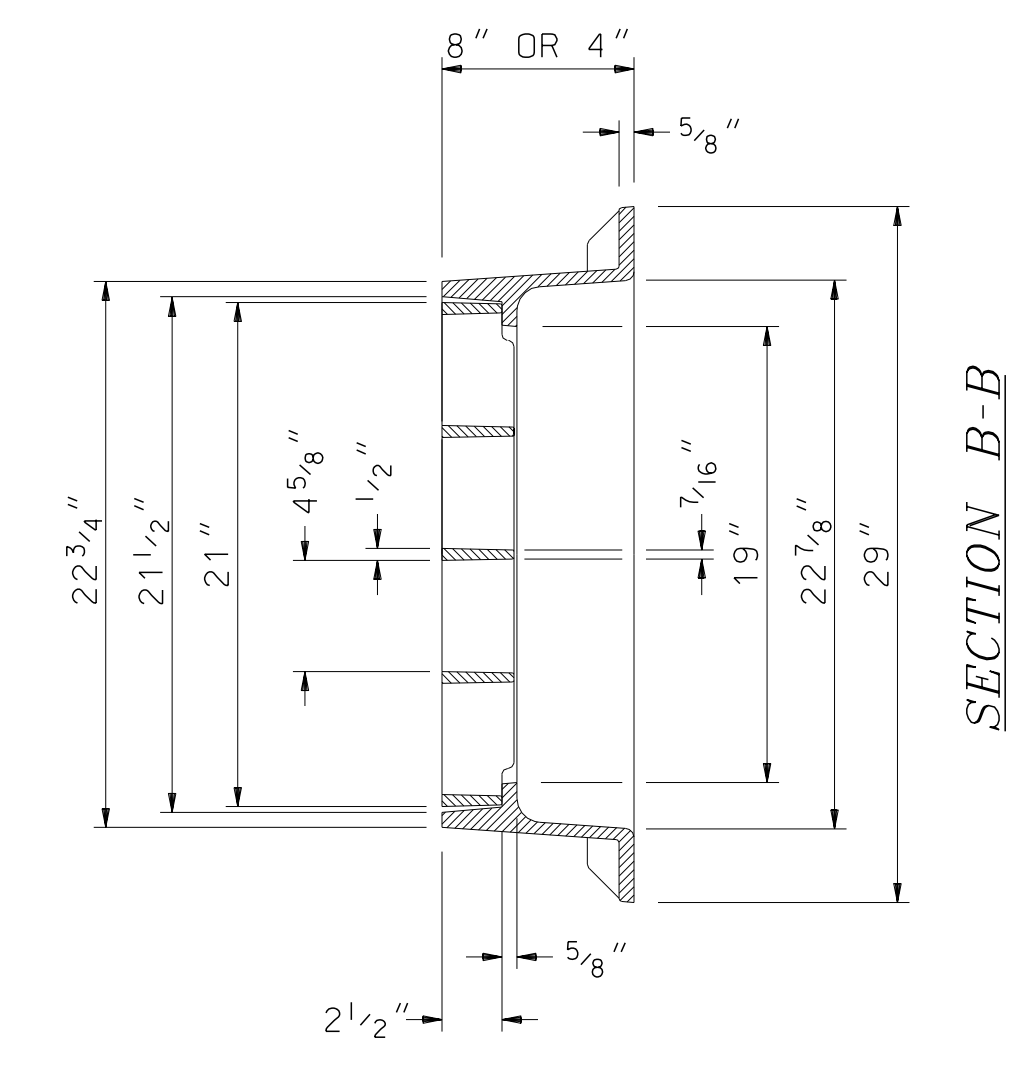
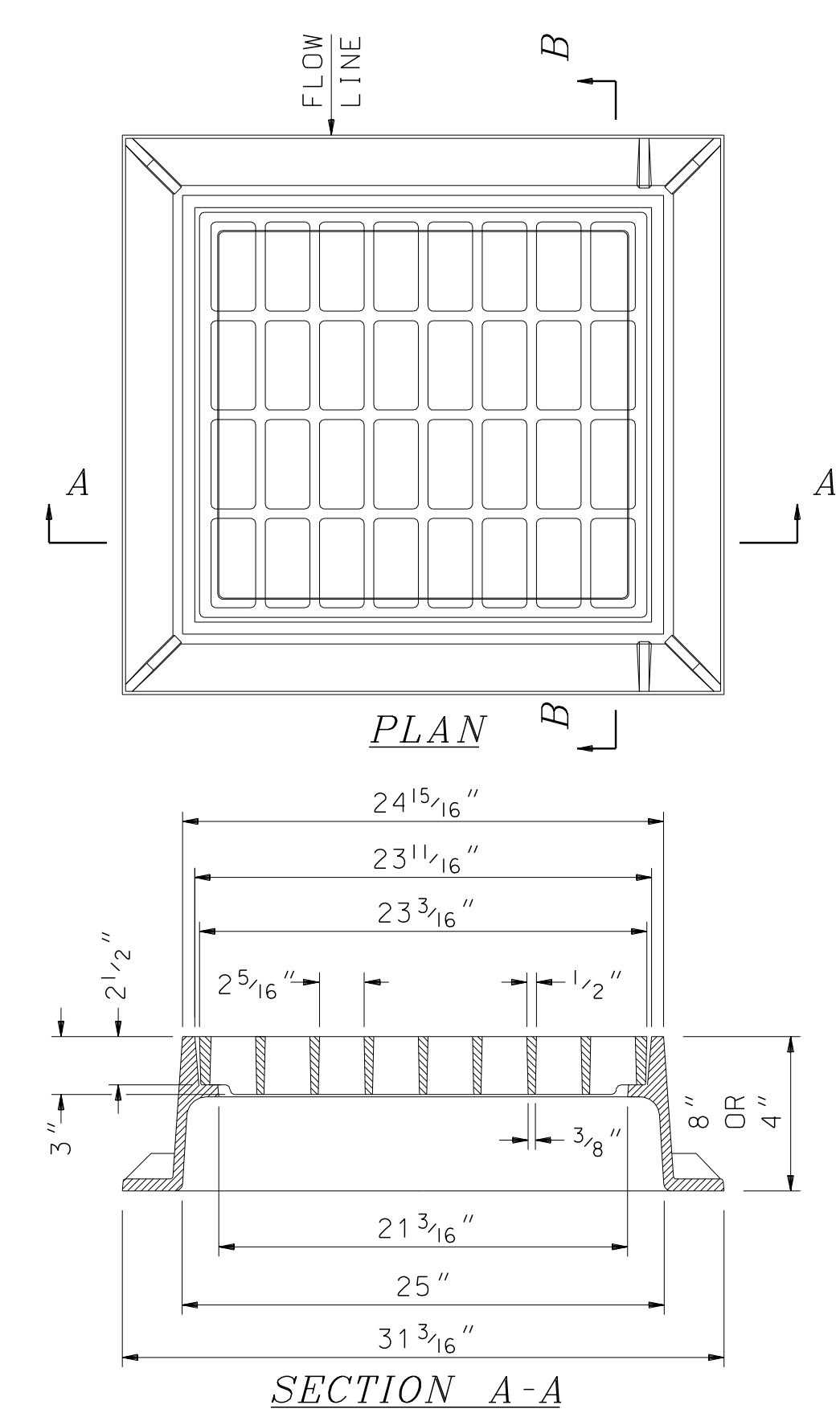


- GENERAL NOTES**
1. ALL DIMENSIONS ARE NOMINAL.
 2. FREE OPEN AREA = 1.73 S.F.
 3. NOT TO BE USED WHEN BICYCLE TRAFFIC IS ANTICIPATED.
 4. USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.

NHDOT STANDARD PLANS
TYPE "A" GRATE & FRAME

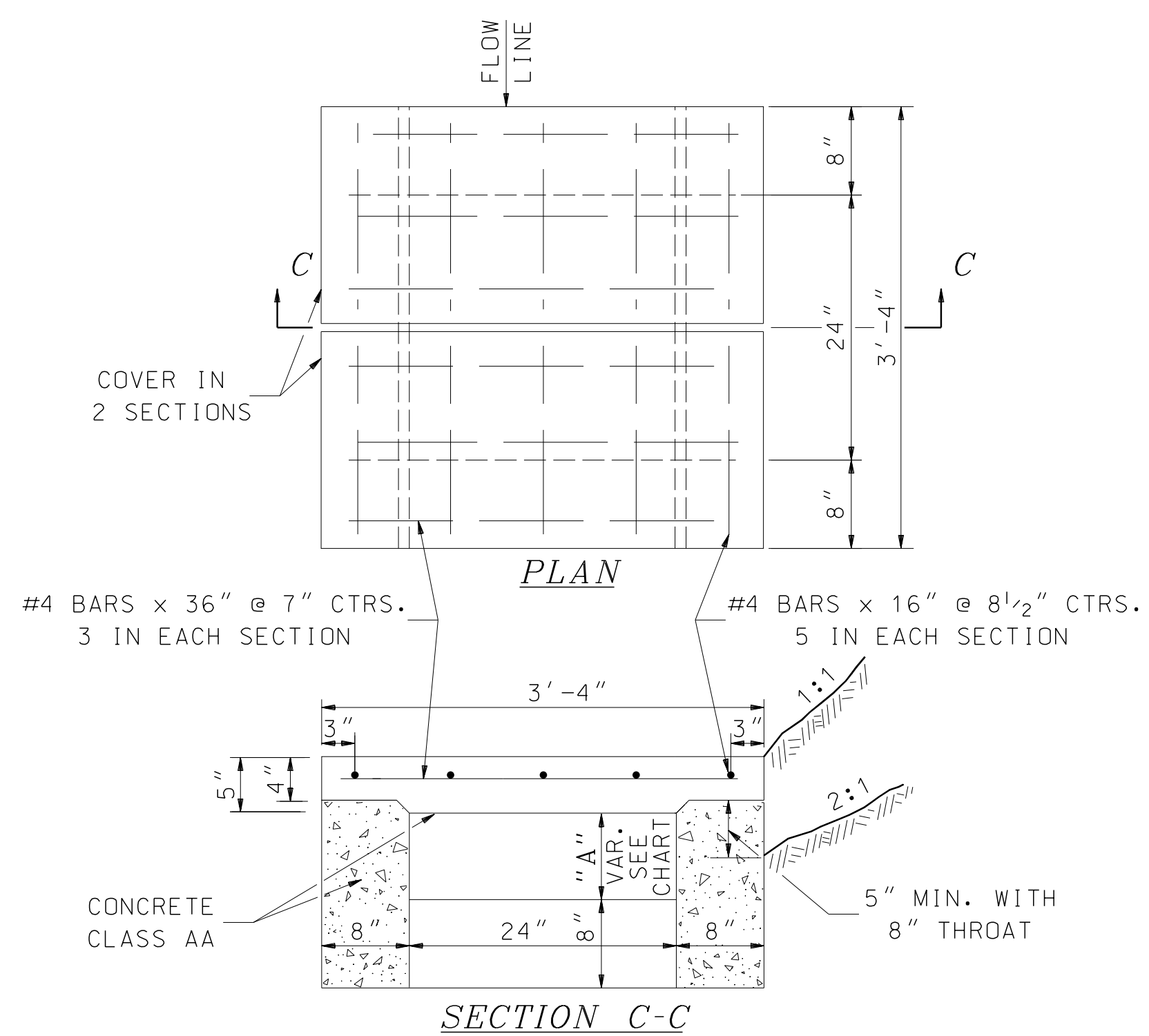
REV. DATE	PLATE
06-16-2010	1
	STANDARD
	DR-1



- GENERAL NOTES**
1. ALL DIMENSIONS ARE NOMINAL.
 2. FRAMES USING NARROWER DIMENSIONS FOR THICKNESS ARE ALLOWED PROVIDED:
 - A. THE FRAMES MEET OR EXCEED THE SPECIFIED LOAD RATING.
 - B. THE INTERIOR PERIMETER (SEAT AREA) DIMENSIONS OF THE FRAMES REMAIN THE SAME TO ALLOW CONTINUED USE OF EXISTING GRATES/COVERS AS THE EXISTING FRAMES ALLOW, WITHOUT SHIMS OR OTHER MODIFICATIONS OR ACCOMMODATIONS.
 - C. ALL OTHER PERTINENT REQUIREMENTS OF THE SPECIFICATIONS ARE MET.
 3. FRAME AVAILABLE IN 4" OR 8" HEIGHTS.
 4. FREE OPEN AREA = 2.55 S.F.
 5. USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.

NHDOT STANDARD PLANS
TYPE "B" GRATE & FRAME

REV. DATE	PLATE
06-16-2010	2
08-14-2015	STANDARD
	DR-1

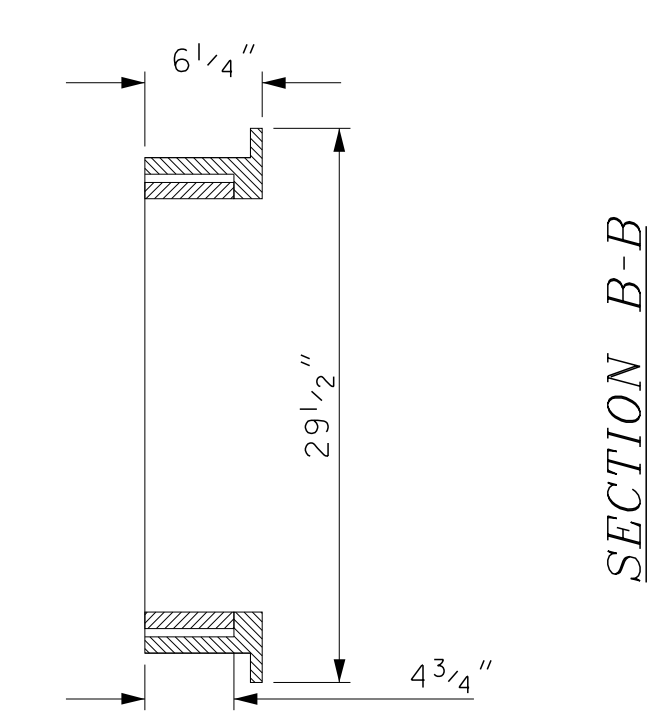
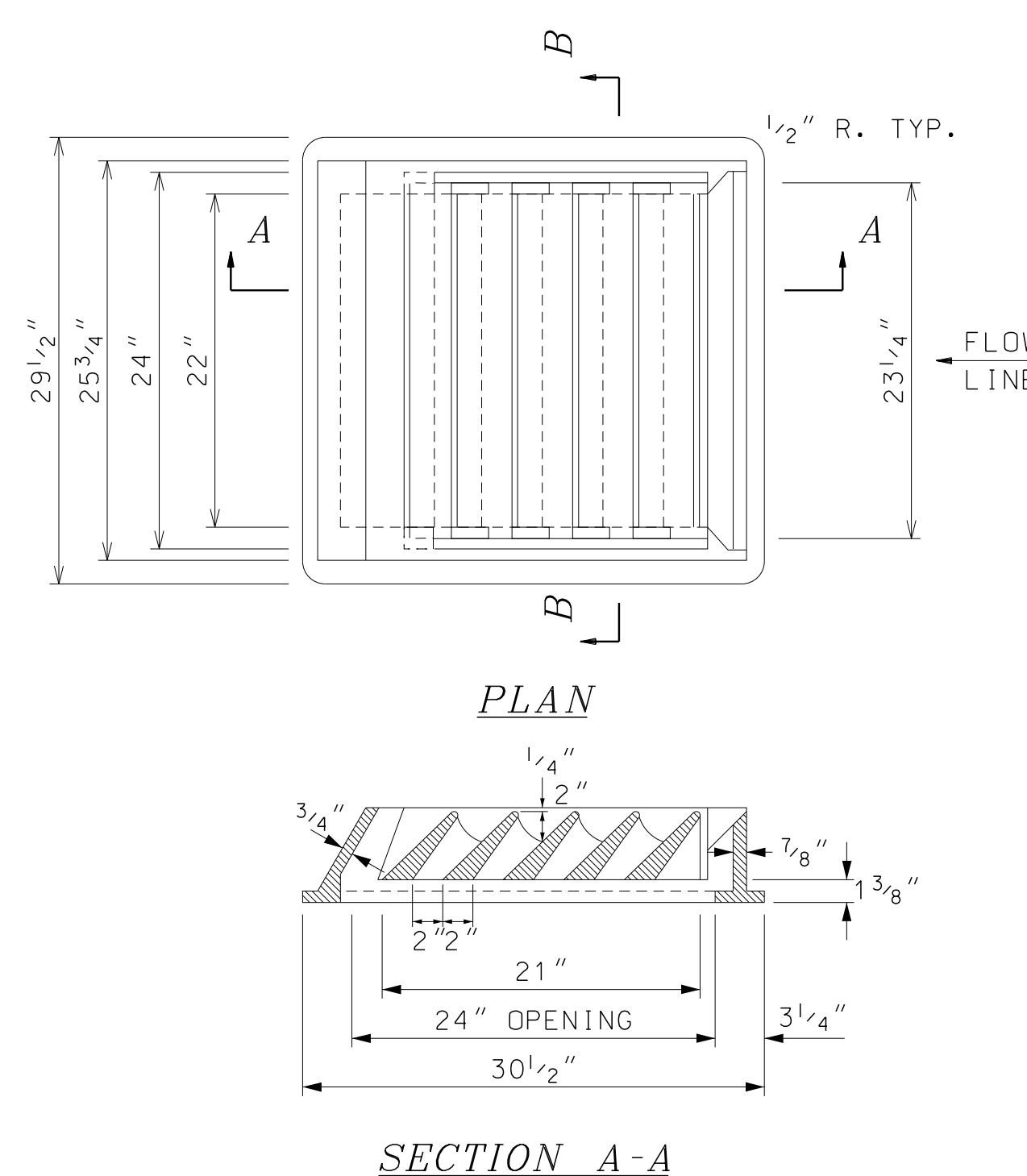


PIPE DIAMETER INCHES	THROAT DEPTH "A" INCHES	
	ONE THROAT	TWO THROAT
12"	8"	8"
15"	8"	8"
18"	16"	8"
24"	18"	16"

IN A SERIES OF CONNECTING C.B.'S OR D.I.'S, THE OUTLET PIPES MAY INCREASE IN DIAMETER, BUT THE SURFACE THROAT OPENINGS ARE NOT AFFECTED.

NHDOT STANDARD PLANS
TYPE "C" GRATE & FRAME

REV. DATE	PLATE
06-16-2010	3
	STANDARD
	DR-1



- GENERAL NOTES**
1. ALL DIMENSIONS ARE NOMINAL.
 2. NOT TO BE USED WHEN BICYCLE TRAFFIC IS ANTICIPATED.
 3. USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.
 4. FREE OPEN AREA = 1.80 S.F.

NHDOT STANDARD PLANS
TYPE "E" GRATE

REV. DATE	PLATE
06-16-2010	4
	STANDARD
	DR-1

STANDARD NO. DR-1

REVISION DATE
07-13-2001
06-16-2010
08-14-2015
*DGN FILE NAME
DR-1