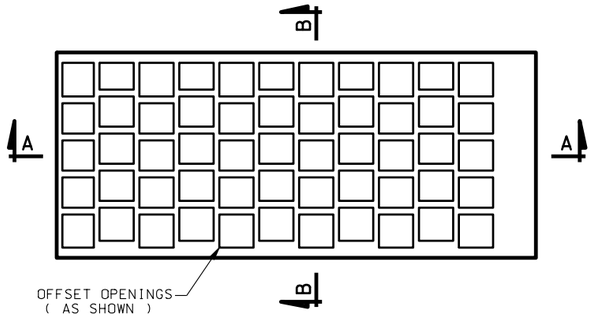
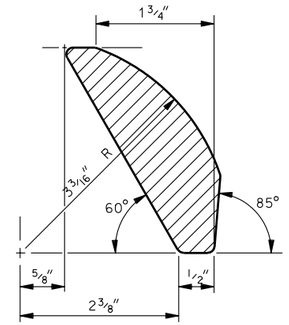
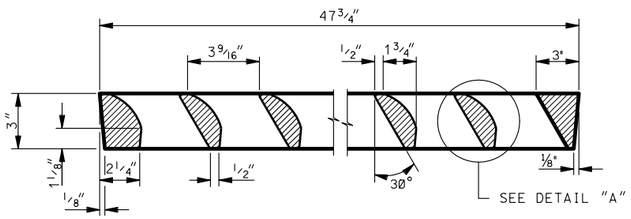


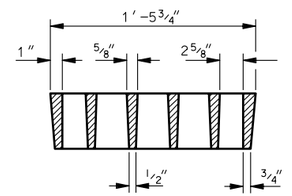
GRATE
WEIGHT: 266 LBS



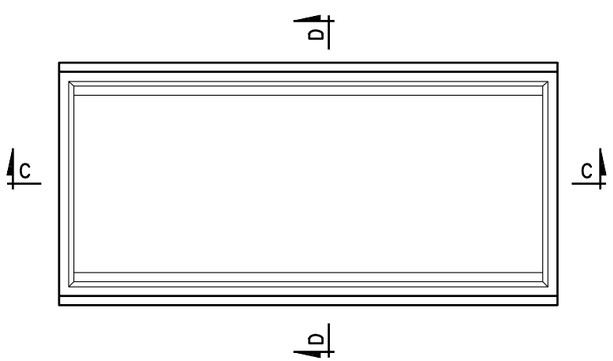
DETAIL "A"



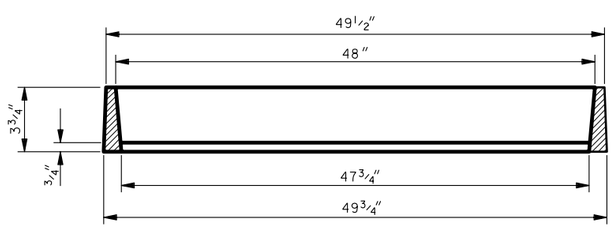
SECTION A-A



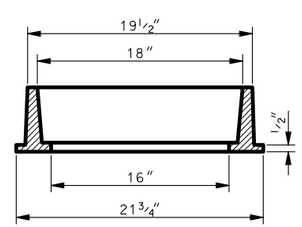
SECTION B-B



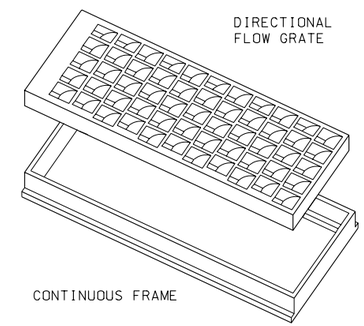
FRAME
WEIGHT: 160 LBS



SECTION C-C



SECTION D-D



NOTES:

1. FURNISH GRATE AND FRAME IN EITHER DUCTILE IRON (ASTM A 536 GRADE 60) OR CAST GRAY IRON: AASHTO M 105, CLASS 30B (ASTM A 48).
2. INSTALLATION REQUIRES SUPPORT UNDER LONGITUDINAL AXIS OF FRAME, ORIENT GRADE WITH DIRECTION OF FLOW.

DESIGN DATA

MS 18 (HS-20) OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH CURRENT AASTO AND INTERIM SPECIFICATIONS.

DUCTILE IRON AND STRUCTURAL STEEL: fs = 20,000 psi

REVISIONS

NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — JAN.01,2005 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — JAN.01,2005 DATE
DEPUTY DIRECTOR

DIRECTIONAL FLOW GRATE AND FRAME
STANDARD DRAWING TITLE

STD DWG
GF 4

DGN File:N:\Esd\Standard.Drawings\Imperial\2005Approved\Grates Frames and Trash Racks (GF)\gf04.dgn
15-DEC-2004