

**CHESTERFIELD TOWNSHIP BUILDING DEPARTMENT
MICHIGAN UNIFORM ENERGY CODE**

**ENERGY WORKSHEET
Prescriptive Approach**

Project Address : _____ Lot # : _____ Subdivision : _____
Name of Builder/ Owner: _____ Phone # _____

Complete all of the following sections and attach supporting documentation as necessary. Incomplete forms will cause delays in the issuance of a permit.

Section 1- Indicate the proposed type, R-Value and thickness of insulation for the following building components (Indicate N/A where the building component is not applicable)

Building Component	Type	R-Value	Min. R-Value	Thickness
Wall/band Joist			R -21	
Ceilings			R -49	
Floors over unheated spaces (i.e. bays ,etc.)			R -21	
Unheated slabs (above grade or ≤ 12" below grade)			R -11	
Heated slabs (above grade or ≤ 12" below grade)			R -11	
Crawl space walls			R -20	
Finished lower level walls			Outside R -10 Inside R-11	

Section 2 - Indicate the square feet of the gross exterior wall area S.F.
Indicate the square feet of fenestration openings (i.e. windows, doors, etc.)..... S.F.
Indicate the percent of fenestration (fenestration area divided by gross ext.wall area)..... %
For fenestration percentages up to & including 15%, R-1.9 components are required.
For fenestration percentages over 15% up to & including 20%, R-2.5 components are required.
For fenestration percentages over 20% , a trade-off option is needed (see the code).
Indicate the R -value proposed for fenestration openings.
Windows (including basement windows) _____ Doors _____ Skylights _____
Submit manufacture documentation verifying that the R values indicated above are certified or labeled. Air leakage shall not exceed .37 cfm per lineal foot of sash crack at 15 mph wind pressure.
If over 20%, indicate the trade-off option proposed _____

Section 3 - Indicate the S.F. feet of basement walls that are uninsulated and exposed above grade.... S.F.
Indicate the percentage of exposed wall (S.F. of exposed wall divided by S.F. of gross ext. wall) _____ %
If the percent of uninsulated /exposed basement wall exceeds 7%, that portion shall be insulated, If over 7%, indicate the proposed R - value and type of insulation proposed for the area in excess of 7%.
_____ (Min R -5)

Section 4 - Prepared by: _____ Date: _____ Phone# _____
(Print)

Signature: _____

**MICHIGAN UNIFORM CODE
TABLE 1074
PRESCRIPTIVE COMPLIANCE APPROACH
BUILDING ENVELOPE INSULATION CRITERIA**

BUILDING COMPONENT	ZONE #1	DESCRIPTION
R - 408.31074 Walls	R - 21	
R - 408.31075 Fenestration/ openings	R=2.85 U=0.35	
Up to & including 15% gross exterior wall area	R - 1.9	
Over 15% and including 20% gross exterior wall area	R - 2.5	
Over 20% gross exterior wall area		Refer to building envelope opening allowance trade - off options (R-108.31083)
R - 408.31076 Roof/ Ceiling Skylights follow fenestration requirements for R Values & are limited to 10% of the gross roof/ceiling area	R - 49	
R - 408.31077 Floors over uninsulated spaces (including outdoor overhangs)	R - 21	
R - 408.31078 Slab-on-grade floors Unheated slabs Heated slabs	R - 5 R - 11	
R - 408.31079 Crawl space walls	R - 20	
R - 408.31080 Finished lower level walls - inside	R - 11	
R - 408.31081 Exposed basement walls (more than 7% of the gross exterior wall area)	R - 10	

CONTRACTOR:

ADDRESS/ LOT #:

SQ. FT:

DATE:

February 27, 2009 jb