



TRUCK, MOFFETT & ACCESORIES WEIGHT DISTRIBUTION, <u>NO PAYLOAD.</u>	
TOTAL WEIGHT ON FRONT AXLE	= 7,240 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 23,380 LBS.
FRONT AXLE WT. PERCENTAGE	= 24 %
TANDEM AXLE WT. PERCENTAGE	= 76 %
GROSS VEHICLE WEIGHT	= 30,620 LBS.

TRUCK, MOFFETT & ACCESSORIES WEIGHT DIST., <u>WITH PAYLOAD.</u>	
TOTAL WEIGHT ON FRONT AXLE	= 13,540 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 34,000 LBS.
FRONT AXLE WT. PERCENTAGE	= 28 %
TANDEM AXLE WT. PERCENTAGE	= 72 %
GROSS VEHICLE WEIGHT	= 47,540 LBS.
PAYLOAD AS SHOWN-16' AREA	= 16,920 LBS.

*WATER LEVEL PAYLOAD = 13,200 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FREIGHTLINER 108SD
WHEELBASE	= 271"
CAB TO TANDEM	= 205 1/2"
AXLE TO FRAME	= 90 1/2"
FRONT AXLE CURB WEIGHT	= 9,000 LBS.
TANDEM AXLE CURB WEIGHT	= 8,400 LBS.
FRONT G.A.W.R.	= 18,000 LBS.
TANDEM G.A.W.R.	= 46,000 LBS.
YIELD STRENGTH OF EACH CHASSIS FRAME	MINIMUM SECTION MODULUS REQUIRED
120,000 PSI YIELD	= 17.56 in. ³
MINIMUM RBM/RAIL = 2,107,200 IN-LBS.	

NOTES:
 DOUBLE FRAME CHASSIS REQUIRED.
 FRAME RAIL WITH THE MIN. RBM REQUIRED.
 CURB WEIGHTS ARE ESTIMATED.
 FLATBED BODY WEIGHT IS ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 18,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEM.
 52,000 LBS. ALLOWED FOR GROSS WEIGHT.
 ALLOWABLE LEGAL OVERALL LENGTH IS 40'.

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.
 12233 Williams Road
 Perrysburg, Ohio 43551
 Tel (419) 482-6000
 Fax (419) 482-6001

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

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

Drawing Title:
MOFFETT M55P 12'-0" MAST

Project Name:
SALES LAYOUT

Drawn by: Date: Size: Part No.
J W 7-1-15

Approval: Date Approved: Scale: unit wt. Eng. Job no.: