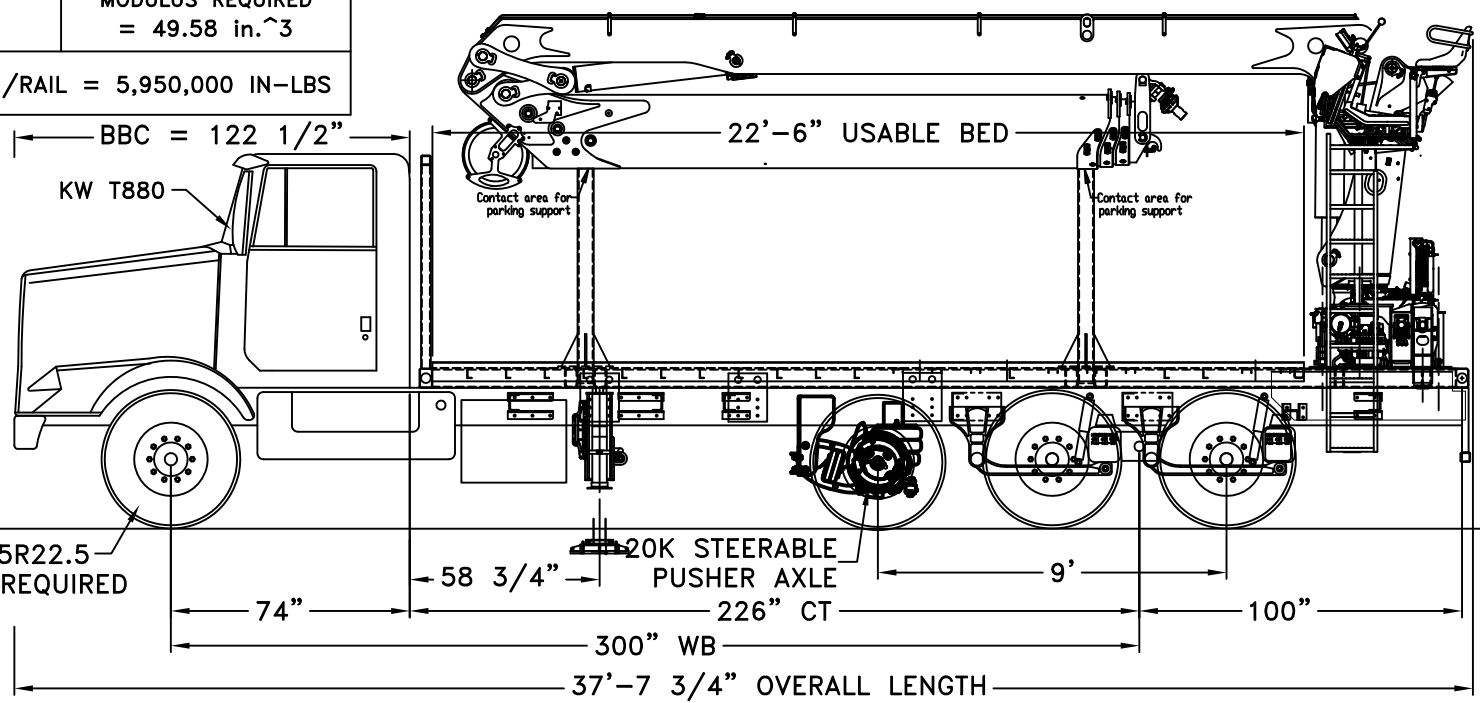


REV. PART NO. H3284

YIELD STRENGTH
120,000 P.S.I. YIELD

CRANE MINIMUM SECTION
MODULUS REQUIRED
= 49.58 in.³

CRANE MINIMUM RBM/RAIL = 5,950,000 IN-LBS



CRANE MAY BE DERATED IN FRONT QUADRANTS AS MUCH AS 50%. ACTUAL DERATING SHALL BE BASED ON PHYSICAL TESTING.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD, LIFT AXLE UP.	
TOTAL WEIGHT ON FRONT AXLE	= 16,760 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 28,790 LBS.
FRONT AXLE WT. PERCENTAGE	= 37 %
TANDEM AXLE WT. PERCENTAGE	= 63 %
GROSS VEHICLE WEIGHT	= 45,550 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD, LIFT AXLE DOWN.	
TOTAL WEIGHT ON FRONT AXLE	= 18,510 LBS.
TOTAL WEIGHT ON LIFT AXLE	= 8,500 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 32,990 LBS.
FRONT AXLE WT. PERCENTAGE	= 31 %
LIFT AXLE WT. PERCENTAGE	= 14 %
TANDEM AXLE WT. PERCENTAGE	= 55 %
GROSS VEHICLE WEIGHT	= 60,000 LBS.
PAYLOAD EVENLY DISTRIBUTED	= 14,450 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= KENWORTH T880
WHEELBASE	= 300"
CAB TO TANDEM	= 226"
AXLE-TO-FRAME	= 100"
FRONT AXLE CURB WEIGHT	= 11,903 LBS.
TANDEM AXLE CURB WEIGHT	= 8,658 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
TANDEM G.A.W.R.	= 46,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	120,000 P.S.I. YIELD
MINIMUM SECTION MODULUS REQUIRED	= 38.00 in. ³
MINIMUM RBM/RAIL = 4,560,000 IN-LBS	

NOTES:
 DOUBLE FRAME CHASSIS REQUIRED.
 FRAME RAIL MINIMUM OF 38.0 SECTION MODULUS REQUIRED.
 FULL LENGTH SUB-FRAME REQUIRED:
 6" x 4" x 3/8" RECT. TUBING (ON TOP OF FRAME RAIL)
 5" x 3" x 3/8" RECT. TUBING (CROSSMEMBERS EVERY 3 FT.)
 BODY WEIGHTS ARE ESTIMATED.
 CURB WEIGHTS WERE PROVIDED.

TRUCK RUNS IN US (RULES FOR MOST STATES)
 20,000 LBS. ALLOWED ON FRONT AXLE GAWR.
 34,000 LBS. ALLOWED ON TANDEM.
 42,500 LBS. ALLOWED ON TRIDEM (9').
 60,000 LBS. ALLOWED FOR GROSS WEIGHT.
 ALLOWABLE LEGAL OVERALL LENGTH IS 40'.

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 Hiab, Inc. 12233 Williams Road Perrysburg, Ohio 43551 Tel (419) 482-6000 Fax (419) 482-6001		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: HAIB 410K-3	
Tolerances - unless otherwise noted. Tolerances are in inches 2-PLACE ±.000... .03 3-PLACE ±.000... .015 ANGULAR ±/16" FRACTIONAL ±/16" Break all sharp corners unless otherwise specified.		Next Assy. Dwg/Cad file no. 410K / SALES		Project Name: SALES LAYOUT	
Approved: SMG Date Approved: 7-5-16		Size: 7-5-16 Scale:		Part No. unit wt. Eng. Job no.:	