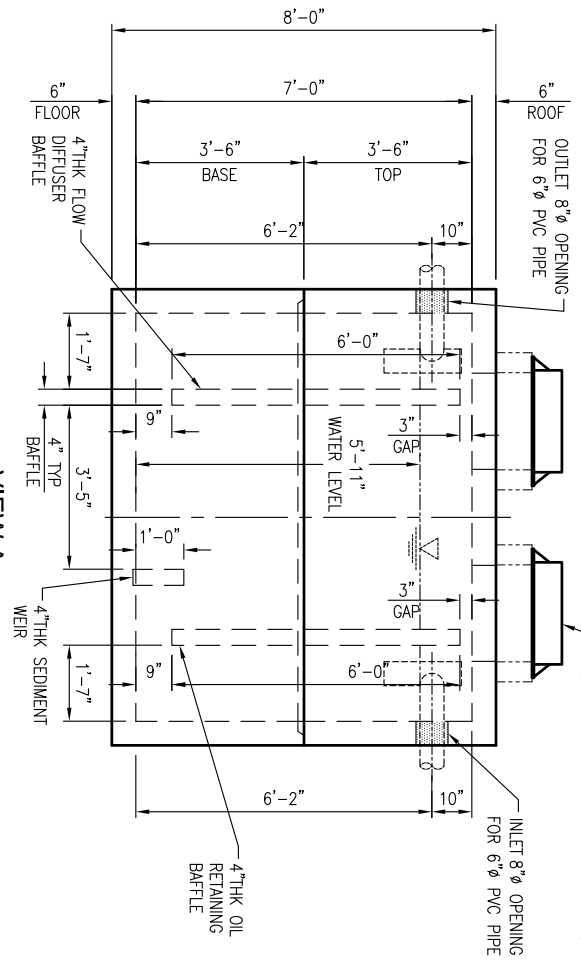


PLAN VIEW
SCALE: 1/4" = 1'-0"



VIEW A
SCALE: 1/4" = 1'-0"

GENERAL DESIGN NOTES:

1. STRENGTH DESIGN METHOD I.A.W. ACI 318
2. APPLICABLE DESIGN CODES:
 - ACI 318 (MAIN DESIGN SPECIFICATION)
 - ASTM C913 (PRODUCT SPECIFICATION)
 - ASTM C890 (LOADING SPECIFICATION)
3. PRECAST RATED FOR HS20 LIVE LOAD W/ IMPACT I.A.W. AASHTO SPECIFICATION
4. DESIGN FILL RANGE = 0'(MIN) TO 3'(MAX).
5. GROUND WATER TABLE FOR STRUCTURAL CALCULATIONS IS BASED UPON GROUND WATER TABLE AT 5'-0" BELOW GRADE. IF DESIGN (OR ACTUAL) WATER TABLE IS LESS THAN ASSUMED, REVIEWING ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE PRECAST, INC. UPON REVIEW OF THIS SUBMITTAL.
6. LATERAL DESIGN PRESSURES:
 - EQUIV DRY SOIL FLUID PRESSURE = 47 PCF
 - EQUIV SATURATED SOIL FLUID PRESSURE = 85 PSF
 - LIVE LOAD SURCHARGE PRESSURE = 2'
7. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS = 6,000 PSI
8. REINFORCEMENT: ASTM A615, GRADE 60.
9. JOINT SEALANT: BUTYL RUBBER, SS-41002/10
10. THESE CALCULATIONS DO NOT INCLUDE ANY LATERAL OR SURCHARGE LOADS PRODUCED BY OTHER FOOTINGS OR FOUNDATIONS ADJACENT TO THIS STRUCTURE. THIS STRUCTURE SHALL BE KEPT A MINIMUM OF 1:1 RATIO AWAY FROM OTHER FOOTINGS OR FOUNDATIONS.

NOTES TO CONTRACTOR:

1. PLEASE VERIFY ALL SIZES, LOCATIONS, AND ELEVATIONS OF OPENINGS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COORDINATION TO ENSURE THAT AN ADEQUATE BEARING SURFACE IS PROVIDED (I.E. LEVEL AND COMPACTED) PER PROJECT SPECIFICATIONS AND DRAWINGS.
3. AFTER PIPES ARE INSTALLED IN BLOCKOUTS, ALL ANNULAR SPACES SHALL BE FILLED WITH A MIN. OF 3,000 psi CONCRETE, TIGHT TO THE UNDERSIDE OF UPPER SECTION FOR FULL THICKNESS OF VAULT WALL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO SUPPLY AND INSTALL ALL PIPING AND SAMPLING TEES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO FILL WITH CLEAN WATER PRIOR TO "START-UP" OF SYSTEM.
6. STRUCTURE IS NOT DESIGNED FOR INTERNAL WATER PRESSURE PRIOR TO BACKFILLING. THE CONTRACTOR SHALL BACKFILL STRUCTURE PRIOR TO TESTING OR PLACING IN SERVICE.

NOTES TO REVIEWING ENGINEER:

1. DESIGN AS SHOWN HEREIN IS APPLICABLE ONLY TO STRUCTURAL PERFORMANCE OF PRECAST. CAPACITY (GALLONS) SHALL BE DETERMINED BY OTHERS BASED ON SPECIFIC PROJECT REQUIREMENTS.

THIS MUST BE FILLED OUT BEFORE MANUFACTURING BEGINS.

APPROVED W/ NO EXCEPTIONS MARK	<input type="checkbox"/>
APPROVED AS NOTED	<input type="checkbox"/>
REMOVED AND RESUBMIT:	<input type="checkbox"/>
SIGNATURE	DATE

WEIGHTS

SECTION	WEIGHTS	CORRECTION
3.00' TOP	10,900	2.67
3.00' BASE	11,300	2.77
FLOW BAFFLE	1,400	0.35
SLUDGE BAFFLE	250	0.06
OIL BAFFLE	1,400	0.35
PRECAST TOTAL	25,250	

4801 STOUGHRO, CONCORD, NC
OFFICE 704-784-4000, FAX 704-784-0000
NC ENGINEERING LICENSE #E-1002

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE PRECAST, INC. IT IS CONFIDENTIAL. SUBMITTER FOR REFERENCE PURPOSES ONLY, AND SHALL NOT BE USED IN ANY WAY IN VIOLATION TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE PRECAST, INC. COPYRIGHT © 2010 OLDCASTLE PRECAST, INC. ALL RIGHTS RESERVED.

1,600 GALLON OIL WATER SEPARATOR
SUBMITTAL
4-6'x9-6'x7' ID VAULT

DATE	SALES	DRAWN	ENGINEER	CHECKED	SALES ORDER
7/19/17	---	PPS	EMT	---	SHEET
		DRAWING NUMBER	REVISION	REV DATE	1 OF 7
		1800-FOQJMS	---	---	

REV	DATE	BY	SHEET	REVISIONS
4				DESCRIPTION OF REVISION
3				REQUESTED BY