



REV. PART NO. M2427A

MOFFETT
FORK-LIFT
M55 BS
12' MAST

TOTAL = (5) BUNDLES @ 2,600 = 13,000 LBS.

(2) BUNDLES
5/8" SHEETROCK
SIDE BY SIDE
2,600 LBS. EA
5,200 TOTAL

(2) BUNDLES
5/8" SHEETROCK
SIDE BY SIDE
2,600 LBS. EA
5,200 TOTAL

(1) BUNDLE
5/8" SHEETROCK
CENTERED
2,600 LBS.

TRUCK, MOFFETT & ACESORIES WEIGHT DISTRIBUTION, NO PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 8,500 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 22,020 LBS.
FRONT AXLE WT. PERCENTAGE	= 28 %
TANDEM AXLE WT. PERCENTAGE	= 72 %
GROSS VEHICLE WEIGHT	= 30,520 LBS.

TRUCK, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 12,040 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 31,480 LBS.
FRONT AXLE WT. PERCENTAGE	= 28 %
TANDEM AXLE WT. PERCENTAGE	= 72 %
GROSS VEHICLE WEIGHT	= 43,520 LBS.
SPECIFIED PAYLOAD	= 13,000 LBS.
* WATER LEVEL PAYLOAD	= 15,020 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FREIGHTLINER 114SD
WHEELBASE	= 277"
CAB TO TANDEM	= 211 1/2"
AXLE TO FRAME	= 91"
FRONT AXLE TARE WEIGHT	= 9,700 LBS.
TANDEM AXLE TARE WEIGHT	= 8,600 LBS.
FRONT G.A.W.R.	= 18,000 LBS.
TANDEM G.A.W.R.	= 40,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
110,000 PSI YIELD	= 17.05 in. ³
120,000 PSI YIELD	= 15.63 in. ³
MINIMUM RBM/RAIL = 1,875,938 IN-LBS.	

NOTES:
DOUBLE FRAME CHASSIS REQUIRED.
FRAME RAIL WITH THE MINIMUM RBM REQUIRED.
FLATBED & LIFT AXLE WEIGHTS ARE ESTIMATED.
CURB WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN TEXAS.
18,000 LBS. ALLOWED ON FRONT AXLE GAWR.
34,000 LBS. ALLOWED ON TANDEM AXLE.
52,000 LBS. ALLOWED FOR GROSS WEIGHT.
MAXIMUM LEGAL OVERALL LENGTH IS 45'.

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.

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Tolerances - unless otherwise noted.
Tolerances are in inches.
2-PLACE .0000 .03
3-PLACE .0000 .015
ANGULAR 2 1/16"
FRACTIONAL 2 1/16"
Break all sharp corners unless otherwise specified.

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Next Assy.
Dwg/Cad file no.
MOFFETT / SALES

Drawing Title:
MOFFETT FORK-LIFT M55 12' MAST

Project Name:
SALES LAYOUT

Drawn by:	Date:	Size:	Part No.
CSV	2-23-17		
Approval:	Date Approved:	Scale:	unit wt.
			Eng. Job no.: