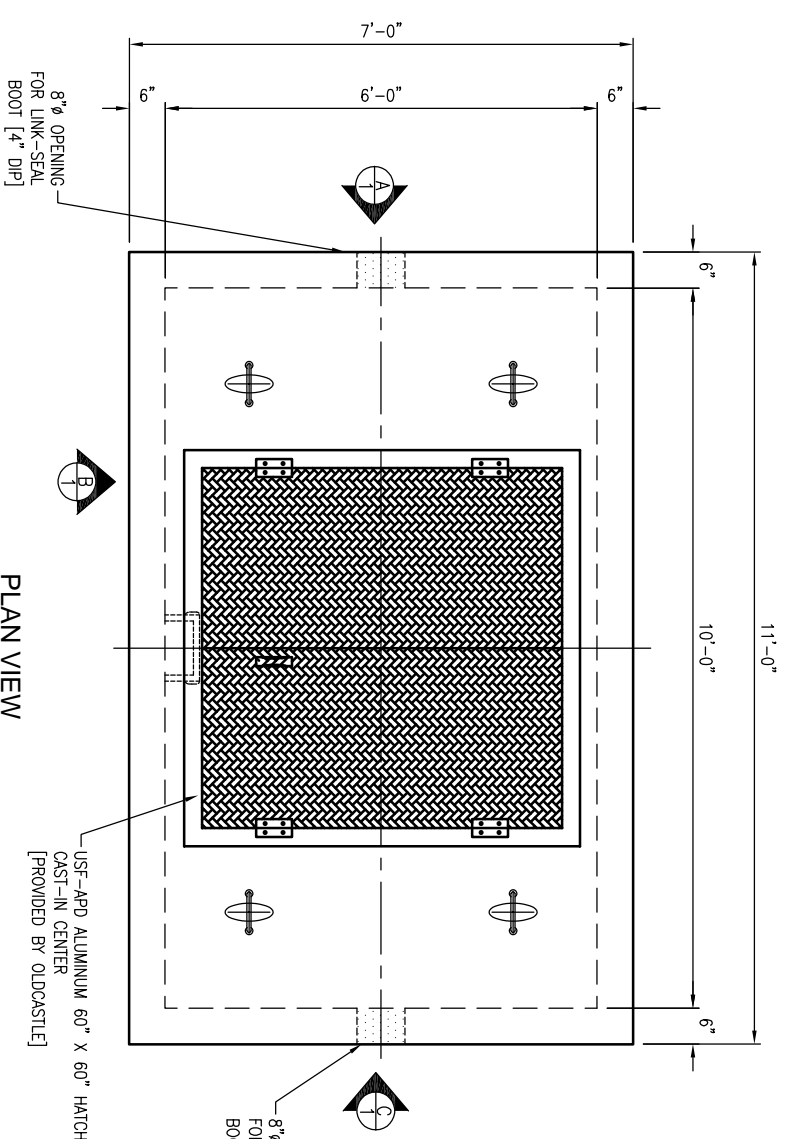


## GENERAL DESIGN NOTES:

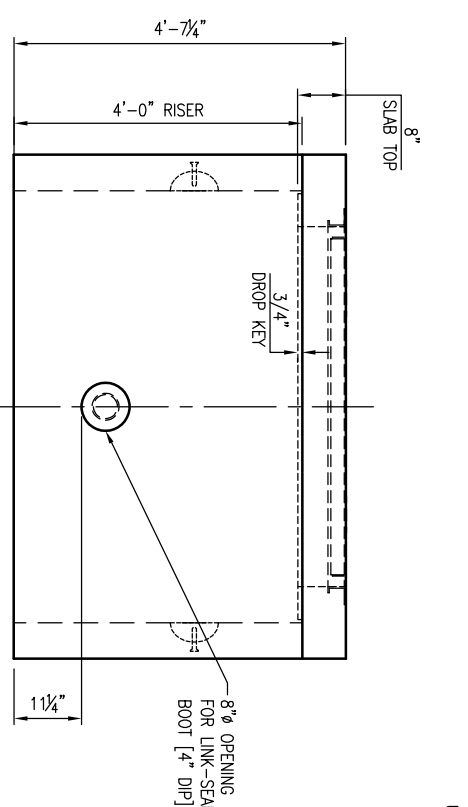
- STRENGTH DESIGN METHOD IN ACCORDANCE WITH (I.A.W.) ACI 318.
- APPLICABLE DESIGN DOCUMENTS (CURRENT EDITIONS):
  - ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (MAIN DESIGN SPECIFICATION).
  - ASTM C890 STANDARD PRACTICE FOR MINIMUM STRUCTURAL LOADING FOR MONOLITHIC OR SECTIONAL PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES (LOADING SPECIFICATION).
  - ASTM C913 STANDARD SPECIFICATION FOR PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES (PRODUCT SPECIFICATION).
- PRECAST RATED FOR PEDESTRIAN (300 PSF) LIVE LOAD W/ IMPACT I.A.W. ASTM C890.
- DESIGN FILL AT GRADE.
- GROUND WATER TABLE ASSUMED 3'-6" BELOW GRADE. 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 = 86 PCF.
  - LIVE LOAD SURCHARGE PRESSURE = 2'.
  - HYDROSTATIC WATER PRESSURE = 62.4 PCF.
- DESIGN CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS = 4,000 PSI (MIN).
- REINFORCEMENT:
  - CARBON-STEEL DEFORMED BARS: ASTM A615,  $f_y = 60$ KSI (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.

## NOTES TO CONTRACTOR:

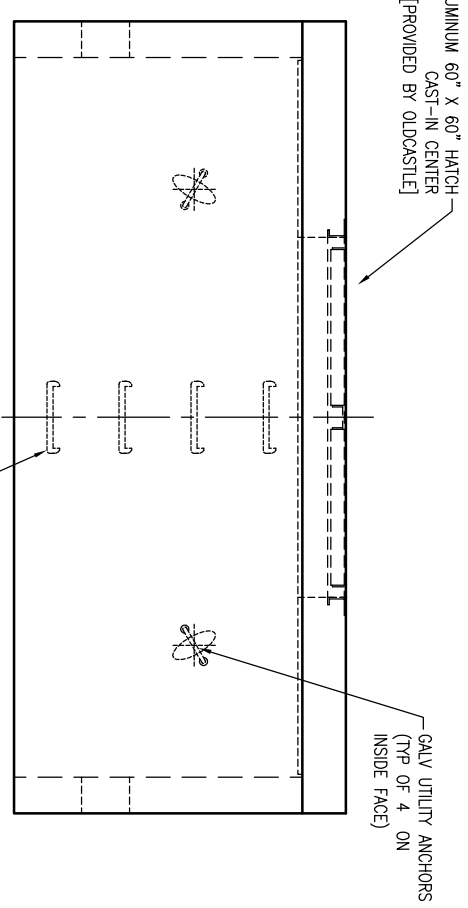
- CONTRACTOR SHALL PROVIDE ALL FITTINGS, PIPING, ETC. PER PMC SPECIFICATIONS.
- CONTRACTOR SHALL BACKFILL DOORHOUSE OPENINGS WITH BRICK AND MORTAR PER CITY/COUNTY SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE 12" GRAVEL BASE AND CAP BLOCK FOOTING PER CITY/COUNTY SPECIFICATIONS (I.E. LEVEL AND COMPACTED)



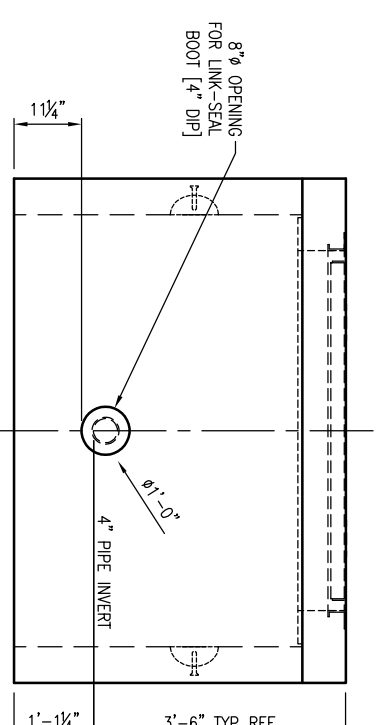
PLAN VIEW  
SCALE: 3/8" = 1'-0"



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



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



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

WEIGHTS		
SECTION	WEIGHT (lb)	CONCRETE (CY)
8" SLAB TOP	5,500	1.31
48" RISER	10,200	2.52
TOTAL	15,700	



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**6X10X4' ID METER VAULT (4" METER)**  
SUBMITTAL LAYOUT  
CITY OF DURHAM

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

APPROVED W/ NO EXCEPTIONS TAKEN:

APPROVED AS NOTED:

REVISED AND RESUBMIT:

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

## REVISIONS

REVISION	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY
A					
B					

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

DATE	SUBS	DRAWN	ENGINEER	CHECKED	SALES ORDER
9/12/17		LD			

DRAWING NUMBER: 610M-DURHAM (HATCH CAST-IN) REV/DWG: 1 OF 4