



E&M Trading and Logistics LLC
Zion Global LLC



CHASSIS SPECIFICATIONS



40' Gooseneck Tandem Semi-trailer



40/45' EX Tandem Semi-trailer



20/40' Combo Tandem Semi-trailer



20/40' Combo Tridem Semi-trailer



20/40' City Combo Tandem Semi-trailer



53' Gooseneck Tandem Semi-trailer



40/53'EX Slider Tridem Semi-trailer



33' Slider Tridem Semi-trailer



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← 01 40' GN Tandem →

Model: CTSV/2AS4004IIIUS

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

This chassis meets all **DOT, AAR, ANSI, TOFC, FMVSS, SAE** and **TTMA** specifications

General Information

Overall Length:	40'-11"
Overall Width:	96"
Overall Height:	58"
Fifth Wheel Height:	48 ± 1"
Rear Deck Height:	48 ± 1"
Kingpin Location:	30" (From rear face of front bolster)
Landing Gear Location:	100" (From the kingpin center)
Tandem Location:	54" (From rear face of rear bolster)
Axle Spread:	49"
Tare Weight:	6,600 lbs ± 3%
Payload:	67,200 lbs (30,480kgs)



01 40' GN Tandem



Steel Structure & Components P1

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. Local supplier (Vietnam).
GN member:	POSCO (Vietnam) 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.
Upper Coupler:	1/4" pick up plate with JOST (USA) 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. Bent corner caps
Rear Bolster:	8" wide x 3/8" thick top plate with 7" wide x 6-5/8" deep x 1/4" thick "U" type bottom channel. Local supplier (Vietnam).
Rear Bumper:	4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam. Local supplier (Vietnam).
License plate bracket:	Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear fleet number & license plate. Local supplier (Vietnam).
Front Locking pin:	TOCA (China) 905-910-000-LH/RH
Rear twist Lock:	TOCA (China) 905-130-000-90-LH/RH
Landing Gear:	SAF-HOLLAND (USA) 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 RAL9005 color. Landing gear brackets are welded on the main beam as the layout.
Suspension:	TCMC (Vietnam) mechanical tandem suspension, overslung configuration with CASC (Vietnam) high-arch 3-leaf spring (354-00). Pre-painted BLACK RAL9005 color. <i>(All bolts of suspension system from China)</i>
Axles:	YORK (India) 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"X7" 4515Q brake. Dust shield are provided. Pre-painted BLACK RAL9005 color. 1.5-28 spline, HALDEX (India) 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).



01 40' GN Tandem



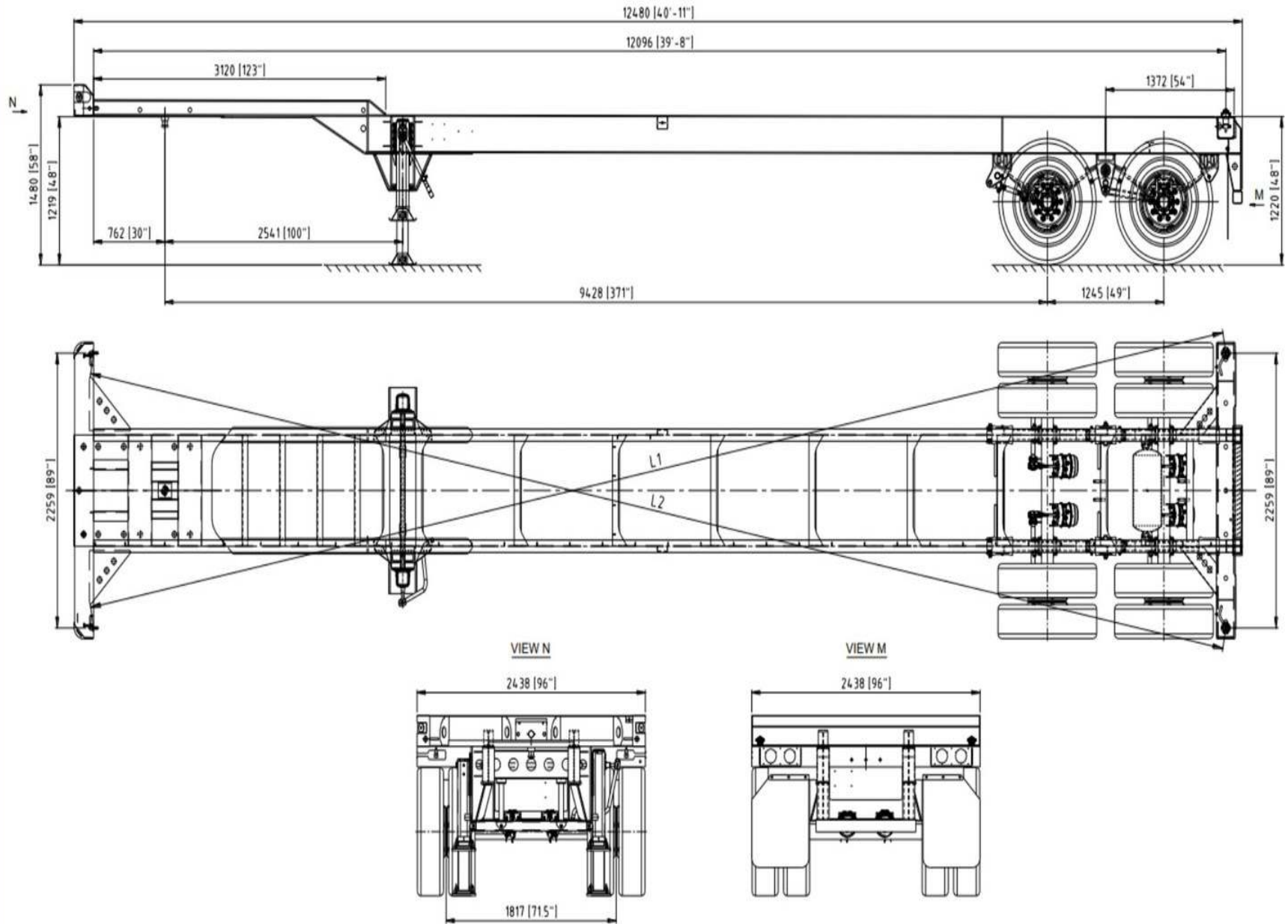
Steel Structure & Componentsmation P2

Wheel end:	YORK (India) Hub & Drum Assembly. STEMCO (USA) 358-4009 Integrated Sentinel Grease Hub Cap with umbrella valve. SKF (USA) seals P/N Scotseal plus XL 46300 / Scotseal Classic 46305. ORBIT TN (India) bearings. Spindle nut: YORK (India) Double Nut. (5-year warranty wheelend).
Lubricant:	MOBILITH SHC 007 (India) Synthetic 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 (USA) 110800 spring brake priority valve system and WABCO (Thailand/USA/China) 2S/1M ABS system. PHILLIPS (China) glad hand 12-0061 and 12-0081. TECTRAN (China) 3/8" blue air tube for control and 3/8" red for supply. HALDEX (China) Goldseal T30/30, 2.5" stroke brake chamber. TCMC (Vietnam) air tank (Pre-painted BLACK RAL9005 color).
Electrical:	PHILLIPS (USA) mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). OPTRONICS (USA) 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:	PHILLIPS (USA).
Document Holder:	TCMC (Vietnam). Installed on roadside near crank handle.
Conspicuity tape:	" 3M " (China) 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: PPG (Vietnam) (7-year warranty).
Marking:	Customer configuration (includes Decal, layout, VIN, nameplate). Local supplier (Vietnam).
Tire Inflation System:	NONE .
Hubodometer:	NONE
Mud flaps:	TPC (Vietnam) 24"x30"x1/4" White PVC mud flaps without logo.



01 40' GN Tandem

Layout





01 40' GN Tandem

Photo



← 02 40/45' EX TANDEM →

Model: CTSV/2ASJ4504IIIUS

This chassis is designed for transporting a **40'** or a **45'** ISO container.

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

General Information

Overall Length:	40'-11" retracted or 45'-11" extended
Overall Width:	96"
Overall Height:	58"
Fifth Wheel Height:	48 ± 1"
Rear Deck Height:	48 ± 1"
Kingpin Location:	30" (From rear face of front bolster)
Landing Gear Location:	100" (From the kingpin center)
Tandem Location:	54" (From rear face of rear bolster)
Axle Spread:	49"
Tare Weight:	7,400 lbs ± 3%
Payload:	67,200 lbs (30,480kgs)



02 40/45' EX TANDEM



Steel Structure & Componentsmation P1

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. Local supplier (Vietnam).
GN member:	POSCO (Vietnam) 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.
Upper Coupler:	1/4" pick up plate with JOST (USA) 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. Bent corner caps.
Rear Bolster:	8" wide x 3/8" thick top plate with 7" wide x 6-5/8" deep x 1/4" thick "U" type bottom channel. Local supplier (Vietnam).
Rear Bumper:	4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam. Local supplier (Vietnam).
License plate bracket:	Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear fleet number & license plate. Local supplier (Vietnam).
Frame Extension:	7-5/8" deep fabricated I-beam with 5-1/2"x3/8" flanges and 1/4" thick web. Easily operated self-locating and self-locking spring loaded pin mechanism is used to lock the frame. Local supplier (Vietnam).
Front Locking pin:	TOCA (China) 905-910-000-LH/RH
Rear twist Lock:	TOCA (China) 905-130-000-90-LH/RH
Landing Gear:	SAF-HOLLAND (USA) 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 RAL9005 color. Landing gear brackets are welded on the main beam as the layout.
Suspension:	TCMC (Vietnam) mechanical tandem suspension, overslung configuration with CASC (Vietnam) high-arch 3-leaf spring (354-00). Pre-painted BLACK RAL9005 color. <i>(All bolts of suspension system from China)</i>
Axles:	YORK (India) 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"X7" 4515Q brake. Dust shield are provided. Pre-painted BLACK RAL9005 color.
	1.5-28 spline, HALDEX (India) 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).



02 40/45' EX TANDEM



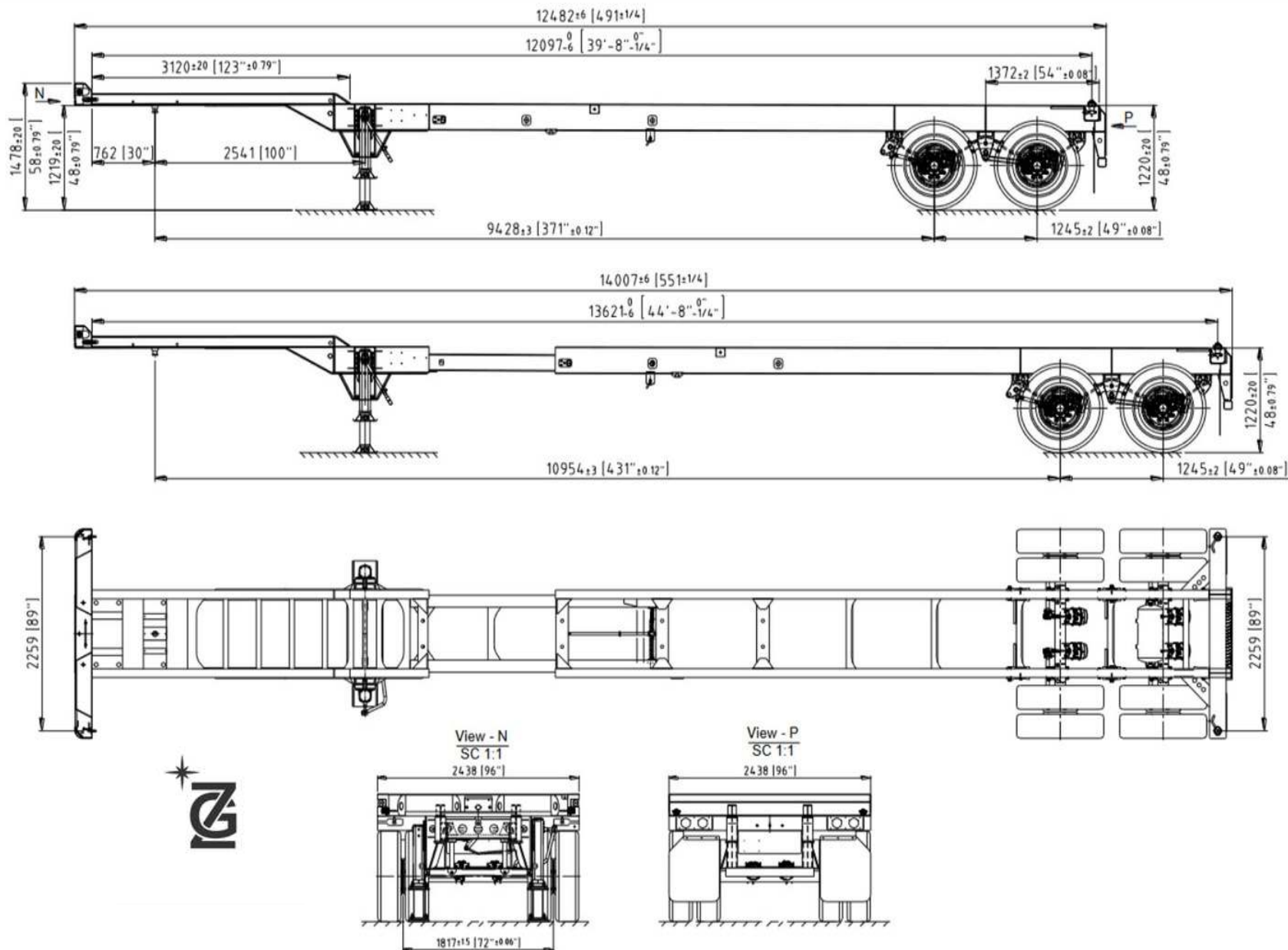
Steel Structure & Componentsmation P2

Wheel end:	YORK (India) Hub & Drum Assembly. STEMCO (USA) 358-4009 Integrated Sentinel Grease Hub Cap with umbrella valve. SKF (USA) seals P/N Scotseal plus XL 46300 / Scotseal Classic 46305. ORBIT TN (India) bearings. Spindle nut: YORK (India) Double Nut. (5-year warranty wheelend).
Lubricant:	MOBILITH SHC 007 (India) Synthetic 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 (USA) 110800 spring brake priority valve system and WABCO (Thailand/USA/China) 2S/1M ABS system. PHILLIPS (China) glad hand 12-0061 and 12-0081. TECTRAN (China) 3/8" blue air tube for control and 3/8" red for supply. HALDEX (China) Goldseal T30/30, 2.5" stroke brake chamber. TCMC (Vietnam) air tank (Pre-painted BLACK RAL9005 color).
Electrical:	PHILLIPS (USA) mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). OPTRONICS (USA) 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:	PHILLIPS (USA)
Document Holder:	TCMC (Vietnam). Installed on roadside near crank handle.
Conspicuity tape	" 3M " (China) 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: PPG (Vietnam) (7-year warranty).
Marking:	Customer configuration (includes Decal, layout, VIN, nameplate). Local supplier (Vietnam).
Hubodometer:	NONE .
Mud flaps:	NONE
Tire Inflation System:	TPC (Vietnam) 24"x30"x1/4" White PVC mud flaps without logo.



02 40/45' EX TANDEM

Layout





02 40/45' EX TANDEM

Photo



← 03 20/40 City Combo Tandem →

Model: CTSV/2ASJ4006IVUS

This chassis is designed for transporting one **ISO 20'** or one **ISO 40' containers**.

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

General Information

Overall Length:	29' -11" retracted or 40'-10" extended
Overall Width:	96"
Fifth Wheel Height:	48 ± 1"
Kingpin Location:	24" (From rear face of front bolster)
Landing Gear Location:	100" (From centerline of kingpin)
Tandem Location:	54" (From rear face of rear bolster)
Axle Spread:	49"
Tandem Location:	54" (From rear face of rear bolster)
Tare Weight:	7,660 lbs ± 3%
Payload:	44,640 lbs in 20' position; 67,040 lbs in 40' position



03 20/40 City Combo Tandem



Steel Structure & Components P1

Front Main beam:	Fabricated I-beam with high strength Grade 100 steel flanges.
Cross member:	Fabricated 3/16" thick channel with profiled bar type diagonal brace. Local supplier (Vietnam).
Upper Coupler:	5/16" pick up plate with JOST (China) 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 located in the center of front bolster. Bent corner caps. Local supplier (Vietnam).
Front Locking pin:	TOCA (China) 905-910-000-LH/RH
Center Bolster:	8" wide x 6" deep x 1/4" thick tube section. ASTM A-500 GR.B or equivalent. Local supplier (Vietnam).
Center twist Lock:	TOCA (China) 905-160-000
Rear Bolster:	8" wide x 3/8" thick top plate with 7" wide x 6-5/8" deep x 1/4" thick "U" type bottom channel. Local supplier (Vietnam).
Rear twist Lock:	TOCA (China) 905-130-000-90-LH/RH
Rear Bumper:	4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam. Local supplier (Vietnam).
Extension Beam:	Fabricated 7-5/8" tall x 5-1/4" wide I-beam with high strength Grade 100 steel flanges.
Rear Main beam:	POSCO (Vietnam) W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent.
Locking system:	Air operated locking pins, Activated by HALDEX (USA/Mexico) Goldseal 24/24 spring brakes on both sides of the trailer through third glad hand on front sill.
Landing Gear:	SAF-HOLLAND (USA) 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 RAL9005 color. Landing gear brackets are bolted on the main beam as the layout.
Suspension:	TCMC (Vietnam) mechanical tandem suspension, overslung configuration with CASC (Vietnam) 3-leaf high arch springs (354-00). Pre-painted BLACK RAL9005 color. <i>(All bolts of suspension from China)</i>
Axles:	YORK (India) 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"X7" 4515Q brake. Dust shields are provided. Pre-painted BLACK RAL9005 color.
	1.5-28 spline, HALDEX (USA) 6.0" automatic slack adjusters.
	None reserved PSI interface; Heat Sensing Labels.
	Axle Installation orientation: 90 degrees REAR, chambers DOWN (1 abs ready front, 1 non abs rear per unit).



03 20/40 City Combo Tandem



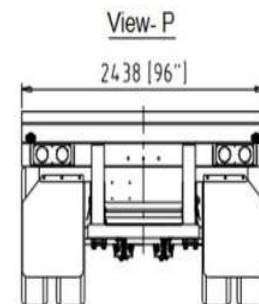
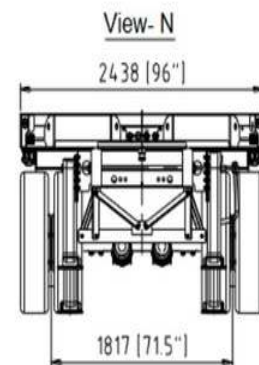
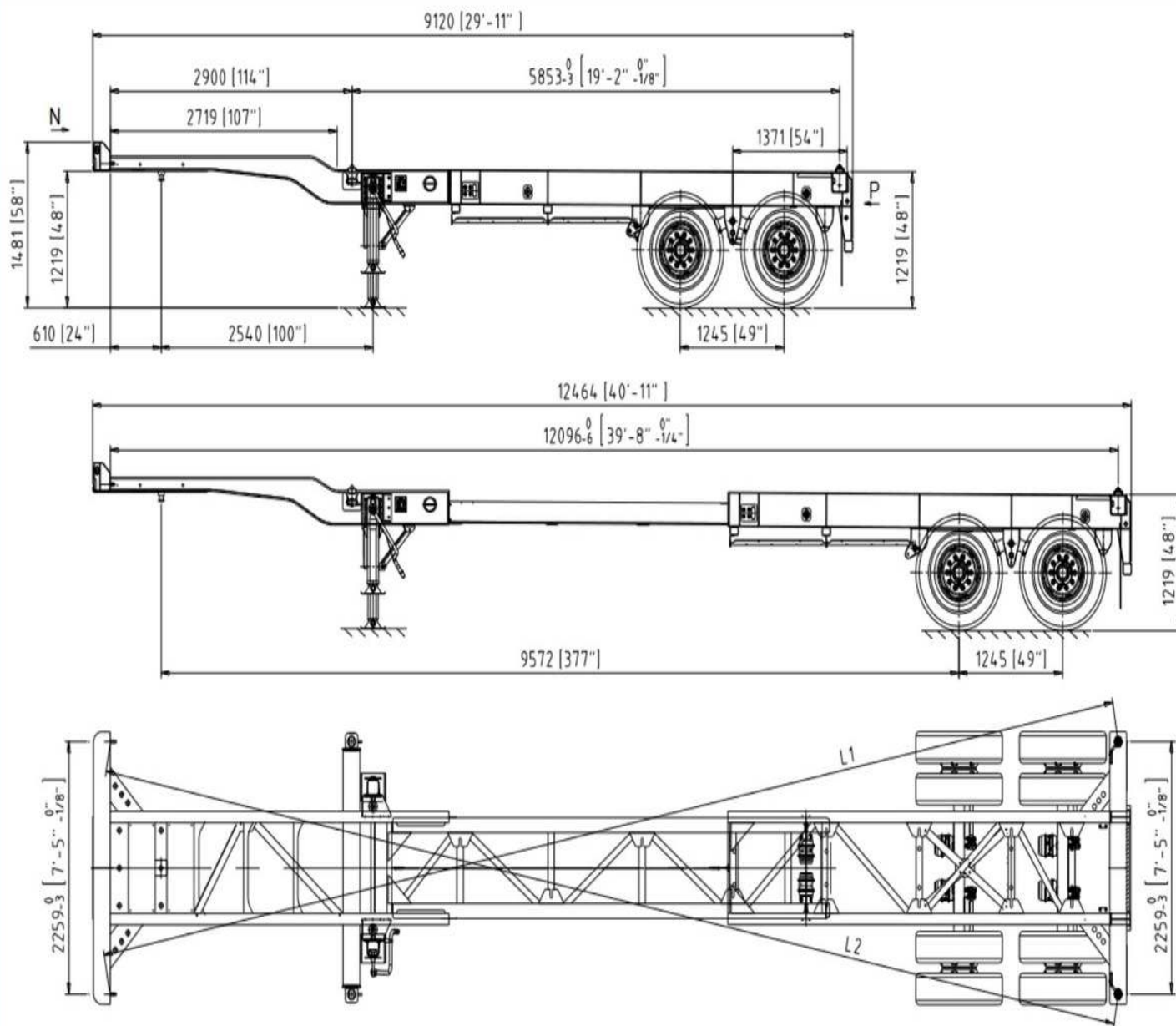
Steel Structure & Componentsmation P2

Wheel end:	YORK (India) Hub & Drum Assembly. STEMCO (USA) 358-4009 Intergrated Sentinel Grease Hub Cap. SKF (USA) seals P/N Scotseal plus XL 46300 / Scotseal Classic 46305. ORBIT TN (India) bearings. Spindle nut: YORK (India) Double Nut. (5-year warranty wheelend).
Lubricant:	MOBILITH SHC 007 (India) Synthetic 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 (USA) 110800 spring brake priority valve system and WABCO (Thailand/USA/China) 2S/1M ABS system. PHILLIPS (China) glad hand 12-0061 and 12-0081. TECTRAN (China) 3/8" blue air tube for control and 3/8" red for supply. HALDEX (China) Goldseal T30/30, 3.0" stroke brake chamber. TCMC (Vietnam) air tanks (Pre-painted BLACK RAL9005 color).
Electrical:	PHILLIPS (China) mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). OPTRONICS (Taiwan) 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:	PHILLIPS (China)
Document Holder:	TCMC (Vietnam). Installed on roadside near crank handle.
Conspicuity tape:	" 3M " (China) 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: PPG (Vietnam) (7-year warranty).
Marking:	Customer configuration (includes Decal, layout, VIN, nameplate). Local supplier (Vietnam).
Hubodometer:	NONE
Tire Inflation System	NONE
Mud flaps	TPC (Vietnam) 30"x24"x1/4" White PVC mud flaps without logo.



03 20/40 City Combo Tandem

Layout





03 20/40 City Combo Tandem

Photo



← 04 20/40' COMBO TANDEM →

Model: CTSV/2ASH4012IVUS

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

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

General Information

Overall Length:	31'-7" (retracted) or 40'-11" (extended)
Overall Width:	96"
Fifth Wheel Height:	47 ± 1"
Rear Deck Height:	48 ± 1"
Kingpin Location:	18" (From the rear of the front bolster)
Landing Gear Location:	100" (From the kingpin center)
Tandem Location:	32" (From rear face of rear bolster to rear axles center when extended)
Axle Spread:	109"
Tare Weight:	9,350 lbs ± 3%
Payload:	54,500lbs for 20' loaded or 57,000lbs for 40' loaded



04 20/40' COMBO TANDEM



Steel Structure & Componentsmation P1

Main beam:	16"x5" fabricated I-beam with high strength flanges and 6-11/32" height for gooseneck rail. ASTM Grade 130.
Upper Coupler:	5/16" pick up plate with JOST (China) 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.
Front Bolster:	Fabricated bolster assembly with high strength plates with 89" centers, equipped with none retractable twist locks. Local supplier (Vietnam).
Intermediate Bolster:	Fabricated with retractable twistlocks with swing down twistlocks. Local supplier (Vietnam).
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. Local supplier (Vietnam).
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. Local supplier (Vietnam).
Locking system:	Air operated locking pins, activated by HALDEX (China) Goldseal 30/30 spring brakes on both sides of the trailer through third gladhand on front sill.
Landing Gear:	SAF-HOLLAND (USA) 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 RAL9005 color. Landing gear brackets are bolted on the main beam as the layout.
Container locks:	TOCA (China)
Suspension:	TCMC (Vietnam) 109" axle spread, underslung configuration (<i>it's coming soon, probably in August, 2023</i>) with STANDEN (Canada) high-arch single spring (360-00). Pre-painted BLACK RAL9005 color. (All bolts of suspension from China)
Axles:	YORK (India) 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"X7" 4515Q brake. Dust shields are provided. Pre-painted BLACK RAL9005 color.
	1.5-28 spline, HALDEX (USA) 6.0" automatic slack adjusters.
	None reserved PSI interface; Heat Sensing Labels.
	Axle Installation orientation: 90 degrees REAR, chambers DOWN (1 abs ready front, 1 non abs rear per unit).

← 04 20/40' COMBO TANDEM →

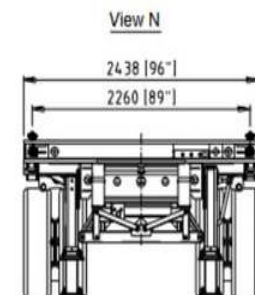
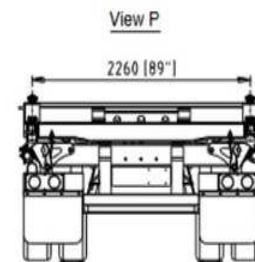
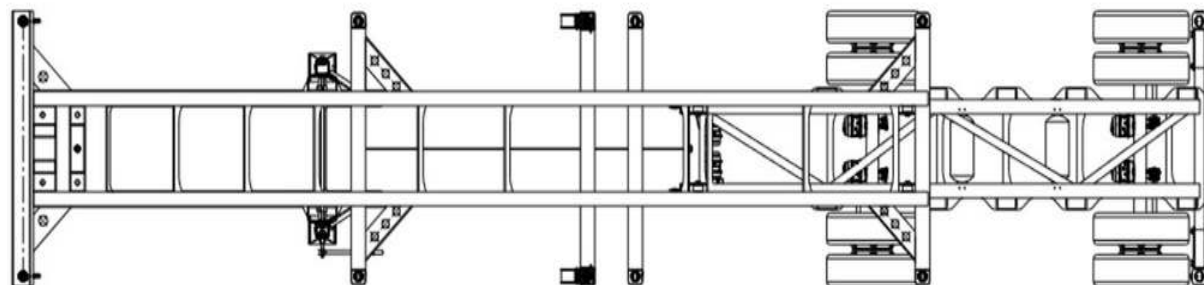
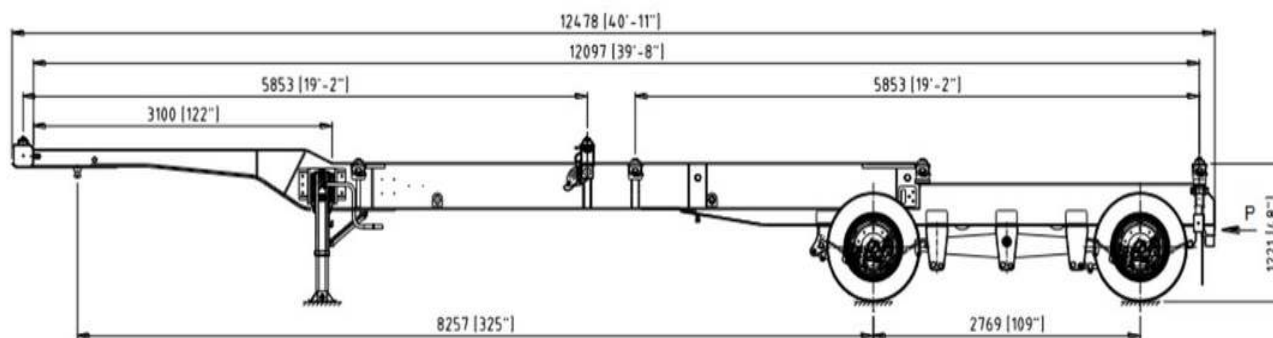
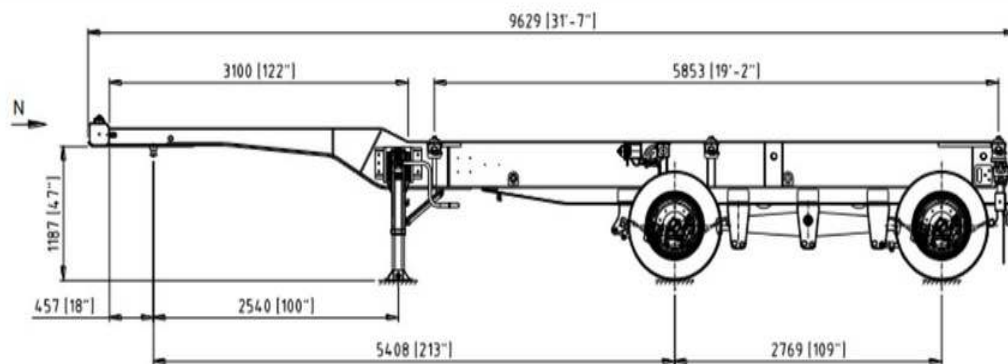
Steel Structure & Components

Wheel end:	YORK (India) Hub & Drum Assembly. STEMCO (USA) 358-4009 Integrated Sentinel Grease Hub Cap. SKF (USA) seals P/N Scotseal plus XL 46300 / Scotseal Classic 46305. ORBIT TN (India) bearings. Spindle nut: YORK (India) Double Nut. (5-year warranty wheelend).
Lubricant:	MOBILITH SHC 007 (India) Synthetic 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) 255/70R22.5-16PR tubeless type, S668 tread without owner's logo.
Brake System:	SEALCO (USA) 110800 spring brake priority valve system and WABCO (Thailand/China/USA) 2S/1M ABS system. PHILLIPS (China) glad hand 12-0061 and 12-0081. TECTRAN (China) 3/8" blue air tube for control and 3/8" red for supply. HALDEX (China) Goldseal T30/30, 3.0" stroke brake chamber. TCMC (Vietnam) air tanks (Pre-painted BLACK RAL9005 color).
Electrical:	PHILLIPS (China) mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). OPTRONICS (Taiwan) 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:	PHILLIPS (China)
Document Holder:	TCMC (Vietnam). Installed on roadside near crank handle.
Conspicuity tape:	" 3M " (China) 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: PPG (Vietnam) (7-year warranty).
Marking:	Customer configuration (includes Decal, layout, VIN, nameplate). Local supplier (Vietnam).
Hubodometer:	NONE
Tire Inflation System:	NONE
Mud flaps:	TPC (Vietnam) 18"x24"x1/4" white PVC mud flaps without logo.



04 20/40' COMBO TANDEM

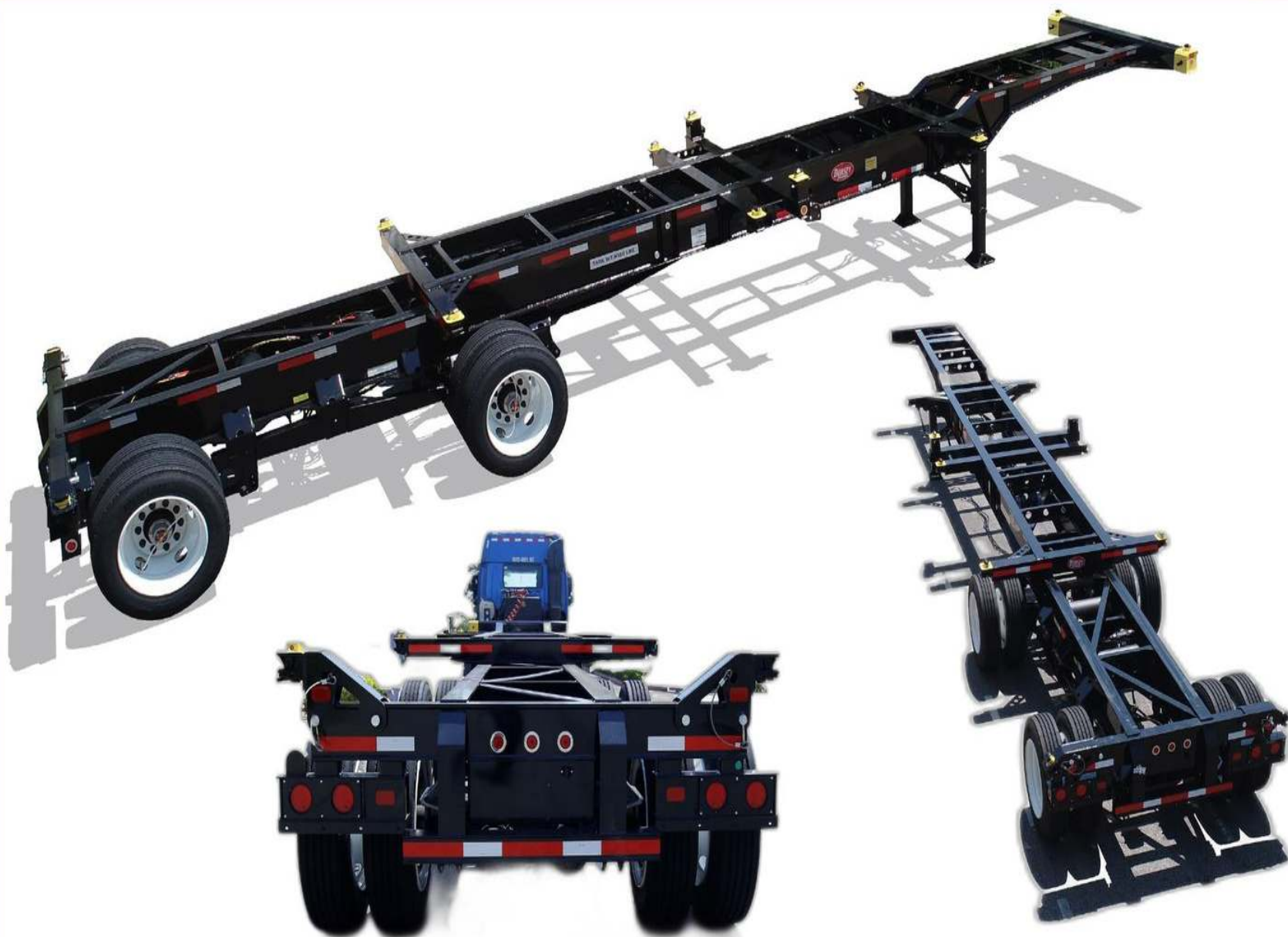
Layout





04 20/40' COMBO TANDEM

Photo



E&M TRADING AND LOGISTICS LLC / ZION GLOBAL LLC

← 05 20/40' COMBO TRIDEM →

Model: CTSV/3ASH4012IVUS

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

This chassis meets all **DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA** specifications

General Information

Overall Length:	31'-7" (retracted) or 40'-11" (extended)
Overall Width:	96"
Fifth Wheel Height:	47 ± 1"
Rear Deck Height:	48 ± 1"
Kingpin Location:	18" (From the rear of the front bolster)
Landing Gear Location:	100" (From the kingpin center)
Tridem Location:	26" (From rear face of rear bolster to rear axles center when extended)
Axle Spread:	61" + 61"
Tare Weight:	10,900 lbs ± 3%
Payload:	66,100lbs for 20' loaded or 74,100lbs for 40' loaded



05 20/40' COMBO TRIDEM



Steel Structure & Componentsmation P1

Main beam:	16"x5" fabricated I-beam with high strength flanges and 6-11/32" height for gooseneck rail. ASTM Grade 130.
Upper Coupler:	5/16" pick up plate with JOST (China) 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.
Front Bolster:	Fabricated bolster assembly with high strength plates with 89" centers, equipped with none retractable twist locks. Local supplier (Vietnam).
Intermediate Bolster:	Fabricated with retractable twistlocks with swing down twistlocks. Local supplier (Vietnam).
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. Local supplier (Vietnam).
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. Local supplier (Vietnam).
Locking system:	Air operated locking pins, activated by HALDEX (China) Goldseal 30/30 spring brakes on both sides of the trailer through third gladhand on front sill.
Landing Gear:	SAF-HOLLAND (USA) 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 RAL9005 color. Landing gear brackets are bolted on the main beam as the layout.
Container locks:	TOCA (China)
Suspension:	TCMC (Vietnam) 61" tri-axle, underslung configuration (<i>it's coming soon, probably in August, 2023</i>) with STANDEN (Canada) high-arch single spring (360-00). Pre-painted BLACK RAL9005 color. (All bolts of suspension from China)
Axles:	YORK (India) 5" round axles with 22500lb capacity; 71.5" track, Q+ 16.5"X7" 4515Q brake. Dust shields are provided. Pre-painted BLACK RAL9005 color.
	1.5-28 spline, HALDEX (USA) 6.0" automatic slack adjusters.
	None 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).

← 05 20/40' COMBO TRIDEM

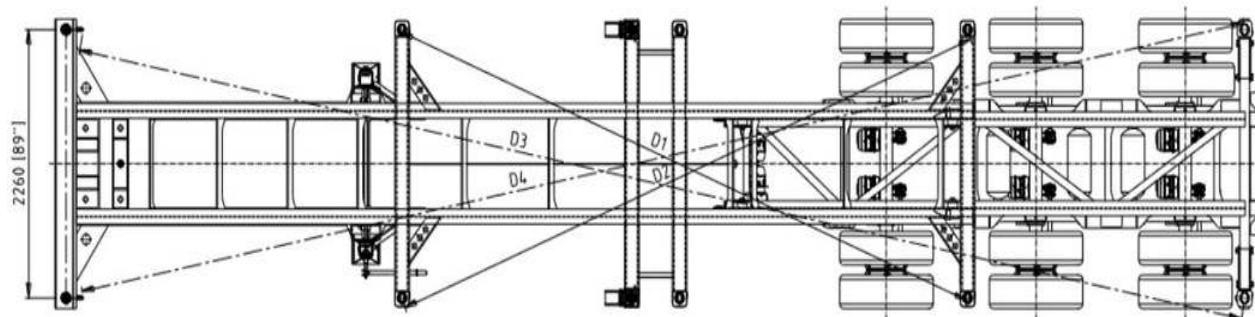
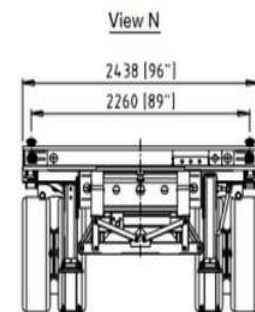
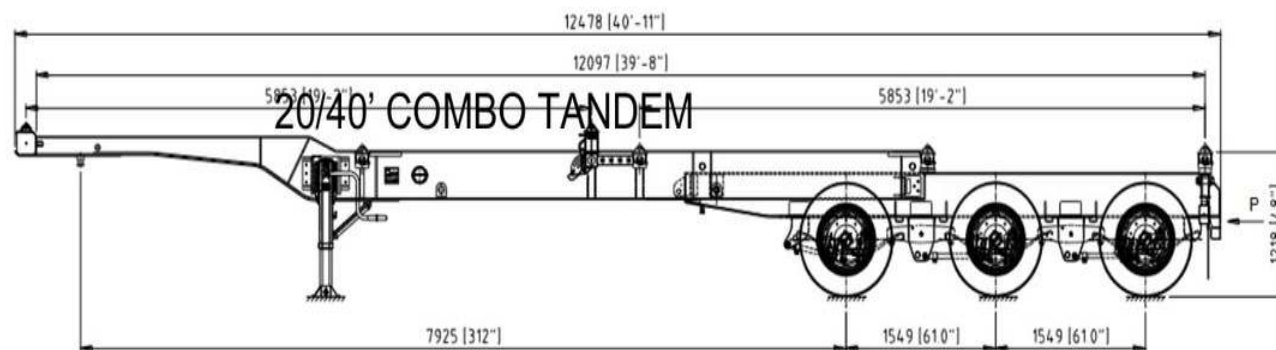
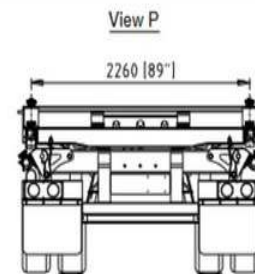
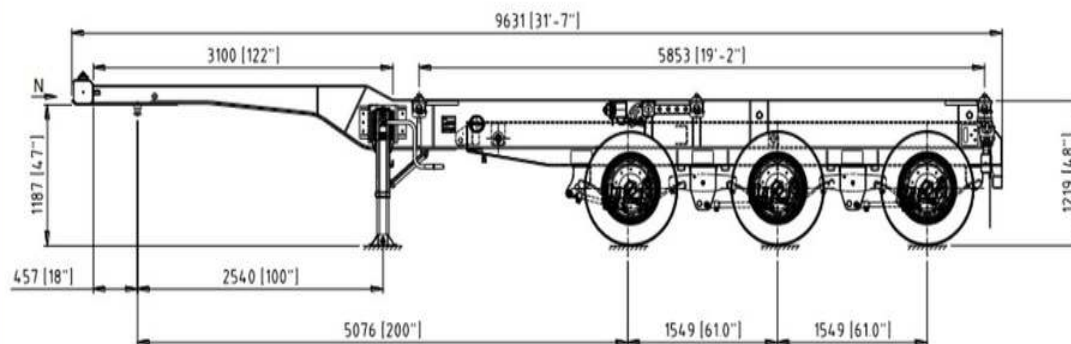
Steel Structure & Componentsmation P2

Wheel end:	YORK (India) Hub & Drum Assembly. STEMCO (USA) 358-4009 Integrated Sentinel Grease Hub Cap. SKF (USA) seals P/N Scotseal plus XL 46300 / Scotseal Classic 46305. ORBIT TN (India) bearings. Spindle nut: YORK (India) Double Nut. (5-year warranty wheelend).
Lubricant:	MOBILITH SHC 007 (India) Synthetic 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) 255/70R22.5-16PR tubeless type, S668 tread without owner's logo.
Brake System:	SEALCO (USA) 110800 spring brake priority valve system and WABCO (Thailand/USA/China) 4S/2M ABS system. PHILLIPS (China) glad hand 12-0061 and 12-0081. TECTRAN (China) 3/8" blue air tube for control and 3/8" red for supply. HALDEX (China) Goldseal T30/30, 3.0" stroke brake chamber. TCMC (Vietnam) air tanks (Pre-painted BLACK RAL9005 color).
Electrical:	PHILLIPS (China) mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). OPTRONICS (Taiwan) 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:	PHILLIPS (China)
Document Holder:	TCMC (Vietnam). Installed on roadside near crank handle.
Conspicuity tape:	" 3M " (China) 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: PPG (Vietnam) (7-year warranty).
Marking:	Customer configuration (includes Decal, layout, VIN, nameplate). Local supplier (Vietnam).
Hubodometer:	NONE
Tire Inflation System	NONE
Mud flaps	TPC (Vietnam) 18"x24"x1/4" white PVC mud flaps without logo.



05 20/40' COMBO TRIDEM

Layout





05 20/40' COMBO TRIDEM

Photo



← 06 33' SL Tri-Axle →

Model: CTSV/3ASJ2004US

This chassis is designed for transporting a **20' ISO container**

This chassis meets all **DOT, AAR, ANSI, TOFC, FMVSS, SAE and TTMA** specifications

General Information

Overall Length:	33' (retracted) or 41' (extended)
Overall Width:	96"
Fifth Wheel Height:	48 ± 1"
Rear Deck Height:	52 ± 1"
Kingpin Location:	15"
Landing Gear Location:	112" (From the kingpin center)
Tridem Location:	16" (From rear face of rear bolster to rear axle center when extended)
Axle Spread:	54.5" + 54.5"
Tare Weight:	10,700 lbs ± 2%
Payload:	67,200 lbs



06 33' SL Tri-Axle



Steel Structure & Componentsmation P1

Main beam:	Fabricated I-beam with high strength Grade 80 steel.
Cross member:	3/16" thick x 3" wide x 9" deep channel with profiled bar type diagonal brace. Local supplier (Vietnam).
Slider beam:	10" deep x 5" wide x 5/16" thick tube section. ASTM A-500 GR.B or equivalent.
Upper Coupler:	5/16" pick up plate with JOST (China) 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.
Bolsters:	8" wide x 3/8" thick top plate with 7" wide x 6-3/4" deep x 5/16" thick "U" type bottom channel. Local supplier (Vietnam).
Rear Bumper:	4" x 4" square tube step with taper "H" section vertical member. Bar is welded to uprights and main beam. Local supplier (Vietnam).
Twist Locks:	TOCA (China) 905-130-000-90-LH/RH
Landing Gear:	SAF-HOLLAND (USA) 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.
Suspension:	TCMC (Vietnam) 54.5" tri-axle, underslung configuration with FUWA (China) high arch single leaf spring (360-00). Pre-painted BLACK color.
Axles:	YORK (India) 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 (India) 6.0" automatic slack adjusters.
	None 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).



06 33' SL Tri-Axle



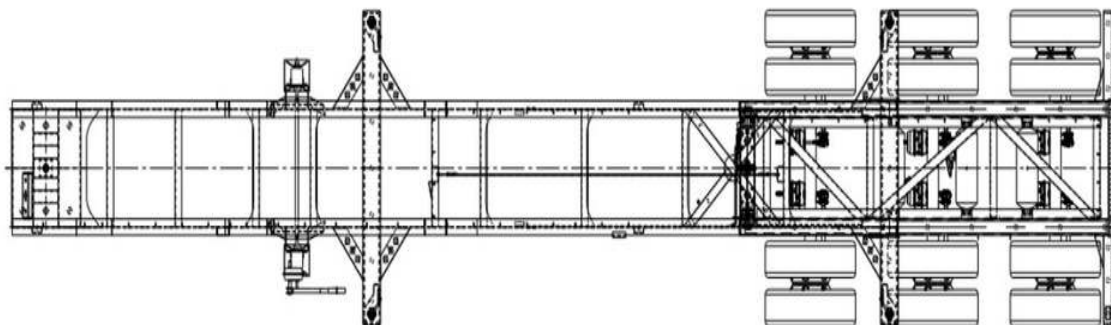
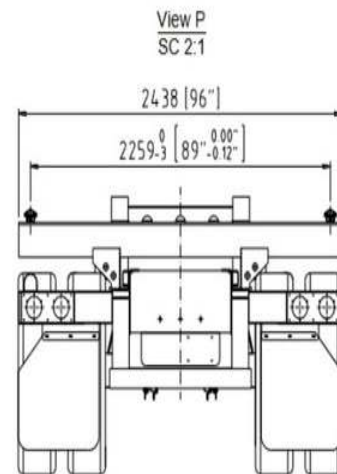
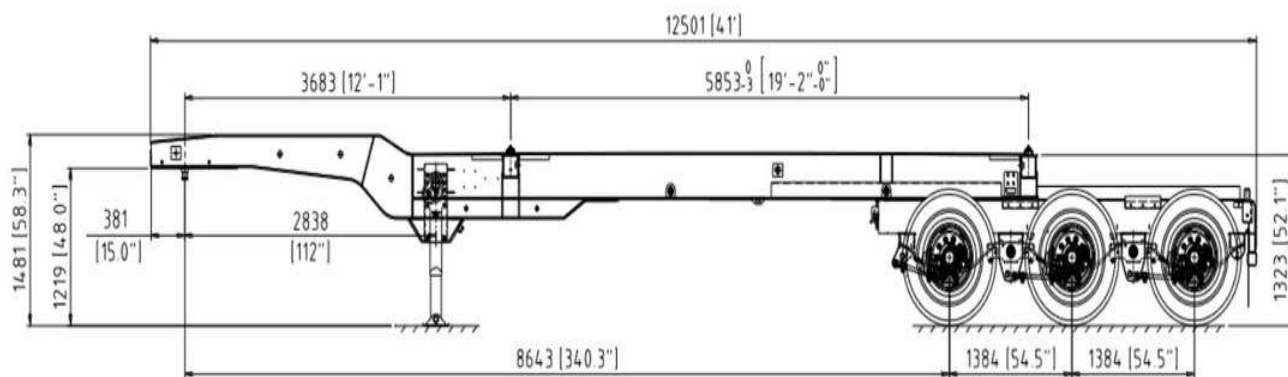
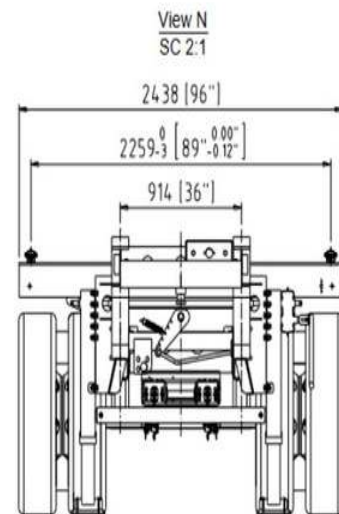
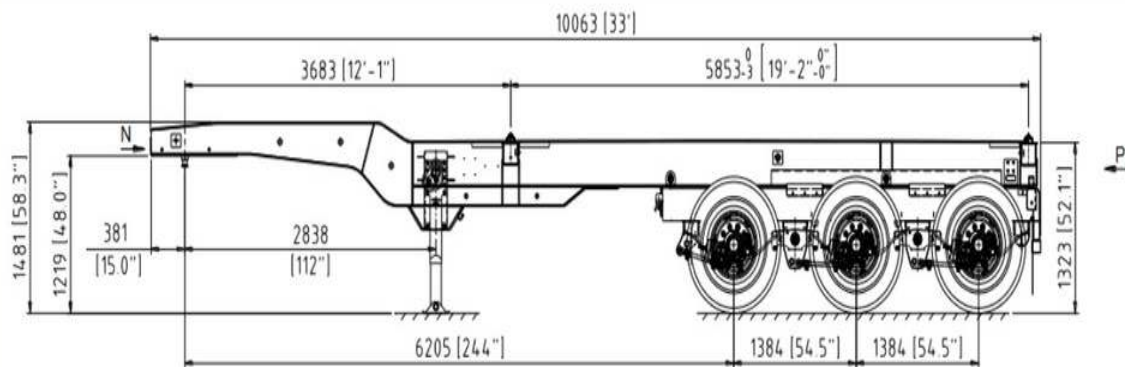
Steel Structure & Componentsmation P2

Wheel end:	YORK (India) Hub & Drum Assembly. STEMCO (USA) 358-4009 Integrated Sentinel Grease Hub Cap with umbrella valve. SKF (USA) seals P/N Scotseal plus XL 46300. ORBIT TN (India) bearings. Spindle nut: YORK (India) Double Nut. (5-year warranty wheelend).
Lubricant:	MOBILITH SHC 007 (India) Synthetic 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 (USA) 110800 spring brake priority valve system and WABCO (Thailand/USA/China) 4S/2M ABS system. PHILLIPS (China) glad hand 12-0061 and 12-0081. TECTRAN (China) 3/8" blue air tube for control and 3/8" red for supply. HALDEX (China) Goldseal T30/30, 2.5" stroke brake chamber. TCMC (Vietnam) air tank (Pre-painted BLACK color).
Electrical:	PHILLIPS (USA) mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty). OPTRONICS (USA) 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	PHILLIPS (USA) 15-7292 zinc alloy material with solid pins.
Document Holder:	TCMC (Vietnam). Installed on roadside near crank handle.
Conspicuity tape	" 3M " (China) 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 and at the corner painted YELLOW color. Total thickness not less than 80µm after dry membrane. Coating supplier: PPG (Vietnam) (7-year warranty).
Marking:	Customer configuration (includes Decal, layout, VIN, nameplate). Local supplier (Vietnam)
Hubodometer:	NONE
Tire Inflation System	NONE
Mud flaps	TPC (Vietnam) 24"x24"x1/4" white PVC mud flaps without logo.



06 33' SL Tri-Axle

Layout



Complementary Product Portfolio

In addition to our chassis and transport solutions, we offer a broader range of industrial products and equipment through our global manufacturing partnerships, including:

1. ***Mechanical Processing & Industrial Components***

We provide industrial components and systems designed for a wide range of production and material handling applications.

We highlight some of our solutions:

- Shopping & Utility Carts – practical for logistics
- Conveyor Systems – efficient material handling
- Gantry Crane Components – heavy-duty reliability
- Mining & Forestry Equipment Parts – specialized applications

2. ***Machinery & Equipment***

From industrial tools to operational equipment supporting multiple industries.

From industrial tools to equipment solutions:

- Hand & Power Tools – versatile applications
- Protective Gloves – safety and comfort
- Industrial Cabinets – reliable electrical systems
- Cardio & Strength Equipment – fitness innovation

3. **Automotive Parts & Components**

Manufactured to international standards, ensuring durability, safety, and performance across key vehicle systems. Our automotive portfolio covers a wide range of essential components, ensuring safety, durability, and performance.

- Passenger & Truck Glass – clarity and safety
- Chassis Frames & Bumpers – strong foundation
- Springs & Exhaust Systems – reliable performance
- Dashboard & Seat Covers – comfort and design

Multi-category sourcing through a single trusted partner, with tailored solutions based on project specifications and long-term cooperation opportunities.



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