Required to supplement equipment grounding for luminaires associated with direct burial aerial feed or where required in plans.

Type D service cabinet shown. Use concept for Type E cabinet or transformer.

Type D service cabinet shall be installed on lower surface of foundation only.

Type B service cabinet and transformer cabinet shall be installed on raised surface of foundation only.

Type B modified service cabinet.

Grounding electrode conductor and equipment grounding conductor shall not be routed through lug on grounding bushing.

SEE STANDARD PLAN J-3b FOR PARTS
3/8" × 2" × 2" Frame Bonding Stud Plate with 1/4NC × 1"

Stainless Steel Bonding Studs.

- Weld Bonding Stud to Frame Bonding Plate.
- Weld to lid support frame.
- 1/4" weld = 3 steel.
- Grind lid bonding surface flat after welding.
- All corners rounded. Corners along exposed shear or cut edges shall be broken by light grinding to achieve an approximate 1/16" (millimeter) chamfer or rounding.
- Protect conductors with fireproof cloth prior to welding.
- Omit Frame Bonding Stud Plate if the Frame Bonding point already exists.

Weld all around lid bonding stud ~ 1/4 NC × 1" stainless steel ~ liberally coat entire assembly with anti-seize compound.

- 1/4" weld ~ 3 sides.
- Grind lid bearing surface flat after welding.
- All corners rounded. Corners along exposed shear or cut edges shall be broken by light grinding to achieve an approximate 1/16" (millimeter) chamfer or rounding.

Fillet Weld and Edge Weld (Typ.)

LID SUPPORT - FRAME VARIATIONS AMONG MANUFACTURERS (FIELD VARY)

STAINLESS STEEL FLAT WASHER - PENCER

FRAME BONDING STUD - 1/4 NC × 1" STAINLESS STEEL WELD TO FRAME BONDING STUD PLATE - LIBERALLY COAT THIS ASSEMBLY WITH ANTI-SEIZE COMPOUND

COPPER SOLDERLESS CRIMP CONNECTOR

STAINLESS STEEL FLAT WASHER - PENCER

ATTACH TO FRAME BONDING STUD LOCATION

STAINLESS STEEL FLAT WASHER ~ FENDER

LID SUPPORT DEPTH

STAINLESS STEEL ADJUSTING NUTS

LID TO FRAME BONDING STUD WITH FULL CIRCLE CONNECTOR

FRAME BONDING STUD PLATE ~ LIBERALLY COAT THIS ASSEMBLY WITH ANTI-SEIZE COMPOUND

BONDING JUMPER TO EQUIPMENT GROUNDING CONDUCTOR

EQUIPMENT GROUNDING CONDUCTOR

PVC

GROUNDING DETAILS

TYPICAL GROUNDING DETAILS

STANDARD PLAN J-08.05-00

SHEET 4 OF 4 SHEETS

APPROVED FOR PUBLICATION

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