NOTES

1. 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 x 2" (in) Allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.

2. Refer to Standard Specification Section 5-05.15(2) for additional requirements.

3. For frame details, see Standard Plan B-30.10.

BOLT-DOWN DETAILS

SEE NOTE 1

RECESSED ALLEN HEAD CAP SCREW
304 S.S. 5/8" (IN) - 11 NC x 2" (IN)

FRAME

GRATE

HOLE

SECTION

A

24"

4 EQUAL SPACES

4 EQUAL SPACES

SECTION

B

TOP

SLOT – SEE DETAIL AND NOTE 1

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION