



CITY COUNCIL AGENDA ITEM

Date: September 4, 2015

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Manager
Tom Darling, Director of Financial Services
William S. Nelson, Fire Chief

Subject: Bid Waiver - Modifications for adaptive reuse of the Cable Television Production Vehicle as a Public Safety Mobile Command Vehicle

History

The Troy Police and Fire Departments identified the need for a Mobile Command Vehicle in the early 1990's. SMART (then SEMTA) donated a used 1978 transit bus to the city, and the Police and Fire Departments reconfigured it to serve as a Mobile Command Vehicle. This vehicle was utilized for almost twenty years and was retired due to mechanical issues in 2011 and was not replaced due to budget limitations. The Mobile Command Vehicle was utilized at: 1) incidents of longer duration requiring command staff to have access to workspace larger than our typical passenger vehicle; 2) incidents requiring command staff from multiple departments to manage; and 3) planned events where communications and command personnel from police and fire required workspace.

The Community Affairs Department purchased a cable TV production vehicle in 2002 so as to facilitate the filming of community focused cable TV programming. The use of this vehicle was discontinued in 2009 due to funding limitations. The vehicle was designed and constructed by Gerling and Associates, Inc. in Sunbury, Ohio. The vehicle has less than 2,000 miles and has been stored by the Fire Department with the intent to adaptively reuse it as a Public Safety Mobile Command Vehicle.

Gerling and Associates, Inc. manufactures specialty vehicles for television production, public safety and similar uses. These vehicles are extremely durable, have very specialized electrical distribution data cabling and associated systems, and are constructed of professional grade materials.

In order to adaptively reuse this vehicle there are a number of modifications required. Staff at Gerling and Associates, Inc. provided a proposal to perform the required specific modifications at their facility in Sunbury, Ohio.



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Purchasing

January 7, 2002 City Council approved the purchase of the cable TV production vehicle in the amount of \$103,393.00; (Resolution #2002-01-006-E-10). In order to adaptively reuse this vehicle there are a number of modifications required. Due to the technical nature of the vehicle construction, existing originally manufactured systems in the vehicle, the scope of the work to be performed, and the unique knowledge Gerling and Associates, Inc. has as they are the original manufacturer of the vehicle, it is recommended that the bid process be waived and a contract be issued to Gerling and Associates, Inc. to perform the required specific modifications to the existing vehicle in the amount of \$49,747.00 as detailed in the attached quote.

Financial

\$50,000.00 is budgeted in the Fire Department Capital Account for this project. The Capital Project # is 20160014.

Recommendation

It is recommended that the bid process be waived and a contract be issued to Gerling and Associates, Inc. of Sunbury, OH to perform the specified modifications for adaptive reuse of the existing Cable Television Production Vehicle as a Public Safety Mobile Command Vehicle for an estimated total cost of \$49,747.00.



Proposal for refurbishment of Troy Mobile Command center

The following line item list is to be considered the scope of work, (SOW), for this project. Changes, and unforeseen issues may affect the end pricing. G&A will advise of any additional charges, should they arise, prior to the work commencing. Please review the list below, and ensure all areas are covered.

1. Install 2 (two) windows approximately 20” by 40” with light tint on the driver’s side of the vehicle. -\$3,860.00
2. Install (eight) Whelen Model 900 LED vehicle warning lights on the box of the vehicle (Two per side, rear, and front) and route cables and connect to existing Unitrol Touchmaster light and siren control in cab center console -\$2,982.00
3. Install supplied Opticom Infrared traffic light preemption device under box overhang between the overhang and the cab roof on the driver’s side edge, route cables, and connect to the Unitrol Touchmaster light and siren control in cab center console. -\$460.00
4. Replace 4 (four) DC strike lights with LED lights and reroute cable to the supplied Unitrol Touchmaster light and siren control in cab center console – \$3160.00
5. Install window in existing door on passenger side -\$690.00
6. Re-route generator controls to the cab center console-\$595.00
7. Install 4 point automatic leveling system with controls in cab center console. - \$8,450.00
8. Remove existing counter and overhead rack. -\$340.00
9. Install laminate counter on driver’s side with AV rack. - \$1,375.00

10. Install AC power strip and cigar lighter style power outlets on wall above counter.- \$575.00
11. Install required conduits for switches, lights, outlets, data, and video on driver's side.-\$1,190.00
12. Install access to the AV rack from outside the vehicle with IO panel below.-\$3,250.00
13. Install 1 (one) 50 amp 4 wire California style power inlet and power transfer switch(es) in IO panel area.-\$1,765.00
14. Install raised wire chase under counter from AV rack to end of counter.-\$230.00
15. Complete ceiling to rear of vehicle and install any needed general task lighting.-\$2,100.00
16. Install required conduits for switches, lights, outlets, data, and video on passenger side.-\$1,190.00
17. Remove old IO panel and patch/paint to match-\$2,150.00
18. Install "restaurant" style booth at rear of vehicle. Booth will have storage for stairs and handrail with access from rear.- \$3,800.00
19. Install power, data, and video jacks in booth area.-\$975.00
20. Install task lighting above booth with dimmer near booth on driver's side wall.-\$1,090.00
21. Install overhead cabinets on driver's side with 4RU rack space below for radio control heads.-\$4,125.00
22. Forward most cabinet to have rack for mobile radio units and 4RU rack space below will have 12 un-switched resettable breakers and 12 switched resettable breakers with master switch for radios.-\$750.00
23. Install task lighting under cabinets. One set to the front, one to the rear with dimmer under the windows.-\$970.00

24. Install raised wire casing from front cabinet to AV rack.-
\$230.00
25. Install ladder on rear of vehicle for roof access-\$1,495.00
26. Install antenna fixture on roof with pass thru to forward most cabinet similar to Troy Fire Communications Unit. See attached photos.-\$1,400.00
27. Install power strip above counter-\$275.00
28. Install vertical power strip very front side of passenger side wall.-\$275.00

TOTAL \$49,747.00

General Notes:

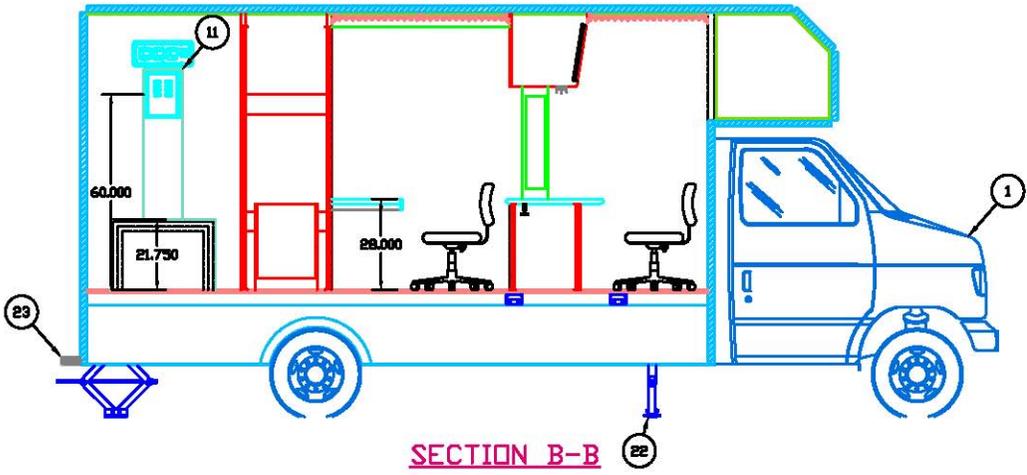
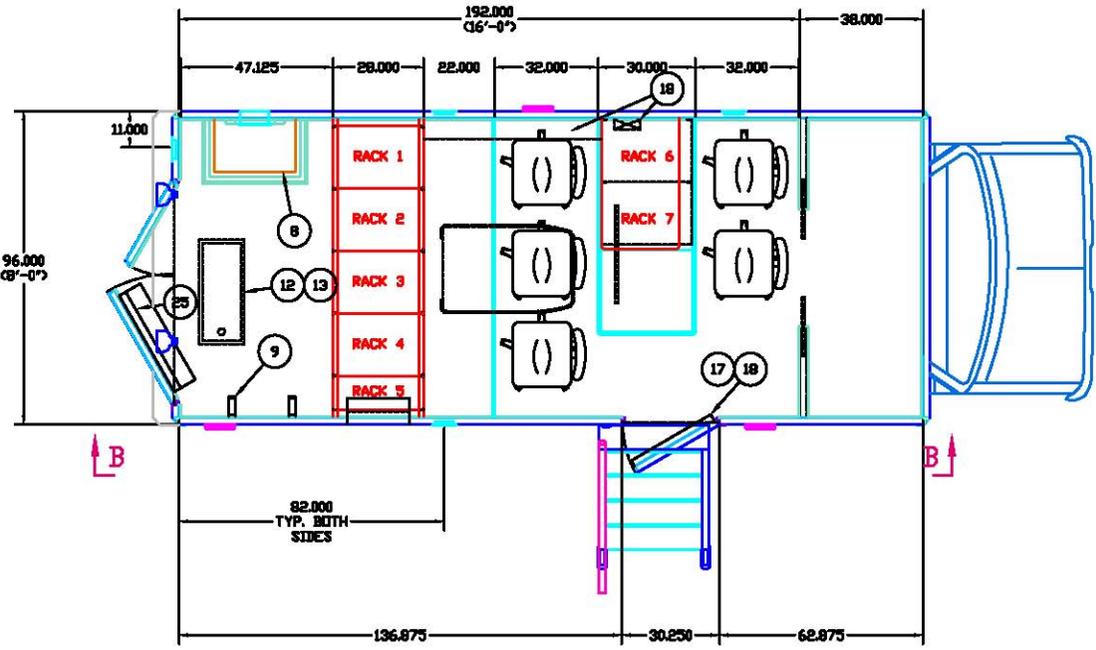
- Attached Drawings are for reference
- All data cabling is Cat6
- All data cabling is terminated in AV rack
- All data locations have 2 jacks
- TV connections on Passenger side to have 2 Cat6 and 1 RG6 coax cable to AV rack
- Monitor connections on driver's side to be VGA connectors with audio cabled to AV rack

G&A will require 100% payment due upon acceptance.

This quote is good for 30 days from the date of 9-4-15

Prepared, and submitted by:

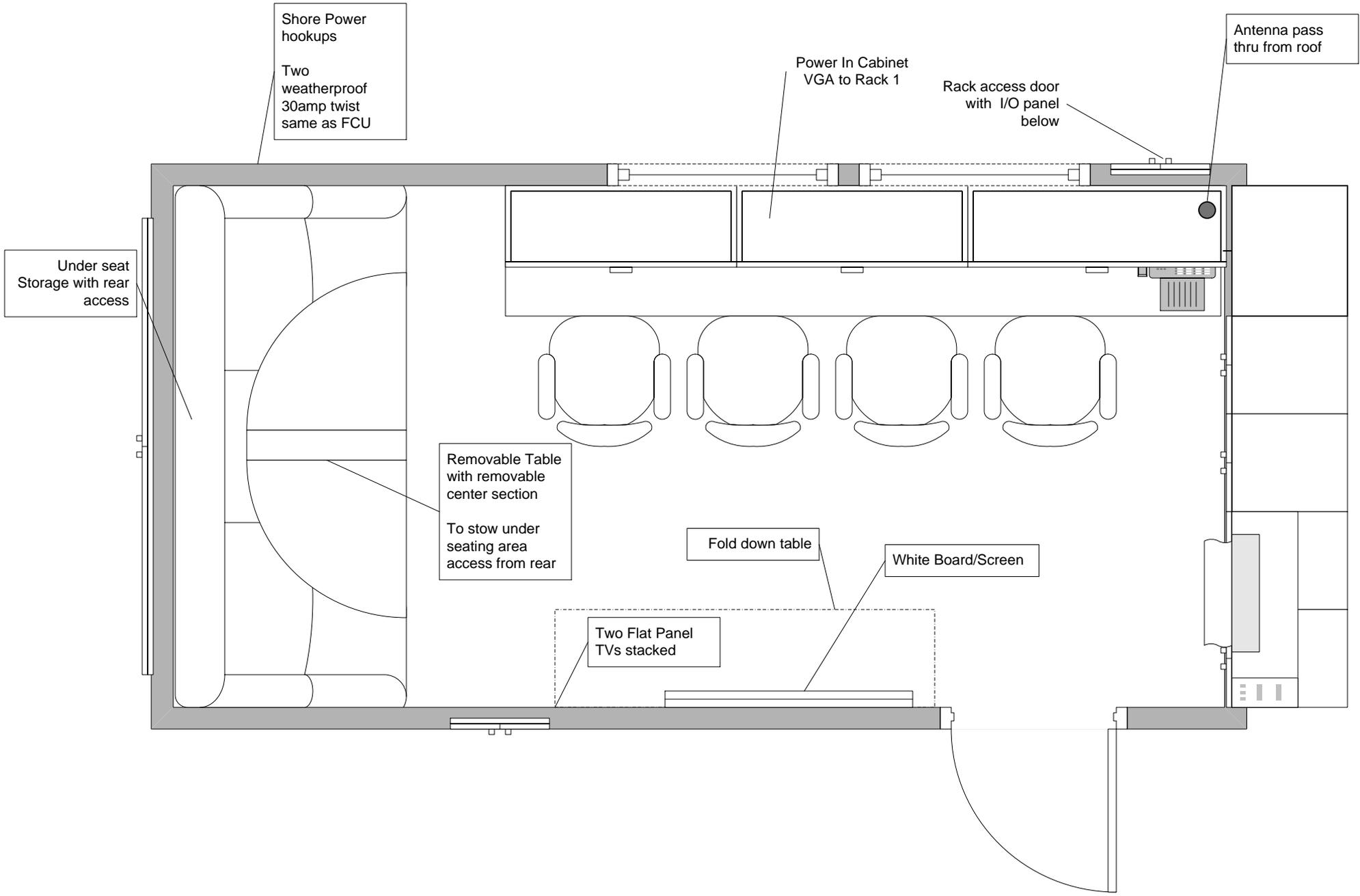
Brandon Robinson
Sales and service specialist
Gerling and Associates
614-296-1454











Shore Power hookups
Two weatherproof 30amp twist same as FCU

Power In Cabinet
VGA to Rack 1

Rack access door
with I/O panel
below

Antenna pass
thru from roof

Under seat
Storage with rear
access

Removable Table
with removable
center section
To stow under
seating area
access from rear

Fold down table

White Board/Screen

Two Flat Panel
TVs stacked

- Carpet to be same type as FCU
- Floor same type as FCU
- Heater same as ISV
- Replace manual jacks with auto
- Two 12 fuse panels far right cabinet. One constant one switched by master switch

Standard 19" rack space 4U with
 4U radio Self each rack with TBA Installed /blank
 30amp DC Power x2 each rack fussed in far right cabinet
 LMR400 X2 each rack to antenna Patch Panel
 4 pair wire for headset jacks x2 each rack to under counter
 Fans for cooling

Power In Cabinet
 VGA to Rack 1
 High Shelf for
 Projector

MaCOM Mobile
 with remote head
 in cab

42.00in.

Meters
 Load
 Center

Standard 4U Rack
 Antenna Patch
 panel (Type N)

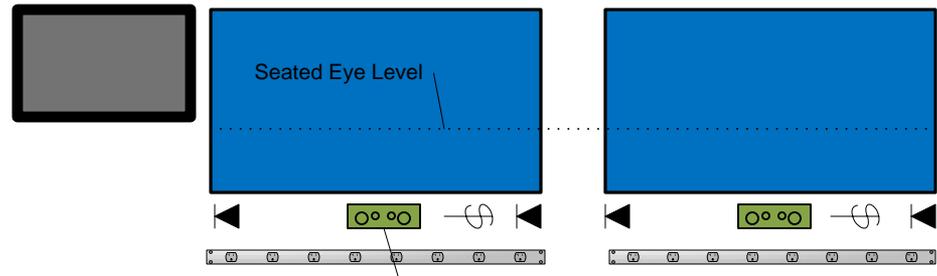
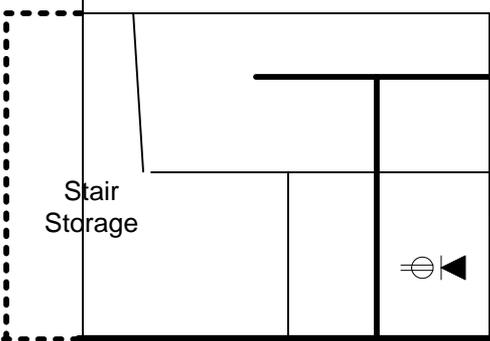
Whiteboard

Under Cabinet
 Task Lights with
 dimmer

Seated Eye Level

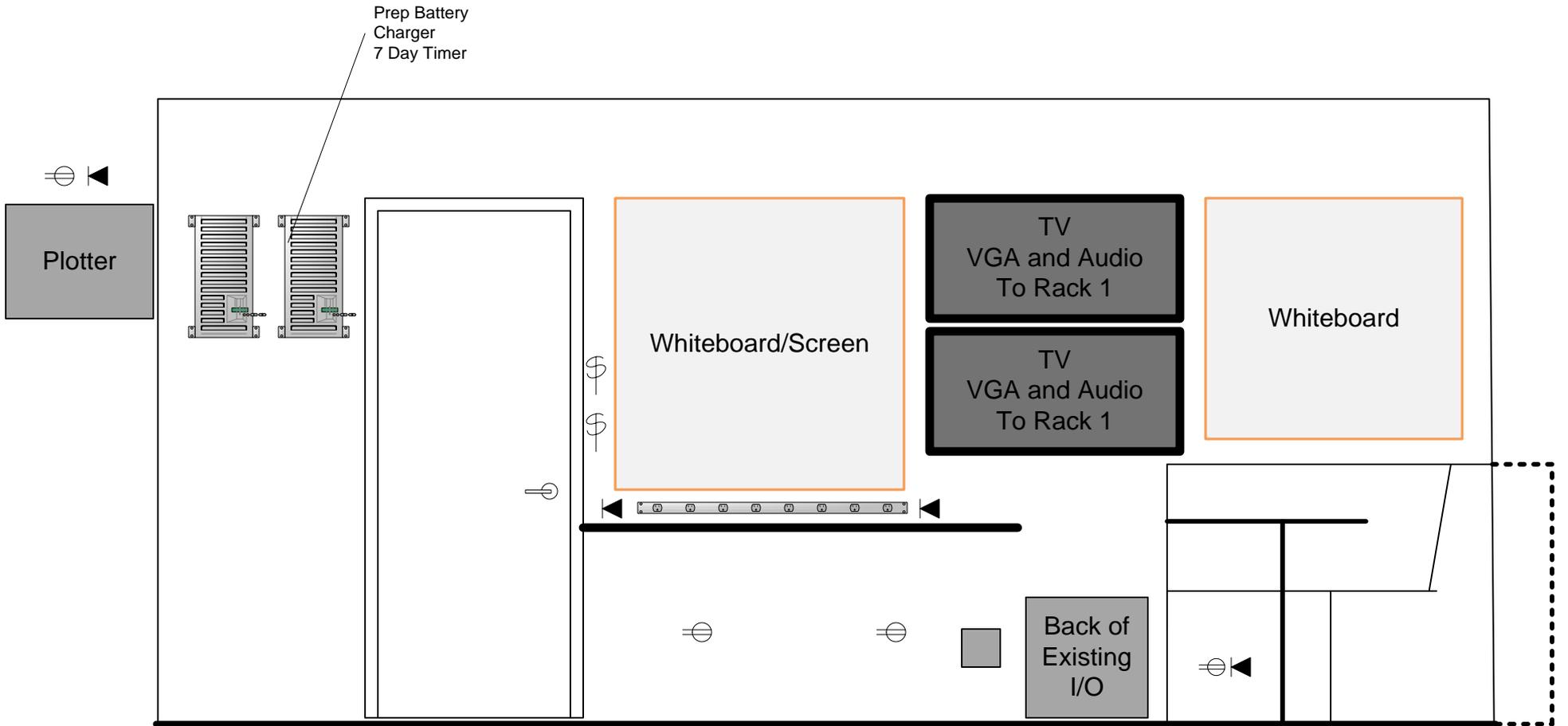
24W in Monitor
 with VGA and
 audio to Rack 1

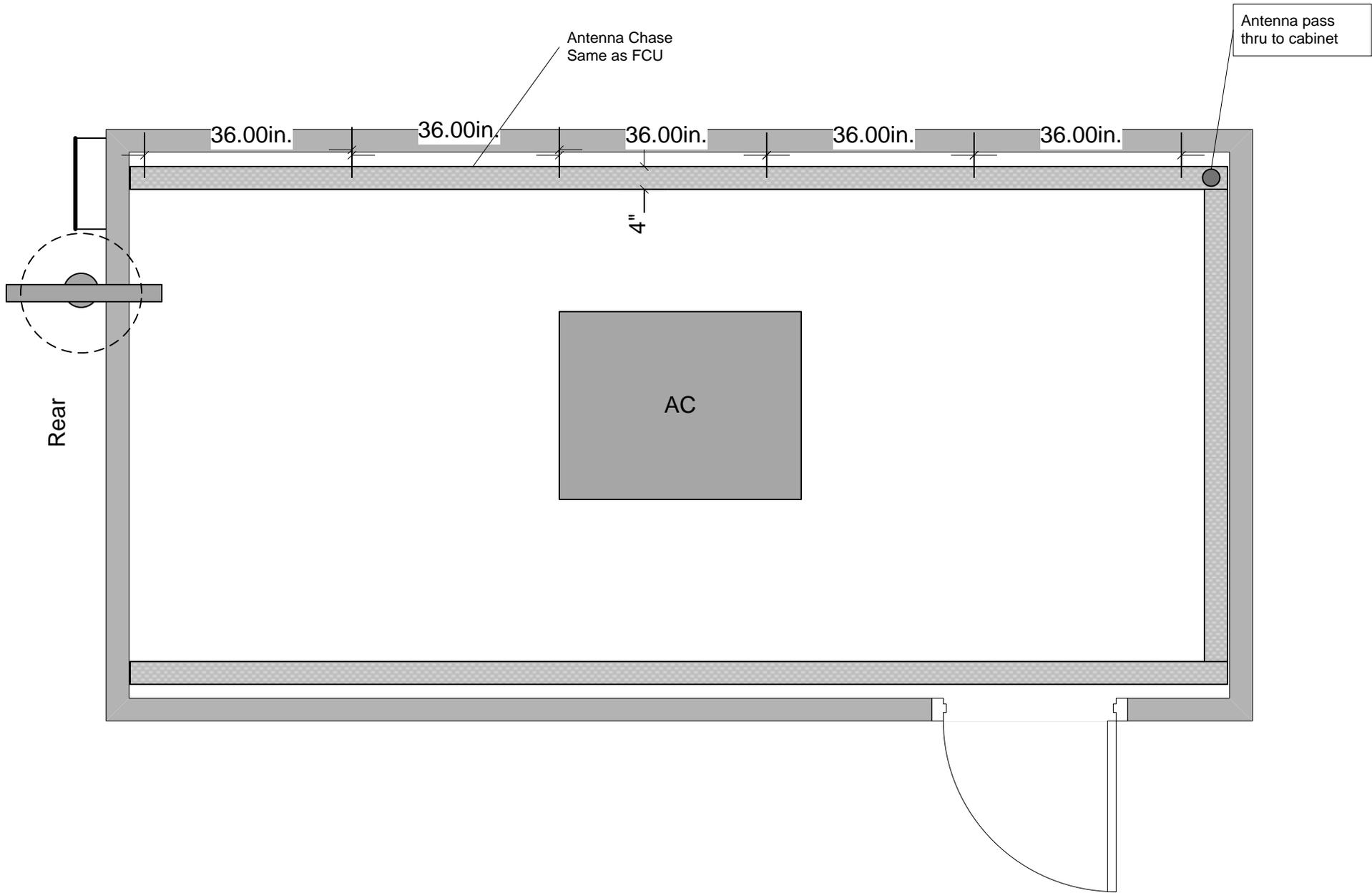
Removable
 raised wire chase

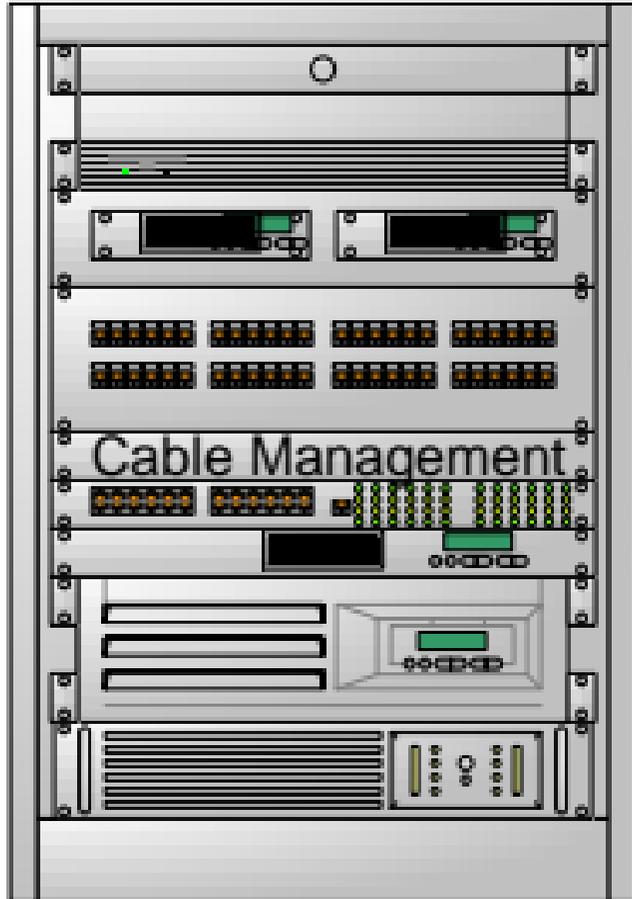


AV/Network
 Rack 1
 16U or More

DC power jack TYPE







Keyboard Tray

VGA Matrix 1-VSM-AP-JA8-JA8 1-TVB-250 2-URA-SKU

232-ATSC+ HDTV Tuner x2

48 Port + 12 Patch Panel

Cable Management

Switch

Cisco Wireless Router

PC1 (DVR)

1000VA UPS (Same as FCU)

- Replace manual jacks with auto
- Two 12 fuse panels far right cabinet. One constant one switched by master switch

Standard 19" rack space 4U with 4U radio Self each rack with Troy Products Rails 20amp DC Power x2 each rack fused in far right cabinet LMR400 X2 each rack to antenna Patch Panel Fans for cooling



DC power jack