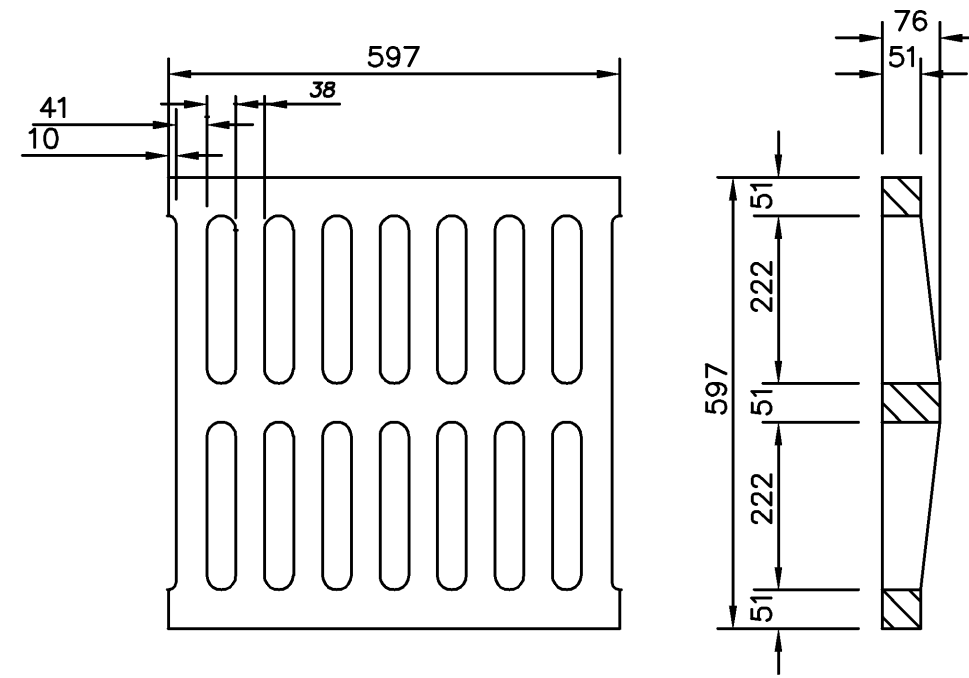
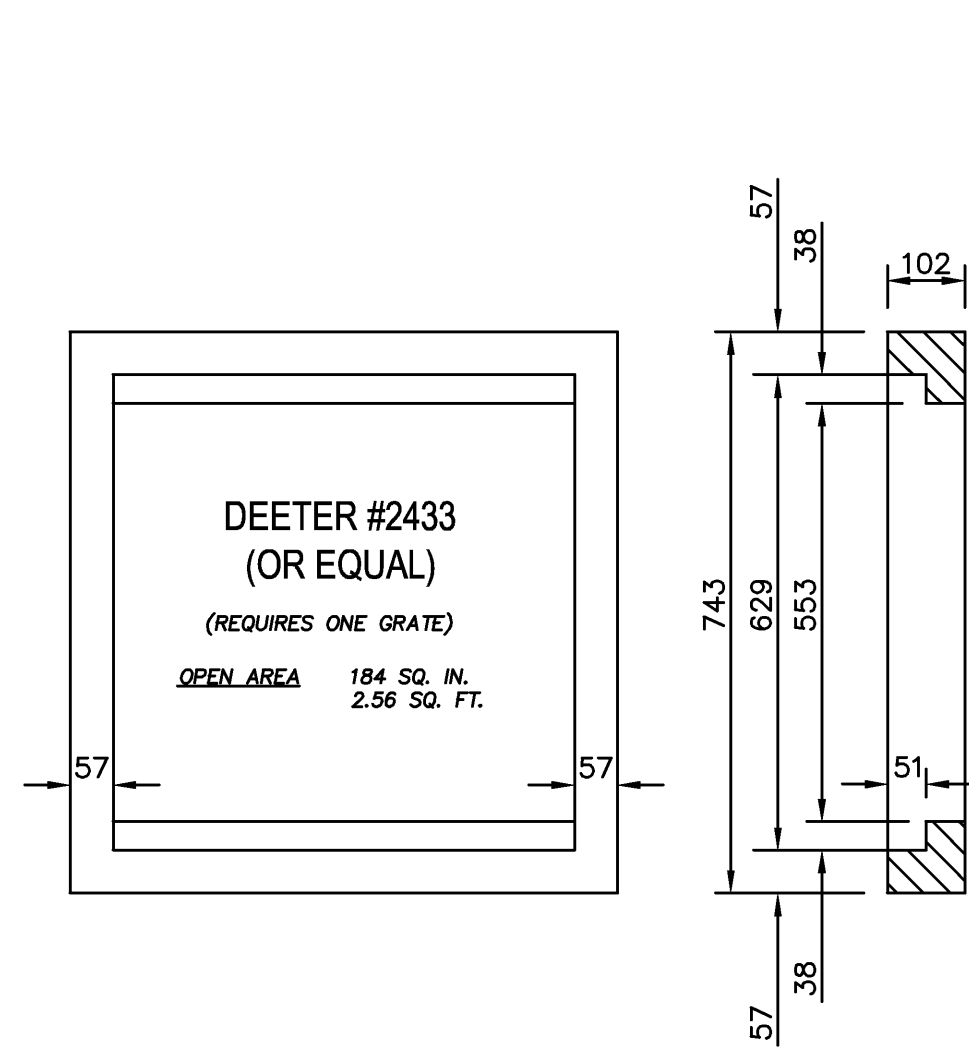
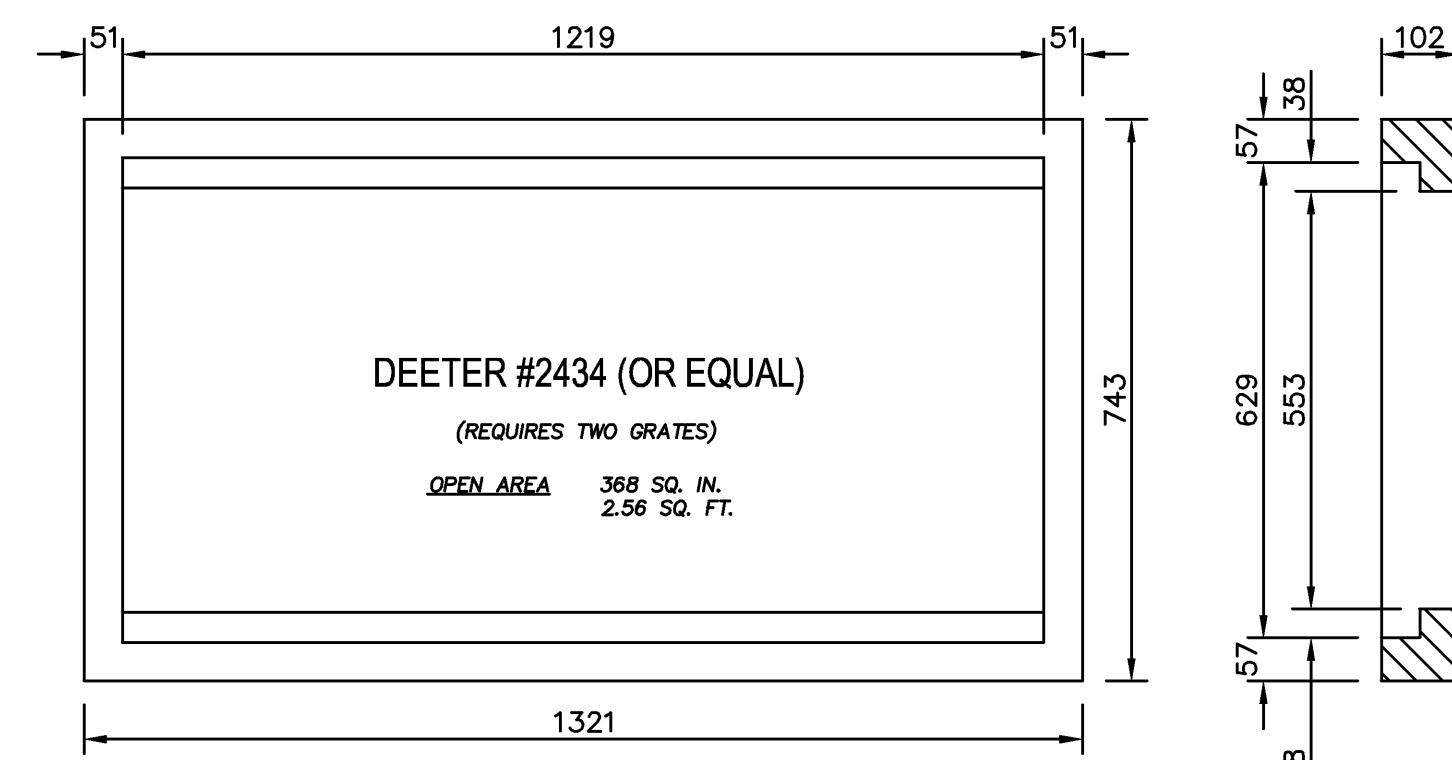


NOTE: GRATES SHALL BE IMPRINTED ON THE TOP SURFACE WITH "CITY OF WICHITA" USING LETTERS AT LEAST 25 HEIGHT. OTHER MARKING METHODS MAY BE USED ONLY IF APPROVED BY THE ENGINEER.

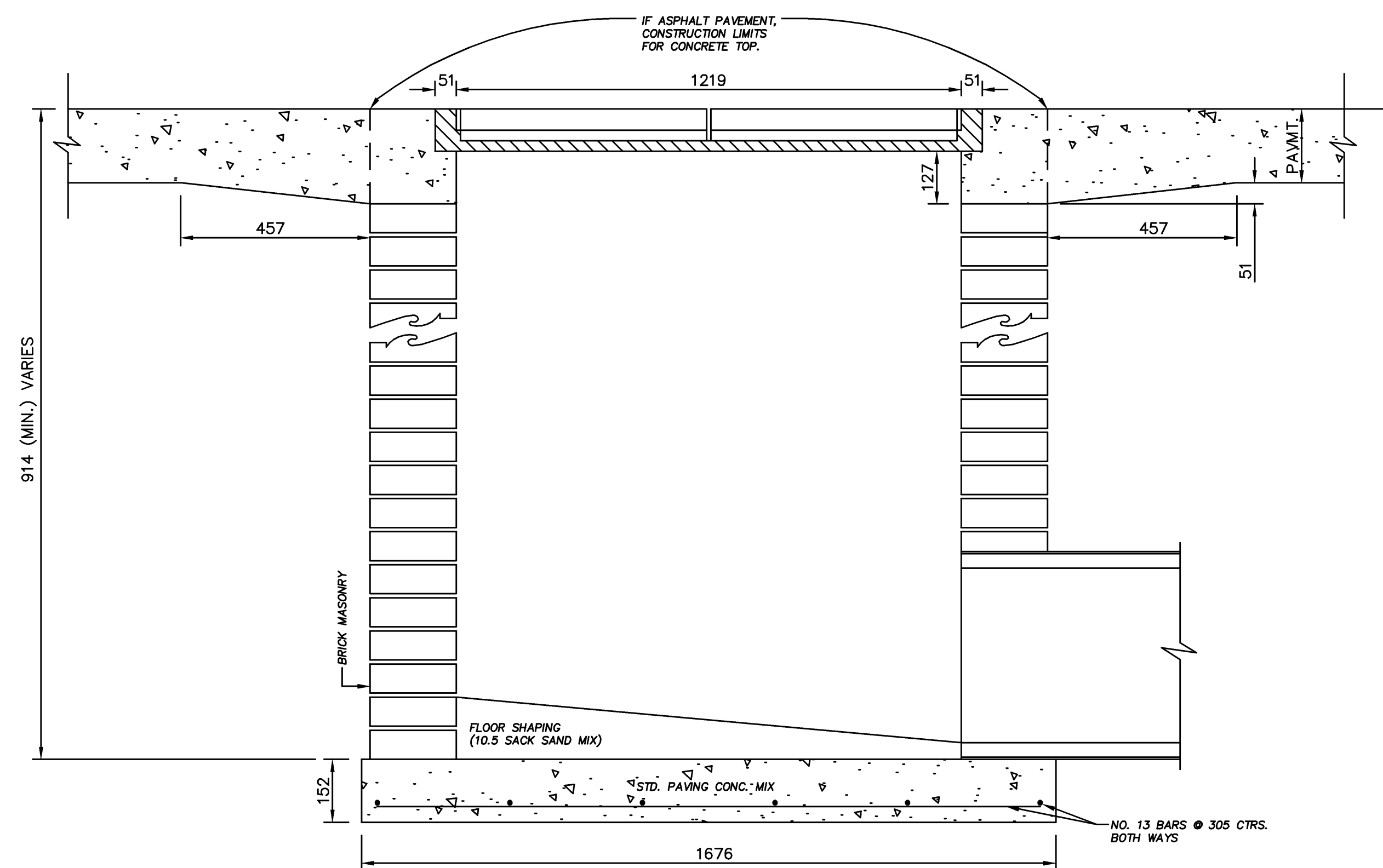
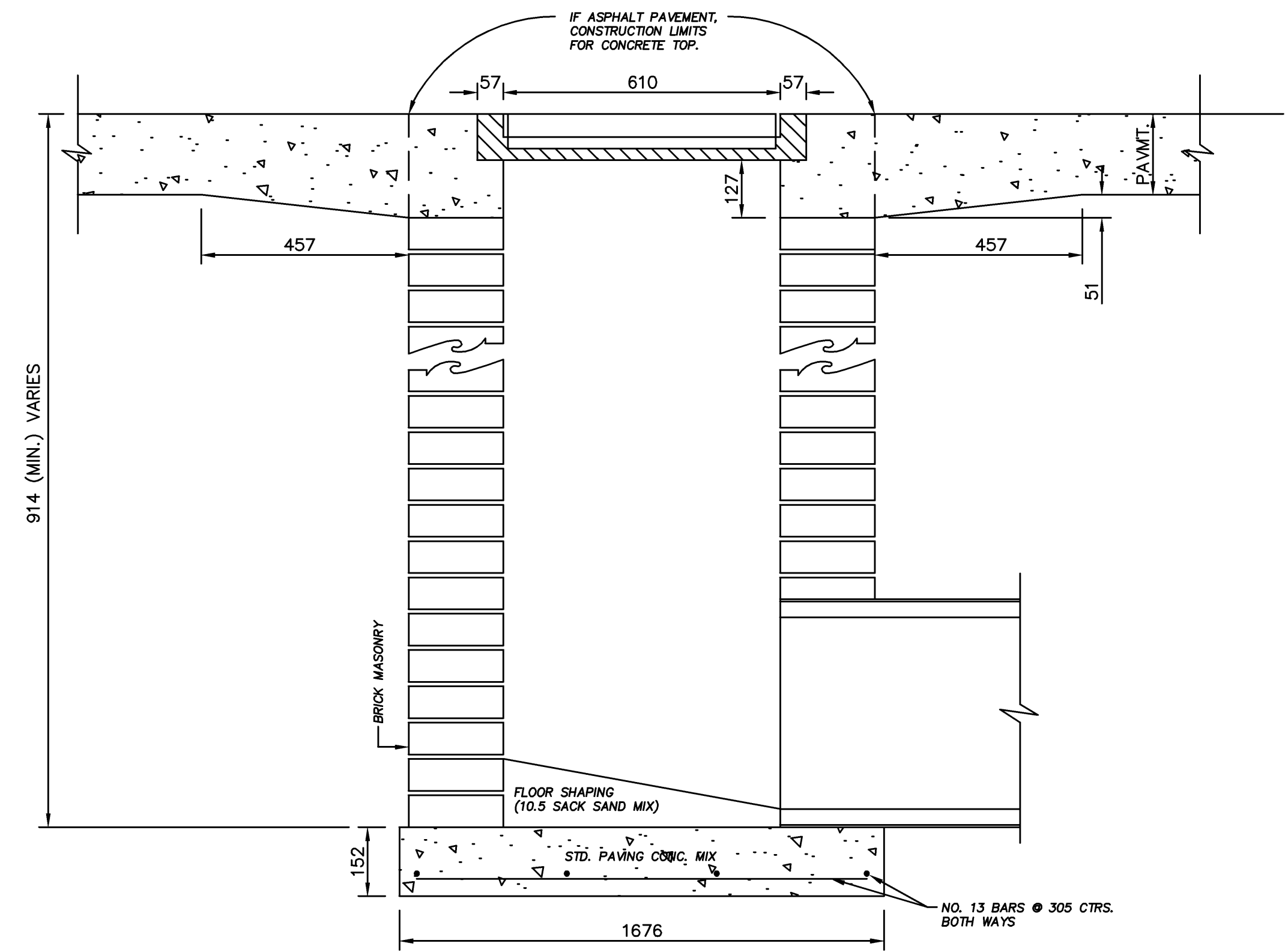
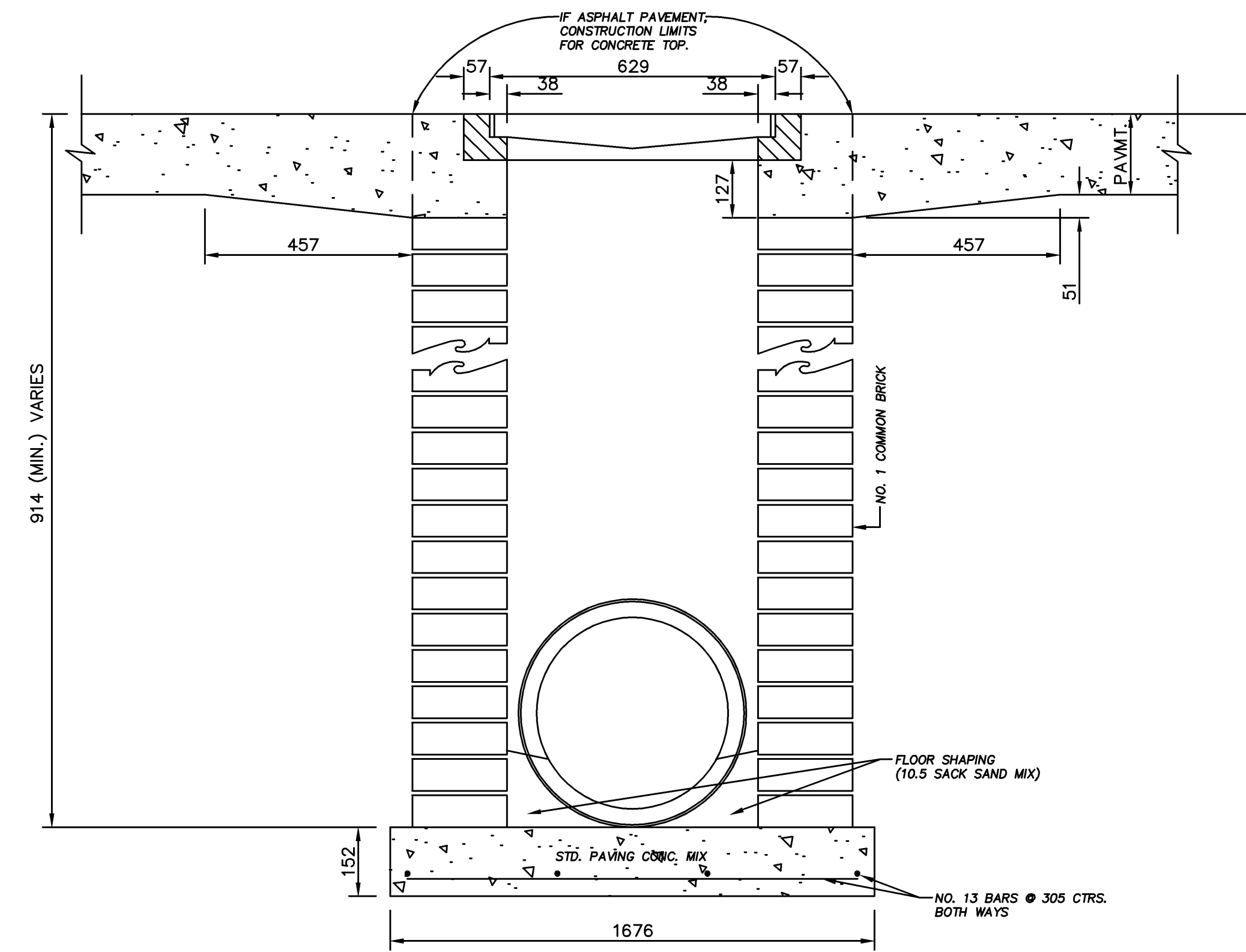
DATE	
BY	
REFERENCE NOTED	
REFERENCE CHECKED	



GRATE
24" x 24" FRAME & GRATE DETAIL



DOUBLE 24" x 24" FRAME DETAIL



ORIFICE EQUATION		
$Q = CA \sqrt{2gh}$ $C = 0.60$		
h (DEPTH)	#2433 (SINGLE)	#2434 (DOUBLE)
30.5	1.95 cfs	3.89 cfs
61.0	2.75 cfs	5.50 cfs
91.4	3.37 cfs	6.74 cfs
121.9	3.89 cfs	7.78 cfs
152.4	4.35 cfs	8.70 cfs
182.9	4.77 cfs	9.53 cfs
213.4	5.15 cfs	10.30 cfs
243.8	5.50 cfs	11.01 cfs
274.3	5.84 cfs	11.67 cfs
304.8	6.15 cfs	12.30 cfs

NOTE: ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

Drawn by: SCALE
File: