



## YOUR SUBMISSION

### YOUR DETAILS:

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**First Name:**

Vincent

**Surname:**

Hubbard

**Email:**

xxxxx@xxxxx.com

**Date of Birth:**

xx/xx/19xx

**Daytime Phone:**

XXXXXXXXXX

**Mobile:**

XXXXXXXXXX

### ADDRESS DETAILS:

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**Street Address:**

XXXXXXXXXXXXXXXXXXXXXX

**Suburb:**

**Town/City:**

XXXXXXXXXXXXXXXXXXXX

**Apprentice of the Year Region:**

Waikato

**Postcode:**

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### EMPLOYER INFORMATION

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**Company Name**



Urban Homes

**Contact Person**

XXXXXXXXXXXXXXXXXX

**Postal Address**

XXXXXXXXXXXXXX

**Suburb**

XXXXXXXXXX

**Town/City**

Hamilton

**Postcode**

**Daytime Phone Number**

XXXXXXXXXXXXXXXXXXXX

**Mobile Number**

XXXXXXXXXXXXXXXXXXXX

**Email Address**

XXXXXXXXXXXXXXXXXXXX

## APPRENTICESHIP INFORMATION

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**Training Provider**

☒ BCITO

☐ Other

**Start date of on-site apprenticeship (you need to have completed at least 2 years by Tues 6 June 2017 to be eligible)**

11/03/2014

**Training advisor**

Scott Needham

**Training advisor daytime phone**

XXXXXXXXXXXXXXXXXXXX

**Training advisor mobile**



XXXXXXXXXXXXXXXXXX

**Training advisor email**

XXXXXXXXXXXXXXXXXX@bcito.org.nz

**Other building qualifications - you can include information about other Unit Standards you have achieved here:**

## WHY YOU?

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*What sets you apart from other apprentices? Write about talents like your leadership skills, skills on the tools, your self motivation and initiative, communication skills and how you work with workmates and clients. You might want to talk about what plans you have for your future career and where you hope your apprenticeship will take you (approx 120 words).*

**Why do you think you've got what it takes to be the Registered Master Builders CARTERS 2017 Apprentice of the Year?**

I believe my attitude and my depth of learning sets me apart from other Apprentices. I started my apprenticeship in a small business (Debonair Bulders) building standard spec new homes (labour only), apartments (labour only), and renovations. After a year on the tools I was offered a job at Urban homes, the high quality nature of their work inspired me to take a chance. I was forced to adapt - I learnt whole new set of systems for a much wider range of materials and finishes. I am proud to say that over 2 years at Urban I have not only met the high standards but have earned the trust of my workmates, foreman and boss. I am now helping train the younger members of our team - imitating and innovating our systems. I am currently looking into more sustainable/eco-friendly building practices with a long term goal of starting a business in this field.

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## MY PROJECT DETAILS

Provide details of a project that you are currently working on or have completed while you were training (try to make it a project that the judges can view for your site visit). You should talk about:

The advanced skills and learning you used on the project.

The initiative you showed following plans and working to code specs.

You can include photos and plans - you will need to have your employer's permission, and you might need to get the permission of your client.

You can view example entries from previous winners on our website. Click update to save your entry, and Logout (or go to a new internet window) and go to the Entries page of the website and scroll down to 'Completed Entry Examples' to view these.

**You can choose whether you would like to submit your project online or in hardcopy.**

- ☒ I would like to submit my Project Details online
- ☐ I would like to submit my Project Details in hardcopy

**You can either describe your project in this box or upload it as a document by using the button below (if you use the box, you can still upload photos or plans using the upload button)**

Choose File (None)

river road project.docx

Please send your Project Details to your local AOY coordinator at the address given below:



## EMPLOYER REFERENCE

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We also need a letter from your employer telling us the following about you:

- What makes you stand out from the rest, and why do you deserve this kind of recognition?
- What has your employer been impressed by during your training?
- Your employer should also describe the skills you have mastered, any initiative you have shown, your enthusiasm and dedication to their business and the trade.
- What makes you different from your peers and why you are an asset to their company.

This should be approximately 120 words.

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Your employer must include the following text in the letter with a signature.

I, being the employer of the entrant, hereby declare that the information included on this entry form is correct and I give permission for the entrant to participate in this competition and the judging process. Should my apprentice have a site visit with the judges, I agree to be onsite for this, or will arrange for the apprentice's foreman or supervisor to meet the judges onsite. I further agree to allow, should the entrant receive an award, permission for him/her to receive the benefits of the award without penalty. I also agree to have my details provided to the sponsors of the competition and acknowledge that I am aware that I may receive marketing from these sponsors.

Please ask your employer to send this letter direct to your local Apprentice of the Year Coordinator.

Contact and address details are listed below.

☐ Employer reference sent

**This box will be ticked when your employer has sent the reference to your local AOY coordinator.**

## EDUCATION AND TRAINING ADVISOR REFERENCE

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We also need a letter from your training advisor/coordinator telling us the following about you - (there is a template for this letter on the website under 'Entry' and a list of questions that will need to be covered in the letter is also available. The letter should state the following about you:

What has impressed them during your training?

Here your training coordinator should write about the progress that they have seen as you have worked towards your National Certificate. They can talk about your attitude to learning, uptake of skills and personal motivation to improve your skills.

Your training advisor needs to include a start date for your on-site experience and advise how far you have progressed through your National Certificate so we can verify the application (approx 120 words).

Please ask your training advisor to send this letter direct to your local Apprentice of the Year Coordinator. Contact and address details are listed below.

**Tick this box when your training advisor has sent the reference to your local AOY coordinator**

☐ Training reference sent

## DECLARATION

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I hereby declare the information included in this entry form is correct and that I have read and understood the terms and the conditions of entry. (These are available on the Entry page of the website). In regards to the details supplied on this entry form, I confirm the project is all my own work and that I have not been assisted in the preparation of these details. I also understand that failure to

XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

02 June 2017

To Whom it may Concern

Apprentice of the Year 2017, Vincent Hubbard

Vincent started his apprenticeship on the 26 February 2014 and is currently working for Urban Homes NZ Ltd. The majority of Vincent's work has mainly been in new residential housing with the occasional renovation. Vincent has completed 72 % of his National Certificate in Carpentry and is looking to complete in the next 6 – 9 months.

Site visits and conversations with Vincent have outlined the knowledge and skills he has gained and continues to gain in the building industry. Vincent enjoys the opportunities to challenge himself on site whether it be with set tasks or managing small jobs. Vincent has a positive attitude for what he does and this is clear to see in his workmanship which is supported by feedback from his foreman and employer. This is also reflected in his goal setting as he achieves his goals at every site visit.

Vincent takes a keen approach to keeping up to date with changes to the industry and material/product knowledge. Vincent is a confident, capable man who is at the stage where he is able to work unsupervised and carry's out tasks to set time frames.

I have no hesitation in recommending Vincent for the 2017 Apprentice of the Year

Scott Needham

BCITO, Training Advisor



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# VINCENT HUBBARD

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## Barker Residence

1857a River Road, Hamilton

Urban Homes



We started construction for Chris and Jan Barker on October 26 2016. The site is very pleasant - right on the bank of the Waikato river on the outskirts of north Hamilton, quiet and peaceful. It was clear from the start, however, the site itself and the architectural design would provide many challenges which we would need to plan for and manage well. The following is a record of details and challenges which were unique to this project.

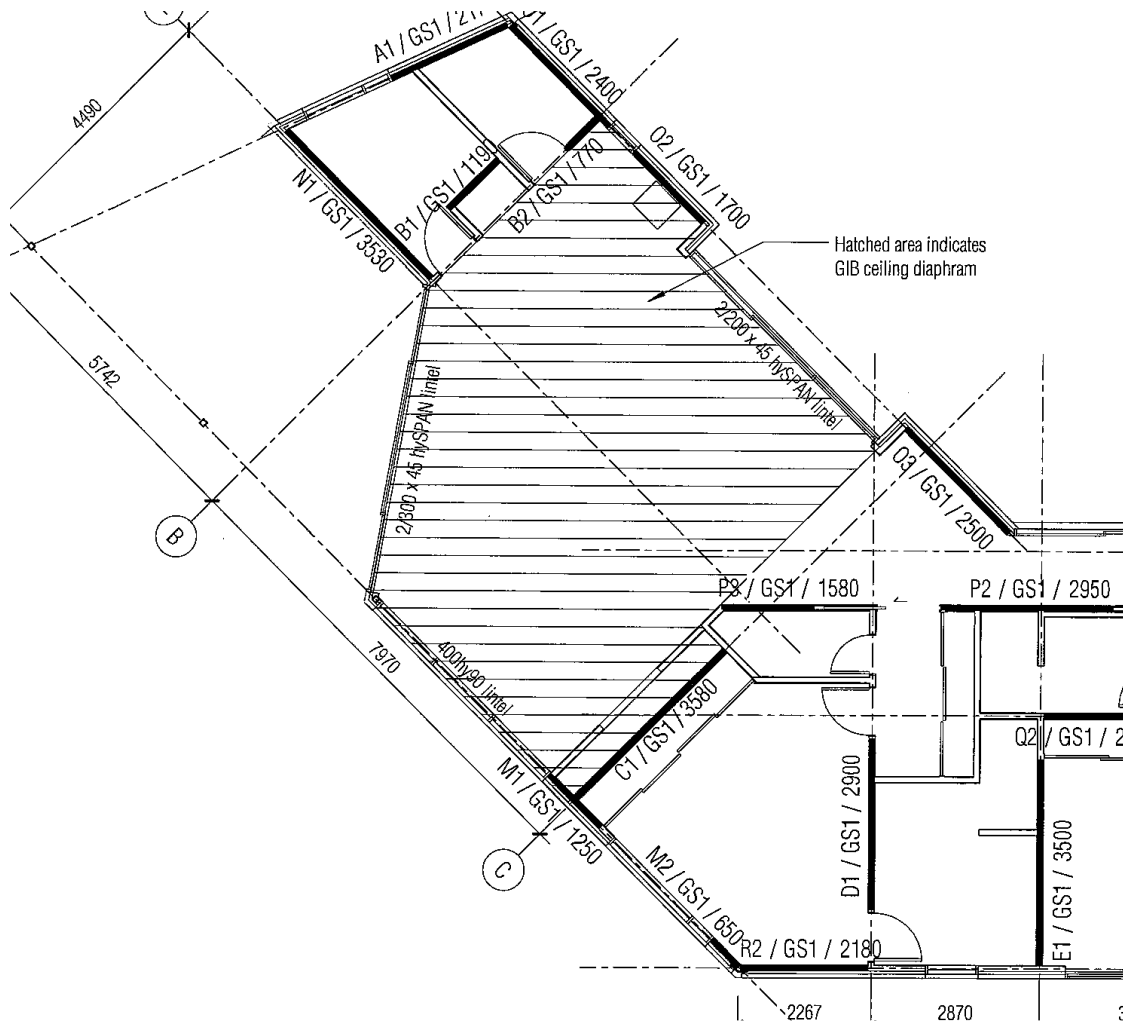
There are four houses which share the same very steep and narrow driveway. From the first pack of frames and throughout the job we had to be in communication with deliveries and neighbours to manage the sharing of the driveway.

Due to the nature of the river bank soil, 6m timber driven piles were required to find a solid base, on top of which a Ribraft foundation was laid. Extra piles were driven for the deck areas. There were also two control joints placed to allow for movement.

Since the slab and concreting was done by contractors we started by checking the pad with a laser level. We noted where the high and low points were on the concrete pad and later planed and packed our frames. This was to ensure a straight ceiling. Setting out the frames was a good challenge due to the angled shape of the house. The concrete had been tinted for a grind and polish finish so extra care was taken during framing to ensure the concrete was not damaged. Once the frames were stood, we lay 'ram board' to further protect the concrete surface. The house also had underfloor heating throughout so we made sure we communicated that in our induction for subtrades to ensure no pipes were penetrated.

With the frames up, we looked at the bracing plan and were concerned to find that there were no ply braces specified, only GS1 and BL1 areas. We chose to treat the external bracing elements as GSP/BLP (add ply brace to the outside, opposite to where a Gib EzyBrace would be installed later) – this took away the chance of movement between the temporary braces being removed and the Gib linings being installed.





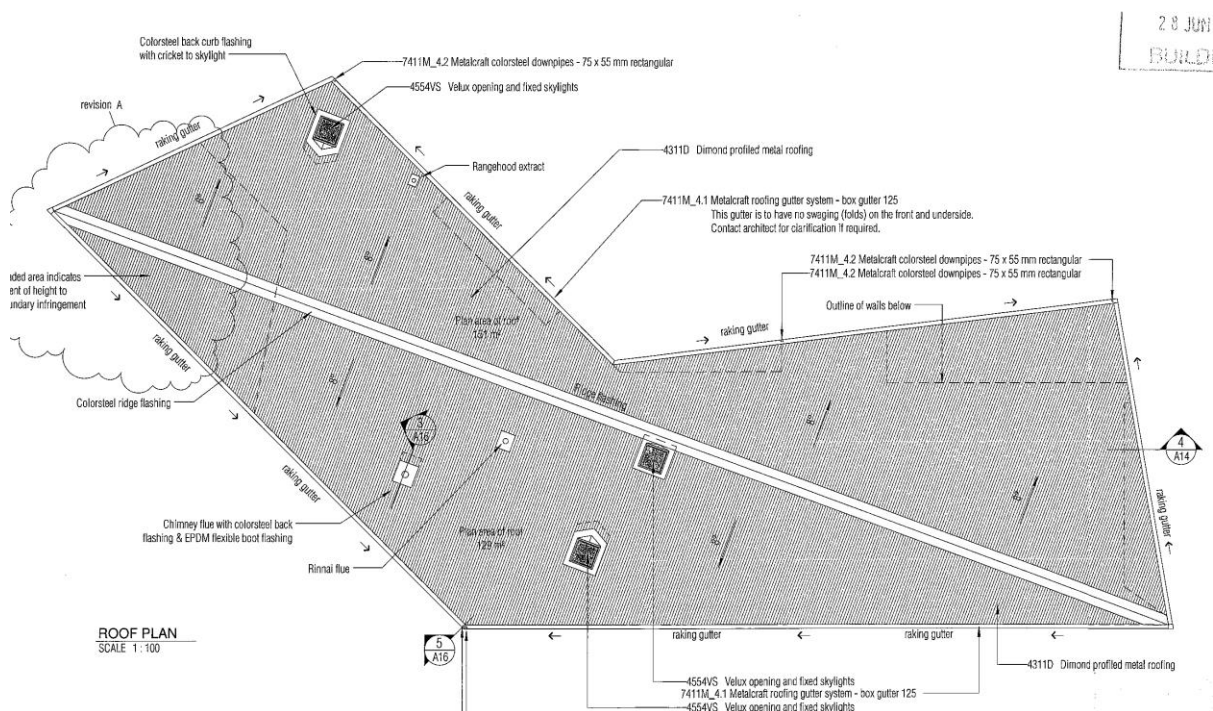
*We chose to treat the external bracing elements as either GSP/BLP (add ply brace to the outside) – this took away the chance of movement between the temporary braces being removed and the Gib linings being installed.*

Since the exterior gables were clad with brick above the windows, the engineer specified 6 of the prefabricated beams to be 150 PFC steel beams. This would help carry the weight of the cladding. This was a good challenge and required us to study the plans and make the appropriate checkouts for cleats, the engineered bolts, and apply DPC to separate the timber/steel contact. Once these were all in place, we packed them to height using the laser level and fixed them using the appropriate M16 bolts and washers.



*PFC fixed with M16 engineer bolts*

Next came the trusses. The truss plan was very unique – despite the angles of the exterior walls, there were no hips and none of the trusses were square to the exterior walls. Instead there is a single ridgeline running from opposite points of the house. Because of this detail and the low 8° roof pitch, you can sight one whole plane of the roof from the driveway. We had to be very thorough planing and packing our purlin to ensure an aesthetically pleasing roof plane.



*One single ridgeline from opposite points of the house*



photo courtesy of - Urban Homes - [www.urban.co.nz](http://www.urban.co.nz)

*We had to be very thorough planing and packing our purlin to ensure an aesthetically pleasing roof plane.*

After fully concealing the house with thermakraft wrap and plastic wrap (temporary until the brick layers begun) we prepared the exterior openings using the WANZ window installation system. It was my responsibility to install the exterior joinery. This required more attention to detail than usual because of 3 factors – lintel height, position, and the rebated jams. The client chose rebated joinery to eliminate the step when walking from the house onto the decks. Therefore, the rebated jam needed to be nice and flush with the ground concrete floor. However, the height also had to be consistent at the top of the joinery to allow for one consistent mortar line right around the whole building. We set up the laser level and found our average polished concrete floor height and set all the windows to this same height, whilst also positioning them in their opening to work in with the brick cladding. This was a good challenge in which I discussed regularly with my foreman. I am very proud of the result.

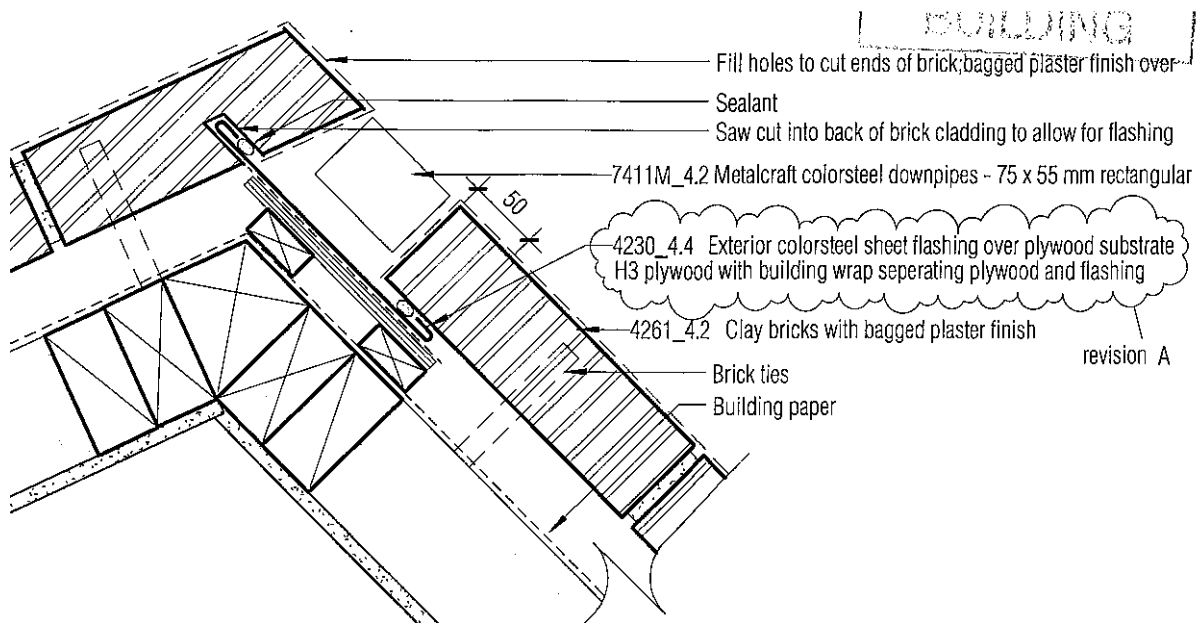


photo courtesy of - Urban Homes - [www.urban.co.nz](http://www.urban.co.nz)

*Joinery lasered to height to achieve one continuous mortar line*

The whole house is clad with brick which has now been bagged with 2 coats of plaster. Although the brick laying was contracted out, we did have to set up the flashings for the

downpipes. The architect specified 75x55 rectangular downpipes which would sit in a recess flush with the brick to match the box gutter (see diagram below). This was an area in which my foreman and I had to return to the plans because it was a detail we had never seen before. At each downpipe location, we fixed 20mm plywood onto cavity battens and papered before fixing a coloursteel flashing lined with inseal foam tape that either was compressed by the bricks or slotted into a chase in the bricks at an external corner.



*Coloursteel flashing lined with inseal foam tape that either was compressed by the bricks or slotted into a chase in the bricks at an external corner*

One big learning curve was that when autumn brought the severe rain, plastic wrap was not enough to keep the water out of the building – since we were gibbing it caused delays and meant we had to put in temporary flashings to ensure the insulation and linings stayed dry. We have discussed this with the project manager and decided in future that modern designs with no eaves we will not be lined until the cladding is completed.

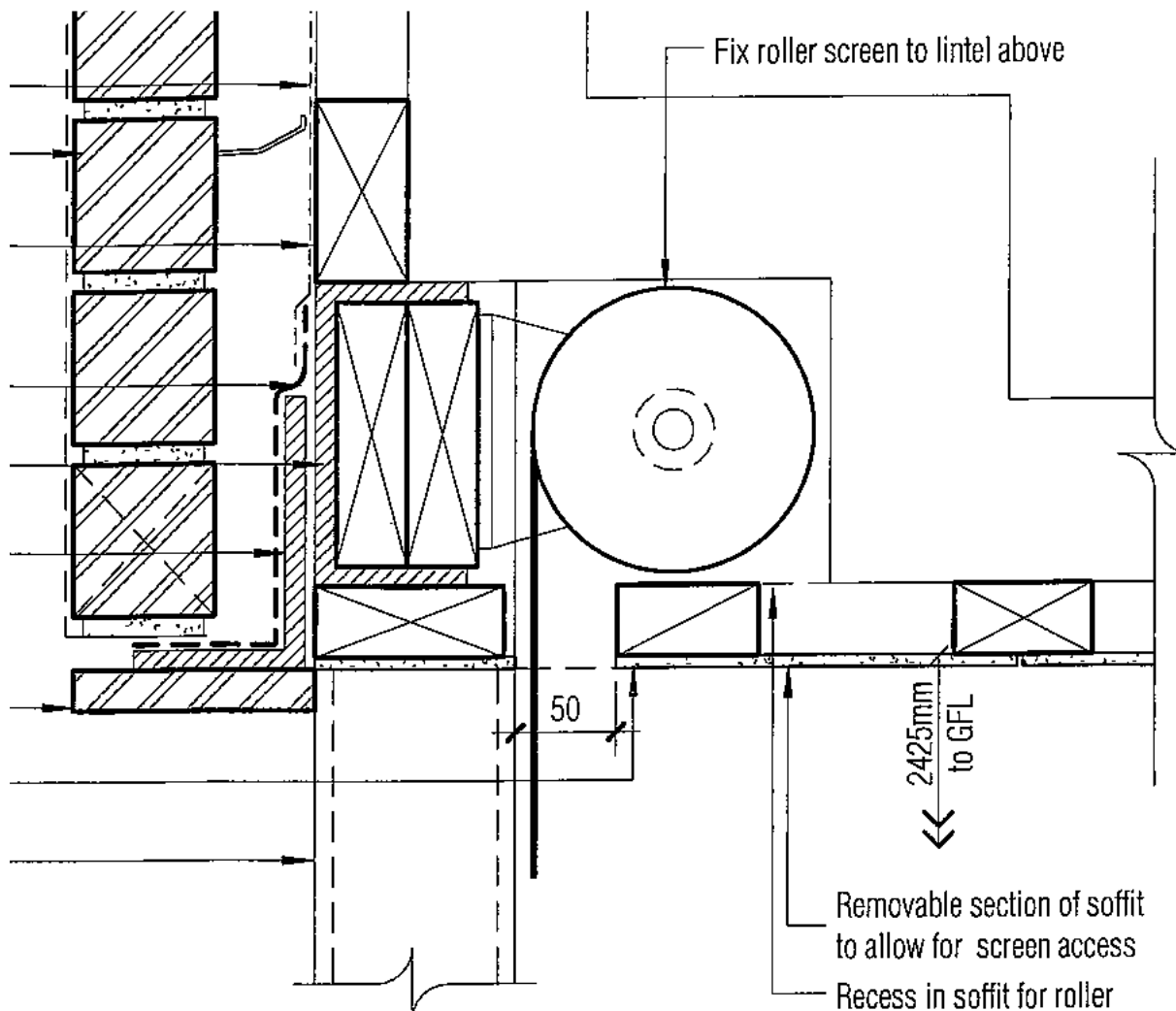
The finishing was a very rewarding stage of the build. We needed to get the interior joinery and finishing lines hard down to the polished concrete to avoid filling and achieve a crisp paint finish. I was set the task of fitting off all interior joinery. This meant trimming jams to match the level of the slab whilst also achieving a consistent door head height. Since the skirting was 90mm it would not bend easily to match the ups and downs of the polished concrete. Hence we also had to scribe our skirting to match. This pushed us for time, but where we took a little extra care to get things right it paid off in the quality of the finish.

One more detail that was new to me was having the curtains hung on tracks recessed into the ceiling gib. Fortunately, my foreman noticed this detail would ruin our ceiling diaphragm. In response, we noggged a new perimeter before we gibed to allow the ceiling diaphragm to be screwed off inside the tracks and remain effective.

Next came the decking. I measured up the quantities for the subfloor components and helped set out our framing. This was another part of the build where the laser level was used daily.

We had to ensure the height of the deck would not only be consistent, but also work in with our rebated joinery so there was little to no step between the interior and exterior FFL's. We lay garapa decking (Peruvian hardwood) with an exterior picture frame border which compliments the modern colour scheme and brings warmth to the outdoor living spaces.

Lastly we had the challenge of finishing the soffit off in the outdoor living area. The soffit detail was 6mm hardiesoffit sheets with a 10mm negative detail at each join. It had been left unfinished to allow the weather screens to be fitted off in the channel we had framed up earlier. My foreman lead this part of the job and I assisted him in fitting piano hinges and service doors for the rollers so that they were hidden and the screens could drop seamlessly from a small slot in the soffit.







*Garapa Decking. Notice also the slots for the weather screen. (Heater yet to be installed in soffit recess)*

I chose this project because I carried a higher level of responsibility. Much of what I lead on this build has not been recorded above, as it is common build practices. I taught two new apprentices our systems and standards during this time while also advising my foreman of Urban's systems (he was new to the company). The aspects of the build, which I referred to earlier in this report, I predominately worked under my foreman's lead. However, I wrote about them because it shows how much I have learned from this project alone. New details are best approached collaboratively, especially when your foreman has 12 years' experience in the trade.

The Barker residence is currently being landscaped and my project manager is looking over everything with a magnifying glass, keeping the painters true. I love the way the rustic, modern design works with the serene riverbank setting. The cabinetry and kitchen have been made from recycled timber (Rimu, Totara & Matai from the client's old farm shed) to create history and significance for the owners. It has been a great challenge; the clients are excited about moving in and my team and I are immensely proud of the finished product.



*Rustic finish with modern 'no eve' design.*