

Barrette Structural Distribution, Inc. is proud to announce its new version of TRIFORCE[®] Analyzer (Plugin). This update contains small bug fixes and new improvements:

Safe Load / Moving load application

The Safe load / Moving load entries in CSD iStruct interface are now automatically transferred and consumed by our TRIFORCE design engine (below).

t Description Loadin	g Floor/Roof Compositio	n WebHoles Job Info		
Description: W1 Flood Zone: NON fl		ood	Type / Magnitude	
0	Location(n)		Offices, Computer Rooms	
Type: O Static Moving Self-Weight	0*	End 16' From: O Left O Right		
Applied to	Distribution	Perpendicular Width		
Top Bottom Front	C Area Load Uniform Load	Use Joist/Beam Width, Centered, Angle = 0 Custom		
Back	Concentrated Load	<u></u> _		

In CSD iStruct interface (right), the user enters the correct loading magnitude and width (surface area) as per building code requirements. The information will be sent to our TRIFORCE Analyzer engine to run the correct load cases. Specified entries

CSD iStruct interface

or	Roof		
10.75	or Loads		
Live Load (PSF)		Dead Load (PSF)	
0		0	
Cor	nstruction Load (PSF)		
0			
Ma	ving Load	Floor	
V	Check Mov	ing Load 🛛 🔘 Roof	
20	000	lb.	
V	Moving Loa	id in (lb.)	
	th 2-6-0		

United States Building Code requirements						
Usage	Applicable Safe load (lbs)	Applicable surface				
Offices, Computer Rooms	2000	30'' x 30''				
Libraries, Schools, Stores	1000	30'' x 30''				
Roofs	300	30'' x 30''				

Canadian Building Code requirements						
Usage	Applicable Moving load (lbs)	Applicable surface				
Offices, Industry, Hospital, Stage	2023.8	30" x 30"				
Class rooms	1011.64	30" x 30"				
Roofs	300	8" x 8"				

Please note that these special load cases must be used for Safe load / Moving load Code requirements only. It should not be used for other usages. Please contact the project engineer or if you need additional information, please do not hesitate to contact us.



IMPORTANT NOTICE

In keeping with its ongoing commitment to product development, Barrette Structural Distribution periodically update its TRIFORCE[®] Analyzer software. To help our engineering team and to assure you a prompt service, please note that we will not support any previous version. Please make sure you update to the latest version and verify your program settings at your earliest convenience.

If you have any question concerning our TRIFORCE® Analyzer, please do not hesitate to contact us at:

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