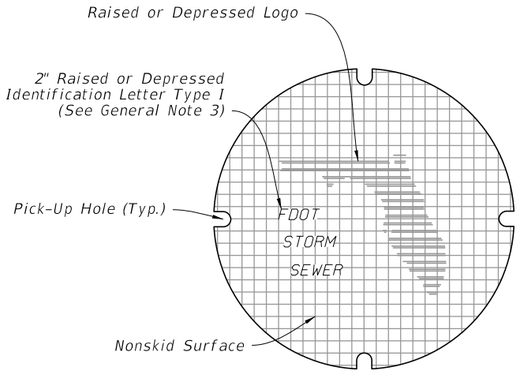
## GENERAL NOTES:

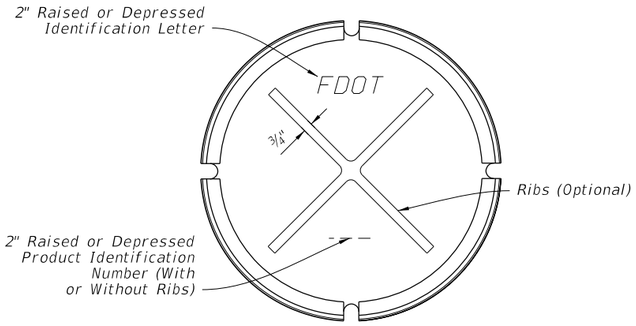
1. Work this Index with Index 425-001 and Index 425-010.
2. Use a 1-piece cover, unless the 2-piece cover is called for in the Plans, except at inlets and manholes with sump bottoms. Use the 2-piece cover when the sump depth exceeds 2', unless otherwise noted.
3. Include "Adjustable" on the cover for Type I manhole adjustable frames.

## TABLE OF CONTENTS:

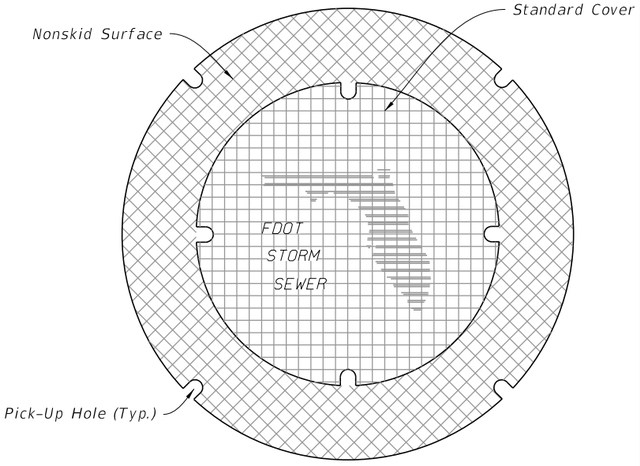

| Sheet | Description |
|---|---|
| 1 | General Notes, Contents, Manhole Top Overview, and Manhole Covers |
| 2 | Manhole Frames and Manhole Tops |


PLAN




BOTTOM

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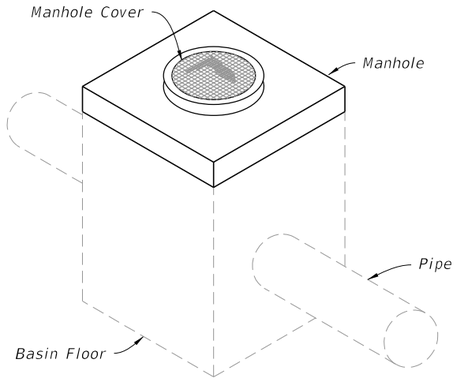
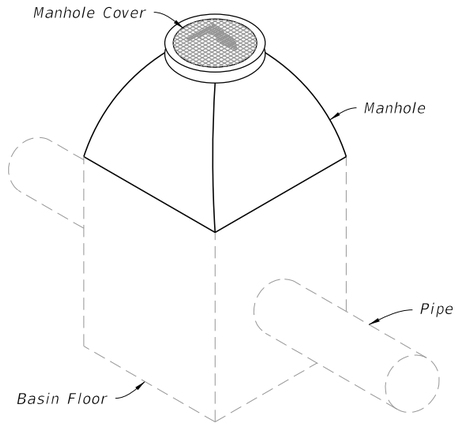
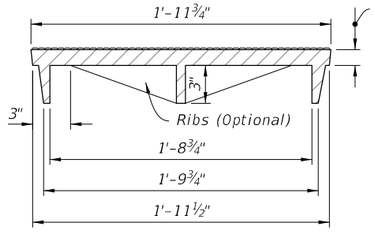



TYPE 7



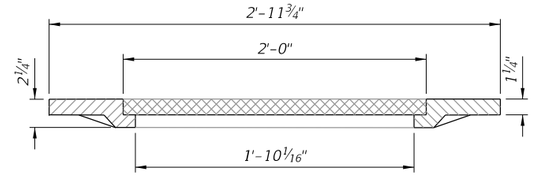

TYPE 8

MANHOLE TOPS




ELEVATION

1-PIECE COVER




ELEVATION

2-PIECE COVER

MANHOLE COVERS

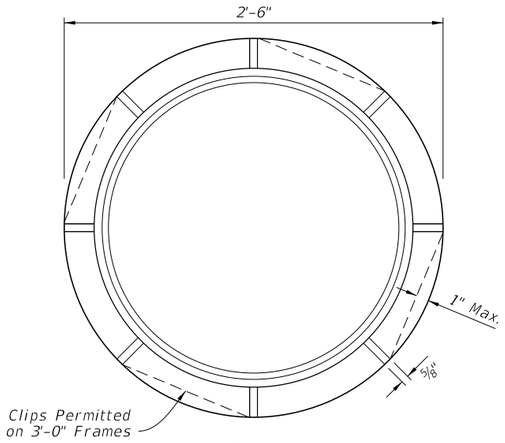
9/28/2026 11:50:05 AM

| LAST REVISION | REVISION | DESCRIPTION: | | | | |
|---|---|---|---|---|---|---|
| 11/01/26 | | | FDOT | FY 2027-28 STANDARD PLANS | MANHOLE TOPS | INDEX 425-015 / SHEET 1 of 2 |

## TABLE 1
## WEIGHT OF CASTINGS (lb)

| Frame Type | 2'-0" OPENING | | 3'-0" OPENING | | | |
|---|---|---|---|---|---|---|
| | Frame | Cover (Std.) | Frame | 2-Piece Cover | | |
| | | | | Inside | Outside | Total |
| I | 155 | 190 | 220 | 190 | 220 | 410 |
| II | 145 | 190 | 255 | 190 | 220 | 410 |
| III | 90 | 190 | 180 | 190 | 220 | 410 |

**NOTE:**
Frame Type I in Table 1, includes Adjustable frames.

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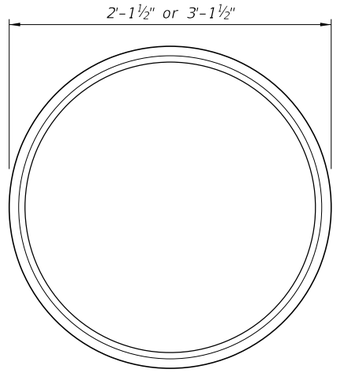


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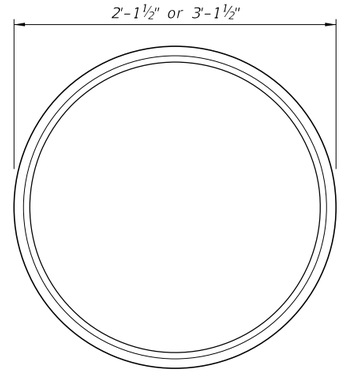


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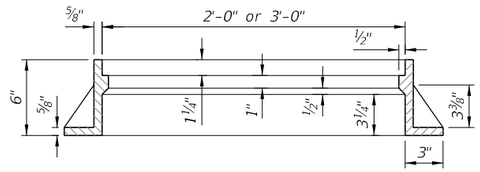
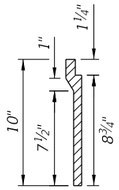
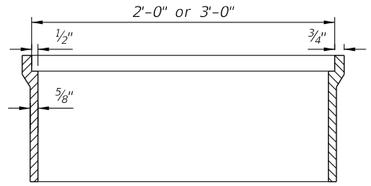



ELEVATION

TYPE I
(For Manholes)

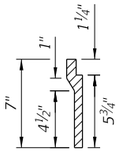



WALL SECTION

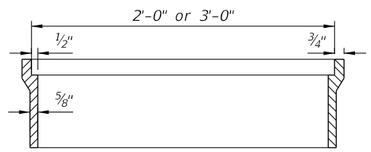



ELEVATION

TYPE II
(For Curb Inlets Types 1, 2, 3, & 4)



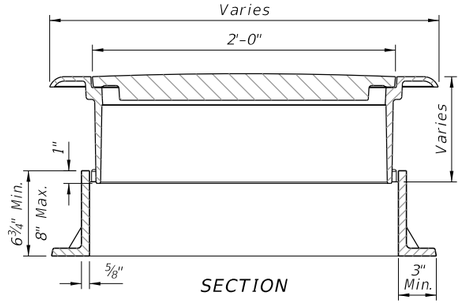

WALL SECTION




ELEVATION

TYPE III
(For Curb Inlets Types 7 & 8)

## MANHOLE RIGID FRAMES

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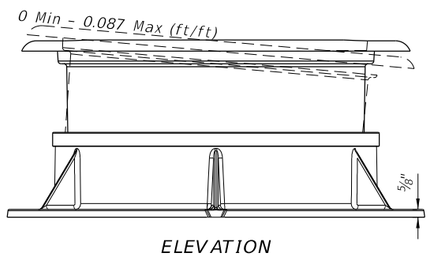
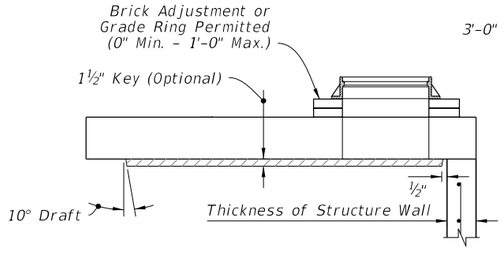
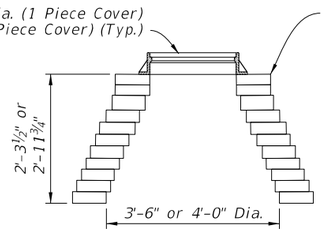



ELEVATION

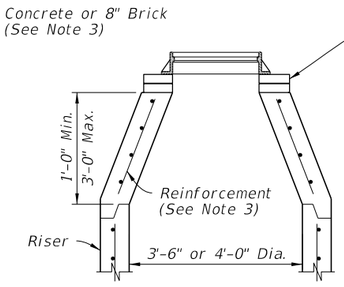
TYPE I ADJUSTABLE FRAME



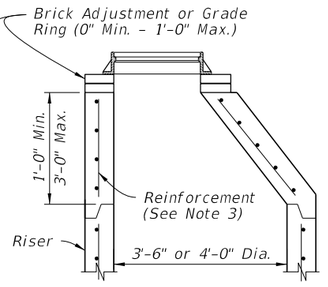

TYPE 7




BRICK OR C.I.P CONCRETE
(Brick Shown)




PRECAST CONCENTRIC CONE




PRECAST ECCENTRIC CONE

TYPE 8

### NOTES:

1. Use Class II concrete for Manhole top Type 7 slabs.
2. Manhole top Type 7 slabs may be of cast-in-place or precast construction. The optional key is for precast tops and in lieu of dowels. Omit frame and slab openings when top is used over a junction box.
3. Manhole top Type 8 may be of cast-in-place, precast concrete construction, or brick construction. For concrete construction, use the same concrete and steel reinforcement as the supporting wall unit. An eccentric cone may be used.
4. Use optional construction joints, as shown in Index 425-001 to secure manhole tops to structures.
5. Frames may be adjusted to a maximum 12" height with brick or precast ASTM C478 grade rings.
6. Manhole top Type 8 may be substituted for a Type 7, if the minimum dimensions are not reduced.
7. Manhole top Type 7 may be substituted for Type 8, if the minimum thickness (h) above pipe opening cannot be maintained with Type 8.

MANHOLE TOPS

# MANHOLE FRAMES AND MANHOLE TOPS