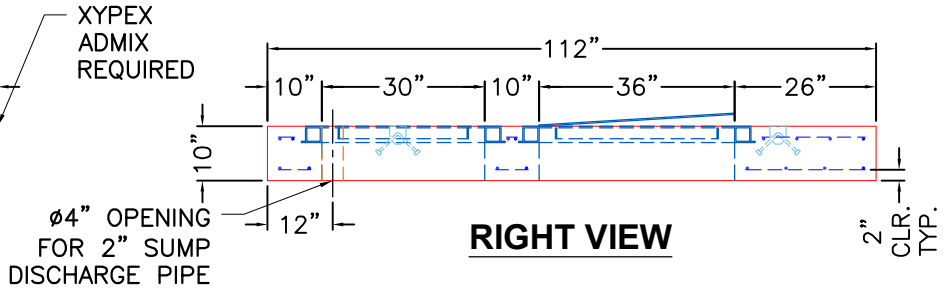
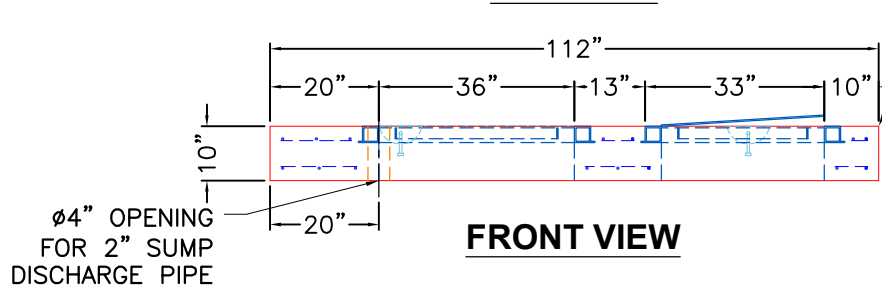



GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. XYPEX ADMIXTURE REQUIRED.
4. REINFORCING: PER REINFORCEMENT DESIGN PROVIDED BY MATT CHILDS ENGINEERING PER ASTM A615 (GRADE 60).
5. WEIGHT: 8,673 LBS
6. HATCHES: HALLIDAY H1W 36" X 36" HATCH AND HALLIDAY H1W 30" X 30" HATCH TO BE PROVIDED BY ICAST.
7. HATCHES TO BE CAST IN TOP SLAB.
8. TOP SLAB SHALL BE CROWNED OR SLOPED TO DRAIN, 1/4" PER FOOT.



		QUALITY CONTROL CHECKLIST <input type="checkbox"/> ALL DIMENSIONS CORRECT. <input type="checkbox"/> LIFTERS INSTALLED. <input type="checkbox"/> XYPEX ADMIXTURE USED. <input type="checkbox"/> REINFORCING CORRECT. <input type="checkbox"/> SURFACE QUALITY ACCEPTABLE. <input type="checkbox"/> EDGES CHAMFERED. <input type="checkbox"/> ALL PATCHWORK ACCEPTABLE.	PRODUCT I.D.: CTS-X PRODUCT VIEW: RIGHT SIDE UP PLANT: BEAVER DAM, KY. WEIGHT: 8,673 LBS. TOP SECTION JOINT: N/A BASE SECTION JOINT: N/A QC CHECK INITIALS:	DESCRIPTION: 112" X 112" X 10" THICK TOP SLAB W/ XYPEX CUSTOMER: CUMBERLAND VALLEY CONSTRUCTORS, INC. PROJECT: STONES RIVER WTP ISOLATION VALVE REPLACEMENT STRUCTURE: 96IN X 96IN VAULT ORDER NO: 25-1549 PC: J. JARVIS DATE: 9/8/25	DRAWING: J. COPPAGE SCALE: NTS PG. 1 of 1
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DESIGN NOTE:

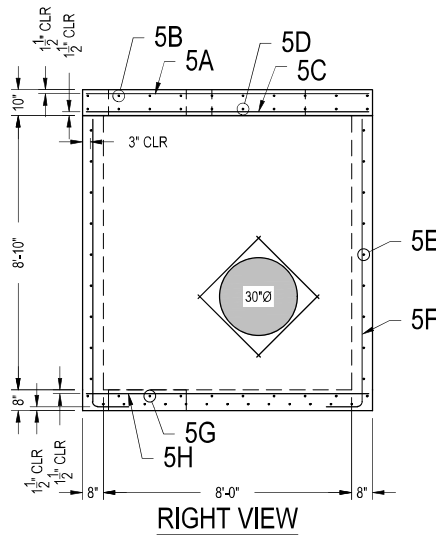
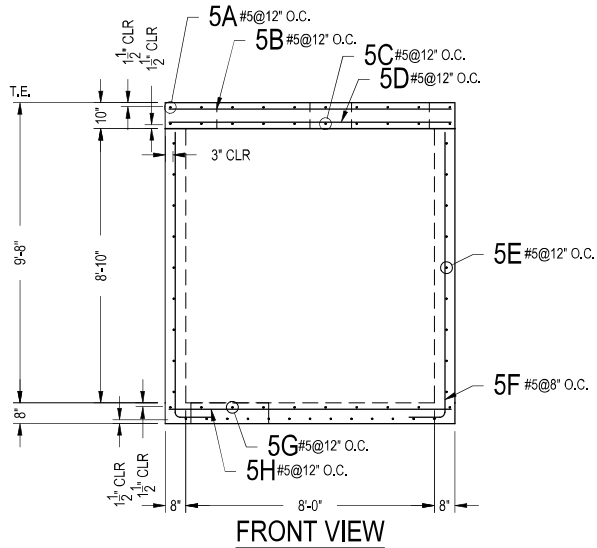
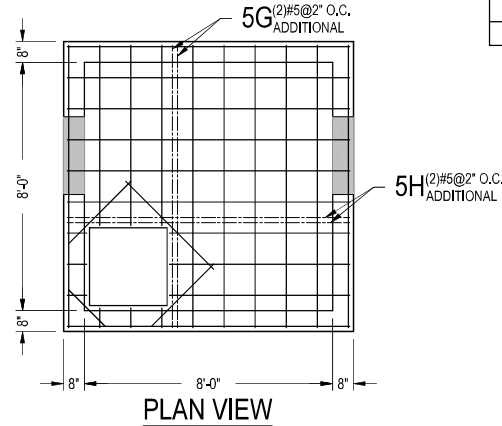
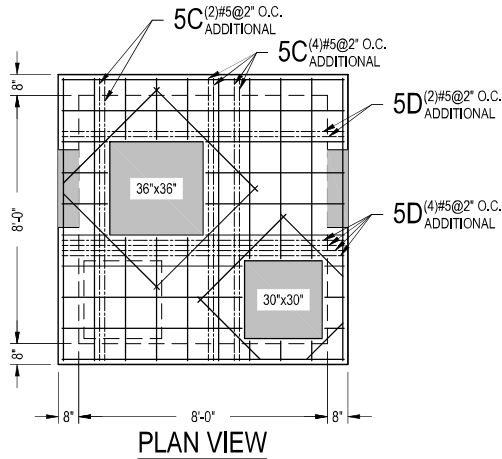
HS20 LOADING - ASTM C890
 CONCRETE 28 DAY COMPRESSIVE STRENGTH - 5000 PSI
 REINFORCEMENT STEEL - 60,000 PSI
 REBAR MIN SPLICE LENGTHS: #4-22" #5-28" #6-33"
 PLACE 4-#4 BAR DIAGONAL AROUND OPENING(S)

STEEL REINFORCEMENT SHOWN BELOW SHALL BE CUT AS REQUIRED FOR WALL PENETRATIONS AND PRECAST JOINT LOCATIONS.
 PLEASE NOTE: DUE TO PRECAST PRODUCTION CONSTRAINTS, NO REINFORCING WILL BE CONTINUOUS ACROSS PRECAST JOINTS.

**25-1549
 STONES RIVER WTP ISOLATION VALVE REPLACEMENT
 96IN X 96IN VAULT**

REINFORCING STEEL SCHEDULE

MARK	NO.	LENGTH	TYPE	lb/EA	TOTAL LB	BENDING DIAGRAM
5A	10	9'-1"	STR.	9.4739	94.7392	
5B	10	9'-1"	STR.	9.4739	94.7392	
5C	16	9'-1"	STR.	9.4739	151.5824	
5D	16	9'-1"	STR.	9.4739	151.5824	
5E	9	20'-0" (2)	BENT	20.86	375.48	
5F	52	10'-3"	BENT	10.6908	555.919	
5G	12	9'-2"	STR.	9.5608	114.7296	
5H	12	9'-2"	STR.	9.5608	114.7296	



VAULT
 8'-0" x 8'-0"
 INFRASTRUCTURE PRECAST
 STONES RIVER ISOLATION
 DATE: 9/12/25
 PAGE: 1 OF 1

REVISIONS
 DRAWN BY: MBJ
 SCALE: 1/4" = 1'
 A
 B
 C
 D

