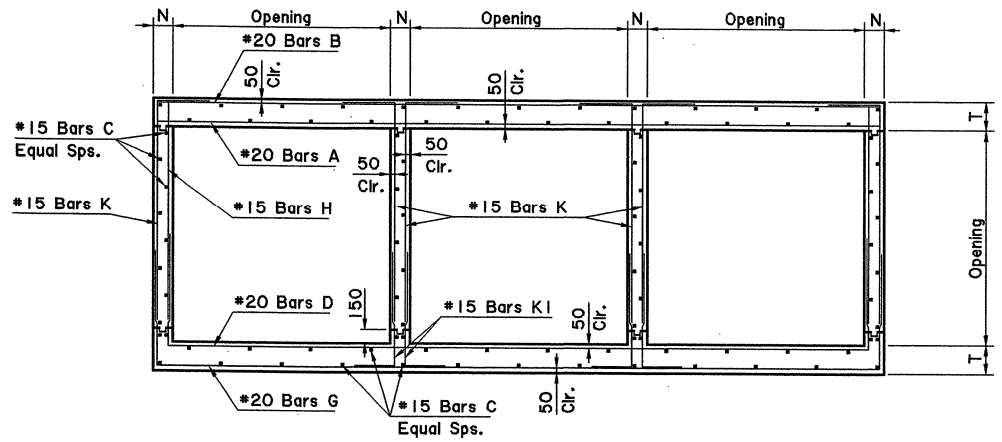
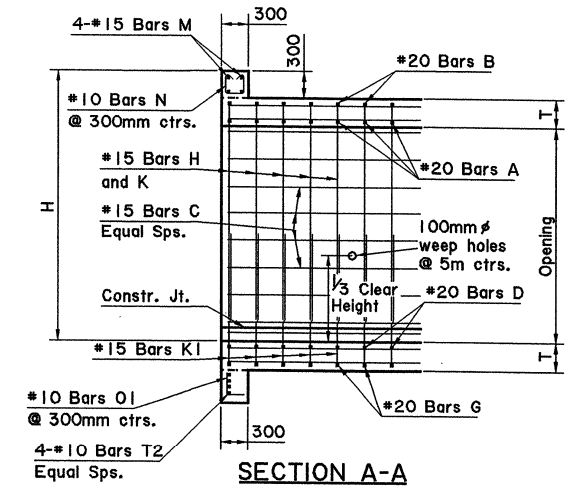


SECTION THRU BARREL



SECTION A-A

GENERAL NOTES

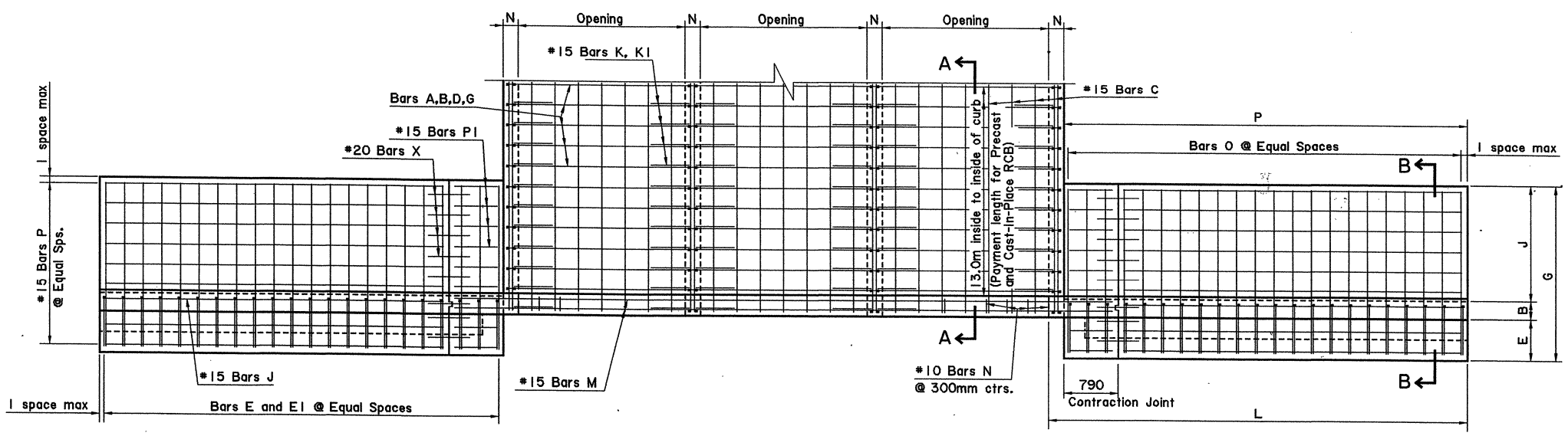
DESIGN: Method - Headwalls are designed as retaining walls according to current AASHTO working stress procedures.

MATERIALS: Concrete - All concrete shall be Class A. All exposed edges shall be 20 mm chamfered. Reinforcing Steel - Reinforcement shall be Grade 400. Bar spacing dimensions are to bar centers. Steel required for lap splices not detailed shall not be measured for payment. Reinforcing steel shall have 50 mm cover unless otherwise specified.

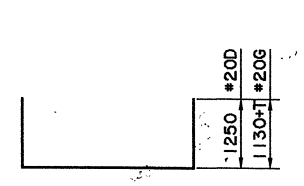
A 450mm square of geotextile fabric (see section 1019 of the LA DOTD Standard Specifications) shall be placed in contact with the concrete behind each weephole in addition to approx. 0.05 m^3 of concrete sand (see Section 1003.02 of the LA DOTD Standard Specifications). A 450mm wide geotextile fabric will also be placed in contact with the concrete along each contraction joint.

JOINTS: For details of all joints see Standard Plan CM-49M.

CONSTRUCTION. The headwall parapet and toe should be constructed monolithically with the barrel on cast-in-place RCB.



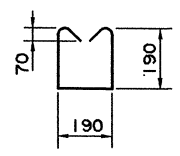
PLAN



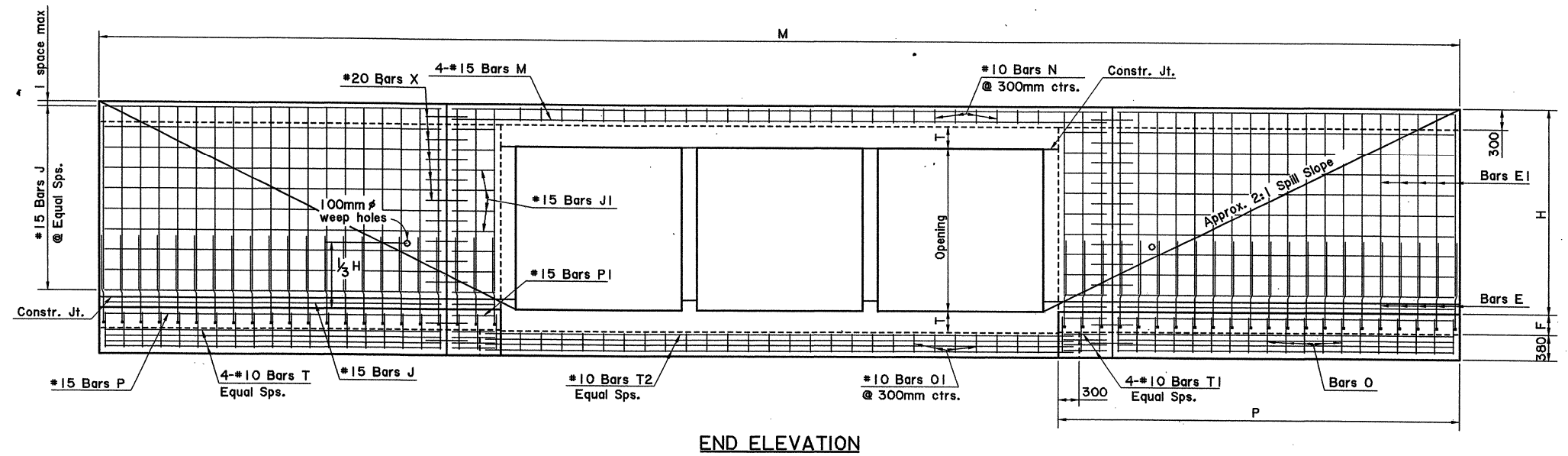
BARS D OR G

990	#15K and #15K1
240+F	Bars O
195	Bars O1
1100+F	#20E
1390+F	#25E

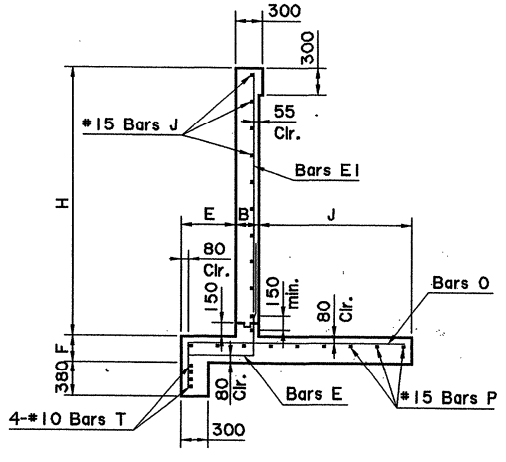
BARS K,K1,O,O1,E



BARS N
45mm Pin
135 deg. Hook



END ELEVATION



SECTION B-B

All dimensions are in millimeters (mm) unless otherwise noted.

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

STATE OF LOUISIANA

REINFORCED CONCRETE BOX CULVERTS
2100, 2400, 2700 & 3000 mm
MULTIPLE BARRELS - 90 DEGREE

STANDARD PLAN | RCB-90M2M

HYDRAULICS SECTION

DESIGNED BADEAUX ENG.
CHECKED
DETAILED T. BAKER SMITH
CHECKED
DATE 5-24-99
SHEET 1 OF 2

DATE	REVISION DESCRIPTION	BY	APPROVED

APPROVED BY CHIEF ENGINEER — Original Signed by Chief Engineer

11-MAY-1999 14:58

r:\dgn\metric\stdplans\rcb\rcb-90m2m.dgn