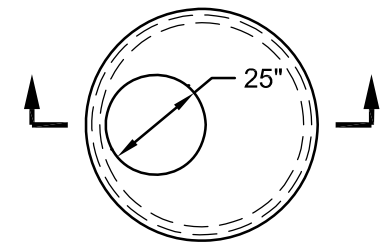
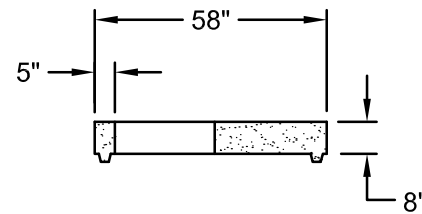


P-152\_TOP\_SLABS\_PRECAST\_CONC\_MH.DWG 8/21/20 1:38 PM DANPE

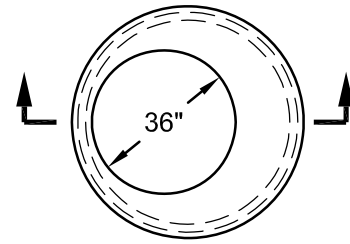


**TOP SLAB "A"**

- FOR USE WITH 48" MAINTENANCE HOLES OR RISER SECTIONS AND STANDARD 24" MAINTENANCE HOLE FRAME.
- COVER DEPTH LESS THAN 15 INCHES.

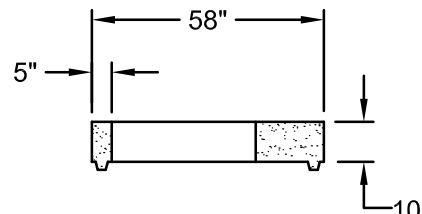


SECTION

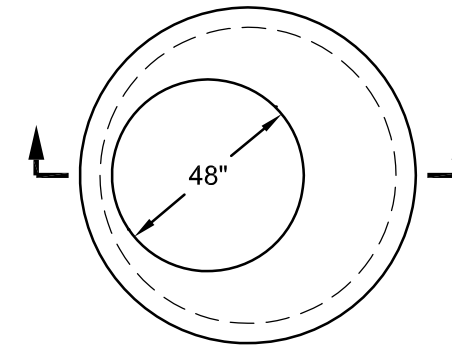


**TOP SLAB "C"**

- FOR USE WITH 48" MAINTENANCE HOLES OR RISER SECTIONS AND STANDARD 36" MAINTENANCE HOLE FRAME.
- COVER DEPTH LESS THAN 22 INCHES.

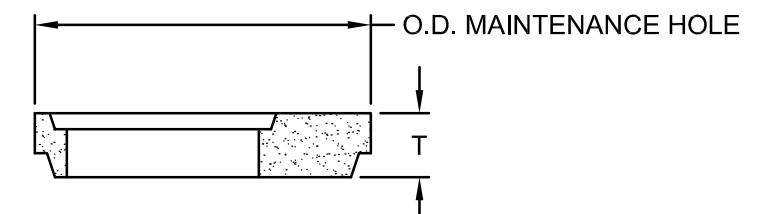


SECTION

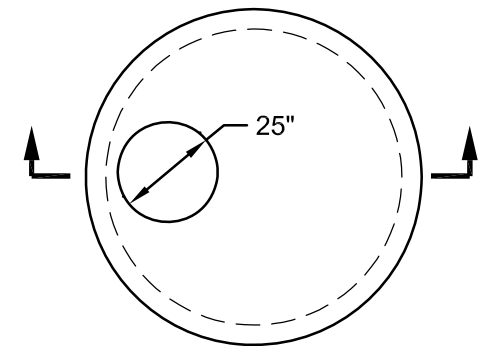


**TOP SLAB "E"  
(REDUCING SLAB)**

- FOR USE WITH 60" - 144" MAINTENANCE HOLES AND 48" RISER OR CONE SECTIONS.
- COVER DEPTH 42" TO 22'.

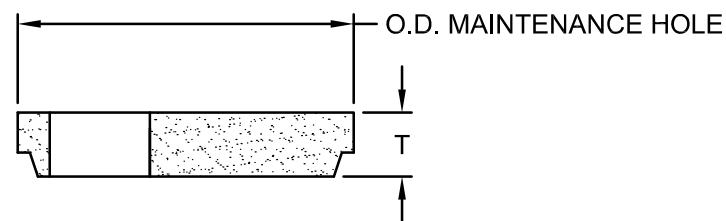


SECTION

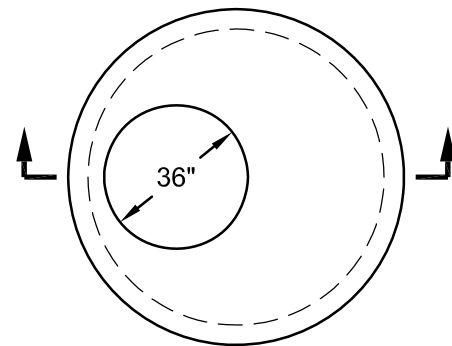


**TOP SLAB "B"**

- FOR USE WITH 60" - 96" MAINTENANCE HOLES AND STANDARD 24" MAINTENANCE HOLE FRAME.
- COVER DEPTH LESS THAN 22 INCHES.

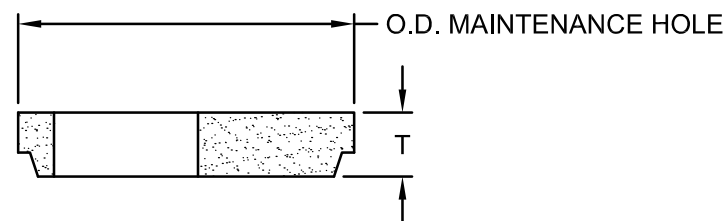


SECTION



**TOP SLAB "D"**

- FOR USE WITH 60" - 144" MAINTENANCE HOLES AND STANDARD 36" MAINTENANCE HOLE FRAME.
- COVER DEPTH LESS THAN 22 INCHES.



SECTION

**NOTES:**

1. ALL PRECAST CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF PORTLAND MANUFACTURING STANDARDS FOR PRECAST CONCRETE PRODUCTS (MSPCP), AS REVISED.
2. FOR EACH TOP SLAB, REFER TO MSPCP FOR COMPLETE SIZE AND REINFORCEMENT DETAILS.
3. ALL TOP SLABS SHALL HAVE KEYED OR BELL & SPIGOT JOINTS AND SHALL USE PREFORMED PLASTIC SEALS (MASTIC) OR PREFORMED RUBBER GASKET SEALS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user.



Bureau of Environmental Services  
CITY OF PORTLAND, OREGON

**William Ryan**  
Chief Engineer  
Digitally signed by William Ryan  
Date: 2020.08.31 13:47:07 -07'00'

Standard Drawing Title

**Top Slabs for  
Precast Concrete Maintenance Holes**

Note:  
All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.

Effective Date: 01-01-09

Calc. Book No.: 001

Baseline Report Date: 03-24-09

Standard Drawing No.

**P-152**