

NORTH CAROLINA TRADE-OFF WORKSHEET

Attach to Appendix J Prescriptive Compliance Worksheet. It is only necessary to fill out for an assembly(s) of the envelope that falls below the specified R-value Table 3905. This is not the only method to show BTU-for-BTU evaluation.

Zone (Zone 11 - Chapter 39)

NOTE: Walls must meet minimum R-9

Builder Name: _____ Date: _____

Address: _____

Submitted By: _____ Phone No: _____

Building Address: _____

Legal Description: Lot: _____ Section: _____ County: _____

General Building Description: _____

YOUR HOUSE

CODE HOUSE

ROOF/CEILING

Clg/Attic area _____ /R_____ = [_____]

Cath clg area _____ /R_____ = [_____]

Total area _____

Subtotal Roof 3. [_____]

ROOF/CEILING

A. Area _____ /R-.38 = [_____] B.

WALL

Opaque area _____ /R_____ = [_____]

Door area _____ /R_____ = [_____]

Slider area _____ /R_____ = [_____]

Window area _____ /R_____ = [_____]

Window area _____ /R_____ = [_____]

Skylight area _____ /R_____ = [_____]

10. Other area _____ /R_____ = [_____]

Subtotal Wall 11. [_____]

Glass door and window glazing area / gross heated floor area = _____ %

WALL

C. Opaque area _____ /R-15 = [_____] D.

Note: Stud wall use R-16; solid wood walls with weight.

min. 20 PSF may use R-9. Total opaque wall areas must be \geq R-9. 6" logs are rated R-7.4

E. Door area _____ /R-1.66 = [_____] F.

Doors with glass are listed with windows.

G. Window area _____ /R_____ = [_____] H.

Up to 23% R-1.9; >23% < 33% R-2.7; 33% or more R-3.5

FLOOR

2. Floor area _____ /R_____ = 13. [_____]

and/or

4. Slab perim. (ft) _____ x depth (ft) _____
/slab edge insulation R-_____ = 15. [_____]

FLOOR

I. Floor area _____ /R.19 = [_____] J.

K. Slab perim. (ft) _____ x depth (ft) _____
/slab edge insulation R-7 = [_____] L.

BASEMENT WALL

6. Opaque area _____ /R_____ = 17. [_____]

BASEMENT WALL

M. Opaque area _____ /R_____ = [_____] N.

Refer to E-2502 for required value.

CRAWL SPACE WALL

8. Area _____ /R_____ = 19. [_____]

CRAWL SPACE WALL

O. Area _____ /R-5.88 = [_____] P.

TOTAL OF 3, 11, 13, 15, 17, 19.....20. [_____] TOTAL OF B, D, F, H, J, L, N, P... [_____] Q.

Line 20 (Your House Total) must be less than or equal to line Q (Code House Total).

COMPLIANCE CERTIFICATION

This house meets the requirements of the North Carolina Energy Code.

Builder / Designer _____

Company Name _____

Date _____

Building Official _____

Jurisdiction _____

Date _____