

CRAWFORD COUNTY BUILDING AND ZONING DEPARTMENT

200 West Michigan Avenue

Grayling, Michigan 49738

Phone: 989-344-3233 Fax: 989-348-1016

Building Owner: _____ Builder Name _____

Site Address: _____ Township _____

Permit #: _____

General Building Description: _____

Phone _____ Date _____

MUEC PRESCRIPTIVE COMPLIANCE APPROACH WORK SHEET

Rule	MINIMUM BUILDING ENVELOPE INSULATION CRITERIA	R-VALUE	YES	NO
1074	WALL INSULATION	R-15		
1076	ROOF / CEILING INSULATION	R-38		
	SKYLIGHTS EQUAL TO 10% OR LESS ROOF CEILING AREA			
	R-VALUE OF SKYLIGHTS EQUAL TO SIDE WALL FENESTRATION R-VALUE			
1075	PERCENT OF FENESTRATION* (WINDOWS, DOORS, ECT.)	FENESTRATION R-VALUE		
(1)	15% OR LESS OF GROSS WALL AREA*	RULE 1071 (7)	R-1.9	
(2)	OVER 15%		R-2.5	
(3)	GREATER THAN 20% (REQUIRES TRADE-OFF OPTION) • <i>select one or more options</i>			
1083	<input type="checkbox"/> a) HIGH EFFICIENCY HVAC: 90% + WARM AIR FURANCE			
	12 + SEER AIR CONDITIONING			
	83% + HOT WATER BOILER			
	3.0 + COP GS HEAT PUMP SYSTEM			
	<input type="checkbox"/> b) HIGH-EFFICIENCY WINDOWS, DOORS: R-3.5			
	<input type="checkbox"/> c) WALL INSULATION: R-19			
	<input type="checkbox"/> d) BASEMENT INSULATION*: R-19			
	<input type="checkbox"/> e) AIR LEAKAGE CONTROLS*: (MAX. 0.50 ACH) <input type="checkbox"/> DOCUMENTATION <input type="checkbox"/> BLOWER DOOR			
	FOUNDATION INSULATION			
1077	FLOORS OVER UNCONDITIONED SPACES	R-30		
1078	SLAB - ON - GRADE FLOORS*	UNHEATED R-5		
		HEATED R-10		
1079	CRAWL SPACE WALLS* (SUPPORTING UN-INSULATED FLOOR)	R-5		
1080	FINISHED LOWER LEVELS WALLS	R-5		
1081	EXPOSED BASEMENT WALLS* IN EXCESS OF 7% GROSS WALL AREA	R-5		

Builder Signature _____ License Number _____

*** CLARIFICATIONS:**

- 1) Fenestration Area _____ sq.ft. = _____ X 100 = _____ % Fenestration Area
Gross Wall Area _____ sq.ft.
- 2) Gross Wall Area: Insulated wall area, including windows, doors, and opaque walls.
- 3) Basement Insulation: Interior or exterior application extending from top of wall to floor.
- 4) Air Leakage: Recessed lights to be "air tight" and labeled indicating compliance with state of Washington restricted air flow requirements.
- 5) Slab Insulation: Shall extend downward from the top of the slab for a minimum of 24 inches or downward to at least the bottom of the slab and then horizontally for a total of 24 inches.
- 6) Crawl Space Wall Insulation: Shall extend vertically from the top of the foundation wall and also extend at least 24 inches below grade, or a combined vertical and horizontal distant of 24 inches.
- 7) Exposed Basement Walls: Uninsulated exposed walls must be less than 7% of "Gross Wall Area".

ELECTING A TRADE-OFF DOES NOT EXEMPT CONFORMANCE WITH OTHER REQUIREMENTS OF THE PRESCRIPTIVE APPROACH OR AIR LEAKAGE CONTROL REQUIREMENTS.