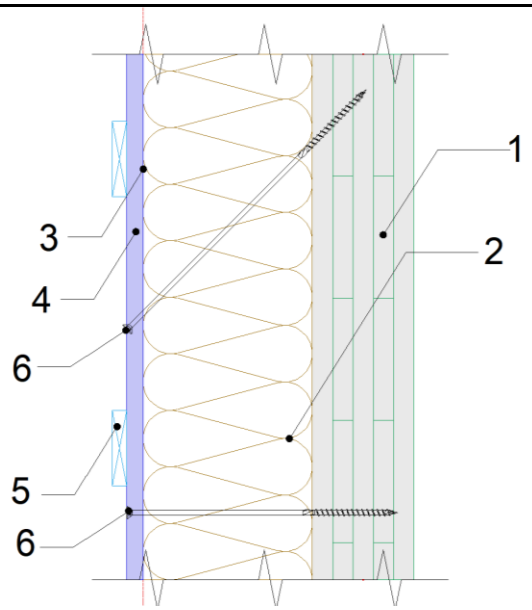
QAI LISTING REC799-1, Edition 1
MCH Group Inc.
WALL PANELS evaluated under CSA A277 & Part 9 of Ontario Building Code

W1



No.	COMPONENT	DESCRIPTION		
1.	Wood Structure	Product:	Cross-Laminated Timber (CLT) Panels	
		Thickness:	Minimum 5 layers - 3 15/16'' (100 mm)	
		Limitation:	Design under Part 4 of NBC done by registered professional	
		Certification:	Certified per ANSI/APA PRG320	
2.	Wood Fiberboard Insulation	Product:	Multitherm 110	
		Thickness:	Minimum 8" (200 mm)	
		R Value:	As indicated on QAI's Specification Nameplate	
		Certification:	Tested per CAN/ULC-S706.1	
3.	Weather Resisting Barrier (Building Wrap)	Product:	Monolithic MembraneTranspir Rothoblaas	
			SIGA Majvest 200	
		Certification:	Certified to CAN2-51.32-M77 ; CAN/ULC-S741	
			UL Labatory Canada / RDH building science	
4.	Vertical strapping	Product:	Wood furring	
			Strips of plywood at corners	
		Size :	Wood furring	1''x4'' (19 x 89mm)
			Plywood	Minimum 12" (300mm)
		Spacing :	At maximum 24'' (600mm) OC	
		Certification :	Wood furring	NLGA
			Plywood	Certified per CSA O151

Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active.

5.	**Horizontal Strapping (Optional)**	Product:	Wood furring
		Size :	1''x4'' (19 x 89mm)
		Spacing :	At maximum 24'' (600mm) OC
		Fasteners :	2 screws per vertical strapping : #8 x 1-1/2''
		Certification :	Wood furring NLGA
6.	**Screws**	Product:	8Øx300 ASSY Ecofast
		Spacing :	@ 90° @ 1200mm oc & @ 45° @ 1200mm oc Stagger screws
		Certification :	NRC / CCMC13677-R

WINDOWS & DOORS INSTALLATIONS:

Structural panels included in this Listing may have windows and doors conform to AAMA/WDMA/CSA 101/I.S.2/A440, NAFS and CSA A440S1, "Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440.

The energy performance of windows, doors and skylights is determined in accordance with CSA A440.2.

Structural wood frame are sealed with SIGA Rissan tape and Wigluv. Airtightness between walls structure and window/doors is performed with SIGA Fentrim IS 20 on the inside and SIGA Frentrim 230 on the Outside.

EXCLUSIONS:

Fire resistive assemblies and acoustical performance is not covered under this listing.

All wall components, interior partitions, electrical installations, plumbing and gas/propane systems, other than those described above are outside of the scope of this listing. For floor panels refer to dedicated section.

This listing does not include wall panels intended to be used in multi-residential buildings such as hotels and motels, requiring shared egress facilities. It does not address panelized products for use in industrial, commercial, and office buildings, stores, hospitals, classrooms, and daycares and/or any buildings designed with multiple major occupancies.

CONDITIONS OF VALIDITY

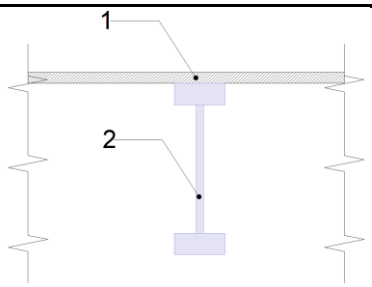
This listing is based on the assumption that no fundamental changes are made to the product described in this listing and engineering designs.

The performance of the panels could be affected by excessive humidity. Like other wood products, these panels must be protected from exposure to moisture/rain.

The field erection sequencing must be in strict accordance with the manufacturer's installation instructions and the applicable building code. In the event of a conflict between the manufacturer's installation instructions and code requirements, code stipulations shall govern. Approved construction documents shall be available at all times on the jobsite during installation.

FLOOR PANELS evaluated under CSA A277 & Part 9 of Ontario Building Code

FLR



No.	COMPONENT	DESCRIPTION			
1.	Subfloor	Product:	Plywood Panel; OSB Panel		
		Thickness:	Minimum 5/8” (15.9 mm)		
		Certification:	Plywood Panel certified per CSA O151		
			OSB Panel certified per CSA O325		
		Fasteners:	Floor screws #8×1-1/2” (89mm) min; 6” (150mm) on perimeter & 12” (300mm) on intermediate joists		
2.	Wood Frame	Framing:	Floor Joists	Dimensional Lumber (SPF)	Minimum 2x8
				I-Joists	Minimum 9.25” (235mm)
				Structural Composite Lumber (SCL)	Minimum 9.5” (241mm)
			Rim Joist	SPF	Minimum 2x8 / to suite floor joist height
				SCL	Minimum 9.5” (241mm) / to suite floor joist height
		Limitation:	Design outside of NBC, art. 9.23.1.1 is done by registered professionals under Part 9 or Part 4		
		Certification:	SPF	Grade Stamp: Grade 2 or better as required by design	
			I-Joists	CCMC report or equivalent	
			SCL	CCMC report or equivalent	
		Live load:	Minimum 40 psf (1.9 KPa)		
		Joist spacing:	Maximum 24” (600 mm) OC		
		Joist Fasteners:	4-5 nails, 0.120" x 3-1/4” per joist end for all dimensions		
			Suitable Joist Hangers for unsupported joists		

EXCLUSIONS:

Fire resistive assemblies and acoustical performance is not covered under this listing.

All gas systems components, plumbing and electrical equipment other than those described above are outside of the scope of this listing. For wall panels refer to dedicated section.

This listing does not include panels intended to be used in multi-family dwellings requiring fire and sound separation or shared egress facilities, hotels and motels. It does not address panelized products for use in commercial, and office buildings, stores, hospitals, classrooms, and daycares and/or any buildings designed with multiple major occupancies.

CONDITIONS OF VALIDITY
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The performance of the panels could be affected by excessive humidity. Like other wood products, these panels must be protected from exposure to moisture/rain.
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