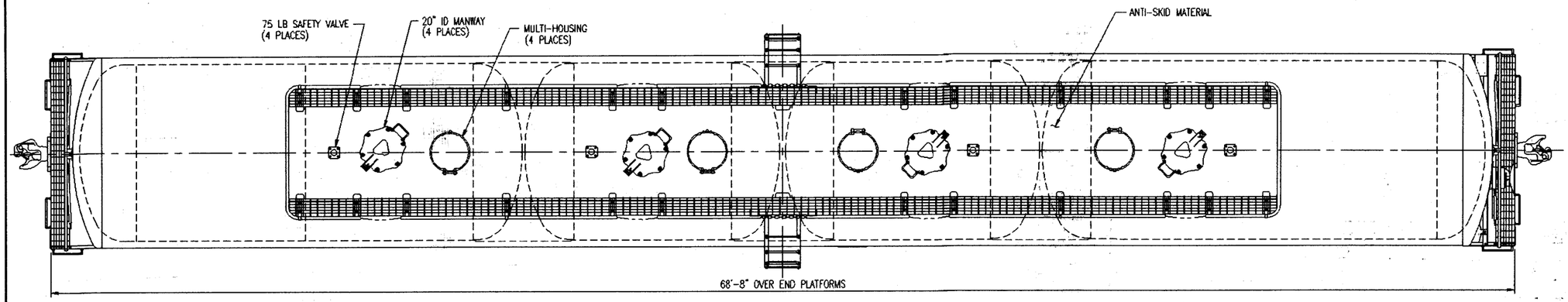


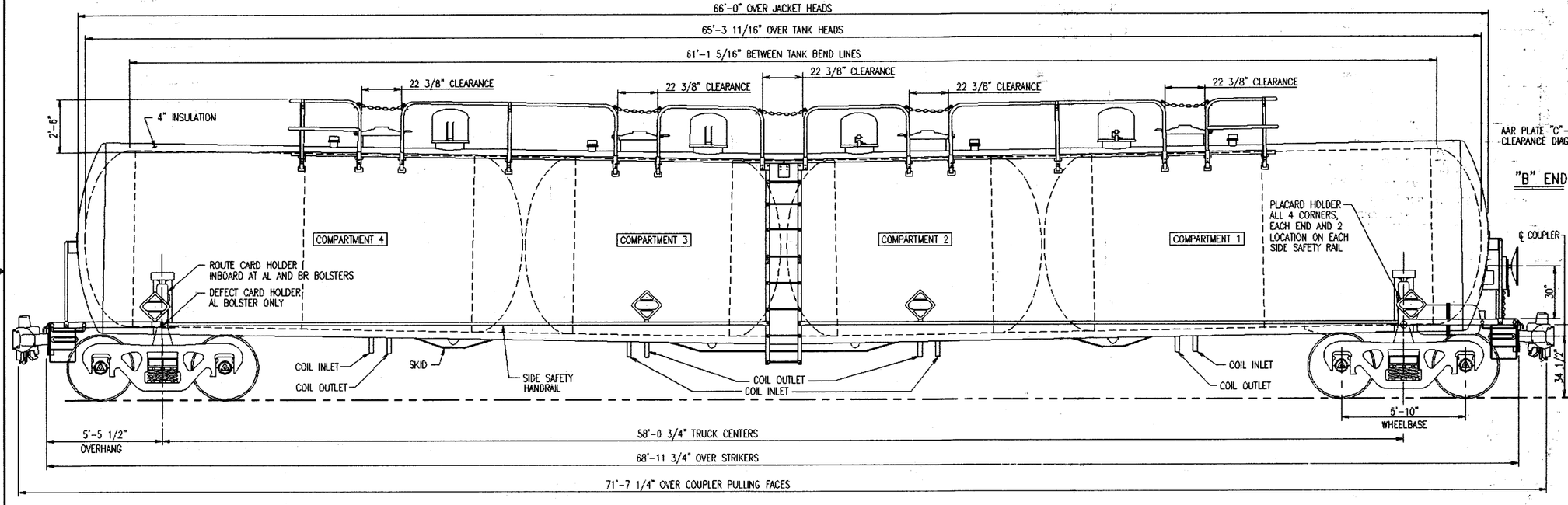


## SPECIFICATIONS

1. TANK — A. THEORETICAL SHELL FULL CAPACITY:
   COMPARTMENT 1 – 7,586 GAL
   COMPARTMENT 2 – 4,198 GAL
   COMPARTMENT 3 – 4,198 GAL
   COMPARTMENT 4 – 7,586 GAL
   B. CLASS BUILT – DOT 111A100W1
   C. CLASS STENCIL – AAR 211A100W1
   D. SHELL AND HEAD MATERIAL – A516-70
   E. HEADS – 2:1 ELLIPTICAL, 7/16" THICK, 99 7/8" OD
   F. SHELL – 99" ID, 7/16" THICK
2. COIL — EXTERIOR SERPENTINE SYSTEM, 8 LINES, 8" COIL
3. UNDERFRAME — STUB SILL DESIGN WITH LIFT PROVISION
4. JACKET — ASTM A569 SHEET
   A. 107 7/8" ID
   B. SHELL AND HEAD THK – 11 GA
5. INSULATION — 4" GLASSWOOL BLANKET AT 3/4 LB DENSITY
6. TRUCKS — 100 TON
   A. JOURNALS – 6 1/2" X 12", AAR APPROVED ROLLER BEARINGS
   B. WHEELS – AAR H-36 OR CH-36, CLASS "C", 1 WEAR
   C. SPRINGS – AAR D-5 (3 11/16" TRAVEL)
   D. DOUBLE ROLLER TYPE SIDE BEARINGS
7. DRAFT EQUIPMENT — 24 5/8" DRAFT GEAR POCKET
   A. COUPLERS – AAR SE60DE
   B. COUPLER YOKES – AAR SY40AE
   C. DRAFT GEAR – AAR M-901E
8. AIRBRAKE — TRUCK MOUNTED BRAKE EQUIPMENT WITH 8" CYLINDER, AUTOMATIC SLACK ADJUSTER, DOUBLE ACTING:
   A. BRAKE BEAMS – AAR NO. 24
   B. BRAKE SHOES – 2" HIGH FRICTION COMPOSITION, AAR NO. H-4
   C. PISTON TRAVEL – REGULATED AT 3"
9. HANDBRAKE — AAR APPROVED VERTICAL WHEEL UNIT WITH AAR SHEAVE WHEEL
10. GRATING — AAR APPROVED, STEEL
11. HANDRAIL — 1 1/4" SCHEDULE 40 PIPE WITH REINFORCED ENDS
12. ESTIMATED LT WT — 94,600 POUNDS
13. CENTER OF GRAVITY — 81.35" LOADED
14. CURVE NEGOTIATIONS:
    MINIMUM RADIUS OF TRACK CURVATURE – HORIZONTAL CURVES:
    UNCOUPLED CAR — 180 FT
    COUPLED CAR (TANK ON CURVE, STANDARD CAR ON TANGENT) — 267 FT
    COUPLED CAR (STANDARD CAR ON CURVE, TANK ON TANGENT) — 156 FT
    COUPLED CAR(TWO LIKE CARS) — 270 FT

    MINIMUM RADIUS OF TRACK CURVATURE – VERTICAL CURVES:
    UNCOUPLED CAR — 652 FT
    COUPLED CAR (TANK CAR ON CURVE, STANDARD CAR ON TANGENT OR TWO LIKE CARS) — 780 FT

| REV | BY | DATE | REVISION |
|---|---|---|---|
| A | KFC | 8-25-99 | CORRECTED ESTIMATED LIGHT WEIGHT |

A.A.R. APPLICATION NO. L996036

FILE:

TOLERANCES: UNLESS OTHERWISE SPECIFIED ON THIS DRAWING THE FOLLOWING TOLERANCES SHALL APPLY. SEE D-145000 FOR ADDITIONAL TANK CAR TOLERANCES. FRACTIONS MACHINED ±1/64" (.016") ALL OTHERS: (1" to 2')±1/16", (2' to 10')±1/8", (10' to 20')±1/4", (OVER 20')±1/2"
DECIMALS 3 PLACE ±.005 2 PLACE ±.03 1 PLACE ±.1
ANGLES MACHINED ±1/2 DEG. ALL OTHERS ±1 DEG.

TRINITY INDUSTRIES, INC.
RAILCAR DIVISION

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| | | |
|---|---|---|
| DRAWN | QRH | 7-15-99 |
| CHKD | KFC | 7-22-99 |
| APPD | KHB | 7-22-99 |
| 1st FILE | 9848 | |
| NLA | | |
| WEIGHT | | |

# GENERAL ARRANGEMENT

23,568 GAL, 4 COMPARTMENT
99" ID, STB, C AND 4I
DOT 111A100W1 / AAR 211A100W1

| DRAWING NO: | SHEET | REV | SIZE |
|---|---|---|---|
| D-41272 | 1 OF 1 | A | D |