



ALVS

室名	床面積計算式	合計	採光面積計算式	合計	換気面積計算式	合計	排煙面積計算式	合計
事務室	$6.500 \times 1.700 = 11.050$ $4.500 \times 2.000 = 9.000$	20.050	$1.650 \times 1.300 \times 3.0 = 6.435$ $1.650 \times 1.300 \times 0.637 = 1.366$ $1.650 \times 1.300 \times 0.704 = 1.510$	9.311	$1.650 \times 1.300 \times 2 \times 1/2 = 2.145$	2.145	$1.650 \times 0.200 \times 2 \times 1/2 = 0.330$	0.330
					判定 $2.145 > 28.825 / 20 = 1.441 \rightarrow \text{OK}$	判定 $0.330 > 28.825 / 50 = 0.576 \rightarrow \text{OK}$		
					$1.650 \times 1.300 \times 1/2 = 1.072$	1.072	$1.650 \times 0.200 \times 1/2 = 0.165$	1.165
経理コーナー	$5.000 \times 1.755 = 8.775$	8.775			判定 $9.311 > 28.825 / 10 = 2.882 \rightarrow \text{OK}$	判定 $1.072 > 8.775 / 20 = 0.438 \rightarrow \text{OK}$	判定 $1.165 > 8.775 / 50 = 0.175 \rightarrow \text{OK}$	
					$2.300 \times 2.000 \times 1/2 = 2.300$	3.708	$2.300 \times 0.200 \times 1/2 = 0.230$	
					$2.300 \times 0.400 \times 1/2 = 0.460$		$2.300 \times 0.400 \times 1/2 = 0.460$	
リビング1・キッチン	$3.905 \times 2.700 = 10.543$ $3.525 \times 1.195 = 4.212$ $4.290 \times 7.300 = 31.317$ $0.900 \times 4.605 = 4.144$	50.216	$2.300 \times 2.000 \times 3.0 = 13.800$ $1.650 \times 0.500 \times 0.804 = 0.663$ $2.000 \times 2.000 \times 3.0 = 12.000$	26.493	$1.650 \times 0.500 \times 1/2 = 0.948$		$1.650 \times 0.500 \times 1/2 = 0.412$	
					判定 $3.708 > 50.216 / 20 = 2.510 \rightarrow \text{OK}$		判定 $1.270 > 50.216 / 50 = 1.004 \rightarrow \text{OK}$	
					$2.000 \times 2.000 \times 1/2 = 2.000$	3.072	$2.000 \times 0.400 \times 1/2 = 0.400$	
タタミの間	$5.160 \times 3.775 = 19.479$ $4.160 \times 2.000 = 8.320$	27.799			$1.650 \times 1.300 \times 1/2 = 1.072$		$1.650 \times 0.400 \times 1/2 = 0.330$	
					判定 $3.072 > 27.799 / 20 = 1.389 \rightarrow \text{OK}$		判定 $0.730 > 27.799 / 50 = 0.555 \rightarrow \text{OK}$	
					判定 $26.493 > 78.015 / 7 = 11.145 \rightarrow \text{OK}$			
リビング2	$5.815 \times 7.345 = 42.711$ $2.190 \times 1.645 = 3.602$ $1.975 \times 2.655 = 5.243$ $3.400 \times 2.150 = 7.310$	58.866	$1.650 \times 2.000 \times 3.0 \times 2 = 19.800$	19.800	$1.650 \times 2.000 \times 2 \times 1/2 = 3.300$	3.300	$0.700 \times 0.700 \times 3 = 1.470$	
					判定 $19.800 > 58.866 / 7 = 8.409 \rightarrow \text{OK}$		判定 $3.300 > 58.866 / 20 = 2.943 \rightarrow \text{OK}$	
					判定 $3.300 > 58.866 / 50 = 1.177 \rightarrow \text{OK}$			

消防活動上有効な開口面積算定式

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$$2 \times 1.6 \times 2.0 \times 4 = 12.80$$

$$\begin{array}{ll}
 1\text{階} & 2\text{階} \\
 1.6 \times 1.3 = 2.145 & 1.6 \times 2.0 \times 4 = 12.80 \\
 2.3 \times 2.0 = 4.6 & 12.80 > 153.5 / 30 = 5.11 \quad \therefore \text{有窓}
 \end{array}$$

室名	床面積計算式	合計	採光面積計算式	合計	換気面積計算式	合計	排煙面積計算式	合計
寝室 1	$3.400 \times 5.040 = 17.136$ $1.700 \times 1.035 = 1.759$	18.895	$1.650 \times 2.000 \times 3.0 \times 2 = 19.800$	19.800	$1.650 \times 2.000 \times 2 \times 1/2 = 3.300$	3.300	$1.650 \times 0.400 \times 2 \times 1/2 = 0.660$	0.660
			判定 $19.800 > 18.895 / 7 = 2.699 \rightarrow \text{OK}$		判定 $3.300 > 18.895 / 20 = 0.944 \rightarrow \text{OK}$		判定 $0.660 > 18.895 / 50 = 0.377 \rightarrow \text{OK}$	
寝室 2	$3.400 \times 2.925 = 9.945$	9.945	$1.650 \times 2.000 \times 3.0 = 9.900$	9.900	$1.650 \times 2.000 \times 1/2 = 1.650$	1.650	$1.650 \times 0.400 \times 1/2 = 0.330$	0.330
			判定 $9.900 > 9.945 / 7 = 1.420 \rightarrow \text{OK}$		判定 $1.650 > 9.945 / 20 = 0.497 \rightarrow \text{OK}$		判定 $0.330 > 9.945 / 50 = 0.198 \rightarrow \text{OK}$	
寝室 3	$3.400 \times 2.550 = 8.670$	8.670	$1.650 \times 2.000 \times 3.000 = 9.900$	9.900	$1.650 \times 2.000 \times 1/2 = 1.650$	1.650	$1.650 \times 0.400 \times 1/2 = 0.330$	0.330
			判定 $9.900 > 8.670 / 7 = 1.238 \rightarrow \text{OK}$		判定 $1.650 > 8.670 / 20 = 0.433 \rightarrow \text{OK}$		判定 $0.330 > 8.670 / 50 = 0.173 \rightarrow \text{OK}$	
宿直室	$1.685 \times 3.050 = 5.139$ $1.050 \times 1.350 = 1.417$ $0.900 \times 1.000 = 0.900$	7.456	$1.650 \times 1.100 \times 3.000 = 5.445$	5.445	$1.650 \times 1.100 \times 1/2 = 0.907$	0.907	$1.650 \times 0.400 \times 1/2 = 0.330$	0.330
			判定 $5.445 > 7.456 / 7 = 1.065 \rightarrow \text{OK}$		判定 $0.907 > 7.456 / 20 = 0.372 \rightarrow \text{OK}$		判定 $0.330 > 7.456 / 50 = 0.149 \rightarrow \text{OK}$	
休憩室	$1.835 \times 2.405 = 4.413$ $0.900 \times 1.405 = 1.264$	5.677	$1.650 \times 1.100 \times 3.0 = 5.445$	5.445	$1.650 \times 1.100 \times 1/2 = 0.907$	0.907	$1.650 \times 0.400 \times 1/2 = 0.330$	0.330
			判定 $5.445 > 5.677 / 7 = 0.811 \rightarrow \text{OK}$		判定 $0.907 > 5.677 / 20 = 0.283 \rightarrow \text{OK}$		判定 $0.330 > 5.677 / 50 = 0.113 \rightarrow \text{OK}$	

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 1.6 \times 1.3 = 2.145 & 1.6 \times 2.0 \times 4 = 12.80 \\
 2.3 \times 2.0 = 4.6 & 12.80 > 153.5 / 30 = 5.11 \quad \therefore \text{有窓}
 \end{array}$$

2.145+4.6=6.745>172.70
訂 正 年 月 日
10.01.07

工事名　生活支援事業所 こうのいけスペース 新築工

図名

縮 尺 1/100

株式会社 井上工務店 一級建築士事務所
一級建築士事務所 兵庫県知事登録 第202103号
一級建築士 第312890号 安達 聰美

	受領	設計	製図	図面No
		安達	安達	A05