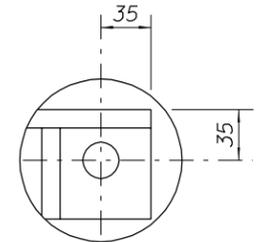
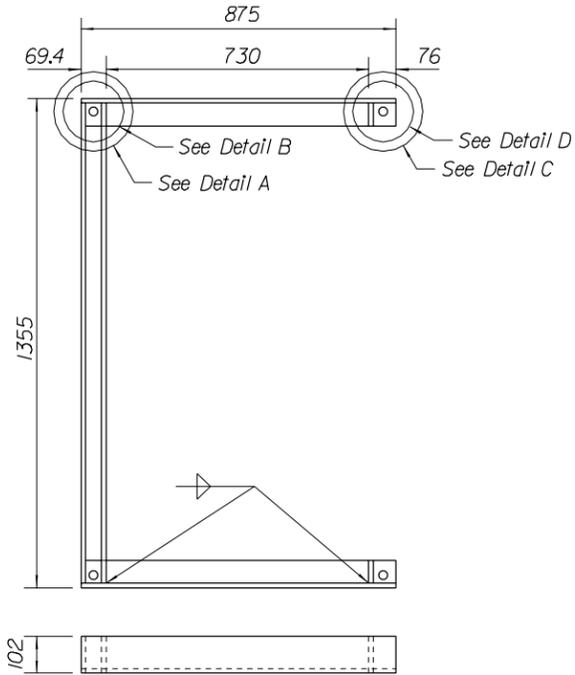


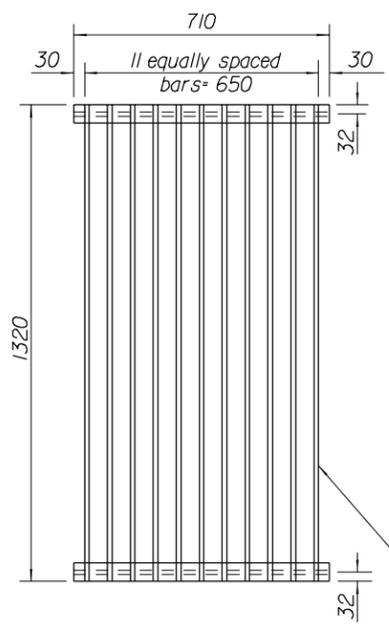
DETAIL B



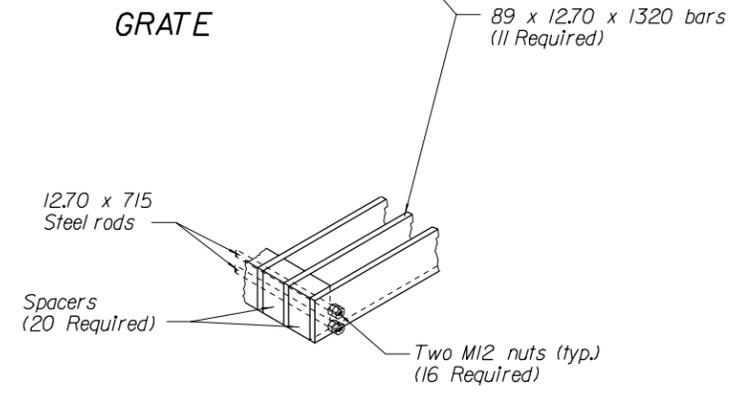
DETAIL D



GRATE FRAME

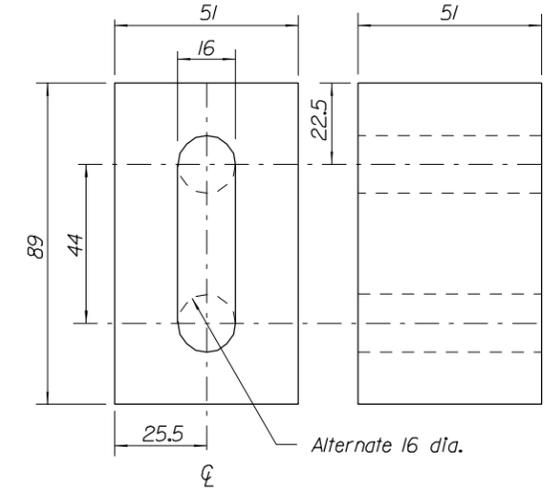


GRATE

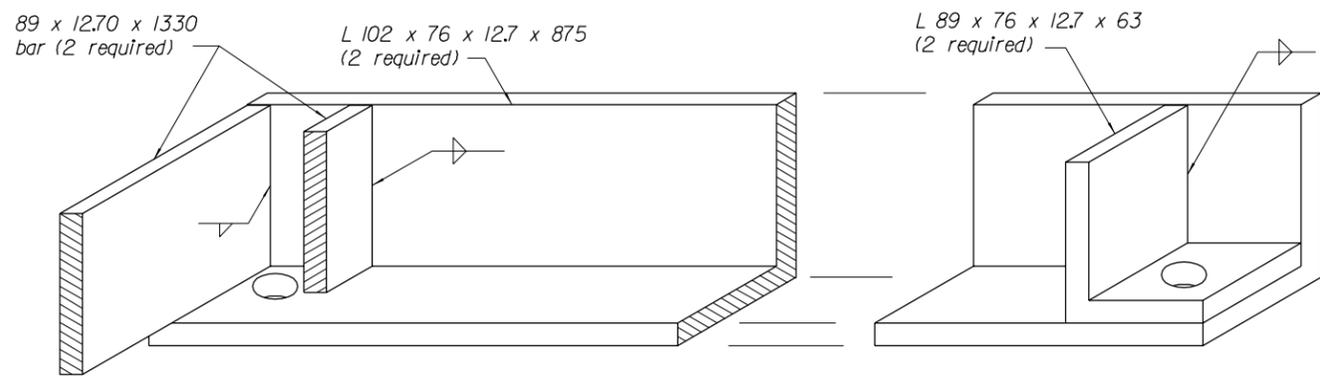


NOTES:

1. Unless otherwise shown, dimensions are in millimeters.
2. Alternate spacers include 16 mm dia. holes instead of the slot shown, or 2 pieces of 12.70 mm galvanized iron pipe.
3. Four 12.70 mm diameter x 710 mm steel rods, two nuts each end. Thread rods 50 mm +/- each end.
4. In place of rods and nuts, bars may be welded together using spacer with 2 extra 40 mm outside spacers added to each end.
5. Galvanize all metal parts for frame and grating after fabrication.
6. Frame and grating are steel.
7. Furnish hardware in the metric sizes shown. Equivalent Imperial sizes may be used when metric sizes are not available.



METAL SPACERS



DETAIL A

DETAIL C

ISOMETRIC VIEW

LEGEND

- ∇— fillet lap weld
- ◁— weld both sides

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
INLET, TYPE 4D	
SHEET 2 OF 2	
DETAIL APPROVED FOR USE --/----	DETAIL
REVISED: 07/98 4/29/02	EM604-02

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