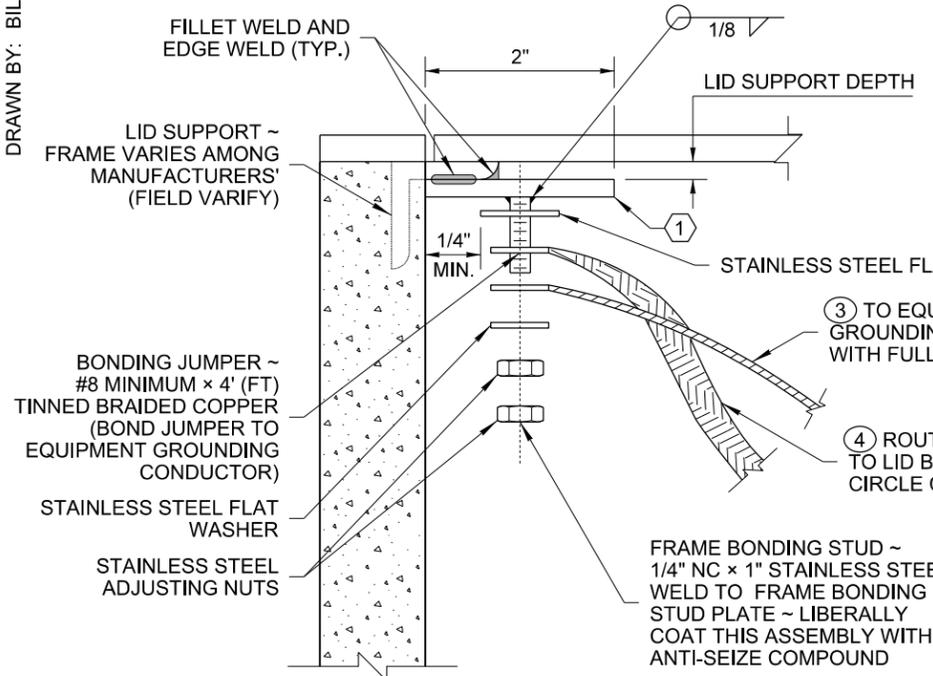


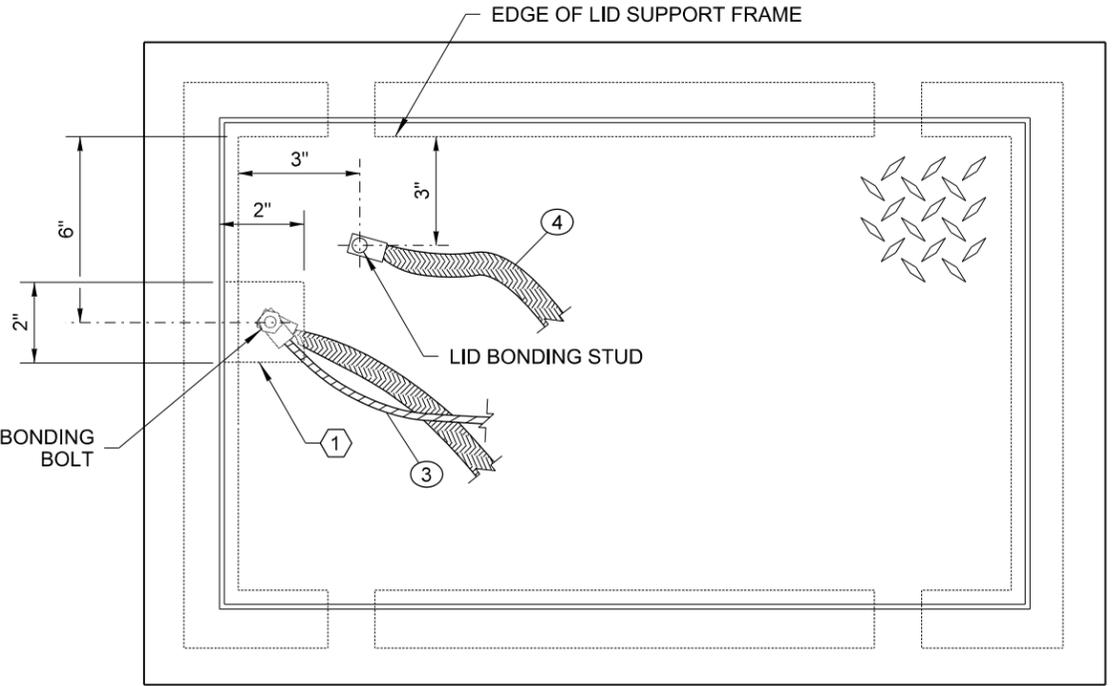
- ① 3/8" (in) x 2" (in) x 2" (in) Frame Bonding Stud Plate with 1/4 NC x 1" Stainless Steel Bonding Stud.
  - Weld Bonding Stud to Frame Bonding Plate.
  - Weld to lid support frame.
  - 1/4" (in) weld ~ 3 sides.
  - Grind lid bearing surface flat after welding.
  - All corners rounded. Corners along exposed sheared or cut edges shall be broken by light grinding to achieve an approximate 1/16" (in) chamfer or rounding.
  - Protect conductors with fireproof cloth prior to welding.
  - Omit Frame Bonding Stud Plate if the Frame Bonding point already exists.

- ② Weld all around lid bonding stud ~ 1/4 NC x 1" stainless steel ~ liberally coat entire assembly w/ anti-seize compound.

DRAWN BY: BILL BERENS

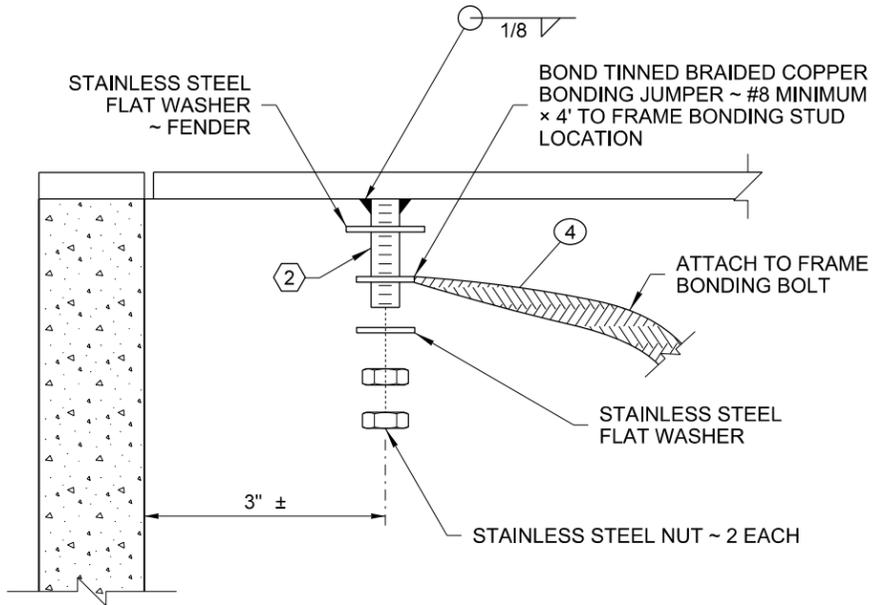


FRAME BONDING DETAIL A

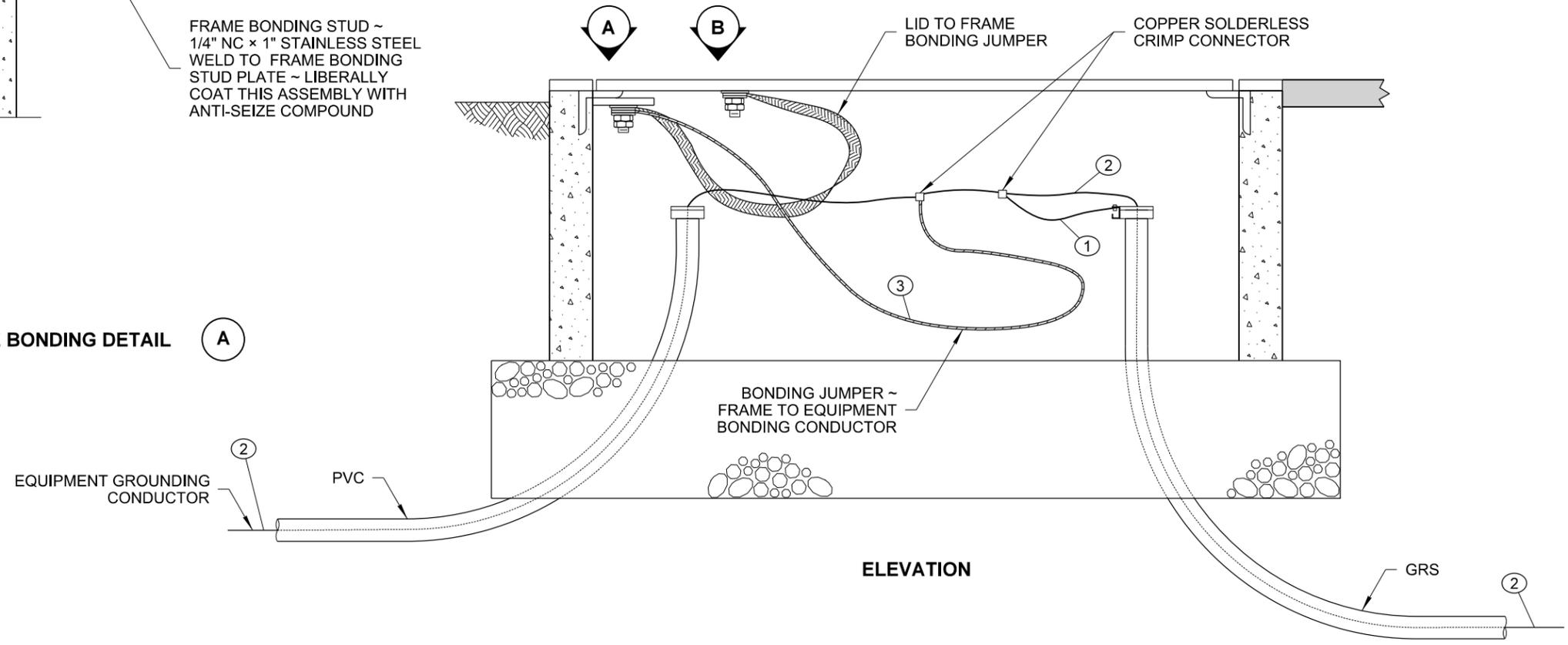


PLAN

- KEY**
- ① BONDING JUMPER
  - ② EQUIPMENT GROUNDING CONDUCTOR
  - ③ BONDING JUMPER ATTACHED TO BOX WALL COUPLING NUT
  - ④ BONDING JUMPER ATTACHED TO BOX LID(S) GROUND STUD. # 8 AWG (MIN.) x 4' (FT) TINNED BRAIDED COPPER.



LID BONDING DETAIL B



ELEVATION



**EXISTING JUNCTION BOX  
RETROFIT GROUNDING  
DETAILS  
STANDARD PLAN J-40.05-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER  
Washington State Department of Transportation