


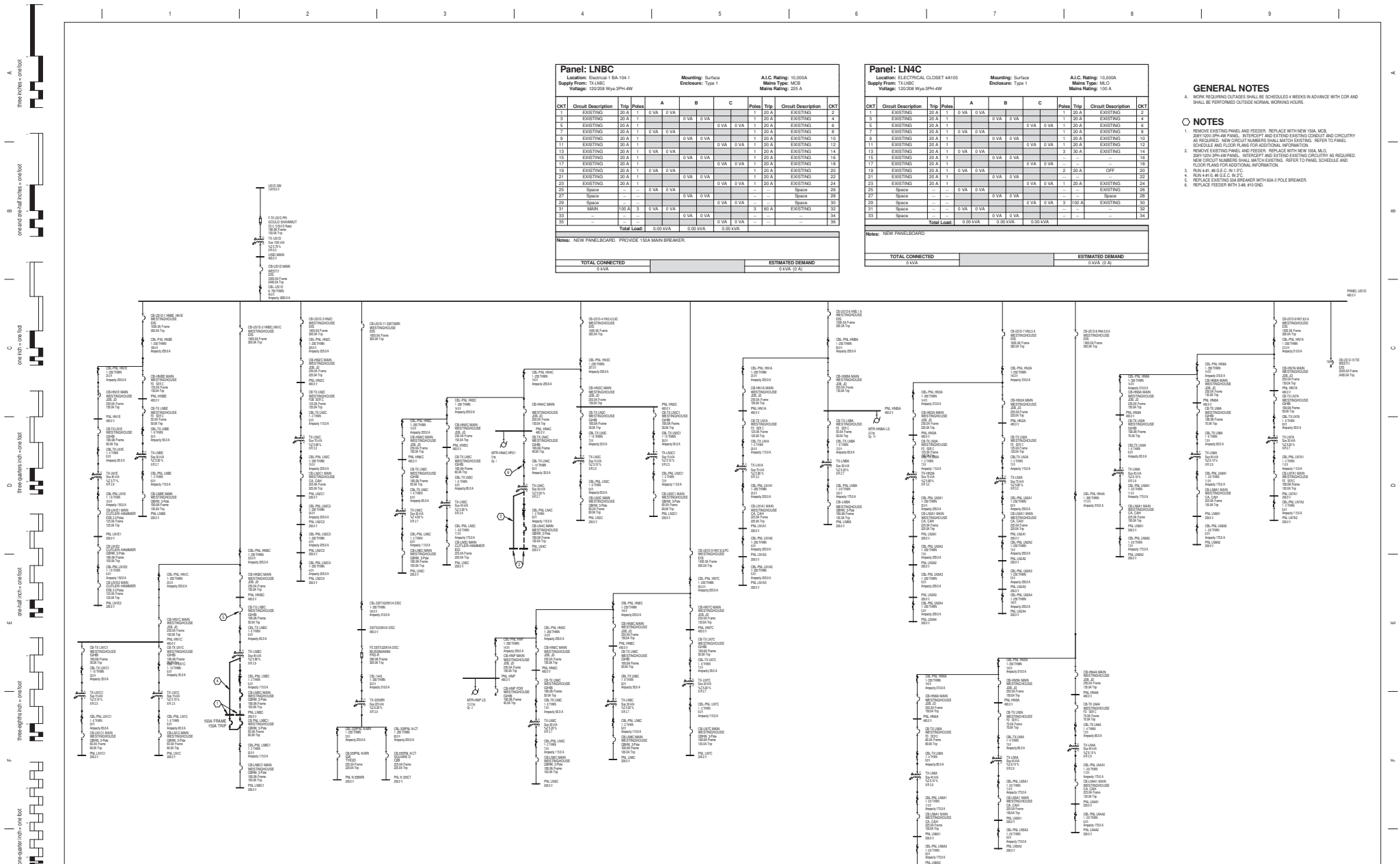


7/11/2007 5:40:38 PM		CONSULTANTS:	 Heapy Engineering MEP Design Technology Planning Commissioning Energy <i>Nationally Recognized Leader in Sustainability</i> 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No.: 2016-05088 Firm License No.: 01528		ARCHITECT/ENGINEERS: 	Drawing Title B330 SINGLE-LINE DIAGRAM	Project Title CORRECT ARC FLASH DEFICIENCIES	Project No. VA Project No. JRS Project No. Building Number	Office of Construction and Facilities Management	
						Location Dayton, Ohio	Drawing Number 330E001	Date 07/06/2017	Checked MSG Drawn JRS Dwg. of	Department of Veterans Affairs
						Approved: Project Director				



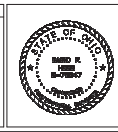
1 B330-US1D SINGLE-LINE DIAGRAM

Scale: N.T.S.

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JOHN POE ARCHITECTS

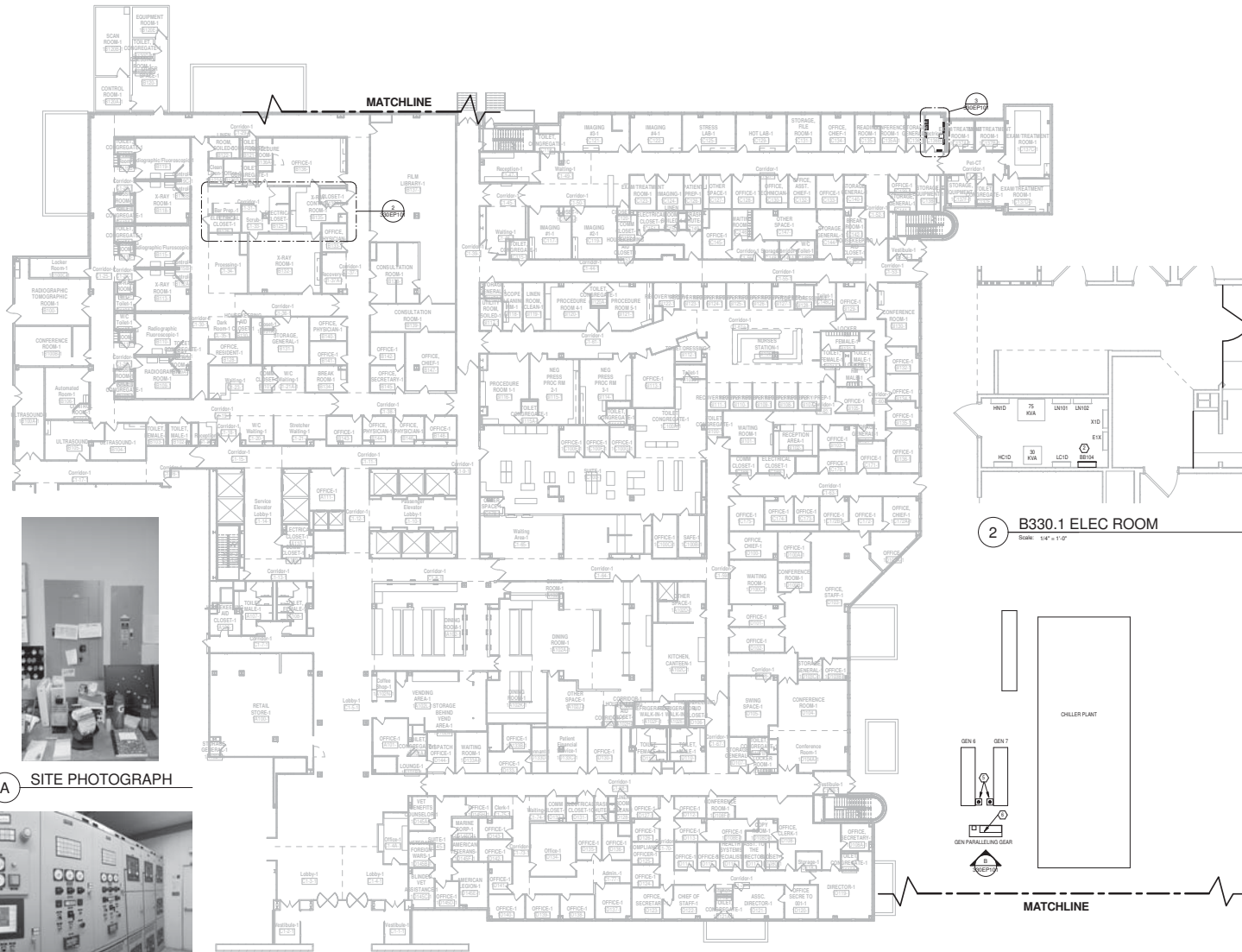
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Drawing Title

**B330 US1D - SINGLE LINE
DIAGRAM**

Approved: Project Director

Project Title CORRECT ARC FLASH DEFICIENCIES		Project No VA Project No. 552-18-051 JPA Project No. -		Office of Construction and Facilities Management
Location Dayton, Ohio		Building Number		
		Drawing Number 330E003		
Date 07/06/2017	Checked MSG	Drawn JRS	 Department of Veterans Affairs	



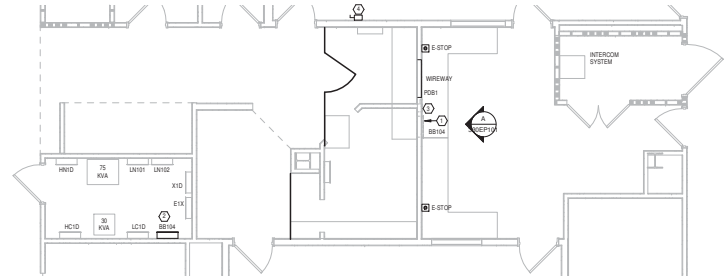
A SITE PHOTOGRAPH



B SITE PHOTOGRAPH

B330 - FIRST FLOOR POWER PLAN
Scale: 1/8" = 1'-0"

2 B330.1 ELEC ROOM
Scale: 1/4" = 1'-0"



3 ELECTRIC ROOM
Scale: 1/4" = 1'-0"



C SITE PHOTOGRAPH

GENERAL NOTES

- A. SCHEDULE ANY OUTAGES WITH THE COR 4 WEEKS PRIOR TO PERFORMING WORK. CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION NARRATIVE TO THE COR AND ENGINEER FOR APPROVAL PRIOR TO SCHEDULING SHUTDOWN. NARRATIVE SHALL INCLUDE DATE AND TIME OF SHUTDOWN, ANTICIPATED DURATION AND SEQUENCE OF REMOVAL AND INSTALLATION. CONTRACTOR SHALL SCHEDULE A WALK THRU WITH THE COR AND ENGINEER PRIOR TO PERFORMING WORK.
- B. PROVIDE DEDICATED NEUTRAL FOR ALL CIRCUITS UNLESS OTHERWISE INDICATED.
- C. GFI CONDUIT SHALL BE 1/2" MINIMUM.
- D. CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT FEEDERS FROM TEST STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.
- E. IN EACH BRANCH CIRCUIT, THE MAINLINE ELECTRICAL EQUIPMENT SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND A SHARED GROUND INSULATED EQUIPMENT INCLUDING CONDUIT WITHIN THE RACEWAY.
- F. UNDER DISJUNCT ALL #2 TRACE EACH BRANCH CIRCUIT FED BY EACH PANEL MODIFIED UNDER THE PROJECT AND UPDATE PANEL SCHEDULES ACCORDING TO ROOMS EQUIPMENT IT SERVES.

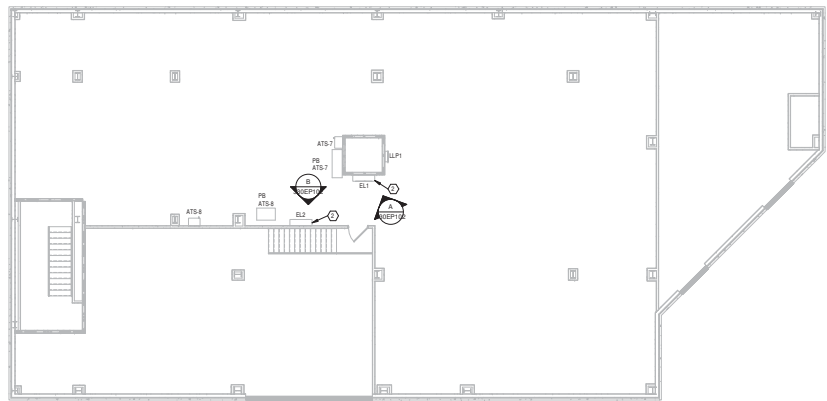
NOTES

1. REMOVE PANEL COVER AND INTERIOR. USE NON-REVERSIBLE COMPRESSION TYPE SPACERS TO EXTEND EXISTING FEEDERS AND CIRCUITRY TO NEW PANEL LOCATION WHERE INDICATED. PROVIDE CUSTOM BLANK COVER FOR PANEL. SUBMIT A SEQUENCE OF CONSTRUCTION NARRATIVE TO THE COR FOR APPROVAL. INCLUDE WORK TO BE PERFORMED, OUTAGE DURATION, AND START & COMPLETION TIMES.
2. NEW PANEL LOCATION. SEE THE MAINLINE ELECTRICAL EQUIPMENT FOR LOCATION. REMOVE EXISTING CIRCUIT BREAKER AND EXTEND CIRCUITRY USING NON-REVERSIBLE COMPRESSION TYPE SPACERS TO NEW LOCATION. PROVIDE CUSTOM BLANK COVER.
3. NEW EXISTING CIRCUIT BREAKER LOCATION.
4. PROVIDE WEATHER PROOF CLEAR PROTECTIVE COVERS FOR 4-STOP PUSH BUTTON. PASTAL SIGNAGE INDICATING PROCEDURES TO BE TAKEN IN THE EVENT OF A GROUND FAULT. SIGNAGE SHALL BE PERMANENTLY MOUNTED TO FRONT OF SWITCHGEAR.
5. REPLACE 4-STOP BREAKER WITH 4-STOP BREAKER. REFER TO SINGLE LINE DIAGRAM. PERFORM WORK OUTSIDE OF NORMAL WORKING HOURS.

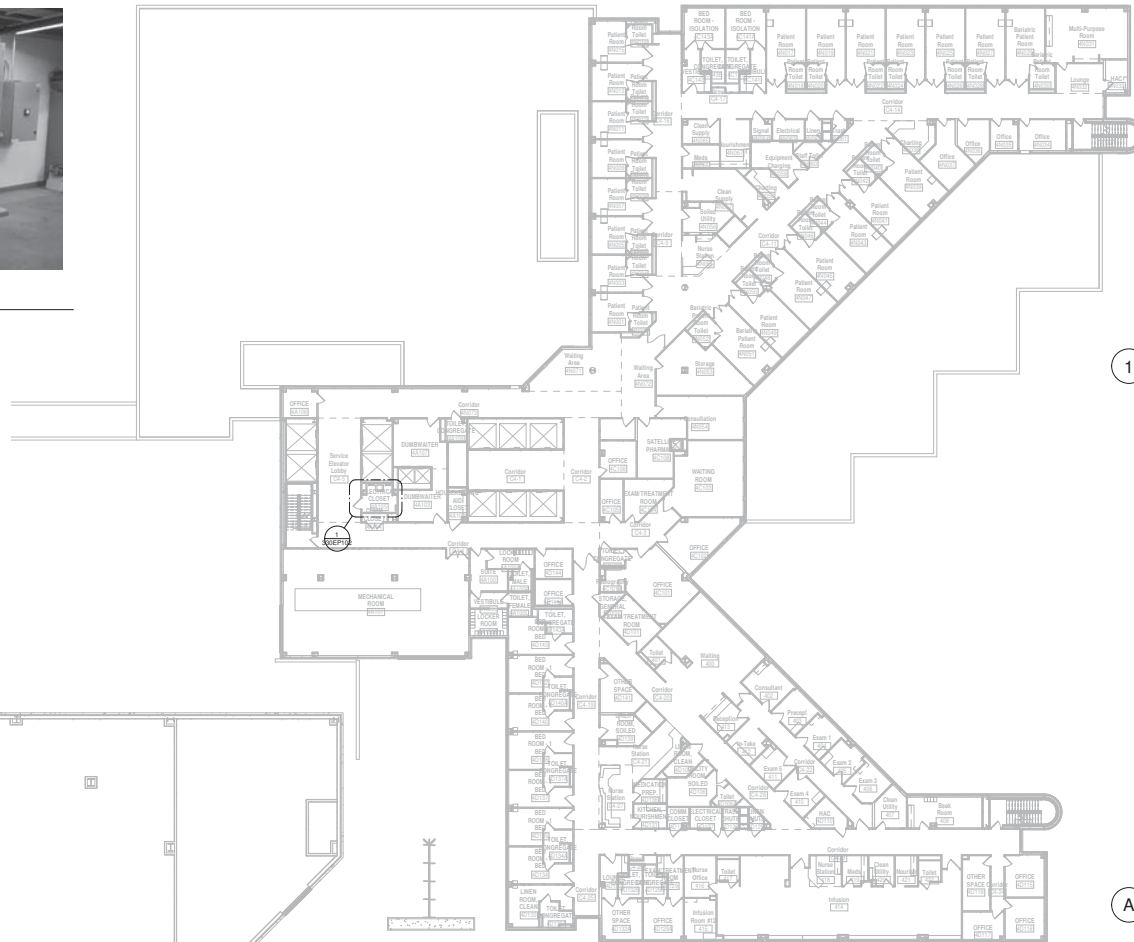
<p>7/11/2017 5:41:37 PM</p>	<p>CONSULTANTS:</p> <p>Heapy Engineering MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No.: 2016-05088 Firm License No.: 91528</p>	<p>ARCHITECT/ENGINEERS:</p> <p>JOHN POE ARCHITECTS</p> <p>313 BIRMINGHAM DRIVE SUITE 200 MARIETTA, OHIO 45752 937 481 5286 PHONE 937 481 5286 FAX jpo@johnpoe.com</p>	<p>Drawing Title</p> <p>B330 1ST FLOOR POWER PLAN</p> <p>Approved: Project Director</p>	<p>Project Title</p> <p>CORRECT ARC FLASH DEFICIENCIES</p> <p>Location: Dayton, Ohio</p> <p>Date: 6/16/2017 Checked: MSG Drawn: JRS</p>	<p>Project No.: 520-16-551 JPA Project No.: Building Number: Drawing Number: 330EP101 Dep. of</p> <p>Office of Construction and Facilities Management Department of Veterans Affairs</p>
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B SITE PHOTOGRAPH



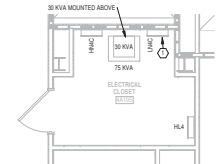
ELEVATOR MACHINE ROOM
Scale: 1/8" = 1'-0"



FOURTH FLOOR PLAN - POWER
Scale: 1/8" = 1'-0"

- GENERAL NOTES**
- WORK REQUIRING OUTAGES SHALL BE SCHEDULED 4 WEEKS IN ADVANCE WITH COR AND SHALL BE PERFORMED OUTSIDE NORMAL WORKING HOURS.
 - PROVIDE DEDICATED NEUTRAL FOR ALL CIRCUITS UNLESS OTHERWISE INDICATED.
 - EST. CONDUIT SHALL BE 1/2" MINIMUM.
 - CONDUIT TOP SHALL RETAIN ELECTRICAL CONDUIT FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADERS ABOVE CEILING EQUIPMENT.
 - CONDUIT SHALL BE 1/2" MINIMUM.
 - BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND A SHARED GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN THE RACEWAY.

- NOTES**
- REPLACE EXISTING PANELBOARD WITH NEW 100A MCO, 200V 120/208V 4P/4W PANELBOARD. REFER TO SINGLE LINE DIAGRAM.
 - HAVE EXISTING BRITCHBOARD INSPECTED AND ALL FIELD LABELED.

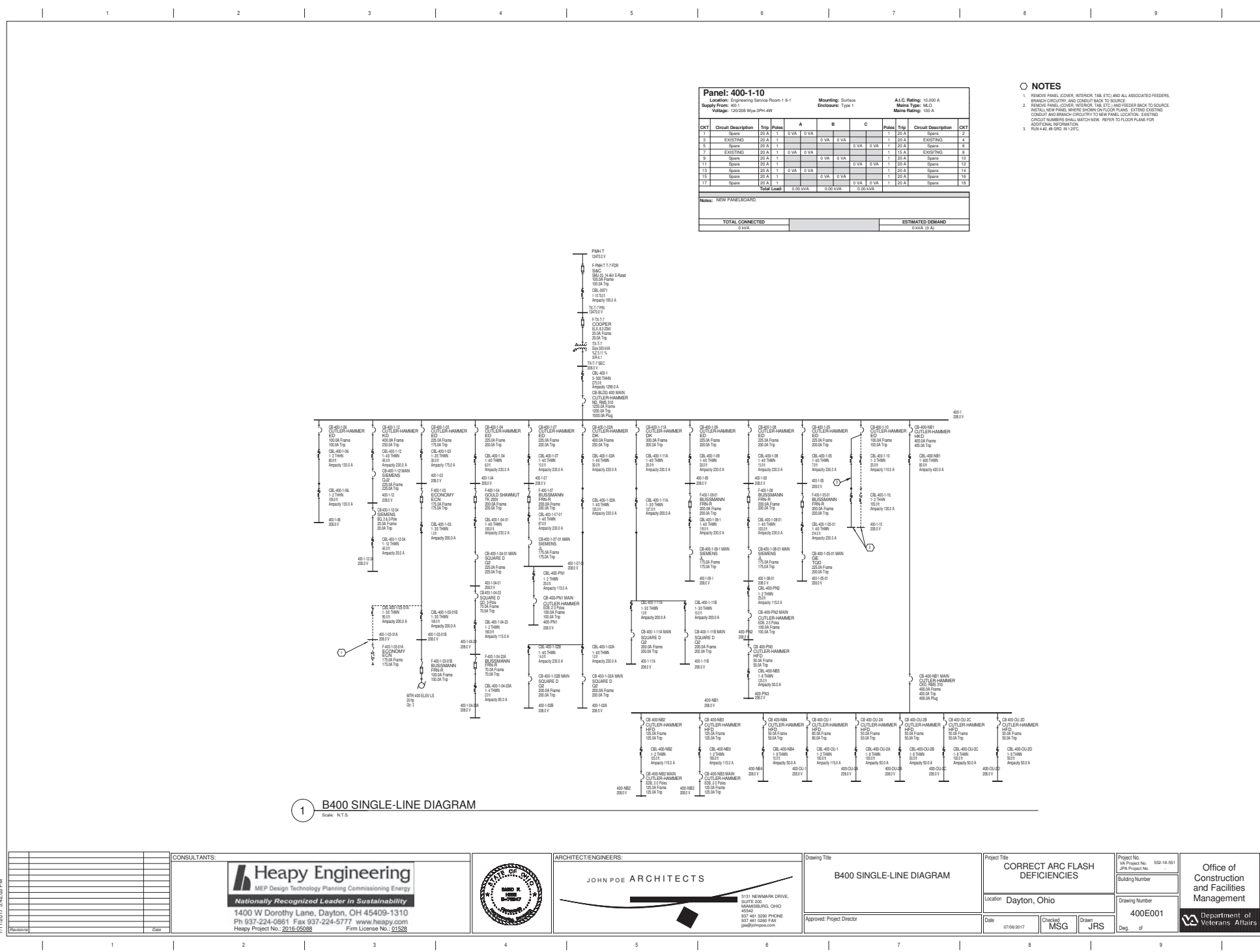


1 ELECTRICAL CLOSET 4A105
Scale: 1/4" = 1'-0"



A SITE PHOTOGRAPH
Scale: N.T.S.

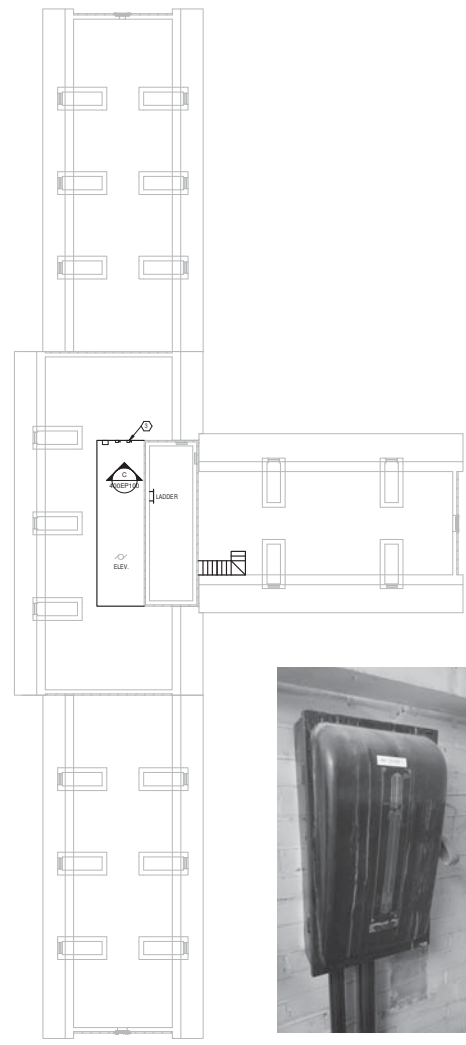
<p>7/11/2017 5:42:02 PM</p>	<p>CONSULTANTS:</p> <p>Heapy Engineering MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No.: 2016-05088 Firm License No.: 91528</p>	<p>ARCHITECT/ENGINEERS:</p> <p>JOHN POE ARCHITECTS</p> <p>3113 BIRMINGHAM DRIVE, SUITE 200 MARIETTA, OHIO 45754 937-481-5286 PHONE 937-481-5286 FAX jpo@johnpoe.com</p>	<p>Drawing Title</p> <p>B330 4TH FLOOR POWER PLAN</p> <p>Approved: Project Director</p>	<p>Project Title</p> <p>CORRECT ARC FLASH DEFICIENCIES</p> <p>Location: Dayton, Ohio</p> <p>Date: 6/10/2017 Checked: MSG Drawn: JRS</p>	<p>Project No.: 550-16-551 JPH Project No.: Building Number: Drawing Number: 330EP102 Dep. of</p>	<p>Office of Construction and Facilities Management Department of Veterans Affairs</p>
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NOTES

1. REMOVE PANEL (COVER, INTERIOR, TAB, ETC) AND ALL ASSOCIATED FEEDERS, BRANCH CIRCUITRY, AND CONDUIT BACK TO SOURCE.
2. REMOVE PANEL COVER, INTERIOR, TAB, ETC.) AND FEEDER BACK TO SOURCE. INSTALL NEW PANEL WHERE SHOWN ON FLOOR PLANS. EXTEND EXISTING CONDUIT AND BRANCH CIRCUITRY TO NEW PANEL LOCATION. EXISTING CIRCUIT NUMBERS SHALL MATCH NEW. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
3. RUN #4-2, 86 GND. IN 125°C.

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



C SITE PHOTOGRAPH



A SITE PHOTOGRAPH



B SITE PHOTOGRAPH

- GENERAL NOTES**
- A. SCHEDULE ANY OUTAGES WITH THE DOR 4 WEEKS PRIOR TO PERFORMING WORK.
 - B. WORK REQUIRES OUTAGES SHALL BE PERFORMED OUTSIDE NORMAL WORKING HOURS.
 - C. PROVIDE DESIGNATED NEUTRAL FOR ALL CIRCUITS UNLESS OTHERWISE INDICATED.
 - D. EMT CONDUIT SHALL BE 1/2" MINIMUM.
 - E. CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRUNKS ABOVE CEILING EQUIPMENT.
 - F. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS.
 - G. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND A SHARED GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN THE RACEWAY.
 - H. UNDER SELECT ALL AT THREE EACH BRANCH CIRCUIT FEED BY EACH PANEL MODIFIED UNDER THIS PROJECT AND UPDATE PANEL SCHEDULE ACCORDING TO ROOM/EQUIPMENT IT SERVES.
- NOTES**
- 1. REMOVE PANEL AND ALL ASSOCIATED CIRCUITRY, CONDUIT, TRANSFORMERS (3-10KVA) AND FEEDING BACK TO SOURCE.
 - 2. REMOVE PANEL, INSTALL 100A 120V 1P/1N NEMA 4X JUNCTION BOX AND USE NON-REVERSIBLE COMPRESSION THE SPACES TO EXISTING EXISTING CIRCUITRY TO NEW PANEL LOCATION.
 - 3. REMOVE ANTICUTTER DISCONNECT, CIRCUIT AND CONDUIT BACK TO SOURCE.
 - 4. NEW PANEL LOCATION, REFER TO SINGLE LINE DIAGRAM.




B400 - ATTIC FLOOR PLAN - POWER
Scale: 3/32" = 1'-0"

B400 - BASEMENT FLOOR PLAN - POWER
Scale: 3/32" = 1'-0"

PROJECT 7/11/2017 5:42:14 PM	CONSULTANTS: Heapy Engineering MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No.: 2016-05088 Firm License No.: 91528	ARCHITECT/ENGINEERS: JOHN POE ARCHITECTS 3131 BIRMINGHAM DRIVE, SUITE 200, MARIETTA, OHIO 45742 937-481-5200 PHONE 937-481-5200 FAX jpo@johnpoe.com	Drawing Title B400 BASEMENT & ATTIC POWER PLANS Approved: Project Director	Project Title CORRECT ARC FLASH DEFICIENCIES Location Dayton, Ohio Date 07/06/2017 Checked MSG Drawn JRS	Project No. 550-16-551 JPA Project No. Building Number Drawing Number 400EP100 Des. of	Office of Construction and Facilities Management Department of Veterans Affairs

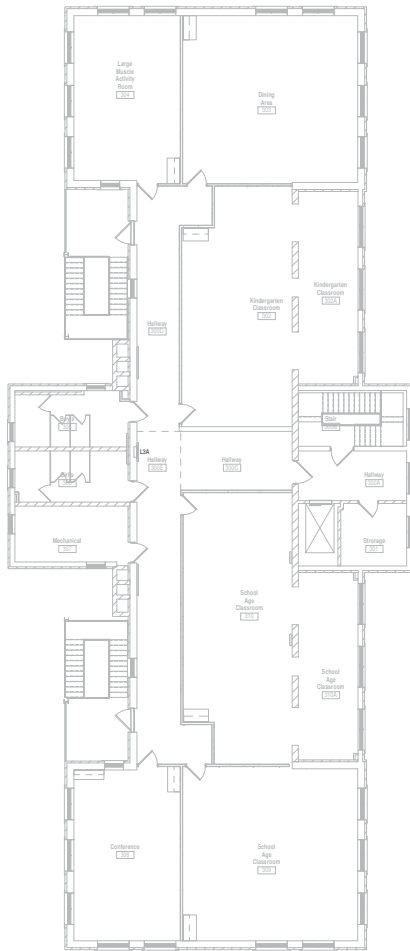


Scale: N.T.S.

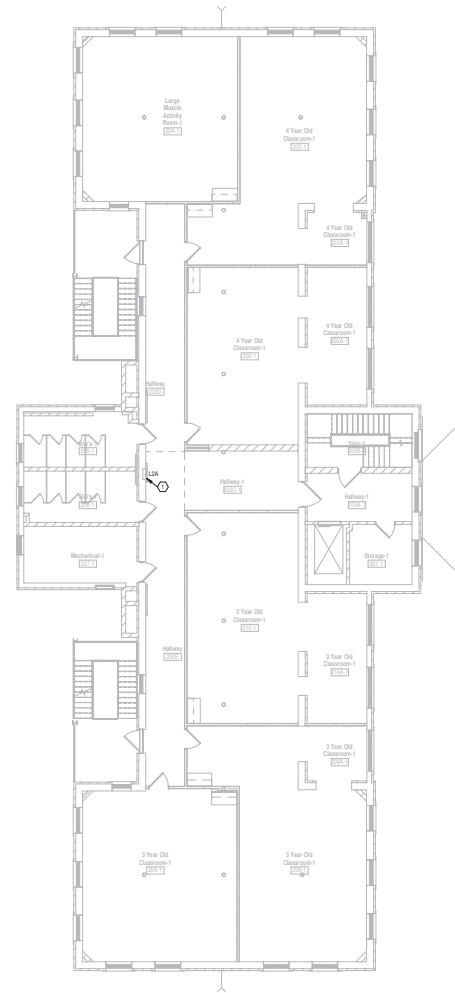
		CONSULTANTS:		<div>Heapy Engineering MEP Design Technology Planning Commissioning Energy <i>Nationally Recognized Leader in Sustainability</i> 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ptn 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No: 2016-05088 Firm License No: 01538</div>		<div></div>		ARCHITECT/ENGINEERS: <div><div>JOHN POE ARCHITECTS</div><div></div><div>3131 NEWMARK DRIVE, SUITE 200 MARIETTA, OHIO 43002 937-481-5290 PHONE 937-481-5290 FAX jpae@johnpoe.com</div></div>		Drawing Title B401 SINGLE-LINE DIAGRAM		Project No VA Project No: 652-16-051 JPS Project No: Building Number		Office of Construction and Facilities Management			
								Location Dayton, Ohio		Drawing Number 401E001		Department of Veterans Affairs					
Revision Date								Approved: Project Director		Date 07/06/2017		Checked MSG		Drawn JRS		Desig. of	

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

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



THIRD FLOOR PLAN - POWER
Scale: 1/8" = 1'-0"




SECOND FLOOR PLAN - POWER
Scale: 1/8" = 1'-0"

GENERAL NOTES

- SCHEDULE ANY OUTAGES WITH THE CDR 4 WEEKS PRIOR TO PERFORMING WORK.
- WORK PERFORMED IN BUILDING 401 SHALL BE PERFORMED OUTSIDE NORMAL WORKING HOURS.

NOTES

- REPLACE EXISTING 150A/2P 208V BUS FEED BREAKER SERVING PANEL 1A1 WITH NEW 150A/2P 208V BREAKER. REFER TO SINGLE LINE DIAGRAM.

7/11/2017 5:42:22 PM		CONSULTANTS:		Heapy Engineering MEP Design Technology Planning Commissioning Energy Nationally Recognized Leader in Sustainability 1400 W Dorothy Lane, Dayton, OH 45409-1310 Ph 937-224-0861 Fax 937-224-5777 www.heapy.com Heapy Project No.: 2016-05088 Firm License No.: 91528				ARCHITECT/ENGINEERS: JOHN POE ARCHITECTS 3131 BIRMINGHAM DRIVE, SUITE 200 MARIETTA, OHIO 45752 937-481-5280 PHONE 937-481-5280 FAX jpo@johnpoe.com		Drawing Title B401 2ND & 3RD FLOOR POWER PLAN Approved: Project Director		Project Title CORRECT ARC FLASH DEFICIENCIES Location: Dayton, Ohio		Project No.: 550-16-551 JPA Project No.: Building Number: Drawing Number: 401EP100 Date: 07/06/2017 Checked: MSG Drawn: JRS		Office of Construction and Facilities Management Department of Veterans Affairs	
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A SITE PHOTOGRAPH

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