

John R Feeney – Construction LLC

2841 SE 46th Way Trenton, FL 32693

November 12, 2013

Columbia County Building Department

To whom it may concern,

I am submitting a permit application for a Non-Structural Remodel Permit for the single family residence located at 185 SE Greg Place. I am going to list below the work to be performed.

- -Replace existing fence with new PT posts and 8' fence panels in same location as existing
- -Remove existing porch covering
- -Add concrete to bring both existing rear slabs to same level (averages less than 2" difference now)
- Build new 2x6 wall on rear porch, perpendicular to rear wall of home, which will serve as a place to mount new electrical service (Remainder of porch will have aluminum screen enclosure)
 - Pt. bottom plate and double top plate 2x6 wall studs 16" o c.
 - Secure bottom plate to slab with 3/8" wedge bolts within 8" of each end and max 24" o c.
 - Sheet both sides with 7/16 osb
 - House-wrap and side with concrete based lap siding.
- -Cover porch with composite aluminum panels and screen in (submitting 2 copies of engineering)
- Re-Roof with 30 year architectural shingle
- Replace HVAC with new heat pump unit
- Replace electrical service with new 200amp Overhead Feed and relocate mast
 - Add necessary receptacle to bring kitchen and baths to code
 - Add GFCI's at front and rear entrances as necessary
 - Add interconnected smoke detectors to all bedrooms and hall
- Encapsulate lead paint in carport, front entrance, and all soffits Lead Supervisor to perform work
- Interior drywall repair

20' Shortest Side		Linear Ft.		R-5		R-10		R-15	
Slab on Grade		162		53.0		13.8		12.2	
Heavy Dry or Light Wet Soil									
Vertical Edge Insul. 3' below grade				162					
Floor Over Open Crawl Space or Garage		Width		Length		R-11		R-30	
		X		X		3.0		2.0	
								1.4	
						7.5		2.7	
								1.9	
Floor Over Extended Unconditioned Crawl Space or Unconditioned Basement		Width		Length		R-11		R-30	
		X		X		3.36		2.50	
								1.87	
						0.47		0.32	
								0.22	
Infiltration Ceiling Area		Height		Mins.		Total CFM		HTD	
1430		8		50		61		39	
								CTD	
						30		17	
Fireplaces		CFM		People					
X		20		X					
Number of People				230					
Kitchen Allowance				Average		or		Designer	
				1200				2400	
Duct Loss/Gain		Supply Air Duct Leakage and 6% Return Air Duct Leakage		6% X heating subtotal		8% X cooling subtotal		Subtotal	
		9% Supply Air Duct Leakage and 15% Return Air Duct Leakage		9% X heating subtotal		15% X cooling subtotal		21848	
		12% Supply Air Duct Leakage and 24% Return Air Duct Leakage		12% X heating subtotal		24% X cooling subtotal		1966	
		24% Supply Air Duct Leakage and 47% Return Air Duct Leakage		24% X heating subtotal		47% X cooling subtotal			
		35% Supply Air Duct Leakage and 70% Return Air Duct Leakage		35% X heating subtotal		70% X cooling subtotal			
Blower Heat								1.707	
								23814	
								23824	
Latent Infiltration Gain		Grains		Cooling Infiltration CFM		Fireplace CFM		1101	
		54		X					
Latent for Occupants		number of people		Cooling Infiltration CFM		Fireplace CFM		800	
		200		X					
Latent for Ducts in Unconditioned space		Grains		Cooling Infiltration CFM		Fireplace CFM		1620	
		54		X					
								3521	
								TOTAL LOAD	
								23814	
								27395	

- Interior painting
- Interior flooring replacement
- Add insulation to R-38 in attic
- Replace some interior doors

Feel free to contact me with any questions.

Sincerely,

John Feeney
State Certified Building Contractor
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