

# THACO SPECIAL VEHICLES MANUFACTURING LIMITED COMPANY

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

## CANADIAN 20/40/45' COMBO TRIDEM W/O GENSET Specification

Released on May 29<sup>th</sup>, 2025

### 1. Model: CTSV/3ASH4512CA

Contract No.: THACO-OT-2402 (50/100 UNITS)

This chassis is designed to carry one ISO 20' or 2 x 20' empties or 40' ISO or 45' ISO containers.

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

### 2. General

Overall Length:	34'-7 1/4" (retracted) or 45'-8" (extended)
Overall Width:	96" (over tire 102")
Fifth Wheel Height:	48 ± 1"
Rear Deck Height:	49.8 ± 1"
Kingpin Location:	17.5" (From the rear of the front bolster)
Landing Gear Location:	106-1/2" (From the kingpin center)
Tridem location:	30" (From rear face of rear bolster to rear axle center when extended)
Axle Spread:	61" + 61"
Tare Weight:	11,400 lbs ± 2%
Payload:	65,100lbs for 20' loaded or 73,100lbs for 40' or 45' loaded

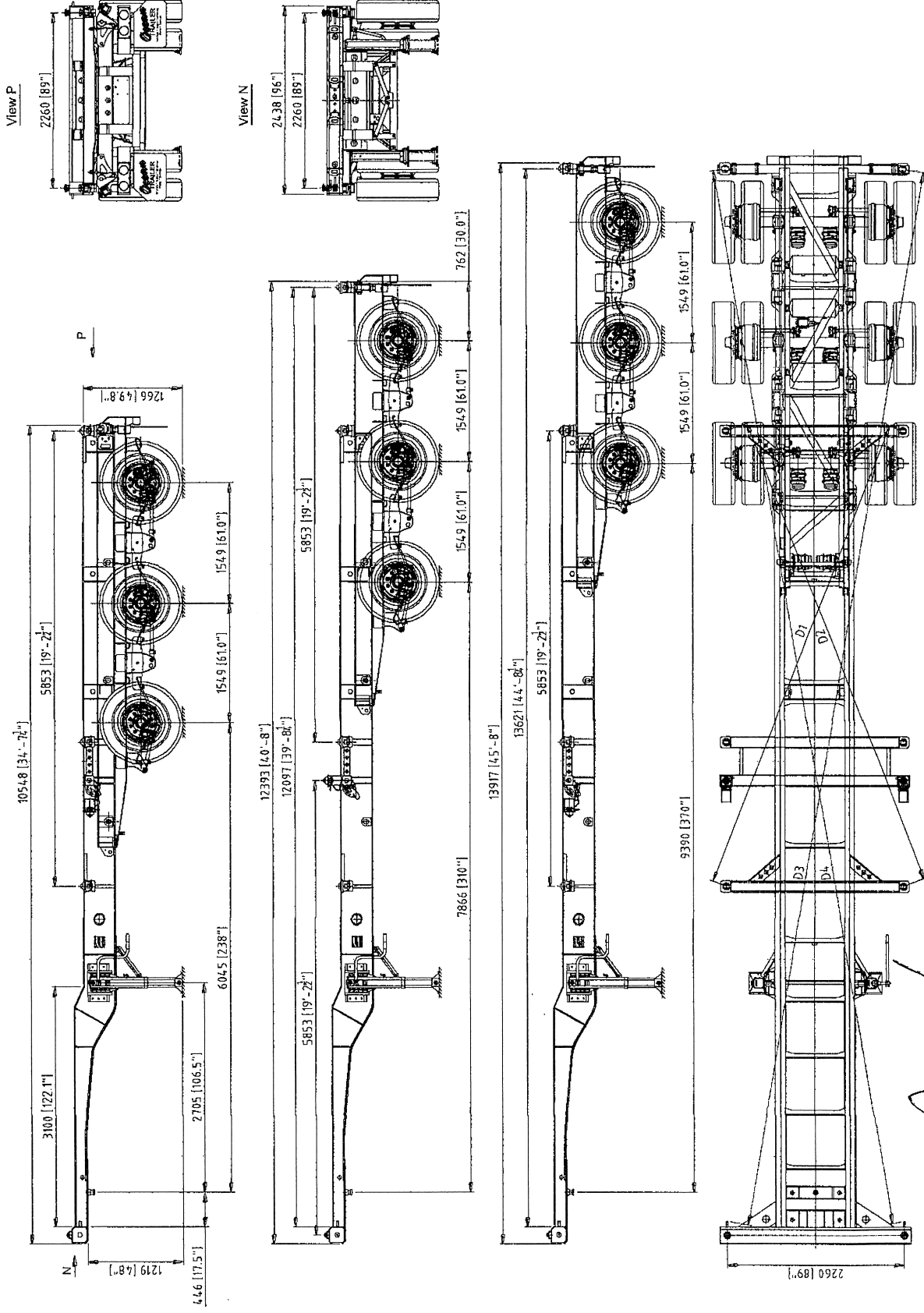
### 3. Steel Structure & Components

Steel material:	All steel materials supplied from Zero Chinese sources.
Main beam:	16"x5" fabricated I-beam with high strength flanges and 6-11/32" height for gooseneck rail.
Upper Coupler:	5/16" pick up plate with <b>JOST 2"</b> diameter square type kingpin per SAE standard, 380-420 HB, with 2" water drain holes, design to be integrated with main frame through welding.
Front Bolster:	Fabricated bolster assembly with high strength plates with 89" centers, equipped with none retractable twist locks. 7-way receptacle and glad hands are in the center of front bolster.
Intermediate Bolster:	Fabricated with retractable twistlocks with swing down twistlocks.
Rear Bolster:	Tapered rectangle bolster of the main frame fabricated by 3/8" thick top and bottom plate with 5/16" thick side plates. 6-5/8" height x 4" wide fabricated box beam bolster on slider composed by 1/2" thick top/bottom plates with 5/16" thick side plates with flip up twistlocks.
Slider beam:	Fabricated I beam with 3/4"x5" upper and lower flanges and 3/16" web, slider extends or retract on 6" diameter steel rollers.
Locking system:	Air operated locking pins, activated by 30/30 spring brakes on both sides of the trailer through third gladhand on front sill.
Landing Gear:	<b>AXN FW32E00J</b> 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 <b>BLACK RAL9005</b> color. Landing gear brackets are bolted on the main beam as the layout.
Container locks:	<b>TOCA</b>
Suspension:	<b>AXN US 61"</b> tri-axle, underslung configuration with high-arch single spring (360-00). Pre-painted <b>BLACK RAL9005</b> color.
Axles:	<b>AXN 5"</b> round axles with 22,500lb capacity; 77.5" track; Q+ 16.5"x7" 4707Q brake with <b>AXN R23</b> linings. Dust shields are provided. Pre-painted <b>BLACK RAL9005</b> color. 1.5-28 spline, <b>HALDEX 5.5"</b> automatic slack adjusters with stroke indicators. Reserved NPT1/8" interface for venting, A vent valve already installed; Heat Sensing Labels. Axle Installation orientation: 90 degrees REAR, chambers DOWN (2 abs ready front and rear, 1 non abs mid per unit).
Wheel end:	<b>AXN Hub &amp; Drum Assembly P/N H30-0647BFNTZ/H30-0647BFNZ. STEMCO 358-4009</b> Integrated Sentinel Hub Cap. <b>STEMCO</b> seals and bearings. Spindle nut: <b>STEMCO Pro-Torq P/N 447-4743</b> . (5-year warranty wheelend).
Lubricant:	<b>Petro Canada precision synthetic EP 00 semi fluid</b> grease lubricant.
Wheels:	<b>SUNRISE 22.5 x 8.25 10-stud hub-piloted</b> wheels with 5 hand holes and with TR572 valve stem. Pre-painted <b>white</b> color.
Tires:	<b>SAILUN 11R22.5-16PR</b> tubeless type, <b>S665</b> tread without owner's logo.
Brake System:	<b>SEALCO 110800</b> spring brake priority valve system and <b>WABCO 4S/2M</b> ABS system. <b>PHILLIPS</b> glad hand 12-0061 and 12-0081, <b>TECTRAN 3/8"</b> blue air tube for control and 3/8" red for supply. <b>HALDEX Goldseal T30/30, 2.5"</b> stroke brake chamber. <b>FUWA</b> air tanks.
Electrical:	<b>GROTE</b> mold seal wiring harness, Reserved PSI and GPS connector. <b>GROTE</b> 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:	<b>GROTE</b> die cast nose box with solid pins.
Document Holder:	<b>PHILLIPS 16-802</b> . Installed on roadside near crank handle.
Conspicuity tape:	" <b>AVERY</b> " 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 <b>BLACK RAL9005</b> and at the corner painted <b>YELLOW</b> color. Total thickness not less than 80µm after dry membrane. Coating supplier: <b>Local supplier</b> .
Marking:	<b>OTR</b> configuration (includes Decal, layout, VIN and nameplate).
Tire Inflation System:	<b>NONE</b>
Hubodometer:	<b>NONE</b>
Mud flaps:	18"x24"x0.25" (457x610x6.0mm), <b>BLACK</b> PVC mud flaps with " <b>OTR</b> " logo and address.

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## 4. Layout



confirmed by CUSTOMER

*Signature*  
09/06/15 - 96694

<http://www.thacotrailers.com>

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