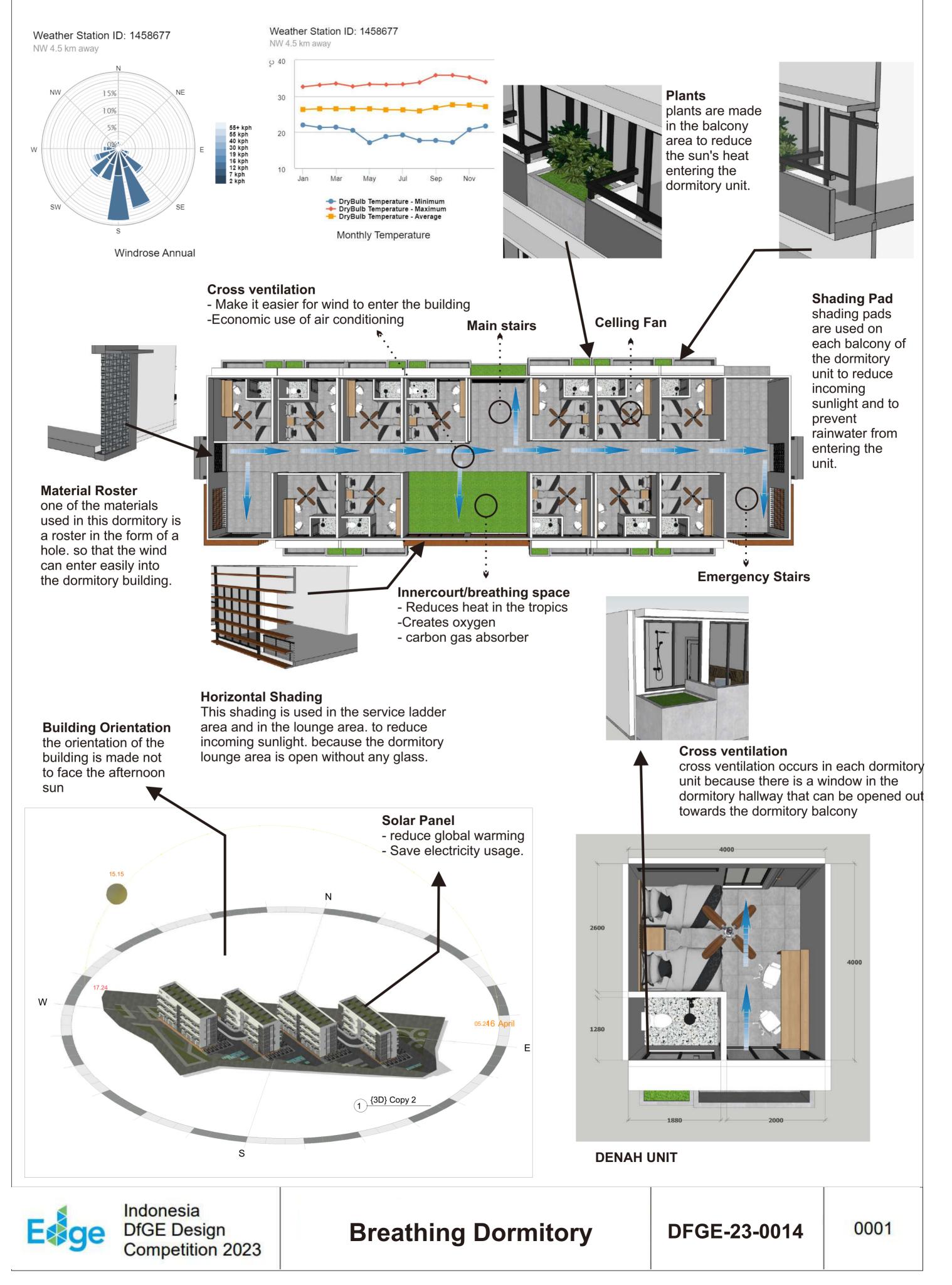


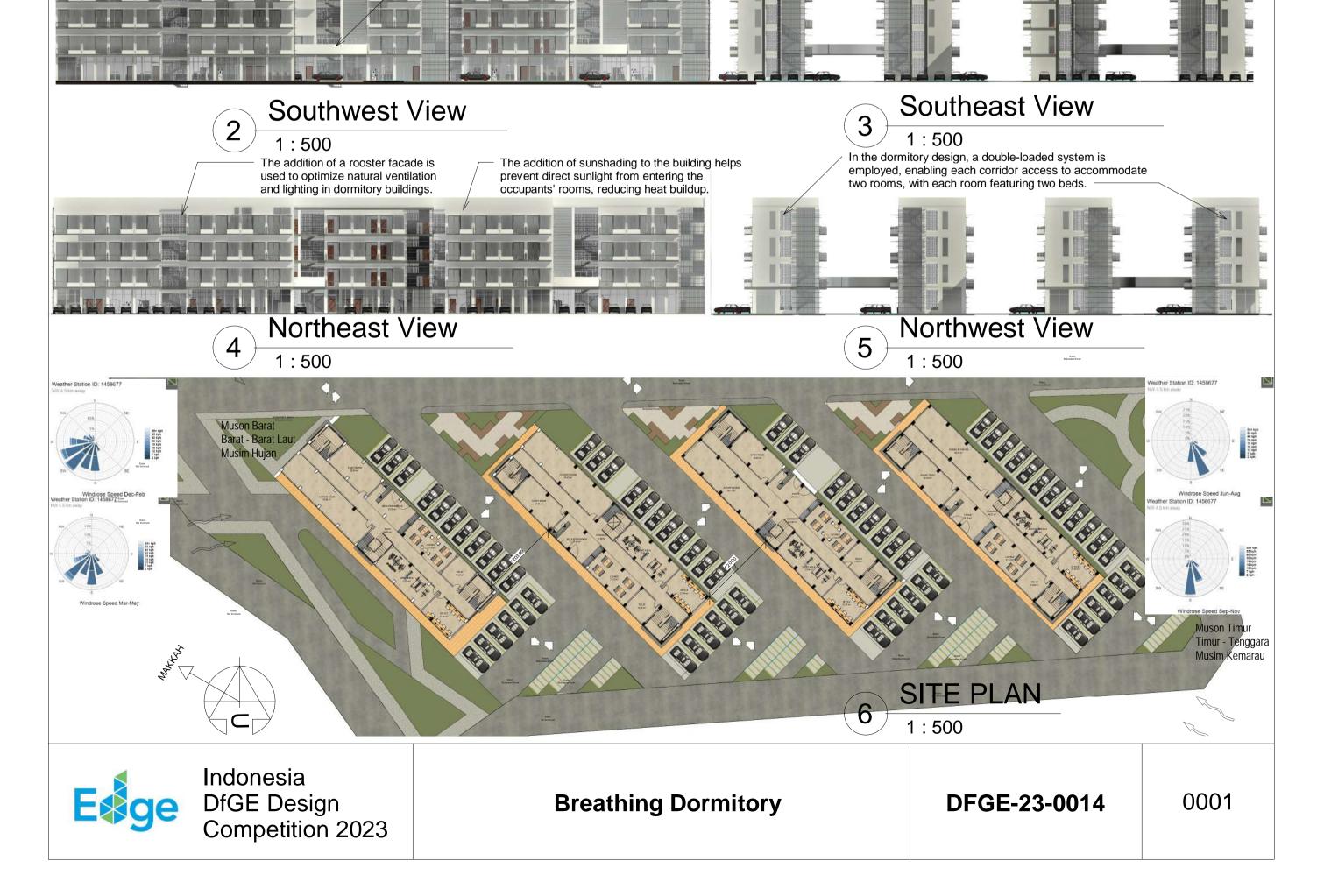


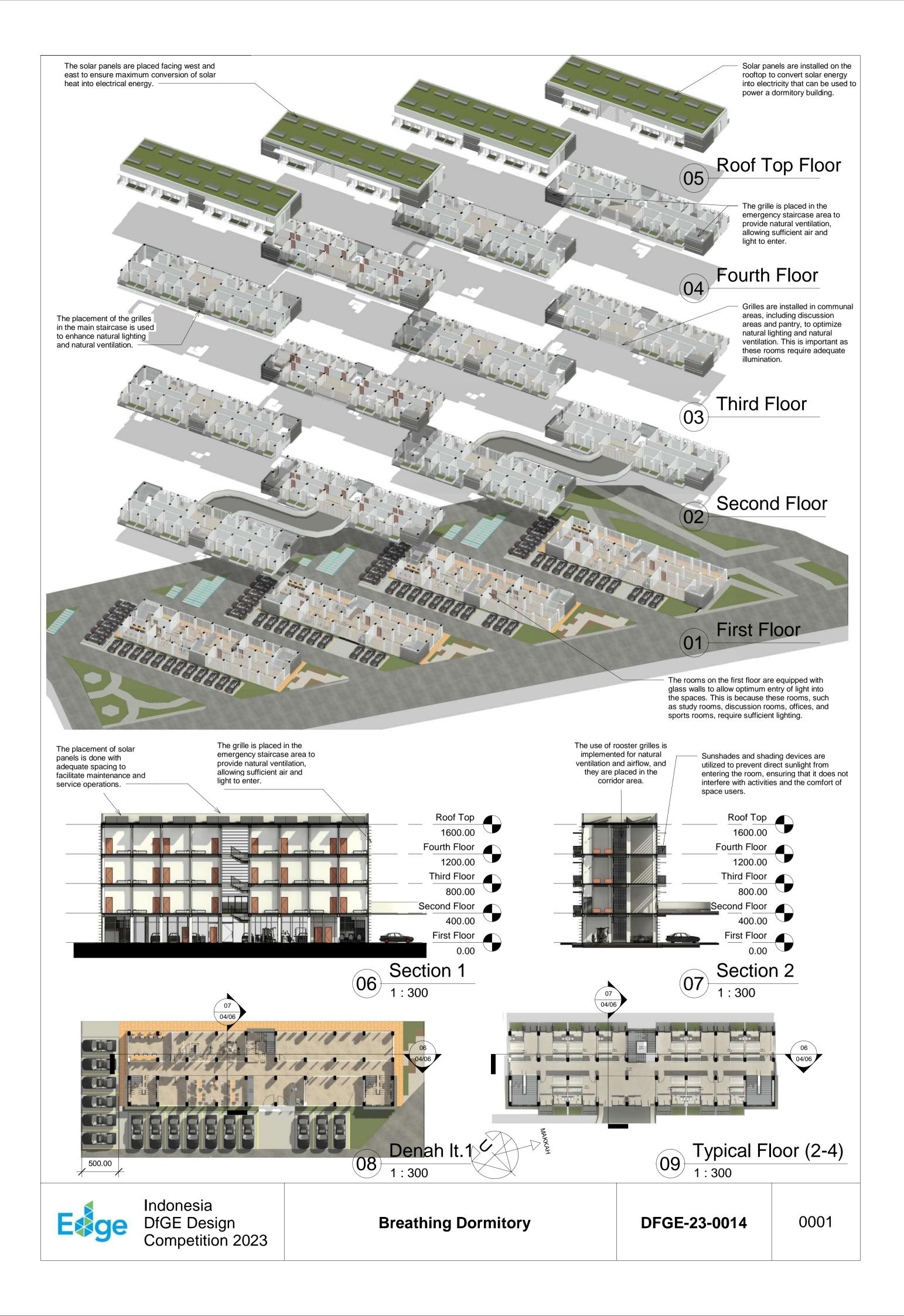


# BREATHING DORMITORY







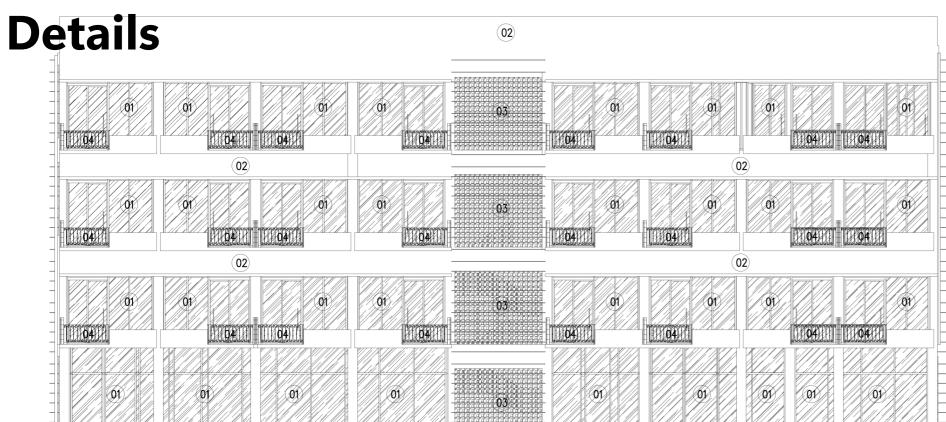


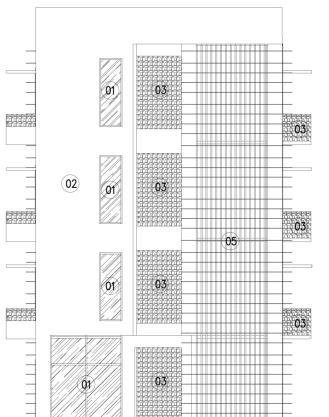
## ANALYSIS

R-1	Image: State Processing State Procestophysics Procestate Procesing State Processing State Processing S	land area KDB LKB KDH	: 7.101 : 40 : 1.6 : 20
Peta Informasi Sub Zona Perumahan Kepadatan Sangat Tinggi Legenda Pola Ruang Perumahan Kepadatan Sangat Tinggi	COTTAGE HOMESTIK GISST HOUSERSMAN HOX YAA RUAT JAMIN JAHIY KEDIN HISIANA, JAHIY GAM THOOSIDMU, JANI, JANDUNAN UNTIK ATTITUTIS REFERINSIONAN JANGUNAN HONOTHI KICI, JANI MANANAN JAHAN KURSIK KURSIK, RUAN HARBADISHITON, BUNANAN KURSIK POS, MANGUNA JACH KURSI, BUDONA PERSANAN ARA JULI, TOO CERMA SULAH MANANAN DAN HISIMAN, TEHMINA, STRUB, JANIS SULTUL, JANDAN JAKI KURSIK, BUDONA PERSANAN ARA JULI, TOO CERMA SULAH MANANAN DAN HISIMAN, TEHMINA, STRUB, TANABORT SULTUL, JANDAN GUN KURSIK, BUDONA PERSANAN ARA JULI, TOO CERMA SULAH MANANAN DAN HISIMAN, TEHMINA, STRUB, TANABORT SULTUL, JANDAN GUN KURSIK, BUDONA PERSANAN ARA JULI, TOO CERMA SULAH MANANAN DAN HISIMAN, TEHMINA, SINGU, TANABORT SULTUL, JANDANG, STRUB, SUBAN, MANGUNAH PERSANAN, ANAN HISI DERI, BARGUNAH PERSIDAN, TANABAN BAR, JANI HANANAN DAN ASI, MUSELIM, JANDANG HUKUNAH PENCINAH PENCIDIAN ANAN JULIA DERI, BANGUNAH PENCIDIAN TANGANAN, KURMA SULT, HANA PENCIDIAN TINGKI SUDAN ARUSANAN PENCIDIANAN ARUSAN, TITATIKI TERBINA, KININA HANKI, KURMAH SULT, HANA HUKUNA, BANGUNAH HUKUNAH PENCIDIAN KURMAN, TANAH MIDINA / TUTUTIKI TERBINA, KININA HANKI, KURMAH SULTI, MASTI MUSELIM, JANDAN HUKUNAH PENCIDIAN KURMAN, TANAH MIDINA / TUTUTIKI TERBINA, KININA HANGUNAH PENCIDIAN HUKUNA, BANGUNAH HUKUNAH PENCIDIAN KURMAN, TANAH MIDINA / TUTUTIKI TERBINA, KININA HUKUNA, FURMAH SULT, HANA HUKUNA, BANGUNAH HUKUNAH PENCIDAKAN KURMAN, TANAH MIDINA / TUTUTIKI TERBINA, KININA HUKUNAH PENCIDAN HUKUNA, BANGUNAH PULANAH PULANAH KURMA HUKUNAH PULANAH PULANAH PULANAH PULANAH PULANAH PULANAH PULANAH SULTI PULANAN TINGKI PULANA SULTAH KURMANAN HUKUNAH PULANAH PULANAH PULANAH PULANAH HUKUNAH HUKUNAH PULANAH PULANAH SULTI PULANAN HUKUNAH PULANAH KURMA KURMAH HUKUNAH PULANAH PULANAH PULANAH KURMAH HUKUNAH HUKUNAH PULANAH PULANAH PULANAH KURMAH HUKUNAH HUKUNAH PULANAH PULANAH KURMAH HUKUNAH PULANAH PULANAH PULANAH PULANAH KURMAH HUKUNAH PULANAH PULANAH PULANAH KURMAH HUKUNAH HUKUNAH HUKUNAH PULANAH PULANAH KURMAH HUKUNAH PULANAH PULANAH KURMAH HUKUNAH PULANAH HUKUNAH PULANAH PULANAH PULANAH PULANAH P		

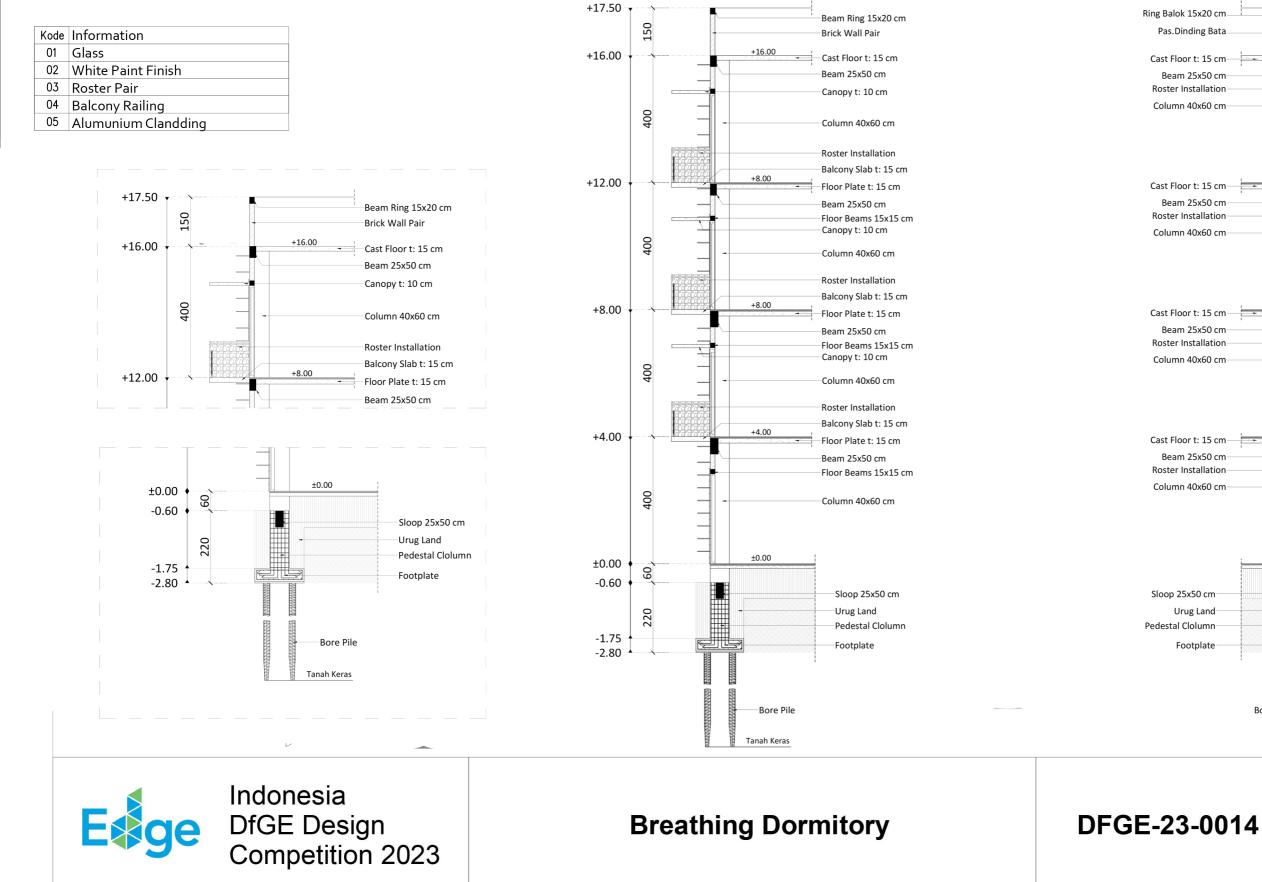
KDB AREA rEGULATION	: 2.840
KDB AREA BUILDING	: 1440
KLB	: 11.361
KDH	: 1.420
KDH BUILDING	: 1.533

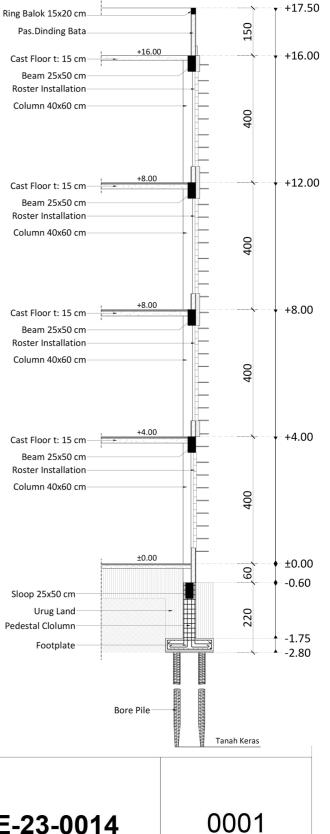
Number of rooms	: 208
Student capacity	: 416
Car parking capacity	: 70
Motorbike parking capacity	: 98











### **EDGE** Assessment

#### ENERGY SAVINGS

#### Energy Efficiency Measures 100.00%

HME09 - Natural Ventilation Compliance Check

Name

r..tidur

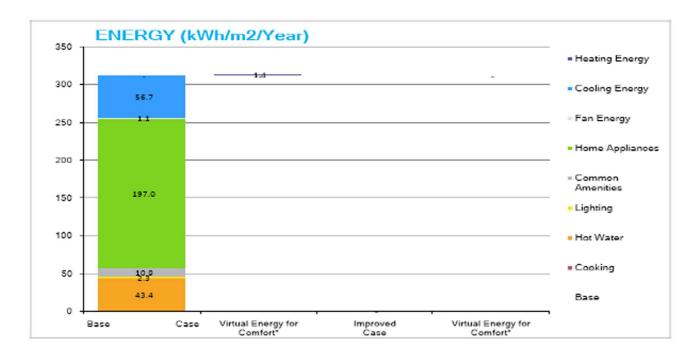
Space/Room Opening Type

Space Type

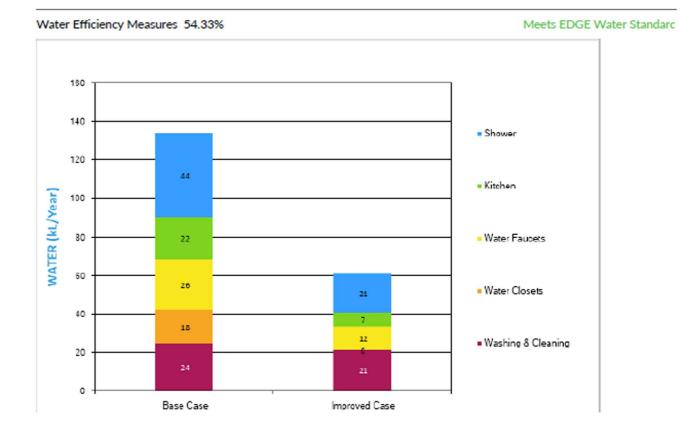
Bedroom

#### EDGE ADVANCED

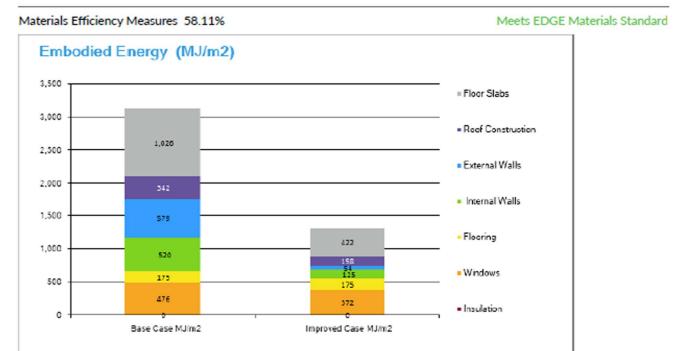
Meets EDGE Energy Standard



#### WATER SAVINGS



#### Embodied Energy Savings



### **Natural Ventilation**

ROOM DEPTH TO CEILING HEIGHT RATIO (D:H)

Cross-ventilat... v 4.00

Room

E.g. 5

Depth (n

Ceiling

Height

(m) E.g. 5

2.80

D:H

5.00 1.43

Natural Ve			_												
Final Ene	rgy Use =	0.00	kWh/	month											
Energy sa	ivings =	100%	%												
Space Type	Space/Room Name	Opening Type	Room Depth (m)	Ceiling Height (m)	Maximum D:H Allowed	D:H of Space	Within Maximum D:H Limits?	Room Area (m²)	L (m)	H (m)	Opening Area (m²)	Minimum Opening m	Required Area (%/		Recommendation
LR	Bed Room	CV	4.00	2.80	5.00	1 43	Yes	13.20	2,55	2.00	5.10	20%	2.64	Ves	
	Deartoon		4,00	2,00	0,00	1,40	100	10,20	2,00	2,00	0,10	2070	2,04	100	
Note:	SSS	Single Sided -	Single Op	ening											
	SSM	Single Sided -	Multiple C	penings											
	CV	Cross Ventilat	ion												
	Space Type :	BR	Bed Roo	m											
		LR	Living R	oom											
		к	Kitchen												

### **Specitication**

Cooling capacity is based on: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; piping length 7.5 m. Heating capacity is based on: indoor temp. 20°CDB; outdoor temp. 7°CDB; 6°CWB; piping length 7.5 m. Swed preprior levels on breach on the

Model name Indoor unit		hit		FTXZ25NVM4	FTXZ35NVM4	FTXZ50NVM4				
Model name	Outdoor	unit		RXZ25NVM4	RXZ35NVM4	RXZ50NVM4				
	Cooling Rated		kW	2.45 (0.6-3.9)	3.45 (0.6-5.3)	4.95 (0.6-5.8)				
Capacity		(MinMax.)	Btu/h	8,400 (2,000-13,300)	11,800 (2,000-18,100)	16,900 (2,000-19,800)				
Capacity	Heating	Rated (MinMax.)	kW	3.6 (0.6-7.5)	5.0 (0.6-9.0)	6.3 (0.6-9.4)				
	neaung		Btu/h	12,300 (2,000-25,600)	17,100 (2,000-30,700)	21,500 (2,000-32,100)				
Power supply					1 phase, 220-240 V, 50 Hz					
Running current	Cooling	Rated	A	2.1-2.0-2.0	5.3-5.1-4.8					
(220-230-240 V, 50 Hz)	Heating	Rateu	A	2.9-2.8-2.7	4.6-4.4-4.3	6.5-6.2-6.0				
Power consumption	Cooling	Rated	w	430 (110-880)	680 (110-1,330)	1,150 (110-1,600)				
Power consumption	Heating	(MinMax.)	vv	620 (100-2,010)	1,000 (100-2,530)	1,410 (100-2,640)				
COP	Cooling	Rated	ww	5.70 (5.45-4.43)	5.07 (5.45-3.98)	4.30 (5.45-3.63)				
COP	Heating (MinMax.)		44/44	5.81 (6.00-3.73)	5.00 (6.00-3.56)	4.47 (6.00-3.56)				
ndoor unit				FTXZ25NVM4	FTXZ35NVM4	FTXZ50NVM4				
Front panel colour					White					
	rflow rate (H)		m <sup>3</sup> min	10.7 (379)	12.1 (428)	15.0 (545)				
Airflow rate (H)			(cfm)	11.7 (415)	13.3 (469)	14.4 (517)				
Fan speed					5 steps, quiet and automatic					
Sound pressure levels	Cooling		10 (1)	38/26/19	42/27/19	47/30/23				
(H/L/SL)	Heating		dB (A)	39/28/19	42/29/19	44/31/24				
Dimensions (H x W x D	))		mm	295 x 798 x 370						
Machine weight			kg	15						
Outdoor unit				RXZ25NVM4	RXZ35NVM4	RXZ50NVM4				
Casing colour					lvory white					
Compressor type					Hermetically sealed swing type					
Refrigerant charge (R-	32)		kg		1.34					
Sound pressure levels	Cooling	cooling		46	48	49				
(H)	Heating		dB (A)	46	48	50				
Dimensions (H x W x D	))		mm		595 x 795 x 300					
Machine weight			kg	43						
0	Cooling		*CDB		-10 to 43					
Operation range	Heating		*CWB		-20 to 18					
	Liquid				Ø6.4					
Piping connection	Gas		-		Ø9.5					
	Drain		mm	Indoor unit: I.D.@ 16.0, O.D. @18.0						
	Drain				Outdoor unit: I.D.Ø 15.9					
Max. piping length					30					
Max. height difference			m		12					



MINIMUM AREA OF OPENING

Minimum Required

Opening Area (m<sup>2</sup>)

20% 2.64

Meets the Minimum

Area Requirements

Room Area

(m²) E.g. 30

Within

Maximum D:H

**Opening Area** 

(m²) E.g. 5





