



TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD ON TRAILER.	
TOTAL WEIGHT ON FRONT AXLE	= 9,370 LBS.
TOTAL WEIGHT ON TRACTOR TANDEM	= 11,680 LBS.
TOTAL WEIGHT ON TRAILER TANDEM	= 14,260 LBS.
GROSS COMBINATION WEIGHT	= 35,310 LBS.

TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD ON TRAILER.	
TOTAL WEIGHT ON FRONT AXLE	= 9,370 LBS.
TOTAL WEIGHT ON TRACTOR TANDEM	= 33,650 LBS.
TOTAL WEIGHT ON TRAILER TANDEM	= 25,730 LBS.
PAYLOAD AS SHOWN	= 33,440 LBS.
GROSS COMBINATION WEIGHT	= 68,750 LBS.
*WATER LEVEL PAYLOAD	= 31,770 LBS.

TRACTOR SPECIFICATIONS	
TRACTOR MODEL	= INTERNATIONAL 7600
WHEELBASE	= 152"
CAB TO TANDEM	= 85"
AXLE-TO-FRAME	= 57"
FRONT AXLE CURB WEIGHT	= 9,000 LBS.
REAR AXLE CURB WEIGHT	= 8,000 LBS.
FRONT G.A.W.R.	= 12,000 LBS.
REAR G.A.W.R.	= 40,000 LBS.

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

TRACTOR TRAILER COMBINATION RUNS IN US. (RULES FOR MOST STATES)
 12,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEMS.
 46,000 LBS. ALLOWED FOR 15' - TRACTOR.
 59,500 LBS. ALLOWED FOR 26' - TRAILER.
 71,000 LBS. MAX. GROSS COMBINATION WEIGHT.
 MAXIMUM TRAILER LENGTH = 53'-0".
 MAXIMUM OVERALL LENGTH = 65'-0".

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 2,488,290 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. 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 ±1/16" 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. Next Assy. Dwg/Cad file no.	Drawing Title: MOFFETT M45P STM	
		Project Name: SALES LAYOUT	
Approval: EJM	Date Approved: 9-3-15	Scale: N/A	Part No.
MOFFETT / SALES		unit wt.	Eng. Job no.: