		Metric			Imperial		
Parameter	Proposed Case	Standard Case (KSECBC)	Units	Notes	Proposed (for eQUEST)	Baseline (for eQUEST)	Units
Roof							
Construction	Construction proposed or as per site condition	Construction should achived in correspodance to U value mentioned in Code					
				24 Hr use building. Standard case from ECBC 2017 Table 4-4. Proposed case			
U value	3.440868	1.5	W/m2 K	calculated in software	0.606	0.264	Btu/hr-ft2-F
Roof reflectivity	0.45	0.3		default value (ECBC 2017)			
Roof Abosptance (for eQUEST)	0.55	0.7		1 minus reflectance			
Wall							
Construction	Construction proposed or as per site condition	correspodance to U value mentioned in Code					
U value	1.147	2	W/m2 K	Daytime 24Hr building. Standard case from ECBC 2017 Table 4-7. Existing case calculated in software	0.202	0.352	Btu/hr-ft2-F
Window to Wall Ratio (From LV-D report)	35.66%	40.00%		Maximum allowable WWR is 40% for Standard case. So for standard case, the WWR for Existing case should be calculated as per condition or keep same as proposed case			
Wall Glazing							
SHGC	0.76	0.27		Standard Case as per ECBC 2017 Tab;le 4-10Proposed case details provided by Glass manufacturer			
U Value (Conductance)	3.86104	5.7	W/m2 K	Proposed case details provided by Glass manufacturer	0.680	1.004	Btu/hr-ft2-F
Frame width	1in	1in		For standard case no shading to be			
Shading Depth	2ft	0		provided			
Skylights							
SHGC SC (for eQUEST) U Value (Conductance)	0.76	0.35 0.41 4.25		Standard Case as per ECBC 2017 Tab;le 4-15 .Proposed case details provided by Glass manufacturer	0.068	0.749	Btu/hr-ft2-F
Lighting Categorization							
Procedure	Building Area method	Building Area method		Ashare 90.1 (For residenence Take 5.			
Lighting Power Density Allowance for Occupancy sensors?	4.3 Yes, for office ares	Yes, for office ares	W/m2	w/m2.Proposed case LPD can be calculated or is to be given by Electrical consultant As per 8.2.1.1, reduce LPD by 10% if allowance is to be given	0.40	0.46	W/ft2
Daylight sensors?	Yes for skylight	Yes for skylight		As per 8.2.1.3, required if daylighted area >25m2			
Equipment Power Density	2.5	2.5	W/m2		1.00	1.00	W/ft2
HVAC System Type	PSZ	PSZ 1.1E					
Heat Sizing Ratio	, 1	1.15		As per NBC or ASHRAF 62.1 for			
Fresh Air System COP	Refer HVAC System Sheet	5 Refer HVAC System Sheet	cfm/person	baseline and proposed is given by the HVAC consultant			
Supply Fan Power	Refer HVAC System Sheet	Refer HVAC System Sheet	kW/cfm	We will refer to national ECBC -2017			
		Rotate the North by 90, 180, 270 deg & take average energy consumption of all 4 cases as baseline					
Temp set point cool point (occupied) heat point(occupied)	24 -E	-6	°C		75.2 20	75.2 20	
cool point (unoccupied) heat point(unoccupied)	60 -6	60 -6			140 21.2	140 21.2	
					73.4	73.4	
					53.4	53.4	

AS FOR RESIDENTIAL EPI CALCULATION INPUT VALUES ARE BEEN TAKEN FROM ECBC 2017 24 HR BUILDING