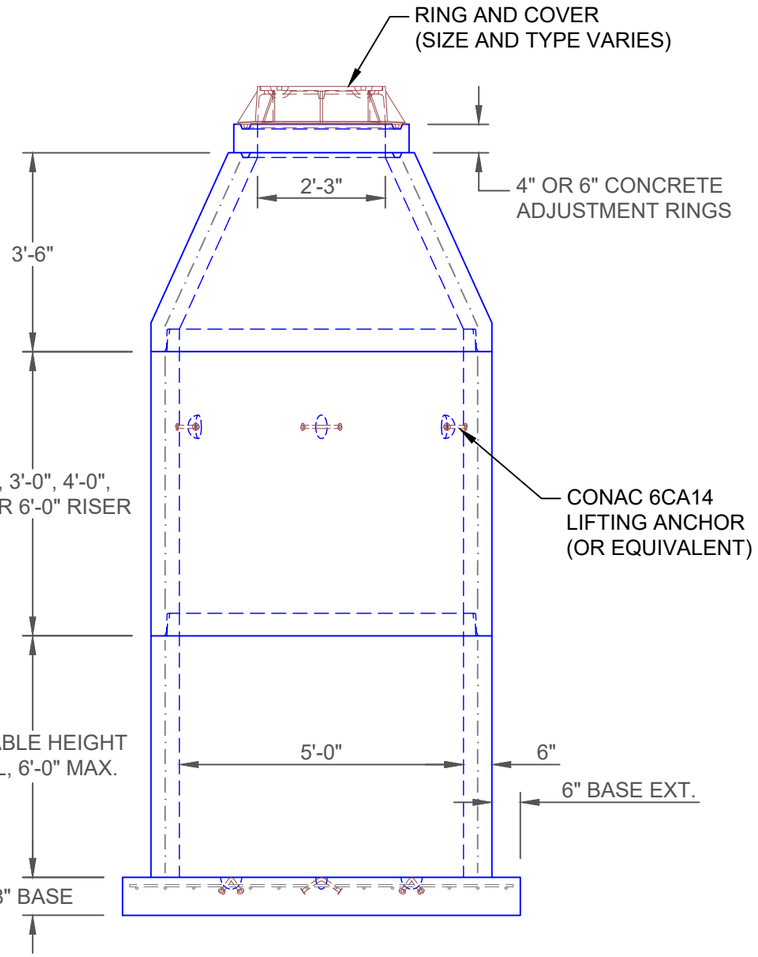
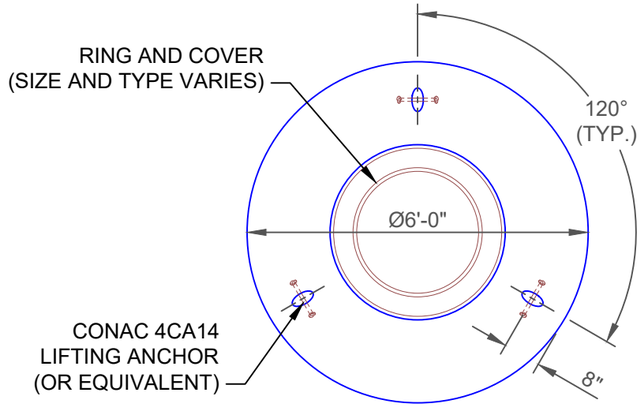
NOTES:

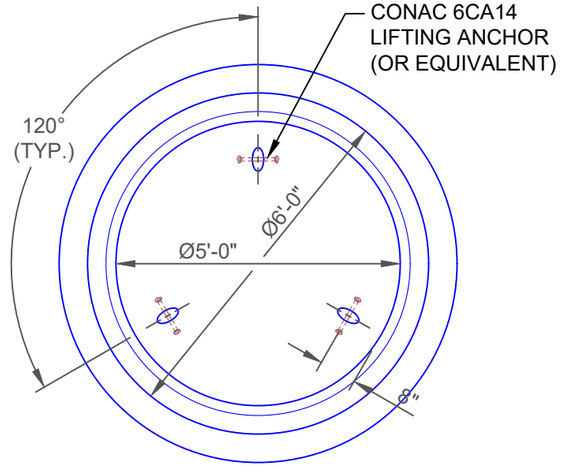
1. ALL MANHOLES MEET CURRENT ASTM C478 SPECIFICATIONS.
2. DIMENSIONAL TOLERANCES (+- $\frac{3}{8}$") NOT SHOWN ON THE JOINT DETAIL WILL BE IN ACCORDANCE TO ASTM C990; SECTION 7 "DESIGN OF JOINTS", SUBSECTION 8 "PERMISSIBLE VARIATION IN DIMENSIONS"
3. ALL REINFORCING IS GRADE 60 MINIMUM.
4. FOR ROUGH CUT OPENINGS, NON-SHRINK GROUT MEETING MANHOLE SPECIFICATIONS WILL BE USED FOR PIPE TO MANHOLE CONNECTIONS.
5. FOR PREFORMED GASKET CONNECTIONS, USE ALOK GASKETS AS MANUFACTURED BY A-LOK PRODUCTS, CORP.
6. JOINTS BETWEEN MANHOLE SECTIONS TO BE SEALED WITH TWO WRAPS OF EXTENDED BUTYL RUBBER JOINT MASTIC MEETING MANHOLE SPECIFICATIONS.



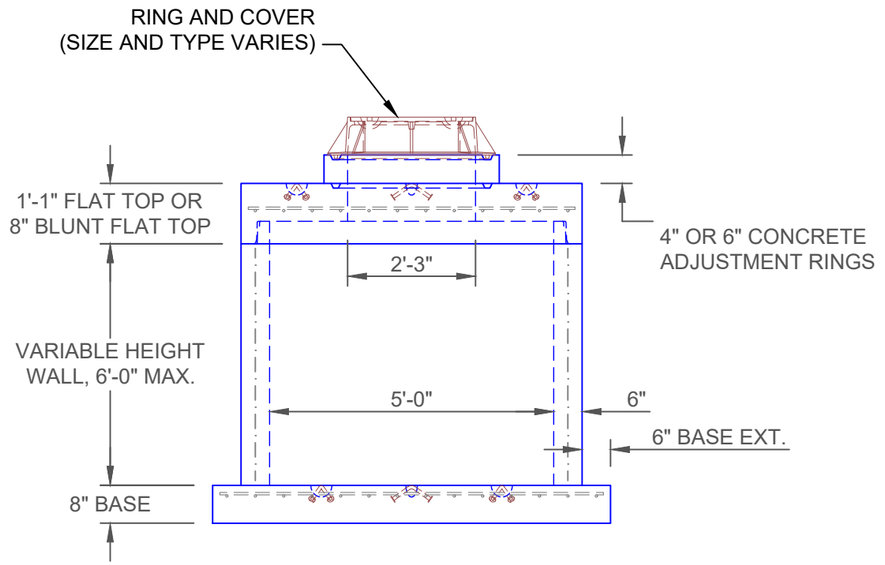
ELEVATION



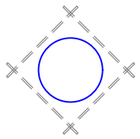
PLAN VIEW - FLAT TOP
SHOWING LIFTING ANCHOR LOCATIONS



PLAN VIEW - MANHOLE BASE
SHOWING LIFTING ANCHOR LOCATIONS



ELEVATION
SHALLOW MANHOLE



REINFORCING DETAIL
TYPICAL AT PIPE BLOCKOUTS

McPHERSON CONCRETE COMPANIES

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DESIGN INFORMATION:

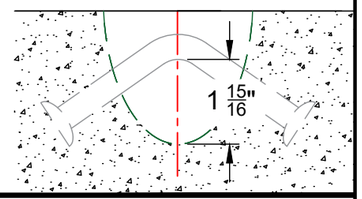
- F'c = 4,000 PSI
- Fy = 60,000 PSI

STRUCTURE WEIGHTS:

TOP = XX,XXX lbs
R1 = XX,XXX lbs
BR = XX,XXX lbs

LIFTING INFORMATION

F'c = 1,200 PSI
MIN CHOKER LENGTH = 10'-0"



Rev.	Date	Desc.
0-0	5/12/21	RELEASE

Job #	Project:	Client:	Drawn By:	Date:	Structure Type:	Structure ID:	Station Number:
-	-	-	JN	5/24/23	60"CONCENTRIC MANHOLE	-	-