



Purchasing Division

ADDENDUM NO. 3

DATE: July 14, 2016
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: RFP-4267-16-DH New Data Center Server Cabinets and Cold Aisle Containment for New City Hall I.T. Server Room Project

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

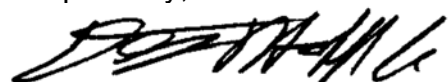
1. Q. Is 12" distance required from roof?
A. This can be deviated.
2. Q. For the crack units, is height adjustment available?
A. No, not adjustable. Contractor shall need to fill the gap.
3. Q. What is the cold aisle width?
A. See attached drawing.
4. Q. Can cabinets be used to support structure?
A. Yes.
5. Q. Can swing doors be used instead of slider doors?
A. Contractor shall submit pricing and proposal as per the solicitation documents, which currently state slider doors. However, if the Contractor has alternate concepts for the cabinets (such as a swinging door vs. a sliding door), they may submit an "Alternate" proposal in addition to their primary proposal.
6. Q. Can the doors be transparent or do they need to be solid with windows?
A. As long as you can see through them and allows light through.
7. Q. Do roof panels in the cold aisle need to be transparent?

- A. They need to allow adequate light through, or they need to be equipped with their own light source.
8. Q. Is the design requirement to provide access holes through the containment ceiling for the fire suppression to penetrate?
- A. Yes, but it can be cut in during installation to coordinate with fire suppress locations.
9. Q. How tall are the ceilings in the room?
- A. Lowest point in the room is 10' 10".
10. Q. Can the containment solution use the racks as a support mechanism for the or does it need to be attached to the ceiling?
- A. The rack should be the support mechanism for the containment system, but ceiling support will also be considered too.
11. Q. Can the doors be constructed as solid doors with windows?
- A. Yes, as long as we can see into the aisle.
12. Q. Are strictly looking at solutions with horizontal containment or is vertical containment an option?
- A. When submitting your proposal, please explain the difference in these options.
13. Q. Will a supplemental drawing be supplied to include the width of the aisle?
- A. Yes, see attached.
14. Q. Can we supply options for alternative doors?
- A. Yes, see answer 5-A above.
15. Two firms attempted to dial-in to our conference call line, but due to circumstances beyond their control (the conference line became full and at that point didn't allow additional callers into the conference call) were not able to get through. Therefore, two additional firms shall be added to the mandatory sign in sheet as in attendance. This updated sign in sheet has been posted to the City's website, www.gjcity.org and click on Bids, and also to the Rocky Mountain E-Purchasing System.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,



Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

DO NOT REPRODUCE THESE DRAWINGS AND SPECIFICATIONS WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER. THE DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF THE SERVICE AND SHALL REMAIN THE PROPERTY OF THE DESIGNER. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXCLUDED OR NOT, THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANYONE ON ANY OTHER PROJECTS FOR ADDITIONS TO THIS PROJECT BY OTHERS EXCEPT BY THE EXPRESSED WRITTEN PERMISSION OF THE DESIGNER.

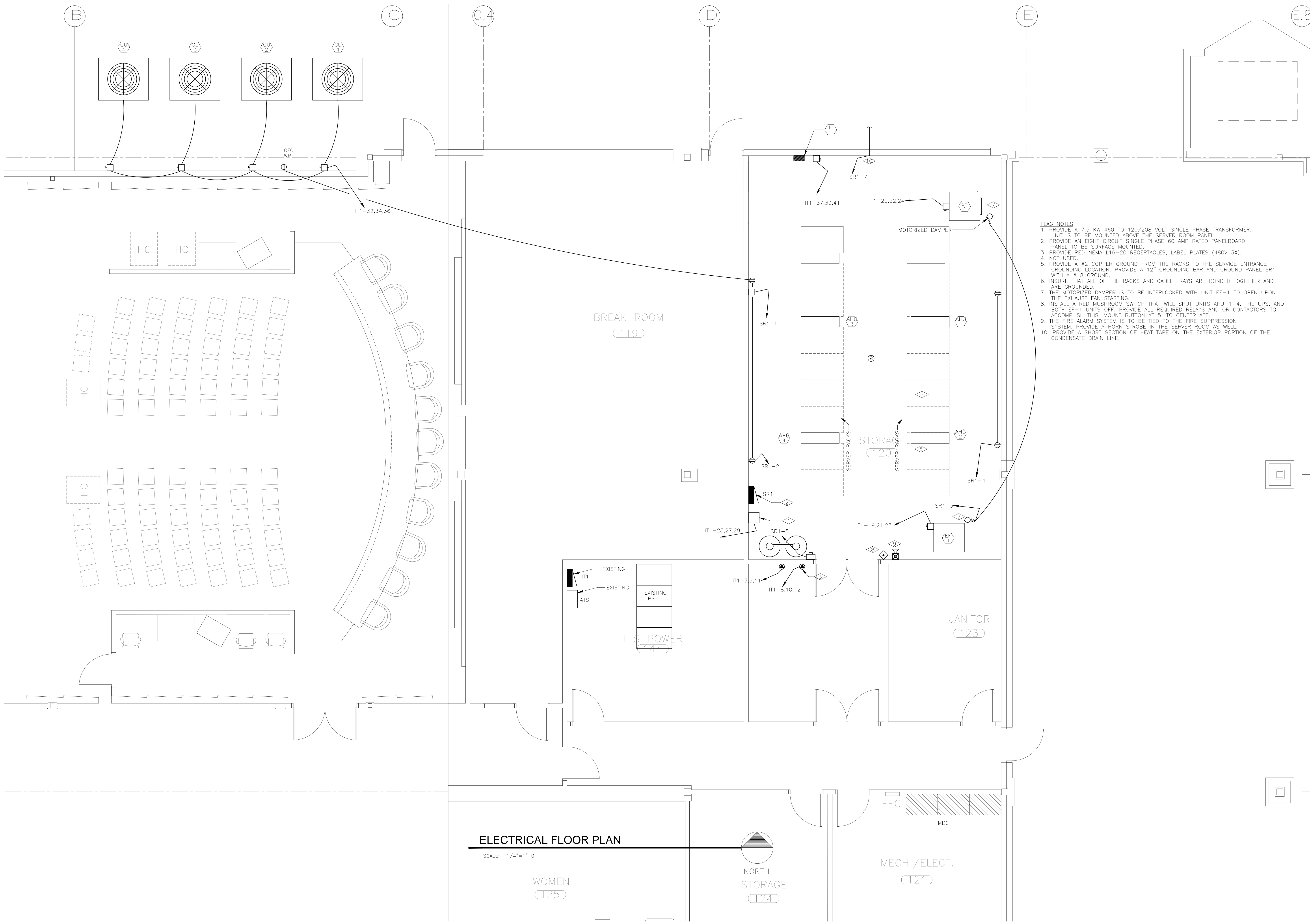
Bighorn Consulting Engineers, Inc.
 Mechanical & Electrical Engineers
 569 S. Westgate Dr., Suite 1
 Grand Junction, CO 81505
 phone: 970-241-8709, fax: 970-241-9514

**GRAND JUNCTION, CITY HALL
 SERVER ROOM**
 250 N. 5TH STREET
 GRAND JUNCTION, COLORADO

DATE:	ISSUED FOR:
2-27-16	CONSTRUCTION DRAWINGS



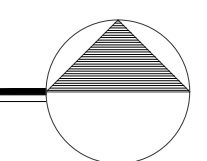
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JOB NO:	15-156
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CHECKED BY:	BCE
SCALE:	AS SHOWN
SHEET NUMBER:	E1-2



- FLAG NOTES**
1. PROVIDE A 7.5 KW 460 TO 120/208 VOLT SINGLE PHASE TRANSFORMER. UNIT IS TO BE MOUNTED ABOVE THE SERVER ROOM PANEL.
 2. PROVIDE AN EIGHT CIRCUIT SINGLE PHASE 60 AMP RATED PANELBOARD. PANEL TO BE SURFACE MOUNTED.
 3. PROVIDE RED NEMA 116-20 RECEPTACLES, LABEL PLATES (480V 3ø).
 4. NOT USED.
 5. PROVIDE A #2 COPPER GROUND FROM THE RACKS TO THE SERVICE ENTRANCE GROUNDING LOCATION. PROVIDE A 12" GROUNDING BAR AND GROUND PANEL SR1 WITH A # 8 GROUND.
 6. INSURE THAT ALL OF THE RACKS AND CABLE TRAYS ARE BONDED TOGETHER AND ARE GROUNDED.
 7. THE MOTORIZED DAMPER IS TO BE INTERLOCKED WITH UNIT EF-1 TO OPEN UPON THE EXHAUST FAN STARTING.
 8. INSTALL A RED MUSHROOM SWITCH THAT WILL SHUT UNITS AHU-1-4, THE UPS, AND BOTH EF-1 UNITS OFF. PROVIDE ALL REQUIRED RELAYS AND OR CONTACTORS TO ACCOMPLISH THIS. MOUNT BUTTON AT 5' TO CENTER AFF.
 9. THE FIRE ALARM SYSTEM IS TO BE TIED TO THE FIRE SUPPRESSION SYSTEM. PROVIDE A HORN STROBE IN THE SERVER ROOM AS WELL.
 10. PROVIDE A SHORT SECTION OF HEAT TAPE ON THE EXTERIOR PORTION OF THE CONDENSATE DRAIN LINE.

ELECTRICAL FLOOR PLAN

SCALE: 1/4"=1'-0"



NORTH
STORAGE
124

MECH./ELECT.
121

WOMEN
125

FEC
MDC

EXISTING UPS
144

BREAK ROOM
119

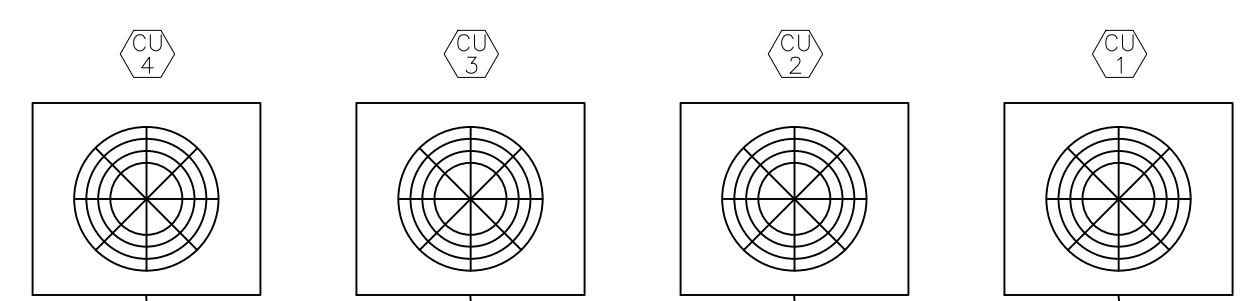
SERVER RACKS
STORAGE
120

JANITOR
123

HC

HC

HC



GFCI WP

IT1-32,34,36

IT1-37,39,41

IT1-20,22,24

SR1-1

SR1-2

SR1

IT1-25,27,29

IT1-7,9,11

IT1-8,10,12

IT1-19,21,23

SR1-3

SR1-4

MOTORIZED DAMPER

AHU 3

AHU 4

AHU 2

AHU 1

AHU 5

AHU 6

AHU 7

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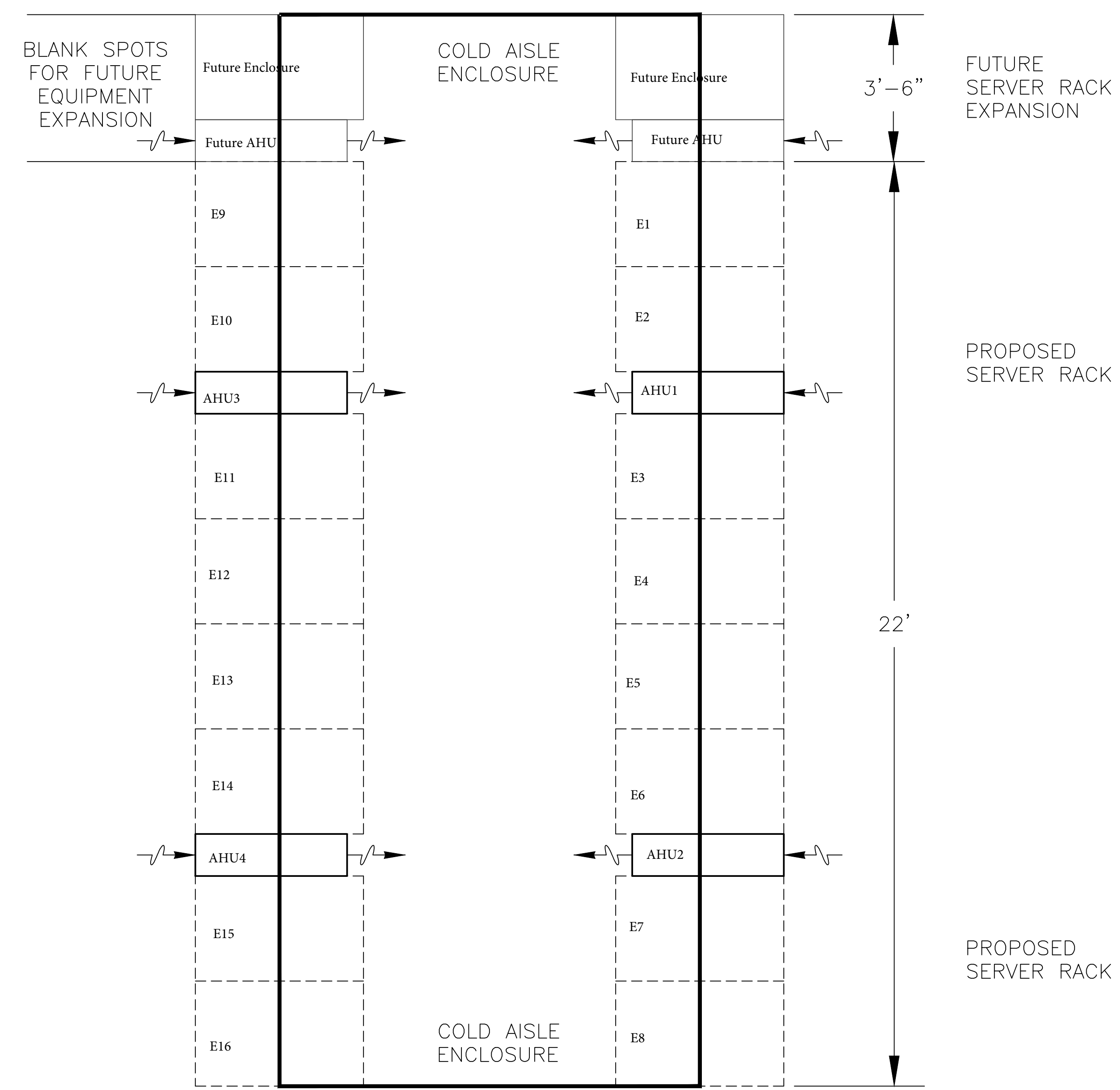
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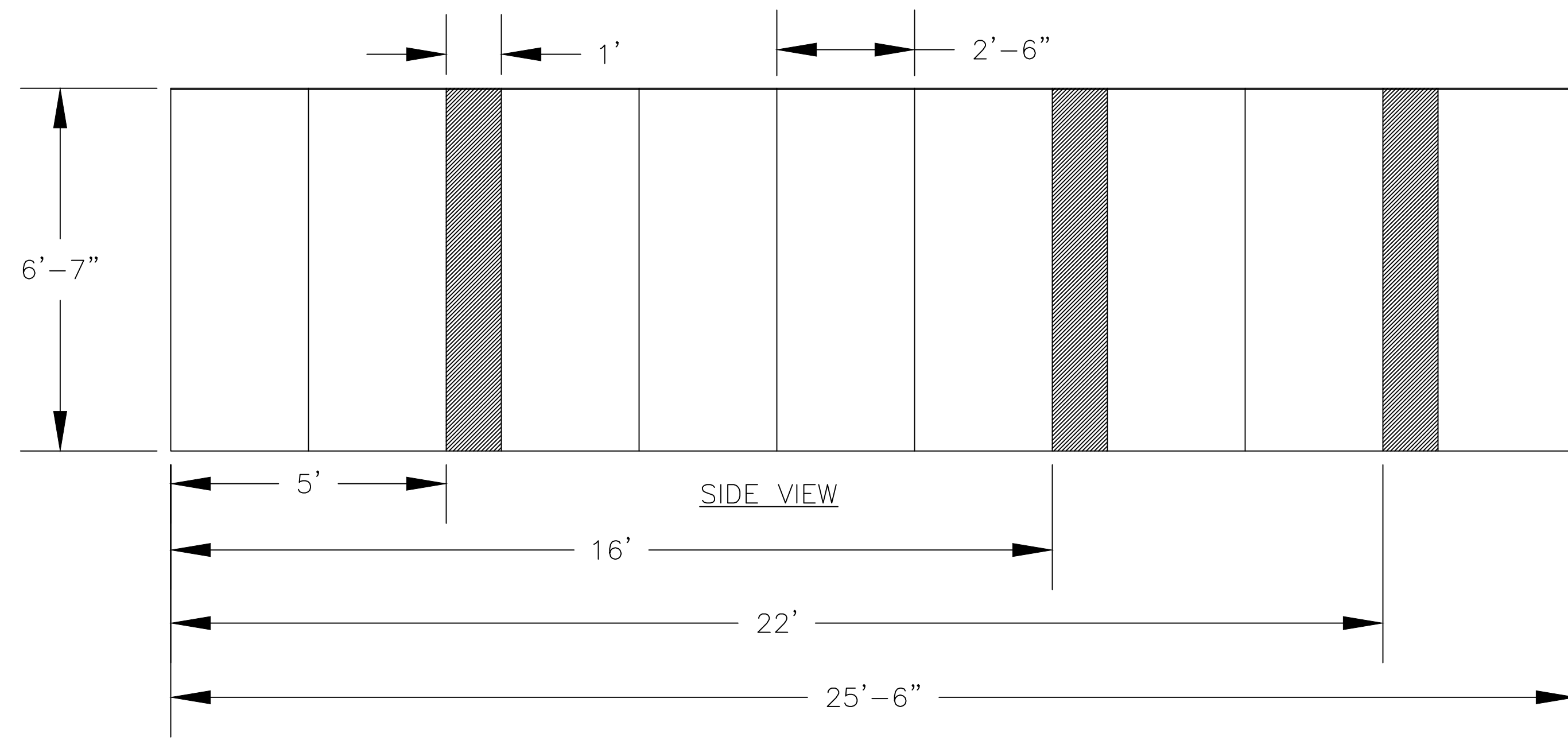
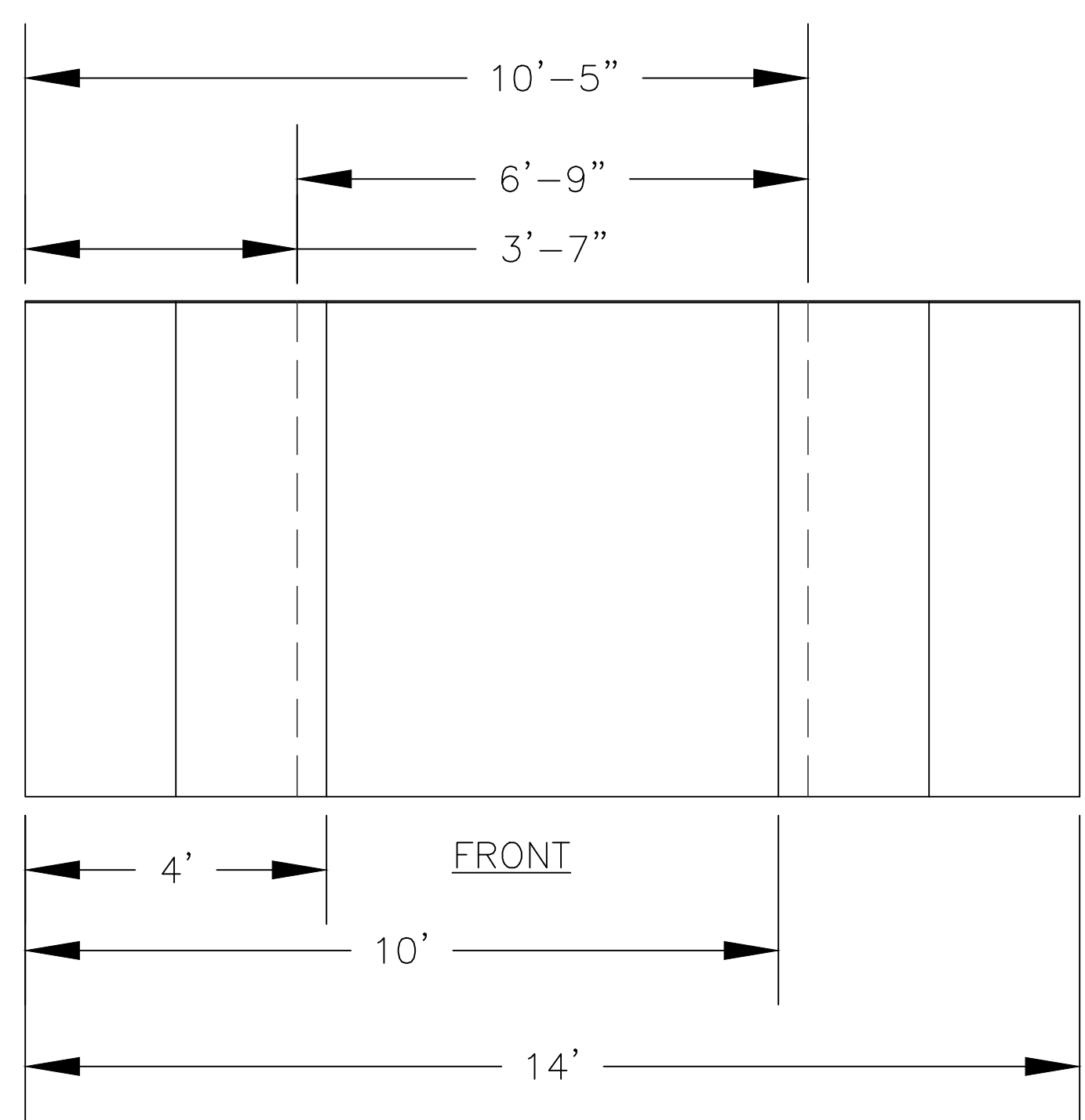
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TOP



ORTHOGRAPHIC VIEW'S OF SERVER RACK

SCALE: 1/2"=1'-0"