

Combination smoke and carbon monoxide detectors

Project Description: Build a 499SF single level single family.

CODES:  
 IRC 2009 - Single Family  
 NFPA 2009 - Sprinkler System 13D

NFPA 101  
 3.3.32.5 New Building  
 6.1.8.1 Residential Occupancy  
 6.1.8.1.1 Single Family Dwelling Unit  
 6.2.2.3 Ordinary Hazard of Contents  
 7.3.1 Occupancy load: 200  
 Gross 501sf = 3 Occupants  
 Number of Exits = 2

IECC - Climate Zone 6  
 402.1.1 Fenestration U-Factor 0.35  
 Ceiling R-Value 49  
 Wall R-Value 21  
 Slab R-Value 10

Zoning- Land Use Code Chapter 14  
 Zone: R-6  
 Side Setback: 5'  
 Rear Setback: 10'  
 Front Setback: 1' = the average depth of the front yards  
 43 Chapel St = 2' and 0 Chapel St = 0'

List of Drawings

- A1.0 - Architectural Plans- Elevations- Life Safety
- S1.0-Structural
- S1.1 - Structural
- C1.0 -Site Plan
- SR1.0 - Survey
- SR1.1- Street Documentation
- RES-REScheck

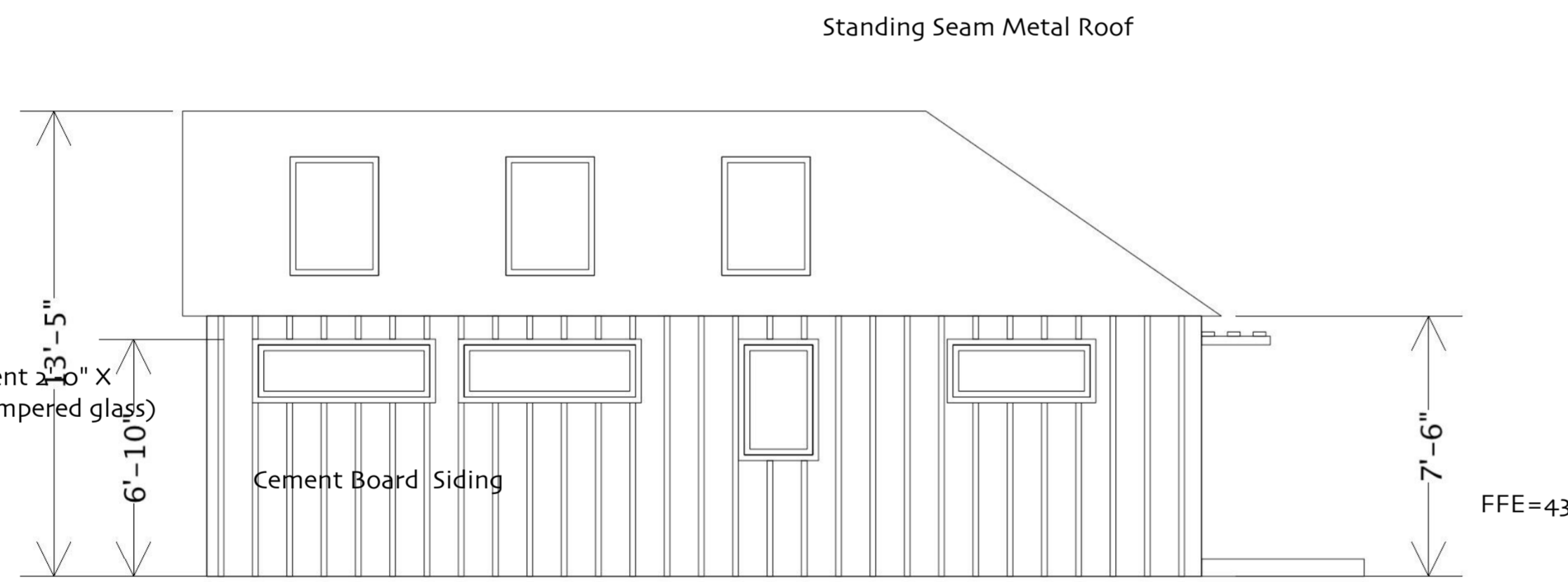
Component	Assembly	Gross Area or Slab Perimeter	Cavity Insulation R-Value	Continuous Insulation R-Value	U-Factor	Depth of Insulation
1 Ceiling	Cathedral	714 ft <sup>2</sup>	58	49	0.01	
2 Skylight	Vinyl Frame, 2 Pane w/ Low-E	40 ft <sup>2</sup>			0.55	
3 Wall	Wood Frame, 16in. o.c.	765 ft <sup>2</sup>	29.2	23.1	0.021	
4 Window	Vinyl Frame, 2 Pane w/ Low-E	156 ft <sup>2</sup>			0.35	
5 Door	Glass	40 ft <sup>2</sup>			0.35	
6 Floor	Unheated Slab-On-Grade	110 ft		10	0.9	0.8 ft

Compliance Method: UA-Trade Off +3.7% Max. UA: 218 Your UA: 210

Skylights:  
 (3) fixed 31" X 47"

Windows:  
 (2) fixed 5'-0" X 1'-6" (1) casement 2'-0" X 3'-0" (1) awning 4'-0" X 1'-6" (tempered glass)

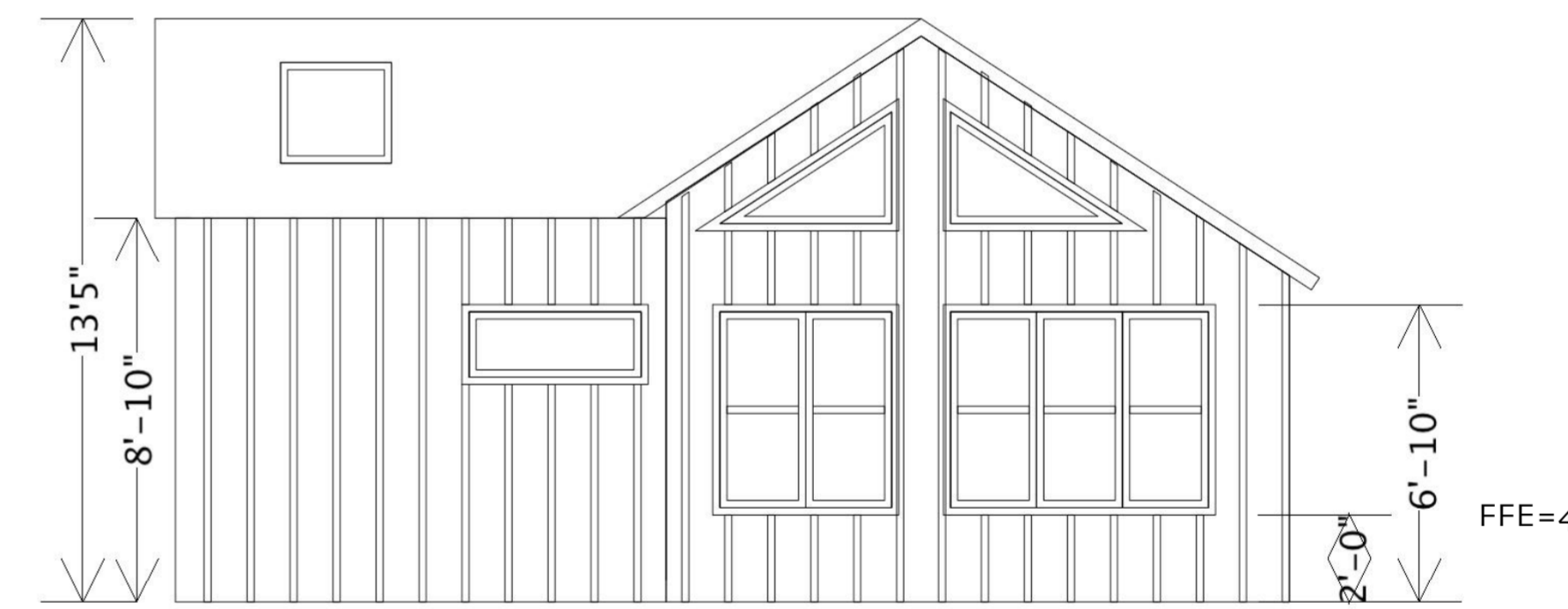
Show with Tempered Glass as per R308.4



SOUTHWEST ELEVATION  
 1/4" = 1'-0"

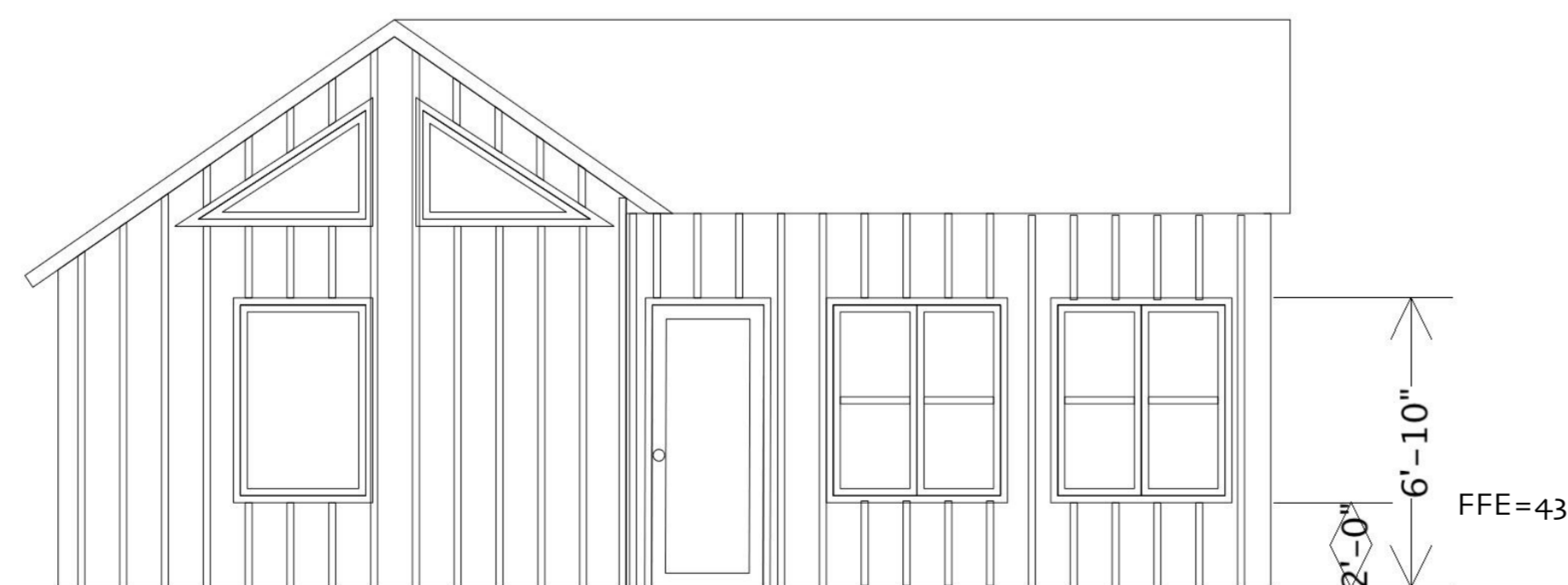
Skylights:  
 (1) fixed 31" X 47"

Windows:  
 (1) fixed 4'-0" X 1'-6"  
 (2) triangle fixed, 4'-0" X 3'-0"  
 (6) double hung 2'-0" X 4'-8"



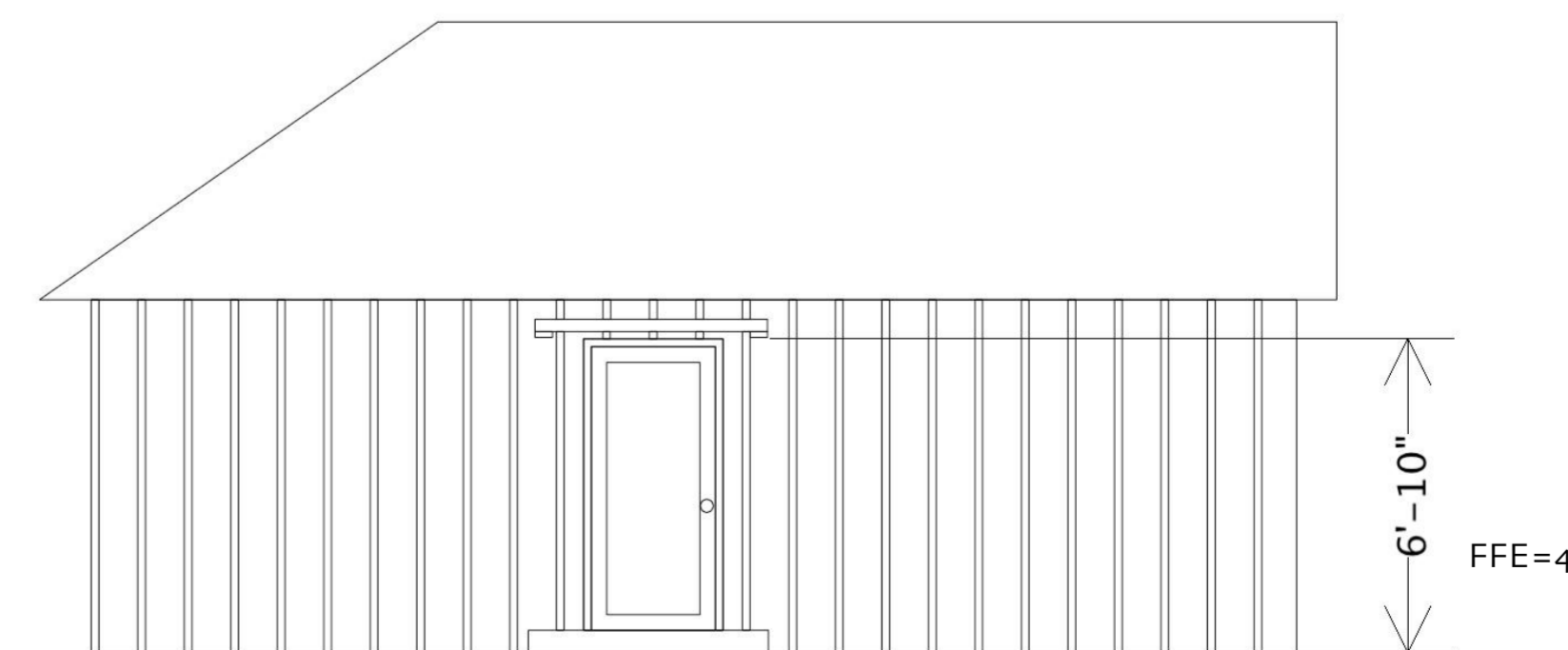
NORTHWEST ELEVATION  
 1/4" = 1'-0"

Windows:  
 (2) triangle fixed, 4'-0" X 3'-0"  
 (1) casement (egress) 3'-0" X 4'-8"  
 (4) double hung 2'-0" X 4'-8"  
 Door:  
 (1) 3'-0" X 6'-8"



NORTHEAST ELEVATION  
 1/4" = 1'-0"

Door:  
 (1) 3'-0" X 6'-8"



SOUTHEAST ELEVATION  
 1/4" = 1'-0"

"The Cottage on Chapel"

49 Chapel Street Portland, Maine

Federal Street Phoenix LLC  
 PO Box 15341  
 Portland, ME 04112  
 Phone: 207-518-7038  
 E-mail: brentadler@gmail.com

Date: 4/10/17  
 Rev1 6/6/17  
 Rev2  
 Rev3

A1.0