discharge stack vent

branch vent

fixture vent pipes must ascend at a minimum gradient of 1:80

1:80

all fixture discharge pipes must be vented

fixture vents may be replaced with air admittance valves

fixture vent

maximum developed length without a fixture vent for the topmost fixture discharging to a stack vent:
– 6 m for 100 mm pipe
– 1.5 m for an 80 mm pipe
– 3.5 m for 32 mm to 65 mm pipes

the graded discharge stack shall be sized

graded discharge stack

access point
450 mm

450 mm

vertical stack to drain

no connections allowed within the positive pressure zone, shown red