

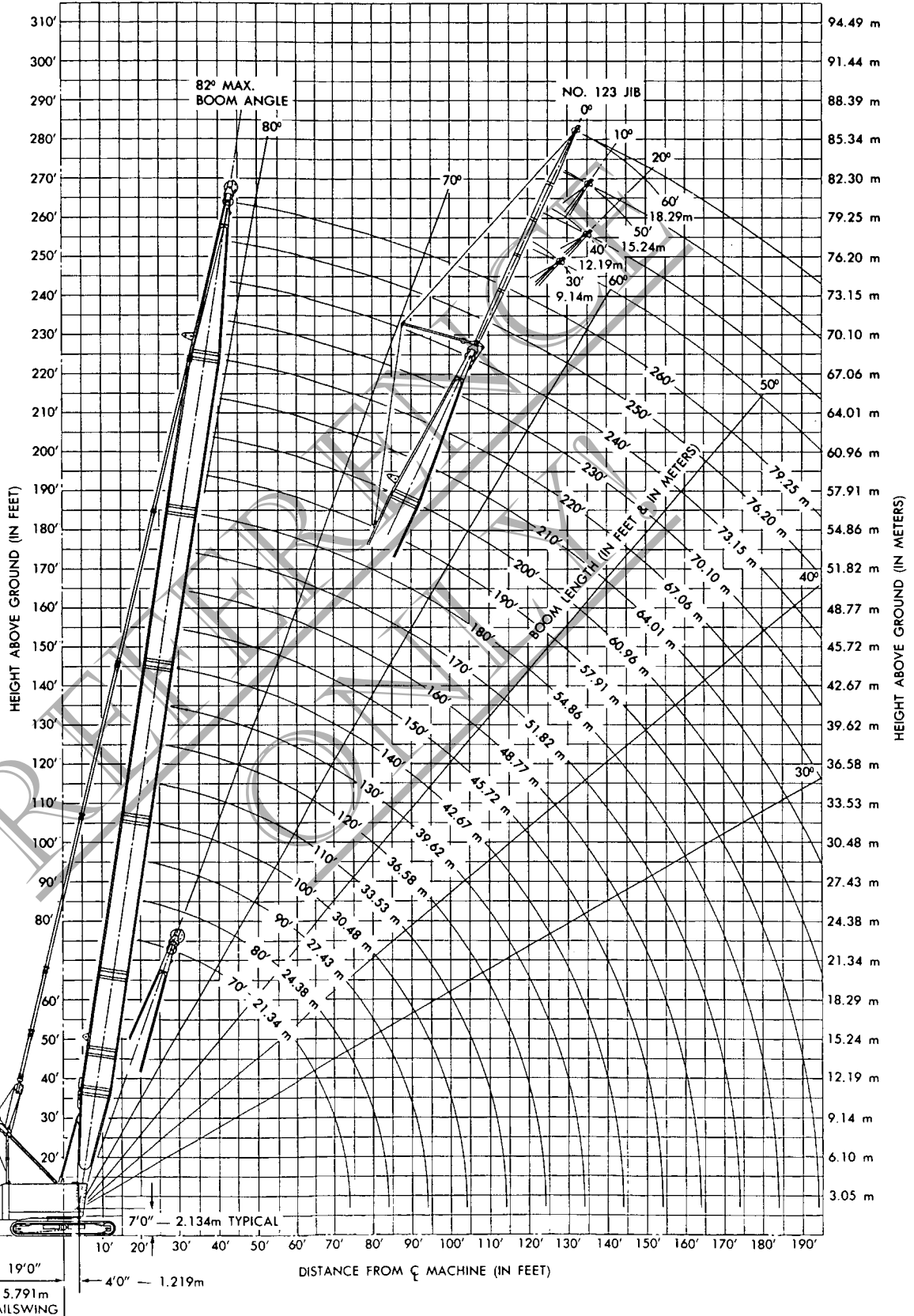
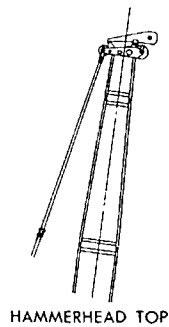
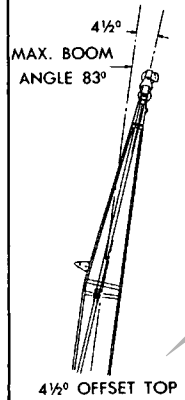
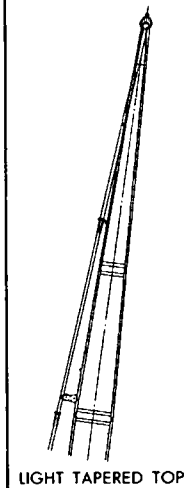
MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc.

Manitowoc, Wisconsin

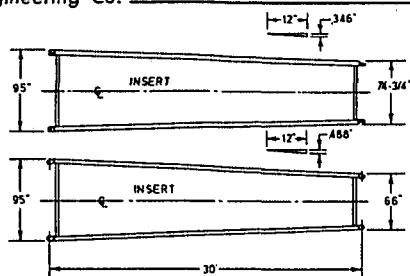
DISTANCE FROM ζ MACHINE
(IN METERS)

3.05 m 6.10 m 9.14 m 12.19 m 15.24 m 18.29 m 21.34 m 24.38 m 27.43 m 30.48 m 33.53 m 36.58 m 39.62 m 42.67 m 45.72 m 48.77 m 51.82 m 54.86 m 57.91 m

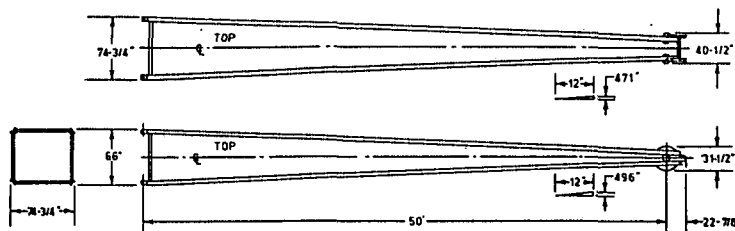


RANGE DIAGRAM — 4100W — 4100W S1 & S2 — NO. 22A OR 22C — BOOM NO. 123 JIB

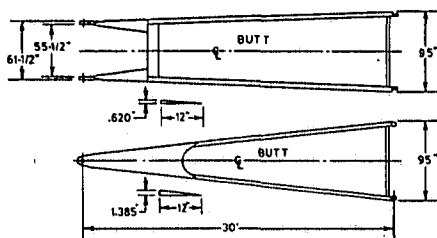
50807-1



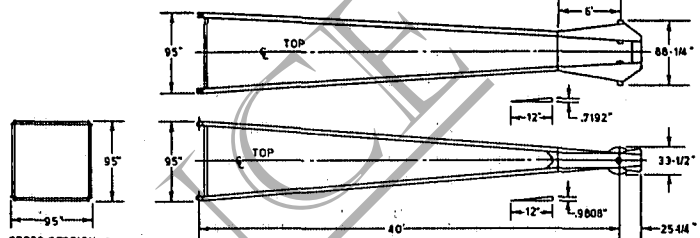
NO. 22A BOOM TAPERED INSERT



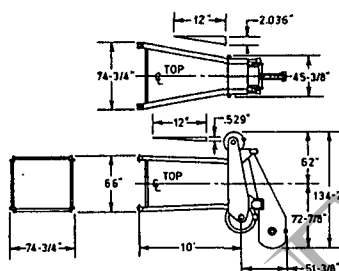
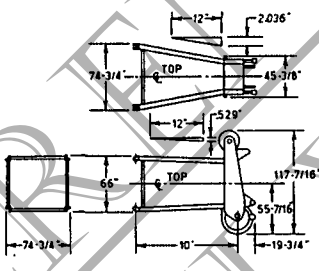
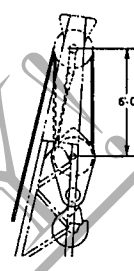
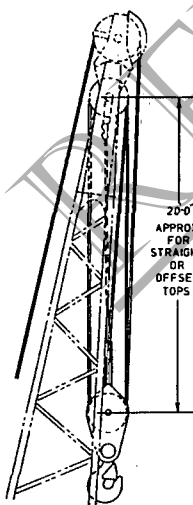
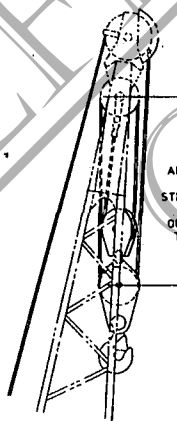
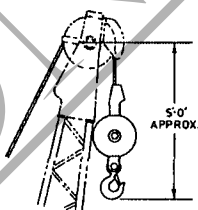
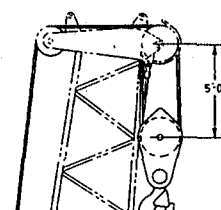
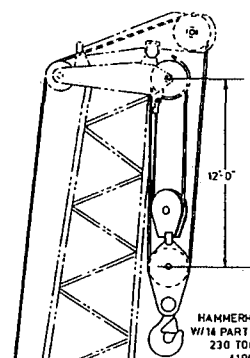
NO. 22A LIGHT TAPERED TOP (OPEN THROAT)



NO. 22A BOOM BUTT



NO. 22A OR NO. 22C BOOM TOP (OPEN THROAT)

NO. 22A HAMMERHEAD BOOM TOP
W/14 PART LOAD LINE & 230 TON BLOCKNO. 22A HAMMERHEAD BOOM TOP
W/12 PART LOAD LINE & 200 TON BLOCKNO. 22A BOOM TOP
200 TON BLOCK
W/12 PART LOAD LINE
4100WNO. 22C BOOM TOP
W/14 PART LOAD LINE &
230 TON BLOCK
4100W-S2NO. 22C BOOM TOP
W/14 PART LOAD LINE &
230 TON BLOCK
4100W-S2NO. 123 JIB SINGLE PART LINE
SWIVEL HOOK & WEIGHT BALLHAMMERHEAD TOP
W/12 PART LOAD LINE
200 TON BLOCK
4100W-S1HAMMERHEAD TOP
W/14 PART LOAD LINE
230 TON BLOCK
4100W-S2

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 DETAILED LAYOUT SHOULD BE PREPARED.

NOTE 4: WHEN EQUIPPED WITH HOIST LINE LIMIT SWITCH, CONTACT FACTORY FOR LOAD BLOCK TO BOOM POINT MINIMUM DISTANCE.

NOTE 5: DISTANCE OF MANITOWOC LOAD BLOCK TO BOOM POINT BASED ON 3° FLEET ANGLE OR PHYSICAL LIMITATIONS.

MAXIMUM BOOM ANGLE: 82° FOR NO. 22A OR 22C BOOM W/STRAIGHT TOP.

83° FOR NO. 22A OR 22C BOOM W/4½° OFFSET TOP AND NO. 22A BOOM W/HAMMERHEAD TOP.

DO NOT SCALE THIS DRAWING