



REV. PART NO. M2128

| TRUCK, MOFFETT & ACCESORIES WEIGHT DISTRIBUTION, <u>NO PAYLOAD.</u> | |
|---|---------------|
| TOTAL WEIGHT ON FRONT AXLE | = 9,630 LBS. |
| TOTAL WEIGHT ON TANDEM AXLE | = 24,540 LBS. |
| FRONT AXLE WT. PERCENTAGE | = 28 % |
| TANDEM AXLE WT. PERCENTAGE | = 72 % |
| GROSS VEHICLE WEIGHT | = 34,170 LBS |

| TRUCK, MOFFETT & ACCESORIES WEIGHT DISTRIBUTION, <u>WITH PAYLOAD.</u> | |
|---|---------------|
| TOTAL WEIGHT ON FRONT AXLE | = 11,750 LBS. |
| TOTAL WEIGHT ON TANDEM AXLE | = 34,000 LBS. |
| FRONT AXLE WT. PERCENTAGE | = 26 % |
| TANDEM AXLE WT. PERCENTAGE | = 74 % |
| GROSS VEHICLE WEIGHT | = 45,750 LBS. |
| WATER LEVEL PAYLOAD | = 11,580 LBS. |

| TRUCK SPECIFICATIONS | |
|--------------------------------------|----------------------------------|
| TRUCK MODEL | = KENWORTH T880 |
| WHEELBASE | = 268" |
| CAB TO TANDEM | = 194" |
| AXLE TO FRAME | = 89" |
| FRONT AXLE TARE WEIGHT | = 11,300 LBS. |
| TANDEM AXLE TARE WEIGHT | = 9,660 LBS. |
| FRONT G.A.W.R. | = 20,000 LBS. |
| TANDEM G.A.W.R. | = 46,000 LBS. |
| YIELD STRENGTH OF EACH FRAME RAIL | MINIMUM SECTION MODULUS REQUIRED |
| 110,000 PSI YIELD | = 17.05 in. ³ |
| MINIMUM RBM/RAIL = 1,875,938 IN-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).
 20,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEM.
 54,000 LBS. ALLOWED 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.
 Dwg/Cad file no.
MOFFETT / SALES

Drawing Title:
MOFFETT M55P 10'-0" MAST

Project Name:
SALES LAYOUT

Drawn by: Date: Size: Part No.
 TAS 6/5/14
 Approval: Date Approved: Scale: unit wt. Eng. Job no.: