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Exhibit E – Reference Building (RB) Modeling Information

Following ANSI/ASHRAE/IESNA 90.1 "Energy Standard for Buildings Except Low-Rise Residential Buildings" as modified by Supplementary Standard SB-10 Division 3 revised June 27, 2011

1)	Build	ing Envelope Details (ASHRAE 90.1-2010 Section 5.5 and OBC 2006 Supplen	nentary Standard SB-10 Division 3)
	a)	Compliance Path Selected:	
		Prescriptive Path (OBC Supplementary Standard - SB5.5)	
	b)	Opaque Elements	
		What Building Envelope Requirements Table was used? (SB5.5-?) Note: Where electric space heating is used, the building envelope shall comply with the requirements of Table SB5.5-7 of this Supplementary Standard, regardless of its climatic location. What Building Type was selected?	
		What U-value was used for Roofs?	
		What U-value was used for Walls, Above Grade?	
		What U-value was used for Walls, Below Grade?	
		What U-value was used for Floors?	
		What U-value was used for Slab on Grade Floors?	
		What U-value was used for Opaque Doors?	
	c)	Fenestration	
		What is the percentage of wall area is modelled for Fenestration? Note: Vertical Fenestration may be modeled between 0-40% of wall area	
		What U-value was used for vertical fenestration?	
		What SHGC was used for vertical fenestration?	
		What is the percentage of roof area is modelled for Skylights? Note: Skylights may be modeled between 0-5% of roof area	

IAP HPNC Page 1 of 4

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What type of Skylight is modeled?	
What U-value was used for Skylights?	
What SHGC was used for Skylights?	

IAP HPNC Page 2 of 4

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3)	Light	ing System (ASHRAE 90.1-2010 Section 9)	
	a)	Compliance Path Selected:	
		Building Area Method (Section 9.5) <i>or</i>	
		Space-by-space Method (Section 9.6)	
	b)	If 9.5	
		Table 9.5.1 was used for Interior Lighting (Y/N) If "Y", please provide the Lighting Power Density and Building Area Type used for the RB	
		If 9.6	
		Table 9.6.1 was used for Interior Lighting (Y/N) If "Y", please provide the list of Spaces, the Lighting Power Density for each space, the Area Factor for each space, and the Lighting Power Allowance for each space. Attached? (Y/N)	
4)		Heating, Ventilating and Air-Conditioning Systems (ASHRAE 90.1-2010 Section 6.5) Following Section 11 - Energy Cost Budget Method	
	a)	What Budget System Type was selected?	
	b)	Table 6.8.1 A to 6.8.1 G were used to determine RB HVAC equipment efficiencies (Y/N)	
		If "Y", please provide a list of HVAC equipment and the efficiency specified in the energy model for the RB. Attached? (Y/N)	
	Nota	. The equipment efficiencies used in the DD from ASUDAT OO 1 2010 must see	mply with Article 1 1 1 4 of ODC

Note: The equipment efficiencies used in the RB from ASHRAE 90.1-2010 must comply with Article 1.1.1.4 of OBC 2006 Supplementary Standard SB-10 where test procedure must be compliant with Ontario Regulation.

IAP HPNC Page 3 of 4

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5)	Service Water Heating Systems (ASHRAE 90.1-2010 Section 7.5) Following Section 11 - Energy Cost Budget Method			
	a)	Table 7.8 was used to determine RB SWH equipment efficiencies? (Y/N)		
		If "Y", please provide the list of SWH equipment and the efficiency specified in the energy model for the RB. Attached? (Y/N)		

Note: The equipment efficiencies used in the RB from ASHRAE 90.1-2010 must comply with Article 1.1.1.5 of OBC 2006 Supplementary Standard SB-10 where test procedure must be compliant with Ontario Regulation.

IAP HPNC Page 4 of 4