

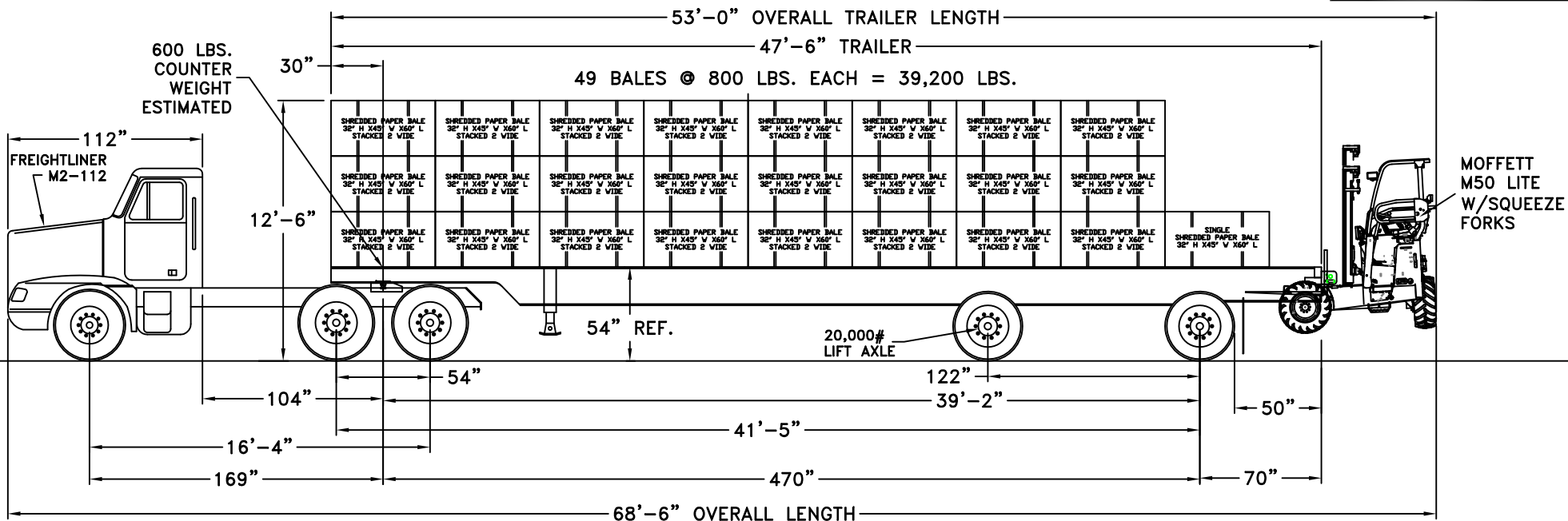
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REV. PART NO.  
M1799B

# TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD, LIFT AXLE UP.

TOTAL WEIGHT ON FRONT AXLE	= 9,330 LBS.
TOTAL WEIGHT ON TRACTOR TANDEM	= 10,510 LBS.
TOTAL WEIGHT ON TRAILER REAR AXLE	= 16,180 LBS.
GROSS COMBINATION WEIGHT	= 36,020 LBS.

## NOTES:

TRACTOR AND TRAILER CURB WEIGHTS ARE ESTIMATED.  
TRAILER KINGPIN AND TANDEM WEIGHT REQUIRED FOR AN ACCURATE CALCULATION.  
TOTAL TRAILER WEIGHT WAS PROVIDED.

\*TRAILERS LONGER THAN 48' ARE LIMITED TO DESIGNATED HIGHWAYS AND U.S. ROUTES.

# TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DIST., WITH PAYLOAD, LIFT AXLE DOWN.

TOTAL WEIGHT ON FRONT AXLE	= 9,330 LBS.
TOTAL WEIGHT ON TRACTOR TANDEM	= 26,680 LBS.
TOTAL WEIGHT ON TRAILER LIFT AXLE	= 19,500 LBS.
TOTAL WEIGHT ON TRAILER REAR AXLE	= 19,710 LBS.
PAYLOAD AS SHOWN (49 BALES)	= 39,200 LBS.
GROSS COMBINATION WEIGHT	= 75,220 LBS.

TRACTOR-TRAILER COMBINATION RUNS IN UTAH.  
14,000 LBS. ALLOWED ON FRONT AXLE GAWR.  
34,000 LBS. ALLOWED ON TRACTOR TANDEM.  
40,000 LBS. ALLOWED ON TRAILER TANDEM.  
48,000 LBS. ALLOWED FOR FEDERAL BRIDGE (16' - TRACTOR).  
69,500 LBS. ALLOWED FOR FEDERAL BRIDGE (41' - TRAILER).  
80,000 LBS. MAX. GROSS COMBINATION WEIGHT.  
\*MAXIMUM TRAILER LENGTH = 53'  
MAXIMUM OVERALL LENGTH = NO LIMIT WITH LEGAL TRAILER.

## TRACTOR SPECIFICATIONS

TRACTOR MODEL	= FREIGHTLINER M2-112
WHEELBASE	= 169"
CAB TO TANDEM	= 104"
AXLE-TO-FRAME	= 60"

FRONT AXLE CURB WEIGHT	= 9,000 LBS.
REAR AXLE CURB WEIGHT	= 8,000 LBS.
FRONT G.A.W.R.	= 14,000 LBS.
REAR G.A.W.R.	= 40,000 LBS.

## TRAILER SPECIFICATIONS

YIELD STRENGTH OF EACH STEEL I-BEAM	MINIMUM SECTION MODULUS REQUIRED
80,000 P.S.I. YIELD	= 31.10 in. <sup>3</sup>
100,000 P.S.I. YIELD	= 24.88 in. <sup>3</sup>
120,000 P.S.I. YIELD	= 20.74 in. <sup>3</sup>
MINIMUM RBM/I-BEAM OF 2,488,290 IN-LBS	

## NOTICE:

THE DRAWING PURPOSE IS TO INTRODUCE A GENERAL CONCEPT OF A PROPOSED IDEA.

## NOTICE:

THIS WEIGHT DISTRIBUTION IS BASED ON ESTIMATED WEIGHTS AND IS ONLY AS ACCURATE AS THOSE ESTIMATES. ACTUAL WEIGHTS MAY CHANGE THE RESULTS OF THIS WEIGHT DISTRIBUTION.

## Hiab, Inc.

Hiab, Inc.  
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Tolerances - unless otherwise noted.  
2-PLACE ±.000... .03  
3-PLACE ±.000... .015  
ANGULAR ± .000... 1/16"  
FRACTIONAL ± .000... 1/16"  
Break all sharp corners unless otherwise specified.

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Next Assy.

Dwg/Cad file no.

MOFFETT / SALES

Drawing Title:

MOFFETT M50 LITE W/SQUEEZE FORKS

Project Name:

SALES LAYOUT

Drawn by:

Date:

Approval:

Date Approved:

Size:

Scale:

unit wt.

Part No.

Eng. Job no.:

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