



CUSTOM TRAILER (6R)

CUSTOMIZE TRAILER / MDG (6R) OPEN CONFIGURATION INCLUDING THE FOLLOWING:

1.0 – TRAILER SPECS FEATURES / SPECIFICATIONS

- Overall Length: 19'10"
- Width: 8'6"
- Height: 8'1"
- Interior Length: 17'1"
- Interior Width: 7'6"
- Height: 6'3"
- Rear Door: Double / 6'9" (w) x 5'9" (h)
- Hitch Weight: 250 lbs
- Height: 20'
- Ball Size: 2-5/16"
- Platform Height: 21"
- GVWR: 7000 lbs
- Curb Weight: 2500 lbs
- Payload: 4,500 lbs
- Axles: (Tandem)
- Brakes: Electric
- Tires: ST 205/75D/14 C

MANUFACTURER'S ORIGINAL SPECIFICATIONS AND PRODUCTION STANDARDS SUBJECT TO CHANGE



2.0 – JACKS

FEATURES / SPECIFICATIONS

(2) Hydraulic chassis stabilizing jacks with remote control and individual "jacks down" indicator warning lights located next to electrical panel. System is manufacture by HWH Systems.

3.0 – BODY

FEATURES / SPECIFICATIONS

The custom body is completely designed and manufactured in-house by the Malvicino Design Group. It is built entirely of the highest quality aluminum & steel alloy components, all welded for strength, with a seamless finish.

The body includes the following features:

- 1/8" Aluminum plate roof over 1/2" pressure treated finished plywood backing.
- 1/8" Kem-Lite outer wall skin with 3/8" pressure treated finish plywood backing screw and glued in place for a perfect finishing.
- Trailer base constructed with a customize structure of steel components. All base will be solder according to specifications and coated with an anti-corrosive material and a subsequent coat of black paint. It will be cover with a 1/8" continuous aluminum plate solders to the existing base structure. A finish 1/2" pt treated plywood sub-floor will be glued in place.
- Custom removable roof and access ladder, painted to match body.
- Full width heavy-duty step rear bumper mounted to chassis frame.
- All body trim pieces, hinges and handles are stainless steel or other non-corrosive material.
- The body is custom designed to mate perfectly with the chassis frame rails.

4.0 – PAINT

FEATURES / SPECIFICATIONS

The body is painted with a single white color enamel high-grade automotive paint coat . Custom paint and graphics are quoted separately upon receipt of customer-supplied artwork.

5.0 – COMPARTMENTS

FEATURES / SPECIFICATIONS

Malvicino Design Group built compartment bodies feature custom seamless all-steel compartments to house the generator set, battery bank, battery charger and to provide secure storage for things such as cables and broadcast equipment. There are a total of (3) compartments included in this custom trailer.

These compartments offer quick access for easy service and maintenance from the exterior of the vehicle. All compartments have weather strip gaskets around the full perimeter of the doors, and non-skid material is installed on the sills. All compartments are built with a small circular filtered air vent in the upper rear corner to allow moisture to escape.



The generator compartment is located curbside rear of the body and is accessed by a single door. It is fully lined utilizing 1" Polydamp acoustical foam with 1/4" rubber decoupling layer for sound suppressing insulation.

- Storage #1: Generator Set
- Storage #2: Gas Tank
- Storage #3: Hydraulic System / Battery Bank & Battery Charger

6.0 – DOORS

FEATURES / SPECIFICATIONS

All personnel and compartment doors are individually hand made on a table jig to assure perfect square and fit. Doors are installed with a 3/16" continuous non-corrosive steel hinge. All door hardware is fully adjustable to maintain a perfect alignment throughout the life of the vehicle.

Personnel doors include heavy-duty spring-loaded devices to keep the door open or closed as required. Compartment and utility doors all include heavy-duty stops or stainless steel cable stops for operator convenience.

Compartment doors include DC compartment lights. Compartment lights may be manually turned on/off with the switch.

All doors feature custom recessed ribbed gaskets around the perimeter, which mate with the neoprene gasket around the doorframe on the body. When the door is closed, this forms a tight seal against the elements.

Doors will be layout as follows:

- Personnel Door: One for entry into the main operations area on the curbside of the vehicle. Door to be mounted on a 2'6" (l) x 6'8" (h) wide rough opening.
- Technical Door: One for access to the maintenance area behind racks 1 – 4 at the rear of the body. Door to be mounted on a 1'4" (l) x 6'8" (h) wide rough opening
- Generator Set Door: Customize based on the generator set size.
- Gas Tank: Customize based on the gas tank size
- Compartment Door: One for access to the custom built storage compartments located above the generator set,

7.0 – INTERIORS

FEATURES / SPECIFICATIONS

The interior of the truck is fully insulated and finished as follows:

- Wall structure will be constructed of a lightweight aluminum structure. 1 3/4" x 4" aluminum PTR studs will provide corner and door framing supports. Omega 1 3/4" customize structure will complete the wall structure spaced @ 16" oc.
- Walls and ceiling are insulated with 1" fiberglass insulation (R-9) glued in place between body framing tubes, covered with 3/8" finish grade plywood.
- Floor is insulated with 2" fiberglass insulation glued in place between floor beams. The floor is then covered with 3/4" plywood flooring, drilled and secured on minimum 8" centers.
- Walls and ceiling are covered with custom automotive carpet.



- Floor is covered with carpet or wood flooring. (Carpet color matches trailer interior).

8.0 – FURNISHING

FEATURES / SPECIFICATIONS

- (2) Roll-around secretarial chairs with travel tie-downs.
- “Rack-Front” operators console mounted securely to equipment racks and floor. It extends across racks no.1 & no.4, Console to be a finished melamine surface, trimmed with a leather-matching bolster.
- Rack-Front” operators console mounted securely to equipment racks and floor. It extends across racks no.5 & no.6, Console to be a finished melamine surface, trimmed with a leather-matching bolster.

9.0 – EQUIPMENT RACKS

FEATURES / SPECIFICATIONS

Customs built by Middle Atlantic EIA standard 19” equipment racks are installed for maximum strength and best utilization of space. Racks are made from angled steel rails drilled and tapped per industry standards, with welded steel support structures at the top and bottom. Racks are finished with varnished wood trims.

All racks include openings for clean routing of cables, and full-length cable tie-off bars to facilitate secure and reliable equipment installation.

The rear of each rack has a minimum of 10 AC outlets for equipment power distribution. These AC outlets may be supplied with either regulated or utility power, depending on equipment requirements.

Rack assembly include:

- (4) Racks installed across the technical area from curbside to street side. These racks have 70" (40 RU) vertical space for equipment installation, and are 26" deep with rear mounting rails at 26". (Racks no.1 to rack no.4).
- (2) Racks installed across the technical area from curbside to street side. These racks have 70" (40 RU) vertical space for equipment installation, and are 26" deep with rear mounting rails at 26". (Racks no.5 to rack no.6).

10.0 – ELECTRICAL

FEATURES / SPECIFICATIONS

The power distribution and control panel is installed adjacent to the curbside/side interior of the vehicle adjacent to the entry door and will face the general area. The power panel contains the following components, lights and controls:

- Digital AC voltage, current and frequency meters.
- Digital DC voltmeter.
- Generator start/stop controls.
- Dual Power select transfer switch for choosing external 50 amp (Technical & Environmental) or Generator Power.
- (2) 240v 100 amp main AC breaker.



- (1) Bank of AC circuit breakers for all technical branch circuits.
 - (1) Bank of AC circuit breakers for all environmental branch circuits
 - The panel is arranged horizontally with meters and lights at the top, and breakers and switches arranged below.
 - The panel is anodized black with labels for all meters, breakers, switches and lights. The power panel is hinged along one edge for maintenance access.
- NOTE: Exact power panel configuration may vary based on final equipment layout.

11.0 – GENERATOR

FEATURES / SPECIFICATIONS

A 7.0 KW Gen Set will be require running both the technical and environmental legs of the truck. Suitable connections using cam-lock type will be provided between the power distribution and control panel and the interface connectors to be located on one of the storage compartments.

- The generator includes automatic protection package with low oil shutdown.
- The generator compartment is fully lined and insulated against noise and heat. All routine service and maintenance may be accessed from exterior of vehicle or from rear access doors.
- An additional gas tank will be install curbside to provide service to the generator set

NOTE: Exact connector configuration may vary based on final equipment layout

NOTE: GENERATOR IS OPTIONAL FOR THIS CONFIGURATION

12.0 – EXTERNAL POWER

FEATURES / SPECIFICATIONS

A 200 to 240VAC, 100 AMP Main external power systems consists of:

- CAM TYPE 100AMP chrome plated input connectors.

NOTE: Exact connector configuration may vary based on final equipment layout

13.0 – UTILITY ELECTRICAL

FEATURES / SPECIFICATIONS

- 40-amp battery charger/DC converter automatically charges batteries from shore power or generator power.
- (2) Waterproof duplex 20 amp AC outlets on exterior of the vehicle located near I/O panel.
- Outlets are GFI type. Each outlet is wired to an individual 20 amp AC circuit breaker on the power panel for maximum capacity.

14.0 – AIR CONDITIONING

FEATURES / SPECIFICATIONS

A total of (2) 13,500 BTU Carrier Air V roof mounted air conditioner ducted into operations area and into the equipment racks. (2) Wall mounted thermostat controls.



15.0 – I/O PANEL

FEATURES / SPECIFICATIONS

Custom aluminum connector panel installed adjacent the main entrance door on curbside of vehicle. The panel is made of .125" aluminum, machined for broadcast connectors per customer requirements. The panel provides 20"x20" useable space for installing connectors. The panel is anodized and has laser etched connector identification. Includes use of XLR, BNC and Telephone Connectors.

Client will provide panel layout and MBR will manufacture panel to client specs. PLEASE NOTE THAT INTERFACE CONNECTORS ARE NOT INCLUDED.

I/O INTERFACE PANEL: The door is hinged at the top, with the hinge wrapped with vinyl material to prevent rainwater from leaking into the compartment while in use. The door is supported by one gas filled strut for ease of operation and long service life.

16.0 – INTERIOR & EXTERIOR LIGHTING

FEATURES / SPECIFICATIONS

AC LIGHTING

- (5) Track light mounted AC "spot-lights". Fixtures will be installed above producer console. These lights may be manually aimed to direct the light where needed. All lights will be control under the same circuit by means of a continuously variable dimmer control mounted on the wall. Lights will service the producer console area.
- (2) Track light mounted AC "spot-lights". Fixtures will be installed in the client area. These lights may be manually aimed to direct the light where needed. All lights will be control under the same circuit by means of a continuously variable dimmer control mounted on the wall. Lights will service the client area.

DC LIGHTING

- (1) 12" twin tube fluorescent fixtures in the production area ceiling.
- (1) 12" twin tube fluorescent fixtures in the hallway area ceiling.
- (1) 12" twin tube fluorescent fixtures in the service area ceiling.
- (4) 12 VDC 50 watt Halogen quartz exterior scene lights are installed around the perimeter of the vehicle body. These lights feature an angled diffuser type bezel to direct the light downward at 28 degrees.
- (2) 12 VDC 50 watt Halogen Fog exterior scene lights are installed in the rear of the vehicle body. These lights feature an angled diffuser type bezel to direct the light downward at 20 degrees.
- (4) 12 VDC 6 watt interior scene lights w/ switch are installed inside each of the storage compartments. (Storage no.1 to no.4).
- The vehicle body is equipped with LED running lights, marker lights and brake lights in compliance with ICC and Federal Highway regulations.

17.0 – SAFETY & SECURITY

FEATURES / SPECIFICATIONS

- Automatic carbon monoxide detector / alarm installed in operations area.
- One 5lb.dry chemical fire extinguisher mounted in operations area.



18.0 – SPARES

FEATURES / SPECIFICATIONS

- Spare parts kit including spare light bulbs, fuses, circuit breakers, and misc. hardware all contained in a small toolbox.

19.0 – PRODUCTION EQUIPMENT

FEATURES / SPECIFICATIONS

- Telephone & Internet Wiring: will be included in the truck with four wall-mounted receptacles in areas to be determined. Specific wiring requirements will be addressed during CDR System Engineering.



**Documents will be delivered in Hard copy.
Vendor Equipment Service Manuals & Documentation in English.**

**MANUFACTURER'S ORIGINAL SPECIFICATIONS AND PRODUCTION
STANDARDS SUBJECTED TO CHANGE**

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