

Florida Energy Efficiency Code For Building Construction

EnergyGauge Summit® Fla/Com-2010, Effective Date: March 15, 2012 -- Form 506-2010
Prescriptive Envelope Compliance for Shell Buildings

PROJECT SUMMARY

Short Desc: RefProj

Description: New Project

Owner: Enter Owner's name here

Address1: 1234 Any Street

City: Anywhere

Address2: Enter Address here

State: FL

Zip: 12345

Type: Office

Class: New Shell building

Jurisdiction: ALACHUA COUNTY, ALACHUA COUNTY, FL (111000)

Conditioned Area: 10000 SF

Conditioned & UnConditioned Area: 10000 SF

No of Stories: 1

Area entered from Plans 0 SF

Permit No: 0

Max Tonnage 50

If different, write in: _____

Compliance Summary

Component	Design	Criteria	Result
SHELL ENVELOPE PRESCRIPTIVE			FAILS
Met all required compliance from Check List?			Yes/No/NA

IMPORTANT MESSAGE

Info 5009 -- -- -- An input report of this design building must be submitted along with this Compliance Report

CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code

Prepared By: John Doe

Building Official: _____

Date: _____

Date: _____

I certify that this building is in compliance with the FLorida Energy Efficiency Code

Owner Agent: _____

Date: _____

If Required by Florida law, I hereby certify (*) that the system design is in compliance with the Florida Energy Efficiency Code

Architect: _____

Reg No: _____

Electrical Designer: _____

Reg No: _____

Lighting Designer: _____

Reg No: _____

Mechanical Designer: _____

Reg No: _____

Plumbing Designer: _____

Reg No: _____

(*) Signature is required where Florida Law requires design to be performed by registered design professionals.

Project: RefProj
 Title: New Project
 Type: Office
 (WEA File: FL_GAINESVILLE_REGIONAL_AP.tm3)

Prescriptive Envelope Compliance

Item	Zone	Description	Design	Criteria Meet Req.
Glass	Pr0Zo1	Percent glass Max allowed	16.000	50.000 Yes
Pr0Zo1Wa1	Pr0Zo1	Exterior Wall: UValue Max allowed	.025	0.032 Yes
Pr0Zo1Wa1	Pr0Zo1	Exterior Wall: Absorptance Max allowed	.200	0.300 Yes
Pr0Zo1Wa1Wi	Pr0Zo1Wa1	Exterior Window: SHGC Max allowed	.200	0.190 No
Pr0Zo1Wa1Wi	Pr0Zo1Wa1	Exterior Window: UValue Max allowed	2.000	0.450 No
Pr0Zo1Wa1Wi	Pr0Zo1	Exterior Window: Projection Factor - Minimum Required	.000	0.500 No
Pr0Zo1Wa2	Pr0Zo1	Exterior Wall: UValue Max allowed	.025	0.032 Yes
Pr0Zo1Wa2	Pr0Zo1	Exterior Wall: Absorptance Max allowed	.200	0.300 Yes
Pr0Zo1Wa2Wi	Pr0Zo1Wa2	Exterior Window: SHGC Max allowed	.200	0.190 No
Pr0Zo1Wa2Wi	Pr0Zo1Wa2	Exterior Window: UValue Max allowed	2.000	0.450 No
Pr0Zo1Wa2Wi	Pr0Zo1	Exterior Window: Projection Factor - Minimum Required	.000	0.500 No
Pr0Zo1Wa3	Pr0Zo1	Exterior Wall: UValue Max allowed	.025	0.032 Yes
Pr0Zo1Wa3	Pr0Zo1	Exterior Wall: Absorptance Max allowed	.200	0.300 Yes
Pr0Zo1Wa3Wi	Pr0Zo1Wa3	Exterior Window: SHGC Max allowed	.390	0.190 No
Pr0Zo1Wa3Wi	Pr0Zo1Wa3	Exterior Window: UValue Max allowed	.670	0.450 No
Pr0Zo1Wa3Wi	Pr0Zo1	Exterior Window: Projection Factor - Minimum Required	.000	0.500 No
Pr0Zo1Wa4	Pr0Zo1	Exterior Wall: UValue Max allowed	.025	0.032 Yes
Pr0Zo1Wa4	Pr0Zo1	Exterior Wall: Absorptance Max allowed	.200	0.300 Yes
Pr0Zo1Wa4Wi	Pr0Zo1Wa4	Exterior Window: SHGC Max allowed	.390	0.190 No
Pr0Zo1Wa4Wi	Pr0Zo1Wa4	Exterior Window: UValue Max allowed	.670	0.450 No
Pr0Zo1Wa4Wi	Pr0Zo1	Exterior Window: Projection Factor - Minimum Required	.000	0.500 No
Skylights	Pr0Zo1	Percent Skylight Max allowed	1.000	5.000 Yes
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof UValue Max allowed	.026	0.025 No
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof: Absorptance Max allowed	.200	0.220 Yes
Pr0Zo1Rf1Sk1	Pr0Zo1Rf1	Skylight: SHGC Max allowed	.490	0.190 No
Pr0Zo1Rf1Sk1	Pr0Zo1Rf1Sk1	Skylight: UValue Max allowed	.690	1.360 Yes

DOES NOT meet Shell Envelope Requirements -- FAILS

Info 5017 -- -- -- Important Warning: Total Building Performance calculation will still be required upon build out of the spaces. It is highly recommended that the shell be built keeping in mind the stringency of the Total Building Performance Compliance Method at the final stage. Running a trial of the Total Building Performance calculation is encouraged.