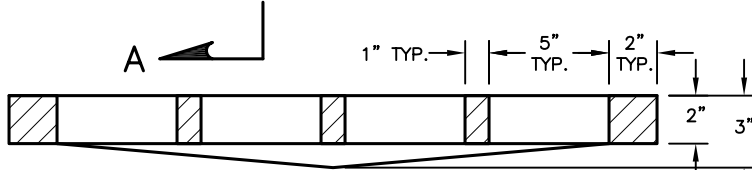
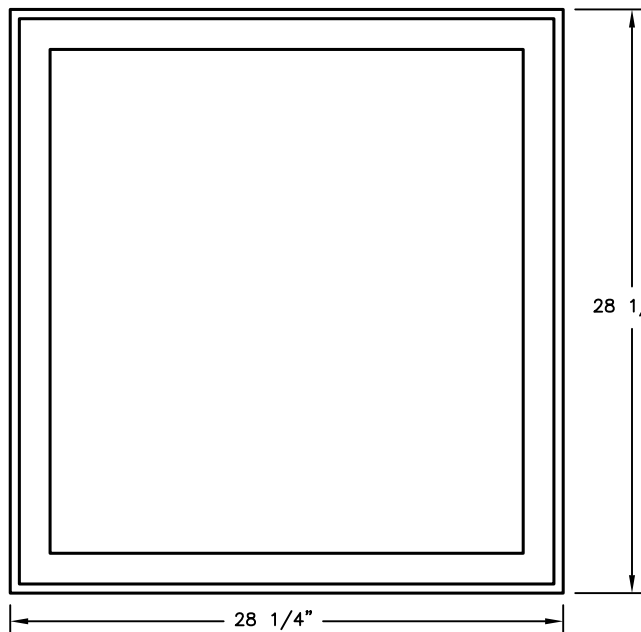


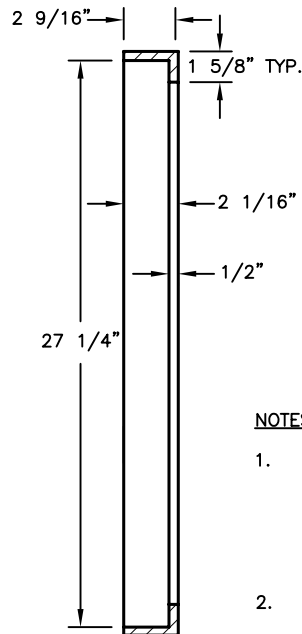
**SECTION A-A**



**SECTION B-B**



**ANGLE FRAME**



**SECTION**

**PRE-APPROVED CASTINGS:**

EJ NO. - 5115M2, 5115Z  
NEENAH NO. - 4852, 1883-0018

**NOTES:**

1. FRAMES, GRATES, AND COVERS SHALL MEET REQUIREMENTS OF 604.02 AND AASHTO M306. DESIGN SHALL BE THE SAME AND EQUAL IN STRENGTH AS SHOWN. GRATE EDGES TO HAVE 1/4" ROUNDED EDGES.
2. ANGLE FRAME SHOWN FOR STANDARD CATCH BASIN WITH 24" SIDE INLETS.
3. APPROXIMATE WEIGHT OF GRATE = 210 LBS.
4. APPROXIMATE WEIGHT OF ANGLE FRAME = 54 LBS.

CITY OF COLUMBUS, OHIO  
DEPARTMENT OF PUBLIC UTILITIES  
DIVISION OF SEWERAGE & DRAINAGE

*John J. Newson*

SSES MANAGER

HEAVY DUTY GRATE AND  
ANGLE FRAME FOR  
STANDARD CATCH BASIN

STANDARD DRAWING  
AA-S141

REVISED 12/6/13

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