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1. GENERAL

1.1	GENERAL	This specification relates to the installation of the IQCLAD Cladding System for use as an external wall cladding system.		
		The IQCLAD Cladding System can be installed horizontally or vertically.		
1.2	RELATED WORK	The installation of the IQCLAD Cladding System relies on the following:		
		 Structure a primary structure that: complies with the NZ Building Code and is designed and installed in accordance with the building consent and construction drawings and NZS 3604:2011 or NASH Standard 2019 Parts 1 and 2; or is specifically designed to NZS 3603:1993 or AS/NZS 1170:2002; or in the case of an existing building, where the designer and installer have satisfied themselves that the primary structure of the existing building is suitable for the intended building work; and has studs at maximum 600 mm centres and nogs and dwangs at maximum 800 mm centres, or specific engineering design where the site wind pressure is greater than 2.5 kPa. Underlay a building underlay (flexible or rigid) that meets the performance characteristics described in Table 23 of Acceptable Solution E2/AS1 (or E2/AS4) at a minimum. Where a rigid underlay is installed, a flexible underlay must be installed over the rigid underlay in accordance with E2/AS1 or an alternative barrier that can be demonstrated to meet Building Code Clause E2. flexible flashing tape must be compatible with the selected underlay, follow manufactures recommendations. fixings that are suitable for the site-specific conditions. 		
1.3	DOCUMENTS	 Refer to the following supplier's documents: the IQCLAD Cladding System pass[™] the IQCLAD Horizontal Cladding System Design guide or the IQCLAD Vertical Cladding System Design guide the IQCLAD Horizontal Cladding System Installation guide or the IQCLAD Vertical Cladding System Installation guide the IQCLAD Horizontal Cladding System Care and Maintenance guide the IQCLAD Cladding System warranty. Refer to the following related documents: NZS 3604:2011 Timber-framed buildings NASH Standard Part 2: May 2019 Light Steel Framed Buildings 		

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>	AS/NZS 1170	Structural	design	actions
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> Acceptable Solution E2/AS1.

1.4	GENERAL	The system must be specified in accordance with the IQCLAD Horizontal
	DESIGN	Cladding System Design guide or the IQCLAD Vertical Cladding System
	CONSIDERATIONS	Design guide.

2. PRODUCTS

2.1	PRODUCT DESCRIPTION	IQCLAD Cladding System is an interlocking extruded aluminium weatherboard cladding system incorporating a drained and ventilated cavity.
		The weatherboards are manufactured from 6063 or 6060 T5 aluminium and powder coated in accordance with AAMA 2604 or 2605 and supplied in 3 board profiles. The weatherboard profiles can be installed with a horizontal or vertical orientation.
		Weatherboards are available in three profiles:
		> Kaweka
		> Remutaka and
		> Hunua.
		The boards are cut to job specific lengths of up to 6500 mm maximum length. The boards are 230 mm in width with an effective cover of 190 to 200 mm and are 13 mm thick.
		Weatherboards are interlocking and installed using concealed fixing brackets, fixed to cavity battens. Ancillary components include flashings and trims.
2.2	SUPPLIED	The following components are supplied:
	COMPONENTS	> IQW Board
		> IQ Bat cavity battens
		> IQW Standard fastening bracket
		> IQW Horizontal Starter Support
		> Vertical starter bracket
		> IQW Dual-purpose female corner bracket
		> IQW Dual-purpose male corner bracket
		> IQW External joint bracket
		> IQW Internal joint bracket
		IQW External window swing flashing
		IQW Internal window swing flashing
		IQW Perioraled vertical channel IOW Vertical channel
		 IOW External window flashing
		 IQW Internal window flashing IQW Internal window flashing
23	ACCESSORY	Accessory components are:
2.5	COMPONENTS	Accessory components are.
	COMPONENTS	 Stainless steel 10G x 60 masonny countersuity screws
		 2.8 x 50 mm bot din galvanised nails



2.4	SUBSTITUTIONS	Substitutions are not permitted to any of the specified components listed in this section.	
		>	Proprietary flashing for pipe penetration.
		>	0.5 mm aluminium soaker
		>	Plastic sill soaker
		>	Inter-storey flashing
		>	Proprietary head flashing (15° minimum)
		>	Flexible flashing tape
		>	10G x 16 self-tapping metal screws

3. EXECUTION

3.1	QUALIFICATIONS	The installation of the IQCLAD Cladding System must be carried out by a competent and experienced builder.		
3.2	RESTRICTED BUILDING WORK	Where Restricted Building Work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by an LBP with the relevant license class.		
3.3	CHECK RELATED WORK	Confirm the primary structure has been constructed in accordance with the building consent and construction drawings or, in the case of an existing building, that the existing building is suitable for the intended building work.		

4. APPLICATION

4.1 GENERAL	The installation of the IQCLAD Cladding System must be completed in accordance with the instructions in the IQCLAD Horizontal Cladding System Installation guide or the IQCLAD Vertical Cladding System Installation guide and the building consent documentation. All conditions contained in the building consent documentation must be		
	met.		
4.2 RECEIPT OF	Ensure that all product supplied is:		
PRODUCT	> free of defects at the time of delivery and		
	handled and stored in accordance with all of the relevant manufacturer or supplier's requirements and instructions.		

5. COMPLETION

5.1	QUALITY	Check the installation is in accordance with IQCLAD requirements.		
	CHECK			
5.2	WARRANTIES	For warranty information refer to www.iqclad.nz.		
5.3	INFORMATION	The IQCLAD Cladding System requires regular care and maintenance to		
	FOR CARE AND	maintain its performance and appearance. Refer to www.iqclad.nz and		
	MAINTENANCE	the IQCLAD Cladding System Care and Maintenance guide for further information.		

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6. PROJECT-SPECIFIC SELECTIONS

PROJECT DETAILS Project address Lot/DP number Date of plans Purpose of plans Description of building work and reference to drawing numbers **DOCUMENTS SUPPLIED (CHECK WHICH APPLIES)** the IQCLAD Vertical Cladding System the IQCLAD Cladding System pass™ Installation guide the IQCLAD Horizontal Cladding System the IQCLAD Cladding System Care and Design guide Maintenance guide the IQCLAD Vertical Cladding System the IQCLAD Cladding System warranty. Design guide the IQCLAD Horizontal Cladding System Installation guide **DESIGNER CONFIRMATION (CHECK WHICH APPLIES)** Wind zone or design pressure (ULS) Very high Medium Low High Design pressure (ULS) up to 2.5 kPa Extra high Exposure zone as per NZS 3604:2011 С А R D Proximity to boundry Less than 1 m Greater than 1 m

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Buil	ding				
Prin	Primary structure				
	Timber	Lightweight steel	Existing building assessed at equivalent stiffness		
Unc	derlay				
	Flexible		Rigid		
	Thermal break				
SUI	PPLIED COMPONENTS				
	IQW Board profile - Kav	veka	IQW Dual-purpose male corner bracket		
	IQW Board profile - Ren	nutaka	IQW External joint bracket		
	IQW Board profile - Hur	านล	IQW Internal joint bracket		
	IQ Bat cavity battens		IQW External window swing flashing		
	IQW Standard fastening	ı bracket	IQW Internal window swing flashing		
	IQW Horizontal Starter S	Support	IQW Perforated vertical channel		
	Vertical starter bracket		IQW Vertical channel		
	Cavity closer		IQW External window flashing		
	IQW Dual-purpose female corner bracket		IQW Internal window flashing		
ACCESSORY COMPONENTS					
	Stainless steel 10G x 60 screws	countersunk	Plastic sill soaker		
	Stainless steel 10G x 60 masonry countersunk screws		0.5 mm aluminium soaker		
	2.8 x 50 mm hot dip galvanised nails		Proprietary flashing for pipe penetration		
	10G x 16 self-tapping me	etal screws	Proprietary apron flashing		
	Flexible flashing tape		Metal cap parapet flashing		
	Proprietary head flashin	g (15° minimum)			

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DETAILS

Vertical IQW EC 01 IQ Bat Horizontal Layout IQW EC 11 Window swing jamb IQW EC 02 Battening options Timber and IQW EC 12 Window flashing Steel Frame IQW EC 03 Vertical channel & fixing detail + IQW EC 13 Window jamb fixing to concrete IQW EC 04 Vertical channel over timber floor IQW EC 14 Soffit trim section IQW EC 05 Vertical channel over waterproof IQW EC 15 Pipe Penetration deck IQW EC 06 Vertical channel – exterior 90° IQW EC 16 Roof – wall junction corner IQW EC 17 Parapet flashing IQW EC 07 Exterior 90° Corner IQW EC 08 Internal 90° Corner IQW EC 18 Deck junction - membrane IQW EC 10 Inter-storey flashing IQW EC 19 IQ Bat Vertical Layout IQW EC 29 Window swing flashing IQW EC 20 Battening options – Timber and IQW EC 30 Window flashing Steel Frame IQW EC 21 Horizontal starter support & IQW EC 31 Window head flashing + sill fixing detail soaker IQW EC 22 Horizontal starter support over IQW EC 32 Window head flashing end detail timber floor (full Board) IQW EC 23 Horizontal starter support over IQW EC 33 Window head flashing end detail (notched Board) waterproof deck IQW EC 24 Horizontal starter support -IQW EC 34 Soffit trim section exterior 90° corner IQW EC 25 Exterior 90° Corner IQW EC 35 Pipe Penetration IQW EC 36 Roof – wall junction IQW EC 26 Internal 90° Corner IQW EC 27 Vertical joint IQW EC 37 Parapet flashing

IQW EC 38 Deck junction - membrane

IQW EC 28 Inter-storey flashing

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