NOTES

1. This frame is designed to accommodate 20” (in) x 24” (in) grates or covers as shown on Standard Plans B-30.20, B-30.30, B-30.40, and B-30.50.

2. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8” (in) - 11 NC × 2” (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.

3. Refer to Standard Specification Section 9-08.19(2) for additional requirements.

This frame is designed to accommodate 20” (in) x 24” (in) grates or covers as shown on Standard Plans B-30.20, B-30.30, B-30.40, and B-30.50.

BOLT-DOWN DETAILS

SEE NOTE 2

RECESS ALLEN HEAD CAP SCREW
304 S.S. 5/8” (IN) - 11 NC × 2” (IN)

DETAIL & NOTE 2

3/4”
1 1/4”
5/8”
1/2”

GRATE

FRAME

HOLE

SLOT

ISOMETRIC VIEW SHOWING THE VARIATIONS

FLANGE UPWARD

FRAME CAST INTO PRECAST ADJUSTMENT SECTION - SEE STANDARD PLAN B-30.00 FOR ADJUSTMENT SECTION DETAILS

BOLT-DOWN HOLE (TYP.):
5/8” (IN) - 11 NC (SEE DETAIL & NOTE 2)

SECTION

TOP

DETAIL

B

DRAWN BY: FERN LIDDELL

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

APPROVED FOR PUBLICATION

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

RECTANGULAR FRAME (REVERSIBLE)

STANDARD PLAN B-30.10-02

SHEET 1 OF 1 SHEET