

HALLIDAY 48" X 48"  
H2W HATCH CAST  
INTO TOP BY ICAST

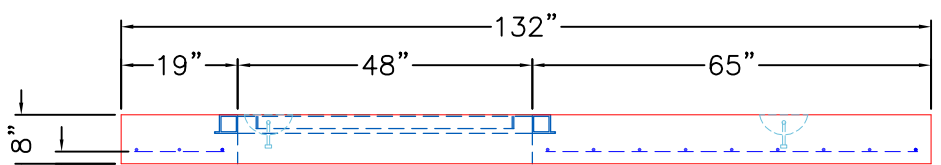
**PLAN VIEW**

**GENERAL NOTES:**

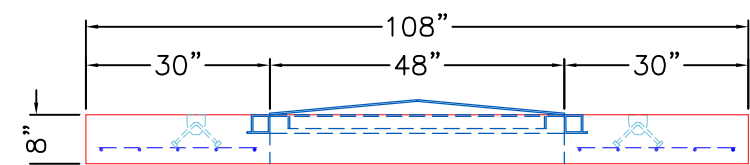
1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS.
3. REINFORCING: SEE REINFORCEMENT DESIGN PROVIDED BY MATT CHILDS ENGINEERING PER ASTM A615 (GRADE 60).
4. WEIGHT: 8,023 LBS
5. HALLIDAY 48" X 48" H2W HATCH PROVIDED BY ICAST.
6. HATCH TO BE CAST IN TOP SLAB.

BRUSH FINISH


4 EA. CONAC 5CA14 ANCHORS  
CAST IN AS SHOWN.



**FRONT VIEW**

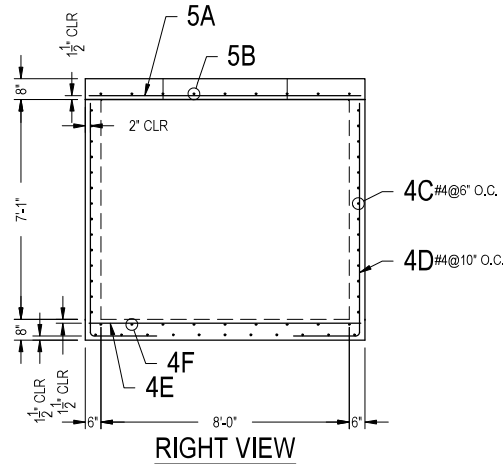
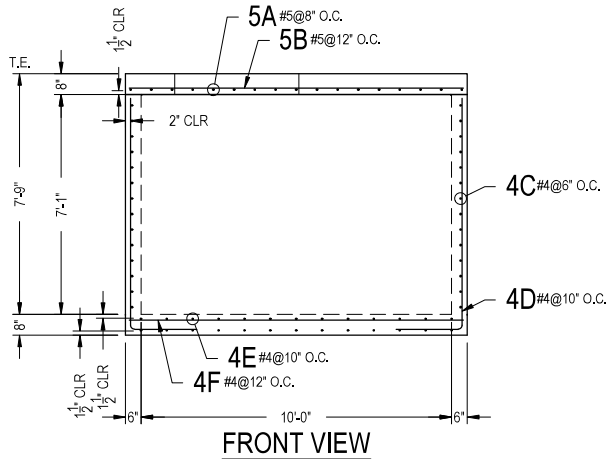
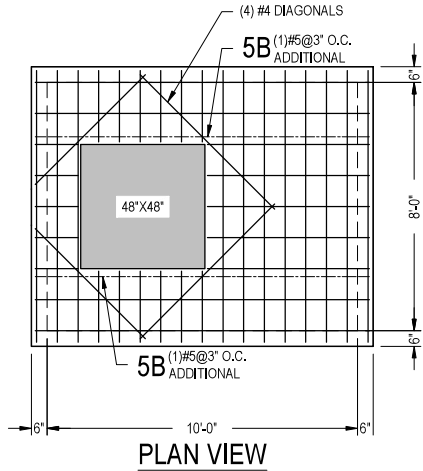


**RIGHT VIEW**

		<b>PRODUCTION WORK ORDER</b> QUALITY CONTROL CHECKLIST <input type="checkbox"/> ALL DIMENSIONS CORRECT. <input type="checkbox"/> LIFTERS INSTALLED. <input type="checkbox"/> HATCHES CORRECT LOCATION. <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.: BX096120-06LD08 PRODUCT VIEW: RIGHT SIDE UP PLANT: BEAVER DAM, KY. WEIGHT: 8,023 LBS. TOP SECTION JOINT: N/A BASE SECTION JOINT: N/A QC CHECK INITIALS:	DESCRIPTION: 108" X 132" TOP SLAB FOR 96" X 120" VAULT CUSTOMER: CLEARLY CONSTRUCTION PROJECT: WCWD FLOW FOR OUR FUTURE METER VAULTS STRUCTURE: FORCE MAIN CHECK VALVE VAULT ORDER NO: 25-1706 PE: C. GOFF DATE: 10/2/25	DRAWING: J. COPPAGE SCALE: NTS PG. 1 of 1
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**DESIGN NOTE:**

HS20 LOADING - ASTM C857  
 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)



**REINFORCING STEEL SCHEDULE**

MARK	NO.	LENGTH	TYPE	lb/EA.	TOTAL LB	BENDING DIAGRAM
5A	17	8'-9"	STR.	9.1263	155,1462	
5B	11	10'-9"	STR.	11.2123	123,3353	
4C	14	21'-1" (2)	BENT	14.0837	394,3427	
4D	48	9'-6"	BENT	6.346	304,608	
4E	13	8'-10"	STR.	5.9007	76,7087	
4F	9	10'-10"	STR.	7.2367	65,13	

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.

**25-1706  
 FORCE MAIN CHECK VALVE VAULT**

**FORCE MAIN CHECK  
 VALVE VAULT**



METER VAULTS  
 8'-0" x 10'-0"  
 CLEAR CONSTRUCTION  
 W/WD FLOW FOR FUTURE

DATE: 6/20/2025

REVISIONS

NO.	DATE	DESCRIPTION
A		
B		
C		
D		

DRAWN BY: MBJ  
 SCALE: 1/4" = 1'  
 11"x17"

PAGE: 1 OF 1