

ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

CLOSED PICKHOLE (SEE DETAIL)

Technical drawing of a mechanical part, likely a bracket or arm, showing dimensions in inches. The drawing includes a top view and a side view. Key dimensions are:

- Top view:
 - Overall width: $3\frac{3}{4}"$
 - Distance from left edge to center of hole: $1\frac{1}{2}"$
 - Hole diameter: $1\frac{1}{2}"$
 - Distance from hole center to right edge: $1\frac{1}{2}"$
- Side view:
 - Overall height: $3\frac{3}{4}"$
 - Distance from bottom edge to center of hole: $1\frac{1}{2}"$
 - Distance from hole center to right edge: $1\frac{1}{2}"$

The drawing shows a U-shaped profile with a central rectangular hole. The hole is shaded with diagonal lines. The dimensions are given in inches, with fractions.

1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
2. MANHOLE CASTINGS SHALL WEIGH A MINIMUM OF 130 POUNDS ON THE SOLID COVER AND 240 POUNDS ON THE MANHOLE RING. THIS IS A TOTAL OF 420 POUNDS ON A RING AND COVER SET. CASTINGS WEIGHING LESS THAN THE MINIMUM SPECIFICATIONS WILL NOT BE ACCEPTED.
3. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
4. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SEATING SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
5. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1 INCH IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF MICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

Technical drawing of Section A-A of a concrete bench seat. The drawing shows a cross-section of a bench with a top width of 2'-2" O.S. and a total width of 2'-11-1/2". The seat height is 8". The drawing includes dimensions for the seat base, backrest, and various offsets. A "MACHINED FINISHED SEAT" is indicated. The drawing is labeled "SECTION A-A" at the bottom.

[illegible]

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and tolerances. The drawing includes a cross-section view with hatching. Key dimensions include: overall width 3-3/8", overall height 2-1/8" Dia., and various internal features with dimensions like 1/2", 3/4", 1/8", 5/8", and 7/8". A note "Machine Finished" is present.

SF 71 VIEW

THE CITY OF WICHITA



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