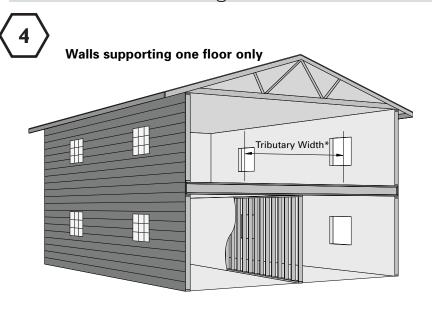




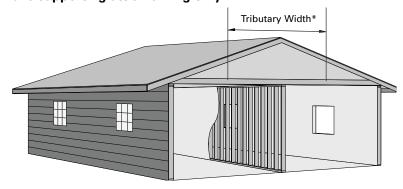
QuietZone® Acoustic Wall Framing

INNOVATIONS FOR LIVING™

Design and Installation Guide - Canada



Walls supporting attic framing only



*Tributary width is calculated as a percentage of the sum of the joist spans on either side of the wall: simple span: 0.5 ft x (left span + right span) continuous span: 0.625 ft x (left span + right span)

For more information on the QuietZone[®] Acoustic Wall Framing call Jager Building Systems at **1-866-864-5710**. For more information on other QuietZone[®] Products (QuietZone[®] Acoustic Batt & QuietZone[®] acoustic sealant) call **1-800-GET-PINK**, or visit **www.quietzone.com**.



www.tembec.com.



OWENS CORNING INSULATING SYSTEMS, LLC ONE OWENS CORNING PARKWAY TOLEDO, OHIO, USA 43659

[™] 1-800-GET-PINK[™] www.owenscorning.com

Pub. No. 58647-C. Printed in U.S.A. January 2007. THE PINK PANTHER™ & ©1964–2007 Metro-Goldwyn-Mayer Studios Inc. All Rights Reserved. The color PINK is a registered trademark of Owens Corning. ©2007 Owens Corning.



Maximum Tributary Width* (ft) One Floor Only

Member			Floor Load (psf unfactored)			
Nominal Size	Wall Height	Member Spacing	40LL + 12DL	40LL + 25DL		
	0/	16" o.c.	13	10		
	8′	Member Spacing 40LL + 12D	11	9		
2x4	9′	16" o.c	9	7		
		24" o.c.				
	10′	16" o.c.				
		24" o.c.				
8' 16" o.c.	16" o.c.	30	30			
	0	24" o.c.	30	30		
	9′	16" o.c.	30	30		
		24" o.c.	30	28		
2x6	10′	16" o.c.	30	24		
2/10	10	24" o.c.	26	21		
	12′	16" o.c.	16	13		
		24" o.c.	13	10		
	14′	16" o.c.	9	7		
		24" o.c.				

Maximum Tributary Width* (ft)

Attic Framing Only

Member Nominal Size	Wall Height	Member Spacing	Attic Load (psf unfactored) 20LL +10DL
	8′	16" o.c.	22
		24" o.c.	19
2x4	0.1	16" o.c	15
2.74	9′	24" o.c.	12
	10/	16" o.c.	10
	10′	24" o.c.	
	8′	16" o.c.	30
		24" o.c.	30
	9′	16" o.c.	30
	9	24" o.c.	30
2x6	10′	16" o.c.	30
2.10	10	24" o.c.	30
	12′	16" o.c.	28
	12	24" o.c.	23
	14′	16" o.c.	16
		24" o.c.	12

Maximum Vertical Load (plf factored) Interior Walls Only

						2x6 Wall			
	Wall Height	Stud Length				On-Center Spacing			
		Longin	12"	16"	24"	12"	16"	24"	
	8′	92 5/8"	1055	965	810	3715	3715	3470	
j	9′	104 5/8"	735	655	520	3030	2875	2590	
	10′	116 5/8"	515	450	330	2335	2190	1925	
	12′	144"				1315	1195	980	
	14′	168"				815	715	535	

Table is based upon:

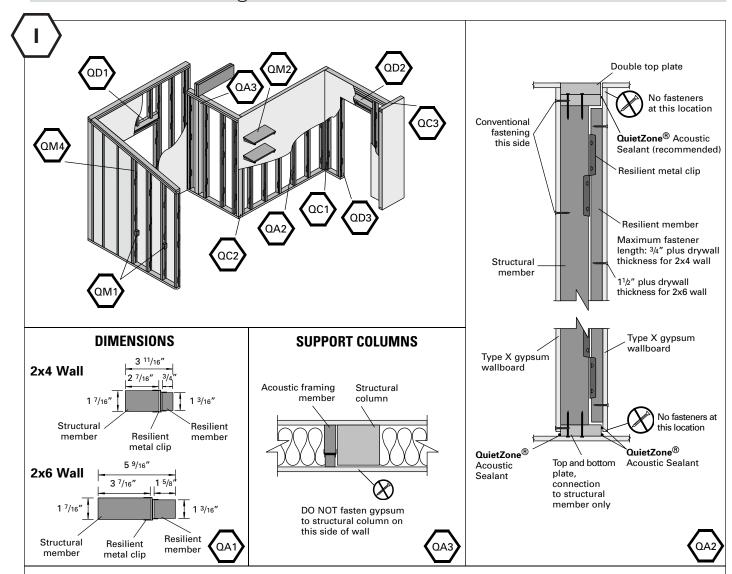
- Type X gypsum wallboard applied to each side of the wall
- Interior lateral wall pressure of 5 psf





QuietZone® Acoustic Wall Framing

Design and Installation Guide - Canada



LIMIT STATES DESIGN VALUES

Specified Strengths and Modules of Elasticity Structural Member (Kp = 1.0)

QuietZone® Acoustic Wall Framing featuring Tembec Select Engineered Lumber (Structural Member) and Selectem™ LVL (Resilient Member)

Modulus of elasticity	Ε	=	1.379 x 10 ⁶ psi
Bending at extreme fibre	Fb	=	1711 psi
Compression Parallel to grain	Fc	=	1668 psi
Compression perpendicular to grain	Fcp	=	769 psi
Longitudinal shear	Fv	=	145 psi

Values may be increased by a system factor (KH) if applicable Values may be increase by a load duration factor (KD) if applicable Values may be increased by a size factor (Kz) Nail Design Values, Structural Member, Lateral and Withdrawal: Design as per CSA Standard 086-01, Engineering Design in Wood for Spruce-Pine-Fir species SG = 0.42

Nail Design Values, Resilient Member, Lateral and Withdrawal: Design as per CSA Standard 086-01, Engineering Design in Wood for Hem-Fir, SG = 0.43

Code Evaluation for Resilient Member: CCMC Evaluation Report CCMC 12453-R

QuietZone® Acoustic Wall Framing is to be used in "dry" service conditions only **QuietZone**® Acoustic Wall Framing has no Preservative or Fire Retardant Treatment

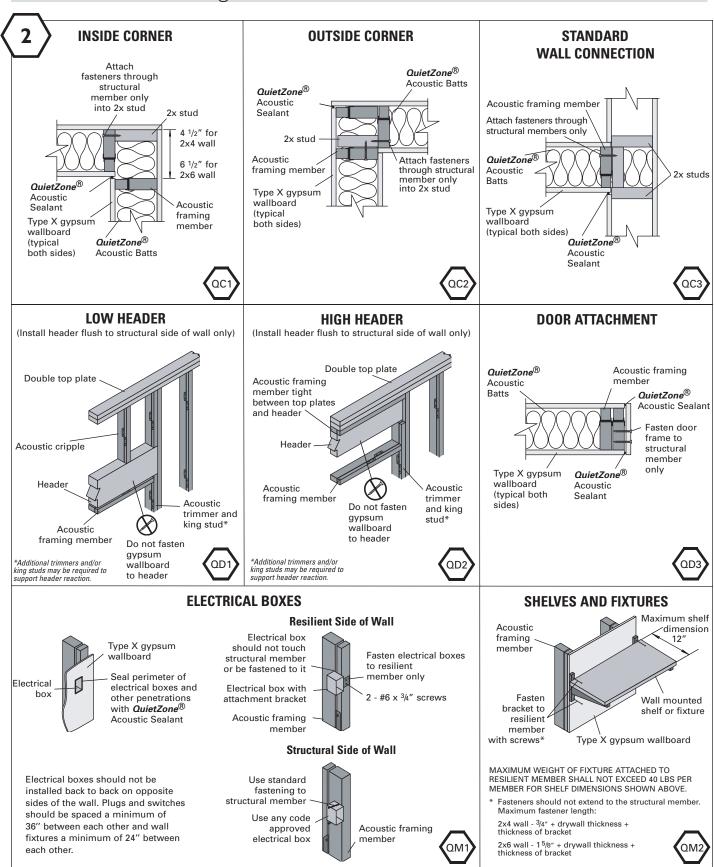




QuietZone® Acoustic Wall Framing

INNOVATIONS FOR LIVING™

Design and Installation Guide - Canada

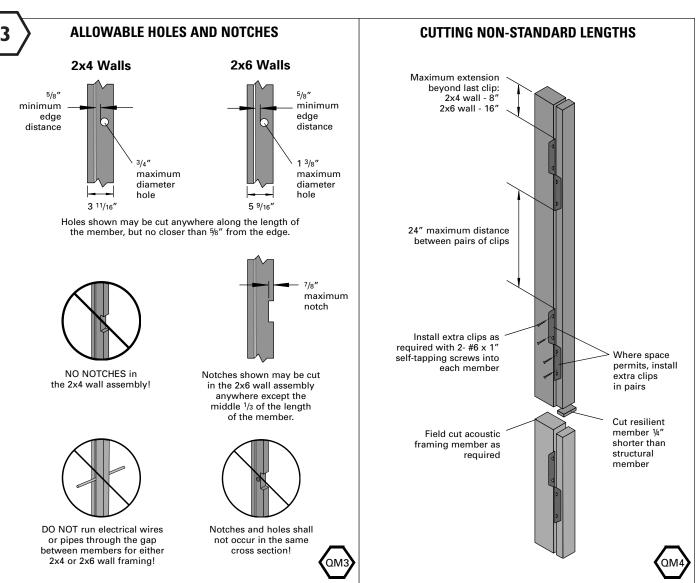






QuietZone® Acoustic Wall Framing

Design and Installation Guide - Canada

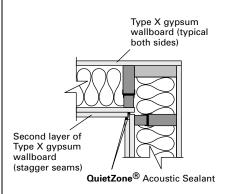


GENERAL NOTES

- QuietZone[®] Acoustic Wall Framing is intended for interior walls only. Contact Jager Building Systems at 1-866-864-5710 for information on other applications.
- 2x4 QuietZone[®] Acoustic Wall Framing has load-bearing capabilities similar to 2x3 wood framing; see design tables for details.
- 2x6 QuietZone[®] Acoustic Wall Framing has load-bearing capabilities similar to 2x4 wood framing; see design tables for details.
- Screws are recommended for fastening drywall, shelves, and fixtures to QuietZone[®] Acoustic Wall Framing. Use caution if fastening drywall to resilient member using a nailgun.
- QuietZone[®] Acoustic Batts (15" or 23" width) will be required in the cavity space between wall framing sections spaced either 16" or 24" o.c. when using 2 x 4 & 2 x 6 QuietZone[®] Acoustic Wall Framing.
- QuietZone[®] Acoustic Batts fit between wood framing members with the flanges stapled to the sides of the QuietZone[®] Acoustic Wall Framing structural members.

WARNING: LACK OF PROPER BRACING, INSUFFICIENT WALL SYSTEM DESIGN OR FAILURE TO FOLLOW THE INSTRUCTIONS SET FORTH HEREIN COULD LEAD TO PROPERTY DAMAGE AND/OR SERIOUS BODILY INJURY. NEITHER OWENS CORNING NOR TEMBEC SHALL BE RESPONSIBLE FOR ANY DAMAGE, LOSS, COSTS OR EXPENSES RELATING TO ANY MISUSE OF THE PRODUCTS DESCRIBED ABOVE, OR ANY FAILURE TO ADHERE TO THESE INSTRUCTIONS.

MULTIPLE LAYERS OF GYPSUM



Apply **QuietZone** Acoustic Sealant along corner of first layer of Type X gypsum wallboard before applying second layer of Type X gypsum wallboard.

