heatloss HEAT LOSS CALCULATION WORKSHEET P12b
06/29/16 90 deg. Design Temp. Diff. Design based on 180° water temp. at 3 GPM

SERIAL #:

ROOM:		A			B			C			D			E			F			G			H			I		
		bath 1			MUD ROOM						KIT/DIN.			LIVING RM			BEDROOM 1			BED 2			BATH 2			HALL 2		
# Exposed Walls		2			1						2			2			2			2			1			0		
# Exposures		1			1						2			1			1			2			1			0		
		H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W
Room Dimensions		8	5	12.2	8	8.8	3.5				8	19.9	12.3	8	16.4	12.6	8	12.8	12.3	8	19	12.8	8	8.3	5.3	8	6.9	3.7
Room Special Length																												
Exposed Walls (lf)		17.2			8.8			0			32.2			29			25.1			31.8			8.3			0		
Gross Wall (sf)		137.6			70.4			0			257.6			232			200.8			254.4			66.4			0		
			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH	
			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd	
Window	0.35	6.9	217.4			0			0		25.68	808.9		32.18	1014		32.18	1014		33.15	1044		9.104	286.8			0	
Door	0.16		0		22.06	317.6			0			0		22.06	317.6			0			0			0			0	
Sliding Glass Dr.	0.34		0			0			0		40.54	1241			0			0			0			0			0	
Net Wall	0.058	130.7	682.3		48.34	252.4		0	0		191.4	999		177.8	927.9		168.6	880.2		221.2	1155		57.3	299.1		0	0	
0, but if 2 story,1 or 2		1			1			0			1			1			1			2			2			2		
Ceiling	0.0423	61	0		30.8	0		0	0		244.8	0		206.6	0		157.4	0		243.2	925.9		43.99	167.5		25.53	97.19	
Floor	0.0432	61	237.2		30.8	119.8		0	0		244.8	951.7		206.6	803.4		157.4	612.1		243.2	0		43.99	0		25.53	0	
		cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.		
Infiltration 0	0.006		0			0		0	0			0			0			0			0			0		204.2	110.3	
Infiltration 1	0.012	488	527		246.4	266.1			0			0		1653	1785		1260	1360			0		351.9	380.1			0	
Infiltration 2	0.018		0			0			0		1958	3172			0			0		1946	3152			0			0	
Infiltration 3	0.027		0			0			0			0			0			0			0			0			0	
Total BTUH			1664			955.8			0			7172			4848			3866			6277			1133			207.5	
0 but if bath=1(+20%)		1	1997		1	1147		0	0			7172		0	4848		0	3866		0	6277		1	1360		0	207.5	
Elec.=/3.4149=watts			585			336			0			2100			1420			1132			1838			398			61	
HWBB = /600 = lf			3			2			0			12			8			6			10			2			0	

ROOM:		J			K			L			M			N			O			P			Q			R		
		BED 3																										
# Exposed Walls		2																										
# Exposures		2																										
		H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W	H	L	W
Room Dimensions		8	19	13.11																								
Room Special Length																												
Exposed Walls (lf)		32.11			0			0			0			0			0			0			0			0		
Gross Wall (sf)		256.9			0			0			0			0			0			0			0			0		
			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH			BTUH	
			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd			Req'd	
Window	0.35	16.58	522.1			0			0			0			0			0			0			0			0	
Door	0.16	22	316.8			0			0			0			0			0			0			0			0	
Sliding Glass Dr.	0.34		0			0			0			0			0			0			0			0			0	
Net Wall	0.058	218.3	1140		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
0, but if 2 story,1 or 2		2																										
Ceiling	0.0423	249.1	948.3		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
Floor	0.0432	249.1	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.			cu.ft.		
Infiltration 0	0.006		0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
Infiltration 1	0.012		0			0			0			0			0			0			0			0			0	
Infiltration 2	0.018	1993	3228			0			0			0			0			0			0			0			0	
Infiltration 3	0.027		0			0			0			0			0			0			0			0			0	
Total BTUH			6155			0			0			0			0			0			0			0			0	
0 but if bath=1(+20%)		0	6155		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
Elec.=/3.4149=watts			1802			0			0			0			0			0			0			0			0	
HWBB = /660 = lf			10			0			0			0			0			0			0			0			0	

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State(s) MAINE
Accredited Evaluation and Inspection Agency
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Approved By: Kevin White

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