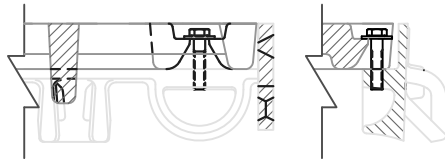
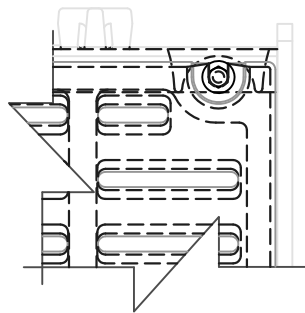
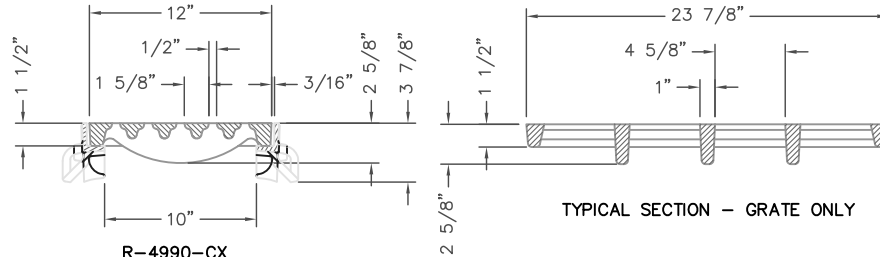


**BOLT SLOT DETAIL**  
SCALE 1:4



**FRAME & GRATE  
SHOWING DEBRIS CHUTE**  
SCALE 1:4



**R-4990-CX  
TYPE "Q" GRATE w/ TYPE "B" FRAME BOLTED  
TYPICAL SECTION THRU TRENCH**

**TYPICAL SECTION - GRATE ONLY**

- NOTES: FRAMES AND COVERS ARE FURNISHED IN STANDARD 2'-0" INCREMENTS. SPECIAL LENGTH FRAMES AND COVERS ARE FURNISHED FOR ANY OVERALL LENGTH.  
 COMPONENT NOS.: SIDE PC. FRAME 4999-2415; END PC. FRAME 4990-3112  
 GRATE 4990-3127  
 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	1/8"=1"	TITLE:	R-4999-CX TYPE "Q" GRATE AND TYPE "B" FRAME, BOLTED
CH.		DIM CHK.		NEENAH FOUNDRY COMPANY NEENAH WISCONSIN 54956	NF-4999CX QB
APP.		DATE	06-06-2013		