



Harry Lo &lt;harrykhlo@gmail.com&gt;

## Fwd: Incorrect Thermal broken Aluminum Joinery: 2 Rapare St. Job No.27363 - JSR Construction.

1 message

Ricky Wong &lt;jsrconstruction.nz@gmail.com&gt;

Tue, Dec 20, 2022 at 4:37 PM

To: Harry Lo &lt;harrykhlo@gmail.com&gt;, Jessica Lee &lt;jlee2609@yahoo.com.hk&gt;

Hi Harry &amp; Jessica

How are you?

Just to let you know that Hagley aluminium has re-ordered all the stiles in thermally broken and we will replace these on site for you once they arrive.

They are expecting the metal to arrive in mid to late January.

Thanks

Ricky

----- Forwarded message -----

From: Ricky Wong &lt;jsrconstruction.nz@gmail.com&gt;

Date: Sun, Dec 11, 2022 at 8:49 AM

Subject: Fwd: Incorrect Thermal broken Aluminum Joinery: 2 Rapare St. Job No.27363 - JSR Construction.

To: Matt McLelland &lt;matt.mclelland@hagley.co.nz&gt;

----- Forwarded message -----

From: Harry Lo &lt;harrykhlo@gmail.com&gt;

Date: Sun, 20 Nov 2022, 22:06

Subject: Incorrect Thermal broken Aluminum Joinery: 2 Rapare St. Job No.27363 - JSR Construction.

To: Ricky Wong &lt;jsrconstruction.nz@gmail.com&gt;

Cc: Sze Ping Jessica Lo &lt;jlee2609@yahoo.com.hk&gt;

Kia ora Ricky

Thank you for your effort for building our house.

However, we cannot accept 59% and 8.7 % of incorrect and uncertain thermally broken joinery respectively.

I recognise that we are both victims in this incident. However, I must run this complaint past you due to our contractual relationship. I wonder whether you would like me to contact the subcontractor's directors or senior management about this incident, or whether you would like to do so yourself?

For your reference, I plan to estimate the cost of rectification and will let you know how it is going.

The following evidence showed that your supplier does not have capability to provide the up-to-standard thermal broken aluminium windows and doors though the supplier has accepted the offer to supply you all the thermal broken aluminium windows and doors for our house at [2 Rapere Street, Rolleston 7615](#).

- 1) After all the aluminium windows and doors are installed, the email from Tom Ashwin from Hagley Windows & Doors on 31 October 2022 at 8:01am stated that he checked the paperwork for our order on which all items are thermally broken as requested.
- 2) The email from Tom Ashwin from Hagley Windows & Doors on 31 October 2022 at 2:02pm admitted that the supplier of the Hagley Windows & Doors has not been being capable of supplying the up-to-standard thermally broken windows and doors for the past couple of years.
- 3) Your email on 17 November 2022 at 4:05 pm showed that the Hagley Windows & Doors on 31 October 2022 at 2:02pm is not capable of compensating their negligence for installing the incorrect products.

You shall provide us with all the satisfied up-to-standard thermally broken aluminium joinery. You are requested to replace and re-install all the incorrect entire windows and doors. Partly replacement of aluminium materials on the site is not acceptable. You are also liable for all our losses of cost including but not limited to the related the matters of any material reinstatements, any material variations, any time delay and any opportunity costs incurred by the correction of the aluminium windows and doors. The incorrect and uncertain products are stated below with the corresponding photos and the photo location plan (Figure 1 below). The product quote no. 27363 from your subcontractor is attached for your reference.

There are following two issues on the thermally broken aluminium windows and doors:

- 1) The parts of the windows and doors frames do not have the thermally broken strip. These windows and doors make up 59% of the area of all the aluminium joinery products. The total area of these problematic aluminium joinery is 28.8 m sq. The total area of all aluminium joinery products is 48.6 m sq. These problematic products are shown in the following photos (note that the photos and the location plan are given at the end of this email):
  - a) Photo 1 – Indicating the non-thermally broken parts of the Sliding Door “Lounge D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)
  - b) Photo 2 – Typical joint between the vertical frame of the sliding door and the horizontal frame of the window shows that the shared frame between the door and the window do not have the thermally broken strip.
  - c) Photo 3 – Typical slide door frame shows that the slide door does not have thermally broken strip
  - d) Photo 4 – Indicating the non-thermally broken parts of the Sliding Door “Living D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)
  - e) Photo 5 – Indicating the non-thermally broken parts of the Sliding Door “Dining D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)
  - f) Photo 6 – Indicating the non-thermally broken parts of the Sliding Door “Bedroom 3 D5” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)

- g) Photo 7 – Indicating the non-thermally broken parts of the Sliding Door “Bedroom 2 D4” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)
- h) Photo 9 – Indicating the non-thermally broken parts of the Sliding Door “Master Bedroom D3” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)
- i) Photo 12 – Indicating the non-thermally broken parts of the Sliding Door “Bedroom 4 D4” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)
- 2) The frames of the windows that we are not sure if they are thermally broken or not since the depths of those window frames seems to be smaller than others 32% of the thermally broken joinery by comparing the distances between the frames and the internal and external walls. The total area of these uncertain aluminium joinery is 4.2 m sq. (8.7 % of the total area). These products are shown in the following photos:
- Photo 8 – Indicating uncertain thermally broken window “Bedroom 2 W5” (Door number referred to the attached quote no. 27363) (Trim Size: 600 x 2400; Area: 1.37 m sq)
  - Photo 10 – Indicating uncertain thermally broken window “Master Bedroom W4” (Door number referred to the attached quote no. 27363) (Trim Size: 600 x 2400; Area: 1.37 m sq)
  - Photo 11 – Indicating uncertain thermally broken window “Master Bedroom W3” (Door number referred to the attached quote no. 27363) (Trim Size: 1000 x 1500; Area: 1.5 m sq)

Please do not hesitate to let us know if you disagree with any contents of this email or have any problems, concerns, questions, or objections. Thank you for your attention.

Nga mihi,

Kind regards,

Harry



Photo 1 – Indicating the non-thermally broken parts of the Sliding Door “Lounge D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)



Photo 3 – Typical slide door frame shows that the slide door does not have thermally broken

Photo 2 – Typical joint between the vertical frame of the sliding door and the horizontal frame of the window shows that the shared frame between the door and the window do not have the thermally broken strip.

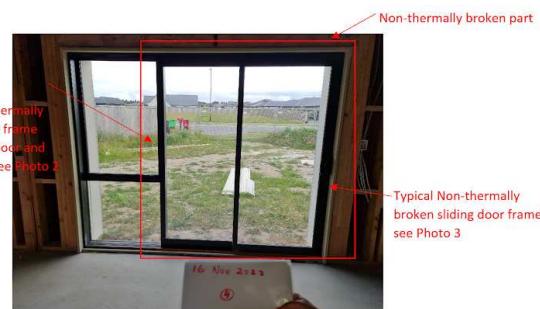


Photo 4 – Indicating the non-thermally broken parts of the Sliding Door “Living D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)



Photo 5 – Indicating the non-thermally broken parts of the Sliding Door “Dining D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)



Photo 6 – Indicating the non-thermally broken parts of the Sliding Door "Bedroom 3 D5" (Door



Photo 7 – Indicating the non-thermally broken parts of the Sliding Door "Bedroom 2 D4" (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)

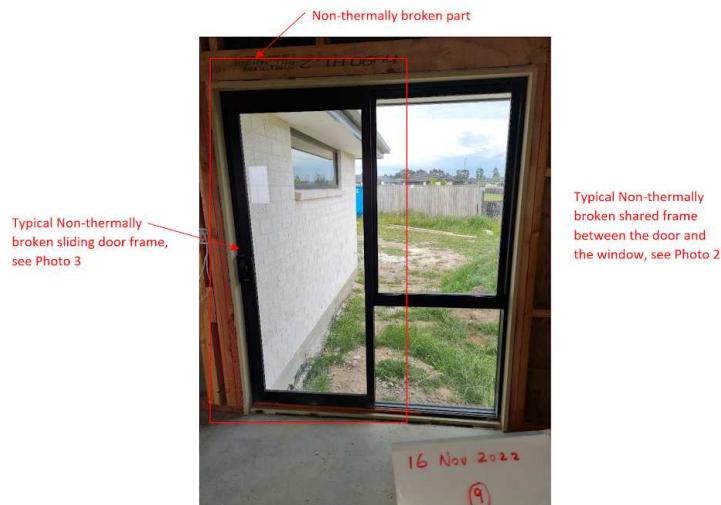


Photo 9 – Indicating the non-thermally broken parts of the Sliding Door "Master Bedroom D3" (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)



Photo 12 – Indicating the non-thermally broken parts of the Sliding Door "Bedroom 4 D4" (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)



Photo 8 – Indicating uncertain thermally broken window "Bedroom 2 W5" (Door number referred to the attached quote no. 27363) (Trim Size: 600 x 2400; Area: 1.37 m sq.)



Photo 10 – Indicating uncertain thermally broken window "Master Bedroom W4" (Door number referred to the attached quote no. 27363) (Trim Size: 600 x 2400; Area: 1.37 m sq.)



Photo 11 – Indicating uncertain thermally broken window “Master Bedroom W3” (Door number referred to the attached quote no. 27363) (Trim Size: 1000 x 1500; Area: 1.5 m sq.)

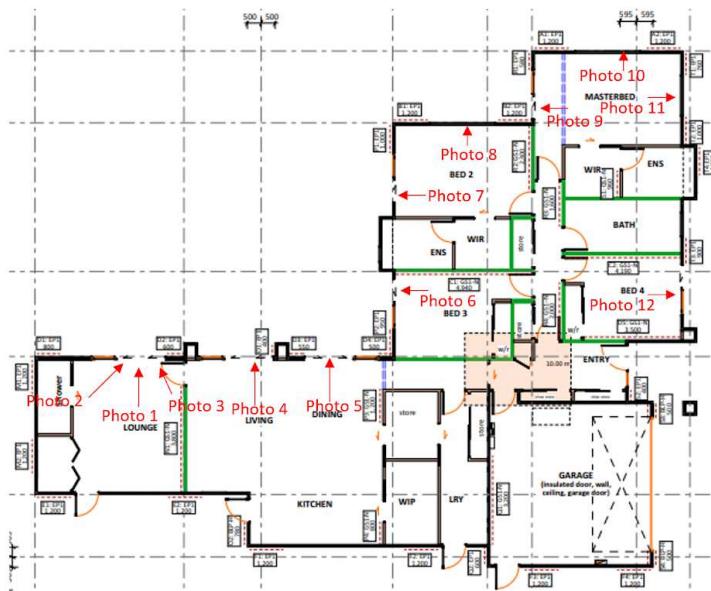


Figure 1 - Photo location plan

On Thu, Nov 17, 2022 at 4:05 PM Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)> wrote:  
Hi Harry & Jessica

Here is the propose solutions to your thermal broken by Hagley

"Thank you for sending this through.

I have spoken to our manager regarding the homeowners concerns with the Sliding Door Stiles being non-thermally Broken.

We have three options here:

1. We are prepared to change the six Sliding Door Stiles on site to the Thermally Broken Stiles but the homeowner needs to be aware of the potential for Thermal Bowing especially being a dark powder-coat colour and therefore does not carry a warranty.
2. Credit back the difference in cost between the standard Aluminium Stiles and the Thermally Broken Stiles which works out to be \$21.50 + GST per Stile. Total \$129.00 + GST
3. More than happy for yourself and the homeowner to come into our Office and discuss the options and homeowner's expectations.

Kind Regards Tom"

----- Forwarded message -----

From: Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
Date: Thu, Nov 17, 2022 at 3:42 PM  
Subject: RE: Building Dispute MB # 050417 - JSR Construction: Job No.27363  
To: Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
Cc: Matt McLelland <[matt.mclelland@hagley.co.nz](mailto:matt.mclelland@hagley.co.nz)>

Hi Ricky

Thank you for sending this through.

I have spoken to our manager regarding the homeowners concerns with the Sliding Door Stiles being non-thermally Broken.

We have three options here:

1. We are prepared to change the six Sliding Door Stiles on site to the Thermally Broken Stiles but the homeowner needs to be aware of the potential for Thermal Bowing especially being a dark powder-coat colour and therefore does not carry a warranty.
2. Credit back the difference in cost between the standard Aluminium Stiles and the Thermally Broken Stiles which works out to be \$21.50 + GST per Stile. Total \$129.00 + GST
3. More than happy for yourself and the homeowner to come into our Office and discuss the options and homeowner's expectations.

Kind Regards Tom

**Tom Ashwin**  
Project Manager  
**Hagley Windows & Doors**

03 33 88 235  
**0274 800 208**  
tom.ashwin@hagley.co.nz  
[www.hagley.co.nz](http://www.hagley.co.nz) 

Waterloo Business Park  
926 Halswell Junction Road  
Christchurch 8042  
New Zealand

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**From:** Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
**Sent:** Thursday, 17 November 2022 12:33 PM  
**To:** Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
**Subject:** Fwd: Building Dispute MB # 050417

----- Forwarded message -----

From: [Build-disputes@fairwayresolution.com](mailto:Build-disputes@fairwayresolution.com)  
Date: Thu, 17 Nov 2022, 09:41  
Subject: Building Dispute MB # 050417  
To: [jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com) <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>

Tēnā koe

We have received a submission to access our early dispute resolution service from the homeowner at [2 Rapere Street, Rolleston](#) regarding some aluminum windows and doors. Please complete the registration form on the following link:

[Register online for early resolution | Fair Way \(fairwayresolution.com\)](#)

More information about our service can also be found here:

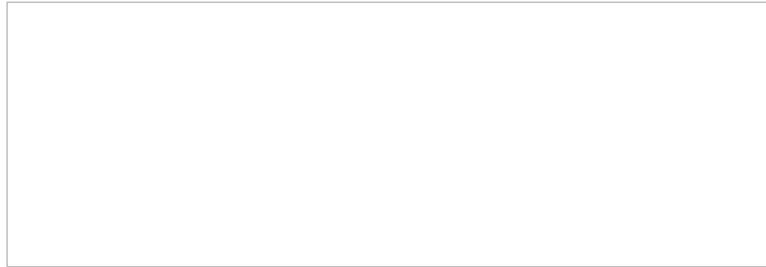
[www.fairwayresolution.com/MB](#)

If you have any questions please do not hesitate to contact me.

Ngā mihi

**Edward Palmer**  
Resolution Coordinator - Customer Experience Team  
T 0800 77 44 02  
E [builddisputes@fairwayresolution.com](mailto:builddisputes@fairwayresolution.com)  
PO Box 2272, Wellington 6140

[fairwayresolution.com/mb](#) 

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**--  
Project Manager**

Ricky Wong  
**JSR CONSTRUCTION LTD**  
0221018468



On Wed, Nov 16, 2022 at 8:58 AM Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)> wrote:

----- Forwarded message -----

From: Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
Date: Wed, 16 Nov 2022, 08:52  
Subject: RE: Thermal broken 2 rapare st. Job No.27363 - JSR Construction.  
To: Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
Cc: Matt McLelland <[matt.mclelland@hagley.co.nz](mailto:matt.mclelland@hagley.co.nz)>

Hi Ricky

As I have explained in previous emails ( Attached ), only the sliding door stiles are not thermally broken due to the thermal bowing issue in particular with dark coloured joinery which is a very small percentage of the overall windows and doors.

I'm not sure where you got more than half from?

Regards Tom

**Tom Ashwin**  
Project Manager  
**Hagley Windows & Doors**

03 33 88 235  
**0274 800 208**  
[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)  
[www.hagley.co.nz](http://www.hagley.co.nz)   
Hag  
Win  
&  
Doc  
You

 Click here to view our Website.

Waterloo Business Park  
926 Halswell Junction Road  
Christchurch 8042  
New Zealand

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**From:** Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
**Sent:** Tuesday, 15 November 2022 8:47 PM  
**To:** Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
**Subject:** Thermal broken 2 rapare st

Tom, this job our contract is to supply thermal broken windows and doors and you had charge extra for that, now more then half don't have rhermal broken, is that means you have credits.

----- Forwarded message -----

From: Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
To: Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
Cc: Matt McLelland <[matt.mclelland@hagley.co.nz](mailto:matt.mclelland@hagley.co.nz)>  
Bcc:  
Date: Tue, 1 Nov 2022 19:06:11 +0000  
Subject: RE: 2 rapere st

Hi Ricky

The doors are thermally Broken except the door stile which is a very small percentage of the overall door as I put in the email.

This is a finding from the Aluminium Extrusion supplier APL and a national decision to supply non-thermally broken lock stiles to avoid any thermal bowing issues to the locking and security of the doors in particular with the darker colours.

I've attached the previous email which explains all.

Regards Tom

**From:** Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
**Sent:** Wednesday, 2 November 2022 7:33 AM  
**To:** Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
**Subject:** 2 rapere st

Tom,

Good morning, with your company new findings is that means our jobs will get credits for door that is not thermal broken ?

----- Forwarded message -----

From: Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
To: Harry Lo <[harrykhlo@gmail.com](mailto:harrykhlo@gmail.com)>  
Cc: "[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)" <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
Bcc:  
Date: Mon, 31 Oct 2022 01:01:48 +0000  
Subject: JSR Construction Job No.27363: 2 Rapare Street, Rolleston.

Hi Harry & Ricky

I have made a few enquiries regarding the Thermal Break in the Sliding Door Stiles and have discovered that APL which is our Aluminium Supplier have had some issues over the past couple of years with the Thermally Broken Sliding Door Stiles bowing in direct sunlight during the summer months in

5/9/23, 11:31 PM

Gmail - Fwd: Incorrect Thermal broken Aluminum Joinery: 2 Rapare St. Job No.27363 - JSR Construction.

particular with the darker colours and when the sun is at its hottest in the middle of the day. The bowing causes the Door Stile to not line up with the Frame and Striker Plate making the door difficult to opening and close during the day but comes back in line in the evening.

A decision was made by APL to supply non-Thermally Broken Sliding Door Stiles for this reason where a dark colour has been requested. APL have carried out some rigorous testing in relation to the efficiency of the Door Stiles being non-Thermally Broken and the loss in the Thermal Rating is only one – two percent over the entire Frame. With the Non- Thermally Broken Door Stiles the product still meets the minimum R rating and does not affect the performance of the Door.

Kind Regards Tom

---

**From:** Harry Lo <[harrykhlo@gmail.com](mailto:harrykhlo@gmail.com)>  
**Sent:** Monday, 31 October 2022 12:48 PM  
**To:** Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
**Cc:** Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>; Sze Ping Jessica Lo <[jlee2609@yahoo.com.hk](mailto:jlee2609@yahoo.com.hk)>  
**Subject:** Fwd: 2 rapare street

Hi Ricky,

The photos of white aluminium frames you sent Tom were not for our house.

On the photos of the black aluminium frames, the layer marked thermal broken is a strip of alumunium but not the thermal broken layer.

Please have a further investigation.

Thanks.

Harry

On Mon, 31 Oct 2022, 11:00 Ricky Wong, <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)> wrote:

----- Forwarded message -----  
From: Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
Date: Mon, 31 Oct 2022, 10:12  
Subject: RE: 2 rapare street  
To: Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>

Hi Ricky

I can see the thermal break in both those photos so no need to go to site.

Cheers Tom



**Tom Ashwin** 03 33 88 235

Project Manager **0274 800 208**

Hagley Windows & Doors tom.ashwin@hagley.co.nz

[www.hagley.co.nz](http://www.hagley.co.nz)

Waterloo Business Park

926 Halswell Junction Road

Christchurch 8042

New Zealand

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---

**From:** Ricky Wong <[jsrconstruction.nz@gmail.com](mailto:jsrconstruction.nz@gmail.com)>  
**Sent:** Monday, 31 October 2022 9:56 AM  
**To:** Tom Ashwin <[tom.ashwin@hagley.co.nz](mailto:tom.ashwin@hagley.co.nz)>  
**Subject:** Re: 2 rapare street

--  
Project Manager  
Ricky Wong  
JSR CONSTRUCTION LTD

0221018468



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 20Nov2022Email-ThermallyBrokenIssueJSRconstructionWithQuoteNo27363.pdf  
682K

Kia ora Ricky

Thank you for your effort for building our house.

However, we cannot accept 59% and 8.7 % of incorrect and uncertain thermally broken joinery respectively.

I recognise that we are both victims in this incident. However, I must run this complaint past you due to our contractual relationship. I wonder whether you would like me to contact the subcontractor's directors or senior management about this incident, or whether you would like to do so yourself?

For your reference, I plan to estimate the cost of rectification and will let you know how it is going.

The following evidence showed that your supplier does not have capability to provide the up-to-standard thermal broken aluminium windows and doors though the supplier has accepted the offer to supply you all the thermal broken aluminium windows and doors for our house at 2 Rapere Street, Rolleston 7615.

- 1) After all the aluminium windows and doors are installed, the email from Tom Ashwin from Hagley Windows & Doors on 31 October 2022 at 8:01am stated that he checked the paperwork for our order on which all items are thermally broken as requested.
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You shall provide us with all the satisfied up-to-standard thermally broken aluminium joinery. You are requested to replace and re-install all the incorrect entire windows and doors. Partly replacement of aluminium materials on the site is not acceptable. You are also liable for all our losses of cost including but not limited to the related matters of any material reinstatements, any material variations, any time delay and any opportunity costs incurred by the correction of the aluminium windows and doors. The incorrect and uncertain products are stated below with the corresponding photos and the photo location plan (Figure 1 below). The product quote no. 27363 from your subcontractor is attached for your reference.

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  - b) Photo 2 – Typical joint between the vertical frame of the sliding door and the horizontal frame of the window shows that the shared frame between the door and the window do not have the thermally broken strip.

The product quote no. 27363 from Hagley Windows & Doors is attached for your reference

- c) Photo 3 – Typical slide door frame shows that the slide door does not have thermally broken strip
  - d) Photo 4 – Indicating the non-thermally broken parts of the Sliding Door “Living D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)
  - e) Photo 5 – Indicating the non-thermally broken parts of the Sliding Door “Dining D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)
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  - c) Photo 11 – Indicating uncertain thermally broken window “Master Bedroom W3” (Door number referred to the attached quote no. 27363) (Trim Size: 1000 x 1500; Area: 1.5 m sq)

Please do not hesitate to let us know if you disagree with any contents of this email or have any problems, concerns, questions, or objections. Thank you for your attention.

Nga mihi,

Kind regards,

Harry



Photo 1 – Indicating the non-thermally broken parts of the Sliding Door “Lounge D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)

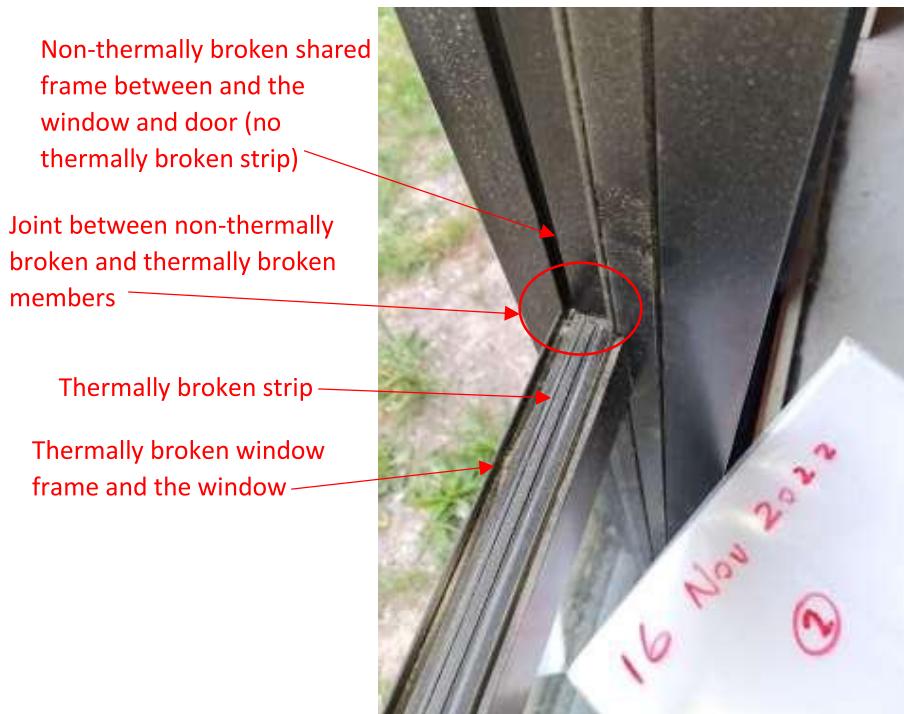


Photo 2 – Typical joint between the vertical frame of the sliding door and the horizontal frame of the window shows that the shared frame between the door and the window do not have the thermally broken strip.

The product quote no. 27363 from Hagley Windows & Doors is attached for your reference



Photo 3 – Typical slide door frame shows that the slide door does not have thermally broken strip



Photo 4 – Indicating the non-thermally broken parts of the Sliding Door “Living D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)



Photo 5 – Indicating the non-thermally broken parts of the Sliding Door “Dining D6” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 2700; Area: 5.751 m sq.)



Photo 6 – Indicating the non-thermally broken parts of the Sliding Door “Bedroom 3 D5” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)



Photo 7 – Indicating the non-thermally broken parts of the Sliding Door “Bedroom 2 D4” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)



Photo 9 – Indicating the non-thermally broken parts of the Sliding Door “Master Bedroom D3”  
(Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)



Photo 12 – Indicating the non-thermally broken parts of the Sliding Door “Bedroom 4 D4” (Door number referred to the attached quote no. 27363) (Trim Size: 2130 x 1800; Area: 3.834 m sq.)



Photo 8 – Indicating uncertain thermally broken window “Bedroom 2 W5” (Door number referred to the attached quote no. 27363) (Trim Size: 600 x 2400; Area: 1.37 m sq.)



Photo 10 – Indicating uncertain thermally broken window “Master Bedroom W4” (Door number referred to the attached quote no. 27363) (Trim Size: 600 x 2400; Area: 1.37 m sq.)



Photo 11 – Indicating uncertain thermally broken window “Master Bedroom W3” (Door number referred to the attached quote no. 27363) (Trim Size: 1000 x 1500; Area: 1.5 m sq.)

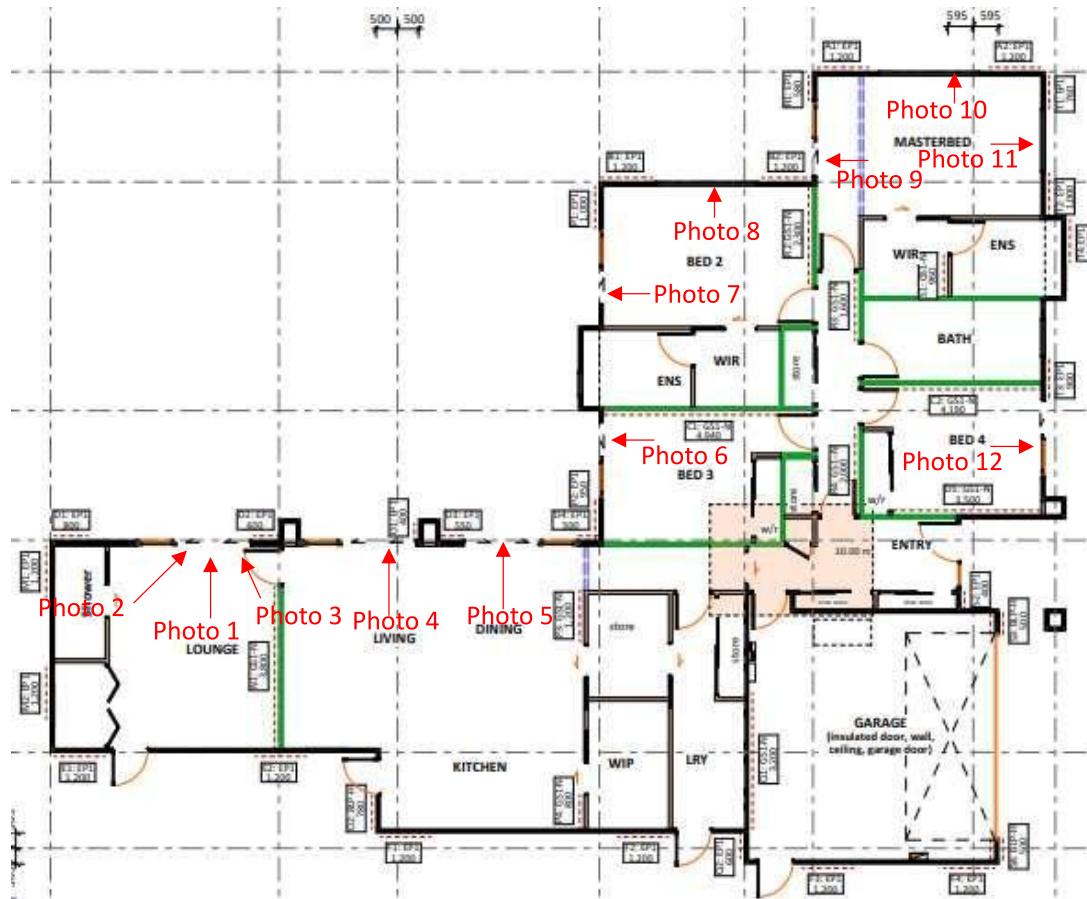


Figure 1 - Photo location plan

Quote No. -27363- Ver 29

Quote Date: 09/02/2022

Last Modify Date: 05/08/2022

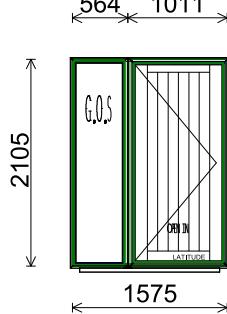
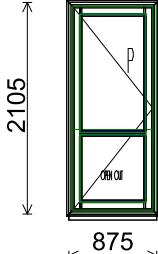
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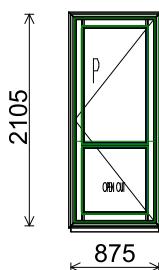
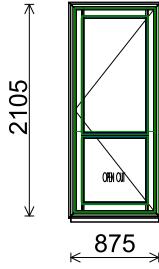
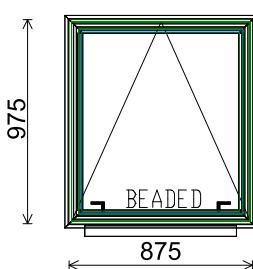
ALL UNITS VIEWED FROM OUTSIDE

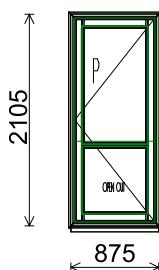
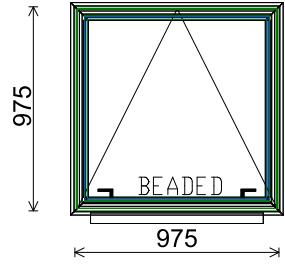
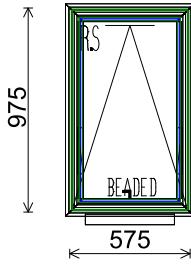
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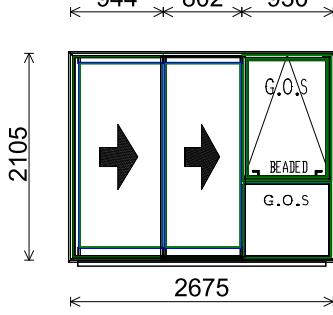
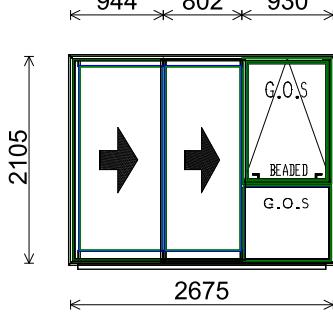
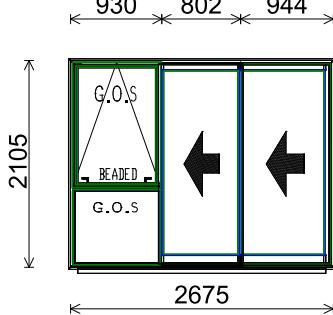
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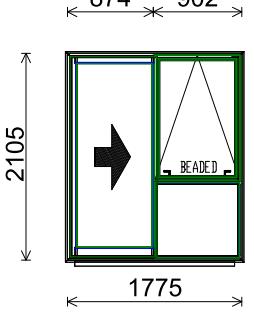
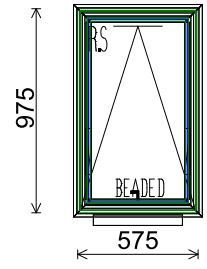
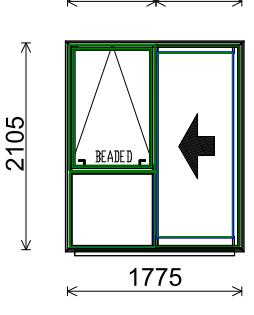
**HAGLEY BUILDING PRODUCTS LTD**

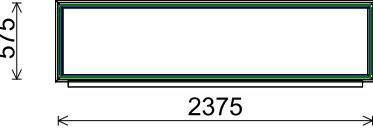
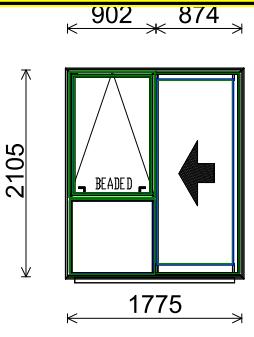
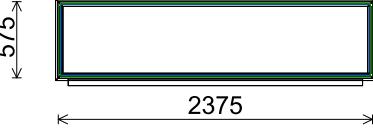
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|---|--|---|---|
| JSR CONSTRUCTION  |  | Company Address:<br>926 HALSWELL JUNCTION RD<br>WATERLOO BUSINESS PARK<br>ISLINGTON |   |
| <b>Quote Title:</b> JSR CONSTRUCTION - 2 RAPER STREET,<br>ROLLESTON                 |  | Phone: 03 33 88 006   |   |
| <b>Colour:</b> METROPOLIS COAL DUST   |  | Fax:  |   |
| <b>Item Units:</b> 21   |  | Sales Rep: Tom Ashwin   |   |
| <b>Delivery Address</b><br>2 RAPER STREET<br>ROLLESTON                              |  | Email:  |   |
|   |  | Quote Comments:   |   |
| <b>Item 1: ENTRY D1</b>   |  | <b>Quantity</b>   | <b>Level</b>  |
|   | Frame Type: TR DOOR COUPLED FRAME<br>Trim Size: 2130 x 1600<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01472D (01472 40mm Support Bar)<br>Weight: 39.296 kg<br>Flashing: No Flashings   | 1   |   |
| OI  | Glass:<br>.DOES NOT CHANGE WITH GLASS STDS<br>4mm Clear Tgh-4mm Clr Tgh  |   | Special Comments<br>LATITUDE LAT00 2025MM X 910MM PANEL WITH WINDSOR 7130(600MM) BLACK PULL HANDLE AND APOEX 4PT LOCKSET. SITE GLAZE. DARKCEDAR WOODGRAIN OUTSIDE MANNEX COAL DUST INSIDE PANEL |
| <b>Item 2: GARAGE D10</b>   |  | <b>Quantity</b>   | <b>Level</b>  |
|  | Frame Type: TR HINGED DOOR FRAME<br>Trim Size: 2130 x 900<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar)<br>Weight: 48.088 kg<br>Flashing: No Flashings<br>Glass:<br>5mm Clr Flt-5mm Clr Flt<br>Hardware:<br>URBO LCL OPTIMUM 40BS 33/48 CT | 1   |   |
| Open Out  |  |   | Special Comments<br>LATCHBACK X 1. PARLIAMENT HINGES  |

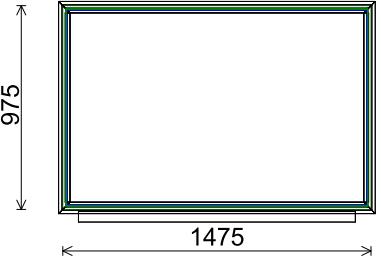
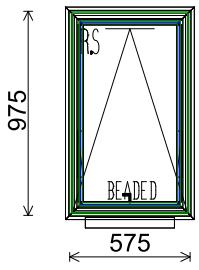
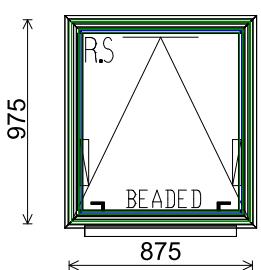
| Item 3:  | LAUNDRY D9  | Quantity   | Level  |
|----------|---|--|--|
| Open Out |    | Frame Type: TR HINGED DOOR FRAME<br>Trim Size: 2130 x 900<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar<br>Weight: 48.088 kg<br>Flashing: No Flashings<br>Glass: 5mm Clr Flt-5mm Clr Flt<br>Hardware: URBO LCL OPTIMUM 40BS 33/48 CT  | 1  |
|          |   |  | <b>Special Comments</b><br>LATCHBACK X 1.<br>PARLIAMENT HINGES |
| Item 4:  | KITCHEN D8  | Quantity   | Level  |
| Open Out |    | Frame Type: TR HINGED DOOR FRAME<br>Trim Size: 2130 x 900<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar<br>Weight: 48.139 kg<br>Flashing: No Flashings<br>Glass: 5mm Clr Flt-5mm Clr Flt<br>Hardware: URBO LCL OPTIMUM 40BS 33/48 CT  | 1  |
|          |   |  | <b>Special Comments</b><br>LATCHBACK X 1.                      |
| Item 5:  | LIVING W9   | Quantity   | Level  |
|          |  | Frame Type: TR AWNING WINDOW COND<br>Trim Size: 1000 x 900<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar<br>Weight: 22.387 kg<br>Flashing: No Flashings<br>Glass: 4mm Clr Flt-4mm Clr Flt<br>Hardware: URBO HELIX VENTING WINDOW FSTNR<br>RH<br>URBO HELIX VENTING WINDOW FSTNR<br>LH | 1  |
|          |   |  | <b>Special Comments</b>  |

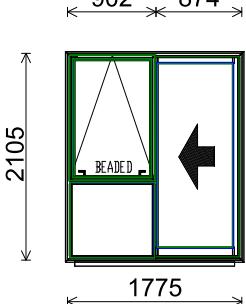
| Item 6:  | LOUNGE D8   | Quantity | Level  |
|----------|---|----------|--|
| Open Out |    | 1        |  |
|          | Frame Type: TR HINGED DOOR FRAME<br>Trim Size: 2130 x 900<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar<br>Weight: 48.088 kg<br>Flashing: No Flashings<br>Glass: 5mm Clr Flt-5mm Clr Flt<br>Hardware: URBO LCL OPTIMUM 40BS 33/48 CT   |          | <b>Special Comments</b><br>LATCHBACK X 1.<br>PARLIAMENT HINGES       |
| Item 7:  | LOUNGE W3   | Quantity | Level  |
|          |    | 1        |  |
|          | Frame Type: TR AWNING WINDOW COND<br>Trim Size: 1000 x 1000<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar<br>Weight: 24.656 kg<br>Flashing: No Flashings<br>Glass: 4mm Clr Flt-4mm Clr Flt<br>Hardware: URBO HELIX VENTING WINDOW FSTNR<br>RH<br>URBO HELIX VENTING WINDOW FSTNR<br>LH |          | <b>Special Comments</b>  |
| Item 8:  | SHOWER W6   | Quantity | Level  |
|          |    | 1        |  |
|          | Frame Type: TR AWNING WINDOW COND<br>Trim Size: 1000 x 600<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar<br>Weight: 15.578 kg<br>Flashing: No Flashings<br>Glass: 4mm Clr Etchlite-4mm Clr Flt Tgh<br>Hardware: RESTRICTOR R130 STSTEEL<br>URBO HELIX VENTING WINDOW FSTNR<br>RH       |          | <b>Special Comments</b><br>OBSCURE SAFETY GLASS.<br>RESTRICTOR STAYS |

| Item 9:  | LOUNGE D6   | Quantity | Level |
|----------|---|----------|-------|
|          |    |          |       |
|          | Frame Type: TH RESIDENTIAL SLIDING DOOR<br>Trim Size: 2130 x 2700<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar)<br>Weight: 171.06 kg<br>Flashing: No Flashings<br>Glass:<br>4mm Clear Tgh-4mm Clr Tgh<br>5mm Clr Flt-5mm Clr Flt<br>Hardware:<br>URBO ENDEAVOUR LK (STD STRIKE)<br>URBO HELIX WINDOW FASTENER LP<br>RH<br>URBO HELIX WINDOW FASTENER LP<br>LH |          |       |
|          | <b>Special Comments</b><br>SITE GLAZE   |          |       |
| Item 10: | LIVING D6   | Quantity | Level |
|          |   |          |       |
|          | Frame Type: TH RESIDENTIAL SLIDING DOOR<br>Trim Size: 2130 x 2700<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01472D (01472 40mm Support Bar)<br>Weight: 170.86 kg<br>Flashing: No Flashings<br>Glass:<br>4mm Clear Tgh-4mm Clr Tgh<br>5mm Clr Flt-5mm Clr Flt<br>Hardware:<br>URBO ENDEAVOUR LK (STD STRIKE)<br>URBO HELIX WINDOW FASTENER LP<br>RH<br>URBO HELIX WINDOW FASTENER LP<br>LH |          |       |
|          | <b>Special Comments</b><br>SITE GLAZE   |          |       |
| Item 11: | DINING D6   | Quantity | Level |
|          |    |          |       |
|          | Frame Type: TH RESIDENTIAL SLIDING DOOR<br>Trim Size: 2130 x 2700<br>Finish: POPULAR COLOURS<br>Reveal: FJ H3 PINE 25mm<br>Hardware Finish: URBO-CM FINISH<br>Wind Loading: HIGH<br>WANZ WIS: 01473D (01473 55mm Support Bar)<br>Weight: 171.06 kg<br>Flashing: No Flashings<br>Glass:<br>4mm Clear Tgh-4mm Clr Tgh<br>5mm Clr Flt-5mm Clr Flt<br>Hardware:<br>URBO ENDEAVOUR LK (STD STRIKE)<br>URBO HELIX WINDOW FASTENER LP<br>RH<br>URBO HELIX WINDOW FASTENER LP<br>LH |          |       |
|          | <b>Special Comments</b><br>SITE GLAZE   |          |       |

| Item 12: BEDROOM 3 D5  | Quantity | Level |
|--|----------|-------|
|  <p>Frame Type: TH RESIDENTIAL SLIDING DOOR<br/>     Trim Size: 2130 x 1800<br/>     Finish: POPULAR COLOURS<br/>     Reveal: FJ H3 PINE 25mm<br/>     Hardware Finish: URBO-CM FINISH<br/>     Wind Loading: HIGH<br/>     WANZ WIS: 01473D (01473 55mm Support Bar)<br/>     Weight: 110.68 kg<br/>     Flashing: No Flashings<br/>     Glass:<br/>         4mm Clear Tgh-4mm Clr Tgh<br/>         5mm Clr Flt-5mm Clr Flt<br/>     Hardware:<br/>         URBO ENDEAVOUR LK (STD STRIKE)<br/>         URBO HELIX WINDOW FASTENER LP<br/>         RH<br/>         URBO HELIX WINDOW FASTENER LP<br/>         LH</p>   | 1        |       |
| <b>Special Comments</b>  |          |       |
|  |          |       |
| Item 13: ENSUITE W6  | Quantity | Level |
|  <p>Frame Type: TR AWNING WINDOW COND<br/>     Trim Size: 1000 x 600<br/>     Finish: POPULAR COLOURS<br/>     Reveal: FJ H3 PINE 25mm<br/>     Hardware Finish: URBO-CM FINISH<br/>     Wind Loading: HIGH<br/>     WANZ WIS: 01472D (01472 40mm Support Bar)<br/>     Weight: 15.545 kg<br/>     Flashing: No Flashings<br/>     Glass:<br/>         4mm Clr Etchlite-4mm Clr Flt Tgh<br/>     Hardware:<br/>         RESTRICTOR R130 STSTEEL<br/>         URBO HELIX VENTING WINDOW FSTNR</p>   | 1        |       |
| <b>Special Comments</b>  |          |       |
| OBSCURE SAFETY GLASS.<br>RESTRICTOR STAYS  |          |       |
| Item 14: BEDROOM 2 D4  | Quantity | Level |
|  <p>Frame Type: TH RESIDENTIAL SLIDING DOOR<br/>     Trim Size: 2130 x 1800<br/>     Finish: POPULAR COLOURS<br/>     Reveal: FJ H3 PINE 25mm<br/>     Hardware Finish: URBO-CM FINISH<br/>     Wind Loading: HIGH<br/>     WANZ WIS: 01473D (01473 55mm Support Bar)<br/>     Weight: 110.68 kg<br/>     Flashing: No Flashings<br/>     Glass:<br/>         4mm Clear Tgh-4mm Clr Tgh<br/>         5mm Clr Flt-5mm Clr Flt<br/>     Hardware:<br/>         URBO ENDEAVOUR LK (STD STRIKE)<br/>         URBO HELIX WINDOW FASTENER LP<br/>         RH<br/>         URBO HELIX WINDOW FASTENER LP<br/>         LH</p> | 1        |       |
| <b>Special Comments</b>  |          |       |
|  |          |       |

| Item 15: BEDROOM 2 W5  | Quantity | Level |
|--|----------|-------|
|  <p>Frame Type: TR AWNING WINDOW COND<br/>     Trim Size: 600 x 2400<br/>     Finish: POPULAR COLOURS<br/>     Reveal: FJ H3 PINE 25mm<br/>     Hardware Finish: URBO-CM FINISH<br/>     Wind Loading: HIGH<br/>     WANZ WIS: 01473D (01473 55mm Support Bar)<br/>     Weight: 39.872 kg<br/>     Flashing: No Flashings<br/>     Glass:<br/>     5mm Clr Flt-5mm Clr Flt</p>  | 1        |       |
| <b>Special Comments</b>  |          |       |
| Item 16: MASTER BEDROOM D3   | Quantity | Level |
|  <p>Frame Type: TH RESIDENTIAL SLIDING DOOR<br/>     Trim Size: 2130 x 1800<br/>     Finish: POPULAR COLOURS<br/>     Reveal: FJ H3 PINE 25mm<br/>     Hardware Finish: URBO-CM FINISH<br/>     Wind Loading: HIGH<br/>     WANZ WIS: 01473D (01473 55mm Support Bar)<br/>     Weight: 110.68 kg<br/>     Flashing: No Flashings<br/>     Glass:<br/>     4mm Clear Tgh-4mm Clr Tgh<br/>     5mm Clr Flt-5mm Clr Flt<br/>     Hardware:<br/>     URBO ENDEAVOUR LK (STD STRIKE)<br/>     URBO HELIX WINDOW FASTENER LP<br/>     RH<br/>     URBO HELIX WINDOW FASTENER LP<br/>     LH</p> | 1        |       |
| <b>Special Comments</b>  |          |       |
| Item 17: MASTER BEDROOM W4   | Quantity | Level |
|  <p>Frame Type: TR AWNING WINDOW COND<br/>     Trim Size: 600 x 2400<br/>     Finish: POPULAR COLOURS<br/>     Reveal: FJ H3 PINE 25mm<br/>     Hardware Finish: URBO-CM FINISH<br/>     Wind Loading: HIGH<br/>     WANZ WIS: 01473D (01473 55mm Support Bar)<br/>     Weight: 39.872 kg<br/>     Flashing: No Flashings<br/>     Glass:<br/>     5mm Clr Flt-5mm Clr Flt</p>  | 1        |       |
| <b>Special Comments</b>  |          |       |

| Item 18: MASTER BEDROOM W3   | Quantity | Level |
|--|----------|-------|
|  <p>Frame Type: TR AWNING WINDOW COND<br/>         Trim Size: 1000 x 1500<br/>         Finish: POPULAR COLOURS<br/>         Reveal: FJ H3 PINE 25mm<br/>         Hardware Finish: URBO-CM FINISH<br/>         Wind Loading: HIGH<br/>         WANZ WIS: 01473D (01473 55mm Support Bar)<br/>         Weight: 33.726 kg<br/>         Flashing: No Flashings<br/>         Glass:<br/>         4mm Clr Flt-4mm Clr Flt</p>   | 1        |       |
| <b>Special Comments</b>  |          |       |
|  |          |       |
| Item 19: ENSUITE W2  | Quantity | Level |
|  <p>Frame Type: TR AWNING WINDOW COND<br/>         Trim Size: 1000 x 600<br/>         Finish: POPULAR COLOURS<br/>         Reveal: FJ H3 PINE 25mm<br/>         Hardware Finish: URBO-CM FINISH<br/>         Wind Loading: HIGH<br/>         WANZ WIS: 01472D (01472 40mm Support Bar)<br/>         Weight: 15.545 kg<br/>         Flashing: No Flashings<br/>         Glass:<br/>         4mm Clr Etchlite-4mm Clr Flt Tgh<br/>         Hardware:<br/>         RESTRICTOR R130 STSTEEL<br/>         URBO HELIX VENTING WINDOW FSTNR<br/>         RH</p>  | 1        |       |
| <b>Special Comments</b>  |          |       |
| OBSCURE SAFETY GLASS.<br>RESTRICTOR STAYS  |          |       |
| Item 20: BATHROOM W1   | Quantity | Level |
|  <p>Frame Type: TR AWNING WINDOW COND<br/>         Trim Size: 1000 x 900<br/>         Finish: POPULAR COLOURS<br/>         Reveal: FJ H3 PINE 25mm<br/>         Hardware Finish: URBO-CM FINISH<br/>         Wind Loading: HIGH<br/>         WANZ WIS: 01473D (01473 55mm Support Bar)<br/>         Weight: 22.387 kg<br/>         Flashing: No Flashings<br/>         Glass:<br/>         4mm Clr Etchlite-4mm Clr Flt Tgh<br/>         Hardware:<br/>         RESTRICTOR R130 STSTEEL<br/>         URBO HELIX VENTING WINDOW FSTNR<br/>         RH<br/>         URBO HELIX VENTING WINDOW FSTNR<br/>         LH</p> | 1        |       |
| <b>Special Comments</b>  |          |       |
| OBSCURE SAFETY GLASS.<br>RESTRICTOR STAYS  |          |       |

| Item 21:                | BEDROOM 4 D4   | Quantity | Level |
|-------------------------|--|----------|-------|
|                         |  <p>Frame Type: TH RESIDENTIAL SLIDING DOOR<br/>     Trim Size: 2130 x 1800<br/>     Finish: POPULAR COLOURS<br/>     Reveal: FJ H3 PINE 25mm<br/>     Hardware Finish: URBO-CM FINISH<br/>     Wind Loading: HIGH<br/>     WANZ WIS: 01473D (01473 55mm Support Bar)<br/>     Weight: 110.68 kg<br/>     Flashing: No Flashings<br/>     Glass:<br/>         4mm Clear Tgh-4mm Clr Tgh<br/>         5mm Clr Flt-5mm Clr Flt<br/>     Hardware:<br/>         URBO ENDEAVOUR LK (STD STRIKE)<br/>         URBO HELIX WINDOW FASTENER LP<br/>         RH<br/>         URBO HELIX WINDOW FASTENER LP<br/>         LH</p> | 1        |       |
| <b>Special Comments</b> |  |          | .     |
|                         |  |          |       |
| 22                      | DELIVERY   | 1        |       |
|                         |  |          |       |
|                         |  |          |       |