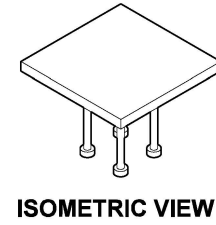
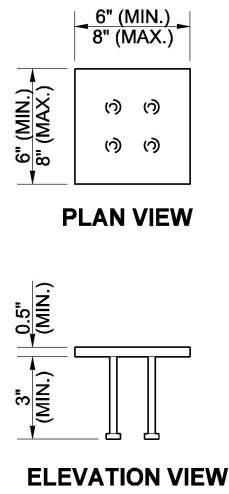
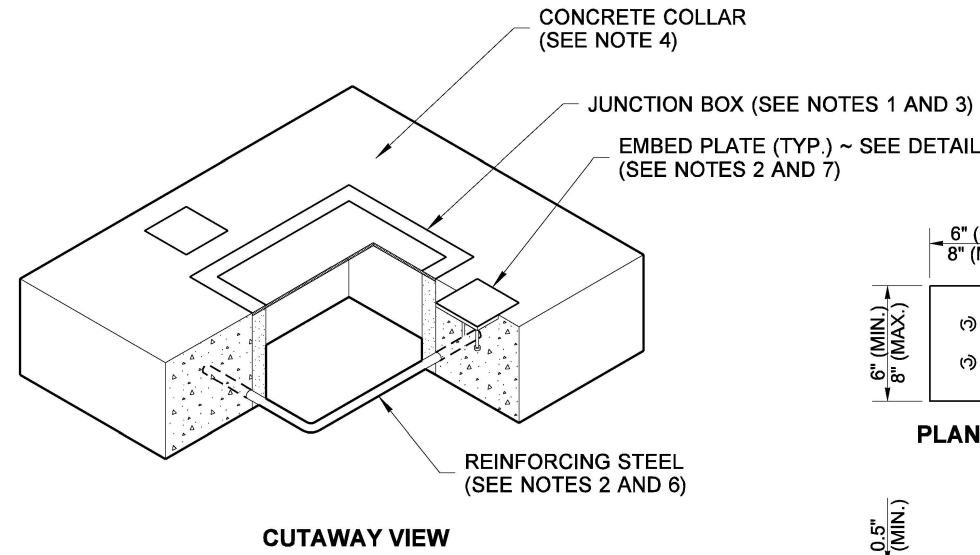
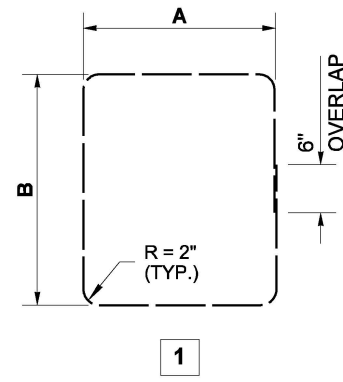


DRAWN BY: BILL BERENS

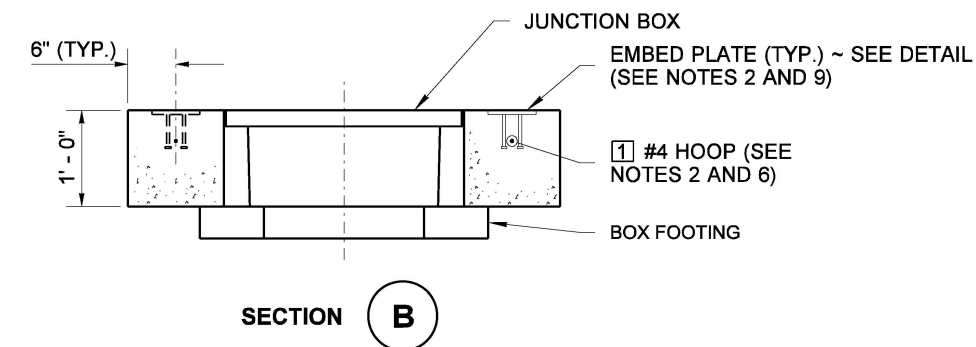
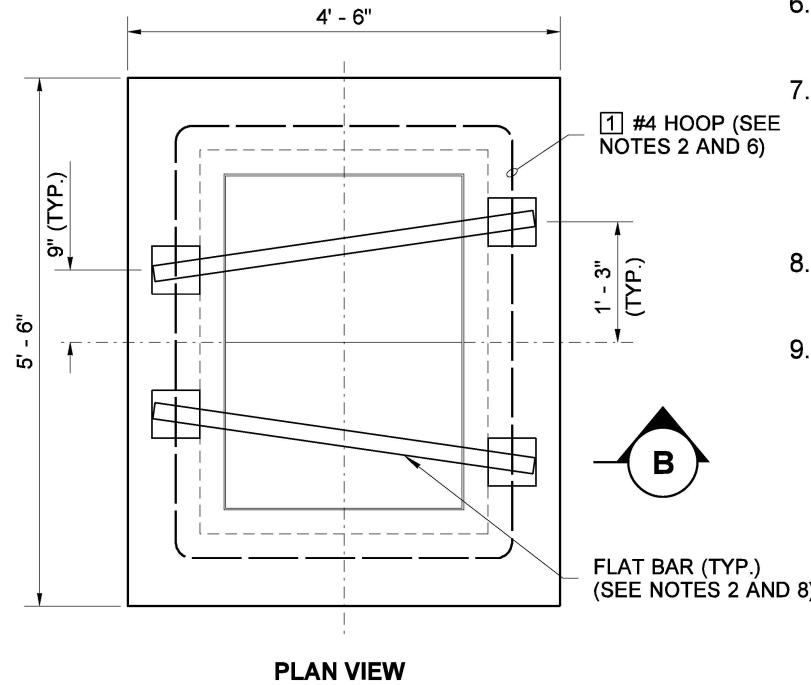
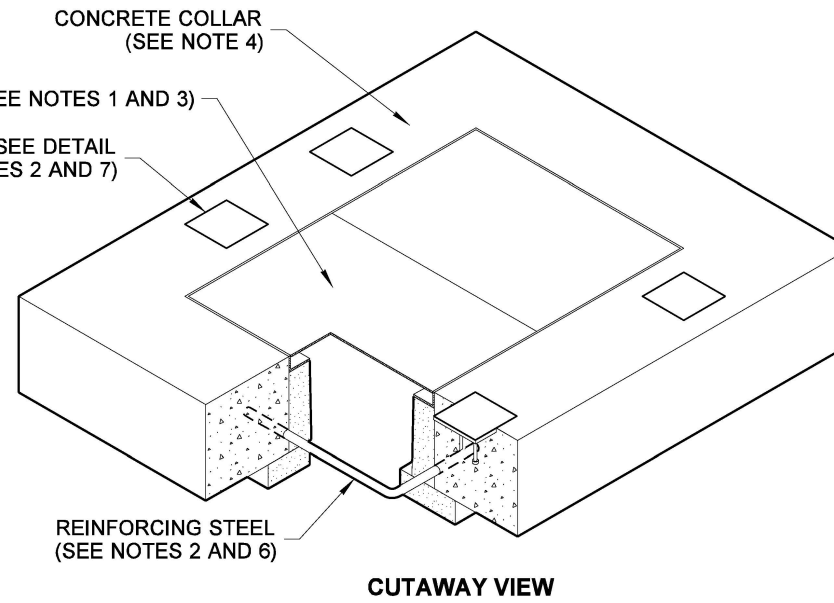


EMBED PLATE DETAIL (SEE NOTE 7)



DIMENSIONS					
BOX TYPE	X	Y	A	B	FLAT BAR LENGTH
TYPE 1	3' - 6"	4' - 0"	2' - 6"	3' - 0"	3' - 0"
TYPE 2	4' - 0"	5' - 0"	3' - 0"	4' - 0"	3' - 6"
TYPE 8	4' - 6"	5' - 6"	3' - 6"	4' - 6"	4' - 0"

REINFORCING STEEL DIMENSIONS MEASURED OUT TO OUT



SECURITY COLLAR LAYOUT TYPE 8 JUNCTION BOXES

NOTES

- See **Standard Plan J-40.10** for Type 1 and Type 2 junction box details. See **Standard Plan J-40.30** for Type 8 Junction Box Details.
- Security collars are classified as "Basic" and "High". Reinforcing steel, embed plates, and flat bar are not required for "Basic Security Collars".
- Junction boxes shall be centered within the concrete collar frame.
- Concrete shall be Class 3000 or Commercial Concrete in accordance with **Standard Specification Section 6-02.3(2)**.
- Concrete polymer Type 1 and 2 junction boxes shall have temporary bracing installed inside the junction box prior to placing concrete, to prevent bowing of the sidewalls and to ensure proper lid seating.
- Reinforcing steel shall meet the requirements of **Standard Specification Section 9-07**.
- Embed plate shall be **ASTM A36** steel. Anchor studs shall meet the requirements of **Standard Specification Section 9-06.15**. Embed plate may use two or four anchor studs. Anchor studs may have heads or be "J" studs.
- Flat bar shall be 2 inch wide by 1/4 inch thick **ASTM A36** steel. Two bars are required for Type 8 Junction Boxes.
- Top of embed plates shall be flush with the top surface of the concrete collar.



Aug 30, 2022

JUNCTION BOX SECURITY COLLAR
STANDARD PLAN J-40.01-00
 SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Mark Gaines
 Mark Gaines (Aug 30, 2022 11:23 PDT)
 STATE DESIGN ENGINEER
 Washington State Department of Transportation

Aug 30, 2022

SECURITY COLLAR LAYOUT TYPE 1 AND 2 JUNCTION BOXES