COMMENT	S MADE up to 3/17	7/08 and at the ENERGY TAC MEETING	
Rick Dixon 3/17/08	General	Appliance efficiencies should be included in the code per Governor's Executive Order 127 for the following appliances: Walk-in coolers and freezers Computer room air conditioners Hard-wired dehumidifiers Furnace fanes Water heaters that fall outside the federal ranges Pool pumps Spa standby power Fluorescent lamp efficacy	Rick Dixon 3/17/08
Dave Olmstead 3/17/08	13-601.B.2, 13- 613.A.1-1 N1101.B.2, N1113.A.1-1	U-factor is not as important as SHGC in Florida. U-factor is a problem in Florida because Florida's buildings need the structural strength of aluminum frames for hurricane resistance. U-factors below 0.6 will eliminate an entire industry in an already depressed housing market and lack of money for retooling and redesign. 141 wood products approved, 276 aluminum products moved to ? products available. Aluminum currently 85% of market. Aluminum with thermal break can meet lower U-factor, some structural degradation. Bassett: In lieu of reducing by .85, changing baseline, does not displace any windows per performance code. Cochell: What is the cost difference if move to 0.6? Olmstead would take a few days. Sanders: Changing baseline does not outlaw product. Tradeoff with higher efficiencies elsewhere. Reynolds: If builders chose not to use aluminum windows, will be a significant impact. Olmstead: Industry understands performance code, looking down the road. Most companies going there. Zuniga. Commend DCA in following directive of the Governor. In order to do so, looked at areas that can be made more efficient; windows are one of those areas. You all received a letter from FMA proposing U-factor & SHGC (see below). 98% of permits are using Method A, predominant window installed is single glazed clear. Although can still install single pane clear, have to meet overall efficiency. Propose that baseline be something that industry builds. Wilhelm: Would like to see justification as to how got numbers on savings.	

Dick Wilhelm	13-601.B.2, 13-	Entered letter into record: It is the opinion of FMA voting members that collectively	
3/17/08	613.A.1-1	we cannot support such rapid and substantial changes at this time. To support our	
	N1101.B.2,	position we present the following:	
	N1113.A.1-1	Currently, windows are able to achieve these targets only with specialized	
		glass coatings that are not being commonly used by builders or even offered by some	
		window manufacturers in the state of Florida.	
		Input from our major aluminum fenestration manufacturers indicates that non-	
		thermally broken windows cannot meet a U-factor less than or equal to 0.50.	
		Thermally broken residential-grade aluminum windows cannot meet a U-factor	
		of 0.40.	
		A SHGC of 0.30 will in many cases necessitate the use of a darker tint low e	
		coating reducing visible light transmittance resulting in increased usage of interior	
		lighting.	
		FMA would like to propose the following approach that would potentially be endorsed	
		by both fenestration manufacturers and home builders that would achieve the	
		Governor's mandate on 15% reduction energy usage:	
		Miami-Dade, Broward & Monroe: U-0.75 Rest of Florida U-0.60	
		SHGC: U-0.60 SHGC 0.35	
		Sanders: Like FMA option. Straw poll of TAC: 5 aye, 3 nay.	
Jack Glenn		Regarding the cost effectiveness of the features proposed, tradeoffs all have costs	
3/17/08		associated with them. Can make baselines so stringent can't do anything else. There are	
		currently about 10 bills on energy in the House and Senate. Why are you doing this	
		now? Would like to see October to January in depressed economy. Dixon: The	
		Governor's Office has directed the Department to do this; now is the only opportunity.	
		Reynolds: Are impacts of baseline changes cumulative? Fairey, not really, they must	
		be taken in context with other changes. All options reported are cost effective to the	
		consumer.	
		Reynolds: Have not seen entire report, just executive summary. Dixon: the full report	
		is a contract deliverable that is due in June; it is not yet available.	
		Sanders: It is incumbent on the designer to determine which options are right for a	
		building, both for function and cost.	
Mike Nau,	13-601.B.2, 13-	After running numbers, very little difference between 0.60 & 0.65. Support 0.35	
PGT	613.A.1-1	SHGC. High performance low E glazing may be 0.32, 0.33. Glass may be too dark	
3/17/08	N1101.B.2,	requiring lights to be used. % difference with .65, .35, variable speed AHU SEER 14,	
	N1113.A.1-1	got close to 15%.	
		Miami, should keep 0.75: 20% savings. SHGC is important, not U-factor.	

		 Fairey: Support Nau. Increasing U-factor is better in Miami; in N. FL it is deadly. Recommend 0.75 in south Florida, 0.6 in central Florida, 0.5 in north Florida; leave SHGC 0.30. Going from SHGC 0.3 to 0.35, lose 3% energy. TAC straw poll on Fairey proposal: 3 aye, 5 nay. Bassett, Geyselaers: Why not just move the baseline to 0.85 of 2007 level? TAC straw poll on Bassett, Geyselaers proposal: 8 aye, 0 nay. 	
Arlene Stewart 3/17/08	Form 1100B	Regarding the 14% cap on glazing in Method B, how does glass-to-floor-area relate to glass-to-wall-area? Answer: It depends entirely on the geometry of the building; there is no conversion. Have we looked at egress requirements? The code is nowhere near impacting egress requirements: the performance method allows any amount of glass	
Hiron Castillo 3/17/08	N1111.ABC.1, 13-611.ABC.1	Would like to include insulation on refrigerant line. 5 standards coming out of ASHRAE: ASHRAE 90.2, Table 6.5 is appropriate. Problem is that nobody ever read footnote at bottom, exposed to air, requires .5" more. Opportunity to bring code up to date. Can deliver an additional 25% energy savings to contractor. Tradeoffs possible. Recommend up to date standard.	

Mike Moore		U-factors for steel frame walls above grade basically halved. No change to wood frame	
3/17/08		walls. Unfair penalty. Ask remove 7.5 R added for steel framing. Otherwise should be	
		done across the board.	
		Written Public Comment to Summary of Proposed Changes, Rule 9b-13	
		Mike Moore, Newport Ventures on behalf of the Steel Frame Alliance	
		Background	
		Below are three comments submitted on behalf of the Steel Frame Alliance on	
		proposed changes to Florida Building Code Section 13-400.0.C and Form	
	13-400.0.C	400C. Within the proposed changes are a couple line items that penalize steel	
	Form 400C	framing by requiring it to reach a higher thermal performance than other framed	
		assemblies, particularly wood. The reasons behind this are unclear and	
		unjustified, both from an energy savings and cost basis. We ask that the	
		commission consider the following arguments in finalizing their proposed	
		changes in response to Executive Order 127.	
		Comment Number 1	
		Section 13-400.0.C describes a prescriptive envelope method for commercial	
		buildings. This section is filled with frequent references to Form 400C as the	
		method for compliance. Proposed changes to FORM 400C create a bias in the	
		code favoring certain materials over others. They also incongruous with the	
		direction the IECC is headed and extend the requirements for wall insulation	
		beyond even what is contained in ASHRAE 90.1-2007.	
		Form 400C requires R-13 for wood walls but R-13 + 7.5ci for steel framing for	
		residential buildings. This will affect multi-family buildings of all types through	
		the state by inducing extra costs with little to no benefit to consumers or	
		building owners.	
		Pacammandad action:	
		RECOMMENDED action.	
		σ r	
		Reason/substantiation:	
		Adding R-7.5 continuous insulation requires steel to perform at a much higher	
		level than competing products (wood). Further, a simulation using Energy	
1		The volument of the string products (wood). Further, a simulation using Energy	

	Gauge Premier Summit 3.11 shows that the difference between steel and	
	wood framing without continuous insulation results in an almost	
	Indistinguishable overall energy use (about 0.01 percent) in Orange County for	
	a typical four story apartment building. This energy use difference does not	
	well area to the east of an apartment building. Further, this proposed	
	requirement for the addition of P. 7.5 continuous insulation goes beyond what	
	ASHRAE 90 1-2007 requires for Florida, and it also exceeds both the 2006	
	IFCC as well as what was recently approved by the IFCC committee in the	
	February code hearings.	
	Comment Number 2	
13-400.0.C	Section 13-400.0.C describes a prescriptive envelope method for commercial	
	buildings. This section is filled with frequent references to Form 400C as the	
	method for compliance. Proposed changes to FORM 400C create a bias in the	
	code favoring certain materials over others. The assembly U factor for steel	
	framed walls (0.064) is much lower than for wood walls (0.089).	
	Recommended action:	
	Change the Assembly maximum for steel framed residential walls in Form	
	400C to be equivalent to the 0.089 used for wood framed walls.	
	Reason/substantiation:	
	There is no rationale that we can identify that would justify different U-factors	
	for wood and steel. The U factor should represent a performance requirement	
	that could be met for any framed wall. To adopt the ASHRAE requirements as	
	iney are currently written would be to introduce bias between material systems	
	requirement for framed walls independent of the materials used	
	Comment Number 3	
	Section 13-400.0.C describes a prescriptive envelope method for commercial	
13-400.0.C	buildings. This section is filled with frequent references to Form 400C as the	
	method for compliance. The prescriptive requirements for steel framed	
	residential walls leave out options for warm wall construction that are gaining in	
	popularity in the industry.	

		 Recommended action: Add an option for steel framed residential wall insulation minimum R-value to Form 400C as follows: R-0+8.5ci. Reason/substantiation: When framing factors are considered, R-8.5 continuous insulation provides equivalent wall performance to a wood wall with R-13 in the cavity. By moving the insulation from the cavity to the exterior, the impact of framing is minimized and a more durable wall system is achieved. In the recent code hearings, the ICC residential code committee recently approved this option for steel framing as a way to achieve equivalent performance between wood and steel framed walls. 	
Jeff Householder	Appendix 13-D in FBC-B Ch. 13. &	Form 1100B & C Table 11B-2 and 11C-3: Add the words "warm air furnace" or "Combustion space heating systems" instead of "combustion heaters".	
3/17/08	G in FBC-R.	Form 400C: Add gas storage tank standards for units less than 75,000 Btu/h as per Table 13-412.	
Bob Volin 3/17/08		Specify that U-factor is for the entire window assembly, not the center of glass for windows.	

COMMENT	S MADE PRIOR T	O ENERGY TAC MEETING AND WORKSHOP	
Bob Volin	N1107.ABC.1.1,	Manual S needs to be inserted into the code as a referenced manual (see	
3/14/08	13-607.ABC.1.1,	below). See DCA08-DEC-004 as a needed clarification of code for section 13-	
	Ch.43 <i>FBC-R</i> ,	607.ABC.1.1 and N1107.ABC.1.1, cooling equipment capacity. This is needed so	
	Subch. 13-3, FBC-	contractors can understand how equipment is selected and why, in addition	
	В	ASHRAE defers to ACCA Manual S for equipment selection.	
		N1107.ABC.1.1 [13-607.ABC.1.1] Cooling equipment capacity. Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 13-607.ABC.1, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.	
		The published value for ARI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment <u>in accordance with ACCA Manual S</u> . This selection shall be based on the outdoor design dry bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet bulb temperature and the design value for entering dry bulb temperature.	
		[No change to rest of section.]	
		Chapter 43, FBC-R [13-301.0]: <u>ACCA Manual S -1995</u> Residential Equipment Selection <u>N1107.ABC.1.1 [607.ABC.1.1]</u>	

Wes Davis	Chapter 43 FBC-R,	The Air Conditioning Contractors of A	America supports updating the references to its			
3/14/08	Subchapter 13-3,	manuals. The table below illustrates,				
	FBC-B	current references. These changes to	Section 13-301, Referenced Standards will ensure			
		the Florida Building Code is using the	e most current references.			
			Proposed Changes			
			Air Conditioning Contractors of America			
		ACCA	2800 Shirlington Road, Suite 300			
			Arlington, VA 22206			
		Standard reference number	Title		Reference	
		ACCA Manual D-1995	Residential Duct Systems		4	
		ACCA Manual <u>J8 version 2-2006</u> J- 2003	Residential Load Calculation, Eighth Edition version with posted updates/errata.	<u>n 2</u>		
		ACCA Manual <u>N5-2008-N-1988</u>	Commercial Load Calculation For Small Commerce Buildings, Fifth Fourth Edition.	<u>al</u>		
		ACCA Manual S - 1995	Residential Equipment Selection			
			Whiley Zam			
Robert Bullard 3/6/08	13-101.5.7, 13- 407, 13-607	The interior humidity control requirer confusing. I have never been quite co- control function during interior coolin humidity control need during the wint days when (especially near water bod air, even as the cold front passes and t hours. In these situations, over the 24 interior surfaces (esp. fenestrations an condensation, with the eventual spectra accumulating several times every win exhibit the phenomenon I have descrif fully functional component of modern This feature appears to be completely	nent and constraints for the cooling season are onvinced of the value for a separate humidity g. There is, however, in Florida a definite er as most heating periods follow rather balmy ies) there is a lot of moisture in the interior space he temperature drops 30 or 40 degrees within 24 to 48 hours of declining and low temperatures, d wall cavities contiguous thereto) experience rum of staining, mold, mildew and corrosion ter. I can show you brand new buildings that bed. Heating season dehumidification must be a central cooling systems of all conditioned spaces. absent from 9B-13.			

Pete	13-101, 13-407,	The problem is this, when you tell the customer you can't replace just one unit, you need	
3/10/08	13-600, 13-607	to replace both A/H and Condenser, (a lot of people don't have the money for both) so	
		what do we do? Just walk away, they will seek other means (unlicensed people to put in	
		the unit, no one in south Florida is going to just open up their windows.	
		I had a customer call up and give me a model number of her condenser so I could see if	
		a 13.0 SEER air handler could match with the condenser. I check with the ARI online and	
		couldn't find the information. So I called the manufacturer, it took manufacturer 2.5 days	
		to get back to me. When I called the customer (elderly lady) back to let her know it didn't	
		match, she told me that it was hot and she was on a fixed income and had the unit	
		replaced, thanks for your help.	
		Manufacturers data states that inside unit outside unit and proper copper line set will	
		aive you 100% efficiency. Well did Bob Cochell provide information on condos where the	
		condenser is on the roof of a 3, 4 and 6 story condo? Well, let me tell you, the	
		manufacturer data gives us the proper line size and length for each tonnage, and if the	
		copper lines don't get replaced or can't be replaced, then you have like Bob Cochell said	
		or 0% efficiency like the manufacturer data states. But that is OK for condos, but not for	
		single dwelling home owners.	
		Bob Cochell's study is good, but all this going to do is cause financial problems with	
		customers and lead to more unlicensed activity. Why, because unlicensed people can	
		go to the Distributor, Manufacture and Supply stores to pick up anything they want. You	
		want to do something for the Air Conditioning Industries, STOP the Distributors,	
		Manufactures and Supply stores from selling to unlicensed people, (if they cannot buy	
		PARTS or UNITS they cannot do unlicensed work).	
Robert	13-404, 13-604	The Cool Roof Coating Council and the ASTM Standards upon which the CRCC relies	
Volusia		are deficient with respect to the aged reflective performance of roofing. Based on my	
County Home		research and inquiries, there is no consideration given to loss of reflectance over time by	
Builders Assn		the reflective reafing meterials must have a demonstrated resistance for their lifetime of	
3/6/08		service to loss of reflectance. For example, a new semi-gloss white elastometic roof	
		coating will have a reflectance of about 0.8. With a normal 0.25 pound per gallon zinc-	
		oxide mildewcide load ground into the paint (quite sufficient for most walls) the average	
		roof reflectance after about three years will be below 0.7. based on my observations of	
		roofs receiving such coatings under my oversight. At five years, the reflectance is down	
		to about 0.5. Pressure washing restores almost the as new reflectance, but the	
		requirement for an average of 0.7 reflectance for the service life of a roof (say 20 years)	

		will never be achieved in Florida unless 1) there is some really seriously durable, toxic	
		and expensive long term mildewcide as a final translucent top coating, or 2) the roofer is	
		bonded with the requirement to pressure clean the conventional 0.8 as-new reflectance	
		surface every five years. Roof reflectance is a very big deal in the energy budget of most	
		Florida buildings and this matter deserves deep and earnest consideration by the TAC.	
Robert	13-407, 13-607	The SEER/EER standards are too low. At the recent AHR Expo in NYC, there were	
Bullard		many compression/evaporation systems with SEER's over 16 and a few with SEER's	
3/6/08		over 20. SEER's of 12 and 13 are so 20th Century.	
Gary Rex	13-407, 13-612	One of the frustrating aspects of being with a solar company like mine is the fact that we	
3/6/08	,	recognize that if solar hot water were to gain more wide spread acceptance that this one	
		solar product alone would more then offset the effects of a 15% more stringent building	
		code mandate. When you consider that solar hot water alone will reduce Floridians	
		electricity needs by \$15-\$18 per month per residential occupant and that this is more	
		savings then will be gained by the proposed collective efforts of changing code	
		requirements for windows, insulation, air ducts, skylights, etc., it leaves us thinking that	
		there must be a way to better get this message out there.	
		What, if anything, do you think we could do with the building codes that would help	
		push Floridians in the solar direction? Maybe we could offer solar offsets as an	
		alternative to the tighter building standards. For example, a builder doing a remodeling	
		job could elect to install free solar products as an offset to meeting the new 15% tighter	
		standards.	
Robert	13-413.ABC.1	Section 13 lists "voltage drop" calculations be listed on the design documents. VOLTAGE	
Donnelly PE		DROP should be stricken from the energy code. It has no effect on energy. For example	
3/6/08		a 100 watt light at 120 volts draws .8333 amps. The same 100 watt light at 110 volts	
		draws .91 amps. In both cases the load is still 100 watts. There is no affect on energy.	
Glenn C.	13-3, ch 43	In the HVAC sector – approximately 45% of the electrical usage in residential and	
Hourahan		commercial buildings – merely making building codes more stringent is not likely to	
3/4/08		result in the desired performance enhancement. Indeed, most HVAC purchasers do not	
		receive the energy- (not to mention comfort-) performance that they should when they	
		currently upgrade their systems to higher SEER or EER equipment. WHY ? because	
		the vast majority of today's HVAC systems (>85%) are not properly sized, selected,	
		installed, and maintained. Hence, a better focus, other than just increasing the label	
		efficiency on a piece of equipment, is to ensure that HVAC systems are installed	
		correctly and correctly maintained!	

Recognizing these deficiencies, the Air Conditioning Contractors of America (ACCA)	
over the past several years has taken the following actions to improve HVAC system	
design, installation, and operation:	
Quality Design & Installation: Spearheaded the industry creation of an ANSI	
recognized standard (2007) entitled HVAC Quality Installation Specification. This	
standard is available for free download from ACCA's website at www.acca.org/quality.	
o EPA is using the QI Standard as a basis for a new EnergyStar Quality Installation	
Program that they are rolling out this year.	
o Also on the same ACCA webpage is a free PDF piece aimed at consumers so that	
they can ensure that they receive a quality installation.	
o Currently, ACCA is working with industry stakeholders on the development of the	
'verification protocols' to ensure that the elements detailed in the QI Specification are	
achieved.	
We welcome Florida making its constituents aware of the above documents and	
activities.	
Residential Maintenance: ACCA has recently received ANSI recognition on a	
new standard Maintenance for Residential Systems that addresses ensuring that properly-	
installed residential HVAC equipment is maintained for peak performance.	
Commercial Maintenance: ACCA and ASHRAE have collaborated on a recent	
ANSI-recognized new standard (Standard 180) entitled Standard Practice for Inspection	
and Maintenance of Commercial HVAC Systems.	
System Cleanliness: If residential or commercial HVAC equipment have not	
been properly maintained, it may be necessary to bring the systems (coils, ductwork, etc.)	
back to as-installed condition. ACCA's ANSI-recognized standard Restoring the	
Cleanliness of HVAC Systems is aimed at this purpose.	
ACCA believes that these industry standards and best practices are the key to ensuring	
residential HVAC systems achieve improved performance and energy savings. The full	
citations for the standards I noted are listed below:	
Quality InstallationHVAC Quality Installation Specification, ANSI	
/ACCA 5 QI – 2007; Air Conditioning Contractors of America, 2800 Shirlington Road,	
Suite 200, Arlington, VA, 22206; tel: 703/575-4477; <u>www.acca.org</u>), 2007.	
Residential Maintenance Maintenance of Residential HVAC Systems, ANSI /	
ACCA 4 Maintenance of Residential HVAC Systems – 2007; Air Conditioning	
Contractors of America, 2800 Shirlington Road, Suite 200, Arlington, VA, 22206; tel:	

		703/575-4477; <u>www.acca.org</u>), 2007	
		Commercial Maintenance Standard Practice for Inspection and Maintenance of Commercial HVAC Systems, BSR / ASHRAE / ACCA Standard 180 – 2008; American Society of Heating, Refrigerating and Air-Conditioning Engineers, 1791 Tullie Circle, NE., Atlanta, GA; tel: 404/636-8400; <u>www.ashrae.org</u> , 2008.	
		System CleanlinessRestoring the Cleanliness of HVAC Systems, ANSI / ACCA 6 HVAC System Cleanliness – 2007; Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 200, Arlington, VA, 22206; tel: 703/575-4477; www.acca.org), 2007.	
		Currently, the California Energy Commission is exploring the adoption of the <i>Quality Installation Specification</i> as California's definition for quality HVAC installations (as opposed to California's existing Title-24 code requirements).	
		Vieira: We need it all –stronger codes and higher quality installation and maintenance. The recent work of ACCA and ASHRAE as well as DOE and EPA can help us get to where we need to be. We will work to incorporate these materials into our educational programs. Stewart: It is a very good idea to have more details on HVAC installation.	
Robert Donnelly PE 3/6/08	13-3, Ch 43	If the people who have to comply with the Florida Building Code do not have readily available standards to comply to, then the standards themselves will be difficult to enforce. Most of the standards listed in the subchapter 13-3 are not enforceable. The only way to properly enact required code enforced standards is to write the standard into the building code using "shall" instead of "should" were applicable. Use "shall be installed" instead of "suggested installation" where applicable and so on. You may find that the standards have a copyright which will not allow you to rewrite their standard into the building code.	
Ron and Betty Wigton 3/4/08		My wife and I are retired and living on the coast South of Tallahassee. I am having an increasing problem understanding how Crist remains so popular! The proposed changes just keeps kiting the price of building in FL. We need to get off of the coast because we are not rich, we worked for a living but developer oriented County commissioners and big profit oriented insurance companies are killing us. We have to cut into our IRA to pay these big bills. This kind of stuff doesn't help! From talking to others we are not	

	alone. There is no global warming, Gore's Nobel Prize was a travesty and his film a lie.	
	Who can we look to for help, We, not government, will take care of our own	
	problems!!!!	
Bill Eberle	To be effective, we do indeed need the whole package of better code, better installation	
3/5/08	and ongoing maintenance.	
	M&V (measurement and verification) is the ultimate determinate of our success and	
	needs to be considered for proposed solutions.	
	We're all well aware of current codes, that if properly implemented, would achieve the	
	benefits that were desired.	
	Progress Energy is in a position to "see" the direct result of measures on load shapes and	
	consumption profiles; simply closing the loop between an efficiency measure and its	
	proper implementation has a significant impact.	
	Education is critical. Duct seal is an excellent example; when we demonstrate to builders	
	better installation jumps. When the same group is clear on how best numps can be more	
	then 100% afficient implementation follows. Sizing charge and flow are part with	
	HVAC but the same concents apply to all areas of the energy code. Communication of	
	the intent or "why" component is critical as is the "teeth" in M&V	
Chuck	How best to meet the 15% reduction in energy use is to allow the cost of construction to	
Mayor	rise to the point that no new houses can be built. That will reduce energy consumption	
2/10/08	for sure	
5/10/08		
	On the revised code requiring existing air handlers and condensers to be changed at the	
	same time, (so they are matched for code reasons) will have an additional unintended	
	consequence. All the people who will have to go without air conditioning for extended	
	periods of time because of the additional cost will not be burning electricity. Of course	
	one must factor in all of the unlicensed people that will fill the prohibition void.	
	The proposed after the fact requirement of maintaining equipment at its peak efficiency	
	like when it was brand new will create jobs for energy monitors that will go door to door	
	disabling systems that are not running up to par. The energy monitors used to be	
	contractors that have nothing else to do so we will inadvertently improve the un-	
	employment numbers for the State as well.	
	I think the whole situation could be addressed by simply requiring the TAC member	
	from last months meeting to share his knowledge of how to reduce the capacity of a 5 ton	

		air conditioning system to a 3.5 ton system. I was very curious when he made his statement to the lady that was requesting Manual S from ACCA be included in the proper	
		system sizing options for contractors. He said that Bigger is Better and that he would	
		much prefer reducing the capacity of an oversized system than not ever being able to	
		increase the capacity of a system that is undersized.	
Gene	Appx 13-D Bldg	According to latest information on the Florida Solar Energy web site, walls only account	
Basham	Appx G-D Res.	for 6% of the overall energy load. Has there been a cost analysis done on increasing	
3/14/08	Forms 1100B, C	from R-4.1 in South and Central in Compliance Method B and from R-5 to R-6 in	
		Compliance Method C? This small R-value gain would certainly lessen the energy load	
		but seems questionable as having as great an impact as improving the envelope at the	
		roof level. A cooler attic impacts both the ceiling and HVAC performance, potentially	
		There are several approaches in achieving this objective including cool roofs, attic	
		radiant barriers, and roof deck insulation	
		Radiant barriers are the most mature and proven technology with credits already assigned	
		in the code. We are suggesting that you amend your proposal and would appreciate you	
		including my comments with those being presented to the Building Commission.	
D. Palmer	13-101.5	Please take a look at ASHRAE 90.1, Scope section 2, more specifically 2.2 and	
3/14/08		2.3. Section 2.2 is for the envelope of the building being exempt if unconditioned	
		by heating or cooling. Section 2.3 only exempts other items such as lighting etc. if	
		the building is not red by electricity of rossil fuels. Florida should not exempt	
		13-101.5 Exempt buildings. Buildings exempt from compliance with this chapter	
		include those described in Sections 13-101.5.1 through 13-101.5.7.	
		13-101.5.3 Any building which is neither heated nor cooled by a mechanical system	
		designed to control or modify the indoor temperature and powered by electricity or fossil	
		fuels shall be exempt from the requirements of Sections 13-401 through 13-411. Such	
		buildings shall not contain electrical, plumbing or mechanical systems which have been	
		designed to accommodate the future installation of heating or cooling equipment.	
Ron Bailey		I am for the reduction of the base glass loads to 15%, and increasing the SHGC of glass	
3/18/08		to meet lower energy standards. I am cautious about lowering the Total glass percentages	
		lower, without going to a graduated scale with a higher percentage for smaller affordable	
		homes. The reason is to assure that a home can still be ventilated without requiring air	

conditioning to have comfort. The larger the home square footage the lower the % of glass based of wall to glass ratio. Consider a penalty for homes over some square footage, making the larger homes have to be lower per square foot energy consumers.	
I am not for lowering the "U- factor" without careful study as to how it would affect using impact glass for hurricane protection.	
Higher seer equipment is readily available as a trade for the U- Values. I'd rather go with a higher seer base minimum.	
Review the multipliers for solar water heating and heat pump water heating	
Higher penalties for ducts and equipment out of conditioned spaces by basing the baseline on ducts and equipment in the conditioned space.	