



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 14,990 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 16,400 LBS.
FRONT AXLE WT. PERCENTAGE	= 48 %
TANDEM AXLE WT. PERCENTAGE	= 52 %
GROSS VEHICLE WEIGHT	= 31,390 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 14,840 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 34,000 LBS.
FRONT AXLE WT. PERCENTAGE	= 30 %
TANDEM AXLE WT. PERCENTAGE	= 70 %
GROSS VEHICLE WEIGHT	= 48,840 LBS.
PAYLOAD EVENLY DISTRIBUTED	= 17,450 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= INTERNATIONAL 7500 SFA
WHEELBASE	= 230"
CAB TO TANDEM	= 155"
AXLE-TO-FRAME	= 98"
FRONT TARE WEIGHT	= 9,200 LBS.
TANDEM 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
110,000 P.S.I. YIELD	= 21.78 in. ³
120,000 P.S.I. YIELD	= 19.97 in. ³
MINIMUM RBM/RAIL OF 2,396,000 IN-LBS	

NOTES:
 FRAME RAIL MUST MEET OR EXCEED THE MIN. RBM REQUIRED.
 RISER REQUIRED FOR OUTRIGGER CLEARANCE:
 6"x4"x3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 5"x3"x3/8" RECT. TUBING (CROSSMEMBERS EVERY 3 FT.)
 FLATBED & TARE WEIGHTS ARE 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.
 OVERALL LENGTH MUST NOT 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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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. **211 / SALES**

Drawing Title: HIAB 211EP-3 DUO CRANE			
Project Name: SALES LAYOUT			
Drawn by: J W	Date: 8-12-15	Size:	Part No.:
Approval:	Date Approved:	Scale:	unit wt.
			Eng. Job no.: