

## GENERAL NOTES

1. PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (MDP3, 208 VOLTS, 1000 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. REMOVE EXISTING TVSS. SEE GENERAL NOTE 10 & 12.
2. ROUTE A 1/0 COPPER WIRE FROM NEW GROUND GRID TO NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 & 12.



5MDPG

1. PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (5MPG, 208 VOLTS, 1600 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. SEE GENERAL NOTE 10 & 12.
2. ROUTE A 1/0 COPPER WIRE FROM NEW GROUND GRID TO NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 & 12.

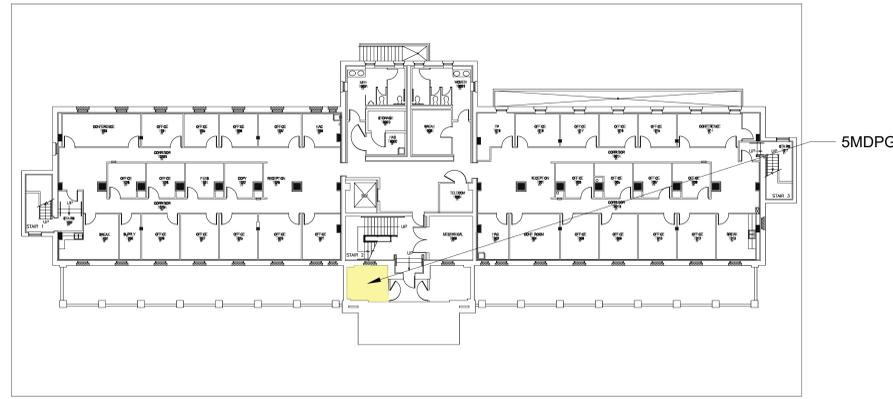


SMDPG

1. PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (M5B, 480 VOLTS, 1200 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED. SEE GENERAL NOTE 10 & 12.
2. ROUTE A 1/0 COPPER WIRE FROM NEW GROUND GRID TO NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 & 12.



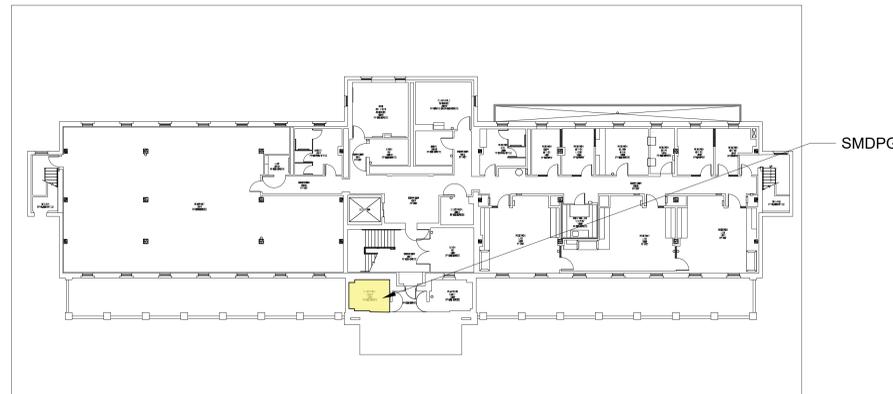
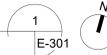
MSB-BH2 PANEL



5MDPG

### BUILDING 3 - MAIN ELECTRICAL PANEL MAPS

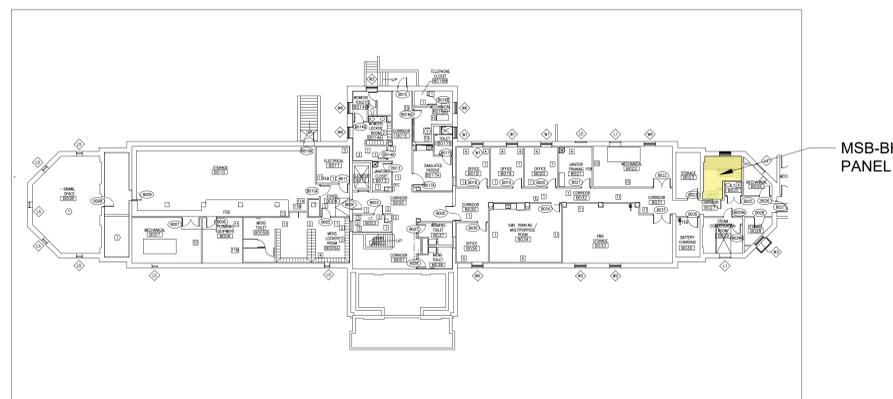
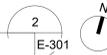
SCALE: N.T.S.



SMDPG

### BUILDING 5 - MAIN ELECTRICAL PANEL MAPS

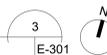
SCALE: N.T.S.



MSB-BH2 PANEL

### BUILDING 8 - MAIN ELECTRICAL PANEL MAPS

SCALE: N.T.S.



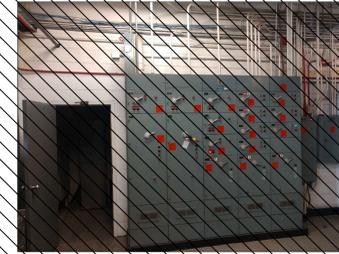
CONSULTANTS:  		ARCHITECT/ENGINEERS:  Raymond-Pond SDVOSB JV, LLC 1035 Green St. SE Suite A Conyers, GA 30012 770-483-9592 Art Warner		Drawing Title <b>MAIN ELECTRICAL PANEL MAPS (3, 5, &amp; 8)</b>		Project Title <b>LIGHTNING PROTECTION &amp; GROUNDING STUDY</b> BUILDINGS 3, 5, 8, 35, 36, 37, 108, 115, 116, 160, 161, 162, 200 COMPLEX (69, 77, 200, 204, 205) 201, 208		Project Number <b>621-22-117</b>		Office of Construction and Facilities Management	
Revisions:  				Approved: Project Director		Location <b>JAMES H. QUILLEN VA MEDICAL CENTER</b> MOUNTAIN HOME, TN		Building Number		Drawing Number <b>E-301</b>	
VA FORM 08-6231		 		 		Date <b>SEPT. 2022</b>		Checked <b>RL</b>		Drawn <b>CAS</b>	
 		 		 		Dwg. 25 of 33		 <b>U.S. Department of Veterans Affairs</b>		 	



**GENERAL NOTES**

1. PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (MCC DR-BH, 480 VOLTS, 800 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. SEE GENERAL NOTE 10 & 12.
2. PROVIDE A NEW TYPE 1, 240 KA SPD FOR THE ATS (480 VOLTS, 400 AMPS). CONNECT TO THE GENERATOR FEED SIDE OF THE ATS. SEE GENERAL NOTE 10 & 12.
3. ROUTE A 1/0 COPPER WIRE FROM NEW GROUND GRID TO NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 & 12.

**NOT IN CONTRACT**

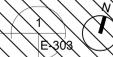


ATS

MCC

**BUILDING 108 - MAIN ELECTRICAL PANEL MAPS**

SCALE: N.T.S.

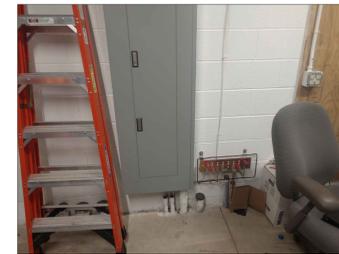


RELAY PANEL

MAIN PANEL



RELAY PANEL

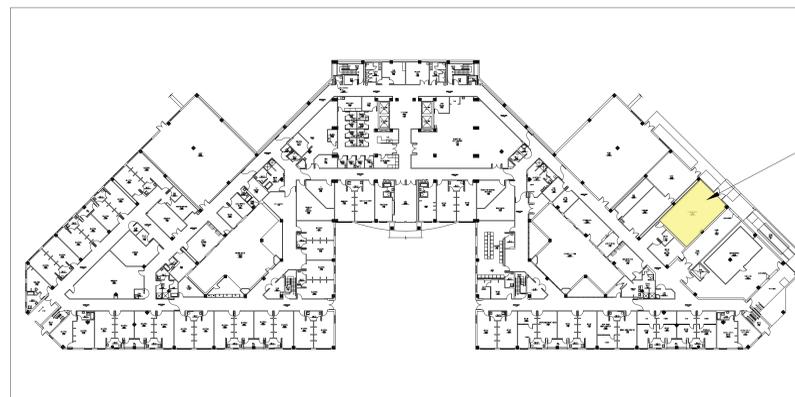
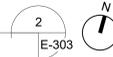


MAIN PANEL

1. PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (208 VOLTS, 150 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. SEE GENERAL NOTE 10 & 12.
2. PROVIDE A NEW TYPE 1, 240 KA SPD FOR THE PANEL (208 VOLTS, 225 AMPS) PROVIDING POWER TO CONTROLS FOR MEDIUM VOLTAGE BREAKERS. CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. SEE GENERAL NOTE 10 & 12.
3. GROUND BUS BAR IS EXISTING IN B115. LEAVE AS IS.

**BUILDING 115 - MAIN ELECTRICAL PANEL MAPS**

SCALE: N.T.S.



MAIN SWITCHGEAR MSG

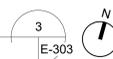


MAIN SWITCHGEAR

1. PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (MSG-160, 480 VOLTS, 3200 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. SEE GENERAL NOTE 10 & 12.
2. PROVIDE A NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 AND 12.

**BUILDING 160 - MAIN ELECTRICAL PANEL MAPS**

SCALE: N.T.S.

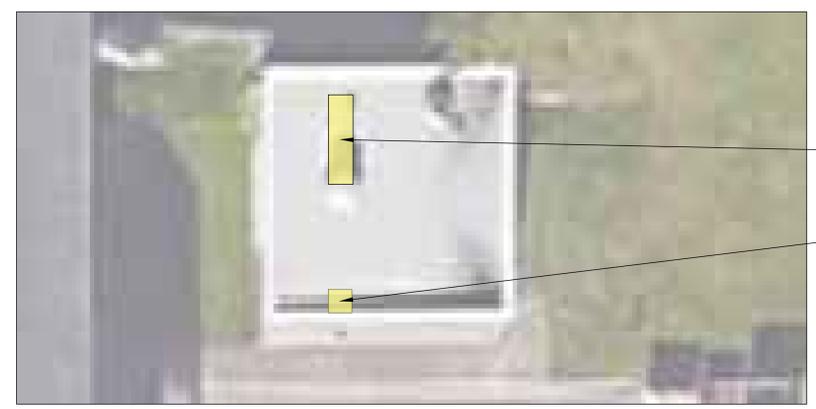


three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one eighth inch = one foot

CONSULTANTS:  		ARCHITECT/ENGINEERS:  <b>RAYMOND POND JV</b> Raymond-Pond SDVOSB JV, LLC 1035 Green St. SE Suite A Conyers, GA 30012 770-483-9592 Art Warner		Drawing Title <b>MAIN ELECTRICAL PANEL MAPS (108, 115, &amp; 160)</b>		Project Title <b>LIGHTNING PROTECTION &amp; GROUNDING STUDY</b> BUILDINGS 3, 5, 8, 35, 36, 37, 108, 115, 116, 160, 161, 162, 200 COMPLEX (69, 77, 200, 204, 205) 201, 208		Project Number 621-22-117 Building Number		Office of Construction and Facilities Management U.S. Department of Veterans Affairs			
Revisions: _____ Date		Approved: Project Director		Location JAMES H. QUILLLEN VA MEDICAL CENTER MOUNTAIN HOME, TN		Drawing Number <b>E-303</b> Dwg. 27 of 33		Date SEPT. 2022		Checked RL		Drawn CAS	

### GENERAL NOTES

- UTILIZE EXISTING SPD INSTALLED MAIN SERVICE PANEL (MAIN PANEL, 480 VOLTS, 2000 AMPS).
- ROUTE A 1/0 COPPER WIRE FROM NEW GROUND GRID TO NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 & 12.



MAIN PANEL  
ATS



MAIN PANEL

- PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (MSB-162, 208 VOLTS, 1600 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. SEE GENERAL NOTE 10 & 12.
- PROVIDE A NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 AND 12.



MSB-162

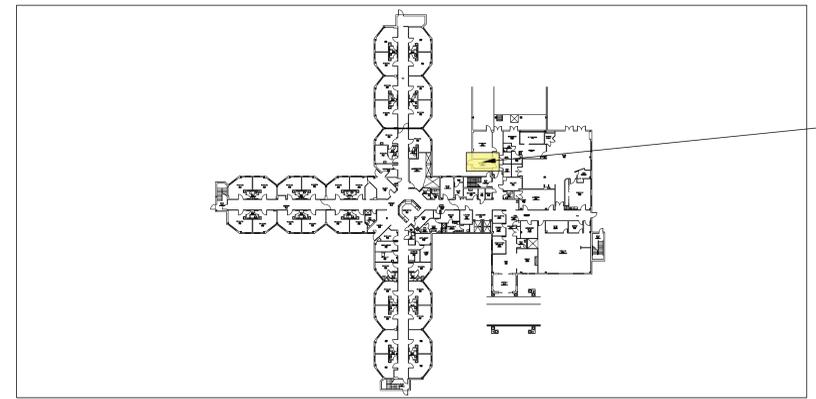
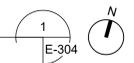
- PROVIDE A NEW TYPE 1, 240 KA SPD FOR MAIN SERVICE PANEL (MSG-201, 480 VOLTS, 1000 AMPS). CONNECT TERMINALS OF SPD ON SERVICE FEED TO MAIN BREAKER/MAIN LUGS. SEE GENERAL NOTE 10 & 12.
- ROUTE A 1/0 COPPER WIRE FROM NEW GROUND GRID TO NEW GROUND BUS FOR BUILDING. SEE GENERAL NOTE 11 & 12.



MSB-201

#### BUILDING 161 - MAIN ELECTRICAL PANEL MAPS

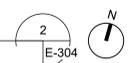
SCALE: N.T.S.



MSB-162  
PANEL

#### BUILDING 162 - MAIN ELECTRICAL PANEL MAPS

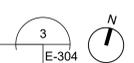
SCALE: N.T.S.



MSB-201  
PANEL

#### BUILDING 201 - MAIN ELECTRICAL PANEL MAPS

SCALE: N.T.S.



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

CONSULTANTS:  		ARCHITECT/ENGINEERS:  Raymond-Pond SDVOSB JV, LLC 1035 Green St. SE Suite A Conyers, GA 30012 770-483-9592 Art Warner		Drawing Title MAIN ELECTRICAL PANEL MAPS (161, 162, & 201)		Project Title LIGHTNING PROTECTION & GROUNDING STUDY BUILDINGS 3, 5, 8, 35, 36, 37, 108, 115, 116, 160, 161, 162, 200 COMPLEX (69, 77, 200, 204, 205) 201, 208		Project Number 621-22-117 Building Number		Office of Construction and Facilities Management U.S. Department of Veterans Affairs	
Revisions:  				Approved: Project Director		Location JAMES H. QUILLEN VA MEDICAL CENTER MOUNTAIN HOME, TN		Drawing Number E-304 Dwg. 28 of 33		VA	
VA FORM 08-6231						Date SEPT. 2022		Checked RL		Drawn CAS	