FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION Residential Whole Building Performance Method A

PROJECT NAME:	BUILDER:			
AND ADDRESS:	_	CLIMATE		
	OFFICE:	ZONE: 1 2 3		
OWNER:	PERMIT NO.:	JURISDICTION NO.:		

	ROJECT NAME: ND ADDRESS:			BUILDER: PERMITTIN	<u> </u>		CLIMATE		
AI	ND ADDRESS.			OFFICE:	G			1 2	3
O۷	WNER:			PERMIT NO.:			JURISDICTION NO).:	
						Ple	ease Type		СК
		ction or addition			1.				
		detached or Mult			2.				
	-		ered by this submi	ssion	3.				
		st case? (yes / no)			4.				
		floor area (sq. ft.)			5.				
		eave overhang (f	i.)		6.	Cingle Do	ft.	o Dono	
7.	Glass type an a. Clear				72	•	ne Double		
		glass ilm or solar screen					_ sq. ft _ sq. ft		
8	Floor type an				' 5.		_ 54.11	sq. it.	
٠.		on-grade (R-value	+ perimeter)		8a.	R=		I. ft.	
		, raised (R-value +							
		ete, raised (R-valu	. ,				,		
9.	Net Wall type	, area and insulat	ion:					·	
	a. Exteri		e block (Insulation R-		9a -1	R=		sq. ft.	
			ame (Insulation R-va		9a-2			•	
			me (Insulation R-value	ne)	9a -3				
		- ,	ulation R-value)		9a -4	R=		sq. ft.	
	h Adiaa		a black (Inculation D	\	ا			a.a. 44	
	b. Adjac		e block (Insulation R-	•	9b-1 9b-2			-	
			ame (Insulation R-val me (Insulation R-valu	,	9b-2 9b-3			•	
			ulation R-value)	u e)	9b-4				
10.	Ceiling type.	area and insulation	•					59. 16.	
		attic (Insulation R			10a.	. R=		sq. ft.	
		e assembly (Insulat	,						
	c. Radia	nt barrier, IRCC or	white roof installed?		10c.			_	
11.	Air distribution	_							
		(Insulation + Loca	tion)				, (c	ond./uncond.)	
		andler (Location)			11b.			ond./uncond.)	
12.	Cooling syste		DTAO		12a.	. Iype: _	TD/COD.		
	(Types: central-s	plit, central-single pkg.	room unit, PTAC., gas, n	one)			ER/COP: /:		
13	Heating syste	em·				_	/•		
	• •		L.P. gas, gas h.p., room	or PTAC, none			P/AFUE:		
14.	Hot water sys		J. J	-, -,			/:		
	(Types: elec., nat	tural gas, solar, L.P. ga	s, none)		14a.	. Type: _			
15.	Hot Water Cr				14b.	. EF:			
		ecovery (HR)			15a.				
		ted Heat Pump(DH	P)		15b.				
	c. Solar				15c.	<u> </u>			
16.	HVAC Credits		T Drogrammahla tharmast	ot .	16				
	•	fan, MZ-Multizone)	T-Programmable thermost	aı,	16.				
17.			As-Built Pts. are less th	an Base Pts	.) 17.				
	a. Total As	s-Built points	b. Total Base poi	ints	17a.	·	17b]
			ons covered by the calcula				pecifications cove		
cor	mpliance with the F	Florida Energy Code.					with the Florida E eted, this building		

PREPARED BY: _____ DATE: _____ I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER AGENT: DATE:

FORM 600A-01

compliance in accordance with Section 553.908, F.S.

NORTH 1 2 3

BUILDING OFFICIAL:	
DATE:	

			ORIENTATION	OVERHANG LENGTH OH (FEET)	GLASS AREA (SQ. FT.)	SINGLE-I SUMMER POINT	MULTIPLIER	OR DOUBLE-F SUMMER POIN	T MULTIPLIER	SUMMER OH FACTOR (from 6A-1)	= AS-BUILT GLASS SUMMER PTS
				On (FEE1)	(34.71.)	CLEAR	TINT ²	CLEAR	TINT ²	(IIOIII 6A-1)	JUNINEK PI
			N			20.36	16.45	19.22	15.78		-
	_		NE E			31.37 44.69	25.94 37.38	28.72 40.22	23.92 33.76		
	一		SE			45.41	38.01	40.22	34.32		
		. 니	S			38.10	31.72	34.50	28.87		
	' 	L 9	SW			42.67	35.65	38.46	32.25		
	''	,	W			40.92	34.13	36.99	30.98		
	1		NW			27.55	22.64	25.46	21.12		
'n			H ¹			79.26	65.61	72.73	60.66		
GLASS											
0		OH LENG	тн								
	OVERHANG I	RATIO = OH HEIG									
	CON	D WEIG	HTED GLASS	BASE							▼ AS-BUILT
GLASS	.18 × FLOO	DR x¦ M∪	JLTIPLIER =	GLASS SUBTOTAL							GLASS SUBTOTAL
	.18		20.04	▼							▼
	OMPONENT		DACE CUMMED	BASE		COMPONE	NT		SUMN	MER	AS-BUILT
	OMPONENT ESCRIPTION	AREA	BASE SUMMER POINT. MULT.	SUMMER POINTS		COMPONE! DESCRIPTION		AREA	x POINT. (6A-2 THE	MULT. 🛓	SUMMER POINTS
	EXTERIOR		1.7								
WALL	ADJACENT		.7								
Š					$\dashv \vdash$						
				▼							▼
S	EXTERIOR		6.1								<u> </u>
DOORS	ADJACENT		2.4		$\dashv \vdash$						
8	/IDO/IOEITI		2.1								
			-	▼						!	▼
(D	UNDER ATTIC		1.73								
Ž	OR SINGLE						_				
	ASSEMBLY					BS/IRCC/white				X	
핅					CEILING VOI		DEV EULIVI &	ACTUAL CEILING	S SQUARE FOO	TAGE.	
CEILING	E	BASE CEILING AREA	EQUALS FLOOR AREA DIR		CEILING, AS-I	BUILT CEILING A	NEA EQUALO				
8	E	BASE CEILING AREA		ECTLY UNDER	CEILING, AS-I	BUILT CEILING A	INLA EQUALO				▼
	SLAB (PERIMETER)	BASE CEILING AREA	-37.0		CEILING, AS-I	BUILT CEILING A	NEA EQUALO				V
	E	BASE CEILING AREA			CEILING, AS-I	BUILT CEILING A	NEA EQUALO				V
FLOOR CEII	SLAB (PERIMETER) RAISED (AREA)		-37.0	▼					ICONDITIONED	SPACE.	V
	SLAB (PERIMETER) RAISED (AREA)		-37.0 -3.99	▼					CONDITIONED	SPACE.	V
FLOOR	SLAB (PERIMETER) RAISED (AREA) FC		-37.0 -3.99 JSE PERIMETER LENGTH	AROUND COND	ITIONED FLOO	OR. FOR RAISED	FLOORS USE		CONDITIONED 10.		·
FLOOR	SLAB (PERIMETER) RAISED (AREA) FO		-37.0 -3.99 JSE PERIMETER LENGTH	AROUND COND	ITIONED FLOO		FLOORS USE				V
FLOOR	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS	OR SLAB ON GRADE I	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US	AROUND COND	ITIONED FLOO	OR. FOR RAISED	FLOORS USE	AREA OVER UN	10.	21	·
FLOOR	SLAB (PERIMETER) RAISED (AREA) FC	OR SLAB ON GRADE I	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US	AROUND COND T E TOTAL FLOOR	ITIONED FLOO	OR. FOR RAISED	FLOORS USE		10.	21	V
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS	OR SLAB ON GRADE I	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base	AROUND COND TOTAL FLOOF BASE	ITIONED FLOO	OR. FOR RAISED ONDITIONED SPA TOTAL COI	FLOORS USE	AREA OVER UN AS-BUILT SU 8-Built As-E	10. MMER POIN	21 TS Iill As-Built	▼ ▼ AS-BUILT
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS TOTAL COMPONE COOLING	OR SLAB ON GRADE I	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer =	AROUND COND TOTAL FLOOF BASE COOLING	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X	FLOORS USE CE. MPONENT A S-Built A DM X	AS-BUILT SU S-Built As-E DSM x AF	MMER POINT Built As-Built As-Built X	Z1 TS wilt As-Built As-CCM	AS-BUILT = COOLING
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS	OR SLAB ON GRADE I	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base	AROUND COND TOTAL FLOOF BASE	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X	FLOORS USE CE. MPONENT S-Built A DM	AS-BUILT SU s-Built As-E DSM x AF AS-20) (6A	MMER POIN Built As-Built X CSM	Z1 TS wilt As-Built As-CCM	▼ ▼ AS-BUILT
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS TOTAL COMPONE COOLING	OR SLAB ON GRADE I	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer =	AROUND COND TOTAL FLOOF BASE COOLING	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X	FLOORS USE CE. MPONENT S-Built A DM	AS-BUILT SU S-Built As-E DSM x AF	MMER POINT Built As-Built As-Built X	Z1 TS wilt As-Built As-CCM	▼ AS-BUILT = COOLING
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS TOTAL COMPONE COOLING	ENT BASE SUMM Base Cooling System Multiplier .43	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer = Points	AROUND COND E TOTAL FLOOP BASE COOLING POINTS	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X M. PTS. (FLOORS USE CE. MPONENT A S-Built A DM x 6A-8) (6	AS-BUILT SU S-Built As-E DSM x AF 6A-20) (6A	MMER POIN: Suilt As-Bu U x CSM (6A-5)	21 TS iilt As-Built As-CCM (6A-19)	AS-BUILT = COOLING COINTS
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS TOTAL COMPONE COOLING SYSTEM	Base Cooling System Multiplier .43	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer = Points	AROUND COND THE TOTAL FLOOR BASE COOLING POINTS BASE	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X M. PTS. (FLOORS USE I.CE. MPONENT S-Built A DM x (6A-8) (6 1.1	AS-BUILT SU S-BUILT SU	MMER POIN: Suilt As-Bu U x CSM (6A-S)	TS iilt As-Built As-Built As-Built As-Built	AS-BUILT = COOLING COINTS
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS TOTAL COMPONE COOLING	ENT BASE SUMM Base Cooling System Multiplier .43 Number of	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer = Points Base x Hot Water = 1	AROUND COND TOTAL FLOOR BASE COOLING POINTS BASE HOT WATER	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X M. PTS. (AS-BUILT HOT WATER	FLOORS USE ICE. MPONENT S-Built A DM x (6A-8) (6 1.1	AS-BUILT SU S-BUILT SU	MMER POIN Suilt As-Bu IU x CSM -7) (6A-S	TS Iiilt As-Built As-Built As-Built HWCM =	AS-BUILT = COOLING COINTS
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS TOTAL COMPONE COOLING SYSTEM	Base Cooling System Multiplier .43	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer = Points Base x Hot Water = Multiplier	AROUND COND THE TOTAL FLOOR BASE COOLING POINTS BASE	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X M. PTS. (FLOORS USE I.CE. MPONENT S-Built A DM x (6A-8) (6 1.1	AS-BUILT SU S-Built As-E DSM x AF 6A-20) (6A 5 or 1.0	MMER POIN Suilt As-Bu IU x CSM -7) (6A-S	TS iilt As-Built As-Built As-Built As-Built	AS-BUILT = COOLING COINTS
INI JAII	SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & FERNAL GAINS TOTAL COMPONE COOLING SYSTEM HOT WATER	ENT BASE SUMM Base Cooling System Multiplier .43 Number of	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer = Points Base x Hot Water = 1	AROUND COND TOTAL FLOOR BASE COOLING POINTS BASE HOT WATER	R AREA OF CO	OR. FOR RAISED ONDITIONED SPA TOTAL COI TOTAL A S-BUILT X M. PTS. (AS-BUILT HOT WATER	FLOORS USE ICE. MPONENT S-Built A DM x (6A-8) (6 1.1	AS-BUILT SU S-BUILT SU	MMER POIN Suilt As-Bu IU x CSM -7) (6A-S	TS Iiilt As-Built As-Built As-Built HWCM =	AS-BUILT = COOLING COINTS

2

6A-1 SUMMER OVERHANG FACTORS (SOF) FOR SINGLE AND DOUBLE PANE GLASS.

	OH Ratio	.0011	.1217	.1826	.2735	.3646	.4757	.5870	.7183	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
▶	North	1.00	0.993	0.971	0.930	0.888	0.842	0.803	0.766	0.736	0.681	0.634	0.593
	Northeast	1.00	0.996	0.967	0.907	0.845	0.775	0.717	0.662	0.619	0.545	0.487	0.441
_ ₩	East	1.00	0.994	0.963	0.898	0.827	0.745	0.675	0.609	0.558	0.470	0.405	0.357
	Southeast	1.00	0.998	0.952	0.864	0.777	0.689	0.623	0.566	0.525	0.459	0.413	0.379
RET	South	1.00	0.989	0.931	0.835	0.751	0.675	0.620	0.575	0.543	0.493	0.458	0.432
B B	Southwest	1.00	0.998	0.953	0.866	0.779	0.691	0.623	0.565	0.522	0.453	0.404	0.368
"	West	1.00	0.994	0.963	0.899	0.828	0.748	0.681	0.617	0.569	0.485	0.422	0.375
	Northwest	1.00	0.996	0.968	0.913	0.858	0.797	0.748	0.702	0.667	0.605	0.556	0.516
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-2 WALL SUMMER POINT MULTIPLIERS (SPM)

OA E HIALL	-2 WALL SOMMER TOTAL MOETH EILRO (SI M)														
		FRAME			CONCRETE E	BLOCK (NORMA	L WT)		FACE B	RICK			LOG	
_		IIVANL				INTERIOR EXT.		R-VALUE	WOOD FR	OD FR R-VALUE BLOCK			200		
	WO	OD	STE	EL	1	INSULATION IN		INSUL.	0-6.9	2.4	0-2.9	1.0		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	.6	3-6.9	.6	R-VALUE	EXT	EXT
0-6.9	5.5	2.2	7.6	2.8	0-2.9	2.2	1.1	2.2	11-18.9	.4	7-9.9	.4	0-2.9	1.5	1.0
7-10.9	2.1	.8	3.5	1.3	3-4.9	1.3	.8	.8	19-25.9	.2	10 & UP	.2	3-6.9	1.0	.7
11-12.9	1.7	.7	2.7	1.0	5-6.9	1.0	.7	.5	26 & Up	.1			7 & Up	.8	.6
13-18.9	1.5	.6	2.5	0.9	7-10.9	.7	.5	.3			-		-		
19-25.9	.9	.4	2.2	0.8	11-18.9	.4	.4	0]						
26& Up	.6	.2	1.2	0.4	19-25.9	.2	.2			NOTE:	SEE SECTION:	2.0 OF APPE	NDIXCFORM	//ULTIPLIEF	RS

26 & Up

NOTE: SEE SECTION 2.0 OF APPENDIX C FOR MULTIPLIERS OF ENVELOPE COMPONENTS NOT ON THIS FORM.

6A-3 DOOR SUMMER POINT MULTIPLIERS (SPM)

DOOR TYPE	EXTERIOR	ADJACENT		
WOOD	6.1	2.4		
INSULATED	4.1	1.6		

6A-4 CEILING SUMMER POINT MULTIPLIERS (SPM)

OTT I GENERAL	A 4 CELENTO COMMERCI CITAL MICE IN ELECTO (CI III)												
UNDER	ATTIC	SINGLE A	SSEMBLY	CON	CONCRETE DECK ROOF								
R-VALUE	SPM	R-VALUE	SPM		CEILIN	3 TYPE							
19-21.9	2.34	10-10.9	8.49	R-VALUE	EXPOSED	DROPPED							
22-25.9	2.11	11-12.9	7.97	10-13.9	9.13	8.47							
26-29.9	1.89	13-18.9	3-18.9 7.14 14-		6.80	6.45							
30-37.9	1.73	19-25.9	5.64	21 & Up	4.92	4.63							
38 & Up	1.52	26-29.9	4.75										
RBS Credit	0.700	30 & Up	4.40										
IRCC Credit	0.849	·		•									
White Roof C	redit 0.550												

6A-5 FLOOR SUMMER POINT MULTIPLIERS (SPM)

SI AD ON	SLAB-0N-GRADE RAISED			*			RAISED	RAISED WOOD			
EDGE INSULATION			CONCRETE				POST OR PIER CONSTRUCTION	STEM WALL w/ UNDER FLOOR INSULATION	ADJACENT		
R-VALUE	SPM		R-VALUE	SPM		R-VALUE	SPM	SPM	SPM		
0-2.9	-41.2		0-2.9	8		0-6.9	2.80	-4.7	2.2		
3-4.9	-37.2		3-4.9	-1.3		7-10.9	1.34	-2.3	.8		
5-6.9	-36.2		5-6.9	-1.3		11-18.9	1.06	-1.9	.7		
7 & Up	-35.7		7 & Up	-1.3		19 & Up	.77	-1.5	.4		

6A-6 INFILTRATION & INTERNAL GAINS (SPM)

Air Infiltration	3.44
Internal Gains	+ 6.77
Infiltration/Internal Gains (Combined)	10.21

6A-7 AIR HANDLER MULTIPLIERS (SPM)

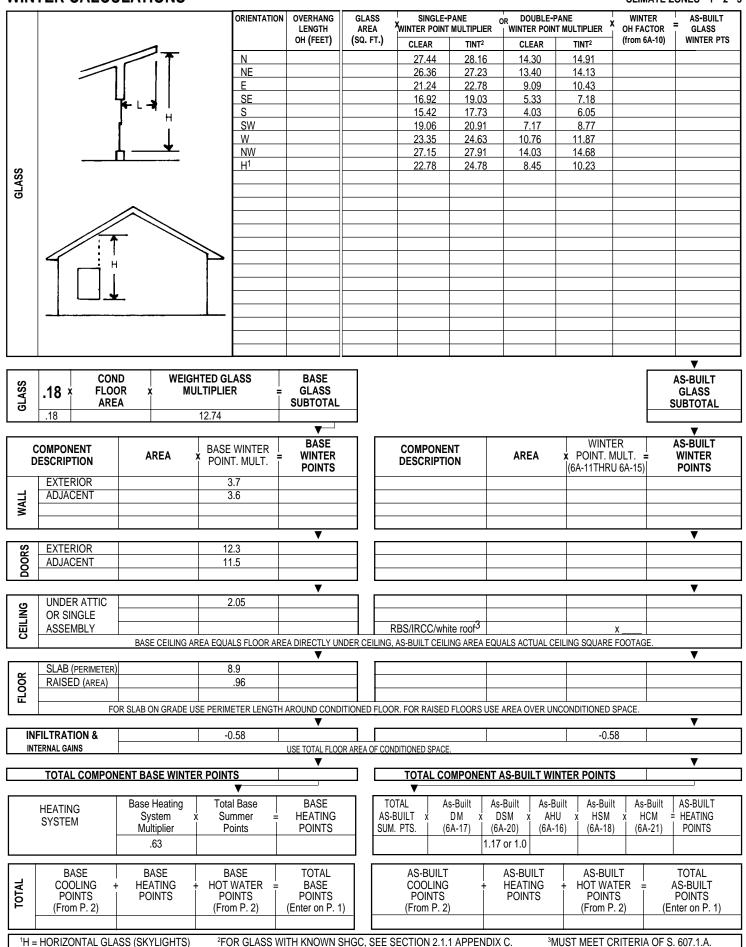
Located in garage	1.00
Located in conditioned area	0.91
Located on exterior of building	1.02
Located in attic	1.11

6A-8 DUCT MULTIPLIERS (DM) See Table 6-10 for Code minimums.

	DUCT		RETURN	DUCTS In	:	
SUPPLY DUCTS IN:	R-Value	Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ White roof	Conditioned space
	4.2	1.118	1.111	1.112	1.089	1.107
Unconditioned Space	6.0	1.090	1.084	1.085	1.066	1.081
	8.0	1.071	1.066	1.067	1.051	1.064
	4.2	1.072	1.066			1.061
Attic/Radiant Barrier (RBS)	6.0	1.056	1.051			1.047
	8.0	1.045	1.041			1.037
	4.2	1.099		1.092		1.084
Attic/Interior Radiation	6.0	1.076		1.071		1.065
Control Coatings (IRCC)	8.0	1.061		1.057		1.052
	4.2	1.068			1.096	1.057
Attic/White Roof	6.0	1.051			1.071	1.043
	8.0	1.040			1.055	1.034
	4.2	1.006	1.005	1.007	1.008	1.000
Conditioned Space	6.0	1.005	1.004	1.005	1.006	1.000
	8.0	1.004	1.003	1.004	1.005	1.000

6A-9 COOLING SYSTEM MULTIPLIERS (CSM)

OA O OOOLING OTOTEIN INO		141)										
SYSTEM TYPE See Table 6-3 f				CO	OLING SYS	TEM MULT	PLIERS (C	SM)				
Central Units (SEER)	Rating		7.5-7.9	8.0-8.4	8.5-8.8	8.9-9.4	9.5-9.9	10.0-10.4	10.5-10.9	11.0-11.4	11.5-11.9	12.0-12.4
	CSM		.45	.43	.40	.38	.36	.34	.32	.31	.30	.28
PTAC & Room Units (EER)	Rating	12.5-12.9	13.0-13.4	13.5-13.9	14.0-14.4	14.5-14.9	15.0-15.4	15.5-15.9	16.0-16.4	16.5-16.9	17.0-17.4	17.5 & Up
	CSM	.27	.26	.25	.24	.24	.23	.22	.21	.21	.20	.19



TINT MULTIPLIERS MAY BE USED FOR GLASS WITH SOLAR SCREENS, FILM, OR TINT

LOG

4.5

2.8

2.1

ADJACENT WPM 10.4 4.4 3.6

6 INCH 8 INCH EXT

EXT

3.0

2.2

1.7

6A-10 WINTER OVERHANG FACTORS (WOF)

	OH Ratio	.0011	.1217	.1826	.2735	.3646	.4757	.5870	.7183	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
	North	1.00	1.000	1.001	1.003	1.005	1.009	1.011	1.014	1.016	1.021	1.024	1.027
	Northeast	1.00	0.998	1.001	1.008	1.015	1.023	1.029	1.035	1.040	1.049	1.056	1.061
l≽l	East	1.00	1.007	1.018	1.040	1.069	1.109	1.150	1.198	1.242	1.338	1.429	1.507
	Southeast	1.00	1.014	1.043	1.111	1.202	1.332	1.472	1.635	1.787	2.113	2.412	2.650
SELECT OR	South	1.00	0.994	1.032	1.142	1.308	1.563	1.845	2.175	2.471	3.042	3.450	3.661
85	Southwest	1.00	1.006	1.025	1.070	1.131	1.217	1.308	1.413	1.508	1.708	1.888	2.031
	West	1.00	1.002	1.010	1.027	1.049	1.077	1.102	1.128	1.149	1.187	1.217	1.238
	Northwest	1.00	0.999	1.000	1.004	1.008	1.012	1.016	1.019	1.022	1.028	1.032	1.036
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-11 WALL WINTER POINT MULTIPLIERS (WPM)

		FRAME			CONCRETE	BLOCK (NORMA	L WT)					
_		FIVAIVIL				INTERI	OR	EXT.	R-VALUE	WOOD FR	R-VALUE	BLOCK	1
	WC	OOD	STE	EL		INSULA	ATION	INSUL.	0-6.9	12.6	0-2.9	7.9	
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	4.2	3-6.9	5.7	R-VALUE
0-6.9	11.1	10.4	15.1	13.1	0-2.9	11.2	6.8	11.2	11-18.9	3.5	7-9.9	3.8	0-2.9
7-10.9	4.4	4.4	7.3	6.6	3-4.9	7.3	5.1	5.6	19-25.9	2.2	10 & UP	3.0	3-6.9
11-12.9	3.7	3.6	5.7	5.2	5-6.9	5.7	4.2	4.3	26 & Up	1.4			7 & Up
13-18.9	3.4	3.3	5.2	4.9	7-10.9	4.6	3.5	3.3					
19-25.9	2.2	2.2	4.6	4.4	11-18.9	3.0	2.6	2.2		NOTE: SEE	SECTION 2.00	OF APPEND	IX C.FOR MUI
26& Up	1.5	1.5	2.7	2.6	19-25.9	1.9	1.7				OPE COMPON		

1.3

1.2

26 & Up

ULTIPLIERS ORM.

6A-12 DOOR WINTER POINT MULTIPLIERS (WPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	12.3	11.5
INSULATED	8.4	8.0

6A-13 CEILING WINTER POINT MULTIPLIERS (WPM)

OA 13 OLILING	, which but the	TI MOLIN LILIX	O (*** 1*1)						
UNDER	UNDER ATTIC		SSEMBLY	CON	CONCRETE DECK ROOF				
R-VALUE	WPM	R-VALUE	WPM		CEILIN	G TYPE			
19-21.9	2.70	10-10.9	2.87	R-VALUE	EXPOSED	DROPPED			
22-25.9	2.45	11-12.9	2.70	10-13.9	3.16	2.91			
26-29.9	2.22	13-18.9	2.40	14-20.9	2.31	2.14			
30-37.9	2.05	19-25.9	1.86	21 & Up	1.47	1.47			
38 & Up	1.81	26-29.9	1.54						
RBS Credit	0.850	30 & Up	1.43						
IRCC Credit	0.912								
White Roof C	Credit 1.044								

6A-14 FLOOR WINTER POINT MULTIPLIERS (WPM)

SLAB-0N-GRADE		PAIG	RAISED			RAISE	RAISED WOOD		
EDGE INSULATION			CONC				POST OR PIER	STEM WALL w/ UNDER	
EDGE INSOLATION			00140	IXLIL			CONSTRUCTION	FLOOR INSULATION	
R-VALUE	WPM		R-VALUE	WPM		R-VALUE	WPM	WPM	
0-2.9	18.8		0-2.9	9.9		0-6.9	5.77	3.5	
3-4.9	9.3		3-4.9	5.1		7-10.9	2.20	1.6	
5-6.9	7.6		5-6.9	3.6		11-18.9	1.55	1.2	
7 & Up	7.0		7 & Up	2.9		19 & Up	0.88	.8	

6A-15 INFILTRATION & INTERNAL GAINS (WPM)

Air Infiltration	2.13
Internal Gains	- 2.72
Infiltration/Internal Gains	-0.58
(Combined)	

6A-16 AIR HANDLER MULTIPLIERS (WPM)

ON TO MINITERED IN MICE THE ENGLISH	\
Located in garage	1.00
Located in conditioned area	0.93
Located on exterior of building	1.07
Located in attic	1.10

6A-17 DUCT MULTIPLIERS (DM) See Table 6-10 for Code minimums.

	DUCT		RETURN	DUCTS Ir) :	
SUPPLY DUCTS IN:	R-Value	Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ White roof	Conditioned space
	4.2	1.093	1.086	1.088	1.089	1.081
Unconditioned Space	6.0	1.069	1.064	1.065	1.066	1.060
	8.0	1.053	1.049	1.051	1.051	1.046
	4.2	1.067	1.059			1.052
Attic/Radiant Barrier (RBS)	6.0	1.051	1.045			1.040
	8.0	1.040	1.036			1.032
	4.2	1.096		1.088		1.077
Attic/Interior Radiation	6.0	1.072		1.066		1.057
Control Coatings (IRCC)	8.0	1.056		1.052		1.045
	4.2	1.104			1.096	1.083
Attic/White Roof	6.0	1.076			1.071	1.061
	8.0	1.059			1.055	1.048
	4.2	1.008	1.007	1.010	1.008	1.000
Conditioned Space	6.0	1.006	1.005	1.007	1.006	1.000
	8.0	1.005	1.004	1.006	1.005	1.000

6A-18 HEATING SYSTEM MULTIPLIERS (HSM)

SYSTEM TYPE See Table:	s 6-6 to 6-8 for code mini	mums	PLIERS (HSM)								
Central Heat	HSPF	6.40-6.79	6.80-6.89	6.90-7.39	7.40-7.89	7.90-8.39	8.40-8.89	8.9-9.39	9.4-9.89		
Pump Units	HSM	.53	.50	.49	.46	.43	.41	.38	.36		
	HSPF	9.90-10.39	10.40-10.89	10.90-11.39	11.40-11.89	11.90-12.39	12.40 & up				
	HSM	.34	.33	.31	.30	.29	.28				
PTHP	COP	2.50-2.69	2.70-2.89	2.90-3.09	3.10-3.29	3.30-3.49	3.50-3.69	3.70-3.89	3.90-4.19		
	HSM	.40	.37	.34	.32	.30	.29	.27	.26		
Electric Strip & Gas		1.0 (for gas credit multipliers, see Table 6A-21)									

6A-19 COOLING CREDIT MULTIPLIERS (CCM)

SYSTEM TYPE	Cooling credit multipliers (CCM)
Ceiling Fans	.95*
Cross Ventilation	.95*
Whole House Fan	.95*
Multizone	.95
Programmable Thermostat	.95

^{*}Credit may be taken for only one system type concurrently.

6A-20 AIR DISTRIBUTION SYSTEM CREDIT MULTIPLIERS

TYPE CREDIT	Prescriptive requirements	Multiplier
Airtight Duct credit ¹	610.1.A.1	1.00
Factory-sealed AHU credit ²	610.2.A.2.1	0.95

¹ Duct Sealing Multiplier (DSM) shall be 1.15 (summer) or 1.17 (winter) unless Airtight Duct credit is demonstrated by test report.

6A-21 HEATING CREDIT MULTIPLIERS (HCM)

SYSTEM TYPE		HEATING CR	EDIT MULTIPLIERS	(HCM)			
Programmable Thermostat	HCM	.95					
Multizone	HCM	.95					
Natural Gas	AFUE	.6872	.7377	.7882	.8387	.8892	.93 & Up
Ivalulai Gas	HCM	.59	.55	.51	.48	.45	.43
LP Gas	HCM	.79	.74	.69	.65	.61	.58

6A-22 HOT WATER MULTIPLIERS (HWM)

SYSTEM TYPE See Table 6-12 for Code minimums		HOT WATER MULTIPLIERS (HWM)										
Electric Resistance	EF				.8081	.8283	.8485	.8687	.8890	.9193	.9496	.97 & Up
Liectric Resistance	HWM				3020	2946	2876	2809	2746	2655	2571	2491
Natural Gas	EF	.4347	.4849	.5051	.5253	.5455	.5657	.5859	.6061	.6263	.6465	.66 & Up
	HWM	2231	1998	1918	1844	1776	1713	1654	1599	1547	1498	1453
LP Gas	HWM	3029	2713	2605	2505	2411	2326	2245	2171	2101	2035	1973
Ded. HP or Solar	EF	1.0-1.49	1.5-1.99	2.0-2.49	2.5-2.99	3.0-3.49	3.5-3.99	4.0-4.49	4.5-4.99	5.0-Up		
System with Tank	HWM	2416	1611	1208	966	805	690	604	537	483		

6A-23 HOT WATER CREDIT MULTIPLIERS (HWCM)

SYSTEM TYPE	HOT WATER CREDIT MULTIPLIERS (HWCM)								
Heat Recovery Unit	With	Air Cond	ditioner	Heat Pump					
Treat Receivery Gritt	HWCM	.84	1	.78					
Add-on Dedicated Heat Pump (without tank)	EF	2.0-2.49	2.5-2.99	3.0-3.49		3.5 & Up			
	HWCM	.44	.35	.29		.25			
Add-on Solar Water Heater (without tank)	EF	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	5.0 & Up			
	HWCM	.84	.42	.28	.21	.17			

NOTE: A HWM must be used in conjunction with all HWCM. See Table 6A-22. EF Means Energy Factor.

6A-24 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Max: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls & floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Seal: Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with <2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-25 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 minimum insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

²Multiply Factory-sealed AHU credit by summer (Table 6A-7) or winter (Table 6A-16) AHU multiplier. Insert total in the "AS-Built AHU" box on page 2 or 4.