

NATIONAL SEMI-TRAILER CORP.

NATIONAL 2000 plus

Dry Van Specifications
Weight 14,500lb +-3%
68,000 GVWR

DIMENSIONS: 53'x 102.36" x 13'6"	CUBIC CAPACITY: 4013 cubic feet
FIFTH WHEEL HEIGHT: 47"	DOCK HEIGHT: 50" +/- 1/2"
INSIDE HEIGHT @ FRONT & REAR: 110"	INSIDE LENGTH: 52' 6"
DOOR OPENING HEIGHT: 110"	DOOR OPENING WIDTH: 98.50"
INSIDE WIDTH @ POST: 100"	INSIDE WIDTH @ SCUFF: 98.50"

FRONT PANELS and POSTS:

.050" THICK PRE-PAINTED WHITE 4' WIDE ALUMINUM SHEETS, WITH FIVE 2" DEEP HEAVY DUTY 14 GAUGE GALVANIZED STEEL HAT SHAPED POSTS. **1/8" EXTRUDED ALUMINUM CORNER ON 4 1/2" RADIUS** WITH MILL FINISH. ALUMINUM **ONE PIECE FRONT TOP RAIL** WITH CORNER CASTINGS. SHEETS FASTENED TO POSTS WITH TWO ROWS OF SOLID 3/16" HARD BUCK RIVETS ON 2" CENTERS ON PANEL LAPS. FOAM SEAL TAPE AT ALL SHEET SEAMS.

SIDE PANELS and POSTS:

.050" THICK PRE-PAINTED WHITE 4' WIDE ALUMINUM SHEETS. **12 GAUGE .750" GALVANIZED STEEL 'A' SLOT LOGISTIC POSTS.** LOGISTIC SLOTS ON 4" CENTERS. POSTS ON 16" CENTERS NOSE TO LANDING GEAR, AND THEN 24" CENTERS BACK TO REAR FRAME. PANELS FASTENED TO POSTS WITH TWO ROWS OF 3/16" HARD BUCK RIVETS: 2" CENTERS ON PANEL LAPS AND 4" CENTERS ON ADJACENT ROW. FOAM SEAL TAPE AT ALL SHEET SEAMS.

BOTTOM RAILS:

9 11/16" DEEP EXTRUDED ALUMINUM ALLOY 6061-T6 BLADE TYPE DESIGN WITH FLOOR SEALING LIP. ALL BOLTS STAINLESS STEEL AND RIVETS ALUMINUM.

TOP RAILS:

HEAVY-DUTY OFFSET EXTRUDED ALUMINUM ALLOY 6061-T6.

KINGPIN STRUCTURE:

3 3/16" DEEP, STEEL STRUCTURE AUTOMATICALLY WELDED. AAR TESTED AND CERTIFIED. 5/16" THICK, FORMED CHANNELS WELDED TO 5/16" THICK STEEL BOTTOM PLATE. 1/4" THICK, FULL WIDTH PICKUP PLATE. KINGPIN IS LOCATED 36" BACK FROM FRONT. **GALVANIZED STEEL 7 5/16" HIGH FRONT WRAP** WELDED TO THE FRONT TOP OF THE COUPLER STRUCTURE.

LANDING GEAR:

JOST KIT A400-G3-17 TWO SPEED OUTBOARD MOUNT SQUARE LEG, WITH A 29" HOUSING AND 17" TRAVEL. LOW PROFILE 2"x 10"x 10" CUSHION FOOT. ANGLE BRACING FROM LEGS FORE AND AFT TO WING PLATE SPANNING FIVE CROSS MEMBERS. LEG TO LEG STRUCTURAL CHANNEL CROSS BRACE WITH BRACING TO WING PLATE. **WING PLATES AND ALL BRACING GALVANIZED.** LOCATED 109" BACK FROM KINGPIN. ROADSIDE CRANK HANDLE WITH LATCH ON LEG.

FLOOR:

HAVCO 1 3/8" **LAMINATED OAK** FLOORING. PRE-UNDERCOATED. SHIP LAP JOINTS WITH CRUSHER BEAD BETWEEN FLOORBOARDS. THREE 5/16" DIAMETER TORX HEAD SCREWS PER EACH INNER BOARD, AND THREE 5/16" SCREWS IN EACH EDGE BOARD. (24) SCREWS PER CROSSMEMBER IN A STAGGERED PATTERN.

FLOOR CRASHPLATE AREA:

32" OF TOTAL DEPTH. BEGINS AT REAR WITH THE GALVANIZED STEEL 4" SILL; CONTINUES WITH FOUR 7 GAUGE HIGH STRENGTH STEEL TUBES 5" NOMINAL TALL FORMED SECTION, WITH 1/4" STEEL DIAMOND PLATE OVERLAY. FLOOR IS FLUSH WITH, AND BUTTS DIRECTLY AGAINST THE PAINTED GRAY DIAMOND PLATE.

CROSSMEMBERS:

80,000lb YIELD STRENGTH 4" STEEL I BEAMS ON 12" CENTERS THROUGH OUT. CROSS MEMBERS ARE PRE-COATED PRIOR TO INSTALLATION. ONE PIECE 7 GAUGE GALVANIZED STEEL CORRUGATED CROSS MEMBER SECTION BEHIND COUPLER AREA.

AIR and ELECTRICAL:

PHILLIPS 28 PIN PLUG INCORPORATED INTO AN INTERNALLY GROUNDED HARNESS. PHILLIPS SWIVEL GLADHANDS. AIR AND ELECTRICAL HARNESSES TERMINATE ROADSIDE AND ARE ROUTED DOWN EACH SIDEWALL ABOVE CROSS MEMBERS.

LIGHTING:

TRUCKLITE **LIGHT EMITING DIODES (LED) THROUGHOUT ENTIRE TRAILER.** MODEL 44 322 (6 DIODE) 4" STOP/TURNS FLANGE MOUNTED INTO REAR SILL; PROTECTED BY GALVANIZED STEEL EYEBROWS; **SECURED WITH TAMPER RESISTANT RIVETS.** MODEL 35275Y LED's MOUNTED ON FRONT CORNER CASTING. MODEL 33R LED's MOUNTED AS TOP REAR AND MODEL 35200R LED BOTTOM SIDE MARKERS. MODEL 60276Y LED MOUNTED ON BRACKET JUST BELOW BOTTOM RAIL AS MARKER / MID TURN EACH SIDE. **ALL SECURED WITH TAMPER RESISTANT SCREWS OR RIVETS.** MODEL 15205 LED LICENSE PLATE LAMP.

ROOF:

.040" ALUMINUM SHEET DRUM STRETCHED. **BONDED ROOF BOWS FULL LENGTH.**

ROOF BOWS:

ONE-PIECE 1" DEEP GALVANIZED STEEL **ANTI SNAG** CAMBERED TYPE ON 24" CENTERS. ONE ADDITIONAL BOW AT FRONT, AND ONE AT REAR.

REAR FRAME:

CARBON STEEL **HOT DIPPED GALVANIZED** COMPLETE. LIGHTS ARE RECESSED INTO THE SILL. DRIP LEDGE ON HEADER. CARBON STEEL BUMPER **HOT DIPPED GALVANIZED,** BOLTED TO THE REAR FRAME AND THE SUSPENSION STRUCTURE. LOWER GUSSETS WITH 'K' BRACING FOR DOCK LOCK PROTECTION. 4" HORIZONTAL **BOLT ON STYLE BUMPER TUBE WITH SAFETY PERFORATED TOP.** BUMPER HEIGHT NO LESS THAN 20 1/2" OFF THE GROUND WITH SUSPENSION IN REAR-MOST POSITION.

REAR DOORS:

3/4" METAL CLAD PLYWOOD WITH DUAL DUROMETER SEALS AND **.025 WHITE ALUMINUM INTERIOR** AND EXTERIOR. **FIVE ALUMINUM BREAK AWAY HINGES** PER DOOR WITH THREE BOLTS PER HINGE. ONE GALVANIZED STEEL ANTI-RACK LOCKING BAR PER DOOR. ONE **ANTI-THEFT PLATE** ON THE ROAD SIDE DOOR. ALL FASTENERS ARE LARGE HEAD ALUMINUM HUCK BOLTS. DOOR HOLDBACKS ARE THICK POSITIVE CHAIN. **STAINLESS STEEL HINGE PINS-COTTER KEYS-WASHERS.**

FRONT WALL LINER:

3/4" PLYWOOD FULL HEIGHT.

FRONT SCUFF LINER:

HAVCO 1" x 12" **HIGH LAMINATED HARDWOOD** FULL WIDTH, FASTENED TO POSTS.

SIDE WALL LINER:

(5.6mm) 1/4" PLYWOOD INSTALLED VERTICALLY FULL HEIGHT. **FASTENED WITH ANTI SNAG 3/16" ALUMINUM DRIVE RIVETS.**

SIDE SCUFF LINER:

HAVCO 3/4" x 12" **HIGH LAMINATED HARDWOOD** FULL LENGTH. THREE FASTENERS PER POST. EXTRA FASTENERS AT REAR.

SUSPENSION:

REYCO 86AR-RS1035 AIR RIDE SUSPENSION WITH FLEXI-PULL SLIDER PIN SYSTEM. PERMANENT STOP BARS FRONT AND REAR.

SLIDING SUBFRAME:

216" SLIDE RAIL AND 48" FRAME WIDTH. GAWR 20,000lb, 10 1/2" FRAME DEPTH, 1/4" THICK SLIDE PADS. FOUR SPRING LOADED PINS. FOUR CROSS MEMBERS.

BRAKE SYSTEM:

MERITOR WABCO 2 SENSOR 1 MODULATOR (2S/1M) **ANTI-LOCK BRAKE SYSTEM (ABS)**, MERITOR Q PLUS SERIES 16 1/2" x 7" S-CAM BRAKES. ABEX 3030-197 (MERITOR SOR 215) LININGS. HALDEX AUTOMATIC SLACK ADJUSTERS. TYPE 3030 TAMPER RESISTANT BRAKE CHAMBERS. SEALCO 110500 VALVE WITH ONE TANK SYSTEM.

AXLES:

MERITOR TN4670 TAPERED, 5" DIAMETER, 22,500lb, 1/2" THICK ROUND WALL, TANDEM 49" ON CENTER. PRO-TORQ 447-4743 SPINDLE NUT.

SEALS and HUBCAPS:

STEMCO GUARDIAN HP 307-0743 SEALS. STEMCO 340-5096 SOLID STEEL YELLOW COLOR ZINC DICHROMATE PLATED SEALED HUBCAPS. CHEVRON DELO **SYNTHETIC GREASE SF.**

HUBS and DRUMS:

MERITOR 14-15501 PREPAINTED WHITE HUB, 10 HOLE UNIMOUNT HUB PILOTED SYSTEM FOR TAPERED AXLES, WITH 16 1/2" x 7" OUTBOARD MOUNTED CAST DRUMS.

WHEELS:

22.5" x 8.25" STEEL FIVE HOLE DISC WHEELS. PRE-PAINTED WHITE. TR-572 VALVE STEMS W/ ALLIGARO V2B **DUAL PRESSURE CAPS.**

TIRES:

YOKOHAMA RY587 295/75R 22.5 14 PLY LO-PROFILE RADIALS.

CONSPICUITY TAPE:

INSTALLED ON SIDERAILS, ACROSS BOTTOM OF REAR DOORS, FULL WIDTH ON HORIZONTAL BUMPER TUBE. IN ACCORDANCE WITH FEDERAL REGULATIONS.

UNDERCOATING:

TO INSURE TOP QUALITY CORROSION RESISTANCE, THE UNDER-STRUCTURE, KINGPIN, AND RUNNING GEAR ARE SPRAY UNDERCOATED. FLOOR BOARDS AND CROSSMEMBERS ARE PRE-UNDERCOATED PRIOR TO INSTALLATION.

MISCELLANEOUS:

FHWA SAFETY INSPECTION DECAL INSTALLED ON ROADSIDE FRONT. BETTS PS1 REGISTRATION HOLDER MOUNTED ROADSIDE FRONT. METAL STAMPED VIN PLATE.

BLACK RUBBER DOCK BUMPERS MOUNTED WITH TWO BOLTS. VEEDER ROOT HUBODOMETER MOUNTED INTO THE ROADSIDE FRONT STEMCO HUBCAP (NON-BRACKETED).

NATIONAL SEMI-TRAILER LOGO MUDFLAPS MOUNTED ON BOGIE.

STATE OF FLORIDA **PERMANENT LICENSE TAG** SECURED WITH FOUR (4) RIVETS.

NATIONAL SEMI-TRAILER DECAL AND UNIT NUMBER PACKAGE INSTALLED PER SIGNATURE GRAPHIC INSTRUCTIONS. UNIT NUMBER STENCILED ON CURB SIDE PLYWOOD AT REAR.

NO TRAILER MANUFACTURER IDENTIFICATION DECALS OR LOGOS.