LINE SPECIFICATIONS, RIGGING DRAWING, AND OUTLINE DIMENSIONS.

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

NOTE 4: DISTANCE OF MANITOWOC LOAD BLOCK TO BOOM POINT OR JIB POINT BASED ON 2-1/2 DEGREE FLEET ANGLE OR PHYSICAL LIMITATIONS.

NOTE 5: WHEN EQUIPPED WITH BLOCK UP LIMIT CONTROL, LOAD BLOCK TO BOOM OR JIB POINT MINIMUM DISTANCE MAY BE MORE THAN INDICATED. SEE OPERATOR'S MANUAL FOR "BLOCK UP LIMIT CONTROL".

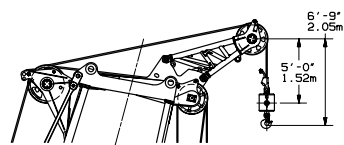
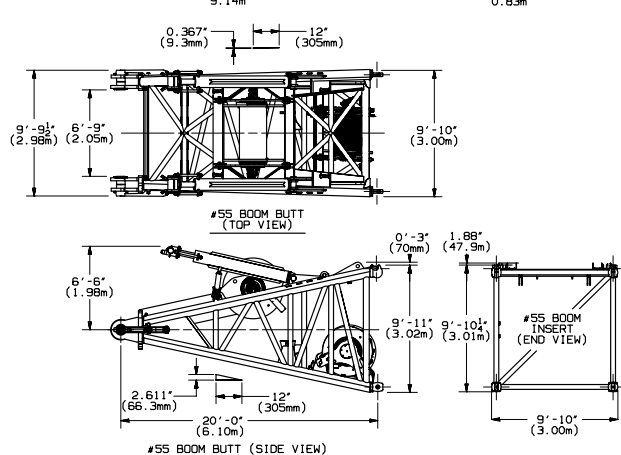
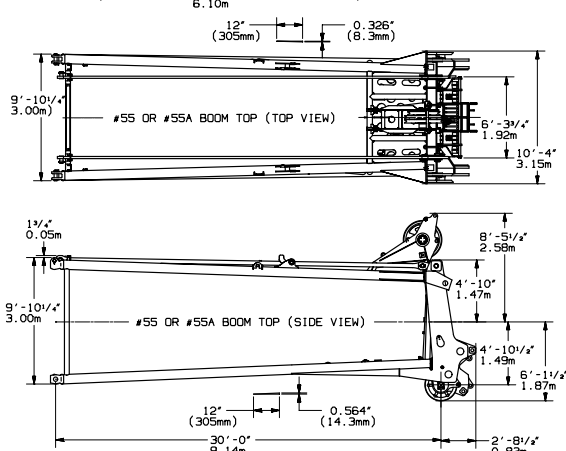
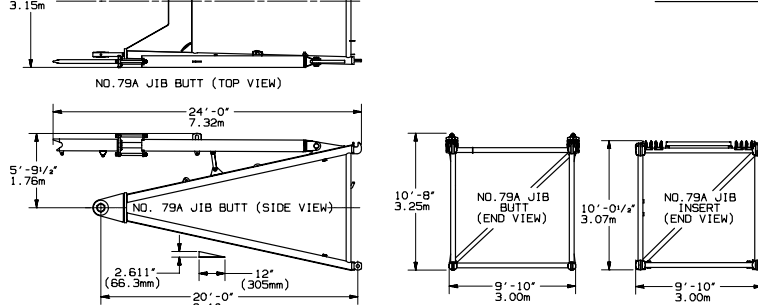
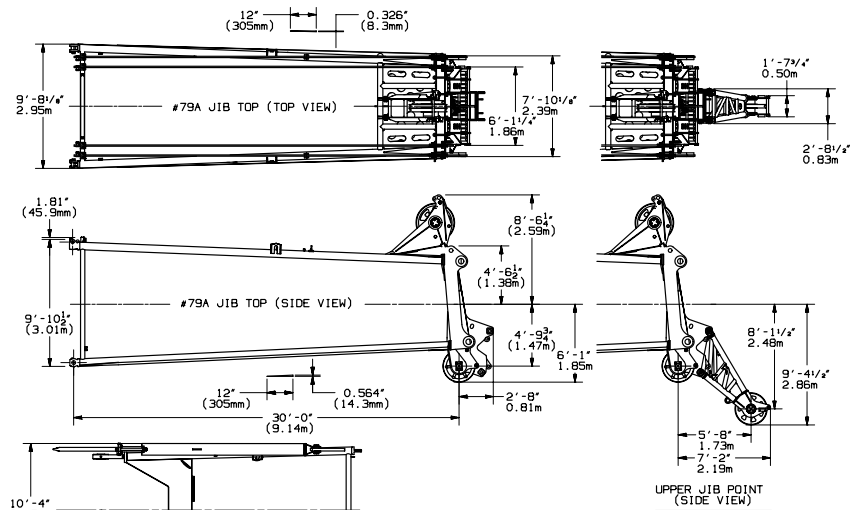
NOTE 6: MINIMUM DISTANCE FROM MANITOWOC SUPPLIED LOAD BLOCK TO JIB POINT SHOWN IS FOR WORST CASE. DISTANCE COULD BE LESS DEPENDING ON CONFIGURATION.



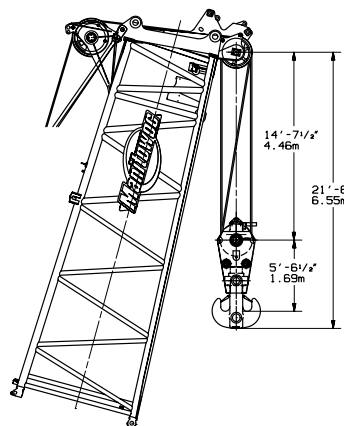
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RANGE DIAGRAM - 18000 W/140' MAST (#55 OR #55A BOOM #79A LUFFING JIB)

MANITOWOC CRANES, INC.



30 US TON (27 mTONNE)
WEIGHT BALL TO JIB POINT
MINIMUM DISTANCE
#79A LUFFING JIB - 1 PART OF LINE
MINIMUM DISTANCE MEASUREMENTS
BASED ON 87° BOOM ANGLE AND 75° LUFFING JIB



350 US TON (317.5 mTONNE) BLOCK TO JIB POINT
MINIMUM DISTANCE
#78A LUFFING JIB - 1 DRUM 18 PARTS OF LINE
MINIMUM DISTANCE MEASUREMENTS
BASED ON 87° BOOM ANGLE AND 75° LUFFING JIB