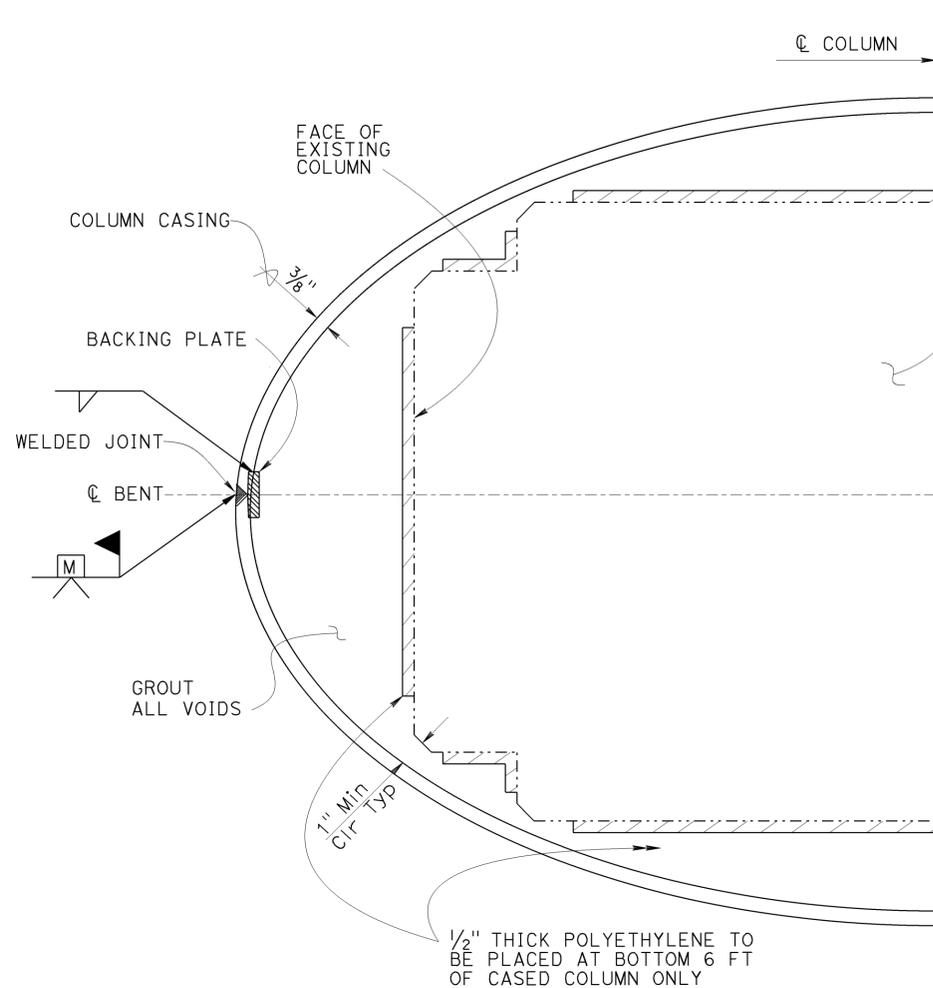
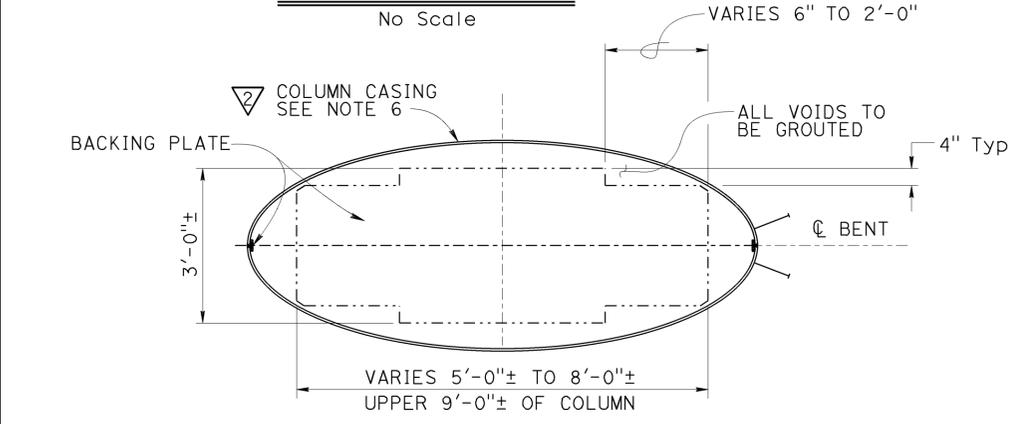


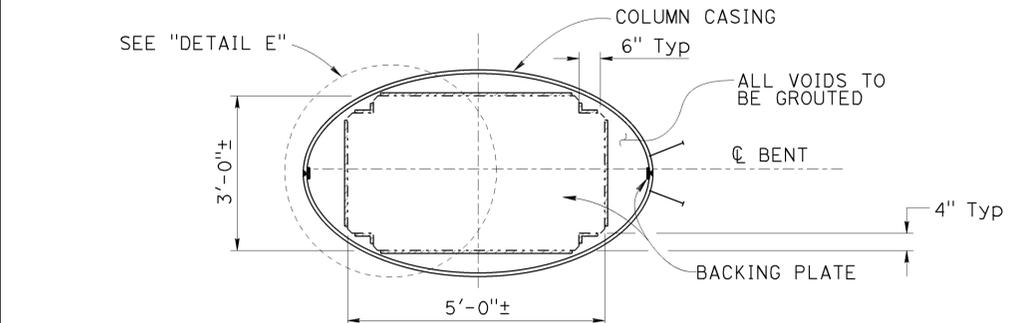
PART ELEVATION
No Scale



DETAIL E
No Scale



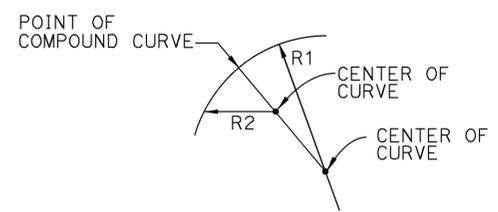
SECTION C-C
3/8" = 1'-0"



SECTION D-D
3/8" = 1'-0"

NOTE:
VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

REVISED PER ADDENDUM No. 2 DATED NOVEMBER 3, 2014



ELLIPTICAL CASING DETAIL

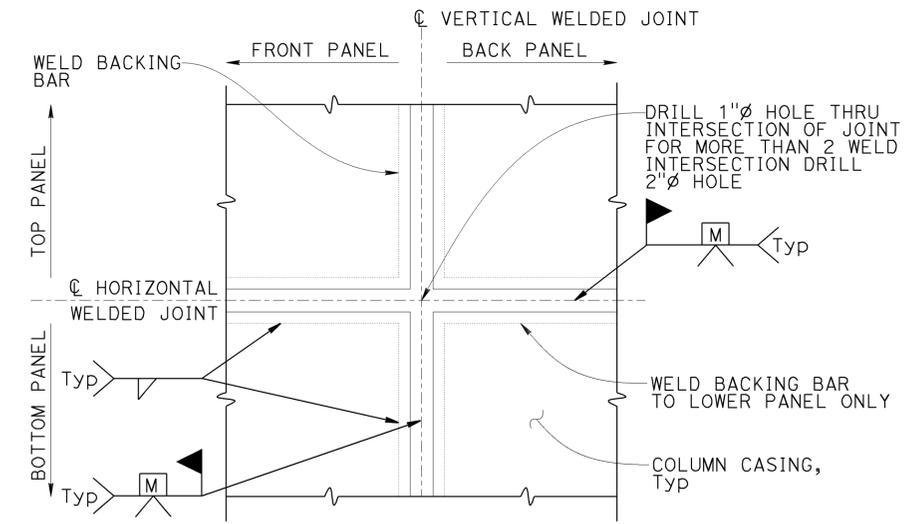
RADII R1 AND R2 TO BE DETERMINED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER

LEGEND:
 ----- Indicates Existing Structure
 _____ Indicates New Construction

BENT DATA TABLE *

BENT NO.	APPROX. CASING HEIGHT "H" (ft)	SUPERSTRUCTURE SOFFIT Elev. (ft)	TOP OF PILE CAP Elev. (ft)
LEFT COLUMN	17.1	73.52	56
CENTER COLUMN	17.9	74.36	56
RIGHT COLUMN	17.7	74.10	56

* Elevations and dimensions are approximate and as per As-Built Plans.

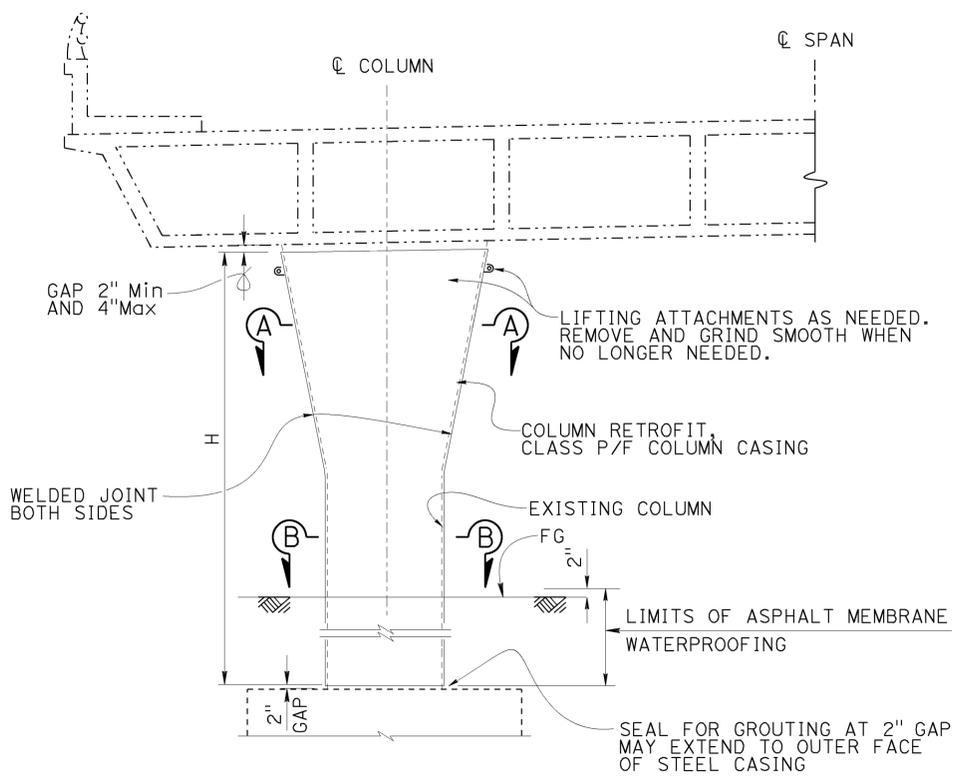


(TWO WELD INTERSECTION JOINT) WELDED JOINT DETAIL

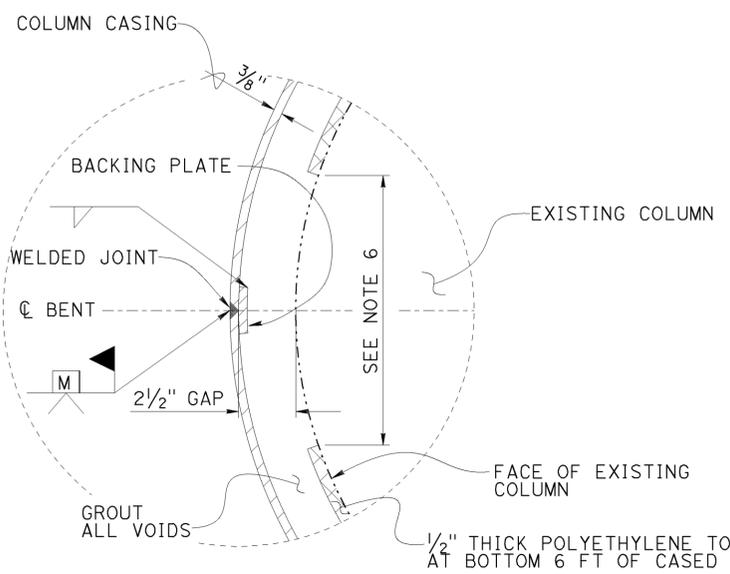
1 1/2" = 1'-0"

- NOTES:**
- All exterior welds to be ground flush with surface.
 - Appropriate injection nozzles to be provided on casing, but removed and ground flush following completion of grouting operation.
 - All voids between steel casing and column to be pressure grouted from bottom to top.
 - All grouting must be performed in two stages for all columns. Location and number of welds to be determined by the Contractor, and subject to approval by the Engineer. No skip welds allowed.
 - At contractors option column casing in flared region of PCC column may be constructed with straight taper sections.

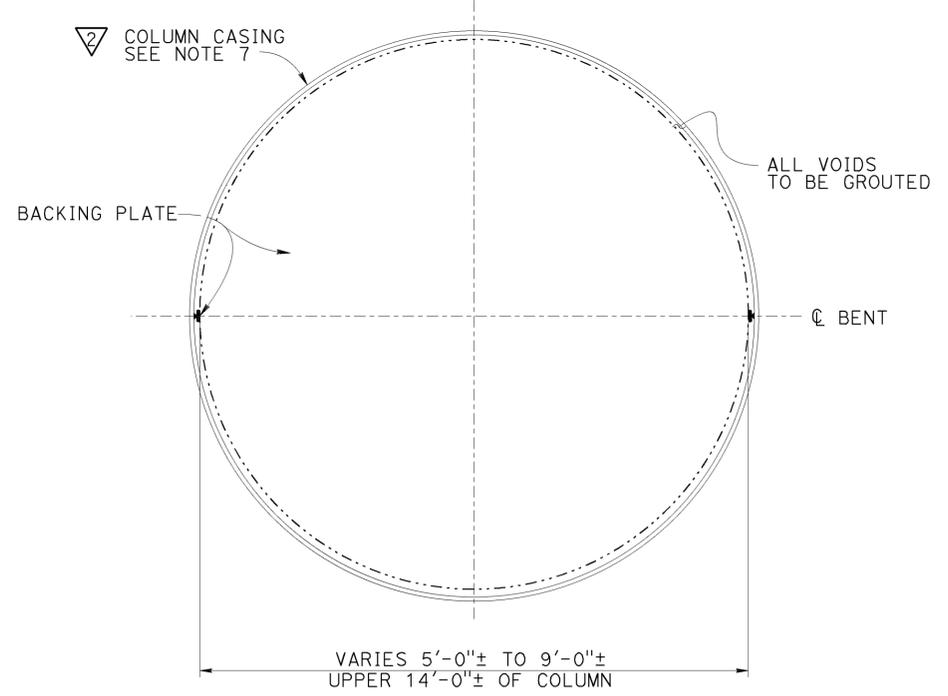
DESIGN	BY J. Higuera	CHECKED A. Logus	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 15	BRIDGE NO.	VALLEY VIEW STREET OC RETROFIT COLUMN STEEL CASING DETAILS
DETAILS	BY L. Goldthwait	CHECKED A. Logus			55-0302	
QUANTITIES	BY J. Higuera	CHECKED A. Logus			0.85	



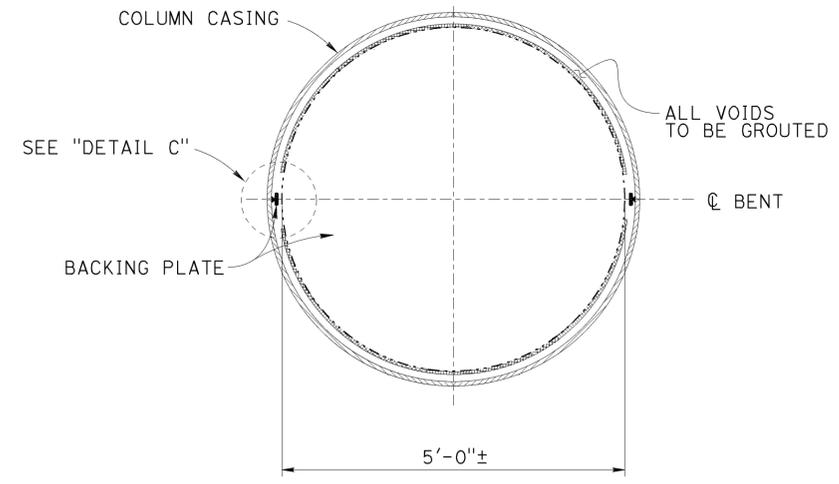
PART ELEVATION
1/4" = 1'-0"



DETAIL C
3" = 1'-0"



SECTION A-A
3/4" = 1'-0"

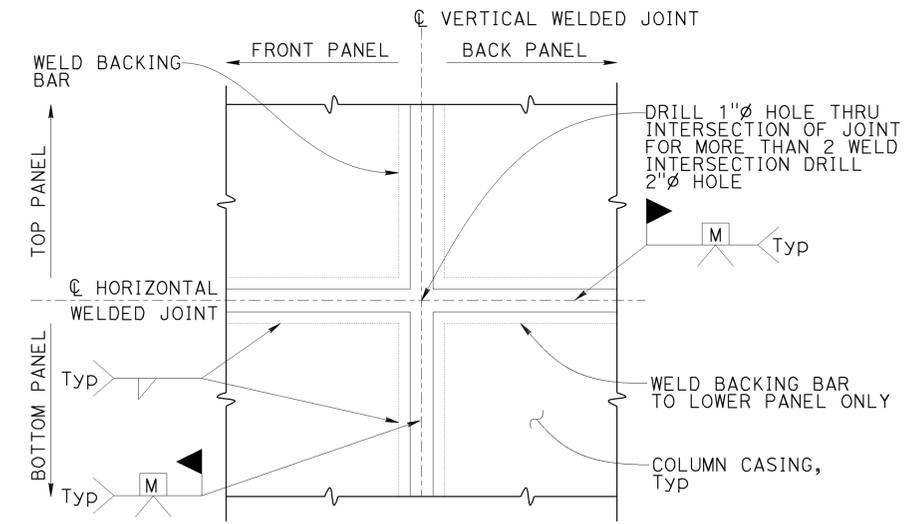


SECTION B-B
3/4" = 1'-0"

BENT DATA TABLE *

BENT NO.	APPROX. CASING HEIGHT "H" (ft)	SUPERSTRUCTURE SOFFIT Elev. (ft)	TOP OF PILE CAP Elev. (ft)
BENT 2	22.0	51.60	29.25
BENT 3	21.5	52.09	30.25
BENT 4	22.0	51.73	29.25

* Elevations and dimensions are approximate and as per As-Built Plans.



(TWO WELDED INTERSECTION JOINT) WELDED JOINT DETAIL
1 1/2" = 1'-0"

- NOTES:
- All exterior welds to be ground flush with surface.
 - Appropriate injection nozzles to be provided on casing, but removed and ground flush following completion of grouting operation.
 - All voids between steel casing and column to be pressure grouted from bottom to top.
 - All grouting must be performed in two stages for all columns.
 - Location and number of welds to be determined by the Contractor, and subject to approval by the Engineer. No skip welds allowed.
 - Contractor shall remove 12" polyethylene strip behind backing plate.
 - At contractors option column casing in flared region of PCC column may be constructed with straight taper sections.

NOTE:
VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

REVISED PER ADDENDUM No. 2 DATED NOVEMBER 3, 2014

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	91,405	Var	110	110

José L. Higuera 3-28-14
 REGISTERED CIVIL ENGINEER DATE
 06-16-14
 PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

LEGEND:

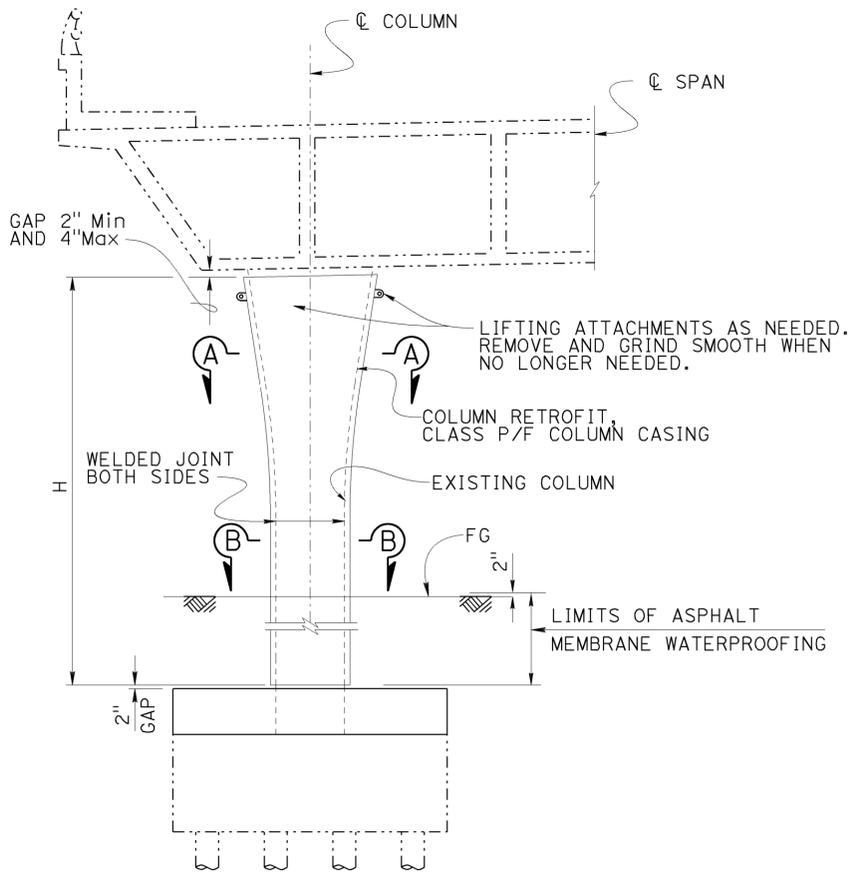
----- Indicates Existing Structure

————— Indicates New Construction

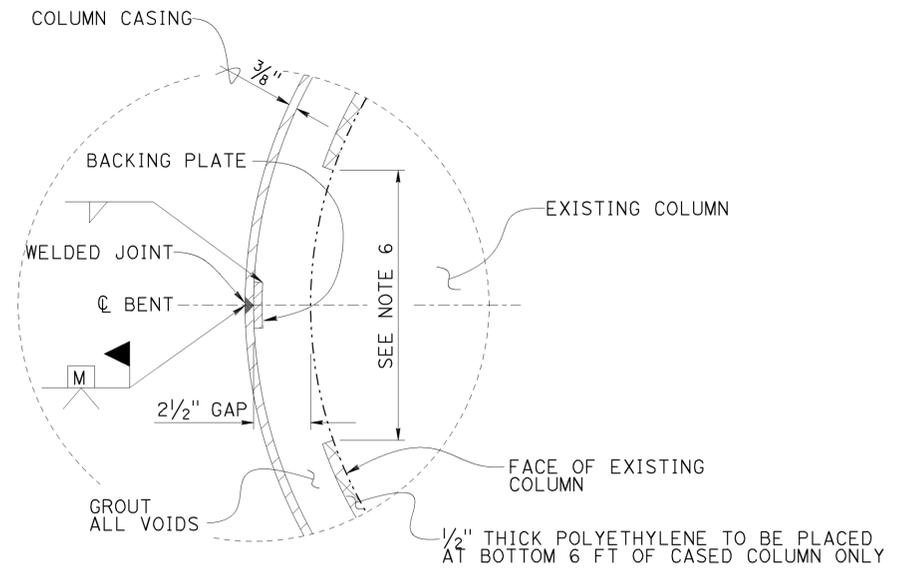
BENT DATA TABLE *

BENT NO.	APPROX. CASING HEIGHT "H" (ft)	SUPERSTRUCTURE SOFFIT Elev. (ft)	TOP OF PILE CAP Elev. (ft)
BENT 2	19.25	55.0	35.75
BENT 3	19.15	54.9	35.75
BENT 4	18.35	54.1	35.75

* Elevations and dimensions are approximate and as per As-Built Plans.

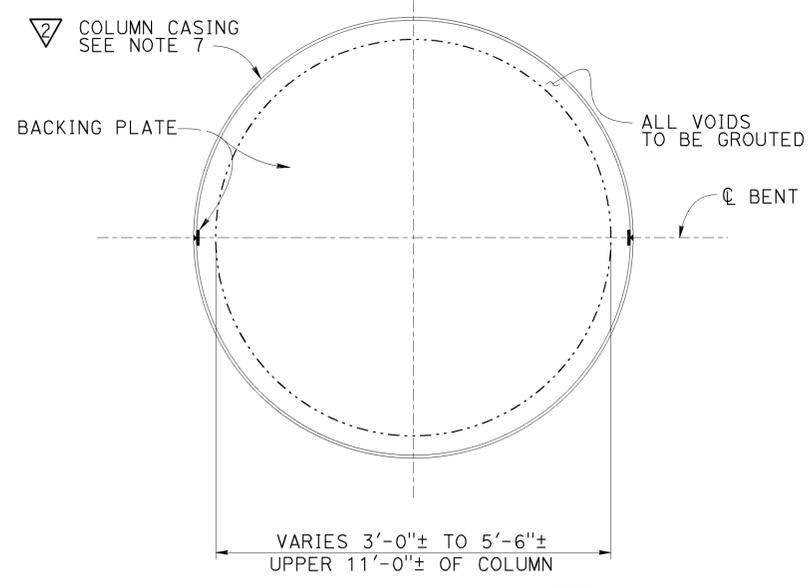


PART ELEVATION
1/4" = 1'-0"

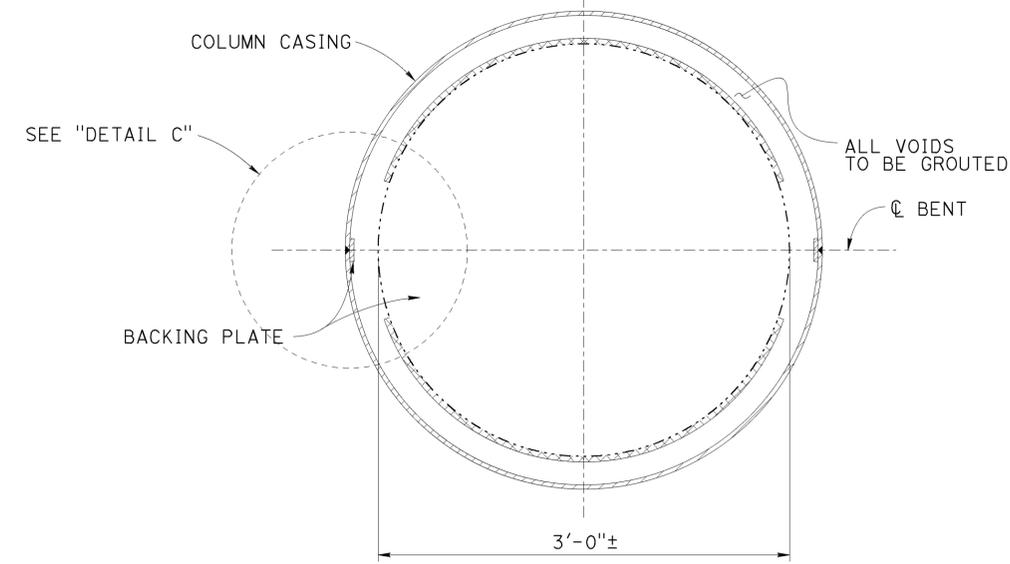


DETAIL C
3" = 1'-0"

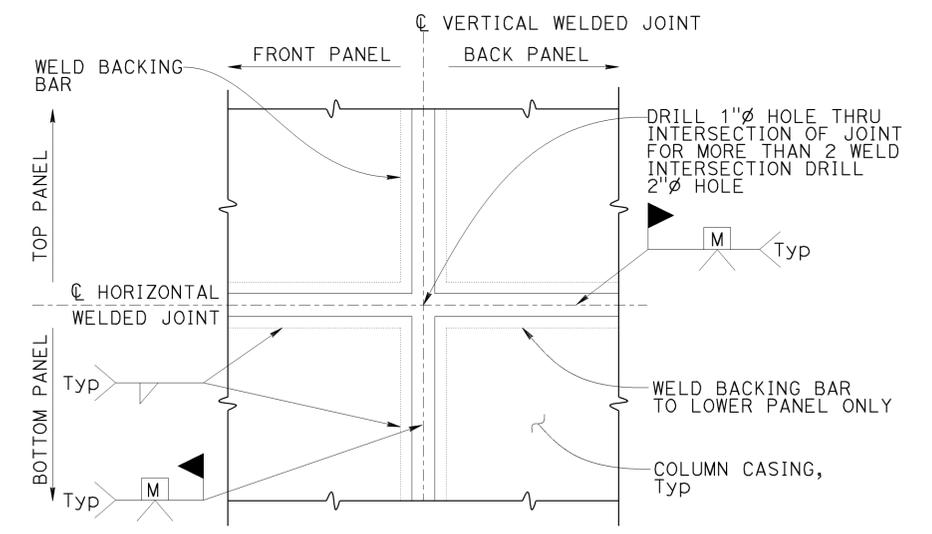
REVISD PER ADDENDUM No. 2 DATED NOVEMBER 3, 2014



SECTION A-A
1" = 1'-0"



SECTION B-B
1/2" = 1'-0"



(TWO WELDED INTERSECTION JOINT) WELDED JOINT DETAIL
1/2" = 1'-0"

- NOTES:**
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DESIGN	BY J. Higuera	CHECKED A. Logus
DETAILS	BY H. Mauroschat	CHECKED A. Logus
QUANTITIES	BY J. Higuera	CHECKED A. Logus

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 15

BRIDGE NO.	55-0440L
POST MILE	7.8

MACARTHUR Blvd. OC RETROFIT
COLUMN STEEL CASING DETAILS