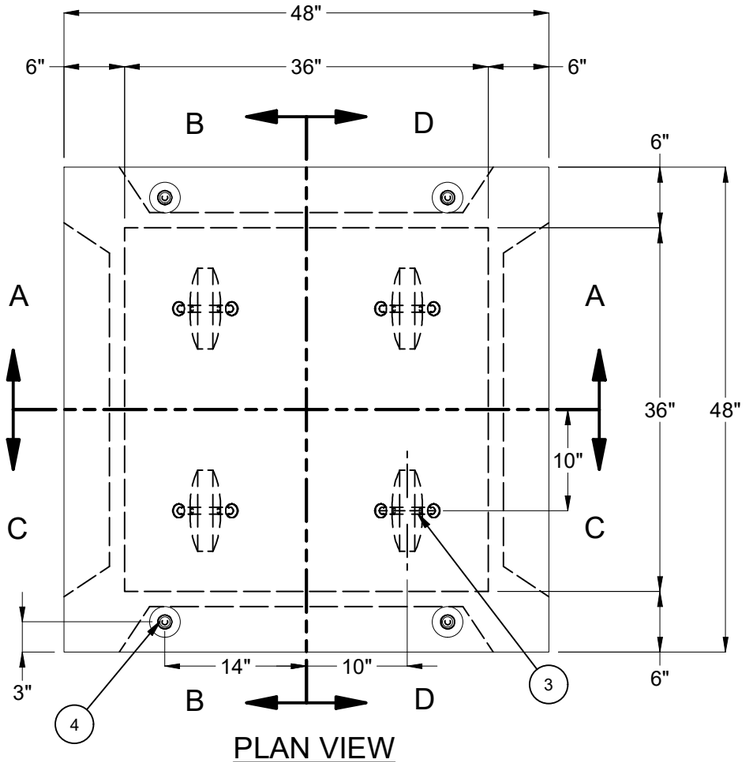
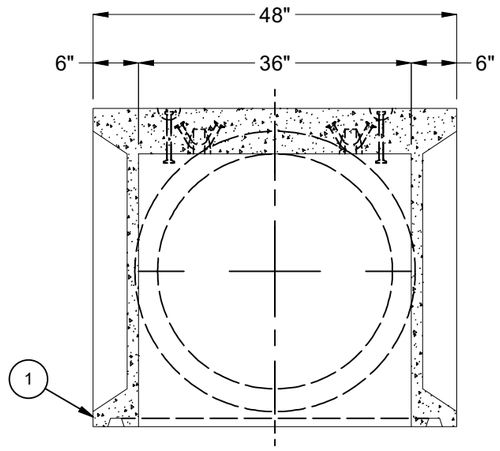
DESIGN NOTES
■ DESIGNED PER CALCS. #33219
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

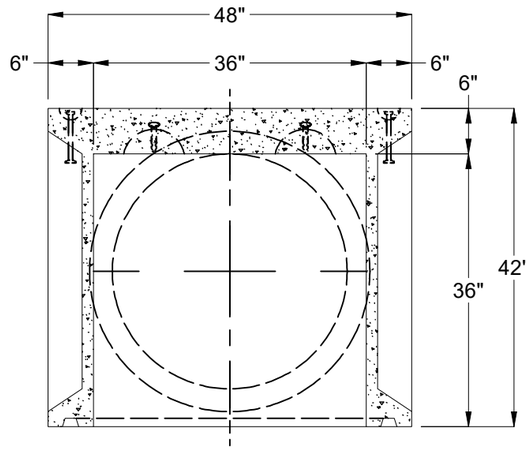
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	19.248 ft^3	19.248 ft^3	100024079	CONCRETE #19 SCC
2	1	1	300154140	REINFORCING MAT 300154140
3	1	4	100004878	ANCHOR UTILITY .671DIA 5-SLAB GALV P75 5UA671
4	1	4	100002870	ANCHOR DOGBONE P52 2T X 6-3/4" GALV



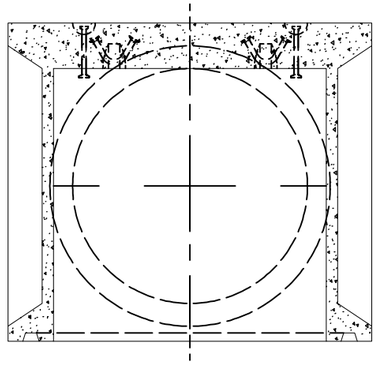
PLAN VIEW



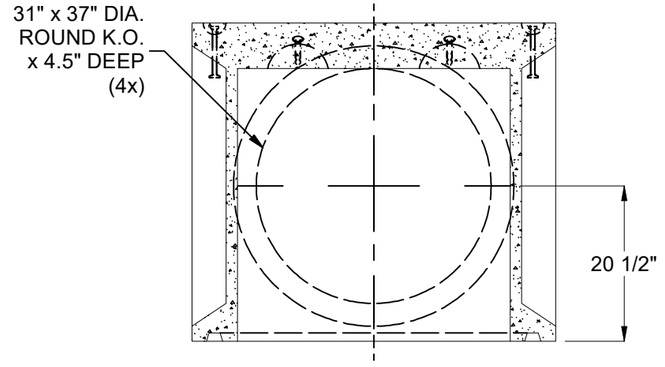
SECTION A-A



SECTION B-B



SECTION C-C

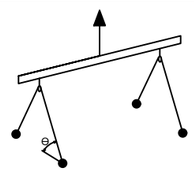


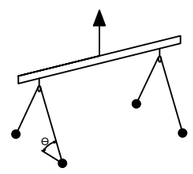
SECTION D-D

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 60° 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	C





BURY DEPTH:	0.0' - 6.5' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	2890.94 Lbs
DESIGN SPEC:	ACI 318,ASTM C857	LOADING SPEC:	A-16 (AASHTO HS20-44)
REINFORCEMENT TYPE:	Rebar	LIFTING TYPE:	A-Anchor

Infrastructure
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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
D	UPDATED LIFTING	10/8/2025	

DESCRIPTION:	Drainage 3636x36 Rect. Bottom Section Knockout CASTING LAYOUT	REV:	D-1
PART NUMBER:	100010003	DRAWN BY:	J.Rivas
CREATED:	10/18/2023	MODIFIED:	10/8/2025
		SHEET:	1 OF 1

100010003.idw