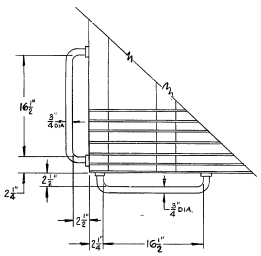
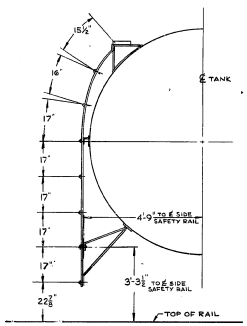


TYPICAL TOP VIEW OF END CORNER



TYPICAL END VIEW OF SIDE LADDER

LINE 02 PART NO.	SYM.	LINE 01 PART NO.	REQ'D.	BILL OF MATERIAL DESCRIPTION	
78345-02	1	78345-01	1	TANK ASSEMBLY	3400
78351-01	2	78351-01	1	JACKET ASSEMBLY	7200
78379-01	3	78379-01	1	INSULATION ASSEMBLY	370
78369-01	4	78369-01	1	AIR BRAKE ASSEMBLY	2200
78386-02	5	78386-02	1	"A" END PLATFORM ASSEMBLY	330
78374-01	6	78374-01	1	MANWAY COVER ASSEMBLY	30
78380-01	7	78380-01	1	BOTTOM UNLOADING ASSEMBLY	270
78389-01	8	78389-01	1	SAFETY VALVE ASSEMBLY	27
78356-01	9	78356-01	1	OPERATING PLATFORM ASSEMBLY	350
78398-01	10	78398-01	2	END PLATFORM HANDRAIL ASSEMBLY	118
78330-01	11	78330-01	2	SIDE LADDER ASSEMBLY	200
78378-01	12	78378-01	1	SIDE SAFETY RAIL ASSEMBLY	172
78336-01	13	78336-01	2	TRUCK ASSEMBLY	2180
78560-02	14	78560-02	1	CAR ATTACHMENT ASSEMBLY	100
78399-01	15	78399-01	1	PAINT AND STENCIL ARRANGEMENT	100
	16				
	17				
	18				
	19				
68,300*	20	68,300*		ESTIMATED LT. WT. - SEE NOTE *2	
	21				
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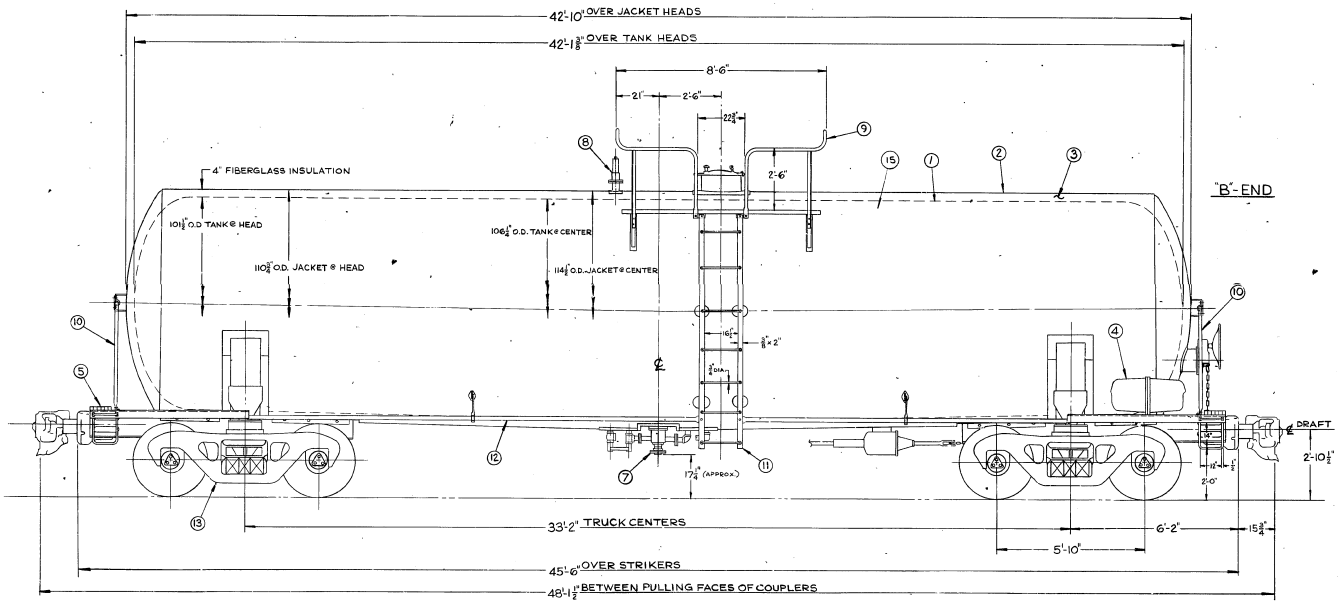

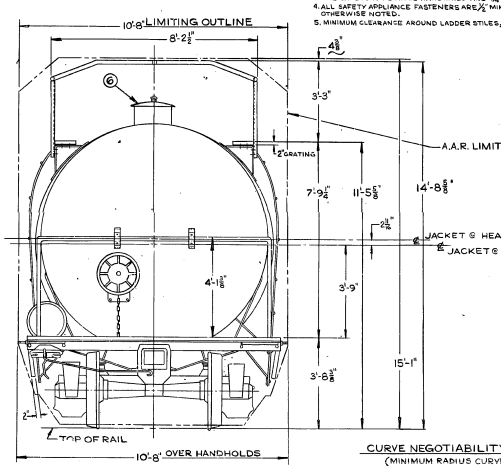

NOTES:

1. ALL DIMENSIONS ARE FOR REFERENCE ONLY.
2. ESTIMATED LIGHT WEIGHT INCLUDES 1300 LBS. MANUFACTURING TOLERANCE.
3. ALL SAFETY APPLIANCE HANDRAILS ARE 1¼" STD. PIPE UNLESS OTHERWISE NOTED.
4. ALL SAFETY APPLIANCE FASTENERS ARE ⅞" MIN. DIA. TWO-PIECE RIVETS UNLESS OTHERWISE NOTED.
5. MINIMUM CLEARANCE AROUND LADDER STILES, THREADS AND SAFETY RAILS, 2½".

CURVE NEGOTIABILITY
(MINIMUM RADIUS CURVE)
COUPLED TO A.A.R. BASE CAR = 202 FT.
COUPLED TO SIMILAR CAR = 171 FT.
UNCOUPLED = 148 FT.

DRAWING NO. 78377

02	3102-N
01	3101-N
LINE	APPRO

TOLERANCES, UNLESS OTHERWISE NOTED:
DECIMAL DIMENSIONS: 3 PLACE ± .005", 2 PLACE ± .03", 1 PLACE ± .1"
FRACTIONAL DIMENSIONS: MACHINED SURFACES ± 1/64", ALL OTHER ± 1/16"
ANGULAR DIMENSIONS: MACHINED SURFACES ± 1/2°, ALL OTHER ± 1°

REVISION	A	B	C	D
DATE	10-6-36	11-2-36	11-10-36	12-21-36
DRAWN	T.D.	T.C.	T.C.	J.T.
B.O. No.	3101 3102	3101 3102	3101-N 3102-N	3101-N 3102-N
CHECKED	E.G.	R.D.	E.G.	E.G.
MFR. APPROVAL	N/A	N/A	N/A	N/A
ENGINEERING APPROVAL	10/7/36	11/2/36	11/10/36	12/21/36
REVISIONS		ADDED TICKLER DIM. ADDED CURVE NEGOTIABILITY	ADDED CURVE NEGOTIABILITY	ADDED SKETCH NO. 78377

UNION TANK CAR CO.
CHICAGO, INDIANA 46513

GENERAL ARRANGEMENT
DOT 111A100W-3, 17,500 GAL.
-SLOPING BOTTOM

DRAWN BY	DATE	SCALE	WEIGHT	CHECKED
T.C.	9-18-36	NTS	TABLED	E.G.
ENGINEERING APPROVALS	N/A MFR.	100 PRODUCT	78377 DRAWING NO.	

FIRST USED WITH REPRO OF SEQUENCE NO. 3440