

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site. Drawings and contents are subject to the approval of the Building Inspector.

Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to match existing.

Compressible isolation tape between differing metals.
Contractor to make proposals and to the approval of the
Building Inspector.

Dotted line indicates weatherproofing membrane. Illbruck ME070 with Illbruck SP025 Fire Membrane Adhesive. Membrane to form weathertight seal all round. Must be fully adhered to frame. All to manufacturer instructions. *



Vents and ducting not shown. All plastic combustible ducting within the cladding zone to be replaced with proprietary non combustible ducting and PPC metal terminal grills - colour to match surrounds.

*Except locations under sills where these support window frames
-and to be in written agreement with the Project Fire Engineer

The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey.

All errors and omissions to be reported prior to commencement.

This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

Scale Bar

1.5	mm	50	100
1.10	mm	100	200
1.20	mm	200	600
1.50	mm	200	1500

To be used as guidance only

These drawings have been produced based on limited information supplied to DMR. No checks have been undertaken to confirm accuracy of drawings and DMR does not accept any liability for omissions from resulting documents. These drawings are not intended for construction purposes, nor are they fully representative of all details and materials required. These drawings are included as design input for the purposes of obtaining a price only.

The contract should include all measures to save survey and measurements to ascertain accurate dimensions required for construction purposes and the production of final manufacturing drawings by any third party.

Existing wall built up has been produced with limited information from localised intrusive opening up by others.

The Design Intent As-Proposed detail drawings have been produced with manufacturer's specifications and are to be used in conjunction with the Specification document for all associated components. These Design Intent drawings and Specification Document are for the purpose of letting. The contractor / sub-contractors are to complete detailed working drawings for construction. Detailed fabrication drawings to be submitted for comments. In all cases fire engineering membranes separate spaces and all other spaces related to fully certified fire separation and to be subject to approval by the Building Inspector and Fire Engineer.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

[illegible]

Project Name The Cube _ The Frame Manchester, Facade Remediation.	Name
Client	
THOMPSONS	
Drawing Title Proposed Window Jamb at Standrail	Client Job No Client No
Drawing Reference, 3842-DR-201	Drawing Job No 3842
Drawing Date 27.04.2022	Revision C
Scale 1:500A3	Drawn By SE
Drawing Status PRELIMINARY	Checked By CL

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Contact DNRW for more information

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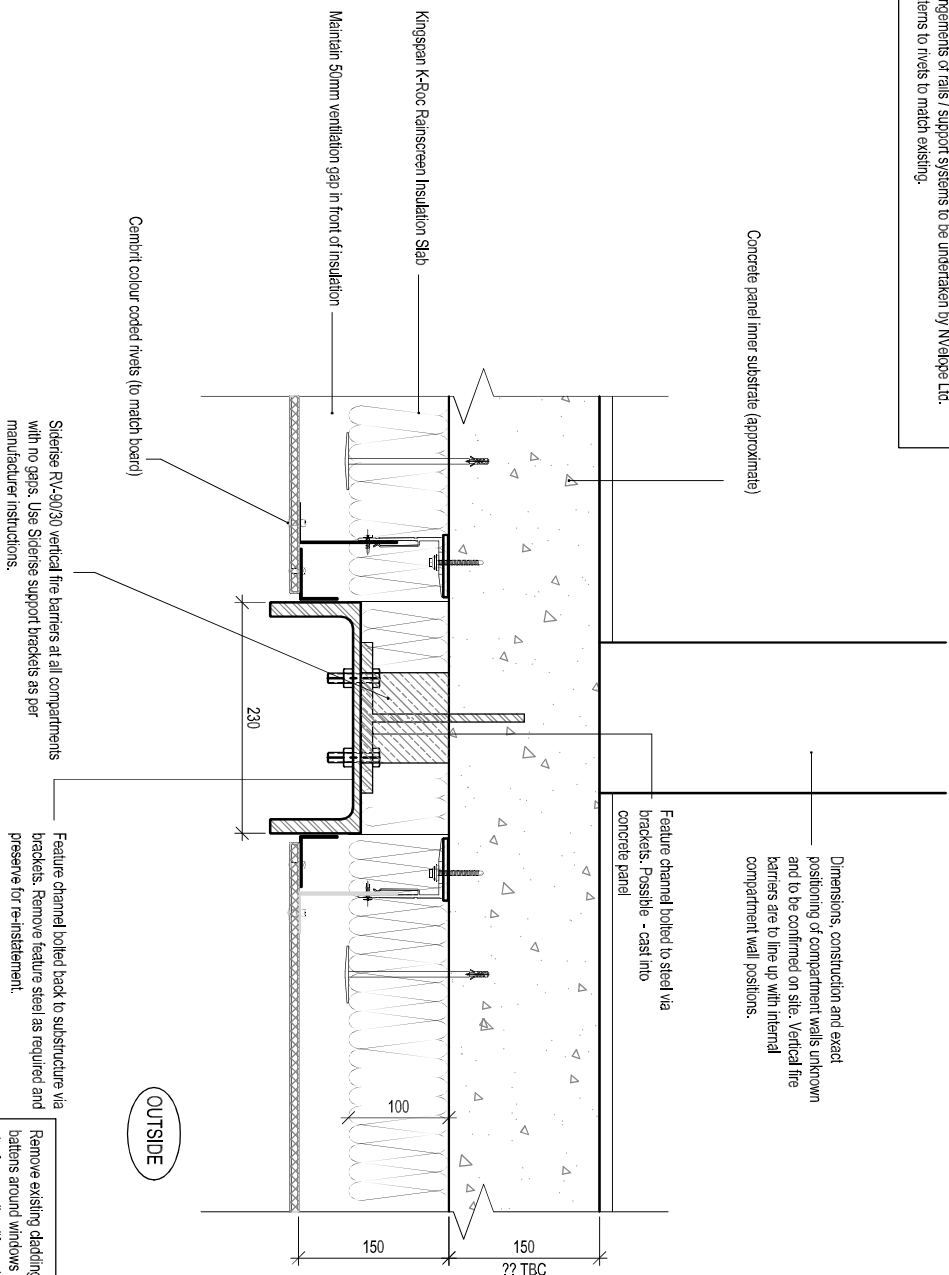
Drawings and contents are subject to the approval of the Building Inspector

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.

Fixing patterns to rivets to match existing.

Vents and ducting not shown. All plastic combustible ducting within the cladding zone to be replaced with proprietary non combustible ducting and PPC metal terminal gills - colour to match surrounds.



VERTICAL FEATURE CHANNELS

Siderise RV-90/30 vertical fire barriers at all compartments with no gaps. Use Siderise support brackets as per manufacturer instructions.

Feature channel bolted back to substructure via brackets. Remove feature steel as required and preserve for re-installment.

Remove existing cladding, all insulation, all timbers* including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer

Use Dimensions - DO NOT SCALE

The Contractor is to check all dimensions at all times.

All errors and omissions to be reported prior to commencement of construction. No changes to be made without written approval of the Engineer. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subjected to statutory authority approval.

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1:10	mm	100	300
1:20	mm	200	600
1:50	mm	500	1500

These drawings are not intended for construction purposes, nor are they fully responsible for the purposes of obtaining further info. The contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detail architectural drawings at any given purpose.

opening up for others. The design intent, as Prosser's detail drawings have been produced with manufacturing in mind, and as they are to be used in conjunction with the specification document for all associated components, these design intent drawings are the Specification Document for the purpose of review. The contractor's sub-contractors are to complete detailed working drawings for construction. Detailed fabrication drawings to be submitted for comments. In all cases the design/supervisor's memoranda should state any and other aspects that may be fully clarified for explanation and to be subject to approval by the Building Inspector and the Engineer.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

[illegible]

**The Cube _ The Frame
Manchester.
Facade Remediation.**

Vertical Channel Detail

Drawing Reference:	3842
3842-D-R-202	B
Drawn Date	Drawn By
27.04.2022	SE
Drawings Status	Checked By
PRELIMINARY	CL

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Contact DAWVID for more information

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Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to rivets to match existing.

Dotted line indicates weatherproofing membrane. Ibruck ME10 with Ibruck SP025 Fire Membrane Adhesive. Membrane to form weathertight seal all round. Must be fully adhered to frame. All to manufacturer instructions. * Minimum bond to window frame 20mm.

A restricted bond zone of 50mm above the galvanised angle. Do not exceed or reduce. Avoid clashed and overly complex fixing detail

Existing windows / frames to remain in-situ

Weather proofing membrane detail at window bases under review with Ilbruck Ltd

Existing timbers under review. Weathertight membrane - contractor to make proposals.

Existing feature channel bolted onto brackets. Note brackets fixed / cast into concrete substrate (TBC)

Subjected to supporting angle being continuous and to written approval of Project Fire Engineer, at window assembly (vertical strip windows) between spandrels in The Frame encapsulated via vertical fire barriers and horizontal top and bottom (see drawings 38a2-DR-108)

Line of rainscreen cladding beyond

PIR or combustibles behind spandrels is not known.
Contractor to confirm presence or otherwise and inform Building Inspector and Project Manager.

(OUTSIDE)

During limited site investigations spandrel panels inspected were not spanning compartments. If any are found to be spanning compartments during construction this must be reported to the Project Manager.

WINDOWS WITH FEATURE CHANNEL AT SILL

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames - and to be in written agreement with the Project Fire Engineer

The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey. All errors and omissions to be reported prior to commencement. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

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1:10	mm	100 200
1:20	mm	200 400
1:50	mm	500 1000

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representative of all details and interfaces required. These drawings are intended as design input for the purposes of obtaining bids only. The contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detail working drawings or any other purpose. The contractor will build up has been provided with limited information from localised photos.

The design team at ProQuest® digital drawings have been produced with manufacturing in mind. They are designed to be printed out and used as a reference for the input and are to be read in conjunction with the specification document for all associated components. These Design team drawings and specification document are for the purpose of construction. The associated sub-contractors are to complete detailed working drawings for construction. Detailed fabrication drawings to be submitted for comments. In all cases the manufacturing member's details apply and all other aspects may be modified for the purpose of the design and are to be subject to approval by the Building Inspector of the Employer.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

Fav	Date	Revision	Description	SE CL	SE C	SE CL	SE C	Dm	Cdk
D	29/06/22		Marks revised	SE	CL				
C	17/06/22		Marks revised	SE	C				
B	17/06/22		Marks revised under all TBC	SE	CL				
A	06/05/22		Marks revised	SE	CL				

The Cube _ The Frame
Manchester.
Acade Remediation.

THOMASONS

Proposed Sill Detail with Feature Channel

Project Name	The Cube - The Frame Manchester, Facade Remediation.			Name
Client	THOMASONS			
Drawing Title	Proposed Still Detail with Feature Channel			Client Job No
Drawing Reference:	3842-D-F-203	Scale		3842
Client Ref:	27.04.2022			D
Drawing Status	PRELIMINARY			Drawn By
				SE
				Checked By
				CL

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Contact DAWR[®] for more information

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**Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to rivets to match existing.**

Remove existing timber decking and all timber associated and replace with GripSure Sierra Fibre Cement Deck Board onto Aluminium joists. Installation to be confirmed on site. Colour finish to match existing. Check levels and doorway access. Support joists TBC with manufacturer.

Weather proofing membrane detail at window bases under review with Ilbruck Ltd

Existing timbers to remain in situ subject to agreement with Fire Engineer. Weathertight membrane contractor to make proposals.

Minimum bond to window frame is 20mm. A restricted bond zone to slab edge above Galvanised beam- 50mm only do not exceed or reduce. Avoids clashes and overly complex fixing detail

Internal slab / structure is not known

Position of fire barrier to be agreed with Fire Engineer

Remove existing cladding, all insulation, all timbers* including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer

TYPICAL DETAIL AT BALCONIES (The Frame)

Balcony steel fixed through to substrate structure. Arrangement shown is approximate. All balcony structure to be assessed by a structural engineer prior to any works. Do not undertake any unbolting of steels without prior approval of structural engineer.

Use Dimensions - DO NOT SCALE

The contractor is to check all dimensions at all times, to check the dimensions & conditions on site before commencing. Subject to professional survey, all dimensions to be reported prior to commencement must be read in conjunction with the relevant clause. This drawing must not be used for other than those for which it is provided. All drawings subject to statutory authority approval.

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1:5		50	150
1:10		100	300
1:20		200	600
1:50		500	1500

No checks have been undertaken to confirm accuracy of drawings and DIMER does not accept any liability for variations from existing arrangements.

These drawings are not intended for construction purposes, nor are they likely to be used for the purposes of obtaining planning permission. They are intended as representative of the details and materials required. These drawings are intended as design intent for the purposes of obtaining tenders only.

The contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the provision of detailed manufacturing drawings to give full particulars.

Existing wall built up has been provided with limited information from location of rebar/struts. Existing wall built up has been provided with limited information from location of rebar/struts. Existing wall built up has been provided with limited information from location of rebar/struts.

The Design team has processed detail drawings have been produced with manufacturing considerations in mind. The drawings are to be used in conjunction with the Specification document for all associated input and are to be used in conjunction with the Specification document for all associated components. These Design team drawings and Specification Documents are for the purpose of tender. The contractor, sub-contractors are to complete detailed working drawings for construction. Detailed detailing drawings to be submitted for comments in all cases the latest existing membranes, sealants, tapes and all other fixings materials to be fully delineated for application and to be subject to approval by the Building Inspector and the Engineer.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

Item	Date	Revision Description	SE CL	SE CL	SE CL	SE CL	Dm	CkM
D	29/06/22	Notes revised		SE	CL			
C	17/05/22	Notes revised		SE	CL			
B	17/05/22	Notes revised under bill T9C		SE	CL			
A	08/05/22	Notes revised		SE	CL			
		Revision Description						

**The Cube — The Frame
Manchester,
Facade Remediation.**

THOMASONS

Balcony (The Frame)

Drawing Reference:	3842-DR-204	3842	3842-DR-204
Drawn Date	27.04.2022	Scale	1:5@A3
Drawing Status:	PRELIMINARY	Drawn By	SE
		Checked By	CL

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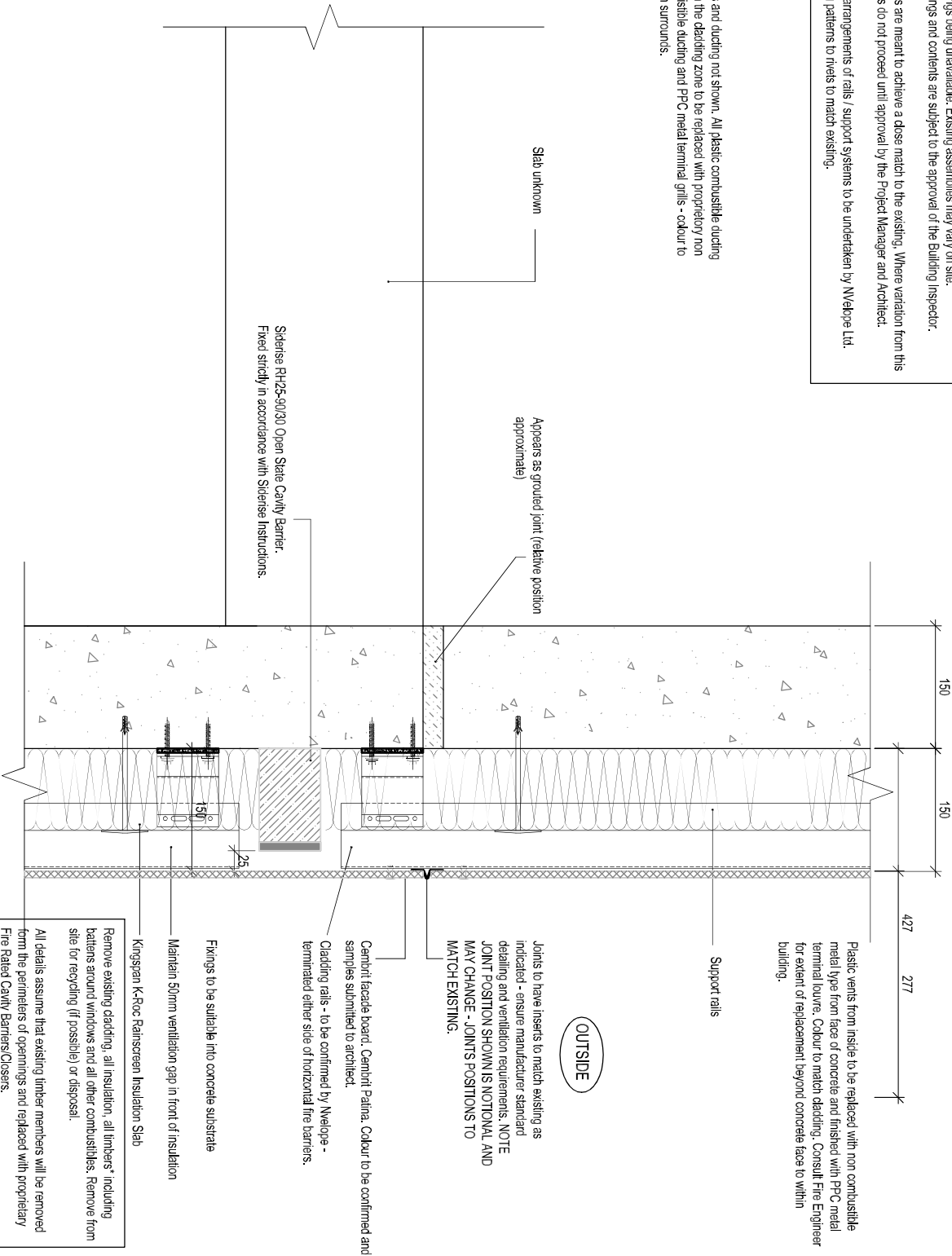
Contact DANA® for more information

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Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

**Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to rivets to match existing.**

Vents and ducting not shown. All plastic combustible ducting within the deadening zone to be replaced with proprietary non combustible ducting and PPC metal terminal grills - colour to match surrounds.



TYPICAL DETAIL AT CLADDING FINISHES JOINT.

Use Dimensions - DO NOT SCALE

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Scale Bar		To be used as guidance only
1:5		0 50 100
1:10		0 100 200
1:20		0 200 400
1:50		0 500 1000

These resulting new products based on initial information supplied to a DMU. No checks have been undertaken to confirm accuracy of training and DMMR cases. Any resulting error is regarded as an information management problem, not a training problem. This is because the information management system is designed to accept any training set and to generate for construction purposes, not for use, the full complement of details and features required. These drawings are intended as a design input for purposes of training other DMUs.

The complex social interface of the research set as a series and interchanges to assist accurate information management requires for construction purposes and the production of detail manufacturing drawings by job shop processes.

Existing staff build up the new products with limited information from historical drawings issued by others.

[illegible]

Manufacturers to provide Fire Test Certification for open state and closed state barriers systems conforming compatibility with overall wall assembly and compliance.

[illegible]

Project Name	The Cube - The Frame Manchester, Facade Remediation.
Client	THOMASONS
Drawing Title	Proposed Cladding Junction and Slab Edge (The Cube)
Drawing Reference	3842-DR-005
Drawn By	Scab
27.04.2022	15:00A3
Drawing Status	PRELIMINARY
Client No	3842
Drawn By	SE
Checked By	CL

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Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.

Fixing patterns to rivets to match existing.



Cembitri facade board, Cembitri Palina. Colour to be confirmed and samples submitted to architect.

Cembitri colour coated rivets (to match board)

Nvelope support bracket

Fixing of corner feature steel not known.
Arrangement shown is notional and may vary from site.

Remove existing cladding, all insulation, all timbers* including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer

CORNER DETAIL AT THE FRAME ADJACENT TO BALCONY

Scale Bar		To be used as guidance only	
1.5	mm	50	150
1.10	mm	100	300
1.20	mm	200	600
1.50	mm	500	1500

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These drawings shall be prepared for construction purposes, not for any legal representation of a building and therefore required. These drawings are intended as a guide for the construction of the building and are not intended to be used for any other purpose. The contractor shall maintain a copy of these drawings and specifications for the duration of the construction project and shall provide a copy of these drawings and specifications to the building department for review and approval. Existing wall shall not be altered without written permission from the building department. Existing wall shall not be altered without written permission from the building department. Existing wall shall not be altered without written permission from the building department.

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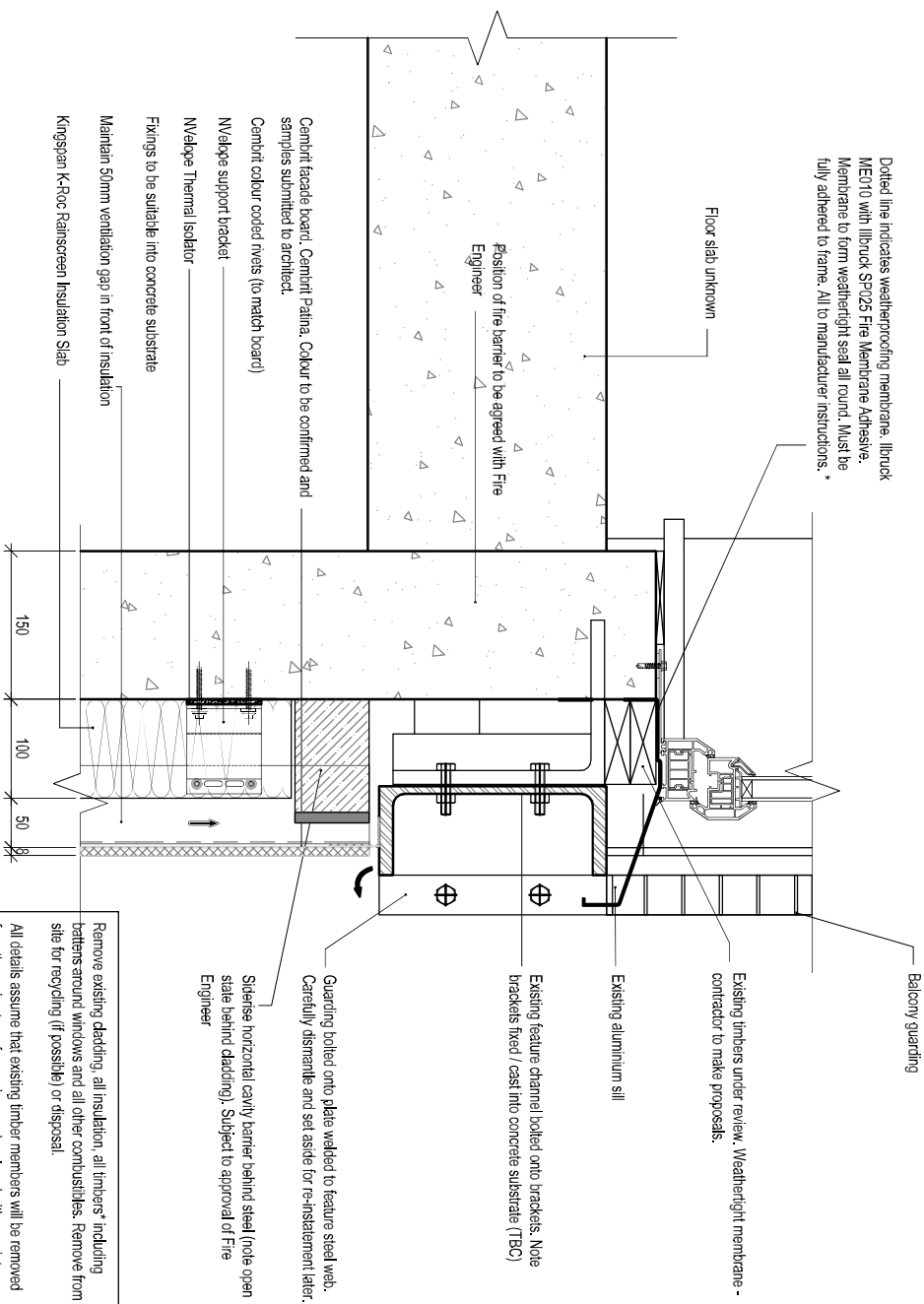
C	2908522	Fru. berries dried	SE	CL					
B	0706522	Nuts dried	SE	CL					
A	0805522	Notes poured	SE	CL					
Fruit	Date	Revised Description	Dm	Odk					

Project Name	The Curve - The Frame Manchester, Facade Remediation.
Draft	TICKMANS
Drawing Title	Corner Detail (Frame)
Drawing Reference	3842-DR-006
Drawn By	Schub
Date	15/04/23
Drawing Status	PRELIMINARY
Client No	3842
Client Name	C
Revision	
Drawn By	SE
Checked By	CL

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**Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to rivets to match existing.**



SILL DETAILS AT ROMEO & JULIET BALCONIES

Remove existing cladding, all insulation, all timbers* including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeter of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Execl locations under sills where these support window frames and to be in written agreement with the Project Fire Engineer

Use Dimensions - DO NOT SCALE

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Scale Bar To be used as guidance only

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1.50	mm	500	1000

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The design firm has produced "detail drawings have been produced with manufacturers opening up by others.

The design firm has produced "detail drawings have been produced with manufacturers and are to be used in conjunction with the specification document for all associated components. These Design team drawings and Specification document are for the purpose of review. The contractor sub-contractors are to complete related working drawings for construction. Detailed manufacturers details are to be submitted for comments. In all cases the manufacturers' working drawings shall agree with the design. Manufacturers drawings are to be fully coordinated for submission and to be subject to approval by the Building Inspector and the Engineer.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

[illegible]

Project Name	Client Job No	Name
The Cope The Frame Manchester, Facade Remediation.	Client Job No 3842	
Client TWO MANSIONS	Client No 3842	
Drawing Title Balcony Supports and Feature Channel	Drawing Job No 3842	
Drawing Reference 3842-DR-207	Revision D	
Drawing Date 27.04.2022	Drawn By SE	
13@A3	Checked By CL	
PRELIMINARY		

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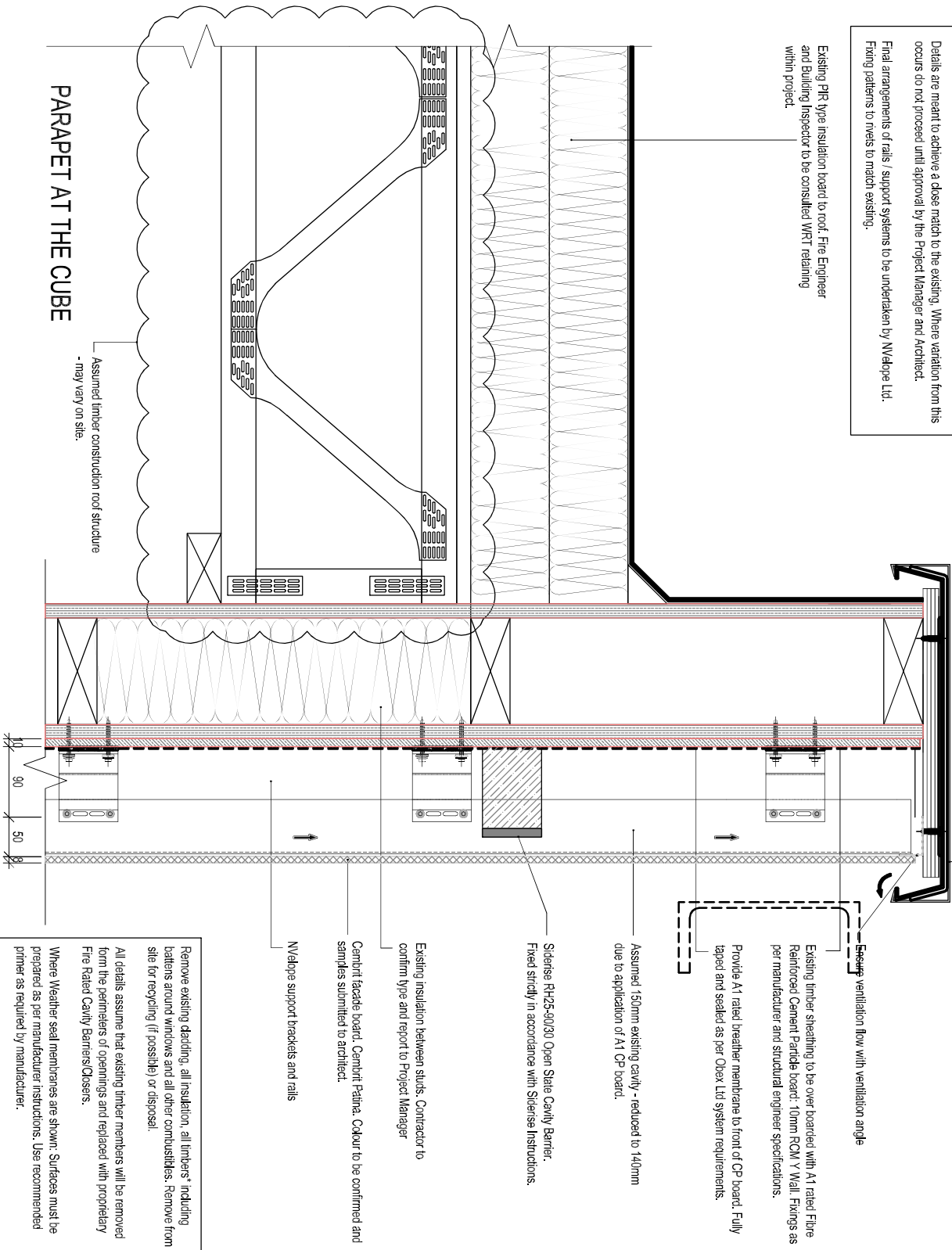
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Fixing patterns to rivets to match existing.**

Existing PIR type insulation board to roof. Fire Engineer and Building Inspector to be consulted WRT retaining within project.



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1.50	mm	500	1500

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The contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detail manufacturing drawings or any other purposes.

Existing walls with up to three products can instead protect from localized intrusions, opening up for others.

The Design team has produced detail drawings that have been produced with manufacturers and are to be included in conjunction with the specification document for all steel doors and windows. The Design team has also produced a set of drawings for the components. These Design team drawings and Specification Document are for the purposes of tender. The Contractor sub-contractors are to complete detailed working drawings for construction. Detailed drawings shall be submitted for comments. In all cases the manufacturing manufacturer shall accept and allow their materials to be fully fabricated for application and be subject to approval by the Design Engineer and the Engineer.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

[illegible]

**The Cube — The Frame
Manchester.
Facade Remediation.**

THOMASONS

Parapet Detail (The Cube)

3842-DR-208

27.04.2022

PRELIMINARY

1001

16-18 Hatton Garden

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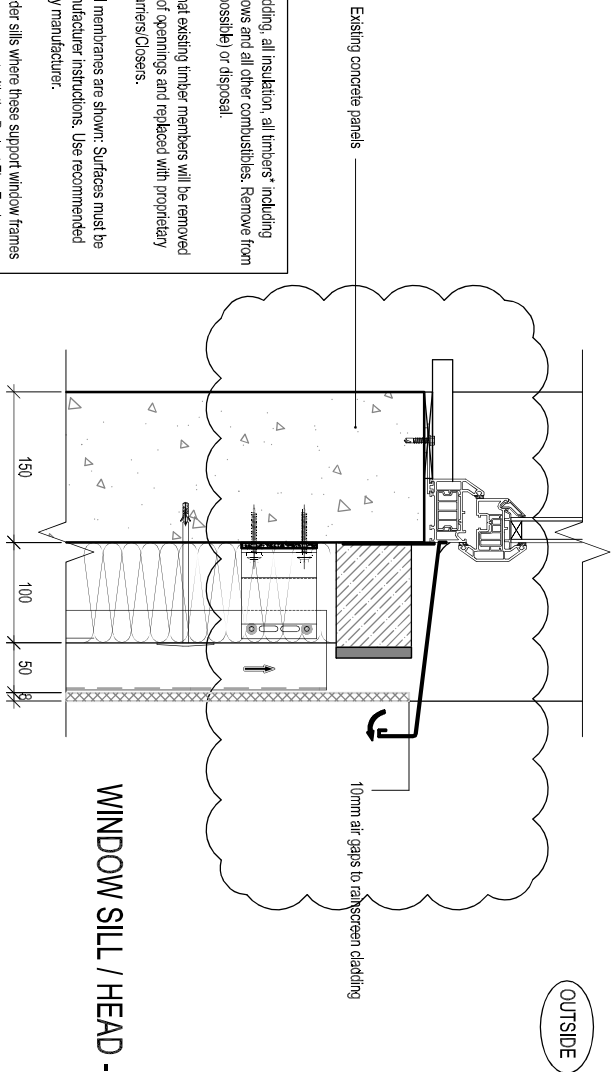
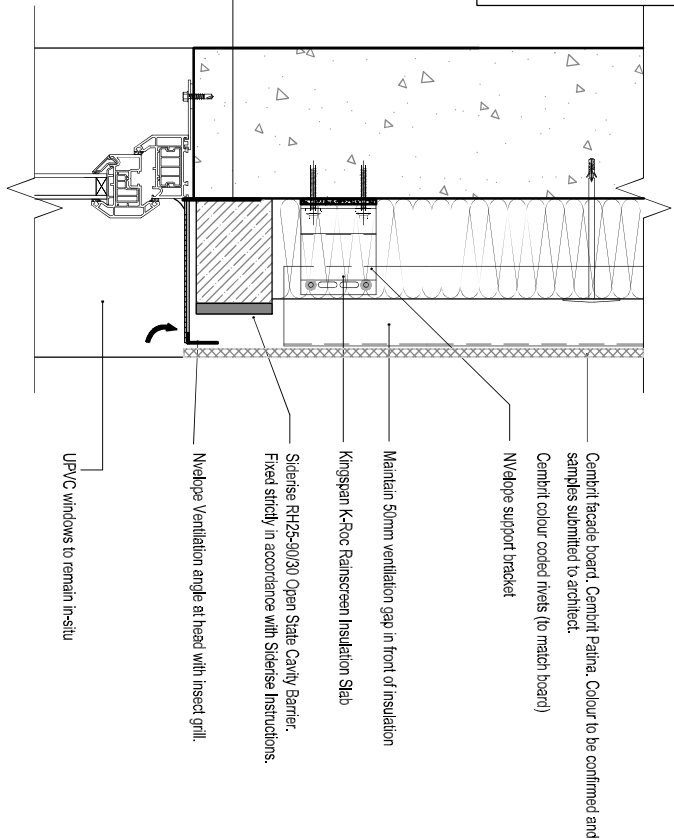
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1800

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site.

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

**Final arrangements of rails / support systems to be undertaken by N'Velope Ltd.:
Fixing patterns to rivets to match existing.**



WINDOW SILL / HEAD - NO FEATURE STEEL

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1:10	mm	100	300
1:20	mm	200	600
1:50	mm	500	1500

These data have been produced based on limited information supplied to DMR. No checks have been implemented to confirm accuracy of drawings and DMR does not accept any liability for inaccuracies from existing arrangements.

These drawings are not intended for construction purposes, nor are they fully representative of all details and materials required. These drawings are intended as design inputs for the purposes of obtaining further info.

The contracts should include all necessary site surveys and investigations to ascertain accurate information required for construction purposes and the production of detail manufacturing drawings at any given purpose.

opening up to others. The design team, as Probeset, shall drawings have been produced with manufacturers in mind. These drawings shall be produced in accordance with the requirements of the input and are to be used in conjunction with the Specification Document for all associated components. These Design Input drawings are the Specification Document for the purpose of production. The contractor, subcontractors and all complete detailed working drawings for construction. Detailed fabrication drawings to be submitted for comments, in all cases the manufacturing mechanisms, segments, steps and all other aspects must be fully confirmed for application and to be subject to approval by the Design Inspector of the Design.

Manufacturers to provide Fire Test Certification for open slate and closed steel barrier systems confirming compatibility with overall wall assembly and compliance.

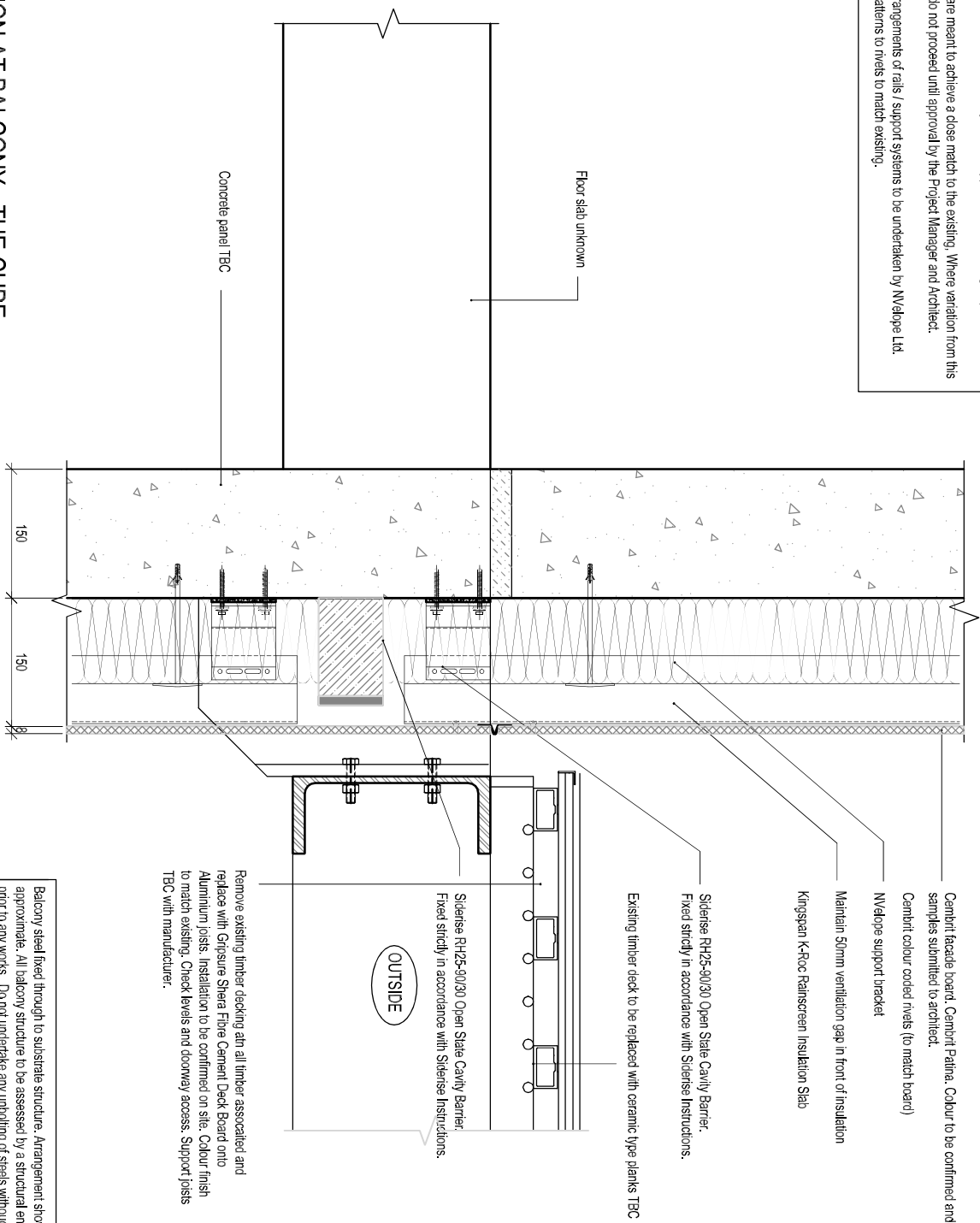
ID	Date	Revision Description	Dm1	Cdk1
D	26/08/22	Checking rails shown to miss F15	SE	CL
C	03/09/22		SE	CL
B	17/05/22	Window Frame Position Revised	SE	CL
A	05/05/22	Nutts inserted	SE	CL
ID#	Date	Revision Description	Dm1	Cdk1

Project Name	The Cube – The Frame Mannefeiser, Facade Remediation.		
Client	THKMS/ONS		
Drawing Title	Proposed Window Head/Sill Detail		
Drawing Reference.	3844-DR-209		
Drawn By	Seab	27.04.2022	
Drawing Status	PRELIMINARY		
Name	Client as No	Client No	3842
	Drawing Job No		
	Revision	D	1
	Drawn By	SE	
	Checked By	CL	

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site. Drawings and contents are subject to the approval of the Building Inspector.

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd
Fixing patterns to rivets to match existing.



SECTION AT BALCONY - THE CUBE

Balcony steel fixed through to substrate structure. Arrangement shown is approximate. All balcony structure to be assessed by a structural engineer prior to any works. Do not undertake any unbolting of steels without prior approval of structural engineer.

Use Dimensions - DO NOT SCALE

The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey. All errors and omissions to be reported prior to commencement. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

This Drawing Is Copyright of DMWR Architects

Scale Bar

1.5	mm	50	115
1.10	mm	52	205
1.20	mm	203	632
1.50	mm	520	1250

To be used as guidance only

These drawings have been produced based on limited information supplied to DANWE. No checks have been undertaken to confirm accuracy of drawings and DANWE does not accept any liability for variations from existing arrangement.

These drawings are not intended for construction purposes, nor are they fully representative of all details and materials required. These drawings are intended as design intent for the purposes of obtaining tender only.

The contractor should undertake all necessary site surveys and investigations to ascertain all dimensions required for construction purposes and the production of detail manufacturing drawings or any other purposes.

Excluded from the scope of the contract are all items of construction from foundation to roof level.

Exactly what you need, produced with minimal material and labor. Designed to be used by others. The design team has produced detail drawings that have been produced with manufacturing in mind and are used in conjunction with the specification document for all associated components. These Design Detail Drawings and Specification Document are for the purposes of build. The Contract Administrator uses to complete detailed working drawings or construction. Detailed fabrication drawings to be suitable for comments. In all cases the manufacturing information should appear and all other matters must be fully delineated for application and be subject to approval by the Drawing Inspector and the Engineer.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

Rev	Date	Revision Description	DM	CR	SE	CT
A	06/05/22	Notices revised				
B	07/06/22	Notice revised				
C	25/08/22	Changing table shown to miss F3				

Project Name
The Cube - The Frame
Manchester.
Facade Remediation.

THOMASONS

Balconies - The Cube

Drawing Reference:		3842	Drawn Job No
3842-DR-210			
Drawn Date	Scale	Drawn By	
27.04.2022		SE	
Drawing Status:		Checked By	
PRELIMINARY		CL	

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Contact DNVN® for more information

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site. Drawings and contents are subject to the approval of the Building Inspector.

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

**Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to match existing.**

Dotted line denoting window openings
above/below)

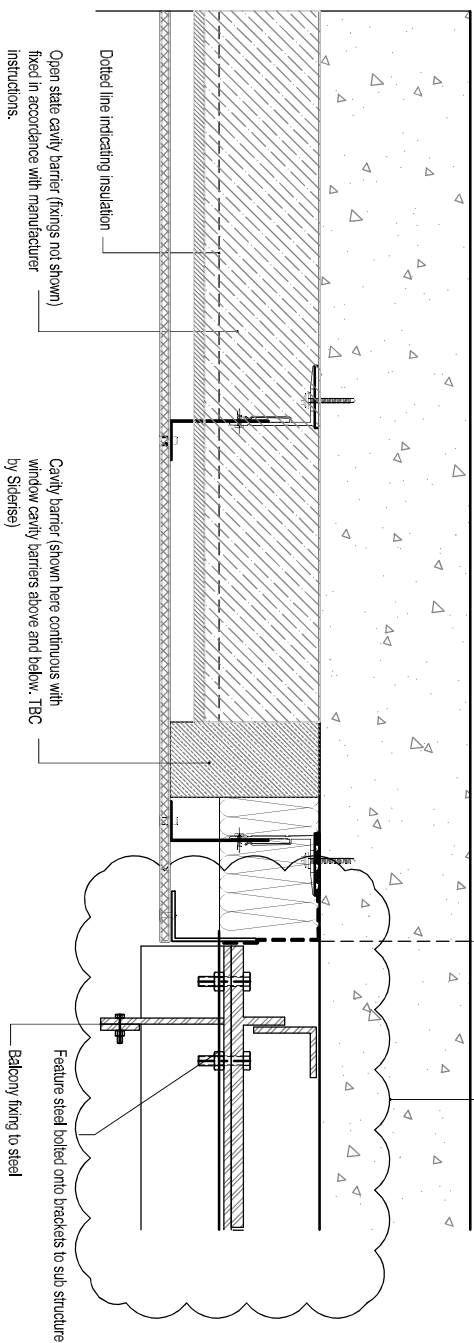
Position of fire barrier to be agreed with Fire Engineer

Remove existing decking, all insulation, all timbers, including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barmers/Closures.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer



(OUTSIDE

HORIZONTAL SECTION AT FEATURE STEEL AND FIRE BARRIERS (The Frame)

Use Dimensions - DO NOT SCALE

The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey. All errors and omissions to be reported prior to commencement. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

Drawing is Copyright of DNWR Architects LTD

Scale Bar		To be used as guidance only	
1:5	mm	50	100
1:10	mm	100	200
1:20	mm	200	400
1:40	mm	400	800

NOTES

These drawings have been produced based on limited information supplied to DAWR. No checks have been undertaken to confirm accuracy of drawings and DAWR does not accept any liability for variations from existing arrangement.

The contract should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detailed manufacturing drawings of any other purpose.

Expenditures will also have been produced with limited information from published literature and by other published sources.

Manufacturers to provide Fire Test Certification for open steel and closed steel barrier systems confirming compatibility with overall wall assembly and compliance.

Rev	Date	Author	Description	Dim	Cl	Dim	Cl
0	26/03/22		FB position adjusted	SE	CL		
0	26/03/22		F750 band	SE	CL		
B	17/03/22		Support bracket revised (continues)	SE	CL		
A	06/03/22		Notes revised	SE	CL		
			Revised Description	Dim	Cl		

Project Name
The Cube - The Frame
Manchester.
Facade Remediation.

THOMASONS

Section Through Feature Steel

3842

3842-DR-211	D
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CE	7707.40.17
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PRELIMINARY

D M M

Archite

London EC1 N 8AT

mailto:mail@dmwr.co.uk

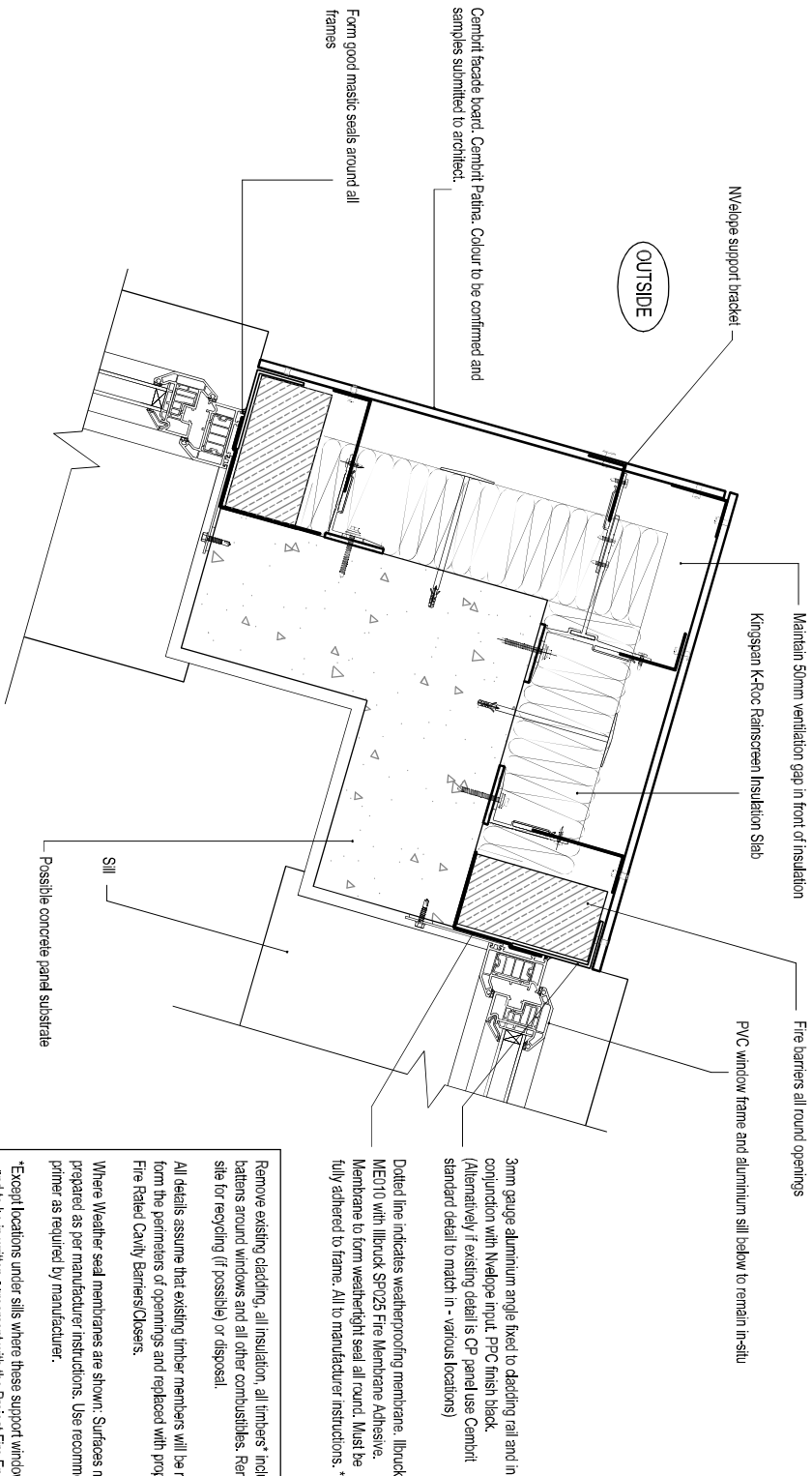
Contact DNRW for more information

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site.

Drawings and contents are subject to the approval of the Building Inspector.

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to match existing.



3mm gauge aluminium angle fixed to cladding rail and in conjunction with Nvelope input. PPC finish black.
(Alternatively if existing detail is CP, panel use Cembrit standard detail to match in - various locations)

Dotted line indicates weatherproofing membrane. Illbruck ME010 with Illbruck SP025 Fire Membrane Adhesive. Membrane to form weathertight seal all round. Must be fully adhered to frame. All to manufacturer instructions. *

battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer

PLAN SECTION THROUGH 'SAW TOOTH' TO "THE FRAME" NORTH ELEVATION
(Approximate expectation only)

Scale Bar To be used as guidance only

1.5	mm	50	150
1.10	mm	100	300
1.20	mm	200	600
1.50	mm	500	1000

Use Dimensions - DO NOT SCALE
The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to provisional survey.
All errors and omissions to be reported prior to commencement. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

These drawings have been produced based on limited information supplied to DMMR. No checks have been undertaken to confirm accuracy of drawings and DMMR does not accept any liability for variations from existing arrangement.

The contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detail manufacturing drawings or any other purpose.

The Design team has produced their design drawings for manufacturing and they are to be used in conjunction with the specification document for all associated components. These Design team drawings and Specification documents are for the purposes of tender. The contractor's subcontractors are to complete detailed working drawings for construction. Detailed technical drawings to be suitable for comments in all cases for consideration, recommendations against space and allow other matters to be fully identified for application and to be subject to approval by the Building Inspector and Fire Engineer.

Manufacturers to provide Fire Test Certification for open steel and closed steel barrier systems confirming compatibility with overall wall assembly and compliance.

Rev	Date	Revision Description	SE	CR
B	07/03/22	Notes revised	SE	CR
A	06/05/22	Notes revised	SE	CR

Project Name
The Cube_ The Frame
Manchester.
Facade Remediation.

Corner Detail at Windows N Elevation The Frame

Drawing Reference	Revision	
3642-D-R-212	B	
Drawing Date	Scale	Drawn By
27.04.2022	1/5	SE
Drawing Status	Checked By	
PRELIMINARY	CL	

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www.dmwr.co.uk

Contact ENVR² for more information

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site.

Drawings and contents are subject to the approval of the Building Inspector.

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd
Fixing patterns to rivets to match existing.

Vents and ducting not shown. All plastic combustible ducting within the cladding zone to be replaced with proprietary non combustible ducting and PPC metal terminal grills - colour to match surrounds.

Timber frame is shown notional

Dotted line indicates weatherproofing membrane. 1lb/brick
ME480 BB - to be used where limited frame surface min
10mm is available in frames flush with timber substrate *
TBC and subject to Fire Engineer input.

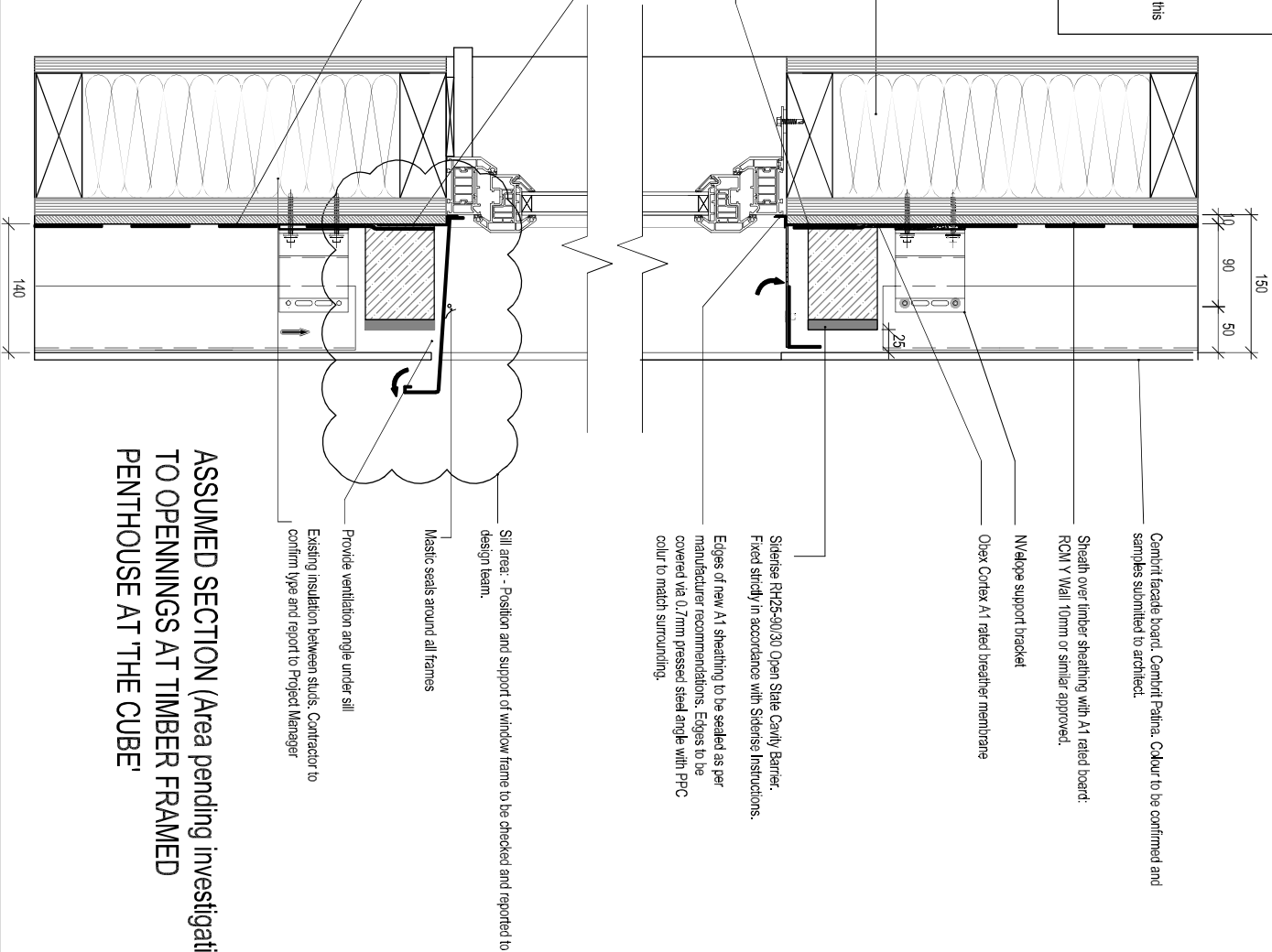
At timber sheathed areas incorporate Obex C breather membrane or other equal approved.

Remove existing cladding, all insulation, all timbers* including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer



**ASSUMED SECTION (Area pending investigation)
TO OPENINGS AT TIMBER FRAMED
PENTHOUSE AT THE CUBE**

Use Dimensions - DO NOT SCALE

The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey. All errors and omissions to be reported prior to commencement. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

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Scale Bar		To be used as guidance only
1.5		1/2
1.10		3/5
1.20		6/9
1.80		10/8

NOTES

These studies that have produced best-in-class information supported DMA's position that the new product-based information system is the best way to protect the intellectual property of a company's R&D efforts. DMA's research also indicates that the new product-based information system is the best way to protect the intellectual property of a company's R&D efforts. DMA's research also indicates that the new product-based information system is the best way to protect the intellectual property of a company's R&D efforts.

Manufacturers to provide Fire Test Certification for open state and closed state barrier systems confirming compatibility with overall wall assembly and compliance.

	Date	New	Revision Description	Dm1	Ck1	SE	CL
C	20106122		Checking table shown to miss FB			SE	CL
B	07106221		Notes written below revised.			SE	CL
A	06051222		Notes revised			SE	CL

Project Name	The Cube The Frame			Name
	Manchester, Pa			
	Facade Remediation.			
Spec	TFCMS/MS			
Drawing Title	Possible window head & Sill to timber frame elements.			Client Job No
Drawing Reference.	3842-DI-213			Client No
Drawing Date	27.04.2022			Drawn Job No
Drawing Status	1/5			3842
PRELIMINARY				Revision
				C
				Drawn By
				SE
				Checked By
				CL

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Contact DNVN® for more information

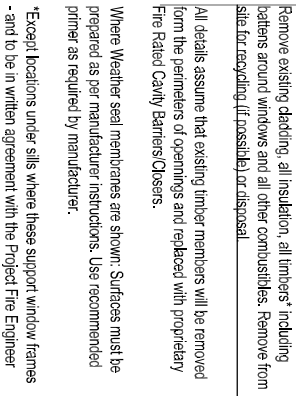
Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site.

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**Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to rivets to match existing.**

Vents and ducting not shown. All plastic combustible ducting within the cladding zone to be replaced with proprietary non combustible ducting and PPC metal terminal grills - colour to match surrounds.



ASSUMED SECTION (Area pending investigation) AT
TIMBER FRAME TO CONCRETE TRANSITION NORTH
ELEVATION THE CUBE

This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

This Drawing Is Copyright of DMVR Architects LTD

NOTES

No checks have been undertaken to confirm accuracy of drawings and DIMMR does not accept any liability for variations from existing arrangement.

design intent for the purposes of obtaining t

manufacturing drawings or any other purpose.

The Design Intent As Proposed: "Global drive

purpose or lender. The connector / sub-con

and Fine Financier

systems confirming compliance with these

[illegible]

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[illegible]

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8	07/06/22	Notes revised
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10

The Cube – The Frame

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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Drawing Reference.

Scale

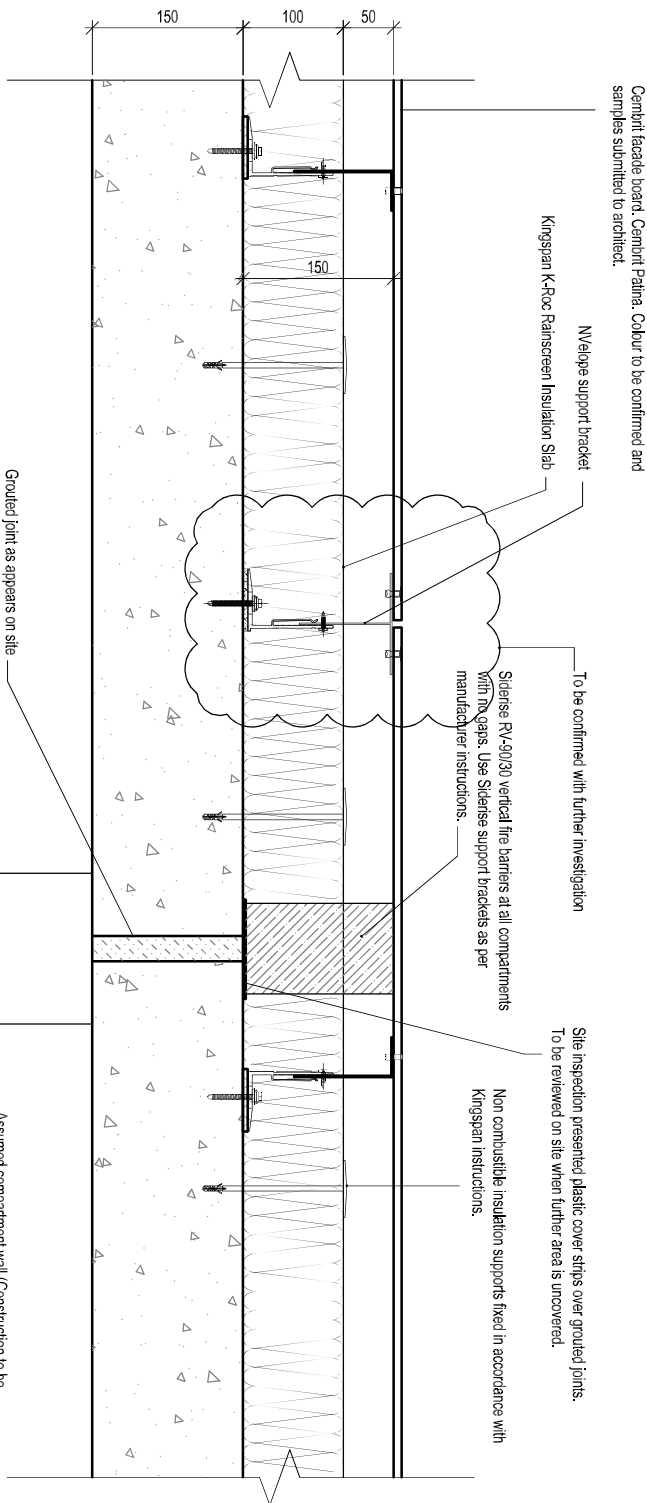
ORIGINAL FILMING

Contact DAWG2 for more information

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site.

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

**Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.
Fixing patterns to match existing.**



TYPICAL PLAN SECTION DETAIL AT COMPARTMENT
AND CLADDING JOINT

Vents and ducting not shown. All plastic combustible ducting within the dadding zone to be replaced with proprietary non combustible ducting and PPC metal terminal grills - colour to match surrounds.

Slit inspection presented plastic cover strips over grouted joints. To be reviewed on slit when further area is uncovered.

Non combustible insulation supports fixed in accordance with Kingspan instructions.

Assumed compartment wall (Construction to be confirmed)

Remove existing cladding, all insulation, all timbers* including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed form the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer

Use Dimensions - DO NOT SCALE

The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey. All errors and omissions to be reported prior to commencement. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

This Drawing Is Copyright of DNWR Architects LTD

Scale Bar		To be used as guidance only	
1.5	mm	50	100
1.10	mm	100	200
1.20	mm	200	400
1.40	mm	200	1000

These drawings have been produced based on limited information supplied to DANVR. No checks have been undertaken to confirm accuracy of drawings and DANVR does not accept any liability for variations from existing arrangement.

These drawings are not intended for construction purposes, but are only very loose drawings of all ideas and materials required. These drawings are intended as design intent for the purposes of obtaining tender only.

The contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detailed construction drawings or any other purpose.

Excavation will be left to the contractor and not limited information from landfilled material.

[illegible]

Manufacturers to provide Fire Test Certification for open side and closed side barrier systems confirming compatibility with overall wall assembly and compliance.

[illegible]

Project Name	The Cube - The Frame Manchester, Facade Remediation.			Name
Client	TH&M&S&S			
Drawing Title	Section Through Vertical Compartment (The Cube)			Client Job No
Drawing Reference	3842-D-R-216			Client Job No
Drawing Date	27.04.2022			3842
Scale	1/5			Revision
Drawn By	SE			B
Checked By	CL			

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www.dmwr.co.uk

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site.

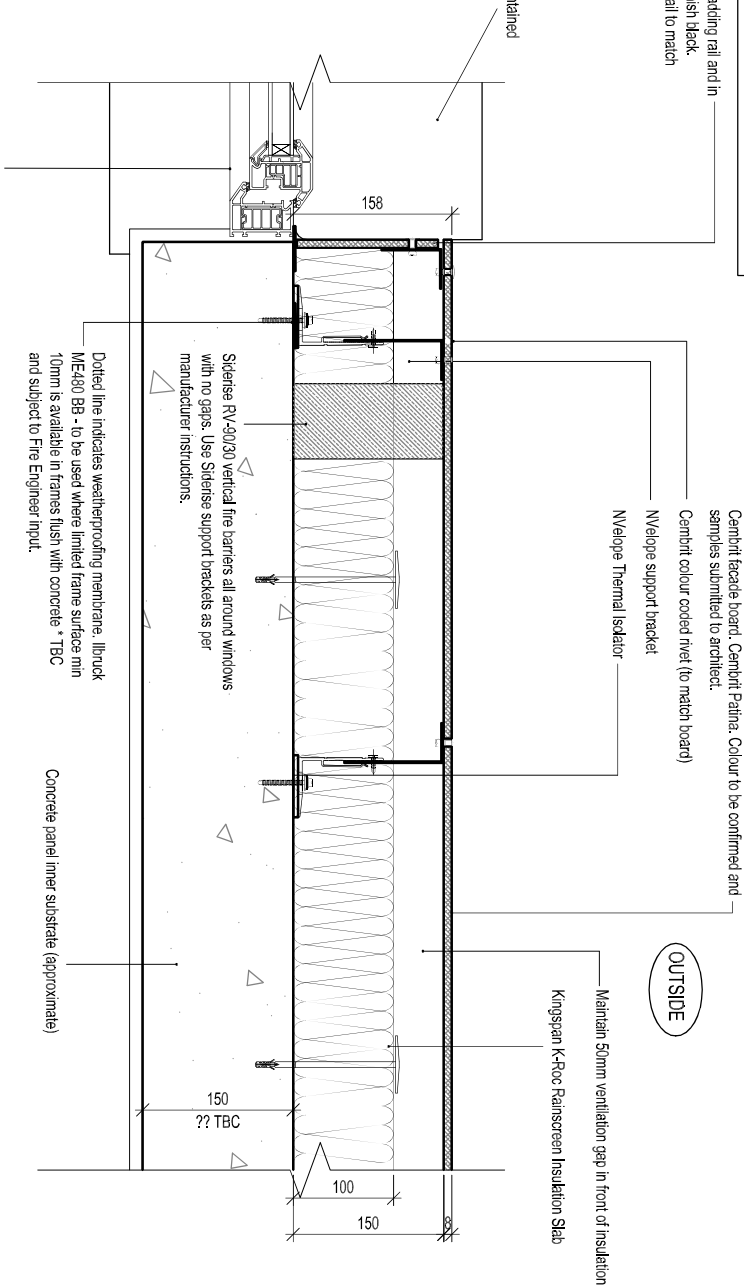
Drawings and contents are subject to the approval of the Building Inspector.

Details are meant to achieve a close match to the existing. Where variation from this occurs do not proceed until approval by the Project Manager and Architect.

**Final arrangements of rails / support systems to be undertaken by N/Envelope Ltd..
Fixing patterns to rivets to match existing.**

3mm gauge aluminium plate fixed to cladding rail in conjunction with Nvelope input. PPC finish black. (Alternatively use Cembrit standard detail to match existing in various locations)

Existing aluminium sill below to be maintained



Vents and ducting not shown. All plastic combustible ducting within the dawning zone to be replaced with proprietary non combustible ducting and PPC metal terminal grills - colour to match surrounds.

Existing extruded PVC window frames and glass to remain in situ during construction. Site investigation suggests fixed to concrete sub structure.

Dotted line indicates weatherproofing membrane. 1lb/brick ME480 BB - to be used where limited frame surface min 10mm is available in frames flush with concrete * TBC and subject to Fire Engineer input.

Concrete panel inner substrate (approximate)

Remove existing cladding, all insulation, all timbers* including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Barriers/Closers.

Where Weather seal membranes are shown: Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer

WINDOW JAMB - NO FEATURE STEEL

Scale Bar		To be used as guidance only	
1:5	mm	50	150
1:10	mm	100	300
1:20	mm	200	600
1:50	mm	500	1000

Use Dimensions to Check All Dimensions at all times.
The Contractor is to check all dimensions & conditions on site before commencing. Subject to professional survey.
All errors and omissions to be reported prior to commencement.
This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

These drawings have been produced based on limited information supplied to DMMW. No checks have been undertaken to confirm accuracy of drawings and DMMW does not accept any liability for variations from existing arrangement.

The contractor should undertake all necessary site surveys and investigations to ascertain accurate dimensions required for construction purposes and the production of detail manufacturing drawings or any other purpose.

opening up by others. The Design team has processed visual drawings that have been produced with manufacturing in mind. The drawings are not intended to be used in conjunction with the specification document for all accessories and components. These Design team drawings and Specification Document are for the purpose of reference. The contract fabricator's are to complete detailed working drawings for construction. Detailed fabrication drawings are to submit for comments. At all times the manufacturing manufacturer should always refer to the original design drawings for the fully confirmed for application and to be subject to approval by the Building Inspection and Design Engineering.

Manufacturers to provide the best Certification for open state and closed state can be systems confirming compatibility with overall wall assembly and compliance.

[illegible]

Project Name	Cable _The Frame Manchester, Facade Remediation.					
Client	THOMPSONS					
Drawing Title	Window Jamb - No Feature Steel					
Drawing Reference:	3842-DR-217					
Drawing Date:	17.05.2022		Scale	1/5		
Drawing Status	PRELIMINARY					
Name	Client Job No	Client No	Drawn By	SE	Checked By	CL
	JAMES JOB NO	3842	Revision	B		

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www.drmr.co.uk

Contact DNVIR for more information

Drawing has been produced with limited information due to existing as built drawings being unavailable. Existing assemblies may vary on site. Drawings and contents are subject to the approval of the Building Inspector.

**Final arrangements of rails / support systems to be undertaken by NVELOPE Ltd.,
Fixing patterns to rivets to match existing.**

Dotted line indicates weatherproofing membrane. Ilbruck ME10 with Ilbruck SP025 Fire Membrane Adhesive. Membrane to form weathertight seal all round. Must be fully adhered to frame. All to manufacturer instructions. * Minimum bond to window frame 20mm.

Minimum bond to window frame 20mm.

A restricted bond zone of 50mm above the galvanised angle. Do not exceed or reduce. Avoid dashed and overly complex fixing detail

Aluminium flashing to top of cladding contractor to make detailed proposals.

Existing timbers supporting frame to remain in situ subject to approval of the Fire Engineer.

C Section balcony support _____

C Section spanning between balcony support brackets

Insect meshes at all ventilation gaps.

Insect meshes at all ventilation gaps.

~~Cembrit cladding fixed via cold rolled brackets off existing structure. Design to be completed by specialist.~~

structure. Design to be completed by ~~specialist~~

Dotted lines showing balcony support brackets beyond

Fire barrier inserted between frame and steel - design to be specified and completed by Siderise Ltd.

Under review - Fire Barrier positions and thickness.

Remove all PIR insulation and replace with A1 class mineral wool.

Spandrel panel

Remove existing cladding, all insulation, all linings, including battens around windows and all other combustibles. Remove from site for recycling (if possible) or disposal.

All details assume that existing timber members will be removed from the perimeters of openings and replaced with proprietary Fire Rated Cavity Batten/Closers.

Where Weather seal membranes are shown, Surfaces must be prepared as per manufacturer instructions. Use recommended primer as required by manufacturer.

*Except locations under sills where these support window frames
- and to be in written agreement with the Project Fire Engineer

The Contractor is to check all dimensions at all times. Contractor to check the dimensions & conditions on site before commencing. Subject to professional survey. All errors and omissions to be repaired prior to commencement. This drawing must be read in conjunction with the relevant specification clauses. This drawing must not be used for purposes other than that for which it is provided. All drawings subject to statutory authority approval.

This Drawing Is Copyright of DNWR Architects LTD

Scale Bar To be used as guidance only

1.5	mm	50	100
1.10	mm	50	100
1.20	mm	100	500
1.50	mm	500	1000

These drawings have been produced based on limited information supplied to DMM. No checks have been undertaken to confirm accuracy of drawings and DMM is not accepting any liability for variations from existing structures.

These drawings are not intended to constitute a contract, nor are they fully representative of all details and materials required. These drawings are intended as design input for the purposes of obtaining tender only.

The contractor should conduct all necessary site surveys and investigations to ascertain all dimensions required for construction purposes and the production of detailed construction drawings of every detail required.

Engineers will not be held responsible for providing information from incomplete drawings.

opening up to others. The assignment that Professor Stetler assigns has been produced with manufacturing in mind and is to be read in conjunction with the specification document for all accessories for the copiers. These design briefs having all Specification documents for the purpose of these. The contradictory sub-construction is to complete eleven working drawings for construction. Detailed design drawings are to be submitted to clients. In all cases the construction of manufacturing standards varies and all other materials to be fully confirmed for application and to be subject to approval by the Building Department and the Engineer.

Manufacturers to provide Fire Test Certification for open side and closed side barrier systems confirming compatibility with overall wall assembly and compliance.

[illegible]

Project Name The Cube - The Frame Manchester, Facade Remediation.	Team
Client THOMSON	
Drawing Title Window Head and Sill at Balcony (The Cube)	Client Job No Client No Drawing Job No 3942
Drawing Information 3942-CH-R-218	Revision -
Drawn By 17.05.2022	Drawn By SE
Drawing Status PRELIMINARY	Checked By CL

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Contact ENVIRO for more information