

### ARCH RIB ELEVATION

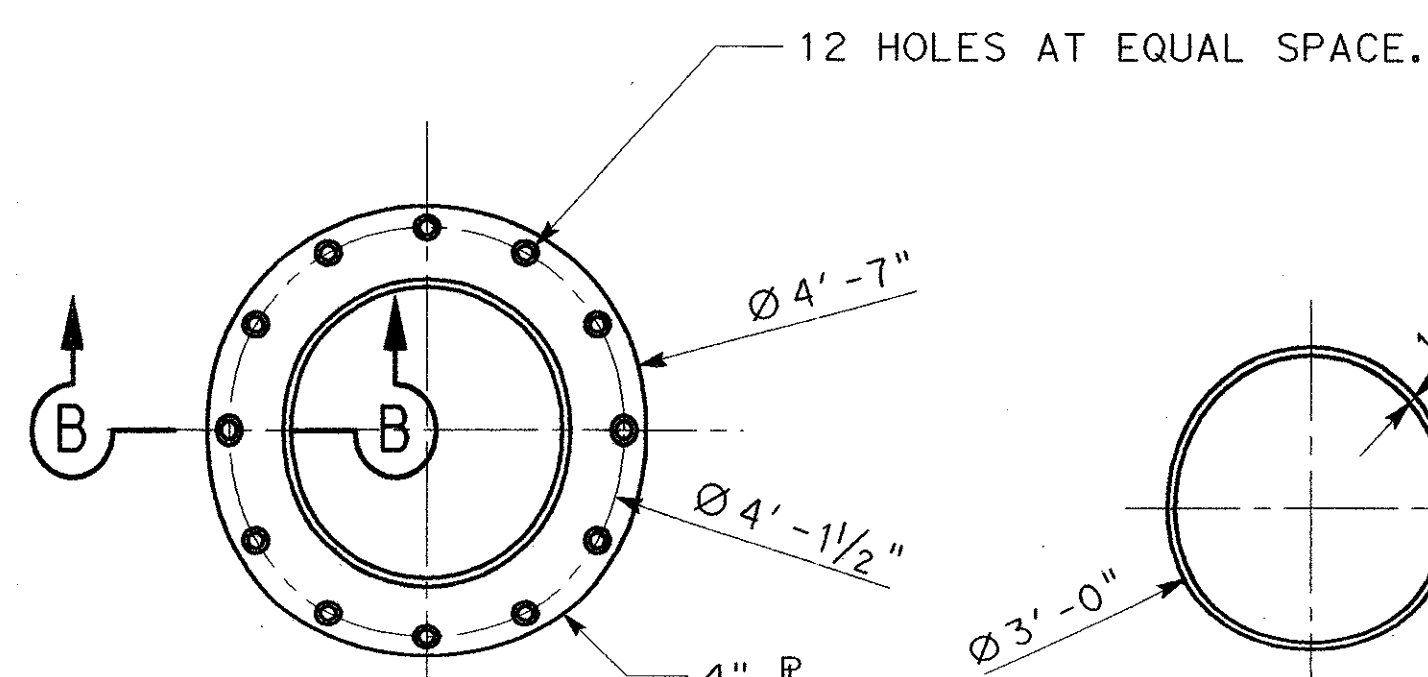
(FINAL GEOMETRY AFTER DEAD LOAD DEFLECTION)

TABLE OF ESTIMATED QUANTITIES *	
SPAN NUMBER	STRUCTURAL STEEL (LBS.)
9	175,000

\* BOTH ARCH RIBS

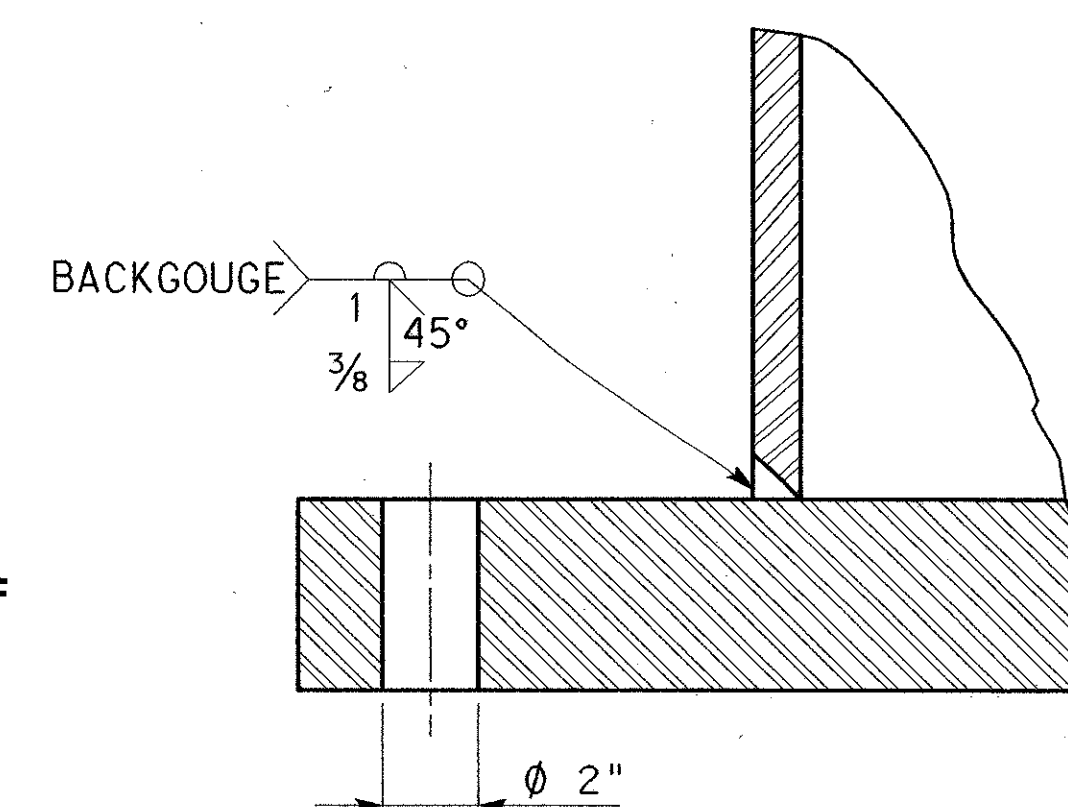
### NOTES

1. STEEL FOR THE ARCH RIB PIPE SHALL BE API 5L GRADE X52 PSL 2 PIPE.
2. ARCH RIB SHALL BE BENT BY INDUCTION BENDING. SEE THE SPECIFICATION FOR INDUCTION BENDING OF STRUCTURAL MEMBERS.
3. STEEL FOR THE OTHER ELEMENTS OF THE ARCH RIB SHALL BE ASTM A709 GRADE 50.
4. PAINT SYSTEM FOR STEEL ARCH RIB SHALL BE PROTECTION SYSTEM II. FOR LIMITS AND COLOR, SEE SURFACE FINISHES FOR STRUCTURES SHEET. THE PAINT SYSTEM SHALL CONFORM TO TXDOT STANDARD SPECIFICATION ITEM 446. THE INSIDE OF THE ARCH RIB SHALL RECEIVE PAINT AS PER TXDOT SPECIFICATION ITEM 441.9. THIS WORK SHALL BE PERFORMED IN THE SHOP.
5. ALL STRUCTURAL STEEL SHALL RECEIVE CHARPY V-NOTCH TESTING FOR TEMPERATURE ZONE I IN ACCORDANCE WITH ASTM A709.
6. THE CONTRACTOR SHALL SUBMIT AN ERECTION PLAN IN ACCORDANCE WITH TXDOT ITEM 441.3(2) FOR APPROVAL.
7. THE INSIDE OF THE ARCH RIB SHALL BE CLEANED BY THE CONTRACTOR, REMOVING ALL DIRT, TRASH, ETC.
8. SHOP ASSEMBLY OF THE ARCH RIBS PRIOR TO SHIPMENT IS REQUIRED TO ENSURE FIT UP.

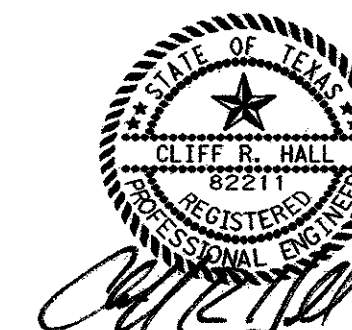


SECTION A-A

SECTION C-C



SECTION B-B



2/1/04 276

NO. DATE REVISION APPROV.

**URS** GREYSTONE CENTRE  
5010 LBJ FREEWAY, SUITE 1300  
DALLAS, TX 75234

ARAPAHO ROAD - PHASE III  
SURVEYOR BOULEVARD TO ADDISON ROAD

ARCH RIB DETAIL  
UNIT 4

TOWN OF ADDISON, TEXAS  
SHEET 1 OF 4

Design	Drawn	RUB	DATE	SCALE	PROJECT NO.	SHEET NO.
Check	Check		05-07-04	NONE	25768	BR-38