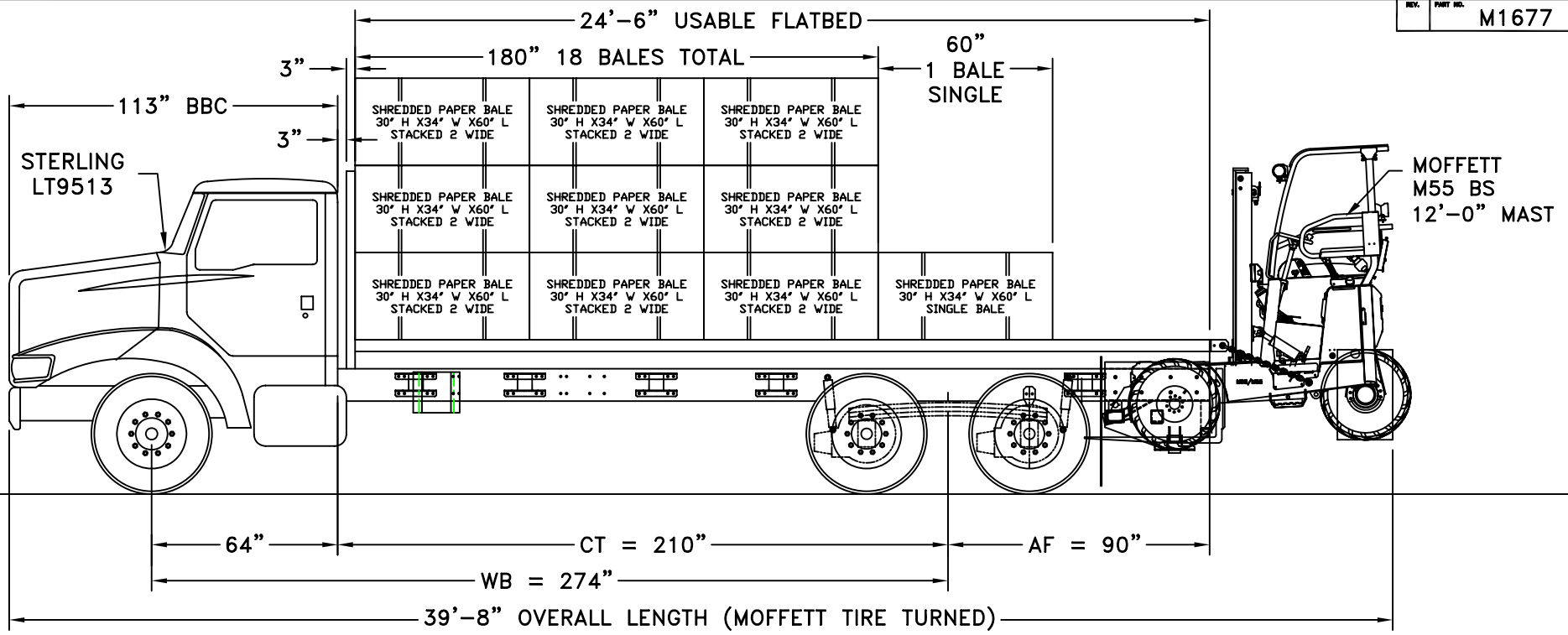
REV.	PART NO.
	M1677



TRUCK, MOFFETT & ACCESORIES WEIGHT DISTRIBUTION, NO PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 8,140 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 22,800 LBS.
FRONT AXLE WT. PERCENTAGE	= 26 %
TANDEM AXLE WT. PERCENTAGE	= 74 %
GROSS VEHICLE WEIGHT	= 30,940 LBS.

TRUCK, MOFFETT & ACCESSORIES WEIGHT DISTRIBUTION, WITH PAYLOAD.	
TOTAL WEIGHT ON FRONT AXLE	= 14,860 LBS.
TOTAL WEIGHT ON TANDEM AXLE	= 33,180 LBS.
FRONT AXLE WT. PERCENTAGE	= 31 %
TANDEM AXLE WT. PERCENTAGE	= 69 %
GROSS VEHICLE WEIGHT	= 48,040 LBS.
PAYLOAD AS SHOWN (19 BALES)	= 17,100 LBS.

TRUCK SPECIFICATIONS

TRUCK MODEL	= STERLING LT9513
WHEELBASE	= 274"
CAB TO TANDEM	= 210"
AXLE TO FRAME	= 90"
FRONT AXLE TARE WEIGHT	= 9,700 LBS.
TANDEM AXLE TARE WEIGHT	= 9,500 LBS.
FRONT G.A.W.R.	= 20,000 LBS.
TANDEM G.A.W.R.	= 46,000 LBS.

YIELD STRENGTH OF EACH CHASSIS FRAME	MINIMUM SECTION MODULUS REQUIRED
110,000 PSI YIELD	= 14.74 in.^3
MINIMUM RBM/RAIL = 1,621,370 IN–LBS.	

NOTES:
DOUBLE FRAME CHASSIS REQUIRED OR A FRAME RAIL WITH THE MIN. RBM REQUIRED.
CURB WEIGHTS ARE ESTIMATED.
BODY WEIGHT IS ESTIMATED.

TRUCK RUNS IN ILLINOIS AND MISSOURI.
WEIGHT RULES FOR INTERSTATE AND DESIGNATED FEDERAL AID HIGHWAYS – CLASS I,II,III:
20,000 LBS. ALLOWED ON FRONT AXLE.
34,000 LBS. ALLOWED ON TANDEM.
54,500 LBS. ALLOWED FOR GROSS WEIGHT FORMULA (25').
MAXIMUM LENGTH CANNOT EXCEED 42'.

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.: MOFFETT / SALES
Dwg/Cad file no.:

Drawing Title: MOFFETT M55, 12'–0" MAST
Project Name: SALES LAYOUT

Drawn by:	Date:	Size:	Part No.	
EJM	4–1–09			
Approval:	Date Approved:	Scale:	unit wt.	Eng. job no.: