	FORM 600A-01 FLORIDA ENERGY EFFICIENCY C Residential Whole Build					NORTH 1	2 3
	ND ADDRESS:	BUILDER: PERMITTING OFFICE:			CLIMATE ZONE: 1	2	3
0	WNER:	PERMIT NO.:			JURISDICTION NO.	:	
_				Plea	ase Type		СК
1. 2. 3. 4.	New construction or addition Single family detached or Multifamily attached If Multifamily—No. of units covered by this submis Is this a worst case? (yes / no)	ssion	1. 2. 3. 4.				
5.	N. F. C.		5.		sq. ft.		
6.	3 \ /		6.				
7.	a. Clear glassb. Tint, film or solar screen				e Double sq. ft sq. ft	sq. ft.	
8.				_			
	a. Slab-on-grade (R-value + perimeter)b. Wood, raised (R-value + sq. ft.)		8a. 8b.	R= R=	,	I. ft. sq. ft.	
	c. Concrete, raised (R-value)		8c.	R=		_ sq. ft.	
9.							
	a. Exterior: 1. Concrete block (Insulation R-v		9a -1				
	Wood frame (Insulation R-value)		9a -2				
	3. Steel frame (Insulation R-valu	ıe)	9a -3				
	4. Log (Insulation R-value)		9a -4	K=		_ sq. ft.	
	5. Other:		9b-1	D _		og ft	
	b. Adjacent: 1. Concrete block (Insulation R-value)2. Wood frame (Insulation R-value)	,	9b-1 9b-2				
	3. Steel frame (Insulation R-valu		9b-2 9b-3				
	4. Log (Insulation R-value)	16)	9 b -3				
10.	. Ceiling type, area and insulation:		J			_ 54. 11.	
. •	a. Under attic (Insulation R-value)		10a.	R=		sa. ft.	
	b. Single assembly (Insulation R-value)		10b.	R=		sa. ft.	
	c. Radiant barrier, IRCC or white roof installed?		10c.				
11.	Air distribution system:					-	
	a. Ducts (Insulation + Location)		11a.	R=	_ , (cc	and./uncond.)	
	b. Air Handler (Location)		11b.	·	(co	nd./uncond.)	
12.	Cooling system:		12a.	Type:			
	(Types: central-split, central-single pkg., room unit, PTAC., gas, no	one)	12b.	SEER/EE	R/COP:		
			12c.	Capacity:			
13.	Heating system:						
	(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room o	or PTAC, none)			/AFUE:		
14.	Hot water system:						l ———
15	(Types: elec., natural gas, solar, L.P. gas, none)						l
13.	. Hot Water Credits: a. Heat Recovery (HR)		14b. 15a.				l ———
	b. Dedicated Heat Pump(DHP)		15a. 15b.				I
	c. Solar		15b.				I
16	. HVAC Credits		150.				
	(Use: CF-Ceiling Fan, CV-Cross vent, PT-Programmable thermosta	at,	16.				

a. Total As-Built points b. Total Base points I hereby certify that the plans and specifications covered by the calculation are in

17. COMPLIANCE STATUS: (PASS if As-Built Pts. are less than Base Pts.)

HF-Whole house fan, MZ-Multizone)

OWNER AGENT:

compliance with the Florida Energy Code.

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

Review of plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.

17b.

BUILDING OFFICIAL:	
DATE:	

DATE:

17.

17a.

			ORIENTATION	OVERHANG LENGTH	GLASS AREA	SINGLE- SUMMER POIN	PANE F MULTIPLIER	OR DOUBLE-P		X SUMMER OH FACTOR	AS-BUILT GLASS
				OH (FEET)	(SQ. FT.)	CLEAR	TINT ²	CLEAR	TINT ²	(from 6A-1)	SUMMER PTS
		_	N			20.36	16.45	19.22	15.78		
			NE			31.37	25.94	28.72	23.92		
	<	\leq $-$	Е			44.69	37.38	40.22	33.76		
	l Ti	11	SE			45.41	38.01	40.86	34.32		
		L — 9	S			38.10	31.72	34.50	28.87		
	н	- 1	SW			42.67	35.65	38.46	32.25		
	1	ן	W			40.92	34.13	36.99	30.98		
	4		NW			27.55	22.64	25.46	21.12		
GLASS			H ¹			79.26	65.61	72.73	60.66		
<u> </u>											
	OVERHANG I	RATIO = $\frac{OH LENG}{OH HEIGH}$									
		On HEIGI	П								
					_						▼
GLASS	.18 × FLOO	R x ML	HTED GLASS JLTIPLIER =	BASE GLASS SUBTOTAL							AS-BUILT GLASS SUBTOTAL
	.18		20.24	▼							▼
			2405 010445	BASE	\neg \vdash				SUMN	/FR	AS-BUILT
	COMPONENT ESCRIPTION	AREA	BASE SUMMER POINT. MULT.	SUMMER POINTS		COMPONE DESCRIPTI		AREA	x POINT.	MULT. 🛓	SUMMER POINTS
	EXTERIOR		1.7						1,-		
크	ADJACENT		.7								
WALL											
	EVTERIOR			▼							▼
DOORS	EXTERIOR ADJACENT		6.1		$\dashv \vdash$				+		
ĕ	ADJACENT		2.4		$\dashv \vdash$				+		
											▼
	UNDER ATTIC		1.73	<u> </u>	\neg \vdash				$\overline{}$		
NG NG									+		
EILING	OR SINGLE ASSEMBLY				R	BS/IRCC/white	e roof ³			X	
CEILING	OR SINGLE ASSEMBLY	BASE CEILING AREA E	EQUALS FLOOR AREA DIR	ECTLY UNDER				ACTUAL CEILING	SQUARE FOO		
CEILING	OR SINGLE ASSEMBLY	BASE CEILING AREA E	EQUALS FLOOR AREA DIR	ECTLY UNDER				ACTUAL CEILING	SQUARE FOO		V
	OR SINGLE ASSEMBLY SLAB (PERIMETER)	BASE CEILING AREA E	EQUALS FLOOR AREA DIR	_				ACTUAL CEILING	SQUARE FOO		V
	OR SINGLE ASSEMBLY	BASE CEILING AREA B	EQUALS FLOOR AREA DIR	_				ACTUAL CEILING	SQUARE FOO		V
FLOOR CEILING	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA)		-37.0 -3.99	V	CEILING, AS-I	BUILT CEILING A	REA EQUALS			TAGE.	▼
	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA)		EQUALS FLOOR AREA DIR	AROUND COND	CEILING, AS-I	BUILT CEILING A	REA EQUALS			TAGE.	
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA)		-37.0 -3.99	V	CEILING, AS-I	BUILT CEILING A	REA EQUALS		CONDITIONED	TAGE.	V
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO		-37.0 -3.99 JSE PERIMETER LENGTH	AROUND CONDI	TIONED FLOO	BUILT CEILING A	PEA EQUALS			TAGE.	
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA)		-37.0 -3.99 JSE PERIMETER LENGTH	AROUND CONDI	TIONED FLOO	BUILT CEILING A	PEA EQUALS		CONDITIONED	TAGE.	
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO	R SLAB ON GRADE L	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS	AROUND CONDI	TIONED FLOO	OR. FOR RAISED ONDITIONED SPA	PEA EQUALS A		CONDITIONED 10.	SPACE.	V
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE	R SLAB ON GRADE L	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US	AROUND CONDI	TIONED FLOO	OR. FOR RAISED DIDITIONED SPA TOTAL CO	PEA EQUALS A PEACE.	AREA OVER UN	CONDITIONED 10.	SPACE.	V
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE COOLING	R SLAB ON GRADE L	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS	AROUND CONDI	TIONED FLOO	OR. FOR RAISED DIDITIONED SPA TOTAL CO	D FLOORS USE ACE. MPONENT A AS-Built A: DM X	AS-BUILT SUI S-Built As-B DSM x AH	CONDITIONED 10. MMER POIN uilt As-Bu	SPACE. 21 IIS iilt As-Built	V
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE	R SLAB ON GRADE LENT BASE SUMMI	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base	AROUND CONDI	TIONED FLOO	OR. FOR RAISED ONDITIONED SPA TOTAL CO TOTAL A G-BUILT X	D FLOORS USE ACE. MPONENT A AS-Built A: DM X	AS-BUILT SUI S-Built As-B	CONDITIONED 10. MMER POINT uilt As-Bu U x CSM	SPACE. 21 IS iilt As-Built x CCM	▼ ▼ AS-BUILT
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE COOLING	R SLAB ON GRADE L THE SLAB ON GRADE L	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer =	AROUND CONDI	TIONED FLOO	OR. FOR RAISED ONDITIONED SPA TOTAL CO TOTAL A G-BUILT X	D FLOORS USE ACE. MPONENT A AS-Built A: DM x COMMON	AS-BUILT SUI S-Built As-B DSM x AH	CONDITIONED 10. MMER POINT uilt As-Bu U x CSM	SPACE. 21 IS iilt As-Built x CCM	▼ AS-BUILT = COOLING
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE COOLING	ENT BASE SUMMI Base Cooling System Multiplier .43	-37.0 -3.99 SEE PERIMETER LENGTH. 10.21 US ER POINTS Total Base x Summer = Points	AROUND CONDI E TOTAL FLOOR BASE COOLING POINTS	TIONED FLOO	DNDITIONED SPA	PLOORS USE ACE. MPONENT A AS-Built A: DM X (6A-8) (6 1.1!	AS-BUILT SUI S-Built As-B DSM x AH 6A-20) (6A- 5 or 1.0	MMER POINT Uuilt As-Bu U x CSM (6A-S	SPACE. 21 III As-Built CCM (6A-19)	AS-BUILT = COOLING COINTS
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE COOLING SYSTEM	ENT BASE SUMMI Base Cooling System Multiplier .43 Number	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer = Points Base	AROUND CONDI TOTAL FLOOP BASE COOLING POINTS BASE	TIONED FLOO	DNDITIONED SPA TOTAL CO TOTAL AS-BUILT X AS-BUILT	PLOORS USE ACE. MPONENT A AS-Built A: DM x (6A-8) (6 Number	AS-BUILT SUI S-Built As-B DSM x AH 6A-20) (6A- 5 or 1.0	MMER POINT Uuilt As-Bu U x CSM (6A-S	SPACE. 21 TS iilt As-Built As-Built (6A-19)	AS-BUILT = COOLING COINTS
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE COOLING SYSTEM HOT WATER	ENT BASE SUMMI 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 Hot Water =	BASE COOLING POINTS BASE HOT WATER	TIONED FLOO	DNDITIONED SPA TOTAL CO TOTAL AS-BUILT X M. PTS. AS-BUILT HOT WATER	PLOORS USE ACE. MPONENT A AS-Built A: DM x (6A-8) (6 Number of	AS-BUILT SUI S-BUILT SUI S-Built As-B DSM x AH 6A-20) (6A- 5 or 1.0	MMER POINT Uilt As-Bu U x CSM (6A-S) Guilt	SPACE. 21 iilt As-Built (6A-19) As-Built HWCM =	AS-BUILT COINTS AS-BUILT HOT WATER
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE COOLING SYSTEM	ENT BASE SUMMI Base Cooling System Multiplier .43 Number	-37.0 -3.99 JSE PERIMETER LENGTH 10.21 US ER POINTS Total Base x Summer = Points Base Hot Water = Multiplier	AROUND CONDI TOTAL FLOOP BASE COOLING POINTS BASE	TIONED FLOO	DNDITIONED SPA TOTAL CO TOTAL AS-BUILT X AS-BUILT	PLOORS USE ACE. MPONENT A AS-Built A: DM x (6A-8) (6 Number	AS-BUILT SUI S-BUILT SUI S-Built As-B DSM x AH 6A-20) (6A- 5 or 1.0	MMER POINT Uilt As-Bu U x CSM (6A-S) Guilt	SPACE. 21 TS iilt As-Built As-Built (6A-19)	AS-BUILT = COOLING COINTS
FLOOR	OR SINGLE ASSEMBLY SLAB (PERIMETER) RAISED (AREA) FO FILTRATION & TERNAL GAINS TOTAL COMPONE COOLING SYSTEM HOT WATER	ENT BASE SUMMI 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 Hot Water =	BASE COOLING POINTS BASE HOT WATER	TIONED FLOO	DNDITIONED SPA TOTAL CO TOTAL AS-BUILT X M. PTS. AS-BUILT HOT WATER	PLOORS USE ACE. MPONENT A AS-Built A: DM x (6A-8) (6 Number of	AS-BUILT SUI S-BUILT SUI S-Built As-B DSM x AH 6A-20) (6A- 5 or 1.0	MMER POINT Uilt As-Bu U x CSM (6A-S) Guilt	SPACE. 21 iilt As-Built (6A-19) As-Built HWCM =	AS-BUILT COINTS AS-BUILT HOT WATER

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
<u>@</u>	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
RECT	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
SE	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)

		FRAME			CONCRETE I	E BLOCK (NORMAL WT) FACE BRICK					LOG				
l .		IIIANE			INTERIOR EXT. R					WOOD FR	R-VALUE	BLOCK] [
	WOOD STEEL			INSULA	TION	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	NDIXCFORI	MULTIPLIEI	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)

OA 4 CELENCA COMMETTE CHAIR MOETH ELETIC (OF M)												
UNDER	ATTIC	SINGLE AS	SINGLE ASSEMBLY CONCRETE DECK ROO									
R-VALUE	SPM	R-VALUE	SPM		CEILING 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	7.14	14-20.9	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)

	SLAB-0N-GRADE		RAIS	•		RAISED WOOD						
EDGE INSULATION			CONC			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)

0,10 11112110111011 @ 11112111012	w/ 11110 \O. 111/
Air Infiltration	3.44
Internal Gains	+ 6.77
Infiltration/Internal Gains	10.21
(Combined)	

6A-7 AIR HANDLER MULTIPLIERS (SPM)

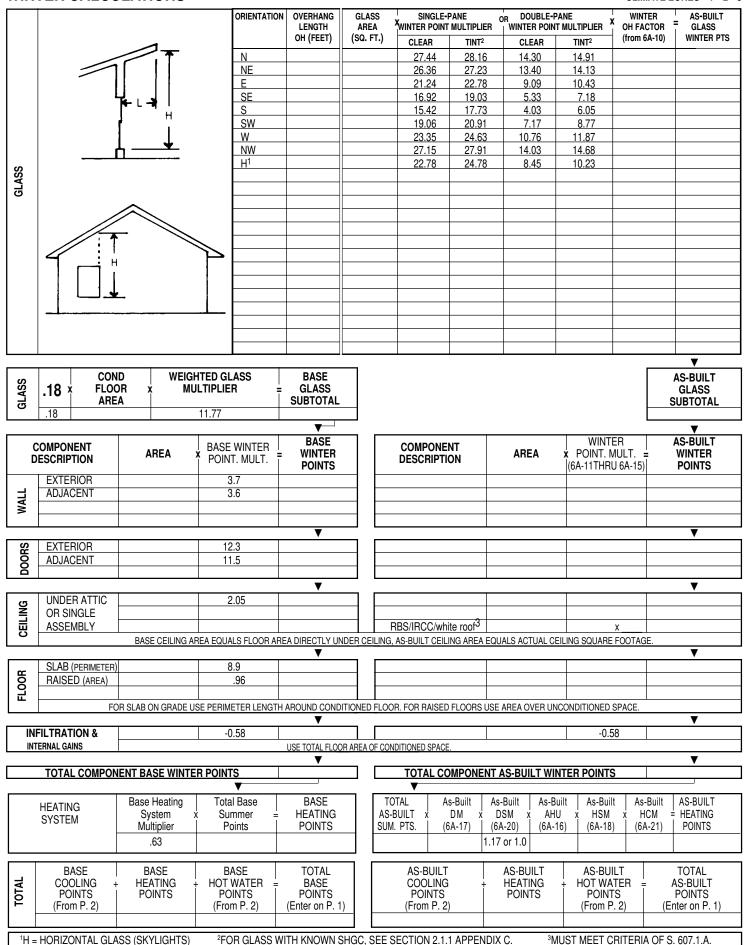
Located in garage	1.00
Located in conditioned area	0.91
Located on exterior of building	1.02
Located in attic	1.11

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 5 COCENTA CTOTEM INC		,,,,										
SYSTEM TYPE See Table 6-3 to	or Code minimums	COOLING SYSTEM MULTIPLIERS (CSM)										
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
Gential Onits (SEET)	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
T TAC & NOOTH OTHES (ELT)	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

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
≽	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
ਲ	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 (NORMAL WT)				FACE BRICK				100		
						INTERIOR		EXT.	R-VALUE	R-VALUE WOOD FR R-VALUE BLOCK		LOG			
	WC	OOD	STI	EEL	1	INSULA	NOITA	INSUL.	0-6.9	12.6	0-2.9	7.9		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	4.2	3-6.9	5.7	R-VALUE	EXT	EXT
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	4.5	3.0
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	2.8	2.2
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	2.1	1.7
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 2.0	OF APPEND	IX C FOR MUI	TIPLIERS	٦
26& Up	1.5	1.5	2.7	2.6	19-25.9	1.9	1.7		1		OPE COMPON				

1.2

1.3

26 & Up

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)

•	A-13 CEILING	WINTER FOIN	INULTIFLIEN) (VV P IVI)						
	UNDER ATTIC		SINGLE AS	SEMBLY	CONC	CONCRETE DECK ROOF				
	R-VALUE	WPM	R-VALUE	WPM		CEILING	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 Cr	redit 1.044								

6A-14 FLOOR WINTER POINT MULTIPLIERS (WPM)

	I-GRADE SULATION	RAISED CONCRETE				ADJACENT		
R-VALUE	WPM		R-VALUE	WPM	R-VALUE	WPM	WPM	WPM
0-2.9	18.8		0-2.9	9.9	0-6.9	5.77	3.5	10.4
3-4.9	9.3		3-4.9	5.1	7-10.9	2.20	1.6	4.4
5-6.9	7.6		5-6.9	3.6	11-18.9	1.55	1.2	3.6
7 & Up	7.0		7 & Up	2.9	19 & Up	0.88	.8	2.2

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)

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						
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)

DA-10 HEATING STOLE	W WULTIPLIENS (NS	IVI)							
SYSTEM TYPE See Tab	les 6-6 to 6-8 for code mini	mums	HEATING :	SYSTEM MULT	IPLIERS (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)

OA 10 OOGENIA ONEDII III	OLIN EILIG (OOM)
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
Ivaturai das	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
	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	Heat Pump					
Treat riceovery critic	HWCM	.84	.78					
Add-on Dedicated Heat Pump	EF	2.0-2.49	2.5-2.99	3.0-3.49		3.5 & Up		
(without tank)	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.	1
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 regts	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.