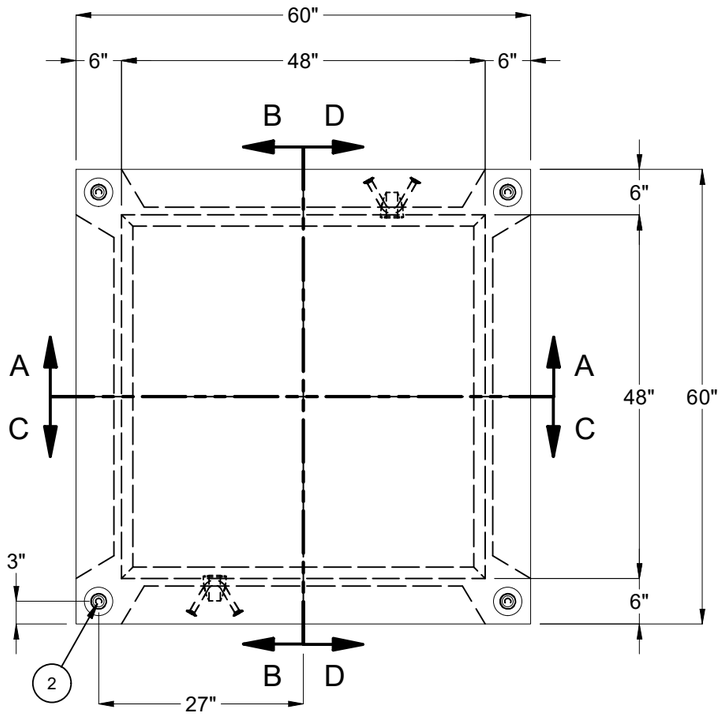
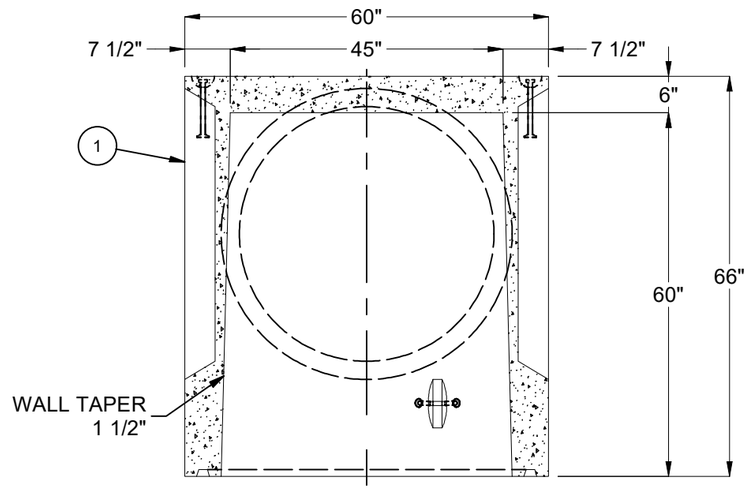
DESIGN NOTES
■ DESIGNED PER CALCS. #33910.
■ ALL PARTS TO BE STENCILED: MFG DATE / PRODUCT ID / WEIGHT.

BILL OF MATERIALS

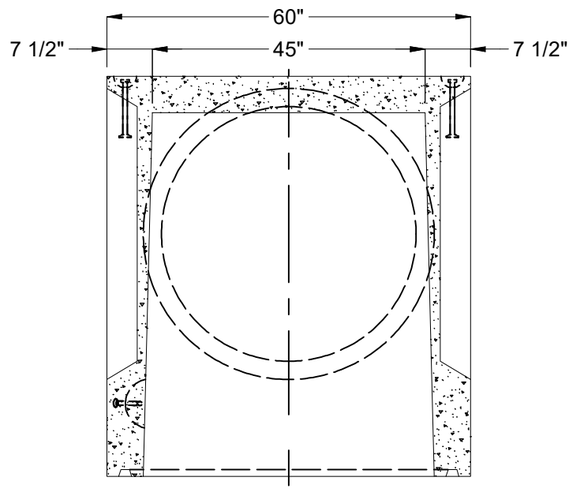
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION
1	43.612 ft^3	43.612 ft^3	100024079	CONCRETE #19 SCC
2	1	4	100002877	ANCHOR DOGBONE P52 4T X 9-1/2" GALV
3	1	2	100004880	ANCHOR UTILITY .671DIA 5.625-SLAB GALV P75 6UA671
4	1	1	100017753	REINFORCING MAT 100017753



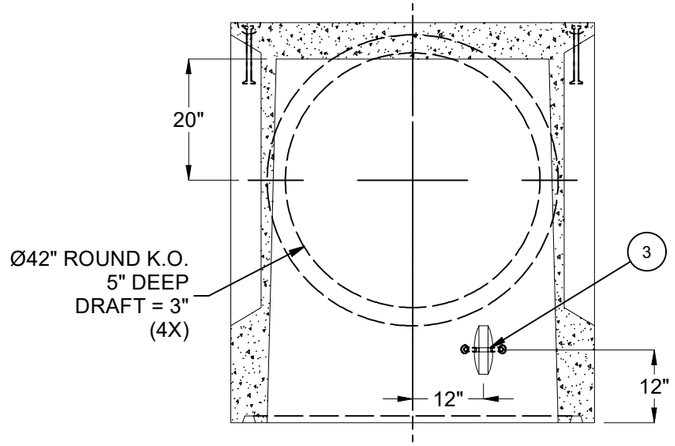
PLAN VIEW



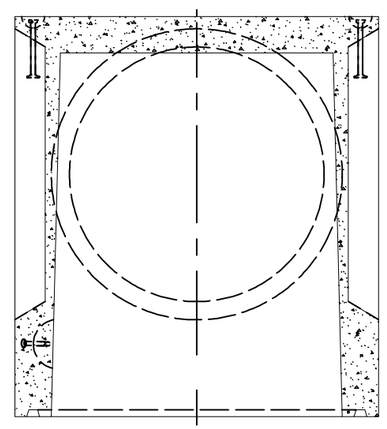
SECTION A-A



SECTION B-B



SECTION C-C

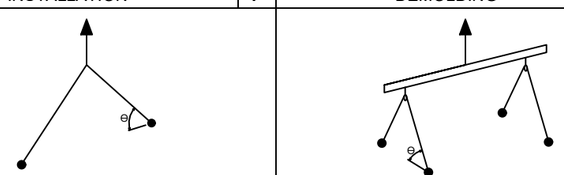


SECTION D-D

LIFTING NOTES
■ INSTALLATION: THIS CONCRETE PRODUCT IS DESIGNED TO BE LIFTED AT 5500 PSI WITH 2 LIFT CONNECTIONS EQUALLY LOADED TO 2 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	F	DEMOLDING	C



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A-2-1	REVISED GROOVE TO CENTER OF WALL	8/26/2025	

BURY DEPTH:	0.5' - 7.0' to Top		
WATER LEVEL:	3.0'	APPROX. WEIGHT:	6563.37 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:	Drainage 4848x60 Rect. Bottom Section Knockout CASTING LAYOUT		REV: A-2-1
PART NUMBER:	100010021	DRAWN BY:	J. Prado
CREATED:	8/15/2019	MODIFIED:	8/26/2025
			SHEET: 1 OF 1

100010021.idw