

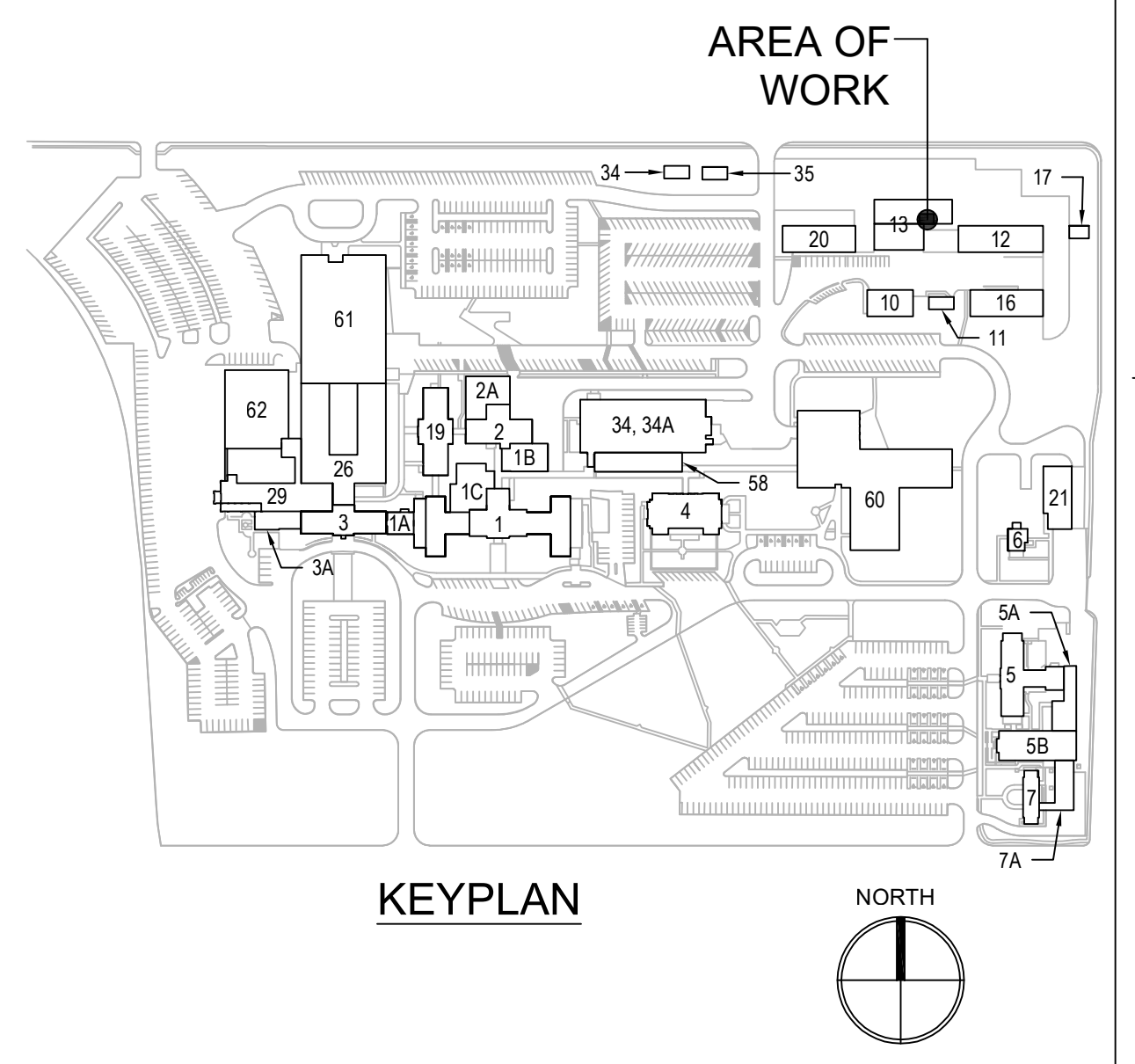
1 ENLARGED CONTROL ROOM, IT ROOM & SECURITY ROOM, PHASE 2  
SCALE: 1/2" = 1'-0"

SHEET KEYNOTES:

- PROVIDE (2) NEW FACP DIALERS AND CONNECT TO NEW FACP.
- PROVIDE NEW FACP WITH BATTERY CABINET, CIRCUIT AS INDICATED. THE NEW FACP SHALL MATCH THE EXISTING SYSTEM IN FUNCTIONALITY AND MONITORING.
- PROVIDE 120V CONNECTION TO RELOCATED VEEDER ROOT PANEL. VERIFY LOCATION.
- RELOCATE VEEDER ROOT WORKSTATION. VERIFY LOCATION.
- RELOCATE EXISTING ENERGY MANAGEMENT SYSTEM (EMS) PANEL AND ALL ASSOCIATED PERIPHERALS (SSI, ANTENNA, ETC.) ALL CONNECTIONS AND FUNCTIONALITY OF THE EMS SYSTEM SHALL MATCH THE EXISTING SYSTEM PRIOR TO DEMOLITION. ALTHOUGH THIS WORK IS SHOWN ON PHASE 2, WORK SHALL BE COMPLETED DURING PHASE 3.
- PROVIDE 3-BREAKER UPS PANEL CONNECTED TO ADJACENT TOWER UPS.
- PROVIDE MUSHROOM-TYPE EPO SWITCH WITH COVER, MOUNT AT 60" [1524] AFF. LABEL "GENERATOR SHUTDOWN" AND CIRCUIT AS INDICATED. REFER TO SHEET 13-E-402.02 FOR ADDITIONAL INFORMATION.
- PROVIDE GENERATOR REMOTE ANNUNCIATOR PANEL (FOR 13-GEN-1) AND ATS REMOTE ANNUNCIATOR PANEL (FOR 13-ATS). MAKE FINAL CONNECTIONS TO NEW EQUIPMENT.
- RELOCATE REMOTE ANNUNCIATOR PANEL ASSOCIATED WITH RELOCATED GENERATOR. EXTEND CONDUIT AND WIRES TO PULL BOX LOCATED IN ELECTRICAL ROOM. REFER TO SHEET 13-EP111.02 FOR LOCATION OF PULL BOX AND FOR QUANTITY AND SIZE OF CONDUIT AND WIRES.
- PROVIDE MUSHROOM-TYPE EPO SWITCH WITH COVER, MOUNTED AT 60" [1524] AFF. LABEL "BOILER FUEL EPO". CONNECT TO INDICATED CIRCUIT AND BOILER EPO'S AND BELLS THROUGHOUT THE BOILER PLANT. UPON ACTIVATION OF EPO, THE BREAKERS OF THE BOILER FUEL OIL PUMPS, NATURAL GAS SHUT OFF VALVE AND PROPANE GAS SHUT OFF VALVES SHALL BE TRIPPED AND THE 120V BELLS SHALL ACTIVATE.
- PROVIDE FIRE ALARM CONTACTS AND MODULE FOR MONITORING OF BOILER FUEL EPO CIRCUIT. CONNECT TO NEW FACP.
- PROVIDE FIRE ALARM ANNUNCIATOR PANEL AND CONNECT TO NEW FACP.
- PROVIDE FIRE ALARM OPERATOR TERMINAL AND CONNECT TO NEW FACP.
- PROVIDE A DUPLICATE ENERGY MANAGEMENT OPERATOR TERMINAL TO MATCH THE EXISTING (CURRENTLY LOCATED IN THE EXISTING CONTROL ROOM CLOSE). CONNECT TO THE EXISTING SYSTEM. THE EXISTING SYSTEM WILL BE RELOCATED UNDER PHASE 3. REFER TO SHEETS 13-ED111.01 AND 13-EP111.03.
- RELOCATE MEDGAS PANELS AND ASSOCIATED EQUIPMENT. PROVIDE EXTENSIONS TO THE EXISTING SYSTEM AND CONNECT TO THE RELOCATED EQUIPMENT. REFER TO SHEET 13-EP111.02 FOR LOCATION OF NEW REPEATER ASSOCIATED WITH MEDGAS SYSTEM.
- PROVIDE MUSHROOM-TYPE EPO SWITCH WITH COVER, MOUNT AT 60" [1524] AFF. LABEL "BOILER POWER SHUTDOWN". CIRCUIT AS INDICATED; ROUTE CIRCUIT THROUGH ADDITIONAL BOILER EPO AT BOILER AND SHUNT TRIP DEVICES AT EACH OF THE POWER SOURCES SHOWN AT THE BOILER. REFER TO SHEET 13-EP111.02.
- PROVIDE 120V BELL FOR NOTIFICATION OF ACTIVATION OF ANY OF THE BOILER FUEL EPO SWITCHES.
- PROVIDE TGB AND MAKE ALL GROUNDING CONNECTIONS AS INDICATED ON GROUNDING DETAIL 7/E-503.
- RELOCATE EXISTING CATV EQUIPMENT INCLUDING HOLLAND AMPLIFIER AND SPLITTERS. PROVIDE WALL-MOUNTING BRACKET FOR AMPLIFIER. PROVIDE NEW RUNS OF CABLES AS INDICATED BELOW:
  - (1) FIBER OPTIC CABLE ORIGINATING FROM BUILDING 16. UTILIZE TO THE EXTENT POSSIBLE THE SAME PATHWAY AS THE EXISTING FIBER OPTIC CABLE (TUNNEL, MANHOLES). REFER TO SHEETS ES101 AND 16-EP111.01.
  - (2) RG6 CABLES TO BUILDING 20. REFER TO SHEET 20-EP111.01.
  - (1) RG6 TO BUILDING 12. REFER TO SHEET 12-EP111.01.
  - (1) RG6 TO BUILDING 18. UTILIZE TO THE EXTENT POSSIBLE THE EXISTING ROUTE/RACEWAY (VIA TUNNEL). PROVIDE EXTENSIONS AS NEEDED TO THE NEW LOCATION OF THE CATV CABINET. REFER TO SHEET 16-EP111.01.
  - (2) RG6 CABLES TO BUILDING 13 TV'S.
- ROUTE (2) #10 + (1) #10G IN 3/4" [21] TO INDICATED CIRCUIT. CONFIRM RECEPTACLE CONFIGURATION WITH UPS PLUG.
- PROVIDE FIRE ALARM CONTROL MODULE FOR CONNECTION TO PACS SYSTEM. COORDINATE WITH PACS VENDOR.
- PROVIDE 120V CONNECTION TO EYE WASH STATION FOR HORN/STROBE ACTIVATION. PROVIDE FLOW SWITCH AND FIRE ALARM MODULE; CONNECT TO FIRE ALARM PANEL FOR TROUBLE SIGNAL UPON ACTIVATION OF EYE WASH STATION.
- PROVIDE 120V CONNECTION TO ATC PANEL. PROVIDE WITH FIRE ALARM RELAY AND CONNECT TO FIRE ALARM PANEL.
- PROVIDE IT RACK AND SECURE TO FLOOR SLAB. CONNECT UPS TO DISCONNECT SWITCH WITHIN IT ROOM.
- PROVIDE NON-FUSED DISCONNECT SWITCH AND CONNECT TO INDICATED PANEL AND RACK-MOUNTED UPS (WITHIN IT RACK). REFER TO SHEET E-603 FOR FEEDER SIZE. REFER TO SHEET E-604 FOR UPS INFORMATION.
- REFER TO SHEET E-604 FOR ADDITIONAL EQUIPMENT WITHIN IT ROOM.
- SUSPEND FROM CEILING ON UNISTRUT FRAME. FRONT OF ENCLOSURE SHALL BE FLUSH WITH FRONT OF THE TRANSFORMER. MOUNT SUCH THAT TOP OF BREAKER ENCLOSURE DOES NOT EXCEED 6'-6" [1981] AFF.
- PROVIDE FIRE ALARM CONTROL MODULE FOR CONNECTION TO LCP. UPON ACTIVATION OF FIRE ALARM, THE LCP SHALL TURN ON ALL LIGHTING FIXTURES. LCP SHALL BE PROVIDED WITH INTERFACE FOR THIS FUNCTIONALITY.
- PROVIDE (4)#14 IN 3/4" [21] UP TO ASSOCIATED OUTDOOR UNIT (ACCU) AND MAKE FINAL CONNECTIONS. INDOOR UNIT (AC) IS POWERED BY OUTDOOR UNIT (ACCU), AND IS PROVIDED WITH A DISCONNECT SWITCH. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR. REFER TO SHEET 13-EP131.02 FOR LOCATION OF ASSOCIATED ACCU.
- WIRE MESH CABLE TRAY WITH GROUNDING WIRE ALONG ENTIRE LENGTH OF TRAY.
- 2" [53] SLEEVES WITH FIRE-STOPPING.
- PROVIDE FIRE-RATED PLYWOOD ALONG PERIMETER OF ROOM.
- EXTEND (2) 120V CIRCUITS TO FEED THE BATTERY CHARGER AND BLOCK HEATER OF THE RELOCATED GENERATOR. ROUTE (4) #10 + (2) #10G IN 1" [27] FROM INDICATED SOURCE TO RELOCATED GENERATOR VIA UNDERGROUND CONDUITS INSTALLED DURING PHASE 1. REFER TO SHEET 13-EP101.01 AND DUCT BANK DETAIL 9/C-505.
- PROVIDE (30)#14 (ANNUNCIATION, ALARMS) AND (2)#12 (START SIGNAL) TO RELOCATED GENERATOR VIA UNDERGROUND CONDUIT INSTALLED DURING PHASE 1. ROUTE WIRES IN 1" [27] FROM JUNCTION BOX TO CONDUIT STUB-UP IN ELECTRICAL ROOM. PROVIDE (2)#12 (START SIGNAL) IN 3/4" [21] FROM JUNCTION BOX TO ATS #1 AND ATS #2 IN EXISTING BOILER PLANT, AND TO FUTURE LOCATION OF ATS #1 (SEE 13-EP111.03). PROVIDE (30)#14 (ANNUNCIATION, ALARMS) IN 1" [27] TO RELOCATED ANNUNCIATOR PANEL IN NEW CONTROL ROOM (SEE 13-E-401.02).

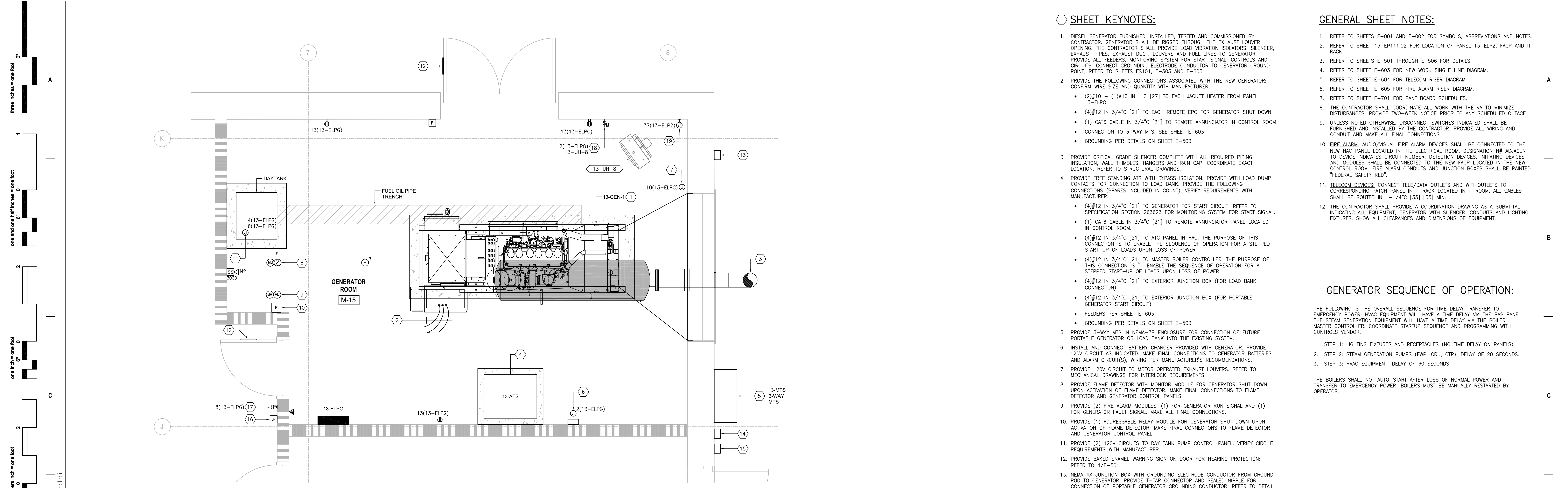
GENERAL SHEET NOTES:

- REFER TO SHEETS E-001 AND E-002 FOR LOCATION OF PANEL 13-ELP2 AND NEW FACP.
- REFER TO SHEET 13-EP111.02 FOR LOCATION OF PANEL 13-ELP2 AND NEW FACP.
- REFER TO SHEETS E-501 THROUGH E-506 FOR DETAILS.
- REFER TO SHEET E-603 FOR NEW WORK SINGLE LINE DIAGRAM.
- REFER TO SHEET E-604 FOR TELECOM RISER DIAGRAM.
- REFER TO SHEET E-605 FOR FIRE ALARM RISER DIAGRAM.
- REFER TO SHEET E-701 FOR PANELBOARD SCHEDULES.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
- UNLESS NOTED OTHERWISE, DISCONNECT SWITCHES INDICATED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL WIRING AND CONDUIT AND MAKE ALL FINAL CONNECTIONS.
- 120/208V CIRCUITS: UNLESS NOTED OTHERWISE, NUMERAL SHOWN ADJACENT TO RECEPTACLES, JUNCTION BOXES OR EQUIPMENT INDICATES THE CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP2.
- FIRE ALARM AUDIO/VISUAL FIRE ALARM DEVICES SHALL BE CONNECTED TO THE NEW FACP PANEL LOCATED IN THE IT ROOM. DESIGNATION # ADJACENT TO DEVICE INDICATES CIRCUIT NUMBER. DETECTION DEVICES, INITIATING DEVICES AND MODULES SHALL BE CONNECTED TO THE NEW FACP LOCATED IN THE NEW CONTROL ROOM. FIRE ALARM CONDUITS AND JUNCTION BOXES SHALL BE PAINTED "FEDERAL SAFETY RED".
- TELECOM DEVICES: CONNECT TELE/DATA OUTLETS AND WIFI OUTLETS TO RELOCATED PATCH PANEL IN IT RACK LOCATED IN IT ROOM. ALL CABLES SHALL BE ROUTED IN 1-1/4" [35] MIN.
- THE CONTRACTOR SHALL PROVIDE A COORDINATION DRAWING FOR THE NEW ELECTRICAL ROOM AS A SUBMITTAL INDICATING ALL EQUIPMENT AND INCOMING AND OUTGOING CONDUITS. SHOW ALL CLEARANCES AND DIMENSIONS OF EQUIPMENT.



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.		<b>CONSULTANTS</b> <b>HAZARDOUS MATERIALS</b> MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONHAM, MA 02180 PHONE: (781)275-6959 <b>CIVIL/STRUCTURAL</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2891 <b>ARCHITECTURAL</b> OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100		<b>FIRE SUPPRESSION</b> KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246 <b>ELECTRONIC SECURITY</b> MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990 <b>PHYSICAL SECURITY</b> FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLSAIR BEACH, FL 33786 PHONE: (802)836-4232		<b>ENGINEER OF RECORD</b> <b>Miller-Remick LLC</b> M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-9002 MR PROJECT NO: 0499-0121		MILLER-REMICK LLC PROFESSIONAL ENGINEER 		<b>Office of Construction and Facilities Management</b> VA U.S. Department of Veterans Affairs		Drawing Title <b>ELECTRICAL ENLARGED CONTROL ROOM, IT ROOM &amp; SECURITY ROOM, PHASE 2</b> Approved: Project Director		Phase <b>100% BID SET</b> <b>FULLY SPRINKLERED</b>		Project Title <b>INSTALL NEW BOILERS IN BUILDING 13</b> Location <b>ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</b> Issue Date <b>2021-09-03</b> Checked ARH Drawn ARH		Project Number <b>589A7-18-302</b> Building Number <b>13</b> Drawing Number <b>13-E-401.02</b>	
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1 ENLARGED GENERATOR ROOM, PHASE 2  
SCALE: 1/2" = 1'-0"

SHEET KEYNOTES:

- 1. DIESEL GENERATOR FURNISHED, INSTALLED, TESTED AND COMMISSIONED BY CONTRACTOR...
2. PROVIDE THE FOLLOWING CONNECTIONS ASSOCIATED WITH THE NEW GENERATOR...
3. PROVIDE CRITICAL GRADE SILENCER COMPLETE WITH ALL REQUIRED PIPING...
4. PROVIDE FREE STANDING ATS WITH BYPASS ISOLATION...
5. PROVIDE 3-WAY MTS IN NEMA-3R ENCLOSURE...
6. INSTALL AND CONNECT BATTERY CHARGER PROVIDED WITH GENERATOR...
7. PROVIDE 120V CIRCUIT TO MOTOR OPERATED EXHAUST LOUVERS...
8. PROVIDE FLAME DETECTOR WITH MONITOR MODULE...
9. PROVIDE (2) FIRE ALARM MODULES...
10. PROVIDE (1) ADDRESSABLE RELAY MODULE...
11. PROVIDE (2) 120V CIRCUITS TO DAY TANK PUMP...
12. PROVIDE BAKED ENAMEL WARNING SIGN...
13. NEMA 4X JUNCTION BOX WITH GROUNDING ELECTRODE CONDUCTOR...
14. NEMA 4X JUNCTION BOX WITH (2) CONDUITS AND WIRING...
15. NEMA 4X JUNCTION BOX WITH (1) 2" [53] AND PULL STRING...
16. PROVIDE FIRE ALARM MODULE TO MONITOR GENERATOR SHUTDOWN...
17. PROVIDE MUSHROOM-TYPE EPO SWITCH...
18. PROVIDE HOA SWITCH AND CONNECT TO INDICATED CIRCUIT...
19. PROVIDE JUNCTION BOX WITH (2)#12 + (1) #12G IN 2" [53]...

GENERAL SHEET NOTES:

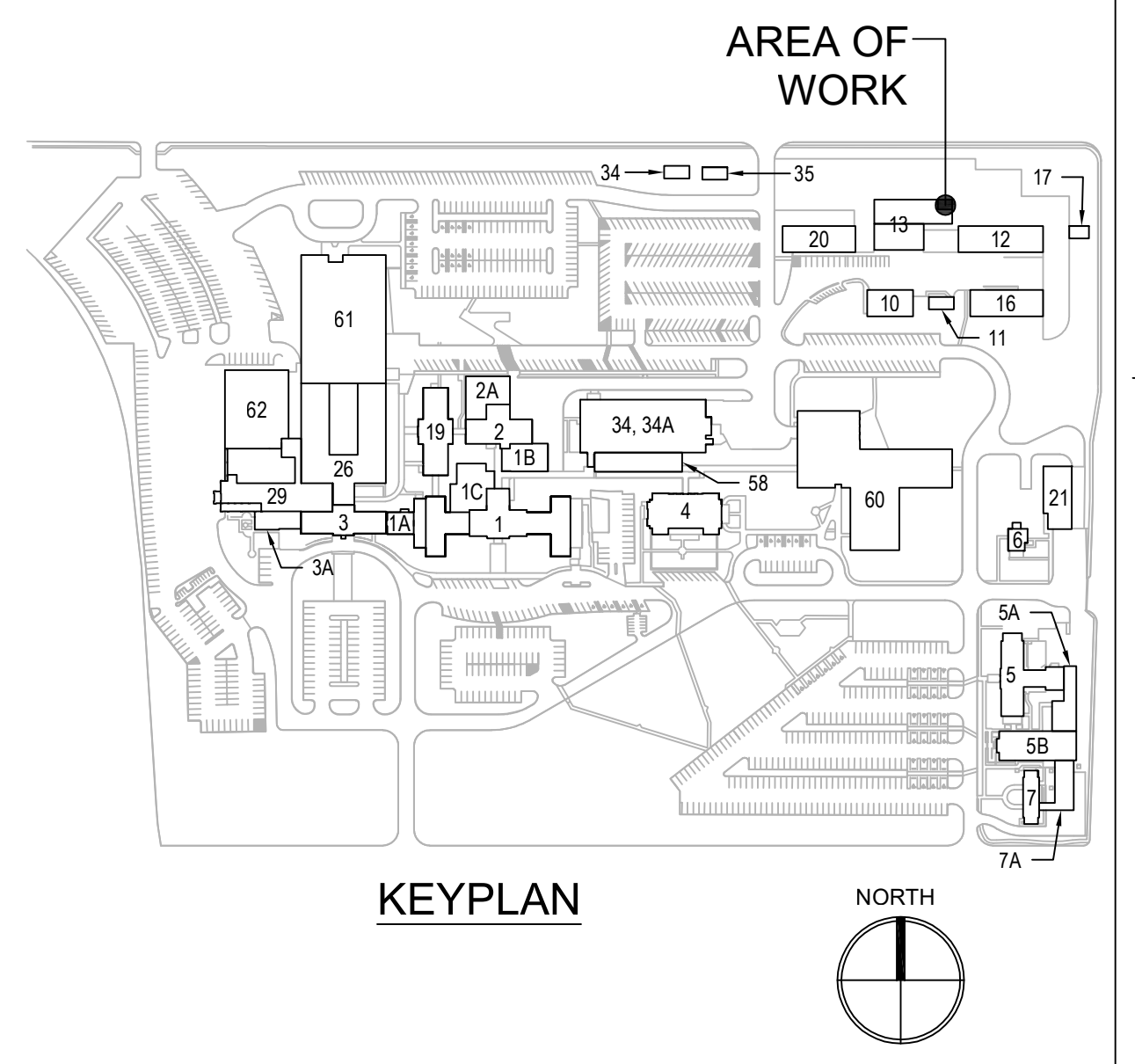
- 1. REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO SHEET 13-EP111.02 FOR LOCATION OF PANEL 13-ELP2, FACP AND IT RACK.
3. REFER TO SHEETS E-501 THROUGH E-506 FOR DETAILS.
4. REFER TO SHEET E-603 FOR NEW WORK SINGLE LINE DIAGRAM.
5. REFER TO SHEET E-604 FOR TELECOM RISER DIAGRAM.
6. REFER TO SHEET E-605 FOR FIRE ALARM RISER DIAGRAM.
7. REFER TO SHEET E-701 FOR PANELBOARD SCHEDULES.
8. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES...
9. UNLESS NOTED OTHERWISE, DISCONNECT SWITCHES INDICATED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR...
10. FIRE ALARM: AUDIO/VISUAL FIRE ALARM DEVICES SHALL BE CONNECTED TO THE NEW NAC PANEL...
11. TELECOM DEVICES: CONNECT TELE/DATA OUTLETS AND WIFI OUTLETS TO CORRESPONDING PATCH PANEL...
12. THE CONTRACTOR SHALL PROVIDE A COORDINATION DRAWING AS A SUBMITTAL...

GENERATOR SEQUENCE OF OPERATION:

THE FOLLOWING IS THE OVERALL SEQUENCE FOR TIME DELAY TRANSFER TO EMERGENCY POWER. HVAC EQUIPMENT WILL HAVE A TIME DELAY VIA THE BAS PANEL. THE STEAM GENERATION EQUIPMENT WILL HAVE A TIME DELAY VIA THE BOILER MASTER CONTROLLER...

- 1. STEP 1: LIGHTING FIXTURES AND RECEPTACLES (NO TIME DELAY ON PANELS)
2. STEP 2: STEAM GENERATION PUMPS (FWP, CRU, CTU). DELAY OF 20 SECONDS.
3. STEP 3: HVAC EQUIPMENT. DELAY OF 60 SECONDS.

THE BOILERS SHALL NOT AUTO-START AFTER LOSS OF NORMAL POWER AND TRANSFER TO EMERGENCY POWER. BOILERS MUST BE MANUALLY RESTARTED BY OPERATOR.



Scale indicators: three inches = one foot, one and one half inches = one foot, one inch = one foot, three quarters inch = one foot, one half inch = one foot, one quarter inch = one foot, one eighth inch = one foot

Grid lines: A, B, C, D, E, F, G, H, J, K, 7, 8, 9, 10

Table with 3 columns: NO., DESCRIPTION, DATE

CONSULTANTS table with columns for Hazardous Materials, Fire Suppression, Electronic Security, Architectural, and Physical Security.

Table with 2 columns: Fire Suppression (Koffel Associates, Magna Engineers) and Physical Security (Force Protect).

ENGINEER OF RECORD: Miller-Remick LLC, M.E.P. & Structural Engineering, A Service Disabled Veteran Owned Small Business.

MILLER-REMICK LLC PROFESSIONAL ENGINEER. License seal for Anthony D. Pacardo, Kansas, License No. 26413, dated 9.3.2021.

Office of Construction and Facilities Management, U.S. Department of Veterans Affairs.

Table with 2 columns: Drawing Title (ELECTRICAL ENLARGED GENERATOR ROOM PHASE 2) and Approved: Project Director.

Table with 2 columns: Phase (100% BID SET, FULLY SPRINKLERED).

Table with 3 columns: Project Title (INSTALL NEW BOILERS IN BUILDING 13), Location (ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS), Issue Date (2021-09-03), Checked (ARH), Drawn (ARH).

Table with 2 columns: Project Number (589A7-18-302), Building Number (13), Drawing Number (13-E-402.02).





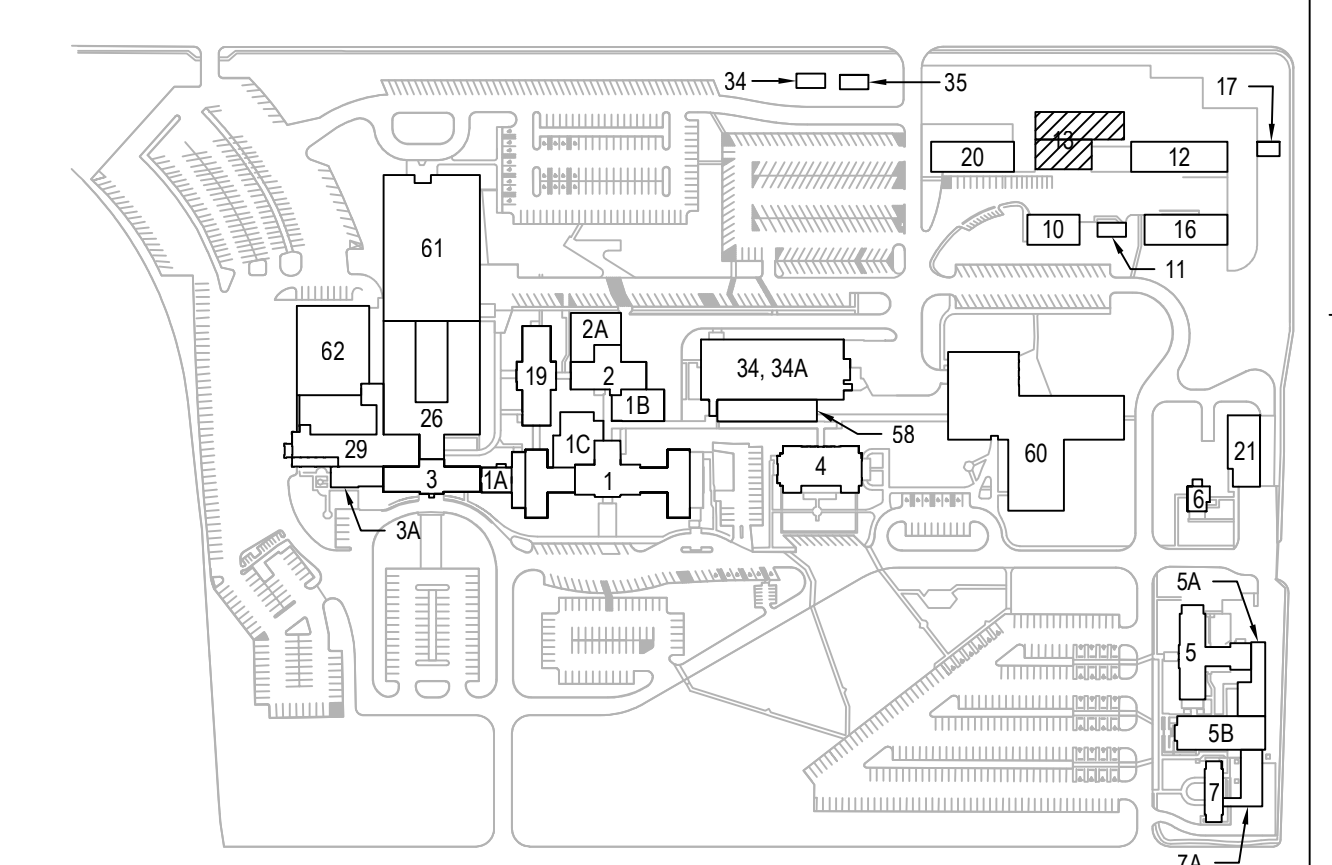


**GENERAL SHEET NOTES:**

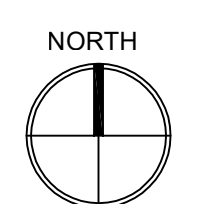
- PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL INSTALL ALL ELECTRICAL CONNECTIONS AND EQUIPMENT ASSOCIATED WITH THE RELOCATED UNDERGROUND FEEDERS. REFER TO SHEET E-101.
- REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO SHEET E-601 FOR DEMOLITION SINGLE LINE DIAGRAM.
- THE CONTRACTOR SHALL COORDINATE ELECTRICAL DEMOLITION OF BUILDING ARCHITECTURAL, PIPING AND MECHANICAL EQUIPMENT AS PER EACH DISCIPLINE DEMOLITION DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
- UNLESS NOTED OTHERWISE, ALL ITEMS SHOWN DASHED SHALL BE REMOVED INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
- CIRCUITS SHOWN AS DEMOLISHED SHALL INCLUDE THE REMOVAL OF ALL CONDUIT, WIRING AND CONNECTION TO EQUIPMENT, UNLESS NOTED OTHERWISE.
- REMOVE ALL EXPOSED ABANDONED AND EMPTY CONDUITS.
- EMBEDDED CONDUIT SHALL BE CUT TO 1" [27] BELOW TOP OF CONCRETE SURFACE. REMOVE ALL WIRING BACK TO SOURCE AND SEAL PENETRATIONS (WITH CONCRETE) AT BOTH ENDS.
- ALL WALL PENETRATIONS SHALL BE PATCHED UPON REMOVAL OF CONDUITS.
- THE CONTRACTOR SHALL NOTE THE PRESENCE OF ASBESTOS. REFER TO ACM DRAWINGS AND SPECIFICATIONS.
- NOT ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ARE SHOWN ON THE DEMOLITION PLANS. THE CONTRACTOR SHALL REMOVE ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ASSOCIATED WITH DEMOLISHED EQUIPMENT/DEVICES.

**SHEET KEYNOTES:**

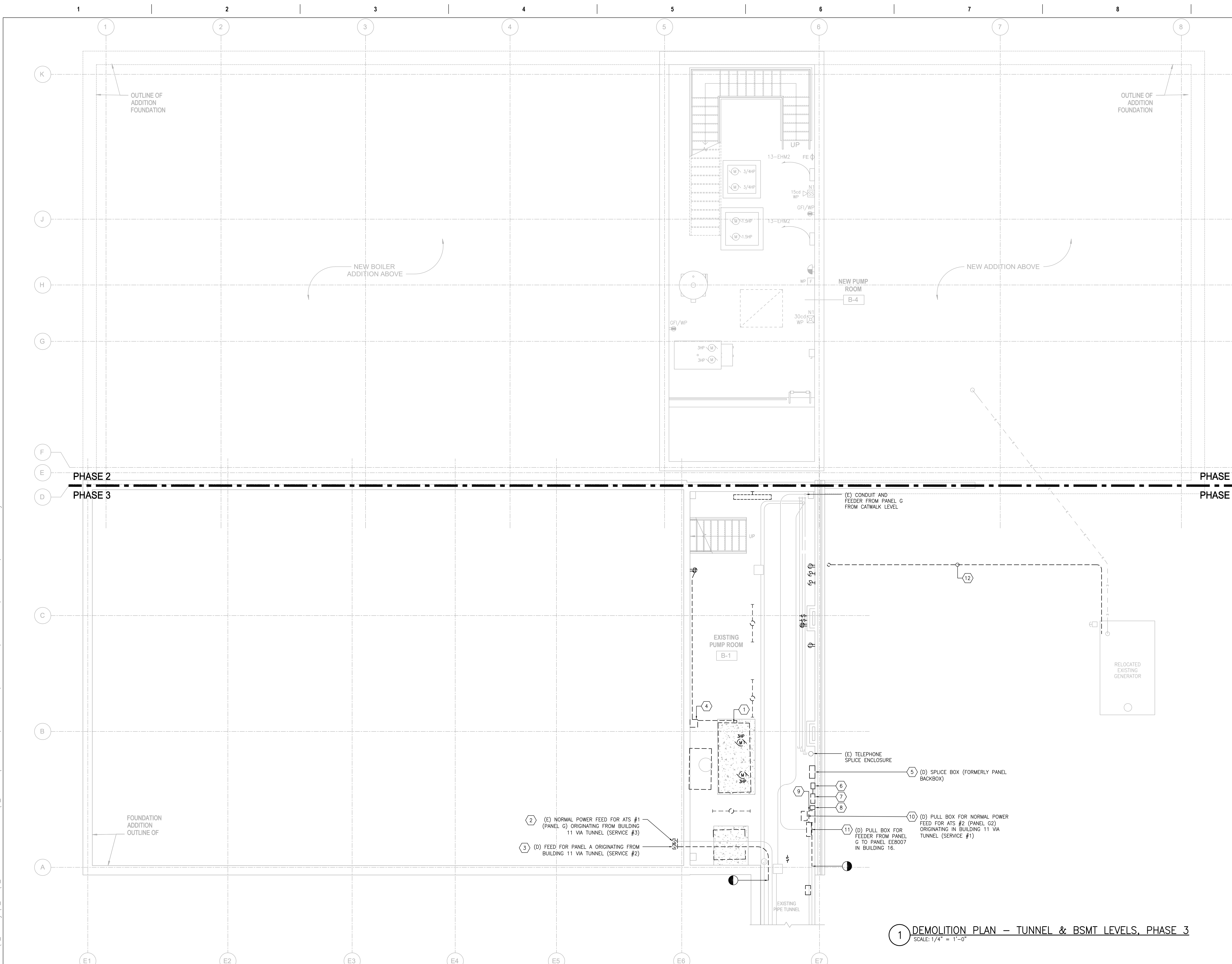
- DISCONNECT AND REMOVE CONNECTION AND CIRCUIT FROM PUMP/CONTROLLER BACK TO SOURCE (PANEL B). REFER TO SHEET 13-ED111.03 FOR LOCATION OF PANEL.
- EXISTING FEEDER IS ROUTED FROM INDICATED POINT VIA VERTICAL WIRE TROUGH AND CONDUIT TO AT#1. AT INDICATED POINT, PULL BACK THE EXISTING FEEDER, REMOVE WIRE TROUGH AND CONDUIT TO AT#1. FEEDER SHALL BE RE-ROUTED AS INDICATED ON SHEETS 13-EP101.03. FEEDER SHALL BE RE-UTILIZED TO FEED THE SAME AT# WHICH WILL BE RE-LOCATED TO THE NEW ELECTRICAL ROOM. REFER TO SHEET 13-EP121.03 FOR ROUTING AT CATWALK LEVEL.
- REMOVE EXISTING FEEDER IN ITS ENTIRETY. REMOVE INDICATED VERTICAL WIRE TROUGH. RETAIN CONDUIT FROM SOURCE (BUILDING 11) TO TUNNEL ENTRANCE. CAP CONDUIT AND LABEL SPARE AT BOTH ENDS.
- DISCONNECT AND REMOVE PUMP CONTROLLER AND ALL CONNECTIONS.
- DISCONNECT AND REMOVE PULL BOX (FORMERLY PANEL BACKBOX) AND ASSOCIATED CONDUITS AND CABLES:
  - 1/2" [13] WITH (2) #12 UP TO EXISTING CONTROL ROOM
  - 1-1/4" [35] TO WIRE TROUGH FACING PULL BOX
  - EMPTY 3/4" [21] EXITS THROUGH NE CORNER AND UP TO JUNCTION BOX SHOWN ON SHEET 13-ED111.01.
- REMOVE ABANDONED DISCONNECT SWITCH AND 1" [27] NIPPLE TO SPLICE BOX.
- DISCONNECT AND REMOVE SPLICE BOX (FORMERLY PANEL BACKBOX) AND ASSOCIATED CONDUITS AND WIRES:
  - (3) CONDUITS AND WIRES UP TO EXISTING CONTROL ROOM
  - (1) CONDUIT AND WIRES TO PANEL F
- REMOVE ABANDONED ENCLOSURE.
- EXISTING 15"x15"x6" [380x380x152] PULL BOX WITH CONDUIT AND FEEDER DOWN INTO PULL BOX BELOW AND CONDUIT AND FEEDER UP TO EXISTING AT#2. REMOVE PULL BOX AND ALL ASSOCIATED CONDUITS AND FEEDERS.
- REMOVE EXISTING 10"x10"x4" [254x254x102] PULL BOX WITH AND ASSOCIATED FEEDER BACK TO SOURCE. RETAIN CONDUIT FROM SOURCE (BUILDING 11) TO INDICATED POINT. REFER TO SHEET 13-EP101.03 FOR ROUTING OF NEW FEEDER THAT WILL SERVE EXISTING PANEL D LOCATED IN BUILDING 20.
- REMOVE EXISTING 18"x18"x6" [458x458x152] PULL BOX WITH CONDUIT AND FEEDER FROM SOURCE (BUILDING 13) TO BUILDING 16. RETAIN ALL CONDUITS AND FEEDERS. FEEDER IS SPLICED WITHIN PULL BOX. REFER TO SHEET 13-EP101.3.
- DISCONNECT AND REMOVE TEMPORARY GENERATOR FEEDER, MONITORING CIRCUITS. START CIRCUIT AND 120V CIRCUITS.



**KEYPLAN**



**1 DEMOLITION PLAN – TUNNEL & BSMT LEVELS, PHASE 3**  
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

**CONSULTANTS**

<p><b>HAZARDOUS MATERIALS</b> MABBETT &amp; ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6550</p>	<p><b>FIRE SUPPRESSION</b> KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246</p>
<p><b>CIVIL/STRUCTURAL</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2881</p>	<p><b>ELECTRONIC SECURITY</b> MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990</p>
<p><b>ARCHITECTURAL</b> OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100</p>	<p><b>PHYSICAL SECURITY</b> FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLESAIR BEACH, FL 33786 PHONE: (802)836-4232</p>

**ENGINEER OF RECORD**

<p><b>Miller-Remick LLC</b> M.E.P. &amp; Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-9002 MR PROJECT NO: 0499-0121</p>	<p>MILLER-REMICK LLC PROFESSIONAL ENGINEER ANTHONY D. PACIARO LICENSED PROFESSIONAL ENGINEER KANSAS 26413 01.3.2021</p>
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**Office of Construction and Facilities Management**

U.S. Department of Veterans Affairs

<p>Drawing Title <b>ELECTRICAL DEMOLITION PLAN TUNNEL &amp; BSMT LEVELS, PHASE 3</b></p>	<p>Phase <b>100% BID SET</b></p>
<p>Approved: Project Director</p>	<p><b>FULLY SPRINKLERED</b></p>

<p>Project Title <b>INSTALL NEW BOILERS IN BUILDING 13</b></p>	<p>Project Number <b>589A7-18-302</b></p>
<p>Location <b>ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</b></p>	<p>Building Number <b>13</b></p>
<p>Issue Date <b>2021-09-03</b></p>	<p>Drawing Number <b>13-ED101.03</b></p>

<p>Checked <b>ARH</b></p>	<p>Drawn <b>ARH</b></p>
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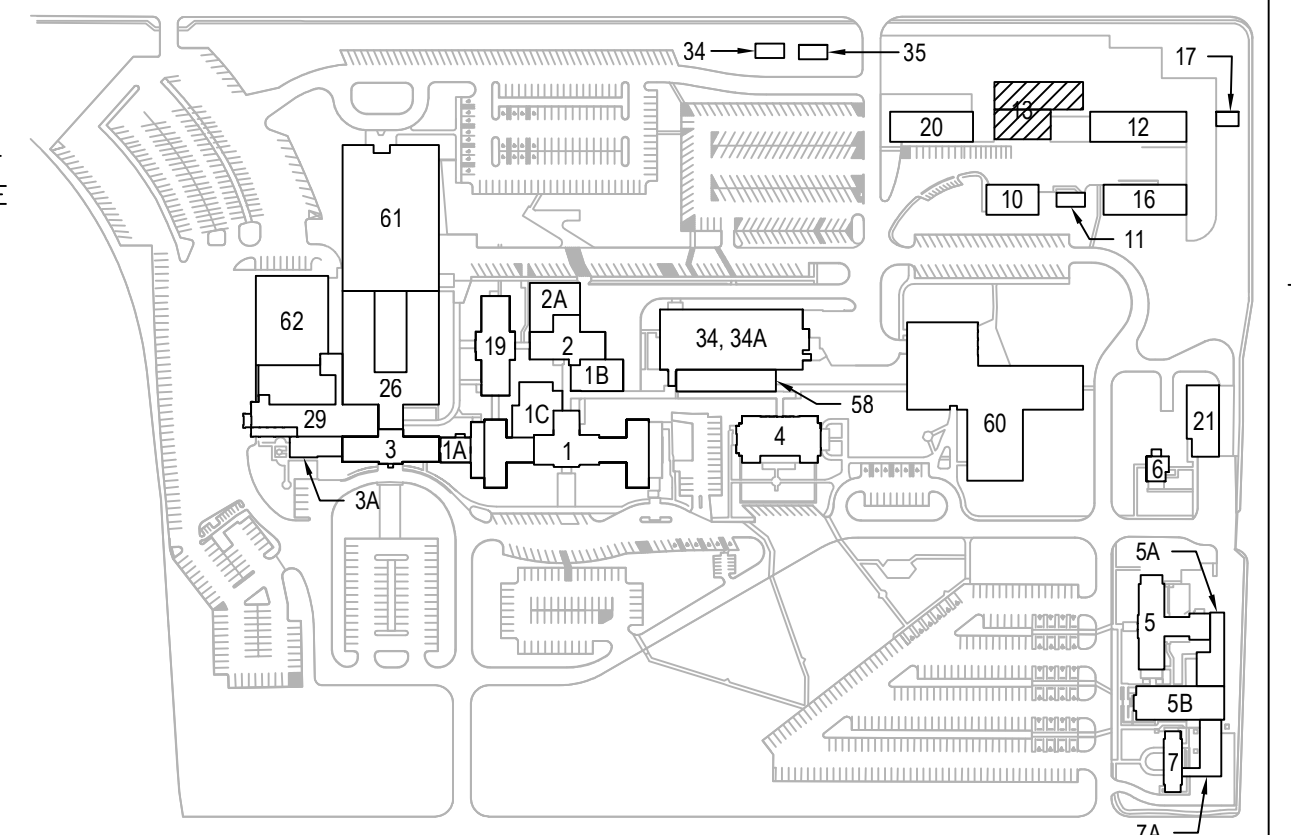


**SHEET KEYNOTES:**

- DISCONNECT AND RELOCATE EXISTING ATS#1 TO ELECTRICAL ROOM. REFER TO SHEET 13-EP111.03 FOR NEW LOCATION OF ATS.
- DISCONNECT AND REMOVE WALL-MOUNTED CATV CABINET. DISCONNECT AND RELOCATE CATV AMPLIFIER TO SECURITY ROOM. REFER TO SHEET 13-E-401.02 FOR NEW LOCATION OF AMPLIFIER.
- DISCONNECT AND REMOVE BOILER AND ALL APPURTENANCES INCLUDING CONTROL PANEL, VALVES, GAUGES, METERS, EPO'S, WIRE TROUGHS, JUNCTION BOXES, PULL BOXES AND DISCONNECT SWITCHES. REMOVE ALL CONDUITS AND WIRES ASSOCIATED WITH DEVICES ON BOILER, BOILER CONTROL PANEL AND STACK.
- DISCONNECT AND REMOVE COMBINATION STARTER DISCONNECT SWITCHES AND ASSOCIATED WIRE TROUGH, CONDUITS, WIRES AND CONNECTIONS TO BOILER FEED WATER PUMPS. REMOVE CIRCUIT BACK TO PANEL "G".
- DISCONNECT AND REMOVE DISCONNECT SWITCHES AND ASSOCIATED CONDUITS, WIRES AND CONNECTIONS TO CONTROL PANEL AND PUMPS FOR RO TANK. REMOVE CIRCUIT BACK TO PANEL "G2".
- DISCONNECT AND REMOVE TEMPORARY EQUIPMENT INSTALLED UNDER PHASE 1. REFER TO SHEET 13-EP111.01.
- DISCONNECT AND REMOVE CONNECTION TO WATER HEATER.
- DISCONNECT AND REMOVE PANEL AND ALL ASSOCIATED CONDUITS AND WIRES UNLESS NOTED OTHERWISE.
- REMOVE FLOOR-MOUNTED WIRE TROUGH AND ALL ASSOCIATED CONDUITS AND FEEDERS.
- DISCONNECT AND REMOVE MASTER BOILER CONTROLLER AND ALL ASSOCIATED CONDUITS AND WIRING:
  - (1) 3/4" [2] AND WIRING TO EACH OF THE BOILERS
  - (2) 3/4" [2] WITH WIRING TO RO SYSTEM
  - (1) 3/4" [2] WITH WIRING TO GAS MAIN NEAR PANEL A
  - (1) 1" [2] WITH WIRING TO KRAL PANEL NEAR PANEL F
  - (3) 3/4" [2] WITH WIRING UP TO CATWALK LEVEL
  - (1) 3/4" [2] WITH WIRING TO METERS IN TUNNEL
  - (1) 3/4" [2] WITH WIRING TO EXISTING PUMP ROOM
- DISCONNECT AND REMOVE ATS AND ALL ASSOCIATED CONDUITS AND FEEDERS.
- DISCONNECT AND REMOVE ENCLOSURE AND ALL ASSOCIATED CONDUITS AND WIRES.
- DISCONNECT AND REMOVE CONTROL PANEL, VFD AND ALL ASSOCIATED CONDUITS AND WIRES.
- DISCONNECT AND REMOVE DISCONNECT SWITCH, ENCLOSED BREAKER, BOOST TRANSFORMERS, WIRE TROUGH, CONDUITS AND FEEDERS ASSOCIATED WITH EXISTING RELOCATED GENERATOR.
- DISCONNECT AND REMOVE UNIT HEATER DISCONNECT SWITCH AND ASSOCIATED CONDUIT AND WIRES.
- DISCONNECT AND REMOVE CONNECTIONS TO "EMAX" PANEL.
- DISCONNECT AND REMOVE FUEL OIL PUMP DISCONNECT SWITCH, CONDUITS AND WIRES.
- REMOVE CONNECTION AND DISCONNECT SWITCH ASSOCIATED WITH FLOOD PUMP. PUMP SHALL BE RELOCATED TO THE NEW PUMP ROOM. SEE SHEET EP101.03 FOR NEW LOCATION.
- DISCONNECT AND RELOCATE EXISTING AIR COMPRESSOR. REFER TO SHEET 13-EP111.03 FOR NEW LOCATION. REMOVE ASSOCIATED DISCONNECT SWITCH AND ALL CONDUIT AND WIRING.
- DISCONNECT AND REMOVE STARTERS AND CONTROLLERS OF PUMPS IN BASEMENT.
- DISCONNECT AND REMOVE ENERGY MANAGEMENT SYSTEM (EMS) PANEL IN NEW CONTROL ROOM DURING PHASE 2. REFER TO SHEET 13-E-401.01.
- DISCONNECT AND REMOVE FAC. EXTEND ALL EXISTING OUTGOING CIRCUITS TO THE NEW FAC. REFER TO SHEET 13-EP121.03 FOR LOCATION OF NEW FAC.
- DISCONNECT AND RELOCATE EXISTING VEEDER ROOT PANEL TO THE NEW CONTROL ROOM. EXTEND ALL WIRING AND MAKE FINAL CONNECTIONS; NEW WIRING SHALL MATCH EXISTING.
- DISCONNECT AND REMOVE FUEL OIL CONTROL PANEL (KRAL).
- DISCONNECT AND REMOVE HEAD END CAMERA EQUIPMENT AND ALL ASSOCIATED CAMERAS, CONDUITS AND CABLES.
- FOR EACH OF THE FOLLOWING SYSTEMS, THE CONTRACTOR SHALL DISCONNECT AND REMOVE/RELOCATE AS INDICATED. ASSOCIATE CONDUIT(S) SHALL BE EXTENDED TO NEW LOCATION AS NEEDED AND PROVIDED WITH WIRING TO MATCH EXISTING. REMOVE TOWER UPS'S.
  - VEEDER ROOT WORKSTATION: RELOCATE TO NEW CONTROL ROOM.
  - ENERGY MANAGEMENT SYSTEM (EMS) WORKSTATION: RELOCATE TO NEW CONTRACTOR'S TOUCHDOWN.
  - FIRE ALARM WORKSTATION: RELOCATE TO NEW CONTRACTOR'S TOUCHDOWN.
- FOR EACH OF THE FOLLOWING EQUIPMENT, THE CONTRACTOR SHALL DISCONNECT AND REMOVE/RELOCATE AS INDICATED. ASSOCIATE CONDUIT(S) SHALL BE EXTENDED TO NEW LOCATION AS NEEDED AND PROVIDED WITH WIRING TO MATCH EXISTING.
  - LCD MONITOR FOR FIRE ALARM SYSTEM: RELOCATE TO FIRE ALARM WORKSTATION IN CONTRACTOR TD. REFER TO SHEET 13-EP111.03.
  - MEDGAS ANNUNCIATOR: RELOCATE TO NEW CONTROL ROOM. REFER TO SHEET 13-E-401.02.
  - FIRE ALARM ANNUNCIATOR: DISCONNECT AND TURN OVER TO OWNER.
  - HONEYWELL FIRE ALARM ANNUNCIATOR (RED): DISCONNECT AND TURN OVER TO OWNER.
  - MULTIFLEX SKIMMER: DISCONNECT AND REMOVE.
- DISCONNECT AND REMOVE WIRELESS MEDGAS PANEL TO NEW CONTROL ROOM. REFER TO SHEET 13-E-401.02.
- DISCONNECT AND REMOVE REMOTE ANNUNCIATOR PANEL ASSOCIATED WITH RELOCATED GENERATOR. REFER TO SHEET 13-E-401.02 FOR NEW LOCATION OF ANNUNCIATOR PANEL. DISCONNECT AND REMOVE EXISTING PULL BOX AND ALL CONDUITS AND WIRING.
- DISCONNECT AND REMOVE IT EQUIPMENT AND WALL-MOUNTED RACK. TURN OVER TO OWNER. FIBER OPTIC CABLE IS ROUTED THROUGH TUNNEL. REFER TO SITE PLAN FOR SCOPE OF WORK ASSOCIATED WITH CABLE.
- DISCONNECT AND REMOVE TELEPHONE CABINET AND ALL ASSOCIATED CONDUITS AND CABLES.
- DISCONNECT AND REMOVE TELEPHONE CABLE BACK TO EXISTING TELEPHONE CABINET IN EXISTING CONTROL ROOM. RETAIN EMERGENCY CALL BOX FOR RECONNECTION.

**GENERAL SHEET NOTES:**

- PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL INSTALL ALL ELECTRICAL CONNECTIONS AND EQUIPMENT ASSOCIATED WITH THE RELOCATED UNDERGROUND FEEDERS. REFER TO SHEET ES101.
- REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO SHEET E-601 FOR DEMOLITION SINGLE LINE DIAGRAM.
- REFER TO SHEET E-605 FOR FIRE ALARM PHASING NOTES.
- THE CONTRACTOR SHALL COORDINATE ELECTRICAL DEMOLITION OF BUILDING ARCHITECTURAL, PIPING AND MECHANICAL EQUIPMENT AS PER EACH DISCIPLINE DEMOLITION DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
- UNLESS NOTED OTHERWISE, ALL ITEMS SHOWN DASHED SHALL BE REMOVED INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
- CIRCUITS SHOWN AS DEMOLISHED SHALL INCLUDE THE REMOVAL OF ALL CONDUIT, WIRING AND CONNECTION TO EQUIPMENT, UNLESS NOTED OTHERWISE.
- REMOVE ALL EXPOSED ABANDONED AND EMPTY CONDUITS.
- EMBEDDED CONDUIT SHALL BE CUT TO 1" [27] BELOW TOP OF CONCRETE SURFACE. REMOVE ALL WIRING BACK TO SOURCE AND SEAL PENETRATIONS (WITH CONCRETE) AT BOTH ENDS.
- ALL WALL PENETRATIONS SHALL BE PATCHED UPON REMOVAL OF CONDUITS.
- THE CONTRACTOR SHALL NOTE THE PRESENCE OF ASBESTOS. REFER TO ACM DRAWINGS AND SPECIFICATIONS.
- NOT ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ARE SHOWN ON THE DEMOLITION PLANS. THE CONTRACTOR SHALL REMOVE ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ASSOCIATED WITH DEMOLISHED EQUIPMENT/DEVICES.



**1 DEMOLITION PLAN – SHOP & MAIN LEVELS, PHASE 3**  
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

**CONSULTANTS**

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**ELECTRONIC SECURITY**  
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**PHYSICAL SECURITY**  
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9.3.2021

**Office of Construction and Facilities Management**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**ELECTRICAL DEMOLITION PLAN SHOP & MAIN LEVELS, PHASE 3**

Approved: Project Director

Phase  
**100% BID SET**

**FULLY SPRINKLERED**

Project Title  
**INSTALL NEW BOILERS IN BUILDING 13**

Location  
**ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS**

Issue Date  
**2021-09-03**

Checked  
**ARH**

Drawn  
**ARH**

Project Number  
**589A7-18-302**

Building Number  
**13**

Drawing Number  
**13-ED111.03**

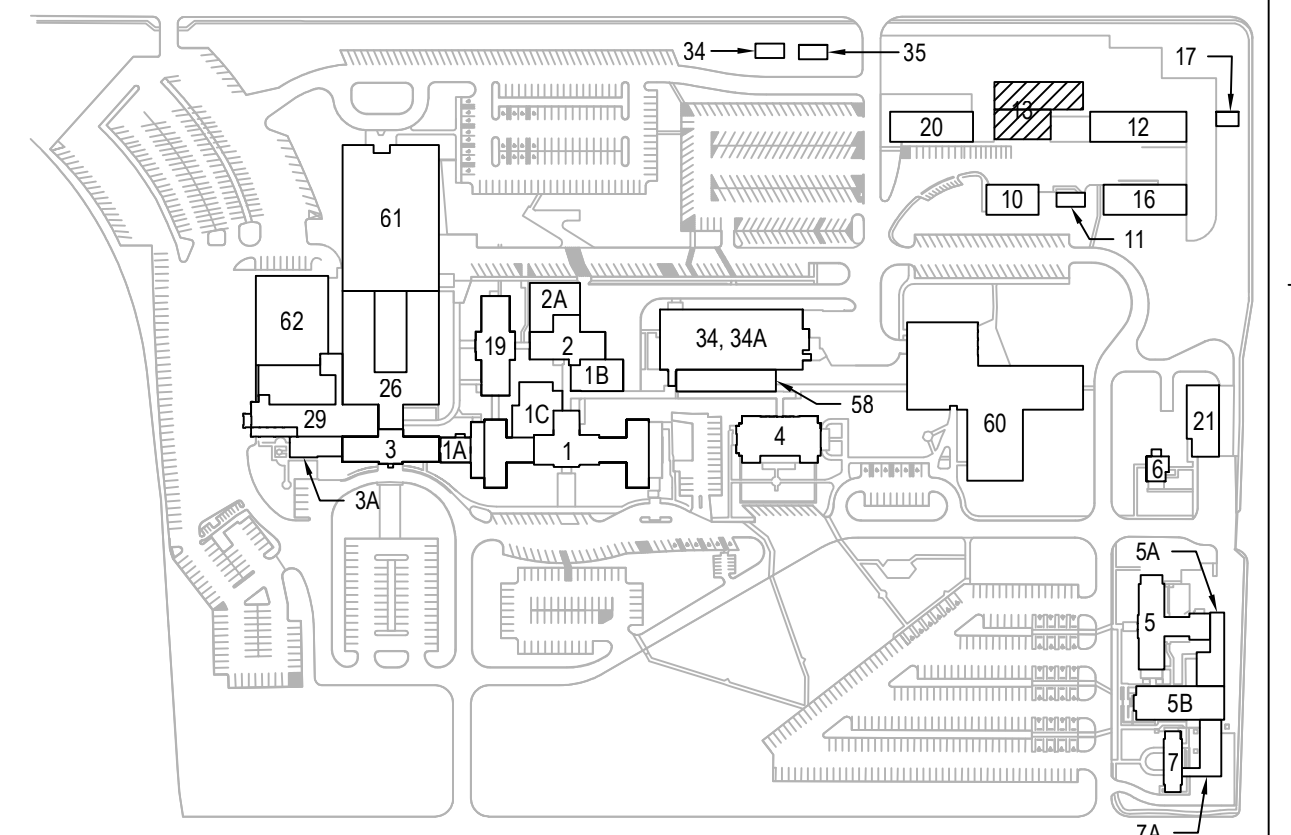
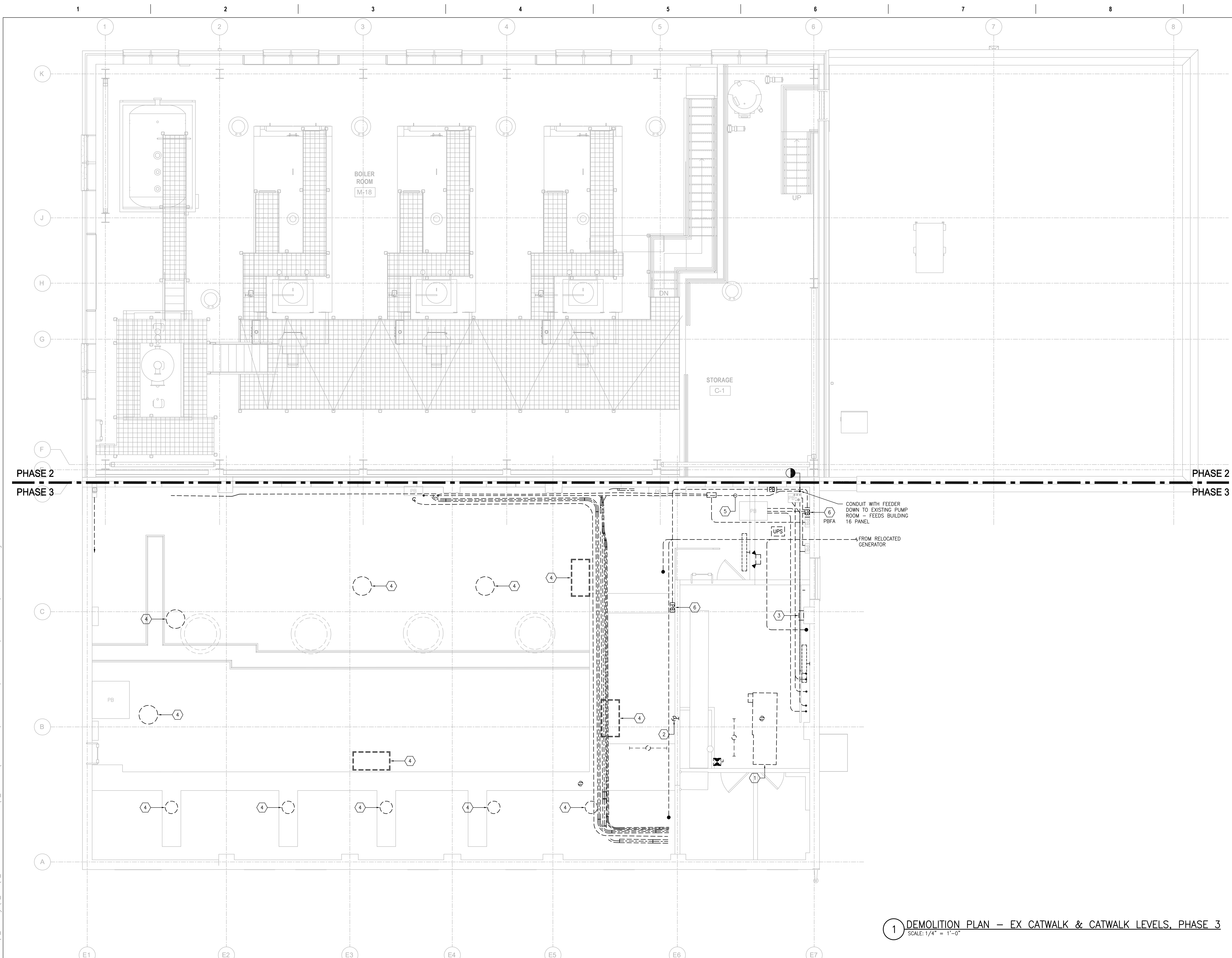


**GENERAL SHEET NOTES:**

1. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL INSTALL ALL ELECTRICAL CONNECTIONS AND EQUIPMENT ASSOCIATED WITH THE RELOCATED UNDERGROUND FEEDERS. REFER TO SHEET ES101.
2. REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
3. REFER TO SHEET ES100 FOR SITE PLAN SHOWING ROUTING OF DEMOLISHED CONDUITS.
4. REFER TO SHEET E-601 FOR DEMOLITION SINGLE LINE DIAGRAM.
5. THE CONTRACTOR SHALL COORDINATE ELECTRICAL DEMOLITION OF BUILDING ARCHITECTURAL, PIPING AND MECHANICAL EQUIPMENT AS PER EACH DISCIPLINE DEMOLITION DRAWINGS.
6. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
7. UNLESS NOTED OTHERWISE, ALL ITEMS SHOWN DASHED SHALL BE REMOVED INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
8. CIRCUITS SHOWN AS DEMOLISHED SHALL INCLUDE THE REMOVAL OF ALL CONDUIT, WIRING AND CONNECTION TO EQUIPMENT, UNLESS NOTED OTHERWISE.
9. REMOVE ALL EXPOSED ABANDONED AND EMPTY CONDUITS.
10. EMBEDDED CONDUIT SHALL BE CUT TO 1" [27] BELOW TOP OF CONCRETE SURFACE. REMOVE ALL WIRING BACK TO SOURCE AND SEAL PENETRATIONS (WITH CONCRETE) AT BOTH ENDS.
11. ALL WALL PENETRATIONS SHALL BE PATCHED UPON REMOVAL OF CONDUITS.
12. THE CONTRACTOR SHALL NOTE THE PRESENCE OF ASBESTOS. REFER TO ACM DRAWINGS AND SPECIFICATIONS.
13. NOT ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ARE SHOWN ON THE DEMOLITION PLANS. THE CONTRACTOR SHALL REMOVE ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ASSOCIATED WITH DEMOLISHED EQUIPMENT/DEVICES.

**SHEET KEYNOTES:**

1. DISCONNECT AND REMOVE HVAC UNIT AND ASSOCIATED CONDUIT AND WIRES BACK TO SOURCE. REMOVE ASSOCIATED DISCONNECT SWITCH.
2. DISCONNECT AND REMOVE RECEPTACLE MOUNTED TO OVERHEAD CATWALK.
3. DISCONNECT AND REMOVE SECURITY PANEL AND CIRCUIT BACK TO SOURCE.
4. DISCONNECT AND REMOVE LIGHTING FIXTURE AND ASSOCIATED SUPPORTS, RECEPTACLE, CONDUIT AND WIRING BACK TO SOURCE.
5. REMOVE PORTION OF CONDUIT AND FEEDER BACK TO PANEL G. FEEDER SERVES EXISTING PANEL IN BUILDING 16. CONDUIT AND FEEDER ROUTED THROUGH TUNNEL.
6. REMOVE PULL BOX AND ALL CONDUITS AND WIRES (FIRE ALARM) BACK TO EXISTING FAXP. RE-ROUTE WIRES AS NEEDED.



**1 DEMOLITION PLAN – EX CATWALK & CATWALK LEVELS, PHASE 3**  
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS	
<b>HAZARDOUS MATERIALS</b> <b>MABBETT &amp; ASSOCIATES, INC.</b> 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6550 <b>CIVIL/STRUCTURAL</b> <b>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.</b> 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)282-2881 <b>ARCHITECTURAL</b> <b>OCULUS INC.</b> 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100	<b>FIRE SUPPRESSION</b> <b>KOFFEL ASSOCIATES</b> 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246 <b>ELECTRONIC SECURITY</b> <b>MAGNA ENGINEERS</b> 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990 <b>PHYSICAL SECURITY</b> <b>FORCE PROTECT</b> 3210 GULF BLVD, UNIT 304, BELLEAIR BEACH, FL 33786 PHONE: (802)836-4232

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 MR PROJECT NO: 0499-0121

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 9.3.2021

**Office of Construction and Facilities Management**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**ELECTRICAL DEMOLITION PLAN EX CATWALK & CATWALK LEVELS, PH 3**

Approved: Project Director

Phase  
**100% BID SET**

**FULLY SPRINKLERED**

Project Title  
**INSTALL NEW BOILERS IN BUILDING 13**

Location  
 ROBERT J. DOLE VA MEDICAL CENTER  
 WICHITA, KANSAS

Issue Date  
 2021-09-03

Checked  
 ARH

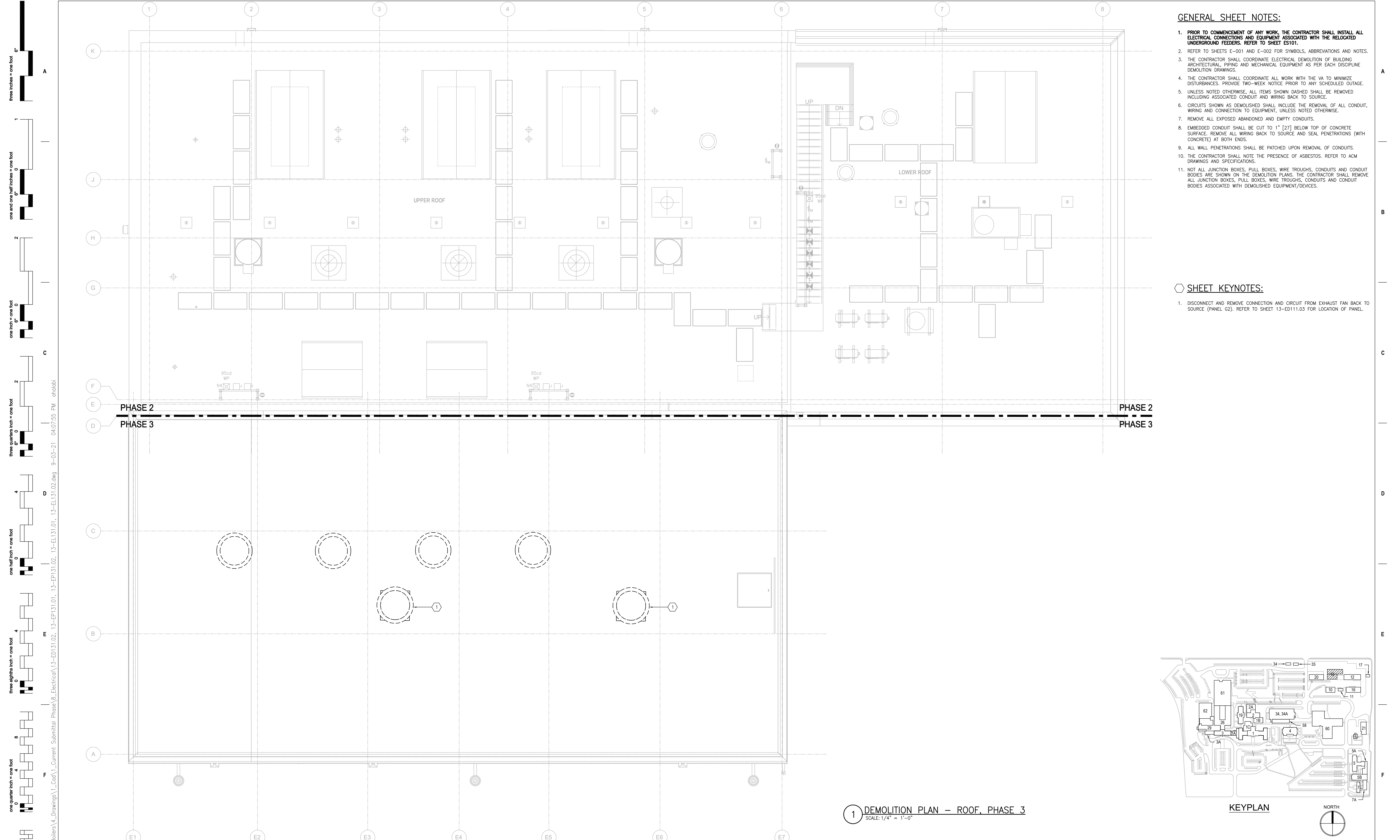
Drawn  
 ARH

Project Number  
**589A7-18-302**

Building Number  
**13**

Drawing Number  
**13-ED121.03**

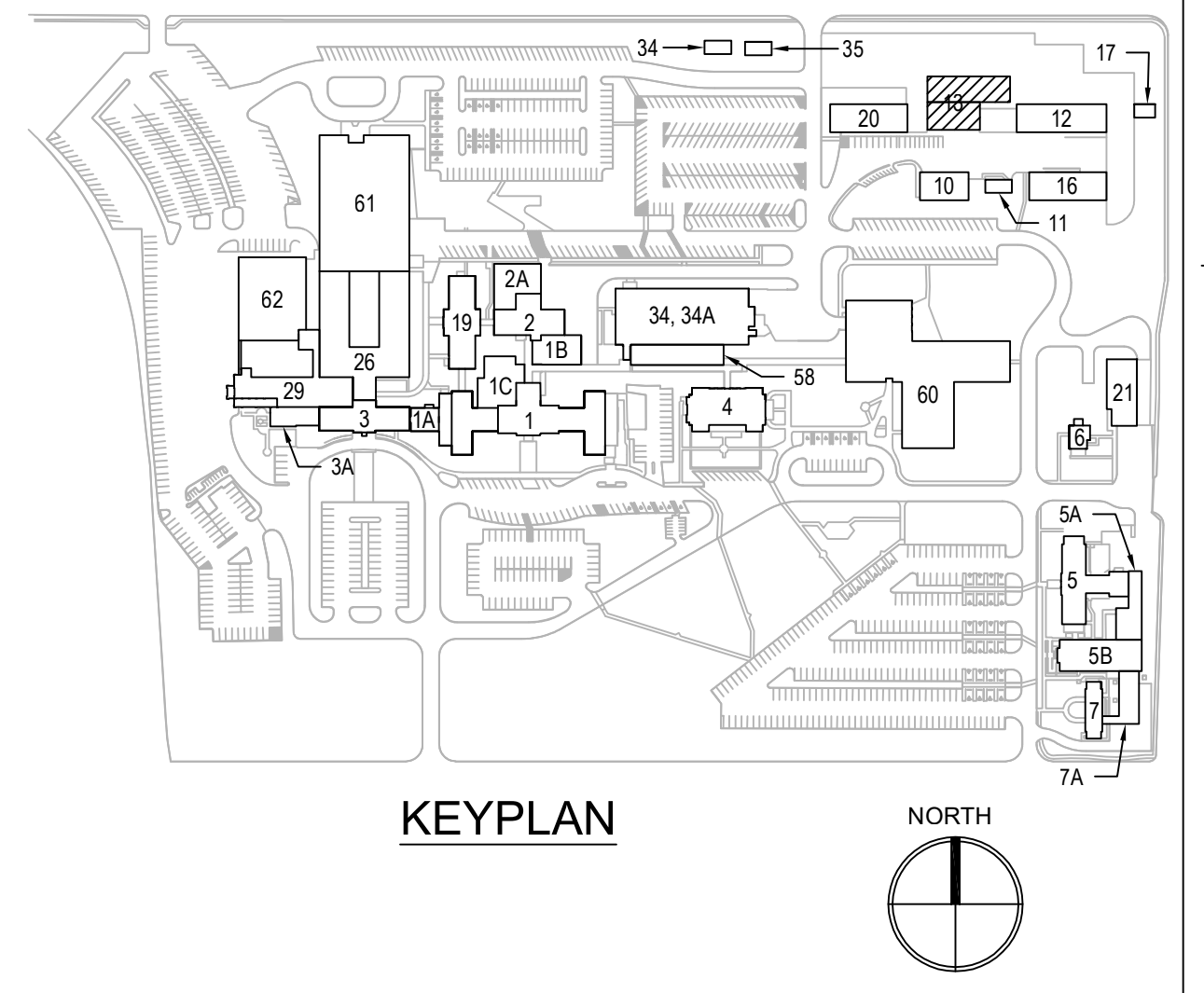




- GENERAL SHEET NOTES:**
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  2. REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
  3. THE CONTRACTOR SHALL COORDINATE ELECTRICAL DEMOLITION OF BUILDING ARCHITECTURAL, PIPING AND MECHANICAL EQUIPMENT AS PER EACH DISCIPLINE DEMOLITION DRAWINGS.
  4. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
  5. UNLESS NOTED OTHERWISE, ALL ITEMS SHOWN DASHED SHALL BE REMOVED INCLUDING ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
  6. CIRCUITS SHOWN AS DEMOLISHED SHALL INCLUDE THE REMOVAL OF ALL CONDUIT, WIRING AND CONNECTION TO EQUIPMENT, UNLESS NOTED OTHERWISE.
  7. REMOVE ALL EXPOSED ABANDONED AND EMPTY CONDUITS.
  8. EMBEDDED CONDUIT SHALL BE CUT TO 1" [27] BELOW TOP OF CONCRETE SURFACE. REMOVE ALL WIRING BACK TO SOURCE AND SEAL PENETRATIONS (WITH CONCRETE) AT BOTH ENDS.
  9. ALL WALL PENETRATIONS SHALL BE PATCHED UPON REMOVAL OF CONDUITS.
  10. THE CONTRACTOR SHALL NOTE THE PRESENCE OF ASBESTOS. REFER TO ACM DRAWINGS AND SPECIFICATIONS.
  11. NOT ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ARE SHOWN ON THE DEMOLITION PLANS. THE CONTRACTOR SHALL REMOVE ALL JUNCTION BOXES, PULL BOXES, WIRE TROUGHS, CONDUITS AND CONDUIT BODIES ASSOCIATED WITH DEMOLISHED EQUIPMENT/DEVICES.

- SHEET KEYNOTES:**
1. DISCONNECT AND REMOVE CONNECTION AND CIRCUIT FROM EXHAUST FAN BACK TO SOURCE (PANEL G2). REFER TO SHEET 13-ED111.03 FOR LOCATION OF PANEL.

1 DEMOLITION PLAN - ROOF, PHASE 3  
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

VA FORM 08-6231

CONSULTANTS	
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 9.3.2021

**Office of Construction and Facilities Management**

VA U.S. Department of Veterans Affairs

Drawing Title  
**ELECTRICAL DEMOLITION PLAN ROOF, PHASE 3**

Approved: Project Director

Phase  
 100% BID SET

FULLY SPRINKLERED

Project Title  
**INSTALL NEW BOILERS IN BUILDING 13**

Location  
 ROBERT J. DOLE VA MEDICAL CENTER  
 WICHITA, KANSAS

Issue Date  
 2021-09-03

Checked  
 ARH

Drawn  
 ARH

Project Number  
 589A7-18-302

Building Number  
 13

Drawing Number  
**13-ED131.03**

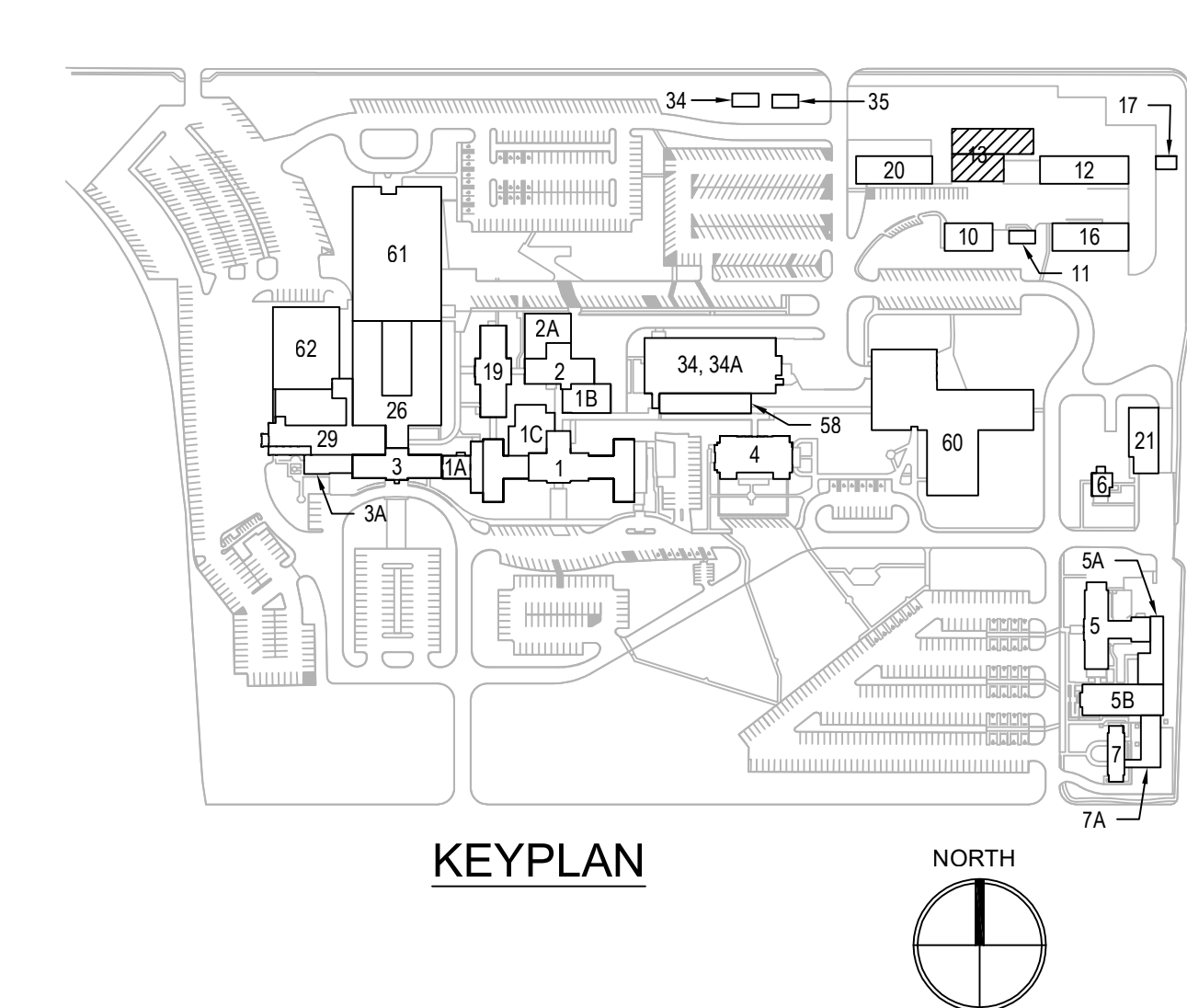


**GENERAL SHEET NOTES:**

- REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO SHEET 13-EL111.02 FOR LOCATION OF LIGHTING CONTROL PANEL 13-LCP IN ELECTRICAL ROOM.
- REFER TO SHEET 13-EL111.03 FOR LOCATION OF PANEL 13-ELP3.
- REFER TO SHEET E-705 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTROL SCHEDULE.
- LIGHTING FIXTURES AND EXIT SIGNS: UNLESS NOTED OTHERWISE, NUMERAL ADJACENT TO LIGHTING FIXTURE OR EXIT SIGN INDICATES CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP3.
- EMERGENCY LIGHTING FIXTURES (SHOWN AS HALF SHADED) SHALL BE CONTROLLED LOCALLY WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME SPACE. UPON LOSS OF POWER, THE EMERGENCY LIGHTING FIXTURES SHALL TURN ON.
- ALL LIGHTING FIXTURES INCLUDING EXTERIOR LIGHTING FIXTURES SHALL BE TIED INTO LIGHTING CONTROL PANEL 13-LCP LOCATED IN ELECTRICAL ROOM.
- LOCATION AND MOUNTING HEIGHT OF CHANNELS AND LIGHTING FIXTURES SHOWN IS APPROXIMATE; COORDINATED WITH OTHER TRADES.
- ALL DIMENSIONS NOTED ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
- DEVICES, ENCLOSURES AND ELECTRICAL EQUIPMENT BELOW FLOOD PLAIN: DEVICES SHALL BE PROVIDED IN WEATHERPROOF ENCLOSURES. ENCLOSURES SHALL BE GASKETED AND WEATHERPROOF NEMA 4X. ELECTRICAL EQUIPMENT SHALL BE PROVIDED IN A NEMA 4X ENCLOSURE AND ALL CONNECTIONS TO EQUIPMENT SHALL BE ROUTED IN LFMC. CONDUITS CONNECTED TO ENCLOSURE SHALL BE PROPERLY SEALED.

**SHEET KEYNOTES:**

- BOTTOM OF LIGHTING FIXTURE SHALL BE 10'-0" [3048] AFF. CEILING HEIGHT WITHIN SPACE IS 12'-0" [3658].
- MOUNT LIGHTING FIXTURE TO UNDERSIDE OF STAIR LANDING. UNDERSIDE OF STAIR LANDING IS 10'-0" [3048] AFF.
- INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT (TUNNEL LIGHTS) IN NEW GASKETED, WEATHERPROOF JUNCTION BOX AND EXTEND TO INDICATED CIRCUIT ORIGINATING FROM PANEL 13-ELP3. CONNECT TO ADJACENT WEATHERPROOF SWITCH MOUNTED AT 60" [1524] AFF AND LABEL SWITCH "TUNNEL LIGHTS".



**1 LIGHTING PLAN – TUNNEL & BSMT LEVELS, PHASE 3**  
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS	
<b>HAZARDOUS MATERIALS</b> MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6550 <b>CIVIL / STRUCTURAL</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)282-2881 <b>ARCHITECTURAL</b> OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100	<b>FIRE SUPPRESSION</b> KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246 <b>ELECTRONIC SECURITY</b> MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990 <b>PHYSICAL SECURITY</b> FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLESAIR BEACH, FL 33786 PHONE: (802)836-4232

**ENGINEER OF RECORD**

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 KANSAS  
 9.3.2021

**Office of Construction and Facilities Management**

**VA** U.S. Department of Veterans Affairs

Drawing Title <b>ELECTRICAL LIGHTING PLAN TUNNEL &amp; BSMT LEVELS, PHASE 3</b>
Approved: Project Director

Phase <b>100% BID SET</b>
<b>FULLY SPRINKLERED</b>

Project Title <b>INSTALL NEW BOILERS IN BUILDING 13</b>
Location <b>ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</b>
Issue Date <b>2021-09-03</b>
Checked <b>ARH</b>
Drawn <b>ARH</b>

Project Number <b>589A7-18-302</b>
Building Number <b>13</b>
Drawing Number <b>13-EL101.03</b>





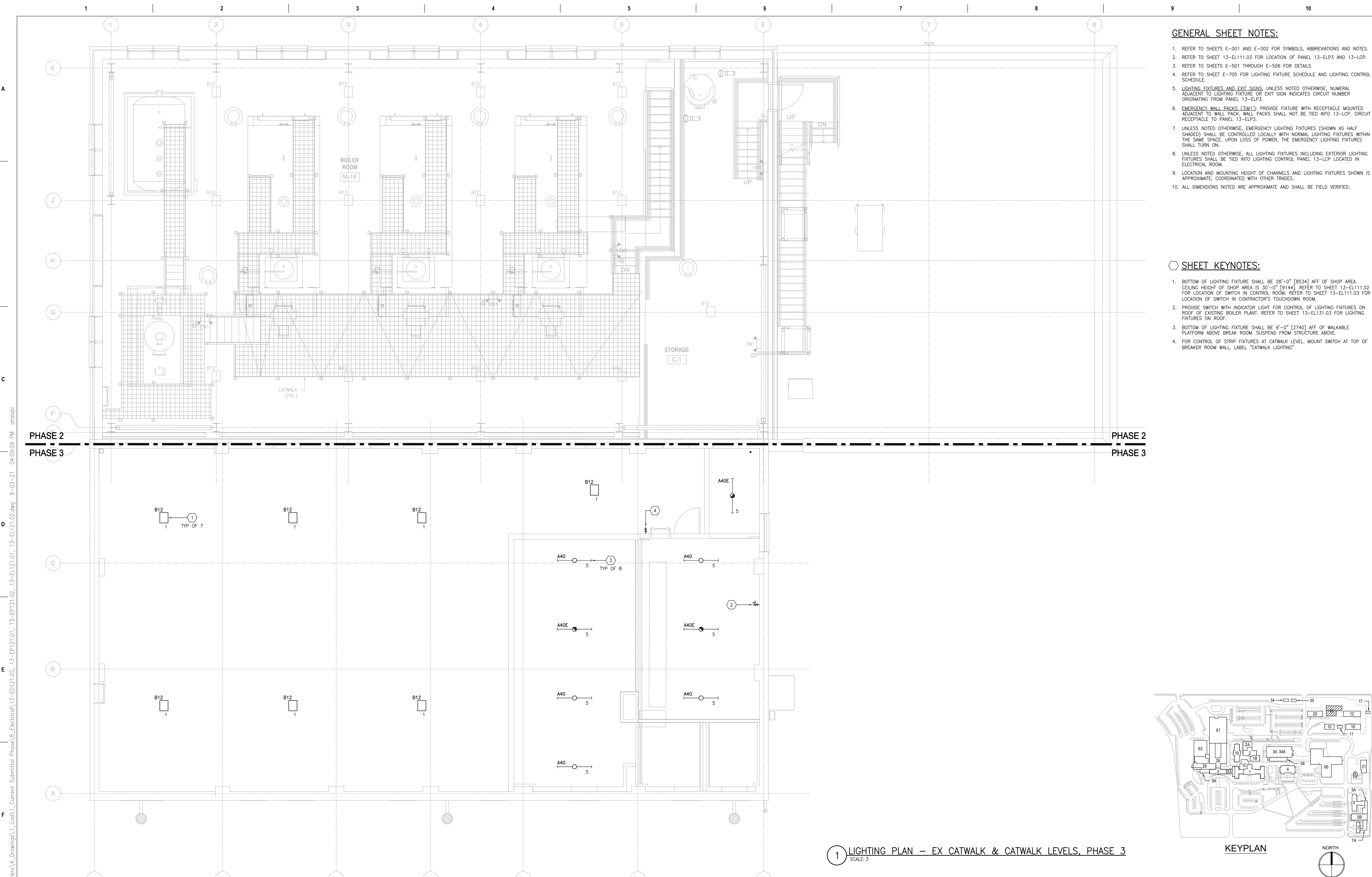


**GENERAL SHEET NOTES:**

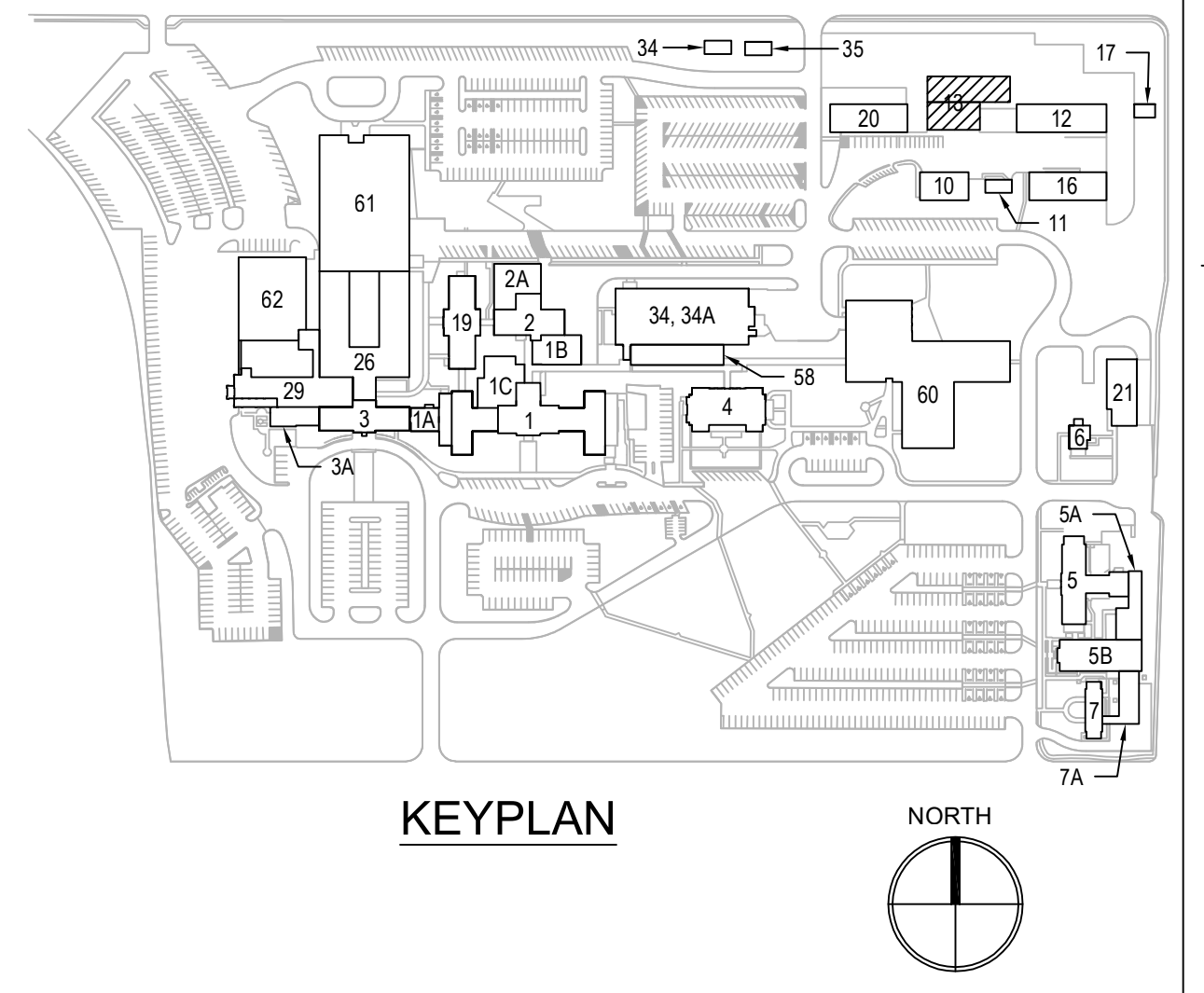
- REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO SHEET 13-EL111.03 FOR LOCATION OF PANEL 13-ELP3 AND 13-LCP.
- REFER TO SHEETS E-501 THROUGH E-506 FOR DETAILS.
- REFER TO SHEET E-705 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTROL SCHEDULE.
- LIGHTING FIXTURES AND EXIT SIGNS: UNLESS NOTED OTHERWISE, NUMERAL ADJACENT TO LIGHTING FIXTURE OR EXIT SIGN INDICATES CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP3.
- EMERGENCY WALL PACKS (EM1): PROVIDE FIXTURE WITH RECEPTACLE MOUNTED ADJACENT TO WALL PACK. WALL PACKS SHALL NOT BE TIED INTO 13-LCP. CIRCUIT RECEPTACLE TO PANEL 13-ELP3.
- UNLESS NOTED OTHERWISE, EMERGENCY LIGHTING FIXTURES (SHOWN AS HALF SHADED) SHALL BE CONTROLLED LOCALLY WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME SPACE. UPON LOSS OF POWER, THE EMERGENCY LIGHTING FIXTURES SHALL TURN ON.
- UNLESS NOTED OTHERWISE, ALL LIGHTING FIXTURES INCLUDING EXTERIOR LIGHTING FIXTURES SHALL BE TIED INTO LIGHTING CONTROL PANEL 13-LCP LOCATED IN ELECTRICAL ROOM.
- LOCATION AND MOUNTING HEIGHT OF CHANNELS AND LIGHTING FIXTURES SHOWN IS APPROXIMATE; COORDINATED WITH OTHER TRADES.
- ALL DIMENSIONS NOTED ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.

**SHEET KEYNOTES:**

- BOTTOM OF LIGHTING FIXTURE SHALL BE 28'-0" [8534] AFF OF SHOP AREA. CEILING HEIGHT OF SHOP AREA IS 30'-0" [9144]. REFER TO SHEET 13-EL111.02 FOR LOCATION OF SWITCH IN CONTROL ROOM. REFER TO SHEET 13-EL111.03 FOR LOCATION OF SWITCH IN CONTRACTOR'S TOUCHDOWN ROOM.
- PROVIDE SWITCH WITH INDICATOR LIGHT FOR CONTROL OF LIGHTING FIXTURES ON ROOF OF EXISTING BOILER PLANT. REFER TO SHEET 13-EL131.03 FOR LIGHTING FIXTURES ON ROOF.
- BOTTOM OF LIGHTING FIXTURE SHALL BE 9'-0" [2740] AFF OF WALKABLE PLATFORM ABOVE BREAK ROOM. SUSPEND FROM STRUCTURE ABOVE.
- FOR CONTROL OF STRIP FIXTURES AT CATWALK LEVEL. MOUNT SWITCH AT TOP OF BREAKER ROOM WALL. LABEL "CATWALK LIGHTING".



1 LIGHTING PLAN – EX CATWALK & CATWALK LEVELS, PHASE 3  
SCALE: 3/8"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

CONSULTANTS	
<b>HAZARDOUS MATERIALS</b> MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6550 <b>CIVIL/STRUCTURAL</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2881 <b>ARCHITECTURAL</b> OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100	<b>FIRE SUPPRESSION</b> KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246 <b>ELECTRONIC SECURITY</b> MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990 <b>PHYSICAL SECURITY</b> FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLSAIR BEACH, FL 33786 PHONE: (602)836-4232

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 KANSAS  
 9.3.2021

**Office of Construction and Facilities Management**

VA U.S. Department of Veterans Affairs

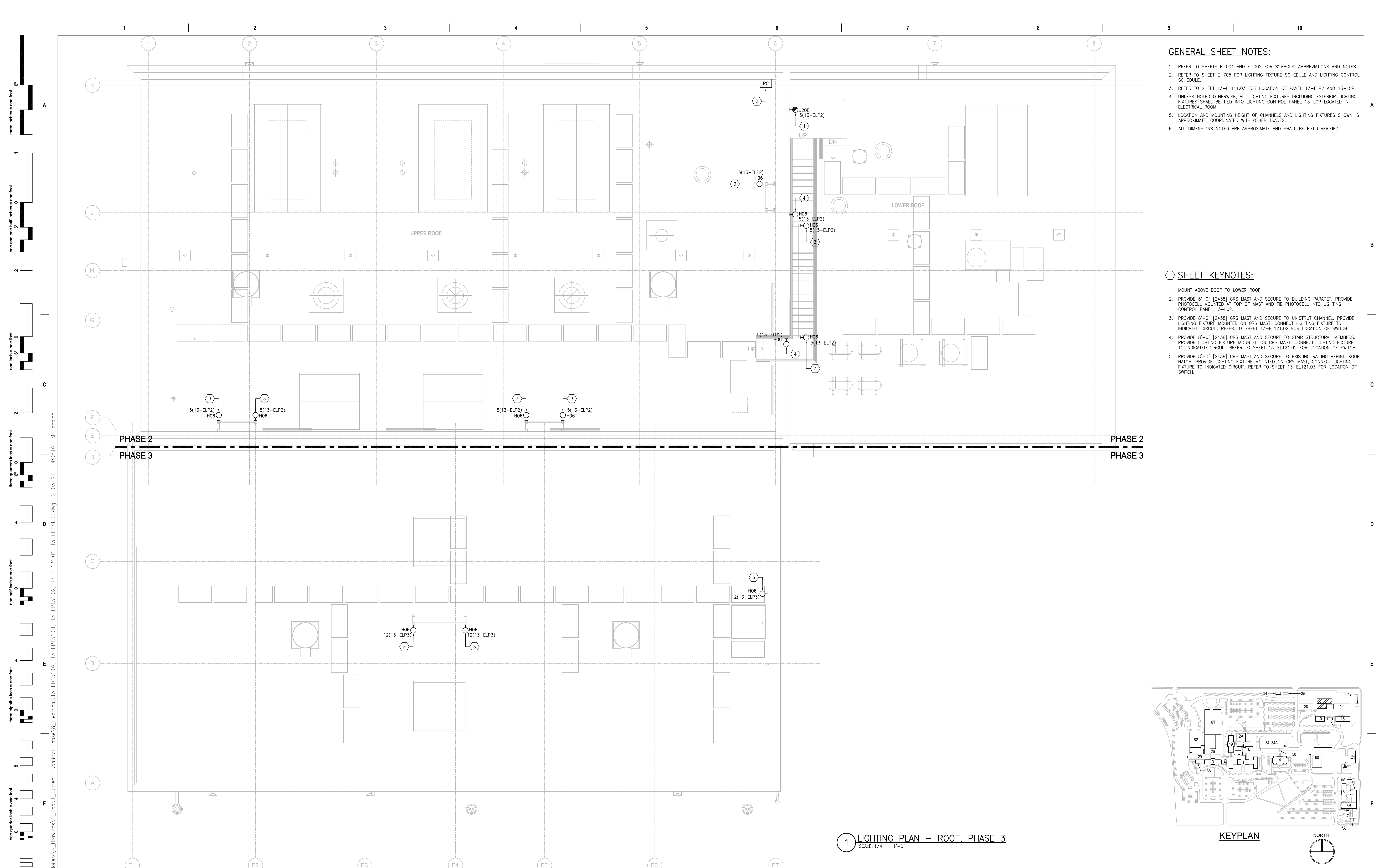
Drawing Title <b>ELECTRICAL LIGHTING PLAN EX CATWALK &amp; CATWALK LEVELS, PH 3</b>
Approved: Project Director

Phase <b>100% BID SET</b>
<b>FULLY SPRINKLERED</b>

Project Title <b>INSTALL NEW BOILERS IN BUILDING 13</b>
Location <b>ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</b>
Issue Date <b>2021-09-03</b>
Checked <b>ARH</b>
Drawn <b>ARH</b>

Project Number <b>589A7-18-302</b>
Building Number <b>13</b>
Drawing Number <b>13-EL121.03</b>

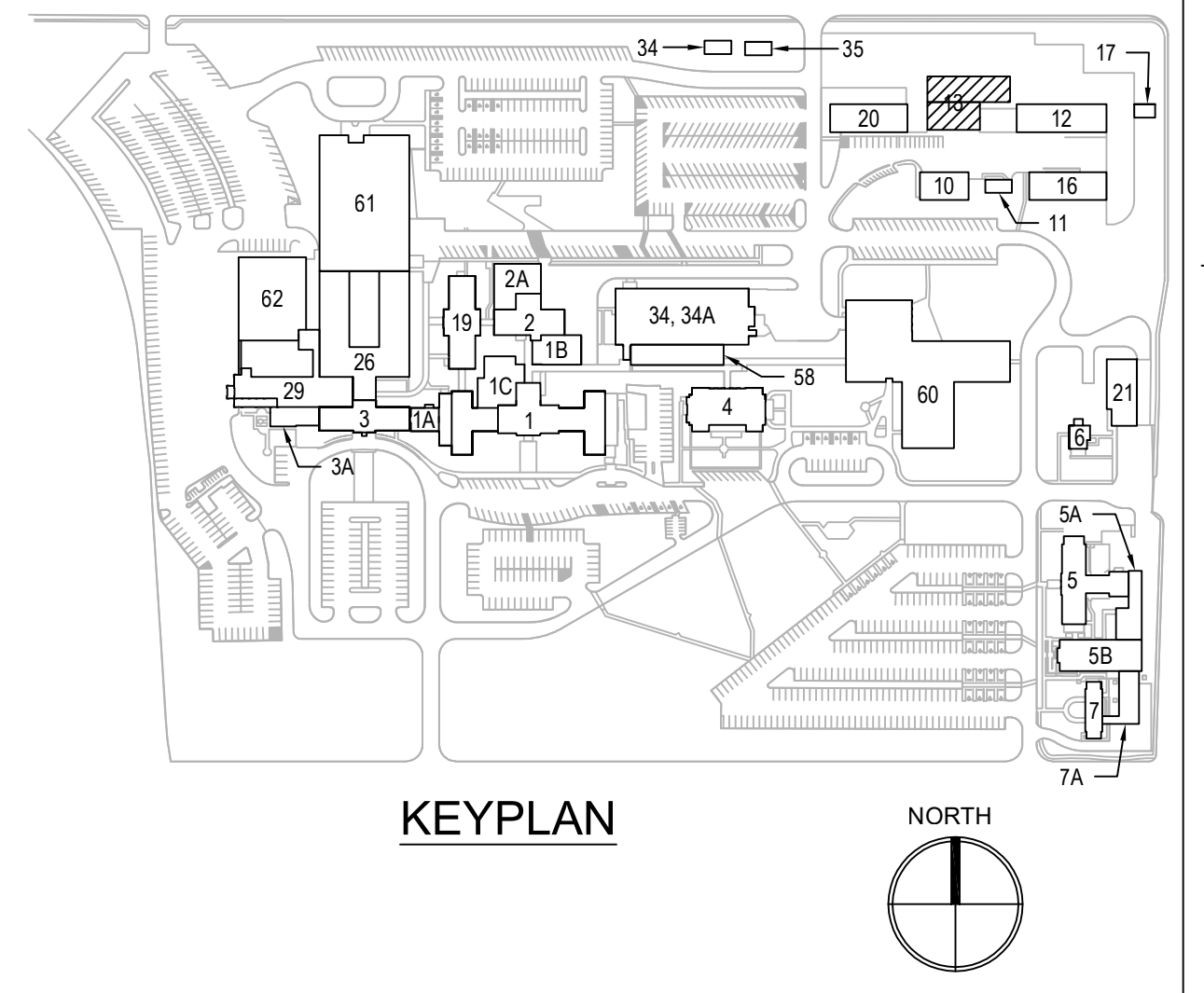




- GENERAL SHEET NOTES:**
1. REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
  2. REFER TO SHEET E-705 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTROL SCHEDULE.
  3. REFER TO SHEET 13-EL111.03 FOR LOCATION OF PANEL 13-ELP2 AND 13-LCP.
  4. UNLESS NOTED OTHERWISE, ALL LIGHTING FIXTURES INCLUDING EXTERIOR LIGHTING FIXTURES SHALL BE TIED INTO LIGHTING CONTROL PANEL 13-LCP LOCATED IN ELECTRICAL ROOM.
  5. LOCATION AND MOUNTING HEIGHT OF CHANNELS AND LIGHTING FIXTURES SHOWN IS APPROXIMATE, COORDINATED WITH OTHER TRADES.
  6. ALL DIMENSIONS NOTED ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.

- SHEET KEYNOTES:**
1. MOUNT ABOVE DOOR TO LOWER ROOF.
  2. PROVIDE 6'-0" [2438] GRS MAST AND SECURE TO BUILDING PARAPET. PROVIDE PHOTOCELL MOUNTED AT TOP OF MAST AND TIE PHOTOCELL INTO LIGHTING CONTROL PANEL 13-LCP.
  3. PROVIDE 8'-0" [2438] GRS MAST AND SECURE TO UNISTRUT CHANNEL. PROVIDE LIGHTING FIXTURE MOUNTED ON GRS MAST. CONNECT LIGHTING FIXTURE TO INDICATED CIRCUIT. REFER TO SHEET 13-EL121.02 FOR LOCATION OF SWITCH.
  4. PROVIDE 8'-0" [2438] GRS MAST AND SECURE TO STAIR STRUCTURAL MEMBERS. PROVIDE LIGHTING FIXTURE MOUNTED ON GRS MAST. CONNECT LIGHTING FIXTURE TO INDICATED CIRCUIT. REFER TO SHEET 13-EL121.02 FOR LOCATION OF SWITCH.
  5. PROVIDE 8'-0" [2438] GRS MAST AND SECURE TO EXISTING RAILING BEHIND ROOF HATCH. PROVIDE LIGHTING FIXTURE MOUNTED ON GRS MAST. CONNECT LIGHTING FIXTURE TO INDICATED CIRCUIT. REFER TO SHEET 13-EL121.03 FOR LOCATION OF SWITCH.

1 LIGHTING PLAN - ROOF, PHASE 3  
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

**CONSULTANTS**

<b>HAZARDOUS MATERIALS</b> <b>MABBETT &amp; ASSOCIATES, INC.</b> 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6550 <b>CIVIL / STRUCTURAL</b> <b>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.</b> 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)282-2881 <b>ARCHITECTURAL</b> <b>OCULUS INC.</b> 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100	<b>FIRE SUPPRESSION</b> <b>KOFFEL ASSOCIATES</b> 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246 <b>ELECTRONIC SECURITY</b> <b>MAGNA ENGINEERS</b> 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990 <b>PHYSICAL SECURITY</b> <b>FORCE PROTECT</b> 3210 GULF BLVD, UNIT 304, BELLAIR BEACH, FL 33786 PHONE: (802)836-4232
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 KANSAS  
 9.3.2021

**Office of Construction and Facilities Management**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**ELECTRICAL BUILDING 13 - LIGHTING PLAN ROOF, PHASE 3**

Approved: Project Director

Phase  
**100% BID SET**

**FULLY SPRINKLERED**

Project Title  
**INSTALL NEW BOILERS IN BUILDING 13**

Location  
**ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS**

Issue Date  
**2021-09-03**

Checked  
**ARH**

Drawn  
**ARH**

Project Number  
**589A7-18-302**

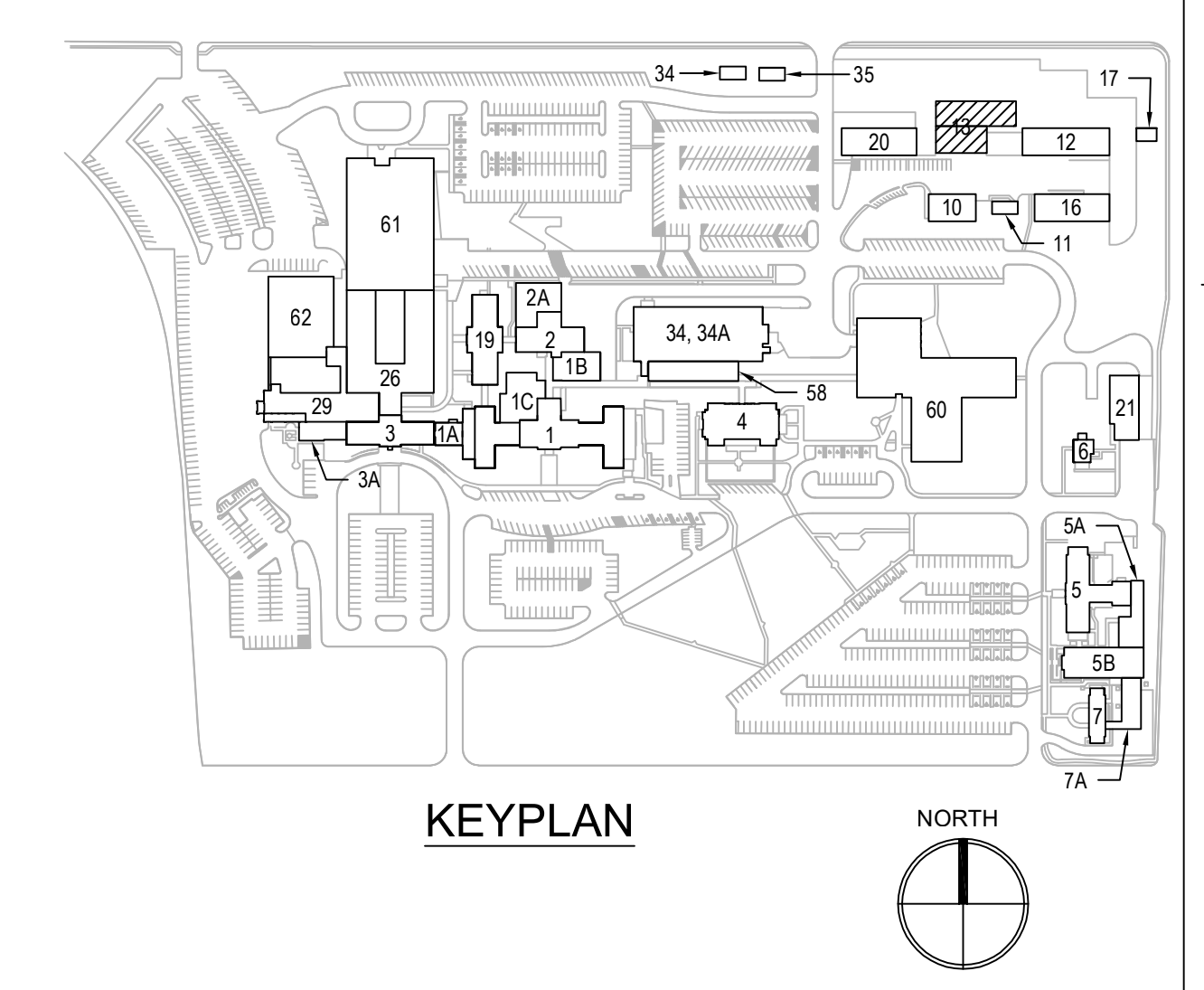
Building Number  
**13**

Drawing Number  
**13-EL131.03**

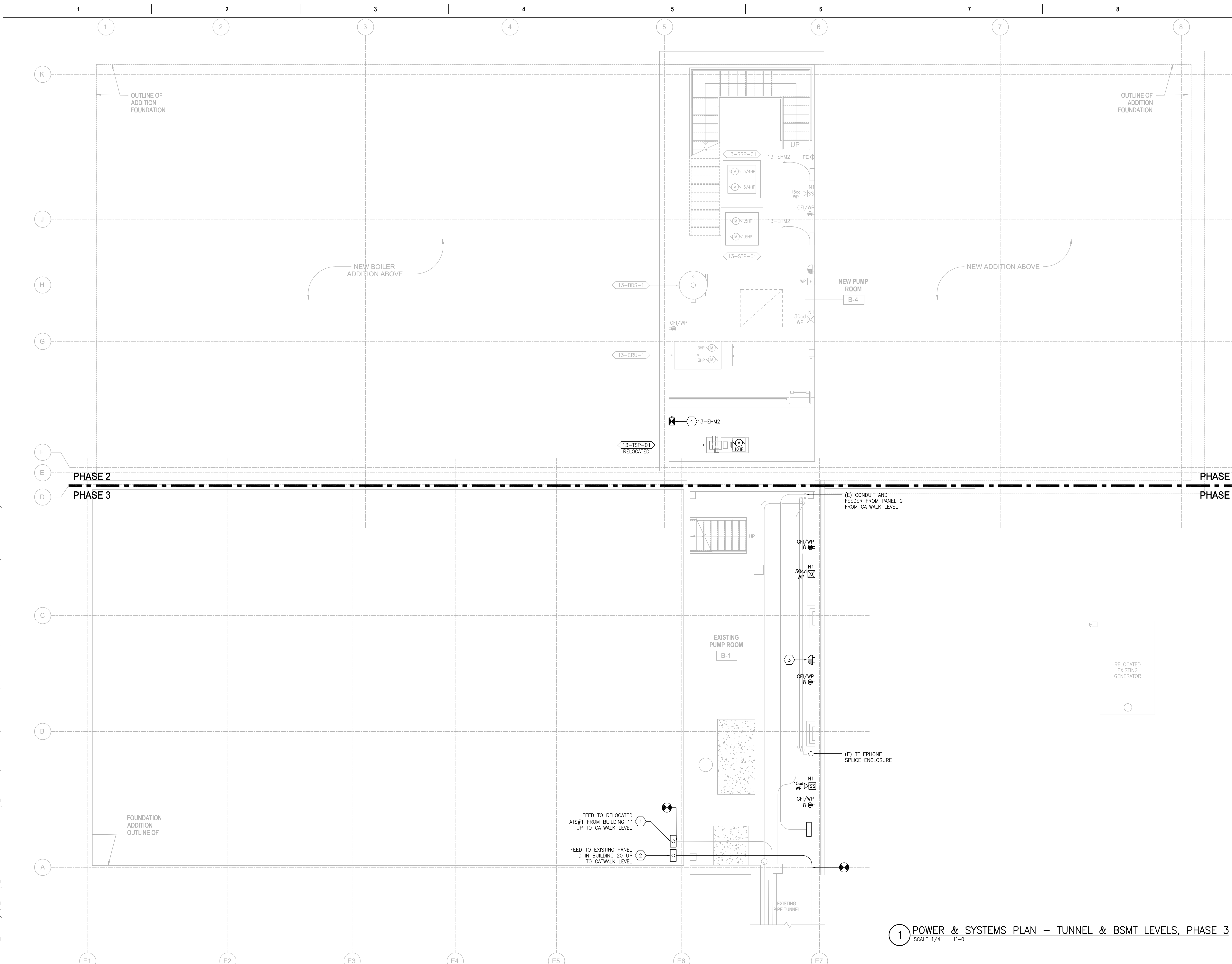


- GENERAL SHEET NOTES:**
- REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
  - REFER TO SHEET 13-EP111.03 FOR LOCATION OF PANEL 13-ELP3, PANEL 13-EHM2, NEW FACP, NAC PANEL 13-NAC AND IT RACK.
  - REFER TO SHEET E-501 THROUGH E-506 FOR DETAILS.
  - REFER TO SHEETS E-602 & E-603 FOR NEW WORK SINGLE LINE DIAGRAMS.
  - REFER TO SHEET E-605 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SHEET E-701 FOR PANELBOARD SCHEDULES.
  - REFER TO PANELBOARD SCHEDULES FOR CIRCUIT NUMBER OF EQUIPMENT CONNECTED TO PANEL 13-EHM2.
  - THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
  - UNLESS NOTED OTHERWISE, DISCONNECT SWITCHES INDICATED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL WIRING AND CONDUIT AND MAKE ALL FINAL CONNECTIONS.
  - 120/208V CIRCUITS: UNLESS NOTED OTHERWISE, NUMERAL SHOWN ADJACENT TO RECEPTACLES, JUNCTION BOXES OR EQUIPMENT INDICATES THE CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP3.
  - FIRE ALARM: AUDIO/VISUAL FIRE ALARM DEVICES SHALL BE CONNECTED TO THE NEW NAC PANEL 13-NAC LOCATED IN THE ELECTRICAL ROOM. DESIGNATION N# ADJACENT TO DEVICE INDICATES CIRCUIT NUMBER. DETECTION DEVICES, INITIATING DEVICES AND MODULES SHALL BE CONNECTED TO THE NEW FACP LOCATED IN THE NEW CONTROL ROOM. FIRE ALARM CONDUITS AND JUNCTION BOXES SHALL BE PAINTED "FEDERAL SAFETY RED".
  - DEVICES, ENCLOSURES AND ELECTRICAL EQUIPMENT BELOW FLOOD PLAIN: DEVICES SHALL BE PROVIDED IN WEATHERPROOF ENCLOSURES. ENCLOSURES SHALL BE GASKETED AND WEATHERPROOF NEMA 4X. ELECTRICAL EQUIPMENT SHALL BE PROVIDED IN A NEMA 4X ENCLOSURE AND ALL CONNECTIONS TO EQUIPMENT SHALL BE ROUTED IN LFMC. CONDUITS CONNECTED TO ENCLOSURE SHALL BE PROPERLY SEALED.

- SHEET KEYNOTES:**
- PROVIDE GASKETTED, WEATHERPROOF PULL BOX WITH CONDUIT UP TO CATWALK LEVEL. PULL EXISTING FEEDER THROUGH NEW PULL BOX AND CONDUIT. REFER TO SHEET 13-EP121.03 FOR CONTINUATION.
  - PROVIDE GASKETTED, WEATHERPROOF PULL BOX WITH CONDUIT UP TO CATWALK LEVEL. PROVIDE NEW FEEDER FROM SOURCE AND UP TO PULL BOX PBA AT CATWALK LEVEL. REFER TO SHEET 13-EP121.03 FOR CONTINUATION.
  - PROVIDE 120V BELL FOR NOTIFICATION OF ACTIVATION OF ANY OF THE BOILER FUEL EPO SWITCHES.
  - PROVIDE COMBINATION STARTER DISCONNECT SWITCH IN NEMA 4X ENCLOSURE. CONNECT TO INDICATED PANEL AND 13-TSP-01 WITH (3)#10 + (1)#10G IN 3/4" [21]



**1 POWER & SYSTEMS PLAN - TUNNEL & BSMT LEVELS, PHASE 3**  
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

**CONSULTANTS**

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**ENGINEER OF RECORD**

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MR PROJECT NO: 0499-0121

MILLER-REMICK LLC  
PROFESSIONAL ENGINEER

ANTHONY D. PACIO  
LICENSED PROFESSIONAL ENGINEER  
KANSAS  
26413  
9.3.2021

**Office of Construction and Facilities Management**

VA U.S. Department of Veterans Affairs

Drawing Title  
**ELECTRICAL POWER & SYSTEMS PLAN TUNNEL & BSMT LEVELS, PHASE 3**

Approved: Project Director

Phase  
**100% BID SET**

**FULLY SPRINKLERED**

Project Title  
**INSTALL NEW BOILERS IN BUILDING 13**

Location  
ROBERT J. DOLE VA MEDICAL CENTER  
WICHITA, KANSAS

Issue Date  
2021-09-03

Checked  
ARH

Drawn  
ARH

Project Number  
**589A7-18-302**

Building Number  
**13**

Drawing Number  
**13-EP101.03**

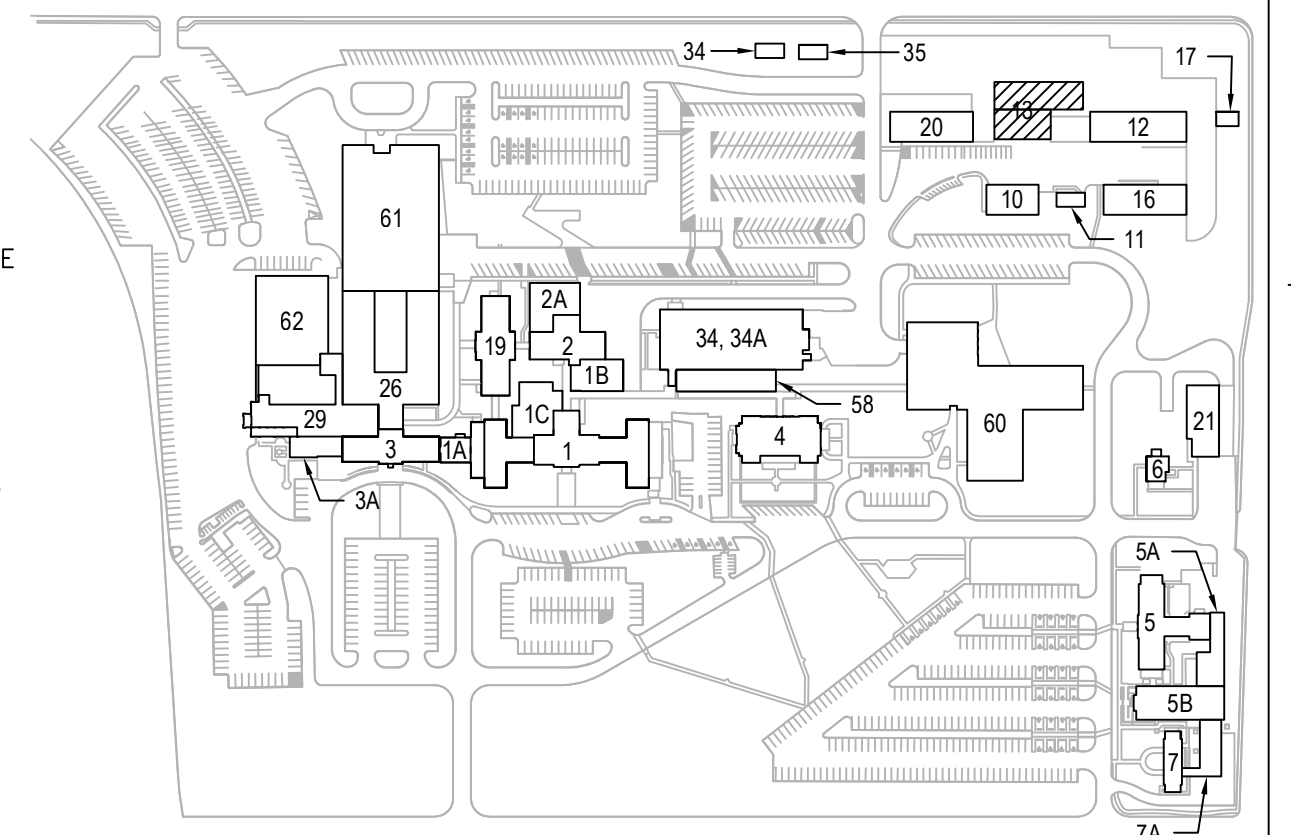


**SHEET KEYNOTES:**

- PROVIDE MUSHROOM-TYPE EPO SWITCH WITH COVER, MOUNTED AT 60" [1524] AFF. LABEL "BOILER FUEL EPO". REFER TO SHEET 13-E-401.02 FOR ADDITIONAL INFORMATION.
- PROVIDE 120V CONNECTION TO DOOR OPERATOR. CONNECT TO EACH OF THE DOOR PUSH PLATES WITH (3)#12 IN 3/4" [21].
- CONNECTION FOR SCISSOR LIFT. MOUNT AT 48" [1220] AFF. VERIFY MOUNTING HEIGHT AND LOCATION.
- FOR CONNECTION OF WATER SOFTENER EQUIPMENT. MOUNT AT 90" [2286] AFF. COORDINATE LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT.
- PROVIDE HGA SWITCH AND CONNECT TO INDICATED CIRCUIT AND UNIT HEATER. SWITCH SHALL BE LABELED WITH CIRCUIT DESIGNATION AND UNIT HEATER SERVED. PROVIDE 3/4" [21] ATC PANEL LOCATED IN HAC. REFER TO SHEET 13-EP121.03 FOR LOCATION OF UNIT HEATER.
- PROVIDE (3)#6 + (1)#10G IN 1" [27] AND CONNECT TO SKID CONTROL PANEL AND TO INDICATED PANEL. SKID CONTROL PANEL IS PROVIDED WITH AN INTEGRAL DISCONNECT SWITCH AND A STARTER FOR EACH OF THE PUMPS; VERIFY LOCATION OF CONTROL PANEL.
- FOR CONNECTION OF CARBON FILTER EQUIPMENT. MOUNT AT 48" [1220] AFF ON UNI-STRUT PROVIDED WITH CARBON FILTER SKID. COORDINATE LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT.
- PROVIDE (3)#6 + (1)#10G IN 3/4" [21] AND CONNECT TO SKID CONTROL PANEL AND TO INDICATED PANEL. SKID CONTROL PANEL IS PROVIDED WITH AN INTEGRAL DISCONNECT SWITCH AND A STARTER FOR THE PUMP; VERIFY LOCATION OF CONTROL PANEL.
- PROVIDE 120V CONNECTION TO RECEPTACLE PROVIDED WITH SKID; MAKE FINAL CONNECTIONS.
- PROVIDE YELLOW CABLE REEL COMPLETE WITH MOUNTING BRACKET, BALL STOP, CABLE STRAIN RELIEF, 25' [7620] 3/4" [21] SJO CABLES AND DUPLEX GFI RECEPTACLE. MOUNT TO EQUIPMENT PLATFORM RAILING. PROVIDE MOUNTING PLATE WELDED TO RAILING.
- FOR CONNECTION OF CHEMICAL TANK PUMP. MOUNT ON RAIL AT 48" [1220] AFF OF EQUIPMENT PLATFORM. COORDINATE LOCATION AND MOUNTING HEIGHT WITH EQUIPMENT.
- PROVIDE 120V CONNECTION TO EACH TANK ALARM AND LIGHT. MOUNT ON UNI-STRUT CHANNEL. COORDINATE LOCATION.
- PROVIDE (3)#12 + (1)#12G IN 3/4" [21] AND CONNECT TO SKID CONTROL PANEL AND TO INDICATED PANEL. SKID CONTROL PANEL IS PROVIDED WITH AN INTEGRAL DISCONNECT SWITCH AND A STARTER FOR EACH OF THE TWO PUMPS; VERIFY LOCATION OF CONTROL PANEL.
- PROVIDE 120V CONNECTION TO EMERGENCY SHOWER STATION FOR HORN/STROBE ACTIVATION. PROVIDE FLOW SWITCH AND FIRE ALARM MODULE. CONNECT TO FIRE ALARM PANEL FOR TROUBLE SIGNAL UPON ACTIVATION OF SHOWER STATION.
- PROVIDE TELEPHONE CABLE TO EXISTING EMERGENCY CALL BOX. CONNECT TO NEW TELEPHONE EQUIPMENT IN IT ROOM.
- PROVIDE 120V CONNECTION TO CONTROL PANEL OF 13-FOM-1. CONTROL PANEL IS PROVIDED WITH AN INTEGRAL DISCONNECTING MEANS.
- PROVIDE NEMA 6-30R RECEPTACLE FOR WELDER CONNECTION. ROUTE (2)#10 + (1)#10G IN 3/4" [21] TO INDICATED CIRCUIT. MOUNT ABOVE FLOOD PLAIN AT APPROXIMATELY 6'-0" [1829] AFF.
- PROVIDE COMBINATION MOTOR STARTER DISCONNECT SWITCH IN NEMA 4X ENCLOSURE. CONNECT TO ADJACENT AIR COMPRESSOR AND INDICATED PANEL. REFER TO SHEET E-603 FOR FEEDER SIZE.
- PROVIDE RECESSED JUNCTION BOX BELOW COUNTER AND 1" [27] WITH PULL STRING TO PANEL 13-ELP3. JUNCTION BOX IS PROVIDED FOR A FUTURE ELECTRIC RANGE. COORDINATE LOCATION AND ACCESS TO BOX WITH CABINETS.
- RELOCATE ATS AND CONNECT NORMAL SIDE FEEDER (SERVICE #3) EXTENDED AT CATWALK LEVEL. REFER TO SHEET 13-EP121.03. CONNECT PERMANENT FEEDER OF RELOCATED GENERATOR TO EMERGENCY SIDE OF ATS. PROVIDE MONITORING SYSTEM FOR START SIGNAL (REFER TO SPECIFICATION SECTION 263623). TERMINATE START SIGNAL FROM PULL BOX INSTALLED IN ELECTRICAL ROOM DURING PHASE 2; REFER TO SHEET 13-EP111.02.
- PROVIDE 120V BELL FOR NOTIFICATION OF ACTIVATION OF ANY OF THE BOILER FUEL EPO SWITCHES.

**GENERAL SHEET NOTES:**

- REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO SHEETS E-501 THRU E-506 FOR DETAILS.
- REFER TO SHEET E-603 FOR NEW WORK SINGLE LINE DIAGRAM.
- REFER TO SHEET E-604 FOR TELECOM RISER DIAGRAM.
- REFER TO SHEET E-605 FOR FIRE ALARM RISER DIAGRAM.
- REFER TO SHEET E-701 FOR PANELBOARD SCHEDULES.
- REFER TO PANELBOARD SCHEDULES FOR CIRCUIT NUMBER OF EQUIPMENT CONNECTED TO PANEL 13-EHM1.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
- UNLESS NOTED OTHERWISE, DISCONNECT SWITCHES INDICATED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL WIRING AND CONDUIT AND MAKE ALL FINAL CONNECTIONS.
- FEEDER SIZE OF EQUIPMENT CONNECTED TO PANEL 13-ELDP IS SHOWN ON SHEET E-603.
- 120/208V CIRCUITS AT EQUIPMENT PLATFORM: UNLESS NOTED OTHERWISE, NUMERAL SHOWN ADJACENT TO RECEPTABLES, JUNCTION BOXES OR EQUIPMENT INDICATES THE CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP1.
- 120/208V CIRCUITS: UNLESS NOTED OTHERWISE, NUMERAL SHOWN ADJACENT TO RECEPTABLES, JUNCTION BOXES OR EQUIPMENT INDICATES THE CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP3.
- FIRE ALARM: AUDIO/VISUAL FIRE ALARM DEVICES SHALL BE CONNECTED TO THE NEW NAC PANEL 13-NAC LOCATED IN THE ELECTRICAL ROOM. DESIGNATION N# ADJACENT TO DEVICE INDICATES CIRCUIT NUMBER. DETECTION DEVICES, INITIATING DEVICES AND MODULES SHALL BE CONNECTED TO THE NEW FACP LOCATED IN THE NEW CONTROL ROOM. FIRE ALARM CONDUITS AND JUNCTION BOXES SHALL BE PAINTED "FEDERAL SAFETY RED".
- TELECOM DEVICES: CONNECT TELE/DATA OUTLETS AND WIFI OUTLETS TO CORRESPONDING PATCH PANEL IN IT RACK LOCATED IN IT ROOM. ALL CABLES SHALL BE ROUTED IN 1-1/4" [35] MIN.
- DEVICES, ENCLOSURES AND ELECTRICAL EQUIPMENT BELOW FLOOD PLAIN: DEVICES SHALL BE PROVIDED IN WEATHERPROOF ENCLOSURES. ENCLOSURES SHALL BE GASKETED AND WEATHERPROOF NEMA 4X. ELECTRICAL EQUIPMENT SHALL BE PROVIDED IN A NEMA 4X ENCLOSURE AND ALL CONNECTIONS TO EQUIPMENT SHALL BE ROUTED IN LMC. CONDUITS CONNECTED TO ENCLOSURE SHALL BE PROPERLY SEALED.



**1 POWER & SYSTEMS PLAN - SHOP & MAIN LEVELS, PHASE 3**  
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

**CONSULTANTS**

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**FIRE SUPPRESSION**  
KOFFEL ASSOCIATES  
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**ELECTRONIC SECURITY**  
MAGNA ENGINEERS  
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**PHYSICAL SECURITY**  
FORCE PROTECT  
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MR PROJECT NO: 0499-0121

MILLER-REMIK LLC  
PROFESSIONAL ENGINEER

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26413  
KANSAS LICENSED  
PROFESSIONAL ENGINEER  
9.3.2021

**Office of Construction and Facilities Management**

VA U.S. Department of Veterans Affairs

Drawing Title  
**ELECTRICAL POWER & SYSTEMS PLAN SHOP & MAIN LEVELS, PHASE 3**

Approved: Project Director

Phase  
**100% BID SET**

**FULLY SPRINKLERED**

Project Title  
**INSTALL NEW BOILERS IN BUILDING 13**

Location  
ROBERT J. DOLE VA MEDICAL CENTER  
WICHITA, KANSAS

Issue Date  
2021-09-03

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Project Number  
**589A7-18-302**

Building Number  
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Drawing Number  
**13-EP111.03**

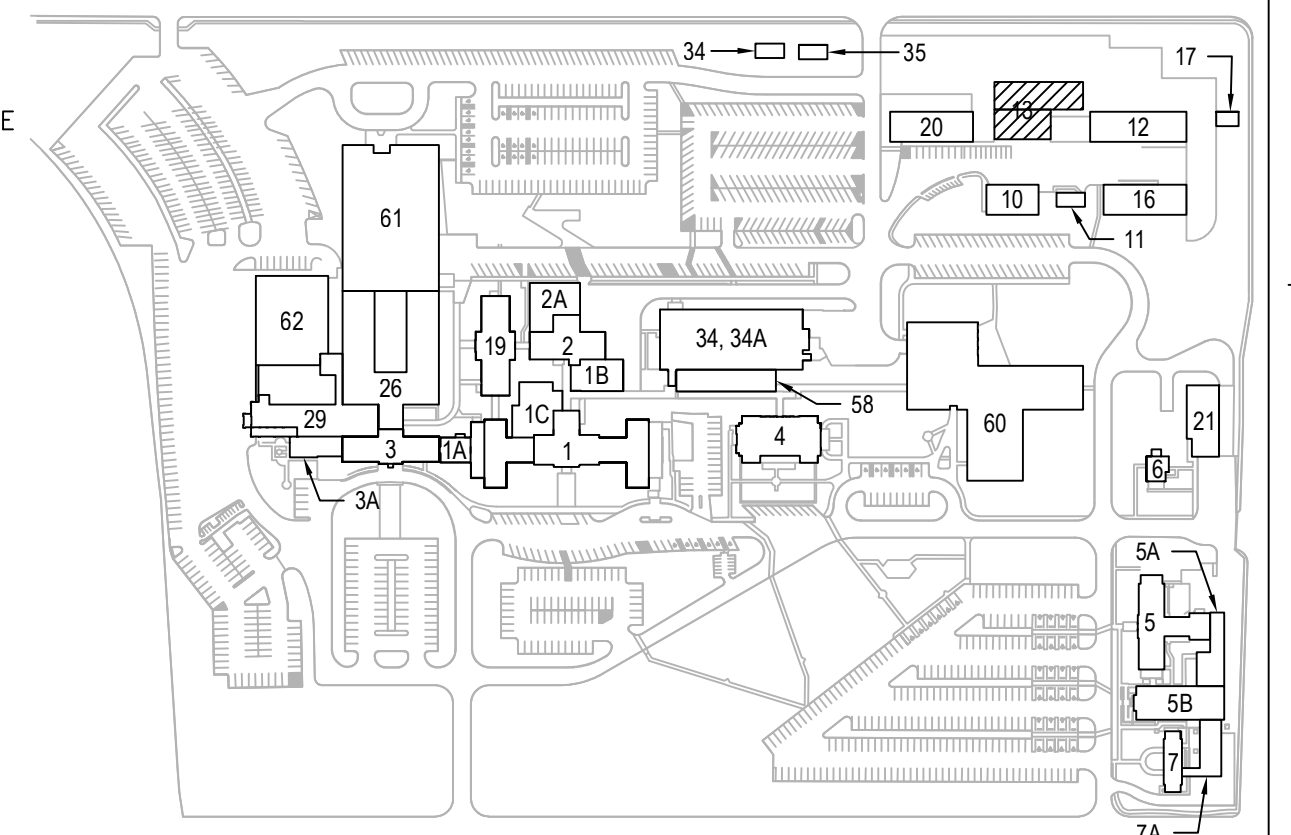


**SHEET KEYNOTES:**

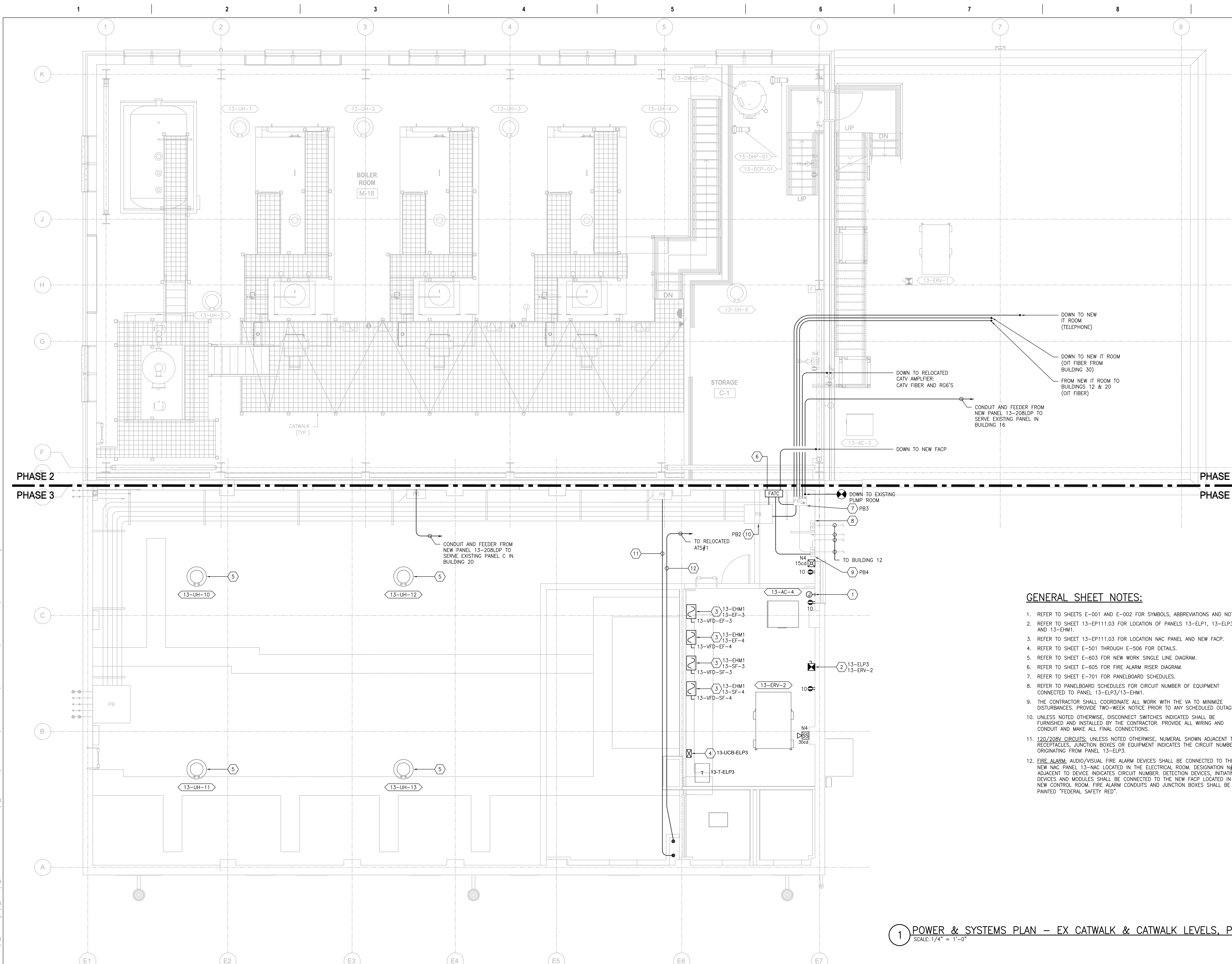
- PROVIDE (4) #14 IN 3/4" [21] UP TO ASSOCIATED OUTDOOR UNIT AND MAKE FINAL CONNECTIONS. INDOOR UNIT (AC) IS POWERED BY OUTDOOR UNIT (ACCU) AND IS PROVIDED WITH A DISCONNECT SWITCH. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR. REFER TO SHEET 13-EP131.03 FOR LOCATION OF ACCU.
- PROVIDE COMBINATION STARTER DISCONNECT SWITCH IN NEMA 4X ENCLOSURE PROVIDE UNISTRUT CHANNEL SECURED TO HANDRAILS AND PLATFORM. CONNECT TO INDICATED PANEL AND ERV WITH (2) #12 + (1) #12G IN 3/4" [21]. PROVIDE ARC FLASH LABEL, CIRCUIT DESIGNATION AND NAME OF UNIT SERVED.
- PROVIDE VFD WITH INTEGRAL DISCONNECT AND BYPASS FEATURE MOUNTED ON UNISTRUT CHANNEL ALONG CATWALK SUPPORTS/HANDRAIL. ROUTE (3) #12 + (1) #12G IN 3/4" [21] TO INDICATED PANEL. CONNECT FEEDER FROM ASSOCIATED DISCONNECT SWITCH LOCATED ON ROOF. PROVIDE ARC FLASH LABEL, CIRCUIT DESIGNATION AND NAME OF FAN SERVED. REFER TO SHEET 13-EP131.03 FOR LOCATION OF DISCONNECT SWITCH AND ASSOCIATED FAN.
- PROVIDE ENCLOSED CIRCUIT BREAKER AND CONNECT TO SECONDARY SIDE OF ADJACENT TRANSFORMER. PROVIDE UNISTRUT CHANNEL SECURED TO HANDRAILS AND PLATFORM FOR MOUNTING OF ENCLOSED BREAKER.
- CONNECT UNIT HEATER TO MOTOR-RATED SWITCH SHOWN ON SHOP LEVEL AT EQUIPMENT PLATFORM. REFER TO SHEET 13-EP111.03 FOR LOCATION OF SWITCH.
- PROVIDE FIRE ALARM TERMINAL CABINET FOR CONNECTION OF ADJACENT BUILDING EXISTING FIRE ALARM PANELS. REFER TO SHEET E-605 FIRE ALARM SINGLE LINE DIAGRAM.
  - (1) CONDUIT TO PB2. EXTEND WIRES INSTALLED DURING PHASE 1 THAT SERVE BUILDING 20.
  - (1) CONDUIT TO PB4. EXTEND WIRES INSTALLED DURING PHASE 1 THAT SERVE BUILDING 12.
  - (1) 2" [53] TO PB3. EXTEND WIRES INSTALLED DURING PHASE 1.
  - (1) 2" [53] TO NEW FACP.
- PULL BOX INSTALLED DURING PHASE 1 WITH TELEPHONE CABLES, CATV CABLES, FIBER OPTIC CABLES AND FIRE ALARM CABLES. RE-ROUTE CABLES AS INDICATED. REFER TO SHEET 13-E-401.02 FOR LOCATIONS.
- PULL BOX INSTALLED DURING PHASE 1 WITH CONDUIT AND FEEDER TO BUILDING 12 PANEL. PROVIDE CONDUIT AND FEEDER TO NEW SOURCE FOR EXISTING PANEL.
- PULL BOX INSTALLED DURING PHASE 1 WITH CONDUIT AND CABLES TO BUILDING 12. RE-ROUTE CABLES TO NEW SOURCES. REFER TO SHEET 12-ED111.01 FOR ADDITIONAL INFORMATION.
- PULL BOX INSTALLED DURING PHASE 1 WITH CONDUIT AND CABLES TO BUILDING 20. RE-ROUTE CABLES TO NEW SOURCES. REFER TO SHEET 20-ED111.01 FOR ADDITIONAL INFORMATION.
- PROVIDE CONDUIT AND FEEDER TO PULL BOX PBA INSTALLED DURING PHASE 1. FEEDER PREVIOUSLY NOTED AS SERVICE #1 BUT WILL NOW BECOME THE NEW FEED TO EXISTING PANEL D IN BUILDING 20. SPLICE NEW FEEDER WITH FEEDER PROVIDED DURING PHASE 1 CONNECTED TO DEMOLISHED PANEL A. REFER TO 13-EP101.03.
- CONDUIT AND FEEDER DOWN TO TUNNEL. FEED TO NORMAL SIDE OF RELOCATED ATS #1. REFER TO 13-EP101.03 FOR LOCATION OF ATS #1.

**GENERAL SHEET NOTES:**

- REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO SHEET 13-EP111.03 FOR LOCATION OF PANELS 13-ELP1, 13-ELP3 AND 13-EHM1.
- REFER TO SHEET 13-EP111.03 FOR LOCATION NAC PANEL AND NEW FACP.
- REFER TO SHEET E-501 THROUGH E-506 FOR DETAILS.
- REFER TO SHEET E-603 FOR NEW WORK SINGLE LINE DIAGRAM.
- REFER TO SHEET E-605 FOR FIRE ALARM RISER DIAGRAM.
- REFER TO SHEET E-701 FOR PANELBOARD SCHEDULES.
- REFER TO PANELBOARD SCHEDULES FOR CIRCUIT NUMBER OF EQUIPMENT CONNECTED TO PANEL 13-ELP3/13-EHM1.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
- UNLESS NOTED OTHERWISE, DISCONNECT SWITCHES INDICATED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL WIRING AND CONDUIT AND MAKE ALL FINAL CONNECTIONS.
- 120/208V CIRCUITS. UNLESS NOTED OTHERWISE, NUMERAL SHOWN ADJACENT TO RECEPTACLES, JUNCTION BOXES OR EQUIPMENT INDICATES THE CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP3.
- FIRE ALARM: AUDIO/VISUAL FIRE ALARM DEVICES SHALL BE CONNECTED TO THE NEW NAC PANEL 13-NAC LOCATED IN THE ELECTRICAL ROOM. DESIGNATION N# ADJACENT TO DEVICE INDICATES CIRCUIT NUMBER. DETECTION DEVICES, INITIATING DEVICES AND MODULES SHALL BE CONNECTED TO THE NEW FACP LOCATED IN THE NEW CONTROL ROOM. FIRE ALARM CONDUITS AND JUNCTION BOXES SHALL BE PAINTED "FEDERAL SAFETY RED".



**1 POWER & SYSTEMS PLAN - EX CATWALK & CATWALK LEVELS, PHASE 3**  
SCALE: 1/4" = 1'-0"



PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.		<b>CONSULTANTS</b> <b>HAZARDOUS MATERIALS</b> MABBETT & ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6550 <b>CIVIL/STRUCTURAL</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)282-2881 <b>ARCHITECTURAL</b> OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100		<b>FIRE SUPPRESSION</b> KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246 <b>ELECTRONIC SECURITY</b> MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990 <b>PHYSICAL SECURITY</b> FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLAIR BEACH, FL 33786 PHONE: (802)836-4232		<b>ENGINEER OF RECORD</b> MILLER-REMICK LLC PROFESSIONAL ENGINEER MILLER-REMICK LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-9002 MR PROJECT NO: 0499-0121		Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title <b>ELECTRICAL                  POWER &amp; SYSTEMS PLAN                  EX CATWALK &amp; CATWALK LEVELS, PH 3</b> Approved: Project Director		Phase 100% BID SET FULLY SPRINKLERED		Project Title <b>INSTALL NEW BOILERS IN                  BUILDING 13</b> Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS Issue Date 2021-09-03 Checked ARH Drawn ARH		Project Number 589A7-18-302 Building Number 13 Drawing Number <b>13-EP121.03</b>	
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**GENERAL SHEET NOTES:**

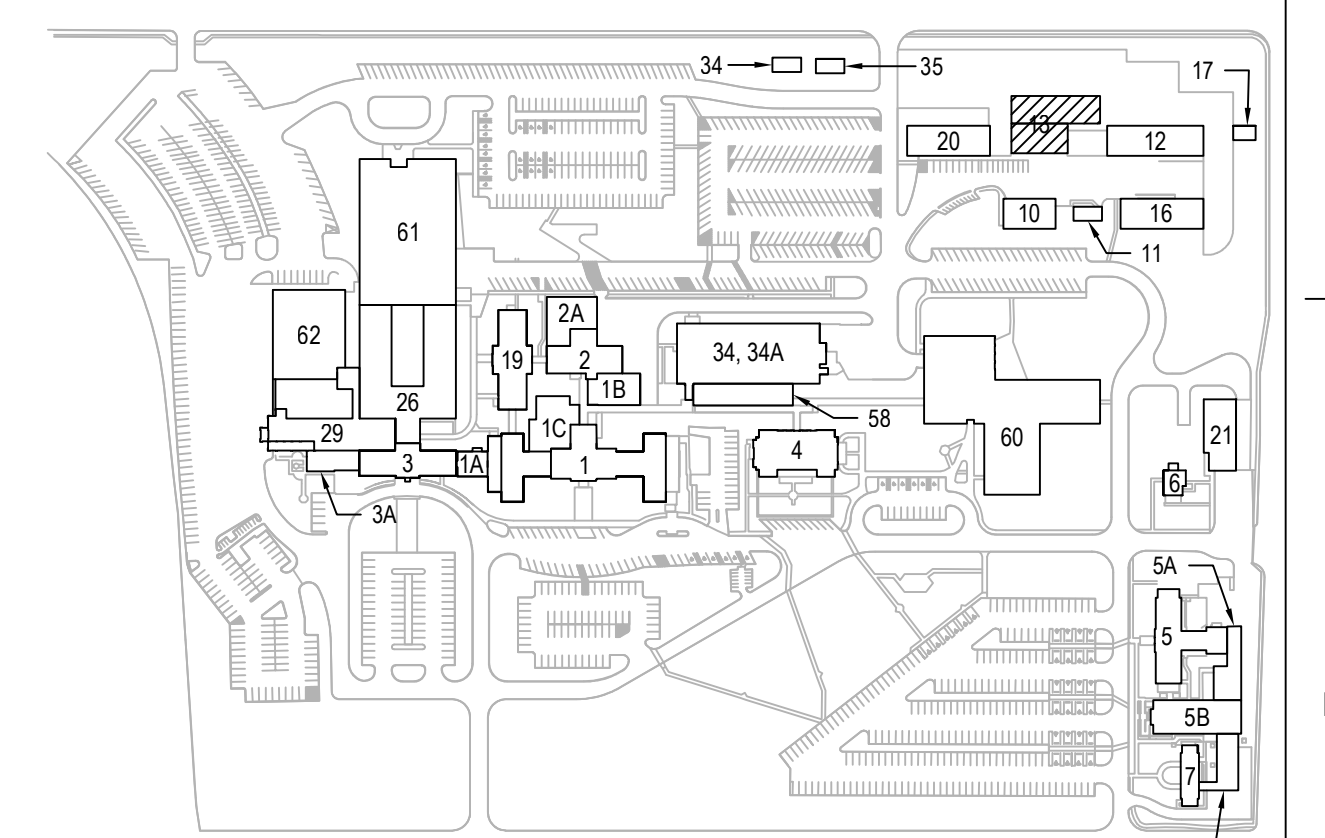
1. REFER TO SHEETS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO SHEET 13-EP111.03 FOR LOCATION OF PANEL 13-ELP2, PANEL 13-ELP3, 13-NAC AND NEW FAC.
3. REFER TO SHEETS E-501 THRU E-506 FOR DETAILS.
4. REFER TO SHEET E-603 FOR NEW WORK SINGLE LINE DIAGRAM.
5. REFER TO SHEET E-605 FOR FIRE ALARM RISER DIAGRAM.
6. REFER TO SHEET E-701 FOR PANELBOARD SCHEDULES.
7. REFER TO PANELBOARD SCHEDULES FOR CIRCUIT NUMBER OF EQUIPMENT CONNECTED TO PANEL 13-ELP3/13-EHM2.
8. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE VA TO MINIMIZE DISTURBANCES. PROVIDE TWO-WEEK NOTICE PRIOR TO ANY SCHEDULED OUTAGE.
9. UNLESS NOTED OTHERWISE, DISCONNECT SWITCHES INDICATED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL WIRING AND CONDUIT AND MAKE ALL FINAL CONNECTIONS.
10. 120/208V CIRCUITS: UNLESS NOTED OTHERWISE, NUMERAL SHOWN ADJACENT TO RECEPTACLES, JUNCTION BOXES OR EQUIPMENT INDICATES THE CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP3.
11. FIRE ALARM: AUDIO/VISUAL FIRE ALARM DEVICES SHALL BE CONNECTED TO THE NEW NAC PANEL 13-NAC LOCATED IN THE ELECTRICAL ROOM. DESIGNATION N# ADJACENT TO DEVICE INDICATES CIRCUIT NUMBER, DETECTION DEVICES, INITIATING DEVICES AND MODULES SHALL BE CONNECTED TO THE NEW FACP LOCATED IN THE NEW CONTROL ROOM. FIRE ALARM CONDUITS AND JUNCTION BOXES SHALL BE PAINTED "FEDERAL SAFETY RED".
12. THE CONTRACTOR SHALL FOLLOW ROOF WARRANTY REQUIREMENTS FOR AFFIXING OF COMPONENTS TO ROOF MEMBRANE AND PATCHING OF ROOF MEMBRANE SUCH THAT ROOF WARRANTY IS NOT VOIDED.

**SHEET KEYNOTES:**

1. PROVIDE GALVANIZED STEEL UNISTRUT FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF INDICATED DEVICES/EQUIPMENT. BOND TO LIGHTNING PROTECTION SYSTEM. REFER TO MOUNTING DETAIL 3/E-503.
2. PROVIDE DISCONNECT SWITCH IN NEMA 4X ENCLOSURE MOUNTED ON UNISTRUT FRAME. CONNECT TO INDICATED EQUIPMENT AND INDICATED VFD WITH (3) #12 + (1) #12G IN 3/4" [21] AND (2) #12 IN 3/4" [21] (AUXILIARY CONTACTS TO VFD). VFD IS LOCATED ON CATWALK LEVEL; REFER TO SHEET 13-EP121.03 FOR LOCATION.
3. PROVIDE COMBINATION STARTER DISCONNECT SWITCH IN NEMA 4X ENCLOSURE MOUNTED ON UNISTRUT FRAME. CONNECT TO INDICATED EQUIPMENT AND PANEL WITH (2) #10 + (1) #10G IN 3/4" [21]. REFER TO SHEET EP121.03 FOR ASSOCIATED INDOOR UNIT (AC) WHICH IS POWERED BY OUTDOOR UNIT (ACCU).
4. PROVIDE A NEW LIGHTNING PROTECTION SYSTEM FOR INDICATED AREA PER LIGHTNING PROTECTION NOTES. BOND WITH THE LIGHTNING PROTECTION SYSTEM INSTALLED UNDER PHASE 2.

**LIGHTNING PROTECTION NOTES:**

1. THE BUILDING CURRENTLY DOES NOT HAVE A LIGHTNING PROTECTION SYSTEM. THE SCOPE OF WORK FOR THIS SYSTEM SHALL BE TO INSTALL A NEW LIGHTNING PROTECTION FOR THE ENTIRE BUILDING.
2. PROVIDE AS PART OF THE ELECTRICAL WORK A COMPLETE LIGHTNING PROTECTION SYSTEM AS INDICATED & HEREIN SPECIFIED.
3. WHERE ELEMENTS OF THE SYSTEM ARE IN DIRECT CONTACT WITH THE ALUMINUM BUILDING MATERIALS, UTILIZE ALUMINUM EQUIPMENT. WHERE IN CONTACT WITH ANY OTHER BUILDING MATERIALS, UTILIZE COPPER EQUIPMENT.
4. NO BEND OF A CONDUCTOR SHALL FORM AN ANGLE MORE THAN 90° NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8" [203].
5. BOND ALL STRUCTURAL STEEL ELEMENTS TO THE SYSTEM AS REQUIRED.
6. BOND EXHAUST FANS & OTHER ROOF MOUNTED METALLIC OBJECTS TO THE SYSTEM IN AN APPROVED MANNER.
7. ALL UNGROUNDED METALLIC OBJECTS LOCATED WITHIN 6' [1829] OF THE SYSTEM SHALL BE BONDED TO THE SYSTEM IN AN APPROVED MANNER.
8. PROPER FLASHING AND PITCH POCKETS SHALL BE PROVIDED FOR ALL ROOF PENETRATIONS.
9. ALL ROOF PENETRATIONS & ALL ITEMS FASTENED TO THE ROOF SHALL MEET WITH THE REQUIREMENTS OF THE ROOF MANUFACTURER.
10. THE SYSTEM SHALL BE THE PRODUCT OF 1 MANUFACTURER REGULARLY ENGAGED IN THE PRODUCTION OF LIGHTNING PROTECTION SYSTEMS & SHALL BE REGISTERED & APPROVED BY THE LIGHTNING PROTECTION INSTITUTE.
11. A MASTER UL LABEL SHALL BE PROVIDED UPON COMPLETION OF THE INSTALLATION.



**KEYPLAN**

NORTH

**1 POWER & SYSTEMS PLAN - ROOF, PHASE 3**  
SCALE: 1/4" = 1'-0"

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

**CONSULTANTS**

<p><b>HAZARDOUS MATERIALS</b> MABBETT &amp; ASSOCIATES, INC. 105 CENTRAL STREET, STONEHAM, MA 02180 PHONE: (781)275-6550</p>	<p><b>FIRE SUPPRESSION</b> KOFFEL ASSOCIATES 8815 CENTRE PARK DRIVE, SUITE 200, COLUMBIA, MD 21045 PHONE: (410)729-2246</p>
<p><b>CIVIL / STRUCTURAL</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA, WICHITA, KS 67202 PHONE: (316)262-2881</p>	<p><b>ELECTRONIC SECURITY</b> MAGNA ENGINEERS 861 CORPORATE DRIVE, SUITE 210, LEXINGTON, KY 40503 PHONE: (859)306-2990</p>
<p><b>ARCHITECTURAL</b> OCULUS INC. 1 SOUTH MEMORIAL DRIVE, SUITE 1500, SAINT LOUIS, MO 63102 PHONE: (314)367-6100</p>	<p><b>PHYSICAL SECURITY</b> FORCE PROTECT 3210 GULF BLVD, UNIT 304, BELLE SAIR BEACH, FL 33786 PHONE: (802)836-4232</p>

**ENGINEER OF RECORD**

<p><b>Miller-Remick LLC</b> M.E.P. &amp; Structural Engineering A Service Disabled Veteran Owned Small Business</p> <p>1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-9002 MR PROJECT NO: 0499-0121</p>	<p>MILLER-REMICK LLC PROFESSIONAL ENGINEER</p> <p>ANTHONY D. PACIARO LICENSED PROFESSIONAL ENGINEER 26413 KANSAS 9.3.2021</p>
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<p><b>Office of Construction and Facilities Management</b></p> <p>VA U.S. Department of Veterans Affairs</p>
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<p>Drawing Title <b>ELECTRICAL POWER &amp; SYSTEMS PLAN ROOF, PHASE 3</b></p> <p>Approved: Project Director</p>	<p>Phase <b>100% BID SET</b></p> <p><b>FULLY SPRINKLERED</b></p>
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<p>Project Title <b>INSTALL NEW BOILERS IN BUILDING 13</b></p>	<p>Project Number <b>589A7-18-302</b></p> <p>Building Number <b>13</b></p>
<p>Location <b>ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS</b></p>	<p>Drawing Number <b>13-EP131.03</b></p>
<p>Issue Date <b>2021-09-03</b></p>	<p>Checked <b>ARH</b></p> <p>Drawn <b>ARH</b></p>

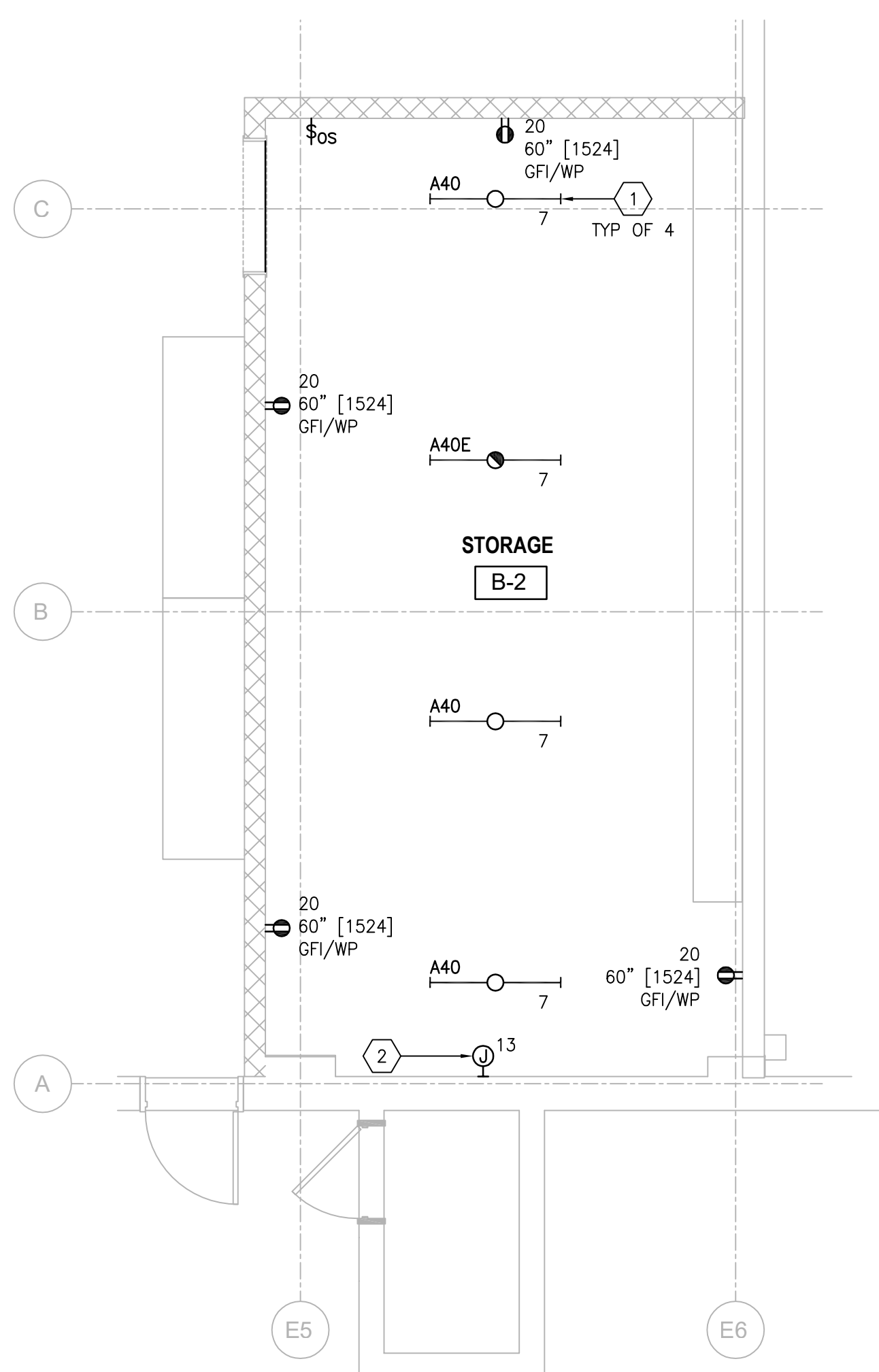


**SHEET KEYNOTES:**

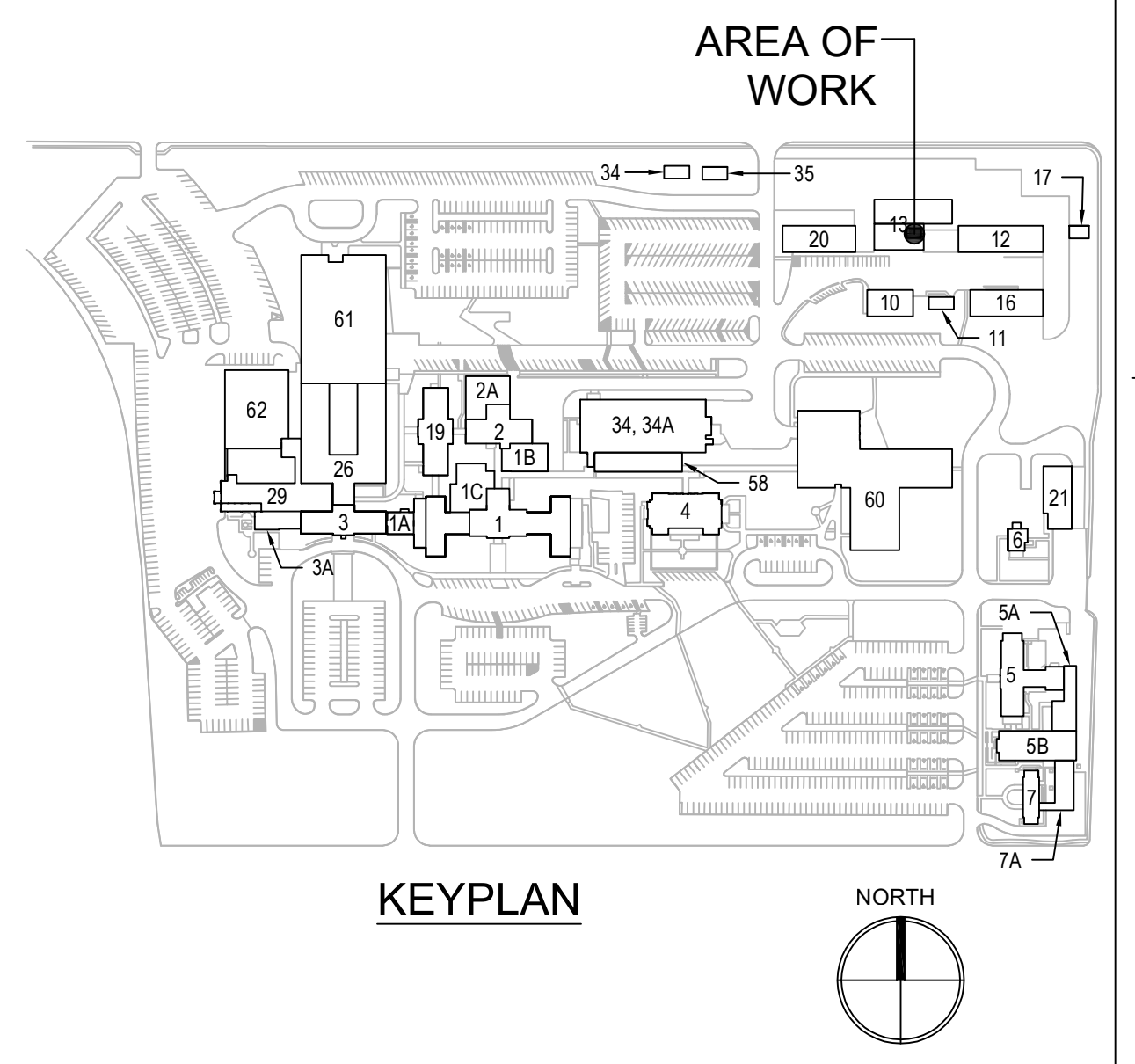
1. BOTTOM OF FIXTURE SHALL BE 7'-0" [2134] AFF.
2. INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT (FUEL OIL TANK BUNKER) IN NEW GASKETED, WEATHERPROOF JUNCTION BOX AND EXTEND TO INDICATED CIRCUIT ORIGINATING FROM PANEL 13-ELP3.

**GENERAL SHEET NOTES:**

1. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
2. REFER TO SHEET 13-EL111.03 FOR LOCATION OF PANEL 13-ELP3 AND 13-LCP.
3. REFER TO SHEETS E-501 THROUGH E-506 FOR DETAILS.
4. REFER TO SHEET E-701 FOR PANELBOARD SCHEDULES.
5. REFER TO SHEET E-705 FOR LIGHTING FIXTURE SCHEDULE AND LIGHTING CONTROL SCHEDULE.
6. STORAGE ROOM IS LOCATED BENEATH THE NEW BREAK ROOM. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHT.
7. 120/208V CIRCUITS: UNLESS NOTED OTHERWISE, NUMERAL SHOWN ADJACENT TO RECEPTACLES, LIGHTING FIXTURES, JUNCTION BOXES OR EQUIPMENT INDICATES THE CIRCUIT NUMBER ORIGINATING FROM PANEL 13-ELP3.
8. ALL LIGHTING FIXTURES INCLUDING EXTERIOR LIGHTING FIXTURES SHALL BE TIED INTO LIGHTING CONTROL PANEL 13-LCP LOCATED IN ELECTRICAL ROOM.
9. LOCATION AND MOUNTING HEIGHT OF CHANNELS AND LIGHTING FIXTURES SHOWN IS APPROXIMATE; COORDINATED WITH OTHER TRADES.
10. ALL DIMENSIONS NOTED ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
11. DEVICES, ENCLOSURES AND ELECTRICAL EQUIPMENT BELOW FLOOD PLAIN; DEVICES SHALL BE PROVIDED IN WEATHERPROOF ENCLOSURES. ENCLOSURES SHALL BE GASKETED AND WEATHERPROOF NEMA 4X. ELECTRICAL EQUIPMENT SHALL BE PROVIDED IN A NEMA 4X ENCLOSURE AND ALL CONNECTIONS TO EQUIPMENT SHALL BE ROUTED IN LFMC. CONDUITS CONNECTED TO ENCLOSURE SHALL BE PROPERLY SEALED.



**1 STORAGE PART PLAN, PHASE 3**  
SCALE: 1/4" = 1'-0"



**KEYPLAN**

PRINTS OF THIS DRAWING SHALL NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER.

NO.	DESCRIPTION	DATE

**CONSULTANTS**

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**ENGINEER OF RECORD**

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**Office of Construction and Facilities Management**

VA U.S. Department of Veterans Affairs

Drawing Title <b>ELECTRICAL STORAGE PART PLAN, PHASE 3</b>	Phase <b>100% BID SET</b>
Approved: Project Director	FULLY SPRINKLERED

Project Title <b>INSTALL NEW BOILERS IN BUILDING 13</b>	Project Number <b>589A7-18-302</b>
Location ROBERT J. DOLE VA MEDICAL CENTER WICHITA, KANSAS	Building Number <b>13</b>
Issue Date 2021-09-03	Drawing Number <b>13-E-401.03</b>
Checked ARH	Drawn ARH