

TRAFFIC APPROACH DIRECTION SEE NOTE 5

ASSEMBLY VIEW - W/ HINGE

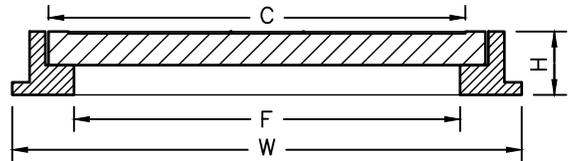
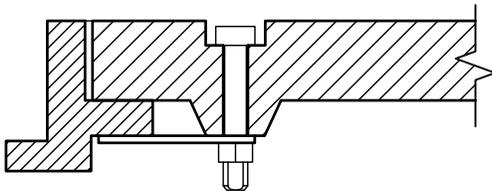
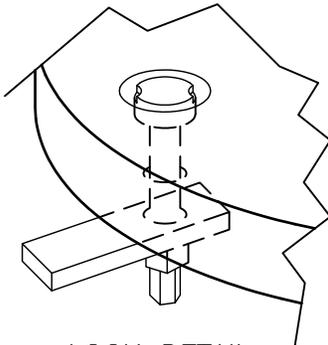


TABLE-1

COMPOSITE UNIT SIZE				
COVER SIZE	C	F	H	W
	INCH (MAX)	INCH (EXACT)	INCH (MAX)	INCH (MAX)
32"	35.75	30.00	5.00	41.00



NOTES:

1. FRAME AND COVER MEETS OR EXCEEDS REQUIREMENTS FOR CITY OF HOUSTON SPECIFICATION 02091-NON METALLIC FRAMES, GRATES, RINGS, AND COVERS.
2. COVER SHALL HAVE A MINIMUM OF ONE (1) 316 STAINLESS STEEL PICK BAR SLOT MOLDED IN THE COMPOSITE MATRIX.
3. LOCK AND BOLT SHALL BE 316 STAINLESS STEEL AND BE $\frac{1}{4}$ " TURN CAM/PADDLE TYPE.
4. MANHOLE DESIGNS WITHOUT HINGES MUST INCLUDE A MINIMUM OF TWO (2) LOCKS LOCATED ON OPPOSITE EDGES. DESIGNS WITH A HINGE MUST INCLUDE A MINIMUM OF ONE (1) LOCK LOCATED OPPOSITE EDGE OF THE HINGE MECHANISM.
5. MANHOLE INSTALLATIONS WITH HINGES SHALL ORIENT HINGES PERPENDICULAR TO TRAFFIC FLOW DIRECTION. THE HINGE WILL BE LOCATED ON THE APPROACHING DIRECTION OF TRAFFIC.
6. IDENTIFICATION MARKINGS MUST COMPLY WITH CITY SPECIFICATIONS. MARKINGS NOT SHOWN ON THIS DETAIL MUST BE PLACED ON THE CASTING:
 - A. PROVIDE ALL FRAME MARKINGS ON THE TOP SIDE OF THE FRAME.
 - B. PROVIDE GRATE AND COVER MARKINGS ON EITHER TOP OR BOTTOM OF CASTING.

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

APPROVED BY:

Signed by:
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CITY ENGINEER

Signed by:
BE463EF0DF454EB...

DIRECTOR OF HPW

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

STORM SEWER
NON-METALLIC MANHOLE
FRAME AND COVER

(SCALE: NOT TO SCALE)

EFF DATE: MAR-02-2026

DWG NO: 02091-02