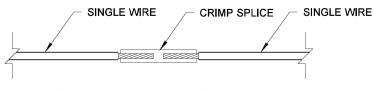
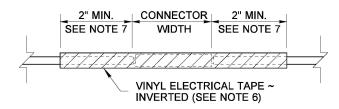


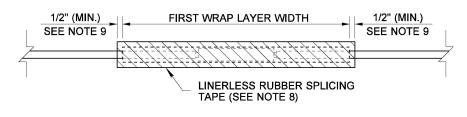
ALUMINUM WIRE INLINE (BUTT) SPLICE DETAIL



DETAIL A - CRIMP CONNECTION (STEP 1)



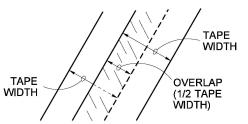
DETAIL B - FIRST WRAP LAYER (STEP 2)



DETAIL C - SECOND WRAP LAYER (STEP 3)

NOTES

- in junction boxes. This method shall not be used for any tap splices, but may be used for inline splicing of aerial aluminum wire.
- 2. Aluminum wire shall only be spliced to aluminum wire. Aluminum wire shall not be spliced to copper wire.
- 3. Each splice shall consist of the following:
- Section 9-29.12(1)).
- b. A layer of electrical tape wrap.
- c. A layer of rubber insulating tape wrap.
- 4. Exposed conductors and mechanical connector shall be liberally coated with anti-oxidant compound before installing the crimp connection.
- 5. Heat shrink tubing shall extend no less than one inch beyond the second wrap layer onto the original wire insulation for each wire in the splice.
- 6. Electrical tape used in splicing applications shall be 3/4-inch wide, be UL listed under UL 510, and be CSA Certified under C22.2 No. 197 (3M Scotch Super 33+ Tape or equivalent).
- and extend no less than two inches onto the original wire insulation for each wire in the splice.
- Type III, or Type V (3M 130C Tape or equivalent).
- 9. Rubber splicing tape shall extend approximately 1/2-inch beyond the vinyl electrical tape.



TAPE OVERLAP DIAGRAM

EACH SPIRAL LAYER SHALL HAVE AN OVERLAP OF 1/2 OF THE TAPE WIDTH AS SHOWN

1. This method of splicing is for aluminum wire inline (butt) splices located

a. A crimp (permanent / irreversible) splice (See Standard Specification

d. Heat shrink tubing (See Standard Specification Section 9-29.12(3)A).

7. Vinyl electrical tape shall be installed inverted (adhesive side facing out)

8. Linerless rubber splicing tape shall be certified to ASTM D4388 Type II,

