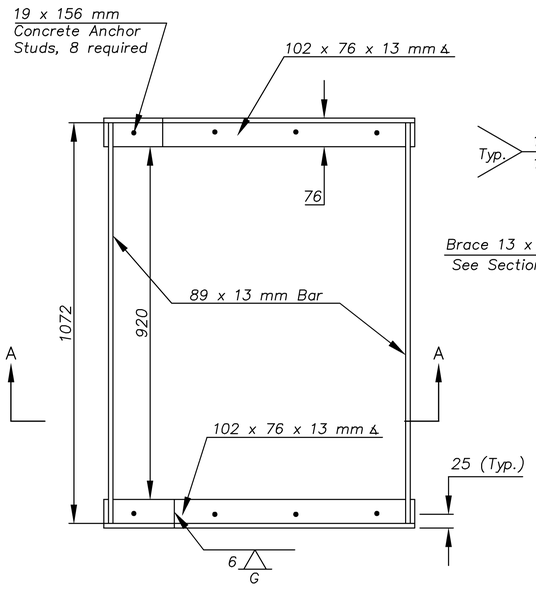
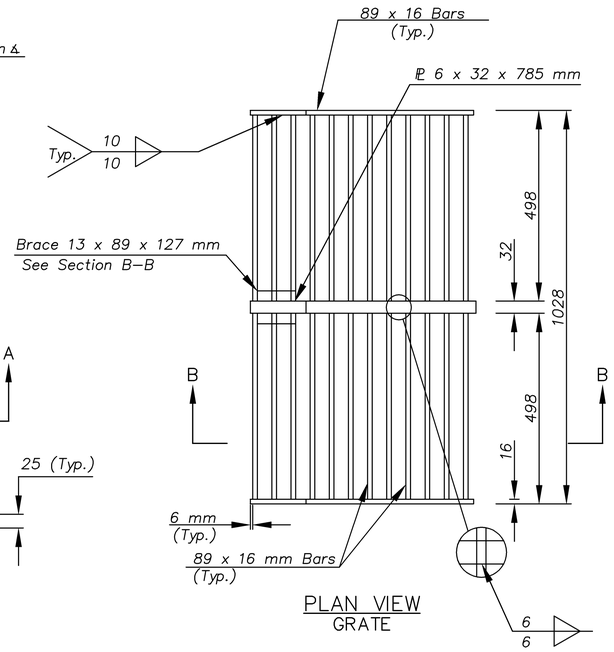
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54–87 K–8258–01	2007	116	556

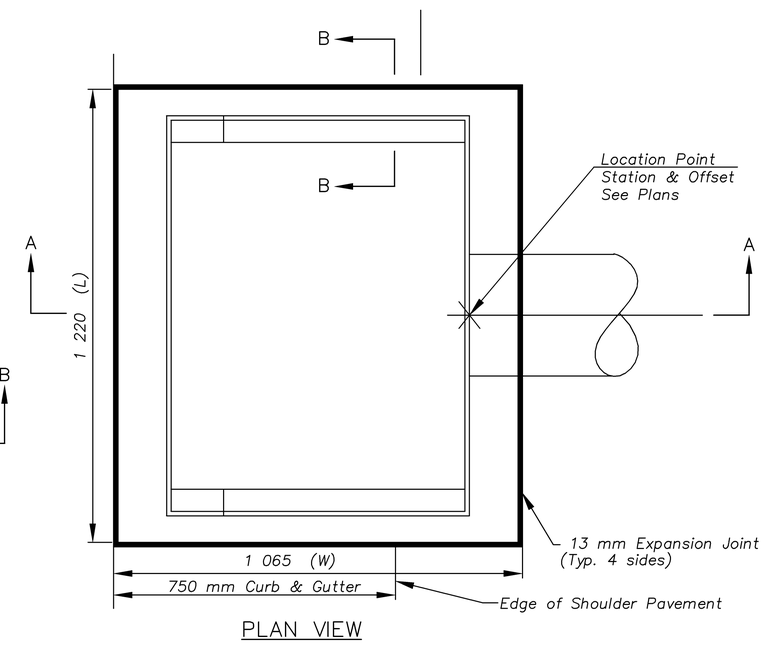
BY	DATE
REFERENCE NOTED	
REFERENCE CHECKED	



PLAN VIEW
FRAME



PLAN VIEW
GRATE



PLAN VIEW

GENERAL NOTES

At the Contractor's option, Grade 31 Concrete (AE) or mix used in Concrete Pavement may be used. All exposed edges shall be finished with an edging tool.

In general, pipes will enter and leave the inlet at various positions. Where possible, bend bars around pipes.

Floor of inlet shall be shaped as shown in various "Examples" on Reinforced Concrete Manhole Standard RD 730 SI. Concrete used for shaping shall be unreinforced Grade 31 Concrete (AE) or concrete pavement mix. No addition in concrete quantities shall be made for shaping floor of inlets.

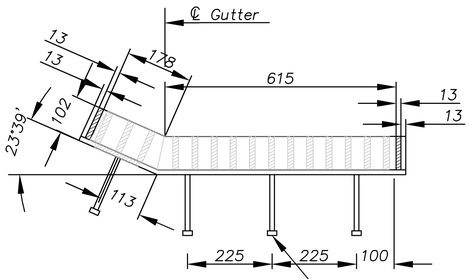
No deductions in concrete or reinforcing steel quantities shall be made for pipe openings.

All bars are #13 @ 150 spacing and shall have a minimum clearance of 37.5 mm unless otherwise noted on the plans.

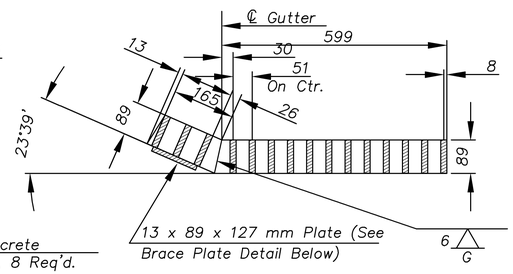
All reinforcing steel shall be deformed reinforcing bars conforming to the requirements of ASTM A615 M, 420 MPa. Reinforcing steel shall be epoxy coated.

When so ordered by the Engineer, the top of the inlet shall be sloped slightly to approximately fit the ground line or other conditions.

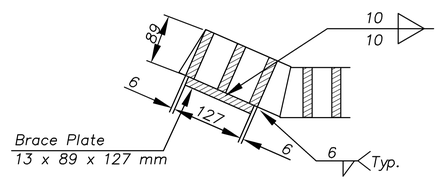
Inlet may be precast or cast in place. Contractor shall submit reinforcement shop drawing for review.



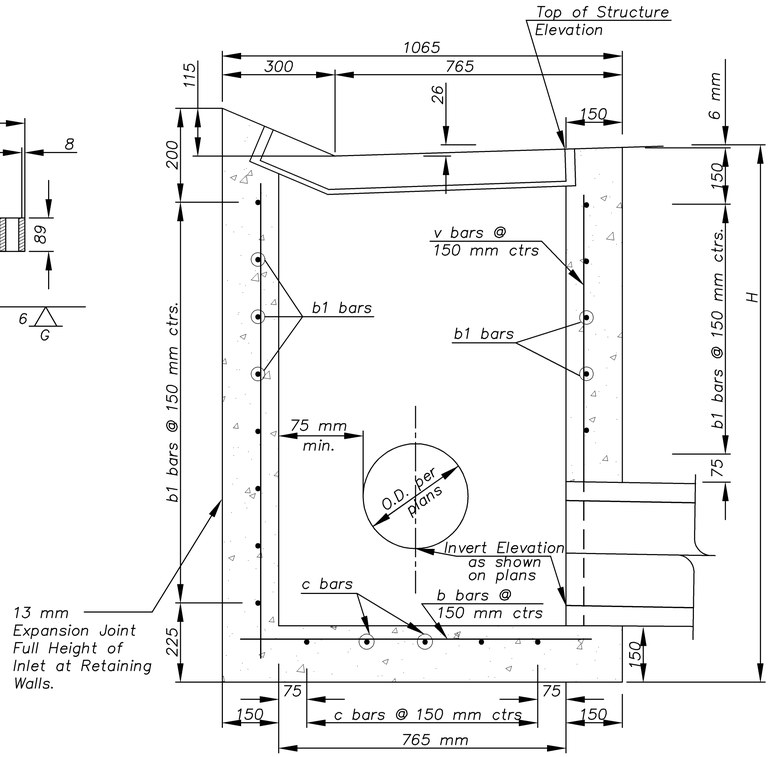
SECTION A–A



SECTION B–B



BRACE PLATE



SECTION A–A

SECTION B–B

NOTE: All dimensions are in mm, unless otherwise noted.

NOTES:
All structural steel shall comply with ASTM A36M. The unit shall be hot dipped, galvanized after fabrication, in accordance with ASTM A123 except the weight of coating shall average not less than 0.610 kg per sq. m of actual surface and no individual test shall show less than 0.549 kg of coating per square meter of actual surface area. The welded structural steel grate and frame weight = 216 kg.

CFS Cook, Flatt & Strobel ENGINEERS, P.A.

FRAME AND GRATE

KANSAS DEPARTMENT OF TRANSPORTATION

GRATE INLET
SPECIAL (1)

Drawn by:	Plotted:	SCALE
File:		

J:\00011ph2\KELLOGG ROCK TO END\055 GRATEINLTSPC.dwg 6/30/2005 9:24:51 AM CDT