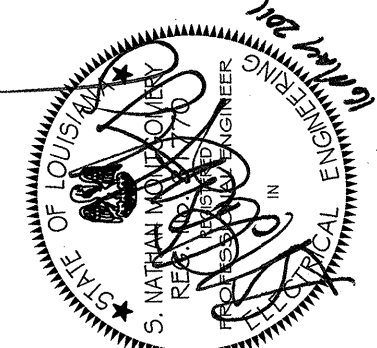


THE ABOVE DRAWINGS AND SPECIFICATIONS AND SEALS, GEORGA, THEREBY ARE THE PROPERTY OF THE ARCHITECT AND HIS PROPERTY AND SHALL REMAIN HIS PROPERTY AND SHALL BE KEPT IN HIS POSSESSION AND CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THIS PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF THESE RESTRICTIONS. ANY CHANGES OR REVISIONS TO THESE DRAWINGS OR SPECIFICATIONS SHALL BE MADE BY THE ARCHITECT AND SHALL BE INDICATED BY A REVISION TABLE. CONTRACTORS SHALL VERIFY, AND BE RESPONSIBLE FOR, ALL DIMENSIONS AND CONDITIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL AND SHALL BE PROCESSED WITH FABRICATION.

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 Date: 16 MAY 2011



ELECTRICAL DETAILS
 EDR No. 09023
 RWA No. 09024
 BGM
 drawn:
 checked: DAB
 approved: SNM
 sheet:

<p>ADHESIVE AIR TERMINAL DETAIL</p>	<p>GROUNDING ELECTRODE</p> <p>NOTE: REFER TO NEC 250-66</p>	<p>GROUND ROD/LOOP DETAIL</p>	<p>TYPICAL POINT SPACING DETAIL</p> <p>NOTE: WHERE THE METAL BODY IS LESS THAN 3/16 INCHES THICK, A CONTINUOUS GROUND CONDUCTOR (NOT SHOWN HERE) PROVIDING TWO PATHS TO GROUND SHALL BE REQUIRED TO BOND ALL AIR TERMINALS.</p>	<p>ADHESIVE AIR TERMINAL DETAIL</p> <p>31</p>	<p>FLAT SURFACE AIR TERMINAL DETAIL</p> <p>32</p>	<p>GROUNDING ELECTRODE</p> <p>33</p>	<p>GROUND ROD/LOOP DETAIL</p> <p>34</p>	<p>TYPICAL POINT SPACING DETAIL</p> <p>35</p>	<p>TYPICAL RIDGE MOUNT AIR TERMINAL</p> <p>36</p>	<p>GROUND ROD DETAIL</p> <p>37</p>	<p>GROUND WELL DETAIL</p> <p>38</p>	<p>39</p>
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GENERAL LIGHTNING PROTECTION INSTALLATION NOTES

1. ENTIRE INSTALLATION SHALL COMPLY WITH NFPA 780.
2. CONNECTIONS TO GROUND ROD SHALL BE MADE NOT LESS THAN 1'-0" BELOW GRADE.
3. AIR TERMINALS SHALL BE PLACED AT UNPROTECTED OUTSIDE CORNERS AND LOCATED WITHIN 2'-0" OF OUTSIDE EDGE.
4. MIDROOF AREAS SHALL BE PROVIDED WITH AIR TERMINALS AS REQUIRED TO INCLUDE THE ENTIRE ROOF AREA IN ACCORDANCE WITH NFPA 780.
5. GROUNDED METAL BODIES LOCATED ABOUT THE STRUCTURE SUCH AS SOIL PIPE VENTS, DOWNSPUTTERS, ETC., SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM AS REQUIRED BY NFPA 780.
6. BOND METALLIC PIPES INCLUDING WATER, FIRE, GAS, SMOKE, STORM, ETC., WHICH ENTER THE STRUCTURE WITHIN 12'-0" OF GRADE TO THE NEAREST DOWNLAD, GROUND ROD, OR GROUND LOOP.
7. REINFORCING STRUCTURAL FRAMING AND MISCELLANEOUS STEEL SHALL BE MADE ELECTRICALLY CONTINUOUS THROUGHOUT THE CONSTRUCTION BY WELDING, CUTTING, BOLTING, OR OTHER APPROVED METHODS.
8. TELEPHONE AND/OR ELECTRIC SERVICE ENTRANCE GROUNDS SHALL BE INTERCONNECTED TO ONE LIGHTNING PROTECTION GROUND OR WATER PIPE.
9. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT AND UNCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND WITH THE APPEARANCE OF THE BUILDING.
10. CONDUCTORS SHALL HAVE A MINIMUM RADIUS OF 90 DEGREES OR LESS THAN 90 DEGREES.
11. CONDUCTORS SHALL INTERCONNECT AIR TERMINALS AND FORM A TWO-WAY PATH FROM EACH AIR TERMINAL HORIZONTALLY OR DOWNWARD TO CONNECTIONS WITH GROUND TERMINALS.
12. LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED AT 3'-0" MAXIMUM INTERVALS.
13. CONDUCTORS AT JOINTS, IF USED, SHALL BE SET IN PLACE WITH AN APPLICATION OF A CONFORMABLE ADHESIVE COMPOUND BEFORE ROOF GRAVEL IS APPLIED.
14. COORDINATE LOCATION OF AIR TERMINAL, CONDUCTOR, AND GROUND RODS WITH ACTUAL JOBSITE CONDITIONS.
15. BASE COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM ROOF OR SIDING OR OTHER ALUMINUM SURFACES. LIKEWISE, ALUMINUM LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.
16. LIGHTNING ARRESTORS SHALL BE PROVIDED ON ELECTRIC AND TELEPHONE SERVICE ENTRANCES AND ON RADIO AND TELEVISION ANTENNA LEADS.
17. SEAL ENDS OF CONDUIT MOISTURE TIGHT WITH DUCT SEAL OR LEAD WEDGE.
18. THE LIGHTNING PROTECTION INSTALLATION SHALL CONFORM WITH LIGHTNING PROTECTION INSTITUTE STANDARD 780. THE INSTALLATION SHALL BE MADE BY OR UNDER THE SUPERVISION OF A ULT CERTIFIED MASTER INSTALLER.
19. THE INSTALLATION SHALL MEET THE REQUIREMENTS OF THE UNDERWRITERS LABORATORIES STANDARD 284 FOR MASTER LABELED LIGHTNING PROTECTION SYSTEMS.