FORM J1$_{AE}$ • ABRIDGED VERSION of MANUAL J, 8TH EDITIOI

Project	Church Building			**Location**	Canada			
Indoor Design Heating db	70	**Outdoor 99% db**	-23		**HTD**	93		
Indoor Design Cooling db	75	**Outdoor 1% db**			**CTD**	-75		
Indoor Design Cooling RH	50%	**Grains Difference**			**Daily Range**	Medium		
Latitude		**Elevation**	1179		**ACF**	0.970		**Block Load**

			Glass Direction		Construction Detail	Heating HTM	Cooling HTM	Net Area	Heating BTUH	Cooling BTUH
6A	Windows & Glass Doors				Double pane window, fixed sash, wood	52.08	#N/A	400	20832	#N/A
6B	Skylights									
7	Wood & Metal Doors	a			11N, Metal, Polyurethane Core	26.97	6.09	128	3452	780
		b								
		c								
8	Above Grade Walls	a			13E,Block,R-5 Board,R-19 Cavity, Any Exterior	4.65	0.28	7600	35340	2128
		b								
		c								
		d								
		e								
	Partition Walls	f								
		g								
9	Below Grade Walls	a								
		b								
10	Ceilings	a			18A-38, Plywood deck on wood joists, R-38, dark asphalt shingles	2.70		10000	26970	
		b								
		c								
	Partition Ceilings	d								
		e								
11	Passive Floors	a			19A-19p			10000		
		b								
	Exposed Floors	c								
	Slab (Perimeter Ft.)	d								
	Basement Floor	e								
	Partition Floors	f								
		g								

12	Infiltration	Envelope Leakage	Average	Heated & Cooled Floor Area = Sq. Ft.	10000	Above Grade = Cu. Ft.				
		No. of Fireplaces								
13	Internal Gains			Number of Bedrooms	3		Occupants	4		#VALUE!
			Appliance - 1200 BTUH							#VALUE!
14	Sub Totals								86594	#N/A
15	Duct Loss & Gain		7E-T&B SA in Attic, RA Riser in Floor to Ceiling Chase, Perimeter Supply Outlets						128298	#N/A
			R-Value = 6	Leakage Class .12/.24		1.482 ☑	0.896 ☑			
			Installed Square Feet of Surface or Default = 1		Supply	1	Return	1		
16	Ventilation	Combustion Air From Conditioned Space		☐ Furnace ☐ Water Heater		None				
19	Blower Heat Gain		Manufacturer's performance data has no blower heat discount							1707
20	Total Sensible Loss or Gain								214892	#N/A

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Latent Infiltration load for cooling				
Latent load for occupants				800
Latent load for plants	Small	Medium	Large	
Latent load for duct in unconditioned space				13361
Latent ventilation load for cooling				
Total Latent Gain				14161