Accommodating Movement in High-Rise Wood-Frame Building Construction

https://research.thinkwood.com/en/permalink/catalogue1875

Author:	Howe, Richard
Publisher:	Forest Products Society
Year of Publication:	2011
Country of Publication:	United States
Format:	Journal Article
Material:	Steel-Timber Composite
	Other Materials
	LVL (Laminated Veneer Lumber)
Application:	Wood Building Systems
	General Application
	Floors
	Walls
Topic:	Design and Systems
	Connections
Keywords:	Detailing
	Shrinkage
	Differential Movement
Language:	English
Research Status:	Complete
Series:	Wood Design Focus
Online Access:	Free

Resource Link

https://www.structuremag.org/wp-content/uploads/2014/08/C-ConstrIssues-Howe-June111.pdf

Accommodating Shrinkage in Multi-Story Wood-Frame Structures

https://research.thinkwood.com/en/permalink/catalogue712

Author:	McLain, Richard
	Steimle, Doug
Organization:	WoodWorks
Year of Publication:	2017
Country of Publication:	United States
Format:	Report
Material:	Light Frame (Lumber+Panels)
Application:	Wood Building Systems
Topic:	Design and Systems
	Moisture
Keywords:	Shrinkage
	Mid-Rise
	Multi-Story
	Moisture Content
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

https://www.woodworks.org/wp-content/uploads/wood_solution_paper-Accomodating-Shrinkage.pdf

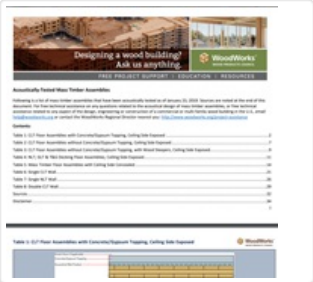
Acoustical Guide: Acoustic Research Report on Mass Timber Buildings

https://research.thinkwood.com/en/permalink/catalogue1839

Organization:	AcoustiTECH
Editor:	Dompierre, David
	Garant, Samuel
Publisher:	AcoustiTECH
Year of Publication:	2018
Country of Publication:	Canada
Format:	Report
Material:	CLT (Cross-Laminated Timber)
	Other Materials
Application:	Floors
Topic:	Acoustics and Vibration
Keywords:	Mass Timber
	Sound Absorption
	Impact Sound Insulation
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

https://www.acousti-tech.com/Design/PDF/mass-timber-guide.pdf



Acoustically-Tested Mass Timber Assemblies

https://research.thinkwood.com/en/permalink/catalogue1874

Organization:	WoodWorks
Year of Publication:	2019
Country of Publication:	United States
Format:	Report
Material:	CLT (Cross-Laminated Timber) NLT (Nail-Laminated Timber) Glulam (Glue-Laminated Timber)
Application:	Floors Walls
Topic:	Acoustics and Vibration
Keywords:	Mass Timber Sound Transmission Class Impact Isolation Class Assembly
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

http://www.woodworks.org/wp-content/uploads/Acoustically-Tested-Mass-Timber-Assemblies-WoodWorks.pdf

Acoustic Emission of Bolt-Bearing Testing on Structural Composite Lumbers

https://research.thinkwood.com/en/permalink/catalogue1443

Author:	Du, Yicheng
	Zhang, Jilei
	Shi, Sheldon
Publisher:	Society of Wood Science and Technology
Year of Publication:	2014
Country of Publication:	United States
Format:	Journal Article
Material:	LVL (Laminated Veneer Lumber)
	OSL (Oriented Strand Lumber)
Application:	General Application
Topic:	Acoustics and Vibration
Keywords:	Acoustic Emission
	Bolted Connection
Language:	English
Research Status:	Complete
Series:	Wood and Fiber Science

Summary:

Acoustic emission (AE) characteristics of full-hole bolt-bearing testing on structural composite lumbers (SCL) including laminated veneer lumber (LVL) and oriented strand lumber (OSL) were investigated. The main conclusion is that AE cumulative...

Online Access:	Free

Resource Link

https://www.researchgate.net/profile/Sheldon_Shi/publication/259801199_Acoustic_emission_of_bolt-bearing_testing_on_structural_composite_lumbers/links/53fb3e4e0cf27c365cf089cb/Acoustic-emission-of-bolt-bearing-testing-on-structural-composite-lumbers.pdf

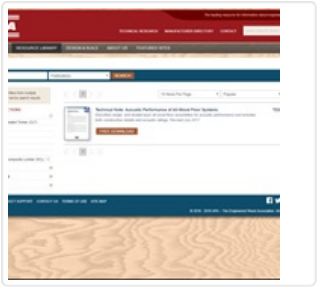
Acoustic Impact Testing and Waveform Analysis for Damage Detection in Glued Laminated Timber

https://research.thinkwood.com/en/permalink/catalogue771

Author:	Xu, Feng
	Wang, Xiping
	Teder, Marko
	Liu, Yunfei
Publisher:	De Gruyter
Year of Publication:	2017
Country of Publication:	Germany
Format:	Journal Article
Material:	Glulam (Glue-Laminated Timber)
Application:	General Application
Topic:	Acoustics and Vibration
	Serviceability
Keywords:	Decay
	Delamination
	Damage Detection
	Moment Analysis
	Wavelet Transform
	Acoustic Signals
Language:	English
Research Status:	Complete
Series:	Holzforschung
ISSN:	1437-434X
Online Access:	Free

Resource Link

https://www.fs.usda.gov/treesearch/pubs/download/55133.pdf



Acoustic Performance of All-Wood Floor Systems

https://research.thinkwood.com/en/permalink/catalogue1931

Organization:	APA
Year of Publication:	2017
Country of Publication:	United States
Format:	Report
Material:	Light Frame (Lumber+Panels)
Application:	Floors
Topic:	Acoustics and Vibration
Keywords:	Sound Transmission Class
	Impact Isolation Class
	Code
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

https://www.apawood.org/publication-search?q=T230&tid=1

Acoustic Performance of Timber and Timber-Concrete Composite Floors

https://research.thinkwood.com/en/permalink/catalogue684

Author:	Schluessel, Marc
	Shrestha, Rijun
	Crews, Keith
Year of Publication:	2014
Country of Publication:	Canada
Format:	Conference Paper
Material:	LVL (Laminated Veneer Lumber)
	Timber-Concrete Composite
Application:	Floors
Topic:	Acoustics and Vibration
Keywords:	New Zealand
	Australia
	Building Code of Australia
	Sound Insulation
Language:	English
Conference:	World Conference on Timber Engineering
Research Status:	Complete
Notes:	August 10-14, 2014, Quebec City, Canada

Summary:

A major problem in light-weight timber floors is their insufficient performance coping with impact noise in low frequencies. There are no prefabricated solutions available in Australia and New Zealand. To rectify this and enable the implementation of lig...

Online Access:	Free

Resource Link

http://schd.ws/hosted_files/wcte2014/68/ABS139_Crews_web.pdf

Acoustics: Sound Insulation in Mid-Rise Wood Buildings

https://research.thinkwood.com/en/permalink/catalogue37

Author:	Schoenwald, Stefan
	Zeitler, Berndt
	King, Frances
	Sabourin, Ivan
Organization:	National Research Council of Canada
Year of Publication:	2014
Country of Publication:	Canada
Format:	Report
Material:	CLT (Cross-Laminated Timber)
	Light Frame (Lumber+Panels)
Application:	Floors
	Walls
Topic:	Acoustics and Vibration
Keywords:	Acoustics
	Mid-Rise
	Sound Insulation
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

http://doi.org/10.4224/21274579

Acoustics Summary: Sound Insulation in Mid-Rise Wood Building

https://research.thinkwood.com/en/permalink/catalogue750

Author:	Schoenwald, Stefan
	Zeitler, Berndt
	King, Frances
	Sabourin, Ivan
Organization:	National Research Council of Canada
Year of Publication:	2014
Country of Publication:	Canada
Format:	Report
Material:	CLT (Cross-Laminated Timber)
	Light Frame (Lumber+Panels)
Application:	Wood Building Systems
Topic:	Acoustics and Vibration
	Design and Systems
Keywords:	Mid-Rise
	Sound Insulation
	Impact Sound Transmission
	Airborne Sound Transmission
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

http://doi.org/10.4224/21274554