

SBEMIE Data Reflection Report — Actual Building

Date: Sat Aug 07 10:18:03 2021

Project name: Ballyphanne CC

Building type: Non-residential Institutions: Community/Day Centre

Building area [m2]: 1651.79

General	
Building address	Ballpéhane Community Centre Tory Top Park Cork City T12 WC6V
Building area [m2]	1651.79
Weather	DUB
Building rotation [degrees]	0
Special conservation status	-
Project complexity	Level 3

Energy assessor	
Name	Stephen McGovern
Telephone number	0864077816
Address	3 Mc Curtains Villas Cork T12 A6N2
Assessor number	105562
Qualification	-
Accreditation scheme	SEAI
Employer name	The Cork Enrgy Rating Company
Employer address	3 Mc Curtains Villas

Client	
Name	
Telephone number	
Address	

Analysis	
Compliance checked with	None
Asset rating	Republic of Ireland: Building Energy Rating
Stage	Existing Building - Final
Shell & core building	-

Software	
SBEMIE version	v5.5.h.2
Interface to SBEMIE	G-ISBEM
Interface version	v23.0

Envelope/Door constructions				
Name	U-value [W/m2K]	Adjusted U-value	Km [kJ/m2K]	Metal clad
Walls	1.78	NO	129	NO
solid	2.2	NO	180	NO
floors	1.2	NO	36	NO
Intermed	1.4	NO	12	NO
PD	5.7	NO	1.76	NO

Window/Rooflight constructions			
Name	U-value [W/m2K]	Solar transmittance	Light transmittance
12mmdg	2.923	0.76	0.8

Summary of objects		
Object type	Total number	Total related area [m2]
Envelope/Door constructions	5	-
Window/Rooflight constructions	1	-
HW systems	1	-
SE systems	0	0
PV systems	0	0
Wind generators	0	-
CHP generators	0	-
HVAC systems	1	-
Zones	26	1651.81
Envelopes	170	5825.39
Doors	11	19.8
Windows/Rooflights	16	53.2

Project building sevicees	
Electric power factor	<0.9
Submetering and M&T for lighting systems	NO
Emission factor for district heating [kgCO2/kWh]	0.293
Primary energy factor for district heating [kWh/kWh]	1.2

Notes

Hot water systems	
Name	Default HWS
Generator Type	Dedicated hot water boiler
Fuel type	Natural Gas
Seasonal efficiency	0.65
Uses CHP	NO
Storage system	YES
Storage volume [litres]	300
Insulation thickness [mm]	35 (Factory insulated)
Secondary circulation	NO
Circulation losses [W/m]	-
Pump power [kW]	-
Loop length [m]	-

Notes

--

Heating, ventilation, and air conditioning systems	
Name	Gas
Type	Central heating using water: radiators
Heat source	LTHW boiler
Heating fuel type	Natural Gas
Heating seasonal efficiency	0.81
Uses CHP	NO
Variable speed pumping type	-
Generator radiant efficiency	-
Cooling generator type	-
Cooling fuel type	-
Cooling seasonal energy efficiency ratio	-
Cooling nominal energy efficiency ratio	-
Mixed-mode cooling operation	-
Heat recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Specific fan power [W/(l/s)]	-
Submetering and M&T for this system	NO
Heating - Central time control	NO
Heating - Optimum stop/start control	NO
Heating - Local time control	NO
Heating - Local temperature control	NO
Heating - Weather compensation control	NO

Notes

Zone name: z0/Circulation1_A **Activity:** Circulation area (corridors and stairways) **Multiplier:** 1

Area [m2]: 113.25 **Height [m]:** 3 **Air permeability @ 50pa [m3/hm2]:** 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes								
(Multiplier) Name	(1) z0/Circulation1_A/ne	(1) z0/Circulation1_A/sw	(1) z0/Circulation1_A/f	(1) z0/Circulation1_A/ci	(1) z0/Circulation1_A/nei	(1) z0/Circulation1_A/sei	(1) z0/Circulation1_A/nwi	(1) z0/Circulation1_A/nwi
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall	Wall
Area [m2]	3.83	13.84	113.25	113.25	10.01	114.77	56.87	57.9
Orientation	North-East	South-West	Horizontal	Horizontal	North-East	South-East	North-West	North-West
Adjacent space	Exterior	Exterior	Underground	Conditioned	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	Walls	Walls	floors	Intermed	solid	solid	solid	solid

Windows & rooflights	
(Multiplier) Name	(1) z0/Circulation1_A/sw/g
In envelope	z0/Circulation1_A/sw
Area [m2]	5
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 0.8

Doors	
(Multiplier) Name	(1) z0/Circulation1_A/ne/c
In envelope	z0/Circulation1_A/ne
Area [m2]	1.98
Type	Personnel
Construction name	PD

Notes

Zone name: z0/DrySptHall1_A**Activity:** Dry sports hall**Multiplier:** 1**Area [m2]:** 564.09**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	Metal Halide
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/DrySptHall1_A/ne	(1) z0/DrySptHall1_A/f	(1) z0/DrySptHall1_A/ci	(1) z0/DrySptHall1_A/swi	(1) z0/DrySptHall1_A/nwi	(1) z0/DrySptHall1_A/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	58.54	564.09	564.09	58.54	86.72	86.72
Orientation	North-East	Horizontal	Horizontal	South-West	North-West	South-East
Adjacent space	Exterior	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	Walls	floors	Intermed	solid	solid	solid

Doors

(Multiplier) Name	(1) z0/DrySptHall1_A/ne/d
In envelope	z0/DrySptHall1_A/ne
Area [m2]	1.98
Type	Personnel
Construction name	PD

Notes

Zone name: z0/Circulation1_B**Activity:** Circulation area (corridors and stairways)**Multiplier:** 1**Area [m2]:** 35.8**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Circulation1_B/nei	(1) z0/Circulation1_B/f	(1) z0/Circulation1_B/ci	(1) z0/Circulation1_B/sei	(1) z0/Circulation1_B/nwi	(1) z0/Circulation1_B/swi
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	58.54	35.8	35.8	5.5	5.5	58.54
Orientation	North-East	Horizontal	Horizontal	South-East	North-West	South-West
Adjacent space	Conditioned	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	solid	floors	Intermed	solid	solid	solid

Notes

Zone name: z0/DrySptHall1_B**Activity:** Dry sports hall**Multiplier:** 1**Area [m2]:** 106.22**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/DrySptHall1_B/sw	(1) z0/DrySptHall1_B/f	(1) z0/DrySptHall1_B/ci	(1) z0/DrySptHall1_B/nwi	(1) z0/DrySptHall1_B/nei	(1) z0/DrySptHall1_B/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	43.53	106.22	106.22	21.96	43.53	21.96
Orientation	South-West	Horizontal	Horizontal	North-West	North-East	South-East
Adjacent space	Exterior	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	Walls	floors	Intermed	solid	solid	solid

Windows & rooflights

(Multiplier) Name	(4) z0/DrySptHall1_B/sw/g
In envelope	z0/DrySptHall1_B/sw
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Notes

Zone name: z0/MeetRm1_A	Activity: Generic Office Area	Multiplier: 1
Area [m2]: 36.93	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes								
(Multiplier) Name	(1) z0/MeetRm1_A/sw	(1) z0/MeetRm1_A/se	(1) z0/MeetRm1_A/sw.1	(1) z0/MeetRm1_A/nwi	(1) z0/MeetRm1_A/f	(1) z0/MeetRm1_A/ci	(1) z0/MeetRm1_A/sei	(1) z0/MeetRm1_A/nei
Type	Wall	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	10.3	0.58	4.71	22.54	36.93	36.93	21.96	15.01
Orientation	South-West	South-East	South-West	North-West	Horizontal	Horizontal	South-East	North-East
Adjacent space	Exterior	Exterior	Exterior	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	Walls	Walls	solid	floors	Intermed	solid	solid

Windows & rooflights	
(Multiplier) Name	(2) z0/MeetRm1_A/sw/g
In envelope	z0/MeetRm1_A/sw
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Notes

Zone name: z0/Toilet1_A	Activity: Toilet	Multiplier: 1
Area [m2]: 17.06	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	YES
Exhaust air flow rate [l/s.m2]	5
SFP for mechanical exhaust [W/(l/s)]	1.5
Exhaust fans location	Fan within zone
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core	
Shell area for fit-out	-

Envelopes						
(Multiplier) Name	(1) z0/Toilet1_A/sw	(1) z0/Toilet1_A/nei	(1) z0/Toilet1_A/f	(1) z0/Toilet1_A/ci	(1) z0/Toilet1_A/sei	(1) z0/Toilet1_A/nwi
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	10.47	10.47	17.06	17.06	14.66	14.66
Orientation	South-West	North-East	Horizontal	Horizontal	South-East	North-West
Adjacent space	Exterior	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	solid	floors	Intermed	solid	solid

Notes

Zone name: z0/CellOff1

Activity: Generic Office Area

Multiplier: 1

Area [m2]: 18.55

Height [m]: 3

Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes							
(Multiplier) Name	(1) z0/CellOff1/se	(1) z0/CellOff1/sw	(1) z0/CellOff1/nwi.1	(1) z0/CellOff1/nei	(1) z0/CellOff1/f	(1) z0/CellOff1/ci	(1) z0/CellOff1/nwi
Type	Wall	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall
Area [m2]	18.55	9	3.9	9	18.55	18.55	14.66
Orientation	South-East	South-West	North-West	North-East	Horizontal	Horizontal	North-West
Adjacent space	Exterior	Exterior	Conditioned	Conditioned	Underground	Conditioned	Conditioned
Construction name	Walls	Walls	solid	solid	floors	Intermed	solid

Windows & rooflights		
(Multiplier) Name	(2) z0/CellOff1/se/g	(1) z0/CellOff1/sw/g
In envelope	z0/CellOff1/se	z0/CellOff1/sw
Area [m2]	1	1
Glazing name	12mmdg	12mmdg
Shading position	None (no shading)	None (no shading)
Shading colour	-	-
Shading translucency	-	-
Transmission factor	1	1
Frame / Aspect ratios	0.1 / 1	0.1 / 1

Notes

Zone name: z0/Plant1_A**Activity:** Light plant room**Multiplier:** 1**Area [m2]:** 5.29**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Plant1_A/sw	(1) z0/Plant1_A/f	(1) z0/Plant1_A/ci	(1) z0/Plant1_A/nei	(1) z0/Plant1_A/nwi	(1) z0/Plant1_A/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	7.17	5.29	5.29	7.17	6.64	6.64
Orientation	South-West	Horizontal	Horizontal	North-East	North-West	South-East
Adjacent space	Exterior	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	Walls	floors	Intermed	solid	solid	solid

Notes

Zone name: z0/Circulation1_C**Activity:** Circulation area (corridors and stairways)**Multiplier:** 1**Area [m2]:** 85.7**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Circulation1_C/ne	(1) z0/Circulation1_C/nwi	(1) z0/Circulation1_C/f	(1) z0/Circulation1_C/ci	(1) z0/Circulation1_C/swi	(1) z0/Circulation1_C/sei
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	7.17	107.55	85.7	85.7	7.17	107.55
Orientation	North-East	North-West	Horizontal	Horizontal	South-West	South-East
Adjacent space	Exterior	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	solid	floors	Intermed	solid	solid

Doors

(Multiplier) Name	(1) z0/Circulation1_C/ne/d
In envelope	z0/Circulation1_C/ne
Area [m2]	1.98
Type	Personnel
Construction name	PD

Notes

Zone name: z0/Circulation1_D	Activity: Circulation area (corridors and stairways)	Multiplier: 1
Area [m2]: 33.28	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes								
(Multiplier) Name	(1) z0/Circulation1_D/se	(1) z0/Circulation1_D/swi	(1) z0/Circulation1_D/sei	(1) z0/Circulation1_D/swi	(1) z0/Circulation1_D/f	(1) z0/Circulation1_D/ci	(1) z0/Circulation1_D/nei	(1) z0/Circulation1_D/nwi
Type	Wall	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	13.29	10.47	3.9	9	33.28	33.28	19.47	17.18
Orientation	South-East	South-West	South-East	South-West	Horizontal	Horizontal	North-East	North-West
Adjacent space	Exterior	Conditioned	Conditioned	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	solid	solid	solid	floors	Intermed	solid	solid

Doors		
(Multiplier) Name	(1) z0/Circulation1_D/se/c	(1) z0/Circulation1_D/se/c
In envelope	z0/Circulation1_D/se	z0/Circulation1_D/se
Area [m2]	1.98	1.98
Type	Personnel	Personnel
Construction name	PD	PD

Notes

Zone name: z0/Toilet1_B	Activity: Toilet	Multiplier: 1
Area [m2]: 29.46	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes						
(Multiplier) Name	(1) z0/Toilet1_B/se	(1) z0/Toilet1_B/swi	(1) z0/Toilet1_B/f	(1) z0/Toilet1_B/ci	(1) z0/Toilet1_B/nei	(1) z0/Toilet1_B/nwi
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	13.62	19.47	29.46	29.46	19.47	13.62
Orientation	South-East	South-West	Horizontal	Horizontal	North-East	North-West
Adjacent space	Exterior	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	solid	floors	Intermed	solid	solid

Notes

Zone name: z0/Changing1_A**Activity:** Changing facilities with showers**Multiplier:** 1**Area [m2]:** 66.64**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Changing1_A/se	(1) z0/Changing1_A/swi	(1) z0/Changing1_A/f	(1) z0/Changing1_A/ci	(1) z0/Changing1_A/nei	(1) z0/Changing1_A/nwi
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	30.8	19.47	66.64	66.64	19.47	30.8
Orientation	South-East	South-West	Horizontal	Horizontal	North-East	North-West
Adjacent space	Exterior	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	solid	floors	Intermed	solid	solid

Windows & rooflights

(Multiplier) Name	(4) z0/Changing1_A/se/g
In envelope	z0/Changing1_A/se
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Notes

Zone name: z0/Toilet1_C	Activity: Toilet	Multiplier: 1
Area [m2]: 28.81	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes						
(Multiplier) Name	(1) z0/Toilet1_C/se	(1) z0/Toilet1_C/swi	(1) z0/Toilet1_C/f	(1) z0/Toilet1_C/ci	(1) z0/Toilet1_C/nei	(1) z0/Toilet1_C/nwi
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	13.31	19.47	28.81	28.81	19.47	13.31
Orientation	South-East	South-West	Horizontal	Horizontal	North-East	North-West
Adjacent space	Exterior	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	solid	floors	Intermed	solid	solid

Windows & rooflights	
(Multiplier) Name	(1) z0/Toilet1_C/se/g
In envelope	z0/Toilet1_C/se
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Notes

Zone name: z0/Changing1_B**Activity:** Changing facilities with showers**Multiplier:** 1**Area [m2]:** 53.27**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Changing1_B/ne	(1) z0/Changing1_B/se	(1) z0/Changing1_B/f	(1) z0/Changing1_B/ci	(1) z0/Changing1_B/swi	(1) z0/Changing1_B/nwi
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	19.47	24.62	53.27	53.27	19.47	24.62
Orientation	North-East	South-East	Horizontal	Horizontal	South-West	North-West
Adjacent space	Exterior	Exterior	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	Walls	floors	Intermed	solid	solid

Windows & rooflights

(Multiplier) Name	(2) z0/Changing1_B/se/g
In envelope	z0/Changing1_B/se
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Notes

Zone name: z0/Toilet1_D	Activity: Toilet	Multiplier: 1
Area [m2]: 29.5	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes						
(Multiplier) Name	(1) z0/Toilet1_D/ne	(1) z0/Toilet1_D/nw	(1) z0/Toilet1_D/f	(1) z0/Toilet1_D/ci	(1) z0/Toilet1_D/swi	(1) z0/Toilet1_D/sei
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	18.09	14.68	29.5	29.5	18.09	14.68
Orientation	North-East	North-West	Horizontal	Horizontal	South-West	South-East
Adjacent space	Exterior	Exterior	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	Walls	floors	Intermed	solid	solid

Windows & rooflights	
(Multiplier) Name	(2) z0/Toilet1_D/nw/g
In envelope	z0/Toilet1_D/nw
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Notes

Zone name: z0/MeetRm1_B**Activity:** Generic Office Area**Multiplier:** 1**Area [m2]:** 84.82**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/MeetRm1_B/nw	(1) z0/MeetRm1_B/swi	(1) z0/MeetRm1_B/nei	(1) z0/MeetRm1_B/sei	(1) z0/MeetRm1_B/f	(1) z0/MeetRm1_B/ci	(1) z0/MeetRm1_B/nwi
Type	Wall	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall
Area [m2]	28.35	18.09	18.09	42.19	84.82	84.82	13.85
Orientation	North-West	South-West	North-East	South-East	Horizontal	Horizontal	North-West
Adjacent space	Exterior	Conditioned	Conditioned	Conditioned	Underground	Conditioned	Conditioned
Construction name	Walls	solid	solid	solid	floors	Intermed	solid

Windows & rooflights

(Multiplier) Name	(4) z0/MeetRm1_B/nw/g
In envelope	z0/MeetRm1_B/nw
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Notes

Zone name: z0/FoodPrep1_A	Activity: Food preparation area	Multiplier: 1
Area [m2]: 30.81	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes								
(Multiplier) Name	(1) z0/FoodPrep1_A/nw	(1) z0/FoodPrep1_A/ne	(1) z0/FoodPrep1_A/f	(1) z0/FoodPrep1_A/ci	(1) z0/FoodPrep1_A/sei	(1) z0/FoodPrep1_A/nei	(1) z0/FoodPrep1_A/sei.1	(1) z0/FoodPrep1_A/swi
Type	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall	Wall
Area [m2]	13.85	15.93	30.81	30.81	4.24	5.92	9.6	21.84
Orientation	North-West	North-East	Horizontal	Horizontal	South-East	North-East	South-East	South-West
Adjacent space	Exterior	Exterior	Underground	Conditioned	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	Walls	Walls	floors	Intermed	solid	solid	solid	solid

Windows & rooflights	
(Multiplier) Name	(1) z0/FoodPrep1_A/nw/g
In envelope	z0/FoodPrep1_A/nw
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Doors		
(Multiplier) Name	(1) z0/FoodPrep1_A/nw/d	(1) z0/FoodPrep1_A/ne/d
In envelope	z0/FoodPrep1_A/nw	z0/FoodPrep1_A/ne
Area [m2]	1.98	0.14
Type	Personnel	Personnel
Construction name	PD	PD

Notes

Zone name: z0/Toilet1_E	Activity: Toilet	Multiplier: 1
Area [m2]: 21.9	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes							
(Multiplier) Name	(1) z0/Toilet1_E/ne	(1) z0/Toilet1_E/sei	(1) z0/Toilet1_E/nwi.1	(1) z0/Toilet1_E/f	(1) z0/Toilet1_E/ci	(1) z0/Toilet1_E/nwi	(1) z0/Toilet1_E/swi
Type	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	14.24	13.85	9.6	21.9	21.9	4.24	14.24
Orientation	North-East	South-East	North-West	Horizontal	Horizontal	North-West	South-West
Adjacent space	Exterior	Conditioned	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	solid	solid	floors	Intermed	solid	solid

Windows & rooflights	
(Multiplier) Name	(1) z0/Toilet1_E/ne/g
In envelope	z0/Toilet1_E/ne
Area [m2]	1
Glazing name	12mmdg
Shading position	None (no shading)
Shading colour	-
Shading translucency	-
Transmission factor	1
Frame / Aspect ratios	0.1 / 1

Doors	
(Multiplier) Name	(1) z0/Toilet1_E/ne/d
In envelope	z0/Toilet1_E/ne
Area [m2]	1.98
Type	Personnel
Construction name	PD

Notes

Zone name: z0/Plant1_B**Activity:** Light plant room**Multiplier:** 1**Area [m2]:** 2.79**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Plant1_B/ne	(1) z0/Plant1_B/nwi	(1) z0/Plant1_B/swi	(1) z0/Plant1_B/f	(1) z0/Plant1_B/ci	(1) z0/Plant1_B/sei
Type	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall
Area [m2]	5.92	4.24	5.92	2.79	2.79	4.24
Orientation	North-East	North-West	South-West	Horizontal	Horizontal	South-East
Adjacent space	Exterior	Conditioned	Conditioned	Underground	Conditioned	Conditioned
Construction name	Walls	solid	solid	floors	Intermed	solid

Doors

(Multiplier) Name	(1) z0/Plant1_B/ne/d
In envelope	z0/Plant1_B/ne
Area [m2]	1.84
Type	Personnel
Construction name	PD

Notes

Zone name: z0/Office1_A	Activity: Office and consulting areas	Multiplier: 1
Area [m2]: 38.58	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core	
Shell area for fit-out	-

Envelopes								
(Multiplier) Name	(1) z0/Office1_A/sw	(1) z0/Office1_A/se	(1) z0/Office1_A/sw.1	(1) z0/Office1_A/nw	(1) z0/Office1_A/f	(1) z0/Office1_A/ci	(1) z0/Office1_A/sei	(1) z0/Office1_A/nei
Type	Wall	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	1.45	1.15	40.55	8.28	38.58	38.58	7.14	42.16
Orientation	South-West	South-East	South-West	North-West	Horizontal	Horizontal	South-East	North-East
Adjacent space	Exterior	Exterior	Exterior	Exterior	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	Walls	Walls	Walls	floors	Intermed	solid	solid

Windows & rooflights		
(Multiplier) Name	(1) z0/Office1_A/sw.1/g	(1) z0/Office1_A/nw/g
In envelope	z0/Office1_A/sw.1	z0/Office1_A/nw
Area [m2]	18.2	4
Glazing name	12mmdg	12mmdg
Shading position	None (no shading)	None (no shading)
Shading colour	-	-
Shading translucency	-	-
Transmission factor	1	1
Frame / Aspect ratios	0.1 / 0.1077	0.1 / 1

Notes

Zone name: z0/Reception1**Activity:** Reception**Multiplier:** 1**Area [m2]:** 137.96**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Reception1/sw	(1) z0/Reception1/nw	(1) z0/Reception1/nei	(1) z0/Reception1/f	(1) z0/Reception1/ci	(1) z0/Reception1/swi	(1) z0/Reception1/sei
Type	Wall	Wall	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall
Area [m2]	2	50.76	24.46	137.96	137.96	22.46	50.76
Orientation	South-West	North-West	North-East	Horizontal	Horizontal	South-West	South-East
Adjacent space	Exterior	Exterior	Conditioned	Underground	Conditioned	Conditioned	Conditioned
Construction name	Walls	Walls	solid	floors	Intermed	solid	solid

Windows & rooflights

(Multiplier) Name	(1) z0/Reception1/nw/g	(1) z0/Reception1/nw/g.1
In envelope	z0/Reception1/nw	z0/Reception1/nw
Area [m2]	1	1
Glazing name	12mmdg	12mmdg
Shading position	None (no shading)	None (no shading)
Shading colour	-	-
Shading translucency	-	-
Transmission factor	1	1
Frame / Aspect ratios	0.1 / 1	0.1 / 1

Doors

(Multiplier) Name	(1) z0/Reception1/nw/d	(1) z0/Reception1/nw/d.1
In envelope	z0/Reception1/nw	z0/Reception1/nw
Area [m2]	1.98	1.98
Type	Personnel	Personnel
Construction name	PD	PD

Notes

Zone name: z0/Circulation1_E**Activity:** Circulation area (corridors and stairways)**Multiplier:** 1**Area [m2]:** 14.33**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/Circulation1_E/nei	(1) z0/Circulation1_E/f	(1) z0/Circulation1_E/ci	(1) z0/Circulation1_E/swi	(1) z0/Circulation1_E/nwi	(1) z0/Circulation1_E/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	19.7	14.33	14.33	19.7	6.55	6.55
Orientation	North-East	Horizontal	Horizontal	South-West	North-West	South-East
Adjacent space	Conditioned	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	solid	floors	Intermed	solid	solid	solid

Notes

Zone name: z0/FoodPrep1_B**Activity:** Food preparation area**Multiplier:** 1**Area [m2]:** 25.65**Height [m]:** 3**Air permeability @ 50pa [m3/hm2]:** 25**HVAC system, ventilation, and exhaust**

Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	YES
Exhaust air flow rate [l/s.m2]	5
SFP for mechanical exhaust [W/(l/s)]	1.5
Exhaust fans location	Fan within zone
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls

Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system

Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting

Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]

Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core

Shell area for fit-out	-
------------------------	---

Envelopes

(Multiplier) Name	(1) z0/FoodPrep1_B/nei	(1) z0/FoodPrep1_B/f	(1) z0/FoodPrep1_B/ci	(1) z0/FoodPrep1_B/swi	(1) z0/FoodPrep1_B/nwi	(1) z0/FoodPrep1_B/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	19.7	25.65	25.65	19.7	11.72	11.72
Orientation	North-East	Horizontal	Horizontal	South-West	North-West	South-East
Adjacent space	Conditioned	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	solid	floors	Intermed	solid	solid	solid

Notes

Zone name: z0/Toilet1_F	Activity: Toilet	Multiplier: 1
Area [m2]: 19.92	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	YES
Exhaust air flow rate [l/s.m2]	5
SFP for mechanical exhaust [W/(l/s)]	1.5
Exhaust fans location	Fan within zone
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core	
Shell area for fit-out	-

Envelopes						
(Multiplier) Name	(1) z0/Toilet1_F/nei	(1) z0/Toilet1_F/f	(1) z0/Toilet1_F/ci	(1) z0/Toilet1_F/swi	(1) z0/Toilet1_F/nwi	(1) z0/Toilet1_F/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	19.7	19.92	19.92	19.7	9.1	9.1
Orientation	North-East	Horizontal	Horizontal	South-West	North-West	South-East
Adjacent space	Conditioned	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	solid	floors	Intermed	solid	solid	solid

Notes

Zone name: z0/Office1_B	Activity: Office and consulting areas	Multiplier: 1
Area [m2]: 39.99	Height [m]: 3	Air permeability @ 50pa [m3/hm2]: 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core	
Shell area for fit-out	-

Envelopes						
(Multiplier) Name	(1) z0/Office1_B/swi	(1) z0/Office1_B/f	(1) z0/Office1_B/ci	(1) z0/Office1_B/nei	(1) z0/Office1_B/nwi	(1) z0/Office1_B/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	19.7	39.99	39.99	19.7	18.27	18.27
Orientation	South-West	Horizontal	Horizontal	North-East	North-West	South-East
Adjacent space	Conditioned	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	solid	floors	Intermed	solid	solid	solid

Notes

Zone name: z0/Circulation1_F **Activity:** Circulation area (corridors and stairways) **Multiplier:** 1

Area [m2]: 11.21 **Height [m]:** 3 **Air permeability @ 50pa [m3/hm2]:** 25

HVAC system, ventilation, and exhaust	
Name	Gas
Destratification fans	NO
Ventilation type	Natural
SFP for local mechanical supply & extract [W/(l/s)]	-
Heat Recovery system	-
Heat recovery seasonal efficiency	-
Variable heat recovery efficiency	-
Local mechanical exhaust	NO
Exhaust air flow rate [l/s.m2]	-
SFP for mechanical exhaust [W/(l/s)]	-
Exhaust fans location	-
SFP for system terminal units [W/(l/s)]	-
Demand-controlled ventilation	None
Flow regulation type for ventilation control	-
Night cooling maximum hours [hours/month]	-
Night cooling maximum air flow rate [l/s.m2]	-
SFP for night cooling [W/(l/s)]	-

General Lighting and controls	
Total wattage [W]	-
Design illuminance [Lux]	-
Lamp and ballast efficacy [Lumens/W]	-
Light output ratio	-
Lamp type	T8 Fluorescent - halophosphate - low frequency ballast
Air-extracting luminaires	NO
Controls	MANUAL
Type of photoelectric control	-
Different sensor for back of zone	-
Photoelectric control parasitic power [W/m2]	-
Automatic zoning for daylight	YES
Occupancy sensing	NONE
Occupancy sensing parasitic power [W/m2]	-

Hot water system	
Name	Default HWS
Dead leg length in this zone [m]	0

Display lighting	
Efficient lamps	NO
Lumens per circuit wattage	-
Time switching	NO

Thermal bridges Psi values [W/mK]		
Junction type	Metal clad	Not metal clad
Roof-wall	0.42	0.12
Wall-ground floor	1.725	0.16
Wall-wall (corner)	0.375	0.09
Wall-not ground floor	0.04	0.07
Lintel (window/door)	1.905	0.3
Sill (window)	1.905	0.04
Jamb (window/door)	1.905	0.05

Shell & core	
Shell area for fit-out	-

Envelopes						
(Multiplier) Name	(1) z0/Circulation1_F/nei	(1) z0/Circulation1_F/f	(1) z0/Circulation1_F/ci	(1) z0/Circulation1_F/swi	(1) z0/Circulation1_F/nwi	(1) z0/Circulation1_F/sei
Type	Wall	Floor or Ceiling	Floor or Ceiling	Wall	Wall	Wall
Area [m2]	19.7	11.21	11.21	19.7	5.12	5.12
Orientation	North-East	Horizontal	Horizontal	South-West	North-West	South-East
Adjacent space	Conditioned	Underground	Conditioned	Conditioned	Conditioned	Conditioned
Construction name	solid	floors	Intermed	solid	solid	solid

Notes