

ROOF LOADING DATA SHEET

Authority: 1972 PA 230

Completion: Completed prior to application for plan review and building permit. This form is a voluntary form used to assist in the permit approval process.

Applicant's Name:	Telephone Number
Applicant's Job Address:	Township:
Applicant's Mailing Address:	City:
State:	Zip Code:
Applicant's Signature:	Email Address:

This form shall be completed by the builder, designer, architect of record, or engineer of record. Complete the following items described below. For C (e) C (t) and I place an "x" in the box to the right of the item that best describes the structure.

Ground Exposure, P(g) = From Figure R301.2(5) MRC or Figure 1608.2 MBC

Exposure Factor, C (e)

Exposure	Fully Exposed	Partially Exposed	Sheltered
A Large City Center with at least 1/2 the buildings exceeding 70 ft in height.	n/a	1.1	1.3
B Urban and suburban areas, wooded areas or other terrain with closely spaced objects	0.9	1.0	1.2
C Open Terrain with scattered obstructions having heights less than 30 ft. (flat open country).	0.9	1.0	N/A
D Flat unobstructed areas exposed to wind flowing over open water for a distance of at least 1/2 mile. (Great Lakes).	0.8	0.9	N/A

1. Fully Exposed: Roofs exposed on all sides with no shelter by terrain, higher, or trees.
2. Partially Exposed: All roofs except those designated as "fully exposed" or "sheltered."
3. Sheltered: Roofs located tight among conifers that qualify as obstruction.

Thermal Factor, C(t)

Thermal Condition	C(t)
All structures except as listed below:	1.0
Structures kept just above freezing and those with cold, ventilated roofs with an R value 25 or greater between the ventilated and heated space, such as attics.	1.1
Unheated structures and those intentionally kept below freezing, such as seasonal building or storage building.	1.2
Continuously heated greenhouse with a roof R value less than 2 and having an interior temperature maintained at about 50 degrees 3 ft. above the floor during winter months and a temperature alarm system or an attendant to warn of a heating failure.	0.85

4. These conditions shall be representative of the anticipated conditions during winter months for the life of the structure.

Importance Factor, I

Category	
I Buildings and other structures representing low hazard to human life, i.e. Agricultural, Temporary Facilities, and Minor Storage Facilities.	0.8
II All buildings except those listed in Categories I, III, and IV.	1.0
III Buildings and other structures representing substantial hazard to human life in the event of failure.	1.1
IV Buildings and other structures designated as essential facilities.	1.2

Active Live Load

Entire Attic	Y/N
Specific Areas (if yes, list areas below)	Y/N
List Rooms:	