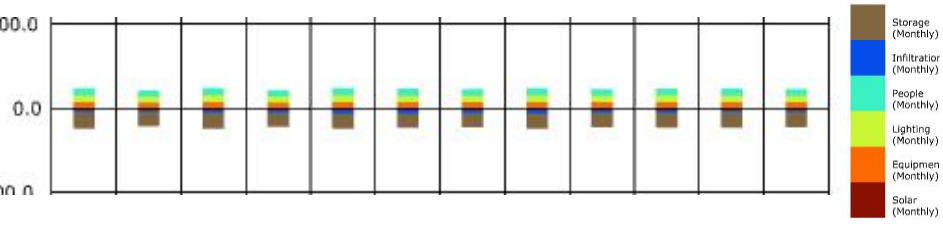
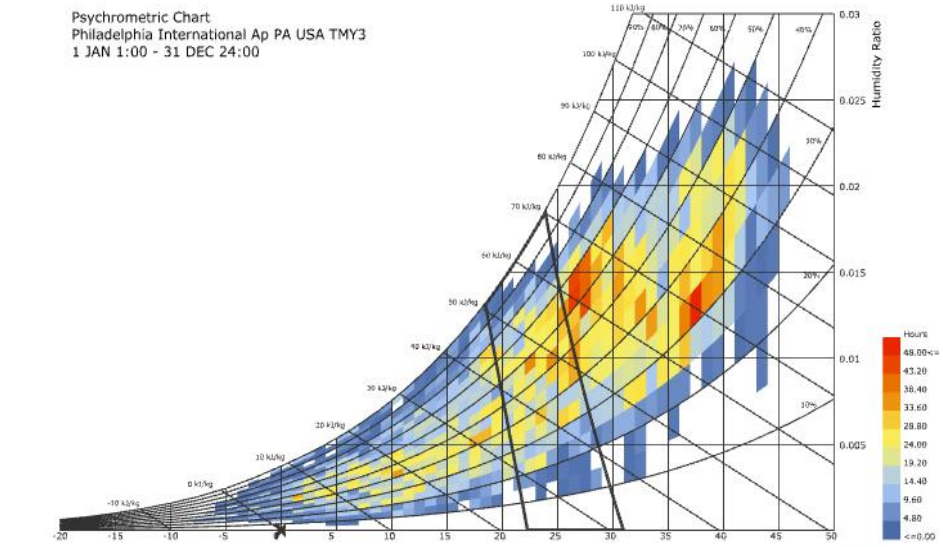
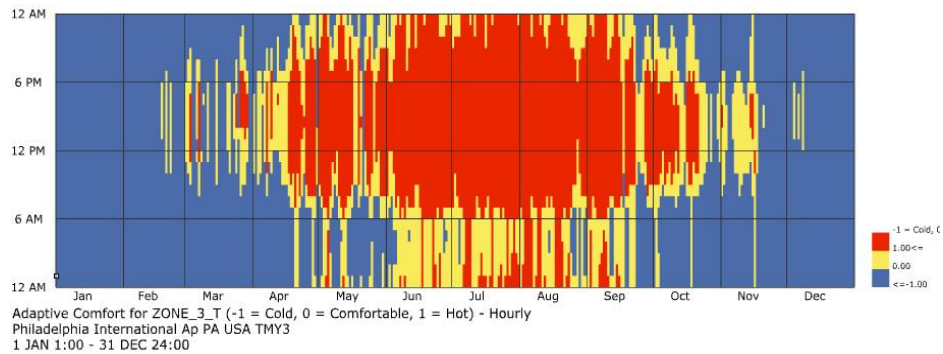


Energy Simulation | Thermal Comfort & Energy Balance

Existing Conditions



Differences

% Comfortable - 18.00	% Comfortable - 25.27
% Hot - 32.56	% Hot - 24.42
% Cold - 49.42	% Cold - 50.21

WWR East - 0.3	WWR East - 0.2
WWR South - 0.0	WWR South - 0.5

Wall R Value - 5.5	Wall R Value - 34.4
Roof R Value - 9.2	Roof R Value - 34.4

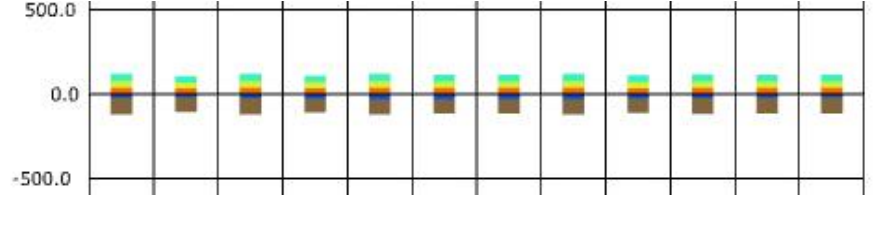
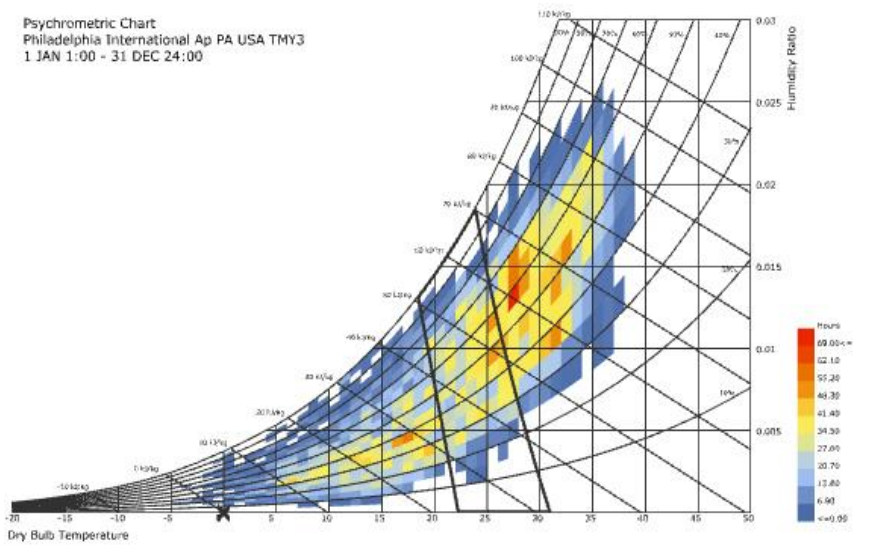
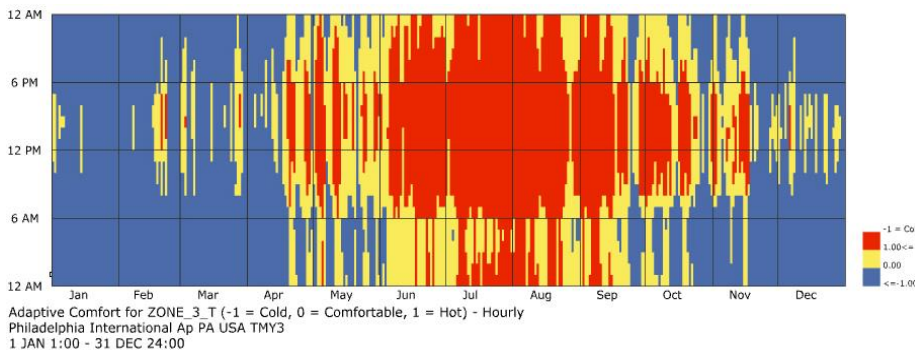
No Blinds	Blinds Specifications Depth - 0.4m Number of Blinds - 4
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Common

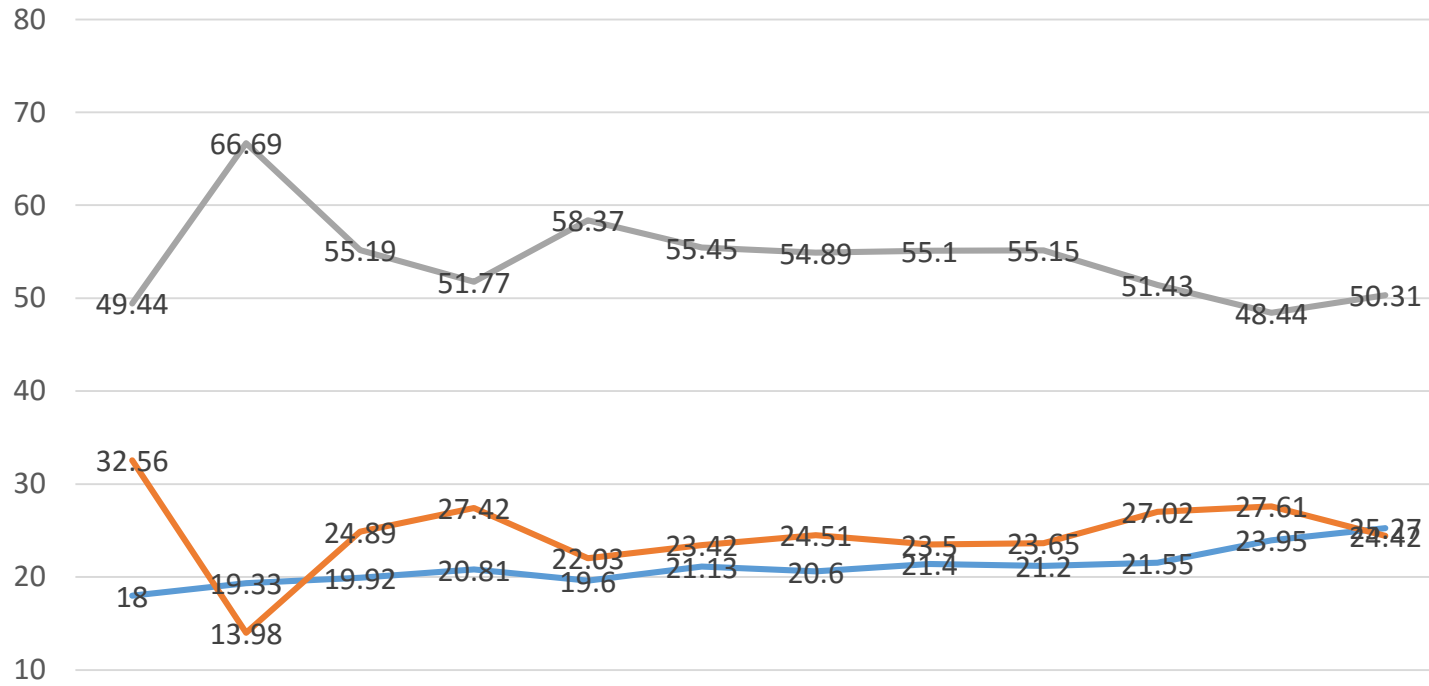
Sill Height - 0.6m	Not effected by any change
Window Height - 1.5m	

Number of Windows on East - 2	Any change decreases the comfort percentage
8 inch Thick Concrete Roof	
Orientation	

Improved Conditions



% Comfortable, hot & cold comparison



	0	1	2	3	4	5	6	7	8	9	10	11
% Comfortable	18	19.33	19.92	20.81	19.6	21.13	20.6	21.4	21.2	21.55	23.95	25.27
% Hot	32.56	13.98	24.89	27.42	22.03	23.42	24.51	23.5	23.65	27.02	27.61	24.42
% Cold	49.44	66.69	55.19	51.77	58.37	55.45	54.89	55.1	55.15	51.43	48.44	50.31

Existing

Final Improved

Case	% Comfortable	Specifications
0 (Existing)	18	% Comfortable - 18.00 % Hot - 32.56 % Cold - 49.42 WWR East - 0.3 WWR South - 0.0 Wall R Value - 5.5 Roof R Value - 9.2 No Blinds Sill Height - 0.6m Window Height - 1.5m Number of Windows on East - 2 8 inch Thick Concrete Roof Orientation
1	19.33	Case0 + South WWR-0.5, East WWR-0.2
2	19.92	Case1 + Blinds (3, 0.5m in depth)
3	20.81	Case2 + 2 windows on East
4	19.6	Case2 + No window breakup
5	21.13	Case3 + Blinds-4
6	20.6	Case3 + Blinds-5
7	21.4	Case5 + Blind depth-0.4m
8	21.2	Case5 + Blind depth-0.3m
9	21.55	Case7 + Wall R Value-7.2
10	23.95	Case7 + Wall R Value-34.4
11	25.27	Case10 + Roof R Value-34.4