



**PRELIMINARY**

**MODEL SPECIFICATIONS**

**Model: 20TX-S-2T**

*Chassis meets all DOT, AAR, FMVSS, ISO, SAE and TTMA specifications at time of build*

*Customer: NACPC REV A*

2024

**Equipped to Handle:** One 20 ft Bulk or Cargo Container

1. **1. GENERAL SPECIFICATIONS:**

A. NOMINAL LENGTH:	43'-6"
B. NOMINAL WIDTH:	96"
C. KING PIN LOCATION:	16" FROM FRONT OF KINGPIN PLATE
D. FIFTH WHEEL HEIGHT:	48"
E. REAR DECK HEIGHT:	44"
F. AXLE SPREAD:	109" (TANDEM)
G. TARE WEIGHT:	7,400 LBS. (+/- 3%)
H. MAXIMUM CONTAINER WEIGHT:	68,000 LBS.
I. GROSS VEHICLE WEIGHT RATING:	70,000 LBS.

2. **STEEL:**

A. THE CHASSIS FRAME COMPONENTS AND FABRICATED PARTS ARE OF HIGH STRENGTH LOW ALLOY STEEL ASTM A572 GRADE 50, HAVING A MINIMUM YIELD POINT OF 50,000 PSI.

3. **MAIN BEAMS:**

- A. FABRICATED I-BEAM: 1/2" x 5" - 130k TOP FLANGES AND 3/4" x 5" - 130k BOTTOM FLANGES.
- B. GOOSENECK BEAM: 6" AT THE FRONT; 16" AT THE BACK WITH A SMOOTH TRANSITION WITHIN THE NECK AREA
- C. TAPERED 1/2 x 5 STRAP PAST LANDING GEAR

4. **UPPER COUPLER:**

- A. CRUCIFORM KING PIN KZS3-2.9
- B. KING PIN FORGING HAS A BRINELL HARNESS RANGE OF 360 TO 420
- C. 1/4" COUPLER PLATE
- D. RECEPTACLE/GLADHANDS MOUNTED TO FRONT KINGPIN CROSSMEMBER FACE
- E. AAR APPROVED

5. **CROSS-MEMBERS:**

- A. 3/16" FABRICATED CROSS MEMBERS W/ INTEGRAL GUSSETS
- B. TWO CROSSMEMBERS AT LANDING GEAR

6. **FRONT BOLSTER:**

- A. PIC/BUFFERS 1101-3623 RETRACTABLE TWISTLOCKS
- B. GUSSETED TO BEAM 1/4" THICK SECTION WITH 8" X 3/8" TOP PLATE FULLY WELDED.
- C. TRIANGULAR REINFORCEMENTS PLATES 1/4" X 20" X 14" WITH FLANGE

7. **REAR BOLSTER:**

- A. PIC/BUFFERS 1101-3623 RETRACTABLE TWISTLOCKS
- B. GUSSETED TO BEAM 1/4" THICK SECTION WITH 8" X 3/8" TOP PLATE FULLY WELDED.
- C. TRIANGULAR REINFORCEMENT PLATE TO BE 1/4" X 20" X 21" WITH A TURNED-DOWN LIP

8. **LANDING GEAR:**

- A. JOST A440 17" TRAVEL W/ LOW PROFILE SAND SHOES AND SOLID AXLES (**A440.T18.17**)
- B. AAR APPROVED FULL LENGTH BRACKETS
- C. 21" CRANK HANDLE IS MOUNTED ON ROAD-SIDE

9. TIRES:
  - A. (8) 255 70R22.5 ARISUN
  
10. WHEELS:
  - A. 10 HOLE 8.25 x 22.5 DISC STEEL WHEELS PAINTED WHITE (ACCURIDE IMPORT)
  - B. 10 HOLE PILOT MOUNT W/OUTBOARD CAST DRUMS
  
11. BRAKE SYSTEM:
  - A. ABS: 2S/1M BENDIX ABS SYSTEM (or equivalent)
  - B. QUICK CHANGE: 16 1/2" X 7 BRAKE LINING
  - C. VALVES: BENDIX
  - D. BRAKE CHAMBER: RANGER 30/30
  - E. GLADHANDS: PHILLIPS FILTERED GLAD HANDS
  - F. AIRTANK: SINGLE AIR TANK 2,800 CUBIC INCH
  - G. SLACK ADJUSTERS: MERITOR
  
11. MUDFLAPS/FENDERS
  - A. 24 X 24 MUDFLAPS NACPC WHITE
  - B. BLACK POLY FENDERS WITH REINFORCEMENT STRAPS
  
12. ELECTRICAL SYSTEM:
  - A. PRATT HARNESS: 12 GA W/MOLDED SEALED CONNECTORS
  - B. RECEPTACLE: 7-WAY
  - C. TAILLIGHTS: FLANGE MOUNTED STOP/TURN & TAIL W/AMP CONNECTORS
  - D. CLEARANCE LIGHTS: 3/4 INCH BULLET GROMMET MOUNTED WITH SEALED CONNECTORS.
  - E. LICENSE PLATE LIGHT: 3/4 INCH BULLET GROMMET MOUNTED
  
13. REGISTRATION CARD HOLDER:
  - A. PHILLIPS 16-802 (or equivalent)
  
14. METAL PREPARATION:
  - A. SA 2 1/2 BY SHOT-BLAST
  
15. PAINT:
  - A. PPG ZINC-RICH PRIMER.
  - B. PPG URETHANE TOPCOAT, TRAFFIC ORANGE
  
16. SUSPENSION:
  - A. HUTCHENSON TANDEM 109" UNDERMOUNT W/ FABRICATED HANGERS, UNDERSLUNG, 3/4 HIGH SEAT.
  - B. THREE LEAF SPRING (TRA-021) OR EQUIVALENT
  
17. AXLES:
  - A. MAKE: M&R MFG T225 SERIES-PIC
  - B. BEARINGS: STEMCO
  - C. SEALS: STEMCO SEALS
  - D. HUBCAPS: STEMCO ALUM-FP
  - E. HUBS: CONMET
  - F. DRUMS: CONMET LONG STUDS
  - G. OPTIONS: ATIS PREP
  
18. GRAPHICS:
  - A. CONSPICUITY STRIPING MOUNTED ALONG BOTTOM OF BEAM; PIC BRANDED UNLESS SPECIFIED.
  
19. OTHER MISCELLANEOUS:
  - A. FRONT GLADHANDS ROTATED CLOCKWISE AT 38 DEGREES TO PREVENT RAIN AND CONTAMINATES ENTERING AIR SYSTEM.
  - B. METAL WORK DECK 10 FT LONG, 5 GAUGE TREAD PLATE
  - C. SIDE FRAME MOUNTED STEPS BOTH SIDES
  - D. PSI
  - E. AIR TILT
  
20. AVAILABLE OPTIONS:

- A. ROLL STABILITY
- B. PSI
- C. AIR TILT DELETE

Customer Approval

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Date: \_\_\_\_\_

PIC Approval

*Barry R Hines*

Date: 8/29/2024



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