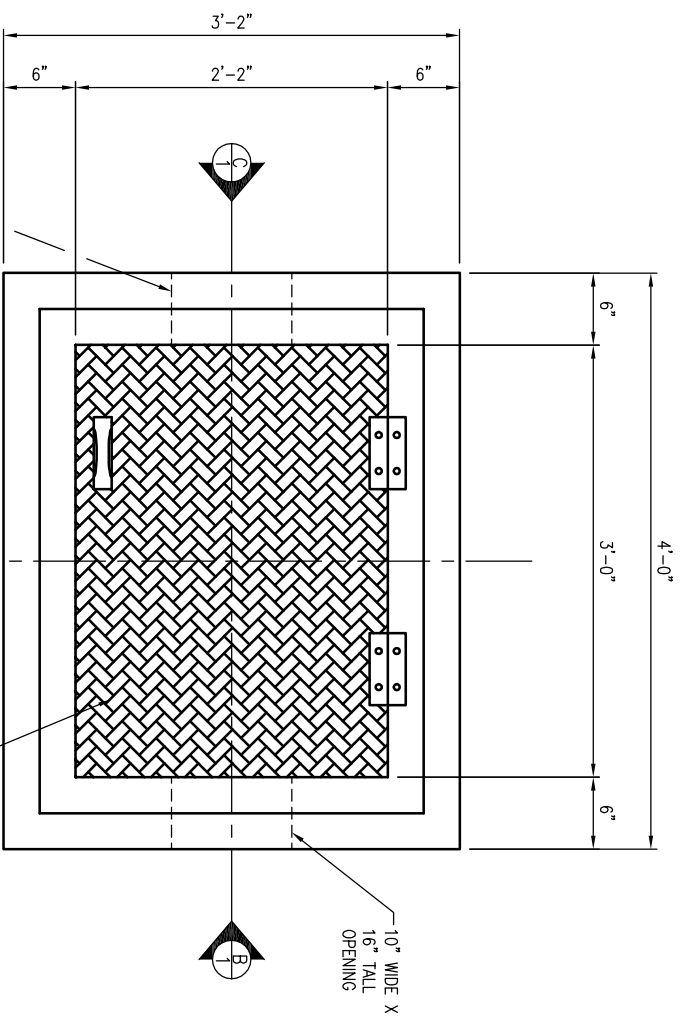


GENERAL DESIGN NOTES:

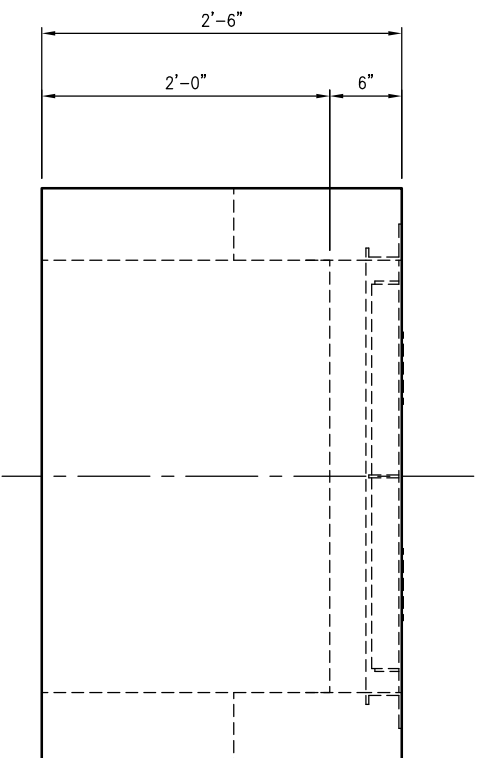
1. STRENGTH DESIGN METHOD IN ACCORDANCE WITH (I.A.M.), ACI 318.
2. APPLICABLE DESIGN DOCUMENTS (CURRENT EDITIONS):
 - ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (MAIN DESIGN SPECIFICATION).
 - ASTM C890 STANDARD PRACTICE FOR MINIMUM STRUCTURAL LOADING FOR MONOLITHIC OR SECTIONAL PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES (LOADING SPECIFICATION).
 - ASTM C913 STANDARD SPECIFICATION FOR PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES (PRODUCT SPECIFICATION).
3. PRECAST RATED FOR HS20-44 TRUCK LIVE LOAD W/ IMPACT I.A.W. ASTM C890.
4. DESIGN FILL: AT GRADE.
5. GROUND WATER TABLE ASSUMED @ 5' BELOW GRADE.
6. LATERAL DESIGN PRESSURES (AS APPLICABLE TO DESIGN, SEE CALCULATIONS):
 - EQUIV DRY SOIL FLUID PRESSURE = 47 PCF.
 - EQUIV SATURATED SOIL FLUID PRESSURE = 86 PCF.
 - HYDROSTATIC WATER PRESSURE = 62.4 PCF.
 - LIVE LOAD SURCHARGE = 80PSF.
7. DESIGN CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS = 4,000 PSI (MIN).
8. REINFORCEMENT:
 - CARBON-STEEL DEFORMED BARS: ASTM A615, fy = 60KSI (MIN).
9. JOINT SEALANT (AS DETAILED AND NOTED IN DRAWINGS HEREIN):
 - CS-102 CONSUAL BUTYL RUBBER SEALANT (OR EQUIV.) I.A.W. ASTM C990 FED. SPEC. SS-S-210.
10. 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:

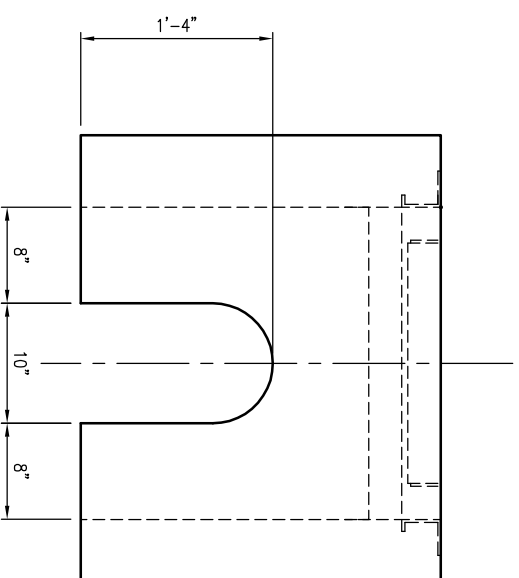
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COORDINATION TO ENSURE THAT AN ADEQUATE BEARING SURFACE IS PROVIDED (I.E. LEVEL AND COMPACTED) PER PROJECT SPECIFICATIONS.
2. AFTER PIPES ARE INSTALLED IN BLOCKOUTS, ALL ANNULAR SPACES SHALL ARE TO BE FILLED WITH A MIN. OF 3,000 psi CONCRETE, TIGHT TO THE UNDERSIDE OF UPPER SECTION FOR FULL THICKNESS OF PRECAST WALL.



PLAN VIEW
SCALE: 3/4" = 1'-0"



VIEW A
SCALE: 3/4" = 1'-0"



VIEW B & C
SCALE: 3/4" = 1'-0"

THIS MUST BE FILLED OUT BEFORE MANUFACTURING BEGINS

APPROVED W/ NO EXCEPTIONS TAKEN:

APPROVED AS NOTED:

REVISED AND RESUBMIT:

SIGNATURE

DATE

WEIGHTS		
SECTION	WEIGHT (lbs)	Comments
RETURN TOP	2,700	067



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26"X36" ID METR VAULT
SUBMITTAL LAYOUT
1.5' TO 2' WATER METER VAULT
RALEIGH, NC

CUSTOMER: **CITY OF RALEIGH**
DATE: 5/12/17
DRAWING NUMBER: KSS
City of Raleigh 1.5m to 2m WMV

DATE	DRAWN	ENGINEER	CHECKED	SALES ORDER
5/12/17	KSS	ET	ET	
	DRAWING NUMBER	REVISION	REV/DATE	SHEET
				1 OF 1

REVISION	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY
A					
B					

REVISIONS