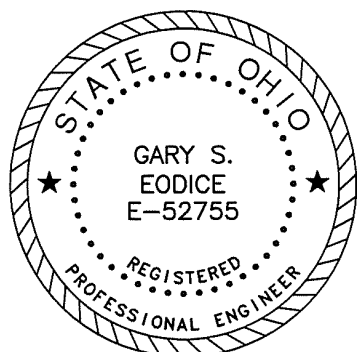


1. POWER DISTRIBUTION PANEL, 301-640-041. VARIABLE SPEED DRIVERS, MOTOR DISCONNECTS WILL BE PROVIDED BY DIVISION 23. ALL REQUIRED BREAKERS FOR THE FOLLOWING SHALL BE PROVIDED BY THE INSTALLER WITH PANEL AND RESPONSIBILITY. DIVISION 23 BREAKERS AND WIRING MUST COMPLY WITH NEC 201. ALL WIRING WITHIN THE ELECTRICAL RACEWAY SHALL BE PROVIDED BY THE INSTALLER. THE INSTALLER SHALL PROVIDE A SINGLE POINT CONNECTION TO THE 480V (3PH) AND SINGLE POINT CONNECTIONS TO ALL 120V LOADS. 120V LOADS WILL BE PROVIDED BY THE FACTORY TO THE ELECTRICAL RACEWAY. ALL WIRING SHALL BE PROVIDED BY THE INSTALLER. CONNECT TO ANY CORE DRILL/LOAD PENETRATIONS. REFER TO 47R14 CEMD ZEP PLAN FOR PENETRATIONS.
2. PROVIDE CONCRETE FLOOR FOR INSTALLATION/MOUNTING OF NEW WEATHERPROOF DISCONNECT.
 3. RUN 2" DIA. RIGID R/C IN 75°C.
 4. TIE INTO EXISTING LIGHTING PROTECTION SYSTEM.
 5. PROVIDE NEW STRIKE TERMINAL AS REQUIRED.
 6. PROVIDE NEW LIGHTING TERMINAL AS REQUIRED.
 7. PROVIDE 120V/240V ELECTRICAL CONNECTION TO LIGHTING (FLUORESCENT AND UV) AND 480V/240V ELECTRICAL CONNECTION TO THE FACTORY WITH A H. UNIT.
 8. RUN 2" DIA. 1-1/2 RIGID, IN 75°C.

3225.00		
	ISSUED FOR BIDDING	05/29/15
Revisions		Date

615 Woodside Drive, Englewood, Ohio 45322
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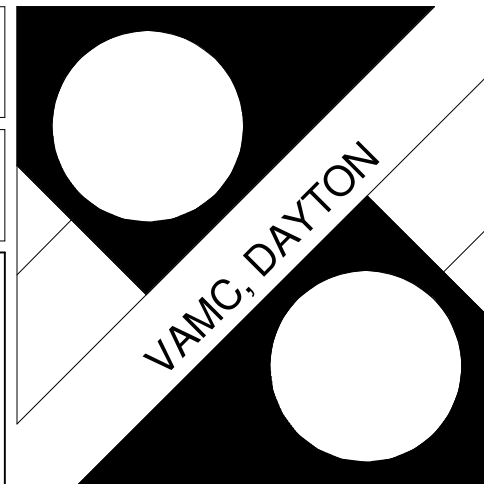
Approved: Project Manager
CHRIS MOORHEAD

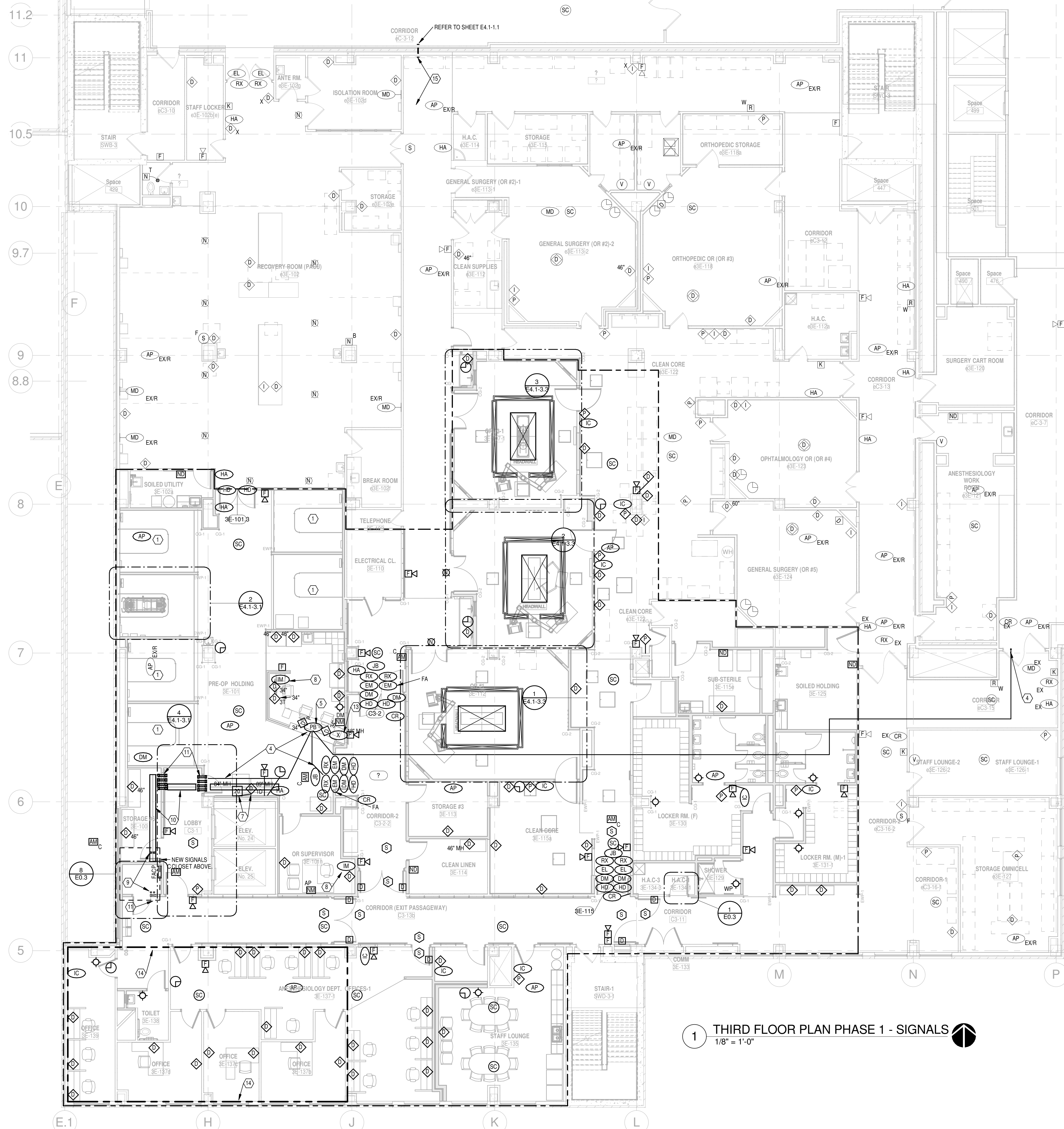
Approved: Service Chief
PHILIP KIRK

Building Number 310	Checked MSG	Drawn JAS
Location 4100 WEST THIRD STREET DAYTON, OH 45428		

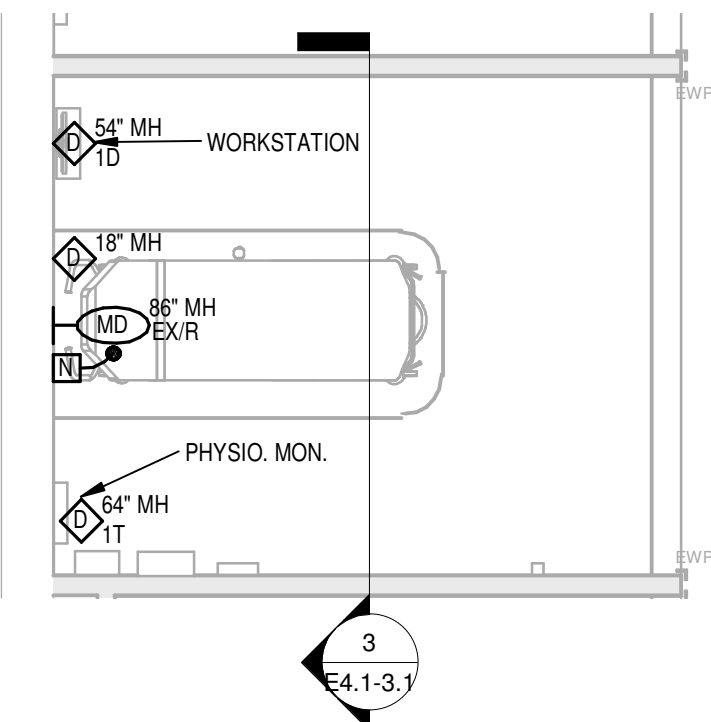
Drawing No.
E3.1-5.1

1400 W Dorothy Lane, Dayton, OH 45409-1310
Ph 937-224-0861 Fax 937-224-5777 www.heapy.com
Heapy Project No.: 2014-04008 Firm License No.: 01528

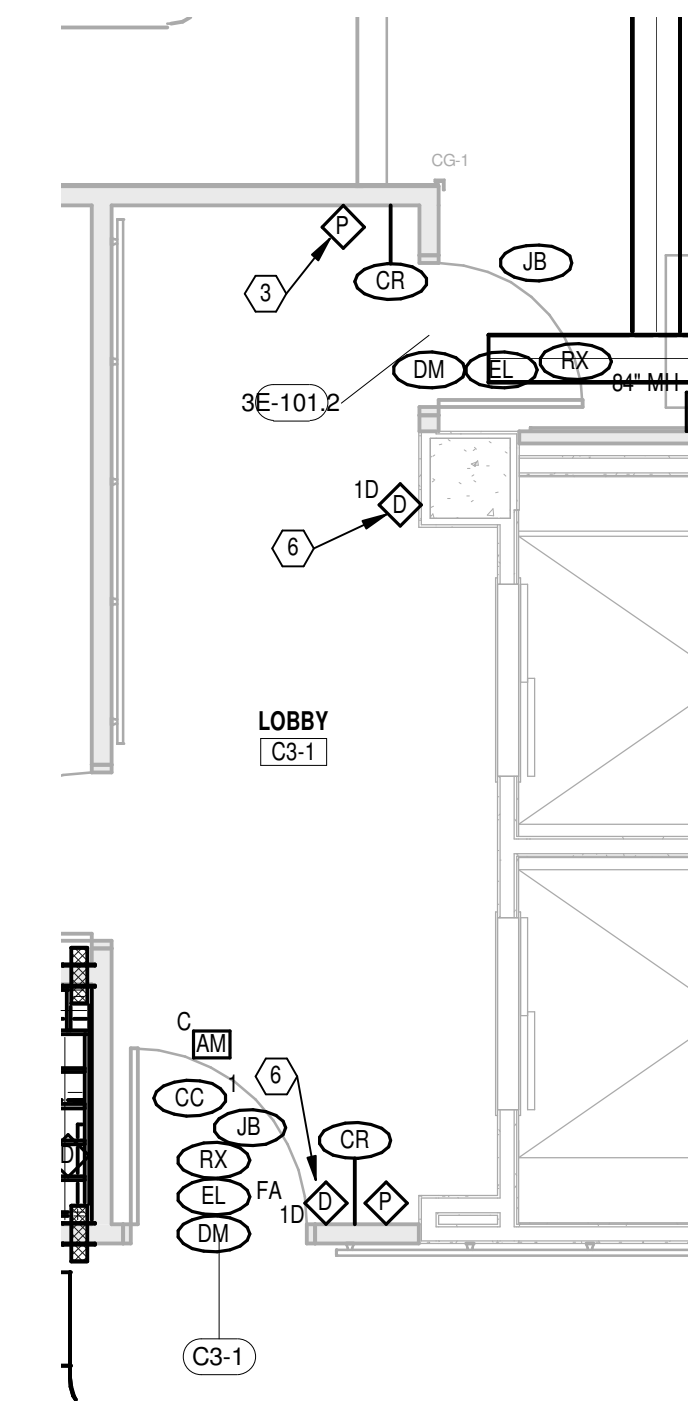
VA
Department of
Veterans Affairs



- A. ALL NEW VOICE/DATA CABLING TO BE RUN TO NEW 4TH FLOOR SIGNALS CLOSET 4E-102D.
- B. ALL NEW PHILIPS PHYSIOLOGICAL MONITORING CABLING TO BE RUN TO NEW EQUIPMENT CLOSET 3E-14D THIS FLOOR.
- C. ALL NEW INTERCOM AND SECURITY/ACCESS CONTROL CABLING TO BE RUN TO NEW EQUIPMENT CLOSET, THIS FLOOR (3E-2) AND TERMINATED ON NEW BACKBOARD MOUNTED EQUIPMENT.



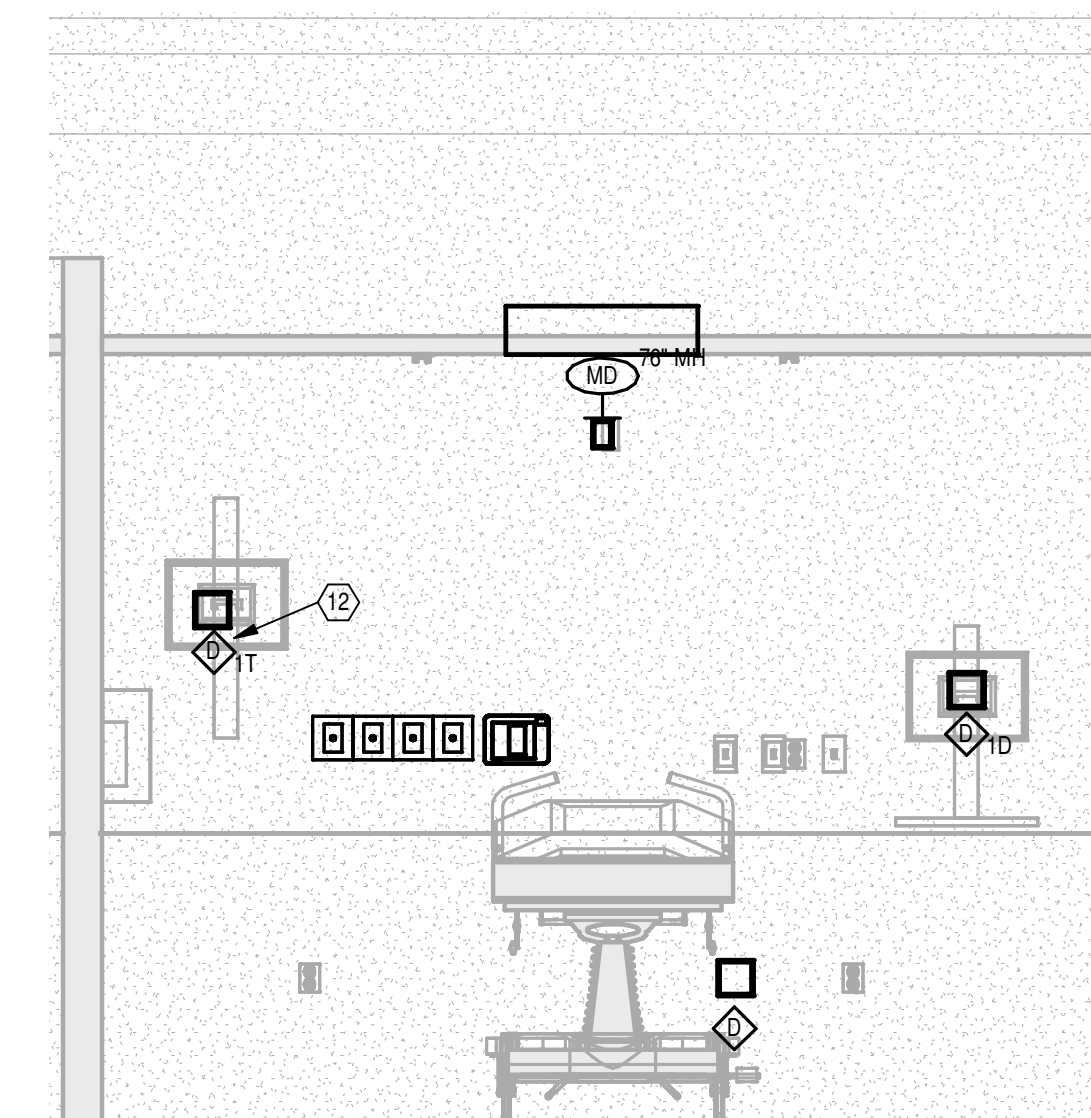
② $1/4'' = 1'-0''$



4 LOBBY
1/4" = 1'-0"

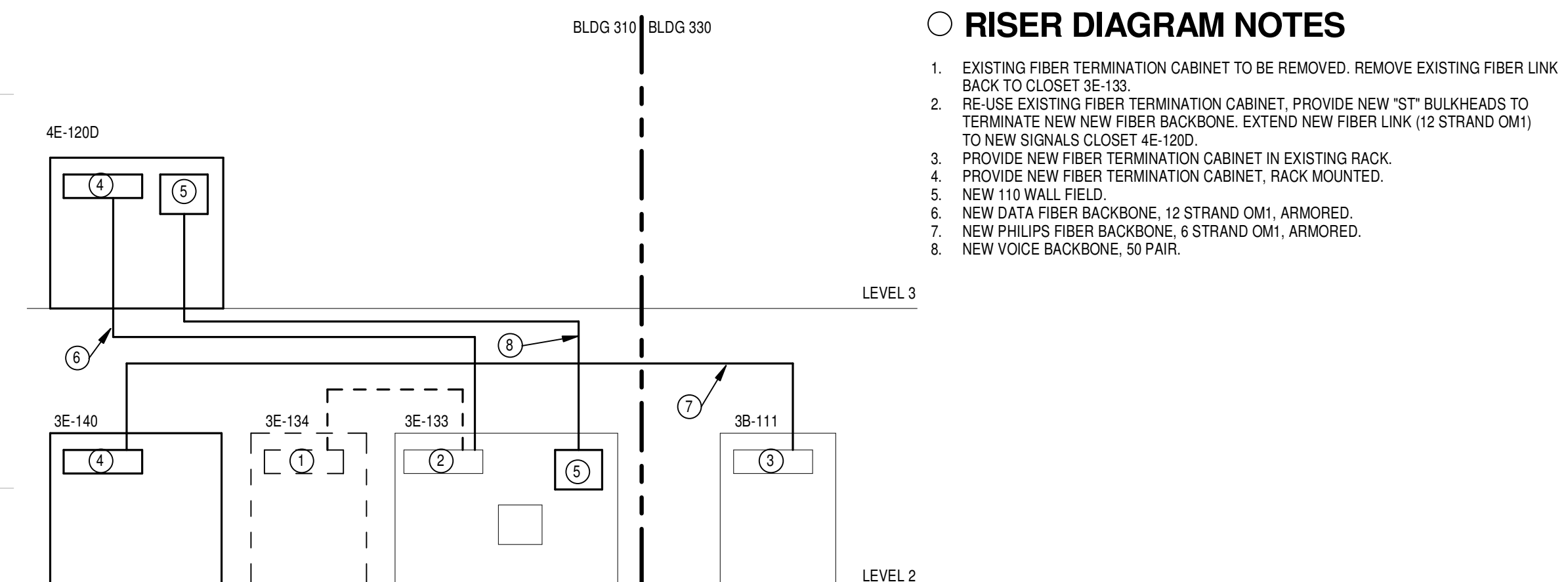
[illegible]

A. THE DRAWINGS SHALL SHOW THE RELOCATION/ADDITION OF WIRELESS ACCESS POINTS FOR R0211NAC WLAN AND RTLS COVERAGE OF THE RENOVATION AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A WLAN RF PREDICTIVE MODEL BASED UPON THE PERFORMANCE REQUIREMENTS ESTABLISHED BY THE VA TO DETERMINE THE ACTUAL LOCATION/DENSITY/QUANTITY OF WIRELESS ACCESS POINTS. THE CONTRACTOR SHALL PROVIDE AN RF PREDICTIVE MODEL FOR THE GENERATED RF PREDICTIVE MODEL FOR AP QUANTITY/LOCATION. THE CONTRACTOR SHALL PROVIDE A COPY OF THE PREDICTIVE MODEL BASED WITH THE SHOW DRAWINGS. THE CONTRACTOR DESIGN SHALL BE SUBJECT TO THE VA REVIEW AND THE DESIGN SHALL BE COMPLETE AND FULLY OPERATIONAL WITHOUT REQUIRING WORK IN SUBSEQUENT PHASES. THE CONTRACTOR SHALL PROVIDE AN RF SITE SURVEY DURING INSTALLATION TO VALIDATE THE DESIGN, DEMONSTRATE PERFORMANCE OF THE WLAN AND RTLS TO THE VA CRITERIA, AND THE PERFORMANCE MEASUREMENTS IN AN ACTUAL LOCATION AS REQUIRED TO MEET SPECIFIC SYSTEM PERFORMANCE REQUIREMENTS.



3) TYPICAL PRE-OP HEADWALL ELEVATION
1/2" = 1'-0"

1. EXISTING FIBER TERMINATION CABINET TO BE REMOVED. REMOVE EXISTING FIBER LINK BACK TO CLOSET 3E-130.
2. RE-USE EXISTING FIBER TERMINATION CABINET, PROVIDE NEW "ST" BULKHEADS TO TERMINATE NEW NEW FIBER BACKBONE. EXTEND NEW FIBER LINK (12 STRAND OM1) TO NEW SIGNALS CLOSET 4E-1200.
3. PROVIDE NEW FIBER TERMINATION CABINET IN EXISTING RACK.
4. PROVIDE NEW FIBER TERMINATION CABINET, RACK MOUNTED.
5. NEW 110 WALL FIELD.
6. NEW DATA FIBER BACKBONE, 12 STRAND OM1, ARMORED.
7. NEW PHILIPS FIBER BACKBONE, 6 STRAND OM1, ARMORED.
8. NEW VOICE BACKBONE, 50 PAIR.



5 TECHNOLOGY CABLING RISER DIAGRAM
SCALE: 1/8" = 1'-0"

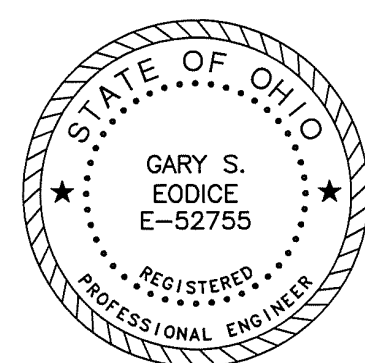
1 THIRD FLOOR PLAN PHASE 1 - SIGNALS
1/8" = 1'-0"

3225.00		
1	ISSUED FOR BIDDING WLAN CLARIFICATION	05/29/15 07/30/15
Revisions:		Date:

App Architecture
creative focused design

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Revised By:

	Drawing Title
--	---------------

THIRD FLOOR PLAN PHASE 1 - SIGNALS

Approved: Project Manager

CHRIS MOORHE

Approved: Service Chief

Project Title

RENOVATE OPERATING ROOMS

Building Number

310	NTL	JDK
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Location	4100 WEST THIRD STREET
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	Date
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05/29/15

Drawing

54

E4

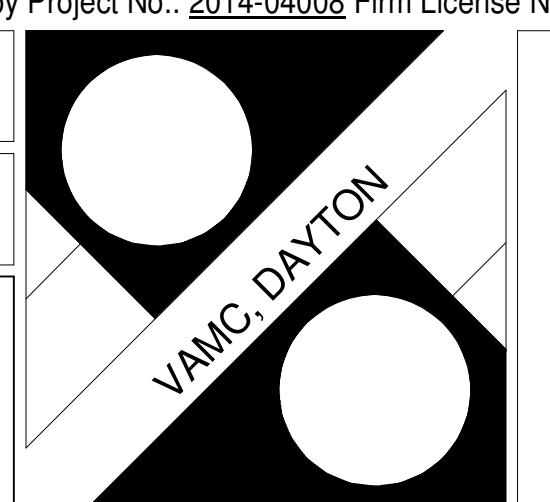
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Veterans Affairs



E4.1-3.2

