

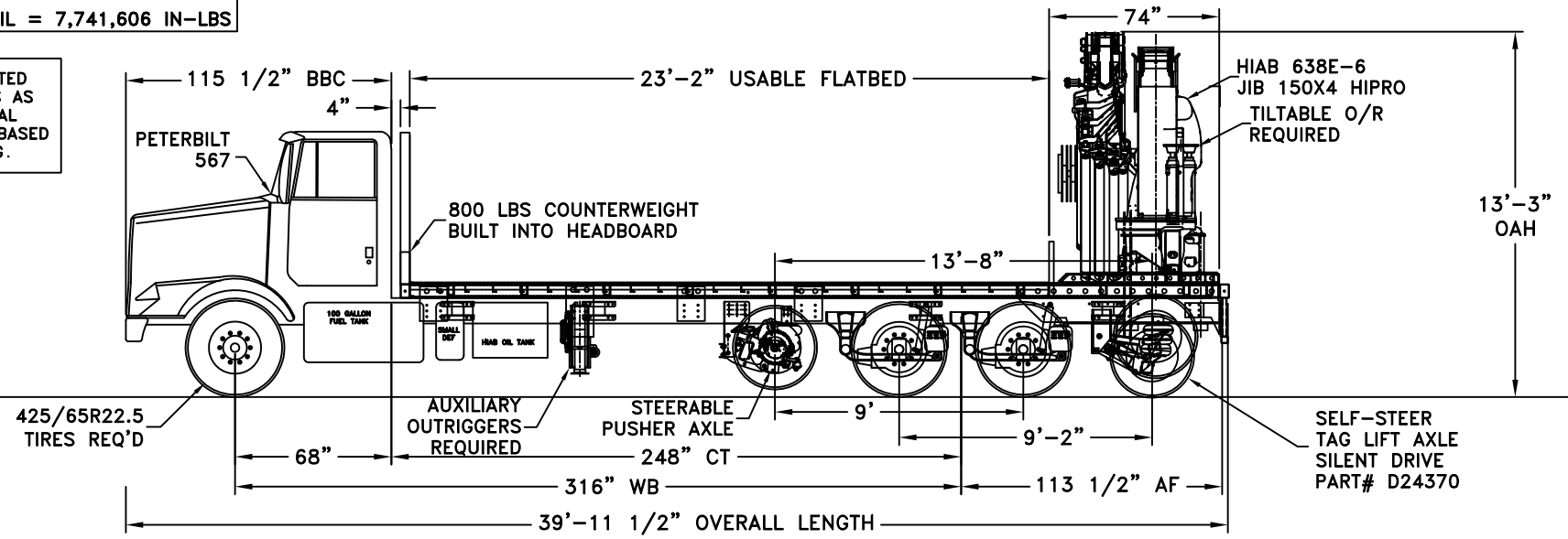
REV. PART NO. H3820B

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

CRANE MIN. SECTION MODULUS REQUIRED
= 64.51 in.³

CRANE MIN. RBM/RAIL = 7,741,606 IN-LBS

CRANE MAY BE DERATED IN FRONT QUADRANTS AS MUCH AS 30%. ACTUAL DERATING SHALL BE BASED ON PHYSICAL TESTING.



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, NO PAYLOAD, TAG AXLE DOWN.

TOTAL WEIGHT ON FRONT AXLE	= 14,320 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 29,870 LBS.
TOTAL WEIGHT ON TAG AXLE	= 11,000 LBS.
FRONT AXLE WT. PERCENTAGE	= 26 %
TANDEM AXLE WT. PERCENTAGE	= 54 %
TAG AXLE WT. PERCENTAGE	= 20 %
GROSS VEHICLE WEIGHT	= 55,190 LBS.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DIST, WITH PAYLOAD, PUSHER & TAG AXLE DOWN.

TOTAL WEIGHT ON FRONT AXLE	= 15,920 LBS.
TOTAL WEIGHT ON PUSHER AXLE	= 9,000 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 31,500 LBS.
TOTAL WEIGHT ON TAG AXLE	= 11,000 LBS.
FRONT AXLE WT. PERCENTAGE	= 24 %
PUSHER AXLE WT. PERCENTAGE	= 13 %
TANDEM AXLE WT. PERCENTAGE	= 47 %
TAG AXLE WT. PERCENTAGE	= 16 %
GROSS VEHICLE WEIGHT	= 67,420 LBS.
WATER LEVEL PAYLOAD	= 12,230 LBS.

TRUCK SPECIFICATIONS

TRUCK MODEL	= PETERBILT 567
WHEELBASE	= 316
CAB TO TANDEM	= 248"
AXLE-TO-FRAME	= 113 1/2"
FRONT CURB WEIGHT	= 11,200 LBS.
TANDEM CURB WEIGHT	= 9,400 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 OF 4,560,000 IN-LBS	

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.

NOTES:
DOUBLE FRAME CHASSIS REQUIRED.
FRAME RAIL MINIMUM OF 38.0 SECTION MODULUS REQUIRED.
FULL LENGTH SUB-FRAME REQUIRED:
6"x4"x1/2" RECT. TUBING (ON TOP OF FRAME RAIL)
5"x3"x1/2" RECT. TUBING (CROSSMEMBERS EVERY 3 FT.)
5/8" TOP AND 3/8" BOTTOM PLATES REQUIRED.
TAG AXLE MUST BE DOWN IN ALL FORWARD GEARS.
CURB WEIGHTS ARE ESTIMATED.
FLATBED & LIFT AXLE WEIGHTS ARE ESTIMATED.
HANDLING & MANEUVERABILITY IS POOR WITH LONG WHEELBASE.

TRUCK RUNS IN US (RULES FOR MOST STATES).
20,000 LBS. ALLOWED ON FRONT AXLE.
34,000 LBS. ALLOWED ON TANDEM AXLE.
42,500 LBS. ALLOWED ON 3 AXLE GROUP (9').
51,500 LBS. ALLOWED ON 4 AXLE GROUP (14').
68,500 LBS. ALLOWED FOR GROSS WEIGHT (33').
ALLOWABLE LEGAL OVERALL LENGTH IS 40'.

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Tolerances - unless otherwise noted.
Tolerances are in inches.
2-PLACE ±.00..... .03
3-PLACE ±.000..... .015
ANGULAR ±1'
FRACTIONAL ±1/16"
Break all sharp corners unless otherwise specified.

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Dwg/Cad file no. **638 / SALES**

Drawing Title:
HIAB 638E-6 JIB 150X4 HIPRO CRANE

Project Name:
SALES LAYOUT

Drawn by/Date:
CSV 10-22-18

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

Approval/Date Approved: **Scale:**