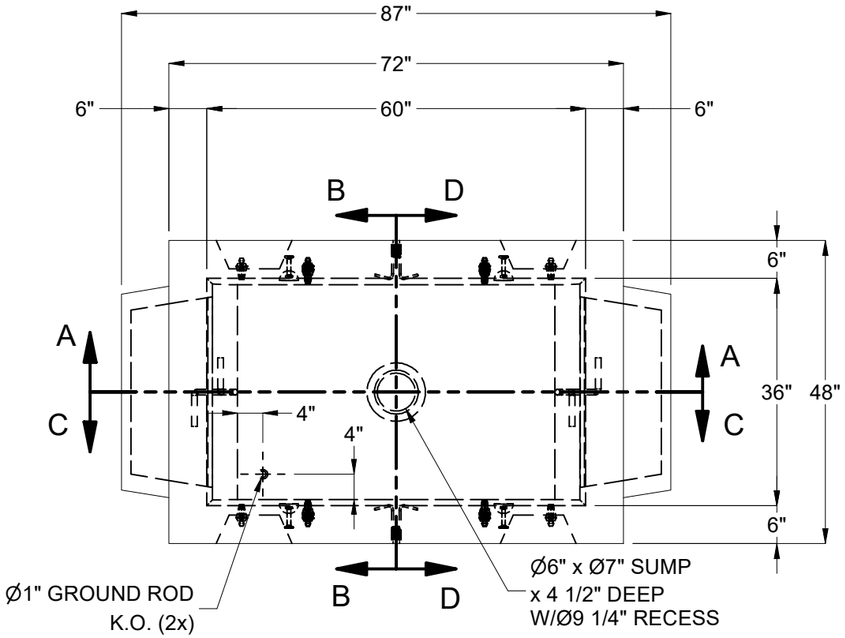
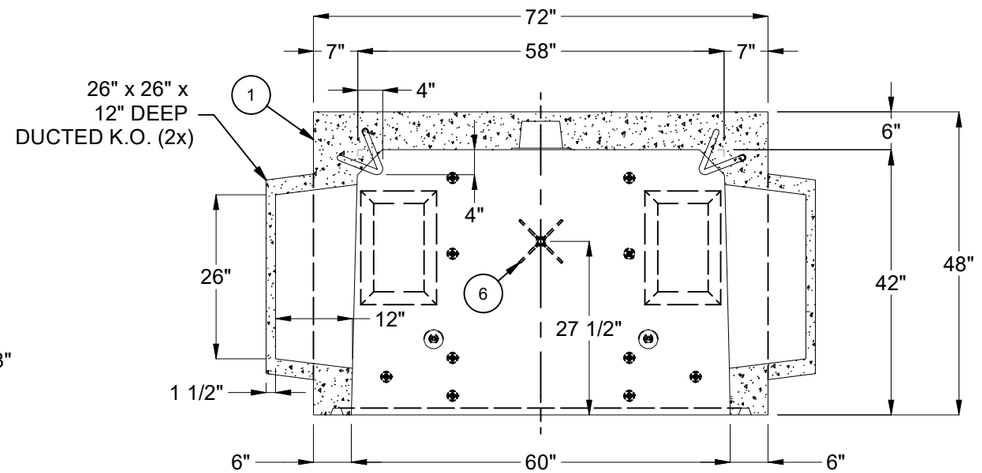
| DESIGN NOTES |
|---|
| ■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #35095. |
| ■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT. |

## BILL OF MATERIALS

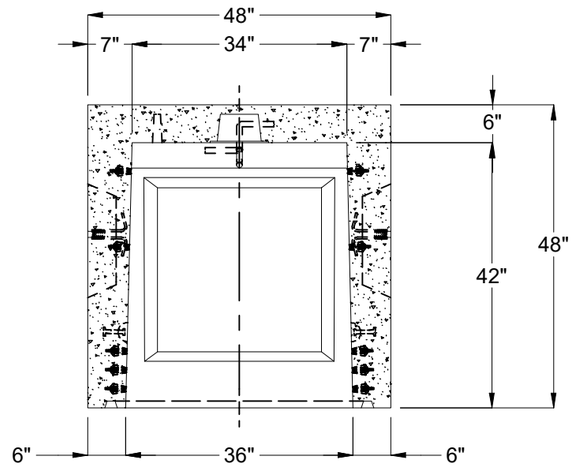
| ITEM | UNIT QTY | QTY | PART NUMBER | DESCRIPTION |
|---|---|---|---|---|
| 1 | 41.697 ft^3 | 41.697 ft^3 | 100006029 | CONCRETE 5500 PSI SCC ED |
| 2 | 1 | 4 | 100002867 | ANCHOR DOGBONE P52 2T X 3-3/8" GALV |
| 3 | 1 | 2 | 100003026 | PULL IRON OFFSET .875DIA 6H X 5W X 10.875L GALV |
| 4 | 1 | 20 | 100012720 | INSERT PLASTIC W/ BREAK OFF SNAP 0.5IN |
| 5 | 1 | 1 | 300156966 | REINFORCING MAT 300156966 |
| 6 | 1 | 2 | 100008245 | Insert Thin Slab Coil 4-Leg 1 x 5.5" Galv (F53 or Equiv.) |



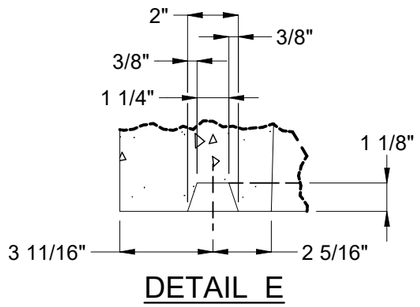

PLAN VIEW



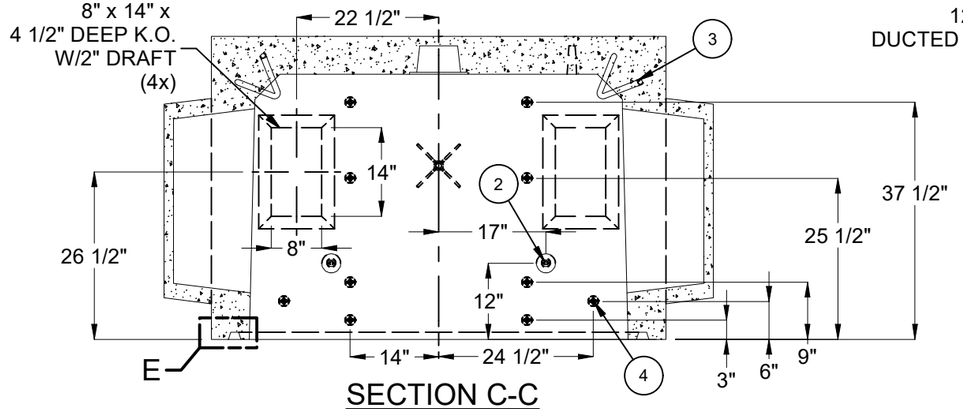

SECTION A-A



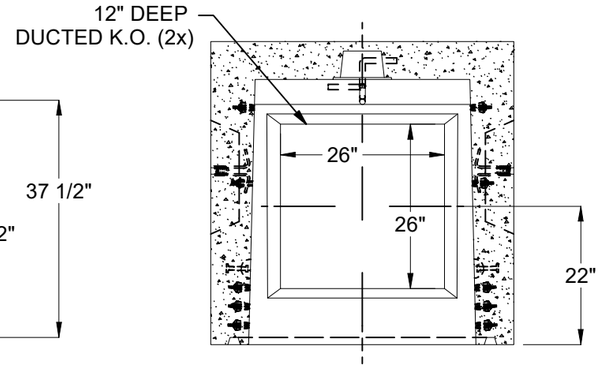

SECTION B-B




DETAIL E




SECTION C-C

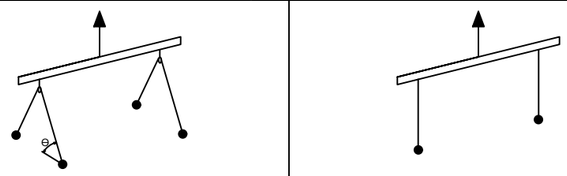



SECTION D-D

| LIFTING NOTES |
|---|
| ■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 5500 PSI WITH 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 LIFTING POINTS AT A MINIMUM 60° SLING ANGLE, MEASURED FROM HORIZONTAL. |
| ■ DEMOLDING: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 2500 PSI WITH 2 LIFT CONNECTIONS EQUALLY LOADED TO 2 LIFTING POINTS AT A MINIMUM 90° SLING ANGLE, MEASURED FROM HORIZONTAL. |
| *All rigging shall be design by a qualified professional. Loading diagrams show illustrations of possible rigging setups to achieve the required sling angle and load leg equalization. Other valid rigging configurations are possible. A qualified professional must be consulted prior to lifting. |

RIGGING DIAGRAMS*

| INSTALLATION | C | DEMOLDING | G |
|---|---|---|---|




| REVISION HISTORY | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPROVED |
| A-2-1 | ADDED COIL INSERTS | 9/16/2025 | |

| | | | |
|---|---|---|---|
| BURY DEPTH: | 0.7' - 0.7' to Top | | |
| WATER LEVEL: | 3.0' | APPROX. WEIGHT: | 6272.21 Lbs |
| DESIGN SPEC: | ACI 318,ASTM C857 | LOADING SPEC: | A-16 (AASHTO HS20-44) |
| REINFORCEMENT TYPE: | Rebar | LIFTING TYPE: | Dogbone |

Infrastructure
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| | | | |
|---|---|---|---|
| DESCRIPTION: | Vault 3660x42 Rect. Bottom Section Knockout Ducted,Sump Edison<br>CASTING LAYOUT | | REV: A-2-1 |
| PART NUMBER: | 200086138 | DRAWN BY: | R. Ramos |
| CREATED: | 2/19/2024 | MODIFIED: | 9/16/2025 |
| | | | SHEET: 1 OF 1 |

200086138.idw