

**CHIEF ADMINISTRATIVE OFFICE**  
**Procurement and Contracts Division**

Date Received
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**NON-COMPETITIVE BID PURCHASE JUSTIFICATION**  
Required for all sole source acquisitions in excess of \$5,000.00.

This justification document consists of three (3) pages. All information must be provided and all questions must be answered.  
**Department Head approval is required.**

**Requesting Department Information**

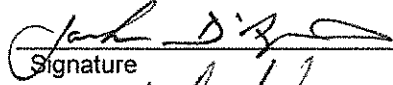
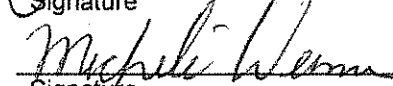
Department: SHERIFF	Index Code: 2420225 2420OES 2400300 C60FA	
Contact Name: LT. BYERS/TANIA DONNELLY	Subobject: 6040	User Code:
Telephone: X4707/6636	Fax:	

**Required Supplier / Vendor Information**

Vendor / Supplier Name: TRIVAN TRUCK BODY LLC	Vendor / Supplier Address: 1385 WEST SMITH ROAD FENDALE, WA 98248
Contact Name: RYAN VANDRIEL	Vendor / Supplier Email Address:
Estimated Purchase Price: \$ 391,864.56	Fax: (360) 312-1398
Telephone: (360) 380-0773	

Provide a brief description of the acquisition, including all goods and/or services the vendor/supplier will provide:

Custom built 5th wheel trailer and custom build of department provided tow vehicle.
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Department Head:		<u>4/10/19</u>
	Signature	Date
Purchasing Agent:		<u>4/15/19</u>
	Signature	Date

Board of Supervisors:	Buyer Assignment:
Date: _____	Assigned To: _____
Item: _____	Date: _____

**A. The good/service requested is restricted to one supplier for the reason stated below:**

1. Why is the acquisition restricted to this goods/services supplier? (Explain why the acquisition cannot be competitively bid. Explain if this is an emergency purchase or how the supplier is the only source for the acquisition.)

TriVan Truck Body will design, engineer, manufacture, install, and deliver a custom 5th wheel trailer and a custom built tow vehicle that fits the multi-mission operability needs of EDSO OES; one which is best suited to the terrain found in El Dorado County. TriVan Truck Body has been identified as a vendor that has extensive experience engineering, testing & building custom Emergency Operations Trailers and tow vehicles for law enforcement agencies across the U.S. The ever evolving environment of Emergency Management requires a versatile mobile Command Vehicle that can serve a variety of functions at the same time (Emergency Operations, Criminal Investigations, Communications, and Public Relations). TriVan Truck Body's custom design, engineering, and manufacturing capabilities meet these needs. In addition to the custom design offering, TriVan Truck Body's construction system is proprietary. They use an extruded aluminum interlocking "Snap Lock" wall panel system to construct the exterior walls of its trailers.

2. Provide the background of events leading to this acquisition.

The current Mobile Command Vehicle utilized by the Sheriff's Office is over 20 years old and can no longer meet the needs of the current Emergency Management environment. The current vehicle is not multi-functional, the annual maintenance costs are increasing, it is too small, and the vehicle doesn't have the capability to be upgraded with current technology.

3. Describe the uniqueness of the acquisition. (Why was the goods/services supplier chosen?)

The ever evolving environment of Emergency Management requires a versatile mobile Command Vehicle that can serve a variety of functions at the same time (Emergency Operations, Criminal Investigations, Communications, and Public Relations). TriVan Truck Body's custom design, engineering, and manufacturing capabilities meet these needs. El Dorado County is unique in its geography and the different locals that an Emergency Command Vehicle will have to respond to. Selecting an Emergency Command Vehicle of our choosing and design allows us to better respond to many missions in our county. TriVan Truck Body is not only able to customize the Emergency Command Trailer, but will also customize a County provided Ford F550 Truck with a custom built bed/box to tow the Emergency Command Trailer, store all of the necessary equipment to tow the Emergency Command Trailer, and this truck will be built to tow all EDSO equipment of similar weight (Snow cat, Tahoe Boat, Jeeps, etc.).

4. What are the consequences of not purchasing the goods/services or contracting with the proposed supplier?

No other vehicles fit our needs as TriVan's, so not purchasing will result in not having the equipment we need to conduct operations.

5. What market research was conducted to substantiate no competition, including evaluation of other items consider? (Provide a narrative of your efforts to identify other similar or appropriate goods/services, including a summary of how the department concluded that such alternatives are either inappropriate or unavailable. The name and addresses of suppliers contacted and the reasons for not considering them must be included OR an explanation of why the survey or effort to identify other goods/services was not performed.)

N/A per 3.12.160(B) - the unique nature of the property or services required precludes competitive bidding.

Market analysis shall be included in the written findings of fact for purchases made pursuant to 3.12.160(D), and (E), per 3.12.160 Exemptions from Competitive Process.

**B. Price Analysis:**

1. How was the price offered determined to be fair and reasonable? (Explain what basis was used for comparison and include cost analysis as applicable.)

N/A per 3.12.160(B) - the unique nature of the property or services required precludes competitive bidding.

Market analysis shall be included in the written findings of fact for purchases made pursuant to 3.12.160(D), and (E), per 3.12.160 Exemptions from Competitive Process.

2. Describe any cost savings or avoidance realized (1 time or on-going) by acquiring the goods/services from this supplier.

The Sheriff's Office is in the process of purchasing another piece of Emergency Response Equipment from TriVan Truck Body (a new EOD vehicle). Having another product from the same company would provide for a single point of maintenance.

**TriVan Truck Body**

1385 West Smith Road  
 Ferndale, WA 98248

Ph (360) 380-0773 invoices@trivan.com  
 Fax (360) 312-1398 www.trivan.com

Estimate

Date	Estimate #
4/9/2019	8128

Name / Address
El Dorado County Sheriff's Office Att'n: Lt. James Byers 300 Fair Lane Placerville, California 95667

Ship To
Same

P.O. No.	Terms	Due Date	Rep	Account #	FOB	Project
TBD	30% down with ...	4/9/2019	Ryan		Placerville	

Item	Description	Total
DESCRIPTION	<p><b>QUOTATION FOR MOBILE COMMAND TRAILER</b></p> <p><b>DESCRIPTION:</b></p> <p>Design &amp; manufacture (1) custom heavy-duty insulated command trailer. To be used by El Dorado County Sheriff's Office Special Operations in paved &amp; offroad conditions. Trailer superstructure is built of interlocking extruded aluminum "Snap Lock" panels, which form an exterior skin that is .100" thick and 1" internal posts 12" on center. Overlapping extruded aluminum aerodynamic roof edge extrusion and crowned walk on roof for full length of trailer. Trailer has triple 8000lb axles and will be equipped with dual opposing flush floor pushout rooms and a step roof design in the upper deck. The trailer will include (1) side entry door and (1) single rear door, each with foldout TriVan aluminum staircase. No bathroom on board. Layout includes a kitchenette at rear with two rear sitting positions, a conference room with 4 workstations and 1 long conference table, plus a meeting/interview room in the upper deck of trailer above the fifth wheel hitch. Roof design will include walk on capability and an access ladder. Trailer is fully heated &amp; cooled, and will have an onboard 12kW Onan generator, 110V plugs &amp; lighting, 12V lighting &amp; battery tank, sink, fridge &amp; coffee maker. Trailer is designed with off-road large wheels and tires suited for unpaved, gravel roads. El Dorado to provide F-550 cab-chassis, and TriVan to upfit deck with suitable tow body including hitch receiver and wiring. The tow vehicle will be a new Ford F-550 regular cab DRW chassis cab (84" c/a) ordered separately and not part of this bid/quotation. TriVan to do pre-wiring (phone/data/power/radio co-ax cabling) for phone/data/radio equipment, and notes that the supply &amp; install of a communications &amp; technology package (phones, radios, computers, monitors &amp; TV's, servers, racks, antennae, satellite dishes, etc. etc.) to be handled by EDCSO. Interior cabinetry will include dry-erase whiteboard finish interior cabinetry and counters. Plumbing to include basic interior sink &amp; tap, hot water tank. HVAC package to include (3) roof mount A/C units. Exterior of trailer body to include electric awnings, walk on roof with access ladder, exterior storage compartments, custom staircases and windows/blinds package. Pricing includes full AutoCad presentation / design drawings for EDCSO review &amp; approval prior to build. Also included is delivery of completed trailer to El Dorado County Sheriff in Placerville CA. Note that estimated build time, from date after drawings are approved, is 270-300 days.</p>	386,014.56T
OTHER	Option #1 - Safety - traction tape (3M) applied to roof of trailer - INCLUDED.	3,250.00T


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 Ferndale, WA 98248

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 Fax (360) 312-1398

invoices@trivan.com  
 www.trivan.com

**Estimate**

Date	Estimate #
4/9/2019	8128

Name / Address
El Dorado County Sheriff's Office Attn: Lt. James Byers 300 Fair Lane Placerville, California 95667

Ship To
Same

P.O. No.	Terms	Due Date	Rep	Account #	FOB	Project
TBD	30% down with ...	4/9/2019	Ryan		Placerville	

Item	Description	Total
OTHER	Option #2 - Travel allowance for one El Dorado County rep to make (2) site visits to Ferndale Washington - INCLUDED.	2,600.00T

USD 391,864.56
USD 0.00
USD 391,864.56

# **EDSO Mobile Command/Investigations Trailer Specifications:**

## **GENERAL DESCRIPTION**

This fifth wheel style command trailer will be used for Special Operations in conditions including unpaved gravel roads. Triple 8000lb axles. To have dual opposing flush floor pushout rooms and a step roof design in the upper deck. The trailer will include (1) side entry door and (1) single rear door, each with heavy duty, non-slip foldout aluminum staircase. No bathroom on board. No kitchenette on board, a meeting/briefing room will be located in the main deck's floor space. Both pushouts will contain work stations. Upper deck (above fifth wheel) will be a dual purpose meeting room/secure interview room with an A/V cabinet. Roof design will include walk-on capability and a ladder. Trailer to be heated & cooled, will have an onboard 12kW Onan generator, 110V plugs & lighting, 12V lighting & onboard battery bank, sink, fridge, and coffee maker. The trailer will have (3) 8000lb Torflex axles with off-road, large 17.5" rims and tires suited for unpaved, gravel roads.

Pre-wiring for phone/data/power/radio co-ax cabling is provided. Final installation of various communications equipment including Interview Room A/V equipment, phones, radios, computers, monitors & TV's, servers, racks, antennae, satellite dishes, etc. to be installed by customer. Interior cabinetry will include Woodworks dry-erase whiteboard finish interior cabinetry and counters. Plumbing to include basic interior sink & tap, hot water tank. HVAC package to be a self-contained Dometic system. Exterior body to include 12V electric awnings, walk-on roof with access ladder, exterior compartments, custom staircases & windows/blinds package.

## **DESIGN DRAWINGS**

AutoCad design drawings shall be submitted for El Dorado County Sheriff approval prior to manufacture. One separate set of wiring diagrams (outlining proposed runs of all WireMold, data, phone, co-ax, etc) shall be provided to aid with future installation of communications equipment.

Gross Vehicle Wet Weight may not exceed 24,400lbs. Weight calculation to be provided prior to build.

## **DIMENSIONS:**

Length: 34' (outside dimension) 23' main deck with 11' upper deck over fifth wheel

Width: 8' (outside dimension)

Inside Height: 7' finished useable interior height in the main deck area. 6' 6" useable interior height in the upper deck over fifth wheel.

Minimum 18" ground clearance of required to due off-road environment this trailer will be used in.

## **AXLES:**

Command post trailer package with a 28,000 lbs GVWR including:

- (3) 8,000 lb capacity Torflex axles
- (6) 17.5" steel trailer wheels
- (6) 215/75R-17.5 4800 lb rated trailer tires
- (1) full size spare wheel and tire supplied loose

**FIFTH WHEEL CONFIGURATION:**

Trailer configured as a fifth wheel, included 2" fixed kingpin. Height of kingpin to suit F-550 tow vehicle.

**TRAILER SUBFRAME:**

Trailer sub frame to be constructed of 3" HSS I-beam cross members with 2"x8" long sills. Includes full perimeter angular steel frame for heavy duty application and gusseting as necessary for dual flush-floor push outs.

**SKID WHEELS:**

(1) pair of 5" x 2" class C skid wheels installed on underside of rear bumper.

**BUMPER:**

Low profile channel steel rear bumper to protect trailer from rear collisions. No foldout step. No hitch receiver.

**WALLS:**

Exterior walls of the body shall be a minimum of .100" thick aluminum, with internal wall posts spaced a maximum of 12" apart.

The exterior wall paneling shall be integral with the wall posts and must not use rivets, fasteners or VHB tape to secure them together.

The exterior finish of the body shall be smooth (rivet/fastener-free). Because of the climate, terrain, and circumstances this vehicle will be operating in construction using riveted, pre-painted, or overlapping aluminum, steel or fiberglass wall panels will not be acceptable.

**SKIRTING:**

Full .100" thick aluminum trailer skirting approximately 20" H with taper at rear for a minimum 11 degree angle of departure.

**WINDOWS:**

All windows are Hehr brand, dual pane, light tint

- (2) 18"W x 24"H full height sliders in roadside pushout
- (2) 22"W x 24"H T-sliders in curbside pushout
- (2) 36"W x 36"H fixed windows on front wall
- (4) 36"W x 36"H T-sliders in upper deck (2 per side)
- (2) 18"W x 24"H fixed windows (1 in upper half of each entry door)

All windows in upper deck and both pushout rooms to be fitted with travel-safe, cordless mini-blinds.

**ROOF - WALK ON:**

12 gauge aluminum walk-on roof with extruded aluminum roof bows every 12" on center. Includes reinforcement points for future installation of communications equipment.

**STEP ROOF:**

Step roof design to allow 6' 6" standup height in upper deck, while maintaining approximately 84" inside height in main deck. Roof to step down approximately 10' from exterior front of body.

**DOORS:**

Heavy duty, double wall aluminum doors constructed of minimum .100" thick aluminum. Insulated and lined on the inside face to match the rest of interior. Hardware includes stainless steel hinges, extruded aluminum drip rails above doors, stainless steel spring style door hold opens, padlockable exterior camlock and Bauer BP-12 paddle latch with inside release. Includes automotive style rubber weather-stripping door seals. Neoprene foam or equivalent "stick-on" weather stripping will not be accepted.

- (1) 30"W x 80" H single man door installed at rear of body
- (1) 30"W x 80" H single man door installed on curbside of body

Because of the heavy use required in this application "RV style" doors constructed of fiberglass, wood, steel or light gauge aluminum are not acceptable.

**FLOORING:**

Heavy duty commercial grade seamless vinyl flooring installed over 3/4" pressure-treated plywood subfloor. Includes 4"H aluminum diamond plate kick panel where required.

**INSULATION:**

Complete trailer walls, ceiling & under floor insulated with 2" urethane spray-foam insulation (R13). This is a closed-cell, non-settling, vermin-proof, quiet insulation.

**INTERIOR LINING:**

Complete interior lined with smooth white Kemlite FRP over 3/8" plywood.

**PARTITION WALL:**

- 1) Partition wall between upper deck & main deck finished to match trailer interior. Includes a hinged pre-finished door which opens into the upper deck area. The upper 3' of the partition wall to have clear Lexan sliding bypass windows (with blinds).
- 2) Custom 30"W staircase to upper deck with fixed handrail. Enclosed vented area below staircase to house heater unit (including access panel).
- 3) Two recessed, framed enclosures for TVs: 1 at front, 1 at rear, each to suit a 40"W x 26"H x 26"D TV.



### **INTERIOR FINISHING / TRIM WORK:**

Completed interior professionally finished including bright aluminum trim work and caulking as necessary.

### **PUSH OUT ROOMS:**

(2) 12'L x 34"D all aluminum weatherproof pushout rooms installed opposite each other on curbside and roadside of trailer. Finished per the rest of interior (insulation, flooring, lining) including Power Gear electric heavy-duty slider hardware (3 arms per slideout), programmable computer controls and exterior topper awnings. To be FLUSH FLOOR CONFIGURATION. Pushout electrical cabling to be managed with flexible cable tracking.

Both pushouts to have easy to access hand-crank gears for emergency backup deployment or closure.

### **EXTERIOR COMPARTMENTS:**

Supply & install 1/8" aluminum exterior storage compartments, complete with aluminum extruded double-flanged doors, neoprene automotive style door seals, 2-point stainless steel recessed "D" handles and stainless steel hinges. All compartment floor to be "sweepout style" (except generator compartment). Compartments as follows:

-(1) 50"W x 34"H x 30"D generator compartment to suit Onan 12kW genset, including sound attenuation package. To be located at front of trailer, under upper deck.

-(2) curbside under-body storage compartments (with top-hinged doors) 1 to rear of pushout, 1 forward of side door, in skirt.

-(2) roadside under-body storage compartments (with top-hinged doors) 1 forward of skirt area, 1 at rear.

-(2) radio/phone/monitor compartments on exterior of pushouts (1 per pushout) approx 36"L x 16"H x 8"D (with single top-hinged door) Dimensions of the radio/phone compartments to be approved by customer and must be large enough to accommodate 22" monitor, phone, radio bank and Cat5E plugs for phone/data and (1) triple 12V plug.

### **ACCESS DOOR**

(1) hatch door installed in skirt area for access to drain valves of holding tanks.

### **AWNINGS**

Supply & install (2) 12V power awnings with aluminum protective covers (when in stored position) (1 on each pushout) These are in addition to the topper awnings that open & close with the pushout.

### **MINI AWNINGS**

Supply & install (2) manually operated mini-awnings (1 above each entry door).

## **ROOF ACCESS LADDER**

Aluminum roof access ladder installed at rear, including a hinged lockable aluminum cover door (with D-handle) to prevent unauthorized access to roof. Includes an aluminum diamond plate kicker panel installed to protect paint finish on rear wall of body.

## **PLUMBING**

Supply & install plumbing package including (1) sink with hot-cold water taps, exterior shower, grey & fresh water tanks with dump valves, electric hot water heater, 12V water pump, city water filler inlet, immersion tank heaters, and Blue Sea systems status monitor panel.

## **INTERIOR CABINERY**

Interior cabinetry package to include plywood core upper & lower cabinets. All cabinet & drawer doors to feature push-button, non-locking, travel-safe brushed chrome latches. Counters to be laminate construction (WilsonArt Brushed Pewter finish) and to include plastic inserts for cable/cord pass-through.

All overhead cabinets to be supplied with LED under cabinet lighting package.

All overhead cabinet door faces to have dry-erase whiteboard finish. Cabinetry as follows:

- (11) overhead cabinets in both pushouts (6 on roadside pushout, 5 on curbside pushout)
- (2) work stations in each pushout (4 total)
- (1) A/V cabinet (video & electrical cabinet) in upper deck floor-to-ceiling (double-door above, double-door below) at least 23"D x 19"W(id)
- (1) 4-drawer base cabinet & double-door base cabinet below counter.
- (3) overhead cabinets above counter. (2) recessed enclosures for 42" flat panel monitors.
- (1) floor-to-ceiling communications & electrical cabinet (double-door above, double-door below) at least 23"D x 19"W(id)
- (1) custom map cabinet with 5 adj. shelves and sloped, hinged counter top above (whiteboard finish)
- (1) floor to ceiling double-door closet with upper shelf, lower shelf and fixed clothes hanging rod.

## **FOLDOUT STAIRS**

Supply & install (2) hinged heavy-duty aluminum foldout stairs installed at side door and rear door. Stair treads are constructed with formed aluminum PerfoGrip channel.

## **DIESEL GENERATOR**

Supply & install (1) 12.0kW Onan Commercial Quiet Diesel Generator Model 12.0HDKCD-2209 (12kW 120/240VAC, 1800 RPM, 20A bat chrg, 2-pole 50A breaker) installed, fixed-mounted, in a vented compartment. Installation includes tapping into remote diesel tank including exhaust elbow, exhaust adapter and wiring harness as necessary. Installation also includes a remote start-stop switch panel inside the body interior with hour-meter.

### **DIESEL FUEL TANK**

Supply & install auxiliary remote 50 gallon diesel fuel tank (to supply Onan generator) Mounted under floor between frame rails, with integrated baffles. Plumbed to a fuel filler (to be on same side as the tow vehicle's fuel filler) Includes a locking fuel hatch.

### **AUTOMATIC LEVELING SYSTEM**

Supply & install (1) Bigfoot QE2FA One Touch Levelling System (by Quadra Manufacturing) Includes (4) cylinders @ 17,000 pounds per cylinder. For fifth wheel trailer application. Includes all necessary reinforcement on underside of body subframe.

### **12V ELECTRICAL - FMVSS**

Exterior lighting to FMVSS-108, including 1" round LED clearance lights, 2 pairs of 4" round LED Grote stop-tail-turn signals, No reverse lights and (1) LED license plate light.

### **110V / 12V ELECTRICAL SERVICE PANEL**

All circuits to be run through the Blue Sea Systems combination 110V/12V service panel Panel to include (1) master illuminated power cutoff switch.  
Note: all 12V and 110V wiring to be concealed in the walls.

### **12V ELECTRICAL**

Supply & install (1) Converter-Charger (InteliPower 80A model) installed in electrical cabinet (to recharge the batteries and provide 12V interior power when shore power or generator are working).

Supply & install (4) 6VDC 8AGC2 AGM absorbed glass matt batteries, fixed-mounted, with recharge through the trailer plug or through the genset/shore power. Battery bank to include (1) Blue Sea Systems master disconnect switch.

Supply & install (6) auxiliary, 12V "cigarette lighter" type single port power plugs installed in interior of trailer (wiring to be run in Wiremold surface-mounted conduit)

Supply & install (2) EXTERIOR 12V plugs with weatherproof covers, also run in WireMolod surface-mounted conduit.

Provide 12V power feeds to (2) roof-mounted junction boxes (1 for TV satellite dish, 1 for internet satellite dish) final installation of communications equipment completed by customer.

Supply & install 7-blade ROUND female trailer plug with adequate slack to reach tow vehicle.

Supply & install breakaway switch kit c/w gel battery & charger.

### **12V EXTERIOR SCENE LIGHTS**

Supply & install (8) Whelan M9 series super LED exterior scene lights: 3 on roadside, 3 on curbside, 2 on rear wall. Rear lights & roadside lights switched at rear door. Curbside lights switched at curbside door.

### **12V COMPARTMENT LIGHTING**

All exterior compartments to have a Maxxima M844280 compartment strip light (9-diode): 1 for each of the 4 belly boxes, plus 1 for generator compartment, plus 1 for each of the 2 radio/phone compartments. All switched via door activated switches.

### **12V EXTERIOR STROBE LIGHT**

Supply & install (1) Federal Signal LP1 12V green strobe light on roof of trailer with switch at curbside door.

### **12V EXTERIOR LED WARNING LIGHTS**

Supply & install (10) Whelan LINZ6J split red/blue Super LED lightheads: 2 on front exterior wall, 2 on rear wall, 3 per upper side wall. Wired so as to be operable from the cab of the two vehicle OR from the curbside door of the trailer.

### **12V LIGHTING - TRAILER HITCH**

Supply & install (1) Maxxima MWL-05SP rectangular work light on underside of upper deck (for trailer hitch illumination) Switched at curbside door.

### **12V INTERIOR LIGHTING**

Supply & install (16) Maxxima M84409 LED cargo ceiling lights: 12 in main floor, 4 in upper deck. Rooms switched separately.

### **12V ROOF VENT FANS**

Supply & install (4) Fantastic Power Roof Vents, Model 4000RBTA (NTP 22-0281). Each of these 4 vents to include a MaxxAir 22-0367 roof vent cover (translucent white).

### **12V BACKUP CAMERA**

7" color LED backup camera system including in-cab 7" LCD screen, infrared color camera including audio cabling & quick disconnect "trailer" connector kit.

### **110V ELECTRICAL**

Blue Sea Systems Combo AC/DC Panel installed, including volt-meters, ammeters, frequency meters and reverse polarity indicator and digital clock.  
(20) 15A duplex interior plugs, (4) 20A duplex GFCI plugs (3 exterior, 1 in kitchenette area), plus (2) extra plugs: 1 per each TV enclosure.  
All plugs to have stainless steel trim plates.

### **110V LIGHTS**

Supply & install (6) double-tube, moisture-proof 48"L fluorescent ceiling lights: 4 on main floor, 2 in upper deck. Each group switched separately.

(2) 2' double-tube fluorescent lights: for kitchen area & forward entry way (switched near kitchen counter).

#### **110V TRANSFER SWITCH**

50A Automatic transfer switch installed between shore power & Onan genset.

#### **SHORE POWER CORD**

Supply & install (1) 50A 50 foot marine grade shore power cord.

#### **50A SHORE PLUG**

Supply & install (1) 50A 125/250V Marinco exterior shore power inlet.

#### **AIR CONDITIONING**

Dometic ASCDQ air conditioning units installed, with ducting throughout trailer.

-(1) ASCDQ10 10K BTU cooling unit with 2kW heat strip (for heating and cooling the upper deck).

-(2) ASCDQ14 14K BTU cooling units with 2.5kW heat strips (for heating and cooling the main deck area).

Includes all necessary grilles, ducting, etc. for discharge & return air venting.

#### **WALL HEATERS**

Supply & install (4) 1500W wall-mounted heaters installed, including thermostats and wall brackets to suit. Each heater individual controlled with fan-speed adjustment. One on front wall of upper deck, below counter; One on front wall of lower deck, RHS upon entry at curbside door; One on forward side of kitchen end-wall; One on rear wall of trailer, offset towards curbside.

#### **COMMUNICATIONS PRE-WIRING**

Communications pre-wiring for network / phone installed to locations as identified in drawings. Surface-mounted conduit installed between all necessary locations to allow installation and upgrades to communications systems.

Pre-wiring & reinforcement in wall provided for (2) future flat panel display monitors. Includes 110V power outlet and HDMI cabling.

(12) Hat-shaped aluminum roof mounted brackets installed for customer installed NMO bases.

Final hookup of phones, computers, satellite dishes, radio software, antennae & whips, desk microphones, pneumatic mast, equipment racks, repeaters, internet satellite dish, TV satellite dish & receiver, radios and any other components not explicitly outlined are not included.

## **APPLIANCES**

All appliances installed in a travel-safe manner including:

- Supply & install (1) 1000W 120V stainless steel microwave oven installed under overhead cabinet.
- AC/DC under-counter fridge installed, NTP # 07-0198, Norcold Model DE-0041T (single door)
- Keurig B70 single-cup coffee maker installed.

## **CONSPICUITY TAPE**

Reflective conspicuity tape along both sides of trailer, full length, including across rear.

## **FIRE EXTINGUISHERS**

Supply & install (2) 5lb fire extinguishers installed with brackets.

## **WALL CLOCK**

Supply & install (1) LCD wall clock (Grainger model #2HPF5 or equivalent).

## **EXTERIOR SIGNAGE**

Supply & install magnetic sign strips on exterior face of curbside door to allow signage / notices to be posted.

## **SAFETY PACKAGE**

Supply & install (2) 9V battery powered smoke detectors and (2) 9V battery powered CO detectors.

## **TRAILER BODY - PAINT**

Trailer painted Ford Z1 white, PPG acrylic urethane, including roof.

## **TRAILER SUBFRAME - PAINT**

Trailer subframe primed and painted Tremclad black.

## **UNDERCOATING**

Underside of trailer body and frame to be fully undercoated.

## **WEIGHT SLIP**

Final weight slip provided for completed trailer including axle & tongue weights.

## **DELIVERY**

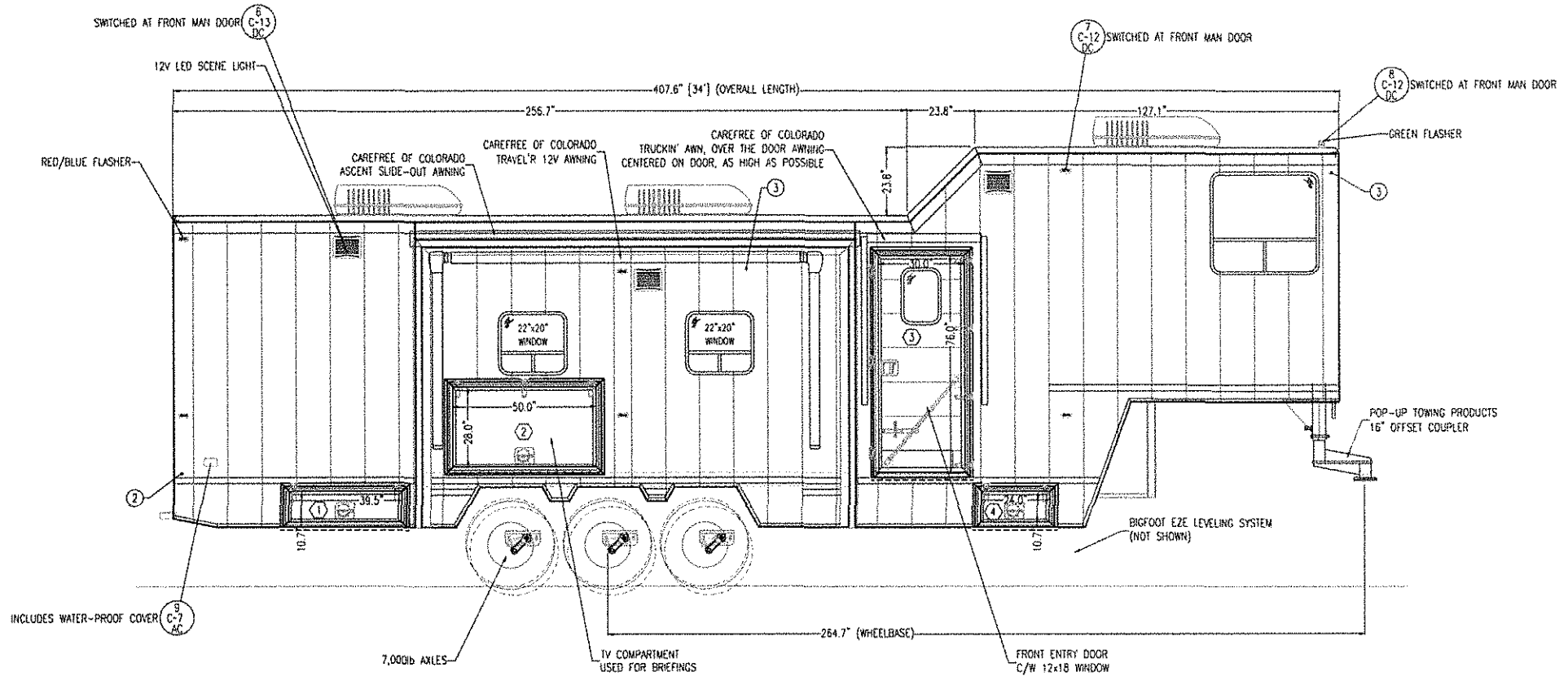
Includes delivery of completed trailer to El Dorado County, California.

## **TOW VEHICLE**

Custom built 4x4 Ford F550 Crew-Cab diesel dually provided by El Dorado County Sheriff's Office. Vehicle to be custom built for towing this trailer, while remaining capable of towing all other trailers currently owned by EDSO.

# HYBRID TRAILER

ITEM	TRIVAN#	DESCRIPTION	QTY.	LENGTH	SHAPE
2	EL33001R	BULLET LIGHT - RED	2		
3	EL33001A	BULLET LIGHT - AMBER	6		
4	EL5329Z	4" LED - S/T/T	4		
5		LED LICENSE PLATE LIGHT	1		
6		WHEEL BLD SCENE LIGHT	8		
7		WHEEL LINZEJ LIGHT	18		
8		GREEN STROBE LIGHT	1		
9		20A GFCI DPLX. RECEPT.	3		



**TriVan**  
 1385 W. Smith Rd  
 Ferndale, WA 98248  
 (360) 380-0773

THIS IS A COPYRIGHT DRAWING AND SHALL NOT BE USED,  
 REVISED OR REPRODUCED WITHOUT  
 WRITTEN PERMISSION OF TRIVAN TRUCK BODY LLC

NOTES:  
 ESTIMATED TRAILER WEIGHT: 23,000LBS

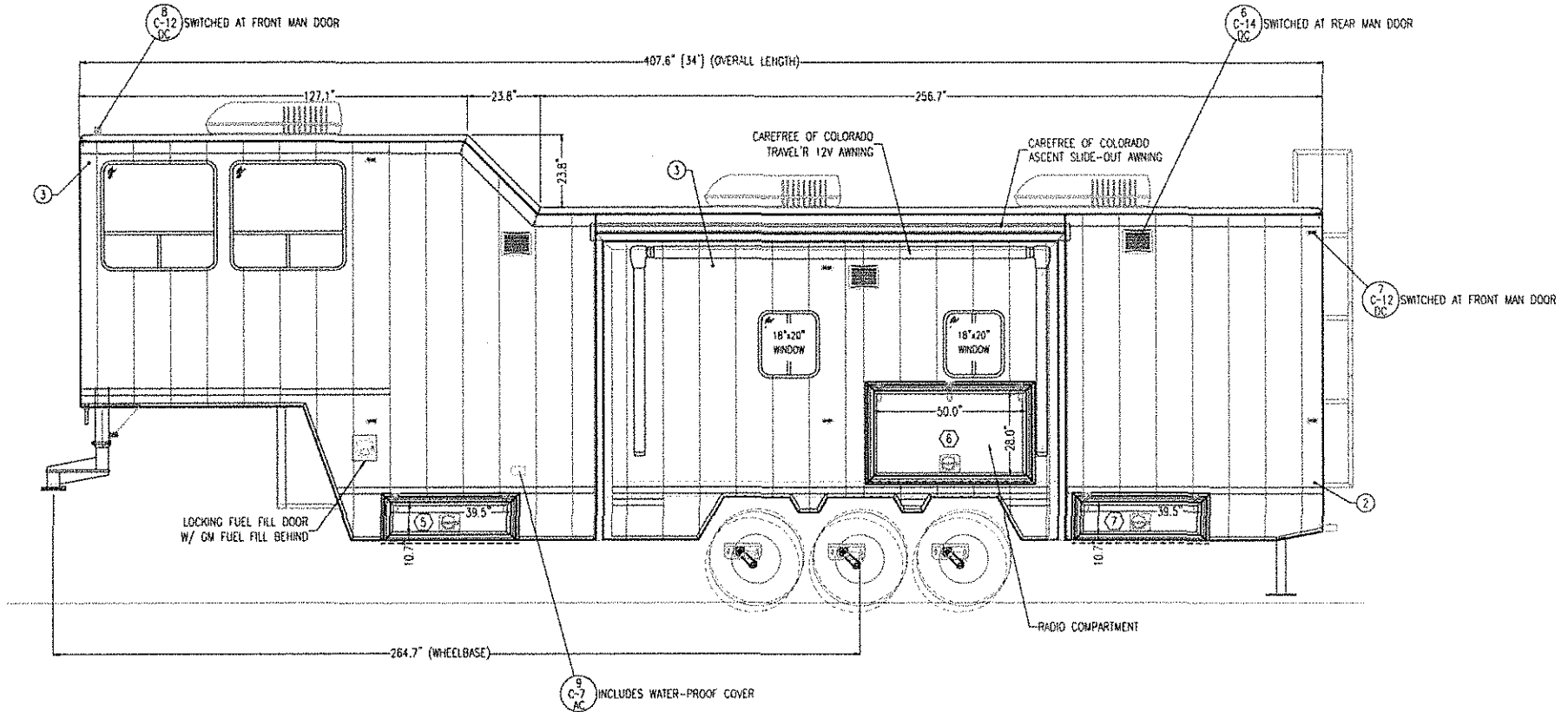
REVISIONS

TITLE  
**CURBSIDE ELEVATION**

CUSTOMER <b>EL DORADO CO. SHERIFF'S OFFICE</b>		UNIT # <b>HYBRID</b>
SIZE <b>34'L(od) x 8.5'W(od) x 7' (id) TRAILER</b>	SCALE <b>NTS</b>	PAGE <b>1</b>
UNITS <b>CENTIMETERS</b>	DATE <b>December 5, 2018</b>	BY <b>MATT</b>
		REV <b>-</b>

# HYBRID TRAILER

ITEM	TRIVAN/	DESCRIPTION	QTY.	LENGTH	SHAPE
2	EL33001R	BULLET LIGHT - RED	2		
3	EL33001A	BULLET LIGHT - AMBER	6		
4	EL53292	4" LED - S/T/T	4		
5		LED LICENSE PLATE LIGHT	1		
6		WHEEL BTO SCENE LIGHT	8		
7		WHEEL LINZ6J LIGHT	18		
8		GREEN STROBE LIGHT	1		
9		20A GFCI DPLX. RECEPT.	3		



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**NOTES:**  
 ESTIMATED TRAILER WEIGHT: 23,000LBS

**REVISIONS**

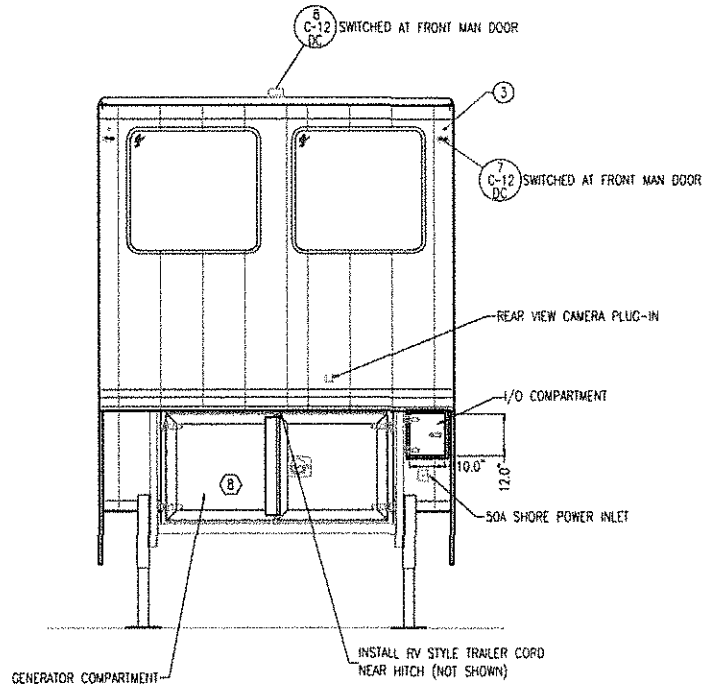
TITLE			
<b>ROADSIDE ELEVATION</b>			
CUSTOMER		UNIT #	
EL DORADO CO. SHERIFF'S OFFICE		HYBRID	
SIZE		SCALE	PAGE
34'L(od) x 8.5'W(od) x 7' (id) TRAILER		NTS	2
UNITS	DATE	BY	REV
CENTIMETERS	December 5, 2018	MATT	-



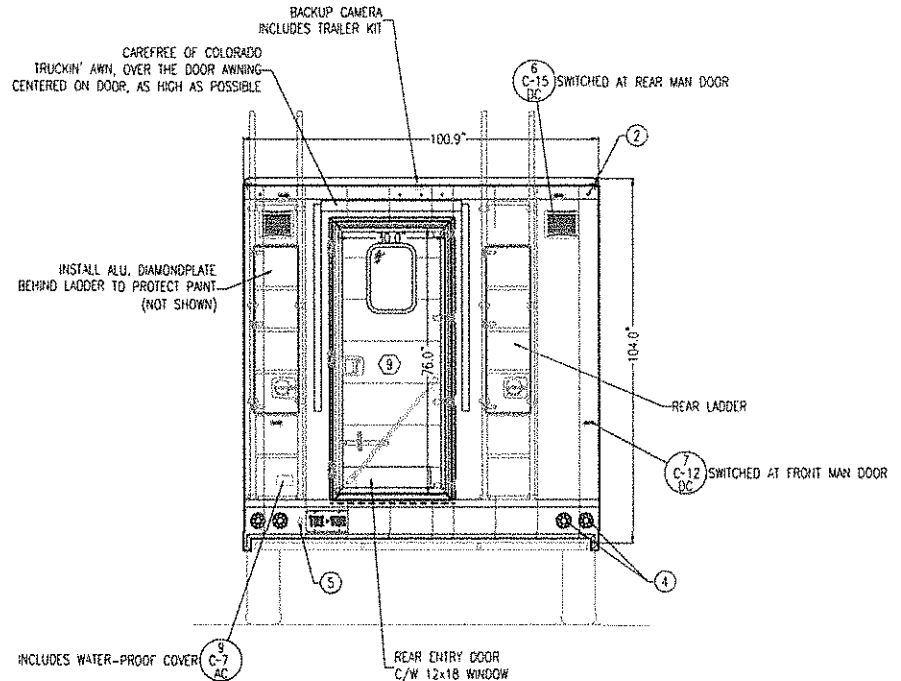
# HYBRID TRAILER

ITEM	TRIVAN #	DESCRIPTION	QTY.	LENGTH	SHAPE
2	EL33001R	BULLET LIGHT - RED	2		
3	EL33001A	BULLET LIGHT - AMBER	6		
4	EL33292	4" LED - S/I/T	4		
5		LED LICENSE PLATE LIGHT	1		
6		WHELEN 810 SCENE LIGHT	8		
7		WHELEN LINZ6J LIGHT	18		
8		GREEN STROBE LIGHT	1		
9		ZDA GFCI DPLX. RECEPT.	3		

FRONT ELEVATION



REAR ELEVATION



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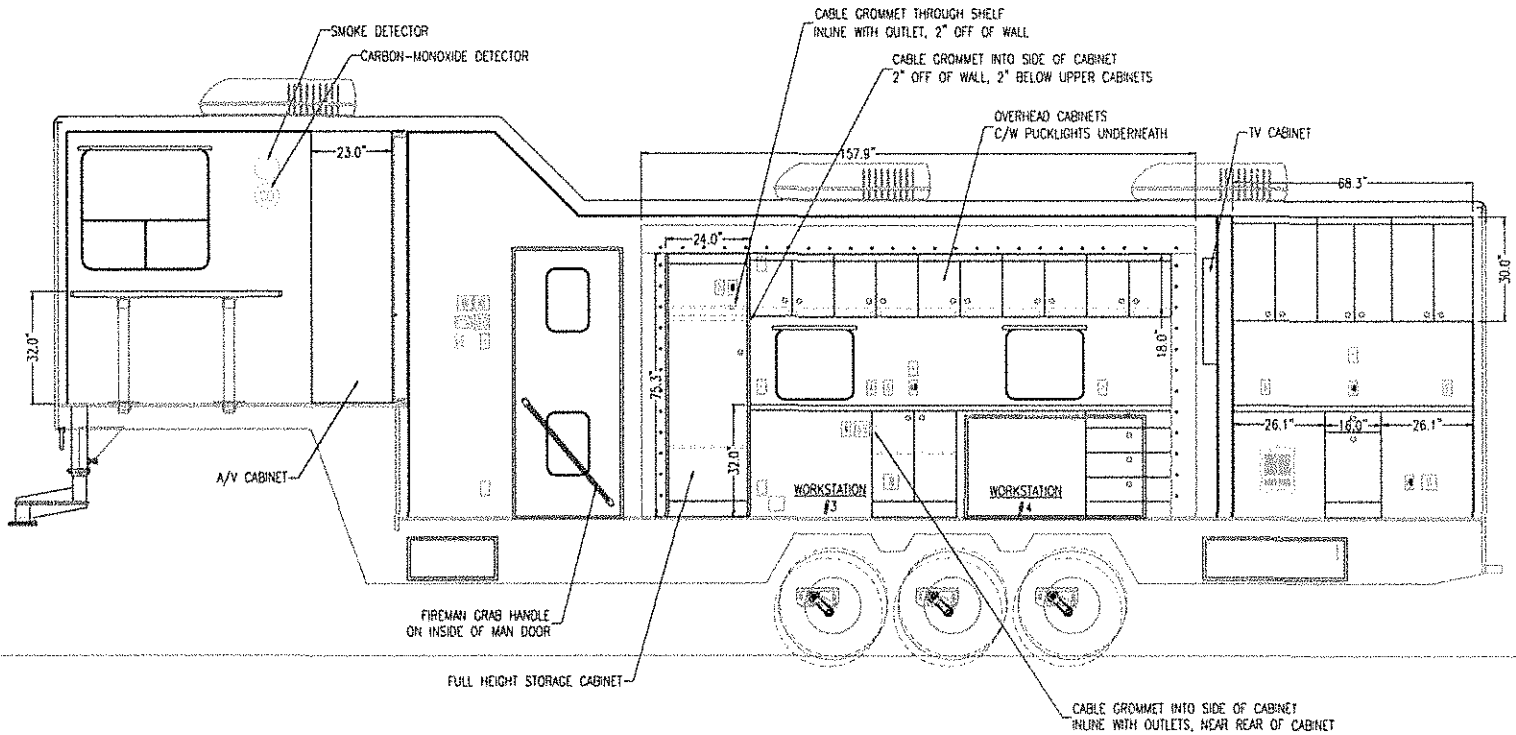
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NOTES:  
 ESTIMATED TRAILER WEIGHT: 23,000LBS

REVISIONS

TITLE			
<b>FRONT &amp; REAR ELEVATIONS</b>			
CUSTOMER		UNIT #	HYBRID
EL DORADO CO. SHERIFF'S OFFICE			
SIZE	SCALE	PAGE	REV
34'L(od) x 8.5'W(od) x 7' (id) TRAILER	NTS	3	
UNITS	DATE	BY	
CENTIMETERS	December 5, 2018	MATT	

# HYBRID TRAILER



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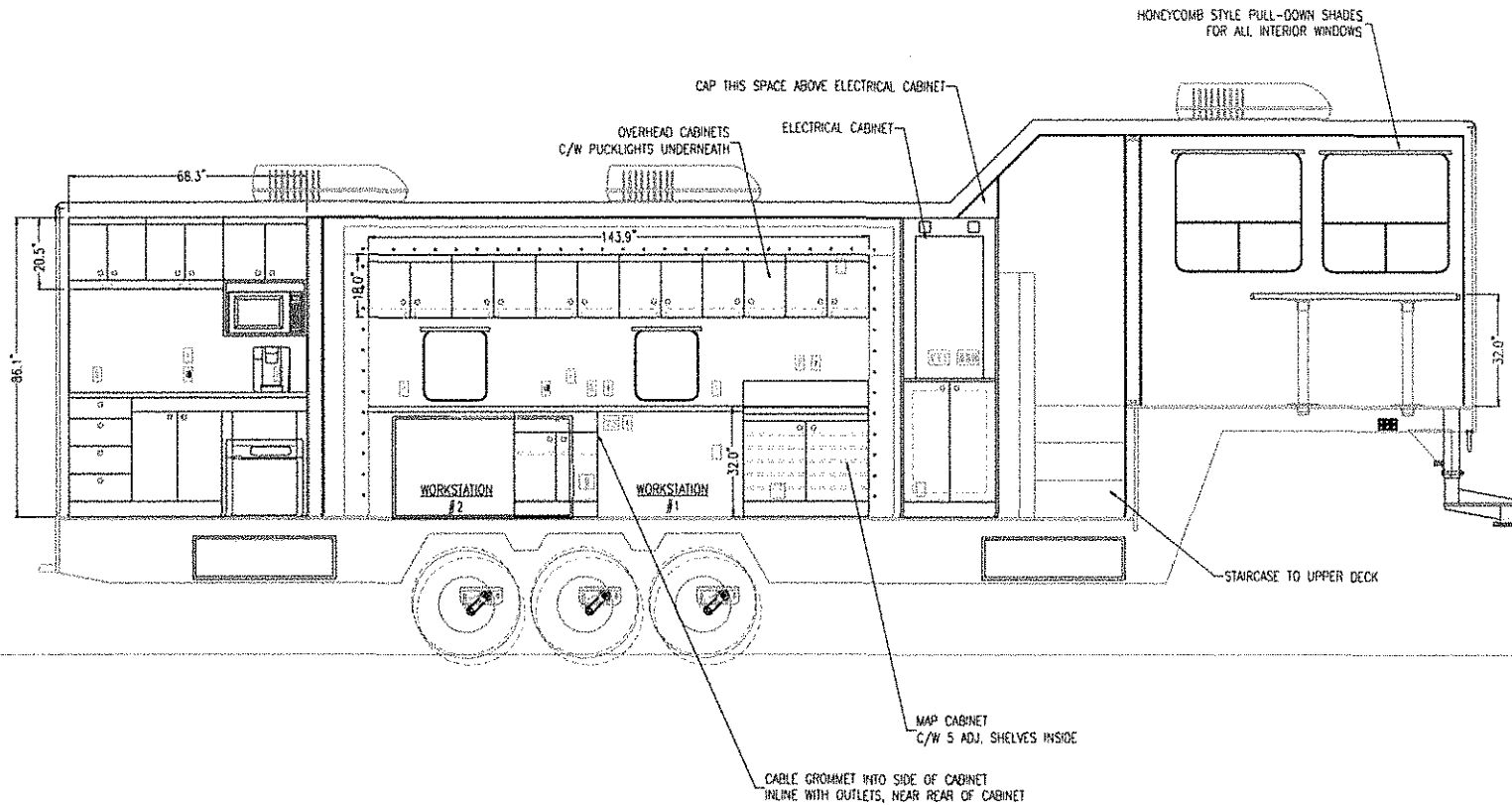
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**NOTES:**  
 1. ALL WINDOWS TO INCLUDE CORDLESS, HONEYCOMB STYLE MINI-BLINDS

**REVISIONS:**

<b>TITLE</b>			
<b>CURBSIDE INTERIOR ELEVATION</b>			
<b>CUSTOMER</b>		<b>UNIT #</b>	
EL DORADO CO. SHERIFF'S OFFICE		HYBRID	
<b>SIZE</b>		<b>SCALE</b>	
34'L(od) x 8.5'W(od) x 7' (id) TRAILER		NTS	
<b>UNITS</b>		<b>DATE</b>	
CENTIMETERS		December 5, 2018	
		<b>BY</b>	
		MATT	
		<b>PAGE</b>	
		4	
		<b>REV</b>	
		-	

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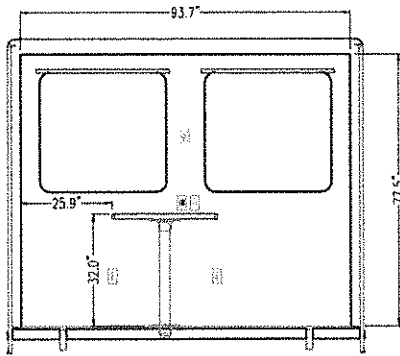
NOTES:  
 1. ALL WINDOWS TO INCLUDE CORDLESS, HONEYCOMB STYLE MINI-BLINDS

REVISIONS:

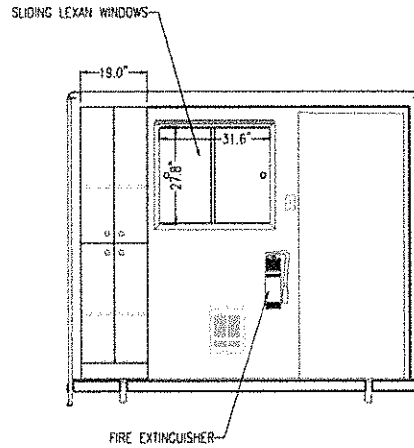
<b>TITLE</b>			
<b>ROADSIDE INTERIOR ELEVATION</b>			
CUSTOMER		UNIT #	<b>HYBRID</b>
EL DORADO CO. SHERIFF'S OFFICE			
SIZE	SCALE		PAGE
34'L(od) x 8.5'W(od) x 7' (id) TRAILER	NTS		5
UNITS	DATE	BY	REV
CENTIMETERS	December 5, 2018	MATT	-

# HYBRID TRAILER

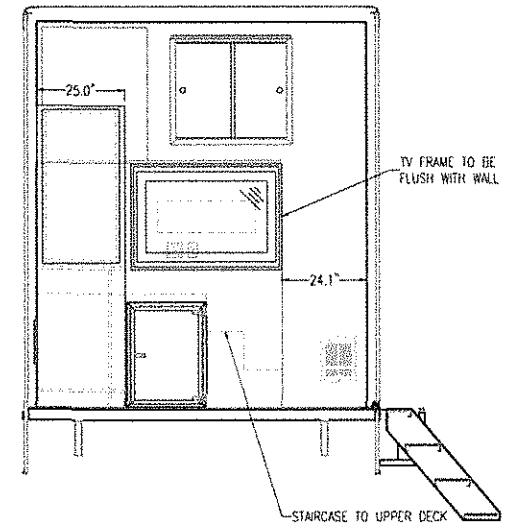
FRONT INTERIOR ELEVATION



FRONT BULKHEAD WALL ELEVATION  
LOOKING REARWARD



FRONT BULKHEAD WALL ELEVATION  
LOOKING FORWARD



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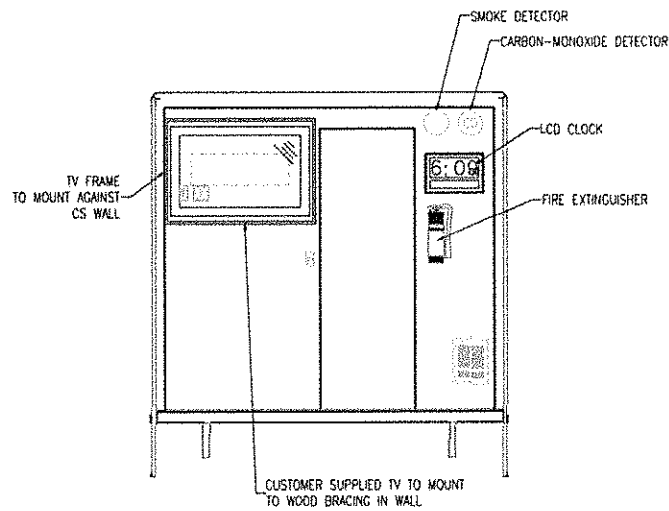
**NOTES:**  
 1. ALL WINDOWS TO INCLUDE CORDLESS, HONEYCOMB STYLE MINI-BLINDS

**REVISIONS:**

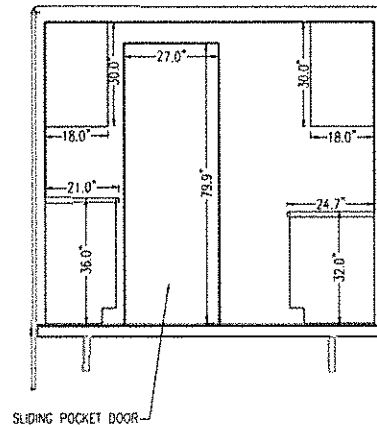
<b>TITLE</b>			
<b>FRONT INTERIOR ELEVATIONS</b>			
<b>CUSTOMER</b>		<b>UNIT #</b>	<b>HYBRID</b>
EL DORADO CO, SHERIFF'S OFFICE			
<b>SIZE</b>	<b>SCALE</b>	<b>PAGE</b>	<b>REV</b>
34'L(od) x 8.5'W(od) x 7' (id) TRAILER	NTS	6	
<b>UNITS</b>	<b>DATE</b>	<b>BY</b>	
CENTIMETERS	December 5, 2018	MATT	

# HYBRID TRAILER

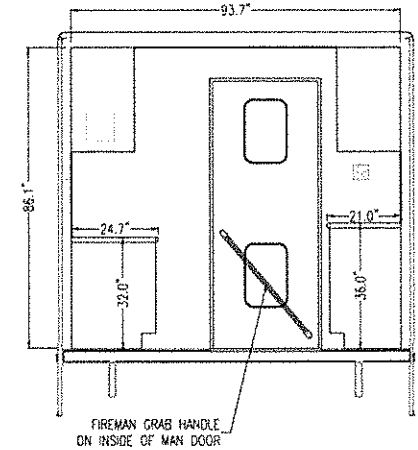
REAR PARTITION WALL  
LOOKING REARWARD



REAR PARTITION WALL  
LOOKING FORWARD



REAR INTERIOR ELEVATION



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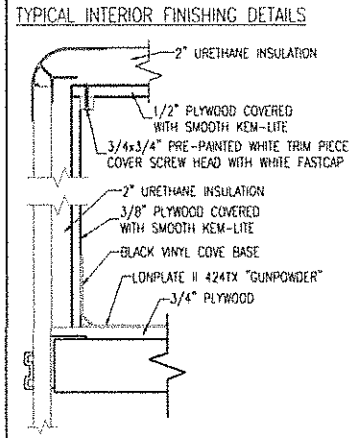
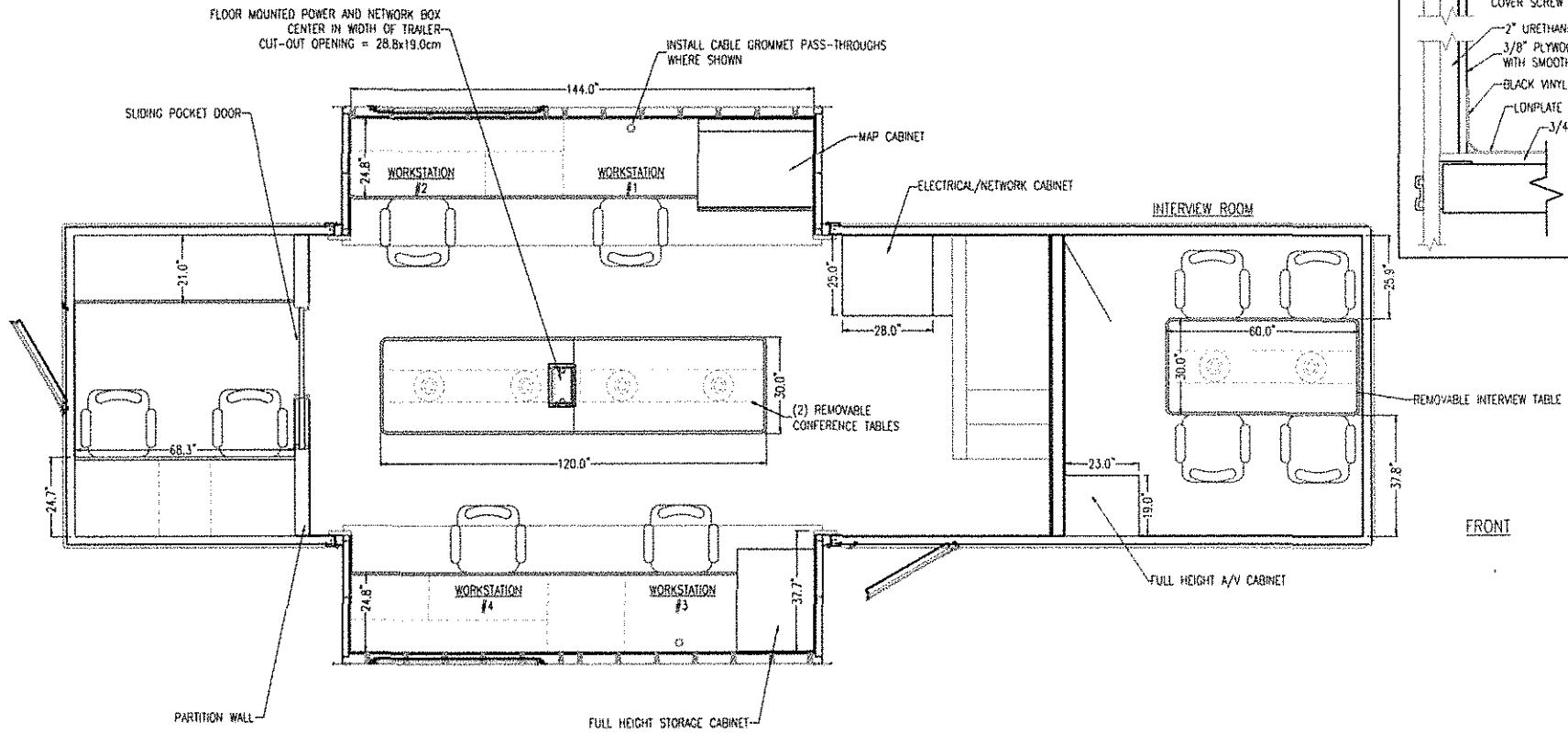

REVISIONS:

TITLE

REAR INTERIOR ELEVATIONS

CUSTOMER EL DORADO CO. SHERIFF'S OFFICE		UNIT #	HYBRID
SIZE 34'L(od) x 8.5'W(od) x 7' (id) TRAILER	SCALE NTS	PAGE 7	REV -
UNITS CENTIMETERS	DATE December 5, 2018	BY MATT	

# HYBRID TRAILER

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**NOTES:**

1. FIR OUT INTERIOR WALLS FOR 3" INSULATION (5.4cm THICK FIRING STRIPS)
2. SPRAY 2" URETHANE INSULATION
3. EXTRA WALL THICKNESS IS NEEDED FOR CONDUIT RUNS
4. LINE WALLS WITH 3/8" PLYWOOD COVERED WITH SMOOTH KEM-LITE
5. FLOOR TO BE 3/4" TREATED PLYWOOD COVERED WITH LONPLATE II 424TX "GUNPOWDER"

**REVISIONS:**

<b>TITLE</b>			
<b>FLOOR PLAN</b>			
<b>CUSTOMER</b>		<b>UNIT #</b>	
EL DORADO CO, SHERIFF'S OFFICE		HYBRID	
<b>SIZE</b>		<b>SCALE</b>	
34'L(od) x 8.5'W(od) x 7' (id) TRAILER		NTS	
<b>UNITS</b>		<b>DATE</b>	
CENTIMETERS		December 5, 2018	
		<b>BY</b>	
		MATT	
		<b>PAGE</b>	
		8	
		<b>REV</b>	
		-	