3/8" X 1 1/2" DIA. STAINLESS STEEL BOLTS TACKED ONTO STAINLESS STEEL ANGLE. 2 EA. ANGLE. (SEE DETAIL BELOW)

1/4" STAINLESS PLATE (23 1/2" SQUARE)

CENTERED HOLE

1 1/4"

1 1/4"

PLAN

24" 8" 8"

SECTION

FOR USE IN INLETS WITH H-H TRAPS

1/2" DIA. X 2 3/4" STAINLESS STEEL EXPANSION BOLTS SET IN WALLS OF C.B. (2 EA. ANGLE)

ORIFICE SIZING EQUATION

\[ Q = CA(2gh)^{1/2} \]

Q = PEAK DISCHARGE RATE, cfs
C = COEFFICIENT OF DISCHARGE. DIMENSIONLESS. (USE NOMINAL VALUE OF 0.60)
A = CROSS SECTIONAL AREA OF ORIFICE, SQUARE FEET.
\( g \) = ACCELERATION DUE TO GRAVITY, 32.16 FT./SEC./SEC.
H = HEAD ON THE ORIFICE, FEET.

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE

HORIZONTAL OUTLET CONTROL ORIFICE PLATE

STANDARD DRAWING AA-S146
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SSES MANAGER