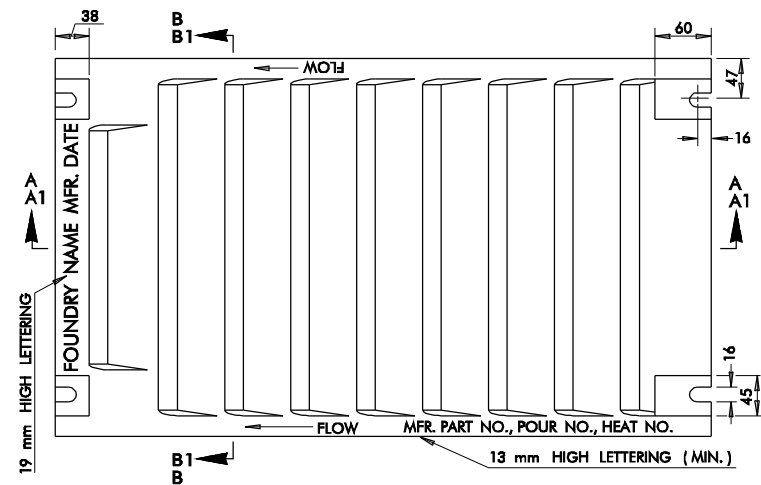
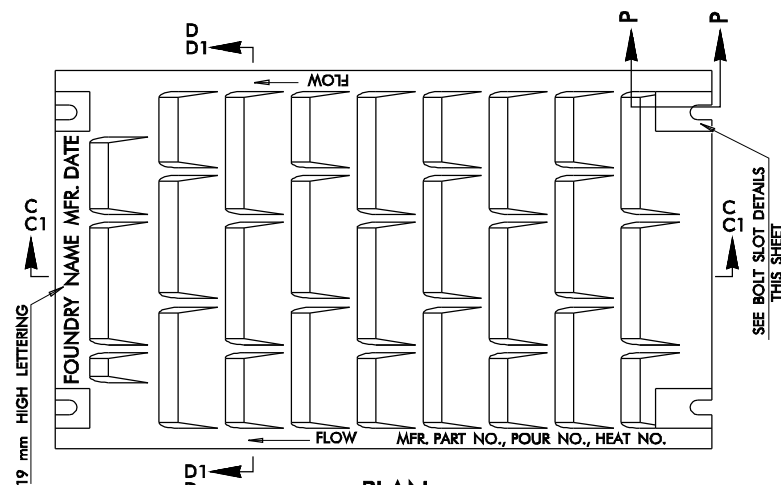
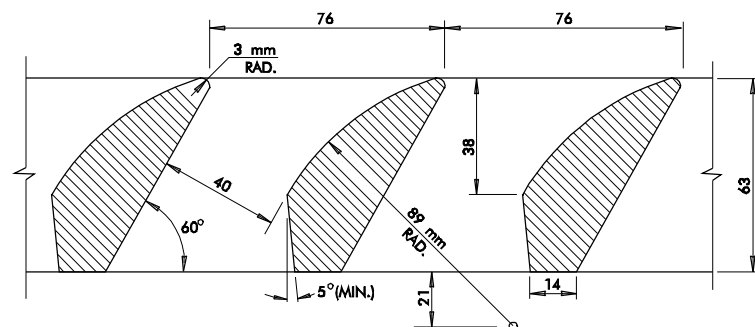




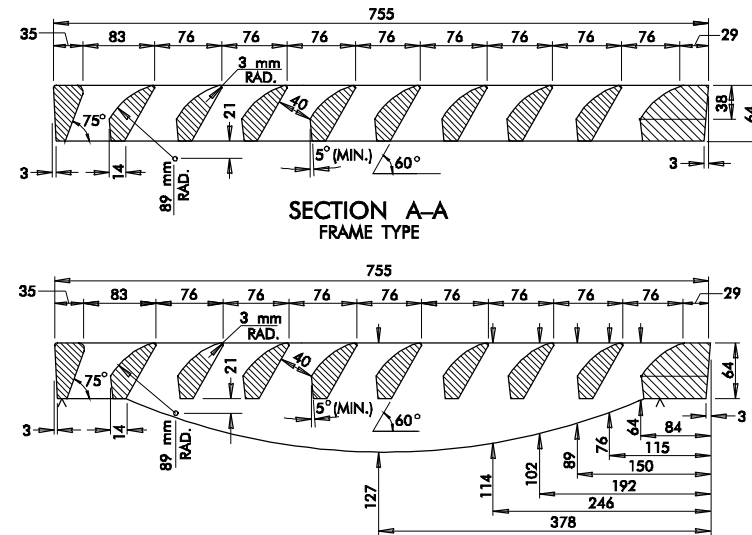
PLAN
VANE GRATE
TYPE VG-F (FRAME INSTALLATION)
▲ TYPE VG-T (TRENCH INSTALLATION)



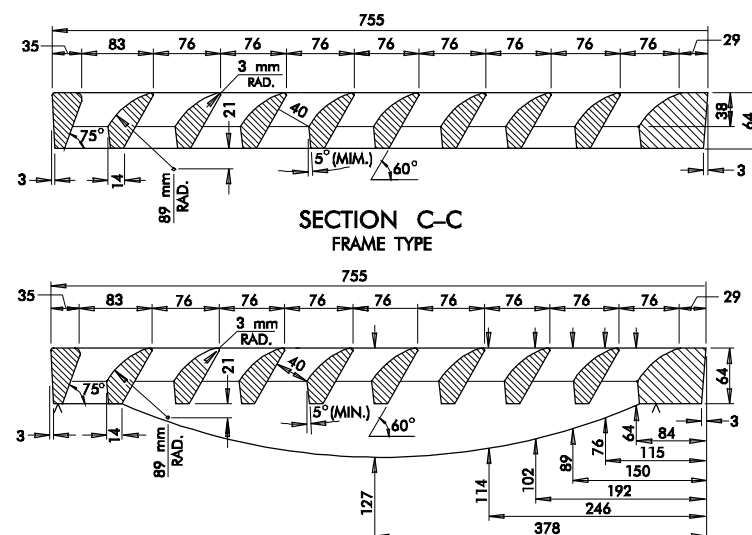
PLAN
RIBBED VANE GRATE
TYPE RVG-F (FRAME INSTALLATION)
▲ TYPE RVG-T (TRENCH INSTALLATION)



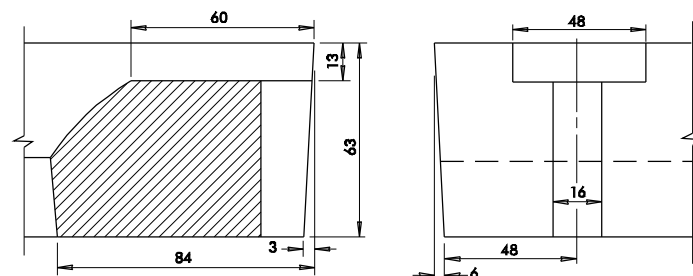
TYPICAL SECTION THRU VANES



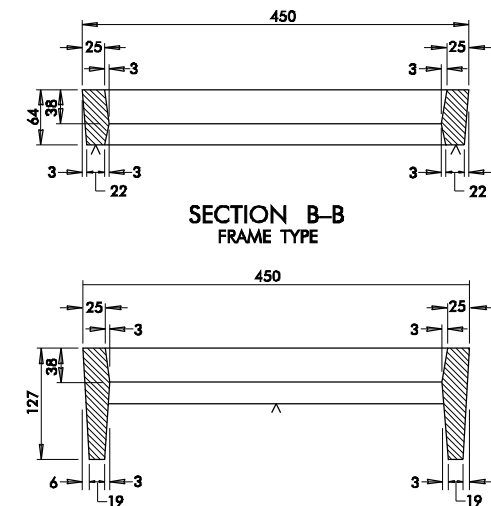
SECTION A-A
FRAME TYPE
▲ TRENCH TYPE
^ MACHINING ONLY ON END BEARING AREAS.



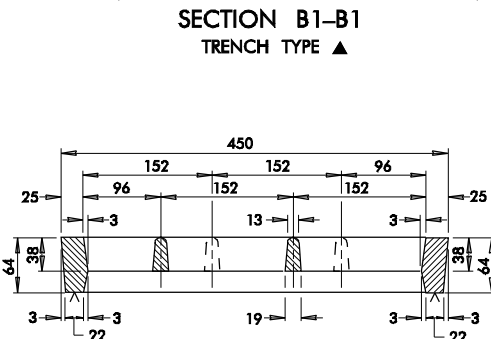
SECTION C-C
FRAME TYPE
TRENCH TYPE ▲
^ MACHINING ONLY ON END BEARING AREAS.



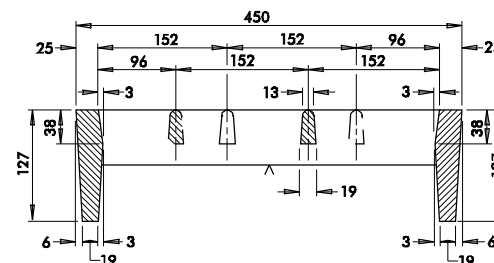
SECTION P-P
BOLT SLOT DETAILS
END VIEW



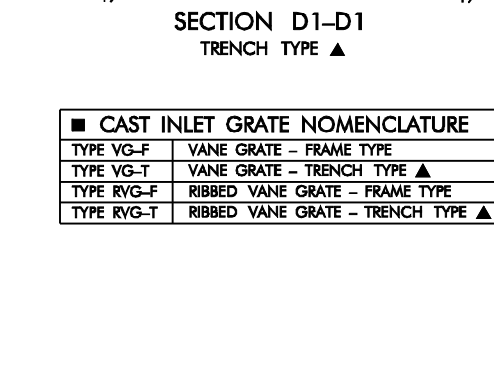
SECTION B-B
FRAME TYPE



SECTION B1-B1
TRENCH TYPE ▲

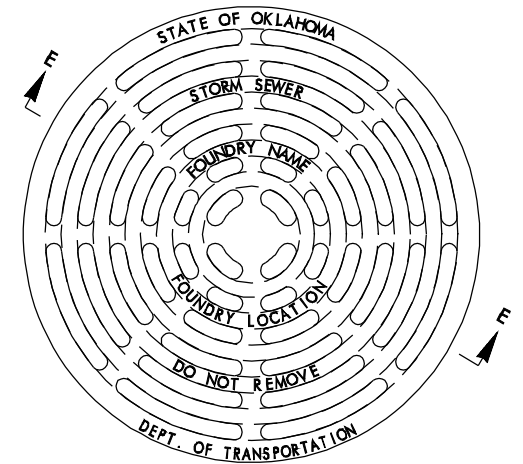


SECTION D-D
FRAME TYPE

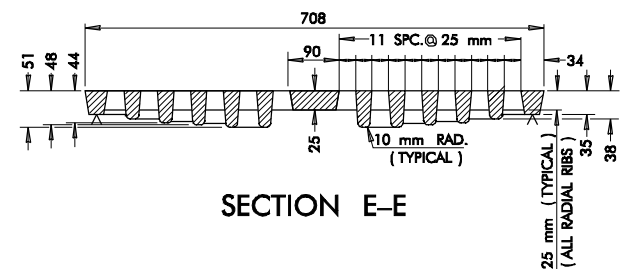


SECTION D1-D1
TRENCH TYPE ▲

CAST INLET GRATE NOMENCLATURE	
TYPE VG-F	VANE GRATE - FRAME TYPE
TYPE VG-T	VANE GRATE - TRENCH TYPE ▲
TYPE RVG-F	RIBBED VANE GRATE - FRAME TYPE
TYPE RVG-T	RIBBED VANE GRATE - TRENCH TYPE ▲



PLAN
MANHOLE COVER GRATE
TYPE MCG



SECTION E-E

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 METRIC STANDARD SPECIFICATIONS.
2. FRAME TYPE GRATES, VANE OR RIBBED VANE, ARE NOT TO BE USED IN TRENCH INSTALLATIONS.
3. GRATES SHALL BE INSTALLED IN THE FRAME WITH FLOW ARROW POINTING DOWNSTREAM OR TOWARD THE LOW POINT IN A SUMP.
4. ALL LETTERING IS TO BE RECESSED 2 mm. INFORMATION REQUIRED SHALL BE SUFFICIENT FOR IDENTIFICATION AS SHOWN.
5. GRATES SHALL BE CAST STEEL, DUCTILE IRON, OR GRAY IRON CONFORMING TO SECTION 725 OF THE 1999 METRIC STANDARD SPECIFICATIONS.
6. ALL GRATES INSTALLED IN A TRENCH FRAME (STD. SSIF-3) SHALL HAVE A BOLTED HOLD-DOWN FEATURE. IF INSTALLED IN AN ANGLE IRON FRAME OR RESTING ON A CONCRETE SHOULDER, A POSITIVE HOLD-DOWN FEATURE, APPROVED BY THE ENGINEER, SHALL BE USED.

NOTE: MACHINING (SYMBOL ^) MAY BE ACCOMPLISHED BY MILLING OR BY LEVEL GRINDING.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
611.06(G)	INLET FRAME & GRATE	EACH
611.06(G)	INLET GRATE (TYPE ■)	EACH
611.06(D)	MANHOLE COVER GRATE	EACH

▼ ANY FRAME TYPE GRATE ON THIS DRAWING INSTALLED IN A PROPER FRAME, AS SHOWN ON STD. SSIF-3 (TYPE A, B, C) WILL COMPRISE THE PAY ITEM.

APPROVED BY ROADWAY ENGINEER	DATE
OKLAHOMA DEPT. OF TRANSPORTATION ROADWAY STANDARD (METRIC)	
CAST INLET GRATE	
1999 SPECIFICATIONS	CIG-2
ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.	00M R-96M