STRUCTURAL STEEL:

- 1 1/8" Gage
- 1 1/2"
- 1/8"

DETAIL Z

ROUND PIPE SHOWN, ARCH PIPE SIMILAR

AASHTO M 218.

FABRICATE THE BLADE AND FRAME OF ZINC COATED STEEL. CONFORM TO AASHTO M 218.

NOTE:
- TYPE Ga
- SURFACE MEASURED 3" inside of the flange

SECTION R-R

 REQUIRED WITH PIPE

SECTION L-L

SECTION M-M

SECTION H-H

SECTION J-J

SECTION K-K

SECTION G-G

NOTE:
- K:\ 1/8" DIA HOLE, TYP
- L:\ ANCHOR BOLT 3/8" DIA X 7 1/2"

NOTE:
- GLUE WITH RUBBERIZED COMPRESSION SEALANT

NOTE:
- "J" SEAL

NOTE:
- "J" SEAL TO FRAME

NOTE:
- 1" X 1/2" SLOT, TYP

NOTE:
- HOLE TO FRAME WATER-TIGHT TO THE END OF THE METAL PIPE. GAGE OF METAL PIPE IS THE SAME AS THE GAGE OF THE FRAME.

NOTE:
- NUMBER OF SLOT HOLE IS ONE LESS THAN THE NUMBER OF SPACES

NOTE:
- 1/2" GAGE OF METAL PIPE

NOTE:
- PLUG HOLE SHEET METAL GUIDE TO FRAME. USE 6011 ELECTRODE.

NOTE:
- SINGLE SHEET METAL PERPENDICULAR TO THE FLOOR OF THE BOX PRIOR TO CASTING WITHOUT THE WALLS BE CASTED. NEXT TO CAST WALLS OR OTHERWISE DAMAGE THE FACING SURFACES BETWEEN THE BLADE AND THE FRONT FACE OF THE HAMMER SO THAT THE FRAME REMAINS WATER-TIGHT WHEN CLOSED

GENERAL NOTES

1. REFERENCES DB SERIES STD DWGS.
2. ALL BOLTS: A 307 BOLTS UNLESS OTHERWISE INDICATED.
3. GALVANIZED FASTENERS: CONFORM TO ASTM STANDARDS A 307 AND A 164.

NOTES

1. INSTALL SHEET METAL PERPENDICULAR TO THE FLOOR OF THE BOX PRIOR TO CASTING THE WALLS. BE CAREFUL NOT TO LEAVE OR OTHERWISE DAMAGE THE FACING SURFACES BETWEEN THE BLADE AND THE FRONT FACE OF THE HAMMER SO THAT THE FRAME REMAINS WATER-TIGHT WHEN CLOSED
2. FABRICATE THE BLADE AND FRAME OF ZINC COATED STEEL. CONFORM TO AASHTO M 218

DESIGN DATA

STRUCTURAL STEEL: Fy = 50,000 psi
- STRUCTURAL CONCRETE: 3" + 4,000 psi, 6" + 6,000 psi, n = 8