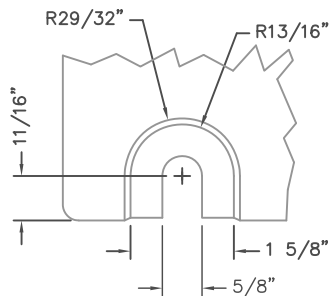
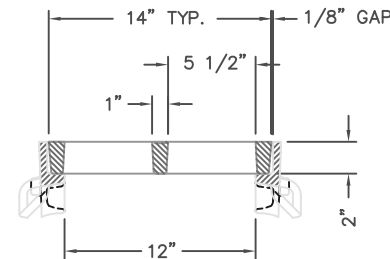


FRAME SECTION VIEW
SCALE 1:4



TYPICAL BOLT SLOT DETAIL
SCALE 1:2



R-4990-DA BOLTED
TYPE "A" GRATE AND TYPE "B" FRAME
TYPICAL SECTION

COMP. NOS.: SIDE FRAME 4999-2400; END FRAME 4990-3114; GRATE 4999-2014
 MATERIAL: SIDE FRAMES - CAST GRAY IRON ASTM A-48, CLASS 35A,
 END FRAMES - CAST GRAY IRON ASTM A-48, CLASS 35B,
 GRATES - CAST DUCTILE IRON ASTM A-536, 55 + KSI YIELD
 FINISH: NO PAINT

DR.	E. NIVER	SCALE	1/8"=1"	TITLE:	R-4990-DA DOUBLE BOLT STYLE TYPE "A" GRATE w/ TYPE "B" FRAME
CH.		DIM CHK.		NEENAH FOUNDRY COMPANY NEENAH WISCONSIN 54956	INF- NF-
APP.		DATE	08-16-2011		B

08-05-2013	CHANGED THE FRAME METAL SPECS PER RYAN HERWKE	ELN
DATE	REVISION	INT