



| TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD ON TRAILER. | |
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| TOTAL WEIGHT ON FRONT AXLE | = 9,900 LBS. |
| TOTAL WEIGHT ON TRACTOR TANDEM | = 13,370 LBS. |
| TOTAL WEIGHT ON TRAILER TANDEM | = 17,710 LBS. |
| GROSS COMBINATION WEIGHT | = 40,980 LBS. |

| TRACTOR & TRAILER, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD ON TRAILER. | |
|---|---------------|
| TOTAL WEIGHT ON FRONT AXLE | = 10,350 LBS. |
| TOTAL WEIGHT ON TRACTOR TANDEM | = 24,650 LBS. |
| TOTAL WEIGHT ON TRAILER TANDEM | = 34,000 LBS. |
| WATER LEVEL PAYLOAD | = 28,020 LBS. |
| GROSS COMBINATION WEIGHT | = 69,000 LBS. |

| TRACTOR SPECIFICATIONS | |
|------------------------|-------------------|
| TRACTOR MODEL | = STERLING LT9513 |
| WHEELBASE | = 160" |
| CAB TO TANDEM | = 96" |
| AXLE-TO-FRAME | = 60" |
| 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. | = 40,000 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 GEORGIA.
14,000 LBS. ALLOWED ON FRONT AXLE GAWR.
34,000 LBS. ALLOWED ON TANDEMS.
47,000 LBS. ALLOWED FOR FEDERAL BRIDGE (15' - TRACTOR).
64,000 LBS. ALLOWED FOR FEDERAL BRIDGE (33' - TRAILER).
75,500 LBS. MAX. GROSS COMBINATION WEIGHT.
MAXIMUM TRAILER LENGTH = 53'
MAXIMUM OVERALL LENGTH = 100'

| 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.

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| Hiab, Inc. Hiab, Inc. 12233 Williams Road Perrysburg, Ohio 43551 Tel (419) 482-6000 Fax (419) 482-6001 <small>Tolerances - unless otherwise noted. 2-PLACE ±.000..... .05 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. | | Drawing Title: MOFFETT M45P STM LP | |
| Project Name: SALES LAYOUT | | Drawing by: Date: J W 10/10/08 | | Size: Part No. | |
| Dwg/Cad file no. MOFFETT / SALES | | Approval: Date Approved: | | Scale: unit wt. Eng. Job no.: | |
| | | N/A | | | |