

**OSCEOLA COUNTY
ROOF LOADING DATA SHEET**

Authority: 1972 PA 230
 Completion: This form is to be completed and given to the building official with the application for plan review and building permit. The applicant shall give a copy of the completed form to the truss manufacturer.

Jurisdictional information should be included in this space	
Township	County
	OSCEOLA

Applicant's Name: _____ Phone Number: _____
 Applicant Address: _____
 City: _____ State _____ Zip: _____
 Applicant's Signature: _____ Date: _____
 Job Location: _____

Where prescriptive design is used, the ground snow load, P_g , from Table R301.2(1) shall be used as the design roof snow except, where section r802.10.2.1 applies the design roof snow load shall be $.7P_g$. Additional unbalanced loads for drifting across the ridge are not required. Where engineered design is used, this form is to be completed by the permit applicant or design professional. The flat roof snow load, P_f is defined as: $P_f = .7P_g(C_e)(C_t)(I)$. For factors C_e , C_t , and I , place and "X" in the appropriate box below that best describes the structure and the particular jobsite and substitute the corresponding values in the formula above. The result is the flat roof snow load and is applied as the truss top chord live load, TCLL1. All live loads and snow loads, including unbalanced loads and minimum loads, are to be applied per ASCE 7, chapters 4 and 7 and this code.

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

Exposure Factor, C (e) 1609.4

Exposure		Fully Exposed *1		Partially Exposed *2		Sheltered *3	
A	Large City enter with at least 1/2 of the building exceeding 70ft.	N/A		1.1		1.3	
B	Urban and suburban areas, wooded areas or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger.	0.9		1.0		1.2	
C	Open Terrain with scattered obstructions having heights generally less than 30ft. (flat open country, grasslands and all water surgaces in hurricane-prone regions).	0.9		1.0		N/A	
D	Flat unobstructed areas exposed to wind flowing over open water for a distance of at least 1 mile. (i.e. Great Lakes.)	0.8		0.9		N/A	

Mark only one of the 9 boxes under the exposure factor with an "X" in grayed out boxes.
 *1 Fully exposed: Roofs exposed on all sides with no shelter by terrain, higher structures, 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 obstructions.

Thermal Factor C (t)

Thermal Condition *4	C (t)
All structures except as listed below	1.0
Structures kept just above freezing and those with cold, ventilated roofs with an R factor of 25 or greater between the ventilated and heated spaces, such as attics.	1.1
Unheated structures and those intentionally kept below freezing, such as seasonal building or storage buildings.	1.2
Continuously heated greenhouse with a roof R Value less than 2 and having a 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

Mark only 1 of the 4 boxes under the Thermal Factor with an "X"
 *4 These conditions shall be representative of the anticipated conditions during winter months for the life of the structure.

Importance Factor 1604.5

Category	I
I Building and other structures representing low hazard to human life, i.e.; Agricultural, Temporary, and Minor Storage Facilities	0.8
II All buildings except those listed in Categories III and IV.	1.0
III Building 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

Mark only 1 of the 4 boxes under the Importance Factor with an "X"

Note: All roof trusses have additional live (storage) loads applied to the bottom chord where required per Table R301.5.