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 × 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 9-05.15 and 9-05.15(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 × 2" (IN)

GRATE
FRAME
HOLES

7 OR 8 EQUAL SPACES
DIRECTION OF FLOW

24"

SECTION A

SECTION B

SLOT – SEE DETAIL AND NOTE 1

TOP

FLOW

FLOW

FUNDY NAME
D I

1"

3"

5"

5"

5"

20"

5"

5"

5"

3"

SECTION

NOTE 1

1.188 MAX

DRAwn BY: FERN Liddell

STANDARD PLAN B-30.30-03

RECTORANGULAR VANED GRATE

WASHINGTON state Department of Transportation

APPROVED FOR PUBLICATION

VANED GRATE
RECTANGULAR