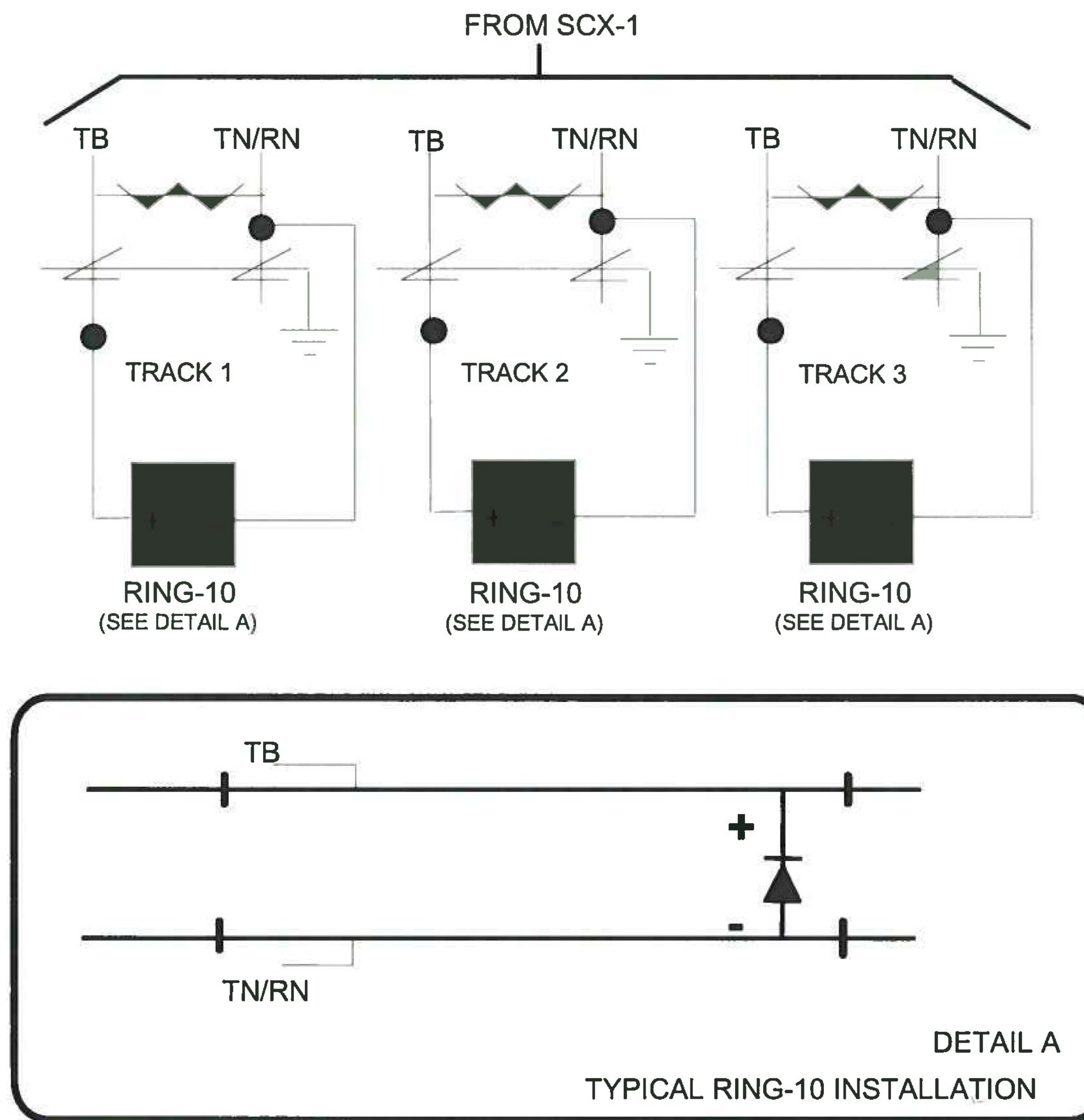




RING-10

To rectify the AC power, a RING-10 network is placed across the rails at the opposite end of each track circuit. This network has 10 diodes in a series loop or ring, hence the name RING-10. Leads are connected from each end of one diode in the series loop. The remaining nine diodes provide surge protection.



SCX061

Figure 1-2, Typical RING-10 Installation

Vermont Agency of Transportation Lyndon STPG SGNL(48) Project	
<input type="checkbox"/>	Approved Fabrication/Installation may be undertaken
<input checked="" type="checkbox"/>	Approved as Corrected 1 Approval provided comments are incorporated
<input type="checkbox"/>	Correct, Revise and Resubmit Fabrication/Installation MAY NOT be undertaken
<input type="checkbox"/>	No Action Taken
Review / approval does not relieve the contractor from complying with all the requirements of the contract	

1 - Track Rectifier shall conform to Special Provision, Section 63 ACTIVE WARNING SYSTEM MATERIALS (b) Type "C" AC-DC Track Circuit Control (see attached pages 36 and 37). The AC generators, track drivers and termination shunt rectifiers shall be system engineered by one manufacturer.