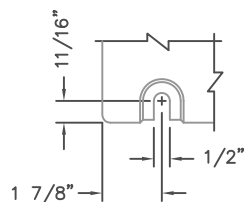
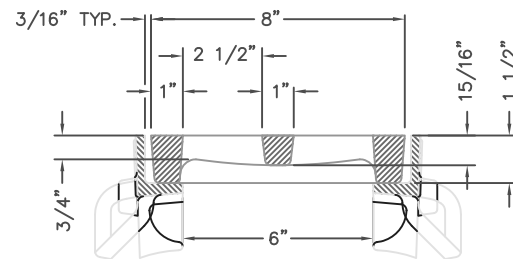


FRAME & GRATE  
SHOWING DEBRIS CHUTE  
SCALE 1:4



BOLT SLOT DETAIL  
SCALE 1:4




R-4999-AX TYPICAL SECTION  
TYPE "A" GRATE w/ TYPE "B" FRAME  
SCALE 1:4

NOTES: FRAMES AND COVERS ARE FURNISHED IN STANDARD 2'-0" INCREMENTS. SPECIAL LENGTH FRAMES AND COVERS ARE FURNISHED FOR ANY OVERALL LENGTH.

COMPONENT NO'S: SIDE PC. FRAME 4990-2415; END PC. FRAME 4990-3108; GRATE 4999-3081

MATERIAL: SIDE PC. FRAMES - CAST GRAY IRON ASTM A-48, CLASS 35A  
END PC. FRAMES AND GRATES - CAST GRAY IRON ASTM A-48, CLASS 35B

FINISH: NO PAINT

DR.	E. NIVER	SCALE	TITLE:	R-4999-AX BOLTED STYLE TRENCH TYPE "A" GRATE w/ TYPE "B" FRAME	
CH.		1/8"=1"			
APP.		DIM CHK.			
DATE	10-26-2012				
			NEENAH FOUNDRY COMPANY NEENAH WISCONSIN 54956	 NF-	B