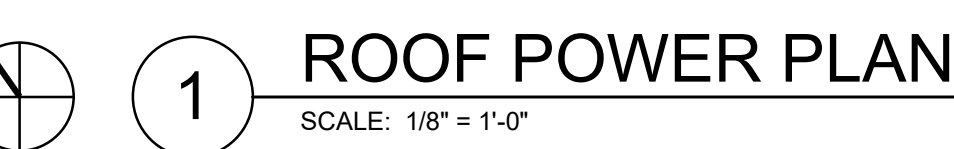


•	EXOTHERMIC WELD
⏏	3/4" X 10'-0" COPPER CLAD GROUND ROD
— —	MAIN CONDUCTOR COPPER CABLE, 19 STRANDS OF #17 AWG COPPER WIRE (#2 AWG)
-----	SECONDARY CONDUCTOR COPPER CABLE, 14 STRANDS OF #17 AWG COPPER WIRE (#6 AWG)
■	MECHANICAL LUG GROUND CONNECTION
⊙	BLUNT TIP AIR TERMINAL, MINIMUM 1/2" DIAMETER SOLID COPPER. SEE LIGHTING PROTECTION SYSTEM NOTE 4.
□	GROUND TEST WELL

1. INSTALL A LIGHTNING PROTECTION SYSTEM CONSISTING OF A COMPLETE SYSTEM OF AIR TERMINALS, CONDUCTORS, GROUND TERMINALS, INTERCONNECTING CONDUCTORS, AND OTHER CONNECTORS AND/OR FITTINGS REQUIRED FOR A COMPLETE SYSTEM.
2. THE NEW INSTALLATION SHALL FULLY COMPLY WITH THE NFPA 780, LIGHTNING PROTECTION SYSTEMS.
3. ORDINARY STRUCTURES NOT EXCEEDING 75 FEET IN HEIGHT SHALL BE PROTECTED WITH COPPER CLASS 1 MATERIALS.
4. AIR TERMINALS SHALL BE NOT LESS THAN 12" ABOVE THE OBJECT OR AREA TO BE PROTECTED. SHALL BE PLACED AT INTERVALS NOT TO EXCEED 50 FEET, AND SHALL BE PLACED AT OR WITHIN 2 FEET OF THE EDGE OR OUTSIDE CORNER OF THE FLAT OR GENTLY SLOPING ROOF.
5. ADDITIONAL AIR TERMINALS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 50 FEET ON FLAT OR GENTLY SLOPING ROOFS THAT EXCEED 50 FEET IN WIDTH OR LENGTH.
6. CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS AND FORM A TWO-WAYPATH FROM EACH TERMINAL TO CONNECTIONS WITH GROUND TERMINALS.
7. PROVIDE UL STANDARD 96A MASTER LABEL FOR THE LIGHTNING PROTECTION SYSTEM UPON COMPLETION OF INSTALLATION. PROVIDE AN ENGRAVED PLAQUE WITH THE MASTER LABEL INFORMATION. MOUNT PLAQUE IN HANGAR AT LOCATION INDICATED BY ENGINEER OR OWNER.
8. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED NO MORE THAN 3'-0" MAXIMUM SPACING.
9. CONNECTIONS TO THE GROUND ROD OR GROUND RING CONDUCTOR SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
10. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT AND INCONSPICUOUS MANNER SO THAT ALL COORDINEMENT WILL BLEND IN WITH THE APPEARANCE OF THE BUILDING.
11. CONNECT AND BOND SECONDARY CONDUCTOR CABLE TO ALL EQUIPMENT, VENTS, ROOF DRAINS, ROOF CAPS, HATCHES, ETC. AS INDICATED AND AS REQUIRED FOR A COMPLETE SYSTEM.
12. SUBMIT SHOP DRAWINGS FROM A CERTIFIED LPI MASTER INSTALLED/DESIGNER FOR REVIEW AND APPROVAL BY ENGINEER.



SCALE: 1/8"=1'-0

STATUS:65% PRELIMINARY DESIGN