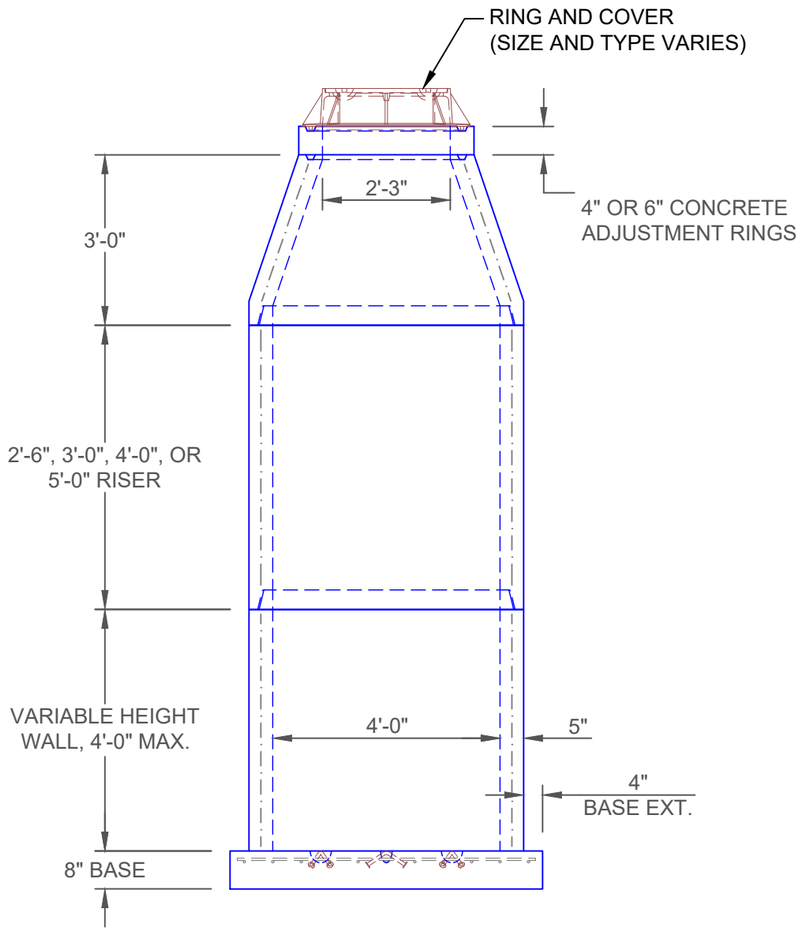
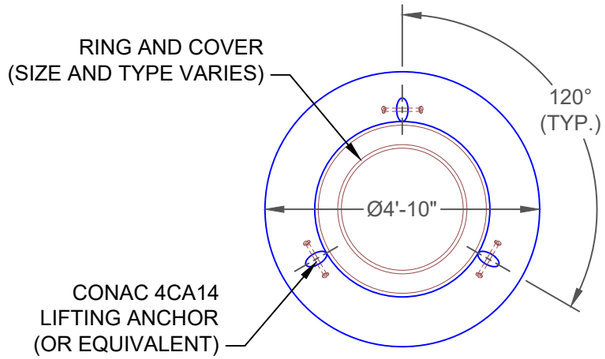
NOTES:

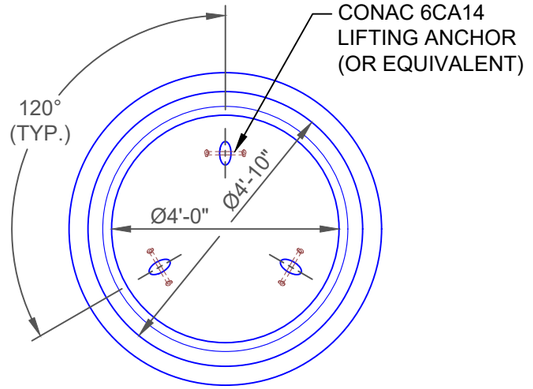
1. ALL MANHOLES MEET CURRENT ASTM C478 SPECIFICATIONS.
2. DIMENSIONAL TOLERANCES (+- $\frac{3}{8}$") NOT SHOWN ON THE JOINT DETAIL WILL BE IN ACCORDANCE TO ASTM C990; SECTION 7 "DESIGN OF JOINTS", SUBSECTION 8 "PERMISSIBLE VARIATION IN DIMENSIONS"
3. ALL REINFORCING IS GRADE 60 MINIMUM.
4. FOR ROUGH 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.



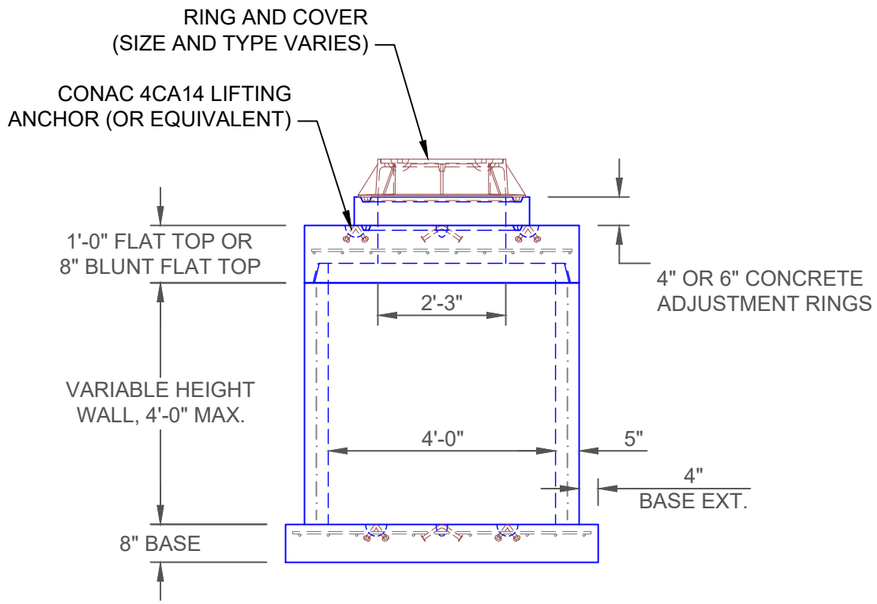
ELEVATION



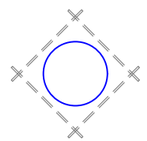
PLAN VIEW - FLAT TOP
SHOWING LIFTING ANCHOR LOCATIONS



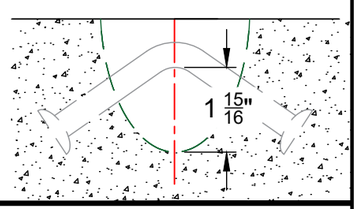
PLAN VIEW - MANHOLE BASE
SHOWING LIFTING ANCHOR LOCATIONS



ELEVATION
SHALLOW MANHOLE



REINFORCING DETAIL
TYPICAL AT PIPE BLOCKOUTS



McPHERSON CONCRETE COMPANIES

2022 MCC INTELLECTUAL PROPERTY NOTICE:

This drawing is the sole property of McPherson Concrete Companies. It is loaned to the recipient for his/her confidential use only; and in consideration of the loan of this drawing, the recipient agrees that this drawing shall not be reproduced, copied, loaned, nor used for any purpose other than for which it is specifically intended without the express consent of McPherson Concrete Companies.

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	48" CONCENTRIC MANHOLE	-	-