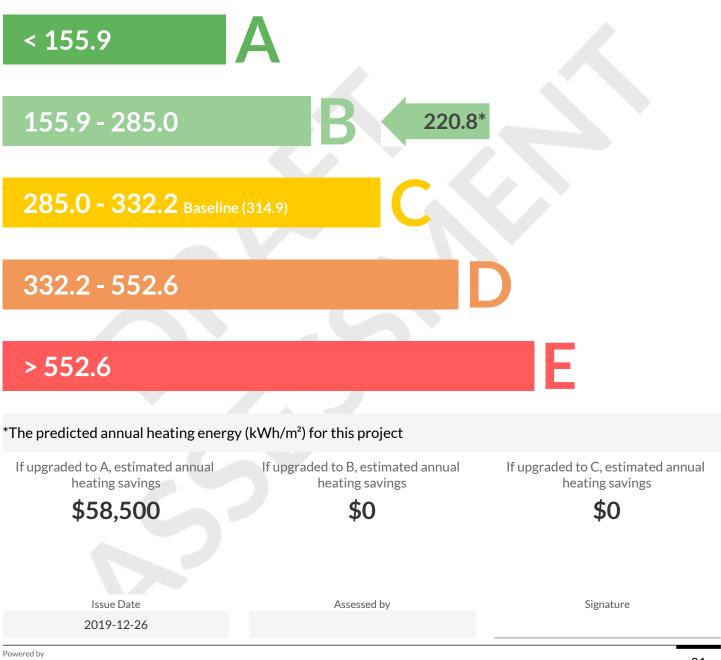


• <u> </u>		is provided the rating of			
	Gandan dormitory				
	Bayangol District, Khoroo 16, Ulaanbaatar	B			
No image uploaded	Total floor area: 4,043 m ²				

PREDICTED ANNUAL HEATING ENERGY (kWh/m²)





Gandan dormitory

Energy Efficiency Measures		Unit	Less Efficient		Baseline			Very Efficier		
Window to Wall Ratio	15	%	>	>	>	>	>	>	>	
			100%	75%	50%	25%	23%	22%	20%	
Roof Insulation	0.11	U-value (W/m².K)	>	>	>	>	>	>	0.11	
			3.00	2.06	1.11	0.17	0.15	0.12	0.10	
Wall Insulation		U-value (W/m².K)	>	>	>	>	>	0.20		
		(**/111.13)	2.00	1.43	0.85	0.28	0.22	0.16	0.10	
Glass Insulation	2.50 U-value	U-value (W/m².K)	>	>	>	2.50				
		(**/111.13)	5.90	4.77	3.63	2.50	1.70	0.90	0.10	
Glass SHGC	0.50	Factor	>	>	>	0.50				
			0.85	0.73	0.62	0.50	0.45	0.40	0.35	
Cooling Efficiency	2.66	COP	>	>	>	2.66				
			1.00	1.55	2.11	2.66	4.11	5.55	7.00	
Heating Efficiency	266	%	>	>	>	>	>	>	2.66	
- <i>'</i>			50%	66%	82%	98%	165%	233%	300%	
nergy Efficient Lighting		V	None		In Some Spaces In Interior Spaces			In Most Spaces In Exterior Spaces		
Automatic Lighting Controls			None	Circulation Meeting 8		Bathrooms Open Offices				
lot Water Efficiency			None	High Efficieny Heating System		% HW demand met by Solar Heate				
Solar Photovoltaics		% of Electric								
	0	Demand		15%	30%	45%	60%	75%	90%	
mprovement Opportuni	ties									
Assessor's Comments										
ENERGY BASELINE		IMPROVED CASE			ENERGY SAVINGS			OPERATIONAL CO ₂ SAVINGS		
380296.0 kWh/Month		301883.0 kWh/N	lonth		21.9 %		34	18.0 tCO ₂ /Yea	ar	
Issue Date		Λετοσ			sed by			Signature		
15540 2400										

