



REV. PART NO. M2227

25' USABLE BED LENGTH
 PAYLOAD = (5) LOADED PALLETS @ 4,000 lbs. = 20,000 lbs.
 (5) EMPTY PALLETS @ 240 lbs. = 1,200 lbs.
 TOTAL = 21,200 lbs.

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| 2 EMPTY PALLETS SIDE BY SIDE 240 LBS EACH 480 LBS TOTAL | 2 LOADED PALLETS SIDE BY SIDE 4,000 LBS EACH 8,000 LBS TOTAL | 2 LOADED PALLETS SIDE BY SIDE 4,000 LBS EACH 8,000 LBS TOTAL | 1 LOADED PALLET 4,000 LBS 1 EMPTY PALLET 240 LBS 4,240 LBS TOTAL | 2 EMPTY PALLETS SIDE BY SIDE 240 LBS EACH 480 LBS TOTAL |
|--|---|---|--|--|

MOFFETT
M45P STM
10' MAST

| TRUCK, MOFFETT & ACCESORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD. | |
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| TOTAL WEIGHT ON FRONT AXLE | = 9,300 LBS. |
| TOTAL WEIGHT ON TANDEM AXLE | = 19,380 LBS. |
| FRONT AXLE WT. PERCENTAGE | = 32 % |
| TANDEM AXLE WT. PERCENTAGE | = 68 % |
| GROSS VEHICLE WEIGHT | = 28,680 LBS. |

| TRUCK, MOFFETT & ACCESORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD. | |
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| TOTAL WEIGHT ON FRONT AXLE | = 16,070 LBS. |
| TOTAL WEIGHT ON TANDEM AXLE | = 33,810 LBS. |
| FRONT AXLE WT. PERCENTAGE | = 32 % |
| TANDEM AXLE WT. PERCENTAGE | = 68 % |
| GROSS VEHICLE WEIGHT | = 49,880 LBS. |
| PAYLOAD AS SHOWN | = 21,200 LBS. |

| TRUCK SPECIFICATIONS | |
|--------------------------------------|----------------------------------|
| TRUCK MODEL | = FREIGHTLINER 114SD |
| WHEELBASE | = 277" |
| CAB TO TANDEM | = 211 1/2" |
| AXLE TO FRAME | = 94 1/2" |
| 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 |
| 120,000 PSI YIELD | = 11.62 in. ³ |
| MINIMUM RBM/RAIL = 1,394,250 IN-LBS. | |

*WATER LEVEL PAYLOAD = 18,290 LBS.

NOTES:
 DOUBLE FRAME CHASSIS REQUIRED.
 FRAME RAIL WITH THE MINIMUM RBM REQUIRED.
 FLATBED WEIGHT IS ESTIMATED.
 CURB WEIGHTS WERE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 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 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.

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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. Tolerances are in inches</small> 2-PLACE ±.000... .03 3-PLACE ±.000... .015 ANGULAR ±1° FRACTIONAL ±1/16" Break all sharp corners unless otherwise specified. | 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 FORK-LIFT Project Name: M45P STM 10'-0" MAST |
| | Next Assy. Dwg/Cad file no. MOFFETT / SALES | Drawn by: Date: EJM 9-3-15 Approval: Date Approved: |