

SYSTEM DESIGN:  
KEITH STERLING

L.P.I. MASTER  
INSTALLER: #1516

U.L. LISTED:  
MEMBER: #E205189

# WRIGHT STREET PARKING DECK

AUBURN, AL

## SYMBOL KEY

①	A37 ALUMINUM LIGHTNING CONDUCTOR (PRODUCT DATA)
Ⓐ	1/8" x 15" ALUMINUM AIR TERMINAL (DETAIL A)
Ⓑ	1/8" x 15" ALUMINUM AIR TERMINAL (DETAIL B)
PG	VC CONDUIT FROM GROUND TO ROOF (DETAILS P & G)
◆	OND TO METAL BODY (DETAIL BP)
	CONNECTION TO GROUND SYSTEM (DETAIL G)

## GENERAL NOTES

- ALL MATERIAL SHALL BE UNDERWRITER'S LABORATORY APPROVED. COMPLETE SYSTEM SHALL BEAR U.L. MASTER LABEL "C". EXPLOSIVES, FLAMMABLE LIQUIDS OR GASES, AND EXPLOSIVE INGREDIENTS CAN NOT BE CERTIFIED BY U.L.
- ALL MAIN CONDUCTOR SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSING, AND ALL BENDS SHALL HAVE AT LEAST AN 8" RADIUS AND SHALL NOT EXCEED 90 DEGREES.
- ALL CONDUCTOR SHALL BE SUPPORTED AT 3'-0" INTERVALS MAXIMUM.
- GROUND ELECTRODES SHALL BE INSTALLED AS SHOWN BUT IN NO INSTANCE SHALL THEY BE LESS THAN 1' BELOW FINISHED GRADE AND 2' FROM FOUNDATION WALL. DRIVEN RODS SHALL PENETRATE EARTH AT 10'-0" MINIMUM.
- METAL BODIES OF CONDUCTANCE SHALL BE BONDED WITH MAIN SIZED CONDUCTOR AS SHOWN AND AS REQUIRED BY U.L. STANDARDS. THESE BONDS INCLUDE BUT ARE NOT LIMITED TO EXHAUST FANS, VENTS, HANDRAILS, HVAC UNITS, SKYLIGHTS ETC. OR ANY LARGE BODY SUBJECT TO DIRECT STRIKE OR WHICH EXCEEDS THE HEIGHT OF ADJACENT AIR TERMINALS.
- METAL BODIES OF INDUCTANCE, LOCATED WITHIN 6'-0" OF MAIN CONDUCTOR SHALL BE BONDED TO MAIN CONDUCTOR AS REQUIRED BY U.L. STANDARDS. THESE OBJECTS INCLUDE BUT ARE NOT LIMITED TO FASCIA, FLASHING, METAL COUPLINGS, GRAVEL GUARDS, ROOF DRAINS, DOWNSPOUTS, C.R. OR METAL BODY AT OR BELOW MAIN ROOF LEVEL SUBJECT TO INDUCTANCE.
- UL96A - SECTION 7.5: "A COPPER LIGHTNING PROTECTION COMPONENT SHALL NOT BE INSTALLED DIRECTLY ON ALUMINUM SURFACES OR EXTERNAL GALVANIZED STEEL SURFACES."
- NFPA 780 - SECTION 4.2.3: "COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON OR IN CONTACT WITH ALUMINUM ROOFING, ALUMINUM SIDING, OR OTHER ALUMINUM SURFACES."
- SYSTEM SHALL BE INSTALLED AS SHOWN TO INSURE PROPER CODE COMPLIANCE AND SYSTEM CERTIFICATION. ANY MAJOR VARIANCE SHALL ENTAIL RE-SUBMITTAL AND NEW APPROVAL.

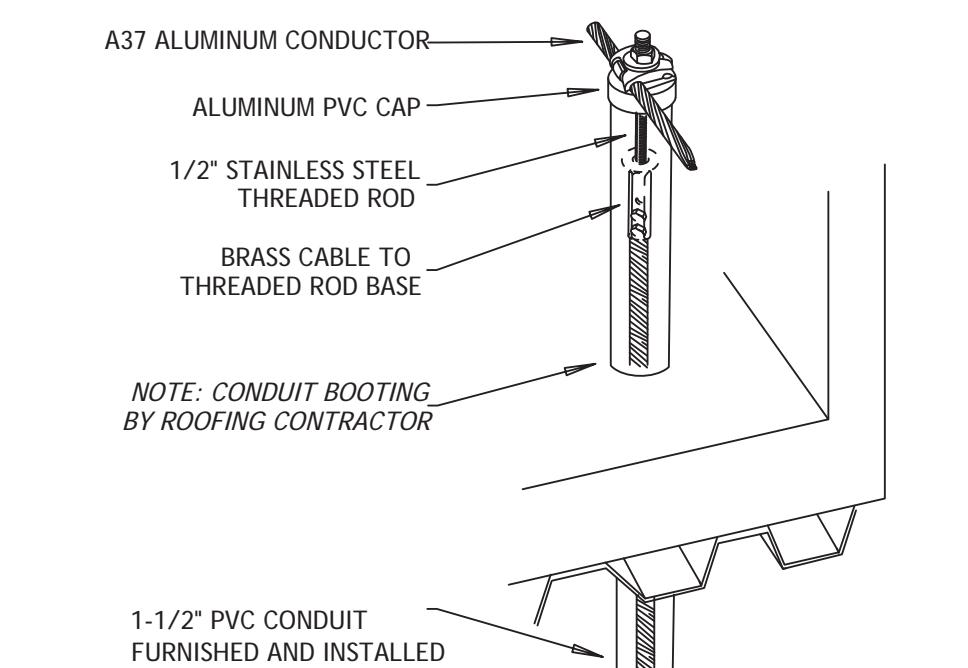
## LIGHTNING PROTECTION LAYOUT

SCALE 3/32" = 1'

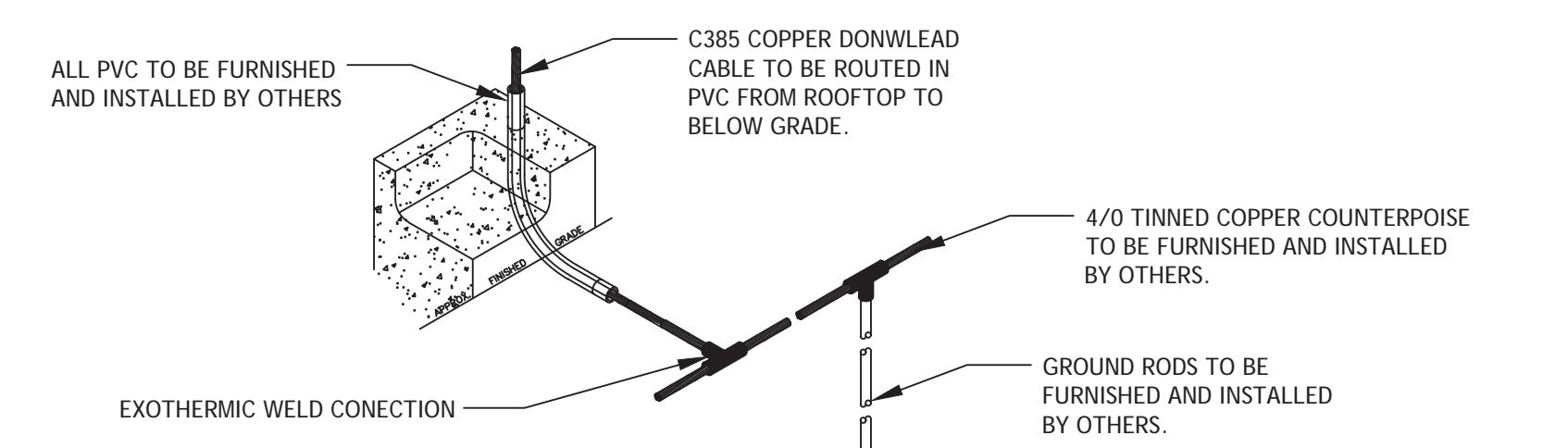
ALUMINUM AIR TERMINAL TO BE MOUNTED ON TOP OF LIGHT POLE. AIR TERMINAL MUST BE WITHIN 2'-0" OF ALL OUTSIDE CORNERS.



ALUMINUM AIR TERMINAL  
A37 ALUMINUM CONDUCTOR  
ALUMINUM ADHESIVE FASTENER W/ CHEMLINK ADHESIVE  
ALUMINUM HALF RIDGE BASE W/ CHEMLINK ADHESIVE



1-1/2" PVC CONDUIT FURNISHED AND INSTALLED BY OTHERS.



EXOTHERMIC WELD CONNECTION  
GROUND RODS TO BE FURNISHED AND INSTALLED BY OTHERS.

DETAIL A (TYPICAL)

NO SCALE

DETAIL B (TYPICAL)

NO SCALE

DETAIL P (TYPICAL)

NO SCALE

DETAIL G (TYPICAL)

NO SCALE