FORM 600A-01

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

CENTRAL 4 5 6

PROJECT NAME:	BUILDER:			1		
AND ADDRESS:		i		CLIMATE		
	OFFICE:			ZONE:	4 5	6
OWNER:	PERMIT NO.:			JURISDICTION	I NO.:	
					<u> </u>	СК
1 Now construction or addition		1		ease Type		
1. New construction or addition 2. Single family detached or Multifamily attached		1.				
2. Single family detached or Multifamily attached	ission	2. 3.				
 If Multifamily—No. of units covered by this subm Is this a worst case? (yes / no) 	19910[]	3. 4.				
 5. Conditioned floor area (sq. ft.) 		4. 5.	<u> </u>			
6. Predominant eave overhang (ft.)		6.		<i>.</i>		
7. Glass type and area:		0.	Single Par	n. ne Doi	ible Pane	
a. Clear glass		7a	-		sq. ft.	
b. Tint, film or solar screen					sq. ft.	
8. Floor type and insulation:				_ 04.10	0q. 10	
a. Slab-on-grade (R-value + perimeter)		8a.	R=	,	I. ft.	
b. Wood, raised (R-value + sq. ft.)				,		
c. Concrete, raised (R-value)				,		
9. Net Wall type, area and insulation:					·	
a. Exterior: 1. Concrete block (Insulation R	R-value)	9a -1	R=		sq. ft.	
2. Wood frame (Insulation R-va		9a- 2				
3. Steel frame (Insulation R-va	lue)	9a- 3	B R=			
4. Log (Insulation R-value)		9a -4	R=		sq. ft.	
5. Other:						
b. Adjacent: 1. Concrete block (Insulation R	,	9b- 1				
2. Wood frame (Insulation R-va		9 b-2				
3. Steel frame (Insulation R-va	lue)	9b -3				
4. Log (Insulation R-value)		9b -4	4 R=		sq. ft.	
10. Ceiling type, area and insulation:			-			
a. Under attic (Insulation R-value)						
b. Single assembly (Insulation R-value)						
c. Radiant barrier, IRCC, white roof installed?		10c.	•			
11. Air distribution system:		110	D_			
a. Ducts (Insulation + Location)		11a.		,		
b. Air Handler (Location)12. Cooling system:						
(Types: central-split, central-single pkg., room unit, PTAC., gas,	none)	12d.	SEER/EF	R/COP:		
(ישרים, נישרים, גיבוונים, גיבוונים, אונים, גיבוונים,				/:		
13. Heating system:		132	Type	•		
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room	or PTAC. none)			P/AFUE:		
14. Hot water system:				/:		
(Types: elec., natural gas, solar, L.P. gas, none)						
15. Hot Water Credits:						
a. Heat Recovery (HR)		15a.				
b. Dedicated Heat Pump(DHP)		15b.				
c. Solar		15c.	·			
16. HVAC Credits						
(Use: CF-Ceiling Fan, CV-Cross vent, PT-Programmable thermos	16.					
HF-Whole house fan, MZ-Multizone)						
17. COMPLIANCE STATUS: (PASS if As-Built Pts. are less t	han Base Pts.)	17.				
a. Total As-Built points b. Total Base po	oints	17a.		17b.		<u> </u>
I hereby certify that the plans and specifications covered by the calcul compliance with the Florida Energy Code.	ind	dicates	compliance v	with the Floric	overed by this c la Energy Code	e. Before
PREPARED BY: DATE:	CO	nstructi mpliance	on is comple in accordanc	eted, this build e with Section &	ling will be insp 553.908, F.S.	ected for
I hereby certify that this building, as designed, is in compliance with the Florida	E O I	•				
OWNER AGENT: DATE:		TE:				

SUMMER CALCULATIONS

CLIMATE ZONES 4 5 6

			ORIENTATION	OVERHANG LENGTH	GLASS AREA	SINGLE-	PANE T miji tipi ifr	OR DOUBLE-	PANE	X SUMMER OH FACTOR	AS-BUILT GLASS
				OH (FEET)	(SQ. FT.)	CLEAR	TINT2	CLEAR	TINT2	(from 6A-1)	SUMMER PTS
			N			27.96	22.93	25.65	21.22		
			NE			43.65	36.42	39.16	32.78		
		\leq	E			59.31	49.89	52.66	44.33		
	↑		SE			56.64	47.60	50.35	42.37		
			S			44.66	37.29	39.98	33.49		
	Н Г	- 1	SW			52.82	44.31	47.07	39.55		
	l 1	h	W			53.48	44.87	47.65	40.50		
	J		NW			37.74	31.34	34.10	28.45		
S		<u> </u>	H ¹			102.51	85.02	93.50	78.03		
GLASS											_
J											
	OVERHANG	RATIO = OH LENGT									
	0.1	RATIO = OH HEIGH	Τ								
											▼
6	CON		TED GLASS	BASE							AS-BUILT
GLASS	.18 × FLO		_TIPLIER =	GLASS							GLASS
6	ARE			SUBTOTAL							SUBTOTAL
	.18		25.99								
		1		▼							V
l c	OMPONENT		BASESUMMER	BASE		COMPONE	NT		SUM		AS-BUILT
	ESCRIPTION	AREA x	POINT.MULT.	SUMMER		DESCRIPTI		AREA	X POINT.		SUMMER
			4.0	POINTS					(6A-2THR	(U6A-6)	POINTS
	EXTERIOR		<u>1.9</u> .7								
WALL	ADJACENT		./								
5											
				V							•
S	EXTERIOR		4.8	•							•
DOORS	ADJACENT		1.6		\neg						
8			-								
			•	•							▼
6	UNDER ATTIC		2.13								
Ĭ	OR SINGLE										
CEILING	ASSEMBLY					RBS/IRCC/white				X	
0		BASE CEILING AREA	EQUALS FLOOR AREA D		R CEILING, A	S-BUILT CEILING	AREA EQUALS	S ACTUAL CEILI	NG SQUARE FC	OTAGE.	
				▼			i				▼
~	SLAB (PERIMETER)		-31.8		\dashv						
FLOOR	RAISED (AREA)		-3.43		_						
		-OR SLAB ON GRADE U	SE PERIMETER LENGTH		THONED FL	OUR. FUR RAISE	D FLOORS USI	E AREA OVER L	INCONDITIONEL	J SPACE.	
		1	44.04	▼					44	04	▼
	FILTRATION & TERNAL GAINS		14.31			CONDITIONED SE			14.	31	
			0.		N ANEA OF	CONDITIONED SI	AUL.				V
	TOTAL COMPON	ENT BASE SUMME		•					MMER POINT	re l	V
L	TOTAL CONFON	LIT DAGE SUWIWE						10-DUILT 30		0]
	00011110	Base Cooling	Total Base	BASE	-		s-Built As	-Built As-E	Built As-Bu	ilt As-Built	AS-BUILT
	COOLING	System x	•	COOLING		S-BUILT x		SM x AF			= COOLING
1	SYSTEM	Multiplier	Points	POINTS		1		A-20) (6A			POINTS
1		.43		•	\neg \vdash			5 or 1.0		, (
L							1.10				
		NL	D	D405			KL . I		D:!!	A - D: '''	
1	HOT	Number	Base	BASE		AS-BUILT	Number	As-I		As-Built	AS-BUILT
1	WATER	of x	1	HOT WATER		HOT WATER	of	× HV			
1	SYSTEM	bedrooms	Multiplier	POINTS	\dashv \vdash	SYSTEM DESC.	bedrooms	6A (6A	-22)	(6A-23)	POINTS
			2564								
${}^{1}H = H0$	ORIZONTAL GLAS	S (SKYLIGHTS)	² FOR GLASS WITH TINT MULTIPLIERS							CRITERIA OF	S. 607.1.A.

SUMMER POINT MULTIPLIERS (SPM)

CLIMATE ZONES 4 5 6

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	0.992	0.971	0.931	0.891	0.848	0.811	0.776	0.748	0.695	0.651	0.611
	Northeast	1.00	0.995	0.966	0.908	0.846	0.777	0.777 0.719 0.66		0.623	0.549	0.491	0.445
β	East	1.00	0.993	0.964	0.903	0.835	0.755	5 0.687 0.622		0.571	0.482	0.414	0.463
	Southeast	1.00	0.999	0.956	0.871	0.786	0.786 0.700 0.		0.580	0.540	0.478	0.436	0.407
OR_	South	1.00	0.988	0.935	0.849	0.776	0.708	0.659 0.		0.588	0.539	0.503	0.475
	Southwest	1.00	0.997	0.956	0.874	0.793	0.709	0.645	0.588	0.547	0.479	0.431	0.396
	West	1.00	0.994	0.964	0.902	0.902 0.834 0.757 0.911 0.857 0.798		0.691	0.630	0.582 0.500	0.438	0.391	
	Northwest	1.00	0.995	0.966	0.911			0.751	0.708	0.674	0.616	0.570	0.532
	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)

		FRAME			CONCRETE E	BLOCK (NORMAI	_WT)		FACEB	RICK			LOG	
		FRAME				INTERIOR EXT.			R-VALUE	WOOD FR	R-VALUE	BLOCK		LUG	
	WO	OD	STE	EL		INSULATION		INSUL.	0-6.9	2.9	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	6.4	2.2	8.9	2.9	0-2.9	2.5	.9	2.5	11-18.9	.4	7-9.9	.4	0-2.9	1.7	1.0
7-10.9	2.3	.8	4.1	1.3	3-4.9	1.4	.7	.7	19-25.9	.2	10 & UP	.2	3-6.9	1.1	.8
11-12.9	1.9	.7	3.0	1.0	5-6.9	1.0	.6	.3	26 & Up	.1			7 & Up	.8	.7
13-18.9	1.7	.6	2.8	0.9	7-10.9	.8	.4	.1							
19-25.9	1.0	.3	2.4	0.8	11-18.9	.4	.3	0							
26& Up	.6	.2	1.3	0.4	19-25.9 .2 .2 NOTE: SEE SECTION 2.0 OF APPENDIX C FOR MULTI						MULTIPLIE	RS			
			26 & Up	.1	.1			OF EN	VELOPE COM	PONENTS N	NOT ON THIS	S FORM.			

6A-3 DOOR SUMMER POINT MULTIPLIERS (SPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	7.2	2.4
INSULATED	4.8	1.6

6A-4 CEILING SUMMER POINT MULTIPLIERS (SPM)

UNDER	ATTIC	SINGLE A	SSEMBLY	CON	CRETE DECK R	ROOF							
R-VALUE	SPM	R-VALUE	SPM		CEILING								
19-21.9	2.82	10-10.9	10.27	R-VALUE	EXPOSED	DROPPED							
22-25.9	2.55	11-12.9	9.73	10-13.9	11.13	10.40							
26-29.9	2.28	13-18.9	8.72	14-20.9	8.42	7.99							
30-37.9	2.13	19-25.9	6.90	21 & Up	5.99	5.76							
38 & Up	1.84	26-29.9	5.82										
RBS Credit	0.700	30 & Up	5.40										
IRCC Credit	0.864			-									
White Roof C	redit 0.550]											

6A-5 FLOOR SUMMER POINT MULTIPLIERS (SPM)

SLAB-0N	CRADE		RAIS	ED	RAISED WOOD					
EDGE INS	SULATION 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	-31.9		0-2.9	-1.0	1	0-6.9	4.50	-5.8	5.3	
3-4.9	-31.8		3-4.9	-1.7	1	7-10.9	2.28	-2.8	2.1	
5-6.9	-31.7		5-6.9	-1.7		11-18.9	1.83	-2.2	1.8	
7 & Up	-31.6		7 & Up	-1.7		19 & Up	1.36	-1.8	1.0	

6A-6 INFILTRATION & INTERNAL GAINS (SPM)

Air Infiltration	5.17
Internal Gains	+ 9.14
Infiltration/Internal Gains	14.31
(Combined)	

6A-7 AIR HANDLER MULTIPLIERS (SPM)

Located in garage	1.00
Located in conditioned area	0.90
Located on exterior of building	1.02
Located in attic	1.10

6A-8 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	1.113	1.107	1.108	1.107	1.103
Unconditioned Space	6.0	1.087	1.081	1.083	1.081	1.079
	8.0	1.069	1.064	1.065	1.064	1.062
	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			1.038
Attic/Interior Radiation	4.2	1.098		1.092		1.084
Control Coatings (IRCC)	6.0	1.076		1.071		1.065
	8.0	1.060		1.057		1.052
	4.2	1.069			1.063	1.058
Attic/White Roof	6.0	1.052			1.047	1.044
	8.0	1.041			1.037	1.034
	4.2	1.006	1.005	1.007	1.003	1.000
Conditioned Space	6.0	1.005	1.004	1.005	1.002	1.000
	8.0	1.004	1.003	1.004	1.002	1.000

6A-9 COOLING SYSTEM MULTIPLIERS (CSM)

SYSTEM TYPE See Table 6-3 f				CO	OLING SYS	TEM MULT	PLIERS (CS	SM)			.9 12.0-12.4 .28 .4 17.5 & Up						
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					

WINTER CALCULATIONS

CLIMATE ZONES 4 5 6

			ORIENTATION		GLAS	s ,	SINGLE-	PANE	OR DOUBLE-		WINTER	AS-BUILT
				LENGTH OH (FEET)	ARE/ (SQ. F	а.)	WINTER POINT	TINT2		T MULTIPLIER TINT ²	OH FACTOR (from 6A-10)	GLASS WINTER PTS
			N		•	,	12.32	12.58	6.43	6.64		
		r II	NE				12.00	12.31	6.17	6.42		
	-		E				9.96	10.54	4.52	5.01		
	L	₩ -L- X	SE				8.34	9.12	3.17	3.84		
		ј н	S SW				7.73 9.22	8.59	2.65	3.39		
		[W				9.22	<u>9.88</u> 11.21	<u>3.88</u> 5.16	4.45 5.56		
		կ	NW				12.22	12.51	6.35	6.58		
			H ¹				11.64	12.36	4.91	5.54		
GLASS												
6												
		- /										
			\rightarrow $$									
	<u> </u>											
	ı i		í		_							▼
8				BASE								AS-BUILT
GLASS			LTIPLIER =	GLASS SUBTOTAL								GLASS SUBTOTAL
U U	.18		5.44	OUDIVIAL								SUBTUTAL
			÷	▼								▼
C	OMPONENT		BASE WINTER	BASE			COMPONE	NT		WINT		AS-BUILT
	ESCRIPTION	AREA	POINT. MULT.	WINTER POINTS			DESCRIPTI		AREA	X POINT.		WINTER POINTS
	EXTERIOR		2.0	FUINTS	_						(U UA-13)	FUINTS
1 3	ADJACENT		1.8		-							
WALL												
			5 4	V	-	—						▼
DOORS	EXTERIOR ADJACENT		5.1 4.0		_							
ă	ADJACENT		4.0		-							
	1		ΙΙ	V								•
G	UNDER ATTIC		.64									
Ľ	OR SINGLE											
CEILING	ASSEMBLY		AREA EQUALS FLOOR AR			RB	S/IRCC/white				X	
		BASE CEILING F	AREA EQUALS FLOOR AR			LING, F	AS-BUILT CEILI	ING AREA EU	JUALS ACTUAL CE	ILING SQUARE	FUUTAGE.	•
	SLAB (PERIMETER)		-1.9	•								•
l R	RAISED (AREA)		2									
FLOOR												
		FOR SLAB ON GRADE U	JSE PERIMETER LENGTH		TIONED	FLOOR	R. FOR RAISED	FLOORS US	SE AREA OVER UN	CONDITIONED S	SPACE.	
INI	FILTRATION &		-0.28	V						-0.	28	V
	TERNAL GAINS			SE TOTAL FLOOR	AREA O	F CON	DITIONED SPA	CE.		-0.	20	
				V								▼
	TOTAL COMPON	ENT BASE WINTE						MPONEN	T AS-BUILT WI	NTER POINT	S	
		Deerster	Tatal Daga		-			- D. 111	As Dutte La P			
	HEATING	Base Heating	Total Base	BASE					As-Built As-I DSM x AF			AS-BUILT
	SYSTEM	System > Multiplier	c Summer = Points	HEATING POINTS			BUILT X . PTS. (DM x 6A-17)	DSM x AH (6A-20) (6A-			+ HEATING POINTS
		.63				- 00WI.			.16 or 1.0		(0/1-21)	
			 			<u> </u>						
	BASE	BASE	BASE	TOTAL	וך		AS-BUILT		AS-BUILT	AS-BL		TOTAL
TOTAL	COOLING + POINTS	 HEATING POINTS 	HOT WATER = POINTS	BASE POINTS			COOLING POINTS		HEATING	+ HOT W		AS-BUILT POINTS
2	(From P. 2)			(Enter on P. 1)			(From P. 2	2)	POINTS	(From		Enter on P. 1)
	, - ,		, - /					<u> </u>				·····,
	HORIZONTAL GLA		² FOR GLASS W								CRITERIA OF	S 607 1 A
			TINT MULTIPLI									0. 007.1.A.

WINTER POINT MULTIPLIERS (WPM) 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	0.998	0.996	0.995	0.995	0.994	0.993	0.992	0.990	0.988	0.986	0.984
	Northeast	1.00	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000
B	East	1.00	1.005	1.010	1.020	1.034	1.055	1.078	1.106	1.133	1.198	1.264	1.320
	Southeast	1.00	1.010	1.025	1.058	1.102	1.167	1.238	1.324	1.407	1.596	1.783	1.939
	South	1.00	0.994	1.011	1.062	1.040	1.262	1.400	1.562	1.709	1.992	2.192	2.291
W	Southwest	1.00	1.002	1.013	1.038	1.071	1.118	1.168	1.225	1.278	1.388	1.490	1.573
	West	1.00	0.999	1.003	1.013	1.025	1.040	1.053	1.067	1.077	1.095	1.107	1.116
	Northwest	1.00	0.999	0.998	0.997	0.997	0.996	0.995	0.994	0.993	0.992	0.990	0.989
	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	LWT)		FACEB	RICK		LOG		
						INTERI	OR	EXT.	R-VALUE	WOOD FR	R-VALUE	BLOCK		200	
	WO	OD	STI	EEL		INSULA	TION	INSUL.	0-6.9	7.0	0-2.9	3.7		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	2.1	3-6.9	2.6	R-VALUE	EXT	EXT
0-6.9	6.8	5.3	9.4	6.7	0-2.9	6.0	3.1	6.0	11-18.9	1.7	7-9.9	1.8	0-2.9	2.2	1.2
7-10.9	2.5	2.1	4.4	3.3	3-4.9	3.8	2.3	2.8	19-25.9	1.0	10 & UP	1.3	3-6.9	1.2	.9
11-12.9	2.0	1.8	3.3	2.6	5-6.9	2.9	1.9	2.0	26 & Up	.6			7 & Up	.9	.7
13-18.9	1.8	1.6	3.0	2.4	7-10.9	2.3	1.5	1.5							
19-25.9	1.1	1.0	2.6	2.2	11-18.9	1.5	1.1	.8							
26& Up	.7	.7	1.4	1.2	19-25.9	.8	.7		NOTE: SEE SECTION 2.0 OF APPENDIX C FOR MULTIPLIERS					٨S	
					26 & Up	.5	.5			OF EN	/ELOPE COM	PONENTS N	IOT ON THIS	FORM.	

6A-12 DOOR WINTER POINT MULTIPLIERS (WPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	7.6	5.9
INSULATED	5.1	4.0

6A-13 CEILING WINTER POINT MULTIPLIERS (WPM)

UNDER	ATTIC	SINGLE A	SSEMBLY	CON	CONCRETE DECK ROOF				
R-VALUE	WPM	R-VALUE	WPM		CEILING TYPE				
19-21.9	.87	10-10.9	1.02	R-VALUE	EXPOSED	DROPPED			
22-25.9	.78	11-12.9	.96	10-13.9	1.16	1.05			
26-29.9	.69	13-18.9	.84	14-20.9	.83	.76			
30-37.9	.64	19-25.9	.62	21 & Up	.54	.50			
38 & Up	.55	26-29.9	.50						
RBS Credit	0.850	30 & Up	.46						
IRCC Credit	0.905		•	•					
White Roof Cr	edit 1.044								

6A-14 FLOOR WINTER POINT MULTIPLIERS (WPM)

SLAB-0N			RAIS	SED			RAISE	D WOOD		
EDGE INS	-	CONCRETE				POST OR PIER CONSTRUCTION	STEM WALL w/ UNDER FLOOR INSULATION	ADJACENT		
R-VALUE	WPM	ľ	R-VALUE	WPM	1	R-VALUE	WPM	WPM	WPM	
0-2.9	2.5	ľ	0-2.9	4.0	1	0-6.9	2.49	1.8	5.3	
3-4.9	-1.7	ľ	3-4.9	1.8	1	7-10.9	0.78	.7	2.1	
5-6.9	-2.4	Ī	5-6.9	1.1	1	11-18.9	0.47	.5	1.8	
7 & Up	-2.7		7 & Up	.8		19 & Up	0.14	.3	1.0	

6A-15 INFILTRATION & INTERNAL GAINS (WPM)

Air Infiltration	0.87
Internal Gains	- 1.15
Infiltration/Internal Gains (Combined)	-0.28

6A-16 AIR HANDLER MULTIPLIERS (WPM)

Located in garage	1.00
Located in conditioned area	0.92
Located on exterior of building	1.09
Located in attic	1.11

6A-18 HEATING SYSTEM MULTIPLIERS (HSM)

0A-10 HEATING STSTEW										
SYSTEM TYPE See Tables	SYSTEM TYPE See Tables 6-6 to 6-8 for code minimums HEATING SYSTEM MULTIPLIERS (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 m	ultipliers, see Ta	able 6A-21)				

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

		DUCT		RETUR	N DUCTS	ln:	
SUPPLY DU	CTS IN:	R-Value	Unconditioned space	d Attic/ RBS	Attic IRCC		Conditioned space
			1.107	1.098	1.100	1.102	1.092
Unconditione	d Space	6.0	1.078	1.072	1.074	1.075	1.068
		8.0	1.061	1.056	1.057	1.058	1.052
		4.2	1.076	1.067			1.059
Attic/Radiant	Barrier (RBS)	6.0	1.058	1.051			1.045
		8.0	1.046	1.041			1.036
Attic/Interior Radiation		4.2	1.097		1.088		1.077
		6.0	1.073		1.066		1.057
Control Coati	ngs (IRCC)	8.0	1.057		1.052		1.045
		4.2	1.120			1.110	1.095
Attic/White ro	of	6.0	1.088			1.081	1.070
		8.0	1.068			1.063	1.054
		4.2	1.009	1.008			1.000
Conditioned S	Space	6.0	1.007	1.006	1.007	1.007	1.000
		8.0	1.005	1.005	1.006	1.005	1.000
HEATING SY	STEM MULTI	PLIERS (H	SM)				
.80-6.89	6.90-7.39	7.40-7.8	9 7.90-8.39	8.4	0-8.89	8.9-9.39	9.4-9.89
.50	.49	.46	.43		.41	.38	.36
).40-10.89 ⁻	10.90-11.39	11.40-11.	89 11.90-12.3	39 12.4	0 & up		
33	31	30	29		28		

ADDITIONAL TABLES

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
Multizone	.95

*Credit may be taken for only one of these system types 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

¹Duct Sealing Multiplier (DSM) shall be 1.15 (summer) or 1.16 (winter) unless Airtight Duct credit is demonstrated by test report.

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.

6A-21 HEATING CREDIT MULTIPLIERS (HCM)

SYSTEM TYPE		HEATING CRE	DIT MULTIPLIERS	(HCM)				
Programmable Thermostat	HCM			.95				
Multizone	HCM	.95						
Natural Gas	AFUE	.6872	.7377	.7882	.8387	.8892	.93 & Up	
Natural Gas	HCM	.61	.56	.53	.50	.47	.44	
LP Gas	HCM	.77	.72	.67	.63	.60	.57	

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
	HWM				2820	2752	2685	2624	2564	2479	2400	2326
Natural Gas	EF	.4347	.4849	.5051	.5253	.5455	.5657	.5859	.6061	.6263	.6465	.66 & Up
	HWM	2162	1936	1859	1787	1721	1660	1602	1549	1499	1452	1408
LP Gas	HWM	2645	2368	2274	2186	2106	2031	1960	1895	1834	1776	1722
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	2256	1504	1128	902	752	645	564	501	451		

6A-23 HOT WATER CREDIT MULTIPLIERS (HWCM)

SYSTEM TYPE	HOT WATER CREDIT MULTIPLIERS (HWCM)								
Heat Recovery Unit	With	Air Con	Heat Pump						
Theat Recovery Onit	HWCM	3.	.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.	