

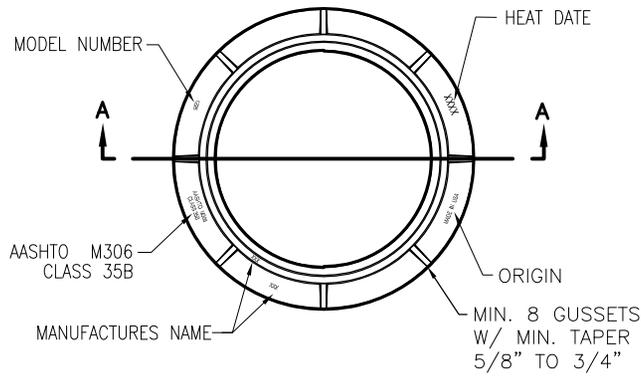


Date: October 4, 2011
To: MAG Specifications and Details Committee
From: Scott Zipprich, Town of Buckeye Representative
Subject: Detail 423, 424
Case: 11- 13

PURPOSE: To replace the current manhole frame and cover details with updated details of products that are currently being manufactured. This also includes referencing the proper Class and AASHO references.

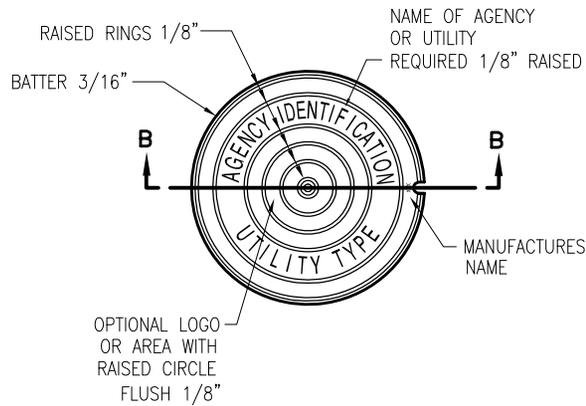
REVISION: The revisions will consist of replacement of details 423-1, 423-2, 424-1 and 424-2. The revisions will modify the current MAG Detail to show the frames and covers that are currently being supplied to the Cities in the valley. The modifications proposed are very minute and consist of adding a gasket to the current water tight lids. There are many dimensions in the current details that are not correct. Those dimensions have been updated to match the current product supplied.

FRAME TOP VIEW

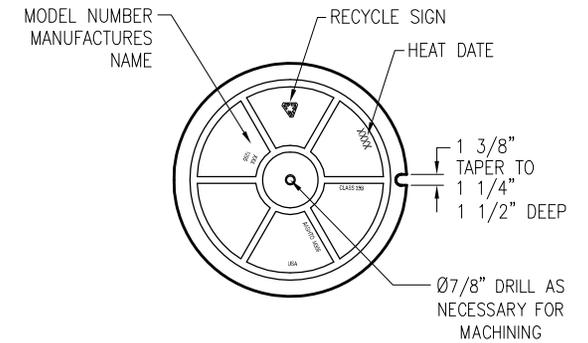


FRAME WT. (CL. 35) – 180 LBS

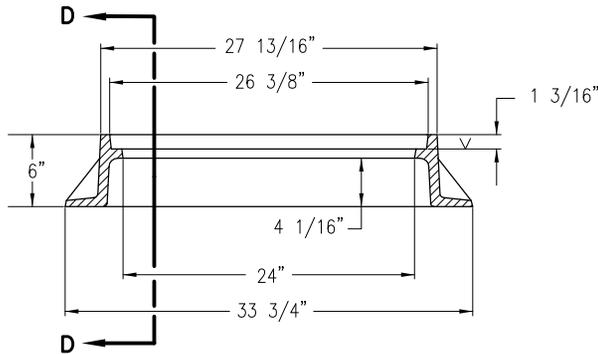
COVER TOP VIEW



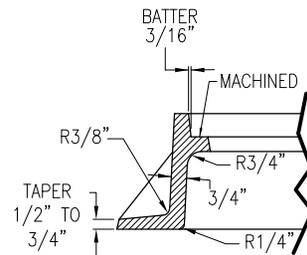
COVER BOTTOM VIEW



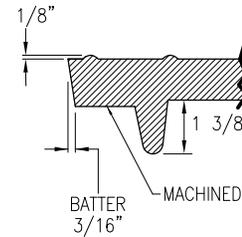
COVER WT. (CL. 35) – 188 LBS



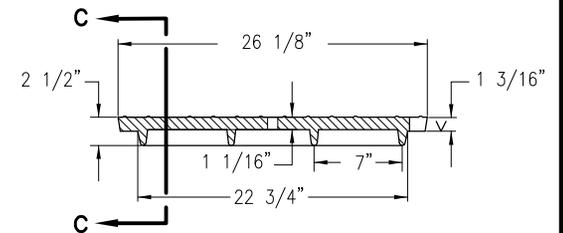
SECTION A



SECTION D



SECTION C



SECTION B

NOTE:

LETTERING ON MANHOLE COVER TO CONTAIN NAME OF AGENCY AND UTILITY FOR WHICH MANHOLE IS NEEDED, (I.E. "PHOENIX SANITARY SEWER"), OR AS DIRECTED. THE TOTAL WIDTH OF INDIVIDUAL LETTERS TO BE SUCH THAT LETTERS AND WORDS ARE EQUALLY SPACED AND BALANCED TO FORM A COMPLETE CIRCLE WITH SPACERS BEFORE AND AFTER THE WORD IDENTIFYING THE AGENCY INVOLVED. LETTERS TO BE 2" IN HEIGHT AND RAISED FLUSH W/ TOP OF RINGS. TYPE OF LETTERS TO BE SUBMITTED FOR APPROVAL. WEIGHT OF CASTINGS SHALL BE NO MORE THAN 2% MORE OR LESS THAN THE APPROXIMATE WEIGHT SPECIFIED. CASTINGS SHALL CONFORM TO ASTM A-48, CLASS 35 AND AASHTO M306. THE BEARING SURFACES OF THE FRAMES AND COVERS SHALL BE MACHINED AND THE COVERS SHALL SEAT FIRMLY WITHOUT ROCKING. ALL DIMENSIONS SHALL HAVE A 1/16" TOLERANCE.

DETAIL NO.

423-1



STANDARD DETAIL
ENGLISH

24" CAST IRON
MANHOLE FRAME AND COVER

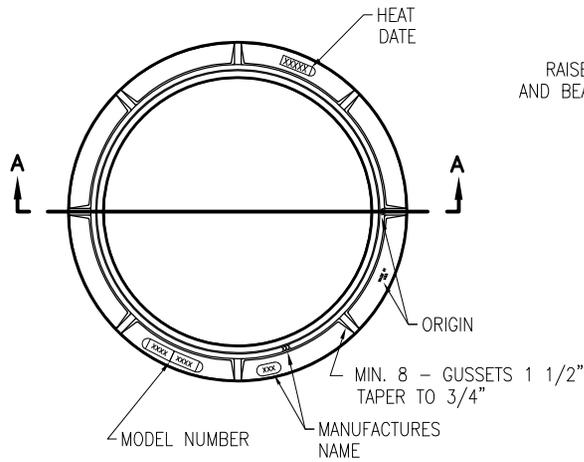
REVISED

01-01-2012

DETAIL NO.

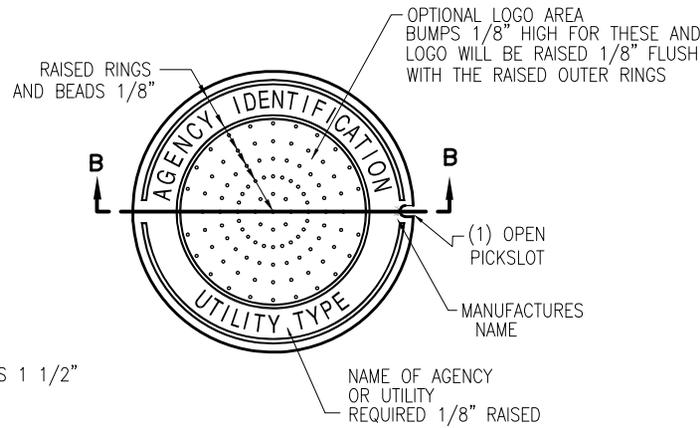
423-1

FRAME TOP VIEW

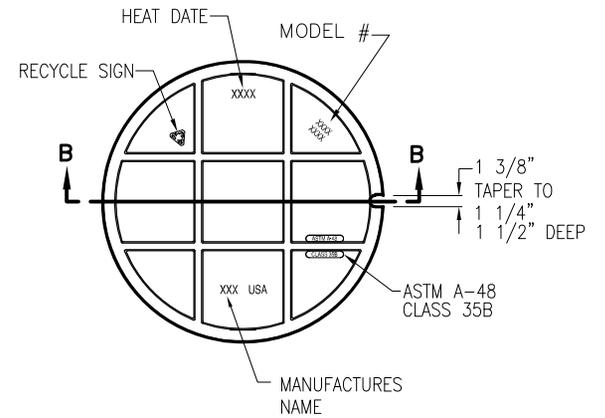


FRAME WT. (CL. 35) - 227 LBS

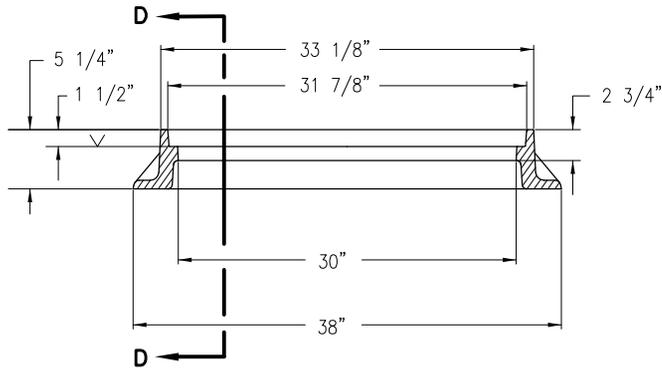
COVER TOP VIEW



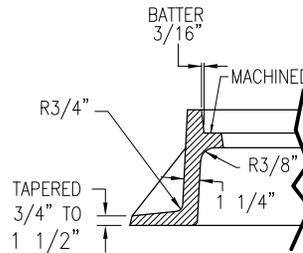
COVER BOTTOM VIEW



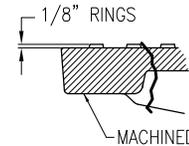
COVER WT. (CL. 35) - 210 LBS



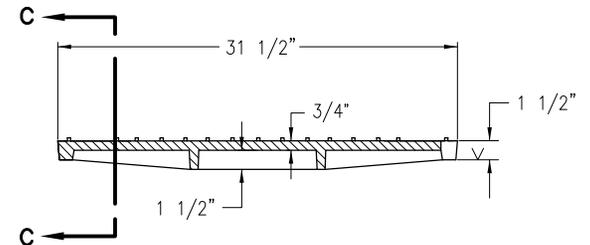
SECTION A



SECTION D



SECTION C



SECTION B

NOTE:

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DETAIL NO.
423-2



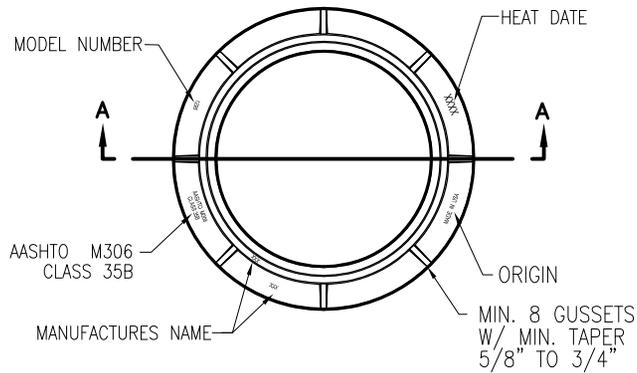
STANDARD DETAIL
ENGLISH

**30" CAST IRON
MANHOLE FRAME AND COVER**

REVISED
01-01-2012

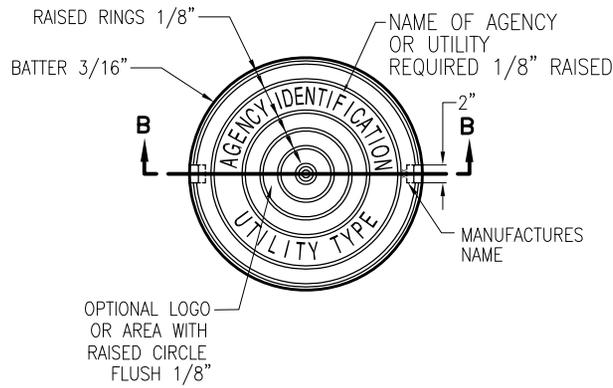
DETAIL NO.
423-2

FRAME TOP VIEW

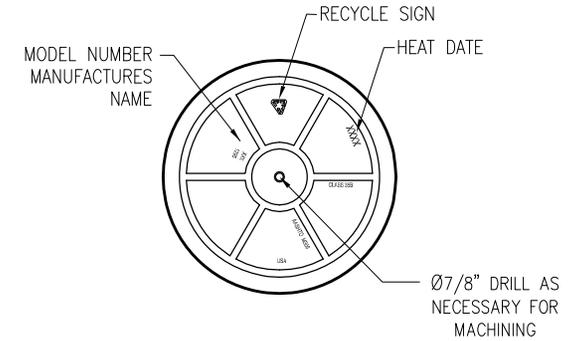


FRAME WT. (CL. 35) – 180 LBS

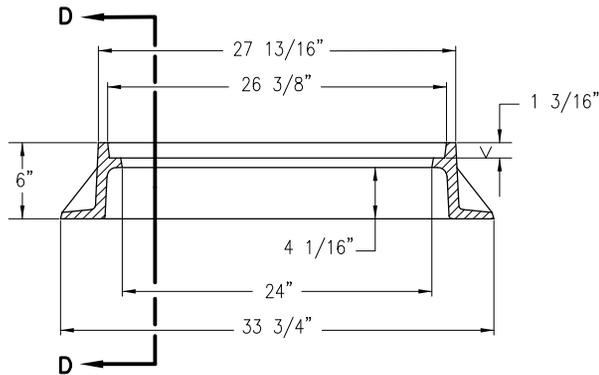
COVER TOP VIEW



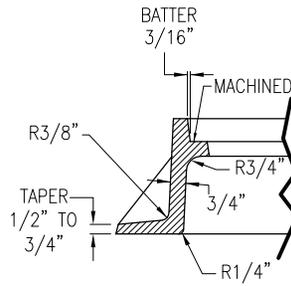
COVER BOTTOM VIEW



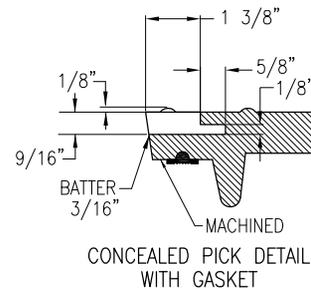
COVER WT. (CL. 35) – 188 LBS



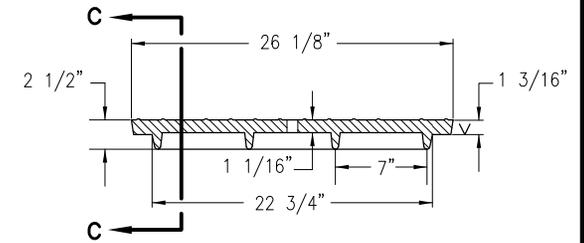
SECTION A



SECTION D



SECTION C



SECTION B

NOTE:

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DETAIL NO.

424-1



STANDARD DETAIL
ENGLISH

**24" CAST IRON WATERTIGHT
MANHOLE FRAME AND COVER**

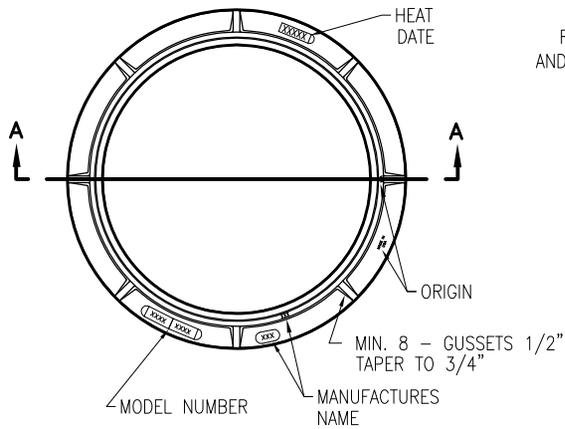
REVISED

01-01-2012

DETAIL NO.

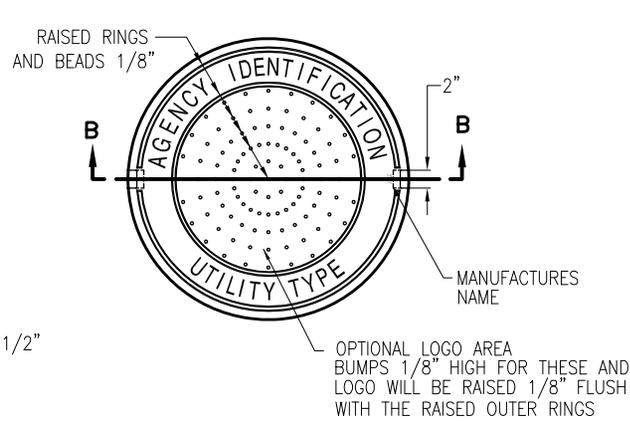
424-1

FRAME TOP VIEW

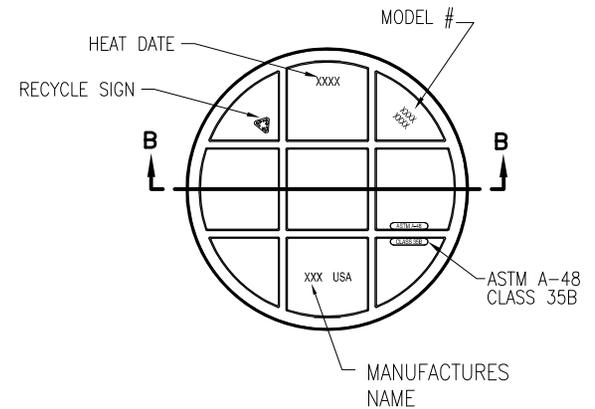


FRAME WT. (CL. 35) - 227 LBS

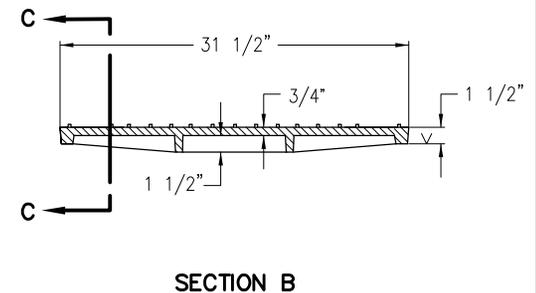
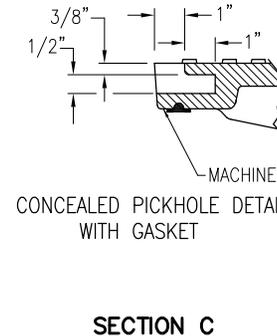
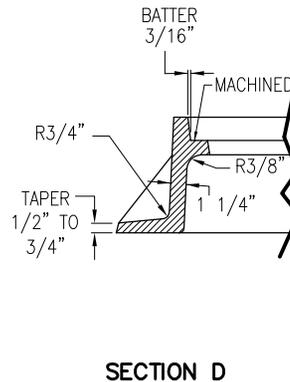
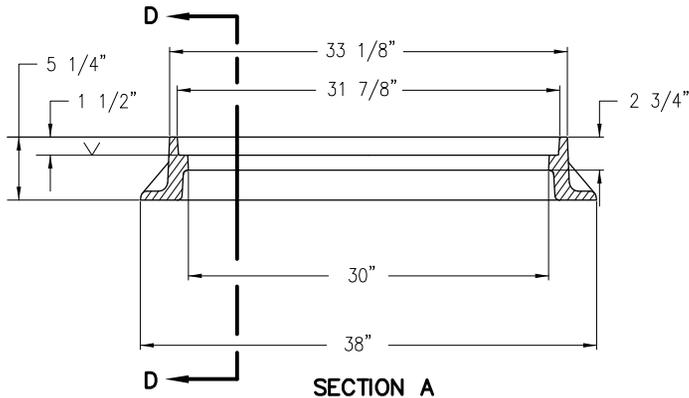
COVER TOP VIEW



COVER BOTTOM VIEW



COVER WT. (CL. 35) - 210 LBS



NOTE:

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DETAIL NO.
424-2



STANDARD DETAIL
ENGLISH

**30" CAST IRON WATERTIGHT
MANHOLE FRAME AND COVER**

REVISED
01-01-2012

DETAIL NO.
424-2