

6

5

4

3

2

1

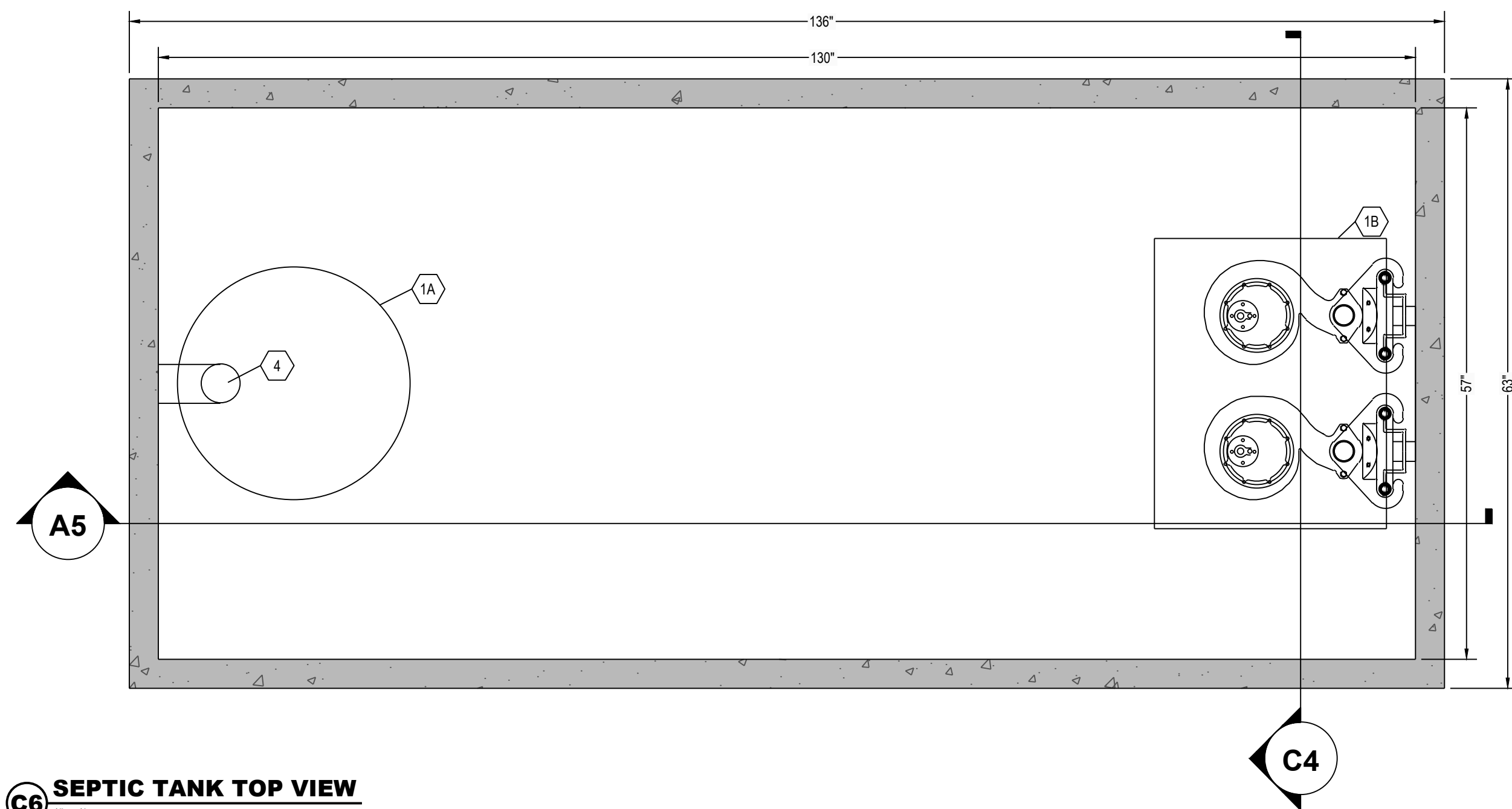
E

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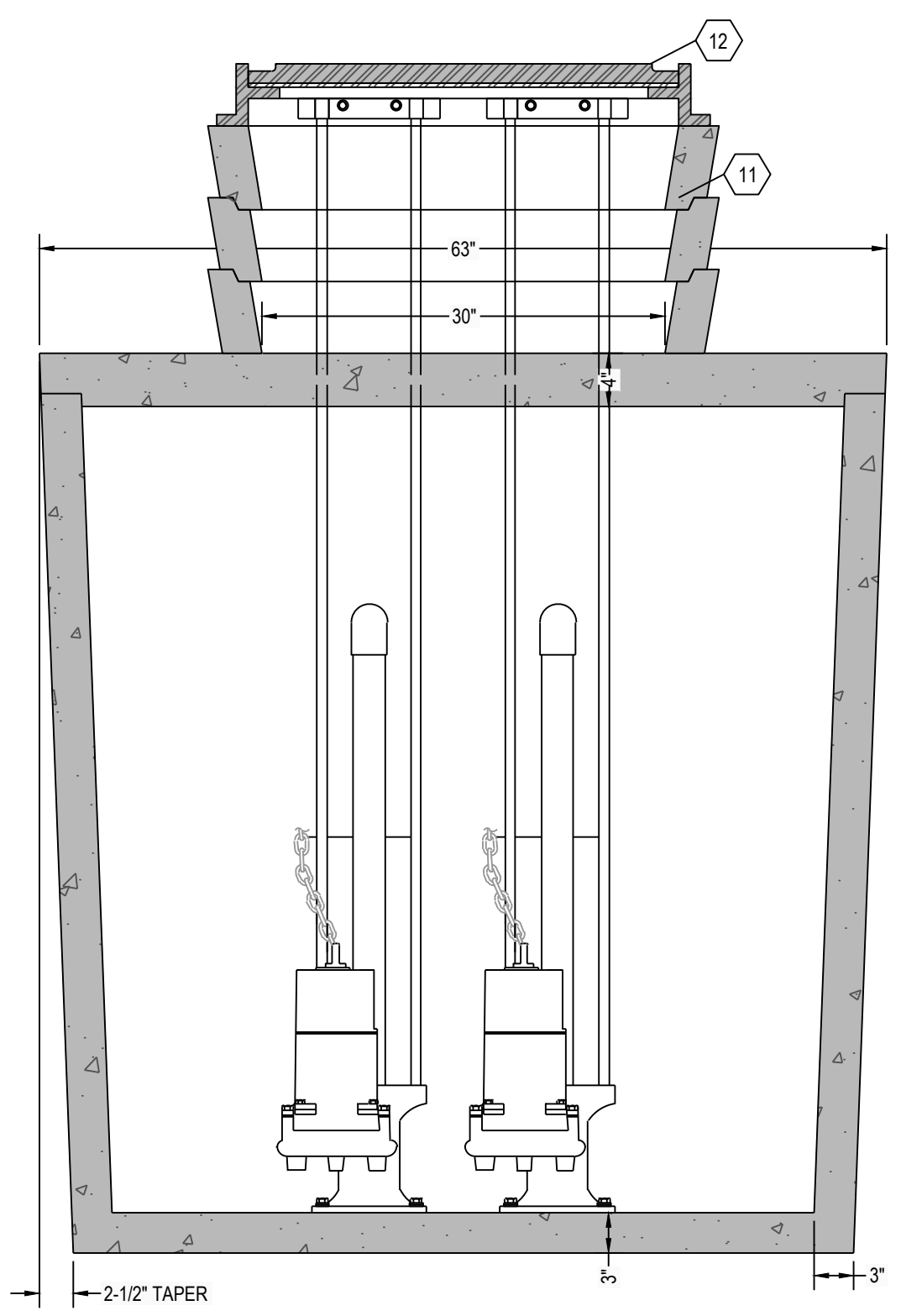
C

B

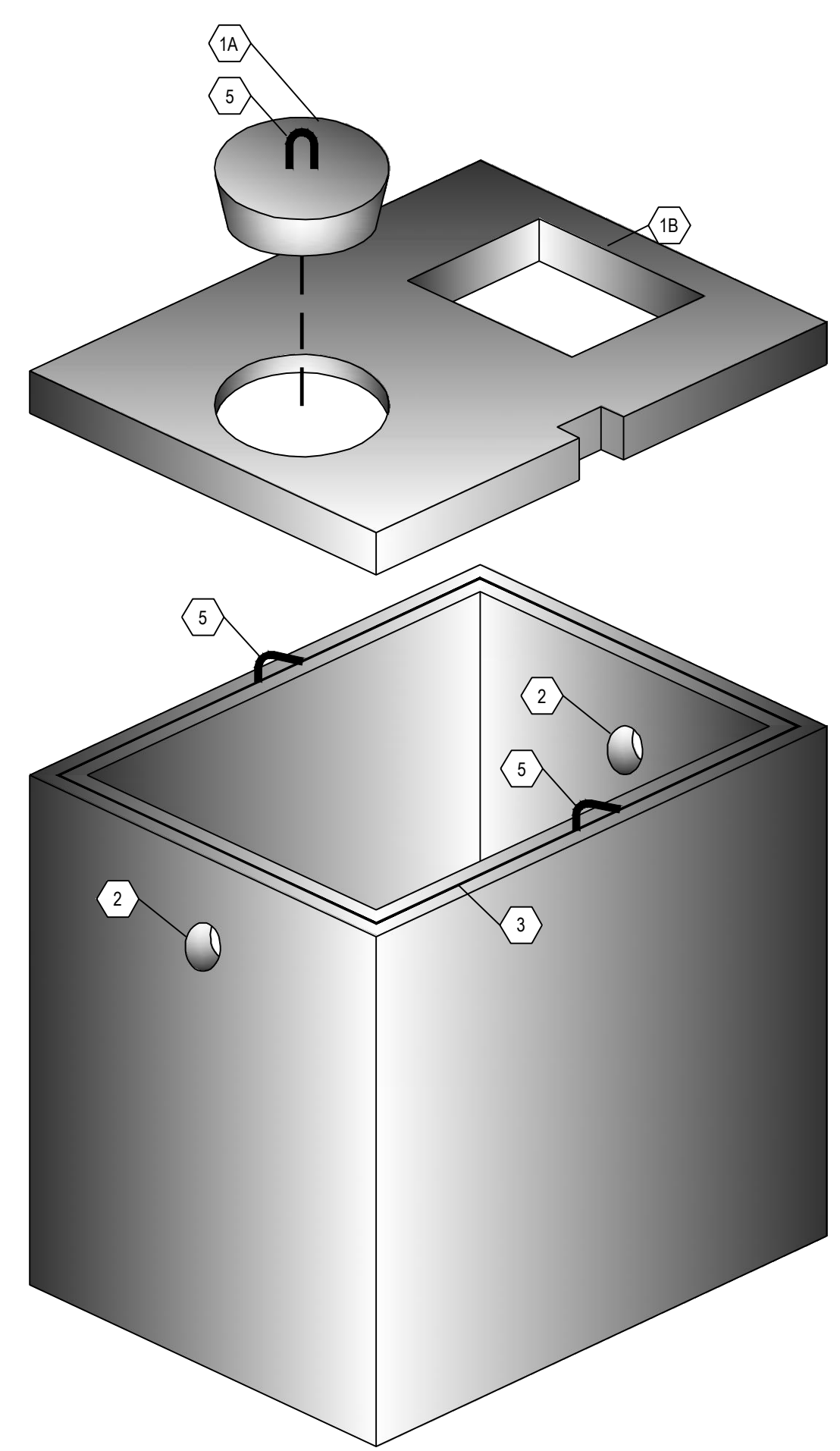
A



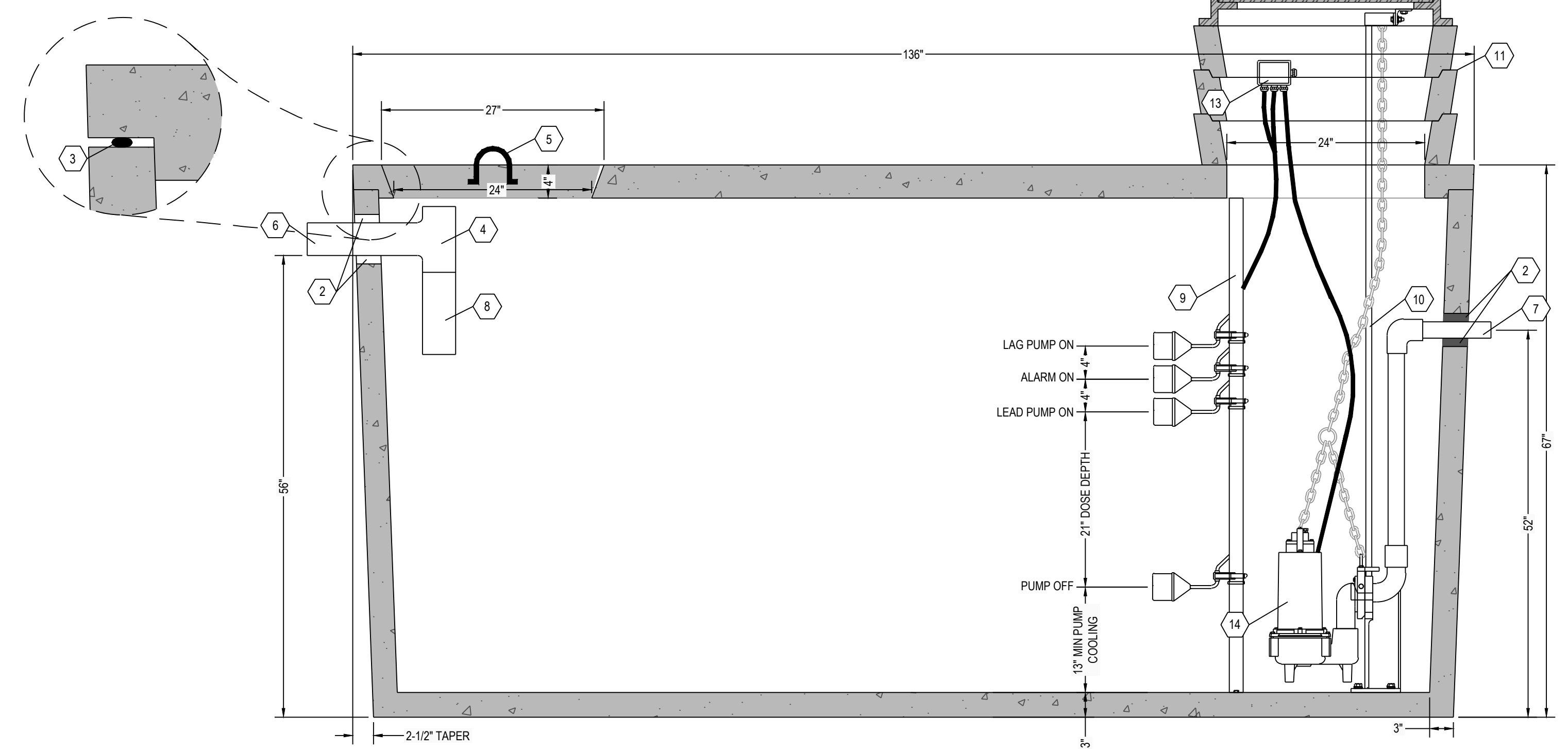
C6 SEPTIC TANK TOP VIEW
1" = 1"



C4 SEPTIC TANK SECTION VIEW
1" = 1"



A6 THREE DIMENSIONAL ISOMETRIC VIEW
NTS



A5 SEPTIC TANK SECTION VIEW
1" = 1"

DESIGN DATA:

1. EARTH COVER = 3 FEET MAX
2. ALLOWABLE WHEEL LOAD = 2500 LB MAX
3. CONCRETE MINIMUM COMPRESSIVE STRENGTH = 5,090 PSI @ 28 DAYS
4. LIFTING HOOKS ARE 1/2" DIAMETER, ASTM A36 COLD ROLLED STEEL
5. SEPTIC TANK LID IS REINFORCED WITH 6 X 6 W8.0 X W8.0 WELDED WIRE FABRIC
6. SEPTIC TANK BOTTOM AND SIDES ARE REINFORCED WITH 6 X 6 W10.0 X W10.0 WELDED WIRE FABRIC
7. ALL CONCRETE SURFACES ARE COATED WITH AIRLESS ASPHALT.

CASTING WEIGHTS

WEIGHT OF LID: 2,725.0 LBS
 WEIGHT OF TANK: 7,744.5 LBS
 TOTAL CASTING WEIGHT: 10,469.5 LBS

DOSING TANK CAPACITY:

28.1 GALLONS PER INCH
 MAXIMUM DOSE = XXX GALLONS (XX)
 PUMP COOLING = 365 GALLONS (13")
 UNUSED (LAG AND ALARM) = 225 GALLONS (8")
 TOTAL = XXX GALLONS (XX)

NOTES:

1. SET PUMP ON FLOAT SWITCH ELEVATION ACCORDING TO ELEVATION TABLE (BELOW); WHICH YIELDS THE REQUIRED DOSE VOLUME OF XXX GALLONS.
2. CONTRACTOR SHALL INSTALL CONTROL PANEL ACCORDING TO PUMP MANUFACTURER'S RECOMMENDATION.
3. COORDINATE POWER & ALARM SERVICE PRIOR TO CONSTRUCTION ACTIVITIES
4. ONLY NON-CORROSIVE MATERIALS SHALL BE UTILIZED WITHIN THE DOSING TANK AND FOR THE RISER AND LID (NO GALVANIZED, PAINTED, OR EXPOSED STEEL).
5. AUDIO VISUAL ALARM CIRCUIT MUST LOCK ON WITH ANY PUMP FAILURE WITH MANUAL RESET.

DOSING CHAMBER ELEVATIONS	
DESCRIPTION	ELEVATION (FEET)
BOTTOM OF CHAMBER	0.00
PUMP OFF	1.08
PUMP ON	2.83
ALARM	3.17
LAG PUMP ON	3.50

NOTE:

1. 24" DIAMETER POLY RISERS & LIDS OR 24" DIAMETER CONCRETE GRADE RINGS OR LARGER CUSTOM RECTANGULAR RISERS WITH ALUMINUM HATCHES ARE AVAILABLE AS SUBSTITUTES TO CONCRETE GRADE RINGS AS SHOWN HEREON.
2. HIGH PRESSURE CLOSED END BOOT SEALS ARE AVAILABLE AS SUBSTITUTES TO RUBBER GASKET TYPE SEALS AS SHOWN HEREON.

KEYNOTE INDEX

1A	24" DIAMETER MANWAY
1B	24" X 30" MANHOLE OPENING
2	HIGH PRESSURE CLOSED END BOOT SEAL
3	MASTIC ROPE
4	SANITARY TEE AT INLET
5	1/2" DIAMETER LIFTING HOOKS
6	4" DIAMETER INLET (6" AVAILABLE UPON REQUEST)
7	X" DIAMETER OUTLET
8	12" EXTENSION AT INLET
9	FLOAT POLE ASSEMBLY WITH STAINLESS STEEL HARDWARE
10	RAIL SYSTEM WITH STAINLESS STEEL RAILS & HARDWARE
11	CONCRETE GRADE RING (AS NECESSARY)
12	LOCKABLE ALUMINUM HATCH & FRAME
13	WATERTIGHT ELECTRICAL JUNCTION BOX
14	DOSING PUMP

RENSELAER SEPTIC TANKS

1211 NORTH WESTON STREET
 P.O. BOX 70
 RENNELAER, INDIANA 47978
 phone: (219) 866-5063
 (800) 240-5123
 fax: (219) 866-3894

PROJECT NAME
 CLIENT NAME
 ADDRESS

PROJECT NO:
 FILE: 1500 GAL- SINGLE NT- DUPLEX.DWG
 DRAWN BY: ASJM
 CHECKED BY: PEW

TITLE:
**MANUFACTURER'S
 DETAIL DRAWING**
 1500 GALLON DUPLEX CHAMBER
 NO TRAFFIC

R-000

* ALL RENNELAER SEPTIC TANKS ARE MONOLITHICALLY Poured *

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