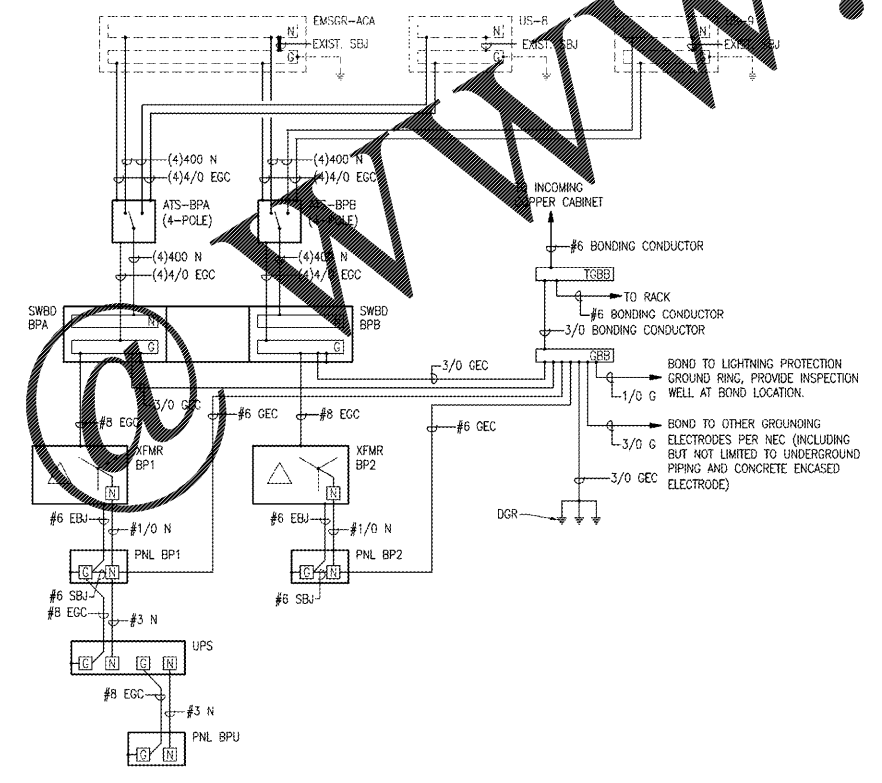


**POWER RISER DIAGRAM**  
SCALE: N.T.S.



**GROUNDING RISER DIAGRAM**  
SCALE: N.T.S.

**SHEET NOTES**

- A. METERS SHALL BE 100% COMPATIBLE WITH EXISTING CAMPUS-WIDE POWER MONITORING INFRASTRUCTURE.
1. PROVIDE NEW 1000A BREAKER IN EXISTING SWITCHGEAR FOR ATS-A.
2. PROVIDE NEW 1000A BREAKER IN EXIST. SWITCHGEAR FOR ATS-B.
3. CONNECT NEW ATS CONTROLS AND METER COMMUNICATION TO EXIST. PARALLELING SWITCHGEAR. MODIFY EXIST. ATS HMI AND CONTROLS.
4. PROVIDE TWO NEW 1000A BREAKERS IN EXISTING PARALLELING SWITCHGEAR FOR EMERGENCY FEED TO BOILER PLANT.
5. DESIGN INTENT IS TO ROUTE NEW CONDUITS ALONG EXISTING SUPPORT RACKS IN THE EXIST. PIPE TUNNEL AND ALONG NEW PIPE RACKS IN THE NEW TUNNEL.
6. PROVIDE PULLBOXES AS REQUIRED TO OFFSET CONDUIT UP AND OVER WALKWAY CLEARANCE AREA.
7. POWER CONDUIT RUN SHALL PENETRATE TUNNEL UNDER BOILER PLANT AND ROUTE UNDERGROUND TO BOILER PLANT SWITCHBOARD. PROVIDE POWER PULL BOX AT TUNNEL WALL.
8. (4) RUNS OF 3" C. EACH WITH 4-400KCMIL AND 4/0G.
9. PROVIDE NEARBY DISPLAYS OF: ONE-LINE, AS-LEFT BREAKER TRIP SETTINGS, AND KEY INTERLOCK SEQUENCE.
10. 150A FEEDER, 4#1/0, #6G IN 2".

**SHEET KEY NOTES**

1. PROVIDE NEW 1000A BREAKER IN EXISTING SWITCHGEAR FOR ATS-A.
2. PROVIDE NEW 1000A BREAKER IN EXIST. SWITCHGEAR FOR ATS-B.
3. CONNECT NEW ATS CONTROLS AND METER COMMUNICATION TO EXIST. PARALLELING SWITCHGEAR. MODIFY EXIST. ATS HMI AND CONTROLS.
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Order Plans

FINAL DESIGN  
APPROVED FOR CONSTRUCTION

<p>CONSULTANTS:</p>	<p>ENGINEER-OF-RECORD DARD J. PARLICK P.E. NO. 73817</p>	<p>ARCHITECT/ENGINEERS: <b>AKEA INC.</b> 3803 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 553-4437 CAD: FL #26693 AKEA Project No. 083-14</p>	<p>Drawing Title <b>ELECTRICAL RISER AND GROUNDING DIAGRAMS</b></p>	<p>Project Title <b>REPLACE BOILERS - FCA D. ENERGY AT THE MALCOM RANDALL VAMC</b></p>	<p>Project Number <b>573-14-600</b></p>
<p>Approved: Project Director</p>			<p>Location <b>GAINESVILLE, FLORIDA</b></p>		<p>Drawing Number <b>EP602</b></p>
<p>Revisions:</p>			<p>Date <b>MARCH 9, 2016</b></p>		<p>Checked <b>CFJ</b></p>
<p>Date</p>			<p>Drawn <b>KLL</b></p>		<p>114 OF 127</p>

Office of Construction and Facilities Management  
Department of Veterans Affairs