



American Chassis Depot

# 40' GN TANDEM *CONTAINER CHASSIS*



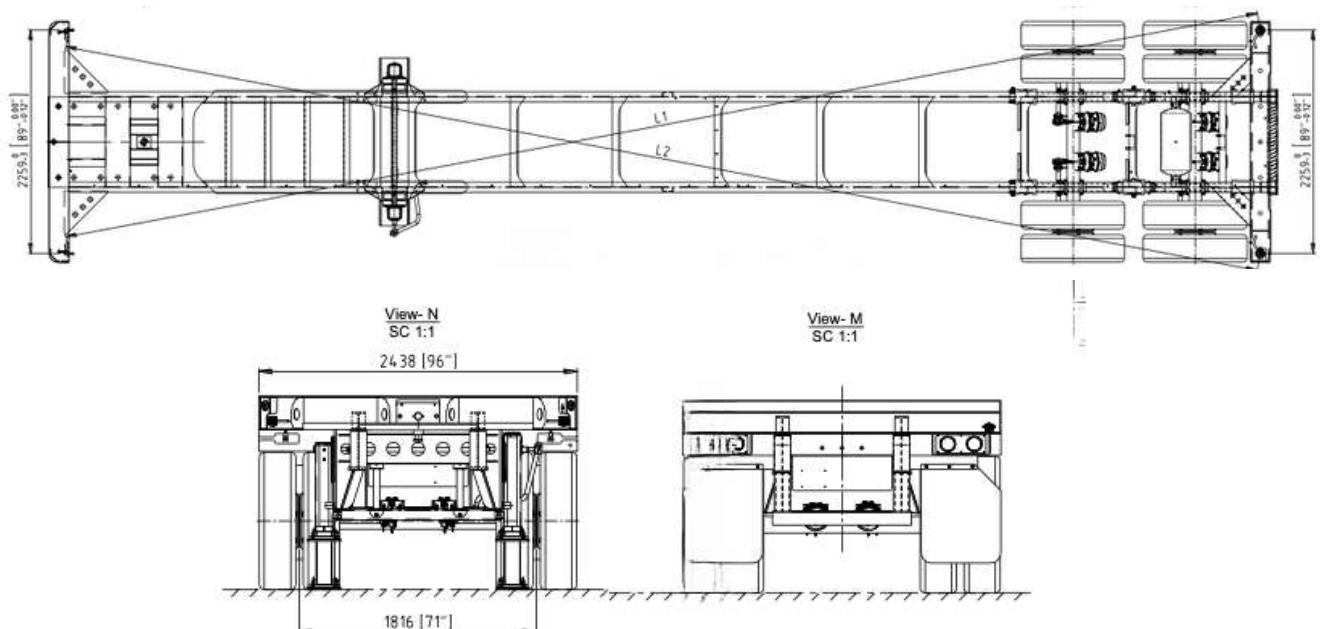
4811 N McCarty St Suite C, Houston, TX 77013



## TECHNICAL SPECIFICATIONS

<b>Overall Length</b>	40'-11"
<b>Overall Width</b>	96"
<b>Overall Height</b>	58"
<b>Fifth Wheel Height</b>	48±1"
<b>Rear Deck Height</b>	48±1"
<b>Kingpin Location</b>	30" (From rear face of front bolster)
<b>Landing Gear Location</b>	100" (From the kingpin center)
<b>Tandem Location</b>	54" (From rear face of rear bolster)
<b>Axle Spread</b>	49"
<b>Tare Weight</b>	6,600 lbs ±2%
<b>Payload</b>	67,200 lbs (30,480kgs)

This chassis is designed for transporting a 40' ISO container  
This chassis meets all DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA specifications







## STEEL FRAME & COMPONENTS

**1. Main Beam** - POSCO W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent.

**2. Cross Member** - 3/16"thick×3"wide×9" deep channel with profiled bar type diagonal brace. Local supplier.

**3. GN Member** - POSCO 5-1/4" deep x 4" wide hot-rolled H-beam, ASTM A572 Grade 50 or equivalent, with 1/2" thick flanges and 1/4" thick web.

**4. Upper Coupler** - 1/4" pick up plate with JOST 2" diameter square type king pin per SAE standard, 380-420 HB, with 2" water drain holes, design to be integrated with main frame through welding.

**5. Front Bolster** - 8"wide×10"high×1/4" thick open section, with 3-1/2" chamfer in full length for gathering container in operation. 7-way receptacle and glad hands are in the center of front bolster. Bent corner caps. Local supplier.

**6. Rear Bolster** - 8"wide×3/8" thick top plate with 7" wide x 6-5/8" deep ×1/4" thick Utype bottom channel. Local supplier.

**7. Rear Bumper** - 4"×4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam. Local supplier.

**14. Wheel End** - SAF Holland York Hub & Drum Assembly. STEMCO 358-4009 Integrated Sentinel Grease Hub Cap with umbrella valve. SKF seals P/N Scotseal plus XL 46300. ORBIT TN bearings. Spindle nut: YORK Double Nut. (5-year warranty wheelend).

**15. Lubricant** - MOBILITH SHC 007 Synthetic Semi-fluid grease lubricant.

**16. Wheels** - SUNRISE 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted WHITE color.

**17. Tires** - WESTLAKE 11R22.5-14PR tubeless type.

**18. Brake System** - SEALCO 110800 spring brake priority valve system and WABCO 2S/1M ABS system. PHILLIPS glad hand 12-0061 and 12-0081. TECTRAN 3/8" blue air tube for control and 3/8" red for supply. HALDEX Goldseal T30/30, 2.5" stroke brake chamber. TCMC air tank (Pre-painted BLACK color).

**19. Electrical Receptacle** - PHILLIPS 16-724 plastic material with split pins.

**8. License Plate Bracket** - Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear fleet number & license plate. Local supplier.

**9. Front Locking Pin** - BUFFERS

**10. Rear Twist Lock** - BUFFERS

**11. Landing Gear** - SAF-HOLLAND ATLAS65 with 65,000 lbs capacity, 2-speed 17" travel with low "T" shoes. Crank handle is located on the driver's side of the chassis. Pre-painted BLACK color. Landing gear brackets are welded on the main beam as the layout.

**12. Suspension** - HUTCH H9700 mechanical tandem suspension, overslung configuration with CASC high-arch 3-leaf spring (354-00). Pre-painted BLACK color.

**13. Axles** - SAF Holland York 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"X7" 4515Q brake. Dust shields are provided. Pre-painted BLACK color. 1.5-28 spline, HALDEX 5.5" automatic slack adjusters. None reserved PSI interface; Heat Sensing Labels. Axle Installation orientation: 270 degrees FRONT, chambers UP (1 abs ready front, 1 non abs rear per unit).

**20. Electrical** - PHILLIPS mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). OPTRONICS LED lights (amp connections for S/T/T lights and 180 bullets for others). The theft proof design used for 4" LED lighting.

**21. Document Holder** - TCMC. Installed on roadside near crank handle.

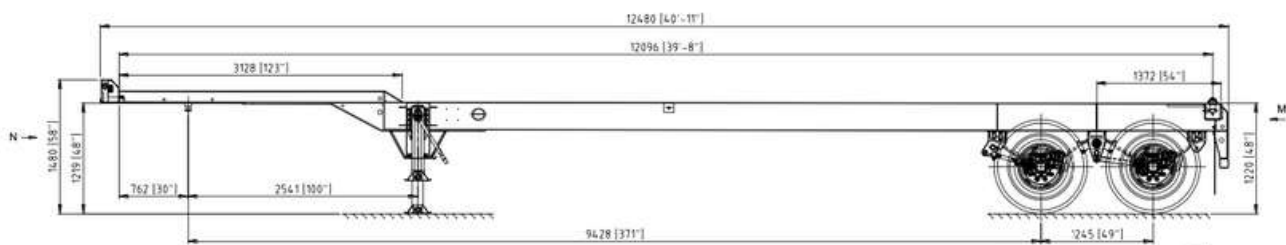
**22. Conspicuity Tape** - "3M" brand. Installed per federal regulations.

**23. Painting** - Abrasive blast of all metal surfaces not less than SA-2.5 to achieve clean bare steel. Surface will be coated with electrophoresis primer and powder topcoat. Color BLACK RAL9005 and at the corner painted YELLOW color. Total thickness not less than 80µm after dry membrane. Coating supplier: PPG (7-year warranty)

**24. Tire Inflation System** - NONE.

**25. Hubodometer** - NONE.

**26. Mud Flaps** - TPC 30"×24"×1/4" Black PVC mud flaps.







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