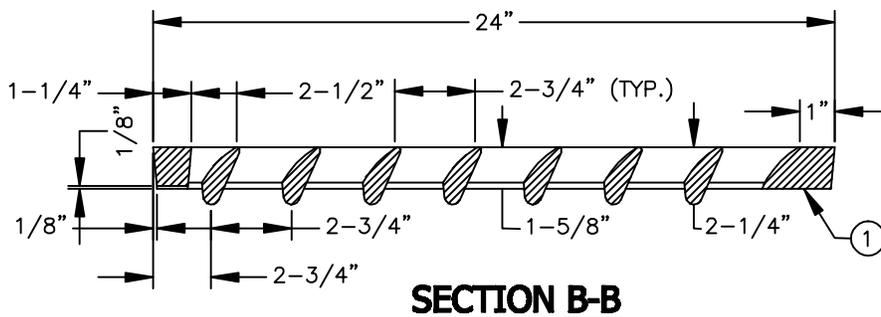
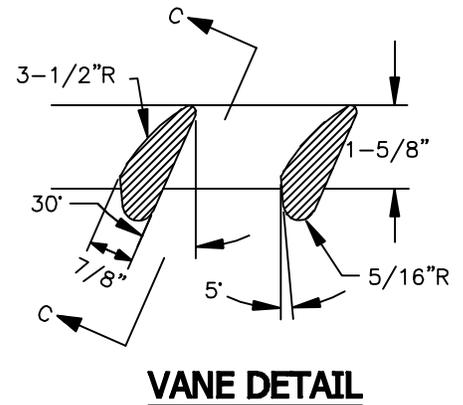


TOP VIEW

SECTION A-A



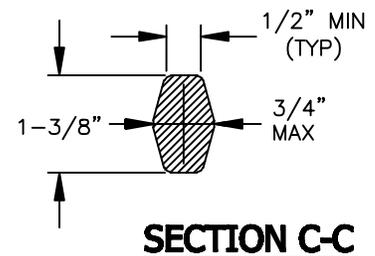
SECTION B-B



VANE DETAIL

NOTES:

1. USE WITH TWO LOCKING BOLTS 5/8" DIA STAINLESS STEEL TYPE 304 SOCKET HEAD (ALLEN HEAD) BOLTS, 2" LONG. SELF-LOCK VANED GRATE IS NOT ACCEPTED.
2. MATERIAL SHALL BE DUCTILE IRON ASTM A536, GRADE 80-55-06, WITH BITUMINOUS COATING.
3. WELDING IS NOT PERMITTED. EDGES SHALL HAVE 0.125" RADIUS, 0.125" CHAMFER OR COMPLETE DEBURRING.
4. USE A BI-DIRECTIONAL VANED GRATE IN SAG VERTICAL CURVES.



SECTION C-C



APPROVED BY	L. OLIVE
DATE	07/31/2008
REF STAN SPEC	

DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL

VANED GRATE

STANDARD DETAIL NUMBER

SD-070