



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 4,620 LBS.
TOTAL WEIGHT ON REAR AXLE	= 13,450 LBS.
FRONT AXLE WT. PERCENTAGE	= 25 %
REAR AXLE WT. PERCENTAGE	= 75 %
GROSS VEHICLE WEIGHT	= 18,070 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 4,620 LBS.
TOTAL WEIGHT ON REAR AXLE	= 14,700 LBS.
FRONT AXLE WT. PERCENTAGE	= 24 %
REAR AXLE WT. PERCENTAGE	= 76 %
GROSS VEHICLE WEIGHT	= 19,320 LBS.
PAYLOAD EVENLY DISTRIBUTED	= 1,250 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= FORD F550 4X4
WHEELBASE	= 165"
CAB TO AXLE	= 84"
AXLE-TO-FRAME	= 48", 76" AF REQ'D
FRONT AXLE CURB WEIGHT	= 4,742 LBS.
REAR AXLE CURB WEIGHT	= 3,234 LBS.
FRONT G.A.W.R.	= 6,500 LBS.
REAR G.A.W.R.	= 14,706 LBS.

YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
36,000 P.S.I. YIELD	= 29.00 in. ³
MINIMUM RBM/RAIL OF 1,044,000 IN-LBS	

NOTE:
 FRAME RAIL MUST MEET OR EXCEED THE MINIMUM RBM REQUIRED.
 FULL LENGTH SUB-FRAME REQUIRED.
 5" x 3" x 3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 4" x 3" x 3/8" RECT. TUBING (CROSSMEMBERS)
 FLATBED WEIGHTS ARE ESTIMATED.
 CURB WEIGHTS WERE ESTIMATED.

TRUCK RUNS IN US (RULES FOR MOST STATES).
 6,500 LBS. ALLOWED ON FRONT AXLE.
 14,706 LBS. ALLOWED ON REAR AXLE.
 19,500 LBS. ALLOWED FOR GROSS WEIGHT.

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°
 FRACTIONAL ±1/16"

Next Assy.
 Dwg/Cad file no.
 077 / SALES

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:
 HIAB 077 B-2 HIDUO CRANE

Project Name:
 SALES LAYOUT

Drawn by/Date:
 J W 07-8-16

Size: unit wt. **Part No.:** Eng. job no.:

Approval: Date Approved: **Scale:**