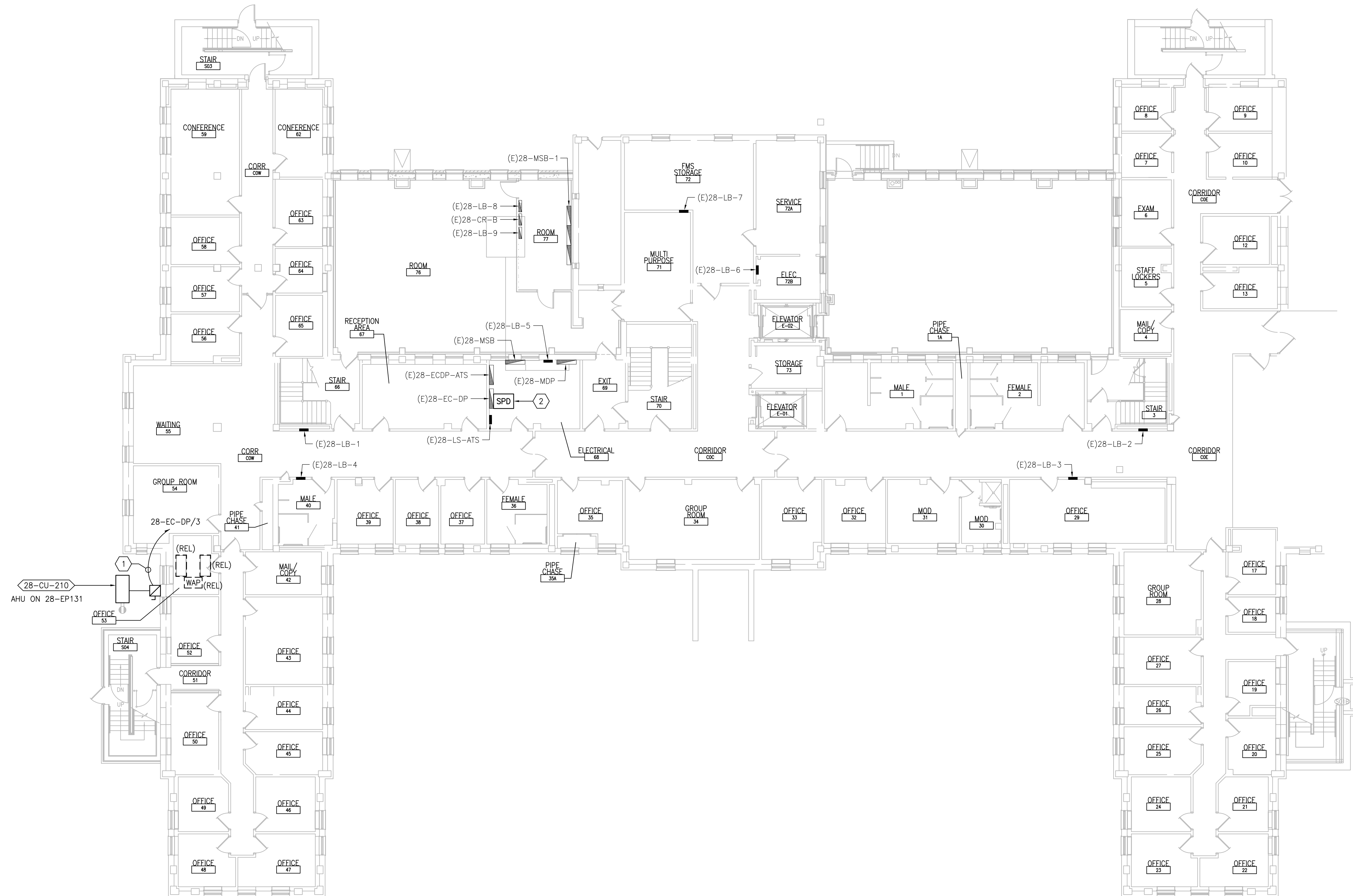


GENERAL SHEET NOTES:

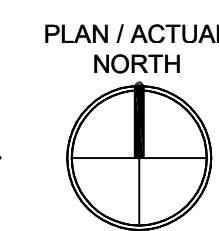
1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
4. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON 0101 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
5. AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
6. REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
7. COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
8. REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
9. CONDENSING UNITS AND PACKAGED AHU'S: UNITS ARE PROVIDED WITH A FACTORY WIRED 120V RECEPTACLE SHOWN IN GRAY-SCALE (FOR REFERENCE ONLY).

SHEET KEYNOTES:

1. PROVIDE 30A/3P/25AF FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. CONNECT TO ADJACENT CU AND INDICATED CIRCUIT WITH (3)#10 + (1)#10G IN 3/4"Ø. PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF DISCONNECT SWITCH ON WALL.
2. PROVIDE SPD IN NEMA 1 ENCLOSURE BELOW OR ADJACENT TO ASSOCIATED PANEL. MAKE FINAL CONNECTIONS. REFER TO SHEET E-701.



1 BASEMENT - POWER PLAN
SCALE: 3/32" = 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

PROJECT TEAM

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Miller-Remick LLC
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FAX: (856)429-9002
MR PROJECT NO: 0376-0011

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL BASEMENT - POWER PLAN

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS
NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date
2022-07-15

Checked
RC

Drawn
DR

Project Number
656-18-300

Building Number
28

Drawing Number
28-E-101

GENERAL SHEET NOTES:

- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SHEET 28-E-101 FOR LOCATION OF PANEL 28-EC-DP.
- REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON 0101 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES (ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
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- COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
- REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
- CONDENSING UNITS AND PACKAGED AHU'S: UNITS ARE PROVIDED WITH A FACTORY WIRED 120V RECEPTACLE SHOWN IN GRAY-SCALE (FOR REFERENCE ONLY).

SHEET KEYNOTES:

- PROVIDE 30A/3P/25AF FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. CONNECT TO ADJACENT CU AND INDICATED CIRCUIT WITH (3)#8 + (1)#10G IN 1" C. PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF DISCONNECT SWITCH ON WALL.



1 FIRST FLOOR - POWER PLAN
SCALE: 3/32" = 1'-0"
PLAN / ACTUAL NORTH

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

NO.	DESCRIPTION	DATE

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MR PROJECT NO: 0376-0011

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL FIRST FLOOR - POWER PLAN

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS
NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date
2022-07-15

Checked
RC

Drawn
DR

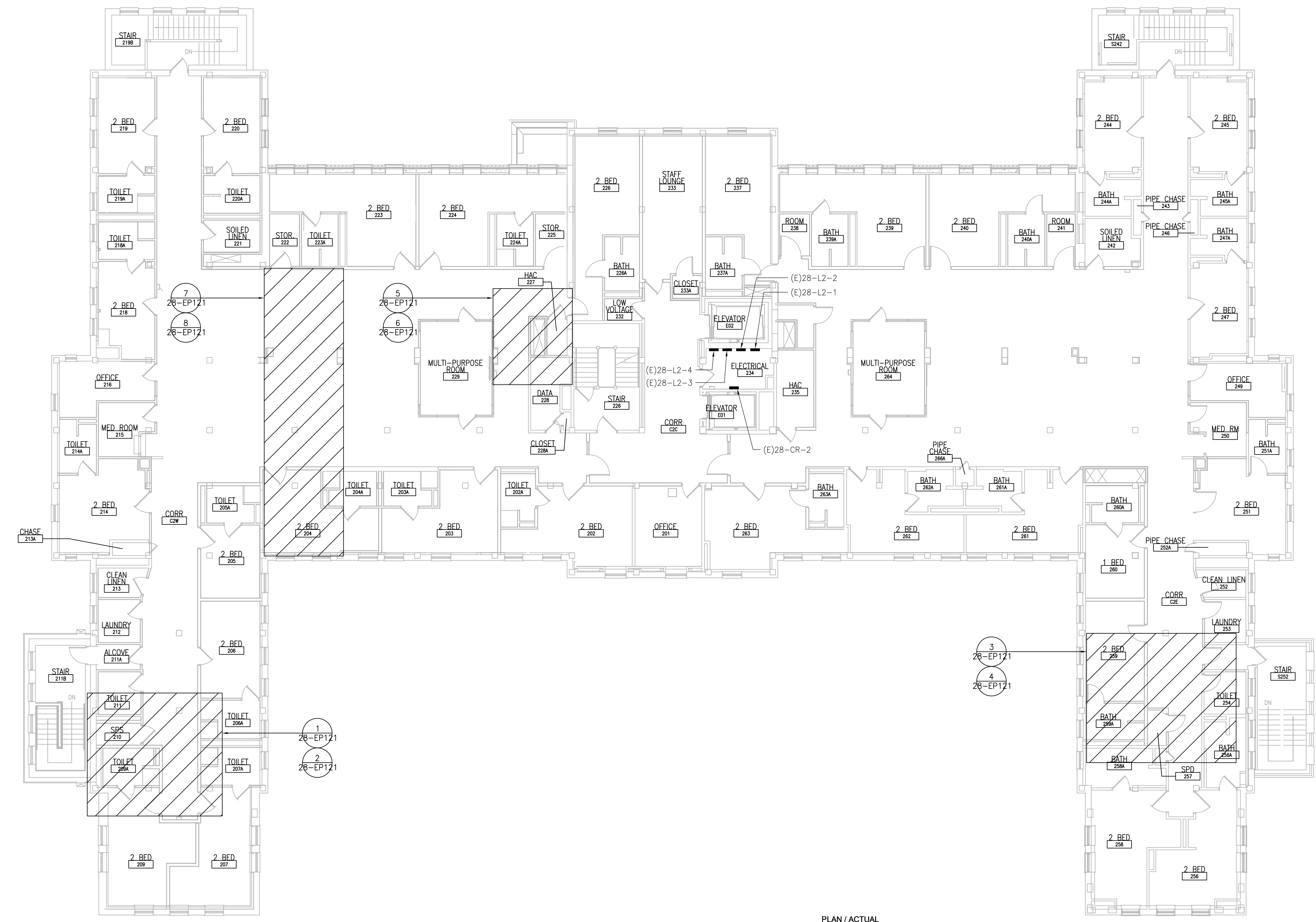
Project Number
656-18-300

Building Number
28

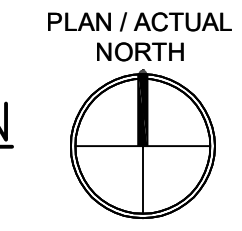
Drawing Number
28-E-111

GENERAL SHEET NOTES:

1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
3. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G1001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
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1 SECOND FLOOR -- POWER PLAN
SCALE: 3/32" = 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

PROJECT TEAM

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FAX: (856)439-9002
MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Electrical SECOND FLOOR - POWER PLAN

Approved: Project Director

Phase: 100% CONSTRUCTION DOCUMENTS NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title: UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location: ST. CLOUD VA MEDICAL CENTER, MN

Issue Date: 2022-07-15

Checked: RC	Drawn: DR
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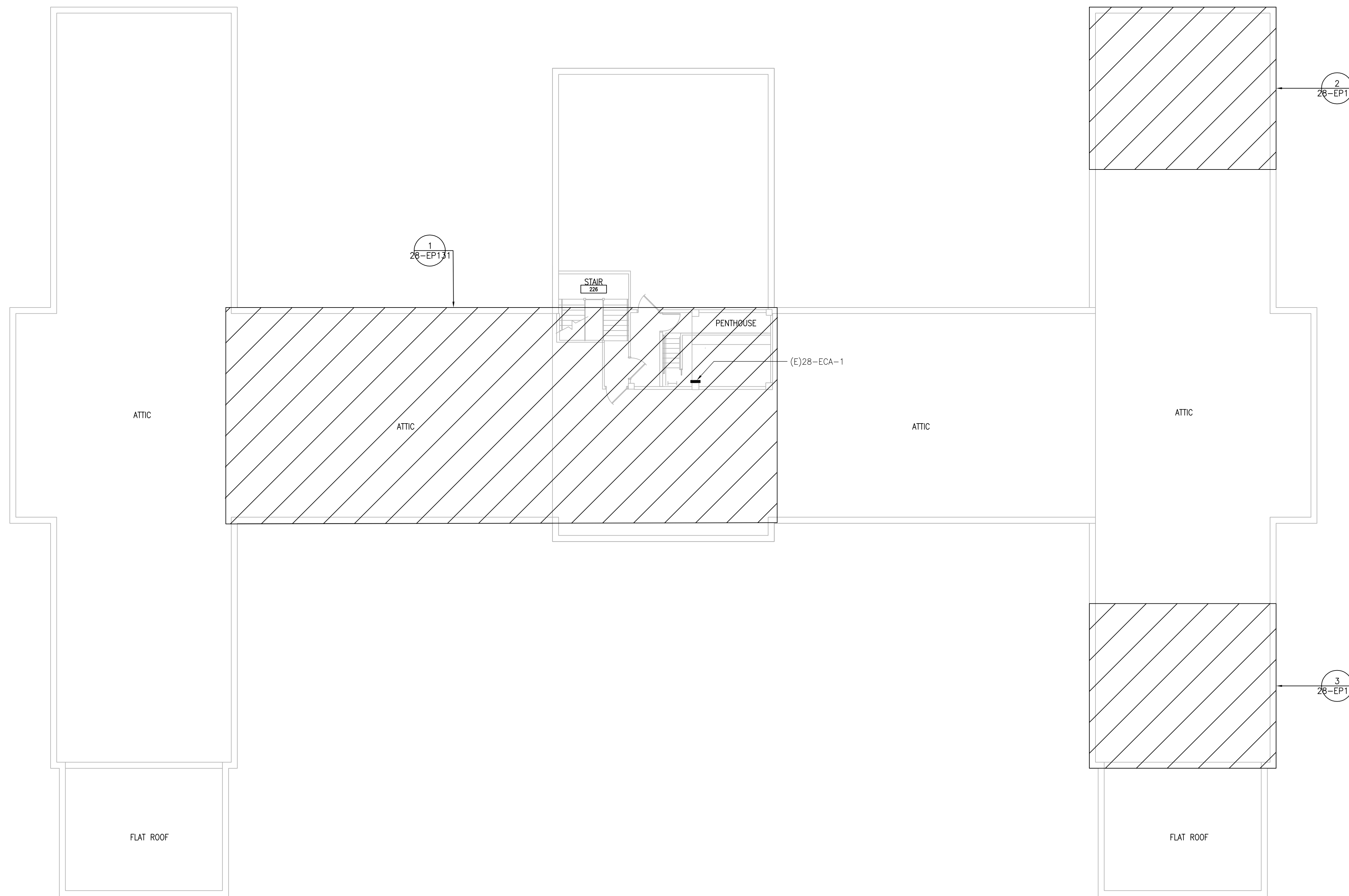
Project Number: 656-18-300

Building Number: 28

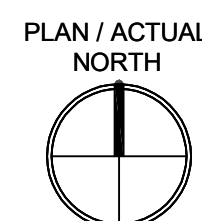
Drawing Number: 28-E-121

GENERAL SHEET NOTES:

1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILING.
3. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
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6. COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.



1 ATTIC -- POWER PLAN
SCALE: 3/32" = 1'-0"



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
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

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

NO.	DESCRIPTION	DATE

PROJECT TEAM



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MR PROJECT NO: 0376-0011

**MILLER-REMICK LLC
PROFESSIONAL ENGINEER**

**Office of
Construction
and Facilities
Management**

VA U.S. Department
of Veterans Affairs

Drawing Title ELECTRICAL ATTIC - POWER PLAN
Approved: Project Director

Phase 100% CONSTRUCTION DOCUMENTS NOT FOR CONSTRUCTION
FULLY SPRINKLERED

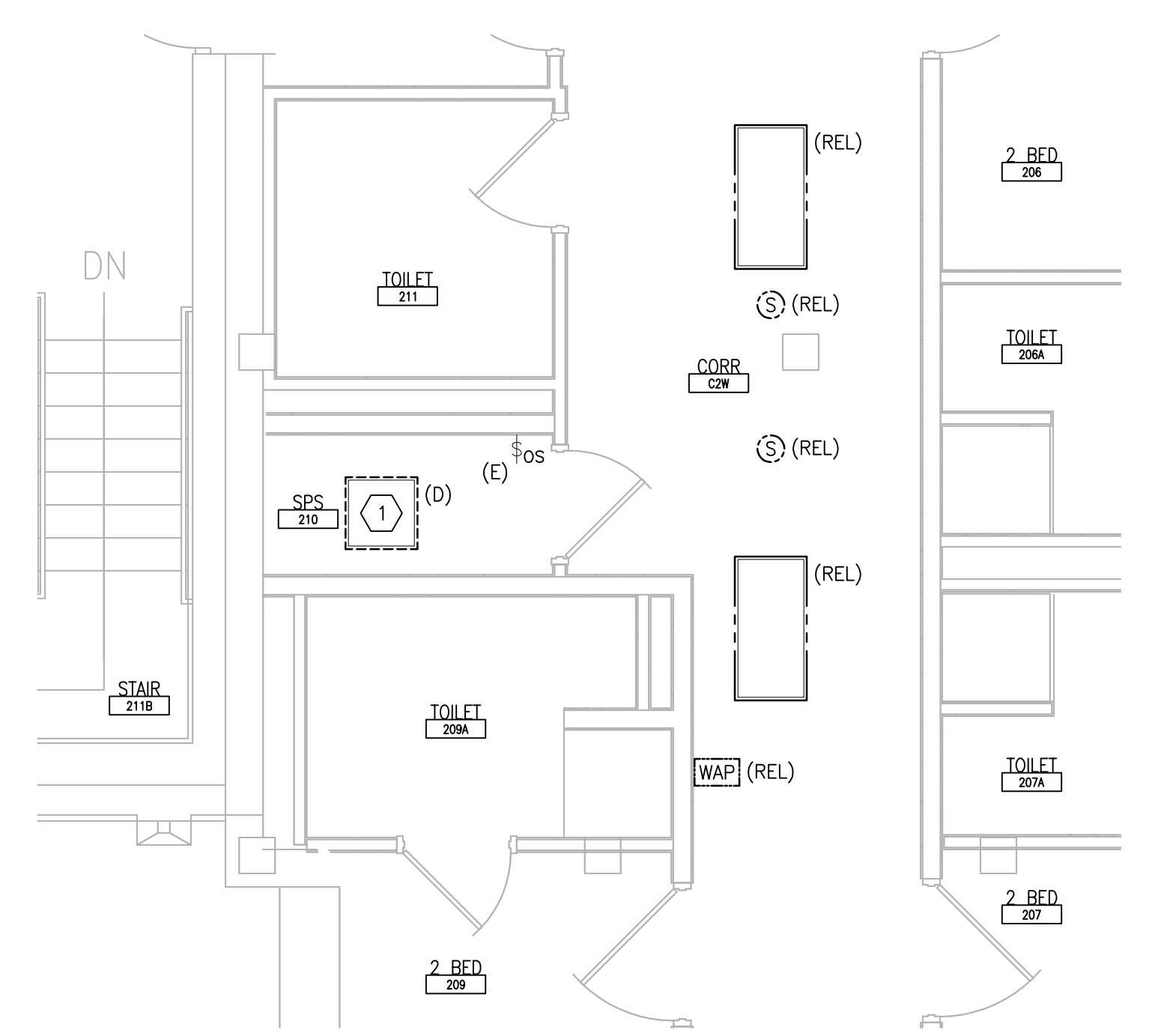
Project Title UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS	Project Number 656-18-300
Location ST. CLOUD VA MEDICAL CENTER, MN	Building Number 28
Issue Date 2022-07-15	Checked RC
Drawn DR	Drawing Number 28-E-131

GENERAL SHEET NOTES:

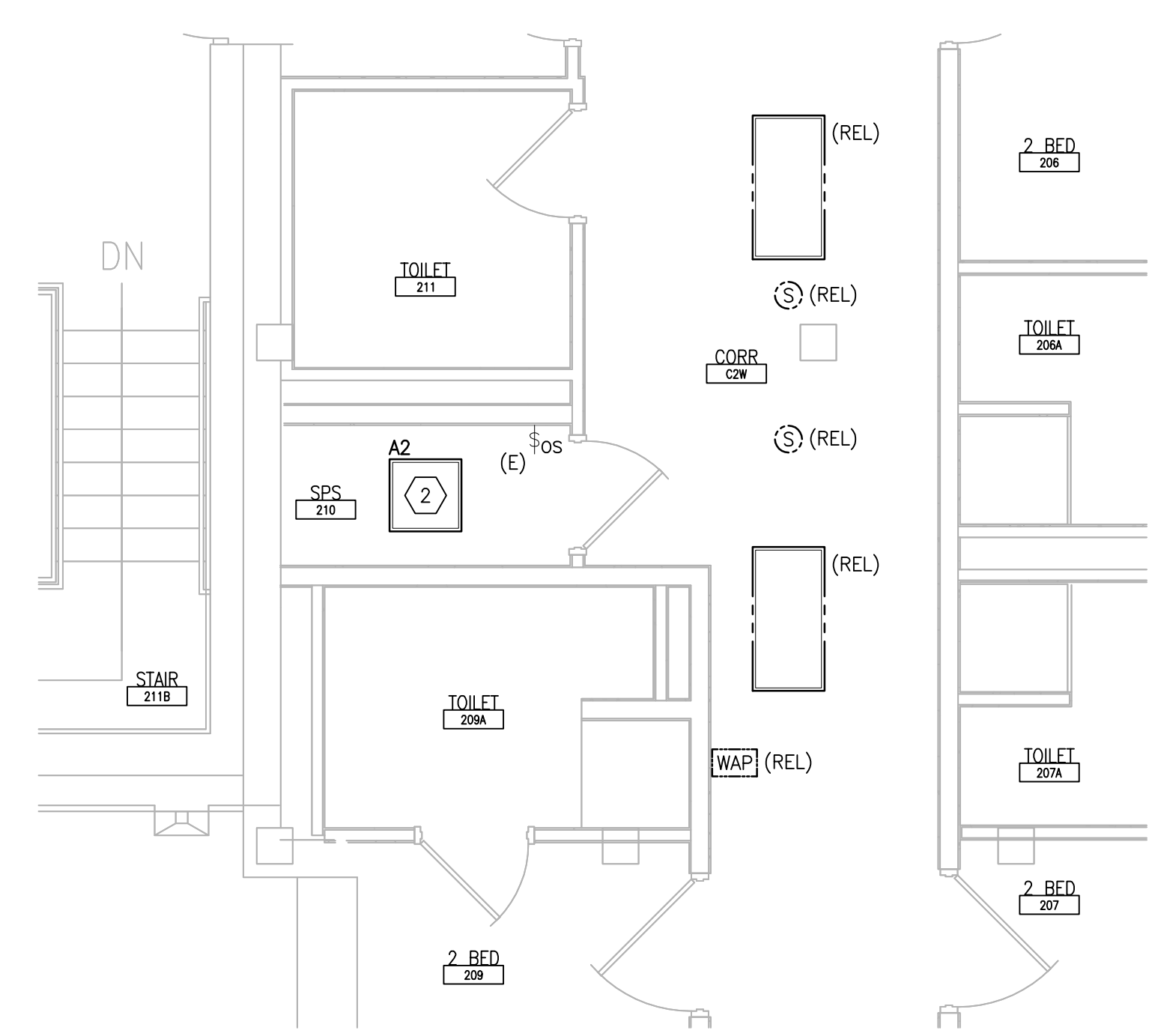
1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO SHEET 28-E-121 FOR LOCATION OF PANELBOARDS ON FLOOR.
3. REFER TO SERIES E-700 SHEETS FOR LIGHTING FIXTURE SCHEDULE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
5. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G101 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
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7. REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
8. COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
9. REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
10. DEVICE/LIGHTING FIXTURE LABELED AS (REL) SHALL BE DISCONNECTED AND REMOVED DURING CONSTRUCTION. UPON INSTALLATION OF NEW CEILING IN THE SPACE, RE-INSTALL AND CONNECT EXISTING DEVICE/LIGHTING FIXTURE. PROTECT WIRING AND DEVICE/LIGHTING FIXTURE DURING CONSTRUCTION.
11. OCCUPANCY SENSOR WALL SWITCH SHOWN ON DRAWING SHALL BE CONNECTED TO NEW LIGHTING FIXTURE(S) WITHIN THE SAME SPACE.

SHEET KEYNOTES:

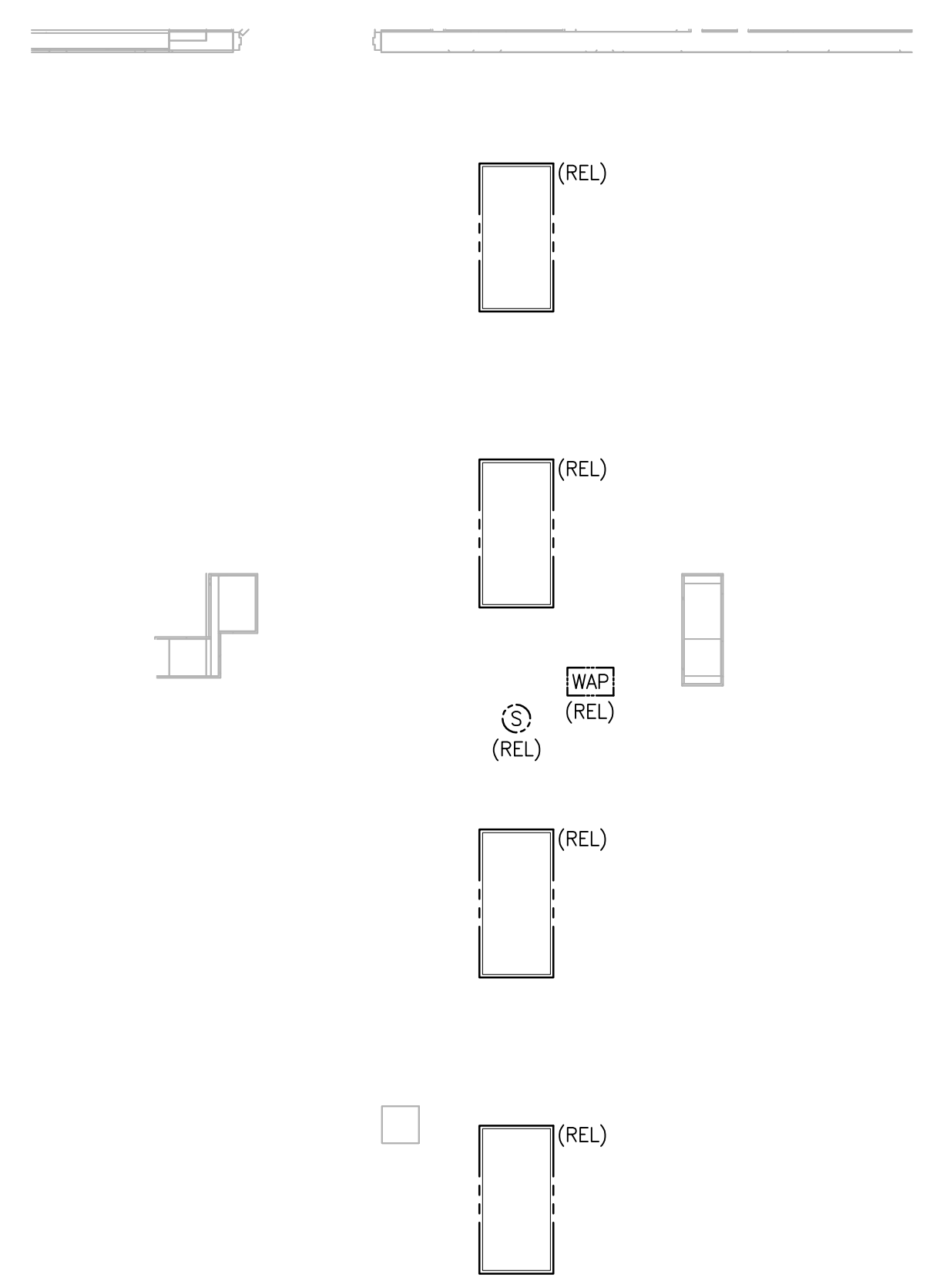
1. DISCONNECT AND REMOVE EXISTING LIGHTING CIRCUIT. PROTECT BRANCH CIRCUIT DURING CONSTRUCTION.
2. PROVIDE NEW LIGHTING FIXTURE AND CONNECT TO EXISTING BRANCH CIRCUIT PREVIOUSLY FEEDING DEMOLISHED LIGHTING FIXTURE. CONNECT TO EXISTING ROOM LIGHTING CONTROLS. PROVIDE ADDITIONAL CONDUIT AND WIRING AS NEEDED.



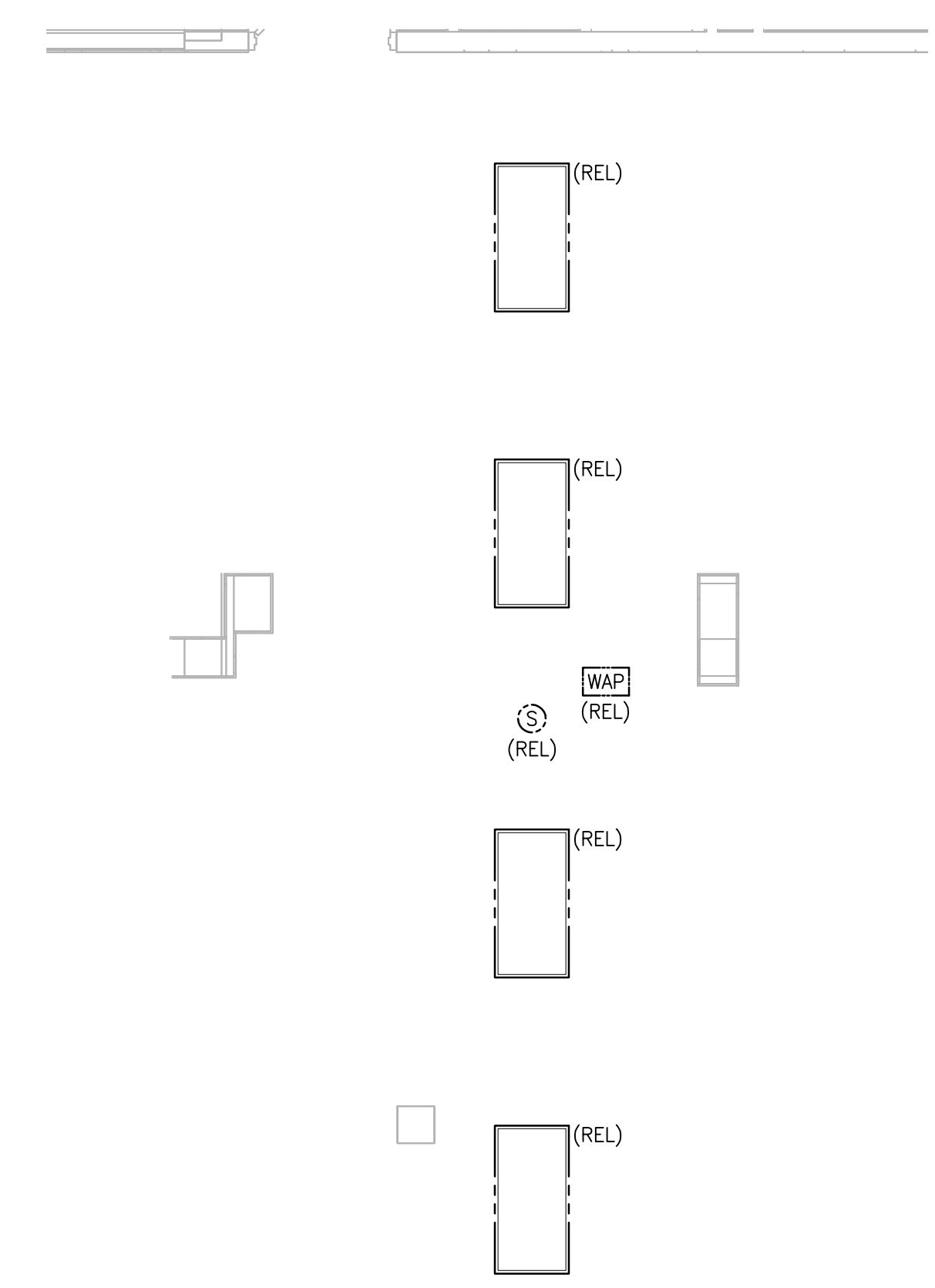
1 SECOND FLOOR ROOM 210 – DEMOLITION
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



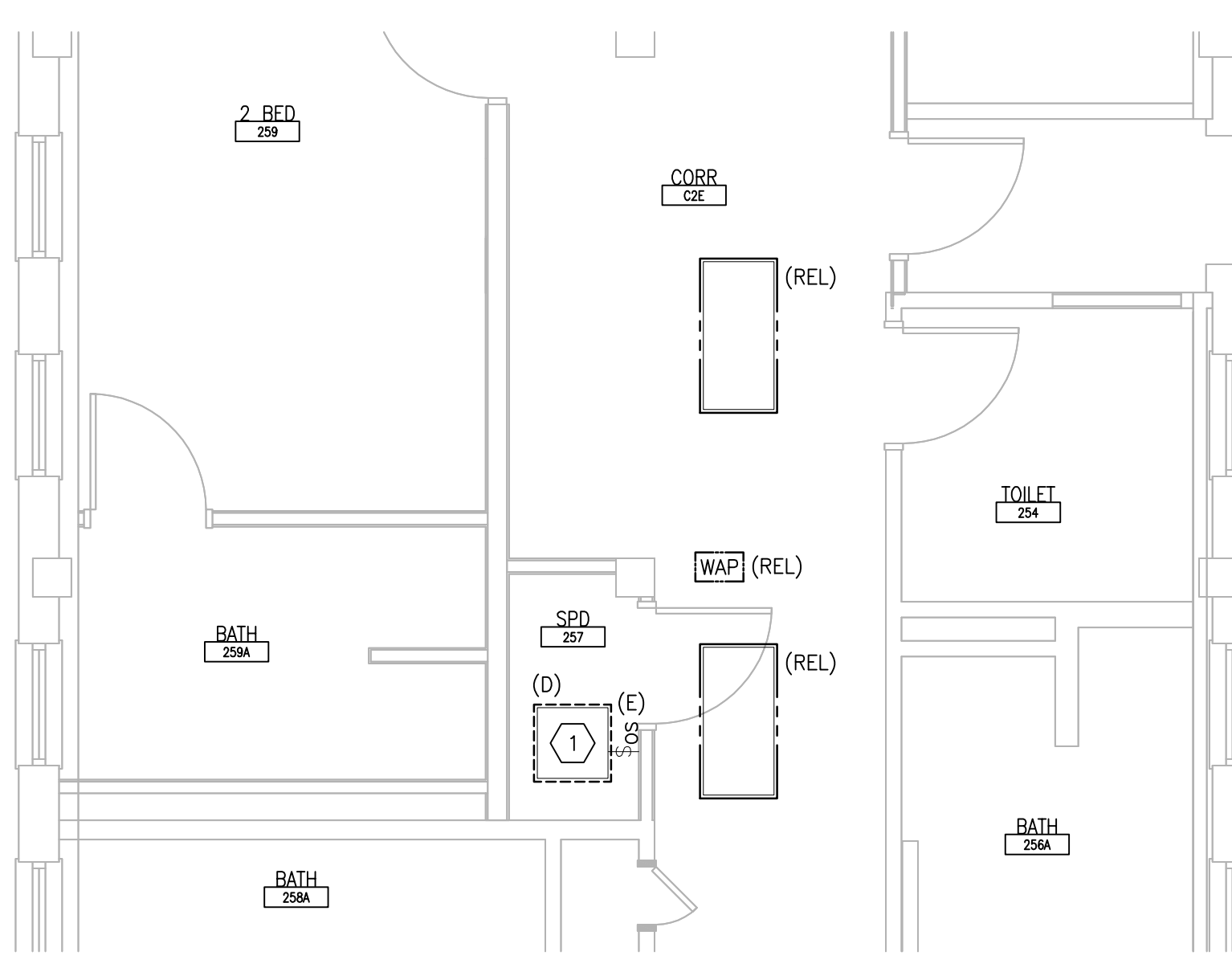
2 SECOND FLOOR ROOM 210 – NEW WORK
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



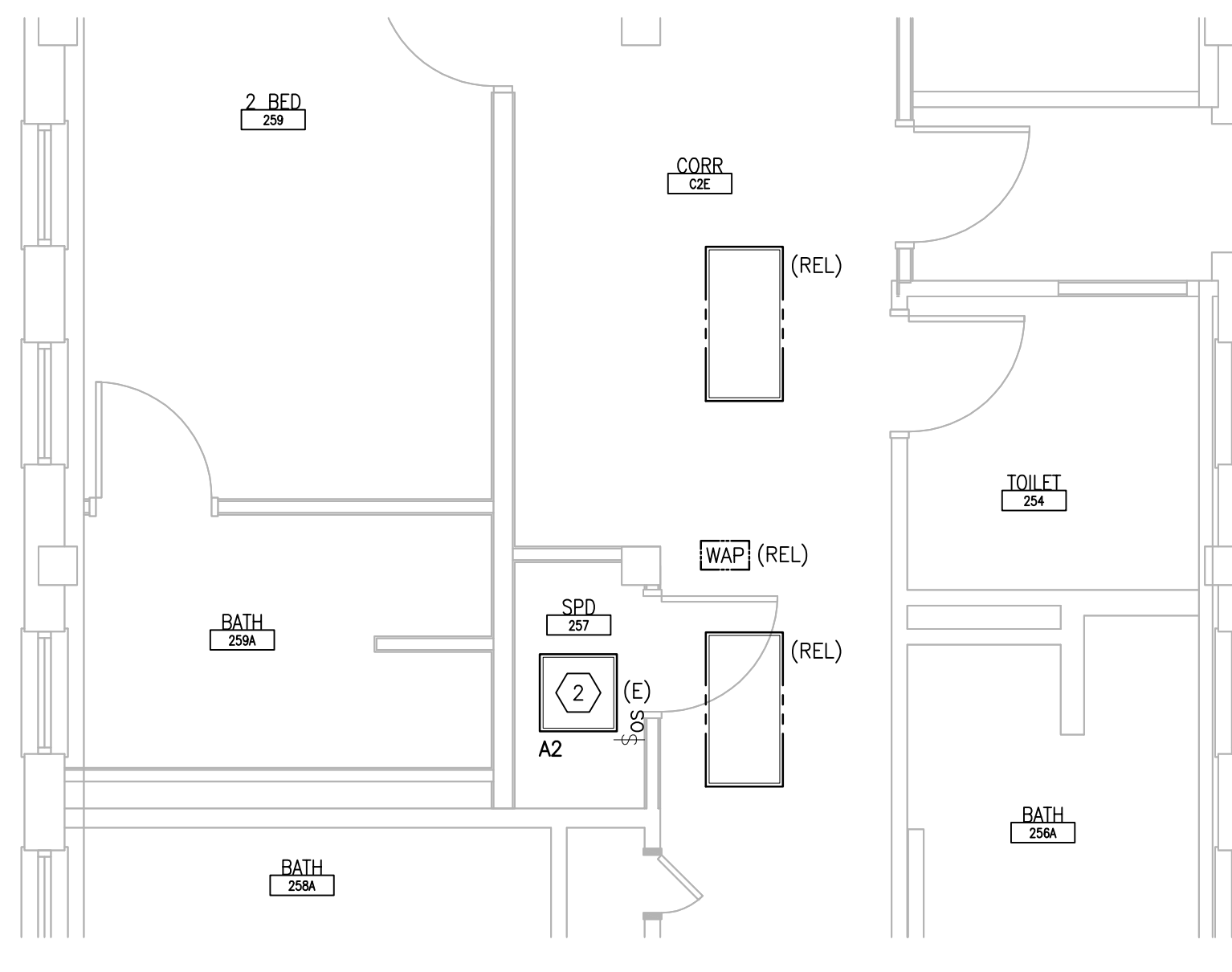
7 SECOND FLOOR ROOM 204 – DEMOLITION
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



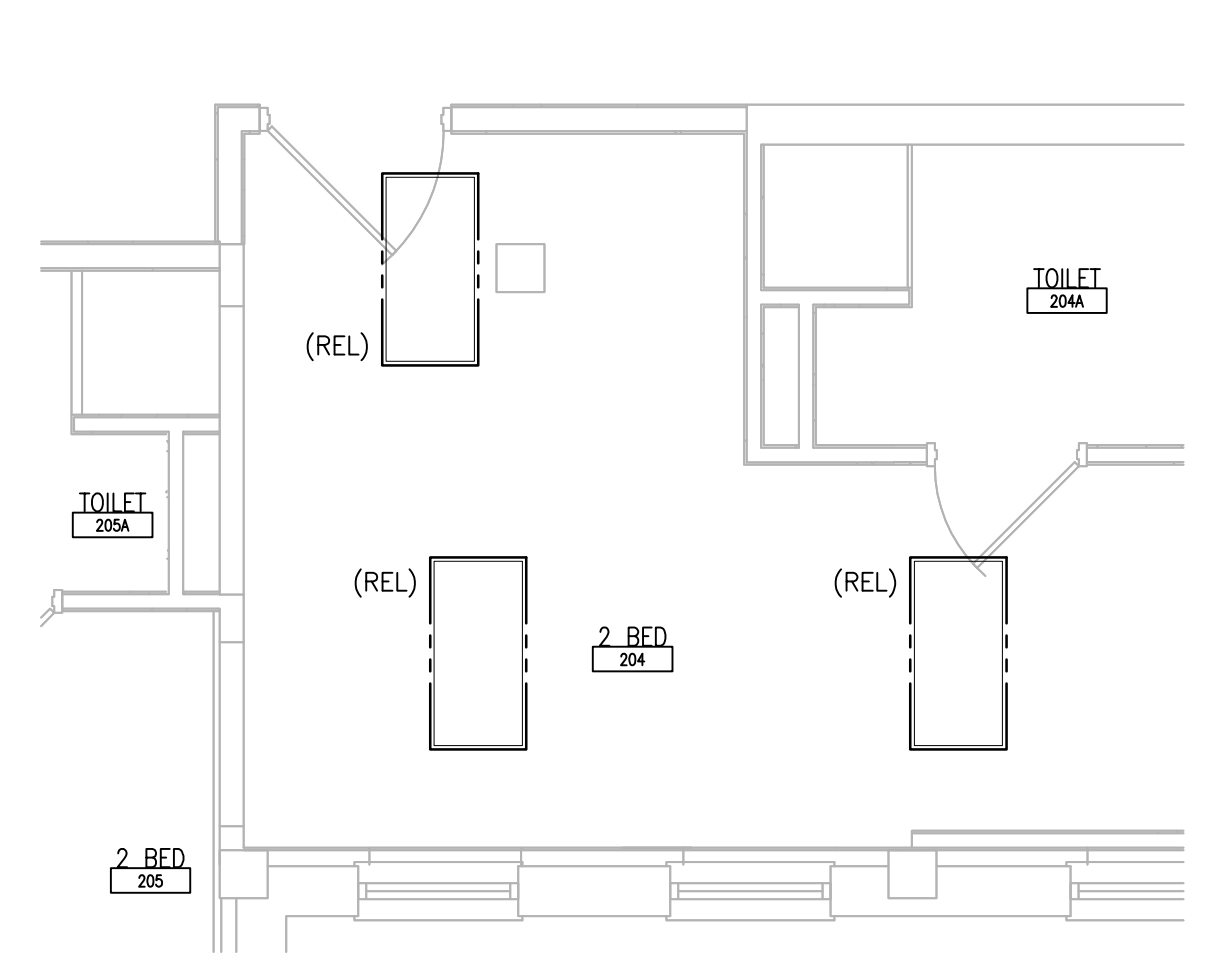
8 SECOND FLOOR ROOM 204 – NEW WORK
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



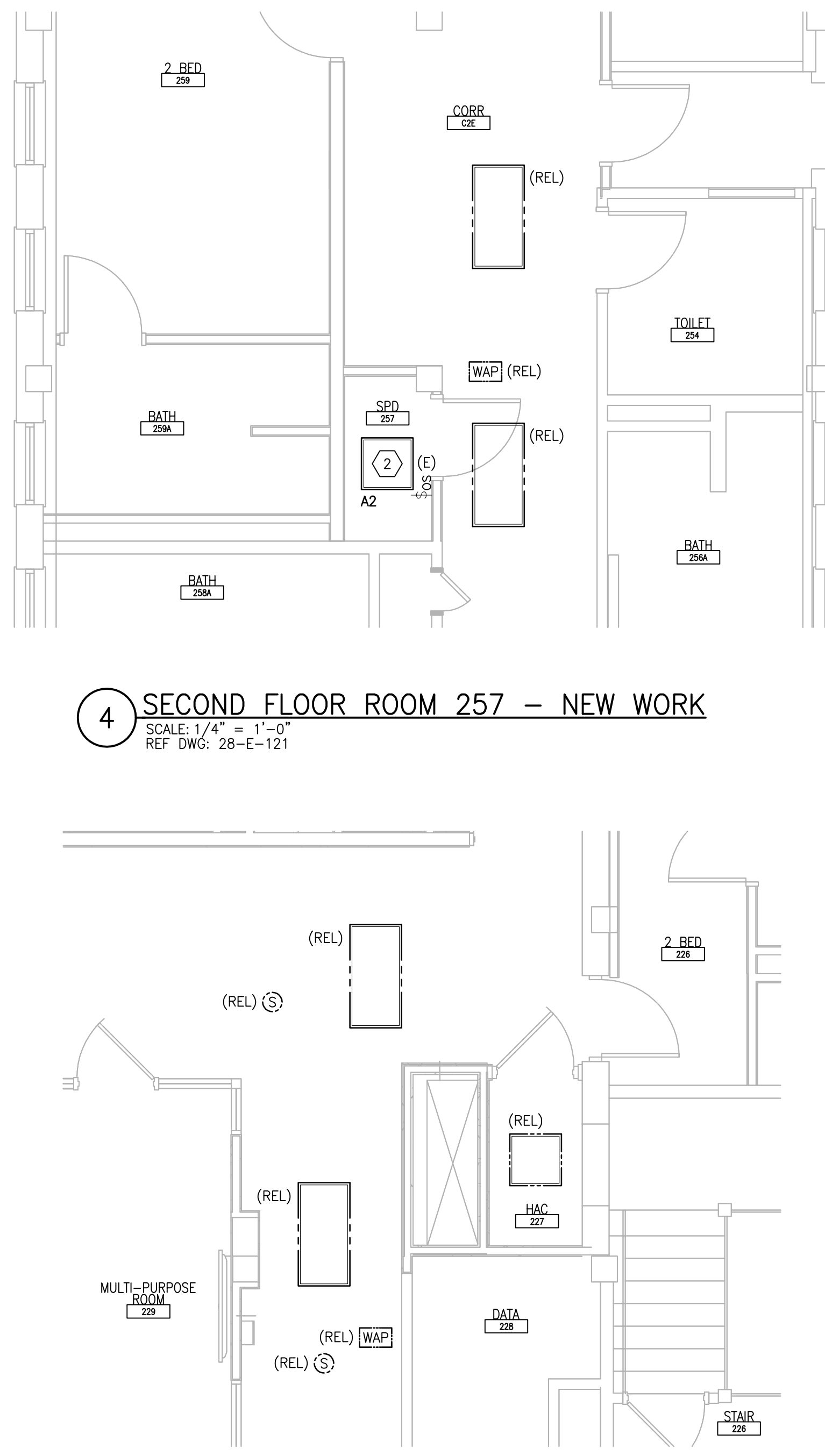
3 SECOND FLOOR ROOM 257 – DEMOLITION
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



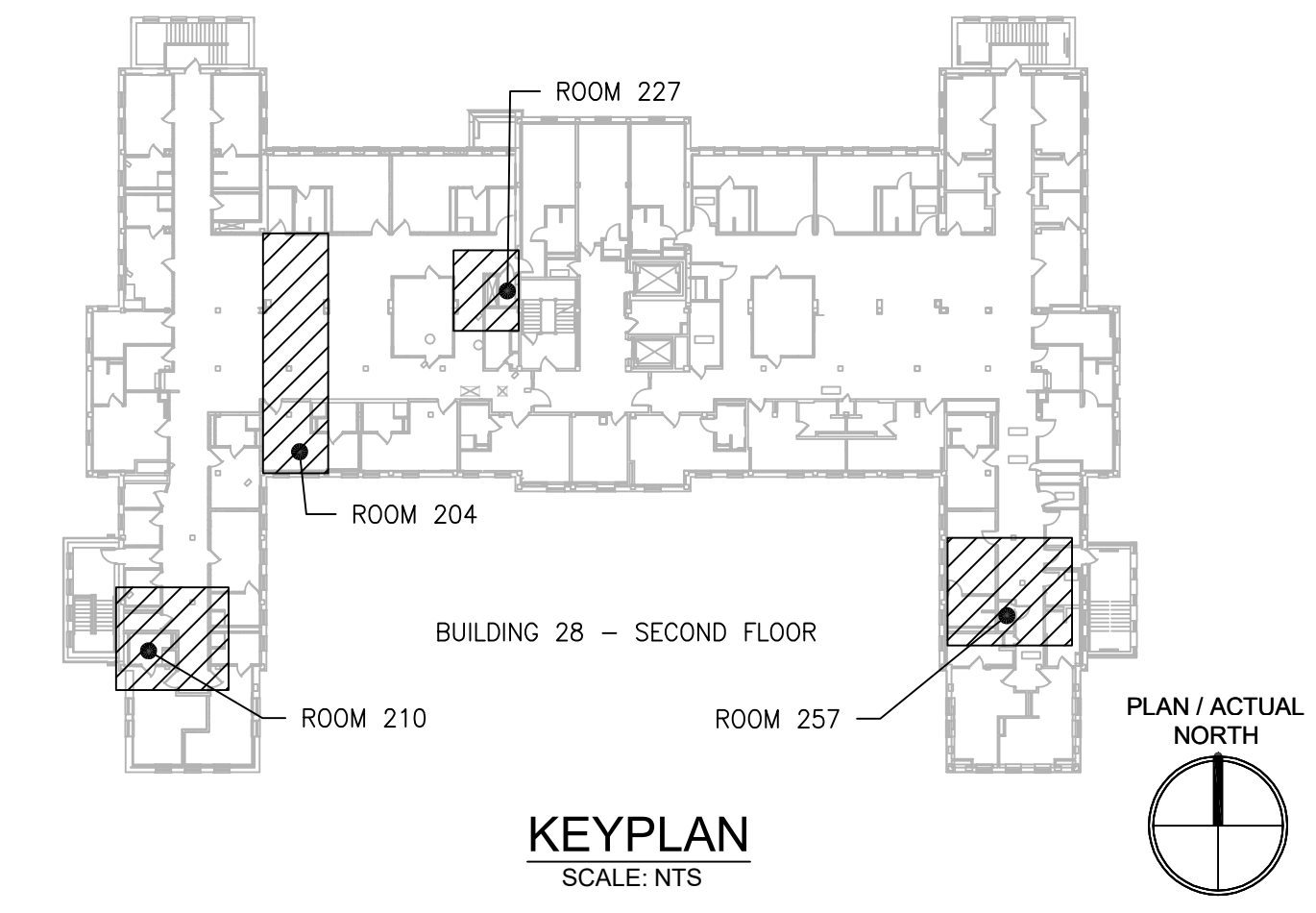
4 SECOND FLOOR ROOM 257 – NEW WORK
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



5 SECOND FLOOR ROOM 227 – DEMOLITION
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



6 SECOND FLOOR ROOM 227 – NEW WORK
SCALE: 1/4" = 1'-0"
REF DWG: 28-E-121



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

NO.	DESCRIPTION	DATE

PROJECT TEAM

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MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
**ELECTRICAL
SECOND FLOOR - DEMOLITION & NEW
WORK PART PLANS**

Approved: Project Director

Phase
100% CONSTRUCTION
DOCUMENTS
NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
**UPGRADE SPS HVAC &
ENVIRONMENTAL CONTROLS**

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date	Checked	Drawn
2022-07-15	RC	DR

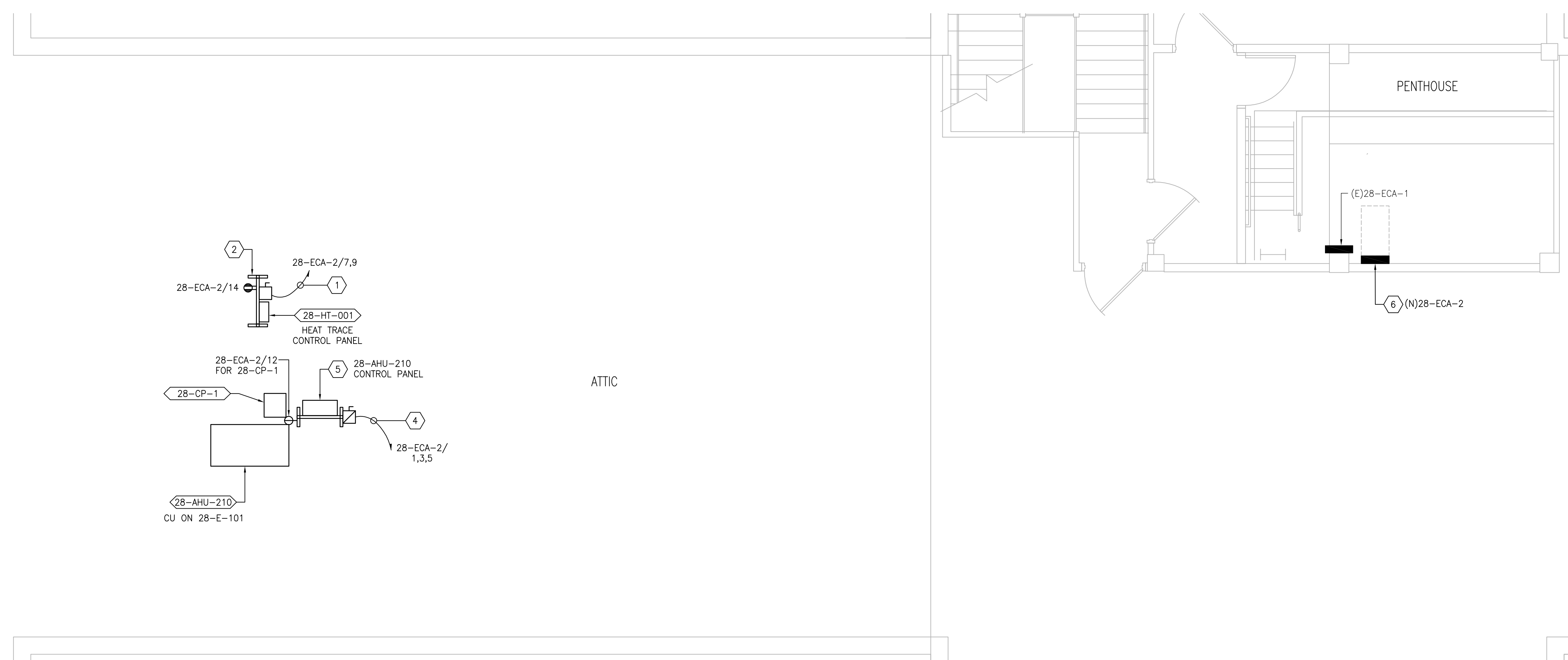
Project Number
656-18-300

Building Number
28

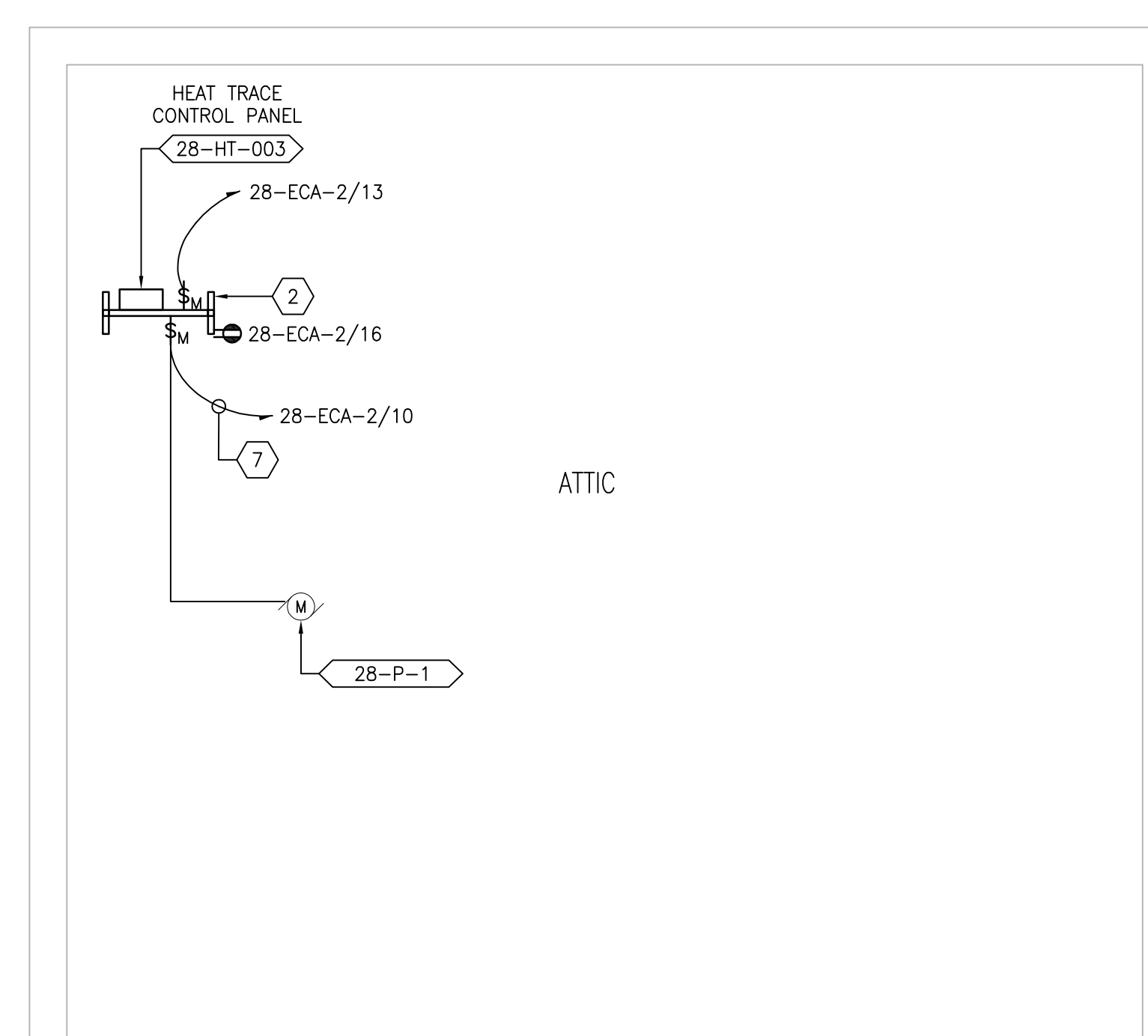
Drawing Number
28-EP121

GENERAL SHEET NOTES:

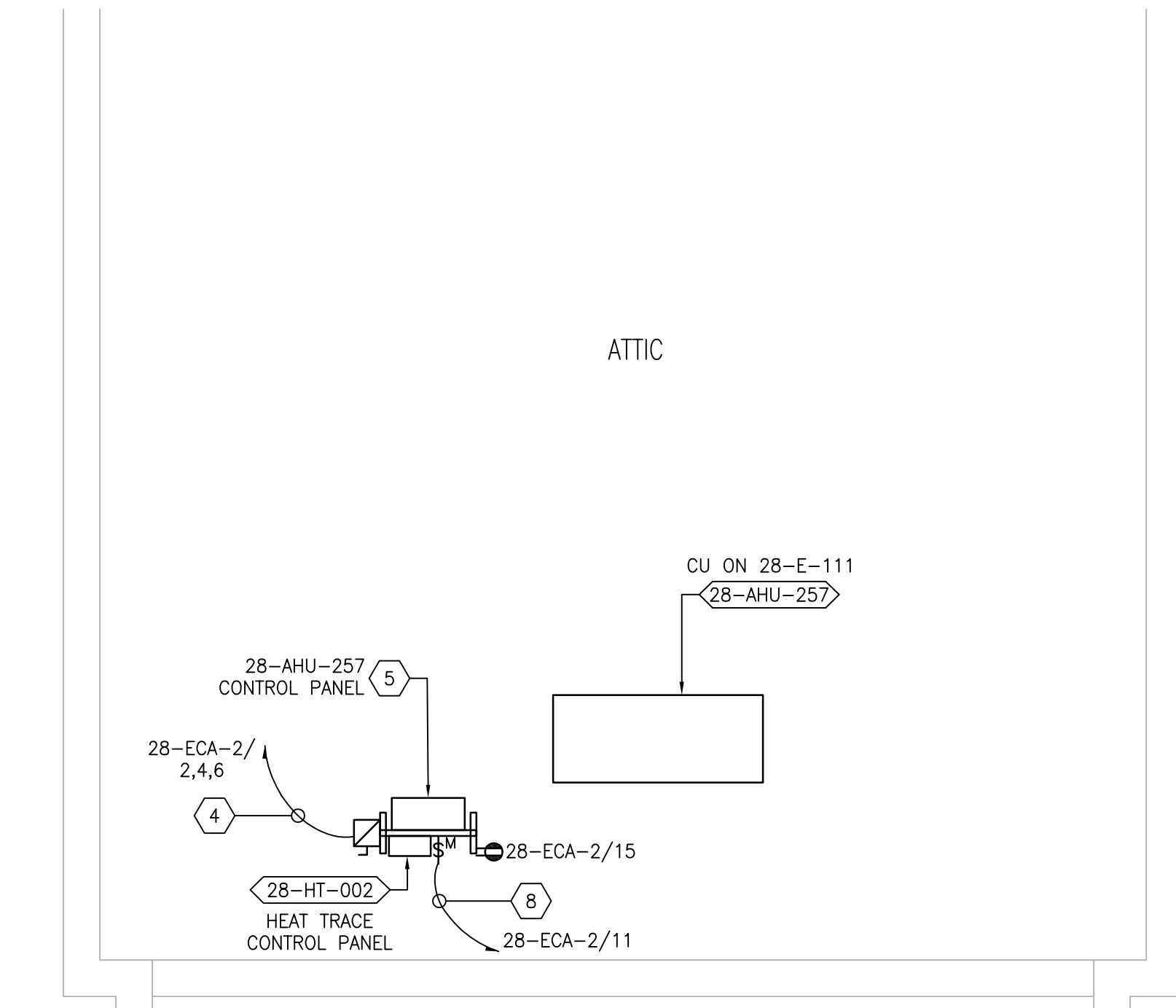
- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SHEET 28-E-101 FOR LOCATION OF PANEL 28-EC-DP.
- REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON 0101 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES (ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
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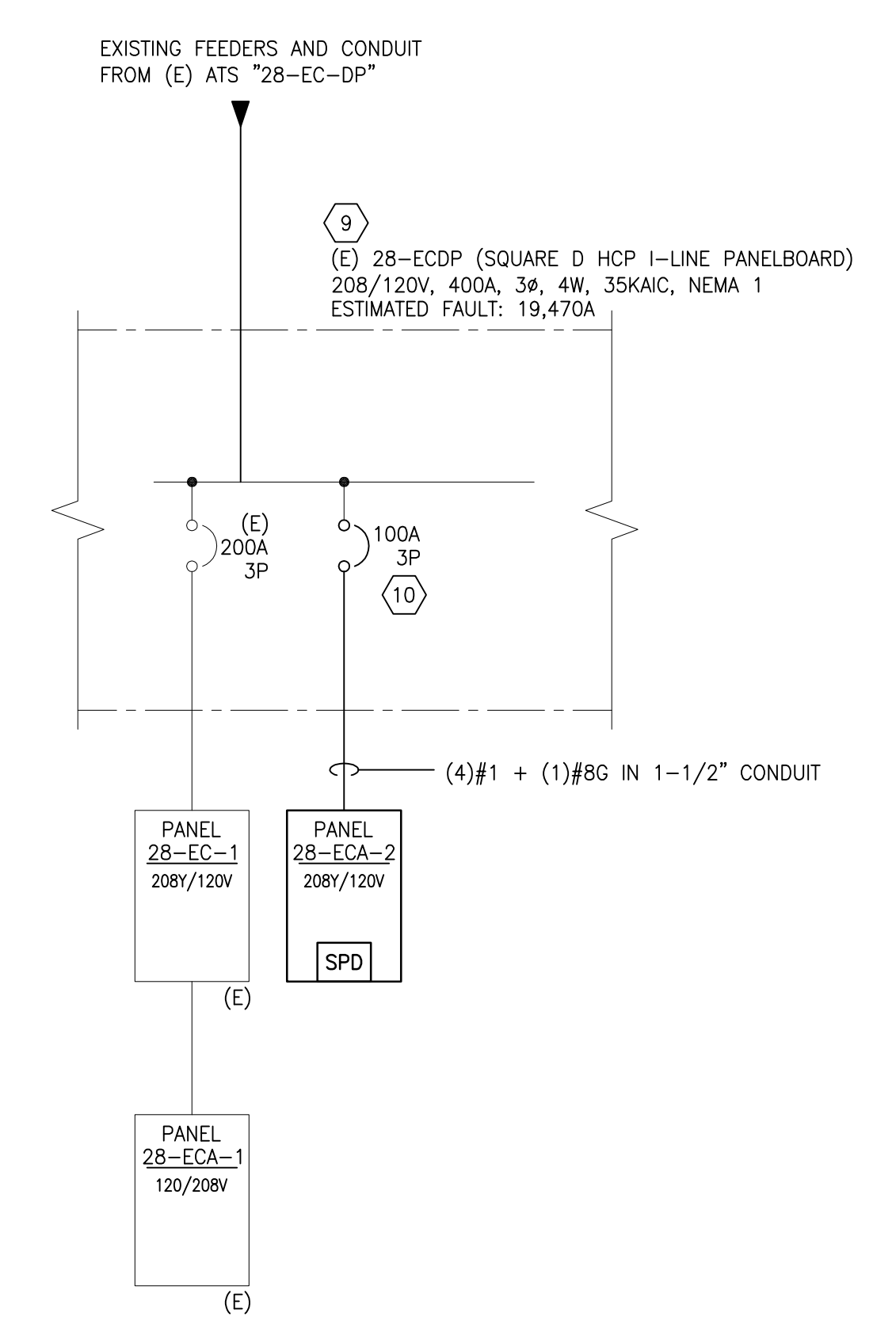
1 ATTIC NORTHWEST - NEW WORK PART PLAN
 SCALE: 1/4" = 1'-0"
 REF DWG: 28-E-131



2 ATTIC NORTHEAST - NEW WORK PART PLAN
 SCALE: 1/4" = 1'-0"
 REF DWG: 28-E-131



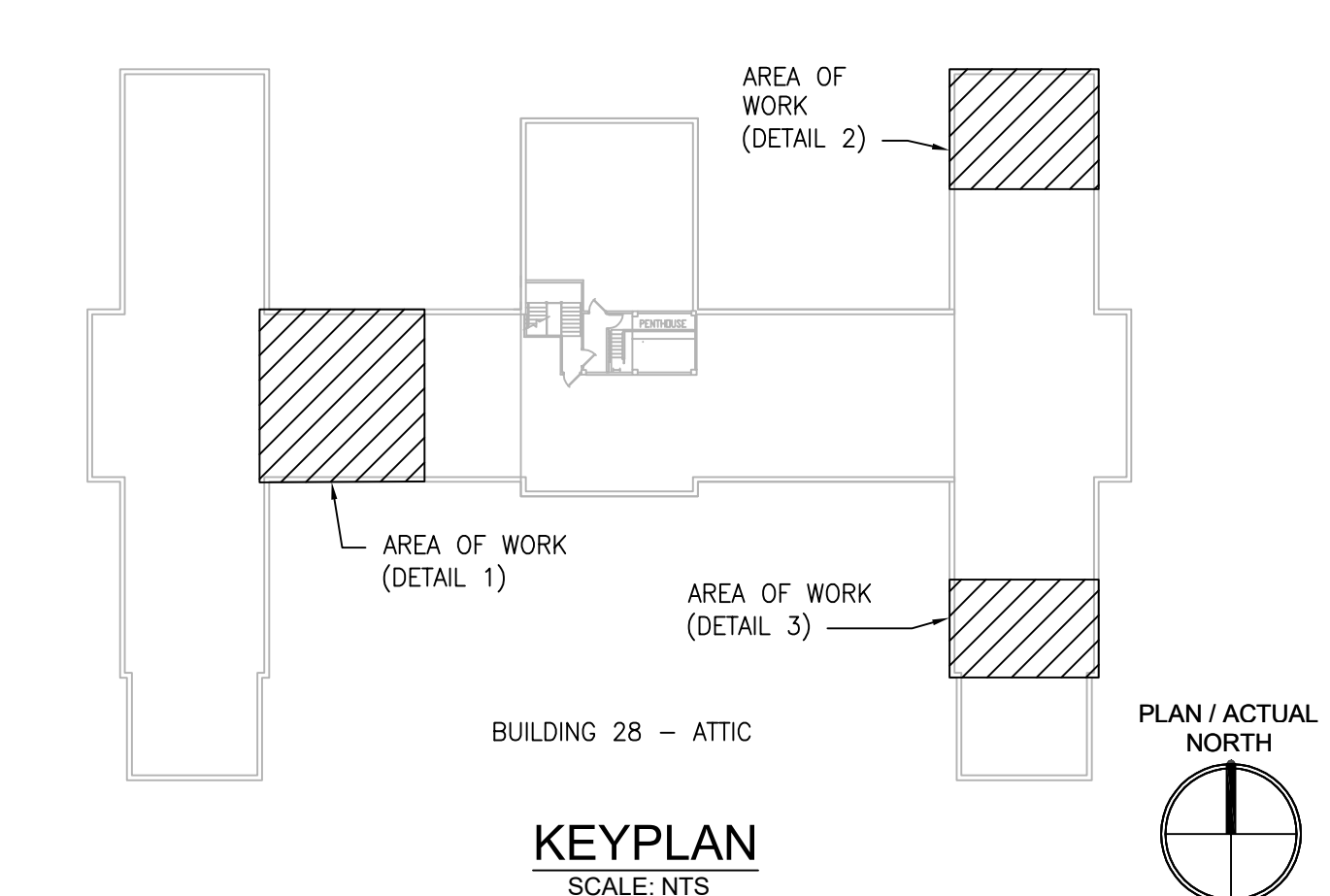
3 ATTIC SOUTHEAST - NEW WORK PART PLAN
 SCALE: 1/4" = 1'-0"
 REF DWG: 28-E-131



4 - PARTIAL SINGLE LINE DIAGRAM
 SCALE: NTS

SHEET KEYNOTES:

- PROVIDE 30A/3P/NF DISCONNECT SWITCH IN NEMA 1 ENCLOSURE; MOUNT ON UNISTRUT FRAME. ROUTE (3)#12 + (1)#12G IN 3/4" TO INDICATED PANEL AND ADJACENT HEAT TRACE CONTROL PANEL. HEAT TRACE PANEL PROVIDED BY MECHANICAL CONTRACTOR. MAKE ALL FINAL CONNECTIONS. COORDINATE LOCATION.
- PROVIDE UNISTRUT FRAME FOR MOUNTING OF EQUIPMENT/DEVICES SHOWN. ANCHOR INTO CONCRETE FLOOR.
- PROVIDE SPD IN NEMA 1 ENCLOSURE BELOW OR ADJACENT TO PANEL 28-ECA-2. PROVIDE WITH 30A/3P BREAKER AND (3)#10 + (1)#10G IN 3/4" CONDUIT. MAKE FINAL CONNECTIONS.
- PROVIDE 30A/3P/15AF FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. CONNECT TO ADJACENT CONTROL PANEL AND INDICATED CIRCUIT WITH (3)#12 + (1)#12G IN 3/4". MOUNT DISCONNECT SWITCH ON UNISTRUT FRAME PROVIDED BY MECHANICAL CONTRACTOR.
- FACTORY PRE-WIRED AHU CONTROL PANEL MOUNTED ON UNISTRUT FRAME, WITH 6"-0" INTERCONNECTING WIRING TO ASSOCIATED AHU, PROVIDED BY MECHANICAL CONTRACTOR. MAKE ALL FINAL CONNECTIONS.
- PROVIDE NEW PANEL WITH RED ENGRAVED LABEL WITH WHITE LETTERS "28-ECA-2". LABEL SHALL INCLUDE VOLTAGE, AMPERAGE, AIC RATING AND FEED SOURCE. RELOCATE EXISTING WALL-MOUNTED SHELVING AS REQUIRED TO COMPLY WITH NEC REQUIREMENTS FOR WORKING SPACE AND DEDICATED EQUIPMENT SPACE. PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF PANELBOARD ON WALL.
- PROVIDE MOTOR-RATED SWITCH WITH INDICATOR LIGHT. COORDINATE LOCATION. MAKE FINAL CONNECTIONS TO INDICATED CIRCUIT AND ADJACENT PUMP.
- PROVIDE 20A TOGGLE SWITCH WITH INDICATOR LIGHT; MOUNT ON UNISTRUT FRAME. ROUTE (2)#12 + (1)#12G IN 3/4" TO INDICATED PANEL AND ADJACENT HEAT TRACE CONTROL PANEL. HEAT TRACE PANEL PROVIDED BY MECHANICAL CONTRACTOR. MAKE ALL FINAL CONNECTIONS. COORDINATE LOCATION.
- PROVIDE A 60-DAY MINIMUM LOAD READING (15 MINUTE INTERVAL) FOR THE ENGINEER TO REVIEW.
- REMOVE THREE EXISTING 20A/1P CIRCUIT BREAKERS FROM EXISTING DISTRIBUTION PANELBOARD BY SQUARE D MODEL HCP, 208/120V, 3 PHASE, 4 WIRE, CAT. NO. 12231750040070001 AND TURN OVER TO VA COR. PROVIDE A NEW 3 POLE CIRCUIT BREAKER IN EXISTING PANELBOARD. IT SHALL COMPATIBLE WITH THE EXISTING PANELBOARD AND MATCH THE APPROPRIATE AIC RATING AS THE PANELBOARD.



KEYPLAN
 SCALE: NTS

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

NO.	DESCRIPTION	DATE

PROJECT TEAM

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 M.E.P. & Structural Engineering
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 FAX: (856)439-9002
 MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
 PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL ATTIC - NEW WORK PART PLANS

Approved: Project Director

Phase
 100% CONSTRUCTION DOCUMENTS NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date
 2022-07-15

Checked
 RC

Drawn
 DR

Project Number
656-18-300

Building Number
 28

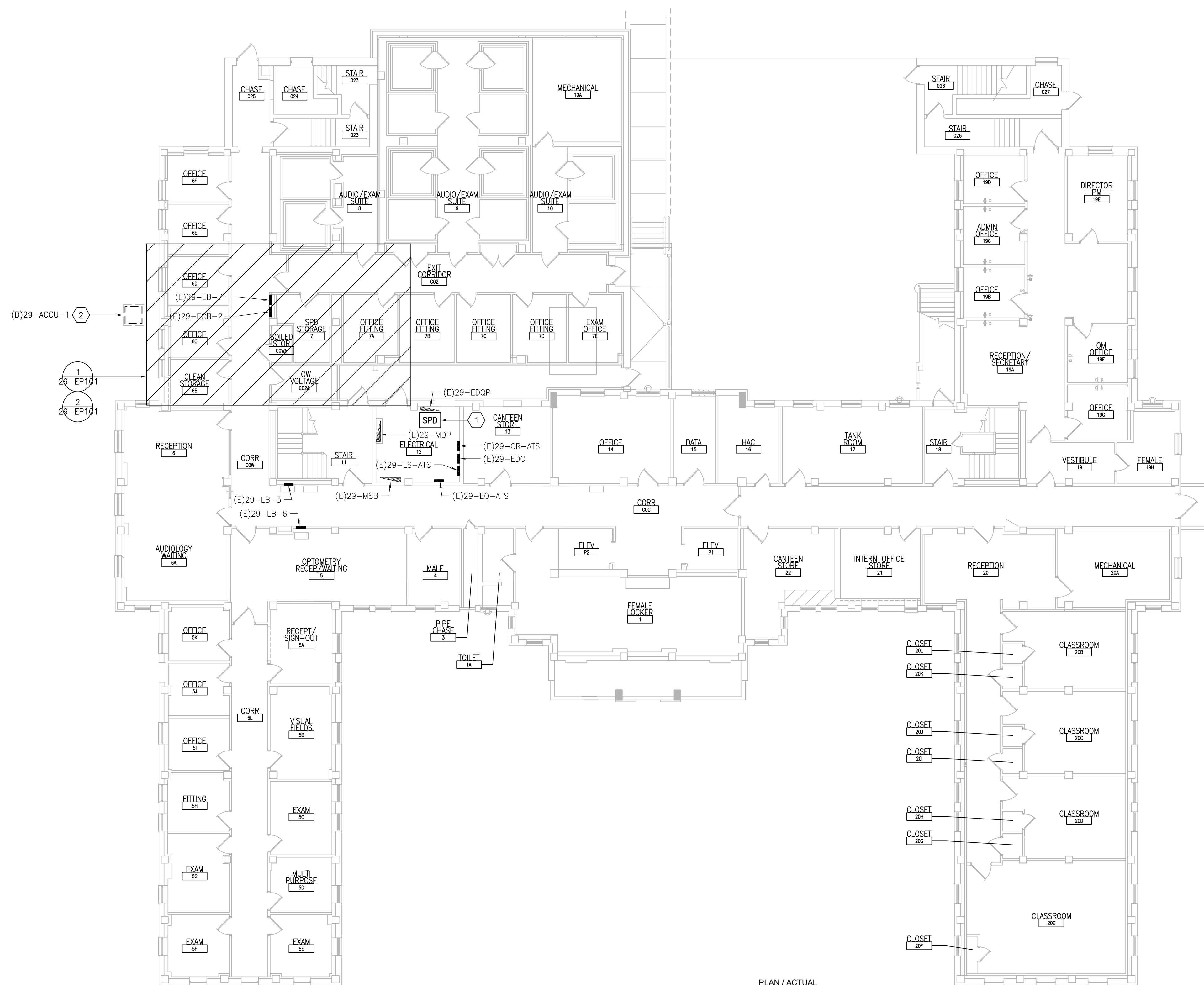
Drawing Number
28-EP131

GENERAL SHEET NOTES:

- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILING.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
- AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAFS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
- REFER TO SPECIFICATION 02.82.11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
- COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
- REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.

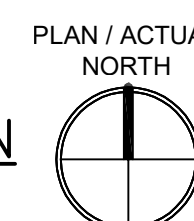
SHEET KEYNOTES:

- PROVIDE SPD IN NEMA 1 ENCLOSURE BELOW OR ADJACENT TO ASSOCIATED PANEL. MAKE FINAL CONNECTIONS. REFER TO SHEET E-701.
- DISCONNECT AND REMOVE WIRING AND CONDUIT FOR EXISTING UNIT BACK TO SOURCE (29-EDQP). REMOVE ALL ASSOCIATED ELECTRICAL DEVICES/EQUIPMENT. REFER TO 29-MH101 FOR ADDITIONAL INFORMATION.



1 BASEMENT -- POWER PLAN

SCALE: 3/32" = 1'-0"



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
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

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 MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL BASEMENT - POWER PLAN

Approved: Project Director

Phase
 100% CONSTRUCTION DOCUMENTS
 NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date
 2022-07-15

Checked
 RC

Drawn
 DR

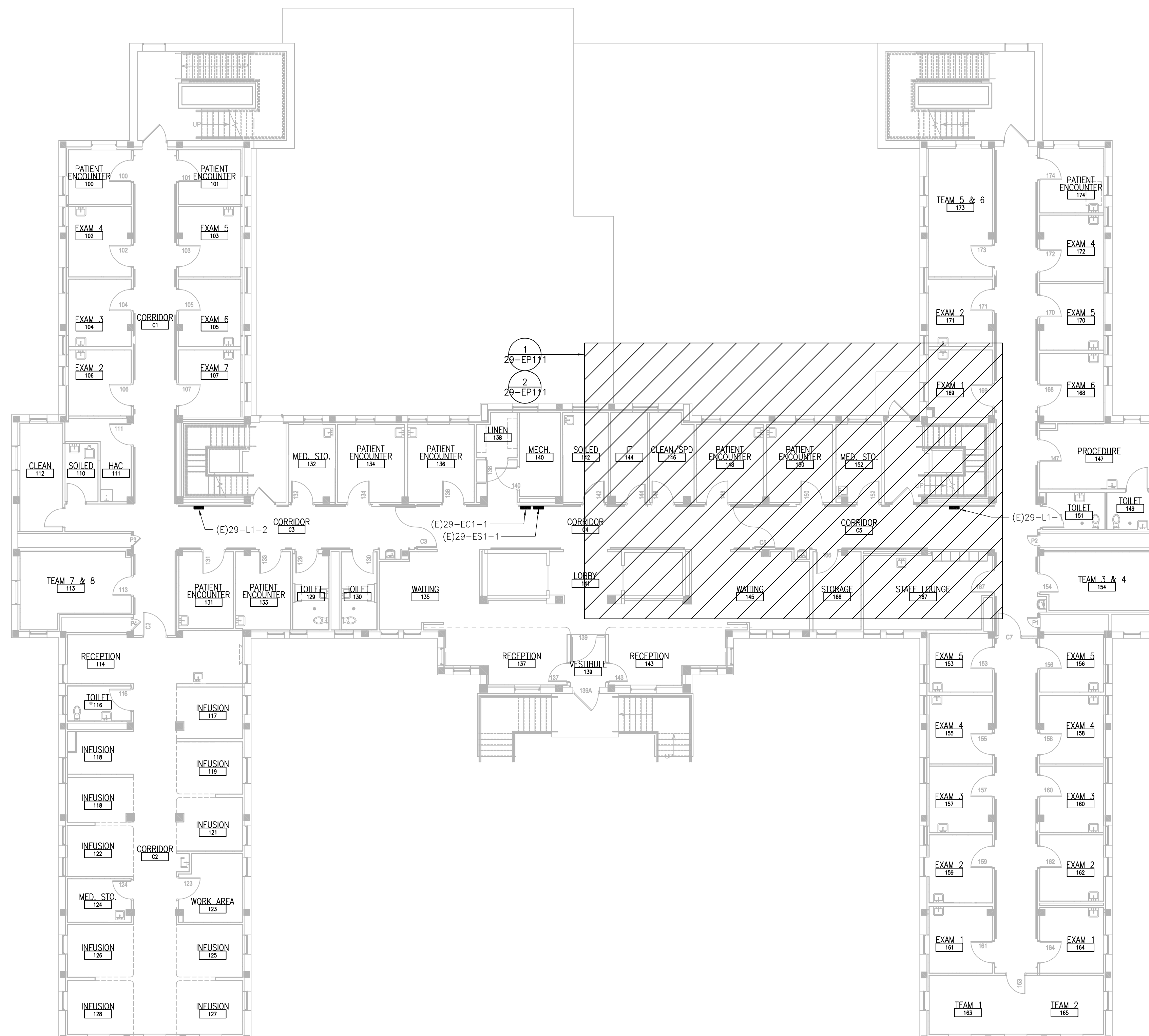
Project Number
 656-18-300

Building Number
 29

Drawing Number
29-E-101

GENERAL SHEET NOTES:

1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
3. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
4. AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
5. REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
6. COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
7. REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.



1 FIRST FLOOR -- POWER PLAN
 SCALE: 3/32" = 1'-0"
 PLAN / ACTUAL NORTH

three eighths inch = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

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PROJECT TEAM

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 MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
 PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL FIRST FLOOR - POWER PLAN

Approved: Project Director

Phase
 100% CONSTRUCTION DOCUMENTS
 NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date
 2022-07-15

Checked
 RC

Drawn
 DR

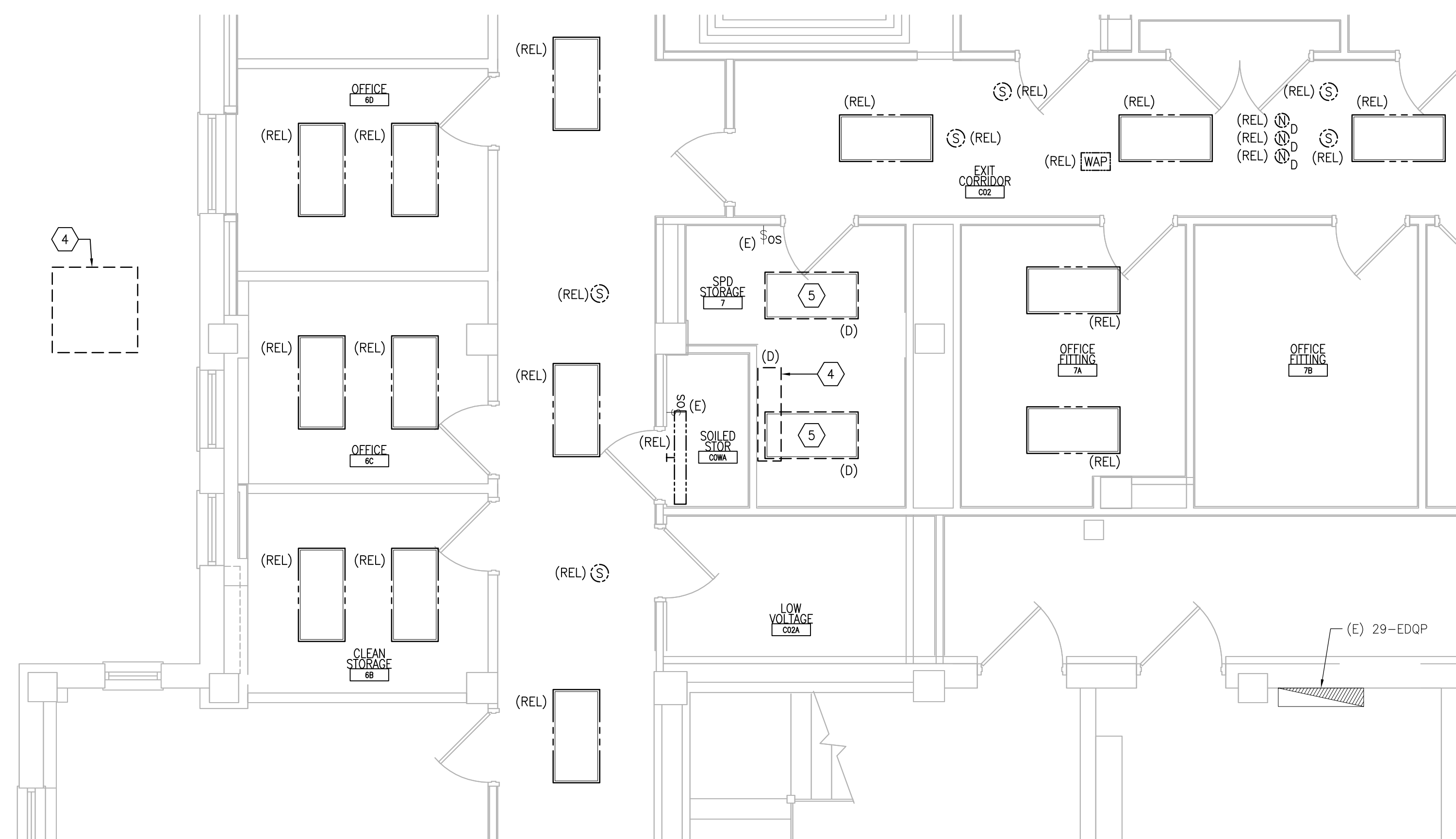
Project Number
 656-18-300

Building Number
 29

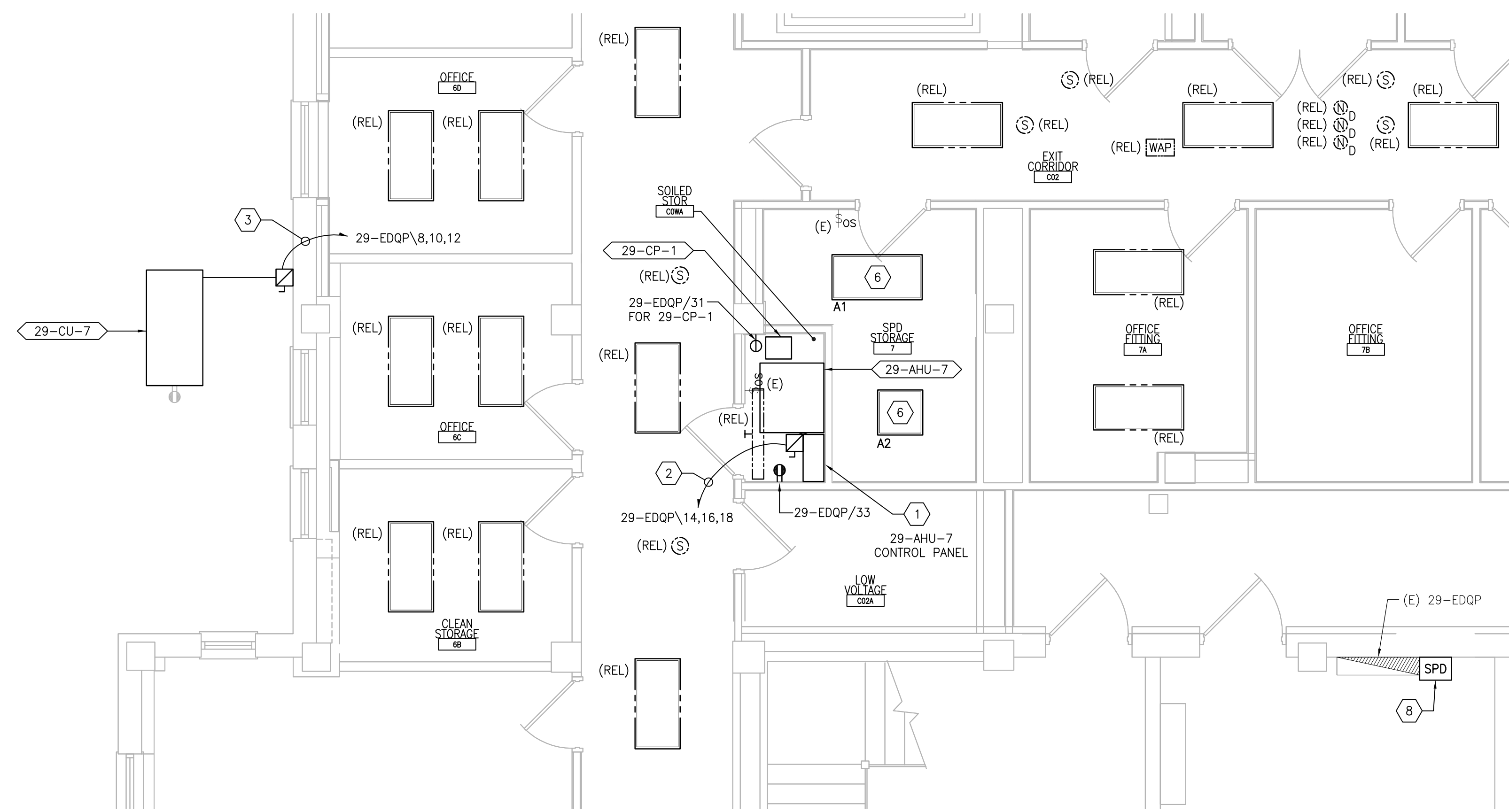
Drawing Number
29-E-111

GENERAL SHEET NOTES:

- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SHEET 29-E-101 FOR LOCATION OF PANELBOARDS.
- REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON 0101 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES (ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
- AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
- REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
- COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
- REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
- DEVICE/LIGHTING FIXTURE LABELED AS (REL) SHALL BE DISCONNECTED AND REMOVED DURING CONSTRUCTION. UPON INSTALLATION OF NEW CEILING IN THE SPACE, RE-INSTALL AND CONNECT EXISTING DEVICE/LIGHTING FIXTURE. PROTECT WIRING AND DEVICE/LIGHTING FIXTURE DURING CONSTRUCTION.
- OCCUPANCY SENSOR WALL SWITCH SHOWN ON DRAWING SHALL BE CONNECTED TO NEW LIGHTING FIXTURE(S) WITHIN THE SAME SPACE.
- CONDENSING UNITS AND PACKAGED AHU'S: UNITS ARE PROVIDED WITH A FACTORY WIRED 120V RECEPTACLE SHOWN IN GRAY-SCALE (FOR REFERENCE ONLY).



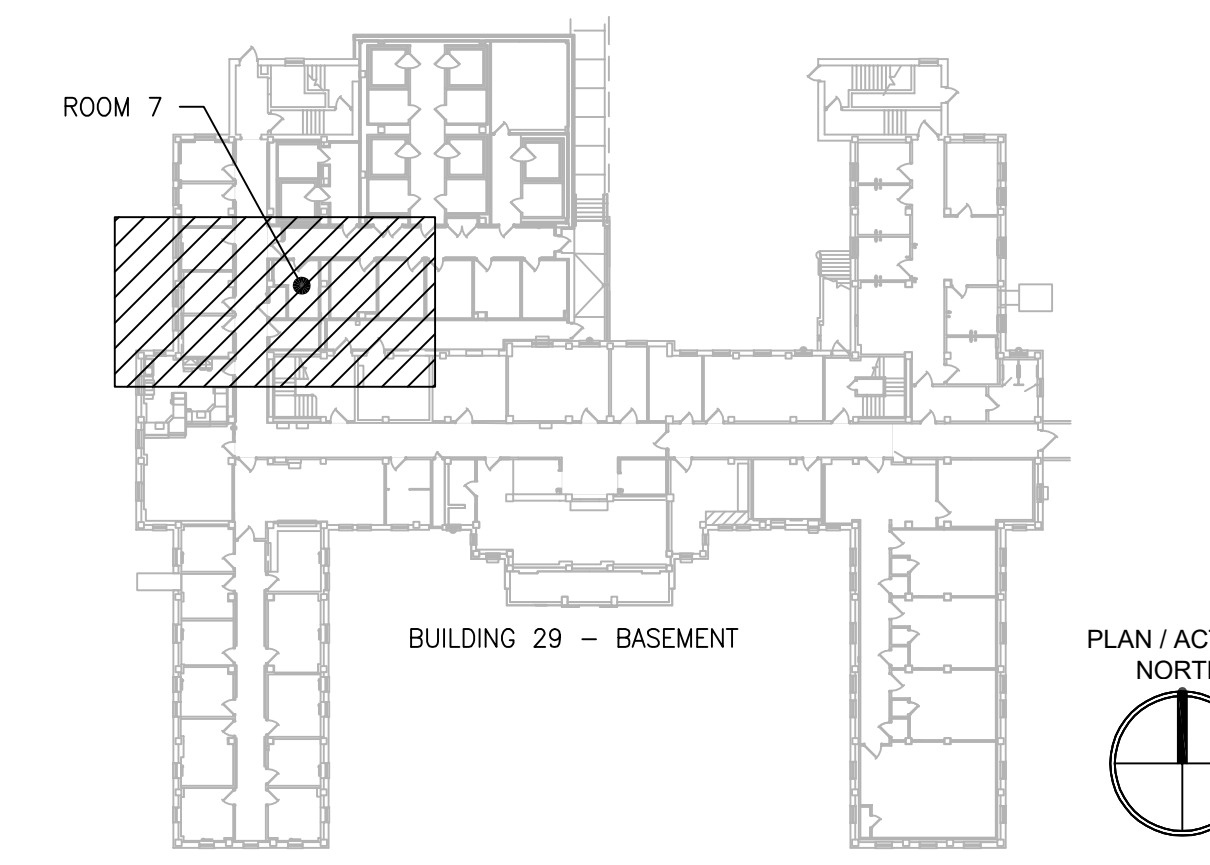
1 BASEMENT FLOOR ROOM 7 - DEMOLITION
 SCALE: 1/4" = 1'-0"
 REF DWG: 29-E-101



2 BASEMENT FLOOR ROOM 7 - NEW WORK
 SCALE: 1/4" = 1'-0"
 REF DWG: 29-E-101

SHEET KEYNOTES:

- FACTORY PRE-WIRED AHU CONTROL PANEL MOUNTED ON UNISTRUT FRAME, WITH 6'-0" INTERCONNECTING WIRING TO ASSOCIATED AHU, PROVIDED BY MECHANICAL CONTRACTOR. MAKE ALL FINAL CONNECTIONS.
- PROVIDE 30A/3P/15AF FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. CONNECT TO ADJACENT CONTROL PANEL AND INDICATED CIRCUIT WITH (3)#12 + (1)#12G IN 3/4". PROVIDE UNISTRUT CHANNEL FOR MOUNTING OF DISCONNECT SWITCH ON WALL.
- PROVIDE 30A/3P/30AF FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. CONNECT TO ADJACENT CU AND INDICATED CIRCUIT WITH (3)#10 + (1)#10G IN 3/4". PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF DISCONNECT SWITCH ON WALL.
- DISCONNECT AND REMOVE WIRING AND CONDUIT FOR EXISTING LIEBERT SPLIT SYSTEM BACK TO SOURCE. REMOVE ALL ASSOCIATED ELECTRICAL DEVICES/EQUIPMENT. REFER TO 1/29-MP101 FOR ADDITIONAL INFORMATION.
- DISCONNECT AND REMOVE EXISTING LIGHTING CIRCUIT. PROTECT BRANCH CIRCUIT DURING CONSTRUCTION.
- PROVIDE NEW LIGHTING FIXTURE AND CONNECT TO EXISTING BRANCH CIRCUIT PREVIOUSLY FEEDING DEMOLISHED LIGHTING FIXTURE. CONNECT TO EXISTING ROOM.



KEYPLAN
 SCALE: NTS

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

NO.	DESCRIPTION	DATE

PROJECT TEAM

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 MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
 PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL BASEMENT - DEMOLITION & NEW WORK PART PLANS

Approved: Project Director

Phase
 100% CONSTRUCTION DOCUMENTS
 NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date
 2022-07-15

Checked
 RC

Drawn
 DR

Project Number
656-18-300

Building Number
 29

Drawing Number
29-EP101

GENERAL SHEET NOTES:

- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SHEET 29-E-101 FOR LOCATION OF PANEL 29-EDOP.
- REFER TO SHEET 29-E-111 FOR LOCATION OF PANELBOARDS.
- REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G1001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
- AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
- REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
- COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
- REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
- DEVICE/LIGHTING FIXTURE LABELED AS (REL) SHALL BE DISCONNECTED AND REMOVED DURING CONSTRUCTION. UPON INSTALLATION OF NEW CEILING IN THE SPACE, RE-INSTALL AND CONNECT EXISTING DEVICE/LIGHTING FIXTURE. PROTECT WIRING AND DEVICE/LIGHTING FIXTURE DURING CONSTRUCTION.
- OCCUPANCY SENSOR WALL SWITCH SHOWN ON DRAWING SHALL BE CONNECTED TO NEW LIGHTING FIXTURE(S) WITHIN THE SAME SPACE.
- CONDENSING UNITS AND PACKAGED AHU'S; UNITS ARE PROVIDED WITH A FACTORY WIRED 120V RECEPTACLE SHOWN IN GRAY-SCALE (FOR REFERENCE ONLY).

SHEET KEYNOTES:

- FACTORY PRE-WIRED AHU CONTROL PANEL MOUNTED ON UNISTRUT FRAME, WITH 6"-0" INTERCONNECTING WIRING TO ASSOCIATED AHU, PROVIDED BY MECHANICAL CONTRACTOR. MAKE ALL FINAL CONNECTIONS.
- PROVIDE 30A/3P/15AF FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. CONNECT TO ADJACENT CONTROL PANEL AND INDICATED CIRCUIT WITH (3)#12 + (1)#12G IN 3/4" C. PROVIDE UNISTRUT CHANNEL FOR MOUNTING OF DISCONNECT SWITCH ON WALL.
- PROVIDE 30A/3P/25AF FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. CONNECT TO ADJACENT CU AND INDICATED CIRCUIT WITH (3)#10 + (1)#10G IN 3/4" C. PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF DISCONNECT SWITCH ON WALL.
- PROVIDE ABOVE-CEILING MOTOR-RATED SWITCH WITH INDICATOR LIGHT. ROUTE (2)#12 + (1)#12G IN 3/4" C TO INDICATED PANEL AND ADJACENT CONDENSATE PUMP. MAKE FINAL CONNECTIONS.
- RELOCATE EXISTING JUNCTION BOX AND ASSOCIATED WIRING AND CONDUIT (FED FROM PANEL 29-L1-1, CIRCUIT 40) INSTALLED ABOVE CEILING AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW DUCTWORK. COORDINATE NEW ROUTING WITH MECHANICAL CONTRACTOR.
- DISCONNECT AND REMOVE EXISTING LIGHTING CIRCUIT. PROTECT BRANCH CIRCUIT DURING CONSTRUCTION.
- PROVIDE NEW LIGHTING FIXTURE AND CONNECT TO EXISTING BRANCH CIRCUIT PREVIOUSLY FEEDING DEMOLISHED LIGHTING FIXTURE. CONNECT TO EXISTING ROOM LIGHTING CONTROLS. PROVIDE ADDITIONAL CONDUIT AND WIRING AS NEEDED.

1 FIRST FLOOR ROOM 146 - DEMOLITION

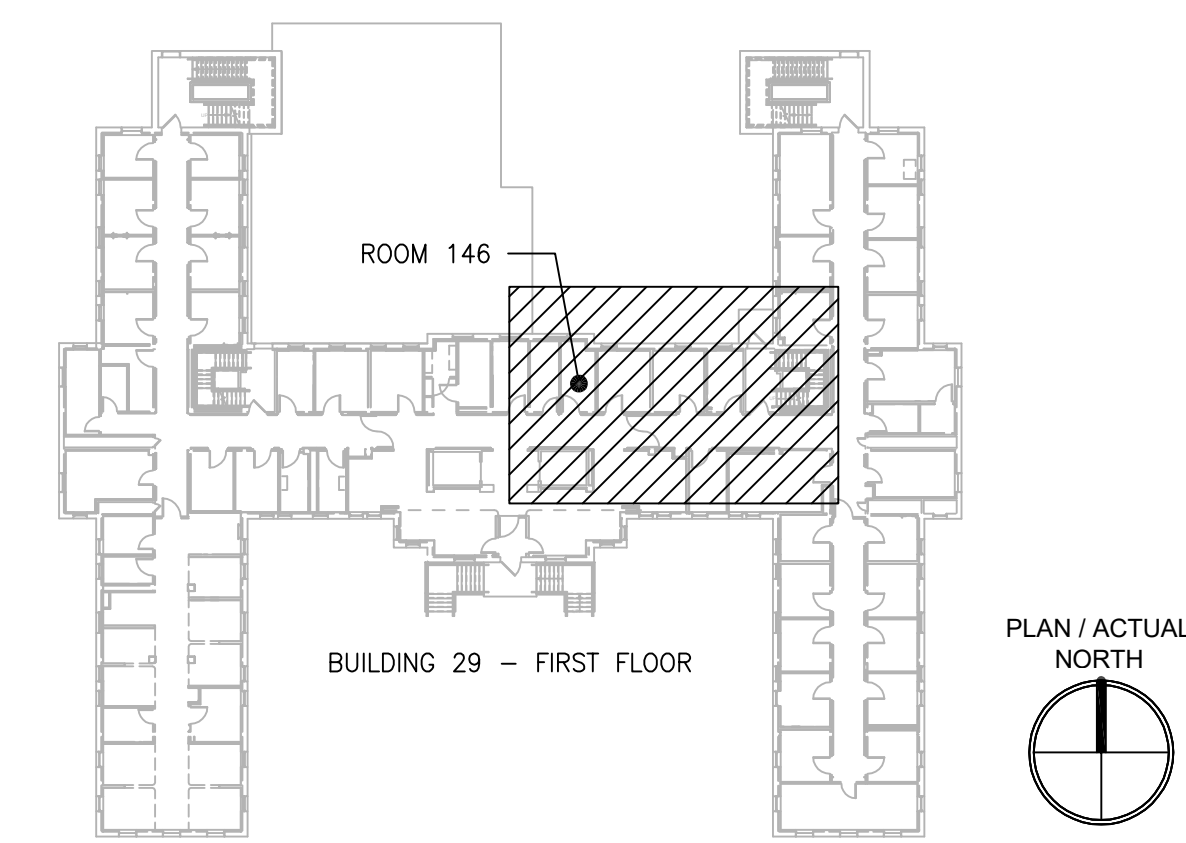
SCALE: 1/4" = 1'-0"

REF DWG: 29-E-111

2 FIRST FLOOR ROOM 146 - NEW WORK

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

REF DWG: 29-E-111



KEYPLAN
SCALE: NTS

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NO.	DESCRIPTION	DATE

PROJECT TEAM



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MR PROJECT NO: 0376-0011

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title ELECTRICAL FIRST FLOOR - DEMOLITION & NEW WORK PART PLANS
Approved: Project Director

Phase 100% CONSTRUCTION DOCUMENTS NOT FOR CONSTRUCTION
FULLY SPRINKLERED

Project Title UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS
Location ST. CLOUD VA MEDICAL CENTER, MN
Issue Date 2022-07-15
Checked RC
Drawn DR

Project Number 656-18-300
Building Number 29
Drawing Number 29-EP111

PL\0376_CCD\0011 ST Cloud Upgrade SPS HVAC & Environ Controls V2 Drawings\1_Cad\1_Current Submittal_Phase 7_Electrical\29-EP111.dwg 7-15-22 10:20:37 AM dmbdb

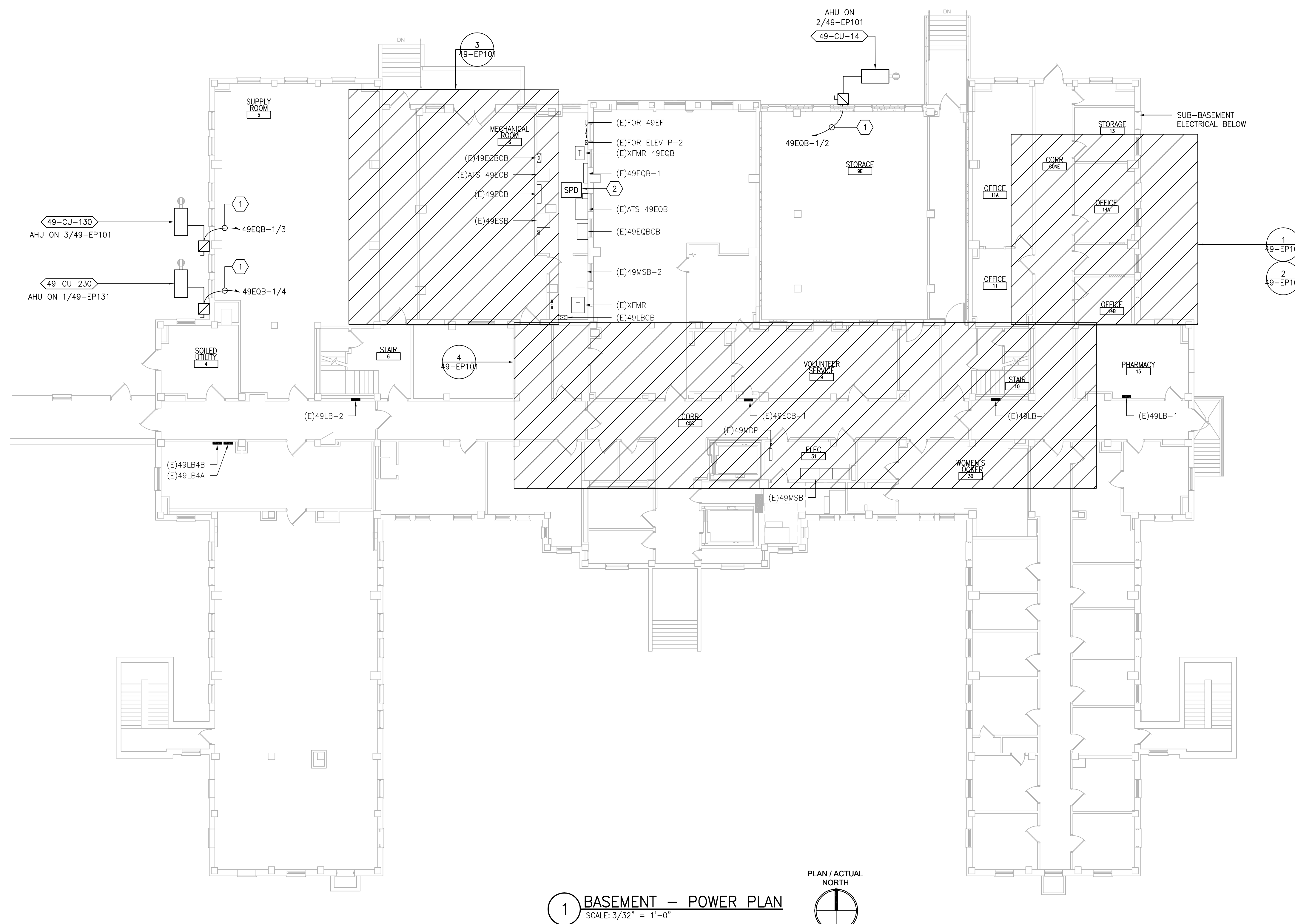
three eighths inch = one foot
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GENERAL SHEET NOTES:

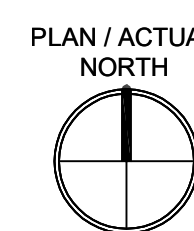
- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON 0101 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
- AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAFS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
- REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
- COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
- REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
- CONDENSING UNITS AND PACKAGED AHU'S: UNITS ARE PROVIDED WITH A FACTORY WIRED 120V RECEPTACLE SHOWN IN GRAY-SCALE (FOR REFERENCE ONLY).

SHEET KEYNOTES:

- PROVIDE 30A/3P/15AF FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. CONNECT TO ADJACENT CU AND INDICATED CIRCUIT WITH (3)#12 + (1)#12G IN 3/4"Ø. PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF DISCONNECT SWITCH ON WALL.
- PROVIDE SPD IN NEMA 1 ENCLOSURE BELOW OR ADJACENT TO ASSOCIATED PANEL. MAKE FINAL CONNECTIONS. REFER TO SHEET E-702.



1 BASEMENT - POWER PLAN
SCALE: 3/32" = 1'-0"



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PROJECT TEAM

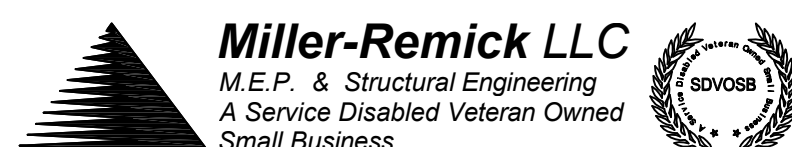


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MR PROJECT NO: 0376-0011

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

**Office of
Construction
and Facilities
Management**



Drawing Title
**ELECTRICAL
BASEMENT - POWER PLAN**

Approved: Project Director

Phase
100% CONSTRUCTION
DOCUMENTS
NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
**UPGRADE SPS HVAC &
ENVIRONMENTAL CONTROLS**

Location
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Issue Date
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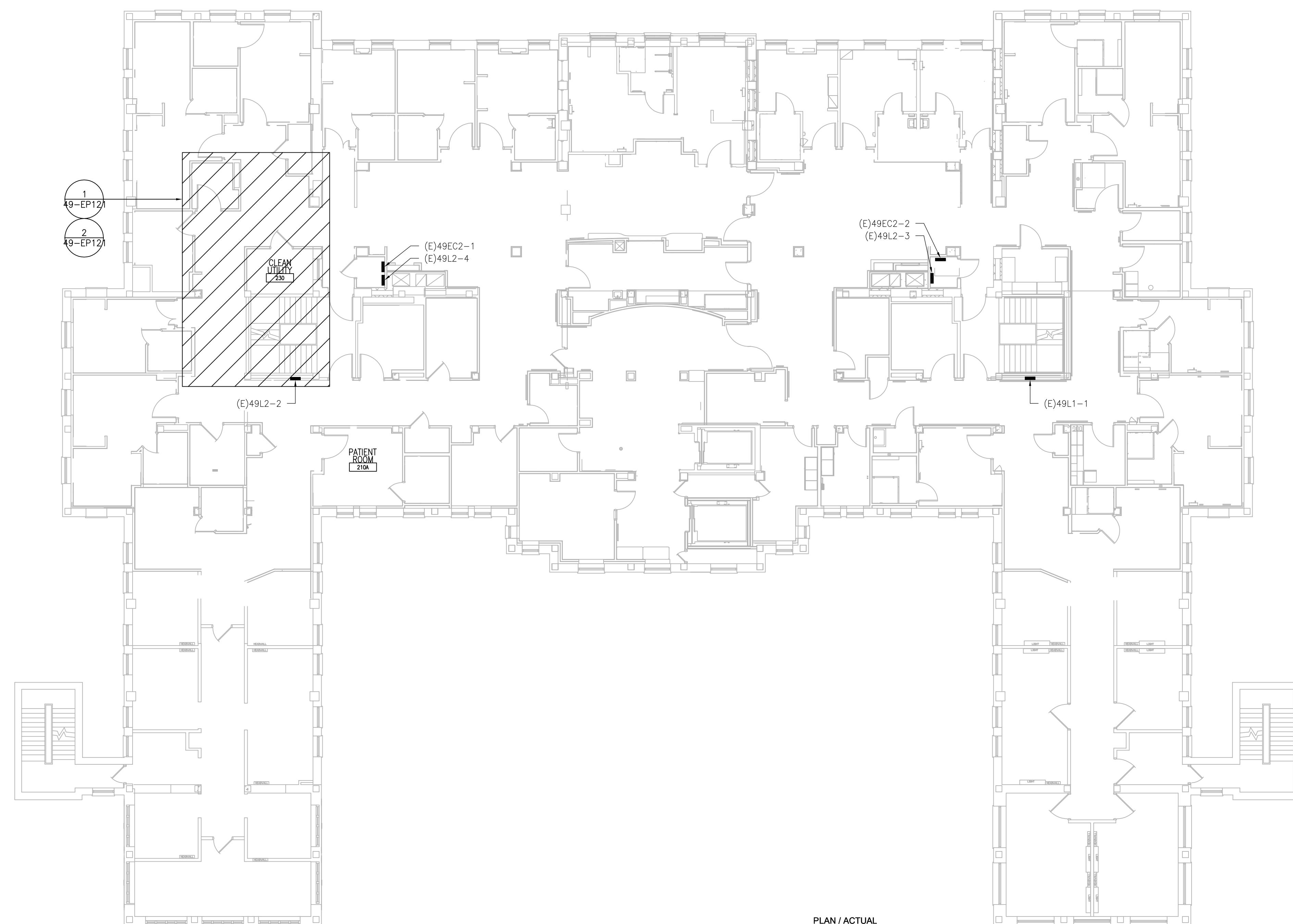
Project Number
656-18-300

Building Number
49

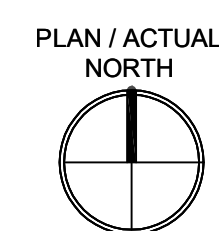
Drawing Number
49-E-101

GENERAL SHEET NOTES:

1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
3. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
4. AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
5. REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
6. COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
7. REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.



1 SECOND FLOOR - POWER PLAN
SCALE: 3/32" = 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

PROJECT TEAM



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1173 Research Way
Forest, VA 24551
1-866-267-6839



701 Forest Ave
Portland, ME 04103
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ENGINEER OF RECORD

Miller-Remick LLC
M.E.P. & Structural Engineering
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MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of
Construction
and Facilities
Management



Drawing Title ELECTRICAL SECOND FLOOR - POWER PLAN
Approved: Project Director

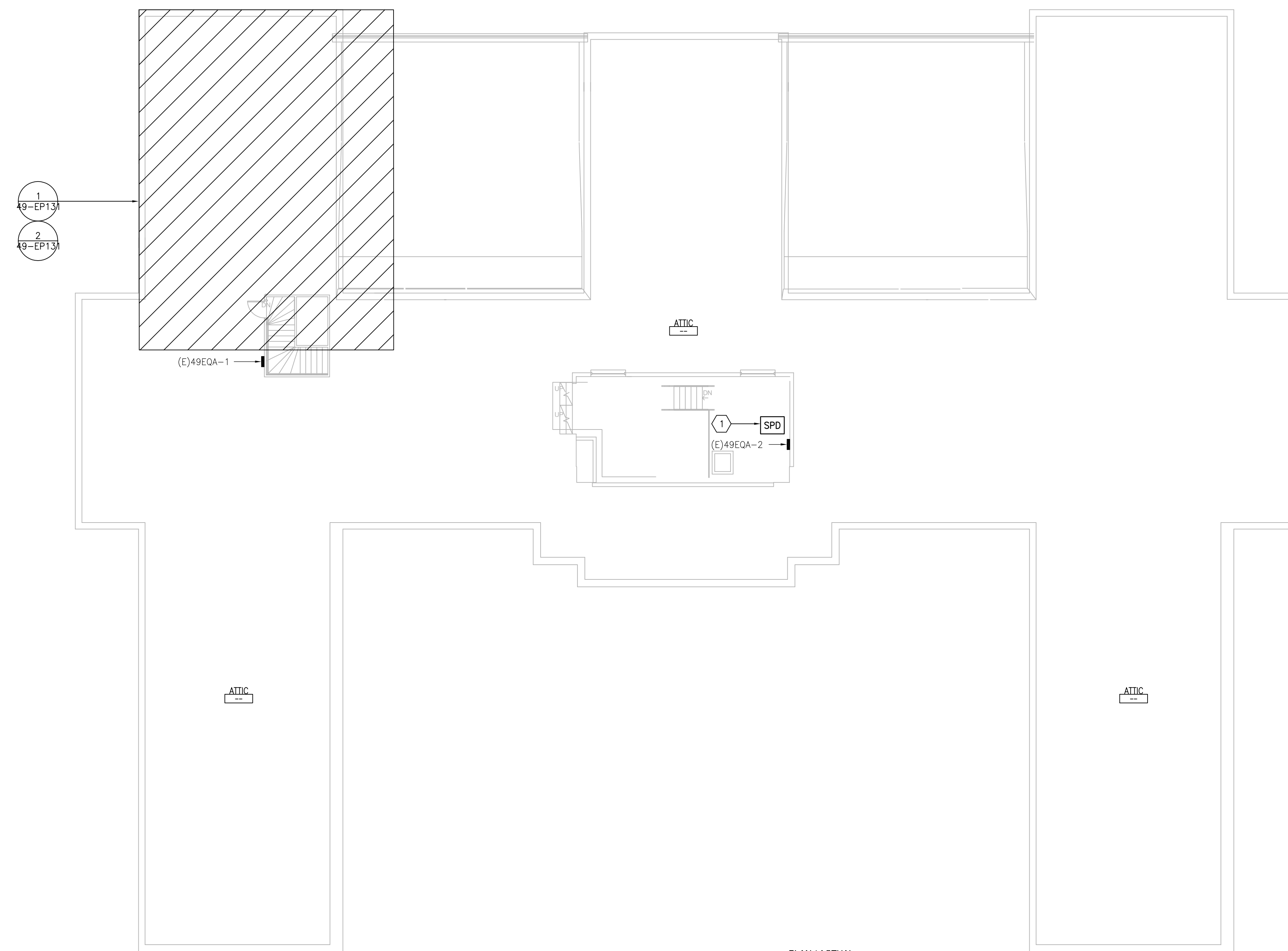
Phase 100% CONSTRUCTION DOCUMENTS NOT FOR CONSTRUCTION	Project Title UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS	Project Number 656-18-300
FULLY SPRINKLERED	Location ST. CLOUD VA MEDICAL CENTER, MN	Building Number 49
Issue Date 2022-07-15	Checked RC	Drawn DR
		Drawing Number 49-E-121

GENERAL SHEET NOTES:

1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
4. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON 01001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
5. AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAFS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
6. REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
7. COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
8. REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.

SHEET KEYNOTES:

1. PROVIDE SPD IN NEMA 1 ENCLOSURE BELOW OR ADJACENT TO ASSOCIATED PANEL. MAKE FINAL CONNECTIONS. REFER TO SHEET E-702.



1 ATTIC - POWER PLAN
SCALE: 3/32" = 1'-0"
PLAN / ACTUAL NORTH

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 three sixteenths inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

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NO.	DESCRIPTION	DATE

PROJECT TEAM

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FAX: (856)429-9002
MR PROJECT NO: 0376-0011

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL ATTIC - POWER PLAN

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS
NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

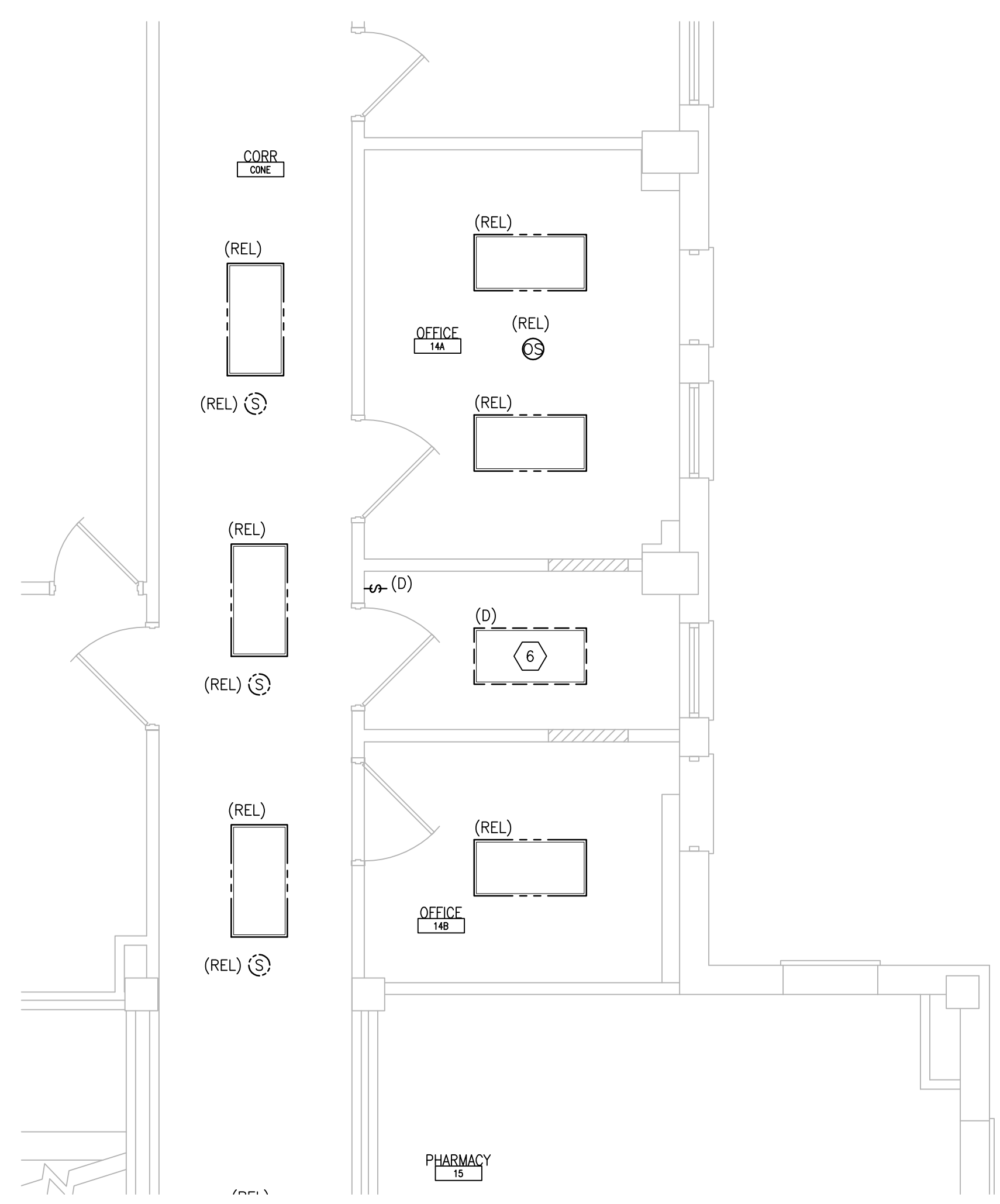
Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date	Checked	Drawn
2022-07-15	RC	DR

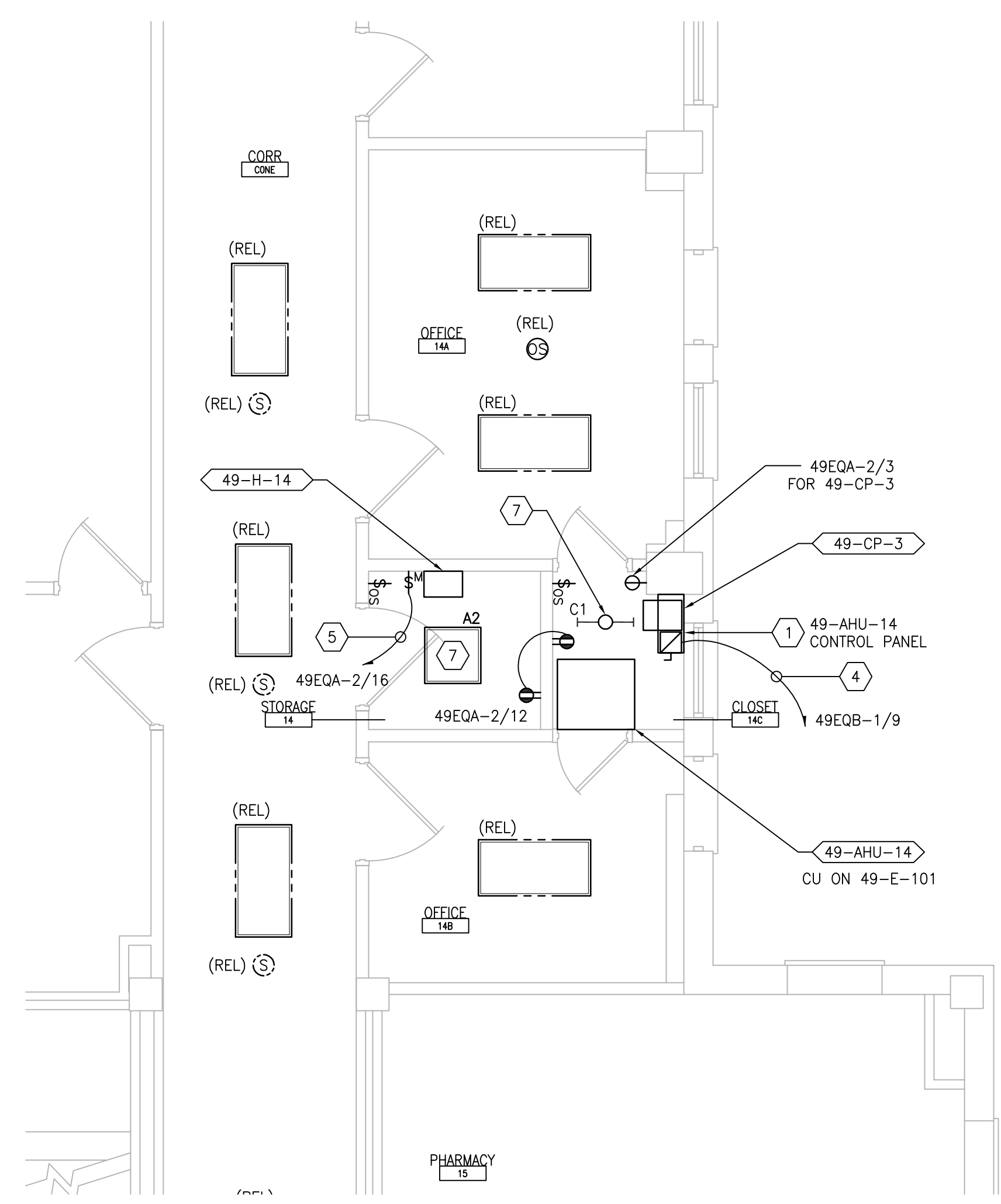
Project Number
656-18-300

Building Number
49

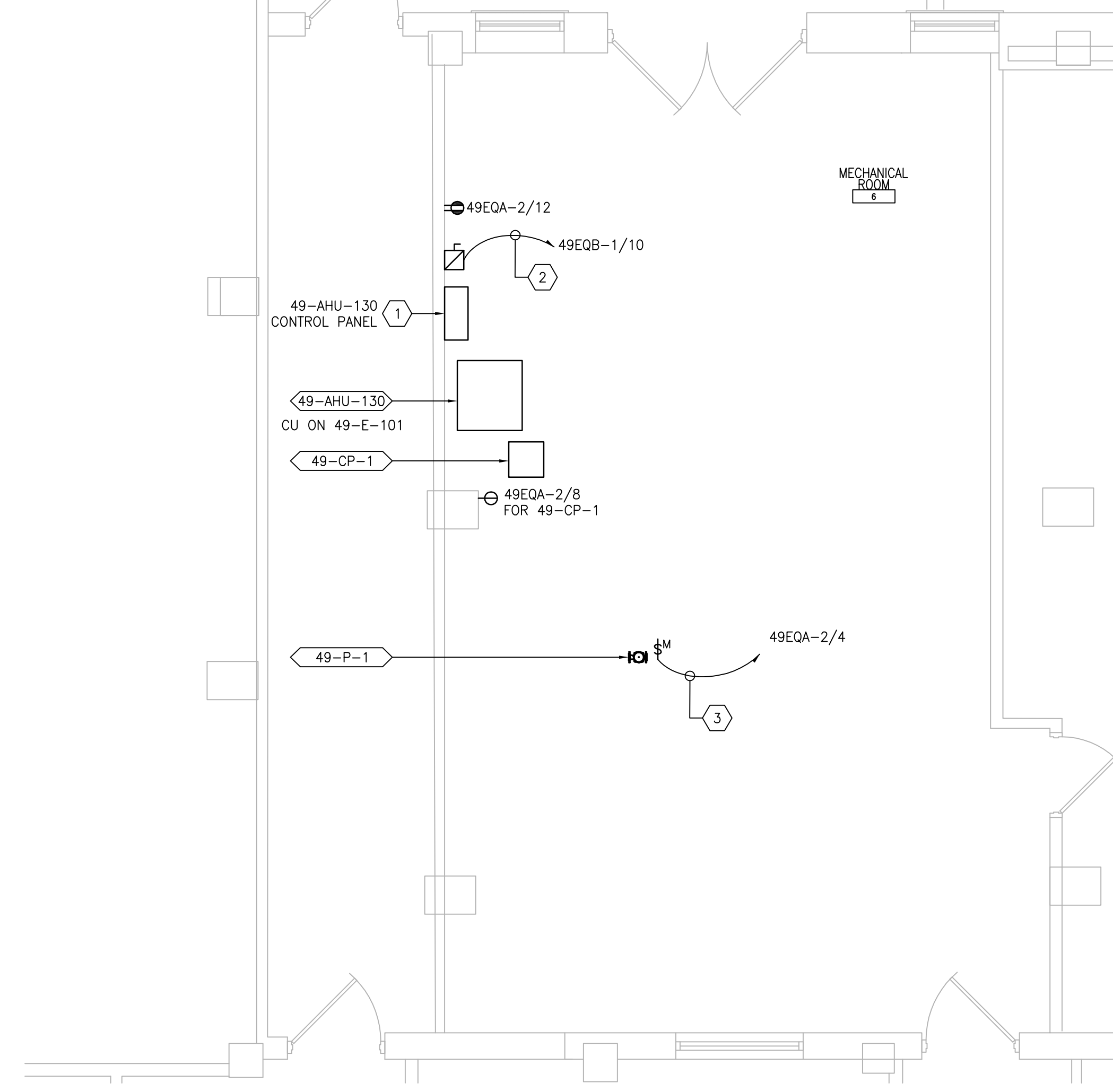
Drawing Number
49-E-131



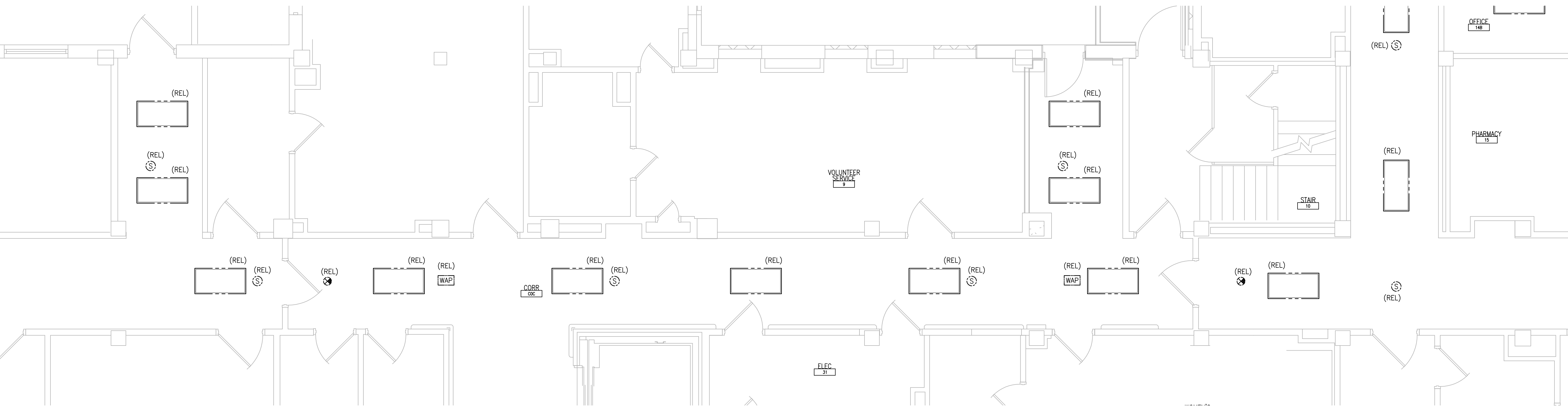
1 BASEMENT ROOM 14 -- DEMOLITION
 SCALE: 1/4" = 1'-0"
 REF DWG: 49-E-101



2 BASEMENT ROOM 14 -- NEW WORK
 SCALE: 1/4" = 1'-0"
 REF DWG: 49-E-101



3 BASEMENT MECH ROOM 7 SERVING ROOM 130 -- NEW WORK
 SCALE: 1/4" = 1'-0"
 REF DWG: 49-E-101



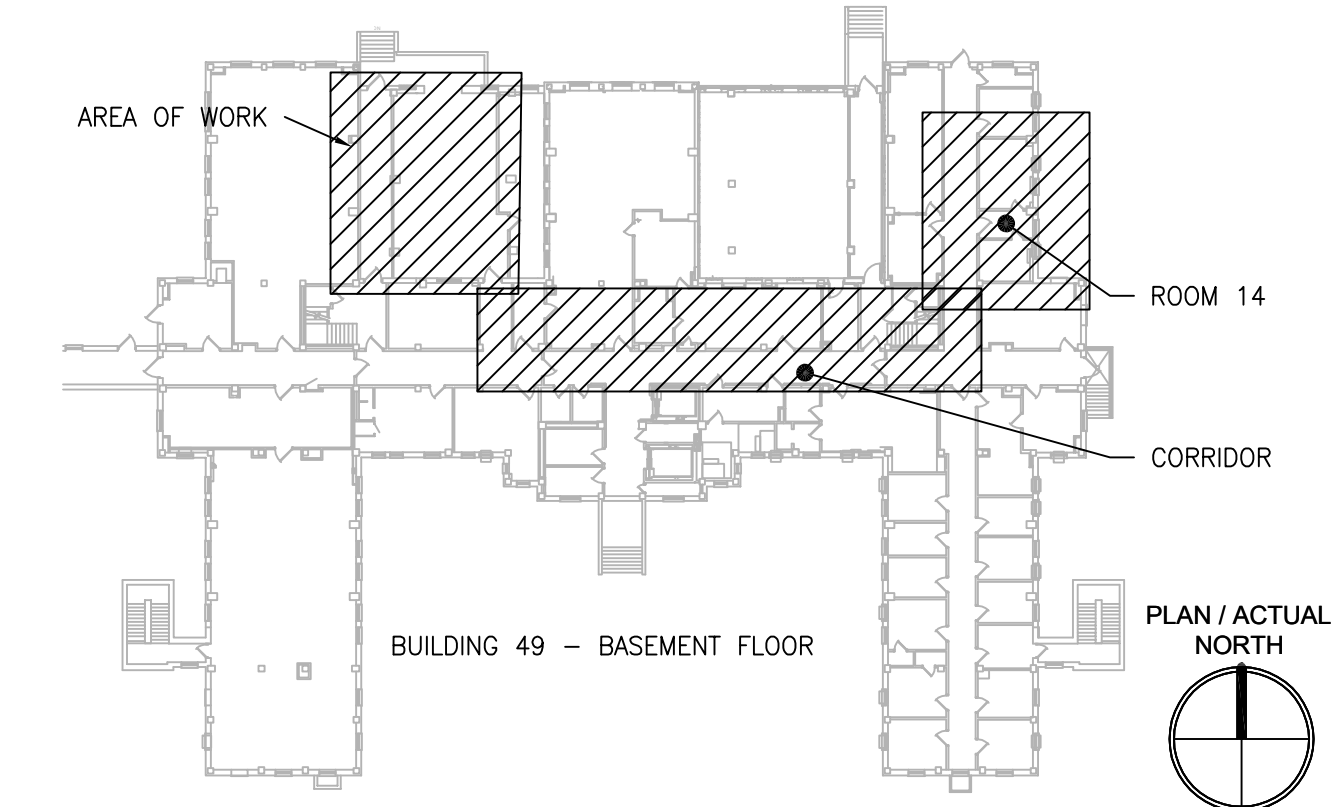
4 BASEMENT CORRIDOR -- DEMOLITION & NEW WORK
 SCALE: 1/4" = 1'-0"
 REF DWG: 49-E-101

GENERAL SHEET NOTES:

- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SHEET 49-E-101 FOR LOCATION OF PANEL 49EQB-1.
- REFER TO SHEET 49-E-131 FOR LOCATION OF PANEL 49EQA-2 (ATTIC).
- REFER TO SERIES E-700 SHEETS FOR PANELBOARD SCHEDULES AND LIGHTING FIXTURE SCHEDULE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILING.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G1001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
- AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
- REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
- COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
- REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
- DEVICE/LIGHTING FIXTURE LABELED AS (REL) SHALL BE DISCONNECTED AND REMOVED DURING CONSTRUCTION. UPON INSTALLATION OF NEW CEILING IN THE SPACE, RE-INSTALL AND CONNECT EXISTING DEVICE/LIGHTING FIXTURE. PROTECT WIRING AND DEVICE/LIGHTING FIXTURE DURING CONSTRUCTION.
- OCCUPANCY SENSOR WALL SWITCH SHOWN ON DRAWING SHALL BE CONNECTED TO NEW LIGHTING FIXTURE(S) WITHIN THE SAME SPACE.

SHEET KEYNOTES:

- FACTORY PRE-WIRED AHU CONTROL PANEL MOUNTED ON UNISTRUT FRAME, WITH 6'-0" INTERCONNECTING WIRING TO ASSOCIATED AHU, PROVIDED BY MECHANICAL CONTRACTOR. MAKE ALL FINAL CONNECTIONS.
- PROVIDE 30A/3P/15AF FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. CONNECT TO ADJACENT CONTROL PANEL AND INDICATED CIRCUIT WITH (3)#12 + (1)#12G IN 3/4" C. PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF DISCONNECT SWITCH ON WALL.
- PROVIDE MOTOR-RATED SWITCH WITH INDICATOR LIGHT. COORDINATE LOCATION. MAKE FINAL CONNECTIONS TO INDICATED CIRCUIT AND ADJACENT PUMP.
- PROVIDE 30A/3P/15AF FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. CONNECT TO ADJACENT CONTROL PANEL AND INDICATED CIRCUIT WITH (3)#12 + (1)#12G IN 3/4" C. PROVIDE GALVANIZED STEEL FRAME WITH GALVANIZED HARDWARE FOR MOUNTING OF DISCONNECT SWITCH ON WALL. MOUNT ABOVE CONTROL PANEL TO ENSURE NEC REQUIRED CLEARANCES.
- PROVIDE ABOVE-CEILING, MOTOR-RATED SWITCH WITH INDICATOR LIGHT. COORDINATE LOCATION. MAKE FINAL CONNECTIONS TO INDICATED CIRCUIT AND HUMIDIFIER. UTILIZE (2)#8 + (1)#10G IN 1".
- DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURE. PROTECT BRANCH CIRCUIT DURING CONSTRUCTION.
- PROVIDE NEW LIGHTING FIXTURE AND CONNECT TO EXISTING BRANCH CIRCUIT PREVIOUSLY FEEDING DEMOLISHED LIGHTING FIXTURE. CONNECT TO EXISTING ROOM LIGHTING CONTROLS. PROVIDE ADDITIONAL CONDUIT AND WIRING AS NEEDED.



KEYPLAN
 SCALE: NTS

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

NO.	DESCRIPTION	DATE

PROJECT TEAM

COMMISSIONER'S OFFICE

MEP Engineers + Architects
 1173 Research Way
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 1-866-267-6839



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 MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
 PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL BASEMENT - DEMOLITION & NEW WORK PART PLANS

Approved: Project Director

Phase
 100% CONSTRUCTION DOCUMENTS
 NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date
 2022-07-15

Checked
 RC

Drawn
 DR

Project Number
 656-18-300

Building Number
 49

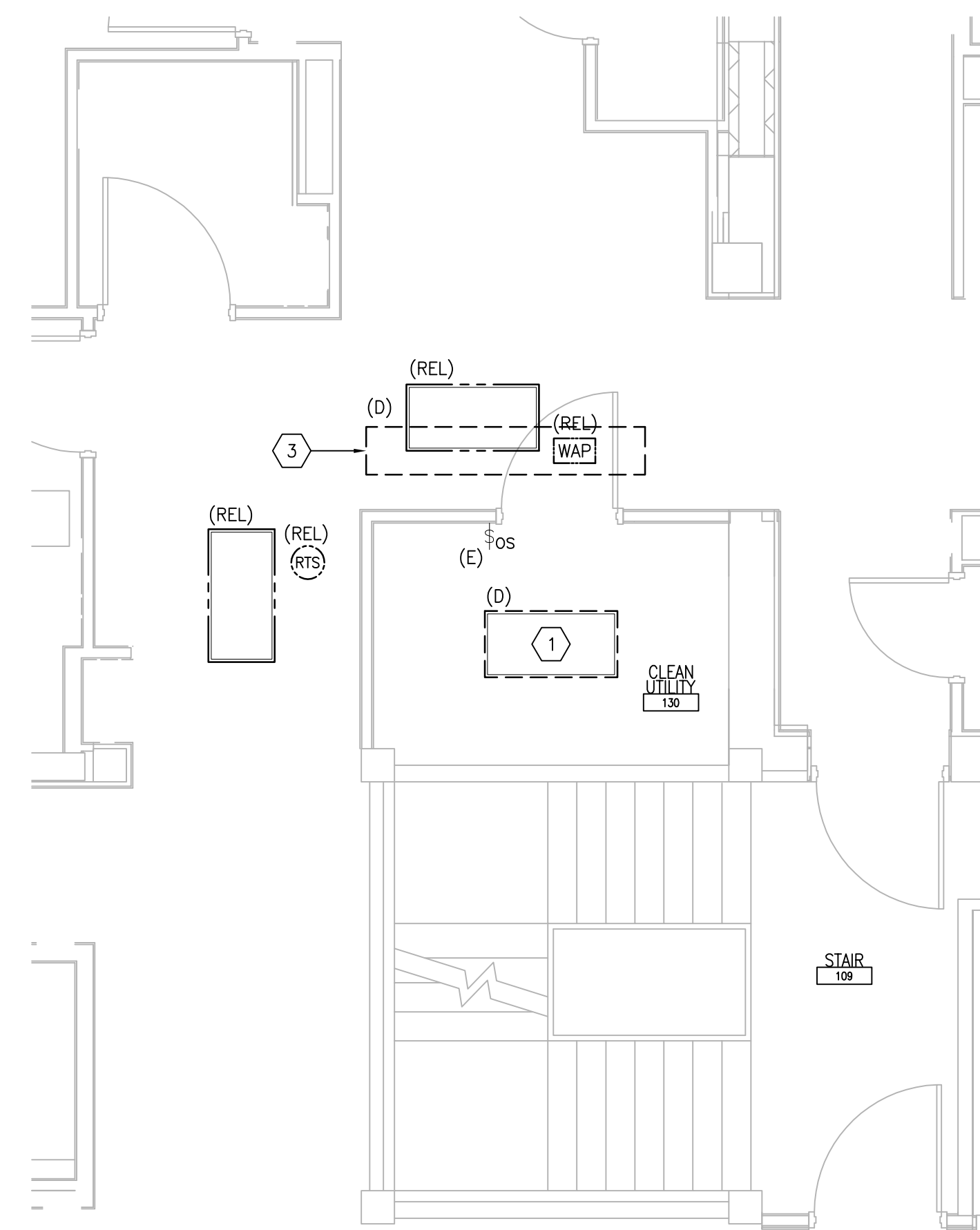
Drawing Number
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GENERAL SHEET NOTES:

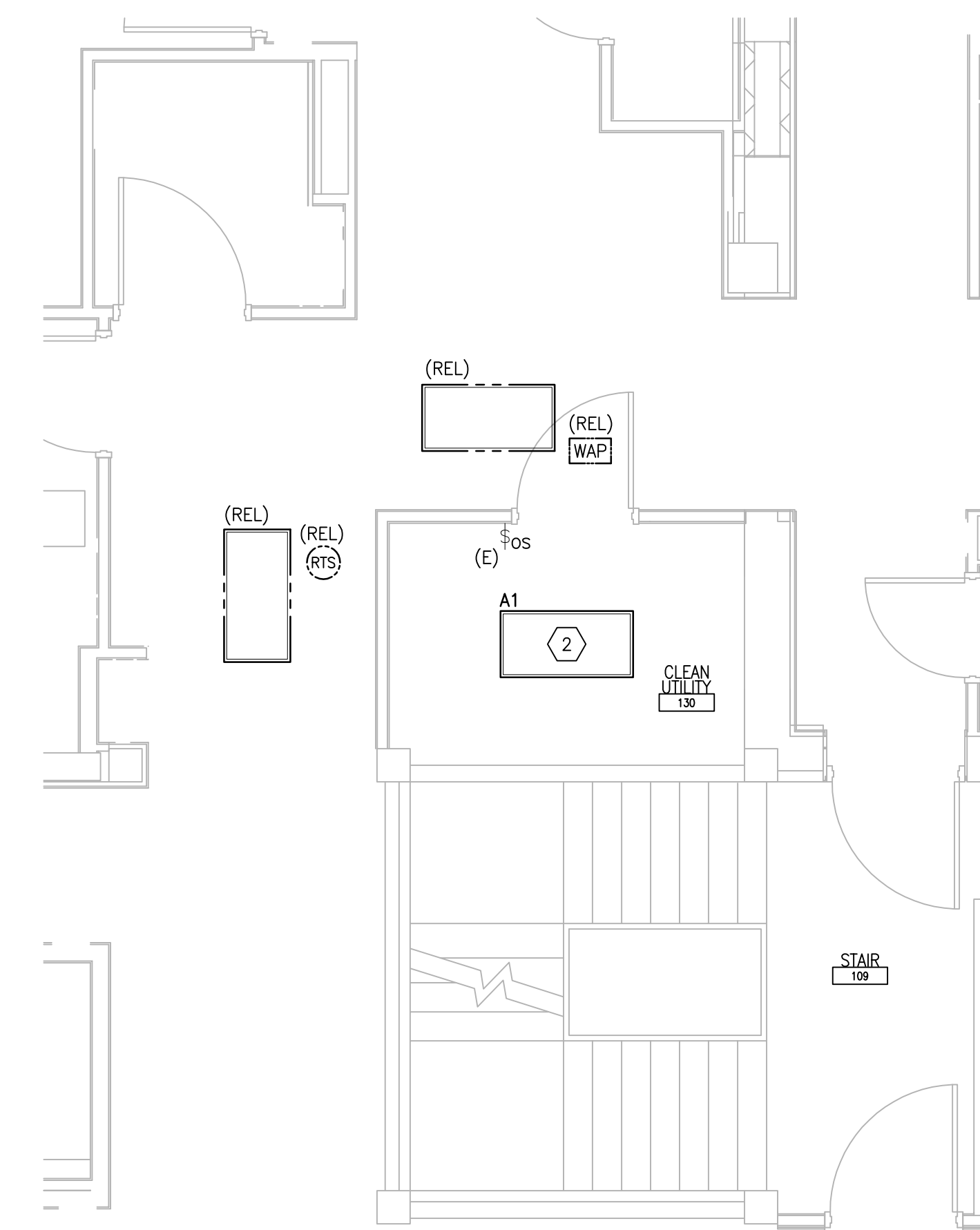
- REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
- REFER TO SHEET 49-E-111 FOR LOCATION OF PANELBOARDS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
- ADHERE TO ALL ICRA REQUIREMENTS LISTED ON G1001 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
- AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
- REFER TO SPECIFICATION 02 82 11 APPENDIX A1 FOR ABATEMENT REPORT. THE CONTRACTOR SHALL ADHERE TO AND FOLLOW THE ABATEMENT REPORT FOR ALL KNOWN ABATEMENT LOCATIONS.
- COORDINATE ACCESS PROCEDURES, PROTECTION OF EXISTING RME STORAGE RACKS/EQUIPMENT, CLEANUP AND WORK HOURS WITH THE VA.
- REFER TO MECHANICAL AND PIPING DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND ROUTING OF PIPING/DUCT WORK.
- DEVICE/LIGHTING FIXTURE LABELED AS (REL) SHALL BE DISCONNECTED AND REMOVED DURING CONSTRUCTION. UPON INSTALLATION OF NEW CEILING IN THE SPACE, RE-INSTALL AND CONNECT EXISTING DEVICE/LIGHTING FIXTURE. PROTECT WIRING AND DEVICE/LIGHTING FIXTURE DURING CONSTRUCTION.
- OCCUPANCY SENSOR WALL SWITCH SHOWN ON DRAWING SHALL BE CONNECTED TO NEW LIGHTING FIXTURE(S) WITHIN THE SAME SPACE.

SHEET KEYNOTES:

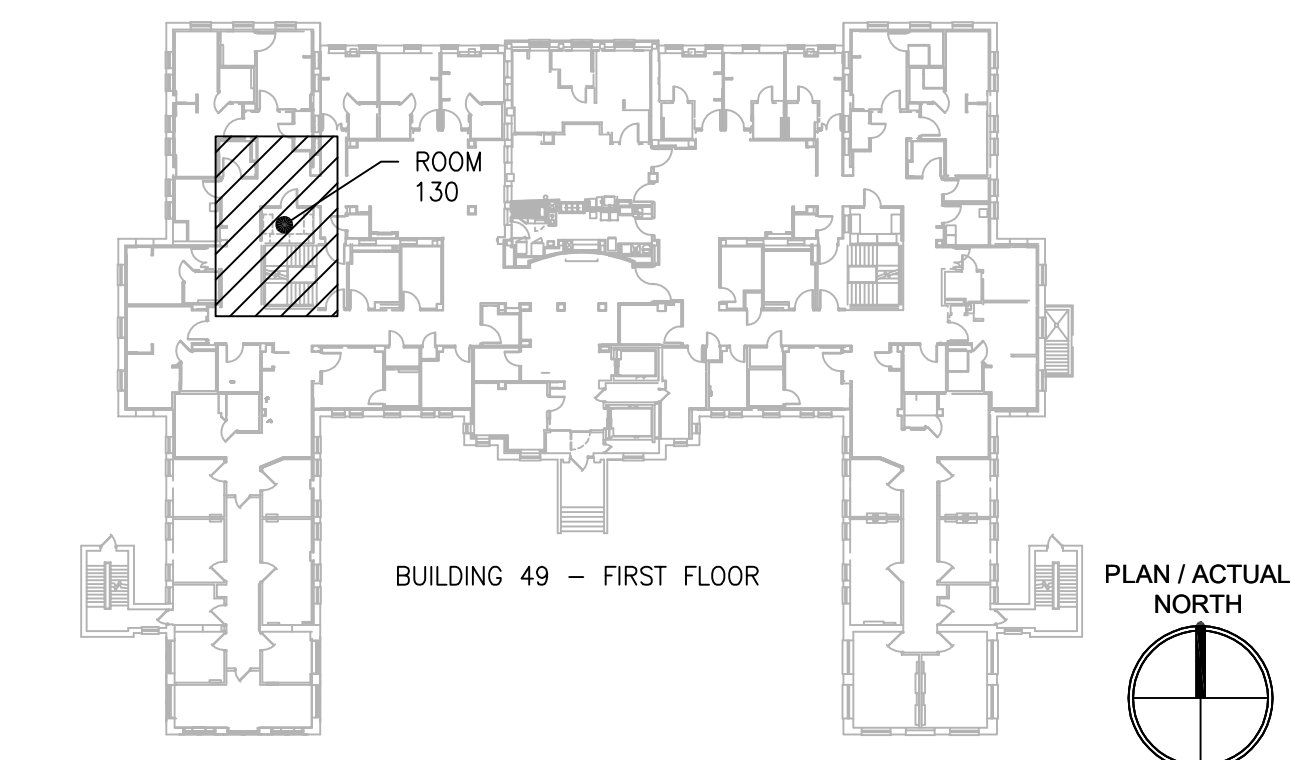
- DISCONNECT AND REMOVE EXISTING LIGHTING CIRCUIT. PROTECT BRANCH CIRCUIT DURING CONSTRUCTION.
- PROVIDE NEW LIGHTING FIXTURE AND CONNECT TO EXISTING BRANCH CIRCUIT PREVIOUSLY FEEDING DEMOLISHED LIGHTING FIXTURE. CONNECT TO EXISTING ROOM LIGHTING CONTROLS. PROVIDE ADDITIONAL CONDUIT AND WIRING AS NEEDED.
- REMOVE PORTION OF ABOVE-CEILING CABLE TRAY. PROVIDE J-HOOKS TO RE-SUPPORT CABLES PREVIOUS ROUTED IN REMOVED CABLE TRAY.



1 FIRST FLOOR ROOM 130 - DEMOLITION
SCALE: 1/4" = 1'-0"
REF. DWG: 49-E-111



2 FIRST FLOOR ROOM 130 - NEW WORK
SCALE: 1/4" = 1'-0"
REF. DWG: 49-E-111



KEYPLAN
SCALE: NTS

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NO.	DESCRIPTION	DATE

PROJECT TEAM



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MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title
ELECTRICAL FIRST FLOOR - DEMOLITION & NEW WORK PART PLANS

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS
NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
UPGRADE SPS HVAC & ENVIRONMENTAL CONTROLS

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date	Checked	Drawn
2022-07-15	RC	DR

Project Number
656-18-300

Building Number
49

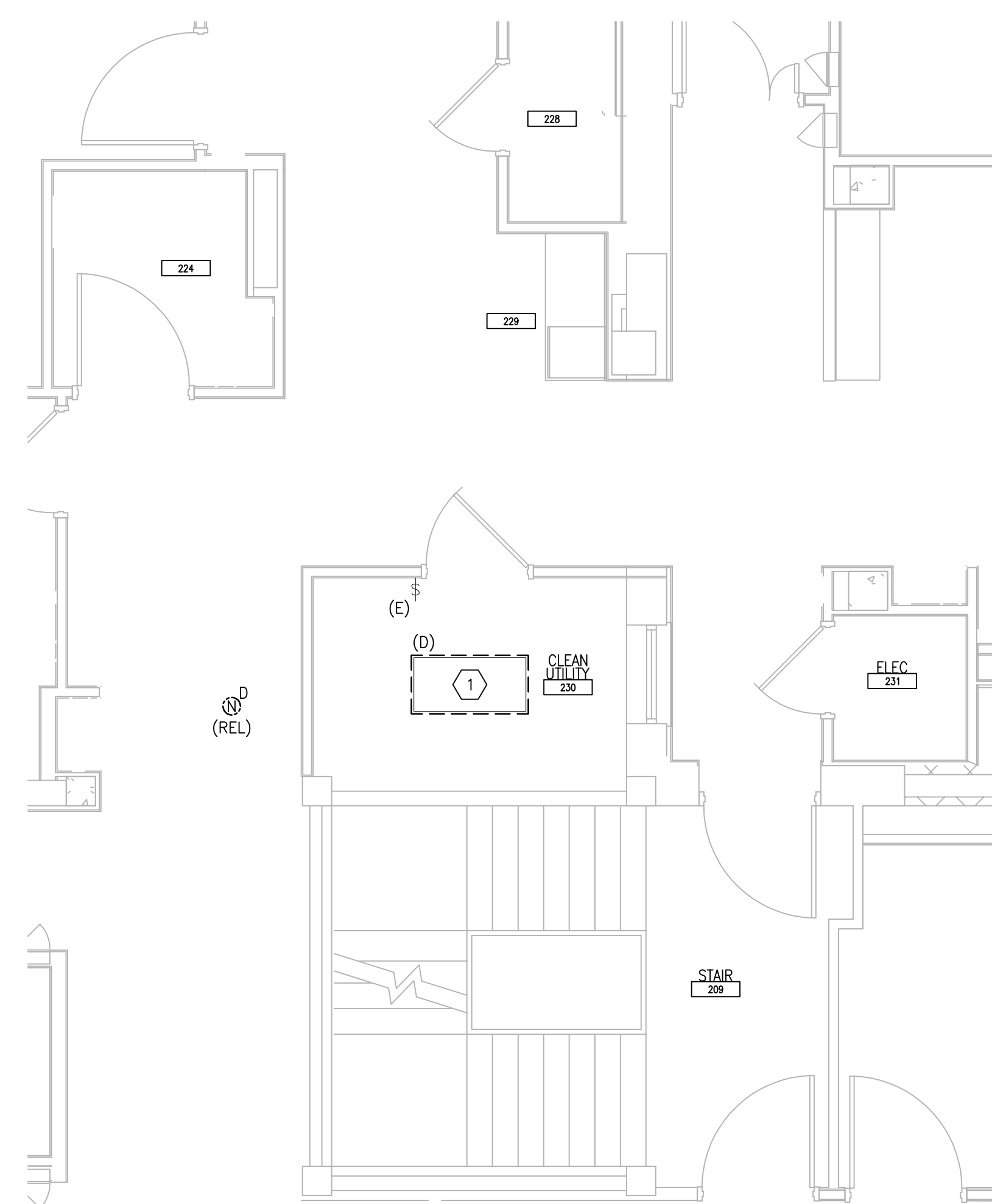
Drawing Number
49-EP111

GENERAL SHEET NOTES:

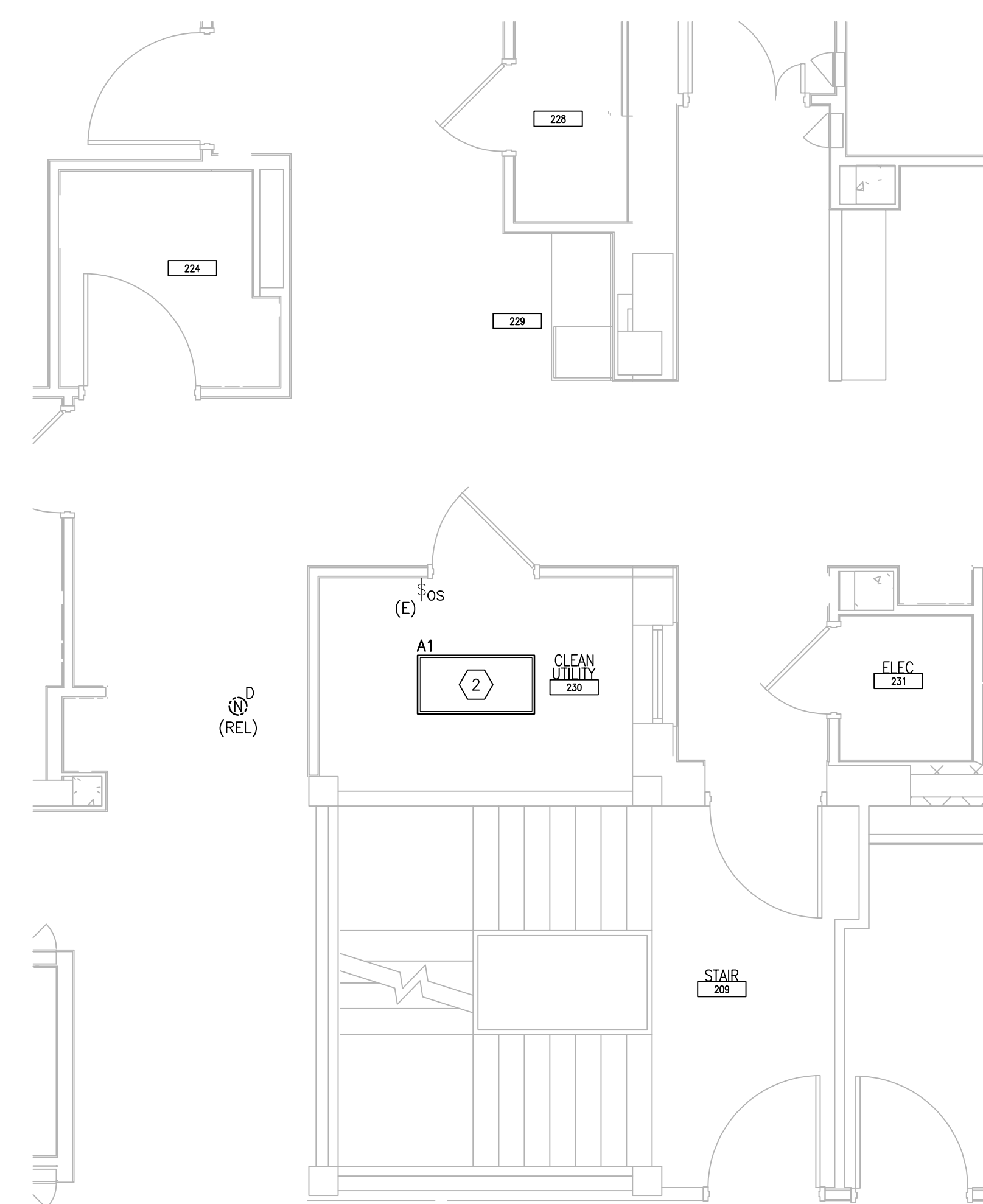
1. REFER TO SHEETS E-001 AND E-002 FOR ABBREVIATIONS, SYMBOLS AND NOTES.
2. REFER TO SHEET 49-E-121 FOR LOCATION OF PANELBOARDS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ICRA BARRIER LOCATIONS AND ALL WORK ASSOCIATED WITH CEILINGS.
4. ADHERE TO ALL ICRA REQUIREMENTS LISTED ON 0101 AND IN SPECIFICATIONS. THE DIFFERENT WORK SPACES ICRA LEVEL HAS BEEN DEFINED BY THE VA AS LEVEL 3 UNLESS OTHERWISE INDICATED. ALL EQUIPMENT IN THE ROOM SHALL BE PROTECTED FROM DUST, DEBRIS AND PHYSICAL DAMAGE AT ALL TIMES.
5. AVOID CEILING-MOUNTED AND WALL-MOUNTED DEVICES (I.E. SIGNAGE, LIGHTING FIXTURE, FIRE ALARM, NURSE CALL, WAPS, ETC.) WHEN LOCATING ICRA WALLS. WHERE DEVICES CANNOT BE AVOIDED, THE CONTRACTOR SHALL TEMPORARILY RELOCATE THE DEVICE AND REINSTALL AT ORIGINAL LOCATION AFTER REMOVAL OF ICRA WALL.
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10. OCCUPANCY SENSOR WALL SWITCH SHOWN ON DRAWING SHALL BE CONNECTED TO NEW LIGHTING FIXTURE(S) WITHIN THE SAME SPACE.

SHEET KEYNOTES:

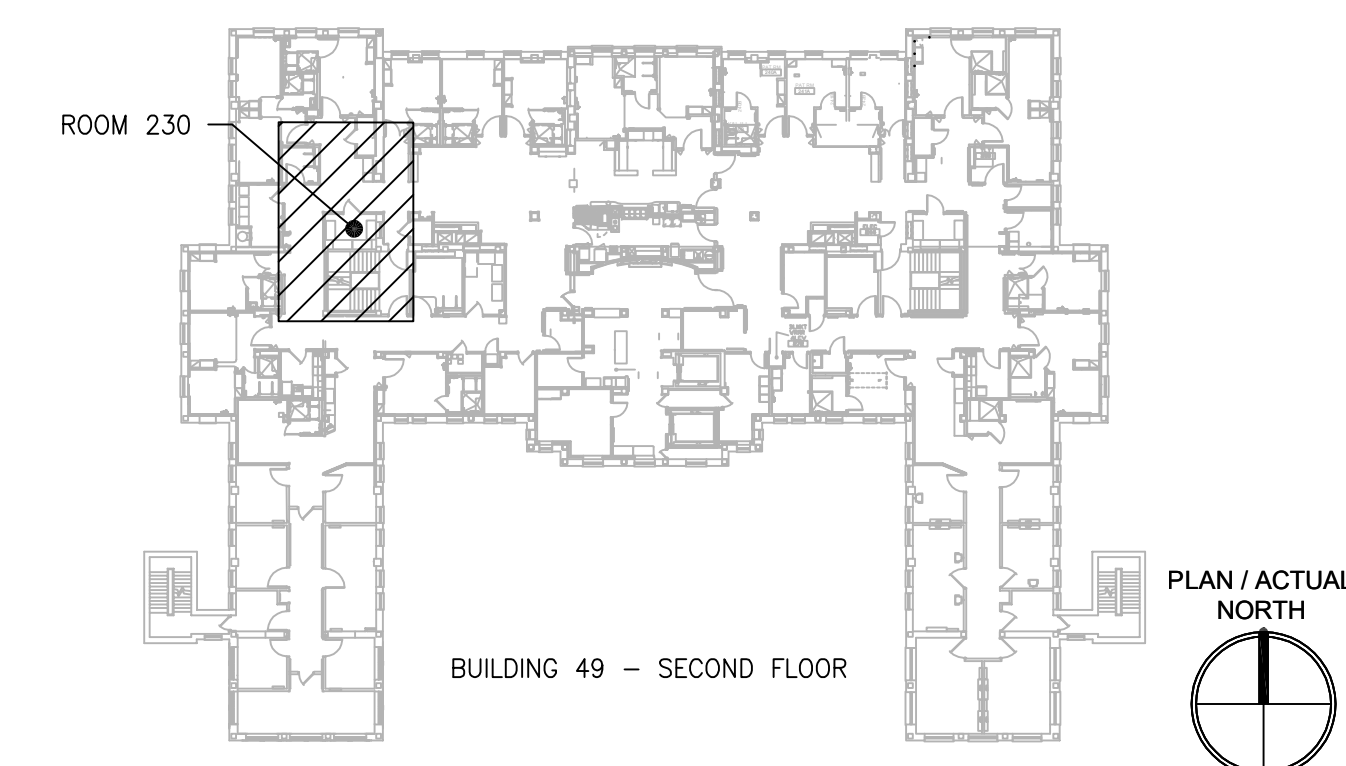
1. DISCONNECT AND REMOVE EXISTING LIGHTING CIRCUIT. PROTECT BRANCH CIRCUIT DURING CONSTRUCTION.
2. PROVIDE NEW LIGHTING FIXTURE AND CONNECT TO EXISTING BRANCH CIRCUIT PREVIOUSLY FEEDING DEMOLISHED LIGHTING FIXTURE. CONNECT TO EXISTING ROOM LIGHTING CONTROLS. PROVIDE ADDITIONAL CONDUIT AND WIRING AS NEEDED.



1 SECOND FLOOR ROOM 230 - DEMOLITION
SCALE: 1/4" = 1'-0"
REF DWG: 49-E-121



2 SECOND FLOOR ROOM 230 - NEW WORK
SCALE: 1/4" = 1'-0"
REF DWG: 49-E-121



KEYPLAN
SCALE: NTS

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NO.	DESCRIPTION	DATE

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MR PROJECT NO: 0376-0011

MILLER-REMICK LLC
PROFESSIONAL ENGINEER

Office of
Construction
and Facilities
Management



Drawing Title
**ELECTRICAL
SECOND FLOOR - DEMOLITION & NEW
WORK PART PLANS**

Approved: Project Director

Phase
100% CONSTRUCTION
DOCUMENTS
NOT FOR CONSTRUCTION

FULLY SPRINKLERED

Project Title
**UPGRADE SPS HVAC &
ENVIRONMENTAL CONTROLS**

Location
ST. CLOUD VA MEDICAL CENTER, MN

Issue Date	Checked	Drawn
2022-07-15	RC	DR

Project Number
656-18-300

Building Number
49

Drawing Number
49-EP121

