

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

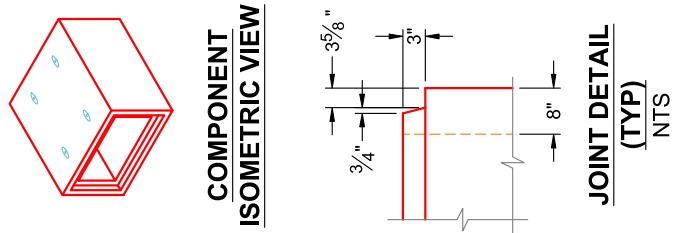
PC: A. Chambers
TECH: J. Horsley
Plant: 100



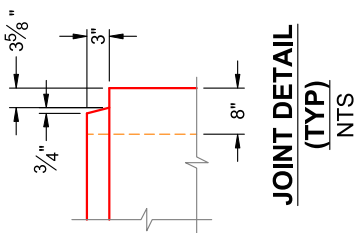
Structure ID: **BC 4 x 2 (PC 5)**

Spec: Box Culvert
Type: Box Culvert (08W/08F/08T) No Haunch
Size: 48" x 24"

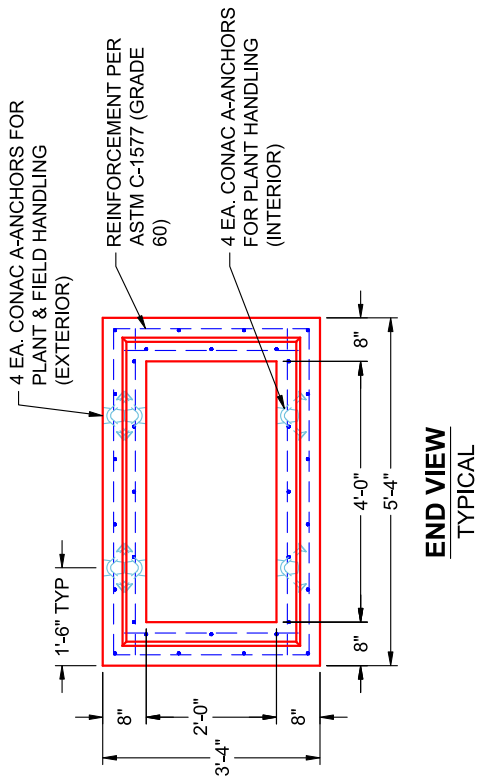
Rim: 5.75'
Invert: 5.75'
Rim to Invert: 0'
Sump: 0"
Floor (Top): 0"
Floor Height: 0"
Floor (Bot): 0"
Overall Height: 5.75'
Slack: 0"



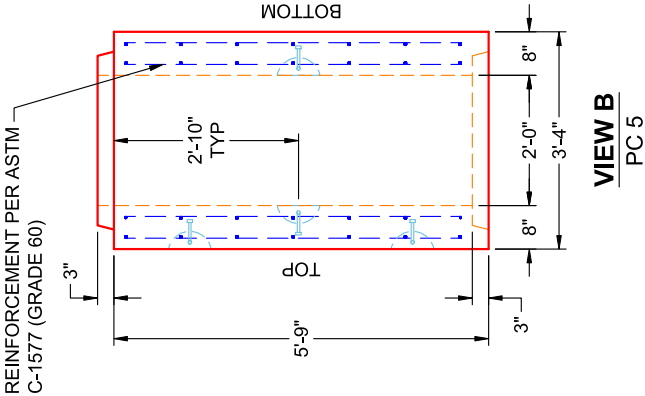
COMPONENT ISOMETRIC VIEW



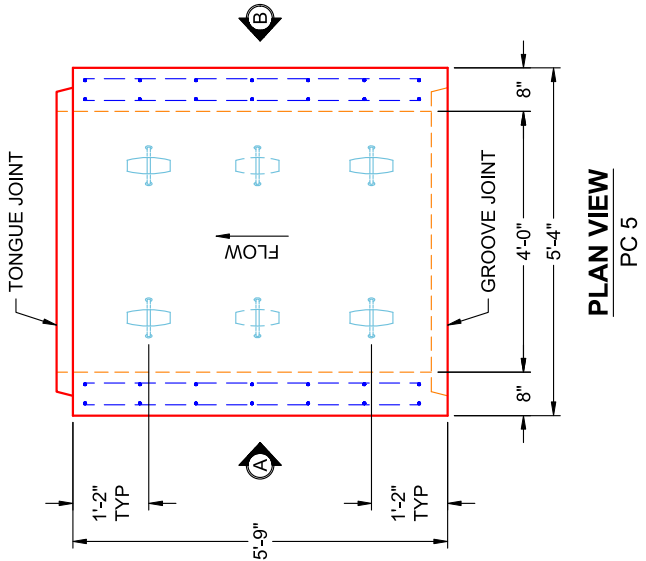
JOINT DETAIL (TYP) NTS



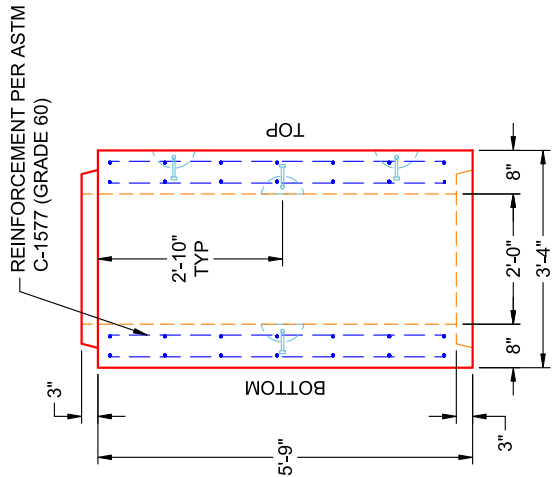
END VIEW TYPICAL



VIEW B PC 5



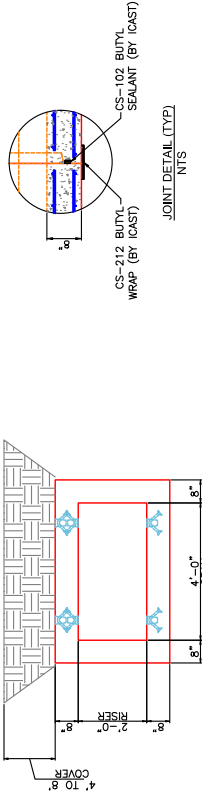
PLAN VIEW PC 5



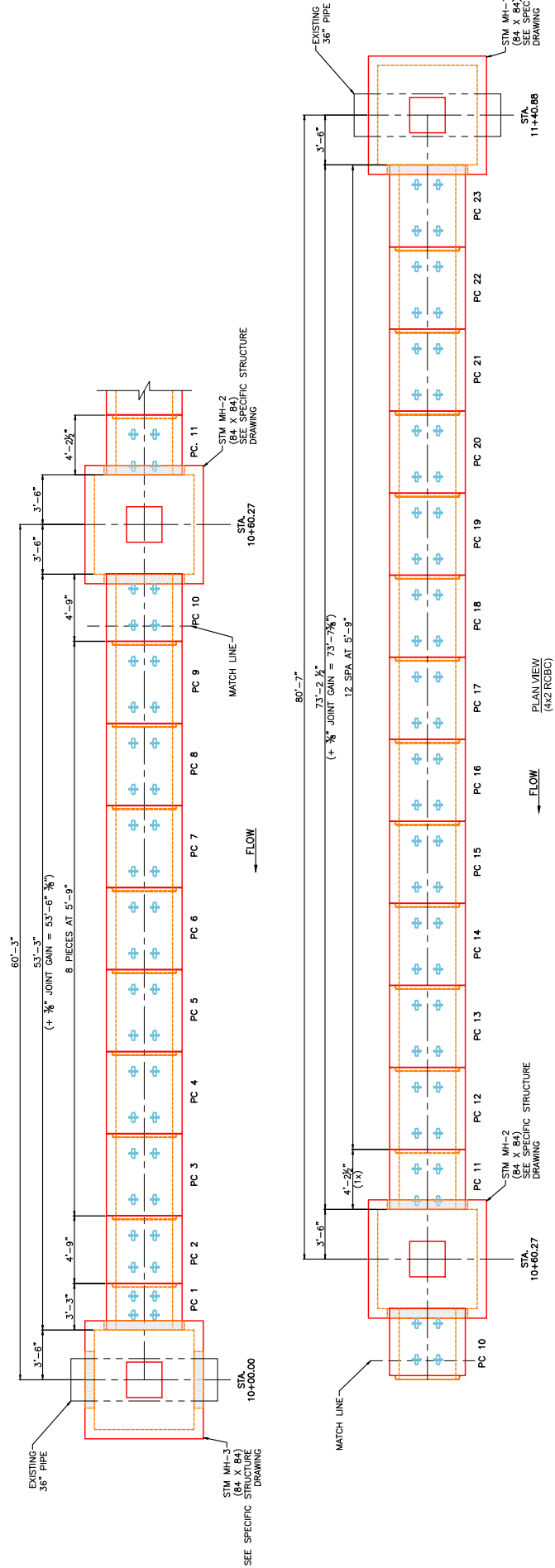
VIEW A PC 5

- 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 (5'-9" LONG SECTION = 8,152 LBS)

- NOTES:
1. BOX CULVERT IS DESIGNED PER ASTM C1577 & SECTION 714 OF THE INDOT STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE BOX STRUCTURES.
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TYP. COVER DETAIL
NTS



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

REVISIONS

REV. 1 11/11/22 ?

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