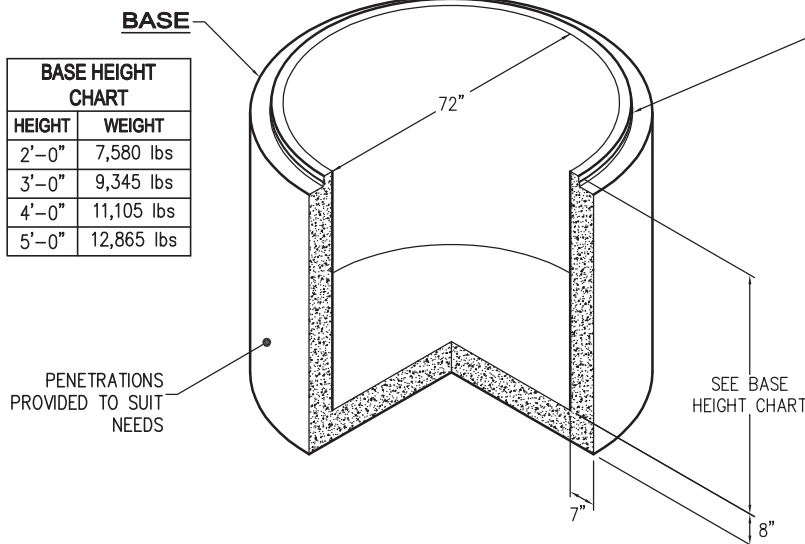
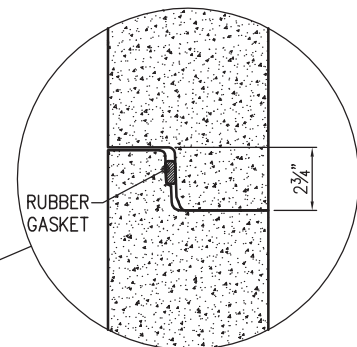
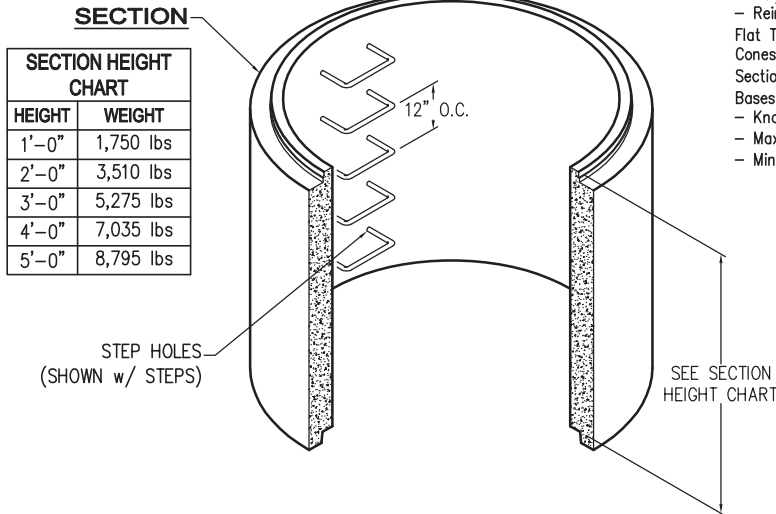


# 72" TYPE 3 MANHOLE (WSDOT B-23c)

**OLDCASTLE MANHOLES:**

- H-20 LOADING
  - Manhole meets ASTM C478 and all WSDOT/APWA Standard Specifications
  - Rubber gasket joint meets ASTM C443
  - Polypropylene steps and ladders meet ASTM D4101
  - Reinforcement area meets minimum ASTM C478 requirements:
- Flat Top = 0.12 in.<sup>2</sup>/linear ft. in both directions, with 0.20 in.<sup>2</sup> at 90° around opening  
 Cones = 2 hoops of 0.250 in. dia. reinforcing bars  
 Sections = 0.135 in.<sup>2</sup>/vertical ft.  
 Bases = 0.12 in.<sup>2</sup>/linear ft. in both directions (slab), 0.135 in.<sup>2</sup>/vertical ft. (wall)
- Knockout sizes and locations available to meet job requirements
  - Maximum hole size 42"
  - Minimum distance between holes 8"



**AVAILABLE OPTIONS:**

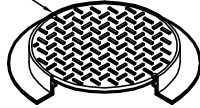
- Pre-channeling
- Coatings
- Kor-n-seal boots
- Saddle bases
- Reducing Flat Top

**FOR DETAILS, SEE REVERSE>>**

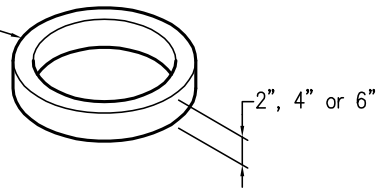
Items Shown Are Subject To Change Without Notice  
 Issue Date: April 2016

## 72" TYPE 3 MANHOLE

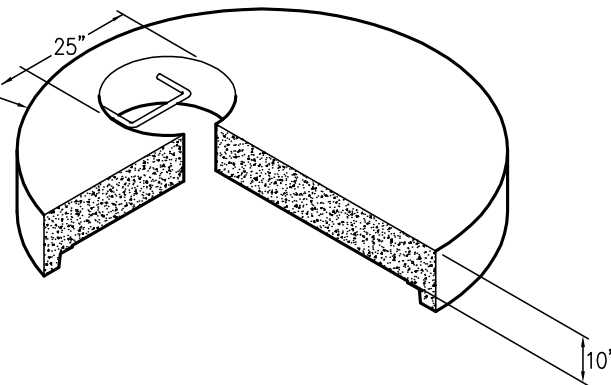
**FRAME AND COVER**  
360 lbs



**GRADE RING**  
2" = 60 lbs  
4" = 120 lbs  
6" = 180 lbs



**72" FLAT TOP**  
WITH 25"  $\phi$  HOLE  
4,765 lbs



**AVAILABLE OPTIONS:**

- Pre-channeling
- Coatings
- Kor-n-seal boots
- Saddle bases
- Reducing Flat Top