

Table 1. Quantity of drift-sensitive components per floor

Component type	Details	Unit quantity	4-storey			12-storey		
			Quantity x direction	Quantity y direction	Comments	Quantity x direction	Quantity y direction	Comments
Partitions (steel framing)	Full-height	1.2 m length	14	35	All floors	21	52	All floors
	Partial-height	1.2 m length	18	34	All floors	27	51	All floors
	Interior glazing	2.8 m ² area	16	5	All floors	24	8	All floors
Cladding	Exterior glazing	2.8 m ² area	104	-	All floors	124	-	All floors
	Precast panel	3.8 m length	-	12	All floors	-	14	All floors
Stairs	-	1 stairwell	1	1	All floors	1	1	All floors

Table 2. Quantity of acceleration-sensitive components per floor

Component type	Details	Unit quantity	4-storey		12-storey	
			Quantity	Comment	Quantity	Comment
Suspended ceiling (main tee length by cross tee length)	4.0 m by 2.5 m	1 ceiling	1	All floors	2	All floors
	4.0 m by 3.0 m	1 ceiling	1	All floors	2	All floors
	4.0 m by 4.0 m	1 ceiling	2	All floors	3	All floors
	4.0 m by 8.0 m	1 ceiling	2	All floors	2	All floors
	6.5 m by 2.0 m	1 ceiling	2	All floors	3	All floors
	6.5 m by 8.0 m	1 ceiling	1	All floors	1	All floors
Braced ceiling	-	1 brace	34	All floors	51	All floors
Traction elevators	-	1 elevator	3	Ground	3	Ground
Pipe distribution	Water	305 m length	2	All floors	3	All floors
	Sanitary	305 m length	1	All floors	1	All floors
HVAC	Chiller capacity 100-350	1 unit	1	Ground	-	-
	Chiller capacity 350-700	1 unit	-	-	1	Ground
	Cooling tower capacity 100-350	1 unit	1	Roof	-	-
	Cooling tower capacity 350-700	1 unit	-	-	1	Roof
	Ducts < 6 ft ² cross section	305 m length	1	All floors	2	All floors
	Drops and diffusers	10 units	10	All floors	15	All floors
	Coils	10 units	5	All floors	8	All floors
	VAV Boxes	10 units	2	All floors	3	All floors
	Packed air handling units 10000-25000 cfm	1 unit	2	Roof	-	-
Packed air handling units 25000-40000 cfm	1 unit	-	-	4	Roof	
Fire sprinklers	Drops	10 units	10	All floors	15	All floors
	Pipes	305 m length	2	All floors	3	All floors
Electrical	Transformers 100-350 kVA	1 unit	1	Ground	-	Ground
	Transformers 350-750 kVA	1 unit	-	Ground	1	Ground