

THACO SPECIAL VEHICLES MANUFACTURING LIMITED COMPANY

Add: Chu Lai-Truong Hai Automotive Industrial Zone Tam Hiep Commune-Nui Thanh District-Quang Nam Province

CANADIAN 40' GN TRIDEM Specification

Released on May 29th, 2025

1. Model: CTSV/3ASH4004IIICA Contract No.: THACO-OT-2403 (25/100 UNITS)

This chassis is designed for transporting a 40' ISO container.

This chassis meets all DOT, AAR, ANSI, TOFC, CMVSS, SAE and TTMA specifications.

2. General

Overall Length:	40'- 10" (Exclude rear bumper)
Overall Width:	96" (over tire 102")
Overall Height:	58"
Fifth Wheel Height:	48 ± 1"
Rear Deck Height:	48 ± 1"
Kingpin Location:	12" (From rear face of front bolster)
Landing Gear Location:	116" (From the kingpin center)
Tridem Location:	29-3/4" (From rear face of rear bolster)
Axle Spread:	61" + 61"
Tare Weight:	8,600 lbs ±2%
Payload:	75,000 lbs (34,020kgs)

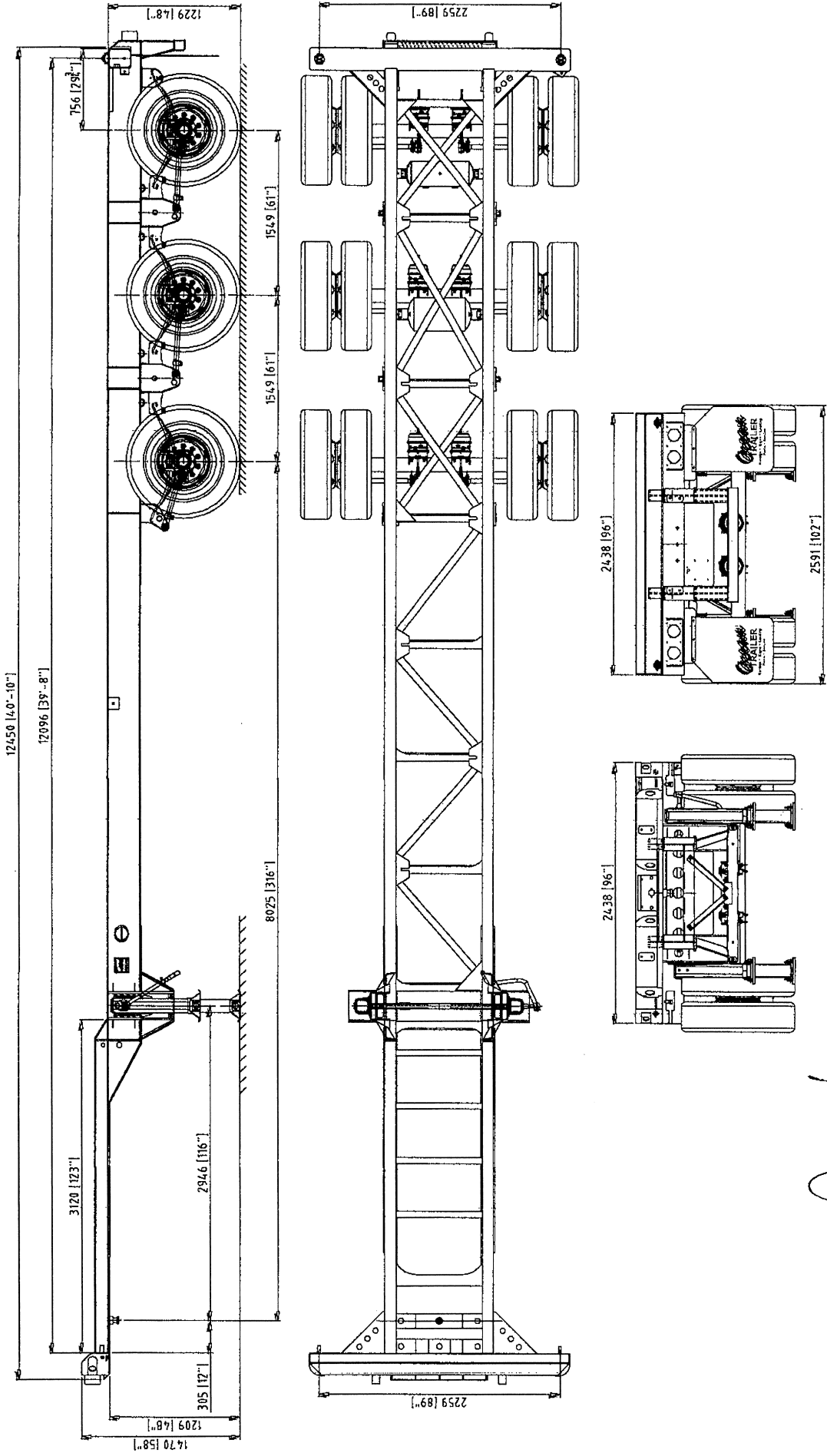
3. Steel Structure & Components

Steel material:	All steel materials supplied from Zero Chinese sources.
Main beam:	POSCO (Vietnam) W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent.
Cross member:	3/16" thick x 3" wide x 9" deep channel with profiled bar type diagonal brace.
GN member:	5-1/4" deep x 4" wide hot-rolled H-beam, 1/2" thick flanges and 1/4" thick web.
Upper Coupler:	5/16" 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.
Front Bolster:	8" wide x 10" high x 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. Cast corner caps (TOCA 905-940-000-RS/CS). Rubbers bumpers installed on front face by bolts. ✓
Rear Bolster:	8" wide x 3/8" thick top plate with 6-7/8" wide x 8" deep x 1/4" thick "U" type bottom channel. Rubbers bumpers installed on rear face by bolts. ✓
Rear Bumper:	4" x 4" square tube step with taper "H" section vertical member with 4" wide x 3/8" thick steel flange and 1/4" thick web. Bar is welded to uprights and main beam.
License plate bracket:	Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear fleet number & license plate.
Front Locking pin:	TOCA 905-910-000-LH/RH
Rear twist Lock:	TOCA 905-130-000-90-LH/RH
Landing Gear:	AXN FW32E00J with 60,000 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 RAL9005 color. Landing gear brackets are welded on the main beam as the layout.
Suspension:	AXN OS 61" tri-axle, overslung configuration with high-arch 3-leaf spring (354-00). Pre-painted BLACK RAL9005 color. ✓
Axles:	AXN 5" round axles with 22500lb capacity; 77.5" track, Q+ 16.5"X7" 4707Q brake with AXN R23 linings. Dust shields are provided. Pre-painted BLACK RAL9005 color. ✓ 1.5-28 spline, HALDEX 5.5" automatic slack adjusters with stroke indicators. Reserved NPT1/4" interface for venting, A vent valve already installed; Heat Sensing Labels. Axle Installation orientation: 270 degrees FRONT, chambers UP (2 abs ready front and rear, 1 non abs mid per unit).
Wheel end:	AXN Hub & Drum Assembly P/N H30-0647BFNTZ/H30-0647BFNZ, STEMCO 358-4009 Integrated Sentinel Grease Hub Cap, STEMCO seals and bearings. Spindle nut: STEMCO Pro-Torq P/N 447-4743. (5-year warranty wheelend).
Lubricant:	Chevron Delo SF semi fluid grease lubricant.
Wheels:	SUNRISE (Vietnam) 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted white color.
Tires:	SAILUN (Vietnam) 11R22.5-16PR tubeless type, S665 tread without owner's logo.
Brake System:	SEALCO 110800 spring brake priority valve system and WABCO 4S/2M ABS system. PHILLIPS glad hand 12-13807 and 12-13607, TECTRAN 3/8" blue air tube for control and 3/8" red for supply. HALDEX Goldseal T30/30, 2.5" stroke brake chamber. FUWA air tanks.
Electrical:	GROTE mold seal wiring harness, Reserved PSI and GPS connector. GROTE LED lights (amp connections for S/T/T lights and .180 bullets for others). The theft proof design used for 4" LED lighting.
Electrical Receptacle:	GROTE die cast nose box with solid pins.
Document Holder:	GROTE Document holder Aluminum tube. Installed on roadside near crank handle.
Conspicuity tape:	"AVERY" brand. Installed per federal regulations.
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: Local supplier (Vietnam).
Marking:	OTR configuration (includes Decal, layout, VIN, Unit Number, nameplate).
Tire Inflation System:	NONE.
Mud flaps:	30"x24"x0.25" (762x610x6.0mm), Black PVC mud flaps with "OTR" logo and address.

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4. Layout



confirmed by CUSTOMER
[Signature]
 OTL# 96570 - 96594

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