CIRCUIT SPLICES SERIES (5KV)

OVERLAP APPLIES TO EACH END OF SPLICE

THOMAS & BETTS #20-8 CONNECTOR, SOLDERED OR APPROVED EQUAL
(USE APPROVED CRIMPING TOOL).

#8 AWG, SOLID COPPER, 5000 VOLT STREET LIGHTING CABLE.

3M/SCOTCH BRAND #23 RUBBER TAPE, OR APPROVED EQUAL,
TO OVERLAP MIN. 1" & FILL DIAMETER.

3M/SCOTCH BRAND #33 VINYL TAPE, OR APPROVED EQUAL,
TO OVERLAP 1" (MIN. 3 WRAPS)

3M/SCOTCH BRAND SCOTCHKOTE SEALANT OVERALL, OR APPROVED EQUAL

120/240V CIRCUIT SPLICES

*SEE DIMENSION, LEFT

#8 AWG WIRE (TYP.)

3M/SCOTCH BRAND #23 RUBBER, OR APPROVED EQUAL

3M/SCOTCH BRAND #33 VINYL (MIN. 3 WRAPS), OR
APPROVED EQUAL

3M/SCOTCH BRAND SCOTCHKOTE SEALANT, OR
APPROVED EQUAL

THOMAS & BETTS 600V C-TAP, SERIES 547XX. USE
APPROVED T&B TOOL, PER MANUFACTURER, OR APPROVED EQUAL

GENERAL NOTES

1. ALL PHASE CONDUCTORS SHALL BE STRANDED COPPER, THWN, IDENTIFIED BY A CONTINUOUS, DISTINCT, COLOR-CODED INSULATION.

2. CIRCUIT PAIRS FOR 240 VAC CONDUCTORS SHALL BE OF TWO DISTINCT COLORS, CONTINUOUSLY TRACEABLE FROM LUMINARIA TO CIRCUIT BREAKER.

3. WITH THE EXCEPTION OF THE FIRST, 2" DIAMETER CONDUIT FROM THE SERVICE CABINET TO THE FIRST ADJACENT PULLBOX, NO CONDUCTOR INSULATION COLOR SHALL BE DUPLICATED IN ANY CONDUIT RUN. WIRES OF DIFFERENT AWG SIZES MAY REPEAT COLORS IN THE SAME CONDUIT Run.

4. CIRCUIT GROUNDS SHALL BE #8 AWG BARE, SOLID COPPER, SPLICED USING THOMAS & BETTS ‘C-TAP’S AS SHOWN, OR APPROVED EQUAL, ABOVE. GROUND CONDUCTORS TO LUMINARIES MAY BE REDUCED AS PER SPECIFICATION ON STD 205. BELOW. SPLICES SHALL BE SOLDERED AND TAPED PER VOLTAGE REQUIREMENTS.

5. GRAY (277V), WHITE, OR WHITE WITH COLOR-STRIPPED INSULATION SHALL BE USED ONLY FOR THE NEUTRAL, OR GROUNDED—CONDUCTOR.

3 LAYERS OF 3M ELECTRICAL TAPE NO. 23
OVER 3 LAYERS OF 3M TAPE NO. 33 OR
EQUAL (TYPICAL). RUBBER BOOT NOT
ACCEPTABLE. COAT WITH SCOTCHKOTE
SEALANT, OR APPROVED EQUAL.

FUSE HOLDER IN PULLBOX TRON
#HEX—AA OR APPROVED EQUAL.

TYPICAL FUSE HOLDER

*LUMINARE & LOAD—SIDE OF FUSE HOLDER COPPER CONDUCTOR SIZING

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<th>STANDARD</th>
<th>LOAD SIDE</th>
<th>PHASE CONDUCTOR</th>
<th>GROUND CONDUCTOR</th>
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* NOTE

TERMINATE GROUND CONDUCTOR IN FIXTURE USING APPROPRIATE THOMAS & BETTS ‘STA—KON’ BRAND, SERIES ‘C10’, OR APPROVED EQUAL, NON—INSULATED FORK TERMINAL.