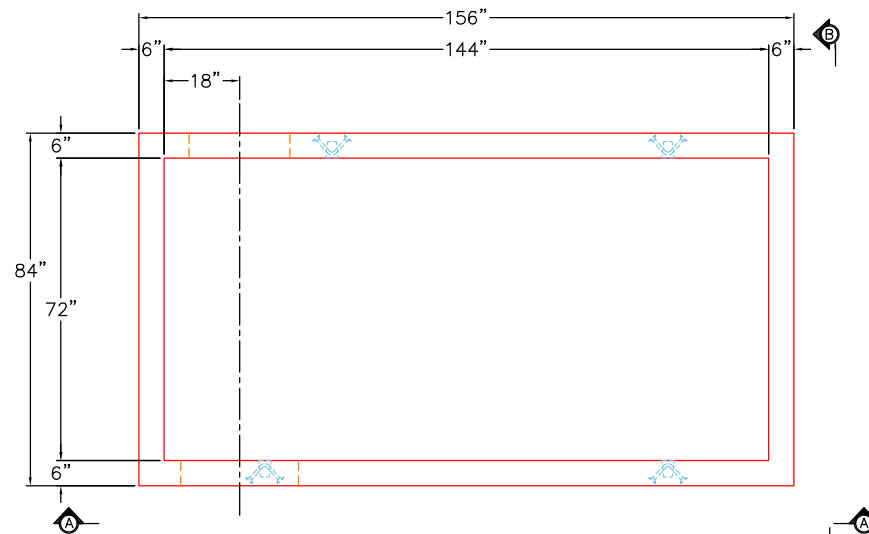
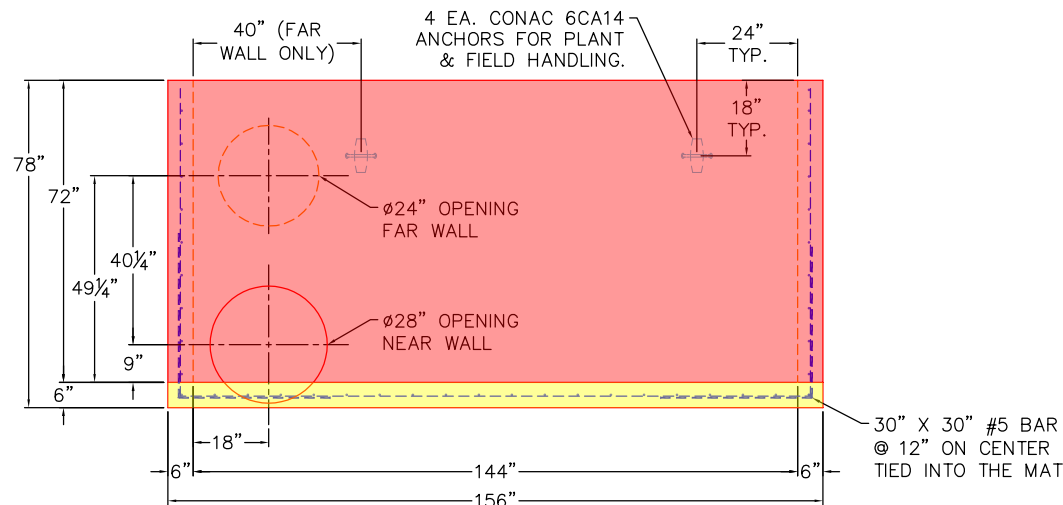
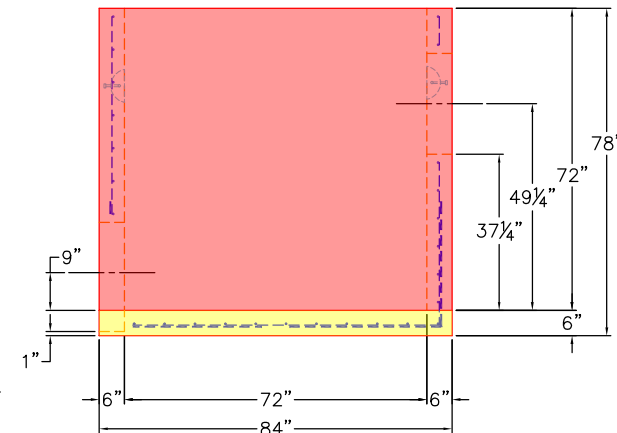




PLAN VIEW



SECTION A-A



SECTION B-B

### 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 = 22,819 LBS  
FIRST POUR = 6,560 LBS  
SECOND POUR = 16,259 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

### PRODUCTION WORK ORDER

PRODUCT I.D.: BX072144-06W06F-VFFT

DESCRIPTION: 72" X 144" X 72" TALL VAULT BASE



#### QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: CONTECH ENGINEERING SOLUTIONS

PLANT: BEAVER DAM, KY.

PROJECT: 877389 7-ELEVEN NO.1056726

WEIGHT: 22,819 LBS.

STRUCTURE: 10-KFPD0612

TOP SECTION JOINT: FLAT

ORDER NO: 26-3277

BASE SECTION JOINT: N/A

PC: C. GOFF

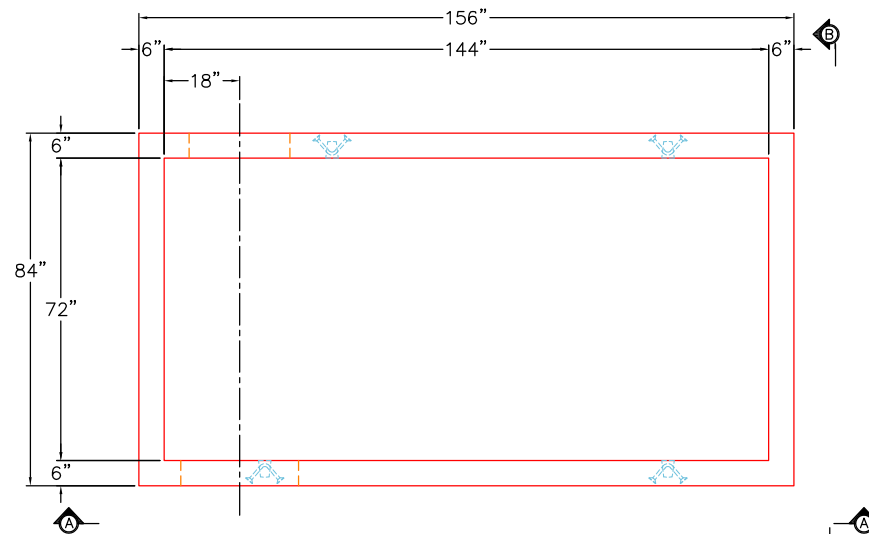
DRAWING: S. FELLETER

QC CHECK INITIALS:

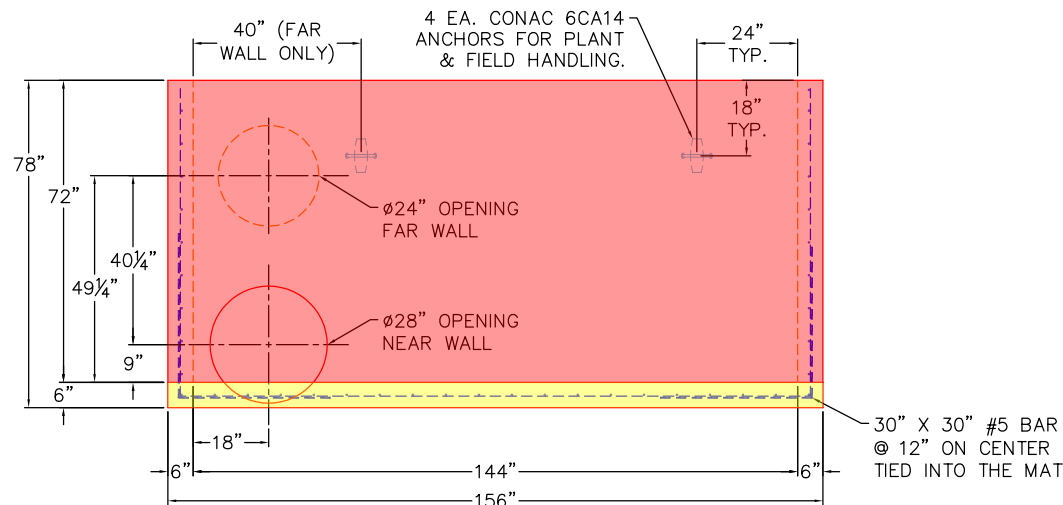
DATE: 08/13/26

SCALE: NTS

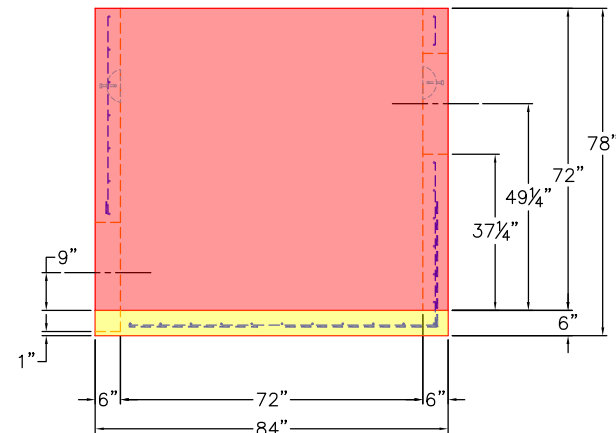
PG. 1 of 1



PLAN VIEW



SECTION A-A



SECTION B-B

### 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 = 22,819 LBS**  
FIRST POUR = 6,560 LBS  
**SECOND POUR = 16,259 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

### PRODUCTION WORK ORDER

PRODUCT I.D.: BX072144-06W06F-VFFT

DESCRIPTION: 72" X 144" X 72" TALL VAULT BASE



#### QUALITY CONTROL CHECKLIST

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

PRODUCT VIEW: RIGHT SIDE UP

CUSTOMER: CONTECH ENGINEERING SOLUTIONS

PLANT: BEAVER DAM, KY.

PROJECT: 877389 7-ELEVEN NO.1056726

WEIGHT: 22,819 LBS.

STRUCTURE: 10-KFPD0612

TOP SECTION JOINT: FLAT

ORDER NO: 26-3277

BASE SECTION JOINT: N/A

PC: C. GOFF

DRAWING: S. FELLETER

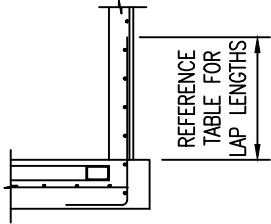
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DATE: 08/13/26

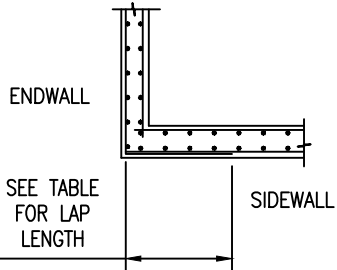
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PG. 1 of 1

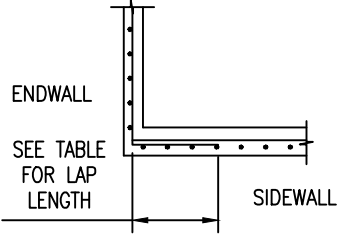
| MINIMUM LAP |            |
|-------------|------------|
| BAR SIZE    | LAP        |
| #4 [10M]    | 21" [535]  |
| #5 [15M]    | 26" [660]  |
| #6 [20M]    | 31" [790]  |
| #7 [20M]    | 36" [915]  |
| #8 [25M]    | 46" [1170] |



ALTERNATE BASE DETAIL



WALL CORNER DETAIL  
(PLAN VIEW)  
(DOUBLE MAT)

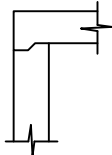


CORNER DETAIL  
(PLAN VIEW)  
(SINGLE MAT)

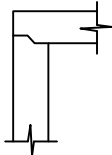
- NOTES:
- DESIGN LOAD = AASHTO HS20-44 (ONE LANE OF TRAFFIC; ONE AXLE)
  - CONCRETE STRENGTH = 5000psi
  - REINFORCING STEEL - GRADE 60
  - CHART BELOW SHOWS MAXIMUM DEPTH OF FILL FOR UNIT CLASS AT VARIOUS WATER TABLE DEPTHS. DRY INDICATED W/T BELOW UNIT. FILL DEPTHS GREATER THAN 10' SHALL REQUIRE SPECIAL 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 |

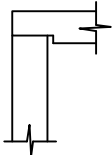
ALT. TOP SLAB  
DETAIL A  
\*SEE BELOW



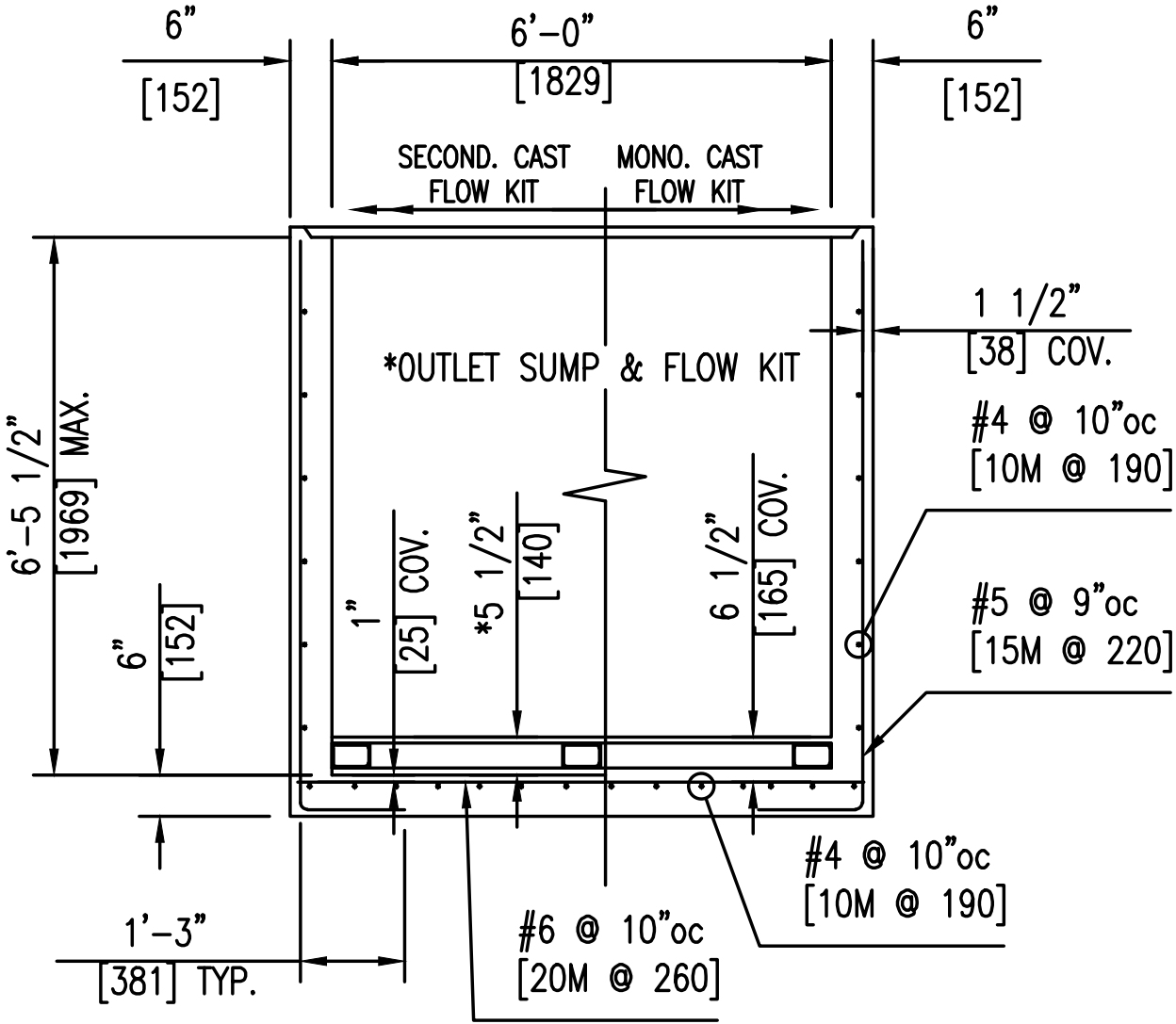
ALT. TOP SLAB  
DETAIL B



ALT. TOP SLAB  
DETAIL C



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



FULL HEIGHT MONOLITHIC BASE UNIT  
(BAR WEIGHT = 900 LBS.)  
SEE NOTE 6

| ALTERNATE WALL DESIGN (HORIZONTAL BARS TO OUTSIDE) |          |          |                |
|----------------------------------------------------|----------|----------|----------------|
| WALLS                                              | VERT.    | HORIZ.   | COV. TO HORIZ. |
| 6"                                                 | #5 @ 10" | #4 @ 12" | 1 1/2"         |

STORMFILTER 6' X 12': 600 CLASS 12'-0" L x 6'-0" W x 6'-0" I.D.