



TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD ON TRAILER.	
TOTAL WEIGHT ON FRONT AXLE	= 9,710 LBS.
TOTAL WEIGHT ON TRACTOR TANDEM	= 11,380 LBS.
TOTAL WEIGHT ON TRAILER TANDEM	= 19,060 LBS.
GROSS COMBINATION WEIGHT	= 40,150 LBS.

TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD ON TRAILER.	
TOTAL WEIGHT ON FRONT AXLE	= 9,710 LBS.
TOTAL WEIGHT ON TRACTOR TANDEM	= 22,090 LBS.
TOTAL WEIGHT ON TRAILER TANDEM	= 34,000 LBS.
WATER LEVEL PAYLOAD	= 25,650 LBS.
GROSS COMBINATION WEIGHT	= 65,800 LBS.

TRACTOR SPECIFICATIONS	
TRACTOR MODEL	= FREIGHTLINER M2-112
WHEELBASE	= 148"
CAB TO TANDEM	= 84"
AXLE-TO-FRAME	= 56"
FRONT AXLE CURB WEIGHT	= 9,200 LBS.
REAR AXLE CURB WEIGHT	= 8,100 LBS.
FRONT G.A.W.R.	= 14,000 LBS.
REAR G.A.W.R.	= 44,000 LBS.

NOTES:
TRACTOR AND TRAILER CURB WEIGHTS ARE ESTIMATED.
TOTAL TRAILER WEIGHT AND TRAILER TANDEM WEIGHT
REQUIRED FOR AN ACCURATED CALCULATION.

TRACTOR TRAILER RUNS IN WASHINGTON.
14,000 LBS. ALLOWED ON FRONT AXLE GAWR.
34,000 LBS. ALLOWED ON TANDEM.
47,000 LBS. ALLOWED FOR 15' BRIDGE.
68,000 LBS. ALLOWED FOR 39' BRIDGE.
78,500 LBS. MAX. GROSS COMBINATION WEIGHT.
MAXIMUM TRAILER LENGTH = 53'.
MAXIMUM OVERALL LENGTH = NO LIMIT WITH LEGAL TRAILER

TRAILER SPECIFICATIONS	
YIELD STRENGTH OF EACH STEEL I-BEAM	MINIMUM SECTION MODULUS REQUIRED
80,000 P.S.I. YIELD	= 31.10 in. ³
100,000 P.S.I. YIELD	= 24.88 in. ³
120,000 P.S.I. YIELD	= 20.74 in. ³
MINIMUM RBM/I-BEAM OF 2,488,800 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. 12233 Williams Road Perrysburg, Ohio 43551 Tel (419) 482-6000 Fax (419) 482-6001 <small>Tolerances - unless otherwise noted. Tolerances are in inches 2-PLACE ±.000..... .03 3-PLACE ±.000..... .015 ANGULAR ±1' FRACTIONAL ±1/16" Break all sharp corners unless otherwise specified.</small>	THIS PROPERTY AND ALL INFORMATION THEREIN IS THE PROPERTY OF HIAB, INC., 12233 WILLIAMS RD, PERRYSBURG, OHIO 43551 AND IS CONFIDENTIAL. IT MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS LOANED TO RETURN UPON DEMAND AND SHALL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS. OUR PRIOR SPECIFIC APPROVAL IS REQUIRED FOR EXPOSURE OF THIS DRAWING TO OTHERS FOR ANY PURPOSE.	Drawing Title: MOFFETT M80, 10' MAST
	Next Assy. Dwg/Cad file no. MOFFETT / SALES	Project Name: SALES LAYOUT
		Size: Part No. Scale: unit wt. Eng. job no.: