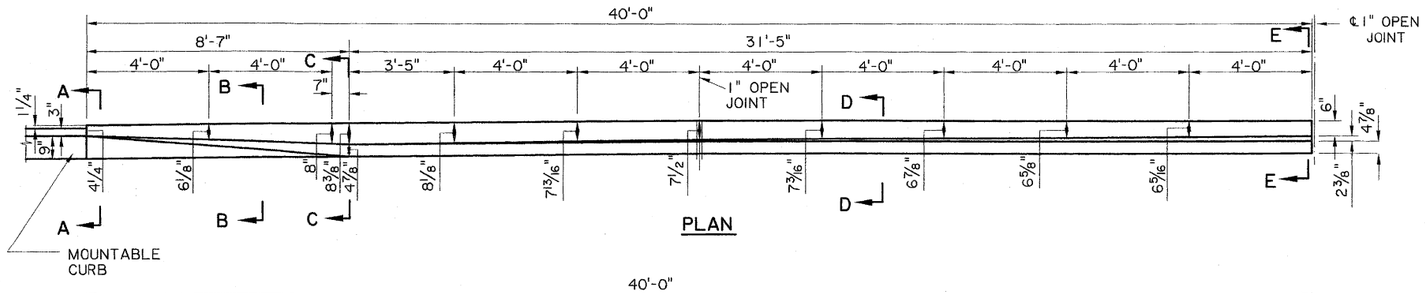
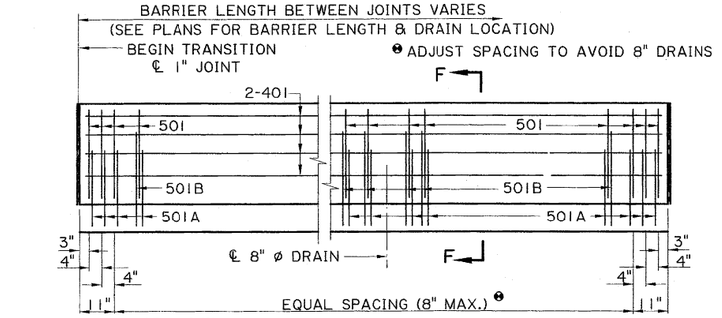
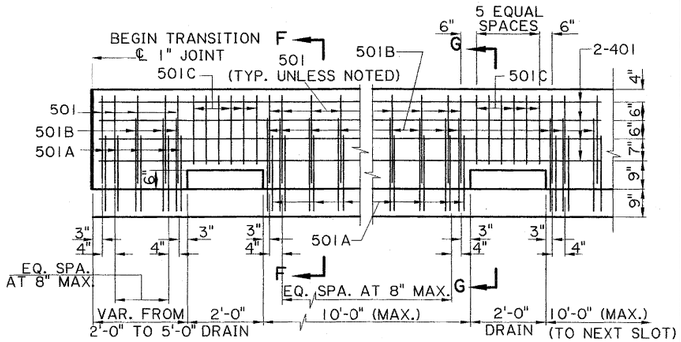
7/28/2018 09:56

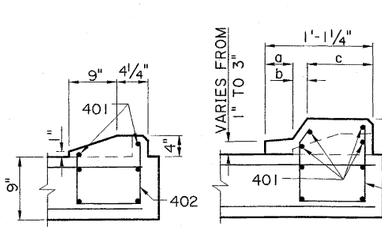


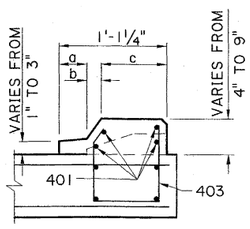

## STANDARD BARRIER RAILING WITH 8" ø VERTICAL DRAINS



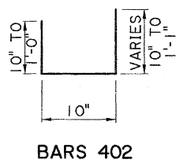

## BARRIER RAILING WITH HORIZONTAL DRAIN SLOTS



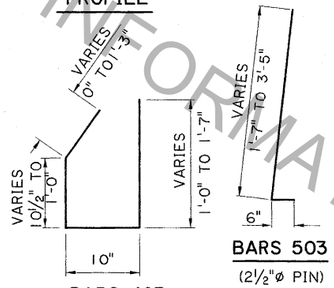

SECTION A-A




SECTION B-B
(FROM A TO C)



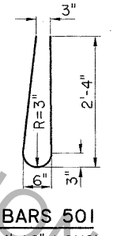

BARS 402
(2"ø PIN)



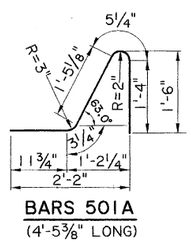

BARS 403
(2"ø PIN)



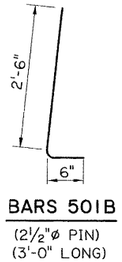

BARS 503
(2½"ø PIN)




BARS 501
(4'-10" LONG)

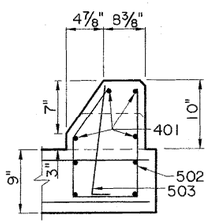



BARS 501A
(4'-5⅜" LONG)

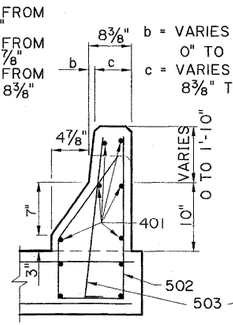



BARS 501B
(2½"ø PIN)
(3'-0" LONG)

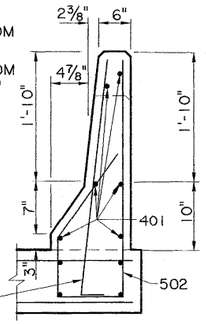
a = VARIES FROM 9" TO 0"
b = VARIES FROM 0" TO 4⅞"
c = VARIES FROM 4¼" TO 8⅜"



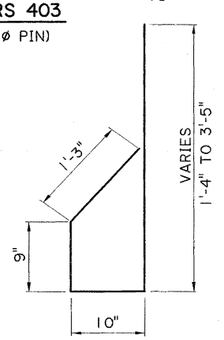

SECTION C-C



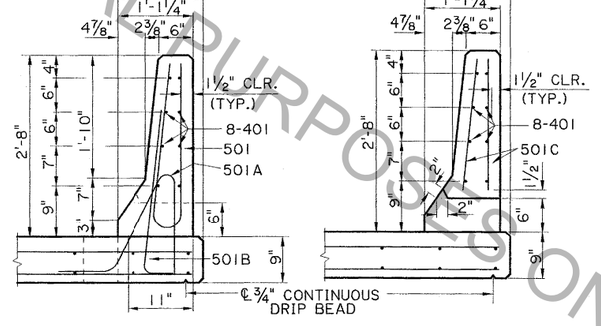

SECTION D-D
(FROM C TO E)




SECTION E-E



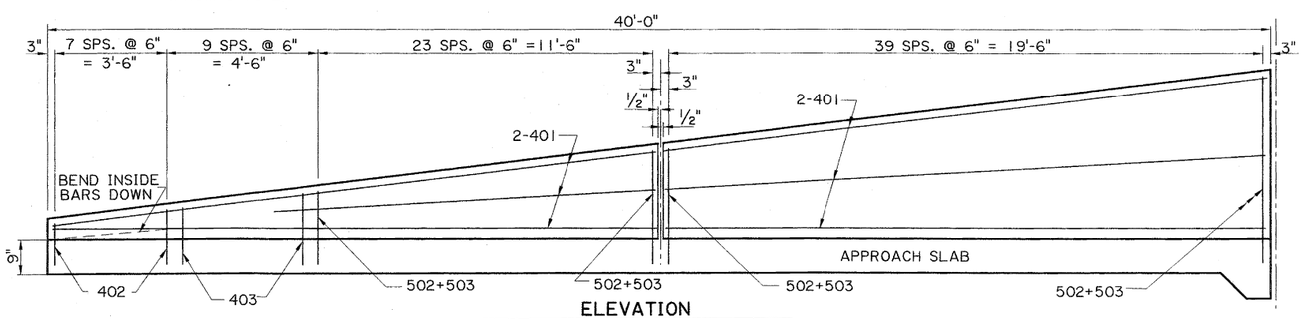

BARS 502
(2½" ø PIN)



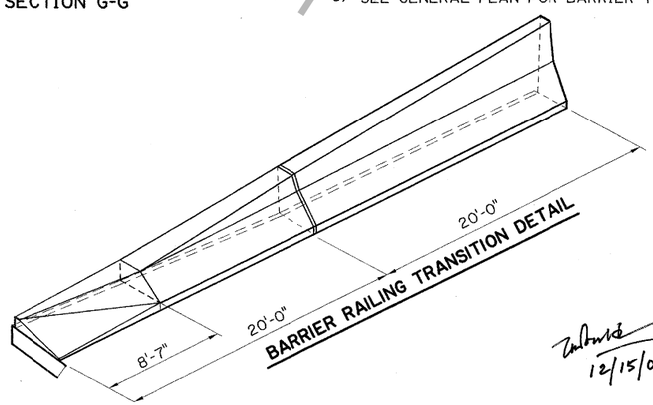

F-SHAPE BARRIER RAILING
SECTION F-F




F-SHAPE BARRIER RAILING
SECTION G-G




ELEVATION
(SHOWING REINFORCING STEEL)
(NTS)




## NOTES:

1) CONCRETE TO BE CLASS A I AND REINFORCING STEEL TO BE GRADE 60. REINFORCING STEEL DIMENSIONS SHOWN ARE BASED ON 9" THICK SLAB UNDER BARRIER. ADJUSTMENTS MUST BE MADE FOR DECKS WITH OTHER VALUES.
2) WHEN EPOXY COATED OR GALVANIZED REINFORCING STEEL IS REQUIRED IN THE CONCRETE DECK, LONGITUDINAL BARS AND STIRRUPS IN THE BARRIER RAIL FACE (ROADWAY SIDE) SHALL HAVE THE SAME PROTECTION. ALL BARRIER RAIL SURFACES ARE TO RECEIVE A CLASS 3 SPECIAL SURFACE FINISH.
3) 1" OPEN JOINT TYPICAL. SAW CUTTING OF THE OPEN JOINT IS PERMITTED PROVIDED 1½" MIN. CLEARANCE IS MAINTAINED FOR REINFORCING STEEL AND SUBJECT TO APPROVAL OF THE ENGINEER.
4) ALL CONCRETE AND STEEL IN BARRIER RAILING AND BARRIER RAILING TRANSITION INCLUDING BARS THAT PROJECT FROM THE DECK INTO THE RAILING TO BE PAID FOR UNDER ITEM 810-01-00100 CONCRETE BRIDGE RAILING (STANDARD) OR 810-01-00200 CONCRETE BRIDGE RAILING (SLOTTED), PER LINEAR FOOT.
5) SEE GENERAL PLAN FOR BARRIER TYPE.

STATE OF LOUISIANA
TRINH T. LE
REG. No. 25173
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
12/15/08

FOR INFORMATIONAL PURPOSES ONLY

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

DESIGNED T.LE | DETAILED G. GRASS | CHECKED J. PELTIER | CHECKED J. PELTIER | DATE DEC.2008 | SHEET

| NO. | DATE | BY | REVISION DESCRIPTION |
|---|---|---|---|
| | 07/18/16 | CWG | 2016 SPECIFICATIONS UPDATE |

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

BRIDGE AND STRUCTURAL DESIGN

# BARRIER RAILING DETAILS
(LOW SPEED URBAN TRANSITION)

BD.2.6.1.14.03 - (BR-03)

IP_PWP:d0633424\BR03-(LRFD).DGN