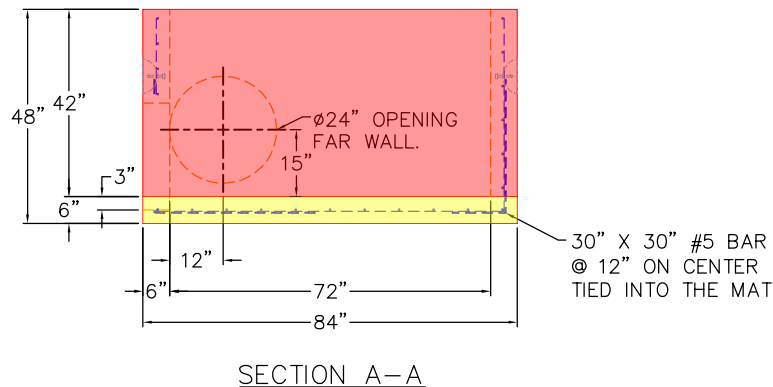
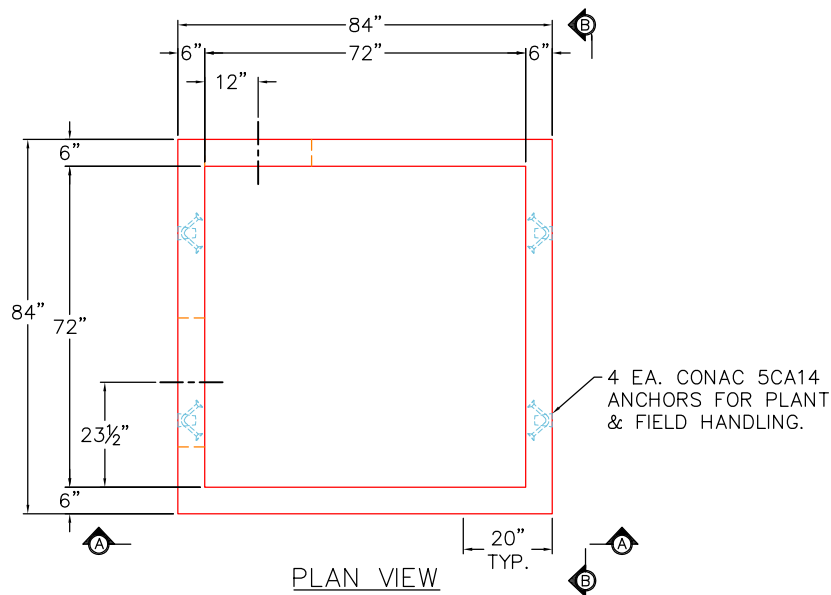
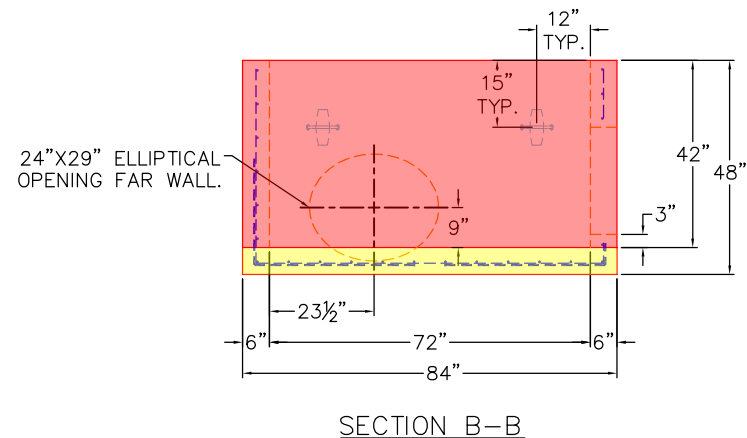




GENERAL NOTES:

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 = 9,647 LBS
FIRST POUR = 3,552 LBS
SECOND POUR = 6,095 LBS
5. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST)
6. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
7. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
8. LIFT ANCHORS TO BE PLACED ON THE OUTSIDE OF THE STRUCTURE.

FIRST POUR DRAWING



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.: BX072072-08BA-VH

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 9,647 LBS.

TOP SECTION JOINT: FLAT

BASE SECTION JOINT: N/A

QC CHECK INITIALS:

DESCRIPTION: 72" X 72" X 42" TALL VAULT

CUSTOMER: CONTECH ENGINEERING SOLUTIONS

PROJECT: 813399 MISTY CAPE COVE

STRUCTURE: WQU #1

ORDER NO: 26-3370

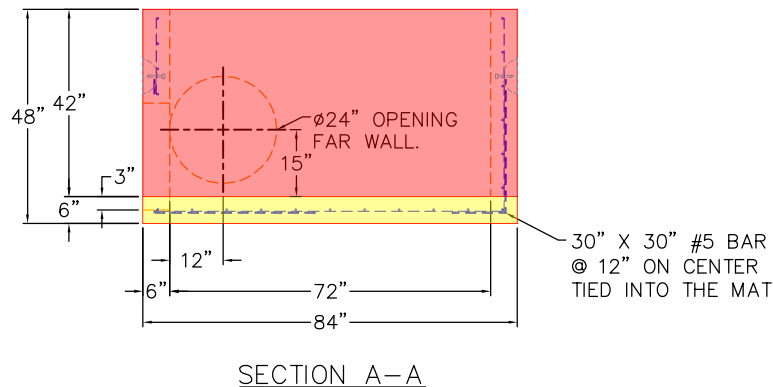
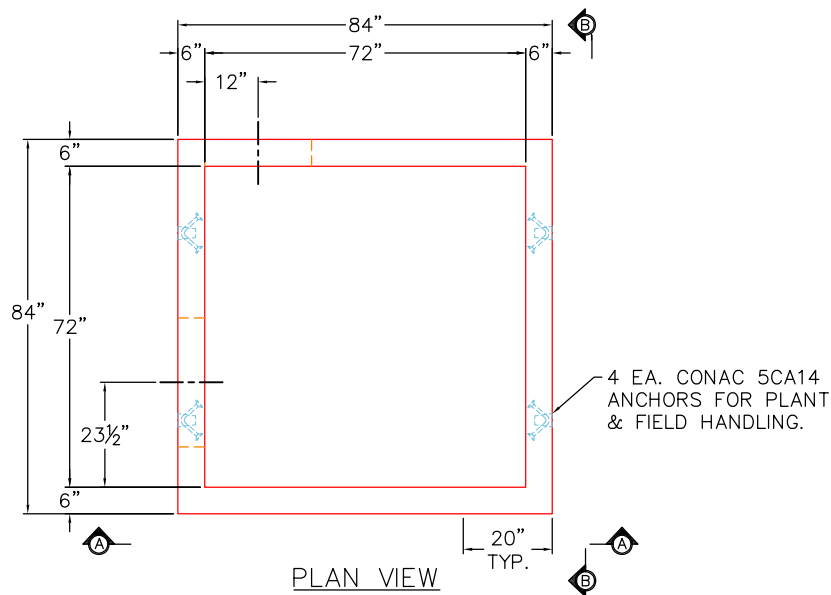
PC: C. GOFF

DRAWING: S. FELLETER

DATE: 08/18/26

SCALE: NTS

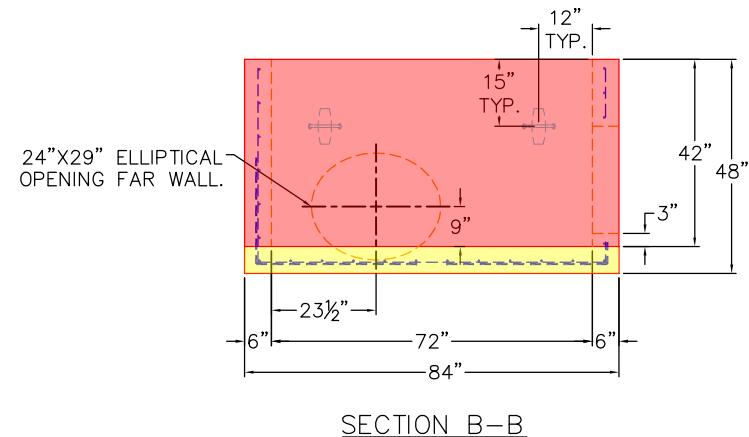
PG. 1 of 1



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 = 9,647 LBS
FIRST POUR = 3,552 LBS
SECOND POUR = 6,095 LBS
5. VAULT JOINT TO BE SEALED WITH CONCRETE SEALANTS, INC. CS-102 ROLL BUTYL MASTIC. (SUPPLIED BY ICAST)
6. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
7. INLET & OUTLET PIPE OPENINGS TO BE STENCILED ONTO THE OUTSIDE OF THE PRODUCT.
8. LIFT ANCHORS TO BE PLACED ON THE OUTSIDE OF THE STRUCTURE.

SECOND POUR DRAWING



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.: BX072072-08BA-VH

PRODUCT VIEW: RIGHT SIDE UP

PLANT: BEAVER DAM, KY.

WEIGHT: 9,647 LBS.

TOP SECTION JOINT: FLAT

BASE SECTION JOINT: N/A

QC CHECK INITIALS:

DESCRIPTION: 72" X 72" X 42" TALL VAULT

CUSTOMER: CONTECH ENGINEERING SOLUTIONS

PROJECT: 813399 MISTY CAPE COVE

STRUCTURE: WQU #1

ORDER NO: 26-3370

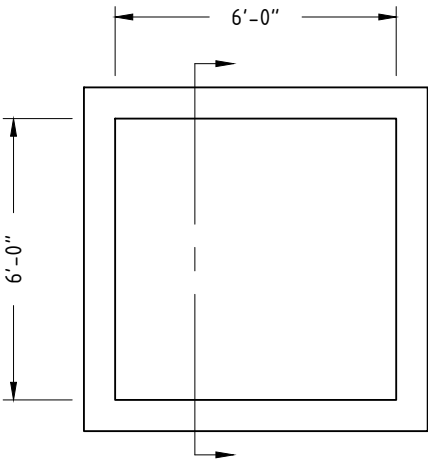
PC: C. GOFF

DRAWING: S. FELLETER

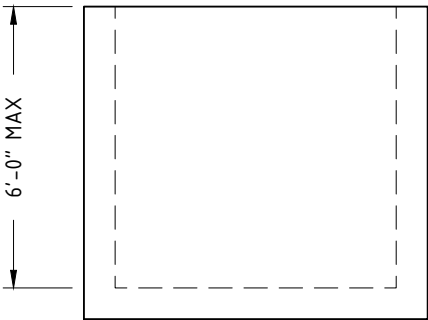
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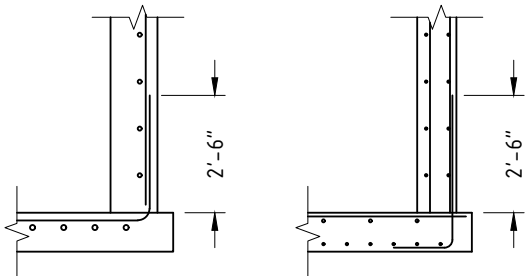
PG. 1 of 1



PLAN VIEW



ELEVATION VIEW

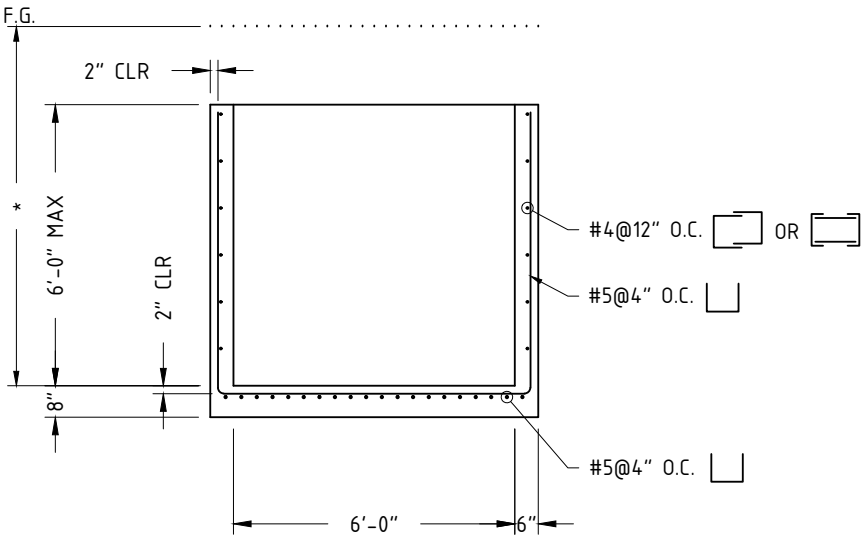


ALTERNATE BASE DETAIL

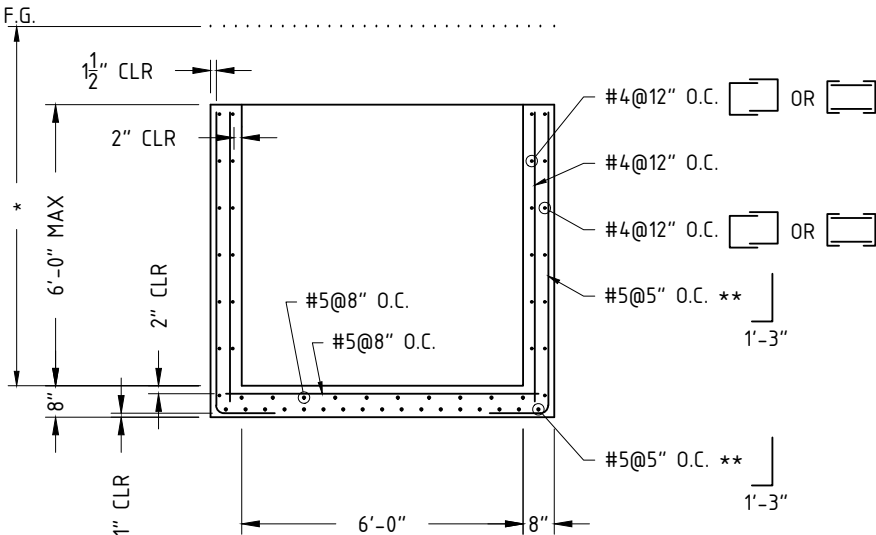
DESIGN NOTE:

HS20 DIRECT TRAFFIC (HEAVY DUTY) LOADING
CONCRETE 28 DAY COMPRESSIVE STRENGTH - 5000 PSI
REINFORCEMENT STEEL - 60,000 PSI
REBAR MIN SPLICE LENGTHS: #3-17" #4-22" #5-28" #6-33"
REBAR MIN BEND DIAMETERS: #3-2.25" #4-3" #5-3.75" #6-4.5"
DESIGN CONFORMS TO ACI 318-14
PIPE OPENINGS NOT SHOWN, SIZES & LOCATIONS AS REQUIRED, PLACE 4-#4 BAR DIAGONAL AROUND OPENING(S).
DESIGN REQUIRES 8" MIN THICK TOPSLAB BE PRESENT ABOVE BASE.
CHART SHOWS MAXIMUM DEPTH OF FILL AT VARYING WATER TABLE LEVELS. FILL DEPTH IS MEASURED FROM FINISHED GRADE (F.G.) TO THE INSIDE FLOOR OF THE BASE.
** L-SHAPED BARS MAY BE REPLACED WITH U-SHAPED BARS IF DESIRED.

Water Table Level:	Finished Grade	Up to 3' Below F.G.	Up to 6' Below F.G.	Up to 9' Below F.G.	Below Inside Floor of Base	6' Tall Max (Base Wall)
* Max Fill Above Base Floor:	8.83'	10.42'	11.92'	12.67'	13.92'	Design Class 1
	11.42'	13.00'	15.17'	16.67'	16.67'	Design Class 2



CLASS 1 - SECTION VIEW



CLASS 2 - SECTION VIEW



REVISIONS	
B	
C	
D	
E	

DRAWN BY: TJG
PLANT:
SOLD BY:
SCALE: 1 : 50
ORDER#