



Lakelands Concrete Products, Inc.
7520 East Main St., Lima, NY 14485
Phone: 585-624-1990, Fax: 585-624-2102

Web: www.lakelandsconcrete.com
E-mail: sales@lakelandsconcrete.com

Date: 9/23/09

DWG: 4 Foot Dia

4'-0" Diameter Manhole

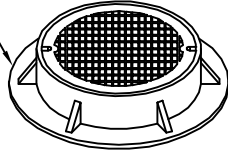
Design Criteria:

- Concrete: 4000 Psi @28 Days
- Entrained Air: 5% - 9%
- Design Loading: AASHTO H-25
- Reinforcement: BAR-ASTM A615 GR60
WWR-ASTM A185

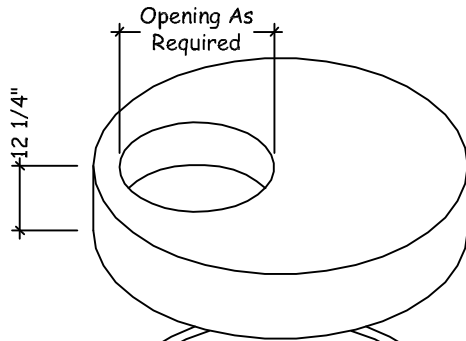
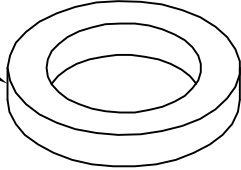
Specifications:

1. Joints Sealed With Butyl Sealant - ASTM C990
2. Monolithic Construction
3. Meets ASTM C478
4. Bitumastic Coating (If Required)
5. "O" Ring Gasket (If Required)
6. 3'-0" Eccentric Cone (If Required)

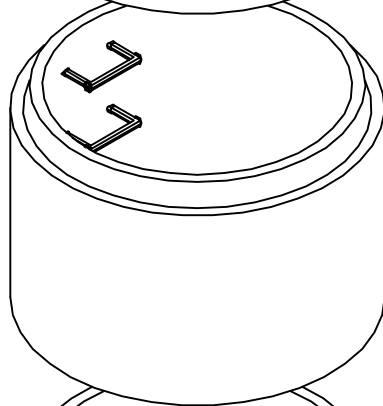
Syracuse Casting
Frame & Cover



6" Grade Ring
(If Required)
Note: Height
can vary

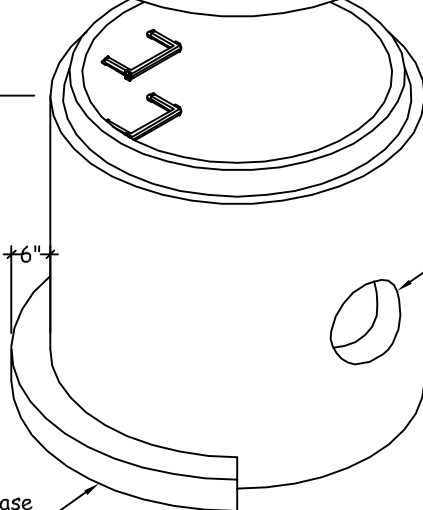


Riser Section
1'-0" - 4'-0"
6" Increments



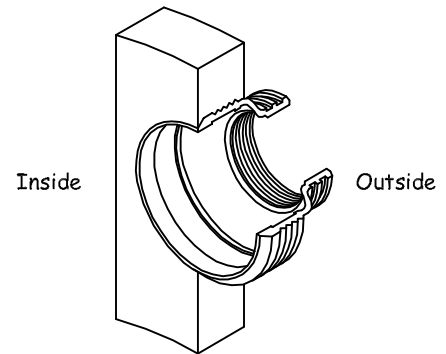
Base Section
2'-0" - 5'-0"
1'-0" Increments

6" Base

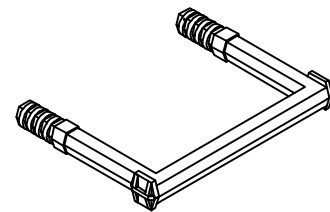


Extended Base
Slab Optional

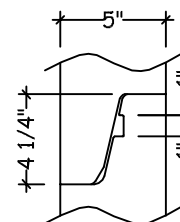
Isometric View



Kon-N-Seal Boots
From NPC



M.A. Industries
Manhole Step
PS-1PF



Joint Detail