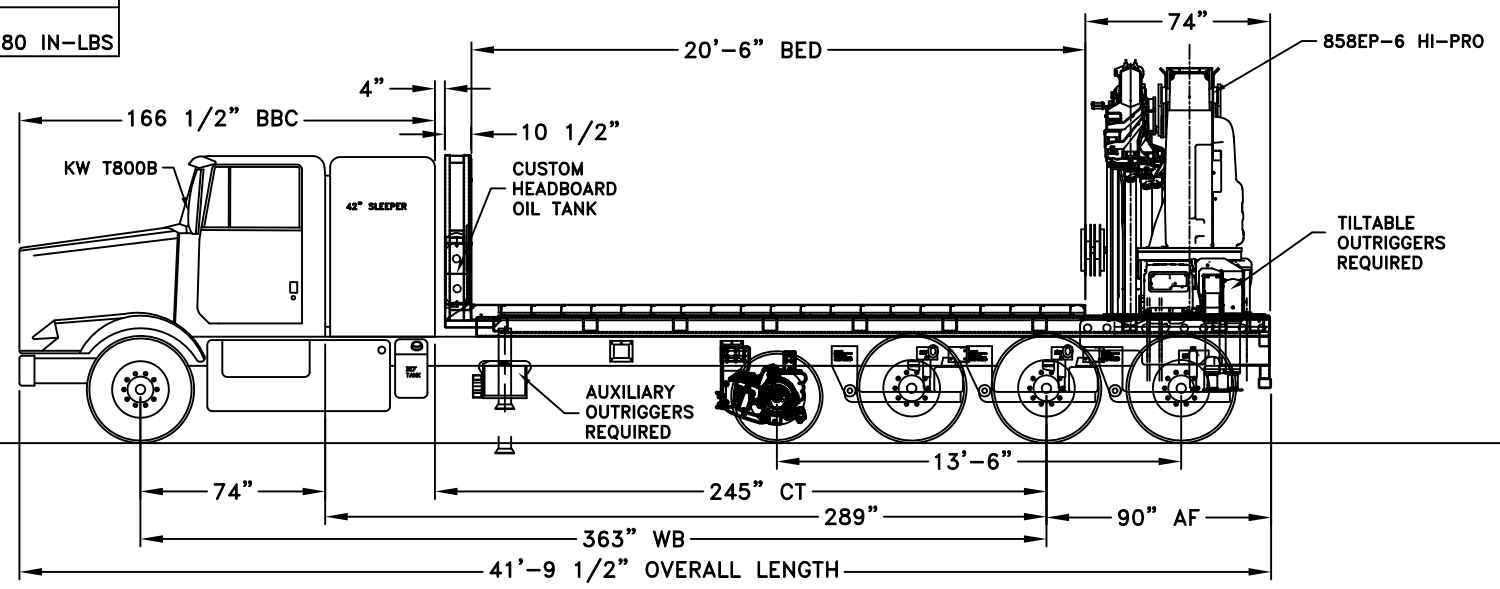


YIELD STRENGTH 120,000 P.S.I. YIELD	CRANE MINIMUM SECTION MODULUS REQUIRED = 86.17 in. ³
CRANE MINIMUM RBM/RAIL = 10,340,080 IN-LBS	



TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>NO</u> PAYLOAD, PUSHER DOWN.	
FRONT AXLE LOAD	= 13,450 LBS.
PUSHER AXLE LOAD	= 9,000 LBS.
TRIDEM AXLE LOAD	= 37,050 LBS.
FRONT AXLE PERCENTAGE	= 23 %
PUSHER PERCENTAGE	= 15 %
TRIDEM AXLE PERCENTAGE	= 62 %
GROSS VEHICLE WEIGHT	= 59,500 LBS.

TRUCK SPECIFICATIONS	
TRUCK MODEL	= KENWORTH T800B
WHEELBASE	= 363"
CAB TO TRIDEM	= 289"
AXLE-TO-FRAME	= 90"
FRONT AXLE CURB WEIGHT	= 12,535 LBS.
REAR AXLE CURB WEIGHT	= 11,271 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
REAR G.A.W.R.	= 69,000 LBS.
YIELD STRENGTH OF EACH FRAME RAIL	MINIMUM SECTION MODULUS REQUIRED
120,000 P.S.I. YIELD	= 46.50 in. ³
MINIMUM RBM/RAIL	= 5,580,000 IN-LBS

NOTES:
 TRIPLE FRAME CHASSIS REQUIRED WITH 5,580,000 RBM.
 CHASSIS FRAME RAIL MIN. OF 46.5 SECTION MODULUS REQ'D.
 FULL LENGTH SUB-FRAME REQUIRED:
 8" x 4" x 1/2" TUBING (ON TOP OF RAIL)
 6" x 6" x 1/2" TUBING (CROSSMEMBERS)
 5/8" TOP PLATE & 1/2" BOTTOM PLATE REQUIRED.
 FLATBED WEIGHTS ARE ESTIMATED.
 CURB WEIGHTS WERE PROVIDED.
PUSHER AXLE MUST BE DOWN IN ALL FORWARD GEARS.
 HANDLING & MANEUVERABILITY IS POOR WITH LONG WHEELBASE.
 TRUCK RUNS IN TEXAS.
 20,000 LBS. ALLOWED ON FRONT AXLE.
 42,500 LBS. ALLOWED ON 9' TRIDEM.
 51,500 LBS. ALLOWED ON 4 AXLE GROUP.
 70,000 LBS. ALLOWED FOR TRUCK GROSS WEIGHT.
 MAXIMUM TRUCK LENGTH CANNOT EXCEED 45'.

TRUCK, HIAB CRANE & ACCESSORIES WEIGHT DISTRIBUTION, <u>WITH</u> PAYLOAD, PUSHER DOWN.	
FRONT AXLE LOAD	= 15,730 LBS.
PUSHER AXLE LOAD	= 9,000 LBS.
TRIDEM AXLE LOAD	= 42,500 LBS.
FRONT AXLE PERCENTAGE	= 23 %
PUSHER PERCENTAGE	= 14 %
TRIDEM AXLE PERCENTAGE	= 63 %
WATER LEVEL PAYLOAD	= 7,730 LBS.
GROSS VEHICLE WEIGHT	= 67,230 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.

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 ±.00..... .03
 3-PLACE ±.000..... .015
 ANGULAR ±1'
 FRACTIONAL ±1/16"
 Break all sharp corners unless otherwise specified.

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

Drawing Title:		HIAB 858EP-6 HIPRO	
Project Name:		SALES LAYOUT	
Drawn by/Date:	Size:	Part No.	
EJM	2-27-19		
Approval:	Date Approved:	Scale:	unit wt.
			Eng. job no.: