

SYSTEM DESIGN:
KEITH STERLING

L.P.I. MASTER
INSTALLER: #1516

U.L. LISTED:
MEMBER: #E205189

WRIGHT STREET PARKING DECK

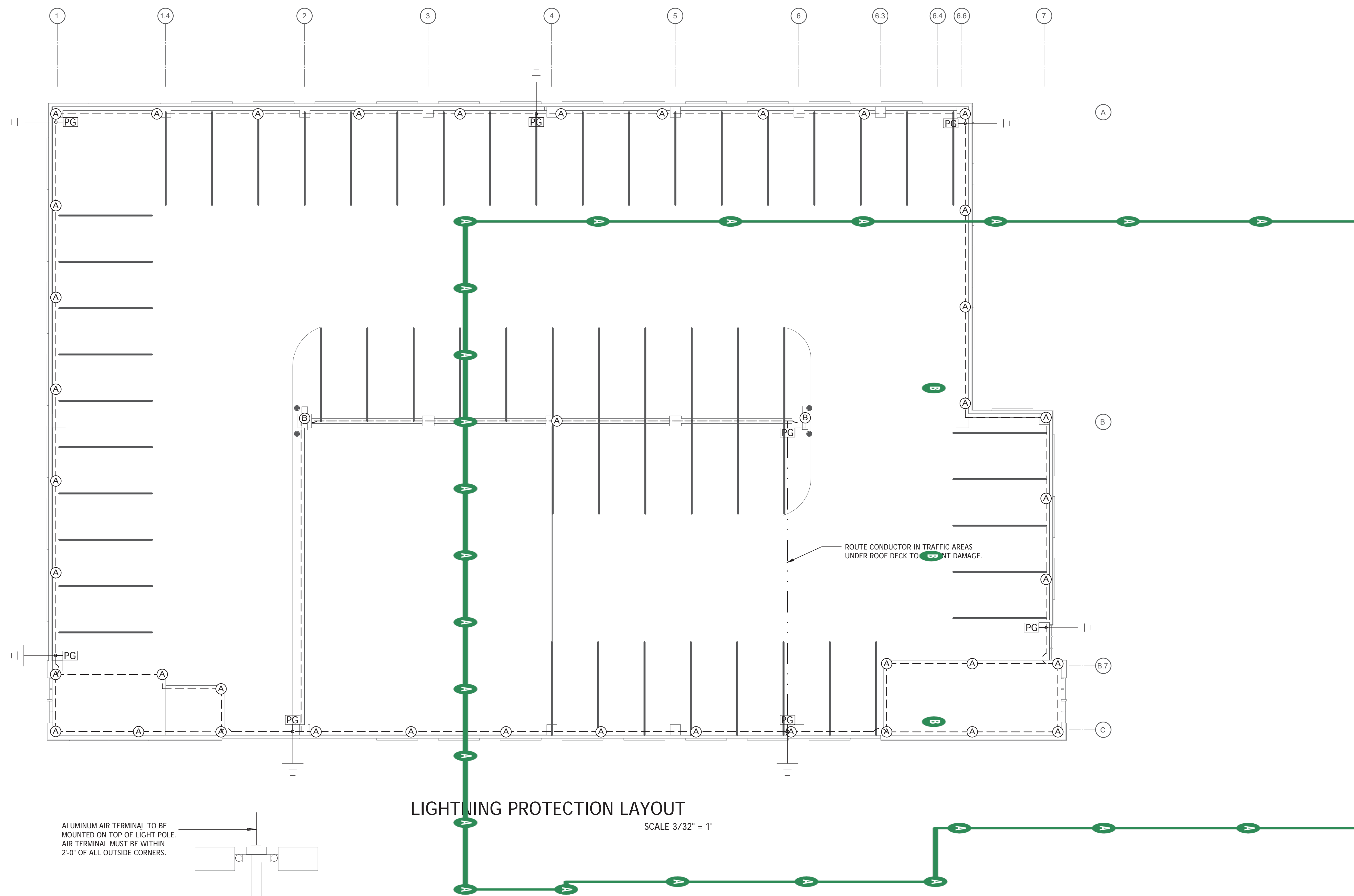
AUBURN, AL

SYMBOL KEY

	A37 ALUMINUM LIGHTNING CONDUCTOR (PRODUCT DATA)
	1/8" x 15" ALUMINUM AIR TERMINAL (DETAIL A)
	1/4" x 15" ALUMINUM AIR TERMINAL (DETAIL B)
	PVC CONDUIT FROM GROUND TO ROOF (DETAILS P & G)
	BOND TO METAL BODY (DETAIL BP)
	CONNECTION TO GROUND SYSTEM (DETAIL G)

GENERAL NOTES

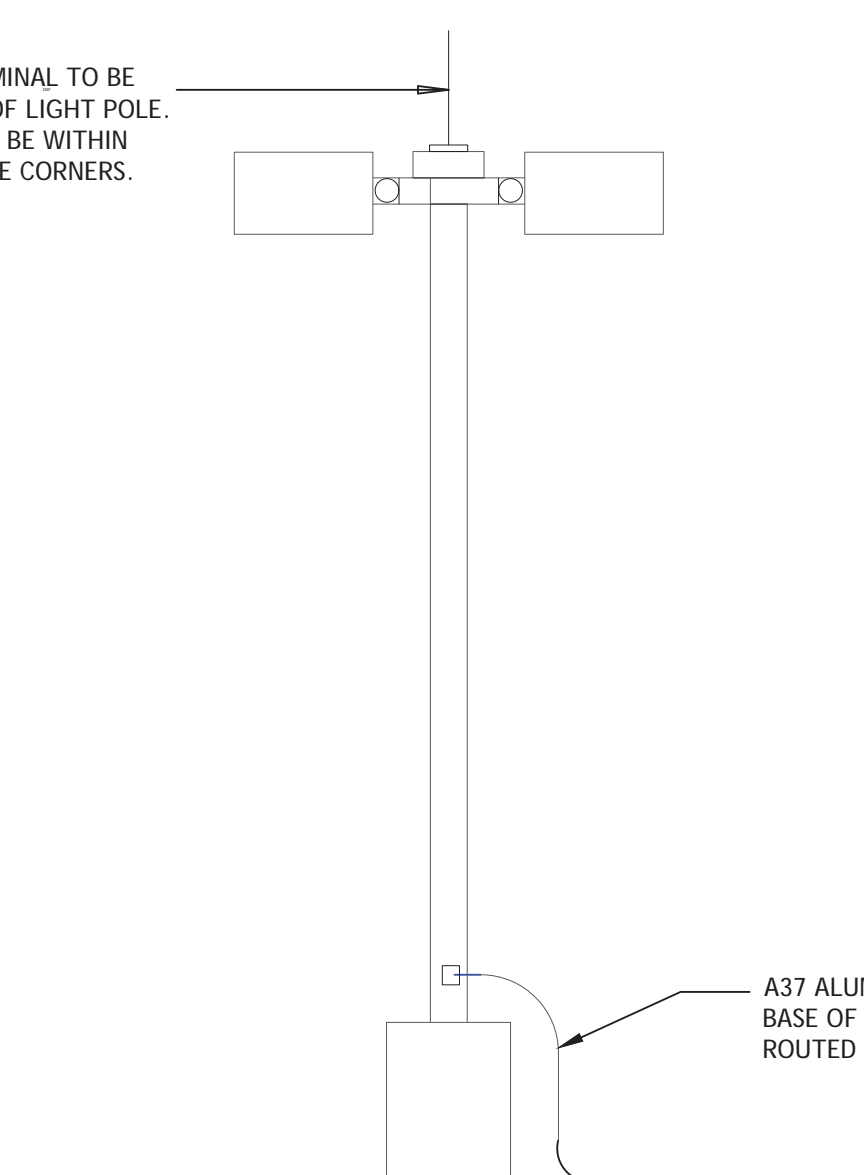
- ALL MATERIAL SHALL BE UNDERWRITER'S LABORATORY APPROVED. COMPLETE SYSTEM SHALL BEAR U.L. MASTER LABEL "C". EXPLOSIVES, FLAMMABLE LIQUIDS OR GASES, AND EXPLOSIVE INGREDIENTS CAN NOT BE CERTIFIED BY U.L.
- ALL MAIN CONDUCTOR SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSING, AND ALL BENDS SHALL HAVE AT 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, LADDERS, 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 FASCIAS, FLASHING, METAL COUPLINGS, GRAVEL GUARDS, ROOF DRAINS, DOWNSPOUTS ETC. OR AND 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.



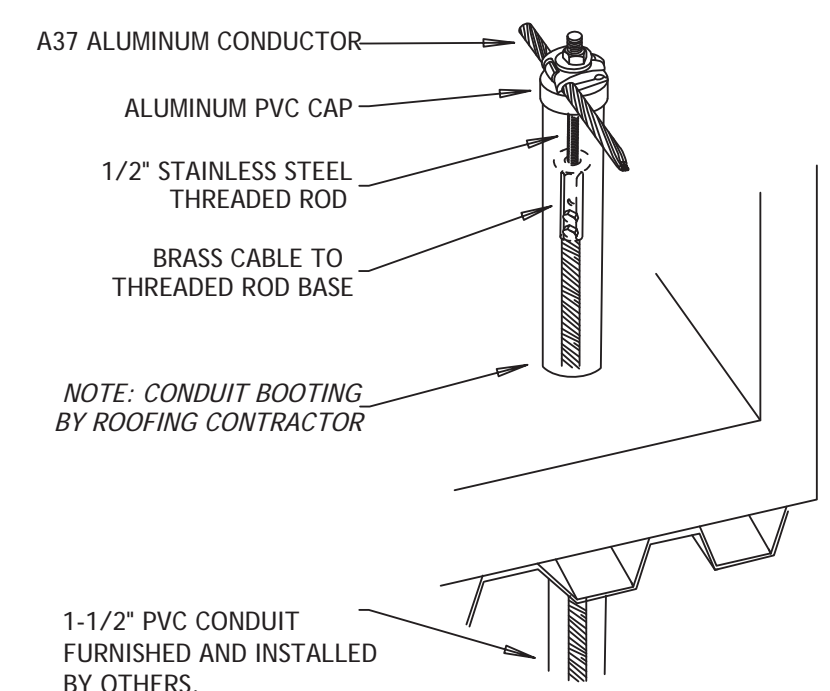
LIGHTNING PROTECTION LAYOUT

SCALE 3/32" = 1'

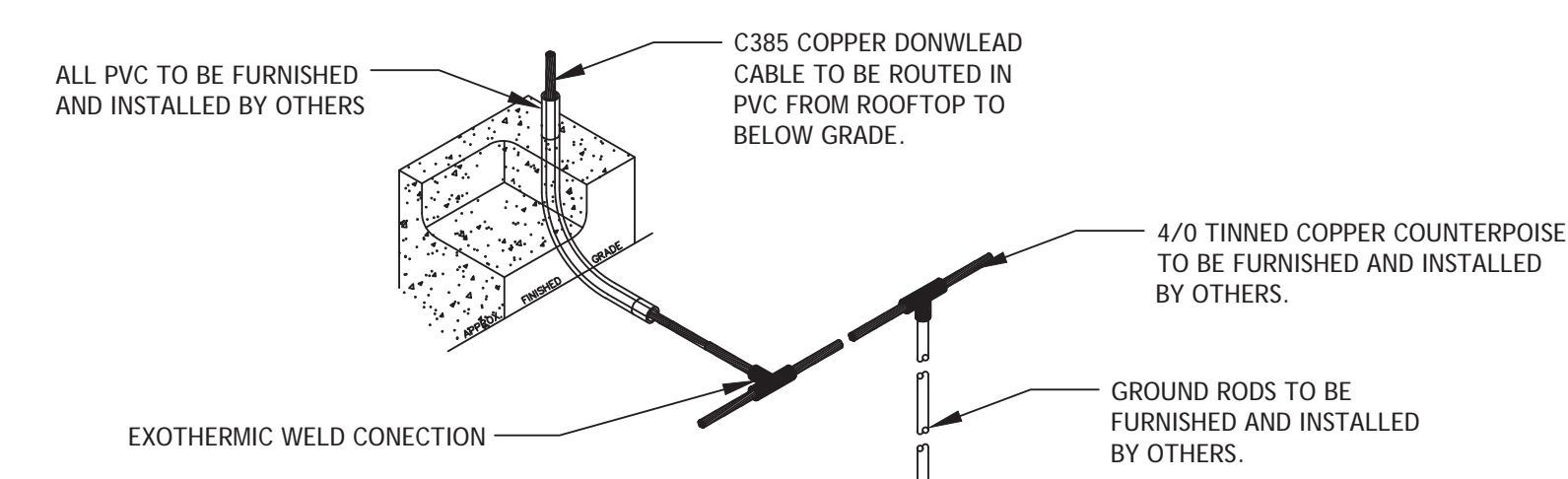
ALUMINUM AIR TERMINAL TO BE MOUNTED ON TOP OF LIGHT POLE. AIR TERMINAL MUST BE WITHIN 2'-0" OF ALL OUTSIDE CORNERS.



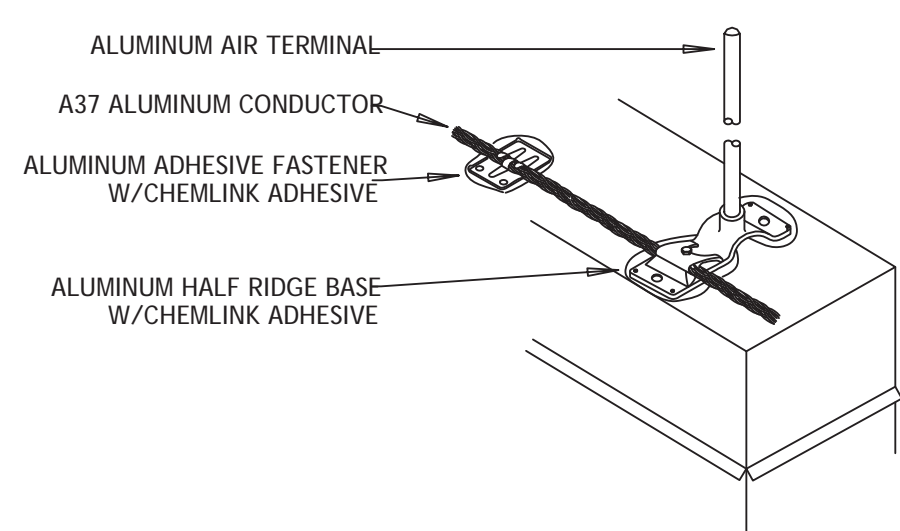
DETAIL B (TYPICAL)



DETAIL P (TYPICAL)



DETAIL G (TYPICAL)



DETAIL A (TYPICAL)