

**CANADIAN 20/40/45' COMBO TRIDEM W/O GENSET Specification**Released on September 10<sup>th</sup>, 2024**1. Model: CTSV/3ASH4512CA Quotation No.: THACO-OT-\_\_\_ (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**

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

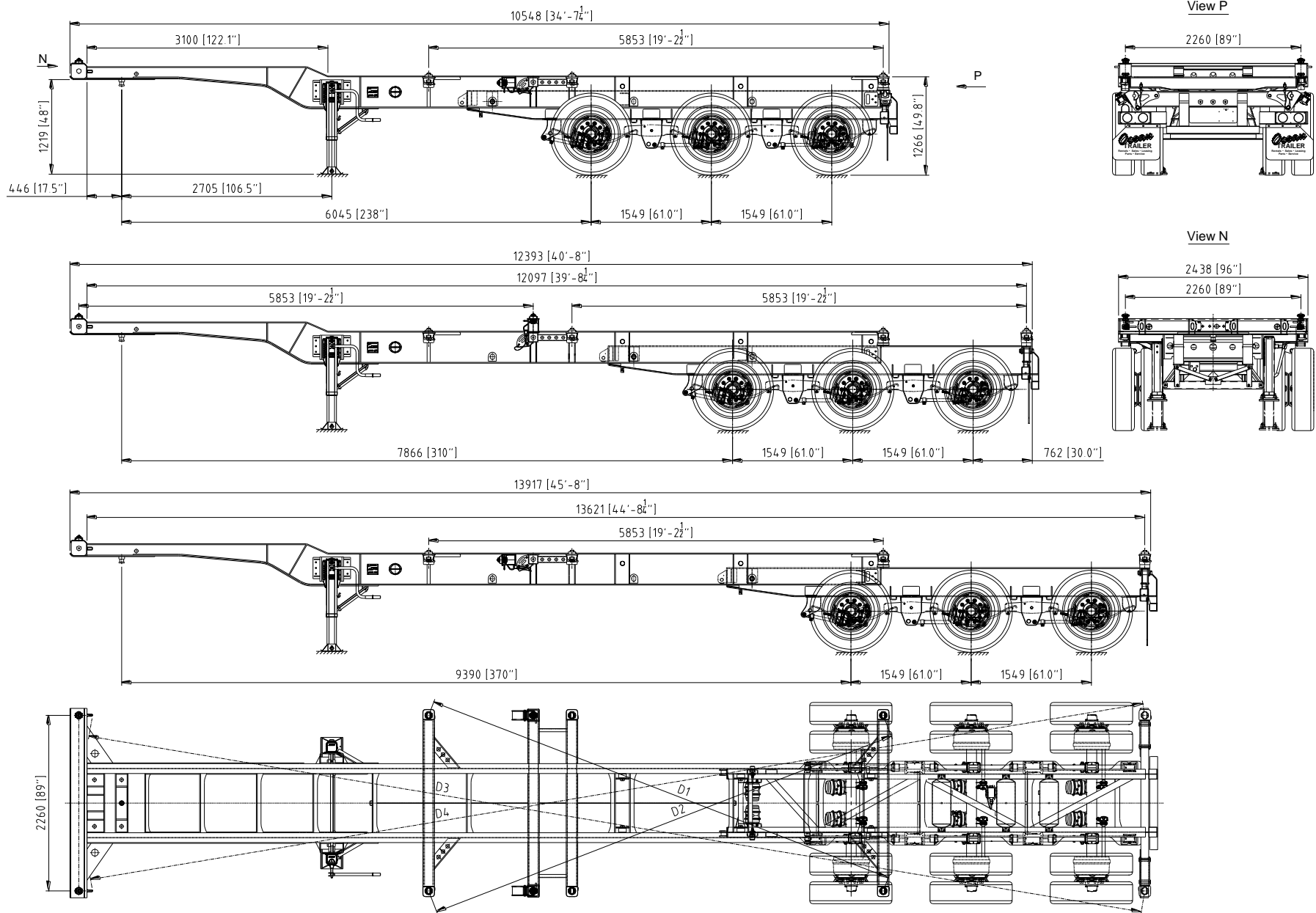
**3. Steel Structure & Components**

<b>Steel material:</b>	All steel materials supplied from Zero Chinese sources.
<b>Main beam:</b>	16"x5" fabricated I-beam with high strength flanges and 6-11/32" height for gooseneck rail.
<b>Upper Coupler:</b>	5/16" pick up plate with <b>JOST</b> 2" diameter square type kingpin per SAE standard, 380-420 HB, with 2" water drain holes, design to be integrated with main frame through welding.
<b>Front Bolster:</b>	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.
<b>Intermediate Bolster:</b>	Fabricated with retractable twistlocks with swing down twistlocks.
<b>Rear Bolster:</b>	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.
<b>Slider beam:</b>	Fabricated I beam with 3/4"x5" upper and lower flanges and 3/16" web, slider extends or retract on 6" diameter steel rollers.
<b>Locking system:</b>	Air operated locking pins, activated by 30/30 spring brakes on both sides of the trailer through third gladhand on front sill.
<b>Landing Gear:</b>	<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.
<b>Container locks:</b>	<b>TOCA</b>
<b>Suspension:</b>	<b>AXN US 61"</b> tri-axle, underslung configuration with high-arch single spring (360-00). Pre-painted <b>BLACK RAL9005</b> color.
<b>Axles:</b>	<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 PSI interface; Heat Sensing Labels. Axle Installation orientation: 90 degrees REAR, chambers DOWN (2 abs ready front and rear, 1 non abs mid per unit).
<b>Wheel end:</b>	<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).
<b>Lubricant:</b>	<b>Petro Canada precision synthetic EP 00 semi fluid</b> grease lubricant.
<b>Wheels:</b>	<b>SUNRISE 22.5 x 8.25</b> 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted <b>white</b> color.
<b>Tires:</b>	<b>SAILUN 11R22.5-16PR</b> tubeless type, <b>S665</b> tread without owner's logo.
<b>Brake System:</b>	<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, 3/8" 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.
<b>Electrical:</b>	<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.
<b>Electrical Receptacle:</b>	<b>GROTE die cast nose box with solid pins.</b>
<b>Document Holder:</b>	<b>PHILLIPS 16-802.</b> Installed on roadside near crank handle.
<b>Conspicuity tape:</b>	" <b>AVERY</b> " brand. Installed per federal regulations.
<b>Painting:</b>	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>
<b>Marking:</b>	<b>OTR</b> configuration (includes Decal, layout, VIN and nameplate).
<b>Tire Inflation System:</b>	<b>NONE</b>
<b>Hubodometer:</b>	<b>NONE</b>
<b>Mud flaps:</b>	18"x24"x0.25" (457x610x6.0mm), <b>BLACK</b> PVC mud flaps with " <b>OTR</b> " logo and address.

# THACO SPECIAL VEHICLES MANUFACTURING LIMITED COMPANY

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## 4. Layout



confirmed by CUSTOMER

confirmed by THACO