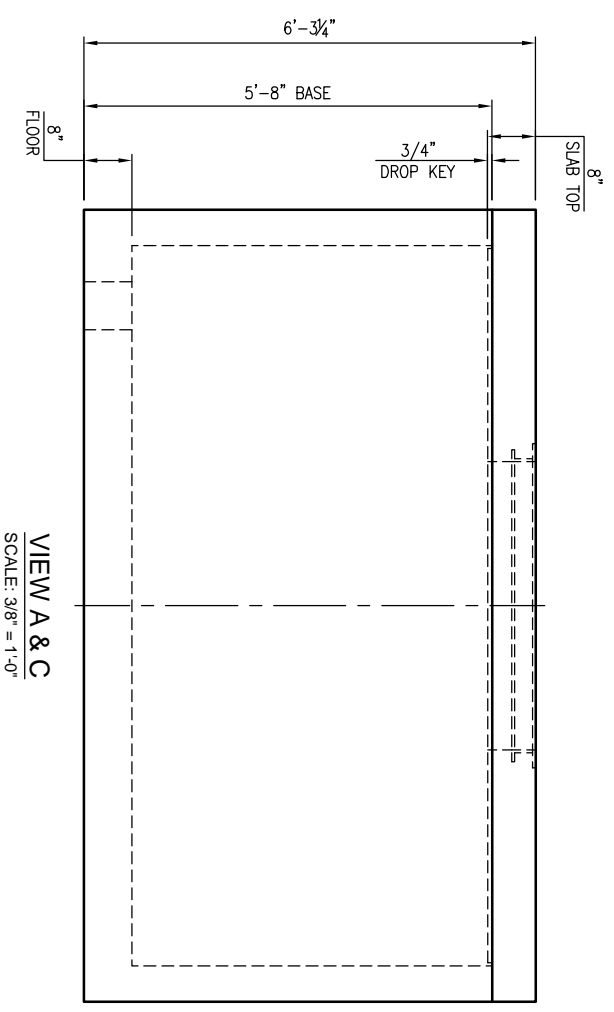
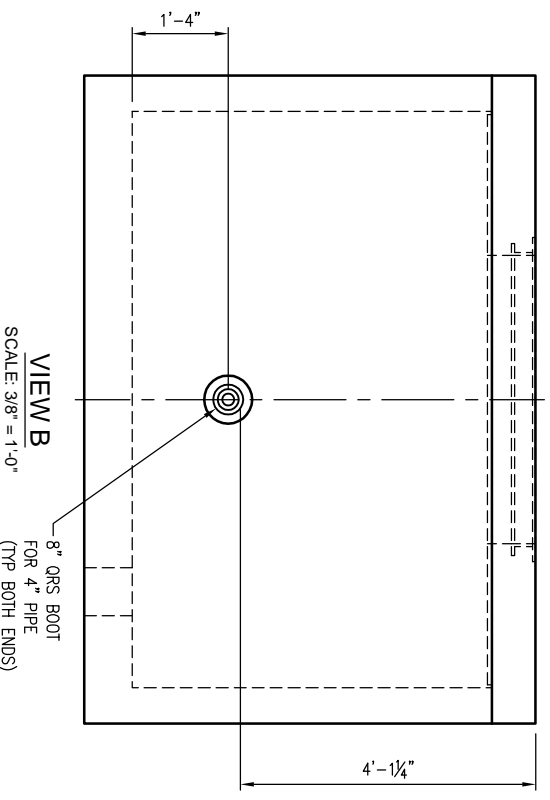


PLAN VIEW  
SCALE: 3/8" = 1'-0"



VIEW A & C  
SCALE: 3/8" = 1'-0"



VIEW B  
SCALE: 3/8" = 1'-0"

NOTES TO CONTRACTOR:

- PLEASE VERIFY ALL SIZES, LOCATIONS, AND ELEVATIONS OF OPENINGS.
- 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.
- 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.

GENERAL DESIGN NOTES:

- STRENGTH DESIGN METHOD IN ACCORDANCE WITH (I.A.W.) ACI 318.
- APPLICABLE DESIGN DOCUMENTS (CURRENT EDITIONS):
  - ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (MAIN DESIGN SPECIFICATION).
  - ASTM C890 STANDARD PRACTICE FOR MINIMUM STRUCTURAL LOADING FOR MONOLITHIC OR SECTIONAL PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES (LOADING SPECIFICATION).
  - ASTM C913 STANDARD SPECIFICATION FOR PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES (PRODUCT SPECIFICATION).
- PRECAST RATED FOR HS20-44 TRUCK LIVE LOAD W/IMPACT I.A.W. ASTM C890.
- DESIGN FILL AT GRADE.
- GROUND WATER TABLE ASSUMED BELOW INVERT OF BOX. IF DESIGN (OR ACTUAL) WATER TABLE IS LESS THAN ASSUMED, REVIEWING ENGINEER TO NOTIFY OLDCASTLE PRECAST UPON REVIEW OF THIS SUBMITTAL.
- LATERAL DESIGN PRESSURES (AS APPLICABLE TO DESIGN, SEE CALCULATIONS):
  - EQUIV DRY SOIL FLUID PRESSURE = 47 PCF.
  - EQUIV SATURATED SOIL FLUID PRESSURE = 85 PCF.
  - LIVE LOAD SURCHARGE PRESSURE = 80 PSF.
  - HYDROSTATIC WATER PRESSURE = 62.4 PCF.
- DESIGN CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS = 5,000 PSI (MIN).
- REINFORCEMENT: OLDCASTLE PE (DESIGN ENGINEER) MAY SUBSTITUTE THE REINFORCEMENT SHOWN HEREIN TO AN EQUIVALENT REINFORCEMENT ALTERNATIVE NOTED BELOW.
  - CARBON-STEEL DEFORMED BARS: ASTM A615, fy = 60KSI (MIN).
- JOINT SEALANT (AS DETAILED AND NOTED IN DRAWINGS HEREIN):
  - CS-102 CONSEAL BUTYL RUBBER SEALANT (OR EQUIV.) I.A.W. ASTM C990 FED. SPEC. SS-S-210.
- PRECAST DESIGN DOES NOT INCLUDE ANY LATERAL OR SURCHARGE LOADS FROM OTHER BUILDINGS OR FOUNDATIONS ADJACENT TO THIS STRUCTURE. THIS STRUCTURE SHALL BE KEPT A MINIMUM OF 1:1 RATIO AWAY FROM OTHER FOOTINGS OR FOUNDATIONS.

WEIGHTS		
SECTION	WEIGHT (lb)	Completion
8" SLAB TOP	8,200	2.02
5.67' BASE	24,100	5.95
<b>TOTAL</b>	<b>32,300</b>	



\*\*THIS MUST BE FILLED OUT BEFORE MANUFACTURING BEGINS.\*\*

APPROVED W/ NO EXCEPTIONS TAKEN:

APPROVED AS NOTED:

REVISED AND RESUBMIT:

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

8X10' ID METER VAULT  
SUBMITTAL LAYOUT  
4" WATER METER VAULT  
CARY, NC

CUSTOMER: \_\_\_\_\_

DATE	SALES	DRAWN	ENGINEER	CHECKED	SALES ORDER
4/28/17	ER	TE	EJMT	LD	
	DRAWING NUMBER			REVISION	SHEET
	810MW Cary 450-S109803-001			REV/DATE	1 OF 1

REVISIONS

REVISION	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY
A					
B					