- FORM R405-2020

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Red Door - Mayer Residence Street: 213 SW Heather Ct City, State, Zip: Ft White, FL, Owner: Design Location: FL, Gainesville	Builder Name: Red Door Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
1. New construction or existing New (From Plans) 2. Single family or multiple family Detached 3. Number of units, if multiple family 1 4. Number of Bedrooms 3 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 1704 Conditioned floor area below grade (ft²) 0 7. Windows(148.3 sqft.) Description Area a. U-Factor: Dbl, U=0.34 148.33 ft² SHGC: SHGC=0.23 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 1.500 ft Area Weighted Average SHGC: 0.230 8. Skylights Description Area Weighted Average SHGC: 0.230 8. Skylights Description Area Wighted Average SHGC: 0.230 9. Floor Types Insulation Area a. Slab-On-Grade Edge Insulation R= 0.0 1704.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(1576.0 sqft.) a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A R= ft² 11. Ceiling Types(1704.0 sqft.) b. N/A c. N/A R= ft² c. N/A R= ft² 11. Ceiling Types(1704.0 sqft.) b. N/A R= ft² c. N/A R= ft² 12. Ducts, location & insulation level a. a. Sup: Attic, Ret: Attic, AH: Garage b. c. 13. Cooling Systems c. Central Unit 14. Heating Systems a. Electric Heat Pump 15. Hot Water Systems a. Electric Cap: 40 gallons EF: 0.920 b. Conservation features
Glass/Floor Area:0.087 Total Proposed Modifie	
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:	Review of the 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 with Section 553.908 Florida Statutes. BUILDING OFFICIAL: DATE:

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.000 Qn for whole house.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

				PRO.	JEC	Γ							
Title: Building Type: Owner: Builder Name: Permit Office: Jurisdiction: Family Type: New/Existing: Year Construct: Comment:	Red Door - Mayer User Red Door Detached New (From Plans 2022		Bedroom Condition Total Sto Worst Ca Rotate Ar Cross Ve Whole He Terrain: Shielding	nedArea: ries: use: ngle: ntilation: ouse Fan;	Sub	ourban ourban	Lot # Blocl PlatE Stree Cour	k/SubDivisi Book: et:	ion: 21 Co	eet Addro 3 SW He Iumbia White,			
				CLIN	IATE								
Design Location		Tmy Site		Des 97.5%	ign Tem		nt Desig Winter		Heat Degree		Design Moisture		ly temp nge
FL, Gainesville)	FL_GAINESVILLE	REGIONA	32	9	2	70	75	1305	i.5	51	Medi	um
				BLO	CKS								
√ Number	Name	Area	Vo	lume									
1	Block1	1704	1363	2									
				SPA	CES								
Number	Name	Area	Volume	Kitchen	Occ	cupants	Bedr	ooms	Finis	hed	Coole	ed H	leated
1	Main	1704	13632	Yes		3	3	3	Yes		Ye	3	Yes
				FLO	ORS		(Total E	xpose	ed Are	a = 17	04 sq	.ft.)
√# FloorTy	pe	Space	Exposed	Perim	Perimet	erR-Valu	e Area	U-Fact	or Joist	R-Value	Tile V	Vood	Carpet
1 Slab-On-C	Grade Edge Ins	Main	19	7	0		1704	ft 0.54	7	2007	0.22	0.22	0.56
				RO	OF								
√# Type		Materials		Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor	SA Teste	Emitt d	Emitt Tested	Deck Insul.	Pitch (deg)
1 Hip		Metal	19	05 ft²	O ft ²	Medium	N	0.96	No	0.9	No	0	26.57
				AT	TIC								
√# Type		Ventilation	1	Vent F	Ratio (1	in) A	Area	RBS		IRCC			
1 Full attic		Vented			300	17	'04 ft²	N		N			
				CEIL	ING		(Total E	xpose	ed Are	a = 17	04 sq	.ft.)
√# Ceiling1	Гуре	· · · · · · · · · · · · · · · · · · ·	Space	R-V	alue	Ins. Type	Are	ea U-F	actor	Framing	Frac.	Trus	s Type
4 Handan Atti	c(Vented)		Main	38	3.0	Blown	1704	. Oft² O	.024	0.1	1	W	ood

INPUT SUMMARY CHECKLIST REPORT

								٧	VALL	.S		Τ)	otal	Ехро	sed	Area	= 157	76 sq.1	t.)
\/ #	: (Ornt		acent Fo	Wall Type		Space		Cavity R-Value	Wid Ft		Heig Ft		Area sq.ft.	U- Factor	Sheatl R-Valu		. Solar . Absor	Below Grade
	1 2 3 4 5 6	S & Z E S E		Exterior Exterior Exterior Exterior Garage Garage	Frame - Wood Frame - Wood Frame - Wood Frame - Wood Frame - Wood Frame - Wood		Maii Maii Maii Maii Maii Maii	า า า	13.0 13.0 13.0 13.0 13.0 13.0	29.0 44.0 50.0 30.0 21.0 23.0	0 0 0 0	8.0 8.0 8.0 8.0 8.0	0	232.0 352.0 400.0 240.0 168.0 184.0	0.084 0.084 0.084 0.084 0.084		0.23 0.23 0.23 0.23 0.23 0.23	0.20 0.20 0.20 0.20 0.20 0.20	0 % 0 % 0 % 0 % 0 %
DOORS (Total Exposed Area = 60 sq.ft.)																			
\/ #	t (Ornt		Adjacent	To DoorType		Space		St	orms		U-Val	ue		idth t In		eight t In	Are	a
=======================================	1 2 3	S N S		Exterio Exterio Garage	r Insulated		Main Main Main			None None None		0.4 0.4 0.4	16	3.00 3.00 3.00	0 0 0	6.00 6.00 6.00	8 6 8	20.0 19.5 20.0	5ft²
WINDOWS (Total Exposed Area = 148 sq.ft.)																			
\/ #	٤ (Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	lmp :	Storm	Area		O Depth	verhan Separ		Interior	Shade	Scre	ening
	1 S 2 V 3 N	1 V	1 2 3 3	Vinyl Vinyl Vinyl Vinyl	Low-E Double Low-E Double Low-E Double Low-E Double	Yes Yes Yes Yes	0.34 0.34 0.34 0.34	0.23 0.23 0.23 0.23	N N N	N N N	60.0ft ² 15.0ft ² 13.3ft ² 60.0ft ²	1. 1.	0 ft 6 in 0 ft 6 in 0 ft 6 in 0 ft 6 in	1.0 ft 1.0 ft	6 in 6 in	Drape Drape	s/blinds s/blinds s/blinds s/blinds	No No	one one one
								INFIL	TRA	1OIT	N .								
V #	ŧ 5	Scope)	Me	ethod	SL	A CF	M50	ELA	E	qLA	AC	Η .	ACH50			Space	(s)	
-	1	Who	olehou	ıse Prop	oosed ACH(50)	0.00	025 11	136	62.32	11	7.01	0.098	30	5.0			All		
								G	ARA	GE									
V #	ŧ		ſ	Floor Area		Roof Area	l	Expo	sed Wal	Perime	ter		Avg. W	/all Heig	ght	Exp	osed Wa	all Insulat	ion
_	1			457 ft²		457 ft ²			64 f	t				8 ft				1	
									MAS:	S									
\(\psi \)	ŧ	Mas	ss Typ	е		Are	ea		Thickn	ess	F	urnitur	e Fractio	on	9	Space			
_	1	Def	ault(8	lbs/sq.ft.)		0 1	t²		0 ft			0	.30			Main			
							Н	EATI	NG S	YST	EM								
\(\ \	ŧ	Sys	temTy	/pe	S	Subtype/S	peed	AHRI#	Ef	ficiency		pacity tu/hr	Entry		ermalHe wer	eatPum Volt (Ducts	Block
-	1	Elec	etric H	eat Pump		None/Si	ngle		HS	PF: 8.50) 2	6.6		0	.00	0.00	0.00 s	sys#1	1

, FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

					CO	OLI	NG SYS	TEM						
\ #	SystemType		Sub	otype/Spee	d A	AHRI#	Effici	ency	Capacity kBtu/hr		· Flow cfm	SHR	Duct	Block
1	Central Unit			None/Sing	e		SEER	:14.5 27	7.2	l	B16	0.82	sys#1	1
					НОТ	WA	TER SY	STEM						
V #	SystemType	Subtype		Location		EF(UE	F) Cap	Use	SetPnt	Fixture	Flow	Pipe Ins.	. Pipe	length
1	Electric	None		Garage	90	0.92 (0.	92) 40.00 ga	ıl 60 gal	120 deg	Stan	dard	None		99
F	Recirculation System		Control Type		Loop length	Branc length		DWHR	Facilitie Connec			DWHR Eff	Other	Credits
1	No				NA	NA	NA	No	NA	N	Ą	NA	Non	Э
						D	UCTS							
V Duct	Sup Location	ply R-Value Ar		Reti ation I	urn R-Value		Leakage ⁻	Гуре	Air Handler	CFM 25 TOT	CFM 25 OUT	QN		HVAC# eat Cool
1 At	tic	6.0 265 1	t² Attic		6.0	35 ft²	DefaultLea	ıkage	Garage	(Default) (Default)			1 1
					TE	MP	RATUI	RES						
Progra Coolin Heatin Ventin	ng [X] Jan	stat:Y []Feb [X]Feb []Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	O M[] M[]	ay	ans: N [X] Jun [] Jun [] Jun	[X] Jul [] Jul [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] O([] O([X] O	ct [X] Nov X] Nov X] Nov	[] Dec [X] Dec [] Dec
	rmostat Schedi edule Type	ule: HERS 20	006 Referen 1	ice 2	3	4	5	Ног 6	ırs 7	8	9	10	11	12
Coo	oling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Coo	oling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Hea	ating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
Hea	ating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX* = 100

The lower the EnergyPerformance Index, the more efficient the home.

213 SW Heather Ct,Ft White,FL,

1. New construction or ex	xisting	New (From	n Plans)	Wall Types(1576.0 sqft.)	Insulation	
2. Single family or multip	le family	De	etached	a. Frame - Wood, Exterior	R=13.0	1224.00 ft ²
3. Number of units, if mu	Iltiple family		1	b. Frame - Wood, Adjacentc. N/A	R=13.0 R=	352.00 ft ² ft ²
4. Number of Bedrooms			3	d. N/A	R=	ft ²
5. Is this a worst case?			No	11. Ceiling Types(1704.0 sqft.)	Insulation	
Conditioned floor area Conditioned floor area		•	1704 0	a. Under Attic (Vented) b. N/A c. N/A	R=38.0 R= R=	- 2
7. Windows**	Description		Area	12. Ducts, location & insulation level		R ft ²
a. U-Factor:	Dbl, U=0.34	1	48.33 ft ²	a. a. Sup: Attic, Ret: Attic, AH: Gar	rage	6 265.3
SHGC:	SHGC=0.23		- 2	b.		
b. U-Factor:	N/A		ft ²	C.		
SHGC:	A 1 / A		ft ²	13. Cooling Systems	kBtu/hr	Efficiency
c. U-Factor:	N/A		π	a. Central Unit	27.2	SEER:14.50
SHGC: Area Weighted Average	Overhang Dept	th:	1.500 ft			
Area Weighted Average	SHGC:		0.230	14. Heating Systems	kBtu/hr	Efficiency
8. Skylights U-Factor:(AVG)	Description N/A		Area N/A ft ²	a. Electric Heat Pump	26.6	HSPF:8.50
SHGC(AVG):	N/A			15. Hot Water Systems		
Floor TypesSlab-On-Grade Edge		sulation = 0.0 1	Area 704.00 ft ²	a. Electric	Cap	o: 40 gallons
b. N/A	R=		ft ²	b. Conservation features		EF: 0.920
c. N/A	R=	=	ft ²	5. Conscivation realties		None
				16. Credits		CF, Pstat

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.



Address of New Home: 213 SW Heather Ct

City/FL Zip: Ft White,FL,

2020 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA TABLE 402.4.1.1

AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA®

Project Name:

Red Door - Mayer Residence

213 SW Heather Ct

Builder Name: Red Door Permit Office:

Street: City, State, Zip:

Permit Number:

Ft White, FL,

Owner:	, , , , , , , , , , , , , , , , , , , ,	urisdiction:
Design Location		urisdiction: ounty: Columbia(Florida Climate Zone 2)
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
General requirements	A continuous air barrier shall be installed in the building envelo The exterior thermal envelope contains a continuous air barrier Breaks or joints in the air barrier shall be sealed.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	h The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.	
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.
Floors (including above-garage andcantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.	
Narrowcavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.
Garageseparation	Air sealing shall be provided between the garage and conditioned spaces.	
Recessedlighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the finished surface.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.
Electrical/phonebox on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.	
HVAC register boots	HVAC supply and return register boots that penetrate building thermal envelope shall be sealed to the sub-floor, wall covering or ceiling penetrated by the boot.	
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall onl be sealed in a manner that is recommended by the manufactur Caulking or other adhesive sealants shall not be used to fill voi voids between fire sprinkler cover plates and walls or ceilings.	rer.

Envelope Leakage Test Report (Blower Door Test) Residential Prescriptive, Performance or ERI Method Compliance 2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:
Job Information	
Builder: Red Door Community:	Lot: NA
Address: 213 SW Heather Ct	
City: Ft White State	e: FL Zip:
Air Leakage Test Results Passing results must meet	either the Performance, Prescriptive, or ERI Method
PRESCRIPTIVE METHOD-The building or dwelling unit shall be tested changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Clima	te Zones 1 and 2.
the selected ACH(50) value, as shown on Form R405-2020 (Performance) on ACH(50) specified on Form R405-2020-Energy Calc	r R406-2020 (ERI), section labeled as infiltration, sub-section ACH50.
x 60 ÷ 13632 = ACH(50) PASS When ACH(50) is less than 3, Mechanical Ventilation is must be verified by building department. R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/RE Testing shall be conducted by either individuals as defined in Section 553.993 489.105(3)(f), (g), or (i) or an approved third party. A written report of the result provided to the code official. Testing shall be performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating shall be conducted by the performed at any time after creating s	ESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals), 3(5) or (7), Florida Statues.or individuals licensed as set forth in Section allts of the test shall be signed by the party conducting the test and
During testing: 1. Exterior windows and doors, fireplace and stove doors shall be closed, but recontrolmeasures. 2. Dampers including exhaust, intake, makeup air, back draft and flue damper measures. 3. Interior doors, if installed at the time of the test, shall be open. 4. Exterior doors for continuous ventilation systems and heat recovery ventilated. Supply and return registers, if installed at the time of the test, shall be fully to the test, shall be fully to the test.	es shall be closed, but not sealed beyond intended infiltration control ors shall be closed and sealed. ned off,
Testing Company	
Company Name: I hereby verify that the above Air Leakage results are in accordance Energy Conservation requirements according to the compliance	
Signature of Tester:	Date of Test:
Printed Name of Tester:	
License/Certification#:	Issuing Authority:

2020 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA TABLE 402.4.1.1

AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA®

Project Name: Red Door - Mayer Residence Builder Name: Red Door Permit Office:

Street:

213 SW Heather Ct

Permit Number:

City, State, Zip: Owner:

Ft White, FL,

Jurisdiction:

Owner: Design Location:	FL, Gainesville Count		CHEC
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier,	Rim joists shall be insulated.	
Floors (including above-garage andcantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.	
Shafts,penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrowcavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garageseparation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the finished surface.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phonebox on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC supply and return register boots that penetrate building thermal envelope shall be sealed to the sub-floor, wall covering or ceiling penetrated by the boot.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids voids between fire sprinkler cover plates and walls or ceilings.		