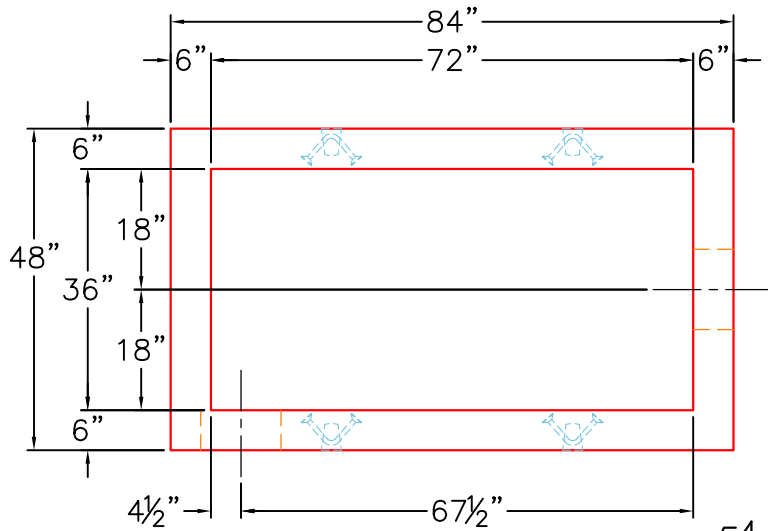


GENERAL NOTES:

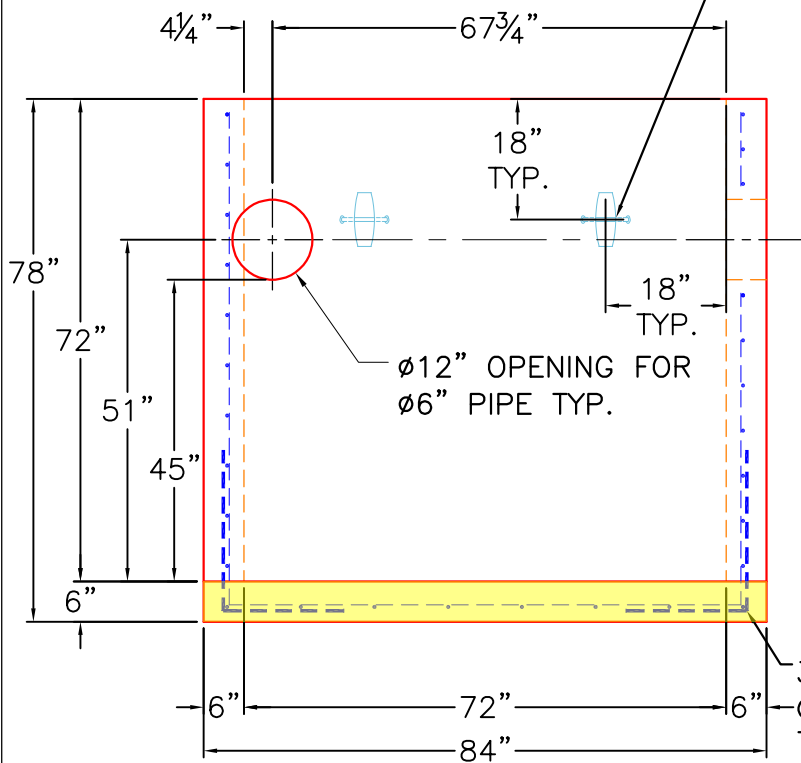
1. DESIGN LOADING – AASHTO HS-20.
2. DESIGN SPECIFICATIONS – ACI 318-14.
3. CONCRETE: 5,000 PSI AT 28 DAYS.
4. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443.
5. REINFORCING: SEE CONTECH DRAWING VCL30 FOR REINFORCEMENT INFORMATION. PER ASTM A615 (GRADE 60).
6. WEIGHTS:
FIRST POUR – 2,100 LBS
 SECOND POUR – 8,630 LBS
 TOTAL – 10,730 LBS
7. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
8. CONTECH'S LOGO AS WELL AS THE INLETS AND OUTLETS TO BE STENCILED ONTO THE STRUCTURE.

FIRST POUR DRAWING



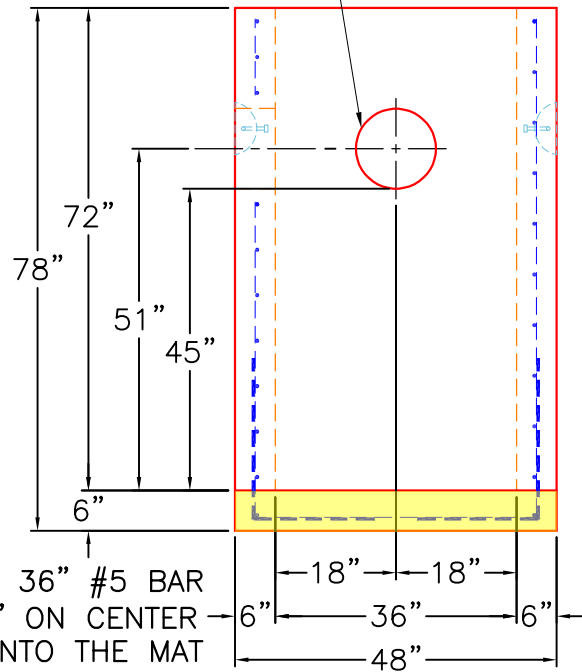
TOP VIEW

4 EA. CONAC 5CA14 ANCHORS CAST ON THE OUTSIDE OF THE WALLS.




FRONT VIEW

Ø12" OPENING FOR Ø6" PIPE TYP.



RIGHT VIEW

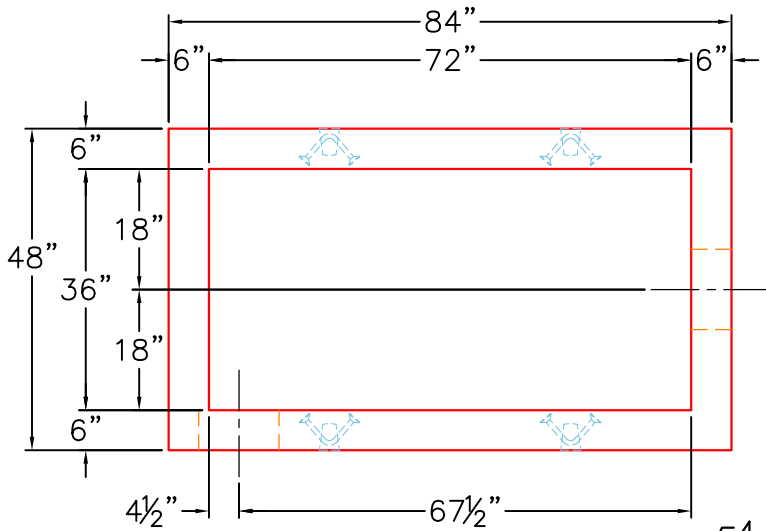
36" X 36" #5 BAR @ 12" ON CENTER TIED INTO THE MAT

| | | | | | |
|--|--|----------------------------------|---|---------------------|------------|
| PRODUCTION WORK ORDER | | PRODUCT I.D.: BX036072-08BAVF | DESCRIPTION: 36" x 72" x 78" TALL BASE | | |
|  | QUALITY CONTROL CHECKLIST | PRODUCT VIEW: RIGHT SIDE UP | CUSTOMER: CONTECH ENGINEERING SOLUTIONS | | |
| | <input type="checkbox"/> ALL DIMENSIONS CORRECT. | PLANT: BEAVER DAM, KY. | PROJECT: 836163 AMEREN AUDRAIN CTG DUALFUEL | | |
| | <input type="checkbox"/> LIFTERS INSTALLED. | WEIGHT: 10,730 LBS. | STRUCTURE: 10-VCL30 | | |
| | <input type="checkbox"/> HOLE LOCATION(S) CORRECT. | TOP SECTION JOINT: N/A | ORDER NO: 25-3595 | | |
| | <input type="checkbox"/> REINFORCING CORRECT. | BASE SECTION JOINT: N/A | PC: T. SEKULA | DRAWING: J. COPPAGE | |
| | <input type="checkbox"/> ALL PATCHWORK ACCEPTABLE. | QC CHECK INITIALS: | DATE: 10/14/25 | SCALE: NTS | PG. 1 of 1 |
| <input type="checkbox"/> LADDER INSTALLED. | | | | | |
| <input type="checkbox"/> GASKETS INSTALLED. | | | | | |

GENERAL NOTES:

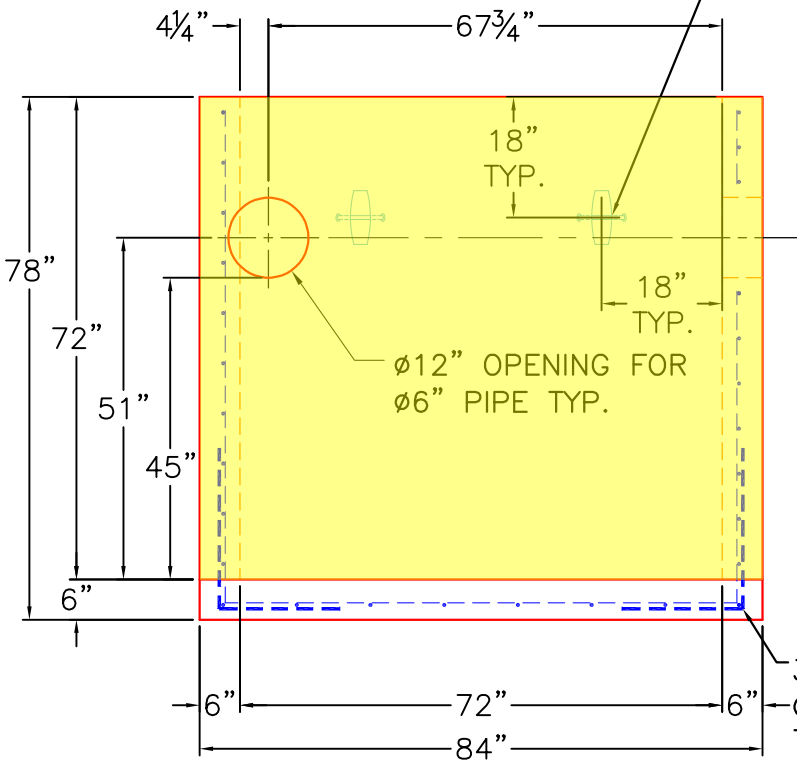
1. DESIGN LOADING – AASHTO HS-20.
2. DESIGN SPECIFICATIONS – ACI 318-14.
3. CONCRETE: 5,000 PSI AT 28 DAYS.
4. JOINT SEALANT SHALL CONFORM TO ASTM C-990 OR ASTM C-443.
5. REINFORCING: SEE CONTECH DRAWING VCL30 FOR REINFORCEMENT INFORMATION. PER ASTM A615 (GRADE 60).
6. WEIGHTS:
 FIRST POUR – 2,100 LBS
SECOND POUR – 8,630 LBS
 TOTAL – 10,730 LBS
7. STRUCTURE TO HAVE INTERNALS INSTALLED BY ICAST.
8. CONTECH'S LOGO AS WELL AS THE INLETS AND OUTLETS TO BE STENCILED ONTO THE STRUCTURE.

SECOND POUR DRAWING



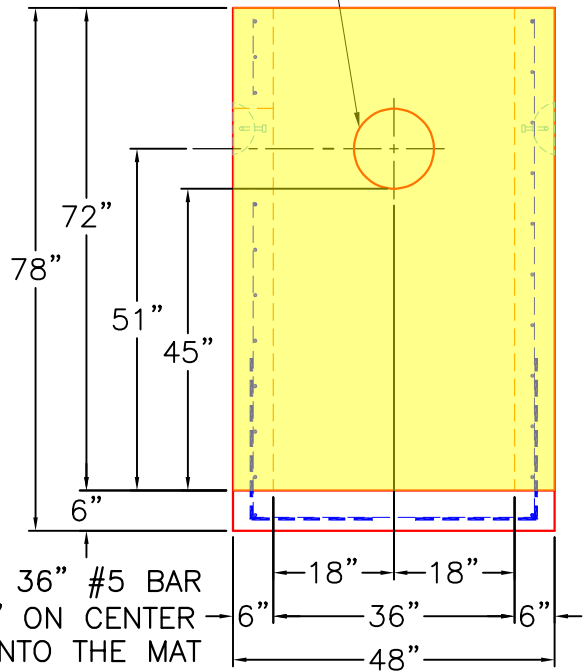
TOP VIEW

4 EA. CONAC 5CA14 ANCHORS CAST ON THE OUTSIDE OF THE WALLS.




FRONT VIEW

Ø12" OPENING FOR Ø6" PIPE TYP.

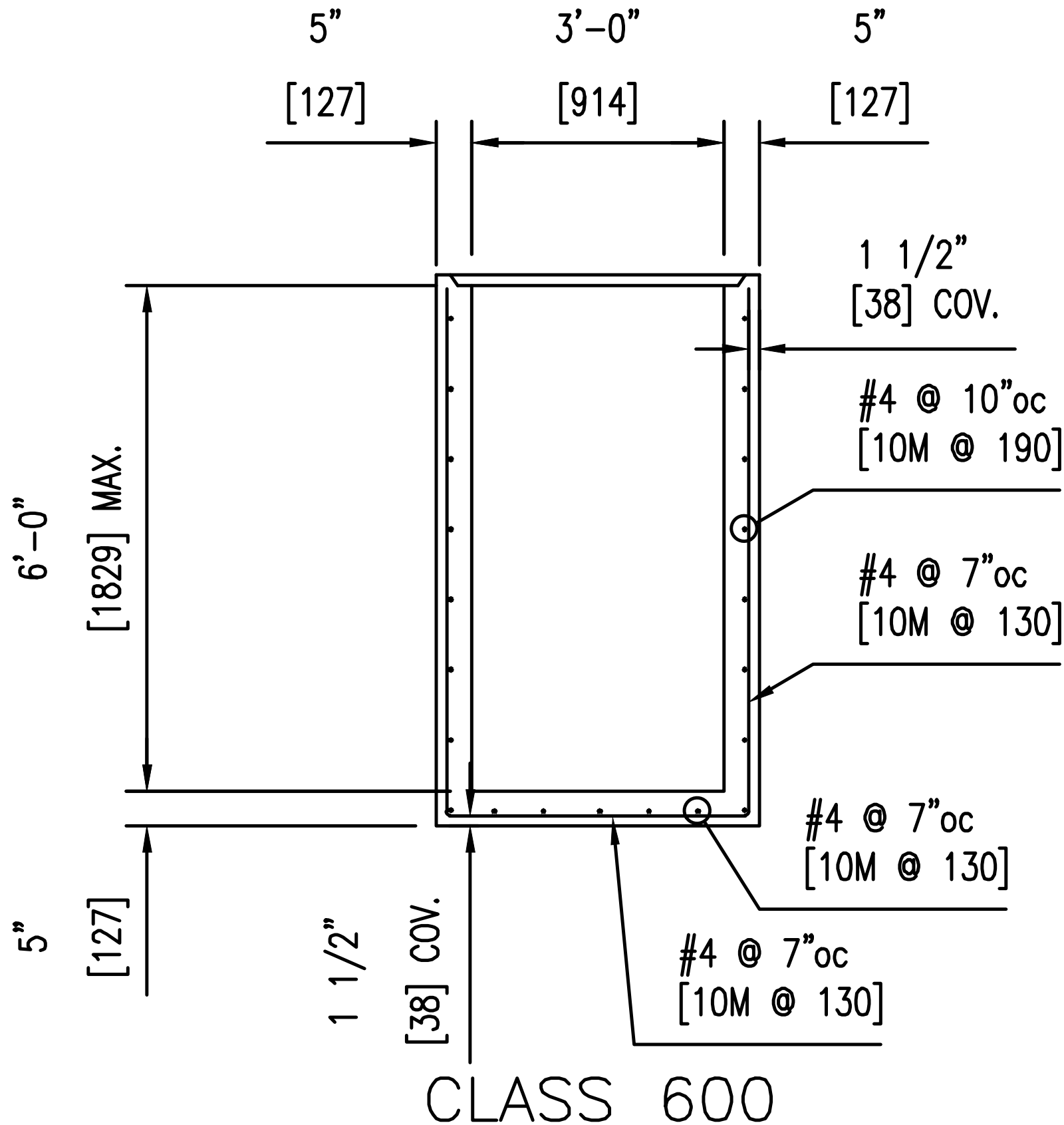


RIGHT VIEW

36" X 36" #5 BAR @ 12" ON CENTER TIED INTO THE MAT

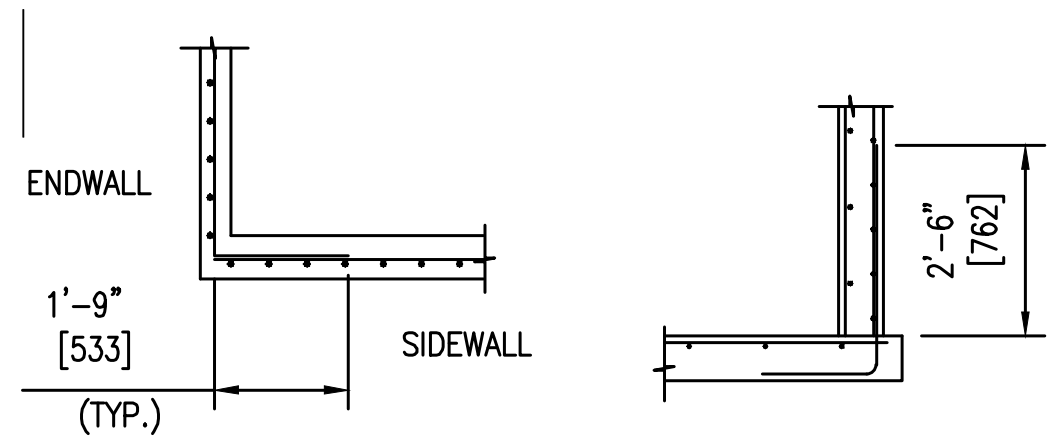
| | | | | | |
|--|--|----------------------------------|---|---------------------|------------|
| PRODUCTION WORK ORDER | | PRODUCT I.D.: BX036072-08BAVF | DESCRIPTION: 36" x 72" x 78" TALL BASE | | |
|  | QUALITY CONTROL CHECKLIST | PRODUCT VIEW: RIGHT SIDE UP | CUSTOMER: CONTECH ENGINEERING SOLUTIONS | | |
| | <input type="checkbox"/> ALL DIMENSIONS CORRECT. | PLANT: BEAVER DAM, KY. | PROJECT: 836163 AMEREN AUDRAIN CTG DUALFUEL | | |
| | <input type="checkbox"/> LIFTERS INSTALLED. | WEIGHT: 10,730 LBS. | STRUCTURE: 10-VCL30 | | |
| | <input type="checkbox"/> HOLE LOCATION(S) CORRECT. | TOP SECTION JOINT: N/A | ORDER NO: 25-3595 | | |
| | <input type="checkbox"/> REINFORCING CORRECT. | BASE SECTION JOINT: N/A | PC: T. SEKULA | DRAWING: J. COPPAGE | |
| | <input type="checkbox"/> ALL PATCHWORK ACCEPTABLE. | QC CHECK INITIALS: | DATE: 10/14/25 | SCALE: NTS | PG. 1 of 1 |
| <input type="checkbox"/> LADDER INSTALLED. | | | | | |
| <input type="checkbox"/> GASKETS INSTALLED. | | | | | |

25-3595 -836163 AMEREN AUDRAUB CTG DUALFUEL

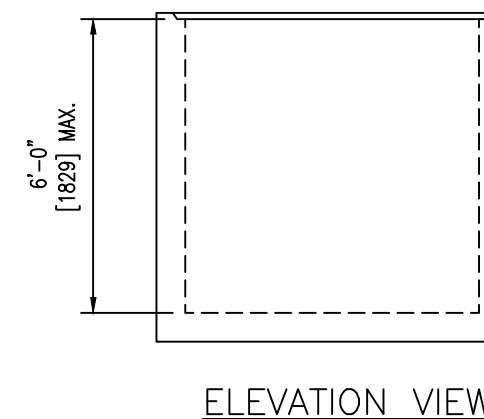
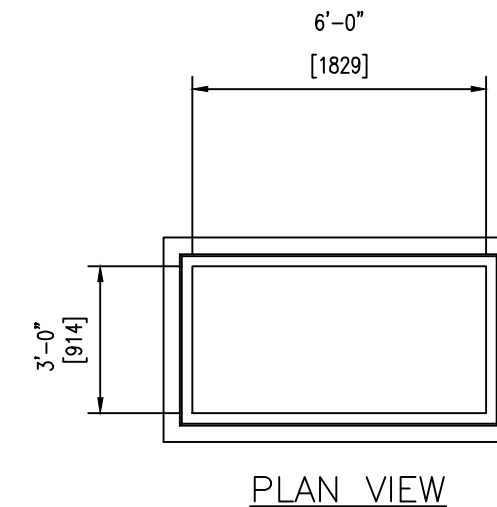


- NOTES:
1. DESIGN LOAD = AASHTO HS20-44
 2. CONCRETE STRENGTH = 5000psi
 3. REINFORCING STEEL - GRADE 60
 4. CHART BELOW SHOWS MAXIMUM DEPTH OF FILL FOR UNIT CLASS AT VARIOUS WATER TABLE DEPTHS. FILL DEPTHS GREATER THAN 10' SHALL REQUIRE SPECIAL DESIGN.
 5. PIPE OPENINGS, SIZE AND LOCATION, AS REQUIRED. PROVIDE ADDITIONAL REINFORCING EQUAL TO THE BARS INTERRUPTED, 1/2 EACH SIDE. ADD #4 DIAGONAL TRIM BARS AROUND OPENINGS.
 6. TOP SLAB MUST BE IN PLACE PRIOR TO BACKFILL.
 7. DUE TO VARYING WATER TABLES, BASE SLABS HAVE NOT BEEN DESIGNED FOR UPWARD HYDROSTATIC PRESSURE.
 8. THE OPENING SIZES AND LOCATIONS MAY VARY. FOR EXACT SIZES AND LOCATIONS SEE CONTECH PROJECT SPECIFIC DRAWINGS.

| WT DEPTH CLASS | 0' | 3' | 6' | 9' | 12' |
|----------------|------|------|------|------|------|
| 600 | 2.75 | 4.25 | 5.75 | 7.25 | 9.75 |



CLASS 600, 800 AND 1000



TITLE: VORTCLAREX MODEL VCL 30 - FULL HEIGHT BASE UNIT

PREPARED BY: VORTCLAREX

DRAWN BY: KMK

CHECKED BY: SLV

SCALE: NONE

DATE: 10/2009

JOB No: 2006.025.044

NUMBER: VCL30_HS-20_FULL_BASE

