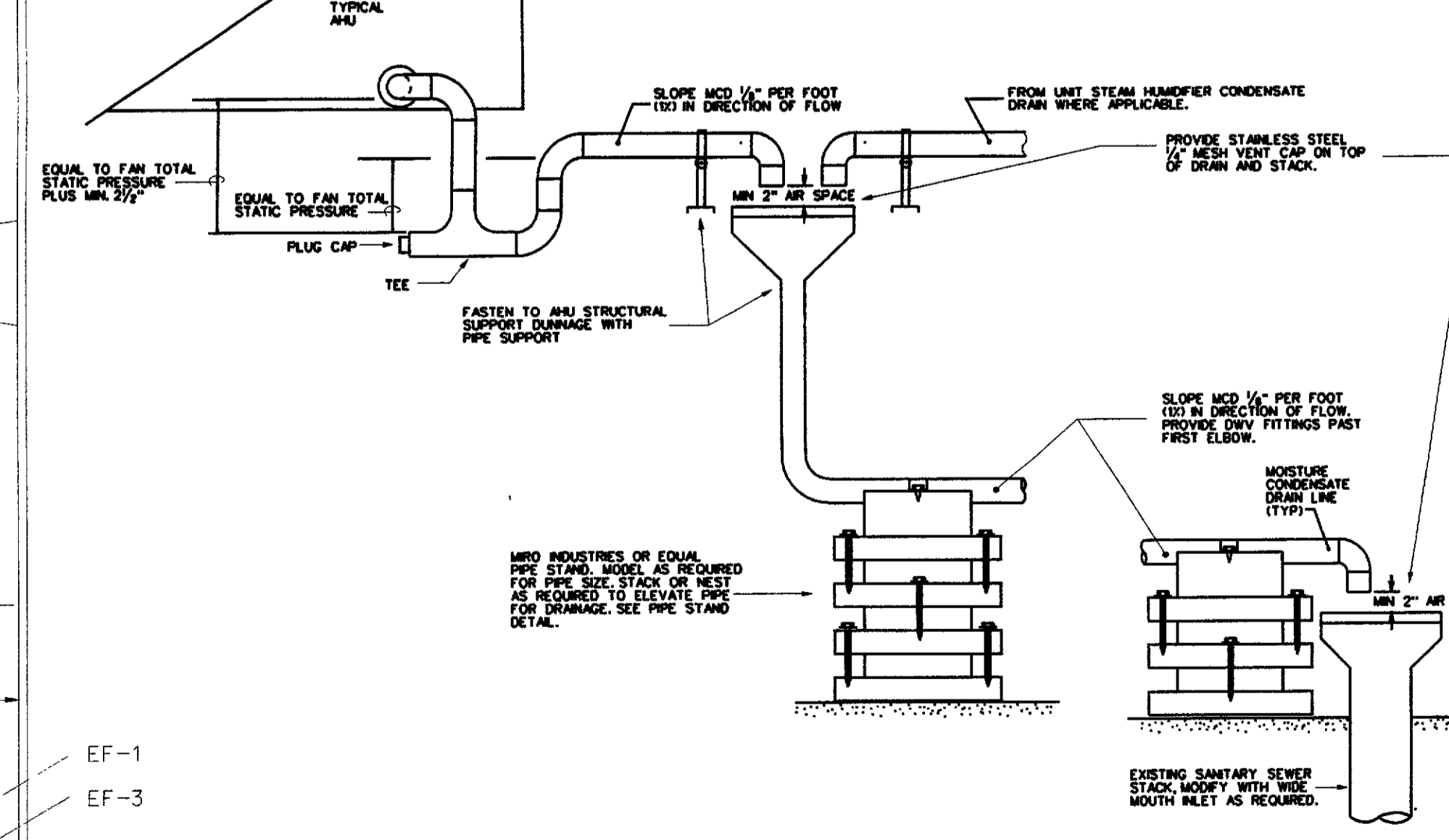
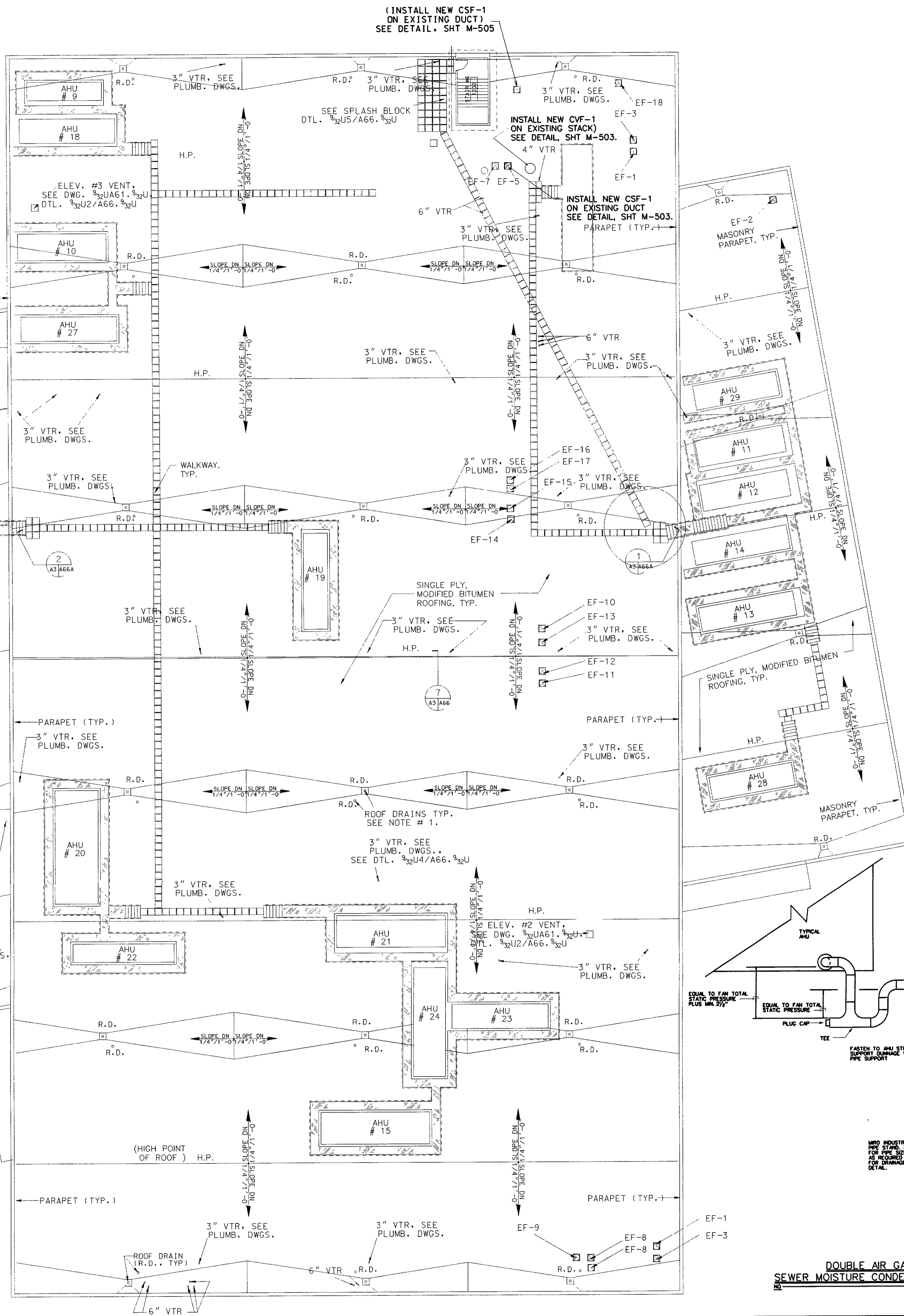


**NOTES:**

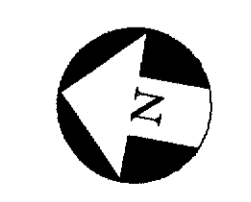
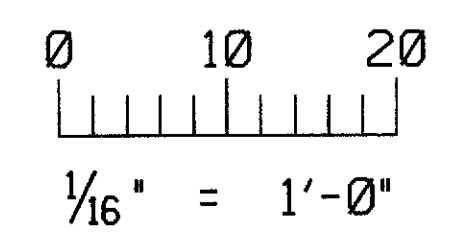
SEE SHEET M-004, AHU SCHEDULE, FOR ADDITIONAL INFORMATION. ALL NEW AHU WILL HAVE ELECTRICAL MODIFICATIONS. SEE SHEET E-701 FOR DETAILS.

- ① ROOF PENETRATION TO BE MODIFIED PER DETAIL.
- ② SEE SHEET M-501 FOR ROOF PIPE PENETRATION DETAIL.
- ③ SEE HUMIDIFIER SCHEDULE ON SHEET M-004 FOR DETAILS.
- ④ SEE SHEET M-701 FOR EXISTING PLATFORM CONDITIONS.

- ⑤ SEE DUCT SMOKE DETECTOR DETAIL SHEET M502 FOR ADDITIONAL INFORMATION.
- ⑥ ALL COOLING COIL CONDENSATE FROM ROOF MOUNTED AHUS SHALL BE RUN TO SANITARY STACK VENT IN COPPER PIPING WITH DWV FITTINGS. SEE DETAILS THIS SHEET.



EXISTING AHU ROOF PLAN



MOISTURE CONDENSATE DRAIN SIZE CRITERIA (DWV)	
COPPER DIRECT WASTE AND VENT PIPE SIZE	INDIVIDUAL OR MANIFOLDED CAPACITY CONNECTED (TONS)
1 1/2"	< 1.5
2"	1.5 & < 3.0
2 1/2"	3.0 & < 4.5
3"	4.5 & < 6.0
4"	6.0 & < 9.0
6"	9.0 & < 18.0
8"	18.0 & < 36.0
10"	36.0 & < 72.0
12"	72.0 & < 144.0
15"	144.0 & < 360.0
18"	360.0 & < 720.0
24"	720.0 & < 1440.0
30"	1440.0 & < 3600.0
36"	3600.0 & < 7200.0
42"	7200.0 & < 14400.0
48"	14400.0 & < 36000.0
60"	36000.0 & < 72000.0
72"	72000.0 & < 144000.0
84"	144000.0 & < 360000.0
96"	360000.0 & < 720000.0
108"	720000.0 & < 1440000.0
120"	1440000.0 & < 3600000.0
144"	3600000.0 & < 7200000.0
168"	7200000.0 & < 14400000.0
192"	14400000.0 & < 36000000.0
216"	36000000.0 & < 72000000.0
240"	72000000.0 & < 144000000.0
264"	144000000.0 & < 360000000.0
288"	360000000.0 & < 720000000.0
312"	720000000.0 & < 1440000000.0
336"	1440000000.0 & < 3600000000.0
360"	3600000000.0 & < 7200000000.0
384"	7200000000.0 & < 14400000000.0
408"	14400000000.0 & < 36000000000.0
432"	36000000000.0 & < 72000000000.0
456"	72000000000.0 & < 144000000000.0
480"	144000000000.0 & < 360000000000.0
504"	360000000000.0 & < 720000000000.0
528"	720000000000.0 & < 1440000000000.0
552"	1440000000000.0 & < 3600000000000.0
576"	3600000000000.0 & < 7200000000000.0
600"	7200000000000.0 & < 14400000000000.0
624"	14400000000000.0 & < 36000000000000.0
648"	36000000000000.0 & < 72000000000000.0
672"	72000000000000.0 & < 144000000000000.0
696"	144000000000000.0 & < 360000000000000.0
720"	360000000000000.0 & < 720000000000000.0
744"	720000000000000.0 & < 1440000000000000.0
768"	1440000000000000.0 & < 3600000000000000.0
792"	3600000000000000.0 & < 7200000000000000.0
816"	7200000000000000.0 & < 14400000000000000.0
840"	14400000000000000.0 & < 36000000000000000.0
864"	36000000000000000.0 & < 72000000000000000.0
888"	72000000000000000.0 & < 144000000000000000.0
912"	144000000000000000.0 & < 360000000000000000.0
936"	360000000000000000.0 & < 720000000000000000.0
960"	720000000000000000.0 & < 1440000000000000000.0
984"	1440000000000000000.0 & < 3600000000000000000.0
1008"	3600000000000000000.0 & < 7200000000000000000.0
1032"	7200000000000000000.0 & < 14400000000000000000.0
1056"	14400000000000000000.0 & < 36000000000000000000.0
1080"	36000000000000000000.0 & < 72000000000000000000.0
1104"	72000000000000000000.0 & < 144000000000000000000.0
1128"	144000000000000000000.0 & < 360000000000000000000.0
1152"	360000000000000000000.0 & < 720000000000000000000.0
1176"	720000000000000000000.0 & < 1440000000000000000000.0
1200"	1440000000000000000000.0 & < 3600000000000000000000.0
1224"	3600000000000000000000.0 & < 7200000000000000000000.0
1248"	7200000000000000000000.0 & < 14400000000000000000000.0
1272"	14400000000000000000000.0 & < 36000000000000000000000.0
1296"	36000000000000000000000.0 & < 72000000000000000000000.0
1320"	72000000000000000000000.0 & < 144000000000000000000000.0
1344"	144000000000000000000000.0 & < 360000000000000000000000.0
1368"	360000000000000000000000.0 & < 720000000000000000000000.0
1392"	720000000000000000000000.0 & < 1440000000000000000000000.0
1416"	1440000000000000000000000.0 & < 3600000000000000000000000.0
1440"	3600000000000000000000000.0 & < 7200000000000000000000000.0
1464"	7200000000000000000000000.0 & < 14400000000000000000000000.0
1488"	14400000000000000000000000.0 & < 36000000000000000000000000.0
1512"	36000000000000000000000000.0 & < 72000000000000000000000000.0
1536"	72000000000000000000000000.0 & < 144000000000000000000000000.0
1560"	144000000000000000000000000.0 & < 360000000000000000000000000.0
1584"	360000000000000000000000000.0 & < 720000000000000000000000000.0
1608"	720000000000000000000000000.0 & < 1440000000000000000000000000.0
1632"	1440000000000000000000000000.0 & < 3600000000000000000000000000.0
1656"	3600000000000000000000000000.0 & < 7200000000000000000000000000.0
1680"	7200000000000000000000000000.0 & < 14400000000000000000000000000.0
1704"	14400000000000000000000000000.0 & < 36000000000000000000000000000.0
1728"	36000000000000000000000000000.0 & < 72000000000000000000000000000.0
1752"	72000000000000000000000000000.0 & < 144000000000000000000000000000.0
1776"	144000000000000000000000000000.0 & < 360000000000000000000000000000.0
1800"	360000000000000000000000000000.0 & < 720000000000000000000000000000.0
1824"	720000000000000000000000000000.0 & < 1440000000000000000000000000000.0
1848"	1440000000000000000000000000000.0 & < 3600000000000000000000000000000.0
1872"	3600000000000000000000000000000.0 & < 7200000000000000000000000000000.0
1896"	7200000000000000000000000000000.0 & < 14400000000000000000000000000000.0
1920"	14400000000000000000000000000000.0 & < 36000000000000000000000000000000.0
1944"	36000000000000000000000000000000.0 & < 72000000000000000000000000000000.0
1968"	72000000000000000000000000000000.0 & < 144000000000000000000000000000000.0
1992"	144000000000000000000000000000000.0 & < 360000000000000000000000000000000.0
2016"	360000000000000000000000000000000.0 & < 720000000000000000000000000000000.0
2040"	720000000000000000000000000000000.0 & < 1440000000000000000000000000000000.0
2064"	1440000000000000000000000000000000.0 & < 3600000000000000000000000000000000.0
2088"	3600000000000000000000000000000000.0 & < 7200000000000000000000000000000000.0
2112"	7200000000000000000000000000000000.0 & < 14400000000000000000000000000000000.0
2136"	14400000000000000000000000000000000.0 & < 36000000000000000000000000000000000.0
2160"	36000000000000000000000000000000000.0 & < 72000000000000000000000000000000000.0
2184"	72000000000000000000000000000000000.0 & < 144000000000000000000000000000000000.0
2208"	144000000000000000000000000000000000.0 & < 360000000000000000000000000000000000.0
2232"	360000000000000000000000000000000000.0 & < 720000000000000000000000000000000000.0
2256"	720000000000000000000000000000000000.0 & < 1440000000000000000000000000000000000.0
2280"	1440000000000000000000000000000000000.0 & < 3600000000000000000000000000000000000.0
2304"	3600000000000000000000000000000000000.0 & < 7200000000000000000000000000000000000.0
2328"	7200000000000000000000000000000000000.0 & < 14400000000000000000000000000000000000.0
2352"	14400000000000000000000000000000000000.0 & < 36000000000000000000000000000000000000.0
2376"	36000000000000000000000000000000000000.0 & < 72000000000000000000000000000000000000.0
2400"	72000000000000000000000000000000000000.0 & < 144000000000000000000000000000000000000.0
2424"	144000000000000000000000000000000000000.0 & < 360000000000000000000000000000000000000.0
2448"	360000000000000000000000000000000000000.0 & < 720000000000000000000000000000000000000.0
2472"	720000000000000000000000000000000000000.0 & < 1440000000000000000000000000000000000000.0
2496"	1440000000000000000000000000000000000000.0 & < 3600000000000000000000000000000000000000.0
2520"	3600000000000000000000000000000000000000.0 & < 7200000000000000000000000000000000000000.0
2544"	7200000000000000000000000000000000000000.0 & < 14400000000000000000000000000000000000000.0
2568"	14400000000000000000000000000000000000000.0 & < 36000000000000000000000000000000000000000.0
2592"	36000000000000000000000000000000000000000.0 & < 72000000000000000000000000000000000000000.0
2616"	72000000000000000000000000000000000000000.0 & < 144000000000000000000000000000000000000000.0
2640"	144000000000000000000000000000000000000000.0 & < 3600.0
2664"	3600.0 & < 7200.0
2688"	7200.0 & < 14400.0
2712"	14400.0 & < 36000.0
2736"	36000.0 & < 72000.0
2760"	72000.0 & < 144000.0
2784"	144000.0 & < 3600.0
2808"	3600.0 & < 7200.0
2832"	7200.0 & < 14400.0
2856"	14400.0 & < 36000.0
2880"	36000.0 & < 72000.0
2904"	72000.0 & < 144000.0
2928"	144000.0 & < 3600.0
2952"	3600.0 & < 7200.0
2976"	7200.0 & < 14400.0
3000"	14400.0 & < 36000.0

DOUBLE AIR GAP SANITARY SEWER MOISTURE CONDENSATE DRAIN SYSTEM

