MAX FORDHAM

Baseline Assessment

DSY1 2020, High Emission Scenario, 50%

block_number	level_number	flat_code	room_code	space_name	Criterion A (%)	Criterion A (pass/fail)	Criterion B (%)	Criterion B (pass/fail)	TM59 (pass/fail)
A	04	02	01	LR	0.25	pass	0	pass	PASS
A	04	02	02	DB	0	pass	0.49	pass	PASS
A	04	02	03	SB	0	pass	0.67	pass	PASS
A	04	02	04	DB	0	pass	0.12	pass	PASS
A	04	04	01	LR	0	pass	0	pass	PASS
A	04	04	02	DB	0	pass	0	pass	PASS
A	04	06	01	LR	0	pass	0	pass	PASS
A	04	06	02	DB	0.71	pass	0.03	pass	PASS
A	11	01	01	LR	0.15	pass	0	pass	PASS
A	11	01	02	DB	0	pass	0.15	pass	PASS
A	11	02	01	LR	0	pass	0	pass	PASS
A	11	02	02	DB	0	pass	0	pass	PASS
A	11	03	01	LR	3.67	fail	0	pass	FAIL
A	11	03	02	DB	1.96	pass	0.37	pass	PASS
A	11	04	01	LR	3.27	fail	0	pass	FAIL
A	11	04	02	DB	5.8	fail	1.1	fail	FAIL

Heatwave Assessment

DSY2 2020, High Emission Scenario, 50%

block_number	level_number	flat_code	room_code	space_name	Criterion A (%)	Criterion A (pass/fail)	Criterion B (%)	Criterion B (pass/fail)	TM59 (pass/fail)
A	04	02	01	LR	0	pass	0	pass	PASS
A	04	02	02	DB	0	pass	0	pass	PASS
A	04	02	03	SB	0	pass	0.12	pass	PASS
A	04	02	04	DB	0	pass	0	pass	PASS
A	04	04	01	LR	0	pass	0	pass	PASS
A	04	04	02	DB	0	pass	0	pass	PASS
A	04	06	01	LR	0	pass	0	pass	PASS
A	04	06	02	DB	0	pass	0	pass	PASS
A	11	01	01	LR	0	pass	0	pass	PASS
A	11	01	02	DB	0	pass	0	pass	PASS
A	11	02	01	LR	0	pass	0	pass	PASS
A	11	02	02	DB	0	pass	0	pass	PASS
A	11	03	01	LR	0.15	pass	0	pass	PASS
A	11	03	02	DB	0.05	pass	0.03	pass	PASS
A	11	04	01	LR	0.05	pass	0	pass	PASS
A	11	04	02	DB	1.28	pass	0.12	pass	PASS

Future Assessment

DSY1 2030, High Emission Scenario, 50%

block_number	level_number	flat_code	room_code	space_name	Criterion A (%)	Criterion A (pass/fail)	Criterion B (%)	Criterion B (pass/fail)	TM59 (pass/fail)
A	04	02	01	LR	0	pass	0	pass	PASS
A	04	02	02	DB	0	pass	0	pass	PASS
A	04	02	03	SB	0	pass	0.12	pass	PASS
A	04	02	04	DB	0	pass	0	pass	PASS
A	04	04	01	LR	0	pass	0	pass	PASS
A	04	04	02	DB	0	pass	0	pass	PASS
A	04	06	01	LR	0	pass	0	pass	PASS
A	04	06	02	DB	0	pass	0	pass	PASS
A	11	01	01	LR	0	pass	0	pass	PASS
A	11	01	02	DB	0	pass	0	pass	PASS
A	11	02	01	LR	0	pass	0	pass	PASS
A	11	02	02	DB	0	pass	0	pass	PASS
A	11	03	01	LR	0.15	pass	0	pass	PASS
A	11	03	02	DB	0.05	pass	0.03	pass	PASS
A	11	04	01	LR	0.05	pass	0	pass	PASS
A	11	04	02	DB	1.28	pass	0.12	pass	PASS

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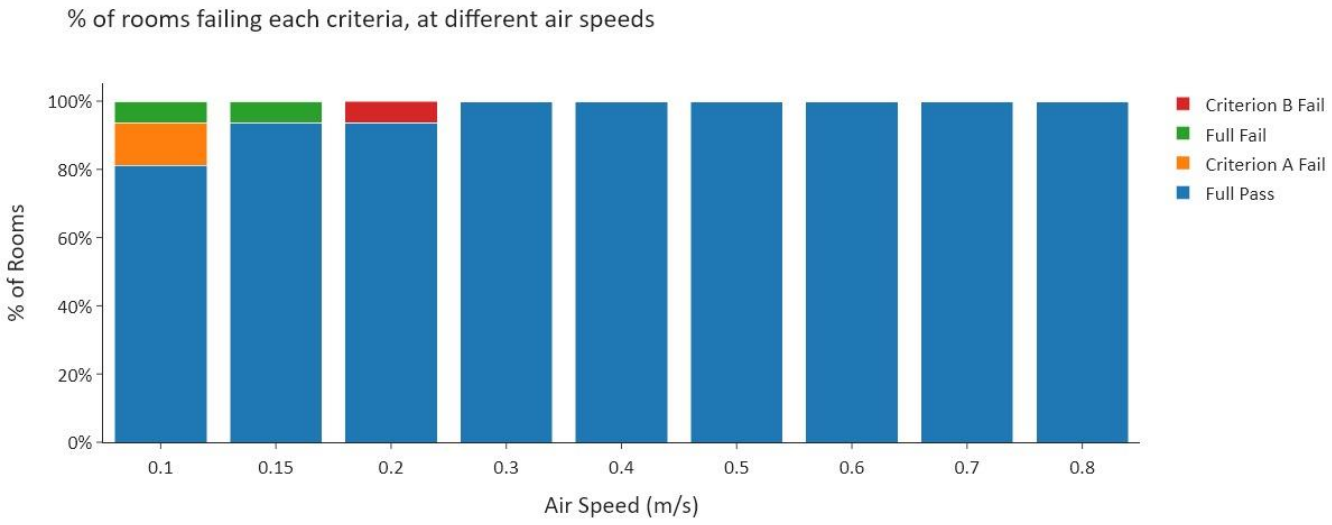
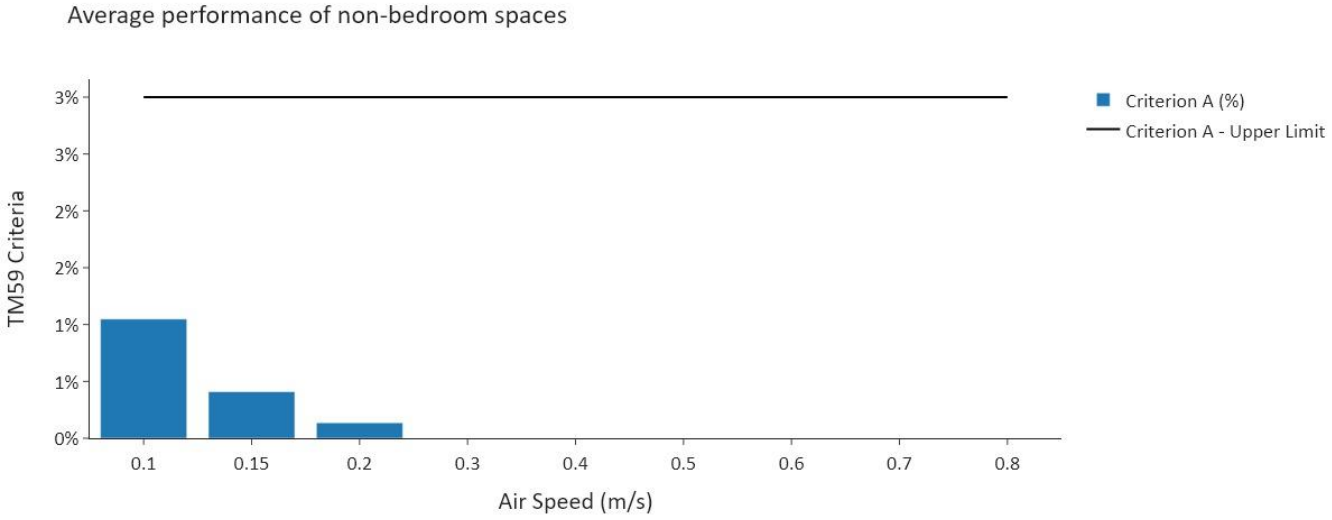
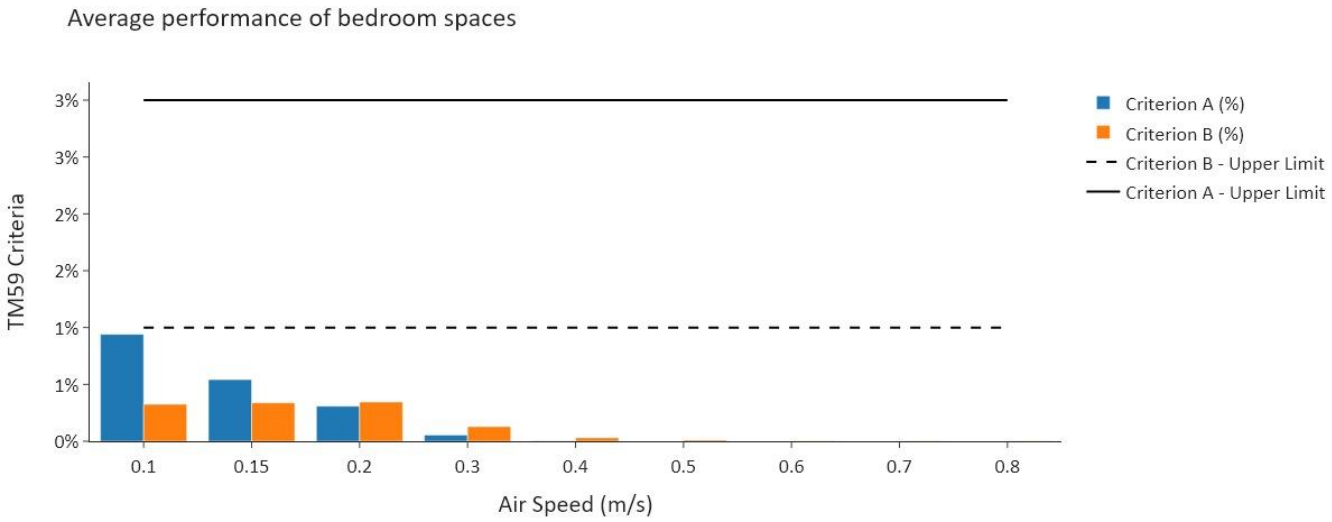
Results Breakdown: Proposed Design






Average performance of bedroom spaces
TM59 Criteria
3%
3%
2%
2%
1%
1%
0%
0.1
0.15
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Air Speed (m/s)
Criterion A (%)
Criterion B (%)
Criterion B - Upper Limit
Criterion A - Upper Limit

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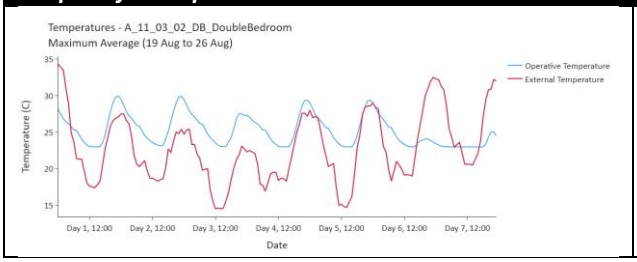
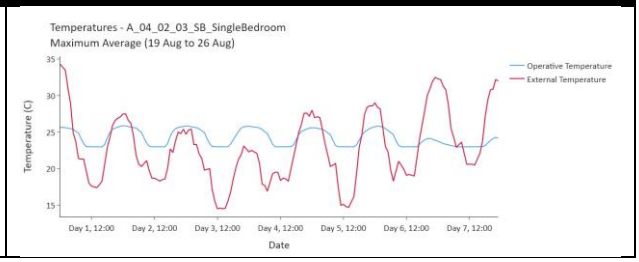
Temperature Breakdown: Proposed Design

Graphs of Example Rooms





	DSY1 2020, High Emission Scenario, 50%	DSY2 2020, High Emission Scenario, 50%	DSY1 2030, High Emission Scenario, 50%
Mechanically Ventilated?	False	False	False
Air Speed	0.1	0.1	0.1
Model Desc			
Average Glazing Ratio	55.1	55.1	55.1
G-value	0.4	0.4	0.4
Window Frame Factor	0.9	0.9	0.9
Door Frame Factor	0.9	0.9	0.9
Air Permeability	3	3	3
Thermal Mass	Lightweight	Lightweight	Lightweight
Vent Desc	Nat Vent	Nat Vent	Nat Vent
Openable Area: Bedrooms	All Windows	All Windows	All Windows
Opening Profile: Bedrooms			
Openable Area: Other	All Windows	All Windows	All Windows
MVHR system heat recovery?	True	True	True
Gains Desc	As per TM59	As per TM59	As per TM59
Gains: Technical Params	N/A	N/A	N/A
Cooling Desc	No Cooling	No Cooling	No Cooling
Cooling: Technical Characteristics	N/A	N/A	N/A
Adjacent buildings included?	False	False	False
Trees included?	False	False	False

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