

## 20' SL TANDEM WITH FIFTH WHEEL Specification

**1. Model: TITS/2ASH2004ICA**

**Quotation No.: - (28 UNITS)**

This chassis is designed for transporting a 20' ISO container for B-train operation in highway.  
This chassis meets all DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA specifications.

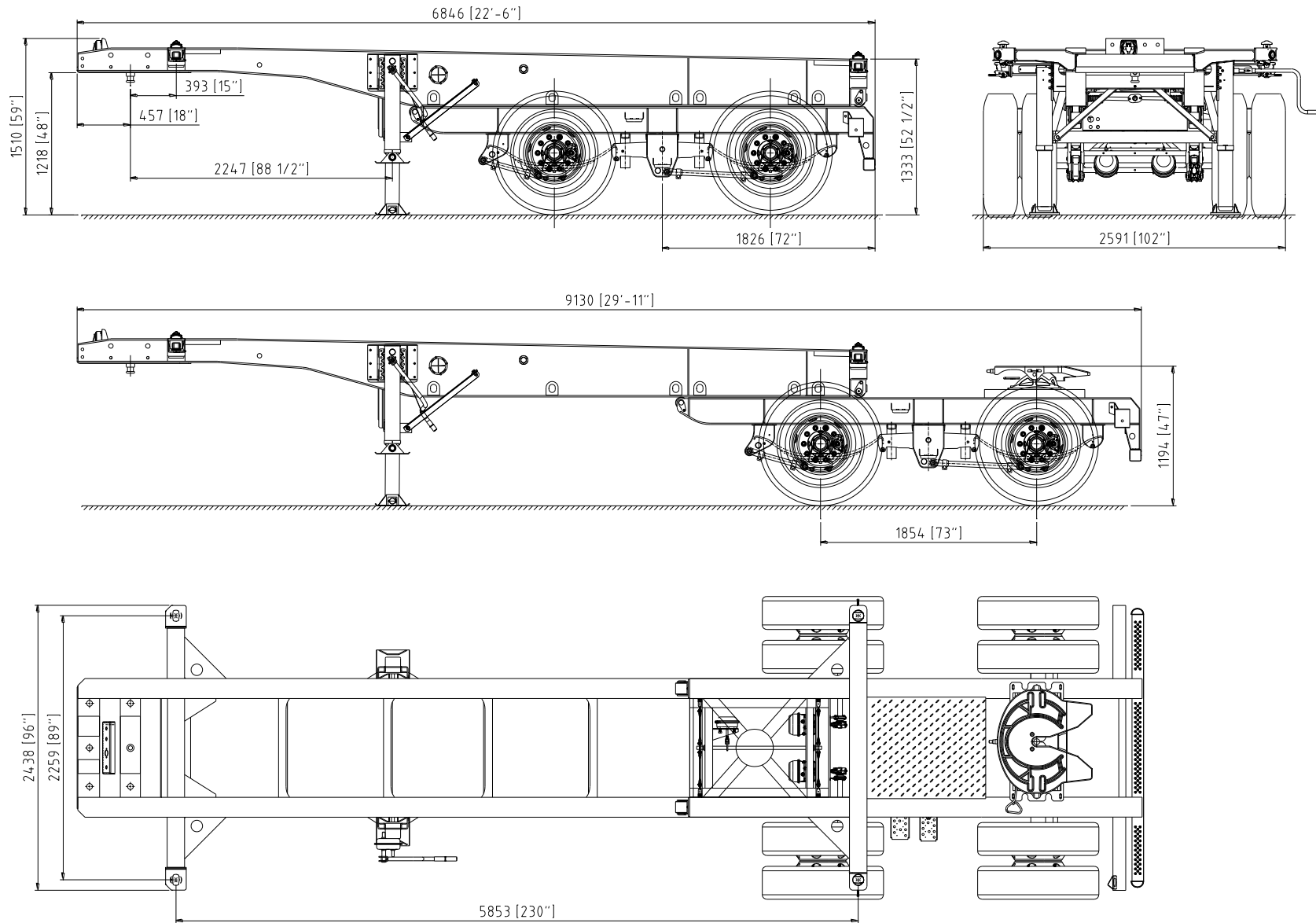
**2. General**

<b>Overall Length:</b>	22'-6" (retracted) or 29'-11" (extended)
<b>Overall Width:</b>	96" (over tire 102")
<b>Overall Height:</b>	59"
<b>Fifth Wheel Height:</b>	48 ± 1"
<b>Rear Deck Height</b>	52 1/2 ± 1"
<b>Kingpin Location:</b>	18" (From the front face of the pick-up plate)
<b>Landing Gear Location:</b>	88 1/2" (From the kingpin center)
<b>Tandem location:</b>	72" (From rear face of rear bumper)
<b>Axle Spread:</b>	73"
<b>Tare Weight:</b>	9,200 lbs ± 2%
<b>Payload:</b>	52,910 lbs (24,000kgs)

**3. Steel Structure & Components**

<b>Main beam:</b>	Fabricated H-beam with 1/2" x 6 3/4" top and bottom flanges and 5/16" thick web, ASTM A572 Grade 50 or equivalent.
<b>Cross member:</b>	1/4" thick channel with profiled bar type diagonal brace.
<b>Upper Coupler:</b>	5/16" pick up plate with <b>JUST</b> 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.
<b>Upper Coupler rails:</b>	Fabricated steel.
<b>Front Bolster:</b>	A572 grade 50 steel 5 7/8" x 4" rectangle bolster fabricated by 1/2" thick top plate and 5/16" thick bottom plate with 3/8" thick side plates.
<b>Rear Bolster:</b>	A572 grade 50 steel 5 7/8" x 4" rectangle bolster fabricated by 1/2" thick top and bottom plates with 3/8" thick side plates.
<b>Sliding extension beam:</b>	9" deep fabricated "H" beam with reinforced web, ASTM A572 Grade 50 or equivalent. Easily operated self-locating and self-locking spring loaded pin mechanism is used to lock the frame activated by a single brake chamber on the slider beam of the trailer through third gladhand on front sill.
<b>Rear Bumper:</b>	4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam.
<b>License plate bracket:</b>	Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear fleet number & license plate.
<b>Twist Lock:</b>	<b>TOCA 905-800-400B/500B</b> for front bolster assembly and <b>TOCA 905-160-000</b> for rear bolster assembly.
<b>Landing Gear:</b>	<b>AXN FW32E00J</b> with 60,000 lbs capacity, 2-speed 19" 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>Suspension:</b>	<b>HUTCH H9700T</b> mechanical tandem suspension, underslung configuration; 73" axle space with high-arch 3-leaf spring (354-00) with 40" spring hanger center. Pre-painted <b>BLACK RAL9005</b> color. <b>OPTION: AXN 73" suspension.</b>
<b>Axles:</b>	<b>AXN</b> 5" round axles with 23,500lb capacity; 77.5" track, Q+ 16.5"X7" 4707Q brake with AXN R23 linings. Dust shields are provided. Pre-painted <b>BLACK RAL9005</b> color. 1.5-28 spline, <b>HALDEX</b> 5.5" automatic slack adjusters. Reserved PSI interface; Heat Sensing Labels. Axle Installation orientation: 90 degrees REAR, chambers DOWN (1 abs ready front, 1 non abs rear per unit).
<b>Wheel end:</b>	<b>AXN</b> Hub & Drum Assembly P/N H30-0647BFNTZ/H30-0647BFNZ. <b>STEMCO</b> 358-4009 Integrated Sentinel Grease Hub Cap. <b>STEMCO</b> seals and bearings. Spindle nut: <b>STEMCO Pro-Torq</b> P/N 447-4743. (5-year warranty wheelend).
<b>Lubricant:</b>	<b>Petro Canada precision synthetic EP 00 semi fluid</b> grease lubricant.
<b>Wheels:</b>	<b>SUNRISE</b> 22.5 x 8.25 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.
<b>Brake System:</b>	<b>SEALCO</b> 110800 spring brake priority valve system, <b>SEALCO</b> 110580 control line valve and <b>WABCO</b> 2S/1M ABS system. <b>PHILLIPS</b> glad hand 12-0061 and 12-0081, 3/8" blue air tube for control and 1/2" red for supply. <b>HALDEX Goldseal</b> T30/30, 2.5" stroke brake chamber. <b>FUWA</b> air tanks.
<b>Electrical:</b>	<b>PHILLIPS</b> mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). <b>OPTRONICS</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>PHILLIPS</b> 15-7292 zinc alloy material with solid pins.
<b>Document Holder:</b>	<b>PHILLIPS</b> 16-802. 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>NOROO</b> (7-year warranty).
<b>Marking:</b>	<b>OTR</b> configuration (includes Decal, layout, nameplate)
<b>Hubodometer:</b>	<b>NONE</b>
<b>Tire Inflation System:</b>	<b>NONE</b>
<b>Mud flaps:</b>	24"x24"x1/4" Black PVC mud flaps with " <b>OTR</b> " logo.
<b>Rear fifth wheel:</b>	<b>HOLLAND</b> FW35.

**4. Layout**



confirmed by **CUSTOMER**

confirmed by **THACO**