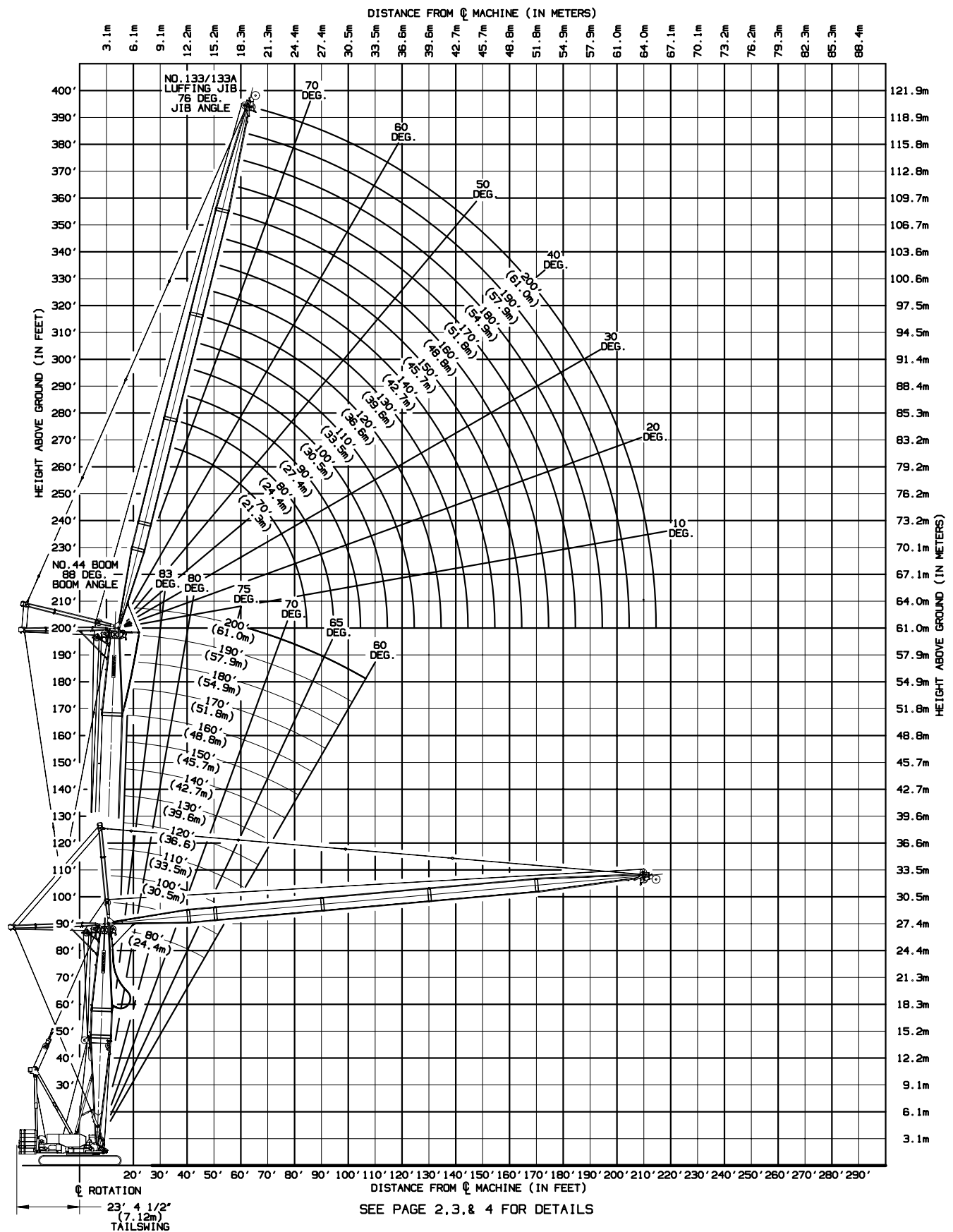
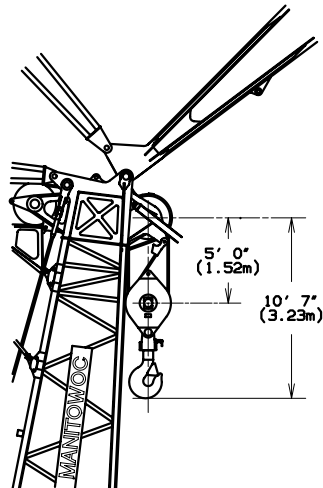
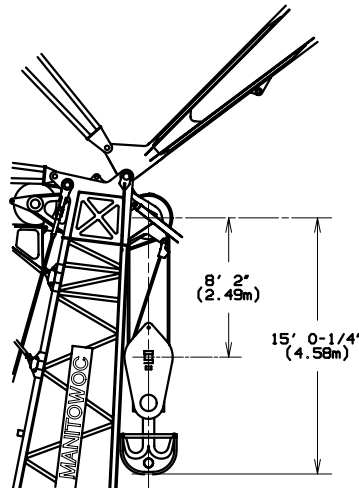




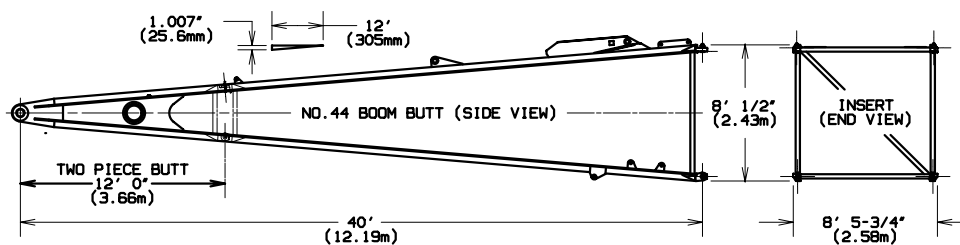
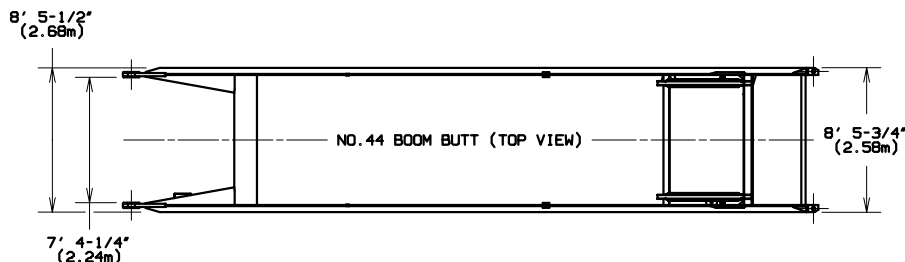
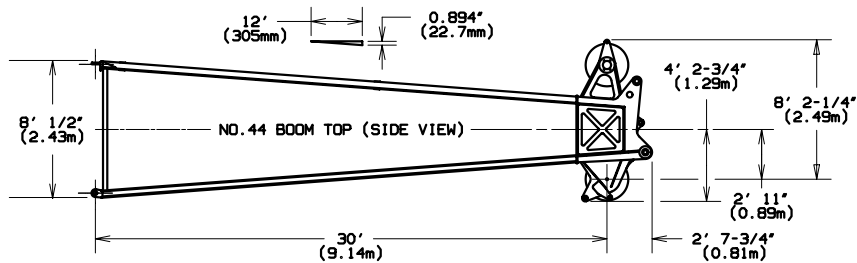
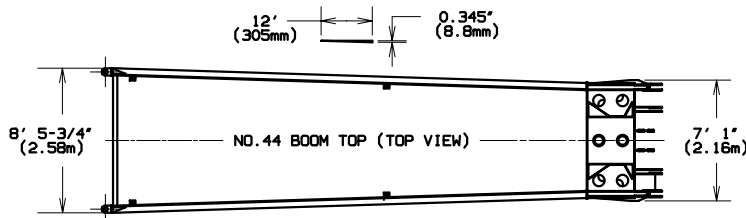


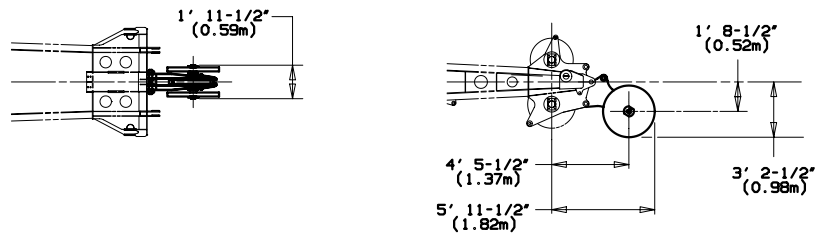
100 TON BLOCK TO BOOM POINT
MINIMUM DISTANCE
#44 BOOM - 6 PARTS OF LINE



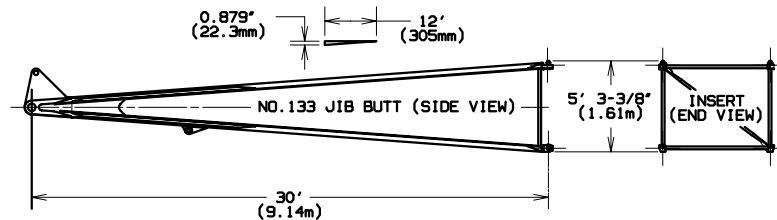
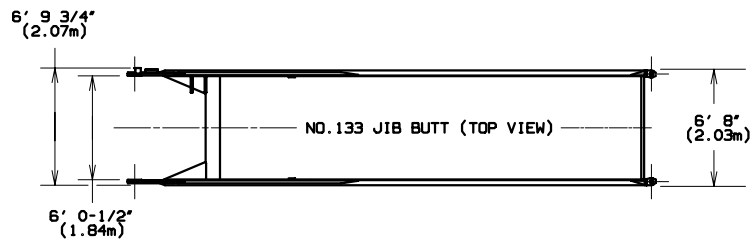
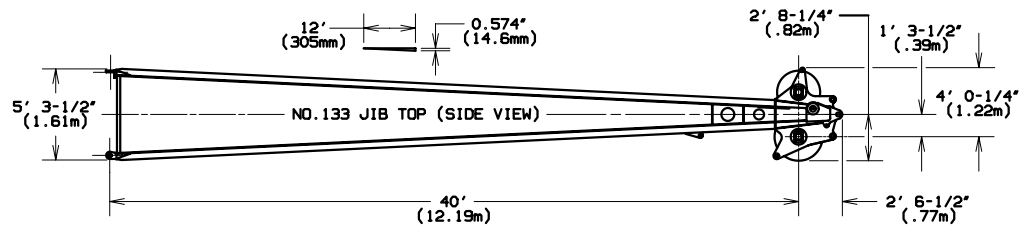
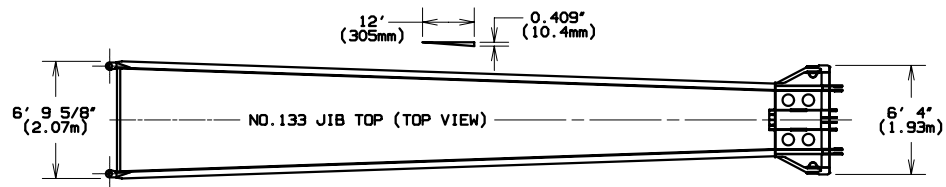
300 TON BLOCK TO BOOM POINT
MINIMUM DISTANCE
#44 BOOM - 18 PARTS OF LINE

MINIMUM DISTANCE MEASUREMENTS BASED ON 83° BOOM ANGLE.
BOOM ANGLES ABOVE 83° ARE NOT ALLOWED WITH A LOAD BLOCK
HANGING FROM THE LOWER BOOM POINT.

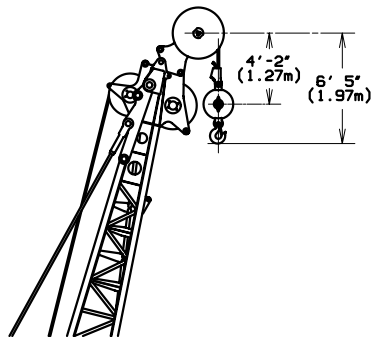




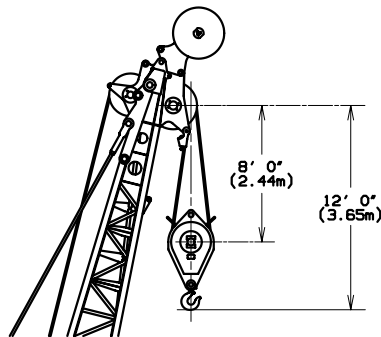
UPPER JIB POINT



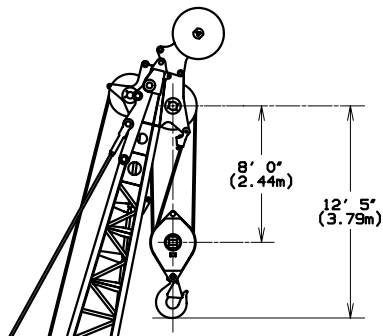
NOTE: JIB NO.133 (SHOWN) IS IDENTICAL TO JIB NO.133A EXCEPT FOR THE JIB CONNECTORS. JIB NO.133 HAS FACT CONNECTORS. JIB NO.133A HAS STANDARD CONNECTORS.



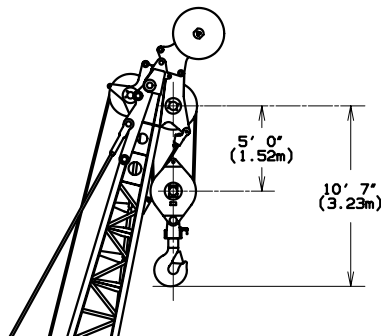
15 TON SWIVEL HOOK & WEIGHT BALL
TO UPPER JIB POINT MINIMUM DISTANCE
#133 JIB - 1 PART OF LINE



30 TON BLOCK TO JIB POINT
MINIMUM DISTANCE
#133 JIB - 2 PARTS OF LINE



60 TON BLOCK TO JIB POINT
MINIMUM DISTANCE
#133 JIB - 4 PARTS OF LINE



100 TON BLOCK TO JIB POINT
MINIMUM DISTANCE
#133 JIB - 6 PARTS OF LINE

MINIMUM DISTANCE MEASUREMENTS
BASED ON 76° JIB ANGLE.

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 BASED ON 2 1/2 DEGREE FLEET ANGLE OR PHYSICAL LIMITATIONS.

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

NOTE 6: MAXIMUM BOOM ANGLE 88 DEGREES FOR NO.44 BOOM WITH NO.133/133A LUFFING JIB. MAXIMUM JIB ANGLE 76 DEGREES FOR NO.133/133A LUFFING JIB WITH NO.44 BOOM AT AN 88 DEGREE BOOM ANGLE.

NOTE 7 JIB NO.133 (SHOWN) IS IDENTICAL TO JIB NO.133A EXCEPT FOR THE JIB CONNECTORS. JIB NO.133 HAS FACT CONNECTORS, JIB NO.133A HAS STANDARD CONNECTORS.