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ITEM	DESCRIPTION
TYPE	SEMI-TRAILER, COMBO DROP PLATFORM
DIMENSIONS	
LENGTH	53'-0" overall length, (including beavertail ramp)
WIDTH	102", 97" between side rails.
HEIGHT	Floor, approximately 59" high at front and 41" at the bumper.
DROP HEIGHT	20", located at 10'-0" from front.
COUPLING	
COUPLER PLATE	3/8", plug welded structure.
KING PIN LOCATION	18" from front.
COUPLER HEIGHT	48".
STRUCTURE	44" c/c frame with "CAMBER".
FLANGES	1/2" x 5", 100 000 psi steel, 24" high in center and 16 1/2" above suspension.
WEB	1/4" plate in king pin area and the remaining in 3/16", 80 000 psi steel. 26" high at the peak with holes, parachute shaped, to lighten trailer.
GOOSENECK	11 1/4" high, 48" straight behind king pin.
CROSSMEMBERS	1 beams, 4" @ 3.2 lbs/ft, 80 000 psi steel, galvanised, 16" c/c in gooseneck and the remaining 12" c/c.
FLOOR	Structural aluminum extrusions, flat type, inverted "T", 1 1/4" high with 3 Apitong or equivalent planks.
FLOOR FASTENING	2 screws per extrusion at first and 2 last crossmembers and 1 screw staggered for other crossmembers.
SIDE RAILS	2 rivets per plank at each crossmember.
SIDE BOXES	3 3/4" x 5 13/16" high, extruded aluminum, Cargo Rail integrated.
RUB RAILS	3 5/8" x 1 5/8" inside, 4" high, extruded aluminum.
CORNERS	CMVSS-905 WLL, 5,500 lbs WLL approved.
FENDERS	Aluminum extrusions 3/8" x 2 3/4".
KNEE BRACES	Dual rub rail spacers 1" x 1 3/4" as anchor.
X BRACES	Bevelled.
ENDS	Reinforcement over tires at rear, steel tubing structure, galvanized (G164), floor full length.
FRONT RAIL	3/16" formed steel plates, galvanized (G164), bolted in web and a crossmembers located each side.
BUMPER	Between main beams, full length.
LICENSE PLATE	Bolted aluminum extrusion, 7" high, overlapped floor to allow floor plank to walk underneath.
BEAVERTAIL	Aluminum plate bolted between bumper uprights to close rear.
GALV. MECH. RAMPS W/SPRINGS	License plate fixed on a bolted galvanized steel plate.
	Located on the rear rail, road side.
	Beaver tail for loading vehicles.
	*** Galvanized, rear sill, side slop assembly, JCT finishing.
	*** Consult engineering for the transport of machinery rolling on the side members (Ex. Loader, small cranes).
	Galvanized mechanical ramps with springs, each side at rear, 18" wide.



ITEM	DESCRIPTION
ELECTRICAL	
FRONT CONNECTOR	7 way (SAE J560), Phillips brand.
FRONT ADD. CONNECTOR	7 way (ISO 3731), for auxiliary functions only.
ELECTRICAL SYSTEM	Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108.
MAIN SYSTEM	Grote Ultra Blue LED, sealed beams, (oval tail lights with male pins, identification and markers lights Micronova #47962, 47973, licence light #60291-3).
FLASHERS	Sealed beams LED, one lamp including side marker and flasher, each side at middle point, amber.
TAIL LIGHTS	Sealed beams (Grote DEL #54332) red. Qty: 1 additionnal each side.
REAR CONNECTOR	4 way. From outside, tail lights and flasher, flasher with parking, brake with parking.
STROBE LIGHTS	(2), installed (1) on each side, (Grote 77353 amber) (rubber grommet)
SWITCH	Sealed, to activate strobe lights, installed in the control box.
ADDITIONAL MARKER(S)	Sealed beams (Grote MicroNova LED #47963). Qty: 7 additionnal each side, evenly spaced.
LANDING GEAR	Holland, ATLAS 55 (LG442B), with mounting plate.
SAND SHOES	10" x 10".
CRANK	Road side.
BOGIE	
BASIC MECHANICAL	Basic mechanical for sales book.
BOGIE	Fixed, for tandem 122" spread.
MECHANICAL (GROUND AXLES)	
SUSPENSION	Hendrickson INTRAAX AAL-25K (6.5"), tandem. N.B.: Winged suspension bracket.
SPRINGS	Air.
AXLE(S)	LDA, 5 3/4" diameter, 23 000 lbs. capacity.
CAM SHAFTS	28 splines with enclosures, 10" long.
TRACK	77 1/2".
DUST SHIELDS	None (Intraax axles).
BRAKES	16 1/2" standard, long life H23-HXS Hendrickson lining.
BEARINGS	HM 518445
SLACK ADJUSTERS	TSE S-ASA, automatic, 28 splines.
SEALS	Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90.
BRAKE CHAMBERS	T.S.E. brake, "Omnibrake" (30-30), (push rod 9 3/4"). (4 years warranty by T.S.E. for parts only).
HUBS AND DRUMS	10 stud disc hubs, balanced drums outboard mount, 285.75mm B.C., single flange nuts. For dual aluminum wheels.
RIMS	Alcoa, aluminum, half "ULTRA ONE vHub" and half steel. 22.5 x 8.25, disc (10 holes), 285.75mm B.C., single flange nuts.
SPACERS	Wheel guard 10 holes. Located between the inside wheel and the drum and between two wheels.



ITEM	DESCRIPTION
TIRES	Doublecoin, 255/70 R 22.5 RT500 16 ply (36.6")
AIR SYSTEM GLAD HANDS AIR VALVES VALVE(S) VALVE(S)	Fixed. Meritor Wabco, IABS, 2 sensors 1 modulator. Automatic blow down valve, WITHOUT control box, Blow down valve on REAR axle, controlled from the cab, activated when the cruising speed is lower than 16 Km (10 mph), warning light installed road side facing the axle when the blow down valve is activated, without break release.
ACCESSORIES REGISTRATION HOLDER MUD FLAPS EXTRA MUD FLAPS SLIDING TRACK WINCHES	One plastic, Betts-PS-1 or equivalent. One set, rubber with Manac logo and vertical grooves to reduce spray. One set, rubber with Manac logo and vertical grooves to reduce spray, located at rear of front axle. Full length, "LL" extruded aluminum, road side. Qty: 15, ANCRA #49207-137-XZ, zinc plated slider (low profil 5 7/8").
FINISHING PAINT RETROREFLECTIVE TAPES WHEELS OR RIMS	One coat of epoxy primer and one acrylic urethane top coats, Color: black, code: PPG CCA947255-55. Axles (wheel end) included. (Tandem). Axle line type: Color: black, code: PPG CCA947255-55. Conspicuity striping in compliance with CMVSS 108. Gray and red each side, fully covers rear sill and horizontal underride protection bar. Natural aluminum and white steel (Powder top coat).
ADDITIONAL OPTIONS	same as U#234365 estimated weight is 12,197 LBS +/- 3%
CONFORMITY	This semi-trailer does not comply with GHG regulations. Should GHG regulations come into force prior to the production of the trailer(s), Manac will have the obligation to ensure the trailer(s) produced meet minimum GHG guidelines. Any modifications required to meet the GHG regulations will be added to the initial purchase price and charged back to the customer.
DISCLAIMER Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.	