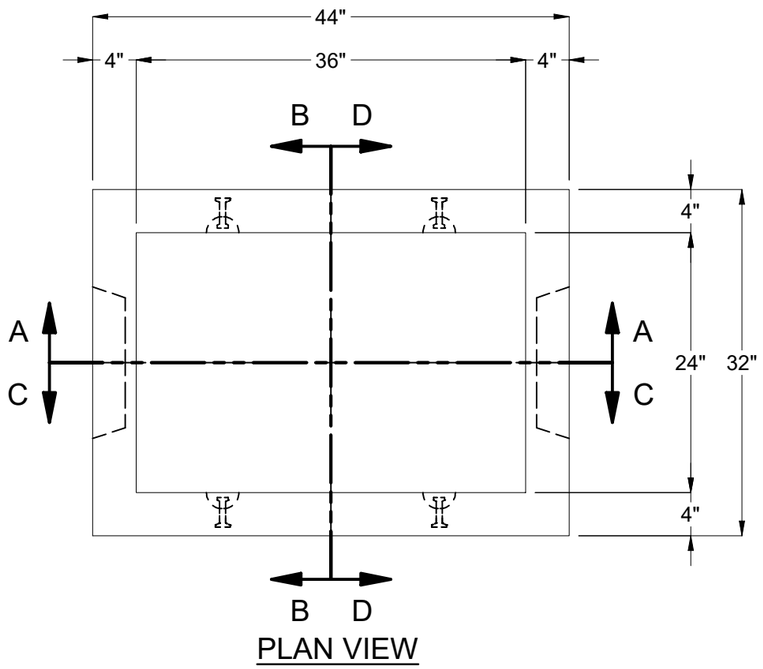
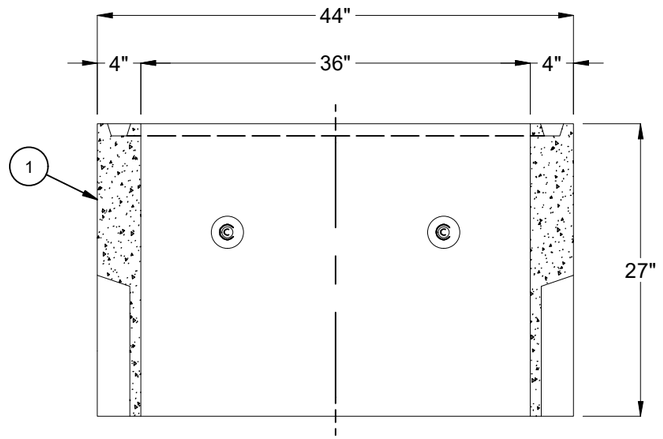
| DESIGN NOTES |
|---|
| ■ DESIGNED IN ACCORDANCE WITH AASHTO HS20-44 TRAFFIC BRIDGE LOADING USING 5,500 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-706 STEEL REINFORCEMENT PER CALCS. #32019. |
| ■ ALL PARTS TO BE STENCILED: MFG DATE / JOB NUMBER / PRODUCT ID / WEIGHT. |

## BILL OF MATERIALS

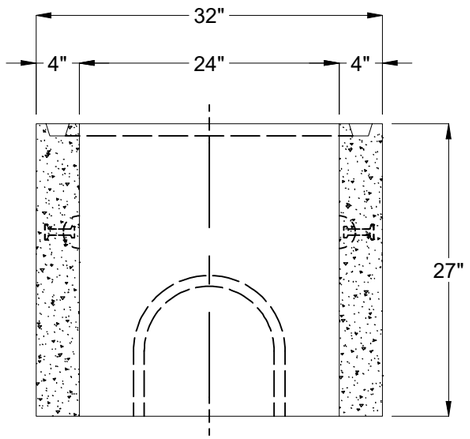
| ITEM | UNIT QTY | QTY | PART NUMBER | DESCRIPTION |
|---|---|---|---|---|
| 1 | 7.822 ft^3 | 7.822 ft^3 | 100024079 | CONCRETE #19 SCC |
| 2 | 1 | 4 | 100002866 | ANCHOR DOGBONE P52 2T X 2-3/4" GALV |
| 3 | 1 | 1 | 300152614 | REINFORCING MAT 300152614 |



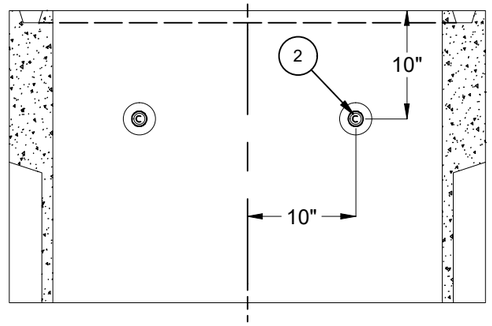

PLAN VIEW



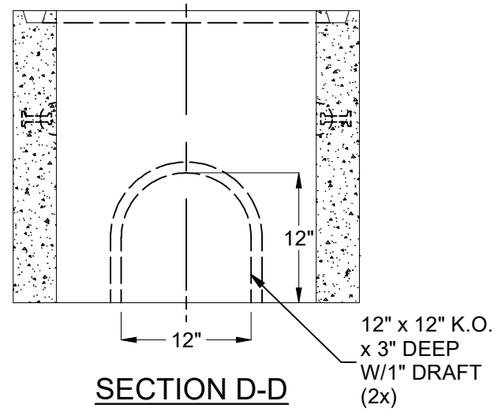

SECTION A-A




SECTION B-B




SECTION C-C

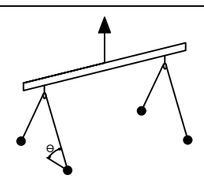


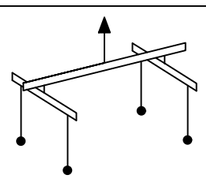

SECTION D-D

| 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 4 LIFT CONNECTIONS EQUALLY LOADED TO 4 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 | E |
|---|---|---|---|





| | | | |
|---|---|---|---|
| BURY DEPTH: | 0.5' - 0.5' to Top | | |
| WATER LEVEL: | 3.0' | APPROX. WEIGHT: | 1184.46 Lbs |
| DESIGN SPEC: | ACI 318,ASTM C857 | LOADING SPEC: | A-16 (AASHTO HS20-44) |
| REINFORCEMENT TYPE: | Rebar | LIFTING TYPE: | Dogbone |

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REVISION HISTORY

| REV | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|
| C-1 | REVISED CAGE & DOGBONES | 10/18/2024 | |

| | | | |
|---|---|---|---|
| DESCRIPTION: | Riser 2436x27 Knockout<br>CASTING LAYOUT | REV: | C-1 |
| PART NUMBER: | 100012135 | DRAWN BY: | J. Prado |
| CREATED: | 4/4/2023 | MODIFIED: | 10/18/2024 |
| | | SHEET: | 1 OF 1 |

100012135.idw