

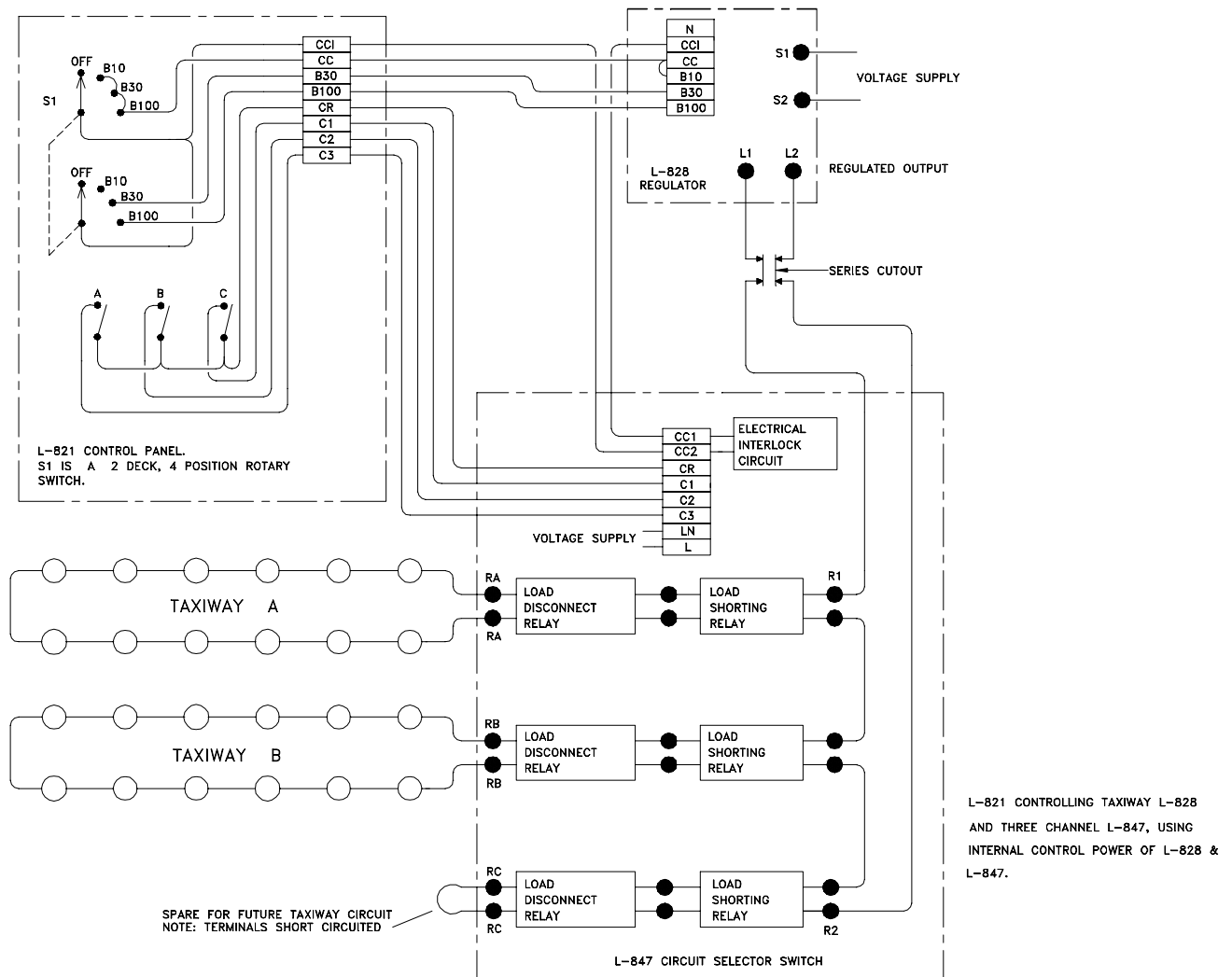
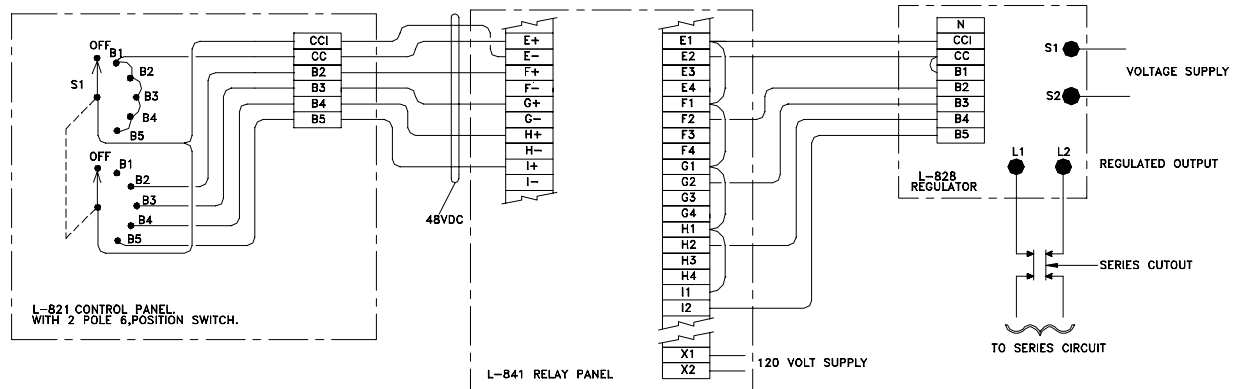
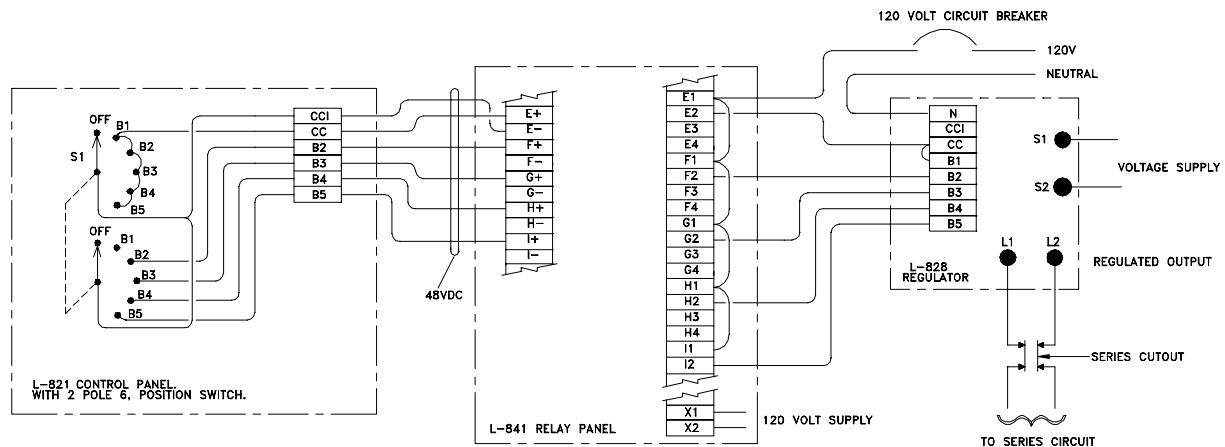


FIGURE 16. TYPICAL 120 VAC REMOTE CONTROL SYSTEM WITH L-847 CIRCUIT SELECTOR SWITCH

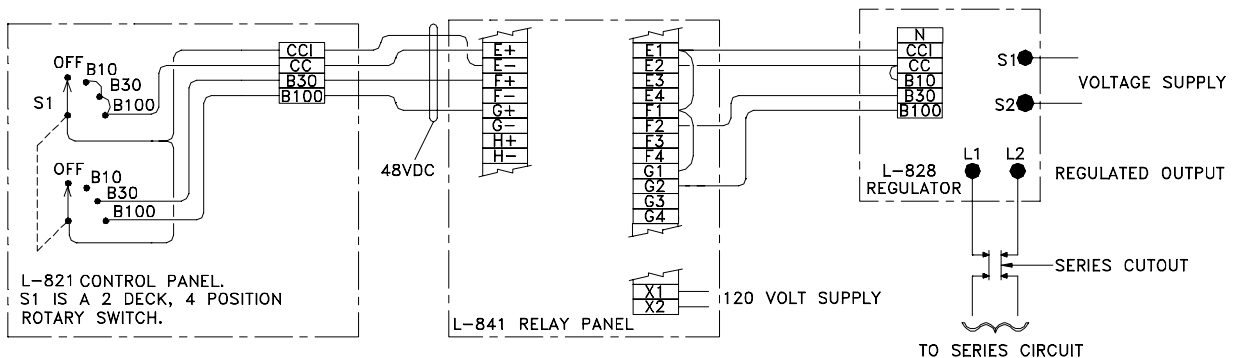


TAXIWAY REGULATOR CONTROL CONFIGURATION USING L-841, 48VDC, AND REGULATOR'S INTERNALLY-SUPPLIED CONTROL VOLTAGE.

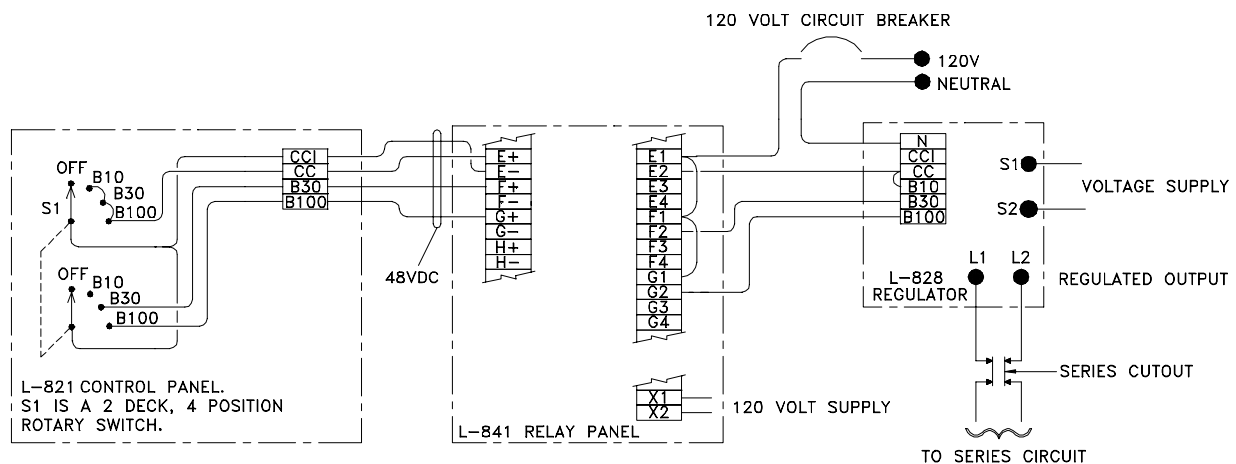


TAXIWAY REGULATOR CONTROL CONFIGURATION USING L-841, 48VDC, AND EXTERNALLY-SUPPLIED CONTROL VOLTAGE.

FIGURE 17. TYPICAL 48 VDC REMOTE CONTROL SYSTEM WITH 5-STEP REGULATOR AND L-841 RELAY PANEL



TAXIWAY REGULATOR CONTROL CONFIGURATION USING L-841, 48 VDC, AND REGULATOR'S INTERNALLY-SUPPLIED CONTROL POWER.



TAXIWAY REGULATOR CONTROL CONFIGURATION USING L-841, 48VDC, AND EXTERNALLY-SUPPLIED CONTROL POWER.

FIGURE 18. TYPICAL 48 VDC REMOTE CONTROL SYSTEM WITH 3-STEP REGULATOR AND L-841 RELAY PANEL

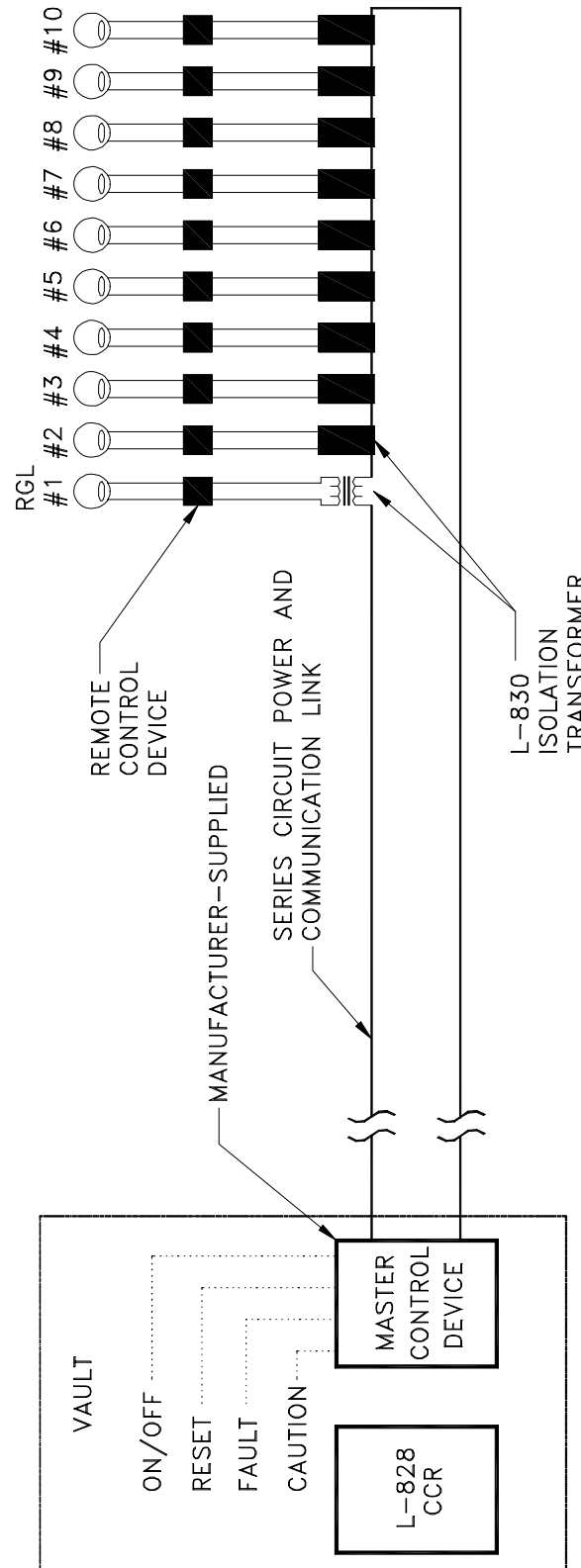


FIGURE 19. TYPICAL IN-PAVEMENT RGL EXTERNAL WIRING DIAGRAM – POWER LINE
CARRIER COMMUNICATION, ONE LIGHT PER REMOTE

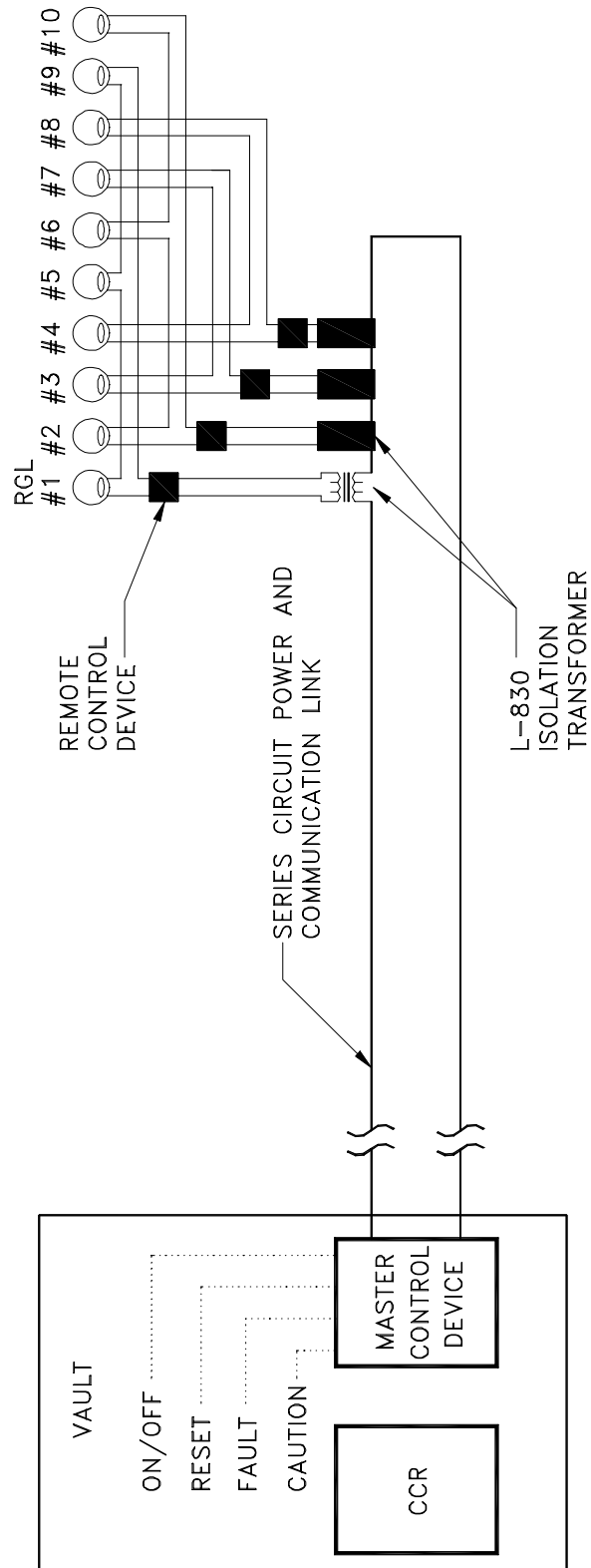


FIGURE 20. TYPICAL IN-PAVEMENT RGL EXTERNAL WIRING DIAGRAM – POWER LINE CARRIER COMMUNICATION, MULTIPLE LIGHTS PER REMOTE

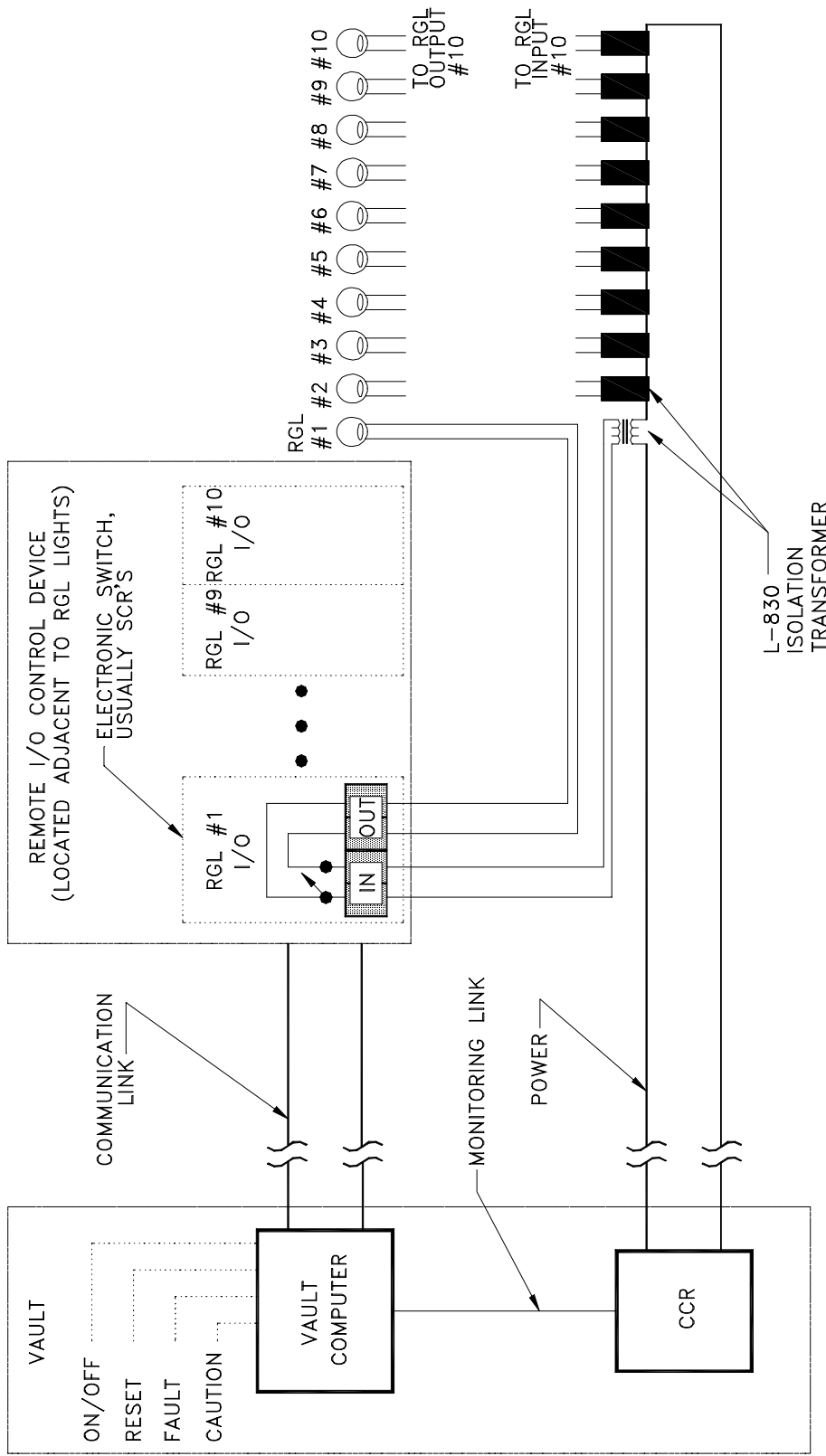


FIGURE 21. TYPICAL IN-PAVEMENT RGL EXTERNAL WIRING DIAGRAM – DEDICATED COMMUNICATION LINK

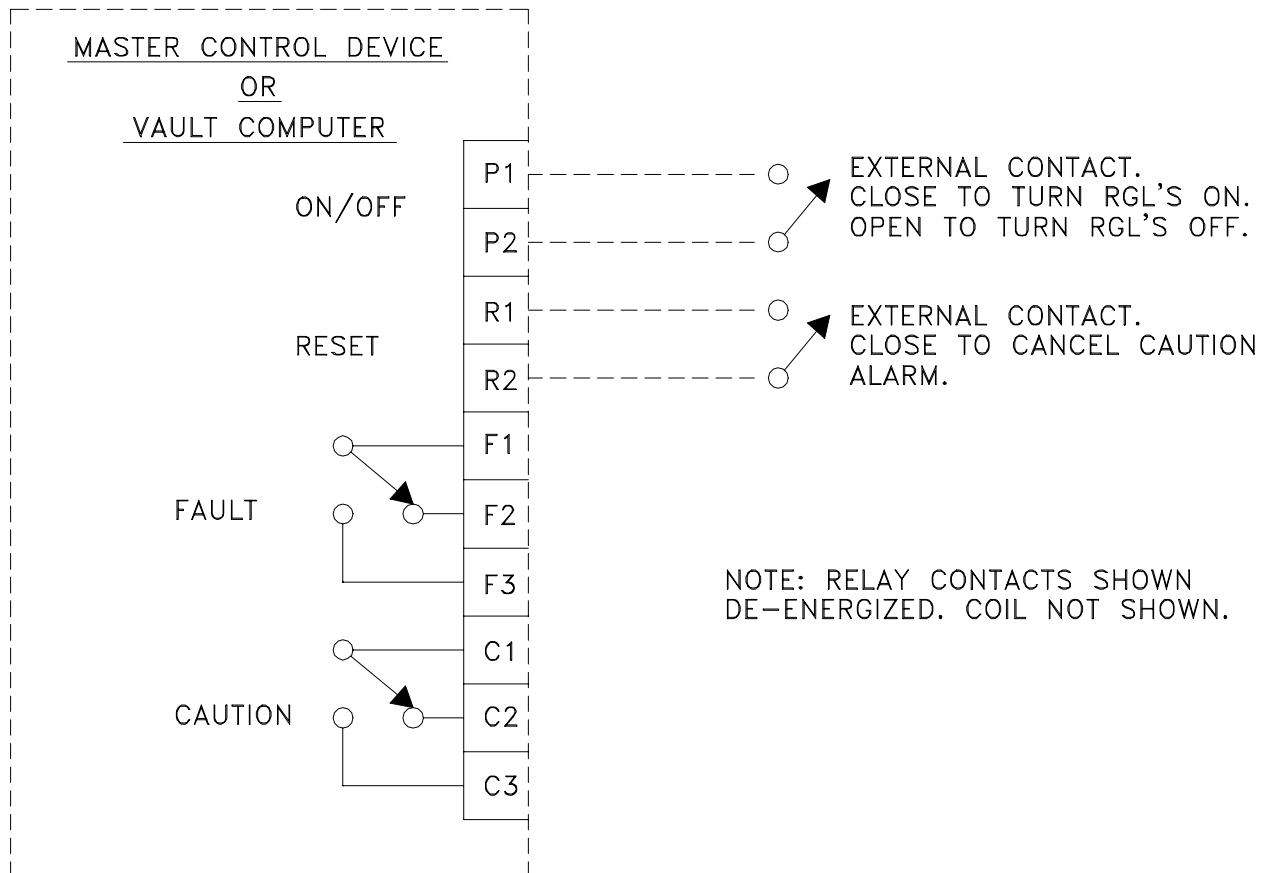
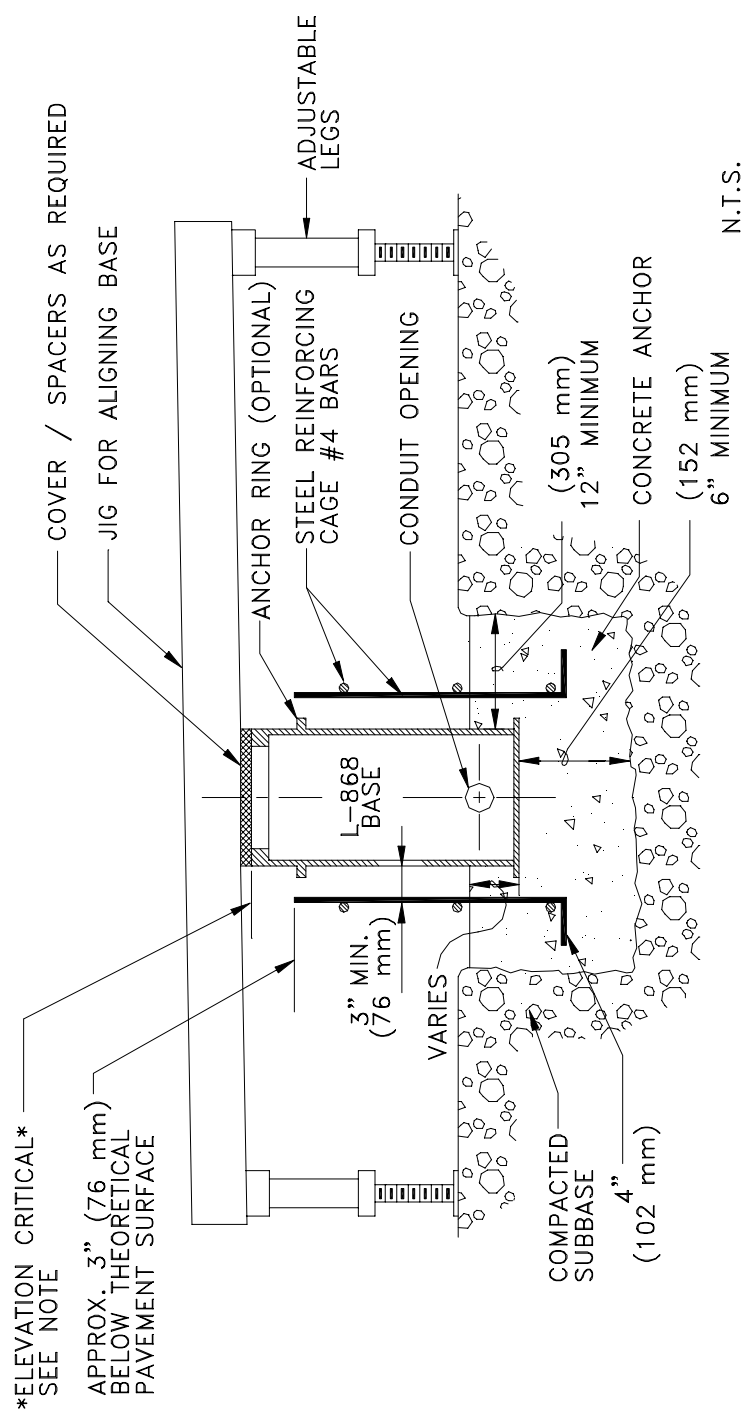


FIGURE 22. IN-PAVEMENT RGL ALARM SIGNAL CONNECTION



NOTE:

BASE MUST BE POSITIONED TO PERMIT PASSAGE OF PAVING MACHINE AND TO ACCOMMODATE FLANGE RING AND FIXTURE. IF THE BASE ELEVATION IS SET TOO HIGH IT WILL INTERFERE WITH PAVING OPERATIONS AND RESULT IN COSTLY CORRECTIVE ACTION. IF THE BASE IS SET TOO LOW, THICKER FLANGE RINGS OR SPACER RINGS CAN BE USED FOR CORRECTIONS. IN SETTING THE BASE ELEVATION, ALLOW FOR AT LEAST 1/2 INCH (13 mm) VARIATION IN THEORETICAL PAVEMENT SURFACE ELEVATION PLUS 1/4 INCH (6 mm) ADDITIONAL SAFETY MARGIN.

FIGURE 23. USE OF ALIGNMENT JIG, NO REFERENCE EDGE AVAILABLE, BASE AND CONDUIT SYSTEM

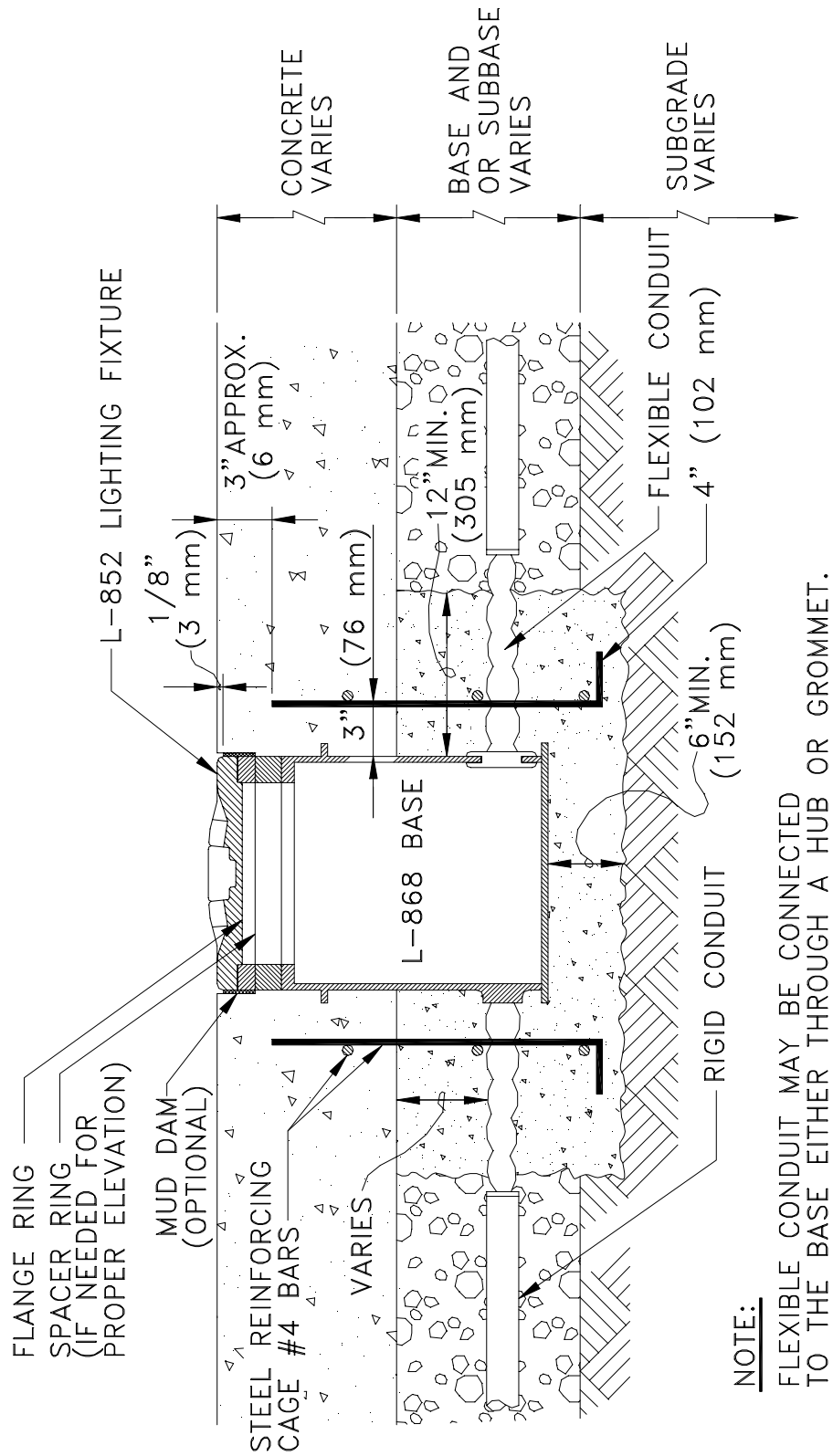
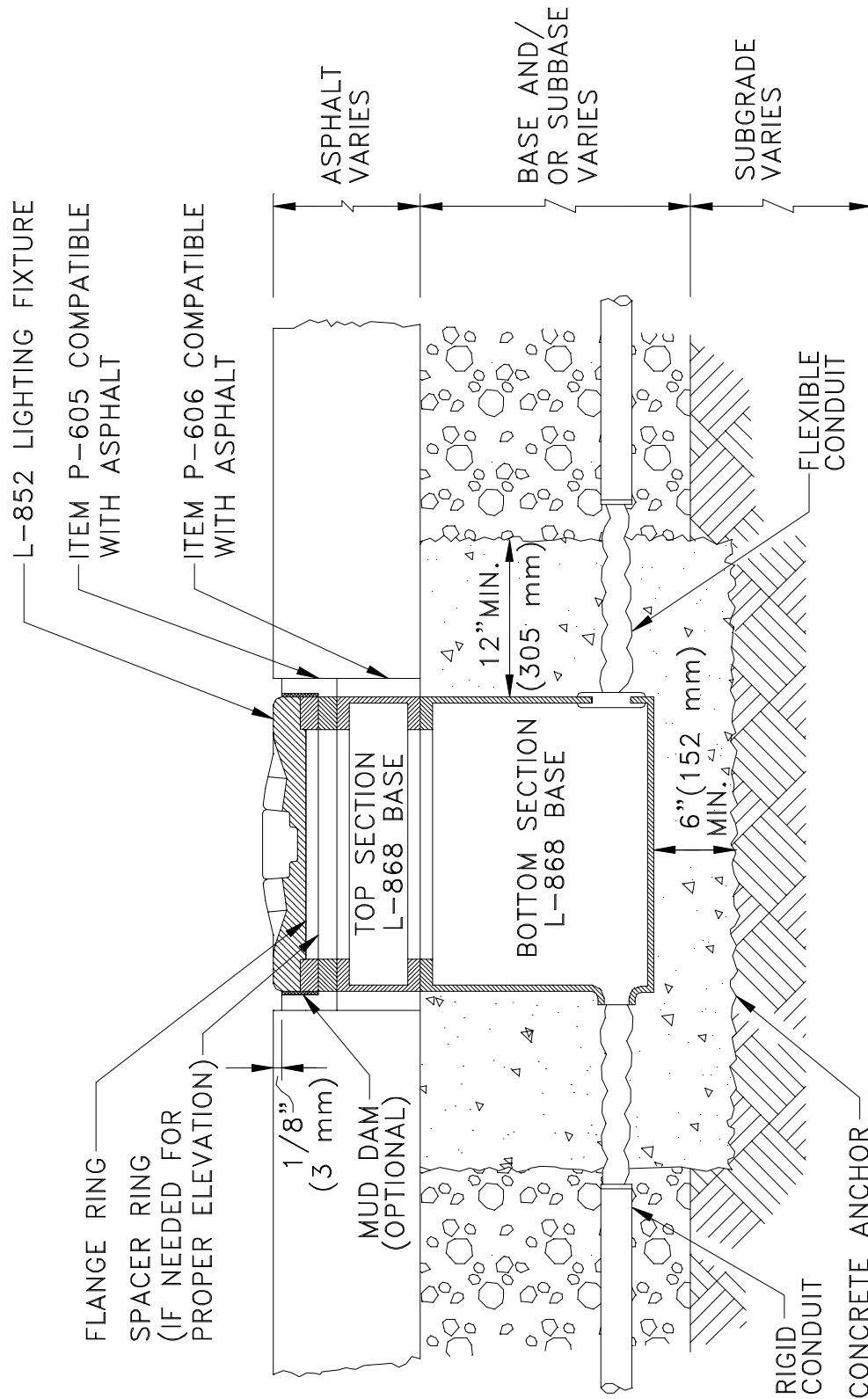
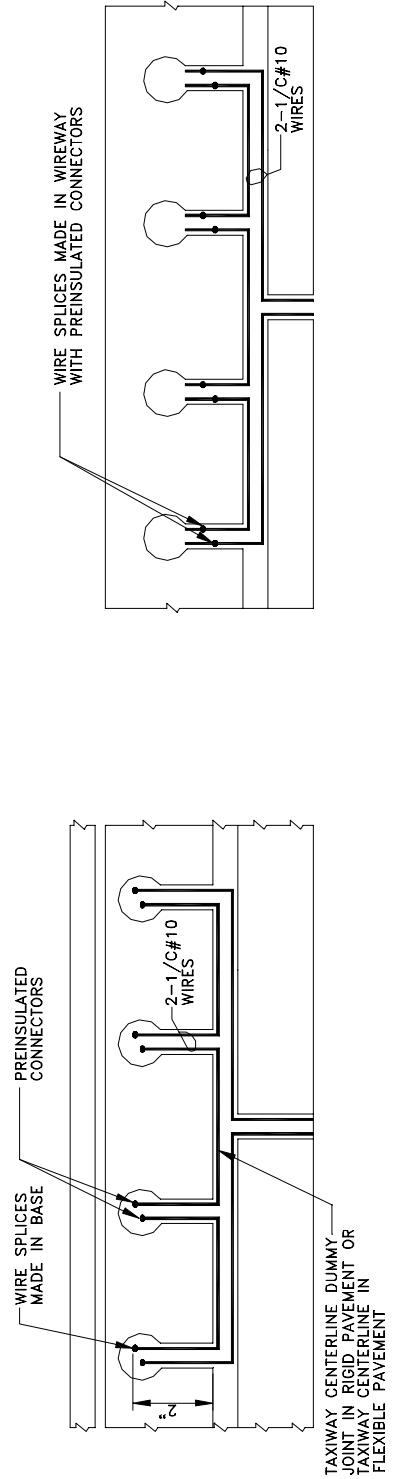
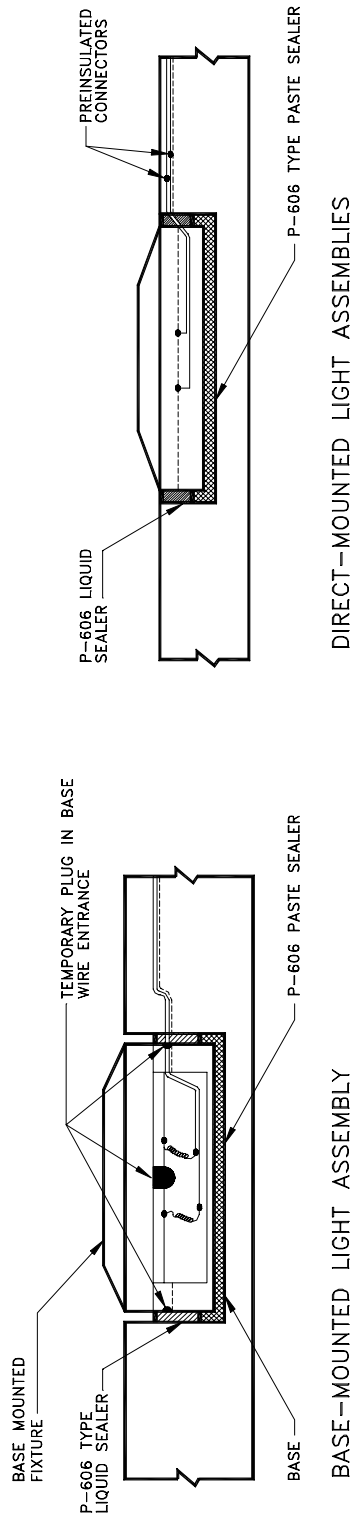


FIGURE 24. SECTION THROUGH BASE AND ANCHOR, BASE AND CONDUIT SYSTEM, RIGID PAVEMENT

**NOTE:**

FLEXIBLE CONDUIT MAY BE CONNECTED TO THE BASE EITHER THROUGH A HUB OR GROMMET.

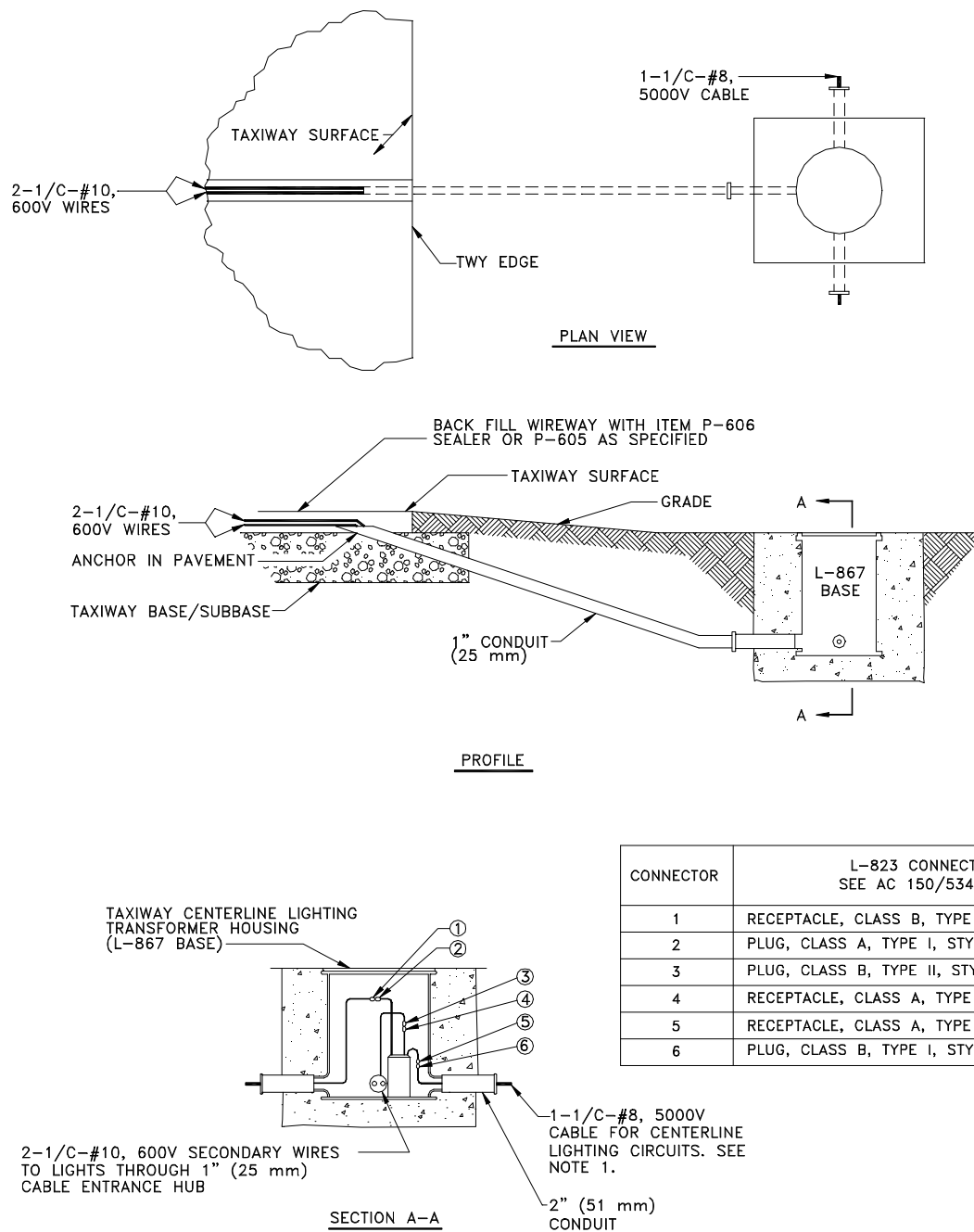
FIGURE 25. SECTION THROUGH BASE AND ANCHOR, BASE AND CONDUIT SYSTEM, FLEXIBLE PAVEMENT



WIRING DIAGRAM FOR DIRECT-MOUNTED LIGHT ASSEMBLIES

WIRING DIAGRAM FOR BASE-MOUNTED LIGHT ASSEMBLY

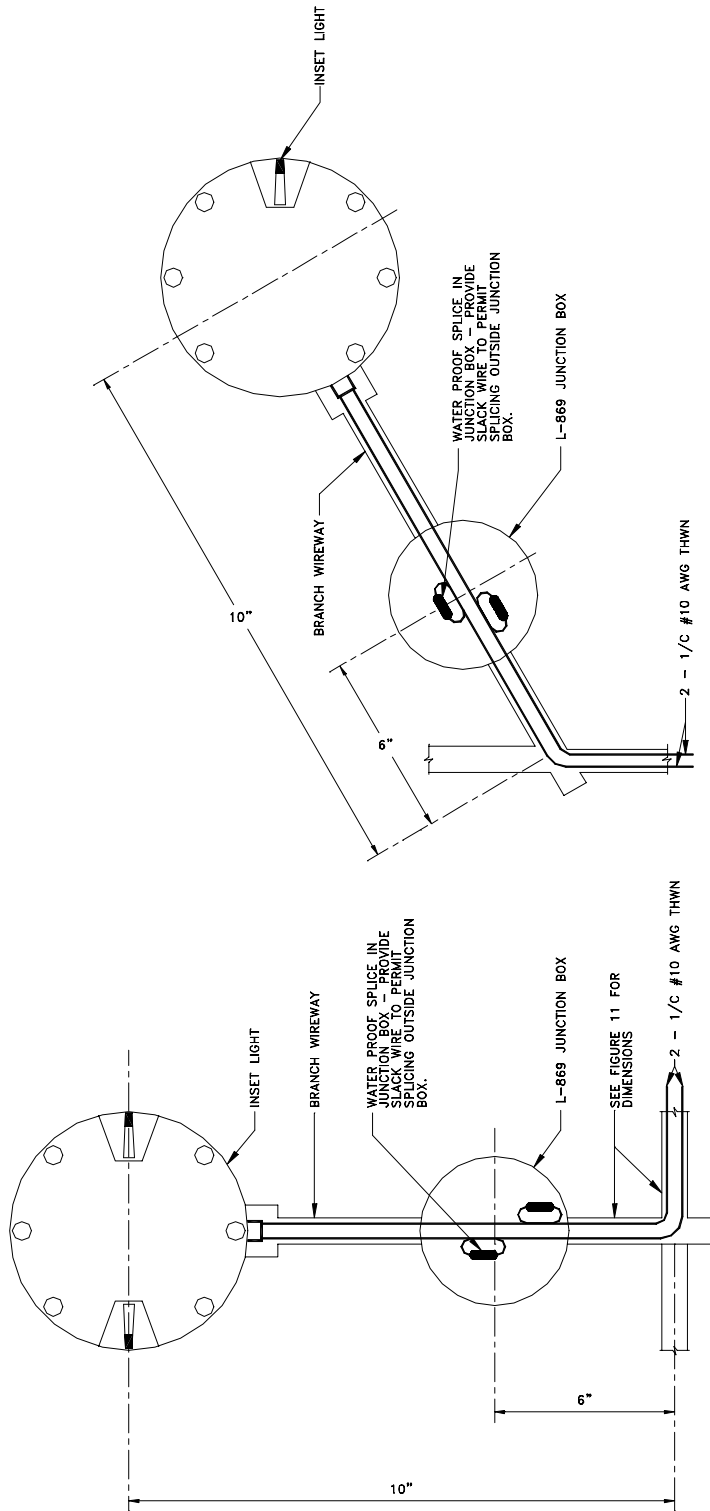
FIGURE 26. WIRING DETAILS FOR DIRECT- AND BASE-MOUNTED TAXIWAY CENTERLINE LIGHTS



NOTES:

1. THE PRIMARY CABLES ARE INSTALLED IN ACCORDANCE WITH ITEM L-108 OF AC 150/5370-10.
2. THE L-867 LIGHT BASE AND TRANSFORMER ARE INSTALLED IN ACCORDANCE WITH PARAGRAPH 10C.

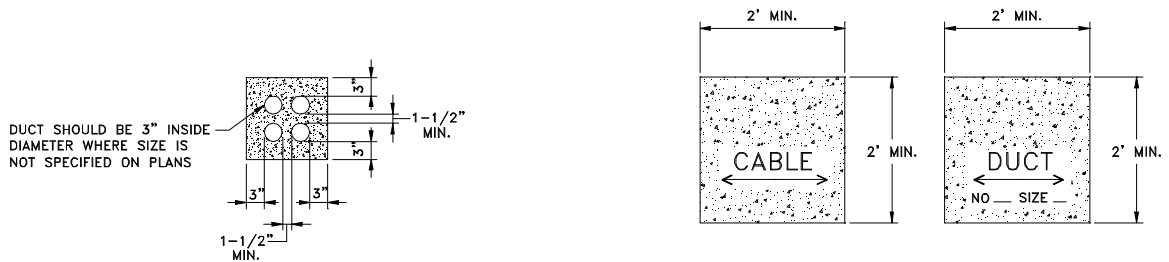
FIGURE 27. TYPICAL TRANSFORMER HOUSING AND CONDUIT INSTALLATION DETAILS FOR TAXIWAY CENTERLINE LIGHTS



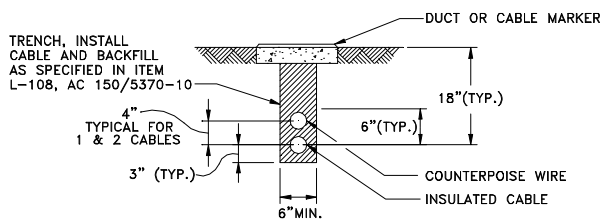
NOTES :

1. EITHER CONFIGURATION MAY BE USED, AS REQUIRED BY THE MANUFACTURER.
2. PROVIDE METAL TO METAL CONTACT BETWEEN THE TOP COVER AND THE BASE OF THE JUNCTION BOX.
3. FILL JUNCTION BOX WITH A COMMERCIAL NON-SETTING MATERIAL. THIS MATERIAL IS USED TO PREVENT WATER FROM COLLECTING IN THE JUNCTION BOX.
4. PROVIDE A SUITABLE GASKET AND GROMMETS TO CONTAIN NON-SETTING MATERIAL IN JUNCTION BOX.
5. INSTALL THE JUNCTION BOX LEVEL WITH THE SURROUNDING PAVEMENT.

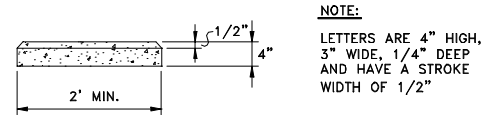
FIGURE 28. JUNCTION BOX FOR INSET FIXTURE INSTALLATIONS



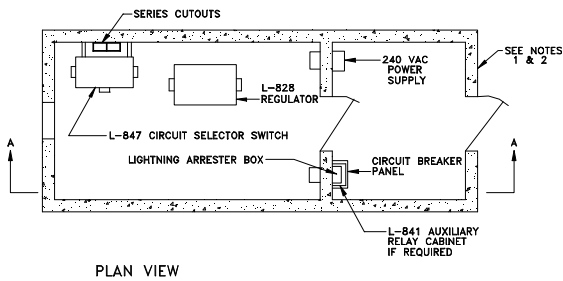
(A) TYPICAL 4-WAY DUCT DETAIL



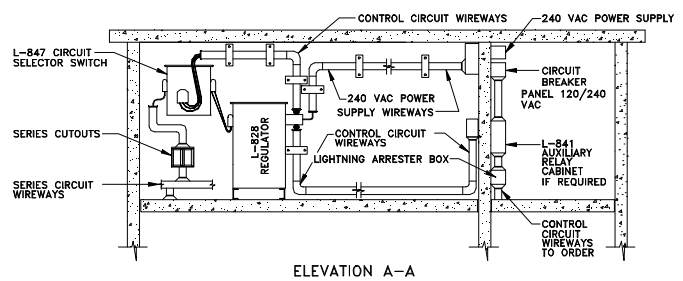
(B) TYPICAL TRENCH DETAIL AND WIRE PLACEMENT



(C) TYPICAL CABLE AND DUCT MARKER DETAIL



PLAN VIEW



ELEVATION A-A

(D) TYPICAL VAULT LAYOUT FOR TAXIWAY LIGHTING EQUIPMENT

NOTES:

1. VAULT CONSTRUCTION AND EQUIPMENT INSTALLATION ARE IN ACCORDANCE WITH THE NATIONAL CODE, LOCAL CODES, ITEM L-109 OF AC 150/5370-10.
2. AN ADEQUATE NUMBER OF LIGHTING FIXTURES AND ELECTRICAL OUTLETS SHOULD BE PROVIDED IN THE VAULT.
3. THE UNDERGROUND ELECTRICAL DUCTS AND DUCT MARKERS ARE SPECIFIED IN PLANS. THE INSTALLATION OF DUCTS AND MARKERS ARE IN ACCORDANCE WITH ITEM L-110 OF FAA AC 150/5370-10.
4. THE METRIC EQUIVALENT (IN mm) MAY BE FOUND BY MULTIPLYING INCHES BY 25.4.

FIGURE 29. TYPICAL VAULT, FIXTURE DUCT, TRENCHING, AND DUCT AND CABLE MARKING DETAILS

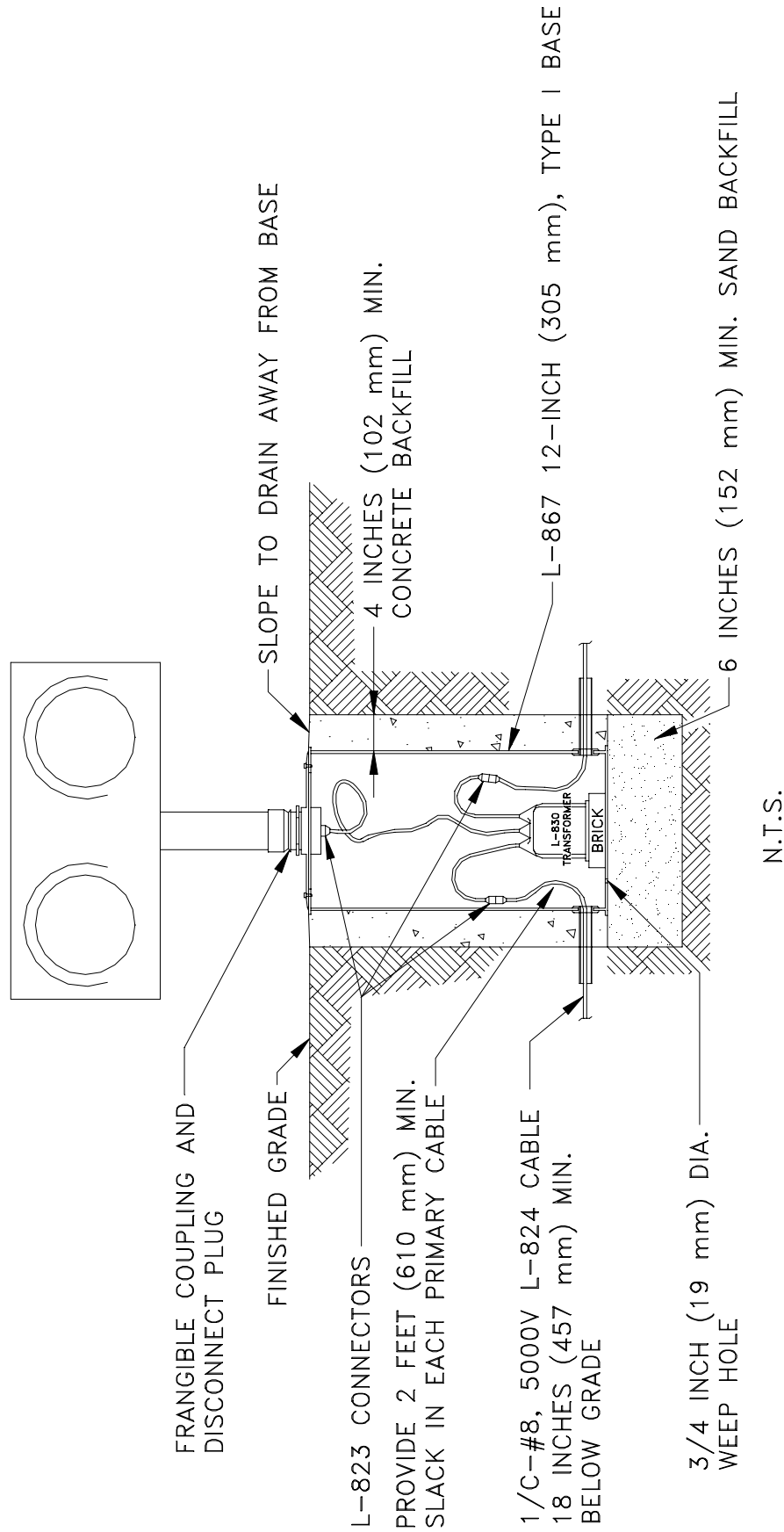


FIGURE 30. TYPICAL ELEVATED RGL INSTALLATION DETAILS