BUS BARS

VERIFICATION

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1. SCOPE

1.1 This section provides a list of verification items for the sections in the 8 series covering bus bars. The paragraphs and/or figure number covering the requirement is shown following the item listed.

2. BENDING, CUTTING, DRILLING, SUPPORTING, ERECTING AND CONNECTING 8B

2.01 Aluminum and aluminum alloy parts used with aluminum bus bars in battery rooms. 7.2, 9.23

2.02 6' maximum spacing between bus bar supports. 7.5

2.03 Bus bar supports near right angle bends. 7.7

2.04 Minimum clearances to bus bars. 8.11

2.05 Maximum and minimum bus bars overlap. 8.31

2.06 Alternate bars placed in line. 8.33

2.07 "T" connections not made at splices. 8.34

2.08 Aluminum bars not connected to lead battery posts. 9.11

2.09 Aluminum bars not connected to heat producing devices. 9.11

2.10 Thru bolts used with bolted aluminum bus bar joints. 9.11

2.11 Copper bus bars joined with bolts in battery rooms. 9.23, 9.423

2.12 Aluminum clamps and parts used with aluminum bus bars in battery rooms. 9.23, 9.423

2.13 Bus bar clamp bolts tight. 9.45

2.14 Palnuts installed on each bus bar clamp bolt. 9.47

2.15 Bolted bus bar joints tight. 9.52

2.16 Copper bus bars joined with copper-plated bolting material. 10.1

2.17 Aluminum bus bars joined with zinc or cadmium plated bolting material. 10.1

2.18 When joining combinations of aluminum and copper bus bars, all bolting material for a joint shall be the same but may be either copper or zinc finished. 10.1

2.19 At reinforced copper bus bars in battery rooms studs and alloy caps shall be used. 10.2

3. TAPING AND CLEANING 8C

3.01 Tape applied half-lapped. 3.11

3.02 Tape at terminals and lugs extended on to the wire. 3.12

3.03 Tape to within 1/2" of panels. 3.13

3.04 Ground bar taped where close to untaped live studs, etc., that require maintenance. 3.211, 3.212

3.05 Taping performed in accordance with Table "A". 3.32

3.06 At least one layer of friction tape applied to bars of 150 volts or less. 3.33

3.07 Tape covered with shellac. 3.36, 3.45, 3.52

3.08 Two layers of tape applied to bars over 150 volts. 3.43

3.09 Varnished cambric tape applied to exposed power service bars. 3.52

3.10 Bus bars clean. 4.1

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Reason for Reissue:
To bring paragraph numbers into agreement with revised sections of the 8 series.

Replaces Section 8V dated 8-4-55.

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