

居室の換気計算

$$V = \frac{20 Af}{N}$$

V: 有効換気量

Af: 居室の床面積

N: 1人当りの占有面積 m^2

1階閲覧室 $719.76 m^2$ $N=10$

$$V = \frac{20 \times 719.76}{10} = 1,439 m^3/h < 8,800 m^3/h \quad OK$$

休憩室 $13.25 m^2$ $N=2$

$$V = \frac{20 \times 13.25}{2} = 133 m^3/h < 141 m^3/h \quad OK$$

2階第一展示室 $52.85 m^2$ $N=3$

$$V = \frac{20 \times 52.85}{3} = 353 m^3/h < 1,110 m^3/h \quad OK$$

第二展示室 $103.96 m^2$ $N=3$

$$V = \frac{20 \times 103.96}{3} = 693 m^3/h < 2,800 m^3/h \quad OK$$

2階大研修室 $289.12 m^2$ $N=3$

$$V = \frac{20 \times 289.12}{3} = 1,927.5 m^3/h < 2,800 m^3/h \times 3台 = 8,400 m^3/h \quad OK$$

