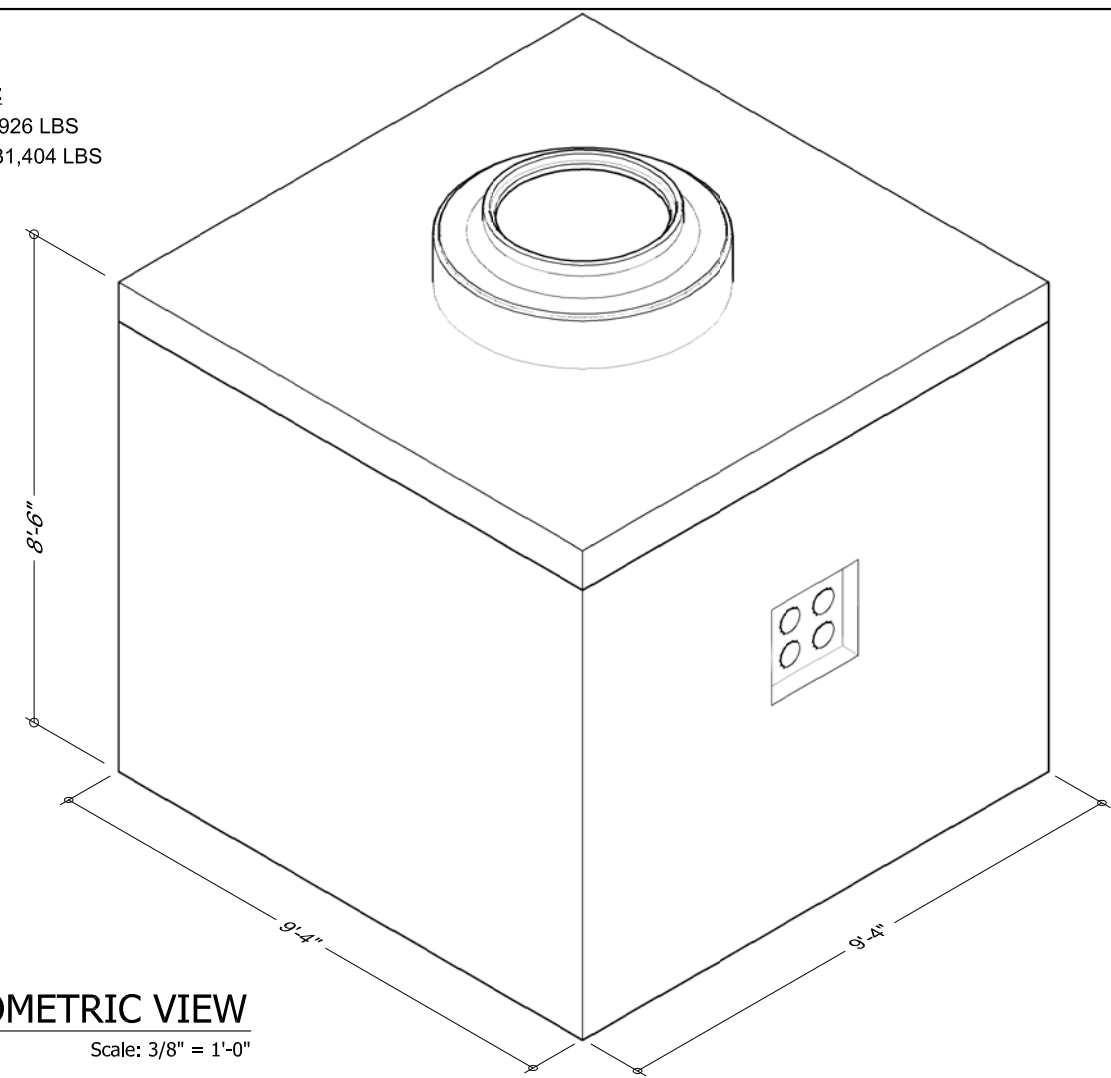


WEIGHT:
 LID = 10,926 LBS
 BASE = 31,404 LBS



DESIGN NOTES

THE STRUCTURAL NOTES BELOW ARE FOR STANDARD VAULTS. WE CAN DESIGN VAULTS TO MEET OTHER SPECIFICATIONS.

1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH $f_c = 6,500$ PSI
2. REBAR: ASTM A-615 GRADE 60
3. MESH: ASTM A-185 GRADE 65
4. DESIGN: AASHTO HS-25 TRUCK WHEEL.

ASTM C-857 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES."

ASTM C-858 "UNDERGROUND PRECAST UTILITY STRUCTURES"

30% IMPACT PER ASTM C-857 FOR LESS THAN 12" SOIL COVER

SOIL DENSITY 120 PCF

40 PCF E.F.P. LATERAL SOIL PRESSURE ABOVE WATER TABLE

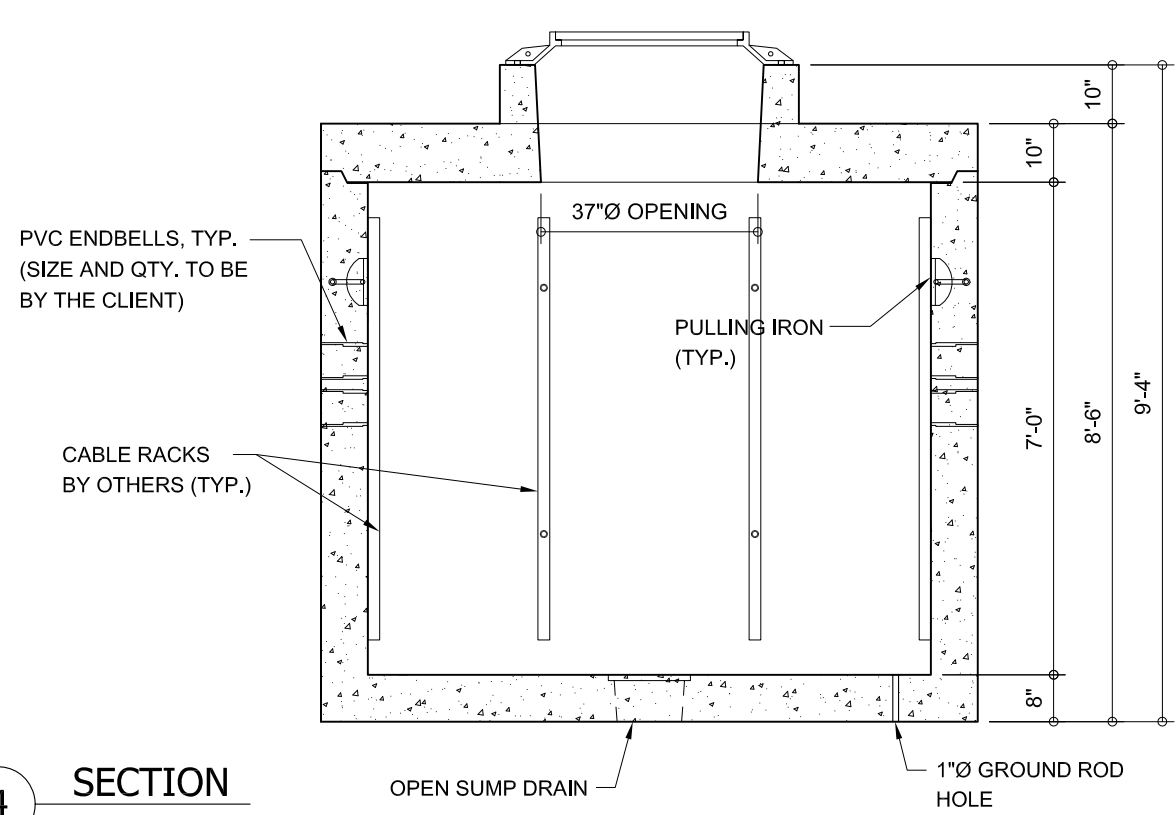
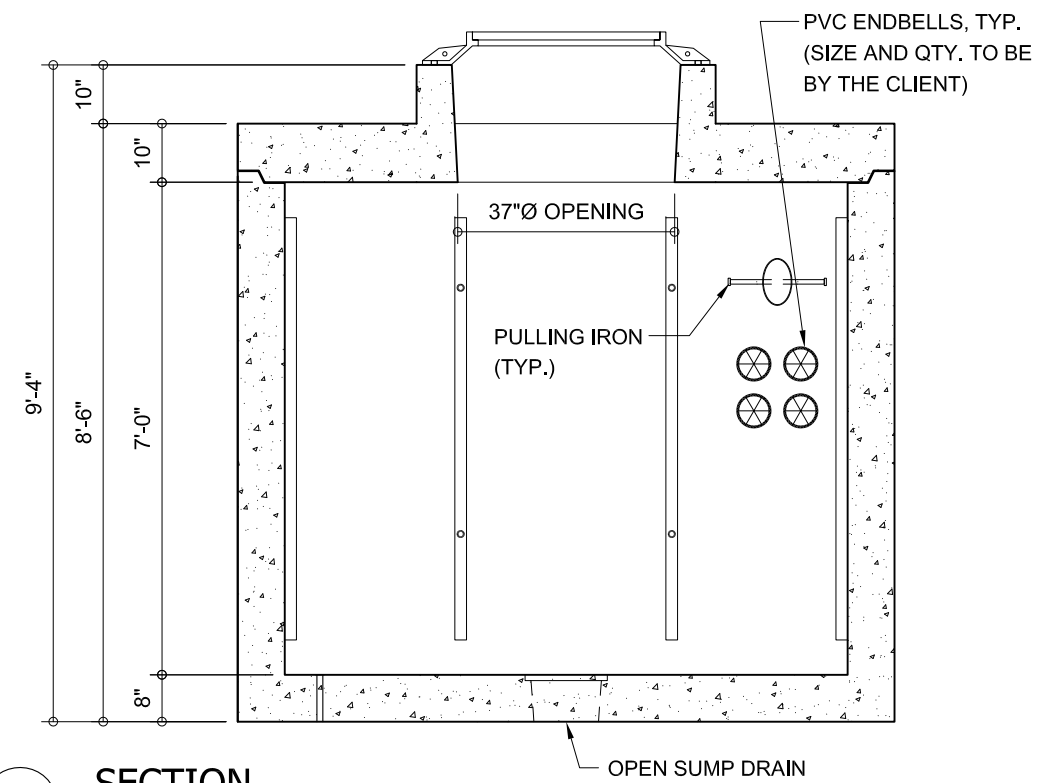
80 PCF E.F.P. LATERAL SOIL PRESSURE BELOW WATER TABLE

TOP OF VAULT 10" BELOW FINISHED GRADE

WATERTABLE 5'-0" BELOW FINISHED GRADE

1 PLAN
 Scale: 3/8" = 1'-0"

2 ISOMETRIC VIEW
 Scale: 3/8" = 1'-0"



WE CAN PROVIDE DRAWINGS AND CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER

MANHOLE
 8' W x 8' L x 7' D WITH 37"Ø OPENING
 IN LID AND 10" RISER

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PROJECT:	PROJECT NO:
ENGINEER:	COORDINATOR:
DRAWN BY:	DATE:
CHECKED BY:	DATE: