

**ENERGY CONSERVATION FORM**  
TO BE FILED WITH PERMIT

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_

BLDG. ADDRESS: \_\_\_\_\_

**PART 1: CALCULATIONS FOR HEATED AREAS ONLY**

	COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
	HEATED BASEMENT	1ST FLOOR	2ND FLOOR	MEZZANINE
1. CALCULATE BUILDING PERIMETER FOR ALL HEATED AREAS. (LIN. FEET)				
2. ENTER WALL HEIGHT (FEET) FOR EACH FLOOR.				
3. MULTIPLY LINE NO. 1 BY LINE NO. 2 TO OBTAIN EXTERIOR WALL AREA FOR EACH FLOOR (SQ. FT.)				
4. CALCULATE TOTAL WINDOW AREA FOR EACH FLOOR INSULATED GLASS (SQ. FT.) UNINSULATED GLASS (SQ. FT.)				
5. CALCULATE TOTAL EXTERIOR DOOR AREAS FOR EACH FLOOR (SQ. FT.) UNINSULATED DOORS (SQ. FT.) INSULATED DOORS (SQ. FT.)				
6. ADD GLASS AND DOOR AREAS FROM LINE NO. 4 AND LINE NO. 5 AND ENTER HERE FOR EACH FLOOR				
7. CALCULATE TOTAL EXTERIOR HEATED FRAMED AREA FOR EACH FLOOR BY SUBTRACTING LINE NO. 6 FROM LINE NO. 3				
8. CALCULATE WOOD AREA. MULTIPLY LINE NO. 7 BY APPLICABLE PERCENTAGE SHOWN FOR EACH FLOOR.	STUD RAFTER JOIST	%	%	%
	FOR 24" O.C. USE 6.25% FOR 16" O.C. USE 9.37%	AREA	AREA	AREA
9. CALCULATE WALL CAVITY (INSULATION AREA) FOR EACH FLOOR. SUBTRACT LINE NO. 8 FROM LINE NO. 7				
10. TOTAL WALL FRAMING AREA. ADD VALUES ON LINE NO. 7, COLUMNS 1, 2, 3, 4 AND ENTER TOTAL	TOTAL →			
11. CALCULATE CATHEDRAL FRAMING AREA (FRAMING AREA = FA)				
12. CALCULATE CATHEDRAL WOOD AREA (FA FROM LINE 11)x(6.25% OR 9.37%)				
13. CALCULATE CATHEDRAL CAVITY AREA (SUBTRACT LINE 12 FROM LINE 11)				
14. CALCULATE NON CATHEDRAL FRAMING AREA (FRAMED AREA = FA)				
15. CALCULATE NON CATHEDRAL WOOD AREA (FA FROM LINE 14)x(6.25% OR 9.37%)				
16. CALCULATE NON CATHEDRAL CAVITY AREA (SUBTRACT LINE 15 FROM LINE 14)				
17. CALCULATE FLOOR AREA OVER NON-HEATED SPACE				
18. CALCULATE FLOOR WOOD AREA (FA LINE 17)x(6.25% OR 9.37%)				
19. CALCULATE FLOOR CAVITY AREA (SUBTRACT LINE 18 FROM LINE 17)				
20. CALCULATE FLOOR AREA OVER CRAWL SPACE				
21. CALCULATE SKYLIGHT AREAS				

SEE BACKSIDE FOR PART II

