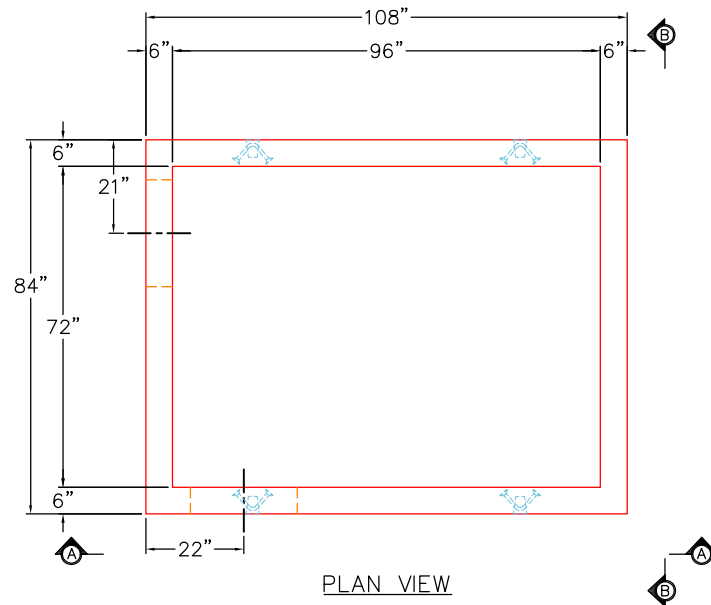
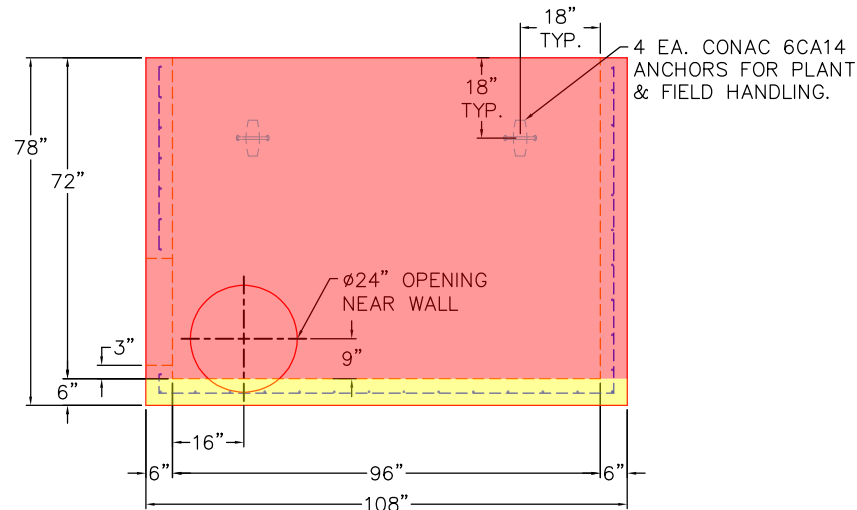




PLAN VIEW

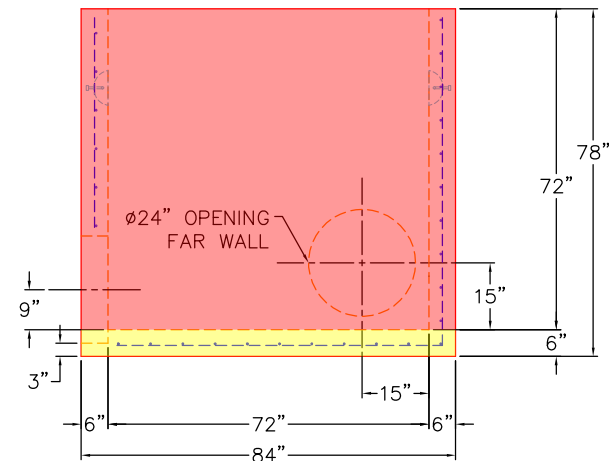


SECTION A-A

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: PER ASTM A615 (GRADE 60). AS PER CONTECH STORMFILTER DRAWINGS
4. WEIGHTS: TOTAL = 17,162 LBS
FIRST POUR WEIGHT = 4,568 LBS
SECOND POUR WEIGHT = 12,594 LBS
5. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST)
8. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
9. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
10. LIFT ANCHORS TO BE PLACED ON THE OUTSIDE OF THE STRUCTURE.

FIRST POUR DRAWING



SECTION B-B

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ OPENING CORRECT LOCATION.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT I.D.: BX7296-06W06-VF

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 17,162 LBS.

TOP SECTION JOINT: FLAT

BASE SECTION JOINT: N/A

QC CHECK INITIALS:

DESCRIPTION: 72" X 96" X 72" TALL VAULT

CUSTOMER: CONTECH ENGINEERING SOLUTIONS

PROJECT: 813399 MISTY CAPE COVE

STRUCTURE: WQU #2

ORDER NO: 26-3370

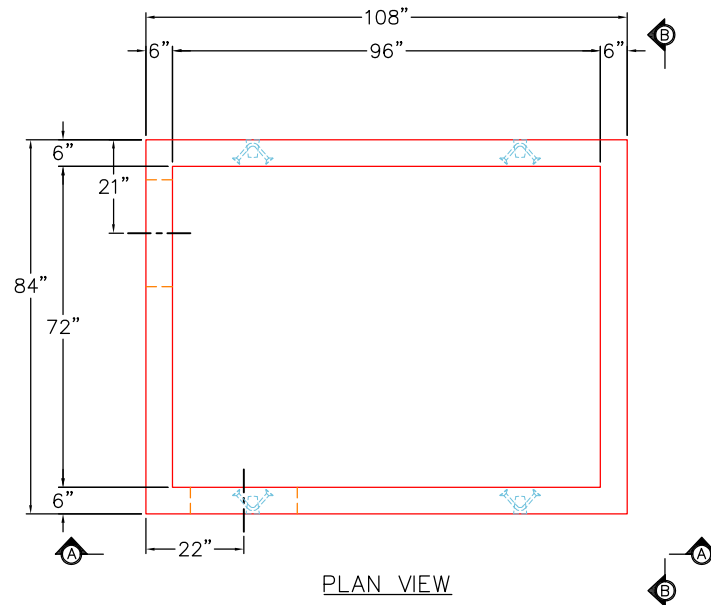
PC: C. GOFF

DRAWING: S. FELLETER

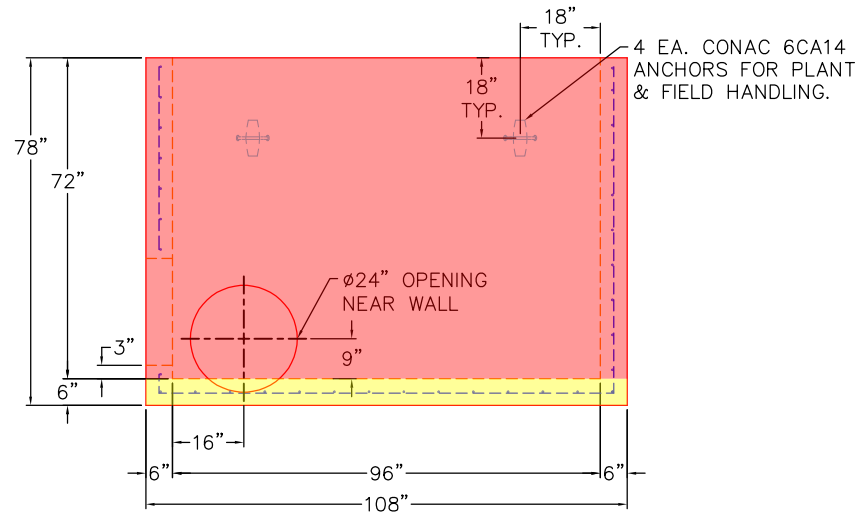
DATE: 08/18/26

SCALE: NTS

PG. 1 of 1



PLAN VIEW

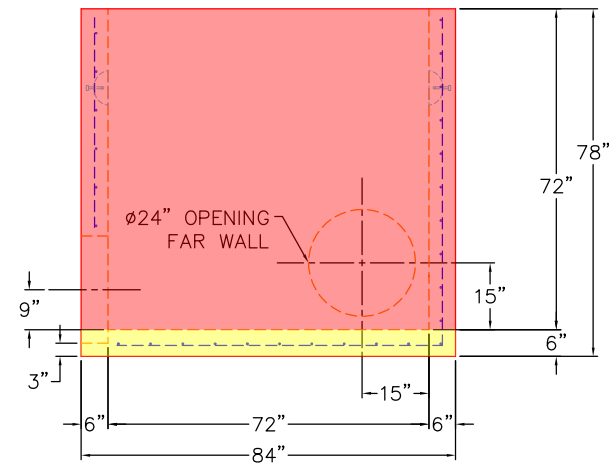


SECTION A-A

GENERAL NOTES:

1. MANUFACTURED TO ASTM C-913 (LATEST REVISION).
2. CONCRETE: 5,000 PSI AT 28 DAYS. CONCRETE.
3. REINFORCING: PER ASTM A615 (GRADE 60). AS PER CONTECH STORMFILTER DRAWINGS
4. **WEIGHTS: TOTAL = 17,162 LBS**
FIRST POUR WEIGHT = 4,568 LBS
SECOND POUR WEIGHT = 12,594 LBS
5. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST)
8. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
9. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
10. LIFT ANCHORS TO BE PLACED ON THE OUTSIDE OF THE STRUCTURE.

SECOND POUR DRAWING



SECTION B-B

PRODUCTION WORK ORDER



QUALITY CONTROL CHECKLIST

- ☐ ALL DIMENSIONS CORRECT.
- ☐ LIFTERS INSTALLED.
- ☐ OPENING CORRECT LOCATION.
- ☐ REINFORCING CORRECT.
- ☐ SURFACE QUALITY ACCEPTABLE.
- ☐ EDGES CHAMFERED.
- ☐ ALL PATCHWORK ACCEPTABLE.

PRODUCT I.D.: BX7296-06W06-VF

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 17,162 LBS.

TOP SECTION JOINT: FLAT

BASE SECTION JOINT: N/A

QC CHECK INITIALS:

DESCRIPTION: 72" X 96" X 72" TALL VAULT

CUSTOMER: CONTECH ENGINEERING SOLUTIONS

PROJECT: 813399 MISTY CAPE COVE

STRUCTURE: WQU #2

ORDER NO: 26-3370

PC: C. GOFF

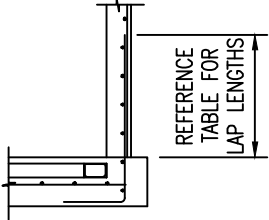
DRAWING: S. FELLETER

DATE: 08/18/26

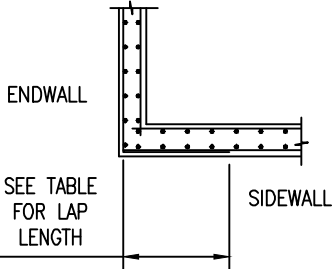
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PG. 1 of 1

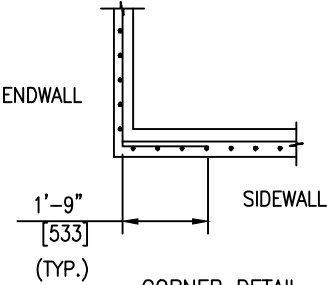
MINIMUM LAP	
BAR SIZE	LAP
#4[10M]	21"[535]
#5[15M]	26"[660]
#6[20M]	31"[790]
#7[25M]	36"[915]
#8[25M]	46"[1170]



ALTERNATE BASE DETAIL



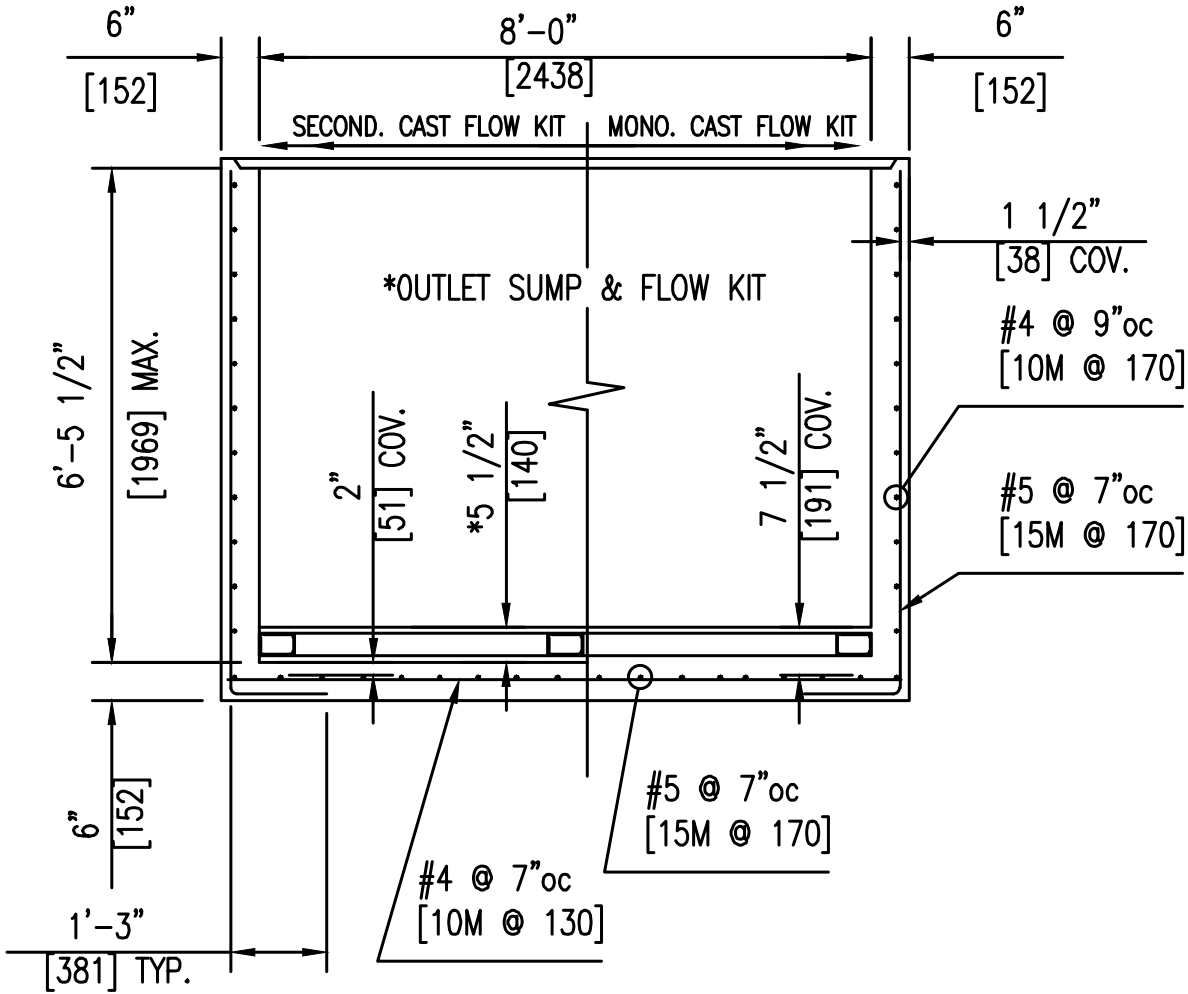
WALL CORNER DETAIL
(PLAN VIEW)
(DOUBLE MAT)



CORNER DETAIL
(PLAN VIEW)
(SINGLE MAT)

- NOTES:
- DESIGN LOAD = AASHTO HS20-44
 - CONCRETE STRENGTH = 5000psi
 - REINFORCING STEEL - GRADE 60
 - CHART BELOW SHOWS MAXIMUM DEPTH OF FILL FOR UNIT CLASS AT VARIOUS WATER TABLE DEPTHS. DRY INDICATED W/T BELOW UNIT. FILL DEPTHS GREATER THAN 10' SHALL REQUIRE SPECIAL DESIGN.
 - PIPE OPENINGS, SIZE AND LOCATION, AS REQUIRED. PROVIDE ADDITIONAL REINFORCING EQUAL TO THE BARS INTERRUPTED, 1/2 EACH SIDE. ADD #4 DIAGONAL TRIM BARS AROUND OPENINGS.
 - FULL HEIGHT MONO BASE UNIT MUST HAVE TOP SLAB IN PLACE PRIOR TO BACK FILLING.
 - BAR WEIGHTS AND DETAILS BASED ON VISUAL SHOWN.
 - SECONDARY CAST FLOW KIT SHALL BE IN PLACE PRIOR TO BACK FILLING.
 - THE OPENING SIZES AND LOCATIONS MAY VARY. FOR EXACT SIZES AND LOCATIONS SEE CONTECH PROJECT SPECIFIC DRAWINGS.

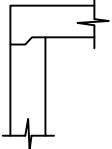
SECTION	0	3	6	9	DRY
FULL BASE	2.75	4.25	5.75	8.25	10.00



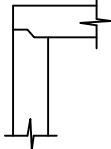
FULL HEIGHT MONOLITHIC BASE UNIT
(BAR WEIGHT = 839 LBS.)
SEE NOTE 6

ALTERNATE WALL DESIGN (HORIZONTAL BARS TO OUTSIDE)			
WALLS	VERT.	HORIZ.	COV. TO HORIZ.
6"	#5 @ 10"	#4 @ 10"	1 1/2"

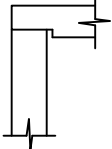
ALT. TOP SLAB
DETAIL A
*SEE BELOW



ALT. TOP SLAB
DETAIL B



ALT. TOP SLAB
DETAIL C



* ALTERNATE SLAB DETAIL "A" CANNOT BE USED WITH FULL HEIGHT MONO BASE.
SEE NOTE 6 ABOVE.

TITLE: STORMFILTER 8 X 6 - 600 CLASS			
PREPARED BY:	PROJECT: STORMFILTER		
	DRAWN BY: KMK	DATE: 10/2009	
	CHECKED BY: SLV	JOB No: 2007.025.058	
	SCALE: NONE	NUMBER: SFBX6	
	 ENGINEERS, ARCHITECTS, & LAND SURVEYORS 184 COURT STREET, BINGHAMTON, NY 13901 TEL: (607) 231-6600 FAX: (607) 231-6650		