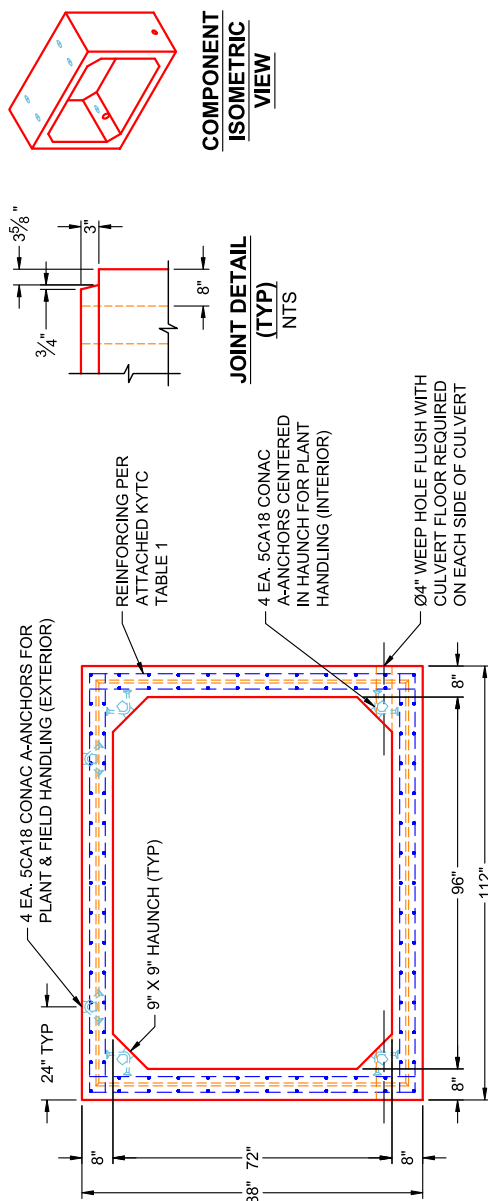




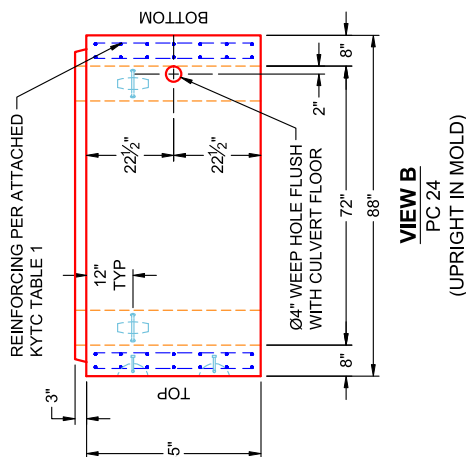
Structure ID: St. 43+62 (PC 24)

P1 BC096072-08WLF-9HC

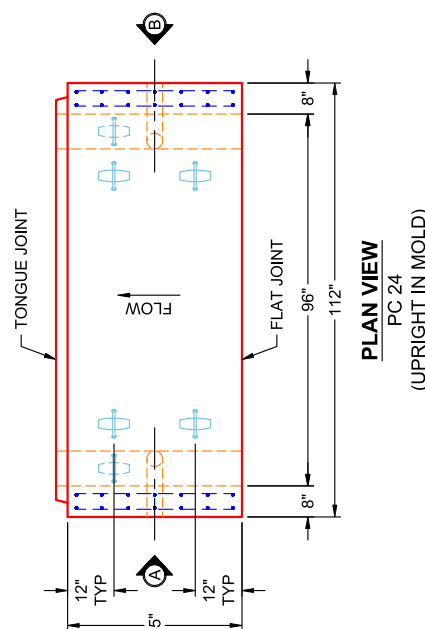
BOX CULVERT (08W/08F/08T) No Groove F/T



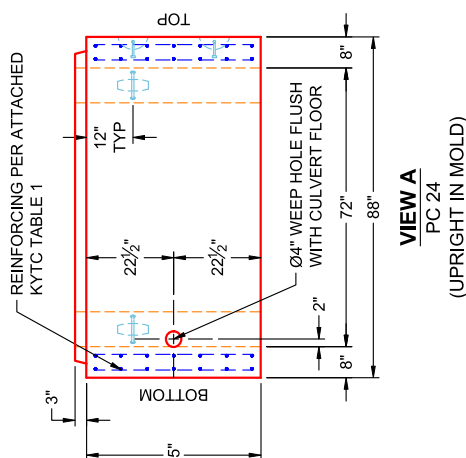
END VIEW
TYPICAL



VIEW B
PC 24
(UPRIGHT IN M)



PLAN VIEW
PC 24



VIEW A
PC 24
(UPRIGHT IN M)

GENERAL NOTES:

1. PER SECTION 605 OF KYTC STANDARD SPECS
FOR ROAD & BRIDGE CONSTRUCTION
-KYTC STAMP REQUIRED
-WEEP HOLES REQUIRED
2. LOAD REQUIREMENTS: KY-HL93 (KY TABLE 1)
3. REINFORCEMENT PER ATTACHED KYTC TABLE 1
4. COVER DEPTH: 10"
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: 8' X 6' RCBC = 3,138 LBS / LF
(3'-9" LONG SECTION = 11,788 LBS)

PRODUCTION WORK ORDER



PRODUCT I.D.: BC096072-08WLF-9H	DESCRIPTION: 96" X 72" X 45" BOX CULVERT (8" WALLS & 9" HAUNCH)		
PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: JIM SMITH CONTRACTING		
PLANT: BEAVER DAM, KY	PROJECT: KYTC MCCracken CO. CALL 200 (ID 241301)		
WEIGHT: 11,768 LBS	STRUCTURE: ST. 43+62 (PC 24)		
TOP SECTION JOINT: TONGUE	ORDER NO: 24-1643B		
BASE SECTION JOINT: FLAT	PE: J.H. ROSS	DRAWING: K. CARDWELL	
QC CHECK INITIALS:	DATE: 05/28/26	SCALE: NTS	PG. 1 OF 1

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- * <L1> is Splice Length
- * (AS7) is Top Slab Outside
- * (AS8) is Bottom Slab Outside
- * See Box Culvert Design Summary Sheet for transverse and distribution reinforcement, as required.
- * For sidewall thicknesses of 6 in. and above, extend AS2 and AS3 a min. of 4 in. beyond the inside face of the sidewall. For thicknesses less than 6 in., extend AS2 and AS3 at least to within 1-1/2 in. of the outside face of the sidewall.

Notes:

- 1) Other reinforcement schemes that provide the required reinforcement areas at all locations identified in the program output are acceptable.
- 2) Longitudinal reinforcement is not shown for clarity, see AASHTO M259 for longitudinal reinforcement and for additional requirements.

KY Table 1

Precast Culvert KYHL-93 Design Table

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x6x8	0<2	0.267	0.536	0.382	0.192	0.192	0.192	0.192	0.192
	2<3	0.266	0.458	0.382	0.192	0.192	0.192	0.192	0.192
	3-5	0.237	0.392	0.359	0.192	0.192	0.192		
	10	0.244	0.365	0.38	0.192	0.192	0.192		
	15	0.321	0.489	0.505	0.192	0.192	0.192		
	20	0.408	0.627	0.644	0.192	0.192	0.192		
	25	0.502	0.774	0.791	0.192	0.192	0.192		
	30	0.602	0.928	0.946	0.192	0.192	0.192		
	35	0.708	1.089	1.108	0.192	0.192	0.192		

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x7x8	0<2	0.245	0.557	0.403	0.192	0.192	0.192	0.197	0.192
	2<3	0.243	0.479	0.403	0.192	0.192	0.192	0.192	0.192
	3-5	0.215	0.409	0.378	0.192	0.192	0.192		
	10	0.225	0.378	0.396	0.192	0.192	0.192		
	15	0.295	0.507	0.526	0.192	0.192	0.192		
	20	0.374	0.651	0.671	0.192	0.192	0.192		
	25	0.459	0.804	0.825	0.192	0.192	0.192		
	30	0.549	0.965	0.987	0.192	0.192	0.192		
	35	0.644	1.134	1.157	0.192	0.192	0.192		

Design Earth Cover, ft		As1	As2	As3	As4	As7	As8	As5	As6
8x8x8	0<2	0.226	0.575	0.42	0.192	0.192	0.192	0.203	0.192
	2<3	0.224	0.494	0.42	0.192	0.192	0.192	0.192	0.192
	3-5	0.201	0.423	0.393	0.192	0.192	0.192		
	10	0.211	0.386	0.407	0.192	0.192	0.192		
	15	0.276	0.518	0.54	0.192	0.192	0.192		
	20	0.349	0.665	0.688	0.192	0.192	0.192		
	25	0.427	0.822	0.846	0.192	0.192	0.192		
	30	0.51	0.988	1.013	0.192	0.192	0.192		

