

Project name

Shell and Core

Main Office Building

As built

Date: Thu May 25 10:23:24 2023

Administrative information

Building Details

Address: 30 Miller Street, Manchester, M4 4DY

Certification tool

Calculation engine: Apache

Calculation engine version: 7.0.20

Interface to calculation engine: IES Virtual Environment

Interface to calculation engine version: 7.0.20

BRUKL compliance check version: v5.6.b.0

Certifier details

Name: Stuart Dixon (LCEA086829)

Telephone number: 07530 094 464

Address: SES (Engineering Services), Paradigm, 3175 Century Way, Thorpe Park, Leeds, LS15 8ZB

Criterion 1: The calculated CO₂ emission rate for the building must not exceed the target

CO ₂ emission rate from the notional building, kgCO ₂ /m ² .annum	21
Target CO ₂ emission rate (TER), kgCO ₂ /m ² .annum	21
Building CO ₂ emission rate (BER), kgCO ₂ /m ² .annum	12.3
Are emissions from the building less than or equal to the target?	BER ≤ TER
Are as built details the same as used in the BER calculations?	Separate submission

Criterion 2: The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Values which do not achieve the standards in the Non-Domestic Building Services Compliance Guide and Part L are displayed in red.

Building fabric

Element	U _a -Limit	U _a -Calc	U _i -Calc	Surface where the maximum value occurs*
Wall**	0.35	0.19	0.2	LG000007:Surf[2]
Floor	0.25	0.2	0.2	0300000B:Surf[0]
Roof	0.25	0.17	0.18	LG00002D:Surf[1]
Windows***, roof windows, and rooflights	2.2	1.11	1.4	GF000008:Surf[22]
Personnel doors	2.2	1.26	1.3	00000038:Surf[1]
Vehicle access & similar large doors	1.5	-	-	No vehicle access doors in building
High usage entrance doors	3.5	4.9	4.9	GF000008:Surf[23]
U _a -Limit = Limiting area-weighted average U-values [W/(m ² K)] U _a -Calc = Calculated area-weighted average U-values [W/(m ² K)] U _i -Calc = Calculated maximum individual element U-values [W/(m ² K)] * There might be more than one surface where the maximum U-value occurs. ** Automatic U-value check by the tool does not apply to curtain walls whose limiting standard is similar to that for windows. *** Display windows and similar glazing are excluded from the U-value check. N.B.: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.				

Air Permeability	Worst acceptable standard	This building
m ³ /(h.m ²) at 50 Pa	10	2.98

Building services

The standard values listed below are minimum values for efficiencies and maximum values for SFPs. Refer to the Non-Domestic Building Services Compliance Guide for details.

Whole building lighting automatic monitoring & targeting with alarms for out-of-range values	YES
Whole building electric power factor achieved by power factor correction	>0.95

1- 04a. AHU-11-05 only

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	-	0	2	0.75
Standard value	2.5*	N/A	N/A	1.5^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

2- 03b. Local electric heating and natural ventilation

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	1	-	0.67	-	-
Standard value	N/A	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

3- 04b. AHU-00-04 only

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	-	0	0.52	0.85
Standard value	2.5*	N/A	N/A	1.5^	0.5
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

4- 01b. FCU-Ground Zone 02 and AHU-00-02

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	3.14	0	1.15	0.82
Standard value	2.5*	3.2	N/A	1.6^	0.5
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

5- 01c. FCU-Ground Zone 03 and AHU-00-03

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	3.14	0	1.09	0.82
Standard value	2.5*	3.2	N/A	1.6^	0.5
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

6- 01a. FCU-Ground Zone 01 and AHU-00-01

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	3.14	0	1.64	0.82
Standard value	2.5*	3.2	N/A	1.6^	0.5
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

7- 01e. FCU-Office Zone 02 and AHU-11-02 (Office B)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	3.14	0	1.35	0.76
Standard value	2.5*	3.2	N/A	1.6^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

8- 01f. FCU-Office Zone 03 and AHU-11-03 (Office C)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	3.14	0	1.6	0.76
Standard value	2.5*	3.2	N/A	1.6^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

9- 01g. FCU-Office Zone 04 and AHU-11-04 (Office D)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	3.14	0	1.77	0.76
Standard value	2.5*	3.2	N/A	1.6^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

10- 01d. FCU-Office Zone 01 and AHU-11-01 (Office A)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	2.41	3.14	0	1.59	0.76
Standard value	2.5*	3.2	N/A	1.6^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.					
^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.					

1- 06a. DHWS-Main Building Shower Area

	Water heating efficiency	Storage loss factor [kWh/litre per day]
This building	4.74	-
Standard value	2*	N/A
* Standard shown is for all types except absorption and gas engine heat pumps.		

2- 06b. DHWS-Main Building Toilets

	Water heating efficiency	Storage loss factor [kWh/litre per day]
This building	1	-
Standard value	1	N/A

Local mechanical ventilation, exhaust, and terminal units

ID	System type in Non-domestic Building Services Compliance Guide
A	Local supply or extract ventilation units serving a single area
B	Zonal supply system where the fan is remote from the zone
C	Zonal extract system where the fan is remote from the zone
D	Zonal supply and extract ventilation units serving a single room or zone with heating and heat recovery
E	Local supply and extract ventilation system serving a single area with heating and heat recovery
F	Other local ventilation units
G	Fan-assisted terminal VAV unit
H	Fan coil units
I	Zonal extract system where the fan is remote from the zone with grease filter

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1		
GF-OF-001 OFFICE 00/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-OF-001 OFFICE 00/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-OF-001 OFFICE 00/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-OF-001 OFFICE 00/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-OF-001 OFFICE 00/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-OF-001 OFFICE 00/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-OF-001 OFFICE 00/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-OF-001 OFFICE 00/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
GF-RE-001 ENTRANCE/RECEPTION	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(I/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
01-OF-001 OFFICE 01/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
01-OF-001 OFFICE 01/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(I/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1		
02-OF-001 OFFICE 02/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
02-OF-001 OFFICE 02/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
03-OF-001 OFFICE 03/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
03-OF-001 OFFICE 03/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
04-OF-001 OFFICE 04/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
04-OF-001 OFFICE 04/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1		
05-OF-001 OFFICE 05/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
05-OF-001 OFFICE 05/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1		
06-OF-001 OFFICE 06/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
06-OF-001 OFFICE 06/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(I/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1		
07-OF-001 OFFICE 07/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/EXT/29	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
07-OF-001 OFFICE 07/INT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1		
08-OF-001 OFFICE 08/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/27	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/28	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/EXT/29	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
08-OF-001 OFFICE 08/INT/17	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1		
08-OF-001 OFFICE 08/INT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 EAST ZONE EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 EAST ZONE EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 EAST ZONE EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 EAST ZONE INT	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 NORTH ZONE EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 NORTH ZONE EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 NORTH ZONE EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 NORTH ZONE EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 NORTH ZONE EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 NORTH ZONE INT	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 OFFICE ENTRANCE	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 OFFICE ENTRANCE	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 OFFICE ENTRANCE	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 WEST ZONE EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 WEST ZONE EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 WEST ZONE EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
09-OF-001 WEST ZONE INT	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/01	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/02	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/03	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/04	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/05	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/06	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/07	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/08	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/09	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/10	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/11	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/12	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/13	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/14	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/15	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/16	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/17	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/18	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/19	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/20	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/21	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/22	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/23	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/24	-	-	-	-	-	-	-	0.1	-	-	N/A
10-OF-001 OFFICE 10/EXT/25	-	-	-	-	-	-	-	0.1	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard	
10-OF-001 OFFICE 10/EXT/26	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/01	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/02	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/03	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/04	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/05	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/06	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/07	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/08	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/09	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/10	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/11	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/12	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/13	-	-	-	-	-	-	-	0.1	-	-	N/A	
10-OF-001 OFFICE 10/INT/14	-	-	-	-	-	-	-	0.1	-	-	N/A	

Shell and core configuration

Zone	Excluded from calculation?
LG-AM-001 CYCLE STORE	NO
LG-AM-002 DRYING ROOM	NO
LG-AM-005 UNISEX LOCKERS / SHOWER	NO
LG-AM-006 UNISEX SHOWER	NO
LG-AM-007 UNISEX ACC AC & SHOWER	NO
LG-AM-008 SHOWERS & WC CIRCULATION	NO
LG-AM-009 SHOWERS & WC CIRCULATION	NO
LG-BH-001 CIRCULATION	NO
LG-BH-002 TOWEL STORE	NO
LG-BH-003 BIN STORE	NO
LG-BH-005 CLEANERS CLOSET/STORE	NO
LG-BH-006 CCTV/STORE	NO
LG-BH-007 CLEANERS STORE	NO
LG-CR-??? CIRCULATION	NO
LG-CR-001 CIRCULATION	NO
LG-CR-002 CIRCULATION	NO
LG-CR-004 CIRCULATION	NO
LG-CR-004 LOBBY	NO
LG-CR-005 CIRCUALTION	NO
LG-CR-006 CIRCULATION	NO
LG-CR-007 CIRCULATION	NO
LG-CR-008 LOBBY	NO
LG-PR-004 CPV PLANT	NO
LG-PR-005 COMMS	NO
LG-PR-006 Heat Pump Room	NO
LG-PR-007 SPRINKLER TANK COLD WATER TANK	NO
LG-ST-001 STAIR 1	NO

Shell and core configuration

Zone	Excluded from calculation?
LG-ST-003 STAIR 3	NO
GF-AM-006 DISABLED WC	NO
GF-AM-007 ACC. WC	NO
GF-BH-001 BOH CIRCULATION	NO
GF-BH-002 GOODS LIFT LOBBY	NO
GF-BH-003 LOBBY	NO
GF-BH-004 STAFF/BUILDING MANAGEMENT	NO
GF-BH-005 CLEANERS STORE	NO
GF-CR-001 CORE LOBBY	NO
GF-CR-002 WCs	NO
GF-CR-003 LOBBY	NO
GF-CR-030 POST STORE	NO
GF-OF-001 OFFICE 00/EXT/01	YES
GF-OF-001 OFFICE 00/EXT/02	YES
GF-OF-001 OFFICE 00/EXT/03	YES
GF-OF-001 OFFICE 00/EXT/04	YES
GF-OF-001 OFFICE 00/EXT/05	YES
GF-OF-001 OFFICE 00/INT/01	YES
GF-OF-001 OFFICE 00/INT/02	YES
GF-OF-001 OFFICE 00/INT/03	YES
GF-RE-001 ENTRANCE/RECEPTION	NO
GF-ST-002 STAIR 2	NO
GF-ST-004 STAIR 6	NO
01-AM-002 WCs	NO
01-AM-008 DISABLED WC	NO
01-BH-001 CLEANERS STORE	NO
01-CR-001 CORE LOBBY	NO
01-OF-001 OFFICE 01/EXT/01	YES
01-OF-001 OFFICE 01/EXT/02	YES
01-OF-001 OFFICE 01/EXT/03	YES
01-OF-001 OFFICE 01/EXT/04	YES
01-OF-001 OFFICE 01/EXT/05	YES
01-OF-001 OFFICE 01/EXT/06	YES
01-OF-001 OFFICE 01/EXT/07	YES
01-OF-001 OFFICE 01/EXT/08	YES
01-OF-001 OFFICE 01/EXT/09	YES
01-OF-001 OFFICE 01/EXT/10	YES
01-OF-001 OFFICE 01/EXT/11	YES
01-OF-001 OFFICE 01/EXT/12	YES
01-OF-001 OFFICE 01/EXT/13	YES
01-OF-001 OFFICE 01/EXT/14	YES
01-OF-001 OFFICE 01/EXT/15	YES
01-OF-001 OFFICE 01/EXT/16	YES
01-OF-001 OFFICE 01/EXT/17	YES
01-OF-001 OFFICE 01/EXT/18	YES
01-OF-001 OFFICE 01/EXT/19	YES
01-OF-001 OFFICE 01/EXT/20	YES

Shell and core configuration

Zone	Excluded from calculation?
01-OF-001 OFFICE 01/EXT/21	YES
01-OF-001 OFFICE 01/EXT/22	YES
01-OF-001 OFFICE 01/EXT/23	YES
01-OF-001 OFFICE 01/EXT/24	YES
01-OF-001 OFFICE 01/EXT/25	YES
01-OF-001 OFFICE 01/EXT/26	YES
01-OF-001 OFFICE 01/EXT/27	YES
01-OF-001 OFFICE 01/EXT/28	YES
01-OF-001 OFFICE 01/INT/01	YES
01-OF-001 OFFICE 01/INT/02	YES
01-OF-001 OFFICE 01/INT/03	YES
01-OF-001 OFFICE 01/INT/04	YES
01-OF-001 OFFICE 01/INT/05	YES
01-OF-001 OFFICE 01/INT/06	YES
01-OF-001 OFFICE 01/INT/07	YES
01-OF-001 OFFICE 01/INT/08	YES
01-OF-001 OFFICE 01/INT/09	YES
01-OF-001 OFFICE 01/INT/10	YES
01-OF-001 OFFICE 01/INT/11	YES
01-OF-001 OFFICE 01/INT/12	YES
01-OF-001 OFFICE 01/INT/13	YES
01-OF-001 OFFICE 01/INT/14	YES
01-OF-001 OFFICE 01/INT/15	YES
01-OF-001 OFFICE 01/INT/16	YES
01-OF-001 OFFICE 01/INT/17	YES
02-AM-002 WCs	NO
02-AM-008 DISBALED WC	NO
02-CR-001 CORE LOBBY	NO
02-OF-001 OFFICE 02/EXT/01	YES
02-OF-001 OFFICE 02/EXT/02	YES
02-OF-001 OFFICE 02/EXT/03	YES
02-OF-001 OFFICE 02/EXT/04	YES
02-OF-001 OFFICE 02/EXT/05	YES
02-OF-001 OFFICE 02/EXT/06	YES
02-OF-001 OFFICE 02/EXT/07	YES
02-OF-001 OFFICE 02/EXT/08	YES
02-OF-001 OFFICE 02/EXT/09	YES
02-OF-001 OFFICE 02/EXT/10	YES
02-OF-001 OFFICE 02/EXT/11	YES
02-OF-001 OFFICE 02/EXT/12	YES
02-OF-001 OFFICE 02/EXT/13	YES
02-OF-001 OFFICE 02/EXT/14	YES
02-OF-001 OFFICE 02/EXT/15	YES
02-OF-001 OFFICE 02/EXT/16	YES
02-OF-001 OFFICE 02/EXT/17	YES
02-OF-001 OFFICE 02/EXT/18	YES
02-OF-001 OFFICE 02/EXT/19	YES

Shell and core configuration

Zone	Excluded from calculation?
02-OF-001 OFFICE 02/EXT/20	YES
02-OF-001 OFFICE 02/EXT/21	YES
02-OF-001 OFFICE 02/EXT/22	YES
02-OF-001 OFFICE 02/EXT/23	YES
02-OF-001 OFFICE 02/EXT/24	YES
02-OF-001 OFFICE 02/EXT/25	YES
02-OF-001 OFFICE 02/EXT/26	YES
02-OF-001 OFFICE 02/EXT/27	YES
02-OF-001 OFFICE 02/EXT/28	YES
02-OF-001 OFFICE 02/INT/01	YES
02-OF-001 OFFICE 02/INT/02	YES
02-OF-001 OFFICE 02/INT/03	YES
02-OF-001 OFFICE 02/INT/04	YES
02-OF-001 OFFICE 02/INT/05	YES
02-OF-001 OFFICE 02/INT/06	YES
02-OF-001 OFFICE 02/INT/07	YES
02-OF-001 OFFICE 02/INT/08	YES
02-OF-001 OFFICE 02/INT/09	YES
02-OF-001 OFFICE 02/INT/10	YES
02-OF-001 OFFICE 02/INT/11	YES
02-OF-001 OFFICE 02/INT/12	YES
02-OF-001 OFFICE 02/INT/13	YES
02-OF-001 OFFICE 02/INT/14	YES
02-OF-001 OFFICE 02/INT/15	YES
02-OF-001 OFFICE 02/INT/16	YES
02-OF-001 OFFICE 02/INT/17	YES
02-PR-001 COMMS ROOM	NO
03-AM-001 WCs	NO
03-AM-008 DISABLED WC	NO
03-BH-001 CLEANERS STORE	NO
03-CR-001 CORE LOBBY	NO
03-OF-001 OFFICE 03/EXT/01	YES
03-OF-001 OFFICE 03/EXT/02	YES
03-OF-001 OFFICE 03/EXT/03	YES
03-OF-001 OFFICE 03/EXT/04	YES
03-OF-001 OFFICE 03/EXT/05	YES
03-OF-001 OFFICE 03/EXT/06	YES
03-OF-001 OFFICE 03/EXT/07	YES
03-OF-001 OFFICE 03/EXT/08	YES
03-OF-001 OFFICE 03/EXT/09	YES
03-OF-001 OFFICE 03/EXT/10	YES
03-OF-001 OFFICE 03/EXT/11	YES
03-OF-001 OFFICE 03/EXT/12	YES
03-OF-001 OFFICE 03/EXT/13	YES
03-OF-001 OFFICE 03/EXT/14	YES
03-OF-001 OFFICE 03/EXT/15	YES
03-OF-001 OFFICE 03/EXT/16	YES

Shell and core configuration

Zone	Excluded from calculation?
03-OF-001 OFFICE 03/EXT/17	YES
03-OF-001 OFFICE 03/EXT/18	YES
03-OF-001 OFFICE 03/EXT/19	YES
03-OF-001 OFFICE 03/EXT/20	YES
03-OF-001 OFFICE 03/EXT/21	YES
03-OF-001 OFFICE 03/EXT/22	YES
03-OF-001 OFFICE 03/EXT/23	YES
03-OF-001 OFFICE 03/EXT/24	YES
03-OF-001 OFFICE 03/EXT/25	YES
03-OF-001 OFFICE 03/EXT/26	YES
03-OF-001 OFFICE 03/EXT/27	YES
03-OF-001 OFFICE 03/EXT/28	YES
03-OF-001 OFFICE 03/INT/01	YES
03-OF-001 OFFICE 03/INT/02	YES
03-OF-001 OFFICE 03/INT/03	YES
03-OF-001 OFFICE 03/INT/04	YES
03-OF-001 OFFICE 03/INT/05	YES
03-OF-001 OFFICE 03/INT/06	YES
03-OF-001 OFFICE 03/INT/07	YES
03-OF-001 OFFICE 03/INT/08	YES
03-OF-001 OFFICE 03/INT/09	YES
03-OF-001 OFFICE 03/INT/10	YES
03-OF-001 OFFICE 03/INT/11	YES
03-OF-001 OFFICE 03/INT/12	YES
03-OF-001 OFFICE 03/INT/13	YES
03-OF-001 OFFICE 03/INT/14	YES
03-OF-001 OFFICE 03/INT/15	YES
03-OF-001 OFFICE 03/INT/16	YES
03-OF-001 OFFICE 03/INT/17	YES
04-AM-008 DISABLED WC	NO
04-BH-001 CLEANERS STORE	NO
04-CR-001 CORE LOBBY	NO
04-CR-002 WCs	NO
04-OF-001 OFFICE 04/EXT/01	YES
04-OF-001 OFFICE 04/EXT/02	YES
04-OF-001 OFFICE 04/EXT/03	YES
04-OF-001 OFFICE 04/EXT/04	YES
04-OF-001 OFFICE 04/EXT/05	YES
04-OF-001 OFFICE 04/EXT/06	YES
04-OF-001 OFFICE 04/EXT/07	YES
04-OF-001 OFFICE 04/EXT/08	YES
04-OF-001 OFFICE 04/EXT/09	YES
04-OF-001 OFFICE 04/EXT/10	YES
04-OF-001 OFFICE 04/EXT/11	YES
04-OF-001 OFFICE 04/EXT/12	YES
04-OF-001 OFFICE 04/EXT/13	YES
04-OF-001 OFFICE 04/EXT/14	YES

Shell and core configuration

Zone	Excluded from calculation?
04-OF-001 OFFICE 04/EXT/15	YES
04-OF-001 OFFICE 04/EXT/16	YES
04-OF-001 OFFICE 04/EXT/17	YES
04-OF-001 OFFICE 04/EXT/18	YES
04-OF-001 OFFICE 04/EXT/19	YES
04-OF-001 OFFICE 04/EXT/20	YES
04-OF-001 OFFICE 04/EXT/21	YES
04-OF-001 OFFICE 04/EXT/22	YES
04-OF-001 OFFICE 04/EXT/23	YES
04-OF-001 OFFICE 04/EXT/24	YES
04-OF-001 OFFICE 04/EXT/25	YES
04-OF-001 OFFICE 04/EXT/26	YES
04-OF-001 OFFICE 04/EXT/27	YES
04-OF-001 OFFICE 04/EXT/28	YES
04-OF-001 OFFICE 04/INT/01	YES
04-OF-001 OFFICE 04/INT/02	YES
04-OF-001 OFFICE 04/INT/03	YES
04-OF-001 OFFICE 04/INT/04	YES
04-OF-001 OFFICE 04/INT/05	YES
04-OF-001 OFFICE 04/INT/06	YES
04-OF-001 OFFICE 04/INT/07	YES
04-OF-001 OFFICE 04/INT/08	YES
04-OF-001 OFFICE 04/INT/09	YES
04-OF-001 OFFICE 04/INT/10	YES
04-OF-001 OFFICE 04/INT/11	YES
04-OF-001 OFFICE 04/INT/12	YES
04-OF-001 OFFICE 04/INT/13	YES
04-OF-001 OFFICE 04/INT/14	YES
04-OF-001 OFFICE 04/INT/15	YES
04-OF-001 OFFICE 04/INT/16	YES
04-OF-001 OFFICE 04/INT/17	YES
05-AM-008 DISABLED WC	NO
05-CR-001 CORE LOBBY	NO
05-CR-002 WCs	NO
05-OF-001 OFFICE 05/EXT/01	YES
05-OF-001 OFFICE 05/EXT/02	YES
05-OF-001 OFFICE 05/EXT/03	YES
05-OF-001 OFFICE 05/EXT/04	YES
05-OF-001 OFFICE 05/EXT/05	YES
05-OF-001 OFFICE 05/EXT/06	YES
05-OF-001 OFFICE 05/EXT/07	YES
05-OF-001 OFFICE 05/EXT/08	YES
05-OF-001 OFFICE 05/EXT/09	YES
05-OF-001 OFFICE 05/EXT/10	YES
05-OF-001 OFFICE 05/EXT/11	YES
05-OF-001 OFFICE 05/EXT/12	YES
05-OF-001 OFFICE 05/EXT/13	YES

Shell and core configuration

Zone	Excluded from calculation?
05-OF-001 OFFICE 05/EXT/14	YES
05-OF-001 OFFICE 05/EXT/15	YES
05-OF-001 OFFICE 05/EXT/16	YES
05-OF-001 OFFICE 05/EXT/17	YES
05-OF-001 OFFICE 05/EXT/18	YES
05-OF-001 OFFICE 05/EXT/19	YES
05-OF-001 OFFICE 05/EXT/20	YES
05-OF-001 OFFICE 05/EXT/21	YES
05-OF-001 OFFICE 05/EXT/22	YES
05-OF-001 OFFICE 05/EXT/23	YES
05-OF-001 OFFICE 05/EXT/24	YES
05-OF-001 OFFICE 05/EXT/25	YES
05-OF-001 OFFICE 05/EXT/26	YES
05-OF-001 OFFICE 05/EXT/27	YES
05-OF-001 OFFICE 05/EXT/28	YES
05-OF-001 OFFICE 05/INT/01	YES
05-OF-001 OFFICE 05/INT/02	YES
05-OF-001 OFFICE 05/INT/03	YES
05-OF-001 OFFICE 05/INT/04	YES
05-OF-001 OFFICE 05/INT/05	YES
05-OF-001 OFFICE 05/INT/06	YES
05-OF-001 OFFICE 05/INT/07	YES
05-OF-001 OFFICE 05/INT/08	YES
05-OF-001 OFFICE 05/INT/09	YES
05-OF-001 OFFICE 05/INT/10	YES
05-OF-001 OFFICE 05/INT/11	YES
05-OF-001 OFFICE 05/INT/12	YES
05-OF-001 OFFICE 05/INT/13	YES
05-OF-001 OFFICE 05/INT/14	YES
05-OF-001 OFFICE 05/INT/15	YES
05-OF-001 OFFICE 05/INT/16	YES
05-OF-001 OFFICE 05/INT/17	YES
05-PR-001 COMMS ROOM	NO
06-AM-008 DISABLED WC	NO
06-BH-001 CLEANERS STORE	NO
06-CR-002 WCs	NO
06-OF-001 OFFICE 06/EXT/01	YES
06-OF-001 OFFICE 06/EXT/02	YES
06-OF-001 OFFICE 06/EXT/03	YES
06-OF-001 OFFICE 06/EXT/04	YES
06-OF-001 OFFICE 06/EXT/05	YES
06-OF-001 OFFICE 06/EXT/06	YES
06-OF-001 OFFICE 06/EXT/07	YES
06-OF-001 OFFICE 06/EXT/08	YES
06-OF-001 OFFICE 06/EXT/09	YES
06-OF-001 OFFICE 06/EXT/10	YES
06-OF-001 OFFICE 06/EXT/11	YES

Shell and core configuration

Zone	Excluded from calculation?
06-OF-001 OFFICE 06/EXT/12	YES
06-OF-001 OFFICE 06/EXT/13	YES
06-OF-001 OFFICE 06/EXT/14	YES
06-OF-001 OFFICE 06/EXT/15	YES
06-OF-001 OFFICE 06/EXT/16	YES
06-OF-001 OFFICE 06/EXT/17	YES
06-OF-001 OFFICE 06/EXT/18	YES
06-OF-001 OFFICE 06/EXT/19	YES
06-OF-001 OFFICE 06/EXT/20	YES
06-OF-001 OFFICE 06/EXT/21	YES
06-OF-001 OFFICE 06/EXT/22	YES
06-OF-001 OFFICE 06/EXT/23	YES
06-OF-001 OFFICE 06/EXT/24	YES
06-OF-001 OFFICE 06/EXT/25	YES
06-OF-001 OFFICE 06/EXT/26	YES
06-OF-001 OFFICE 06/EXT/27	YES
06-OF-001 OFFICE 06/EXT/28	YES
06-OF-001 OFFICE 06/INT/01	YES
06-OF-001 OFFICE 06/INT/02	YES
06-OF-001 OFFICE 06/INT/03	YES
06-OF-001 OFFICE 06/INT/04	YES
06-OF-001 OFFICE 06/INT/05	YES
06-OF-001 OFFICE 06/INT/06	YES
06-OF-001 OFFICE 06/INT/07	YES
06-OF-001 OFFICE 06/INT/08	YES
06-OF-001 OFFICE 06/INT/09	YES
06-OF-001 OFFICE 06/INT/10	YES
06-OF-001 OFFICE 06/INT/11	YES
06-OF-001 OFFICE 06/INT/12	YES
06-OF-001 OFFICE 06/INT/13	YES
06-OF-001 OFFICE 06/INT/14	YES
06-OF-001 OFFICE 06/INT/15	YES
06-OF-001 OFFICE 06/INT/16	YES
06-OF-001 OFFICE 06/INT/17	YES
06-ST-1110 CORE LOBBY	NO
07-AM-001 WCs	NO
07-AM-008 DISABLED WC	NO
07-BH-001 CLEANERS STORE	NO
07-CR-001 CORE LOBBY	NO
07-OF-001 OFFICE 07/EXT/01	YES
07-OF-001 OFFICE 07/EXT/02	YES
07-OF-001 OFFICE 07/EXT/03	YES
07-OF-001 OFFICE 07/EXT/04	YES
07-OF-001 OFFICE 07/EXT/05	YES
07-OF-001 OFFICE 07/EXT/06	YES
07-OF-001 OFFICE 07/EXT/07	YES
07-OF-001 OFFICE 07/EXT/08	YES

Shell and core configuration

Zone	Excluded from calculation?
07-OF-001 OFFICE 07/EXT/09	YES
07-OF-001 OFFICE 07/EXT/10	YES
07-OF-001 OFFICE 07/EXT/11	YES
07-OF-001 OFFICE 07/EXT/12	YES
07-OF-001 OFFICE 07/EXT/13	YES
07-OF-001 OFFICE 07/EXT/14	YES
07-OF-001 OFFICE 07/EXT/15	YES
07-OF-001 OFFICE 07/EXT/16	YES
07-OF-001 OFFICE 07/EXT/17	YES
07-OF-001 OFFICE 07/EXT/18	YES
07-OF-001 OFFICE 07/EXT/19	YES
07-OF-001 OFFICE 07/EXT/20	YES
07-OF-001 OFFICE 07/EXT/21	YES
07-OF-001 OFFICE 07/EXT/22	YES
07-OF-001 OFFICE 07/EXT/23	YES
07-OF-001 OFFICE 07/EXT/24	YES
07-OF-001 OFFICE 07/EXT/25	YES
07-OF-001 OFFICE 07/EXT/26	YES
07-OF-001 OFFICE 07/EXT/27	YES
07-OF-001 OFFICE 07/EXT/28	YES
07-OF-001 OFFICE 07/EXT/29	YES
07-OF-001 OFFICE 07/INT/01	YES
07-OF-001 OFFICE 07/INT/02	YES
07-OF-001 OFFICE 07/INT/03	YES
07-OF-001 OFFICE 07/INT/04	YES
07-OF-001 OFFICE 07/INT/05	YES
07-OF-001 OFFICE 07/INT/06	YES
07-OF-001 OFFICE 07/INT/07	YES
07-OF-001 OFFICE 07/INT/08	YES
07-OF-001 OFFICE 07/INT/09	YES
07-OF-001 OFFICE 07/INT/10	YES
07-OF-001 OFFICE 07/INT/11	YES
07-OF-001 OFFICE 07/INT/12	YES
07-OF-001 OFFICE 07/INT/13	YES
07-OF-001 OFFICE 07/INT/14	YES
07-OF-001 OFFICE 07/INT/15	YES
07-OF-001 OFFICE 07/INT/16	YES
07-OF-001 OFFICE 07/INT/17	YES
07-OF-001 OFFICE 07/INT/18	YES
08-AC-008 DISABLED WC	NO
08-CR-001 CORE LOBBY	NO
08-CR-001 WCs	NO
08-OF-001 OFFICE 08/EXT/01	YES
08-OF-001 OFFICE 08/EXT/02	YES
08-OF-001 OFFICE 08/EXT/03	YES
08-OF-001 OFFICE 08/EXT/04	YES
08-OF-001 OFFICE 08/EXT/05	YES

Shell and core configuration

Zone	Excluded from calculation?
08-OF-001 OFFICE 08/EXT/06	YES
08-OF-001 OFFICE 08/EXT/07	YES
08-OF-001 OFFICE 08/EXT/08	YES
08-OF-001 OFFICE 08/EXT/09	YES
08-OF-001 OFFICE 08/EXT/10	YES
08-OF-001 OFFICE 08/EXT/11	YES
08-OF-001 OFFICE 08/EXT/12	YES
08-OF-001 OFFICE 08/EXT/13	YES
08-OF-001 OFFICE 08/EXT/14	YES
08-OF-001 OFFICE 08/EXT/15	YES
08-OF-001 OFFICE 08/EXT/16	YES
08-OF-001 OFFICE 08/EXT/17	YES
08-OF-001 OFFICE 08/EXT/18	YES
08-OF-001 OFFICE 08/EXT/19	YES
08-OF-001 OFFICE 08/EXT/20	YES
08-OF-001 OFFICE 08/EXT/21	YES
08-OF-001 OFFICE 08/EXT/22	YES
08-OF-001 OFFICE 08/EXT/23	YES
08-OF-001 OFFICE 08/EXT/24	YES
08-OF-001 OFFICE 08/EXT/25	YES
08-OF-001 OFFICE 08/EXT/26	YES
08-OF-001 OFFICE 08/EXT/27	YES
08-OF-001 OFFICE 08/EXT/28	YES
08-OF-001 OFFICE 08/EXT/29	YES
08-OF-001 OFFICE 08/INT/01	YES
08-OF-001 OFFICE 08/INT/02	YES
08-OF-001 OFFICE 08/INT/03	YES
08-OF-001 OFFICE 08/INT/04	YES
08-OF-001 OFFICE 08/INT/05	YES
08-OF-001 OFFICE 08/INT/06	YES
08-OF-001 OFFICE 08/INT/07	YES
08-OF-001 OFFICE 08/INT/08	YES
08-OF-001 OFFICE 08/INT/09	YES
08-OF-001 OFFICE 08/INT/10	YES
08-OF-001 OFFICE 08/INT/11	YES
08-OF-001 OFFICE 08/INT/12	YES
08-OF-001 OFFICE 08/INT/13	YES
08-OF-001 OFFICE 08/INT/14	YES
08-OF-001 OFFICE 08/INT/15	YES
08-OF-001 OFFICE 08/INT/16	YES
08-OF-001 OFFICE 08/INT/17	YES
08-OF-001 OFFICE 08/INT/18	YES
08-PR-001 COMMS ROOM	NO
09-AM-008 DISABLED	NO
09-BH-001 CLEANERS STORE	NO
09-CR-001 CORE LOBBY	NO
09-CR-002 WCs	NO

Shell and core configuration

Zone	Excluded from calculation?
09-OF-001 EAST ZONE EXT/01	YES
09-OF-001 EAST ZONE EXT/02	YES
09-OF-001 EAST ZONE EXT/03	YES
09-OF-001 EAST ZONE INT	YES
09-OF-001 NORTH ZONE EXT/01	YES
09-OF-001 NORTH ZONE EXT/02	YES
09-OF-001 NORTH ZONE EXT/03	YES
09-OF-001 NORTH ZONE EXT/04	YES
09-OF-001 NORTH ZONE EXT/05	YES
09-OF-001 NORTH ZONE INT	YES
09-OF-001 OFFICE ENTRANCE	YES
09-OF-001 OFFICE ENTRANCE	YES
09-OF-001 OFFICE ENTRANCE	YES
09-OF-001 WEST ZONE EXT/01	NO
09-OF-001 WEST ZONE EXT/02	NO
09-OF-001 WEST ZONE EXT/03	NO
09-OF-001 WEST ZONE INT	NO
10-AM-001 WCs	NO
10-AM-008 DISABLED WC	NO
10-BH-001 CLEANERS STORE	NO
10-CR-001 CORE LOBBY	NO
10-OF-001 OFFICE 10/EXT/01	YES
10-OF-001 OFFICE 10/EXT/02	YES
10-OF-001 OFFICE 10/EXT/03	YES
10-OF-001 OFFICE 10/EXT/04	YES
10-OF-001 OFFICE 10/EXT/05	YES
10-OF-001 OFFICE 10/EXT/06	YES
10-OF-001 OFFICE 10/EXT/07	YES
10-OF-001 OFFICE 10/EXT/08	YES
10-OF-001 OFFICE 10/EXT/09	YES
10-OF-001 OFFICE 10/EXT/10	YES
10-OF-001 OFFICE 10/EXT/11	YES
10-OF-001 OFFICE 10/EXT/12	YES
10-OF-001 OFFICE 10/EXT/13	YES
10-OF-001 OFFICE 10/EXT/14	YES
10-OF-001 OFFICE 10/EXT/15	YES
10-OF-001 OFFICE 10/EXT/16	YES
10-OF-001 OFFICE 10/EXT/17	YES
10-OF-001 OFFICE 10/EXT/18	YES
10-OF-001 OFFICE 10/EXT/19	YES
10-OF-001 OFFICE 10/EXT/20	YES
10-OF-001 OFFICE 10/EXT/21	YES
10-OF-001 OFFICE 10/EXT/22	YES
10-OF-001 OFFICE 10/EXT/23	YES
10-OF-001 OFFICE 10/EXT/24	YES
10-OF-001 OFFICE 10/EXT/25	YES
10-OF-001 OFFICE 10/EXT/26	YES

Shell and core configuration

Zone	Excluded from calculation?
10-OF-001 OFFICE 10/INT/01	YES
10-OF-001 OFFICE 10/INT/02	YES
10-OF-001 OFFICE 10/INT/03	YES
10-OF-001 OFFICE 10/INT/04	YES
10-OF-001 OFFICE 10/INT/05	YES
10-OF-001 OFFICE 10/INT/06	YES
10-OF-001 OFFICE 10/INT/07	YES
10-OF-001 OFFICE 10/INT/08	YES
10-OF-001 OFFICE 10/INT/09	YES
10-OF-001 OFFICE 10/INT/10	YES
10-OF-001 OFFICE 10/INT/11	YES
10-OF-001 OFFICE 10/INT/12	YES
10-OF-001 OFFICE 10/INT/13	YES
10-OF-001 OFFICE 10/INT/14	YES
11 BMU HOUSING	NO
11-CR-001 LIFT LOBBY	NO
11-PR-001 INTERNAL PLANT ROOM	NO

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
LG-AM-001 CYCLE STORE		182	-	-	332
LG-AM-002 DRYING ROOM		162	-	-	37
LG-AM-005 UNISEX LOCKERS / SHOWER		-	162	-	17
LG-AM-006 UNISEX SHOWER		-	145	-	31
LG-AM-007 UNISEX ACC AC & SHOWER		-	145	-	42
LG-AM-008 SHOWERS & WC CIRCULATION		-	179	-	583
LG-AM-009 SHOWERS & WC CIRCULATION		-	179	-	574
LG-BH-001 CIRCULATION		-	182	-	14
LG-BH-002 TOWEL STORE		182	-	-	25
LG-BH-003 BIN STORE		182	-	-	238
LG-BH-005 CLEANERS CLOSET/STORE		182	-	-	20
LG-BH-006 CCTV/STORE		182	-	-	109
LG-BH-007 CLEANERS STORE		162	-	-	6
LG-CR-??? CIRCULATION		-	162	-	8
LG-CR-001 CIRCULATION		-	162	-	18
LG-CR-002 CIRCULATION		-	161	-	81
LG-CR-004 CIRCULATION		-	162	-	31
LG-CR-004 LOBBY		-	182	-	12
LG-CR-005 CIRCUALTION		-	162	-	105
LG-CR-006 CIRCULATION		-	161	-	19
LG-CR-007 CIRCULATION		-	162	-	24
LG-CR-008 LOBBY		-	162	-	6
LG-PR-004 CPV PLANT		182	-	-	100
LG-PR-005 COMMS		182	-	-	62

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
LG-PR-006 Heat Pump Room		182	-	-	89
LG-PR-007 SPRINKLER TANK COLD WATER TANK		182	-	-	669
LG-ST-001 STAIR 1		-	148	-	149
LG-ST-003 STAIR 3		-	153	-	77
GF-AM-006 DISABLED WC		-	145	-	27
GF-AM-007 ACC. WC		-	145	-	21
GF-BH-001 BOH CIRCULATION		-	153	-	110
GF-BH-002 GOODS LIFT LOBBY		-	153	-	26
GF-BH-003 LOBBY		-	153	-	14
GF-BH-004 STAFF/BUILDING MANAGEMENT		182	-	-	130
GF-BH-005 CLEANERS STORE		142	-	-	13
GF-CR-001 CORE LOBBY		-	161	-	1145
GF-CR-002 WCs		-	145	-	98
GF-CR-003 LOBBY		-	153	-	26
GF-CR-030 POST STORE		153	-	-	7
GF-OF-001 OFFICE 00/EXT/01		155	-	-	147
GF-OF-001 OFFICE 00/EXT/02		155	-	-	208
GF-OF-001 OFFICE 00/EXT/03		155	-	-	171
GF-OF-001 OFFICE 00/EXT/04		155	-	-	116
GF-OF-001 OFFICE 00/EXT/05		155	-	-	177
GF-OF-001 OFFICE 00/INT/01		155	-	-	314
GF-OF-001 OFFICE 00/INT/02		155	-	-	352
GF-OF-001 OFFICE 00/INT/03		155	-	-	250
GF-RE-001 ENTRANCE/RECEPTION		-	153	15	3078
GF-ST-002 STAIR 2		-	148	-	145
GF-ST-004 STAIR 6		-	153	-	135
01-AM-002 WCs		-	142	-	262
01-AM-008 DISABLED WC		-	145	-	23
01-BH-001 CLEANERS STORE		142	-	-	13
01-CR-001 CORE LOBBY		-	161	-	117
01-OF-001 OFFICE 01/EXT/01		155	-	-	133
01-OF-001 OFFICE 01/EXT/02		155	-	-	167
01-OF-001 OFFICE 01/EXT/03		155	-	-	132
01-OF-001 OFFICE 01/EXT/04		155	-	-	132
01-OF-001 OFFICE 01/EXT/05		155	-	-	131
01-OF-001 OFFICE 01/EXT/06		155	-	-	130
01-OF-001 OFFICE 01/EXT/07		155	-	-	124
01-OF-001 OFFICE 01/EXT/08		155	-	-	135
01-OF-001 OFFICE 01/EXT/09		155	-	-	139
01-OF-001 OFFICE 01/EXT/10		155	-	-	122
01-OF-001 OFFICE 01/EXT/11		155	-	-	120
01-OF-001 OFFICE 01/EXT/12		155	-	-	119
01-OF-001 OFFICE 01/EXT/13		155	-	-	117

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
01-OF-001 OFFICE 01/EXT/14		155	-	-	115
01-OF-001 OFFICE 01/EXT/15		155	-	-	89
01-OF-001 OFFICE 01/EXT/16		155	-	-	97
01-OF-001 OFFICE 01/EXT/17		155	-	-	94
01-OF-001 OFFICE 01/EXT/18		155	-	-	126
01-OF-001 OFFICE 01/EXT/19		155	-	-	126
01-OF-001 OFFICE 01/EXT/20		155	-	-	126
01-OF-001 OFFICE 01/EXT/21		155	-	-	126
01-OF-001 OFFICE 01/EXT/22		155	-	-	126
01-OF-001 OFFICE 01/EXT/23		155	-	-	145
01-OF-001 OFFICE 01/EXT/24		155	-	-	93
01-OF-001 OFFICE 01/EXT/25		155	-	-	121
01-OF-001 OFFICE 01/EXT/26		155	-	-	123
01-OF-001 OFFICE 01/EXT/27		155	-	-	125
01-OF-001 OFFICE 01/EXT/28		155	-	-	127
01-OF-001 OFFICE 01/INT/01		155	-	-	251
01-OF-001 OFFICE 01/INT/02		155	-	-	306
01-OF-001 OFFICE 01/INT/03		155	-	-	255
01-OF-001 OFFICE 01/INT/04		155	-	-	247
01-OF-001 OFFICE 01/INT/05		155	-	-	327
01-OF-001 OFFICE 01/INT/06		155	-	-	342
01-OF-001 OFFICE 01/INT/07		155	-	-	270
01-OF-001 OFFICE 01/INT/08		155	-	-	257
01-OF-001 OFFICE 01/INT/09		155	-	-	206
01-OF-001 OFFICE 01/INT/10		155	-	-	292
01-OF-001 OFFICE 01/INT/11		155	-	-	243
01-OF-001 OFFICE 01/INT/12		155	-	-	298
01-OF-001 OFFICE 01/INT/13		155	-	-	243
01-OF-001 OFFICE 01/INT/14		155	-	-	220
01-OF-001 OFFICE 01/INT/15		155	-	-	242
01-OF-001 OFFICE 01/INT/16		155	-	-	236
01-OF-001 OFFICE 01/INT/17		155	-	-	252
02-AM-002 WCs		-	142	-	262
02-AM-008 DISBALED WC		-	145	-	23
02-CR-001 CORE LOBBY		-	161	-	117
02-OF-001 OFFICE 02/EXT/01		155	-	-	133
02-OF-001 OFFICE 02/EXT/02		155	-	-	167
02-OF-001 OFFICE 02/EXT/03		155	-	-	132
02-OF-001 OFFICE 02/EXT/04		155	-	-	132
02-OF-001 OFFICE 02/EXT/05		155	-	-	131
02-OF-001 OFFICE 02/EXT/06		155	-	-	130
02-OF-001 OFFICE 02/EXT/07		155	-	-	124
02-OF-001 OFFICE 02/EXT/08		155	-	-	135

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
02-OF-001 OFFICE 02/EXT/09		155	-	-	139
02-OF-001 OFFICE 02/EXT/10		155	-	-	122
02-OF-001 OFFICE 02/EXT/11		155	-	-	120
02-OF-001 OFFICE 02/EXT/12		155	-	-	119
02-OF-001 OFFICE 02/EXT/13		155	-	-	117
02-OF-001 OFFICE 02/EXT/14		155	-	-	115
02-OF-001 OFFICE 02/EXT/15		155	-	-	89
02-OF-001 OFFICE 02/EXT/16		155	-	-	97
02-OF-001 OFFICE 02/EXT/17		155	-	-	94
02-OF-001 OFFICE 02/EXT/18		155	-	-	126
02-OF-001 OFFICE 02/EXT/19		155	-	-	126
02-OF-001 OFFICE 02/EXT/20		155	-	-	126
02-OF-001 OFFICE 02/EXT/21		155	-	-	126
02-OF-001 OFFICE 02/EXT/22		155	-	-	126
02-OF-001 OFFICE 02/EXT/23		155	-	-	145
02-OF-001 OFFICE 02/EXT/24		155	-	-	93
02-OF-001 OFFICE 02/EXT/25		155	-	-	121
02-OF-001 OFFICE 02/EXT/26		155	-	-	123
02-OF-001 OFFICE 02/EXT/27		155	-	-	125
02-OF-001 OFFICE 02/EXT/28		155	-	-	127
02-OF-001 OFFICE 02/INT/01		155	-	-	252
02-OF-001 OFFICE 02/INT/02		155	-	-	306
02-OF-001 OFFICE 02/INT/03		155	-	-	255
02-OF-001 OFFICE 02/INT/04		155	-	-	247
02-OF-001 OFFICE 02/INT/05		155	-	-	327
02-OF-001 OFFICE 02/INT/06		155	-	-	342
02-OF-001 OFFICE 02/INT/07		155	-	-	270
02-OF-001 OFFICE 02/INT/08		155	-	-	257
02-OF-001 OFFICE 02/INT/09		155	-	-	206
02-OF-001 OFFICE 02/INT/10		155	-	-	292
02-OF-001 OFFICE 02/INT/11		155	-	-	243
02-OF-001 OFFICE 02/INT/12		155	-	-	298
02-OF-001 OFFICE 02/INT/13		155	-	-	243
02-OF-001 OFFICE 02/INT/14		155	-	-	220
02-OF-001 OFFICE 02/INT/15		155	-	-	242
02-OF-001 OFFICE 02/INT/16		155	-	-	236
02-OF-001 OFFICE 02/INT/17		155	-	-	252
02-PR-001 COMMS ROOM		142	-	-	13
03-AM-001 WCs		-	142	-	262
03-AM-008 DISABLED WC		-	145	-	23
03-BH-001 CLEANERS STORE		142	-	-	13
03-CR-001 CORE LOBBY		-	161	-	117
03-OF-001 OFFICE 03/EXT/01		155	-	-	133

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
03-OF-001 OFFICE 03/EXT/02		155	-	-	167
03-OF-001 OFFICE 03/EXT/03		155	-	-	132
03-OF-001 OFFICE 03/EXT/04		155	-	-	132
03-OF-001 OFFICE 03/EXT/05		155	-	-	131
03-OF-001 OFFICE 03/EXT/06		155	-	-	130
03-OF-001 OFFICE 03/EXT/07		155	-	-	124
03-OF-001 OFFICE 03/EXT/08		155	-	-	135
03-OF-001 OFFICE 03/EXT/09		155	-	-	139
03-OF-001 OFFICE 03/EXT/10		155	-	-	122
03-OF-001 OFFICE 03/EXT/11		155	-	-	120
03-OF-001 OFFICE 03/EXT/12		155	-	-	119
03-OF-001 OFFICE 03/EXT/13		155	-	-	117
03-OF-001 OFFICE 03/EXT/14		155	-	-	115
03-OF-001 OFFICE 03/EXT/15		155	-	-	89
03-OF-001 OFFICE 03/EXT/16		155	-	-	97
03-OF-001 OFFICE 03/EXT/17		155	-	-	94
03-OF-001 OFFICE 03/EXT/18		155	-	-	126
03-OF-001 OFFICE 03/EXT/19		155	-	-	126
03-OF-001 OFFICE 03/EXT/20		155	-	-	126
03-OF-001 OFFICE 03/EXT/21		155	-	-	126
03-OF-001 OFFICE 03/EXT/22		155	-	-	126
03-OF-001 OFFICE 03/EXT/23		155	-	-	145
03-OF-001 OFFICE 03/EXT/24		155	-	-	93
03-OF-001 OFFICE 03/EXT/25		155	-	-	121
03-OF-001 OFFICE 03/EXT/26		155	-	-	123
03-OF-001 OFFICE 03/EXT/27		155	-	-	125
03-OF-001 OFFICE 03/EXT/28		155	-	-	127
03-OF-001 OFFICE 03/INT/01		155	-	-	251
03-OF-001 OFFICE 03/INT/02		155	-	-	306
03-OF-001 OFFICE 03/INT/03		155	-	-	255
03-OF-001 OFFICE 03/INT/04		155	-	-	247
03-OF-001 OFFICE 03/INT/05		155	-	-	327
03-OF-001 OFFICE 03/INT/06		155	-	-	342
03-OF-001 OFFICE 03/INT/07		155	-	-	270
03-OF-001 OFFICE 03/INT/08		155	-	-	257
03-OF-001 OFFICE 03/INT/09		155	-	-	206
03-OF-001 OFFICE 03/INT/10		155	-	-	292
03-OF-001 OFFICE 03/INT/11		155	-	-	243
03-OF-001 OFFICE 03/INT/12		155	-	-	298
03-OF-001 OFFICE 03/INT/13		155	-	-	243
03-OF-001 OFFICE 03/INT/14		155	-	-	220
03-OF-001 OFFICE 03/INT/15		155	-	-	242
03-OF-001 OFFICE 03/INT/16		155	-	-	236

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
03-OF-001 OFFICE 03/INT/17		155	-	-	252
04-AM-008 DISABLED WC		-	145	-	23
04-BH-001 CLEANERS STORE		142	-	-	13
04-CR-001 CORE LOBBY		-	161	-	117
04-CR-002 WCs		-	142	-	262
04-OF-001 OFFICE 04/EXT/01		155	-	-	133
04-OF-001 OFFICE 04/EXT/02		155	-	-	167
04-OF-001 OFFICE 04/EXT/03		155	-	-	132
04-OF-001 OFFICE 04/EXT/04		155	-	-	132
04-OF-001 OFFICE 04/EXT/05		155	-	-	131
04-OF-001 OFFICE 04/EXT/06		155	-	-	130
04-OF-001 OFFICE 04/EXT/07		155	-	-	124
04-OF-001 OFFICE 04/EXT/08		155	-	-	135
04-OF-001 OFFICE 04/EXT/09		155	-	-	139
04-OF-001 OFFICE 04/EXT/10		155	-	-	122
04-OF-001 OFFICE 04/EXT/11		155	-	-	120
04-OF-001 OFFICE 04/EXT/12		155	-	-	119
04-OF-001 OFFICE 04/EXT/13		155	-	-	117
04-OF-001 OFFICE 04/EXT/14		155	-	-	115
04-OF-001 OFFICE 04/EXT/15		155	-	-	89
04-OF-001 OFFICE 04/EXT/16		155	-	-	97
04-OF-001 OFFICE 04/EXT/17		155	-	-	94
04-OF-001 OFFICE 04/EXT/18		155	-	-	126
04-OF-001 OFFICE 04/EXT/19		155	-	-	126
04-OF-001 OFFICE 04/EXT/20		155	-	-	126
04-OF-001 OFFICE 04/EXT/21		155	-	-	126
04-OF-001 OFFICE 04/EXT/22		155	-	-	126
04-OF-001 OFFICE 04/EXT/23		155	-	-	145
04-OF-001 OFFICE 04/EXT/24		155	-	-	93
04-OF-001 OFFICE 04/EXT/25		155	-	-	121
04-OF-001 OFFICE 04/EXT/26		155	-	-	123
04-OF-001 OFFICE 04/EXT/27		155	-	-	125
04-OF-001 OFFICE 04/EXT/28		155	-	-	127
04-OF-001 OFFICE 04/INT/01		155	-	-	252
04-OF-001 OFFICE 04/INT/02		155	-	-	306
04-OF-001 OFFICE 04/INT/03		155	-	-	255
04-OF-001 OFFICE 04/INT/04		155	-	-	247
04-OF-001 OFFICE 04/INT/05		155	-	-	327
04-OF-001 OFFICE 04/INT/06		155	-	-	342
04-OF-001 OFFICE 04/INT/07		155	-	-	270
04-OF-001 OFFICE 04/INT/08		155	-	-	257
04-OF-001 OFFICE 04/INT/09		155	-	-	206
04-OF-001 OFFICE 04/INT/10		155	-	-	292

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
04-OF-001 OFFICE 04/INT/11		155	-	-	243
04-OF-001 OFFICE 04/INT/12		155	-	-	298
04-OF-001 OFFICE 04/INT/13		155	-	-	243
04-OF-001 OFFICE 04/INT/14		155	-	-	220
04-OF-001 OFFICE 04/INT/15		155	-	-	242
04-OF-001 OFFICE 04/INT/16		155	-	-	236
04-OF-001 OFFICE 04/INT/17		155	-	-	252
05-AM-008 DISABLED WC		-	145	-	23
05-CR-001 CORE LOBBY		-	161	-	117
05-CR-002 WCs		-	142	-	262
05-OF-001 OFFICE 05/EXT/01		155	-	-	133
05-OF-001 OFFICE 05/EXT/02		155	-	-	167
05-OF-001 OFFICE 05/EXT/03		155	-	-	132
05-OF-001 OFFICE 05/EXT/04		155	-	-	132
05-OF-001 OFFICE 05/EXT/05		155	-	-	131
05-OF-001 OFFICE 05/EXT/06		155	-	-	130
05-OF-001 OFFICE 05/EXT/07		155	-	-	124
05-OF-001 OFFICE 05/EXT/08		155	-	-	135
05-OF-001 OFFICE 05/EXT/09		155	-	-	139
05-OF-001 OFFICE 05/EXT/10		155	-	-	122
05-OF-001 OFFICE 05/EXT/11		155	-	-	120
05-OF-001 OFFICE 05/EXT/12		155	-	-	119
05-OF-001 OFFICE 05/EXT/13		155	-	-	117
05-OF-001 OFFICE 05/EXT/14		155	-	-	115
05-OF-001 OFFICE 05/EXT/15		155	-	-	89
05-OF-001 OFFICE 05/EXT/16		155	-	-	97
05-OF-001 OFFICE 05/EXT/17		155	-	-	94
05-OF-001 OFFICE 05/EXT/18		155	-	-	126
05-OF-001 OFFICE 05/EXT/19		155	-	-	126
05-OF-001 OFFICE 05/EXT/20		155	-	-	126
05-OF-001 OFFICE 05/EXT/21		155	-	-	126
05-OF-001 OFFICE 05/EXT/22		155	-	-	126
05-OF-001 OFFICE 05/EXT/23		155	-	-	145
05-OF-001 OFFICE 05/EXT/24		155	-	-	93
05-OF-001 OFFICE 05/EXT/25		155	-	-	121
05-OF-001 OFFICE 05/EXT/26		155	-	-	123
05-OF-001 OFFICE 05/EXT/27		155	-	-	125
05-OF-001 OFFICE 05/EXT/28		155	-	-	127
05-OF-001 OFFICE 05/INT/01		155	-	-	251
05-OF-001 OFFICE 05/INT/02		155	-	-	306
05-OF-001 OFFICE 05/INT/03		155	-	-	255
05-OF-001 OFFICE 05/INT/04		155	-	-	247
05-OF-001 OFFICE 05/INT/05		155	-	-	327

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
05-OF-001 OFFICE 05/INT/06		155	-	-	342
05-OF-001 OFFICE 05/INT/07		155	-	-	270
05-OF-001 OFFICE 05/INT/08		155	-	-	257
05-OF-001 OFFICE 05/INT/09		155	-	-	206
05-OF-001 OFFICE 05/INT/10		155	-	-	292
05-OF-001 OFFICE 05/INT/11		155	-	-	243
05-OF-001 OFFICE 05/INT/12		155	-	-	298
05-OF-001 OFFICE 05/INT/13		155	-	-	243
05-OF-001 OFFICE 05/INT/14		155	-	-	220
05-OF-001 OFFICE 05/INT/15		155	-	-	242
05-OF-001 OFFICE 05/INT/16		155	-	-	236
05-OF-001 OFFICE 05/INT/17		155	-	-	252
05-PR-001 COMMS ROOM		142	-	-	13
06-AM-008 DISABLED WC		-	145	-	23
06-BH-001 CLEANERS STORE		142	-	-	13
06-CR-002 WCs		-	142	-	262
06-OF-001 OFFICE 06/EXT/01		155	-	-	133
06-OF-001 OFFICE 06/EXT/02		155	-	-	167
06-OF-001 OFFICE 06/EXT/03		155	-	-	132
06-OF-001 OFFICE 06/EXT/04		155	-	-	132
06-OF-001 OFFICE 06/EXT/05		155	-	-	131
06-OF-001 OFFICE 06/EXT/06		155	-	-	130
06-OF-001 OFFICE 06/EXT/07		155	-	-	124
06-OF-001 OFFICE 06/EXT/08		155	-	-	135
06-OF-001 OFFICE 06/EXT/09		155	-	-	139
06-OF-001 OFFICE 06/EXT/10		155	-	-	122
06-OF-001 OFFICE 06/EXT/11		155	-	-	120
06-OF-001 OFFICE 06/EXT/12		155	-	-	119
06-OF-001 OFFICE 06/EXT/13		155	-	-	117
06-OF-001 OFFICE 06/EXT/14		155	-	-	115
06-OF-001 OFFICE 06/EXT/15		155	-	-	89
06-OF-001 OFFICE 06/EXT/16		155	-	-	97
06-OF-001 OFFICE 06/EXT/17		155	-	-	94
06-OF-001 OFFICE 06/EXT/18		155	-	-	126
06-OF-001 OFFICE 06/EXT/19		155	-	-	126
06-OF-001 OFFICE 06/EXT/20		155	-	-	126
06-OF-001 OFFICE 06/EXT/21		155	-	-	126
06-OF-001 OFFICE 06/EXT/22		155	-	-	126
06-OF-001 OFFICE 06/EXT/23		155	-	-	145
06-OF-001 OFFICE 06/EXT/24		155	-	-	93
06-OF-001 OFFICE 06/EXT/25		155	-	-	121
06-OF-001 OFFICE 06/EXT/26		155	-	-	123
06-OF-001 OFFICE 06/EXT/27		155	-	-	125

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
06-OF-001 OFFICE 06/EXT/28		155	-	-	127
06-OF-001 OFFICE 06/INT/01		155	-	-	252
06-OF-001 OFFICE 06/INT/02		155	-	-	306
06-OF-001 OFFICE 06/INT/03		155	-	-	255
06-OF-001 OFFICE 06/INT/04		155	-	-	247
06-OF-001 OFFICE 06/INT/05		155	-	-	327
06-OF-001 OFFICE 06/INT/06		155	-	-	342
06-OF-001 OFFICE 06/INT/07		155	-	-	270
06-OF-001 OFFICE 06/INT/08		155	-	-	257
06-OF-001 OFFICE 06/INT/09		155	-	-	206
06-OF-001 OFFICE 06/INT/10		155	-	-	292
06-OF-001 OFFICE 06/INT/11		155	-	-	243
06-OF-001 OFFICE 06/INT/12		155	-	-	298
06-OF-001 OFFICE 06/INT/13		155	-	-	243
06-OF-001 OFFICE 06/INT/14		155	-	-	220
06-OF-001 OFFICE 06/INT/15		155	-	-	242
06-OF-001 OFFICE 06/INT/16		155	-	-	236
06-OF-001 OFFICE 06/INT/17		155	-	-	252
06-ST-1110 CORE LOBBY		-	161	-	117
07-AM-001 WCs		-	142	-	262
07-AM-008 DISABLED WC		-	145	-	23
07-BH-001 CLEANERS STORE		142	-	-	13
07-CR-001 CORE LOBBY		-	161	-	117
07-OF-001 OFFICE 07/EXT/01		155	-	-	123
07-OF-001 OFFICE 07/EXT/02		155	-	-	125
07-OF-001 OFFICE 07/EXT/03		155	-	-	100
07-OF-001 OFFICE 07/EXT/04		155	-	-	132
07-OF-001 OFFICE 07/EXT/05		155	-	-	132
07-OF-001 OFFICE 07/EXT/06		155	-	-	131
07-OF-001 OFFICE 07/EXT/07		155	-	-	130
07-OF-001 OFFICE 07/EXT/08		155	-	-	130
07-OF-001 OFFICE 07/EXT/09		155	-	-	93
07-OF-001 OFFICE 07/EXT/10		155	-	-	133
07-OF-001 OFFICE 07/EXT/11		155	-	-	139
07-OF-001 OFFICE 07/EXT/12		155	-	-	139
07-OF-001 OFFICE 07/EXT/13		155	-	-	139
07-OF-001 OFFICE 07/EXT/14		155	-	-	139
07-OF-001 OFFICE 07/EXT/15		155	-	-	139
07-OF-001 OFFICE 07/EXT/16		155	-	-	100
07-OF-001 OFFICE 07/EXT/17		155	-	-	125
07-OF-001 OFFICE 07/EXT/18		155	-	-	126
07-OF-001 OFFICE 07/EXT/19		155	-	-	126
07-OF-001 OFFICE 07/EXT/20		155	-	-	126

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
07-OF-001 OFFICE 07/EXT/21		155	-	-	126
07-OF-001 OFFICE 07/EXT/22		155	-	-	126
07-OF-001 OFFICE 07/EXT/23		155	-	-	108
07-OF-001 OFFICE 07/EXT/24		155	-	-	90
07-OF-001 OFFICE 07/EXT/25		155	-	-	119
07-OF-001 OFFICE 07/EXT/26		155	-	-	120
07-OF-001 OFFICE 07/EXT/27		155	-	-	121
07-OF-001 OFFICE 07/EXT/28		155	-	-	122
07-OF-001 OFFICE 07/EXT/29		155	-	-	123
07-OF-001 OFFICE 07/INT/01		155	-	-	244
07-OF-001 OFFICE 07/INT/02		155	-	-	197
07-OF-001 OFFICE 07/INT/03		155	-	-	216
07-OF-001 OFFICE 07/INT/04		155	-	-	235
07-OF-001 OFFICE 07/INT/05		155	-	-	254
07-OF-001 OFFICE 07/INT/06		155	-	-	278
07-OF-001 OFFICE 07/INT/07		155	-	-	252
07-OF-001 OFFICE 07/INT/08		155	-	-	253
07-OF-001 OFFICE 07/INT/09		155	-	-	258
07-OF-001 OFFICE 07/INT/10		155	-	-	296
07-OF-001 OFFICE 07/INT/11		155	-	-	201
07-OF-001 OFFICE 07/INT/12		155	-	-	243
07-OF-001 OFFICE 07/INT/13		155	-	-	298
07-OF-001 OFFICE 07/INT/14		155	-	-	303
07-OF-001 OFFICE 07/INT/15		155	-	-	162
07-OF-001 OFFICE 07/INT/16		155	-	-	189
07-OF-001 OFFICE 07/INT/17		155	-	-	234
07-OF-001 OFFICE 07/INT/18		155	-	-	258
08-AC-008 DISABLED WC		-	145	-	23
08-CR-001 CORE LOBBY		-	161	-	117
08-CR-001 WCs		-	142	-	262
08-OF-001 OFFICE 08/EXT/01		155	-	-	123
08-OF-001 OFFICE 08/EXT/02		155	-	-	125
08-OF-001 OFFICE 08/EXT/03		155	-	-	100
08-OF-001 OFFICE 08/EXT/04		155	-	-	132
08-OF-001 OFFICE 08/EXT/05		155	-	-	132
08-OF-001 OFFICE 08/EXT/06		155	-	-	131
08-OF-001 OFFICE 08/EXT/07		155	-	-	130
08-OF-001 OFFICE 08/EXT/08		155	-	-	130
08-OF-001 OFFICE 08/EXT/09		155	-	-	93
08-OF-001 OFFICE 08/EXT/10		155	-	-	133
08-OF-001 OFFICE 08/EXT/11		155	-	-	139
08-OF-001 OFFICE 08/EXT/12		155	-	-	139
08-OF-001 OFFICE 08/EXT/13		155	-	-	139

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
08-OF-001 OFFICE 08/EXT/14		155	-	-	139
08-OF-001 OFFICE 08/EXT/15		155	-	-	139
08-OF-001 OFFICE 08/EXT/16		155	-	-	100
08-OF-001 OFFICE 08/EXT/17		155	-	-	125
08-OF-001 OFFICE 08/EXT/18		155	-	-	126
08-OF-001 OFFICE 08/EXT/19		155	-	-	126
08-OF-001 OFFICE 08/EXT/20		155	-	-	126
08-OF-001 OFFICE 08/EXT/21		155	-	-	126
08-OF-001 OFFICE 08/EXT/22		155	-	-	126
08-OF-001 OFFICE 08/EXT/23		155	-	-	108
08-OF-001 OFFICE 08/EXT/24		155	-	-	90
08-OF-001 OFFICE 08/EXT/25		155	-	-	119
08-OF-001 OFFICE 08/EXT/26		155	-	-	120
08-OF-001 OFFICE 08/EXT/27		155	-	-	121
08-OF-001 OFFICE 08/EXT/28		155	-	-	122
08-OF-001 OFFICE 08/EXT/29		155	-	-	123
08-OF-001 OFFICE 08/INT/01		155	-	-	244
08-OF-001 OFFICE 08/INT/02		155	-	-	197
08-OF-001 OFFICE 08/INT/03		155	-	-	216
08-OF-001 OFFICE 08/INT/04		155	-	-	235
08-OF-001 OFFICE 08/INT/05		155	-	-	254
08-OF-001 OFFICE 08/INT/06		155	-	-	278
08-OF-001 OFFICE 08/INT/07		155	-	-	252
08-OF-001 OFFICE 08/INT/08		155	-	-	253
08-OF-001 OFFICE 08/INT/09		155	-	-	258
08-OF-001 OFFICE 08/INT/10		155	-	-	296
08-OF-001 OFFICE 08/INT/11		155	-	-	201
08-OF-001 OFFICE 08/INT/12		155	-	-	243
08-OF-001 OFFICE 08/INT/13		155	-	-	298
08-OF-001 OFFICE 08/INT/14		155	-	-	303
08-OF-001 OFFICE 08/INT/15		155	-	-	162
08-OF-001 OFFICE 08/INT/16		155	-	-	189
08-OF-001 OFFICE 08/INT/17		155	-	-	234
08-OF-001 OFFICE 08/INT/18		155	-	-	258
08-PR-001 COMMS ROOM		142	-	-	13
09-AM-008 DISABLED		-	145	-	23
09-BH-001 CLEANERS STORE		142	-	-	13
09-CR-001 CORE LOBBY		-	161	-	117
09-CR-002 WCs		-	142	-	262
09-OF-001 EAST ZONE EXT/01		155	-	-	594
09-OF-001 EAST ZONE EXT/02		155	-	-	162
09-OF-001 EAST ZONE EXT/03		155	-	-	397
09-OF-001 EAST ZONE INT		155	-	-	1039

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
09-OF-001 NORTH ZONE EXT/01		155	-	-	340
09-OF-001 NORTH ZONE EXT/02		155	-	-	168
09-OF-001 NORTH ZONE EXT/03		155	-	-	763
09-OF-001 NORTH ZONE EXT/04		155	-	-	164
09-OF-001 NORTH ZONE EXT/05		155	-	-	539
09-OF-001 NORTH ZONE INT		155	-	-	1465
09-OF-001 OFFICE ENTRANCE		155	-	-	27
09-OF-001 OFFICE ENTRANCE		155	-	-	20
09-OF-001 OFFICE ENTRANCE		155	-	-	15
09-OF-001 WEST ZONE EXT/01		155	-	-	482
09-OF-001 WEST ZONE EXT/02		155	-	-	162
09-OF-001 WEST ZONE EXT/03		155	-	-	565
09-OF-001 WEST ZONE INT		155	-	-	1051
10-AM-001 WCs		-	142	-	262
10-AM-008 DISABLED WC		-	145	-	23
10-BH-001 CLEANERS STORE		142	-	-	13
10-CR-001 CORE LOBBY		-	161	-	117
10-OF-001 OFFICE 10/EXT/01		155	-	-	123
10-OF-001 OFFICE 10/EXT/02		155	-	-	125
10-OF-001 OFFICE 10/EXT/03		155	-	-	100
10-OF-001 OFFICE 10/EXT/04		155	-	-	132
10-OF-001 OFFICE 10/EXT/05		155	-	-	132
10-OF-001 OFFICE 10/EXT/06		155	-	-	131
10-OF-001 OFFICE 10/EXT/07		155	-	-	130
10-OF-001 OFFICE 10/EXT/08		155	-	-	119
10-OF-001 OFFICE 10/EXT/09		155	-	-	208
10-OF-001 OFFICE 10/EXT/10		155	-	-	344
10-OF-001 OFFICE 10/EXT/11		155	-	-	144
10-OF-001 OFFICE 10/EXT/12		155	-	-	139
10-OF-001 OFFICE 10/EXT/13		155	-	-	171
10-OF-001 OFFICE 10/EXT/14		155	-	-	125
10-OF-001 OFFICE 10/EXT/15		155	-	-	126
10-OF-001 OFFICE 10/EXT/16		155	-	-	126
10-OF-001 OFFICE 10/EXT/17		155	-	-	126
10-OF-001 OFFICE 10/EXT/18		155	-	-	126
10-OF-001 OFFICE 10/EXT/19		155	-	-	126
10-OF-001 OFFICE 10/EXT/20		155	-	-	108
10-OF-001 OFFICE 10/EXT/21		155	-	-	90
10-OF-001 OFFICE 10/EXT/22		155	-	-	119
10-OF-001 OFFICE 10/EXT/23		155	-	-	120
10-OF-001 OFFICE 10/EXT/24		155	-	-	121
10-OF-001 OFFICE 10/EXT/25		155	-	-	122
10-OF-001 OFFICE 10/EXT/26		155	-	-	123

General lighting and display lighting		Luminous efficacy [lm/W]			General lighting [W]
Zone name		Luminaire	Lamp	Display lamp	
	Standard value	60	60	22	
10-OF-001 OFFICE 10/INT/01		155	-	-	244
10-OF-001 OFFICE 10/INT/02		155	-	-	197
10-OF-001 OFFICE 10/INT/03		155	-	-	216
10-OF-001 OFFICE 10/INT/04		155	-	-	235
10-OF-001 OFFICE 10/INT/05		155	-	-	254
10-OF-001 OFFICE 10/INT/06		155	-	-	302
10-OF-001 OFFICE 10/INT/07		155	-	-	286
10-OF-001 OFFICE 10/INT/08		155	-	-	297
10-OF-001 OFFICE 10/INT/09		155	-	-	298
10-OF-001 OFFICE 10/INT/10		155	-	-	303
10-OF-001 OFFICE 10/INT/11		155	-	-	162
10-OF-001 OFFICE 10/INT/12		155	-	-	189
10-OF-001 OFFICE 10/INT/13		155	-	-	234
10-OF-001 OFFICE 10/INT/14		155	-	-	258
11 BMU HOUSING		182	-	-	56
11-CR-001 LIFT LOBBY		-	182	-	183
11-PR-001 INTERNAL PLANT ROOM		182	-	-	242

Criterion 3: The spaces in the building should have appropriate passive control measures to limit solar gains

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
GF-BH-004 STAFF/BUILDING MANAGEMENT	N/A	N/A
GF-OF-001 OFFICE 00/EXT/01	NO (-53.8%)	YES
GF-OF-001 OFFICE 00/EXT/02	NO (-59.3%)	YES
GF-OF-001 OFFICE 00/EXT/03	NO (-57.4%)	YES
GF-OF-001 OFFICE 00/EXT/04	NO (-61.2%)	YES
GF-OF-001 OFFICE 00/EXT/05	NO (-53%)	YES
GF-OF-001 OFFICE 00/INT/01	NO (-79.5%)	NO
GF-OF-001 OFFICE 00/INT/02	NO (-84.1%)	NO
GF-OF-001 OFFICE 00/INT/03	NO (-84.1%)	NO
GF-RE-001 ENTRANCE/RECEPTION	NO (-38.2%)	YES
01-OF-001 OFFICE 01/EXT/01	NO (-54.5%)	YES
01-OF-001 OFFICE 01/EXT/02	NO (-40.1%)	YES
01-OF-001 OFFICE 01/EXT/03	NO (-42.1%)	YES
01-OF-001 OFFICE 01/EXT/04	NO (-41.6%)	YES
01-OF-001 OFFICE 01/EXT/05	NO (-39.3%)	YES
01-OF-001 OFFICE 01/EXT/06	NO (-39.6%)	YES
01-OF-001 OFFICE 01/EXT/07	NO (-41.7%)	YES
01-OF-001 OFFICE 01/EXT/08	NO (-38.4%)	YES
01-OF-001 OFFICE 01/EXT/09	NO (-48.1%)	YES
01-OF-001 OFFICE 01/EXT/10	NO (-39.4%)	YES
01-OF-001 OFFICE 01/EXT/11	NO (-39.4%)	YES
01-OF-001 OFFICE 01/EXT/12	NO (-38.4%)	YES
01-OF-001 OFFICE 01/EXT/13	NO (-36.5%)	YES

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
01-OF-001 OFFICE 01/EXT/14	NO (-31%)	YES
01-OF-001 OFFICE 01/EXT/15	NO (-22.7%)	YES
01-OF-001 OFFICE 01/EXT/16	NO (-39%)	YES
01-OF-001 OFFICE 01/EXT/17	NO (-33.4%)	YES
01-OF-001 OFFICE 01/EXT/18	NO (-38.8%)	YES
01-OF-001 OFFICE 01/EXT/19	NO (-42.5%)	YES
01-OF-001 OFFICE 01/EXT/20	NO (-45.3%)	YES
01-OF-001 OFFICE 01/EXT/21	NO (-48.1%)	YES
01-OF-001 OFFICE 01/EXT/22	NO (-46.2%)	YES
01-OF-001 OFFICE 01/EXT/23	NO (-53%)	YES
01-OF-001 OFFICE 01/EXT/24	NO (-48.2%)	YES
01-OF-001 OFFICE 01/EXT/25	NO (-54.2%)	YES
01-OF-001 OFFICE 01/EXT/26	NO (-54.9%)	YES
01-OF-001 OFFICE 01/EXT/27	NO (-54.2%)	YES
01-OF-001 OFFICE 01/EXT/28	NO (-51%)	YES
01-OF-001 OFFICE 01/INT/01	NO (-78.1%)	NO
01-OF-001 OFFICE 01/INT/02	NO (-81%)	NO
01-OF-001 OFFICE 01/INT/03	NO (-82.1%)	NO
01-OF-001 OFFICE 01/INT/04	NO (-82.8%)	NO
01-OF-001 OFFICE 01/INT/05	NO (-83.8%)	NO
01-OF-001 OFFICE 01/INT/06	NO (-78%)	NO
01-OF-001 OFFICE 01/INT/07	NO (-82.5%)	NO
01-OF-001 OFFICE 01/INT/08	NO (-81%)	NO
01-OF-001 OFFICE 01/INT/09	NO (-70.2%)	NO
01-OF-001 OFFICE 01/INT/10	NO (-79.1%)	NO
01-OF-001 OFFICE 01/INT/11	NO (-79.2%)	NO
01-OF-001 OFFICE 01/INT/12	NO (-81.8%)	NO
01-OF-001 OFFICE 01/INT/13	NO (-80.8%)	NO
01-OF-001 OFFICE 01/INT/14	NO (-76.2%)	NO
01-OF-001 OFFICE 01/INT/15	NO (-82.6%)	NO
01-OF-001 OFFICE 01/INT/16	NO (-84.3%)	NO
01-OF-001 OFFICE 01/INT/17	NO (-83.6%)	NO
02-OF-001 OFFICE 02/EXT/01	NO (-59.3%)	YES
02-OF-001 OFFICE 02/EXT/02	NO (-45.8%)	YES
02-OF-001 OFFICE 02/EXT/03	NO (-46.3%)	YES
02-OF-001 OFFICE 02/EXT/04	NO (-46.8%)	YES
02-OF-001 OFFICE 02/EXT/05	NO (-46.4%)	YES
02-OF-001 OFFICE 02/EXT/06	NO (-46.1%)	YES
02-OF-001 OFFICE 02/EXT/07	NO (-48.3%)	YES
02-OF-001 OFFICE 02/EXT/08	NO (-47.1%)	YES
02-OF-001 OFFICE 02/EXT/09	NO (-54.6%)	YES
02-OF-001 OFFICE 02/EXT/10	NO (-49.6%)	YES
02-OF-001 OFFICE 02/EXT/11	NO (-49.2%)	YES
02-OF-001 OFFICE 02/EXT/12	NO (-48.2%)	YES
02-OF-001 OFFICE 02/EXT/13	NO (-46.6%)	YES
02-OF-001 OFFICE 02/EXT/14	NO (-42.3%)	YES
02-OF-001 OFFICE 02/EXT/15	NO (-34.5%)	YES
02-OF-001 OFFICE 02/EXT/16	NO (-47.2%)	YES
02-OF-001 OFFICE 02/EXT/17	NO (-41.6%)	YES

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
02-OF-001 OFFICE 02/EXT/18	NO (-46.8%)	YES
02-OF-001 OFFICE 02/EXT/19	NO (-48.6%)	YES
02-OF-001 OFFICE 02/EXT/20	NO (-50.1%)	YES
02-OF-001 OFFICE 02/EXT/21	NO (-50.8%)	YES
02-OF-001 OFFICE 02/EXT/22	NO (-48%)	YES
02-OF-001 OFFICE 02/EXT/23	NO (-56.3%)	YES
02-OF-001 OFFICE 02/EXT/24	NO (-53.9%)	YES
02-OF-001 OFFICE 02/EXT/25	NO (-60%)	YES
02-OF-001 OFFICE 02/EXT/26	NO (-61.1%)	YES
02-OF-001 OFFICE 02/EXT/27	NO (-61.1%)	YES
02-OF-001 OFFICE 02/EXT/28	NO (-58.1%)	YES
02-OF-001 OFFICE 02/INT/01	NO (-81.5%)	NO
02-OF-001 OFFICE 02/INT/02	NO (-84%)	NO
02-OF-001 OFFICE 02/INT/03	NO (-85.3%)	NO
02-OF-001 OFFICE 02/INT/04	NO (-86%)	NO
02-OF-001 OFFICE 02/INT/05	NO (-86%)	NO
02-OF-001 OFFICE 02/INT/06	NO (-81.6%)	NO
02-OF-001 OFFICE 02/INT/07	NO (-85.8%)	NO
02-OF-001 OFFICE 02/INT/08	NO (-84.5%)	NO
02-OF-001 OFFICE 02/INT/09	NO (-75.8%)	NO
02-OF-001 OFFICE 02/INT/10	NO (-82.3%)	NO
02-OF-001 OFFICE 02/INT/11	NO (-82.1%)	NO
02-OF-001 OFFICE 02/INT/12	NO (-83.2%)	NO
02-OF-001 OFFICE 02/INT/13	NO (-81.7%)	NO
02-OF-001 OFFICE 02/INT/14	NO (-77.7%)	NO
02-OF-001 OFFICE 02/INT/15	NO (-84%)	NO
02-OF-001 OFFICE 02/INT/16	NO (-86.1%)	NO
02-OF-001 OFFICE 02/INT/17	NO (-85.9%)	NO
03-OF-001 OFFICE 03/EXT/01	NO (-49%)	YES
03-OF-001 OFFICE 03/EXT/02	NO (-33.3%)	YES
03-OF-001 OFFICE 03/EXT/03	NO (-32.4%)	YES
03-OF-001 OFFICE 03/EXT/04	NO (-33%)	YES
03-OF-001 OFFICE 03/EXT/05	NO (-34.3%)	YES
03-OF-001 OFFICE 03/EXT/06	NO (-34%)	YES
03-OF-001 OFFICE 03/EXT/07	NO (-38.7%)	YES
03-OF-001 OFFICE 03/EXT/08	NO (-34.2%)	YES
03-OF-001 OFFICE 03/EXT/09	NO (-43%)	YES
03-OF-001 OFFICE 03/EXT/10	NO (-34.9%)	YES
03-OF-001 OFFICE 03/EXT/11	NO (-36.1%)	YES
03-OF-001 OFFICE 03/EXT/12	NO (-36.2%)	YES
03-OF-001 OFFICE 03/EXT/13	NO (-35.2%)	YES
03-OF-001 OFFICE 03/EXT/14	NO (-28.5%)	YES
03-OF-001 OFFICE 03/EXT/15	NO (-20.1%)	YES
03-OF-001 OFFICE 03/EXT/16	NO (-36.2%)	YES
03-OF-001 OFFICE 03/EXT/17	NO (-29.1%)	YES
03-OF-001 OFFICE 03/EXT/18	NO (-34.5%)	YES
03-OF-001 OFFICE 03/EXT/19	NO (-35.7%)	YES
03-OF-001 OFFICE 03/EXT/20	NO (-35.9%)	YES
03-OF-001 OFFICE 03/EXT/21	NO (-35%)	YES

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
03-OF-001 OFFICE 03/EXT/22	NO (-31.5%)	YES
03-OF-001 OFFICE 03/EXT/23	NO (-43.5%)	YES
03-OF-001 OFFICE 03/EXT/24	NO (-41.1%)	YES
03-OF-001 OFFICE 03/EXT/25	NO (-49.6%)	YES
03-OF-001 OFFICE 03/EXT/26	NO (-51.9%)	YES
03-OF-001 OFFICE 03/EXT/27	NO (-51.9%)	YES
03-OF-001 OFFICE 03/EXT/28	NO (-47.9%)	YES
03-OF-001 OFFICE 03/INT/01	NO (-75.9%)	NO
03-OF-001 OFFICE 03/INT/02	NO (-78.8%)	NO
03-OF-001 OFFICE 03/INT/03	NO (-80.6%)	NO
03-OF-001 OFFICE 03/INT/04	NO (-81.6%)	NO
03-OF-001 OFFICE 03/INT/05	NO (-82.4%)	NO
03-OF-001 OFFICE 03/INT/06	NO (-75.8%)	NO
03-OF-001 OFFICE 03/INT/07	NO (-81.7%)	NO
03-OF-001 OFFICE 03/INT/08	NO (-80.1%)	NO
03-OF-001 OFFICE 03/INT/09	NO (-68.7%)	NO
03-OF-001 OFFICE 03/INT/10	NO (-77.4%)	NO
03-OF-001 OFFICE 03/INT/11	NO (-76.3%)	NO
03-OF-001 OFFICE 03/INT/12	NO (-76.8%)	NO
03-OF-001 OFFICE 03/INT/13	NO (-74.6%)	NO
03-OF-001 OFFICE 03/INT/14	NO (-70%)	NO
03-OF-001 OFFICE 03/INT/15	NO (-78.7%)	NO
03-OF-001 OFFICE 03/INT/16	NO (-82.5%)	NO
03-OF-001 OFFICE 03/INT/17	NO (-82.2%)	NO
04-OF-001 OFFICE 04/EXT/01	NO (-55.2%)	YES
04-OF-001 OFFICE 04/EXT/02	NO (-42.3%)	YES
04-OF-001 OFFICE 04/EXT/03	NO (-42.1%)	YES
04-OF-001 OFFICE 04/EXT/04	NO (-42.8%)	YES
04-OF-001 OFFICE 04/EXT/05	NO (-43.8%)	YES
04-OF-001 OFFICE 04/EXT/06	NO (-43.1%)	YES
04-OF-001 OFFICE 04/EXT/07	NO (-47%)	YES
04-OF-001 OFFICE 04/EXT/08	NO (-43.8%)	YES
04-OF-001 OFFICE 04/EXT/09	NO (-51.1%)	YES
04-OF-001 OFFICE 04/EXT/10	NO (-45.6%)	YES
04-OF-001 OFFICE 04/EXT/11	NO (-46.1%)	YES
04-OF-001 OFFICE 04/EXT/12	NO (-46.5%)	YES
04-OF-001 OFFICE 04/EXT/13	NO (-44.8%)	YES
04-OF-001 OFFICE 04/EXT/14	NO (-40.5%)	YES
04-OF-001 OFFICE 04/EXT/15	NO (-33.1%)	YES
04-OF-001 OFFICE 04/EXT/16	NO (-46.4%)	YES
04-OF-001 OFFICE 04/EXT/17	NO (-39.9%)	YES
04-OF-001 OFFICE 04/EXT/18	NO (-45%)	YES
04-OF-001 OFFICE 04/EXT/19	NO (-45.7%)	YES
04-OF-001 OFFICE 04/EXT/20	NO (-46.1%)	YES
04-OF-001 OFFICE 04/EXT/21	NO (-45.2%)	YES
04-OF-001 OFFICE 04/EXT/22	NO (-42.3%)	YES
04-OF-001 OFFICE 04/EXT/23	NO (-52%)	YES
04-OF-001 OFFICE 04/EXT/24	NO (-50.7%)	YES
04-OF-001 OFFICE 04/EXT/25	NO (-57.4%)	YES

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
04-OF-001 OFFICE 04/EXT/26	NO (-58.9%)	YES
04-OF-001 OFFICE 04/EXT/27	NO (-58.4%)	YES
04-OF-001 OFFICE 04/EXT/28	NO (-55.6%)	YES
04-OF-001 OFFICE 04/INT/01	NO (-79.9%)	NO
04-OF-001 OFFICE 04/INT/02	NO (-82.2%)	NO
04-OF-001 OFFICE 04/INT/03	NO (-84.3%)	NO
04-OF-001 OFFICE 04/INT/04	NO (-85.1%)	NO
04-OF-001 OFFICE 04/INT/05	NO (-85.7%)	NO
04-OF-001 OFFICE 04/INT/06	NO (-80.8%)	NO
04-OF-001 OFFICE 04/INT/07	NO (-85.3%)	NO
04-OF-001 OFFICE 04/INT/08	NO (-84.1%)	NO
04-OF-001 OFFICE 04/INT/09	NO (-75.2%)	NO
04-OF-001 OFFICE 04/INT/10	NO (-81.6%)	NO
04-OF-001 OFFICE 04/INT/11	NO (-80.9%)	NO
04-OF-001 OFFICE 04/INT/12	NO (-81.2%)	NO
04-OF-001 OFFICE 04/INT/13	NO (-79.5%)	NO
04-OF-001 OFFICE 04/INT/14	NO (-75.2%)	NO
04-OF-001 OFFICE 04/INT/15	NO (-82.4%)	NO
04-OF-001 OFFICE 04/INT/16	NO (-85.2%)	NO
04-OF-001 OFFICE 04/INT/17	NO (-84.9%)	NO
05-OF-001 OFFICE 05/EXT/01	NO (-45%)	YES
05-OF-001 OFFICE 05/EXT/02	NO (-28.2%)	YES
05-OF-001 OFFICE 05/EXT/03	NO (-28.5%)	YES
05-OF-001 OFFICE 05/EXT/04	NO (-29.9%)	YES
05-OF-001 OFFICE 05/EXT/05	NO (-31%)	YES
05-OF-001 OFFICE 05/EXT/06	NO (-30.2%)	YES
05-OF-001 OFFICE 05/EXT/07	NO (-35.4%)	YES
05-OF-001 OFFICE 05/EXT/08	NO (-29.9%)	YES
05-OF-001 OFFICE 05/EXT/09	NO (-38.3%)	YES
05-OF-001 OFFICE 05/EXT/10	NO (-32.1%)	YES
05-OF-001 OFFICE 05/EXT/11	NO (-32.3%)	YES
05-OF-001 OFFICE 05/EXT/12	NO (-33.4%)	YES
05-OF-001 OFFICE 05/EXT/13	NO (-31.8%)	YES
05-OF-001 OFFICE 05/EXT/14	NO (-28.4%)	YES
05-OF-001 OFFICE 05/EXT/15	NO (-21.4%)	YES
05-OF-001 OFFICE 05/EXT/16	NO (-38.3%)	YES
05-OF-001 OFFICE 05/EXT/17	NO (-29.2%)	YES
05-OF-001 OFFICE 05/EXT/18	NO (-34.3%)	YES
05-OF-001 OFFICE 05/EXT/19	NO (-35.4%)	YES
05-OF-001 OFFICE 05/EXT/20	NO (-35.5%)	YES
05-OF-001 OFFICE 05/EXT/21	NO (-34.5%)	YES
05-OF-001 OFFICE 05/EXT/22	NO (-30.5%)	YES
05-OF-001 OFFICE 05/EXT/23	NO (-41.5%)	YES
05-OF-001 OFFICE 05/EXT/24	NO (-38.4%)	YES
05-OF-001 OFFICE 05/EXT/25	NO (-46.6%)	YES
05-OF-001 OFFICE 05/EXT/26	NO (-48.5%)	YES
05-OF-001 OFFICE 05/EXT/27	NO (-48.7%)	YES
05-OF-001 OFFICE 05/EXT/28	NO (-45.2%)	YES
05-OF-001 OFFICE 05/INT/01	NO (-73.3%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
05-OF-001 OFFICE 05/INT/02	NO (-76.8%)	NO
05-OF-001 OFFICE 05/INT/03	NO (-79.3%)	NO
05-OF-001 OFFICE 05/INT/04	NO (-80.3%)	NO
05-OF-001 OFFICE 05/INT/05	NO (-81.3%)	NO
05-OF-001 OFFICE 05/INT/06	NO (-74.2%)	NO
05-OF-001 OFFICE 05/INT/07	NO (-80.9%)	NO
05-OF-001 OFFICE 05/INT/08	NO (-79.5%)	NO
05-OF-001 OFFICE 05/INT/09	NO (-68.8%)	NO
05-OF-001 OFFICE 05/INT/10	NO (-77.3%)	NO
05-OF-001 OFFICE 05/INT/11	NO (-76.2%)	NO
05-OF-001 OFFICE 05/INT/12	NO (-76.7%)	NO
05-OF-001 OFFICE 05/INT/13	NO (-74.3%)	NO
05-OF-001 OFFICE 05/INT/14	NO (-68.8%)	NO
05-OF-001 OFFICE 05/INT/15	NO (-77.5%)	NO
05-OF-001 OFFICE 05/INT/16	NO (-81.3%)	NO
05-OF-001 OFFICE 05/INT/17	NO (-81%)	NO
06-OF-001 OFFICE 06/EXT/01	NO (-59.5%)	YES
06-OF-001 OFFICE 06/EXT/02	NO (-37.8%)	YES
06-OF-001 OFFICE 06/EXT/03	NO (-39%)	YES
06-OF-001 OFFICE 06/EXT/04	NO (-39.1%)	YES
06-OF-001 OFFICE 06/EXT/05	NO (-39.9%)	YES
06-OF-001 OFFICE 06/EXT/06	NO (-40.5%)	YES
06-OF-001 OFFICE 06/EXT/07	NO (-43.9%)	YES
06-OF-001 OFFICE 06/EXT/08	NO (-38.7%)	YES
06-OF-001 OFFICE 06/EXT/09	NO (-47%)	YES
06-OF-001 OFFICE 06/EXT/10	NO (-41.9%)	YES
06-OF-001 OFFICE 06/EXT/11	NO (-42.5%)	YES
06-OF-001 OFFICE 06/EXT/12	NO (-49.7%)	YES
06-OF-001 OFFICE 06/EXT/13	NO (-58.8%)	YES
06-OF-001 OFFICE 06/EXT/14	NO (-65%)	YES
06-OF-001 OFFICE 06/EXT/15	NO (-64.5%)	YES
06-OF-001 OFFICE 06/EXT/16	NO (-62%)	YES
06-OF-001 OFFICE 06/EXT/17	NO (-43.4%)	YES
06-OF-001 OFFICE 06/EXT/18	NO (-45.7%)	YES
06-OF-001 OFFICE 06/EXT/19	NO (-46.1%)	YES
06-OF-001 OFFICE 06/EXT/20	NO (-46%)	YES
06-OF-001 OFFICE 06/EXT/21	NO (-45.3%)	YES
06-OF-001 OFFICE 06/EXT/22	NO (-41.5%)	YES
06-OF-001 OFFICE 06/EXT/23	NO (-50.9%)	YES
06-OF-001 OFFICE 06/EXT/24	NO (-48.5%)	YES
06-OF-001 OFFICE 06/EXT/25	NO (-55.5%)	YES
06-OF-001 OFFICE 06/EXT/26	NO (-57.7%)	YES
06-OF-001 OFFICE 06/EXT/27	NO (-61.9%)	YES
06-OF-001 OFFICE 06/EXT/28	NO (-63.6%)	YES
06-OF-001 OFFICE 06/INT/01	NO (-79.4%)	NO
06-OF-001 OFFICE 06/INT/02	NO (-81.2%)	NO
06-OF-001 OFFICE 06/INT/03	NO (-83.1%)	NO
06-OF-001 OFFICE 06/INT/04	NO (-83.9%)	NO
06-OF-001 OFFICE 06/INT/05	NO (-84.6%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
06-OF-001 OFFICE 06/INT/06	NO (-79.1%)	NO
06-OF-001 OFFICE 06/INT/07	NO (-85.9%)	NO
06-OF-001 OFFICE 06/INT/08	NO (-86.6%)	NO
06-OF-001 OFFICE 06/INT/09	NO (-80.6%)	NO
06-OF-001 OFFICE 06/INT/10	NO (-83.4%)	NO
06-OF-001 OFFICE 06/INT/11	NO (-81.5%)	NO
06-OF-001 OFFICE 06/INT/12	NO (-81.5%)	NO
06-OF-001 OFFICE 06/INT/13	NO (-79.3%)	NO
06-OF-001 OFFICE 06/INT/14	NO (-74.6%)	NO
06-OF-001 OFFICE 06/INT/15	NO (-81.8%)	NO
06-OF-001 OFFICE 06/INT/16	NO (-84.9%)	NO
06-OF-001 OFFICE 06/INT/17	NO (-85.2%)	NO
07-OF-001 OFFICE 07/EXT/01	NO (-39.3%)	YES
07-OF-001 OFFICE 07/EXT/02	NO (-19.5%)	YES
07-OF-001 OFFICE 07/EXT/03	NO (-19.9%)	YES
07-OF-001 OFFICE 07/EXT/04	NO (-24.6%)	YES
07-OF-001 OFFICE 07/EXT/05	NO (-25.9%)	YES
07-OF-001 OFFICE 07/EXT/06	NO (-26.4%)	YES
07-OF-001 OFFICE 07/EXT/07	NO (-27.8%)	YES
07-OF-001 OFFICE 07/EXT/08	NO (-28.3%)	YES
07-OF-001 OFFICE 07/EXT/09	NO (-26.4%)	YES
07-OF-001 OFFICE 07/EXT/10	NO (-37.1%)	YES
07-OF-001 OFFICE 07/EXT/11	NO (-29.2%)	YES
07-OF-001 OFFICE 07/EXT/12	NO (-31.8%)	YES
07-OF-001 OFFICE 07/EXT/13	NO (-31.9%)	YES
07-OF-001 OFFICE 07/EXT/14	NO (-29%)	YES
07-OF-001 OFFICE 07/EXT/15	NO (-23.1%)	YES
07-OF-001 OFFICE 07/EXT/16	NO (-15.2%)	YES
07-OF-001 OFFICE 07/EXT/17	NO (-33.8%)	YES
07-OF-001 OFFICE 07/EXT/18	NO (-30.4%)	YES
07-OF-001 OFFICE 07/EXT/19	NO (-34.6%)	YES
07-OF-001 OFFICE 07/EXT/20	NO (-35.9%)	YES
07-OF-001 OFFICE 07/EXT/21	NO (-36.1%)	YES
07-OF-001 OFFICE 07/EXT/22	NO (-35.2%)	YES
07-OF-001 OFFICE 07/EXT/23	NO (-26.5%)	YES
07-OF-001 OFFICE 07/EXT/24	NO (-44.7%)	YES
07-OF-001 OFFICE 07/EXT/25	NO (-41.8%)	YES
07-OF-001 OFFICE 07/EXT/26	NO (-48.2%)	YES
07-OF-001 OFFICE 07/EXT/27	NO (-49.8%)	YES
07-OF-001 OFFICE 07/EXT/28	NO (-48.7%)	YES
07-OF-001 OFFICE 07/EXT/29	NO (-42.4%)	YES
07-OF-001 OFFICE 07/INT/01	NO (-68.6%)	NO
07-OF-001 OFFICE 07/INT/02	NO (-74%)	NO
07-OF-001 OFFICE 07/INT/03	NO (-76%)	NO
07-OF-001 OFFICE 07/INT/04	NO (-77.7%)	NO
07-OF-001 OFFICE 07/INT/05	NO (-78%)	NO
07-OF-001 OFFICE 07/INT/06	NO (-72.9%)	NO
07-OF-001 OFFICE 07/INT/07	NO (-83.8%)	NO
07-OF-001 OFFICE 07/INT/08	NO (-87.2%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
07-OF-001 OFFICE 07/INT/09	NO (-85.8%)	NO
07-OF-001 OFFICE 07/INT/10	NO (-72.9%)	NO
07-OF-001 OFFICE 07/INT/11	NO (-79.6%)	NO
07-OF-001 OFFICE 07/INT/12	NO (-82.5%)	NO
07-OF-001 OFFICE 07/INT/13	NO (-82.9%)	NO
07-OF-001 OFFICE 07/INT/14	NO (-75.3%)	NO
07-OF-001 OFFICE 07/INT/15	NO (-70.4%)	NO
07-OF-001 OFFICE 07/INT/16	NO (-76.4%)	NO
07-OF-001 OFFICE 07/INT/17	NO (-80.6%)	NO
07-OF-001 OFFICE 07/INT/18	NO (-79.9%)	NO
08-OF-001 OFFICE 08/EXT/01	NO (-48.3%)	YES
08-OF-001 OFFICE 08/EXT/02	NO (-31%)	YES
08-OF-001 OFFICE 08/EXT/03	NO (-31.5%)	YES
08-OF-001 OFFICE 08/EXT/04	NO (-35%)	YES
08-OF-001 OFFICE 08/EXT/05	NO (-37.4%)	YES
08-OF-001 OFFICE 08/EXT/06	NO (-37.7%)	YES
08-OF-001 OFFICE 08/EXT/07	NO (-37.6%)	YES
08-OF-001 OFFICE 08/EXT/08	NO (-38.3%)	YES
08-OF-001 OFFICE 08/EXT/09	NO (-37.7%)	YES
08-OF-001 OFFICE 08/EXT/10	NO (-47.4%)	YES
08-OF-001 OFFICE 08/EXT/11	NO (-41.1%)	YES
08-OF-001 OFFICE 08/EXT/12	NO (-43.2%)	YES
08-OF-001 OFFICE 08/EXT/13	NO (-45%)	YES
08-OF-001 OFFICE 08/EXT/14	NO (-40.8%)	YES
08-OF-001 OFFICE 08/EXT/15	NO (-35.9%)	YES
08-OF-001 OFFICE 08/EXT/16	NO (-28.8%)	YES
08-OF-001 OFFICE 08/EXT/17	NO (-44.3%)	YES
08-OF-001 OFFICE 08/EXT/18	NO (-41.5%)	YES
08-OF-001 OFFICE 08/EXT/19	NO (-44.8%)	YES
08-OF-001 OFFICE 08/EXT/20	NO (-45.8%)	YES
08-OF-001 OFFICE 08/EXT/21	NO (-45.8%)	YES
08-OF-001 OFFICE 08/EXT/22	NO (-45.8%)	YES
08-OF-001 OFFICE 08/EXT/23	NO (-38.7%)	YES
08-OF-001 OFFICE 08/EXT/24	NO (-53.9%)	YES
08-OF-001 OFFICE 08/EXT/25	NO (-51.7%)	YES
08-OF-001 OFFICE 08/EXT/26	NO (-56.8%)	YES
08-OF-001 OFFICE 08/EXT/27	NO (-57.9%)	YES
08-OF-001 OFFICE 08/EXT/28	NO (-56.7%)	YES
08-OF-001 OFFICE 08/EXT/29	NO (-51.8%)	YES
08-OF-001 OFFICE 08/INT/01	NO (-74.8%)	NO
08-OF-001 OFFICE 08/INT/02	NO (-79.2%)	NO
08-OF-001 OFFICE 08/INT/03	NO (-80.5%)	NO
08-OF-001 OFFICE 08/INT/04	NO (-81.9%)	NO
08-OF-001 OFFICE 08/INT/05	NO (-82.3%)	NO
08-OF-001 OFFICE 08/INT/06	NO (-78.4%)	NO
08-OF-001 OFFICE 08/INT/07	NO (-85.3%)	NO
08-OF-001 OFFICE 08/INT/08	NO (-86.2%)	NO
08-OF-001 OFFICE 08/INT/09	NO (-84.7%)	NO
08-OF-001 OFFICE 08/INT/10	NO (-77.3%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
08-OF-001 OFFICE 08/INT/11	NO (-80.5%)	NO
08-OF-001 OFFICE 08/INT/12	NO (-80.7%)	NO
08-OF-001 OFFICE 08/INT/13	NO (-81.2%)	NO
08-OF-001 OFFICE 08/INT/14	NO (-79.7%)	NO
08-OF-001 OFFICE 08/INT/15	NO (-76%)	NO
08-OF-001 OFFICE 08/INT/16	NO (-80.8%)	NO
08-OF-001 OFFICE 08/INT/17	NO (-84%)	NO
08-OF-001 OFFICE 08/INT/18	NO (-83.4%)	NO
09-OF-001 EAST ZONE EXT/01	NO (-22.3%)	YES
09-OF-001 EAST ZONE EXT/02	NO (-33.2%)	YES
09-OF-001 EAST ZONE EXT/03	NO (-24.9%)	YES
09-OF-001 EAST ZONE INT	NO (-79.3%)	NO
09-OF-001 NORTH ZONE EXT/01	NO (-22.6%)	YES
09-OF-001 NORTH ZONE EXT/02	NO (-40.9%)	YES
09-OF-001 NORTH ZONE EXT/03	NO (-41.8%)	YES
09-OF-001 NORTH ZONE EXT/04	NO (-33.4%)	YES
09-OF-001 NORTH ZONE EXT/05	NO (-11.7%)	YES
09-OF-001 NORTH ZONE INT	NO (-75.3%)	NO
09-OF-001 OFFICE ENTRANCE	N/A	N/A
09-OF-001 OFFICE ENTRANCE	NO (-100%)	NO
09-OF-001 OFFICE ENTRANCE	N/A	N/A
09-OF-001 WEST ZONE EXT/01	NO (-17%)	YES
09-OF-001 WEST ZONE EXT/02	NO (-29.7%)	YES
09-OF-001 WEST ZONE EXT/03	NO (-26%)	YES
09-OF-001 WEST ZONE INT	NO (-75.8%)	NO
10-OF-001 OFFICE 10/EXT/01	NO (-48%)	YES
10-OF-001 OFFICE 10/EXT/02	NO (-29.9%)	YES
10-OF-001 OFFICE 10/EXT/03	NO (-29.2%)	YES
10-OF-001 OFFICE 10/EXT/04	NO (-34%)	YES
10-OF-001 OFFICE 10/EXT/05	NO (-35.1%)	YES
10-OF-001 OFFICE 10/EXT/06	NO (-35.5%)	YES
10-OF-001 OFFICE 10/EXT/07	NO (-29.6%)	YES
10-OF-001 OFFICE 10/EXT/08	NO (-43.6%)	YES
10-OF-001 OFFICE 10/EXT/09	NO (-26.6%)	YES
10-OF-001 OFFICE 10/EXT/10	NO (-22.2%)	YES
10-OF-001 OFFICE 10/EXT/11	NO (-51.4%)	YES
10-OF-001 OFFICE 10/EXT/12	NO (-34%)	YES
10-OF-001 OFFICE 10/EXT/13	NO (-30.1%)	YES
10-OF-001 OFFICE 10/EXT/14	NO (-43.4%)	YES
10-OF-001 OFFICE 10/EXT/15	NO (-40.4%)	YES
10-OF-001 OFFICE 10/EXT/16	NO (-43.6%)	YES
10-OF-001 OFFICE 10/EXT/17	NO (-45.4%)	YES
10-OF-001 OFFICE 10/EXT/18	NO (-45.2%)	YES
10-OF-001 OFFICE 10/EXT/19	NO (-45.9%)	YES
10-OF-001 OFFICE 10/EXT/20	NO (-38.1%)	YES
10-OF-001 OFFICE 10/EXT/21	NO (-53.7%)	YES
10-OF-001 OFFICE 10/EXT/22	NO (-51.3%)	YES
10-OF-001 OFFICE 10/EXT/23	NO (-56.5%)	YES
10-OF-001 OFFICE 10/EXT/24	NO (-57.4%)	YES

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
10-OF-001 OFFICE 10/EXT/25	NO (-56.5%)	YES
10-OF-001 OFFICE 10/EXT/26	NO (-51.5%)	YES
10-OF-001 OFFICE 10/INT/01	NO (-74.2%)	NO
10-OF-001 OFFICE 10/INT/02	NO (-78.3%)	NO
10-OF-001 OFFICE 10/INT/03	NO (-79.2%)	NO
10-OF-001 OFFICE 10/INT/04	NO (-78.1%)	NO
10-OF-001 OFFICE 10/INT/05	NO (-69.6%)	NO
10-OF-001 OFFICE 10/INT/06	NO (-78%)	NO
10-OF-001 OFFICE 10/INT/07	NO (-74.8%)	NO
10-OF-001 OFFICE 10/INT/08	NO (-79.2%)	NO
10-OF-001 OFFICE 10/INT/09	NO (-80.9%)	NO
10-OF-001 OFFICE 10/INT/10	NO (-79.6%)	NO
10-OF-001 OFFICE 10/INT/11	NO (-75.8%)	NO
10-OF-001 OFFICE 10/INT/12	NO (-80.6%)	NO
10-OF-001 OFFICE 10/INT/13	NO (-83.8%)	NO
10-OF-001 OFFICE 10/INT/14	NO (-83.1%)	NO

Criterion 4: The performance of the building, as built, should be consistent with the calculated BER

Separate submission

Criterion 5: The necessary provisions for enabling energy-efficient operation of the building should be in place

Separate submission

EPBD (Recast): Consideration of alternative energy systems

Were alternative energy systems considered and analysed as part of the design process?	YES
Is evidence of such assessment available as a separate submission?	YES
Are any such measures included in the proposed design?	YES

Technical Data Sheet (Actual vs. Notional Building)

Building Global Parameters

	Actual	Notional
Area [m ²]	4131.8	4131.8
External area [m ²]	12623.1	12623.1
Weather	MAN	MAN
Infiltration [m ³ /hm ² @ 50Pa]	3	3
Average conductance [W/K]	7538.11	6942.9
Average U-value [W/m ² K]	0.6	0.55
Alpha value* [%]	10.66	10

* Percentage of the building's average heat transfer coefficient which is due to thermal bridging

Building Use

% Area	Building Type
	A1/A2 Retail/Financial and Professional services
	A3/A4/A5 Restaurants and Cafes/Drinking Est./Takeaways
100	B1 Offices and Workshop businesses
	B2 to B7 General Industrial and Special Industrial Groups
	B8 Storage or Distribution
	C1 Hotels
	C2 Residential Institutions: Hospitals and Care Homes
	C2 Residential Institutions: Residential schools
	C2 Residential Institutions: Universities and colleges
	C2A Secure Residential Institutions
	Residential spaces
	D1 Non-residential Institutions: Community/Day Centre
	D1 Non-residential Institutions: Libraries, Museums, and Galleries
	D1 Non-residential Institutions: Education
	D1 Non-residential Institutions: Primary Health Care Building
	D1 Non-residential Institutions: Crown and County Courts
	D2 General Assembly and Leisure, Night Clubs, and Theatres
	Others: Passenger terminals
	Others: Emergency services
	Others: Miscellaneous 24hr activities
	Others: Car Parks 24 hrs
	Others: Stand alone utility block

Energy Consumption by End Use [kWh/m²]

	Actual	Notional
Heating	1.24	1.05
Cooling	1.97	2.18
Auxiliary	4.61	4.24
Lighting	10.35	14.95
Hot water	11.89	19.53
Equipment*	38.97	38.97
TOTAL **	30.06	41.95

* Energy used by equipment does not count towards the total for consumption or calculating emissions.

** Total is net of any electrical energy displaced by CHP generators, if applicable.

Energy Production by Technology [kWh/m²]

	Actual	Notional
Photovoltaic systems	5.63	0
Wind turbines	0	0
CHP generators	0	0
Solar thermal systems	0	0

Energy & CO₂ Emissions Summary

	Actual	Notional
Heating + cooling demand [MJ/m ²]	32.62	34.86
Primary energy* [kWh/m ²]	89.98	123.42
Total emissions [kg/m ²]	12.3	21

* Primary energy is net of any electrical energy displaced by CHP generators, if applicable.

HVAC Systems Performance										
System Type	Heat dem MJ/m2	Cool dem MJ/m2	Heat con kWh/m2	Cool con kWh/m2	Aux con kWh/m2	Heat SSEFF	Cool SSEER	Heat gen SEFF	Cool gen SEER	
[ST] Fan coil systems, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	3.1	213.4	0.4	16.1	9.3	2.23	3.68	2.41	4.62	
Notional	0	210.9	0	15.5	11.5	2.56	3.79	----	----	
[ST] Fan coil systems, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	0	0	0	0	0	2.16	3.81	2.41	4.62	
Notional	0	0	0	0	0	2.56	3.79	----	----	
[ST] Fan coil systems, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	0	0	0	0	0	2.15	3.83	2.41	4.62	
Notional	0	0	0	0	0	2.56	3.79	----	----	
[ST] Fan coil systems, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	0	0	0	0	0	2.22	3.69	2.41	4.62	
Notional	0	0	0	0	0	2.56	3.79	----	----	
[ST] Fan coil systems, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	0	0	0	0	0	2.19	3.76	2.41	4.62	
Notional	0	0	0	0	0	2.56	3.79	----	----	
[ST] Fan coil systems, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	0	0	0	0	0	2.22	3.69	2.41	4.62	
Notional	0	0	0	0	0	2.56	3.79	----	----	
[ST] Fan coil systems, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	19.4	84.7	2.4	6.5	9.9	2.25	3.65	2.41	4.62	
Notional	11.4	117.4	1.2	8.6	13.6	2.56	3.79	----	----	
[ST] Other local room heater - unfanned, [HS] Direct or storage electric heater, [HFT] Electricity, [CFT] Electricity										
Actual	66.3	0	18.4	0	0	1	0	1	0	
Notional	53.6	0	17.3	0	0	0.86	0	----	----	
[ST] Central heating using air distribution, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	4.5	0	0.4	0	8.8	2.84	0	2.41	0	
Notional	5.4	0	0.6	0	5	2.56	0	----	----	
[ST] Central heating using air distribution, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity										
Actual	4.7	0	0.6	0	3.1	2.33	0	2.41	0	
Notional	0.9	0	0.1	0	6.3	2.56	0	----	----	
[ST] No Heating or Cooling										
Actual	0	0	0	0	0	0	0	0	0	
Notional	0	0	0	0	0	0	0	----	----	

Key to terms

Heat dem [MJ/m2]	= Heating energy demand
Cool dem [MJ/m2]	= Cooling energy demand
Heat con [kWh/m2]	= Heating energy consumption
Cool con [kWh/m2]	= Cooling energy consumption
Aux con [kWh/m2]	= Auxiliary energy consumption
Heat SSEFF	= Heating system seasonal efficiency (for notional building, value depends on activity glazing class)
Cool SSEER	= Cooling system seasonal energy efficiency ratio
Heat gen SSEFF	= Heating generator seasonal efficiency
Cool gen SSEER	= Cooling generator seasonal energy efficiency ratio
ST	= System type
HS	= Heat source
HFT	= Heating fuel type
CFT	= Cooling fuel type

Key Features

The Building Control Body is advised to give particular attention to items whose specifications are better than typically expected.

Building fabric

Element	U _{i-Typ}	U _{i-Min}	Surface where the minimum value occurs*
Wall	0.23	0.19	LG000011:Surf[1]
Floor	0.2	0.19	VD000006:Surf[0]
Roof	0.15	0.17	LG000016:Surf[1]
Windows, roof windows, and rooflights	1.5	0.35	00000027:Surf[0]
Personnel doors	1.5	1.2	0000001D:Surf[1]
Vehicle access & similar large doors	1.5	-	No vehicle access doors in building
High usage entrance doors	1.5	4.9	GF000008:Surf[23]
U _{i-Typ} = Typical individual element U-values [W/(m²K)]			U _{i-Min} = Minimum individual element U-values [W/(m²K)]
* There might be more than one surface where the minimum U-value occurs.			

Air Permeability	Typical value	This building
m³/(h.m²) at 50 Pa	5	2.98