



| TRUCK, HIAB CRANE & ACCESSORIES<br>WEIGHT DISTRIBUTION, NO PAYLOAD. |               |
|---|---------------|
| TOTAL WEIGHT ON FRONT AXLE  | = 8,960 LBS.  |
| TOTAL WEIGHT ON REAR AXLE   | = 17,630 LBS. |
| FRONT AXLE WT. PERCENTAGE   | = 34 %        |
| REAR AXLE WT. PERCENTAGE  | = 66 %        |
| GROSS VEHICLE WEIGHT  | = 26,590 LBS. |

| TRUCK, HIAB CRANE & ACCESSORIES<br>WEIGHT DISTRIBUTION, WITH PAYLOAD. |               |
|---|---------------|
| TOTAL WEIGHT ON FRONT AXLE  | = 13,870 LBS. |
| TOTAL WEIGHT ON REAR AXLE   | = 34,000 LBS. |
| FRONT AXLE WT. PERCENTAGE   | = 29 %        |
| REAR AXLE WT. PERCENTAGE  | = 71 %        |
| GROSS VEHICLE WEIGHT  | = 47,870 LBS. |
| WATER LEVEL PAYLOAD   | = 21,280 LBS. |

| TRUCK SPECIFICATIONS   |                       |
|------------------------|-----------------------|
| TRUCK MODEL            | = FREIGHTLINER M2-112 |
| WHEELBASE              | = 234"                |
| CAB TO TANDEM          | = 168"                |
| AXLE-TO-FRAME          | = 98"                 |
| FRONT AXLE TARE WEIGHT | = 9,200 LBS.          |
| REAR AXLE TARE WEIGHT  | = 8,100 LBS.          |
| FRONT G.A.W.R.         | = 20,000 LBS.         |
| REAR G.A.W.R.          | = 44,000 LBS.         |

| YIELD STRENGTH OF EACH FRAME RAIL    | MINIMUM SECTION MODULUS REQUIRED |
|--------------------------------------|----------------------------------|
| 120,000 P.S.I. YIELD                 | = 19.64 in. <sup>3</sup>         |
| MINIMUM RBM/RAIL OF 2,356,844 IN-LBS |                                  |

**NOTES:**  
 FRAME RAIL MUST MEET THE MINIMUM RBM REQUIRED.  
 RISER REQUIRED FOR OUTRIGGER CLEARANCE:  
 4"x4"x3/8" SQ. TUBING (ON TOP OF FRAME RAIL)  
 3"x3"x3/8" SQ. TUBING (CROSSMEMBERS EVERY 3 FT.)  
 FLATBED WEIGHTS ARE ESTIMATED.  
 CURB WEIGHTS ARE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).  
 20,000 LBS. ALLOWED ON FRONT AXLE GAWR.  
 34,000 LBS. ALLOWED ON TANDEM AXLE.  
 52,500 LBS. ALLOWED FOR GROSS WEIGHT.  
 MAXIMUM LENGTH CANNOT EXCEED 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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|---|---|---|
| <b>Hiab, Inc.</b><br>Hiab, Inc.<br>12233 Williams Road<br>Perrysburg, Ohio 43551<br>Tel (419) 482-6000<br>Fax (419) 482-6001<br><small>Tolerances - unless otherwise noted.<br/>                 Tolerances are in inches.</small><br>2-PLACE ±.00..... .03<br>3-PLACE ±.000..... .015<br>ANGULAR ± .....1°<br>FRACTIONAL ± .....1/16"<br><small>Break all sharp corners<br/>                 unless otherwise specified.</small> | THIS PROPERTY AND ALL INFORMATION THEREIN<br>THE PROPERTY OF HIAB, INC., 12233 WILLIAMS RD,<br>PERRYSBURG, OHIO 43551 AND IS CONFIDENTIAL. IT<br>MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING<br>IS LOANED TO RETURN UPON DEMAND AND SHALL NOT<br>BE USED DIRECTLY OR INDIRECTLY IN ANY WAY<br>DETRIMENTAL TO OUR INTERESTS. OUR PRIOR SPECIFIC<br>APPROVAL IS REQUIRED FOR EXPOSURE OF THIS<br>DRAWING TO OTHERS FOR ANY PURPOSE. | Drawing Title:<br><b>HIAB 188B-2 HIDUO</b>      |
|   | Dwg/Cad file no.<br><b>188/ SALES</b>   | Project Name:<br><b>SALES LAYOUT</b>            |
| Next Assy.  | Approval: Date Approved:  | Size: Part No.<br>Scale: unit wt. Eng. job no.: |