

Job Name: 25-2073 - Alcoa Outfall
Job Location: Newburgh, IN
Contractor: Bowen Engineering Corporation

PC: A. Chambers
TECH: J. Horsley
Plant: 100

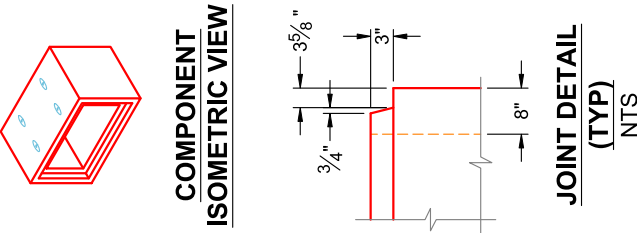


Structure ID: **BC 4 x 2 (PC 1)**
Spec: Box Culvert
Type: Box Culvert (08W/08F/08T) No Haunch
Size: 48" x 24"

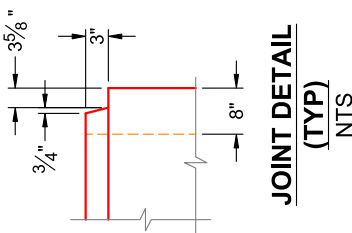
Rim: 3.25'
Invert: 3.25'
Rim to Invert: 0'

Sump: 0"
Floor (Top): 0"
Floor Height: 0"

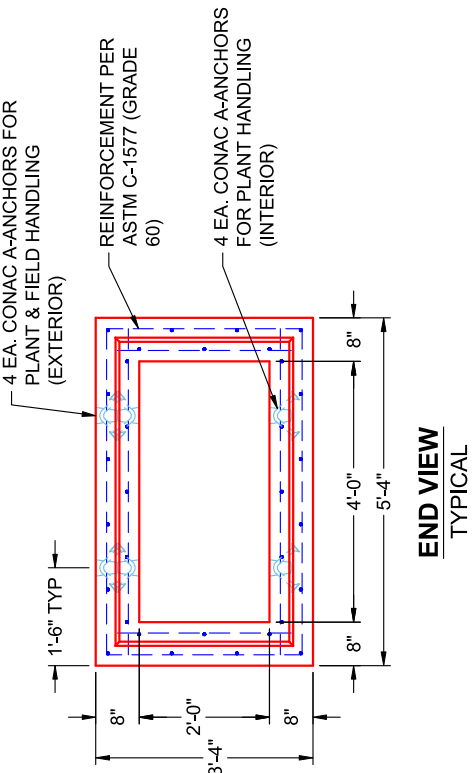
Floor (Bot): 0'
Overall Height: 3.25'
Slack: 0"



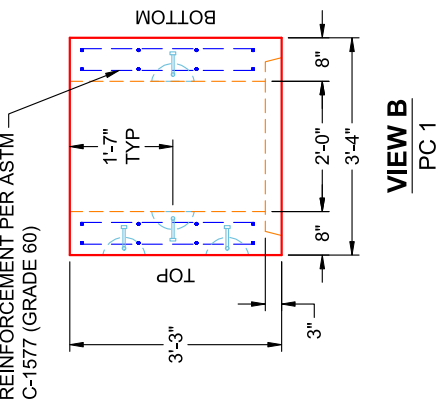
COMPONENT ISOMETRIC VIEW



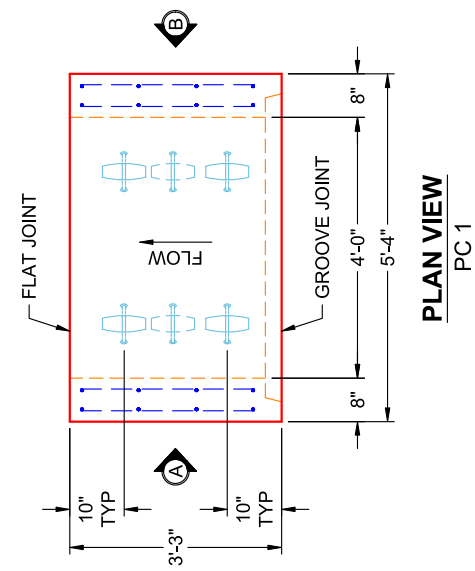
JOINT DETAIL (TYP) NTS



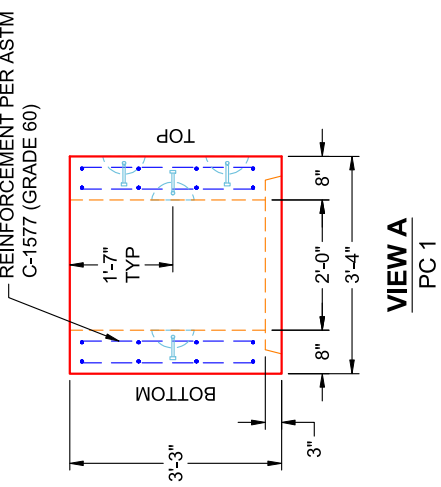
END VIEW TYPICAL



VIEW B PC 1



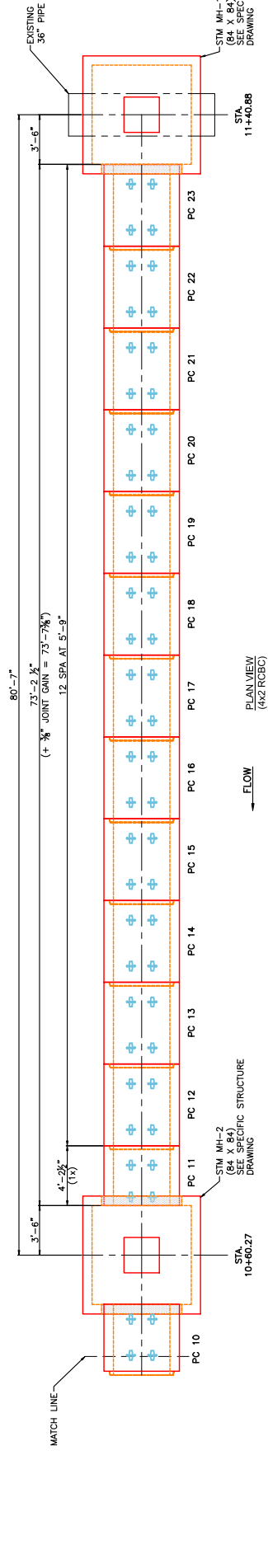
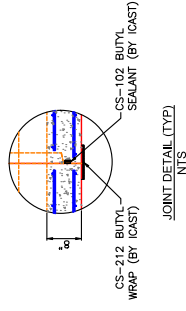
PLAN VIEW PC 1



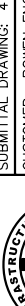
VIEW A PC 1

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-1577 & SECTION 714 OF INDOT STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE BOX STRUCTURES
2. LOAD REQUIREMENTS: HL93
3. REINFORCEMENT PER ASTM C-1577 (GRADE 60)
4. COVER DEPTH: 4'-8"
5. CONCRETE: 5,000 PSI AT 28 DAYS
6. JOINT SEALANT: 1" BUTYL MASTIC (CS-102) EXTERIOR JOINT WRAP: 12" WIDE (CS-212)
7. WEIGHT: 4' X 2' RCBC = 1,418 LBS / LF (3'-3" LONG SECTION = 4,609 LBS)



- NOTES:

SUBMITTAL DRAWING: 4 X 2 RCBC LAYING PLAN			
CUSTOMER: BOWEN ENGINEERING CORPORATION			
PROJECT: ALCOA OUTFALL			
STRUCTURE I.D.: BC 4 X 2			
QUOTE/ORDER NO: 25-2073			
CHECK: B. SMITH		DRAWN BY: J. HORSLEY	
DATE: 01/09/26		SCALE: NTS	
PG. 1 of 1			