# **AINSWORTH HERITAGE**



# Statement of Heritage Impact

**Residential Lots:** 

Currajong Street, Evans Head NSW

April 2019

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#### 1.1 Preamble

This Statement of Heritage Impact (SOHI) was commissioned by L J Hooker Evans Head on behalf of a group of residential landowners to investigate the potential impact of their proposed 15 residential dwellings upon the heritage significance of Evans Head Memorial Aerodrome. The SOHI forms the supporting documentation for a Section 60 permit application by LJ Hooker for the subdivision.

The 15 residential lots are located along Currajong Street within the southernmost area of the heritage listed aerodrome. This area is not an operational part of the aerodrome however it is within the curtilage defined for the site's listing on the NSW State Heritage Register. Under Section 60 of the *NSW Heritage Act (1977)*, an application to the Heritage Council is required for approval of various works to items listed on the NSW State Heritage Register.

Richmond Valley Council, the aerodrome owner, has sold the non-operational southern portion of the aerodrome – the bulk of this portion has been sold for a retirement village development, with 20 residential along Currajong Street sold as individual residential lots.

This SOHI has been prepared to accompany a Section 60 application for the construction of residential houses on 15 of those residential lots (Lots 2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 17, 18, 19 and 20.).

#### 1.1 Aims

The aim of the Impact Statement are:

- To ensure that the residential landowners meet their statutory obligations under the *Richmond Valley Council Local Environmental Plan* and the *NSW Heritage Act*;
- To minimise the impact of the project on the overall heritage significance of Evans Head Memorial Aerodrome;
- To outline policies and recommendations for the protection and management of the aerodrome's heritage value.

The report will assess and review the history and significance of the Evans Head Memorial Aerodrome, describe the proposed residential homes, assess their impact on the aerodrome's heritage significance and develop appropriate mitigation measures if necessary.

## 1.2 Methodology

This report was prepared in accordance with the guidelines of the *Burra Charter of Australia ICOMOS*,<sup>1</sup> and the methodology outlined in the NSW Heritage Branch document *Statements of Heritage Impact*.<sup>2</sup>

To achieve its aims, this SOHI will undertake and prepare:

o Background Review

A very brief review of the site's significance and history.

o Physical Description

A description of the residential allotments and their relationship with the operational area of the aerodrome. .

• Significance Assessment

The aerodrome's significance will be outlined.

o Statutory Context

The site's statutory provisions as they relate to heritage will be identified.

Proposed Development

The proposed designs for each of the residential allotments will be outlined.

o Impact Assessment

The impact of the proposed residential allotments on the site's heritage significance will be assessed.

o Recommendations

If necessary, mitigative measures will be recommended.

#### 1.3 Site Location and Curtilage

The 15 allotments are located on northern side of Currajong Street at Evans Head on the far north coast of NSW.

<sup>&</sup>lt;sup>1</sup> Australia ICOMOS. 1999. *The Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance.* Australia ICOMOS Inc, Burwood, Victoria.

<sup>&</sup>lt;sup>2</sup> NSW Heritage Office and the Department of Urban Affairs and Planning. 1996. *Statements of Heritage Impact*. <u>NSW Heritage Manual</u>.

Evans Head is located on the Far North Coast of New South Wales, approximately 35kms by road south of the Ballina CBD (see Figure 1.1).

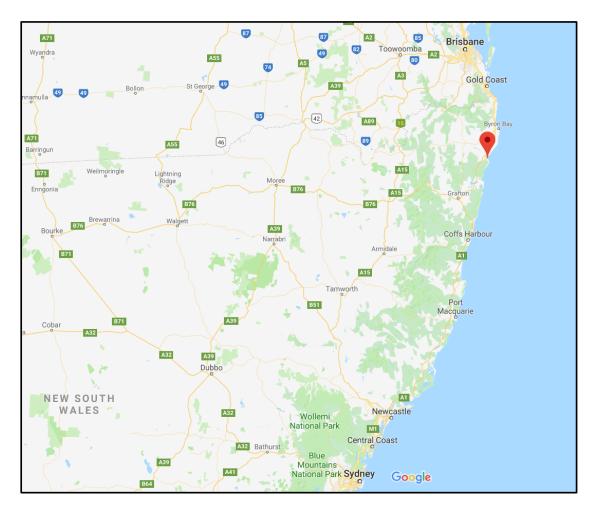


Figure 1.1: The location of Evans Head within NSW (image courtesy of Google).

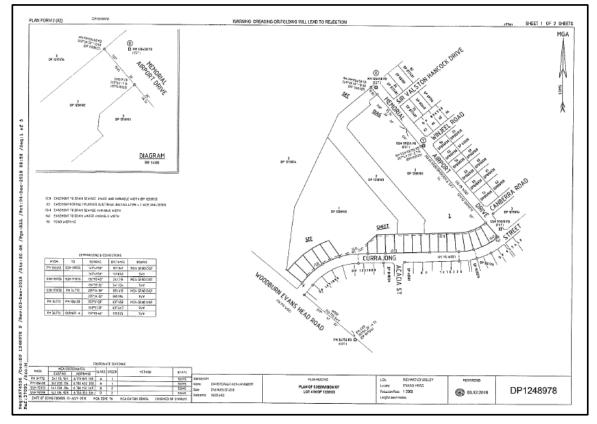
The residential allotments are within the southernmost part of Evans Head Memorial Aerodrome, which comprises approximately 190 hectares. The allotments comprise an extremely small portion of the southernmost portion of the aerodrome. Figure 1.2 illustrates the curtilage of the heritage listed aerodrome and the area of residential allotments.



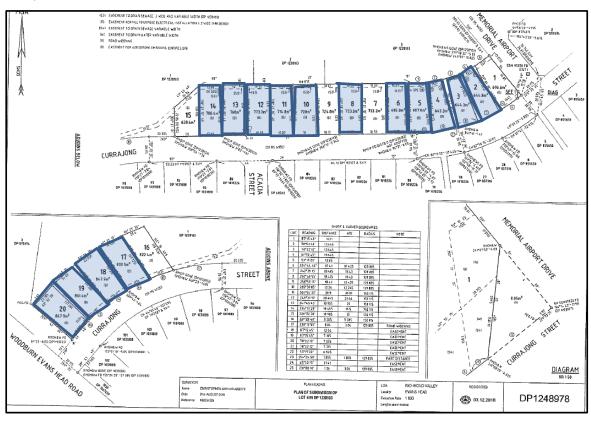


**Figure 1.2:** Area of residential allotments (shaded blue) within the aerodrome (curtilage indicated by the red line). The area shaded yellow is the non-operational area of the aerodrome. It has been sold by Richmond Valley Council and the subdivision for residential housing was approved in 2018.

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**Figure 1.3:** Overall allotment plan in relation to Currajong Street (plan supplied by L J Hooker Evans Head).



**Figure 1.4:** Lot plan. The lots covered by this SOHI are shaded blue (plan supplied by L J Hooker Evans Head.)

## 1.4 Scope and Limitations

The scope of this SOHI is to determine the impact, if any, of the proposed construction of residential houses within the southernmost portion of the aerodrome along Currajong Street.

This SOHI related only to lots: 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 17, 18, 19 and 20.

No ground disturbing archaeological work was carried out during this assessment. This SOHI does not include an Indigenous Heritage Assessment.

## 1.5 Author Identification

This SOHI was prepared by Jane Alexander.

## 1.6 Acknowledgements

The following individuals and groups were of assistance in compiling this report:

- L J Hooker Evans Head ; and
- Richmond Valley Council.

## 2 Historical Background

This section provides a brief historical background to Evans Head Memorial Aerodrome. The Post European History largely relies on the historical analysis contained in the *Evans Head Memorial Aerodrome Archaeological Management Plan.*<sup>3</sup> The description and history are outlines only – they are intended to provide a framework for the impact assessment. For more detailed information, please refer directly to the Archaeological Management Plan.

#### 2.1 Pre World War II History

The original airfield at Evans Head was constructed in July and August 1936 as an Emergency Landing Ground (ELG) for Woodburn Shire Council. However on 1 April 1937, the Commonwealth resumed the land from Woodburn Shire Council for 'defence purposes'.<sup>4</sup> The RAAF carried out minor works to the site from 1939-1940 culminating in an extension to the site in 1940 by sixty acres. The RAAF officially took control of the site on 22 January 1941.

#### 2.2 Selection and Establishment of No 1 BAGS

No 1 BAGS was the first Bombing and Gunnery School to be established in Australia under the Empire Air Training Scheme (EATS). The purpose of the school was to train Air Observers, Bomb Aimers and Air Gunners in the theory and practice of bombing and air-toair gunnery.<sup>5</sup> Enough land was needed to establish an airfield, aerodrome and camp area, officer's accommodation and isolated bombing and gunnery ranges. Sir Valston Hancock, Director of Works and Buildings for the RAAF in 1939 and the initial inspector of Evans Head as a potential location for No 1 BAGS, described the land at Evans Head as *'one of the most natural bombing and air firing ranges in the world.*<sup>76</sup>

<sup>&</sup>lt;sup>3</sup> Ainsworth Heritage. 2006. *Evans Head Memorial Aerodrome Archaeological Management Plan.* Unpublished report prepared for Richmond Valley Council.

<sup>&</sup>lt;sup>4</sup> Map of the Parish of Riley, County of Richmond, 1938. NSW Department of Lands Parish Map Preservation Project. http://www.lands.nsw.gov.au/survey\_mapping/parish\_maps.

<sup>&</sup>lt;sup>5</sup> Haughton-James, J. et.al. *Ibid.* p.14.

<sup>&</sup>lt;sup>6</sup> Hancock, V. 1990. Challenge. Access Press, Northbridge, WA, p.64.

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Construction of the base was rapid; it was ready to accept its first trainees seven months after its construction was authorised. The construction of No 1 BAGS included the extension of the aerodrome in 1939 with the acquisition of an additional 600 acres; extensive engineering works were required to establish roads, bridges, culverts, drainage and water supply and large gravel areas for aircraft use; and power was supplied from Ballina and water from a number of bores which were drilled to a depth of 20 - 50 feet.<sup>7</sup>



**Figure 2.1**: Evans Head Memorial Aerodrome, photograph of early construction, 1939 (Source: Haughton, James J. et.al. 2004. *Wings at War: RAAF at Evans Head 1939-1945.* Evans Head Living Museum and Community Technology Centre, Evans Head, p.7).

By the wars end, the aerodrome contained an area of approximately 27,000 acres of land,

broken down as follows:<sup>8</sup>

- Aerodrome and Camp: 344 acres of Commonwealth owned land (a small portion of this land is now the state heritage listed aerodrome);
- Explosives Area: 243 acres of Commonwealth owned land;
- North and South Bombing Ranges: c.26, 413 acres of which 105 acres was Commonwealth owned land and the remainder was State Crown Land secured under provisions of National Security.

An immense complex of more than three hundred buildings was constructed to house the

various requirements of the training schools, including :

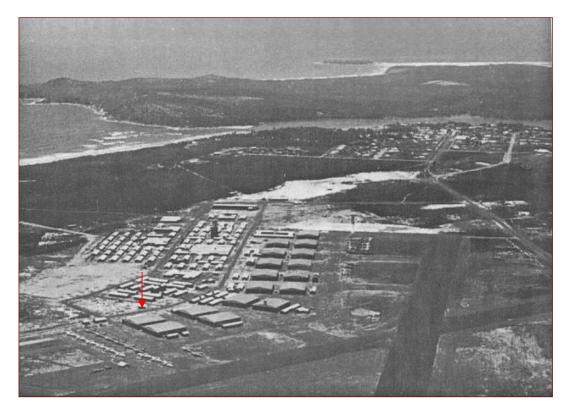
- Hangars and workshops;
- Lecture rooms, teachers rooms, instruction rooms, crew rooms and a library;
- Accommodation huts, messes and a meat house;

<sup>&</sup>lt;sup>7</sup> Haughton-James, *op.cit.*, p.6-7.

<sup>&</sup>lt;sup>8</sup> NAA; A705, 171/106/114 Part 1. 1945 – 1949. DWB – Property – Evans Head NSW – Bombing Ranges and Aerodrome Extensions – Disposal of Surplus Assets.

- Water tower, oil shed, pump sheds, petrol storage facilities and a boiler house;
- HQ offices, guard rooms, crew rooms, administration offices and flight offices;
- Observation towers;
- Latrines, ablutions buildings and laundries;
- Coppers Shop, blacksmith, boot makers shop and a carpenters store;
- Bomb stores, armaments huts and stores;
- Recreation grounds, rugby pitch, sports oval, tennis area, car parks, gymnasium, and a cinema;
- Parade Ground;
- Post office, dentist, canteen, bulk store and a hairdresser; and
- Hospital and mortuary.

Less than 5 of these buildings still remain.



**Figure 2.2:** Evans Head Memorial Aerodrome aerial photograph RAAF 1943, looking south-east across the aerodrome and camp areas. The only surviving Bellman Hangar on site today is indicated by the red arrow (Source: Haughton, James J. *op.cit.*, p. 66).





**Figure 2.3:** Evans Head Memorial Aerodrome, World War II aerial photograph looking north. The surviving Bellman hangar is indicated by the red arrow (Source: Haughton, James J. *Ibid.*, p. 5).

#### 2.3 Operation of the Aerodrome

The primary purpose of the Bombing and Gunnery School was to train Air Observers, Bomb Aimers and Air Gunners in the theory and practice of bombing and air-to-air gunnery. The war required fast tracked raining - each course lasting an intensive 4 weeks only, in which time the trainees needed to be completely schooled in bombing and air gunnery practices before they went on to other flight schools for further training.

The EATS scheme was too successful - by March 1943, the British Air Ministry had an oversupply of aircrew. Consequently, in December 1943, No 1 BAGS was disbanded and the No 1 Air Observers School (AOS) was relocated from Cootamundra to Evans Head Aerodrome with 1,496 personnel and trainees.

The AOS was established to train Navigators, Bomb Aimers, Gunners and Air Observers. The AOS trained over 630 personnel during its operation, using Ryan, Tiger Moth, Wackett and Anson aircraft. The school was disbanded on VP (Victory in the Pacific) day, 15 August 1945.

#### 2.4 Decommissioning of the RAAF Aerodrome

In 1945, the AOS was disbanded and the Care and Maintenance Unit was established at the aerodrome. The unit was responsible for the management of the site and the air fleet and in the two years between 1945 and 1947, most of the aircraft were moved offsite and the destruction (or dismantling and transfer) of the RAAF buildings commenced in earnest. At the same time, the responsibility of the aerodrome was passed to the Department of Civil Aviation, ending approximately 10 years of RAAF use and occupation.

By 1947, there were very few aircraft left at the aerodrome and throughout the late 1940s most of the aerodrome buildings were dismantled and destroyed, or transferred to other locations.

#### 2.5 The Aerodrome's Decline

From 1947, the aerodrome was used by Butler Air Transport for commercial aviation activities and in 1952, the Department of Defence handed over the aerodrome to the Department of Transport. Commercial activities ceased in the mid 1950s, when the

aerodrome was closed to commercial flights and its commercial aviation activities were transferred to Casino.

By 1955, only three of the 17 Bellman Hangars remained. One of these Hangars was transferred to Coffs Harbour was later transferred back to Evans Head and has been used as a Council Works Depot on the southern portion of the site. Huts were removed by sawing them into sections for removal on trucks or log sleds. The Bellman hangers were dismantled and also removed on trucks.

Since the mid-1950s, Evans Head Memorial Aerodrome has been used for several purposes including an ELG, aircraft storage facility, ordnance depot and as a staging base for supplies during floods. On 9 February 1954, Her Majesty, Queen Elizabeth II and His Royal Highness, the Duke of Edinburgh flew into Evans Head during their visit to the North Coast.

Much of the aerodrome land to the south has been redeveloped for residential areas and that in the south-east for an industrial estate. In 1985, the main runway (runway 18/36) was lengthened to the north-east while the aerodrome was being temporarily used by Fokker Friendship Services whilst the facilities at Casino were being upgraded.

#### 2.6 Recent History of the Aerodrome

Development highlights of the last 50 odd years include:

- 1985 Temporary use of the site by Fokker Friendship Services whilst the main regional aircraft facilities at Casino were being upgraded. Use included extension of the main runway (18/36) to the north-east;
- 1992 Richmond River Shire Council take over the aerodrome from the Department of Transport and downgrade the flying status of the facility;
- 1980s construction of a large drainage canal along the western perimeter of the subject site;
- Late 1990s a large section of land south of the aerodrome (formerly part of the aerodrome) approved for subdivision and the provision of housing; and
- Late 1990s Industrial estate established to the east of the council depot.

The aerodrome remained the property of the Department of Transport until 1992, when ownership was passed to Richmond River Shire Council. Council, in line with a Deed of Agreement for the site, subsequently downgraded the flying status of the aerodrome although it is still used by several types of aircraft for recreational aviation and as an ELG. In particular, Evans Head Memorial Aerodrome has been used for the Great Eastern Fly-In; an

annual event for recreational aviators from around Australia. The aerodrome is also the focus for war commemorative events held in Evans Head.

In the late 1990s, a section of land comprising the extreme south portion of the aerodrome was subdivided and developed for residential housing.

In August 2000, the aerodrome was listed in the NSW State Heritage Register. The proponents were the very active Evans Head community who have deep attachments to the site. More than 3000 people signed a petition to save the wartime aerodrome by having it listed on the State Heritage Register. This strong community attachment continues today.

## 2.7 The Subject Site

After World War II, most of the buildings within the aerodrome were removed including all those within the subject site.

In the 1970s, a post-and-wire fence was erected across the site, operationally isolating the southernmost portion from the rest of the aerodrome and rendering the areas of runways within the subject site un-operational.

A Development Application for the remediation of the entire subject site was approved in January 2011, comprising remediation of contaminated hotspots and the removal of the top 100-200mm of topsoil across the site. The Department of Defence has funded some of the remediation work in acknowledgment of their role in the contamination of the site during the war.

The subject site allotments plus the entire southernmost portion of the aerodrome were sold by Richmond Valley Council recently and the Heritage Agreement in place for the management of the aerodrome was lifted for the this portion of the site, however it remains within the state heritage curtilage.

## 3.1 General Description of the Aerodrome

Evans Head Memorial Aerodrome currently comprises approximately 190 hectares of land on the northern side of the village of Evans Head, in Northern NSW. The aerodrome is bounded by Woodburn Road to the west, Currajong Street to the south, Broadwater Road to the east and the Evans Head Sewerage Treatment Plant and Broadwater National Park to the north.

Evans Head Memorial Aerodrome comprises a largely level area of land, with low grasslands surrounding the airfield and dense vegetation covering the remainder of the site. The vegetation comprises heath land with areas of Swamp Eucalypt forest.

The vast bulk of the Aerodrome comprises densely vegetated land. There is very little aerodrome infrastructure – what remains is largely confined to the southernmost third of the site. In this part of the site, the following main features are evident:

- Airport Memorial Drive which enters the site off Currajong Street and allows access into the Evans Head Industrial Estate (the latter cuts into the SHR listed site);
- Runway System this comprises four intersecting runways, two of which are tarmac and two of which are grassed, plus associated taxiways and hard surfaced areas;
- Three aircraft hangers including the original WWII Bellman Hangar and two smaller, modern hangars for light aircraft;
- Small Memorial Garden Area;
- Three World War II timber buildings including two Ablutions Buildings and one former Canteen Building;
- World War II Machine-gun Pit; and
- Small areas containing archaeological features, such as WWI drainage, building footings etc.

#### 3.2 Description of the Subject Allotments

The subject allotments are adjacent to Currajong Street on its northern side. The southern side of Currajong Street comprises a residential area largely consisting of single story brick veneer houses with tiled roofs.

The majority of the subject site area consists of low grass and ground shrub interspersed with areas of open sand.



**Figure 3.1:** The yellow line encloses the un-operational area of the aerodrome, which is separated from the rest of the site with a fence. The areas shaded blue is the area of approved residential allotment subdivision, opposite further residential areas on the southern side of Currajong Street.



**Figure 3.2:** The existing fence separating the operational aerodrome (right) with the buffer land next to the residential subdivision.



**Figure 3.3:** Looking into the buffer land from the operational aerodrome – the subject lots are in the far distance of the image.







**Figure 3.4:** Existing residential development on Currajong Street, opposite the residential allotments.

**Figure 3.5:** Existing residential development on Currajong Street, opposite the residential allotments.

The existing residential area on the opposite side of Currajong Street comprises modern, brick and tile homes with their rear elevations to Currajong Street. These houses are a mix of single and double-storey houses and their rear yards are all fenced with a mixture of Colorbond, brick and timber materials. There are some stands of street trees on the residential side shield some houses, particularly at the western end of the street.

#### 3.3 Historic Fabric

Within the subject site there is no historic fabric relating to the World War II era.

A DA for the remediation of this area was approved in January 2011, which involved the removal of the contaminated hotspots (including the runways, taxiways and drains) and the removal of 100-200mm of soil.

#### 4.1 Significance of the Aerodrome

The approved residential allotments are located within the boundary of the state heritage listed Evans Head Memorial Aerodrome. This section outlines its heritage significance.

The Aerodrome has been assessed many times for its heritage significance. The Aerodrome's Plan of Management (2009) contains a comprehensive Statement of Significance for the overall aerodrome, which is reproduced below.

The Evans Head Memorial Aerodrome has historical and social significance. The aerodrome was one of the largest bases established under the Empire Air Training Scheme (EATS), and one of the largest operational RAAF bases in Australia during the World War II. The claim that it was the largest EATS training base in the Southern Hemisphere during World War II has not been confirmed. The scale of the base's operations is demonstrated by the four surviving runways and associated taxiways and tarred hangar aprons. The operations of the No 1 Bombing and Gunnery School (BAGS) and the No. 1 Air Observers School (AOS) played an important role in Australia's contribution of air crews to, initially, Britain's war effort, then to Australia's role in the Pacific war and home defence. The base also played a direct home defence role in providing local maritime surveillance and coastal defence.

The site contains one original Bellman Hangar of 17 originally built at Evans Head. The Bellman hangar, a British design, was introduced by Sir Valston Hancock, Director of Works, who later became the first commanding officer for the base, and modified for Australian conditions and manufactured in prefabricated sections by BHP. The surviving Bellman hangar is a good example of an innovative approach to wartime needs, and was one of the first erected and is one of a few intact and in situ examples in Australia.<sup>9</sup>

The Evans Head Memorial Aerodrome was used after the war as a regional commercial aerodrome, and subsequently as a recreational aerodrome, a use that

<sup>&</sup>lt;sup>9</sup> The Statement that the Bellman Hangar is one of the few intact and in situ examples remaining in Australia has been proven not to be correct. The Conservation Management Plan prepared for the Bellman Hangar in 2007 (Amended 2009 and endorsed by the Heritage Branch on 12 August 2009) undertook a detailed Comparative Analysis and determined that surviving Bellman Hangars both in NSW and in Australia are not rare, with at least 127 surviving in Australia of which at least 64 survive in NSW.

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continues today. The continued association of the place with aviation activities is an integral part of its significance, and is a use that greatly enhances the recognition and understanding of its historical associations.

The site has social significance for the many ex RAAF and WAAAF service-men and women who were associated with the aerodrome, civilian workers, local families and friends of people who served there and died during WWII. The site is used for ANZAC Day celebrations, and occasional reunions and celebrators events for those associated with the place's history. It is also significant to the people of the North Coast region, the residents of Evans Head and visitors who attend activities or are tourists. Moreover it is significant to the people of Evans Head because of the central role it played in the development of the village during and after the war, and because of the military presence in and above the village, which continues on a daily basis in the use of the Southern Bombing Range. The aerodrome is a substantial landmark in Evans Head, from the ground and from the air.

The aerodrome has aesthetic significance because of its landmark qualities. Its sheer size as an open grassland area crossed by runways gives it a powerful sense of place when viewed from elevated viewpoints or the air, and its proximity to the Evans Head village and the coastline emphasise its strategic location and the scale of the RAAF Base during the war. It is one of the few remaining large coastal sites that retains some sense of wartime operations.

#### 4.2 Significance of the Subject Site

The subject site is part of the larger Evans Head Memorial Aerodrome. It has some historic, associative and social significance as part of the original World War II RAAF training base. However, the subject's site's significance has been eroded over the years by its physical annexation from the operational part of the aerodrome. There is very little historic fabric retained in the subject site – and what is there was greatly disturbed and reduced by the remediation works to the site on 2011. This contributed to the further erosion of its significance.

Whilst part of the original aerodrome, it does not directly contribute to the aerodrome's significance and retains no historic features relating to its World War II history.

## 5.1 Heritage Listings

The following heritage lists were searched for reference to Evans Head Memorial Aerodrome:

- World Heritage List;
- National Heritage List;
- Commonwealth Heritage List;
- Register of the National Estate (non-statutory);
- NSW State Heritage Register;
- Richmond Valley Council LEP Heritage Schedule;
- Royal Australian Institute of Architects (RAIA) 20<sup>th</sup> Century Register of Significant Buildings (non-statutory); and
- The Register of the NSW National Trust of Australia (non-statutory).

Evans Head Memorial Aerodrome is listed on the following heritage registers:

- o NSW State Heritage Register; and
- Listed on the Richmond Valley Council LEP 2010 Heritage Schedule.

#### 5.2 *NSW Heritage Act, 1977* Obligations

The Aerodrome is listed on the NSW State Heritage Register and its management has to comply with the legislative implications of a NSW State Heritage Register listing and its governing Heritage Act (the NSW Heritage Act, 1977).

The implications of listing on the State Heritage Register are as follows:

- The NSW Heritage Council becomes the joint consent authority with the local Council (RVC) for proposals which may affect the site's significance;
- If proposed works are likely to disturb an archaeological relic, an application for a Section 60 Excavation Permit will need to be made to the NSW Heritage Council; and
- An application under Section 60 of the Act must be made to the NSW Heritage Council for any works within the site or changes to the site's use (see below for more detail).

Specifically, the Heritage Act prescribes that approval from the NSW Heritage Council is required for the following types of works:

- Demolish the building or work;
- Damage or despoil the place, precinct or land, or any part of the place, precinct or land;
- Move, damage or destroy the relic or moveable object;
- Excavate any land for the purpose of exposing or moving the relic;
- Carry out any development in relation to the land on which the building, work or relic is situated, the land that comprises the place, or land within the precinct;
- Alter the building, work, relic or moveable object;
- Display any notice or advertisement on the place, building, work, relic, moveable object or land, or in the precinct; or
- Damage or destroy any tree or other vegetation on or remove any tree or other vegetation from the place, precinct or land.

The proposed construction of dwellings on the residential allotments fall under the category of "Carry out any development in relation to the land".

As such, the proposed Development triggers the need for NSW Heritage Council Approval,

via Section 60 Application accompanied by a Statement of Heritage Impact.

## 5.3 Land Covenants

All of the lots have positive covenants on their land to ensure that the adaptation of the this land for residential purposes does not in any way impede the current or future operation of the aerodrome.

Specifically, the covenant (full document attached as Appendix A) states that:

# 3 Terms of Positive Covenant Thirdly referred to in the abovementioned Plan

Any application for a construction certificate for a dwelling on the subject Lot must address and provide for in that application the following acoustic measures:

(1) Acoustic wall and ceiling insulation

(2) Air-tight door and window seals.

The servient tenement will keep and maintain these items in good condition and in a proper state of repair to the satisfaction of Richmond Valley Council.

#### 4 Terms of Easement for Aerodrome Emissions Fourthly referred to in the above mentioned Plan

Full and free right for every person who is at any time entitled to an estate or interest in possession in the land herein indicated as the dominant tenement or any part thereof with which the right shall be capable of enjoyment, and every person authorised by that person, from time to time and at all times to continue to operate the Evans Head memorial aerodrome and to emit noise and vibration in accordance with the conditions of any planning permit, licence or approval governing the operational parameters of the aerodrome across, above and through the land herein indicated as the servient tenement.

The owner of the lot burdened must not make, issue or commence (or allow to be made, issued or commenced on their behalf) any:

- a) Complaint or objection to any authority; or
- b) Claim,

in relation to any noise or vibration emitted from the land herein indicated as the dominant tenement in so far as the aerodrome is operating in accordance with any planning permit, licence or approval governing the operational parameters thereof.

#### 6.1 Preamble

This section outlines the scope of the proposed development at Evans Head Memorial Aerodrome. It also discusses the purpose and need of the works.

#### 6.2 General Description of Works

Development consent is sought to construct residential houses and associated landscaping on 15 of the 20 residential lots along Currajong Street. The residential subdivision was approved in 2018 – consent is now sought for construction of the dwellings.

#### 6.3 Scope of Works

Each of the 15 residential lot owners has supplied Ainsworth Heritage with the designs for their residential dwelling (see Appendix B – Complete Set Residential Lot Dwelling Designs). The designs are summarised on the following table:

Lot #	Built form square meterage	# storeys	External Wall Material	Roof Material	Roof Pitch	Acoustic Treatment proposed in designs	Additional built features
2	493.82m²	2 x 2-storey townhouse	Horizontal timber cladding	Corrugated roof sheeting	Approx 20%	None submitted	2 x pools
3	230m²	Single storey	Brick veneer	Colourbond	Approx 20%	None submitted	N/A
4	283.4m²	Single storey	Rendered brick	Tiled roof	Approx 20%	None submitted	N/A
5	270.18m²	Single storey	Rendered brick	Tile	25%	None submitted	Pool and shed
6	265m²	Single storey	Rendered brick	Colourbond	20%	None submitted	Pool and Shed
8	353.7m²	Single storey	Rendered brick walls	Colourbond roof sheeting	Approx 20%	None submitted	N/A
10	226.65m <sup>2</sup>	Single storey	Face brick with feature cladding to front elevation	Tiled roof	25%	None submitted	N/A
11	264m²	Single storey	Face brick work	Concrete tiles	Approx 20%	None submitted	Swimming pool

Lot #	Built form square meterage	# storeys	External Wall Material	Roof Material	Roof Pitch	Acoustic Treatment proposed in designs	Additional built features
12	288m²	Single storey	Brick	Colourbond	20%	None submitted	N/A
13	208.79m²	Single storey	Face brick work	Sheet metal	20%	None submitted	N/A
14	312m²	Single storey	Rendered brick	Colourbond	Detail not supplied	None submitted	N/A
17	335m²	Single storey	Brick	Tiled roof	Detail not supplied	None submitted	N/A
18	414.56m²	Single storey	Face brick with double brick stone feature wall to front elevation; side and rear elevations clad horizontally and vertically	Colourbond	5%	None submitted	N/A
19	412.82m <sup>2</sup>	Single storey	Face brick with double brick stone feature wall to front elevation; side and rear elevations clad horizontally and vertically	Colourbond	5%	None submitted	N/A
20	502.32m <sup>2</sup>	Double storey	Rendered brick	Colourbond	3%	None submitted	2 x pools

#### 6.4 Response of the Design to Surrounding Area

The designs of the residential lots represent typical suburban style and finishes similar to those in the residential area directly opposite the site. The operational area of the aerodrome is buffered visually and physically by a large area of non-operational land between the approved residential subdivision and the operational aerodrome.

## 6.5 Additional Acoustic Treatments

The proposed development is located outside of the 20 ANEF Contour for the Aerodrome, which means that, in accordance with the Australian Standard (AS 2021-2000: Acoustics -

Aircraft noise intrusion - Building siting and construction), *no additional noise control treatments to the buildings are required*. Notwithstanding, a legal covenant has been placed on the subdivision of these blocks which requires Richmond Valley Council to issue a Construction Certificate only if each residence has:

- Acoustic wall (exterior walls only) and ceiling treatment; and
- Airtight door (external doors only) and window seals.

This section of the report assesses the impact of the construction of the residences on the approved subdivided lots at Currajong Street.

# 7.1 Assessment of Impact Against Significance

Aspect of Significance	NSW Heritage Register citation	Potential Impact of Works on Significance
Historic	The item is historically significant because of its role as No 1 Bombing and Gunnery School (BAGS) for the Empire Air Training Scheme (EATS) which was an enormous Commonwealth undertaking to train air crew and personnel to assist the allies in World War II. It was also the home to over 5000 RAAF personnel who trained there during WW II for active service in Australia and overseas. More than a 1000 of these lost their lives during training and in active service overseas.	The residential subdivision is already approved and the construction of houses on the residential allotments will not erode the significance or impact on the historical significance of the aerodrome.
Associative	The item is historically significant because of its association with Sir Valston Hancock and was the site of 17 Bellman Hangars (only one remains in its original location). The hangars were designed and built under the guidance of Sir Valston Hancock, Director of Works for the RAAF at the time. He subsequently became its commanding officer. The item also has associations with the USAAF whose personnel trained and served with Australian RAAF personnel. A number of B-25 bombers landed or crash-landed near Evans Head.	The residential subdivision is already approved and the construction of houses on the residential allotments will not erode the significance or impact on the associative significance of the aerodrome. No impact
Social	The item is socially significant because the aerodrome is of great importance to surviving Australian RAAF personnel that served at Evans Head and is a legacy to their families and to the personnel of other countries who were trained or based at Evans Head, including those from the UK, Holland, the USA and Canada. The aerodrome is a significant landmark from WWII and has strong connections to the people of Evans Head, to the people of the north coast region, and to the other major surviving aerodromes and associates sites in NSW.	The residential subdivision is already approved and the construction of houses on the residential allotments will not erode the social significance of the aerodrome. The approved subdivision is located in an inoperative area of the aerodrome well away from areas used for commemoration.

Aspect of Significance	NSW Heritage Register citation	Potential Impact of Works on Significance
	The associated sites and structures in Evans Head (refer to "Further Comments") are some of the more significant remaining landmarks from that era which visitors seek out during their visits to Evans Head and which are examples of the main features of buildings and sites that characterised the RAAF Base at the time.	No impact
	The presence of the RAAF during and after wartime largely contributed to the growth of the town with many of the personnel staying on within the village after the RAAF disbanded the bombing and gunnery school. The association of the aerodrome and the town form an important part of the village's cultural identity. (refer to The Evans Head Village Strategy Draft 2000).	
Aesthetic	The item is aesthetically significant because of the landmark qualities. Its sheer size gives it a powerful sense of place and its proximity to the Evans Head village and the coastline emphasise its strategic location and the scope of the RAAF Base during the war. It is one of the few remaining large coastal sites which retains some sense of war operations.	The area of the approved subdivision has been un- operational for decades and is located well away from the operation aerodrome with its distinctive 4 runways. The subdivision has been designed to not
	The aerodrome was constructed with four runways that intersect each other. This was to accommodate aircraft landing at the site regardless of wind or weather conditions. A design using three runways or more has only been applied to the larger aerodromes such as those based in Sydney, Coffs Harbour, Dubbo, Moruya, Nabiac, Temora and Tocumwal.	include allotments over the area where the runway sued to exist. Low impact with mitigation measures in place.
	The design of the Bellman Hangar was the Australian industry solution to the steel shortage during WWII. Steel was an essential source primarily used for the production of armaments and munitions and although used in buildings, it was preferred for larger structures.	
	As a result, the Bellman Hangar was produced and is an example of the earliest prefabrication techniques for the construction of hangars for wartime operations. (Refer Brew, 2001).	
Scientific	The item is technically and research significant because of the technical innovations and the role of the RAAF Base both of which made important	The subject site retains very little historic fabric and due to the site remediation

Aspect of Significance	NSW Heritage Register citation	Potential Impact of Works on Significance
	contributions to Australia's effort in the WWII. The prefabricated Bellman Hangar and various accommodation buildings represent significant technical innovation and adaptation for that period. While there are other modified Bellman hangars in Australia, the only remaining hangar at Evans Head Aerodrome was one of the first to be built in Australia. The other structures include the Scout Hall and Tuck Shop which are good examples of the design and are in good condition, although they have been relocated. The role of the RAAF Base, the aerodrome, its history and its structures is a potential subject for High School Students. The Evans Head Memorial Aerodrome Committee and the Evans Head	works, which removed 100- 200ml of topsoil across the site. No impact.
Rarity	Community School are currently discussing the potential for such a program. The item is rare in relation to its unique role as the primary bombing and gunnery school under the EATS. This has been identified in a thematic study conducted which surveyed the World War II aerodromes and associated sites in NSW (refer Brew, 2001).	There are no built elements within the subject allotments which constitute rare items in the state or in Australia within the subject site,
	Its future protection and management is essential in terms of it being one of the largest WWII aerodrome sites in the State and its significance in the history of defence in Australia.	No impact
Representati veness	The item represents an important class of WWII aerodromes in NSW because of its size, strategic location and its pivitol role in the training of RAAF personnel for the war effort.	The aerodrome will retain its representative value as an example of a World War II RAAF training base. No impact.

## 7.2 Conclusion

The residential subdivision of the subject has already been approved as appropriate development for these land parcels. This Section 60 represents the subsequent stage of design for the lots in question. The lots represent standard suburban styles and finishes

seen across the village of Evans Head thus they visually fit in with the adjacent residential area.

Despite the Australian Standard relating to Acoustics requiring no specific noise abatement treatments (as the site is outside the Aerodrome's 20 ANEF contour), the lots have covenants on their titles requiring additional acoustic treatments that the building's must comply with to gain their construction certificates. These noise strategies will ensure that the development actively facilitates the ongoing aviation function of the aerodrome and thus contributes to the long-term conservation of the site's primary significance.

Provided that the proposed layout, form, finish and noise management measures of the design are implemented, this Statement of Heritage Impact concludes that:

- The proposed development is appropriate to the site's heritage significance and responds to the site's values through its design;
- The proposed development has been planned within the framework of, and in accordance with, the site's Plan of Management; and
- The proposed development facilitates continued aviation use of the aerodrome and can co-exist in a mutually non-exclusive relationship with the active aerodrome.

This section outlines management policies that will ensure that minimal possible impact occurs to Evans Head Memorial Aerodrome throughout the project

As the subdivision has already been approved and the proposed residential development will have low-no impact on the site's heritage significance, this report makes only one recommendation that should form part of the consent conditions:

- Richmond Valley Council must, before issuing construction certificates for each dwelling, ensure that it has been constructed in accordance with the land title covenants. Specifically, each dwelling must include:
  - Acoustic wall (exterior walls only) and ceiling treatment; and
  - Airtight door (external doors only) and window seals.

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NAA; A705, 171/106/114 Part 1. 1945 – 1949. DWB – Property – Evans Head NSW – Bombing Ranges and Aerodrome Extensions – Disposal of Surplus Assets

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NAA; A705, 171/106/114 Part 1. 1945 – 1949. DWB – Property – Evans Head NSW – Bombing Ranges and Aerodrome Extensions – Disposal of Surplus Assets).

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## Appendix A– Land Covenant Details



ABN: 23 519 493 925 GPO Box 15 Sydney NSW 2001 DX 17 SYDNEY P: 1300 052 637 W: www.nswlrs.com.au

Date: 3/12/2018

### PLAN REGISTRATION NOTICE

THE UNDERMENTIONED PLAN WAS REGISTERED ON 3/12/2018

PLAN NUMBER: DP1248978

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CHRIS ABBOTT SURVEYING PTY LTD

P.O. Box 633

Ballina 2478

YOUR REFERENCE: 16085

REGISTRAR GENERAL

Req:R674539 /Doc:DP 1248978 B /Rev:03-Dec-2018 /Sts:SC.OK /Pgs:ALL /Prt:04-Dec-2018 08:59 /Seq:1 of 4 Ref:37091 /Src:M UP12409/0

Instrument setting out terms of Easements or Profits à Prendre intended to be created or released and of Restrictions on the Use of Land or Positive Covenants intended to be created pursuant to Section 88B Conveyancing Act 1919

(Sheet 1 of 4 Sheets)

# DP1248978

Plan of Subdivision of Lot 4 in DP1238103 covered by Subdivision Certificate No. SC2019-0006

Full name and address of owner of the land:

Albatross Point Pty Ltd 14A William Street RAYMOND TERRACE NSW 2324

Number of item shown in the intention panel on the plan	Identity of easement, profit à prendre, restriction or positive covenant to be created and referred to in the plan.	Burdened lot(s) or parcel(s):	Benefited lot(s), road(s), bodies or Prescribed Authorities:
1	Easement to Drain Sewage Variable Width (S4)	Lot 1	Richmond Valley Council
2	Easement to Drain Water Variable Width (W)	Lot 1	Richmond Valley Council
3	Positive Covenant	Lots 1-20	Richmond Valley Council
4	Easement for Aerodrome Emissions (B)	Lots 1-20 (ENTIRE LOT)	Lot 3 DP1217074

## PART 1 (Creation)

### PART 2 (Terms)

### 1. Terms of Easement Firstly referred to in the above mentioned Plan

Full and free right for the body in whose favour this easement is created, and every person authorised by it, from time to time and at all times by means of pipes to drain sewage and other waste material and fluid in any quantities across and through the land herein indicated as the servient tenement, together with the right to use, for the purposes of the easement, any line of pipes already laid within the servient tenement for the purpose of draining sewage or any pipe or pipes in replacement or in substitution therefor and where no such pipes exists, to lay, place and maintain a line of pipes of sufficient internal diameter beneath or upon the surface of the servient tenement and together with the right for the body in whose favour this easement is created and every person authorised by it, with any tools, implements or machinery, necessary for the purpose, to enter upon the servient tenement and to remain there for any reasonable time for the purpose of laying, inspecting, cleansing, repairing, maintaining, or renewing such pipe line or any part thereof and for any of the aforesaid purposes to open the soil of the servient tenement to such an extent as may be necessary provided that the body in whose favour this easement is created will take all reasonable precautions to ensure as little disturbance as possible to the surface of the servient tenement.

## 2 Terms of Easement Secondly referred to in the above mentioned Plan

Those terms set out in Part 3 of Schedule 4A of the Conveyancing Act 1919.

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Instrument setting out terms of Easements or Profits à Prendre intended to be created or released and of Restrictions on the Use of Land or Positive Covenants intended to be created pursuant to Section 88B Conveyancing Act 1919

(Sheet 2 of 4)

DP1248978

Plan of Subdivision of Lot 4 in DP1238103 covered by Subdivision Certificate No SC2019-0006

Full name and address of owner of the land:

Albatross Point Pty Ltd 14A William'Street RAYMOND TERRACE NSW 2324

### 3 Terms of Positive Covenant Thirdly referred to in the abovementioned Plan

Any application for a construction certificate for a dwelling on the subject Lot must address and provide for in that application the following acoustic measures:

- (1) Acoustic wall and ceiling insulation
- (2) Air-tight door and window seals.

The servient tenement will keep and maintain these items in good condition and in a proper state of repair to the satisfaction of Richmond Valley Council.

### 4 Terms of Easement for Aerodrome Emissions Fourthly referred to in the above mentioned Plan

Full and free right for every person who is at any time entitled to an estate or interest in possession in the land herein indicated as the dominant tenement or any part thereof with which the right shall be capable of enjoyment, and every person authorised by that person, from time to time and at all times to continue to operate the Evans Head memorial aerodrome and to emit noise and vibration in accordance with the conditions of any planning permit, licence or approval governing the operational parameters of the aerodrome across, above and through the land herein indicated as the servient tenement.

The owner of the lot burdened must not make, issue or commence (or allow to be made, issued or commenced on their behalf) any:

- a) Complaint or objection to any authority; or
- b) Claim,

in relation to any noise or vibration emitted from the land herein indicated as the dominant tenement in so far as the aerodrome is operating in accordance with any planning permit, licence or approval governing the operational parameters thereof.

Name of Person Empowered to Release Vary or Modify Easement **firstly** referred to in the Plan.:

Name of Person Empowered to Release Vary or Modify Easement secondly referred to in the Plan.

Name of Person Empowered to Release Vary or Modify Positive Covenant **thirdly** referred to in the Plan

**Richmond Valley Council** 

**Richmond Valley Council** 

**Richmond Valley Council** 

Name of Person Empowered to Release Vary or Modify Restrictions on the Use of Land **fourthly** referred to in the Plan

Heritage Council of NSW

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Instrument setting out terms of Easements or Profits à Prendre intended to be created or released and of Restrictions on the Use of Land or Positive Covenants intended to be created pursuant to Section 88B Conveyancing Act 1919

(Sheet 3 of 4)

DP1248978

Plan of Subdivision of Lot 4 in DP1238103 covered by Subdivision Certificate No SC2019-0006

Full name and address of owner of the land:

Albatross Point Pty Ltd 14A William Street RAYMOND TERRACE NSW 2324

Richmond Valley Council by its authorised delegate Pursuant to S377 of the Local Government Act 1919

I certify that I am an eligible witness and that the

delegate signed in my presence:

Signature of delegate

Name of delegate

Signature of witness

Julia Clark Name of witness

Richn

Cosino NSW  $\widehat{\alpha}$ Address of witness

Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named Below by the authorized person(s) whose signature(s) Appears(s) below pursuant to the authority specified.

Corporation: Capacity: Authority: Albatross Point Pty Ltd (ACN 615 752 273)

section 127 of the Corporations Act 2001

Signature of authorised person: Office held: Sole Director/Secretary

David Murray Sharpe Name of authorised person Req:R674539 /Doc:DP 1248978 B /Rev:03-Dec-2018 /Sts:SC.OK /Pgs:ALL /Prt:04-Dec-2018 08:59 /Seq:4 of 4 Ref:37091 /Src:M UF12409/0

Instrument setting out terms of Easements or Profits à Prendre intended to be created or released and of Restrictions on the Use of Land or Positive Covenants intended to be created pursuant to Section 88B Conveyancing Act 1919

(Sheet 4 of 4)

DP1248978

Plan of Subdivision of Lot 4 in DP1238103 covered by Subdivision Certificate No SC2019-0006

Full name and address of owner of the land:

Albatross Point Pty Ltd 14A William Street RAYMOND TERRACE NSW 2324

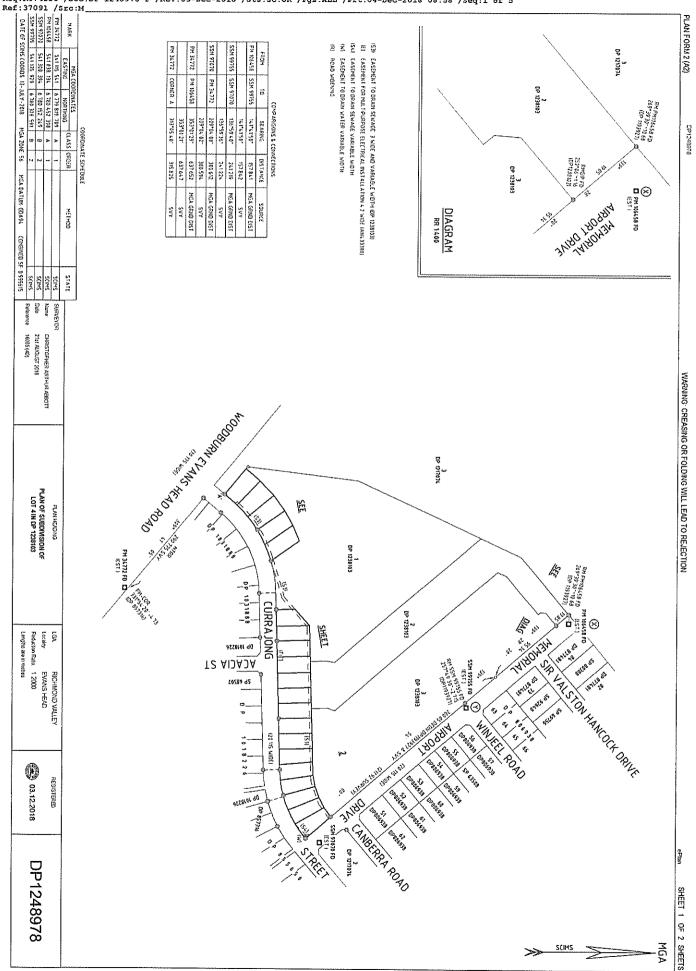
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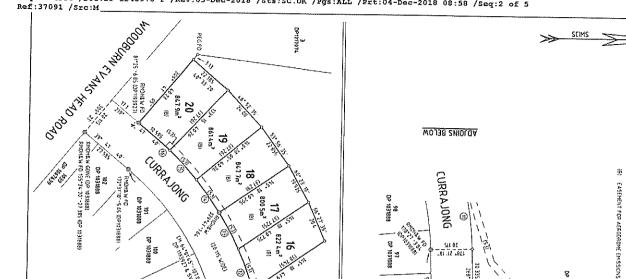
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- 20<u>16</u> for National Australia Bank Limited ABN 12 004 044 937 by <u>Shane</u> <u>Hindle</u> \_\_\_\_\_\_ its duly appointed Attorney under Power of Attorney to. 39 Book 4512 Attorney Signature, Level <u>2</u> Attorney Witness Signature <u>Hindlow</u> Witness Name <u>Karen</u> Lo for

Witness Address 15 mitchell Dr East Maitland NSW 2323

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21st AUGUST 2018 CHRISTOPHER ARTHUR AGBOTT

PLAN OF SUBDIVISION OF LOT 4 IN DP 1238103

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DP1248978

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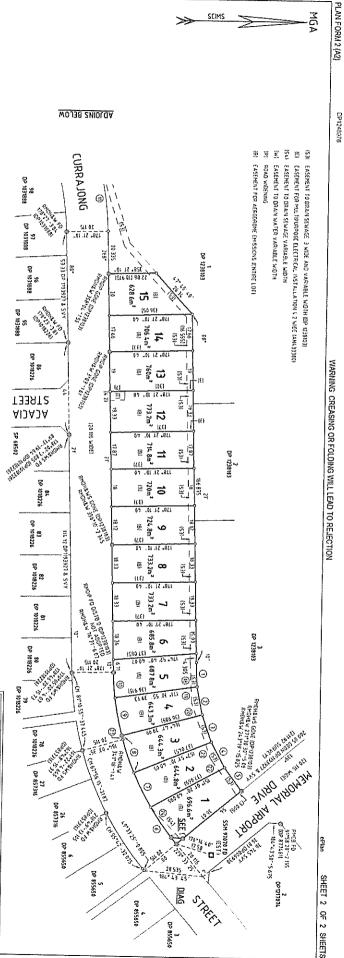
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PLAN FORM 6 (2017) DEPOSITED PLAN AD	OMINISTRATION SHEET Sheet 1 of 3 sheets
Office Use Only Registered: 03.12.2018 Title System: TORRENS	Office Use Or DP1248978
PLAN OF SUBDIVISION ~ OF LOT 4 IN DP 1238103	LGA: RICHMOND VALLEY Locality: EVANS HEAD Parish: RILEY County: RICHMOND
Survey Certificate I	Crown Lands NSW/Western Lands Office Approval (
<ul> <li>was surveyed in accordance with the Surveying and Spatial</li> <li>Information Regulation 2017, the part surveyed is accurate and</li> <li>the survey was completed on,</li></ul>	Subdivision Certificate I
Datum Line: X - Y (MGA) Type: *Urban/*Rural- The terrain is *Level-Undulating / *Steep-Mountaineus- Signature: Diversion Molecular Steep-Mountaineus- Dated: 21st AUG 2018 Surveyor Identification No: 281 Surveyor registered under the Surveying and Spatial Information Act 2002 *Strike out inappropriate words.	Signature: Tr AS Accreditation number:
**Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey. Plans used in the preparation of survey / compilation DP 1238103	* Strike through if inapplicable. Statements of intention to dedicate public roads, create public reserves and drainage reserves, acquire / resume land.
Surveyor's Reference: 16085 (1D)	Signatures, Seals and Section 88B Statements should appear on

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	AN FORM 6A	(2017)	DEPOSITED PLAN ADMI	NISTRATION SHEET	Sheet 2 of 3 sheets
Regi	stered: 🌾	03.12.20	Office Use Only 18		Office Use 0
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LOT	SUB ADDRESS	ADDRESS	ROAD NAME	ROAD TYPE	LOCALITY
1		42	CURRAJONG	STREET	EVANS HEAD
2		44	CURRAJONG	STREET	EVANS HEAD
3		46	CURRAJONG	STREET	EVANS HEAD
4		48	CURRAJONG	STREET	EVANS HEAD
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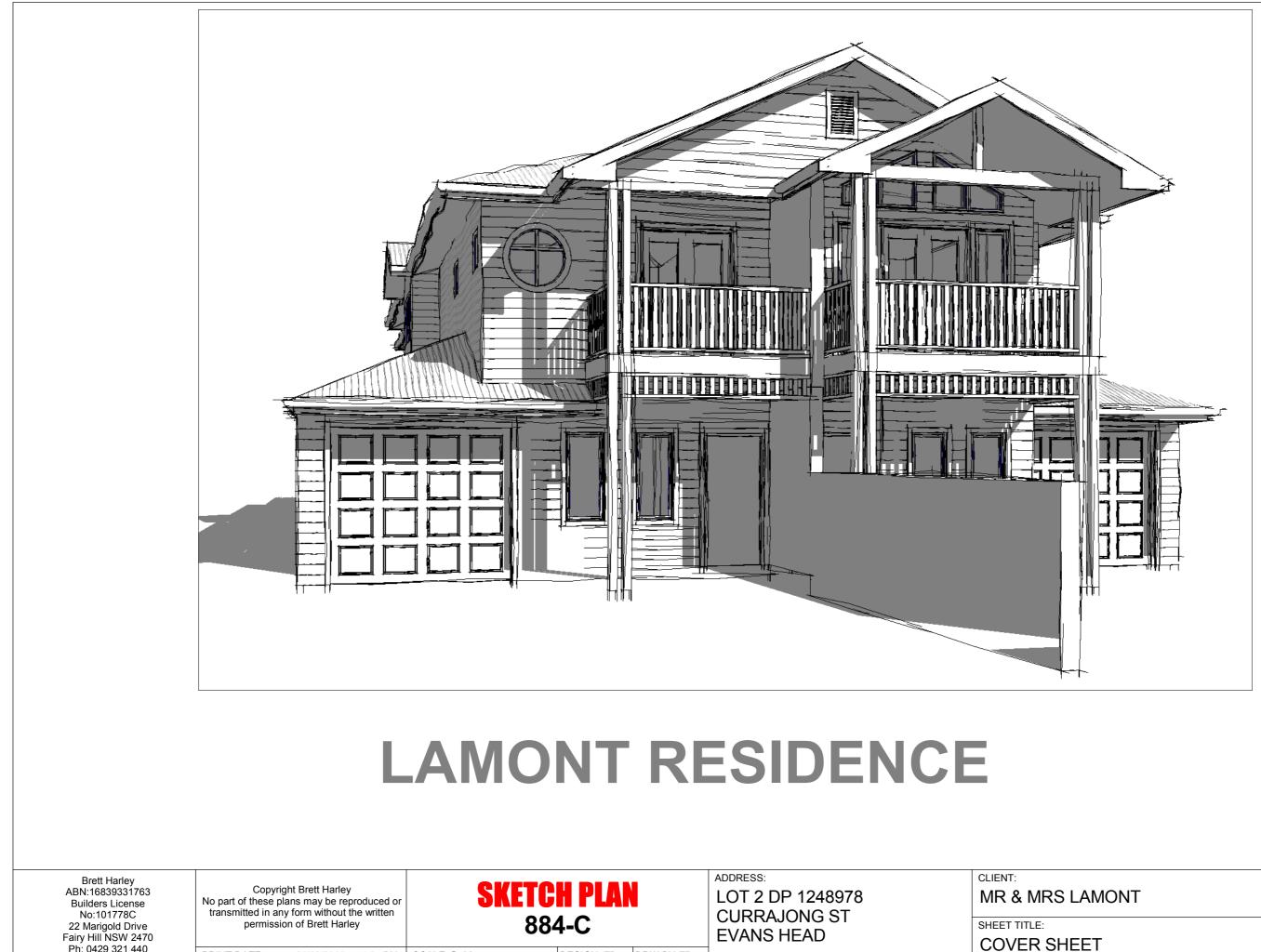
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Surveyor's Reference: 16085 (2G)

PLAN FORM 6A (2017) DEPOSITED PLAN AD	MINISTRATION SHEET Sheet 3 of 3 sheets
Office Use Only Registered: 03.12.2018	
PLAN OF SUBDIVISION OF LOT 4 IN DP 1238103	<ul> <li>This sheet is for the provision of the following information as required:</li> <li>A schedule of lots and addresses - See 60(c) SSI Regulation 2017</li> <li>Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919</li> <li>Signatures and seals- see 195D Conveyancing Act 1919</li> <li>Any information which cannot fit in the appropriate panel of sheet 1</li> </ul>
Executed by Albatross Paint Pty (ACN'615752273) in accordance w Section 127 of the Corporations Act Activity Murray Sharpe Sole Director (Secretary	1ith
Mortgagee under Mortgage No. <u>AN23980</u> Signed at <u>East Moutling</u> this <u>9</u> day of <u>Nov</u> 2018 for National Australia Bank Limited ABN 12 004 ( by <u>Shace thindle</u>	044 937 its duly ok 4512
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Appendix B– Lots Plans (elevations and floor plans)



DESIGN: TB DRW BY: TB

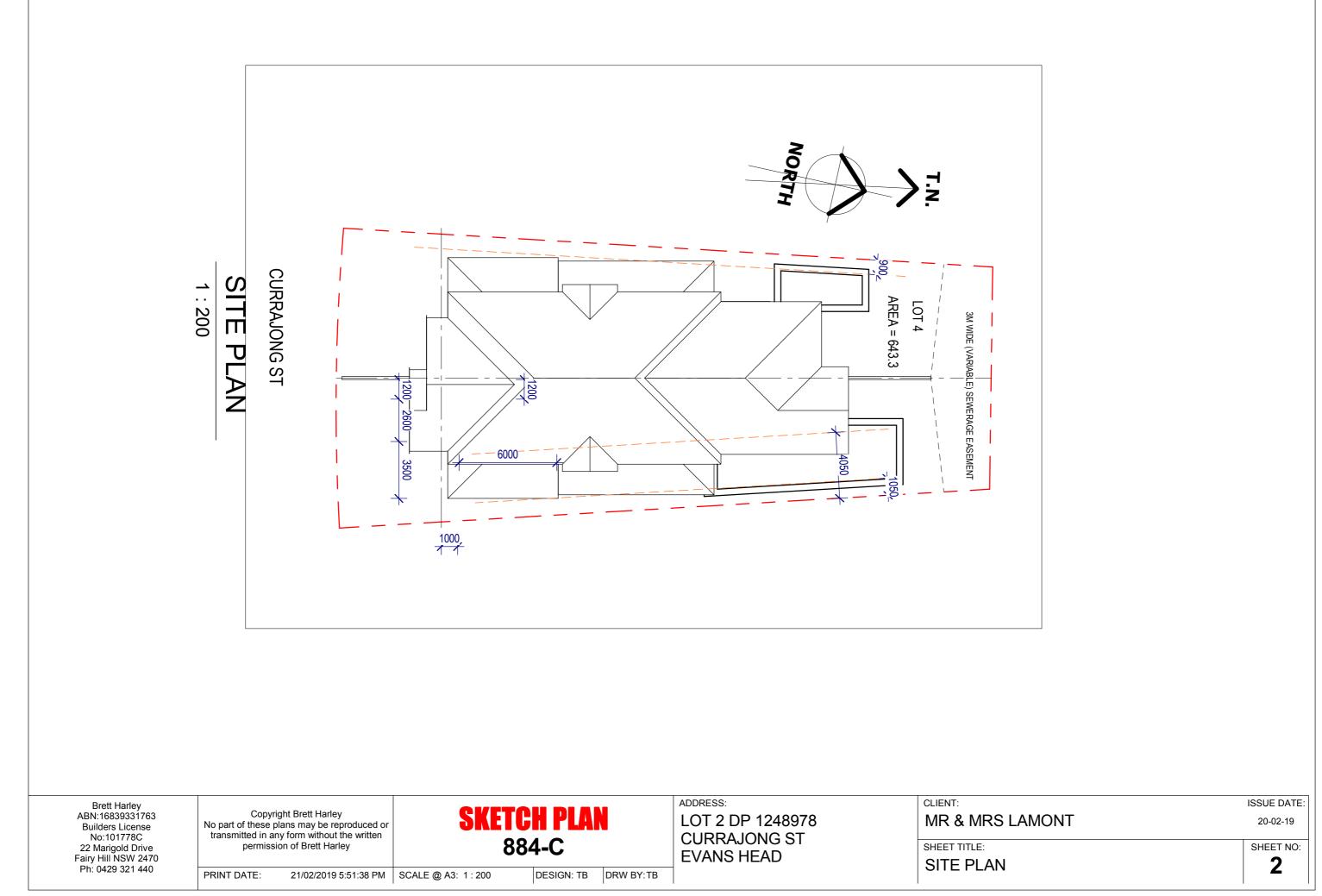
Ph: 0429 321 440

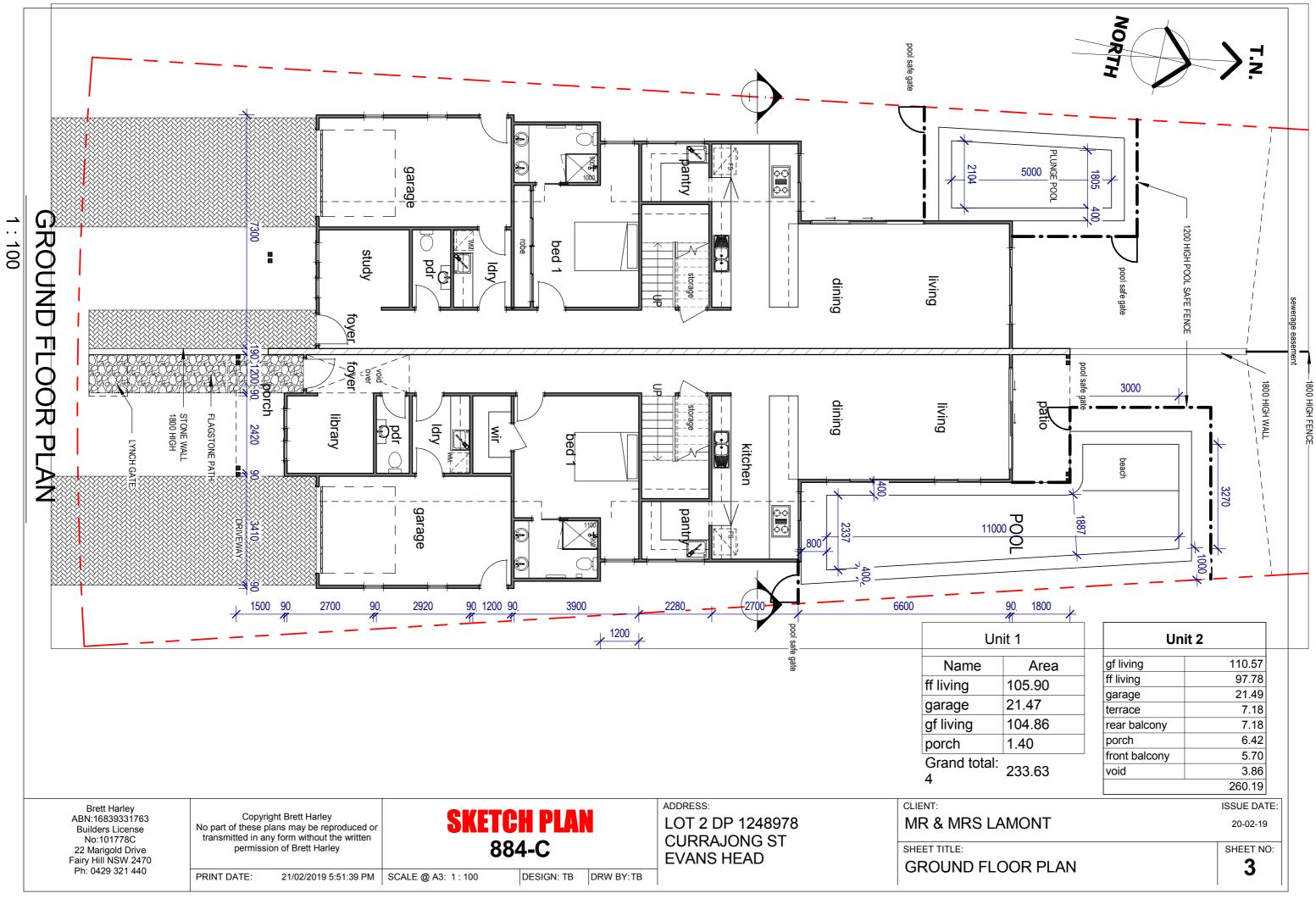
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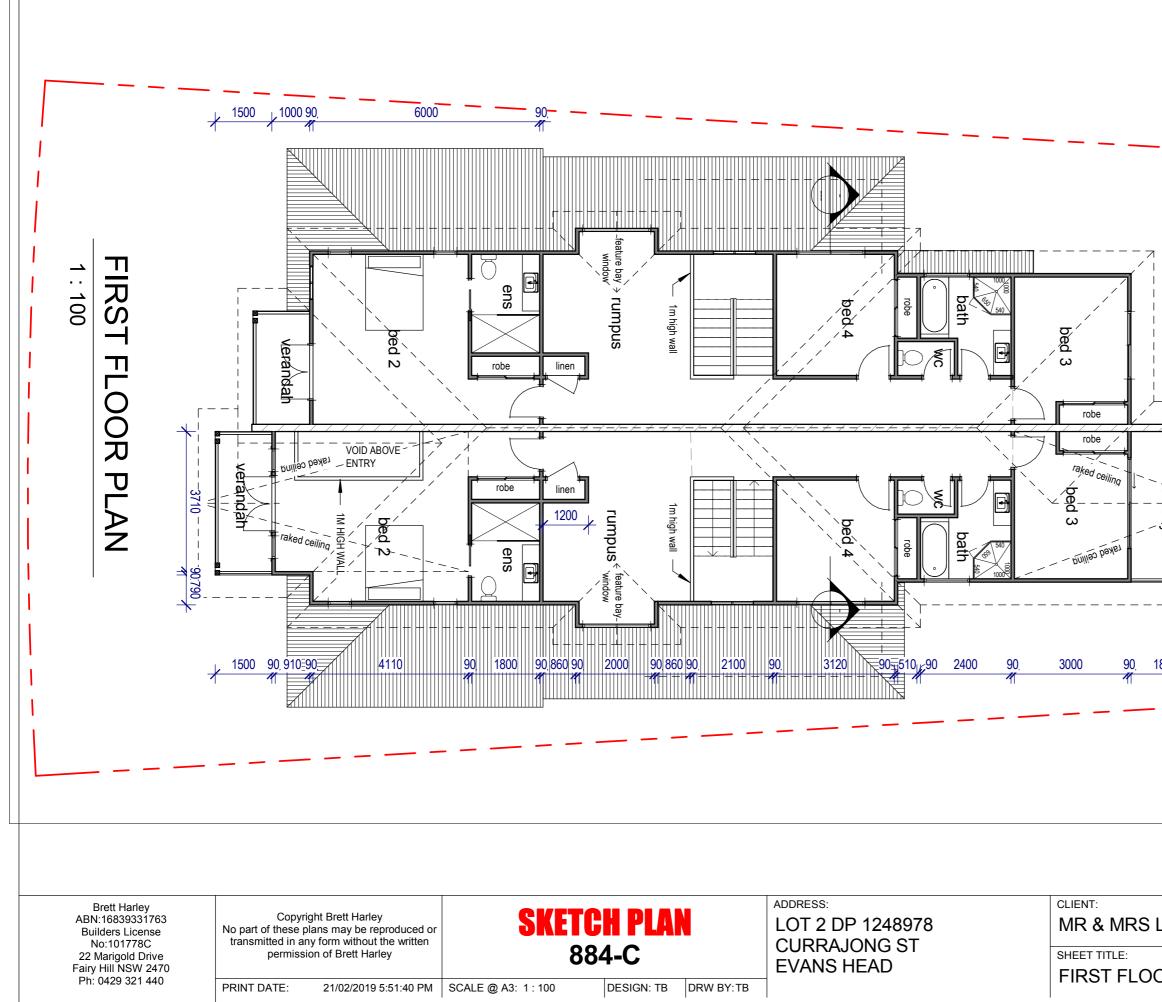
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ISSUE DATE: 20-02-19

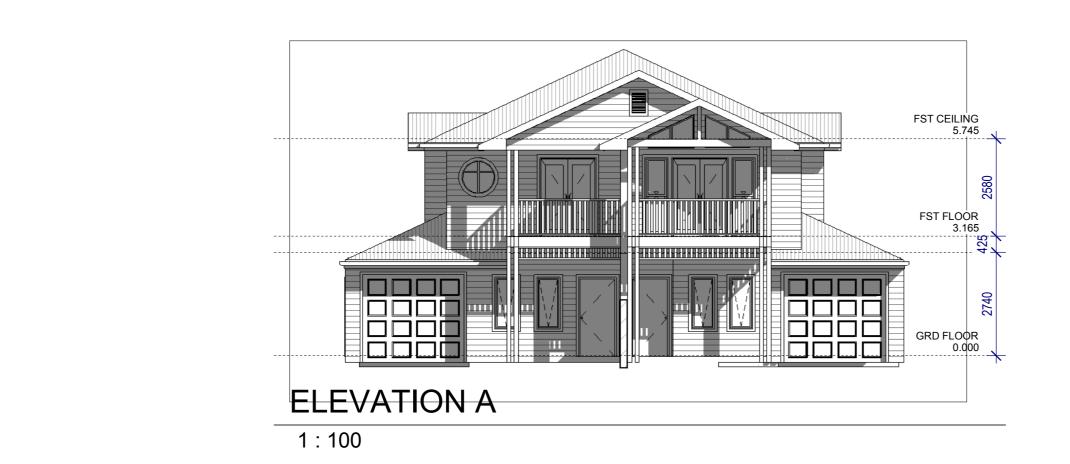
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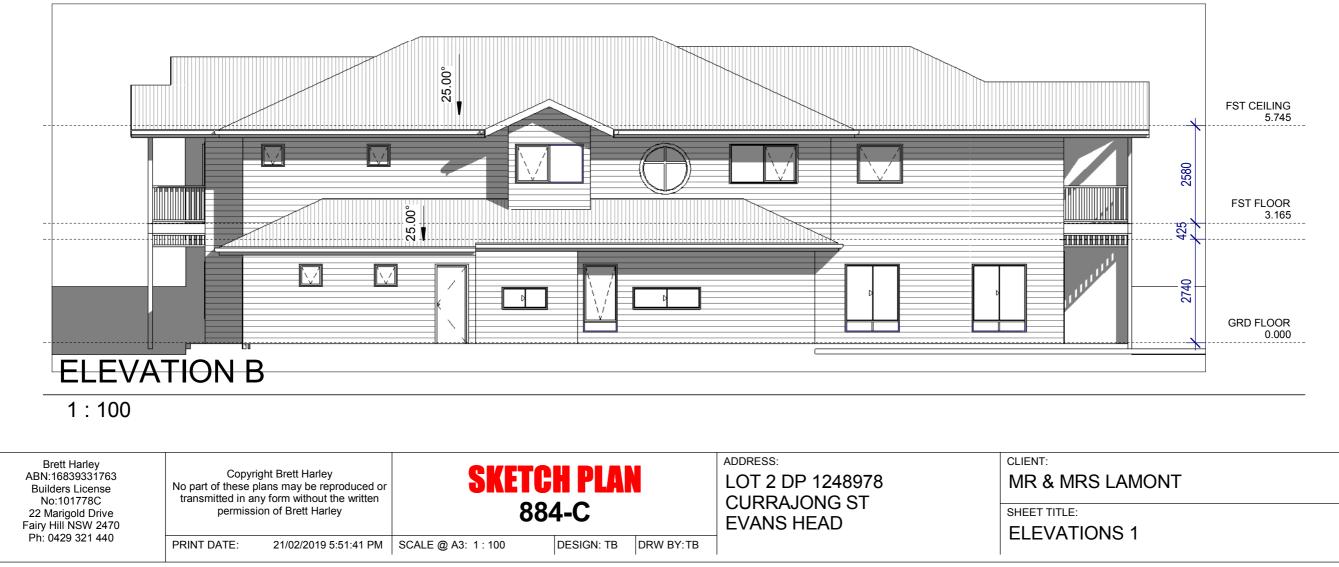




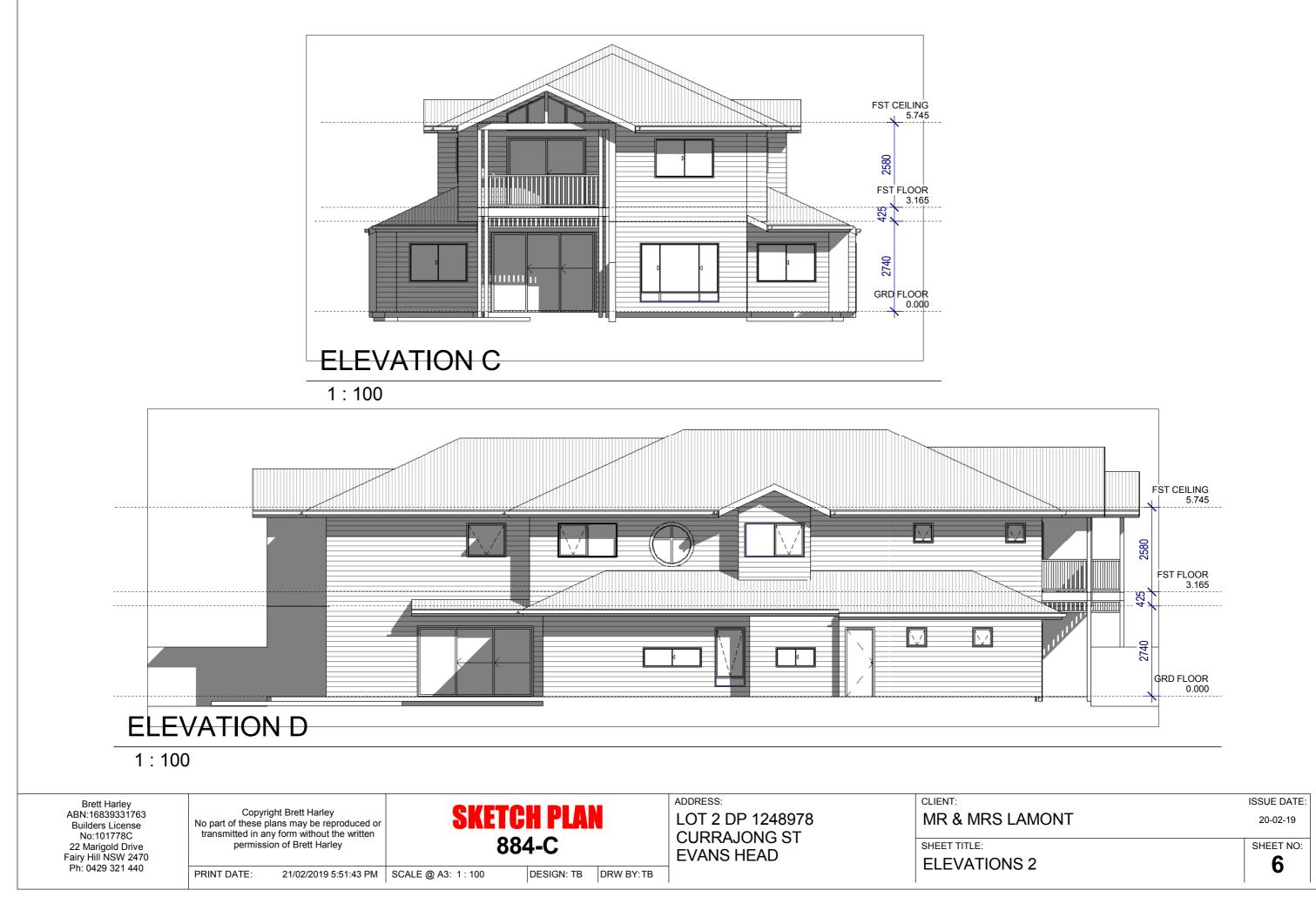


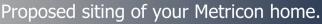
LAMONT ISSUE DATE: 20-02-19 OR PLAN 4



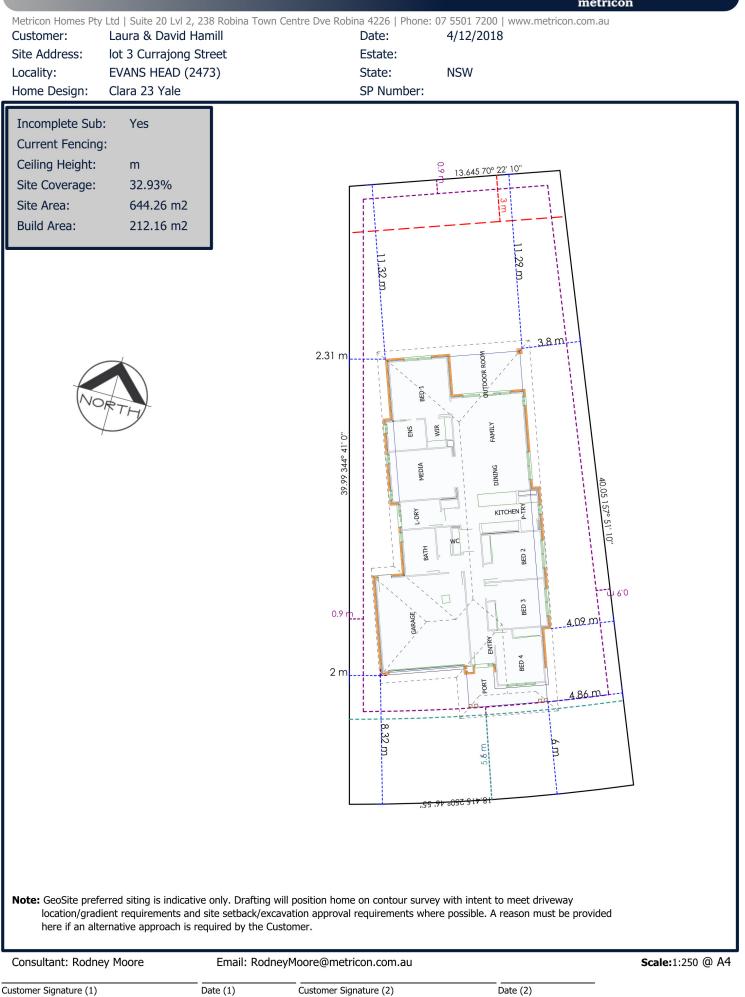


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LAMONT	20-02-19
	SHEET NO:
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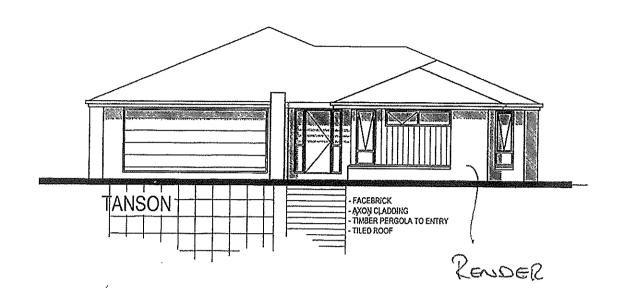






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facades to suit the austin, baywood, heydon, indigo, iluka, pen based on the heydon design



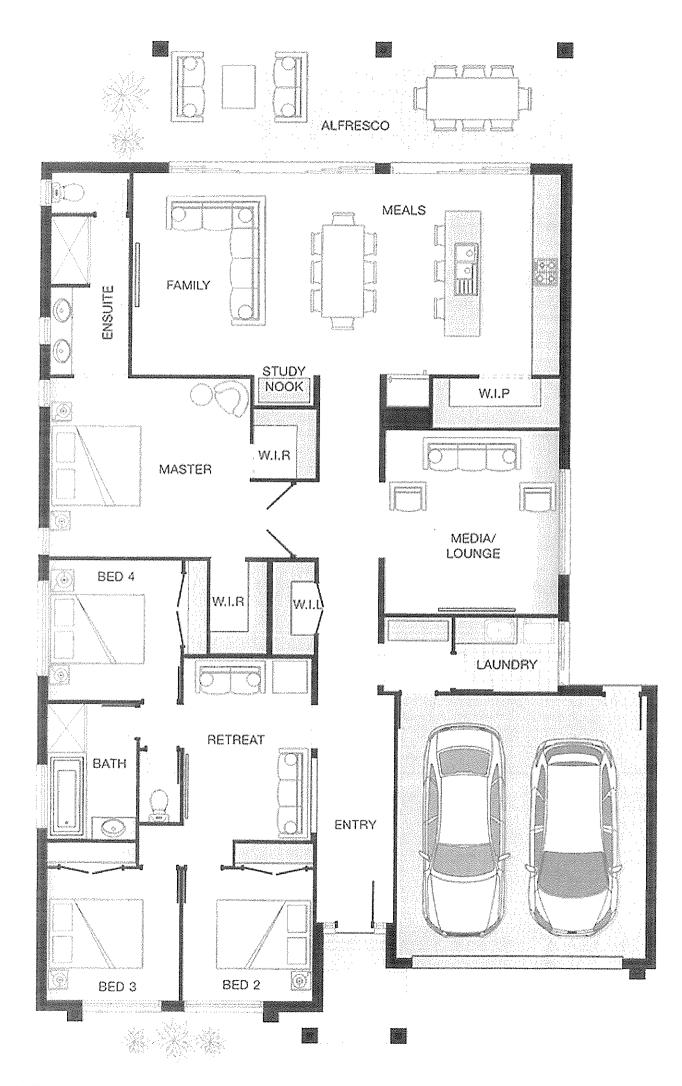
# RENDER FRONT & BAS & PRINT REST OF HOUSE

Quat

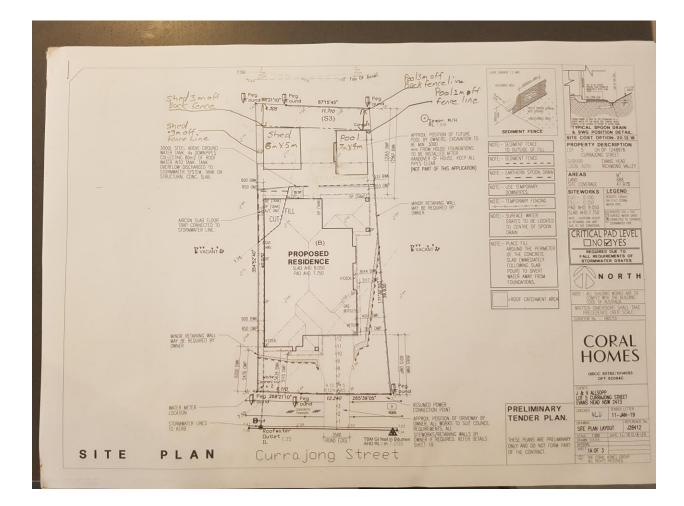
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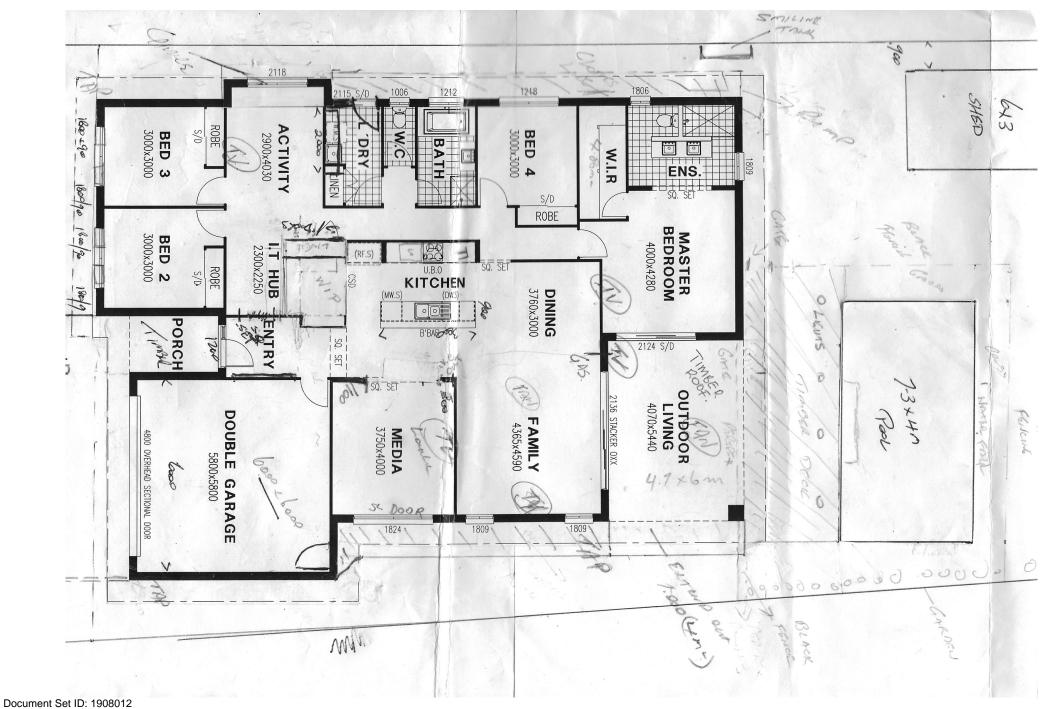
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						permission of AB (Aust) IF

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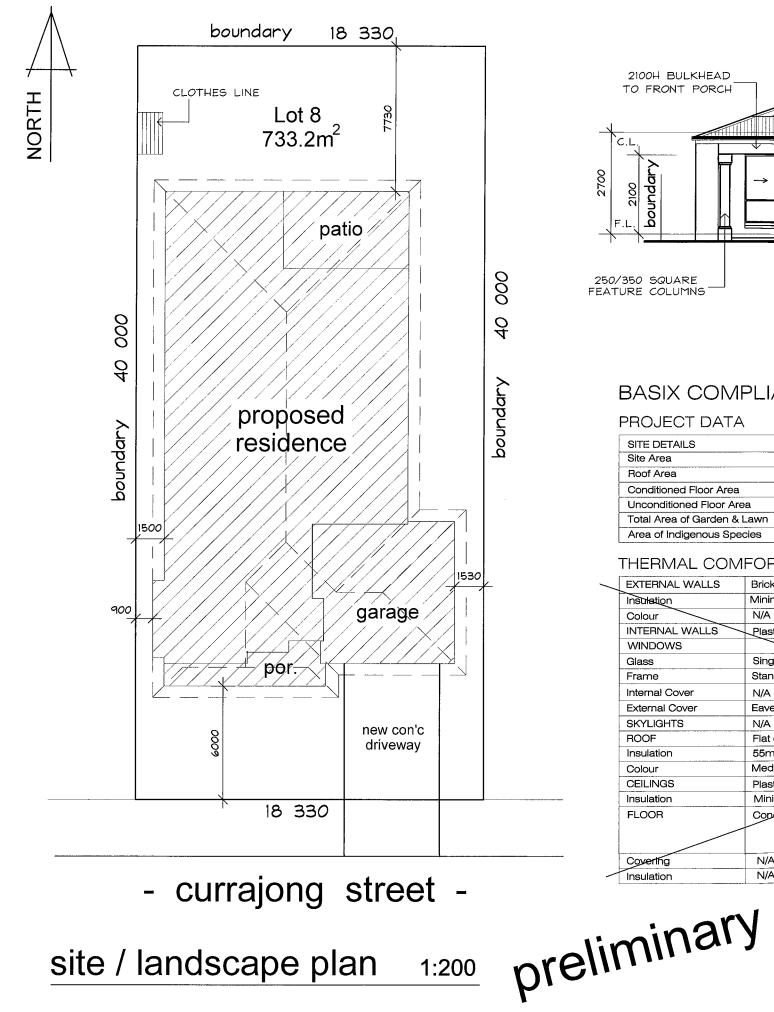


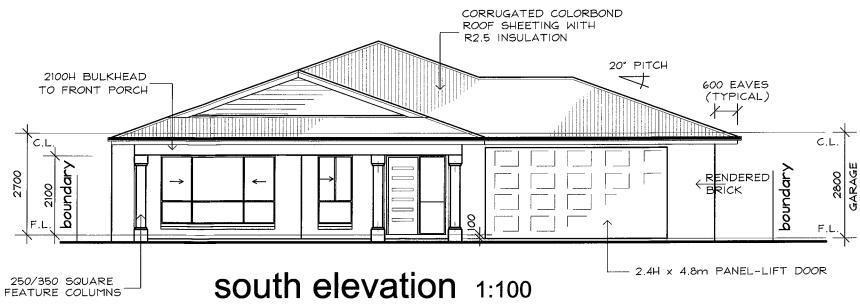
Document Set ID: 1908012 Version: 1, Version Date: 23/02/2024





Version: 1, Version Date: 23/02/2024





## BASIX COMPLIANCE SPECIFICATION Certificate No. ?????

### PROJECT DATA

SITE DETAILS	sq.m
Site Area	733
Roof Area	
Conditioned Floor Area	
Unconditioned Floor Area	
Total Area of Garden & Lawn	
Area of Indigenous Species	N/A

## WATER COMMITMENTS

FIXTURES	Min Rating	ALTERNATIVE WATER	
All Shower Heads	4 Star	Rainwater Tank Capacity	3000 litres
All Toilets	4 Star	Roof Area to Tank	
All Kitchen Taps	4 Star	Tank Connected to	All Toilets, L'dry
All Bathroom Taps	4 Star		and outdoor taps

	/FORT SPECIFICATION	HOT WATER SYSTEM	Solar - Electric Boosted (26-30 RECS)
		COOLING	
EXTERNAL WALLS	Brick Veneer	Living Areas	Ceiling Fans
Insulation	Minimum R1.36 (or 1.90 including construction)	Bedrooms	Ceiling Fans
Colour	N/A	HEATING	
INTERNAL WALLS	Plasterboard	Living Areas	Nil
WINDOWS		Bedrooms	Nit
Glass	Single Clear (U=7,63 SHGC=0.75)	VENTILATION	
Frame	Standard Aluminium	Bathrooms	Individual fan, ducted to facade or roof
Internal Cover	N/A		Manual switch on/off
External Cover	Eave / verandah / porch	Kitchen	Individual fan, ducted to facade or roof
SKYLIGHTS	N/A		Manual switch on/off
ROOF	Flat ceiling / pitched roof	Laundry	Natural
Insulation	55mm foil backed blanket	ARTHEICIAL LIGHTING	Dedicated Flourescent or LED
Colour	Medium (SA < 0.475 - 0.70)	Bedrooms	No
CEILINGS	Plasterboard	Living/Meals	No
Insulation	Minimum R1.81 (down)	Kitchen / Hallways	No
FLOOR	Conerete slab on ground	Laundry	No
		Bathrooms/Toilets	No
		Cooktop/Oven	Gas Cooktop / Electric Oven
Covering	N/A	Refrigerator Space	Not well ventilated
Insulation	N/A	Outdoor Clothes Drying	Yes (fixed)

Brian Buildi

Lot 8 - Currajong Street, Evans Head

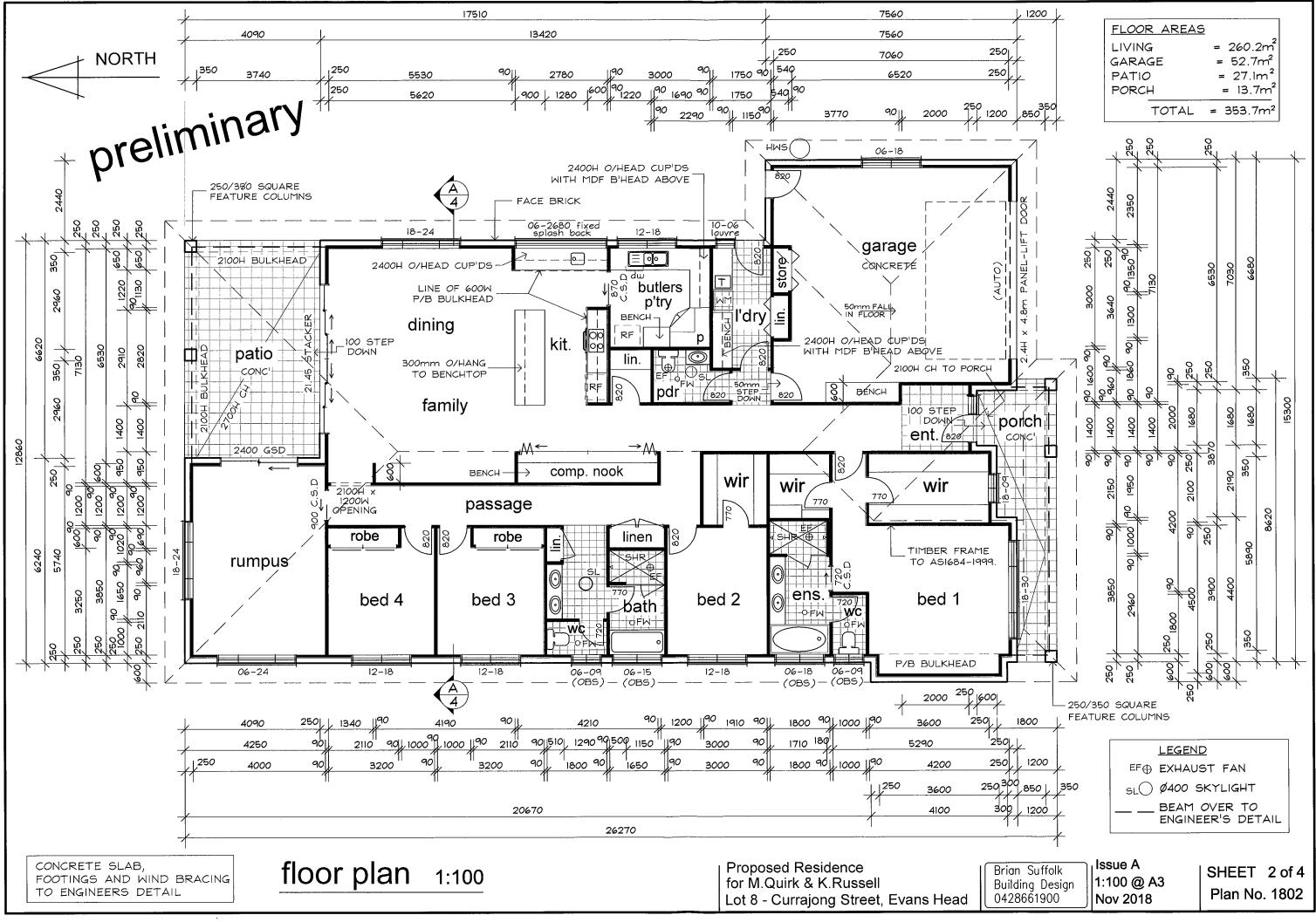
**Proposed Residence** 

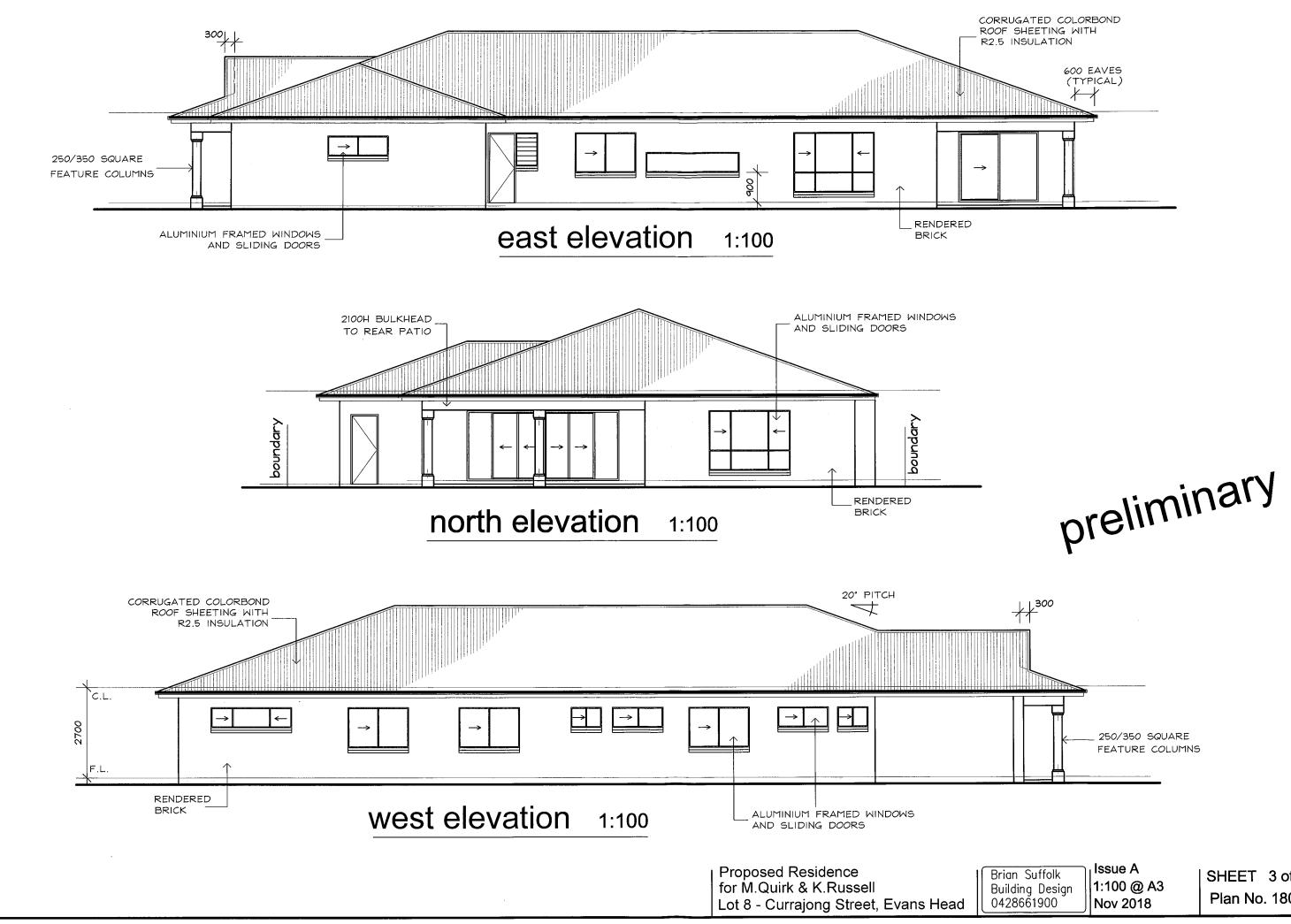
for M.Quirk & K.Russell

### ENERGY COMMITMENTS

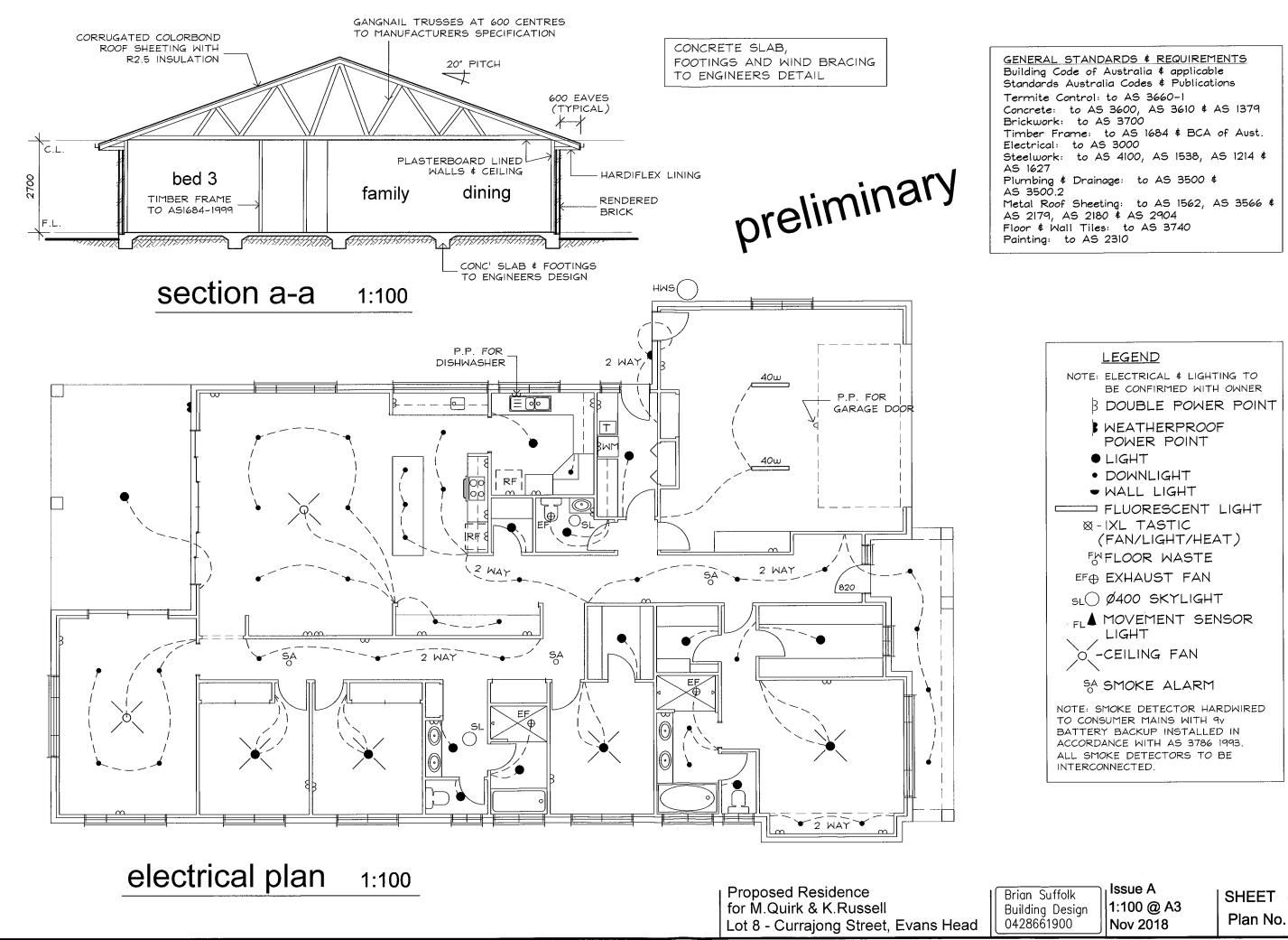
### BUILDER TO CHECK ALL DIMENSIONS AND LEVELS ONSITE GROUND LEVELS SHOWN ARE APPROXIMATE, BUILDER IS TO CHECK ALL LEVELS AND POSITION ONSITE WITH OWNER BEFORE COMMENCING WORK.

Brian Suffolk	Issue A	SHEET 1 of 4 Plan No. 1802
Building Design 0428661900	Nov 2018	Plan No. 1802

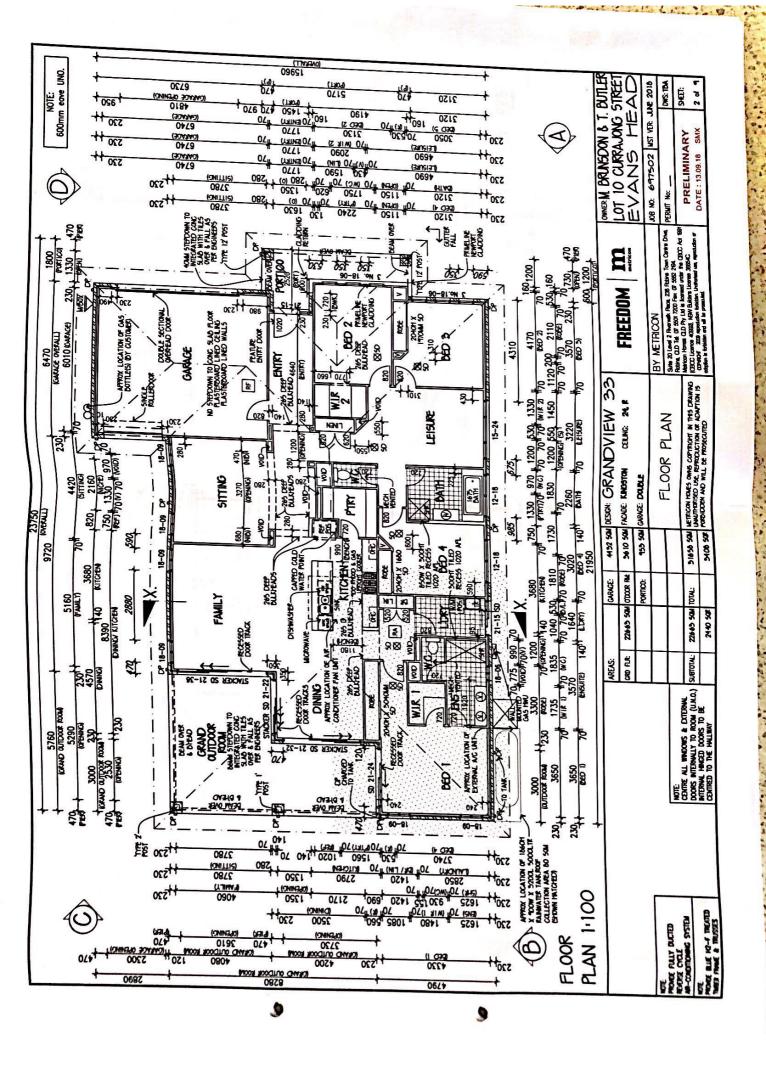


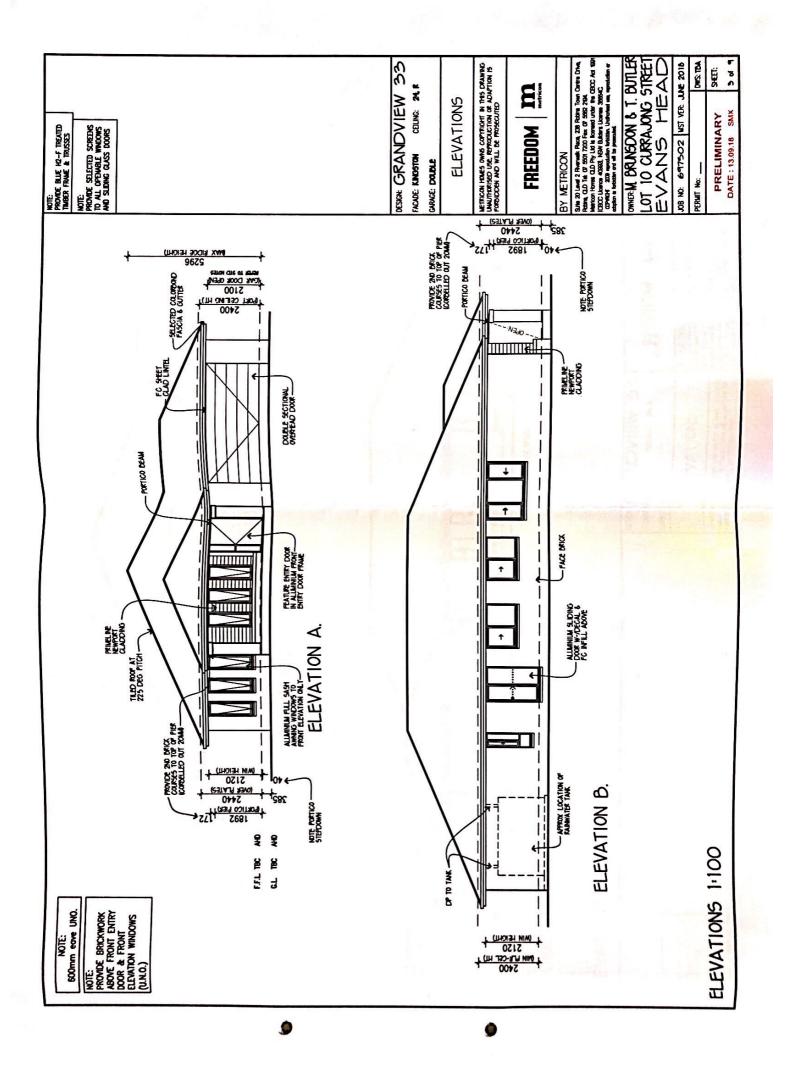


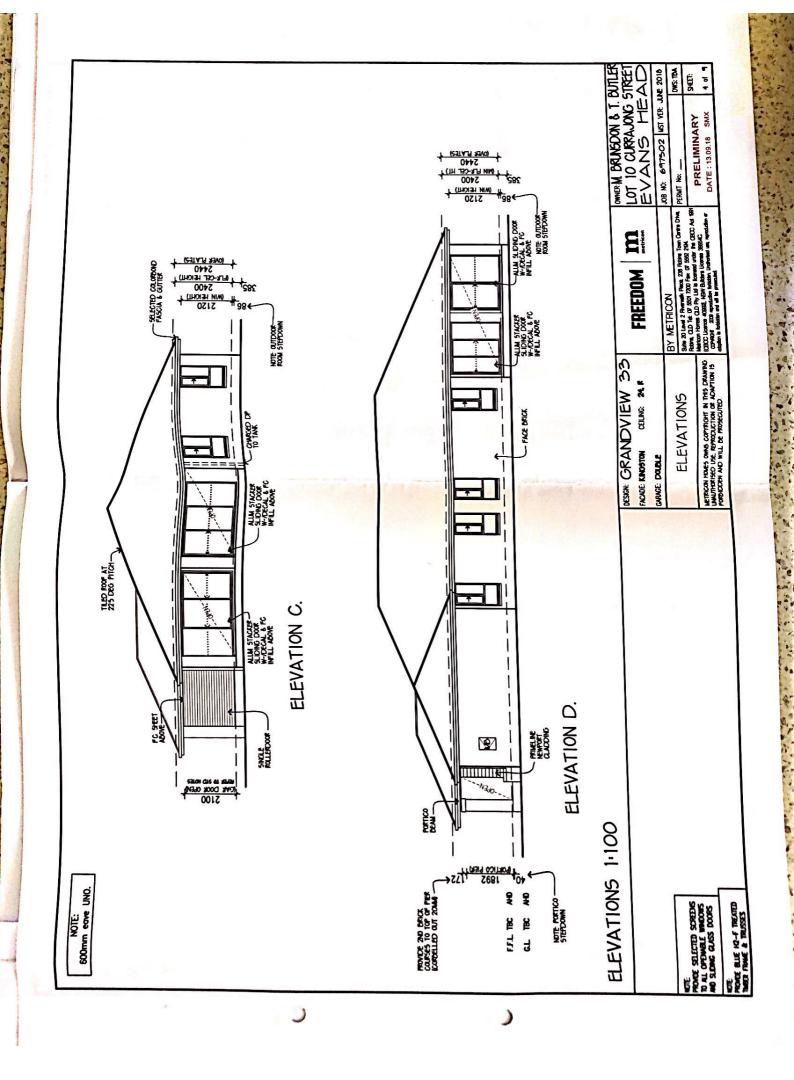
SHEET 3 of 4 Plan No. 1802

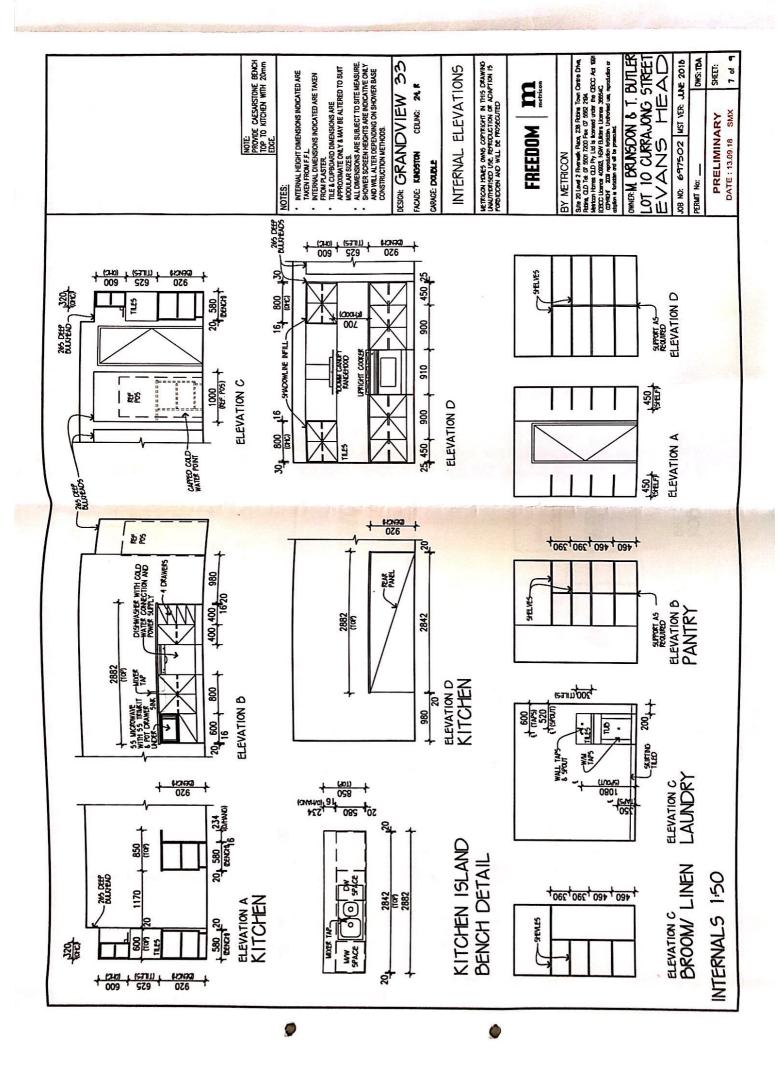


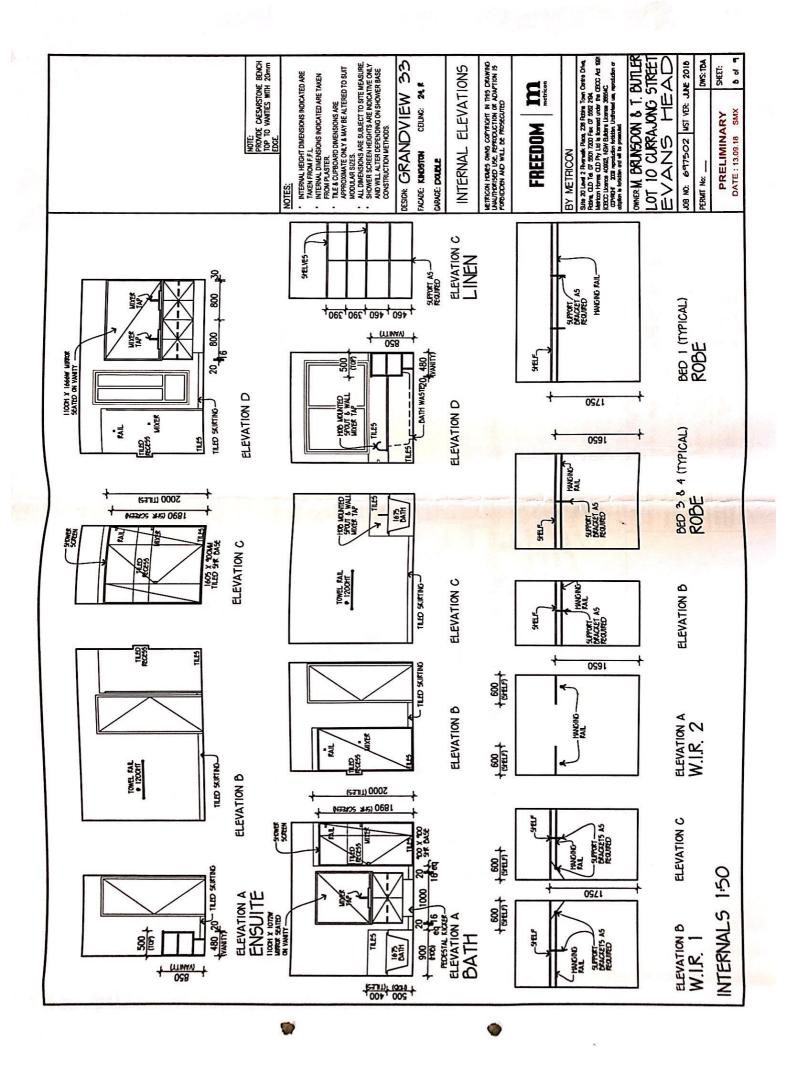
SHEET 4 of 4 Plan No. 1802

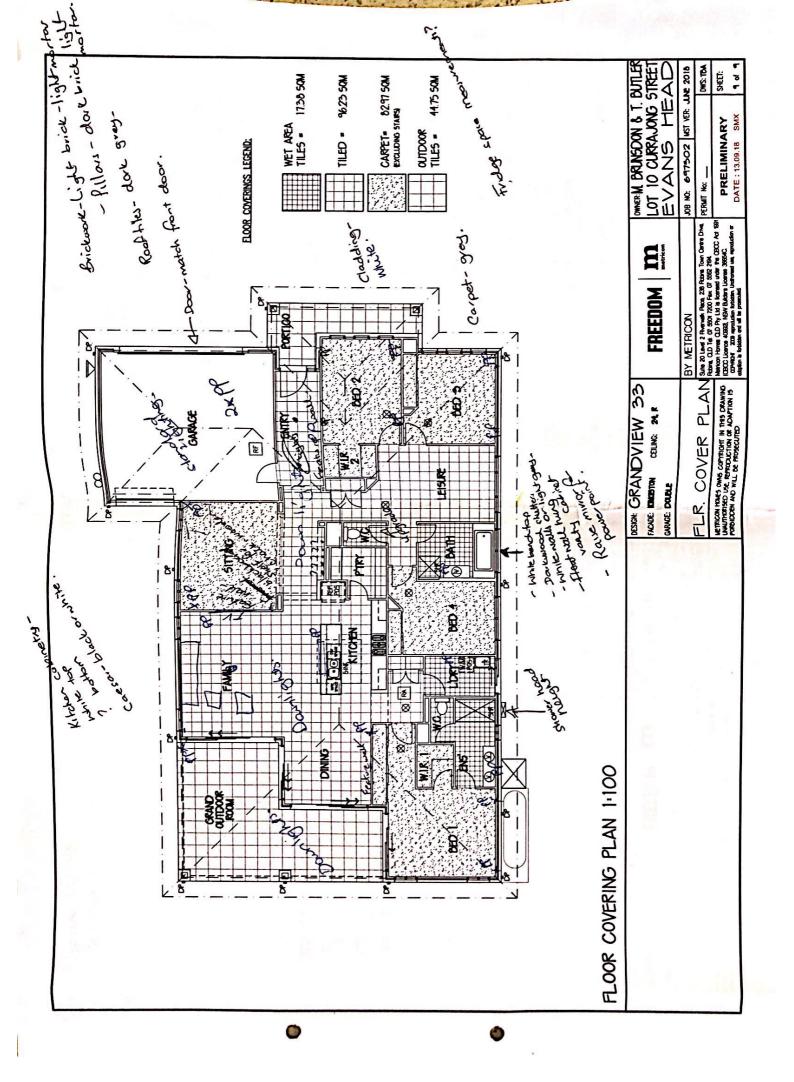










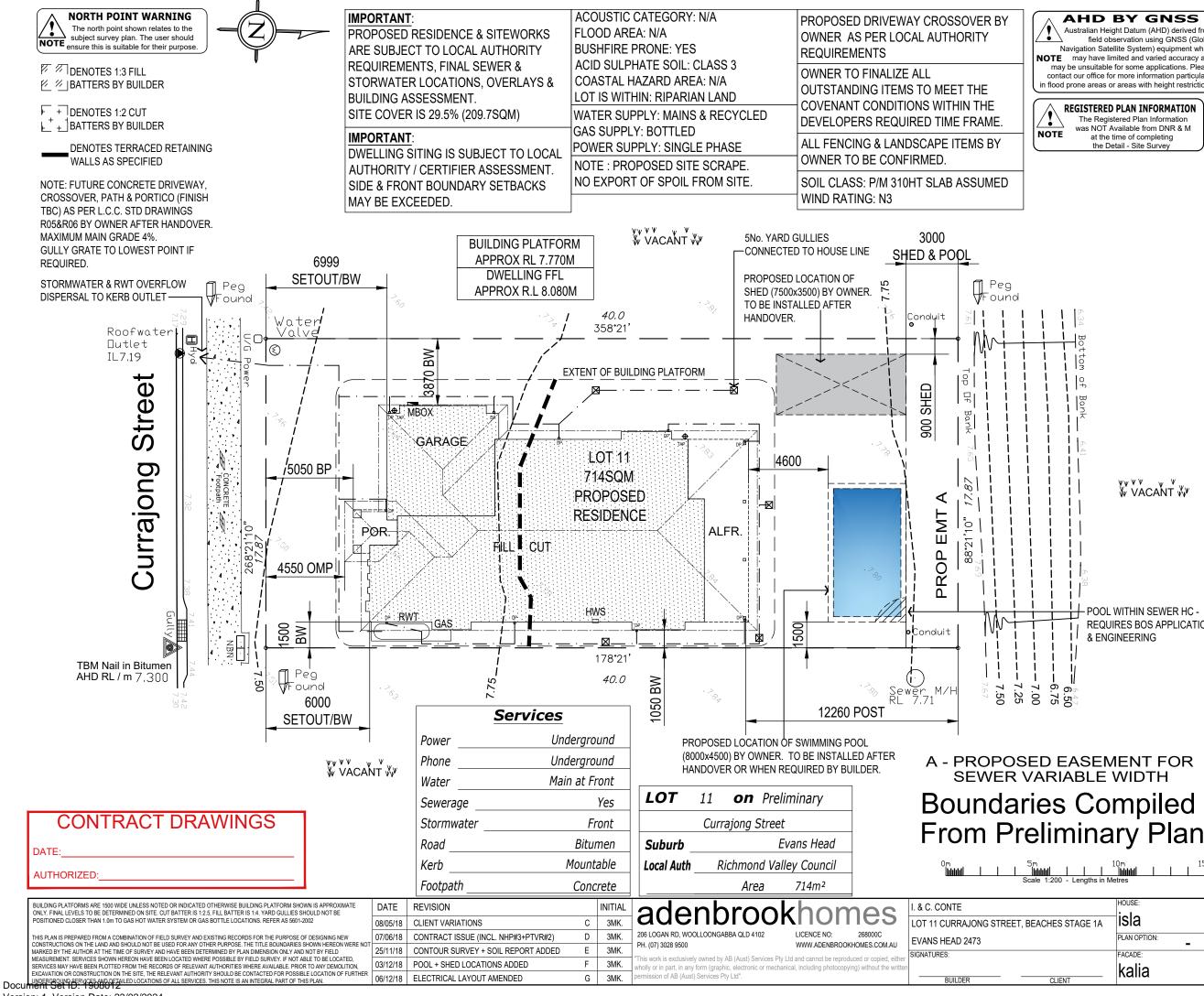


GENERAL NOTES	c.		STANDARD NOTES:	BRICK PIERS/COLUMNS/POSTS
	2			<ul> <li>PROVIDE BALCONY/ PORTICO LOR ROOF SUPPORT WITH ENCASED BUILD FOR BUILD FOR STATE (FILL) ( ENCIDENCE) AND COMENCES TO BUILD FOR BALCONY ( PORTICO LIOR ROOF SUPPORT WITH ENCASED)</li> </ul>
(SITE SPECIFIC)			PARITIEN DIMENSIONS I ANE TREACCOUNCE OF CARACTER	
			Traming	•
			WITH A S. 1664 NATIONAL TIMBER FRAMING CODE & OR ENGINEER	
			STRUCTURAL COMPUTATIONS.	
			FLOOR TO BE PREFABRICATED TO MANUFACTURERS SPEC. & ALLOW	>
				-1
			· SPACED & FIXED TO FIXATEL COLL OF COMMUNICATION	<ul> <li>PROVIDE TERMITE MANAGEMENT SYSTEM DEEMED TO SATISFY</li> </ul>
	1		ROOF FRAMING	A.S. 3060.1
			PREFABRICATED ROOF TRUSSES TO MANUFACTURERS     PREFABRICATED ROOF TRUSSES TO MANUFACTURERS	STEPS/STAIRS & BALUSTRADES
			SPECIFICATIONS: THOMSE APACED & FIXED AT ADDAM MAX. CRS.	<ul> <li>ALL STEPS MUST COMPLY WITH B.C.A. 3.9.1.</li> </ul>
			INTERNAL CELING AREAS SPACED & FIXED AT 450MM MAX. CRS.	<ul> <li>BARRIERS &amp; HANDRAILS MUST COMPLY WITH B.C.A. 3.9.2.</li> </ul>
			SKII I I I I I I I I I I I I I I I I	WET AREAS
			DIDRED TRICES TO BE PLACED DIRECTLY OVER EXTERNAL WALL	<ul> <li>WATERPROOFING OF WET AREAS TO COMPLY WITH A.S. 3870 LIOR</li> </ul>
			STUDS OR APPROVED LINTEL	
0.00			WALLERAMING	
			EXTERNAL STUD WALLS TOWM TH, U.N.O. @ 600 MAX. CRS	PLASTERBOARD.
			INTERNAL STID WALLS TOWN TH U.N.O. @ 600 MAX. CRS	ALL WALL TILING HEIGHTS ARE NOMINAL AND TO BE ADJUSTED ON
9			ALL WINDOWS HEADS TO FINISH FLUSH WITH SOFFIT LINING U.N.O.	SITE TO SUIT. SHOWER TILING TO EXTEND MIN. 20MM ABOVE
			Intel sizes to engineers design	ouncer.
INSW BASIX REQUIREMENTS (BUILDING AND SUSTAWABILITY INDEX)	DEO	REVIS	Т	GLAZING
CONSCIPCION OF THE MARKAN TER MARKESTERS		8	2010	<ul> <li>WINDOW HEAD HEIGHT DIMENSION GENERALLY TAKEN TO THE NEAREST CORRESPONDING BRICK COURSE.</li> </ul>
ANDMATTER TANK SERVED BY A MERAUL OF     BACK I WATTER BALET POINT RUMAN OF	F IN SOM OF ROOF ANEA.	1 13.09.18 PC1	SMX RGO GARAGE DOOR	<ul> <li>WIN. SUPPLIER TO SUPPLY COVER BOARDS TO ALL CORNER WIN</li> </ul>
TWO (2) EXTERNAL GARGEN LANS		2	2100MM GARAGE DOOR OPENING, FRAMING AT 2080MM AFFL	U.N.O.
COLD WATER WASHING MODE TAP		3	S130MM GARAGE DOOR OPENING, FRAMING AT 2105MM AFFL	<ul> <li>ALUMIN. SLIDING WIN. &amp; DOORS TO SIDE &amp; REAR ELEVATIONS U.N.O.</li> </ul>
	TO ALL WCS & AT LEAST ONE ETTERNAL TAP.		GARAGE DOOR OPENING > 2130MM, FRAMING 25MM BELOW OPENING	•
ARONDE MEMORI INSCRIMENT 3 START AN THOMAS *	NYNANE, BHOMER HEADS & TOLETS OMEED IN ACCORDUNCE WITH APPROVED		DIMENSION	WITH A.S. 4055 FOR WIND LOADING
BASIX CERTERCATE • LUCATERIO TO BE EXTER RATTER FREED OR APPROVED SEALED DOMALICAT BYSTEM	UTROVED SEALED DOWALIGHT BYSTEM		CLADDING	<ul> <li>ALL WINDOWS WITH A SILL HEIGHT OF 2M OR MORE ABOVE GROUND I EVEL SHALL RE RESTRICTED TO RE LINDRENARI E REVOND 1254M</li> </ul>
			ROOF CLADDING/PLUMBING	TO COMPLY WITH BCA 3.9.2.5 REQUIREMENTS (U.N.O.)
	•		CLADDING AS SPECIFIED ON ELEVATIONS	ENERGY EFFICIENCY NOTES
			SELECT COLORBOND FASCIA & GUTTER	PROVIDE BULK CELLING INSULATION AS PER STD SPECIFICATIONS
			SELECT COLORBOND (RAINHEADS WHERE NOTEDY DOWNPIPES TO	
			BE CONVECTED TO U/G DRAINAGE	<ul> <li>PROVIDE EXTERNAL WALL INSULATION AS PER STD SPECIFICATIONS</li> </ul>
			INTERNAL CEILING/WALL - GENERAL.	(nwn)
		12	CEILING 'DIRECT FIX' 10MM UNISPAN PLASTERBOARD (OR APPROVED	
		13	• • EQUIVALENT) U.N.O.	2
			• WALLS TO BE 10MM PLASTERBOARD	ALL HWUS TO BE GAS U.N.O.
		15	EXTERNAL CELLING/WALL - GENERAL	<ul> <li>FLUES FOR ALL HEATERS (WHERE APPLICABLE) ARE TO BE INSTALLED TO MANILISACTI IDEDS SPECIEICATIONS</li> </ul>
		16	CELLINGS 'DIRECT FIX' 10MM UNISPAN (OR APPROVED EQUIVALENT)     PLASTERROARD (1 N O	
			BRICK COURSING TO BE SET OUT TO ACHIEVE 2120 ABOVE F.F.L. FOR	
		18	ALL WINDOW HEADS U.N.O.	ALL PLUMBING, DRAINAGE & ASSOCIATED WORKS TO COMPLY WITH THE PLUMBING CODE DE ALISTRALIA BEA & A STOP
		19	PROVICE FC. SHEET INFILL ABOVE SIDE & REAR ELEVATION	PROVIDE MINIMUM 125mm SLOTTED GUTTERS WITH APPROVED
			WITH SELECTED FACE BRICK, USE BLUEBOARD INFILL WHEN	OVERFLOW SPACERS
		21	SELECTEU RENOERED FINISH     INSE FFI EOB DATHIALOE WALL BRICK COMPANY	CONCRETE SLAB ON GROUND
				<ul> <li>CONCRETE SLAB TO ENGINEERS DETAIL</li> </ul>
			ENGINEERS SLAB DESIGN L/OR BCA 3.3.1.8 FOR FULL HEIGHT     MASONRY ARTICLILATION INITEL OCATIONS	STEEL FRAMING REQUIREMENTS (WHERE APPLICABLE)
			ALL PARAPET WALLS TO BE PROVIDED WITH COLORBOND METAL	TOMM STEEL FRAME & TRUSSES REQUIRING THE ISSUE OF A SIGNED     COMMINICATE CONTINUE OF THE PUBLIC AT E CONTIN
CONDUICH 22		N 0 1000010	CAPPING/FLASHING (SOMM MIN LAP TO ALL JOINS WITH CONTINUOUS SILLICON SEAL BETWEEN & 3MAIL UNIV VERTICAL OVERHANG 1	
	-	I BRUNSDON & T.	•	•
FICUTE KURDETON COLING: 24, R	FREEDUM ALL	CURRAJONG	STRET OPEN	<ul> <li>ASAZS 1170.0 STRUCTURAL DESIGN ACTIONS: PART 0.GENERAL PRINCIPLES</li> </ul>
CANCE DUBLE	-	EVANS HEAD		٠
	BY METRICON	JOB NO: 697502 NET VER. JINE 2018	08 	ASNZS 4600 COLD-FORMED STEEL STRUCTURES
COVER FACE . INIED	Safe 20 Land 2 Research Place 258 Pittine Tom Owne Dive Retries 010 Tat 10 wen 2000 E. no man owne Dive	PERMIT No.	1	<ul> <li>AS4055 WIND LOADS FOR HOUSING</li> </ul>
	Marticon Homes CLD Pry Link to Internet under Pro CBCC Act 1981		_	<ul> <li>AS4100 STEEL STRUCTURES CODE</li> </ul>
SI NOLLAGY OF REPORT OF NOW TON IS	LIBEL LEAVE 40882 NEW BARN LIONNE 36654C	PRELIMINARY	-	<ul> <li>AS 3623 DOMESTIC METAL FRAMING</li> <li>AS 3664 SEI F DRULING SCREWS</li> </ul>
	Terrand II is to joining a sale	DATE: 13.09.18 SMX	IA of 9	AS SOORT SELF MALERY SUCCESS

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AHD BY GNSS Australian Height Datum (AHD) derived fron field observation using GNSS (Global Navigation Satellite System) equipment which NOTE may have limited and varied accuracy and may be unsuitable for some applications. Please contact our office for more information particularly in flood prone areas or areas with height restrictions

> **REGISTERED PLAN INFORMATION** The Registered Plan Information

was NOT Available from DNR & M at the time of completing the Detail - Site Survey

W VACANT W

POOL WITHIN SEWER HC -**REQUIRES BOS APPLICATION** & ENGINEERING

OUSE

isla

PLAN OPTIO

ACADE:

kalia

LEGEND OLP LIGHT POLE OPP POWER POLE ORIGINAL PEG OP TEMPORARY BENCH MARK A F FIRE HYDRANT Α AIR VALVE G GAS SUPPLY R ROOFWATER PIT WATER TAP/WATER/VALVE W 5 POWER BOX D PERMANENT SURVEY MARK ▲ SURVEY CONTROL MARK METER BOX GULLY GRATE  $\bigcirc$ SEWER MANHOLE (s)STORM WATER MANHOLE (S)- STORM WATER PIPE TELSTRA PIT Ρ SIGN (AS SHOWN) - CROSS-OVER ····· HEADWALL → EXISTING FENCE — TIMBER PALING FENCE -S- EXISTING SEWER LINE -sw- EXISTING STORM WATER LINE TOE BOTTOM OF BANK -- CUT/FILL LINE - STORM WATER DRAINAGE **EXISTING ROCK RETAINING WALL** EXISTING TIMBER RETAINING WALL ROCK RETAINING WALL TREES TO BE REMOVED DRIVEWAY GRATE PAVERS ON CONCRETE BASE **BROOM FINISHED CONCRETE** PROPOSED DRIVEWAY BY OWNER PROPOSED FUTURE POOL PROV.



	site plan	
N: <b>—</b>	SCALE 1:200	
	JOB NO: R0049	1/10

#### NOTE : DWELLING SUBJECT TO DEVELOPERS & LOCAL AUTHORITY ASSESSMENT

ENERGY EFFICIENCY TO COMPLY WITH BCA 3.12 WALL SISALATION TO ACHIEVE TOTAL R VALUE R 1.0 TO EXTERNAL

- TIMBER FRAMED BRICK VENEER WALLS (NOT BETWEEN H & G) R 1.5 INSULATION BATTS TO EXTERNAL WALLS (BRICK VENEER &
- LIGHTWEIGHT CLADDING) INSULATION BATTS TO ROOF SPACE TO ACHIEVE TOTAL R VALUE OF
- R 3.0 (INCLUDING GARAGE & ALFRESCO) ASSUMES MEDIUM COLOURS & DRAPES BY OWNER
- ALL SHOWER ROSES MINIMUM WELS 3 STAR RATING
- WATER SERVICE PRESSURE NOT TO EXCEED LEVELS IN AS 3500-2003
- DUAL FLUSH TOILET SYSTEMS WITH MINIMUM WELS 4 STAR RATING

230

5700

1770

3980

2050

0

33

33

6150

ALL LAUNDRY TUB, KITCHEN SINK & BATHROOM BASINS TAPWARE TO HAVE MINIMUM WELS 3 STAR RATING

630

4820

9

1450

845

350 150, 1

350 3t

590 450

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3970

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1450

1440

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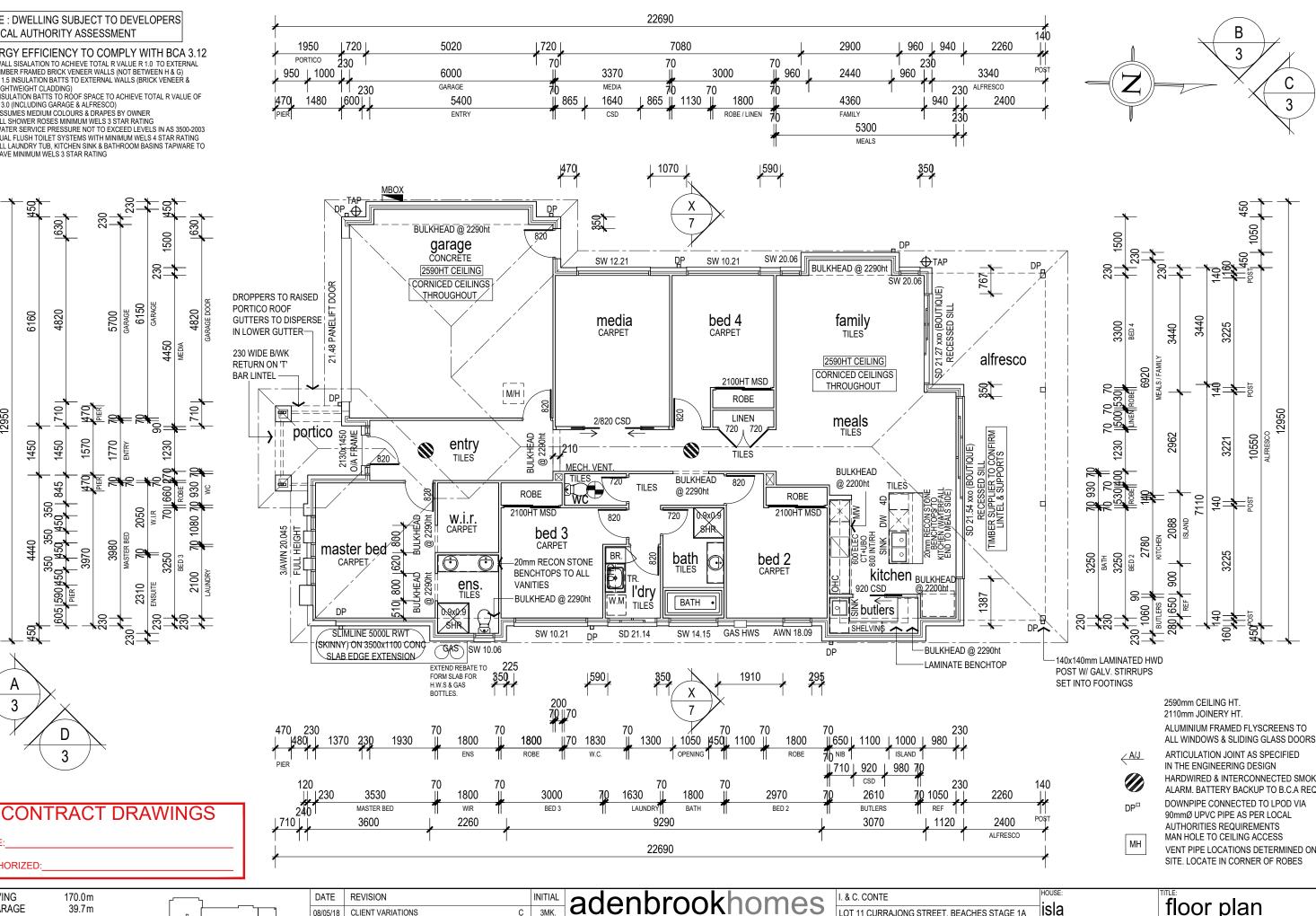
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PH. (07) 3028 9500

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08/05/18

07/06/18

25/11/18

03/12/18

06/12/18

CLIENT VARIATIONS

CONTRACT ISSUE (INCL. NHP#3+PTVR#2)

POOL + SHED LOCATIONS ADDED

ELECTRICAL LAYOUT AMENDED

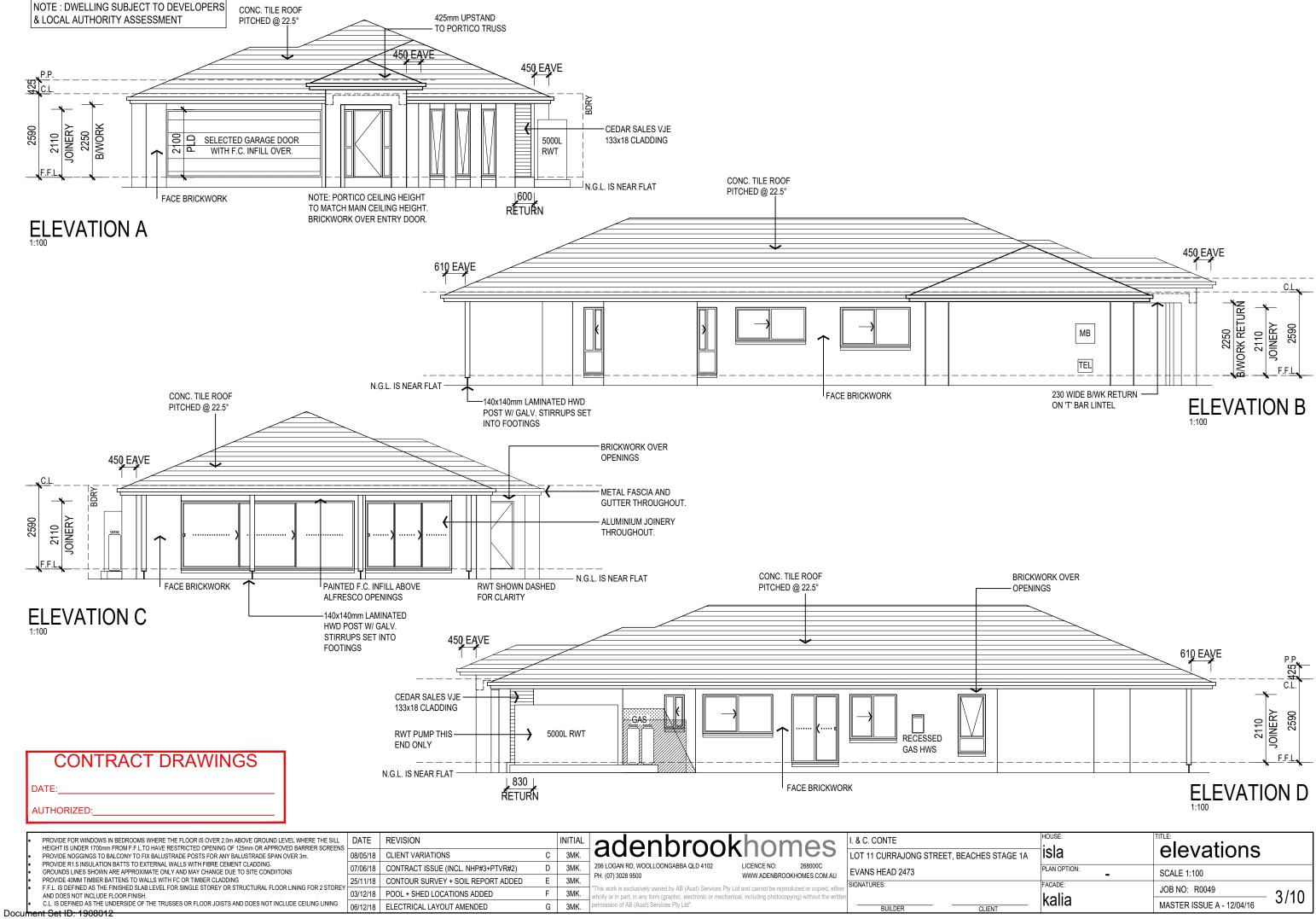
CONTOUR SURVEY + SOIL REPORT ADDED

Δ	LIVING	170.0m	_	
12			Г	
В	GARAGE	39.7 m		
С	ALFRESCO	30.3m		В
-				
יין	PORTICO	5.3m	[ď	
	GRAND TOTAL	245.3m	Ę	
	SUIMPES	26 /sa		

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Document Set ID. 190	0012	
Version: 1, Version Da	ate: 23/02/2024	

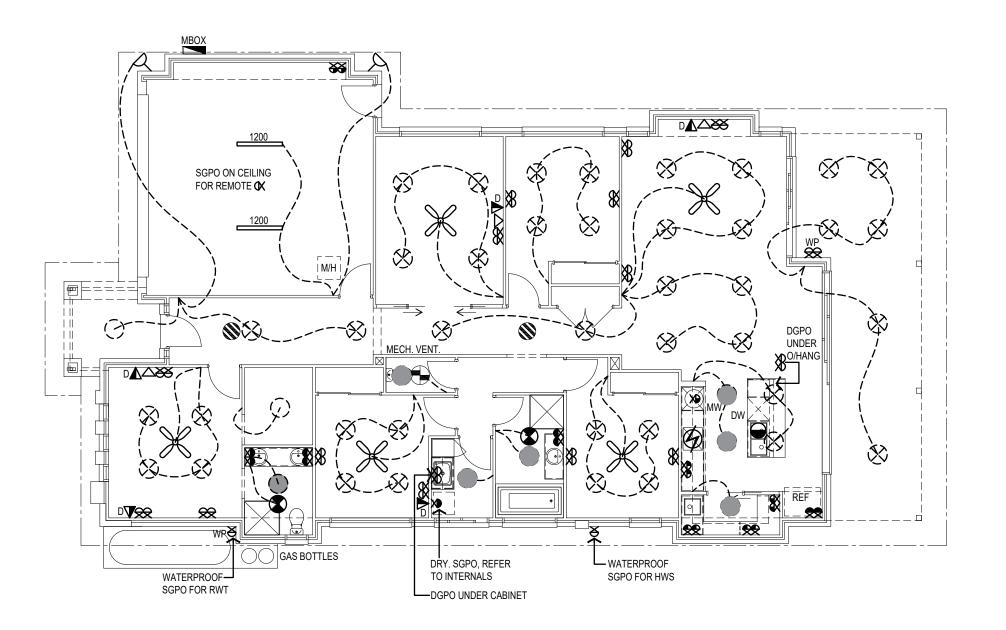
HARDWIRED & INTERCONNECTED SMOKE ALARM. BATTERY BACKUP TO B.C.A REQ. VENT PIPE LOCATIONS DETERMINED ON

I. & C. CONTE LOT 11 CURRAJONG STREET, BEACHES STAGE 1A	isla	floor plan
EVANS HEAD 2473	PLAN OPTION:	SCALE 1:100
SIGNATURES:	FACADE:	JOB NO: R0049 2/10
BUILDER CLIENT	kalia	MASTER ISSUE A - 12/04/16



Version: 1, Version Date: 23/02/2024

E 1A	HOUSE: Isla	elevations		
	PLAN OPTION:	SCALE 1:100		
	FACADE:	JOB NO: R0049	3/10	
	kalia	MASTER ISSUE A - 12/04/16	3/10	





DATE:

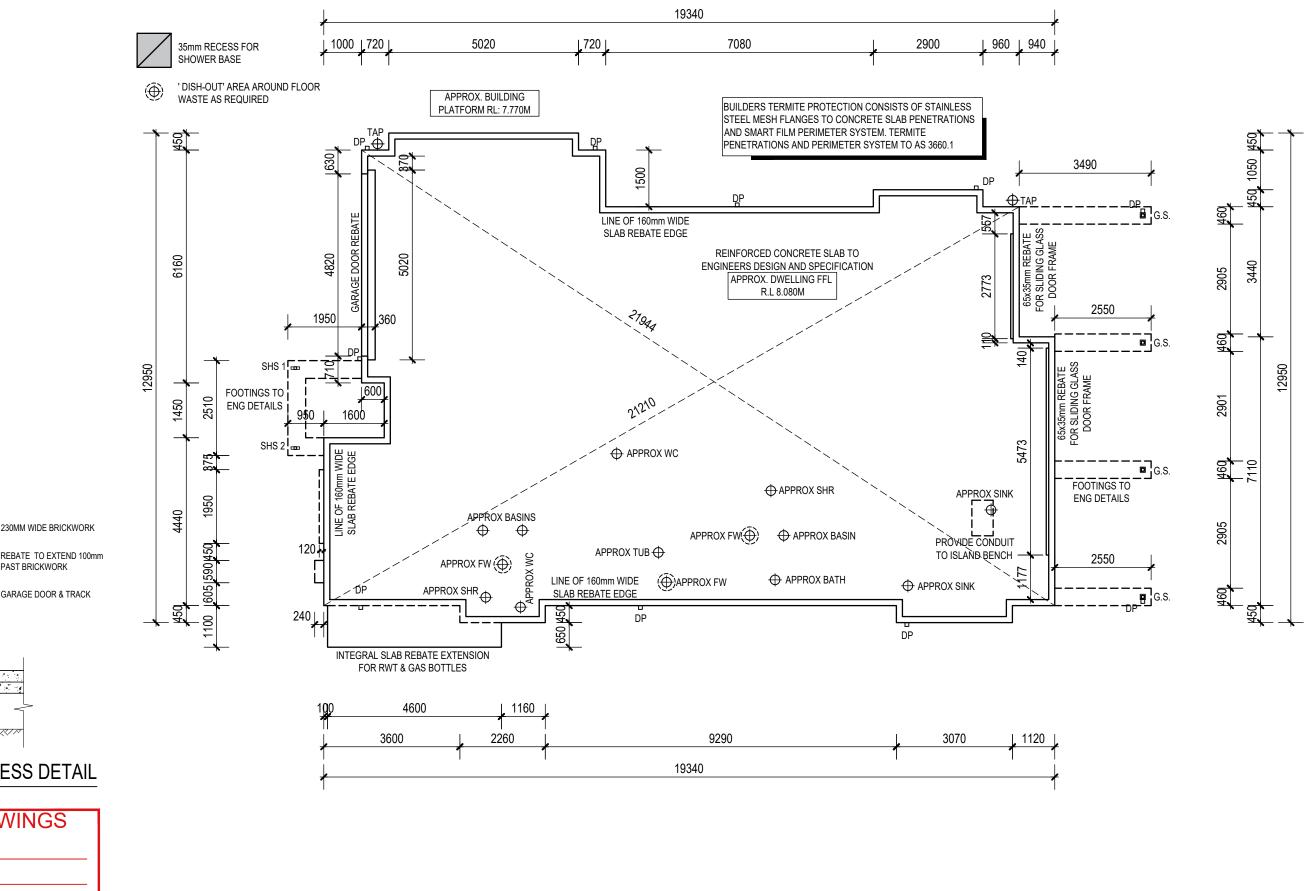
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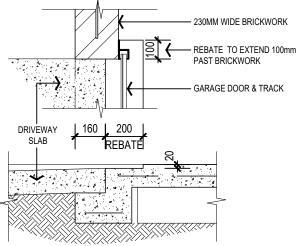
	DARD SWITCH HEIGHT IS 1400mm SLAB HEIGHT	DATE	REVISION		INITIAL	adenbrookhomes	I. & C. CONTE
	ART MP 4.1 SUSTAINABLE BUILDINGS - A MINIMUM OF 80% OF FIXED INTERNAL LIGHTING MUST BE ENERGY EFFICIENT	08/05/18	CLIENT VARIATIONS	С	3MK.	adendrooknomes	LOT 11 CURRAJONG STREET, BEACHES STAGE 1
	ING. A MAXIMUM OF 20% NON ENERGY EFFICIENT LIGHTING MAY	07/06/18	CONTRACT ISSUE (INCL. NHP#3+PTVR#2)	D	3MK.	206 LOGAN RD, WOOLLOONGABBA QLD 4102 LICENCE NO: 268000C	EVANS HEAD 2473
	STALLED TO DWELLING AS FEATURE LIGHTING	25/11/18	CONTOUR SURVEY + SOIL REPORT ADDED	Е	3MK.	PH. (07) 3028 9500 WWW.ADENBROOKHOMES.COM.AU	SIGNATURES
	GY EFFICIENT LIGHTING IS DEFINED AS A GLOBE WITH A UM OUTPUT OF 30 LUMENS/WATT	03/12/18	POOL + SHED LOCATIONS ADDED	F	3MK.	"This work is exclusively owned by AB (Aust) Services Pty Ltd and cannot be reproduced or copied, either wholly or in part, in any form (graphic, electronic or mechanical, including photocopying) without the writte	
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Document Set IL	. 1906012						

Version: 1, Version Date: 23/02/2024

ELECTRICAL LEGEND							
\$	SINGLE GPO - 300mm						
♠	SINGLE GPO - 1100mm						
	SINGLE GPO - 1350mm						
Abb	SINGLE GPO - EXTERNAL						
$\bigcirc$	SINGLE GPO - D/W						
	SINGLE GPO - MICROWAVE						
$\mathfrak{R}^{(S)}$	SINGLE GPO - SECURITY SYS.						
Ð	UBO,HP,RANGEHOOD CONNECTIONS						
$\approx$	DOUBLE GPO - 300mm						
**	DOUBLE GPO - 1100mm						
*	DOUBLE GPO - 1450mm						
$\bigtriangledown$	TELEVISION POINT						
Ś	CAPPED GAS POINT						
	SMOKE DETECTOR						
	METER BOX						
$^{PH} \mathbf{V}^{D}$	PHONE/DATA POINT						
	CEILING LIGHT BATTEN HOLDER						
$\boxtimes$	LOW VOLTAGE DOWNLIGHT						
×	50mm DOWNLIGHT						
$\langle \rangle$	DOWNLIGHT AS SPECIFED						
	EXTERNAL LIGHT POINT						
$\bigcirc$	CIRCULAR FLUORO						
00	HEATER/FAN LIGHT						
${\mathbb X}$	CEILING FAN						
X	CEILING FAN WITH LIGHT						
D–	FLOOD LIGHT AS SPECIFIED						
	SINGLE 1200 FLUORO						
1200	DOUBLE 1200 FLUORO						
$\bigcirc$	CEILING EXHAUST FAN SWITCHED WITH LIGHT						
	CEILING EXHAUST FAN						
JB	JUNCTION BOX						

E 1A	HOUSE:	electrical		
	PLAN OPTION:	SCALE 1:100		
	FACADE:	JOB NO: R0049	4/10	
	kalia	MASTER ISSUE A - 12/04/16	4/10	





### TYPICAL GARAGE RECESS DETAIL

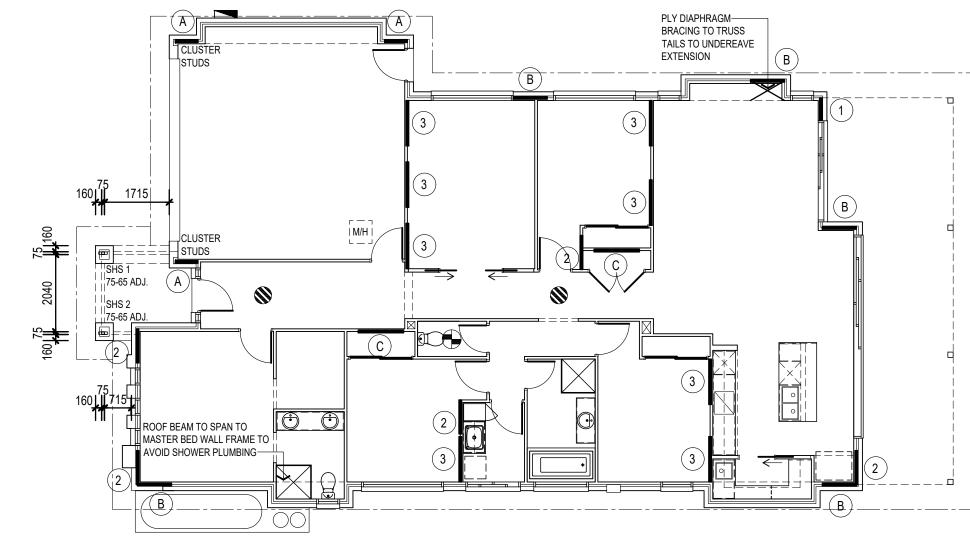
SCALE 1:20

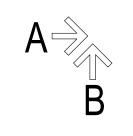
### CONTRACT DRAWINGS

DATE:

AUTHORIZED:

BUILDERS TERMITE PROTECTION CONSISTS OF STAINLESS STEEL MESH FLANGES TO CONCRETE SLAB PENETRATIONS AND A SMART FILM PERIMETER SYSTEM. TERMITE	DATE	REVISION	_	INITIA	adenbrook	homes	I. & C. CONTE	HOUSE:		slab plan	
	08/05/18	CLIENT VARIATIONS	С	3MK.			LOT 11 CURRAJONG STREET, BEACHES STAGE 1A	isia		Sido pidri	
PENETRATIONS AND PERIMETER SYSTEM TO AS 3660.1	07/06/18	CONTRACT ISSUE (INCL. NHP#3+PTVR#2)	D	3MK.		LICENCE NO: 268000C	EVANS HEAD 2473	PLAN OPTION:	_	SCALE 1:100	
	25/11/18	CONTOUR SURVEY + SOIL REPORT ADDED	E	3MK.	PH. (07) 3028 9500	WWW.ADENBROOKHOMES.COM.AU	SIGNATURES:	FACADE:	-	COALE 1.100	
	03/12/18	POOL + SHED LOCATIONS ADDED	F	3MK.	"This work is exclusively owned by AB (Aust) Services Pty Ltd wholly or in part, in any form (graphic, electronic or mechanica	and cannot be reproduced or copied, either al. including photocopying) without the written	SIGNATURES.			JOB NO: R0049	5/10
cu <del>ment Set ID: 1908012</del>	06/12/18	ELECTRICAL LAYOUT AMENDED	G	3MK.	permission of AB (Aust) Services Pty Ltd".	, 51 17 5/	BUILDER CLIENT	kalia		MASTER ISSUE A - ##/##/##	5/10





# **BRACING SCHEDULE - N3**

BRACING DIRECTION A REQUIRED = 33.0kN										
WALL	TYPE	RESISTANCE (kN)	QTY	TOTAL						
A	STRUCTURAL PLY 600mm	3.6	3	10.80						
В	STRUCTURAL PLY 900mm	5.4	5	27.00						
С	STRUCTURAL PLY 1200mm	7.2	2	14.40						
		TOTAL	RESISTANCE	52.20						

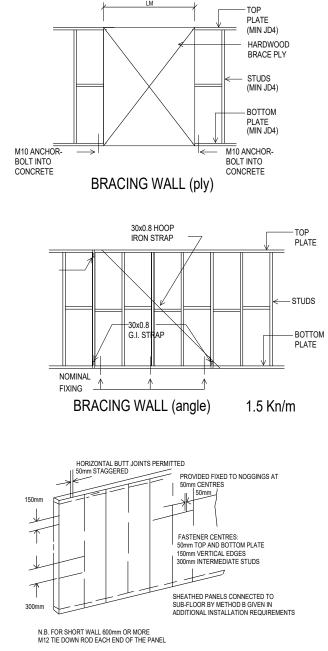
BRACING DIRECTION B REQUIRED = 77.4kN											
WALL	TYPE	RESISTANCE (kN)	QTY	TOTAL							
1	STRUCTURAL PLY 600mm	3.6	1	3.60							
2	STRUCTURAL PLY 900mm	5.4	4	21.60							
3	STRUCTURAL PLY 1200mm	7.2	8	57.60							
		TOTAL	RESISTANCE	82.80							

# CONTRACT DRAWINGS

DATE:\_\_

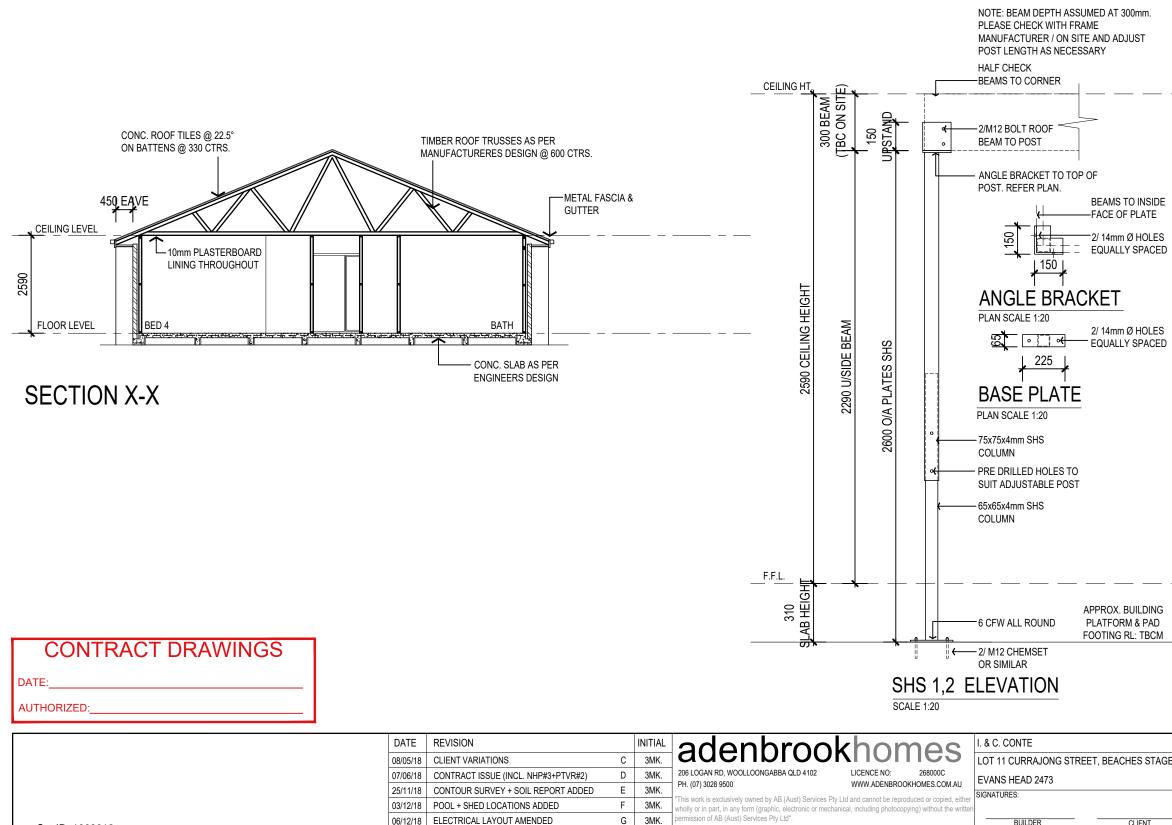
AUTHORIZED:

NOTE: BEAM AND LINTEL SIZES TO BE AS PER FRAME MANUFACTURERS	DATE	REVISION		INITIAL	adenbrookhomes	I. & C. CONTE	HOUSE:		
SPECIFICATIONS. DETAILS TO BE PROVIDED TO INSPECTOR PRIOR TO	08/05/18	CLIENT VARIATIONS	С	3MK.	adenbrooknomes	LOT 11 CURRAJONG STREET, BEACHES STAGE 1A	Isla		bracing plan
CARRYING OUT FRAME INSPECTIONS.	07/06/18	CONTRACT ISSUE (INCL. NHP#3+PTVR#2)	D	3MK.	206 LOGAN RD, WOOLLOONGABBA QLD 4102 LICENCE NO: 268000C	EVANS HEAD 2473	PLAN OPTION:		SCALE 1:100
	25/11/18	CONTOUR SURVEY + SOIL REPORT ADDED	Е	3MK.	PH. (07) 3028 9500 WWW.ADENBROOKHOMES.COM.AU	SIGNATURES:	FACADE:	-	
	03/12/18	POOL + SHED LOCATIONS ADDED	F	3MK.	This work is exclusively owned by AB (Aust) Services Pty Ltd and cannot be reproduced or copied, eith wholly or in part, in any form (graphic, electronic or mechanical, including photocopying) without the write	tten			JOB NO: R0049 6/10
ument Set ID: 1908012	06/12/18	ELECTRICAL LAYOUT AMENDED	G	3MK.	permission of AB (Aust) Services Pty Ltd".	BUILDER CLIENT	kalia		MASTER ISSUE A - 12/04/16



NAILING DETAIL TYPE (ply)

6.0 Kn/m



G 3MK.

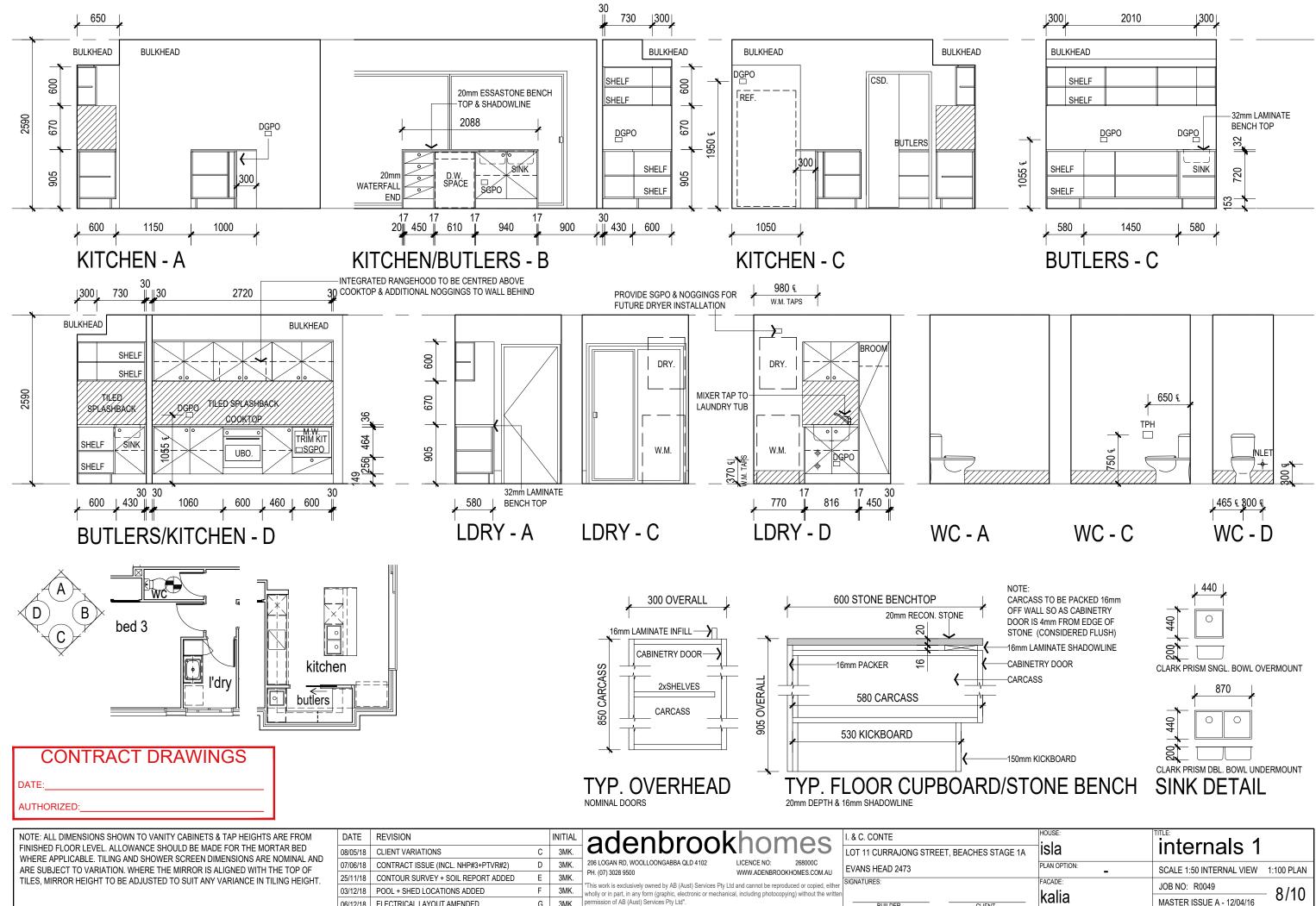
06/12/18 ELECTRICAL LAYOUT AMENDED

#### Document Set ID: 1908012 Version: 1, Version Date: 23/02/2024

iE 1A	HOUSE: isla	details	
	PLAN OPTION:	SCALE AS SHOWN	
	FACADE:	JOB NO: R0049	7/10
	kalia	MASTER ISSUE A - 12/04/16	7710

BUILDER

CLIENT



Document Set ID: 1908012

Version: 1, Version Date: 23/02/2024

06/12/18

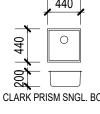
ELECTRICAL LAYOUT AMENDED

G 3MK.

	isla internals 1							
PLAN OPTION:	SCALE 1:50 INTERNAL VIEW	1:100 PLAN						
FACADE:	JOB NO: R0049	- 8/10						
kalia	MASTER ISSUE A - 12/04/16	- 0/IU						

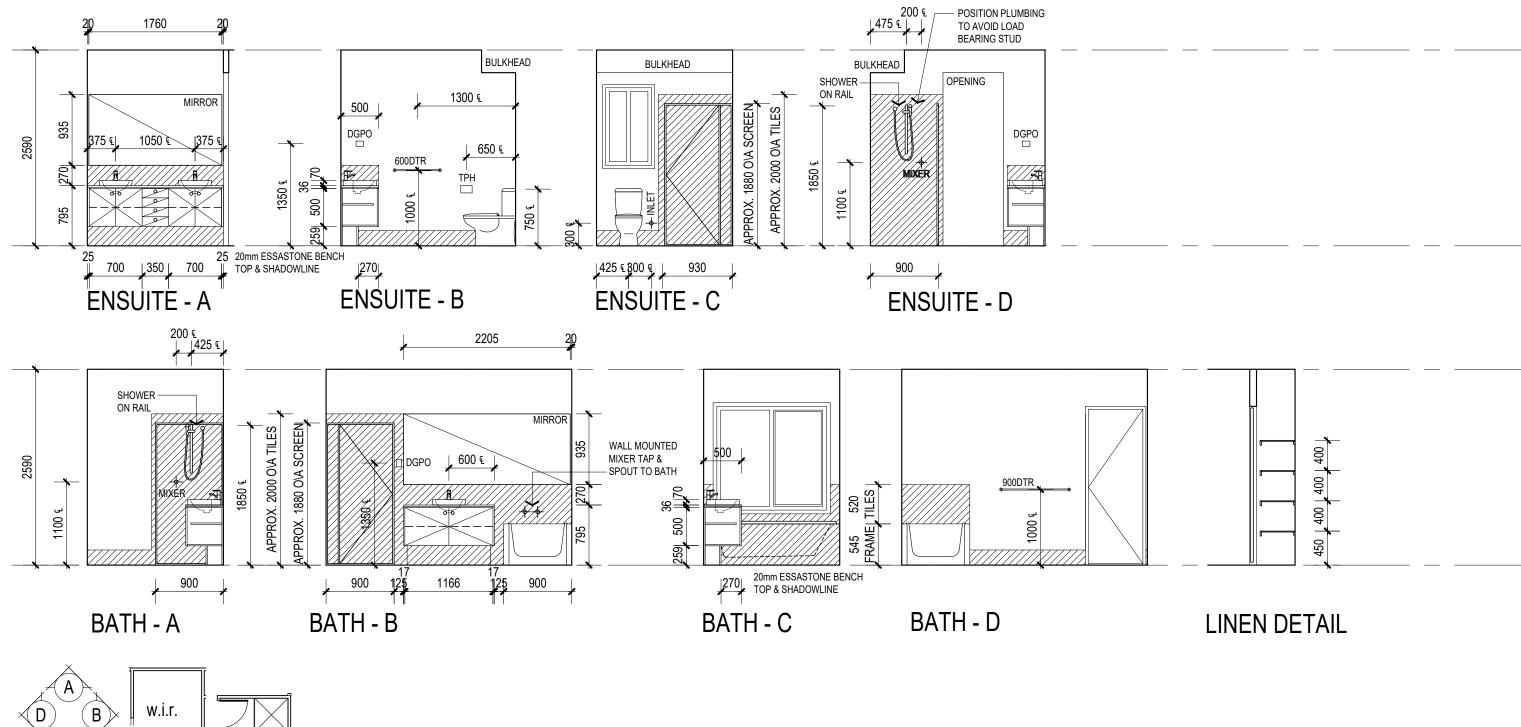
CLIENT

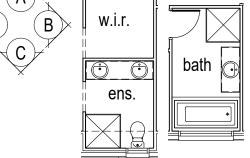
BUILDER





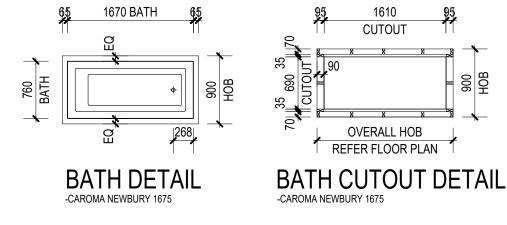




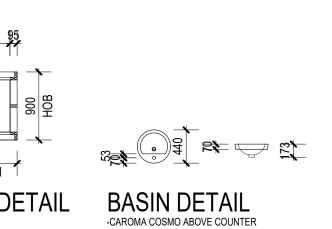


**CONTRACT DRAWINGS** DATE: AUTHORIZED:

NOTE: ALL DIMENSIONS SHOWN TO FINISHED FLOOR LEVEL. ALLOWAN WHERE APPLICABLE. TILING AND ARE SUBJECT TO VARIATION. WHE TILES, MIRROR HEIGHT TO BE ADJ



ADJUSTED TO SUIT ANY VARIANCE IN TILING HEIGHT. 25/11/18 CONTOUR SURVEY + SOIL REPORT ADDED E 3MK. This work is exclusively owned by AB (Auct) Services Ptv Ltd and cannot be reproduced or copied either	ND SHOWER SCREEN DIMENSIONS ARE NOMINAL AND WHERE THE MIRROR IS ALIGNED WITH THE TOP OF ADJUSTED TO SUIT ANY VARIANCE IN TILING HEIGHT.	07/06/18 25/11/18 03/12/18	POOL + SHED LOCATIONS ADDED	C D E F G	3MK. 3MK. 3MK.	wholly or in part, in any form (graphic, electronic or mechanical, including photocopying) without the written	n	FACADE:	<u> </u>
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# **BASIX REQUIREMENTS**

#### WATER REQUIREMENTS

#### Landscape:

- Total Area of Garden and Lawn 100 m<sup>2</sup>
- Area of Indigenous Species or Low Water Use Species (as per basix)m<sup>2</sup> Fixtures:
- Showerhead Rating must be a min. 3 Star Energy Efficiency Rating to all showers
   Toilet Rating must be a min. 4 Star Energy Efficiency Rating to all toilets
- Kitchen Taps Rating must be a min. 3 Star Energy Efficiency Rating
- Bathroom Basin Taps Rating must be a min. 3 Star Energy Efficiency Rating

Alternative Water:

 Alternative Water Supply: All toilets connected to alternative reticulated recycled water supply Outdoor Tap (minimum one) connected to alternative reticulated recycled water supply

#### THERMAL REQUIREMENTS

- Refer to BASIX report for window glazing requirements
- Eaves to project at least 600mm (including gutter)
- Wall sisalation to be installed to external walls to achieve minimum total R value R 1.0 to external timber framed walls (not
- between house & garage). R 1.5 batts to be installed to external walls to achieve minimum total R value R 1.0 to external timber framed walls.
- Insulation batts to roof space with a total minimum R value of R 3.0 (excluding garage & alfresco)

#### ENERGY REQUIREMENTS

#### Hot Water:

- Hot Water System: Instantaneous Gas Heating and Cooling:
- The Living areas and bedrooms DO NOT incorporate a reverse cycle cooling / heating system Ventilation: Bathroom exhaust system: individual fan, not ducted. Operational Control manual Off/On switch
- Kitchen exhaust system individual fan, not ducted. Operational Control manual Off/On switch
- Laundry exhaust system: Natural Ventilation only. Operational Control N/A Artificial Lighting:
- Following rooms must have Fluorescent or LED as there "primary type of artificial Lighting": 4 x Bedrooms and 2 living/dining areas
- Following rooms only capable of accepting Fluorescent or LED Lighting:
- 4 x Bedrooms and 2 living/dining areas

Natural Lighting:

- There must be a window and/or skylight installed in the kitchen for natural lighting (borrowed from family / meals)
   The 2 bathroom(s)/toilet(s) must have a window and/or skylight for natural lighting.
- Other:
- The applicant proposes to install an electrical cooktop & electrical oven in the kitchen
- The refrigerator space in the development must be constructed so that it is "well ventilated", as defined in the BASIX definitions.

FIRE RATING

BAL: TO BE CONFIRMED UPON RECEIPT OF ASSESSMENT

## N3 TIE-DOWN SCHEDULE

JOINT GROUPJD5ULW7500 max.ROOF SHEETINGCONCRETE TILETRUSS SPACING600BATTEN SPACING330Batten to TrussAs per manufacturers specificationsTruss to Top PlateTwo framing anchor with 4/2.8mm dia. nails each leg.Plates to StudsAT 900 ctrs 30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end.Btm Plate to Slab1/M10 bolt to ends of openings and a 1200 centres.Lintel to Jamb Stud30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrsRefer AS 1684.2 Timber Framing Manual for more detail.		
ROOF SHEETING       CONCRETE TILE         TRUSS SPACING       600         BATTEN SPACING       330         Batten to Truss       As per manufacturers specifications         Truss to Top Plate       Two framing anchor with 4/2.8mm dia. nails each leg.         Plates to Studs       AT 900 ctrs 30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end.         Btm Plate to Slab       1/M10 bolt to ends of openings and a 1200 centres.         Lintel to Jamb Stud       30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	JOINT GROUP	JD5
TRUSS SPACING       600         BATTEN SPACING       330         Batten to Truss       As per manufacturers specifications         Truss to Top Plate       Two framing anchor with 4/2.8mm dia. nails each leg.         Plates to Studs       AT 900 ctrs 30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end.         Btm Plate to Slab       1/M10 bolt to ends of openings and a 1200 centres.         Lintel to Jamb Stud       30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	ULW	7500 max.
BATTEN SPACING       330         Batten to Truss       As per manufacturers specifications         Truss to Top Plate       Two framing anchor with 4/2.8mm dia. nails each leg.         Plates to Studs       AT 900 ctrs 30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end.         Btm Plate to Slab       1/M10 bolt to ends of openings and a 1200 centres.         Lintel to Jamb Stud       30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	ROOF SHEETING	CONCRETE TILE
Batten to Truss       As per manufacturers specifications         Truss to Top Plate       Two framing anchor with 4/2.8mm dia. nails each leg.         Plates to Studs       AT 900 ctrs 30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end.         Btm Plate to Slab       1/M10 bolt to ends of openings and a 1200 centres.         Lintel to Jamb Stud       30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	TRUSS SPACING	600
Truss to Top Plate      Two framing anchor with 4/2.8mm dia. nails each leg.         Plates to Studs      AT 900 ctrs 30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end.         Btm Plate to Slab      1/M10 bolt to ends of openings and a 1200 centres.         Lintel to Jamb Stud      30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	BATTEN SPACING	330
dia. nails each leg. Plates to Studs AT 900 ctrs 30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end. Btm Plate to Slab1/M10 bolt to ends of openings and a 1200 centres. Lintel to Jamb Stud30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	Batten to Truss	_As per manufacturers specifications
30x0.8mm G.I.Strap with 6/2.8mm dia. nails each end. Btm Plate to Slab1/M10 bolt to ends of openings and a 1200 centres. Lintel to Jamb Stud30x0.8mm G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	Truss to Top Plate	
1200 centres. Lintel to Jamb Stud <u>30x0.8mm</u> G.I.Strap with 4/2.8mm dia.nails each end at 1200 max ctrs	Plates to Studs	30x0.8mm G.I.Strap with 6/2.8mm
dia.nails each end at 1200 max ctrs	Btm Plate to Slab	
Refer AS 1684.2 Timber Framing Manual for more detail.	Lintel to Jamb Stud	
	Refer AS 1684.2 Timber	Framing Manual for more detail.

# BRICK LINTEL TABLE

SPAN NOT EXCEEDING	LINTEL SIZE
1.0m clear span	75x10mm Flat Bar
1.5m clear span	100x75x8 Angle
2.4m clear span	125x75x10 Angle
3.0m clear span	150x100x10 Angle
3.6m clear span	150x100x10 Angle
4.2m clear span	150x100x12 Angle

TIE DOWN REQUIREMENTS SHOWN IN TABLE ARE CALCULATED ON MAXIMUM UPLIFT LOAD WIDTH. FRAME/TRUSS MANUFACTURERS SPECIFICATIONS WILL TAKE PRECEDENCE WHERE THEY DIFFER FROM TIE DOWN TABLE.

### TIMBER FRAMING SCHEDULE

RLW	6500 max.
ROOF PITCH	25°
Roof Battens	_Timber/Metal battens @ 330 centres
Roof Trusses	Engineer designed and fixed at 600 crs in accordance with manufacturers specifications.
Lintels, Verandah plates and posts etc.	_As per manufacturers specifications.
EXTERNAL WALLS & IN MGP 10/12 (LOAD DE	TERNAL LOAD BEARING WALLS PENDANT)
Top Plate	_2/35x70 Ribbon Plate
Studs	
Nogging	_70x35 One row
Btm Plate	_35x70 Continuously supported on slab
INTERNAL PARTITION W MGP 10 U.N.O.	ALLS
Top Plate	35x70
Studs	_70x35 at 600 crs
Nogging	_70x35 One row.
Btm Plate	_35x70 Continuously supported on slab
Member sizes calculat software version 1.2	ed using 'Timber Solutions'

### STUDS AT SIDES OF OPENINGS

OPENING WIDTH	900	1200	1500	1800	2100	2400	2700	3000
No. OF STUDS REQUIRED	1	1	2	2	2	2	3	3

## STUDS AT SPECIAL TRUSSES

No. of studs required under Girder Truss Point Load	3
No. of studs required under Truncated Girder Truss Point Load	2

### **CONTRACT DRAWINGS**

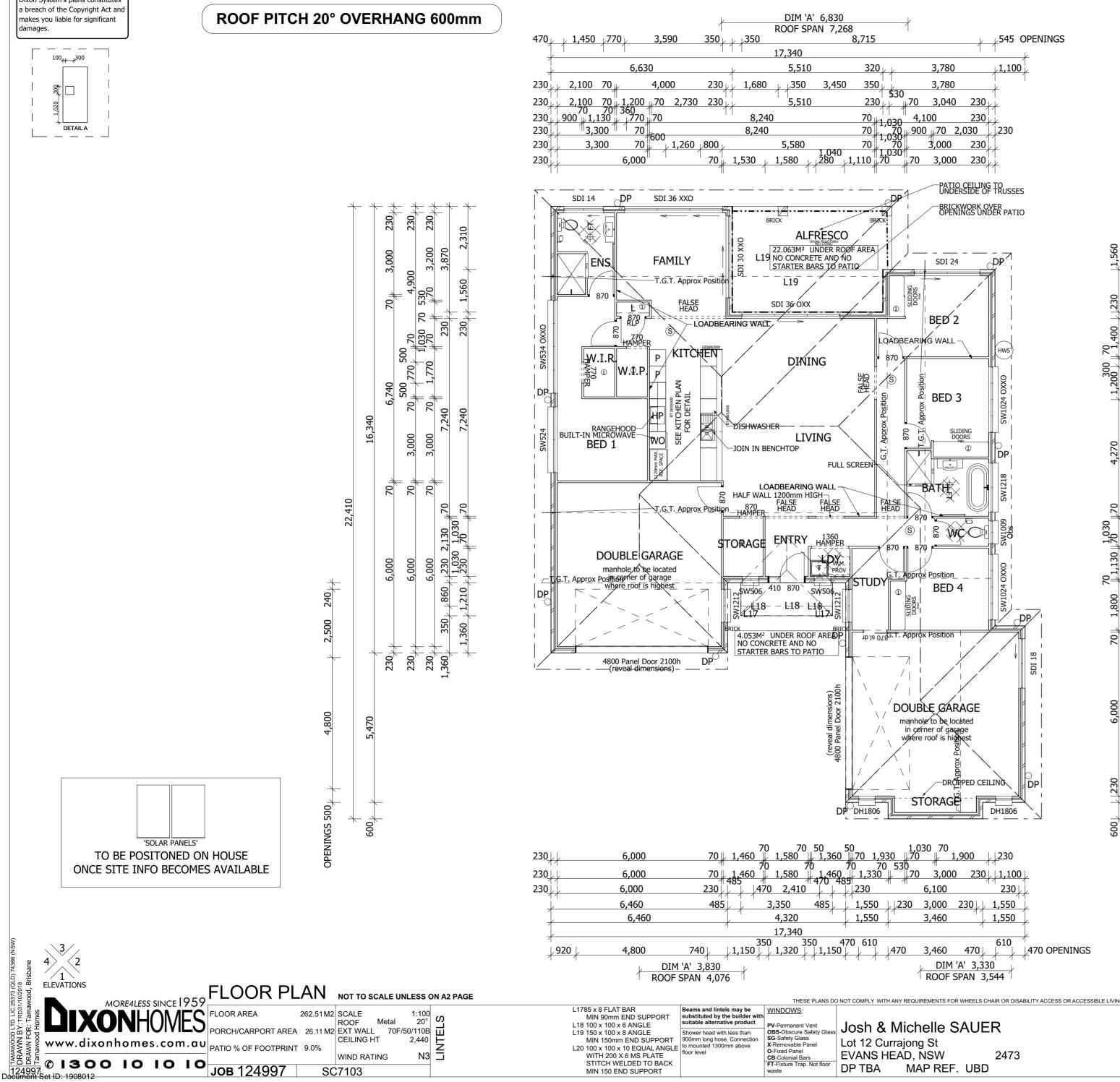
DATE:

AUTHORIZED:

	REVISION CLIENT VARIATIONS C	INITIAL 3MK.	adenbrookhomes	I. & C. CONTE LOT 11 CURRAJONG STREET, BEACHES STAGE 1A	HOUSE:	basix/tie-down
	CONTRACT ISSUE (INCL. NHP#3+PTVR#2) D	3MK.	206 LOGAN RD, WOOLLOONGABBA QLD 4102         LICENCE NO: 268000C           PH. (07) 3028 9500         WWW.ADENBROOKHOMES.COM.AU	EVANS HEAD 2473	PLAN OPTION:	SCALE N/A
	CONTOUR SURVEY + SOIL REPORT ADDED E POOL + SHED LOCATIONS ADDED F	3MK. 3MK.	"This work is exclusively owned by AB (Aust) Services Pty Ltd and cannot be reproduced or copied, either wholly or in part, in any form (graphic, electronic or mechanical, including photocopying) without the writter	SIGNATURES:	FACADE:	JOB NO: R0049 10/10
06/12/18	ELECTRICAL LAYOUT AMENDED G	3MK.	permission of AB (Aust) Services Pty Ltd".	BUILDER CLIENT	kalia	MASTER ISSUE A - ##/##/##



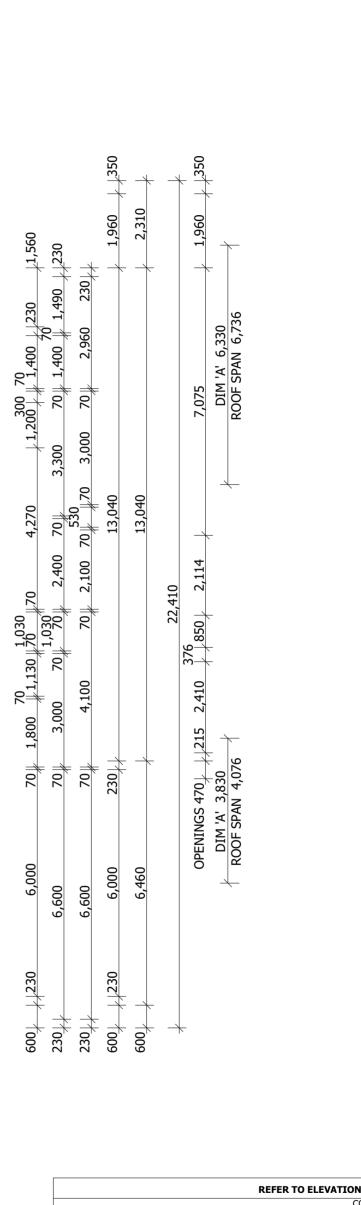
Unauthorised use of these Dixon System's plans constitutes a breach of the Copyright Act and makes you liable for significant damages.



Version: 1, Version Date: 23/02/2024



#### bm0uhxdgdw

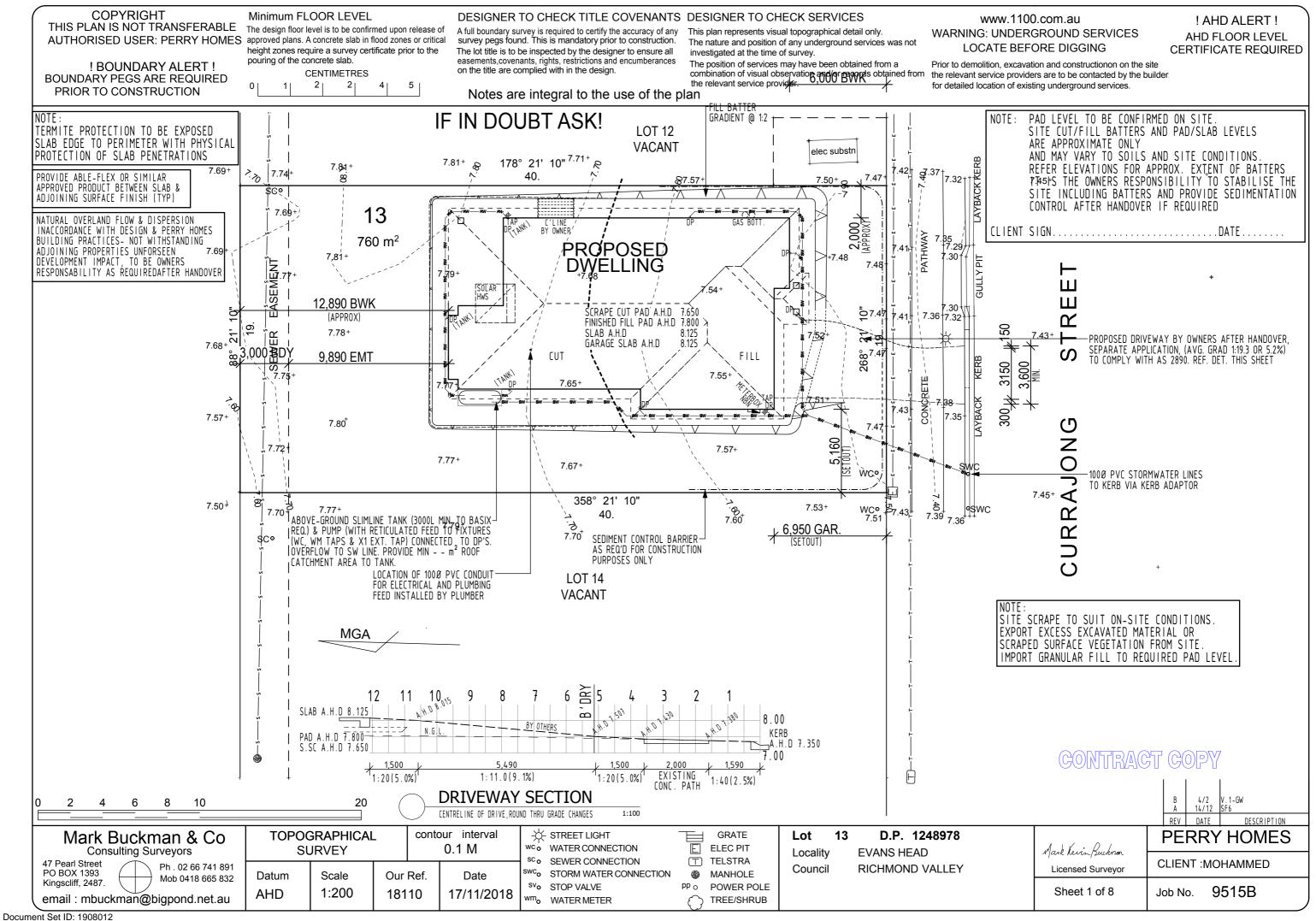


STEEL FRAME AND ROOF

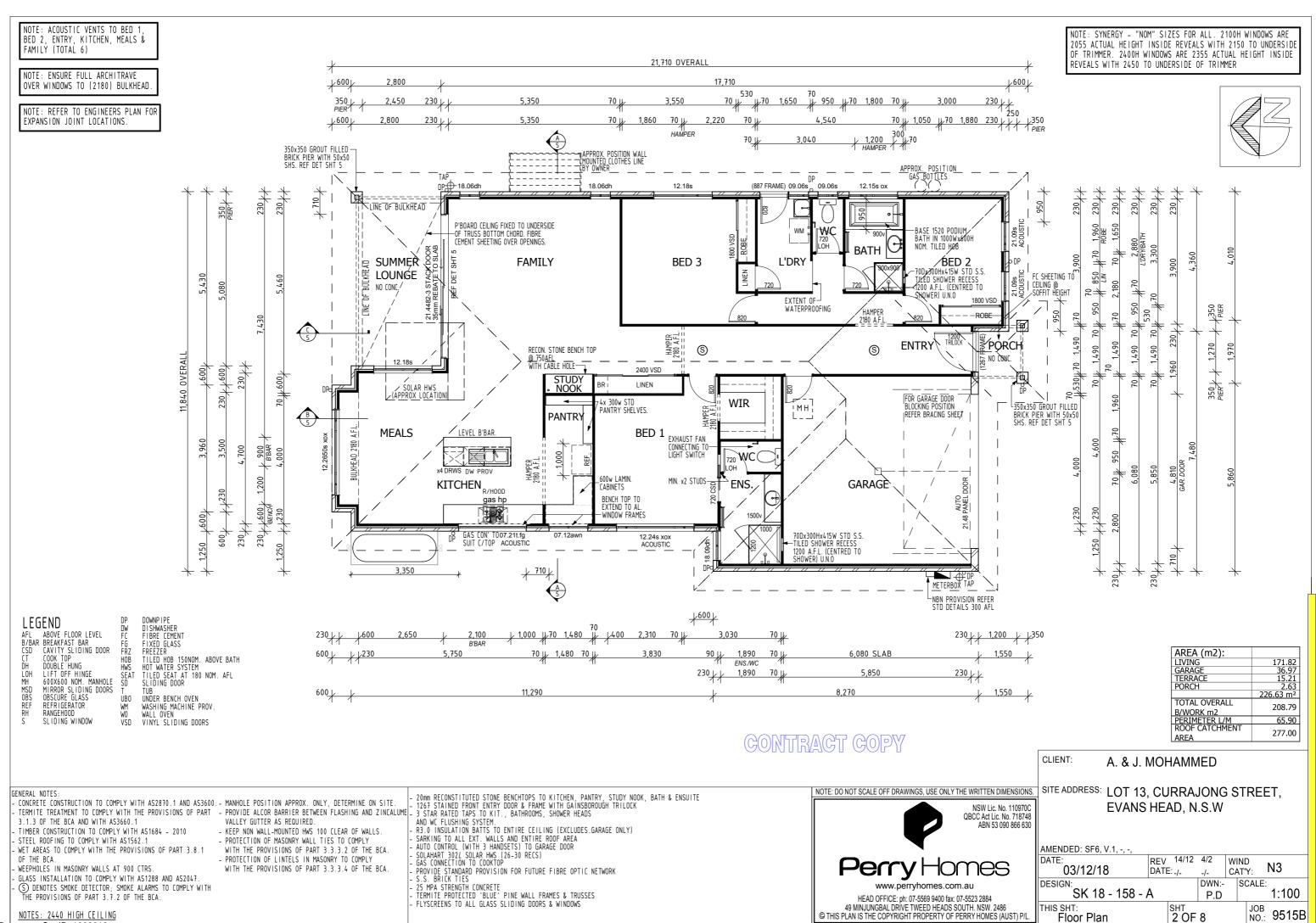
**SPECIFICATIONS** 

**TRUSSES AS PER ENGINEER** 

	REFER TO ELEVATIONS FOR ALL CONSTRUCTION NO	TES
	COMPLIANCE INDEMNITY	
	d the dwelling are not subject to Town Planning conditions and/or covenants which r s the builder and designer against any loss however sustained due to the failure to e	
Owner/s:	Witness:	Date://
	COVENANT APPROVAL	
Developer/Agent:	Estate:	
Signature:	Witness:	Date://
Only sign if 100% correct. If not	correct please contact your consultant.	
CLIENT:	DATE:	
CLIENT:		
BUILDER:	DATE:	
NOT TO BE MOI	DIFIED WITHOUT WRITTEN AUTHORITY	1249

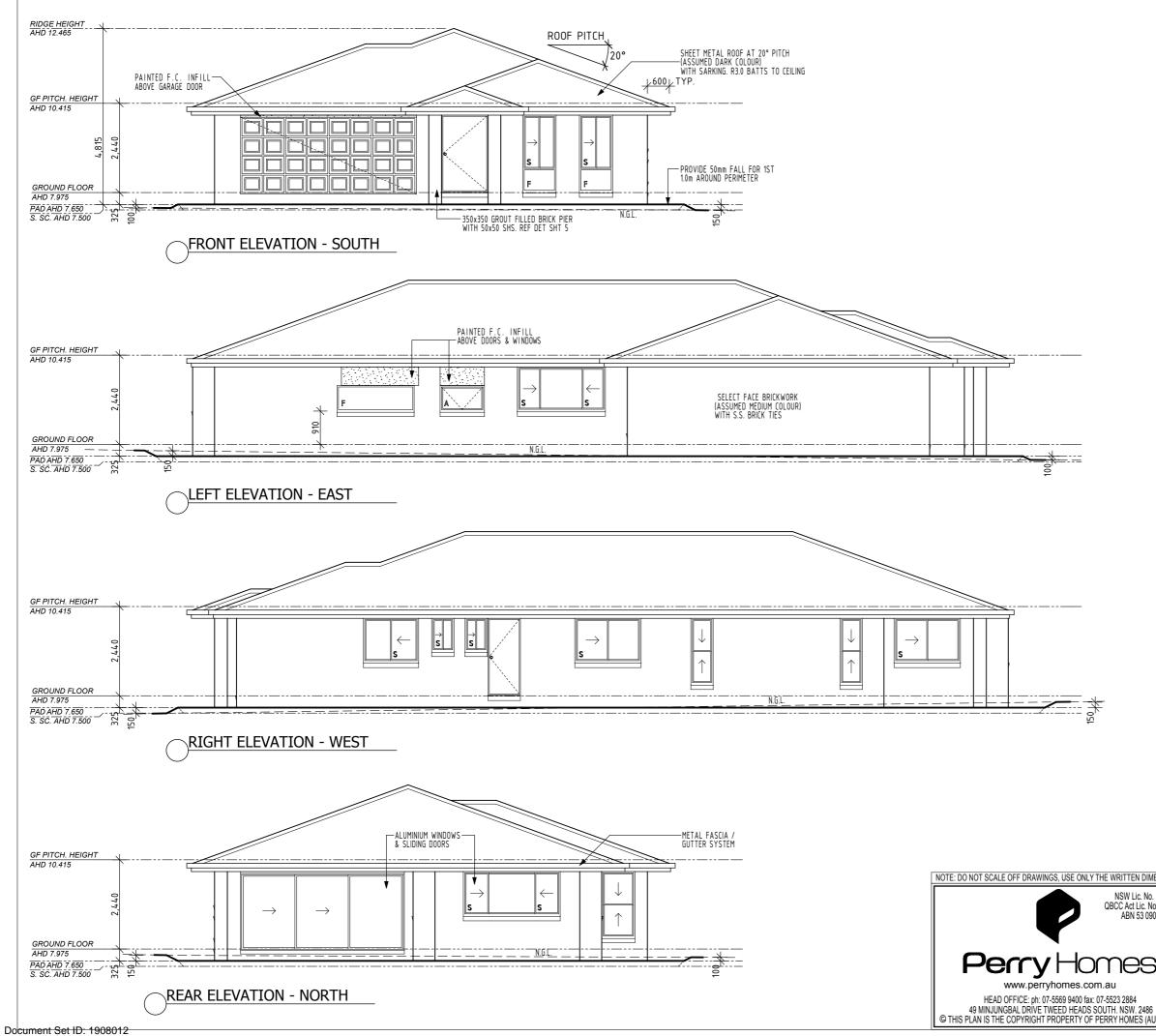


Version: 1, Version Date: 23/02/2024



#### Document Set ID: 1908012 Version: 1, Version Date: 23/02/2024

	AMENDED: SF6, V.1, -, -,						
	DATE: 03/12/18	REV DATE	14/12 =:_/-	4/2 -/-	WINI CAT		N3
	DESIGN: SK 18 - 158 - A				S	CALE:	1:100
ST) P/L.	THIS SHT: Floor Plan		SHT 2 OF	8		JOB NO.:	9515B

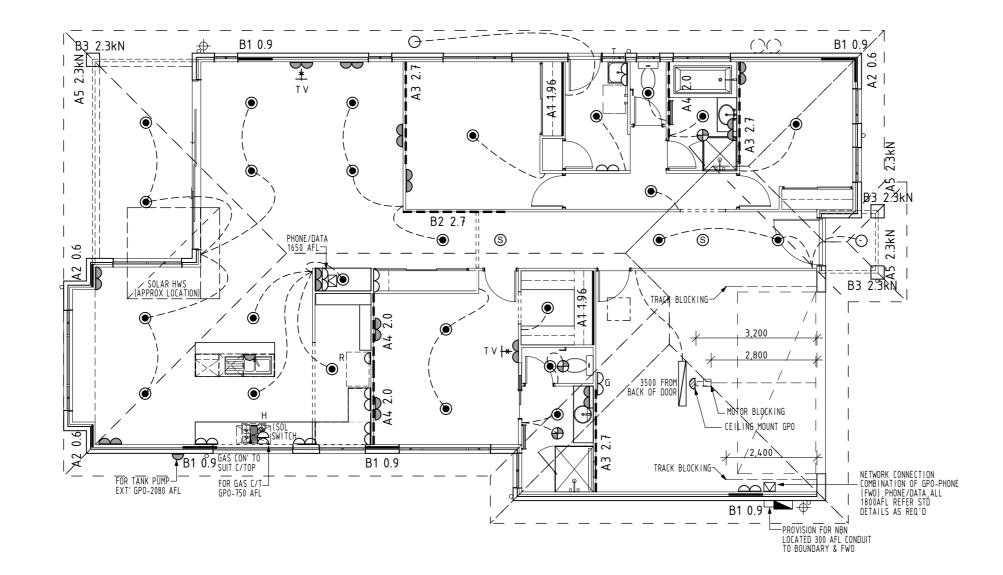


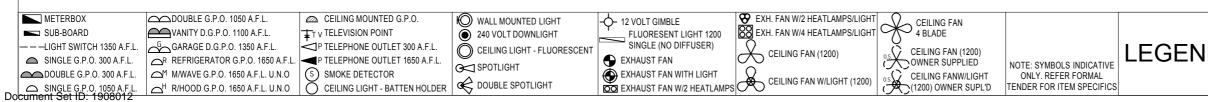
Version: 1, Version Date: 23/02/2024

GENERAL NOTES:

- CONCRETE CONSTRUCTION TO COMPLY WITH AS2870.1 AND AS3600. - TERMITE TREATMENT TO COMPLY WITH THE PROVISIONS OF PART
- 3.1.3 OF THE BCA AND WITH AS3660.1
- TIMBER CONSTRUCTION TO COMPLY WITH AS1684 2010
- STEEL ROOFING TO COMPLY WITH AS1562.1 - WET AREAS TO COMPLY WITH CLAUSE F1.7 OF THE BCA.
- WEI AREAS TO COMPLET WITH CLAUSE FI.7 OF THE - WEEPHOLES IN MASONRY WALLS AT 900 CTRS.
- STEEL ROOF FIXED IN ACCORDANCE WITH THE
- MANUFACTURER'S SPECIFICATIONS FOR N3 CONDITIONS.
- PROVIDE ALCOR BARRIER BETWEEN LEAD FLASHING AND ZINCALUME VALLEY GUTTER AS REQUIRED.
- VERTICAL ARTICULATION JOINTS TO COMPLY WITH THE PROVISIONS OF PART 3.3.1.8 OF THE BCA.

	CLIENT: A.	& J. MO	HAMM	1ED			
IENSIONS. 110970C Io. 718748 IO 866 630	SITE ADDRESS: LC EV	)T 13, CL (ANS HE			ST	REE	ΞT,
3	AMENDED: SF6, V.1, DATE: 03/12/18	-, -, REV DAT		1.	VINE CAT'		N3
	DESIGN: SK 18 - 1	58 - A		DWN:- P.D	S	CALE:	1:100
) UST) P/L.	THIS SHT: Elevations		SHT 3 OF	8		JOB NO.:	9515B





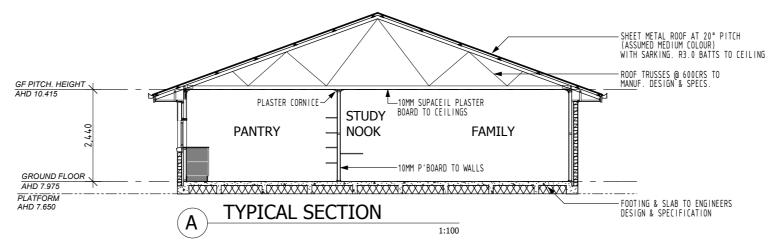
		V	VIND BI	RACII	NG - N3	,
	PANEL	NO.OFF	OS'BRACE 6.0 KN/M TYPE 3 OS'BRACE2.2 KN/M(TYPE 4) SHORTWALL	METAL ANGLE BRACE 1.5KN/M	350 X 350 BRICK PIER M12 ROD w-GROUT or B/WORK PANEL	SUB TOTAL AND TOTAL
	A1	2	11.76			23.52
	A2	3	1.32			3.96
DIRECTION A	A3	3		4.05		12.15
CTIC	E A4 3			3.00		12.00
A5		3			2.30	6.90
4	7	RES	ISTANCE GAINE	58.53kN		
<	RESISTANCE REQUIRED					56.21kN
	B1	5	5.40			27.00
	B2	1		4.05		4.05
N B	B3	3			2.30	6.90
DIRECTION						
DIRE						
	~	RES	ISTANCE GAINE	D	1	37.95kN
15_						

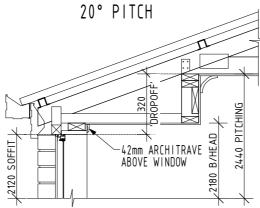
NOTE: - 240V ENERGY EFFICIENT INTERNAL LIGHT FITTINGS THROUGHOUT - 250mm EXHAUST FANS TO BATH, ENSUITE & ENS WC - ENS WC EXHAUST FAN CONNECTED TO LIGHT SWITCH

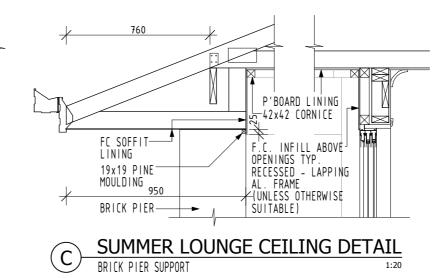
	NOTE: DO NOT SCALE OFF DRAWINGS, USE ONLY THE WRITTEN DIMENSIONS.										
	NSW Lic. No. 110970C QBCC Act Lic. No. 718748 ABN 53 090 866 630										
	Perry Homes www.perryhomes.com.au										
	HEAD OFFICE ph: 07-5569 9400 fax: 07-5523 2884 49 MINJUNGBAL DRIVE TWEED HEADS SOUTH. NSW. 2486 © THIS PLAN IS THE COPYRIGHT PROPERTY OF PERRY HOMES (AUST) P/L.										
	CLIENT: A. & J. MOHAMMED										
	SITE ADDRESS: LOT 13, CURRAJONG STREET, EVANS HEAD, N.S.W										
	AMENDED: SF6, V.1, -, -,										
	DATE: REV 14/12 4/2 DATE: _//_ WIND CAT'Y: N3										
D	DESIGN: SK 18 - 158 - A P.D SCALE: P.D 1:100										
	THIS SHT:SHTElectrical & BracingSHT4 OF 8NO.:9515B										

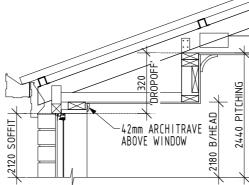
(TP2) 150 -120Hx50Wx150L ALLGAL ANGLE 6 5 2  $\oplus$ 50/45/ 120 -2/14mm HOLES 1 14mm HOLE -50x50x4.0x2000 LONG ALLGAL SHS um&maximum overlap +100 >2/14mm HOLES PRE-DRILLED IN 50 SHS (HOLES TO 40 SHS TO BE DRILLED ON SITE TO SUIT) SHS O/LAP 500mm-1750mm  $\rightarrow$ 100 40x40x2.5x1750 -LONG ALLGAL SHS 8 (BP3) -2/14mm HOLES 100 50 —150mmx50x8mm BASE PLATE ີ ທີ<sup>'</sup>25 / 125 150 SHS DETAIL Х ADJUSTABLE POST (max height 3250mm) 1:10 350 +TELESCOPIC POST 350  $\Box$ -CORE FILL

BRICK PIER DETAIL  $(\mathbf{X})$ 350 BRICK PIER TYP. 1:10









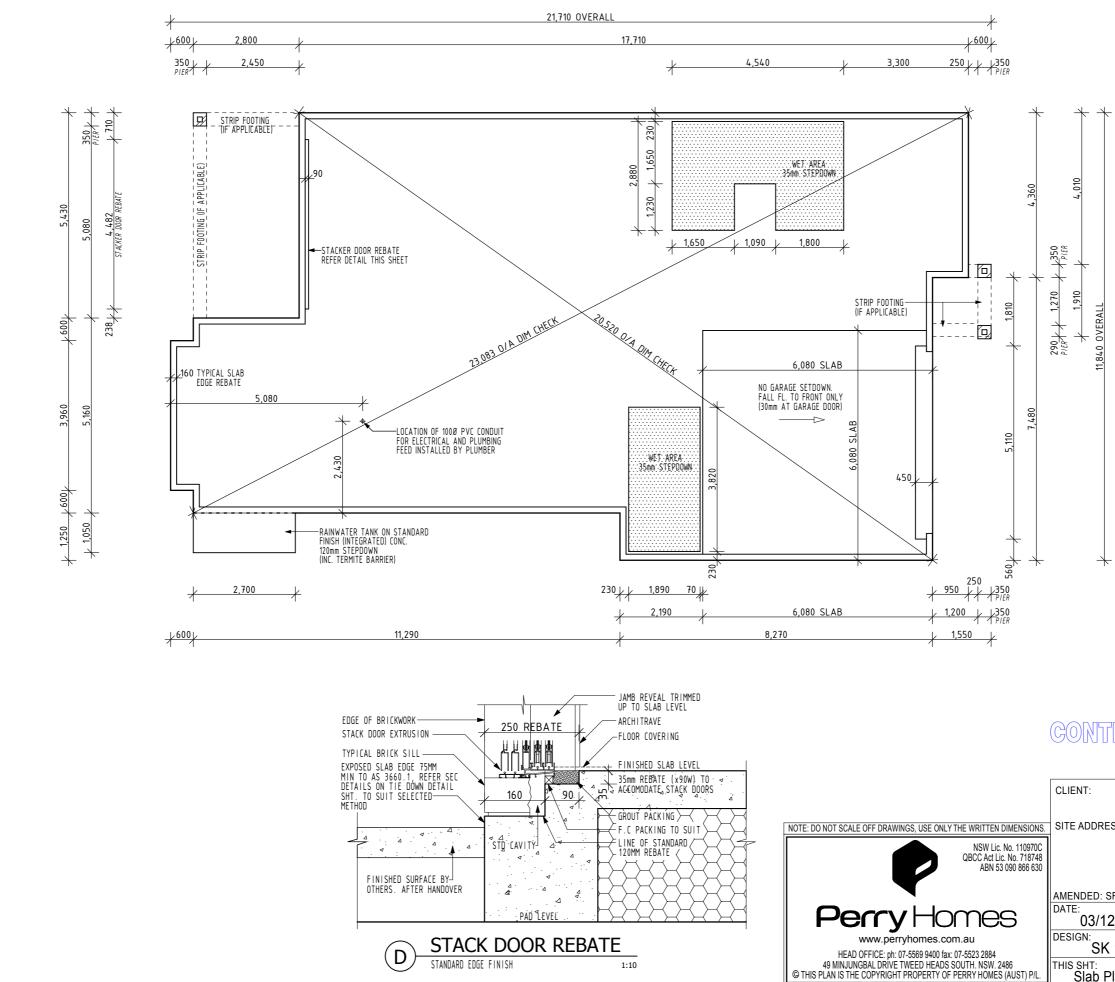
BULKHEAD DETAIL (B) SHEET ROOF-20° 1:20

NOTE: DO NOT SCALE OFF DRAWINGS, USE ONLY THE WRITTEN DIMENSIONS.									
	QE	NSW Lic. No. 110970C ISA Act Lic. No. 718748 ABN 53 090 866 630							
<b>Perry</b> Homes									
www.perryhomes.	com.au								
HEAD OFFICE ph: 07-5569 9400 fax: 07-5523 2884 49 MINJUNGBAL DR © THIS PLAN IS THE COPYRIGHT PROPERTY									
CLIENT: A. & J. MOHAMM	/IED								
SITE ADDRESS: LOT 13, CURRAJONG STREET, EVANS HEAD, N.S.W									
DATE: REV 14/12	4/2 WIN	- NO							
03/12/18 DATE: _/_	_/_ CAT	CALE:							
SK 18 - 158 - A	P.D	1:100							
THIS SHT: Sections & Details 5 OF	8	JOB NO.: 9515B							

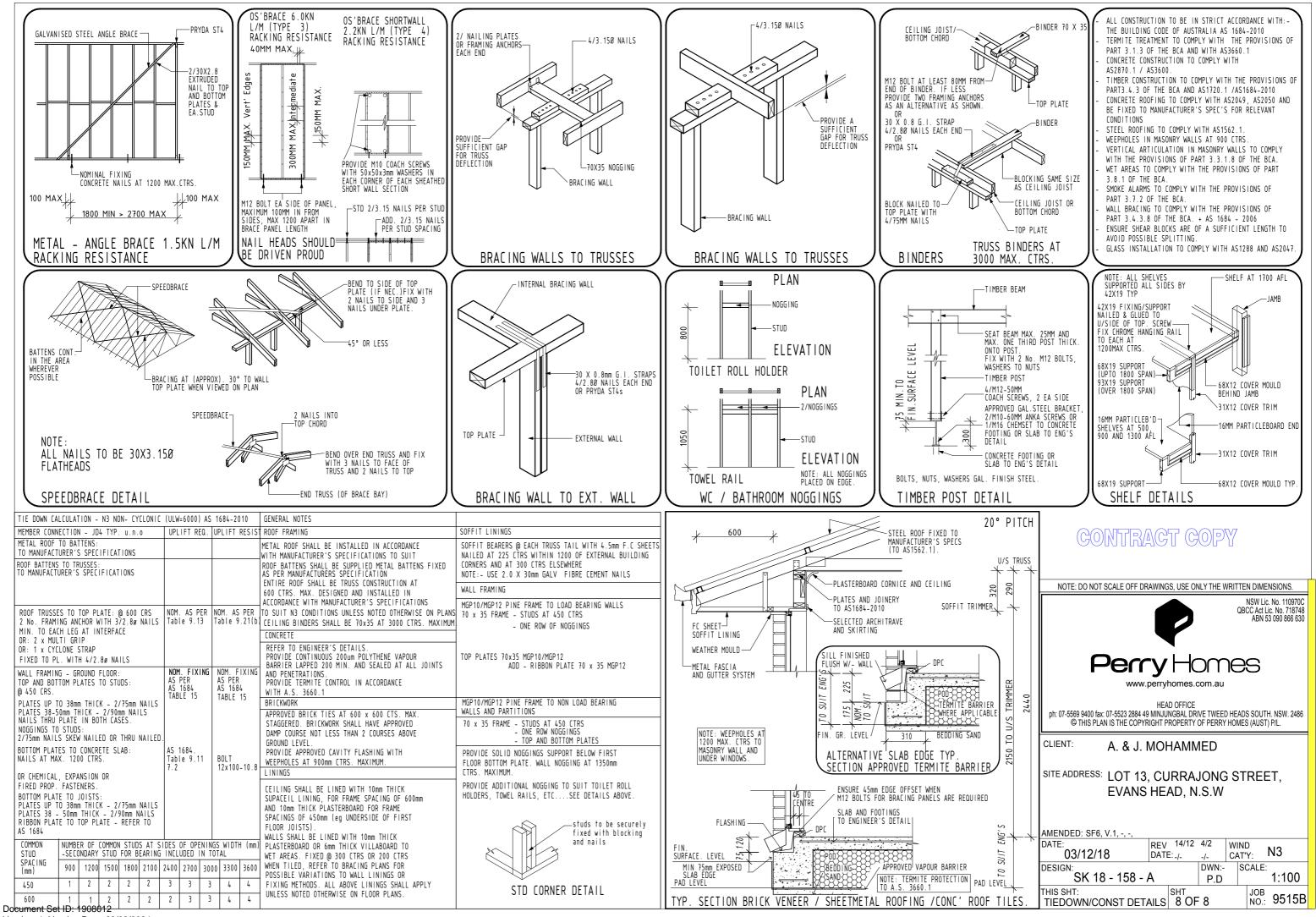


Document Set ID: 1908012 Version: 1, Version Date: 23/02/2024

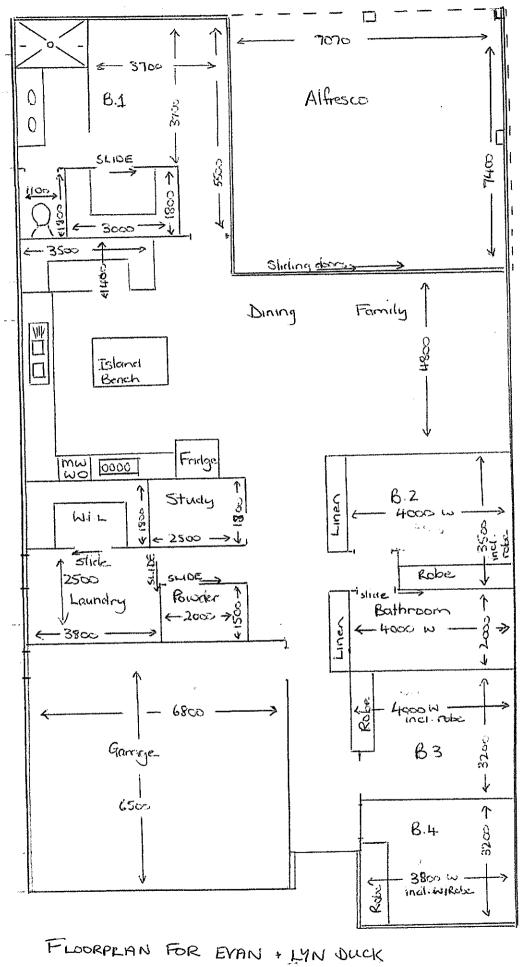
NOTE: DO NOT SCALE OFF DRAWINGS, USE ONLY THE WRITTEN DIMENSIONS.									
NSW Lic. No. 110970C QBSA Act Lic. No. 718748 ABN 53 090 866 630									
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HEAD OFFICE ph: 07-5569 9400 fax: 07-5523 2884 49 MINJUNGBAL DRIVE TWEED HEADS SOUTH. NSW. 2486 © THIS PLAN IS THE COPYRIGHT PROPERTY OF PERRY HOMES (AUST) P/L.									
CLIENT: A. & J. MOHAMMED									
SITE ADDRESS: LOT 13, CURRAJONG STREET, EVANS HEAD, N.S.W									
DATE: 03/12/18 REV 14/12 4/2 WIND DATE: _//- CAT'Y: N3									
DESIGN: SK 18 - 158 - A P.D SCALE: P.D 1:100									

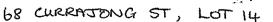


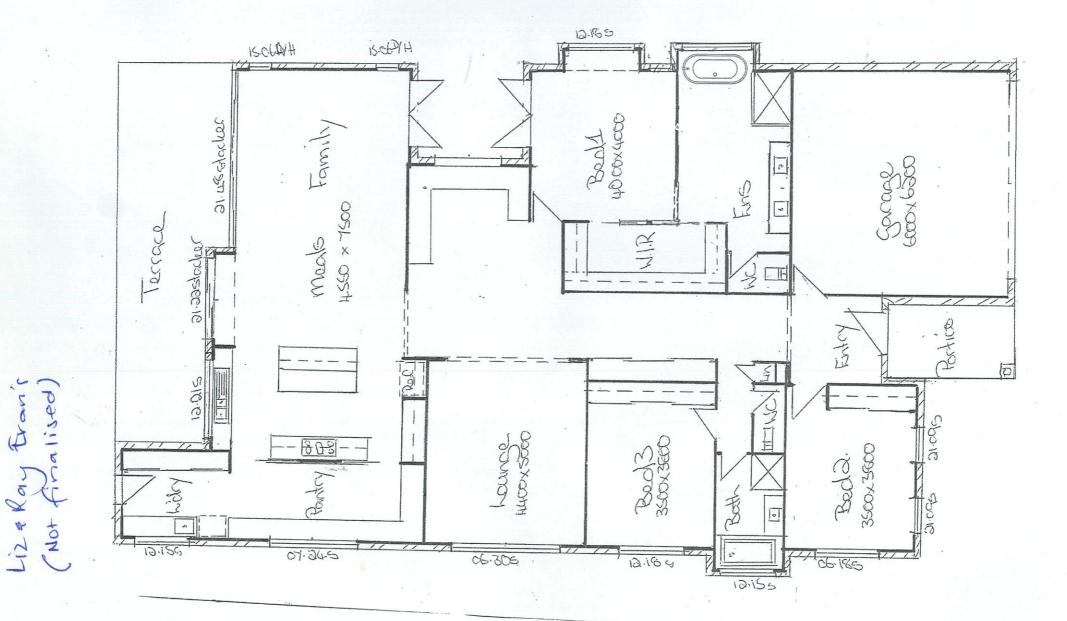
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MENSIONS. D. 110970C No. 718748 90 866 630	SITE ADDRESS:	LOT 13, EVANS				S ST	REE	ΞT,
3	AMENDED: SF6, DATE: 03/12/1		REV DAT		4/2 -/-	WIN	- 1	N3
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6 AUST) P/L.	тніs sнт: Slab Plar	1		SHT 7 OF	8		JOB NO.:	9515B



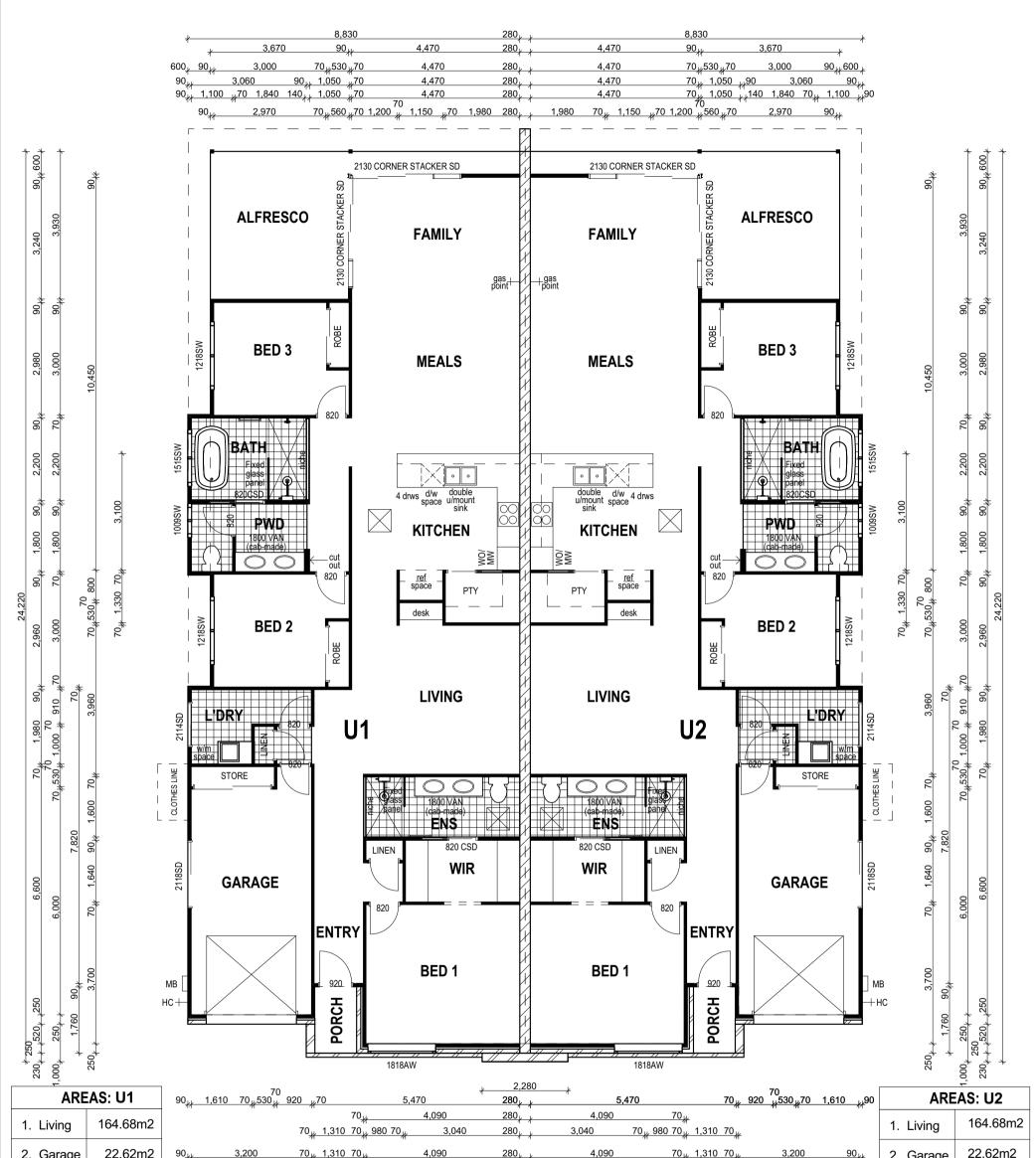
Version: 1, Version Date: 23/02/2024





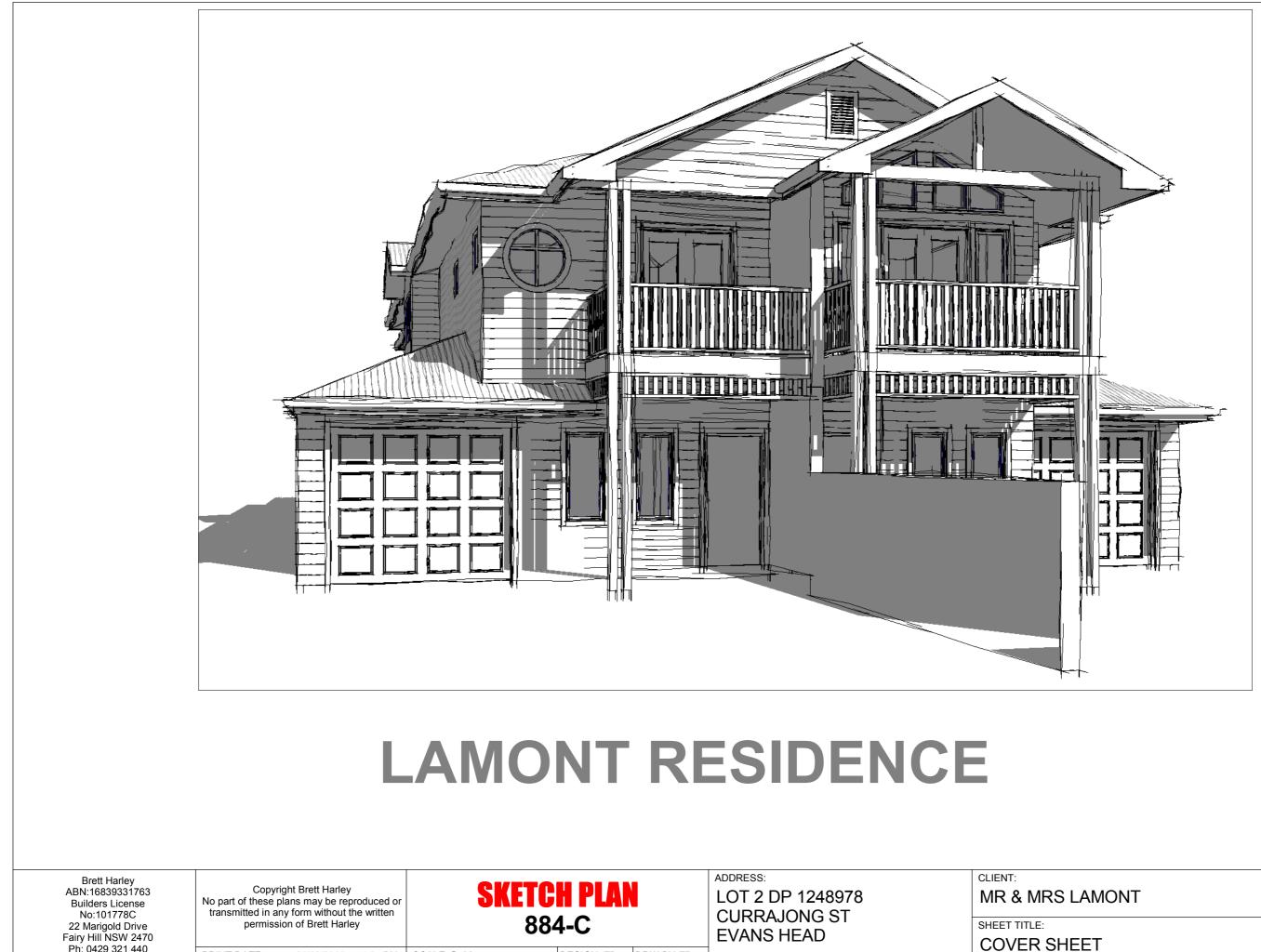


Document Set ID: 1908012 Version: 1, Version Date: 23/02/2024



2. Garage	22.62m2	90 <sub>4*</sub>	<u>3,200</u> 3,200		1,310_70 <sub>状</sub> 1,110 <sub>/ /</sub> 250	<u>4,090</u> 4,090	280 <sub>4</sub> 280 <sub>4</sub>	<u>4,090</u> 4,090	<u> </u>	<u>10 70</u> ₩ ,110 ₩90	<u>3,200</u> 3,200	90 // 90 //	2. Garage	22.62m2
3. Porch	1.95m2	90 <sub>4*</sub>	4,400		250	4,090	280///	4,090	4.4	,110 <sub>//</sub> 230	3,060	90	3. Porch	1.95m2
4. Alfresco	17.16m2												4. Alfresco	17.16m2
Total:	206.41m2												Total:	206.41m2
Ext Perimeter: 45.263 l/m Kitchen: 6.093 l/m Net Areas: 23.7m2			hΔ(	ddress:	L of 18	Curraion	g Street, Eva	ns Head N	SW/			Ext Perime Kitchen: 6 Wet Areas	.093 I/m : 23.7m2	
				vner			•	I Nola Siemor			incluc	ed in these	on of what is to be plans & attached e included in the c	specification are
			Dra	iwn:	LH	Job Nu	mber:	10020	Scale:	1:1, 1:100	) // We signati	approve th		ATE
	1		— Dat	te:	12/07/2018	Type:	Cus	tom Design	Page:	1				
			Issu	e:			A				SIGNATI	URE	D	ATE

Document Set ID: 1908012 Version: 1, Version Date: 23/02/2024



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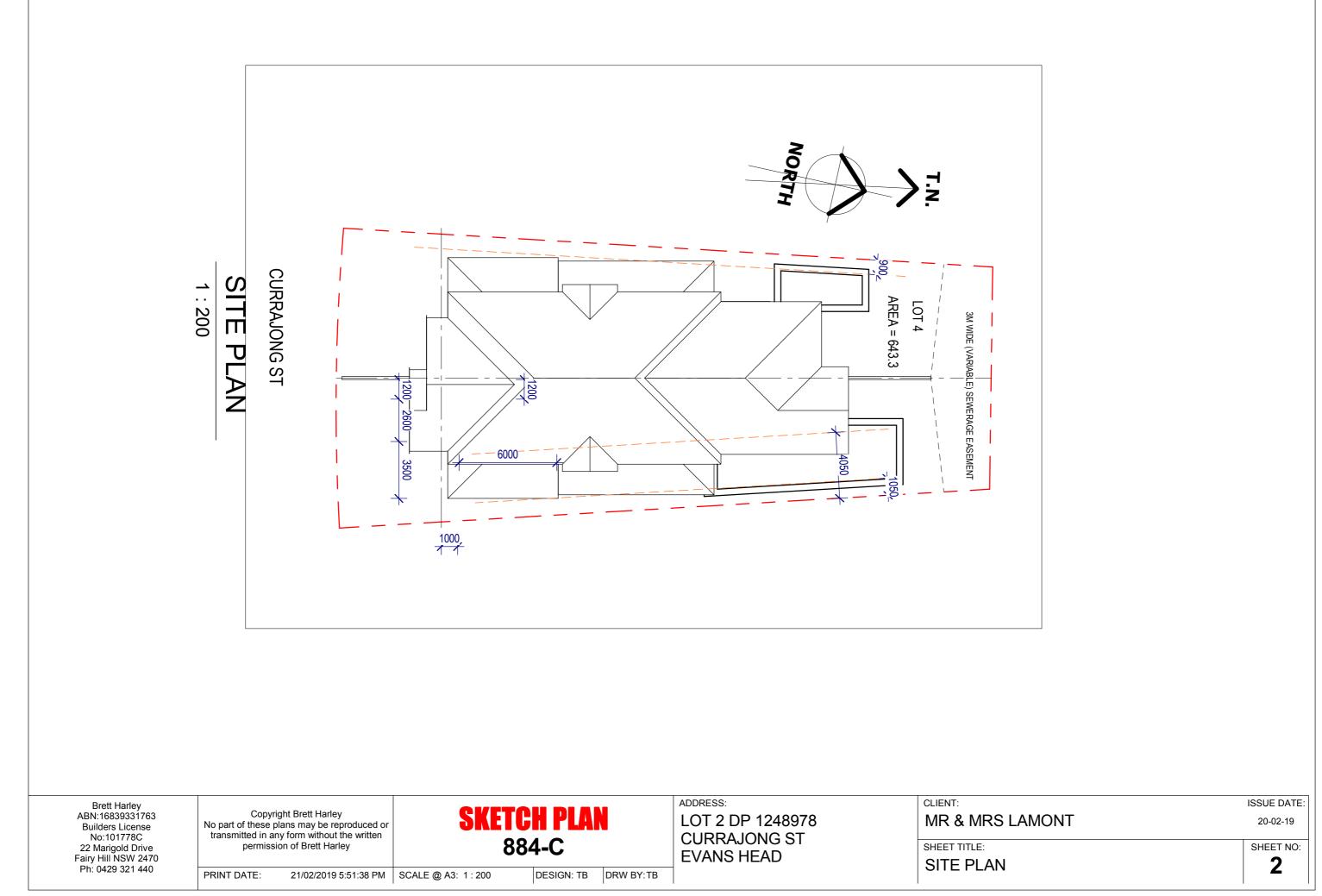
Ph: 0429 321 440

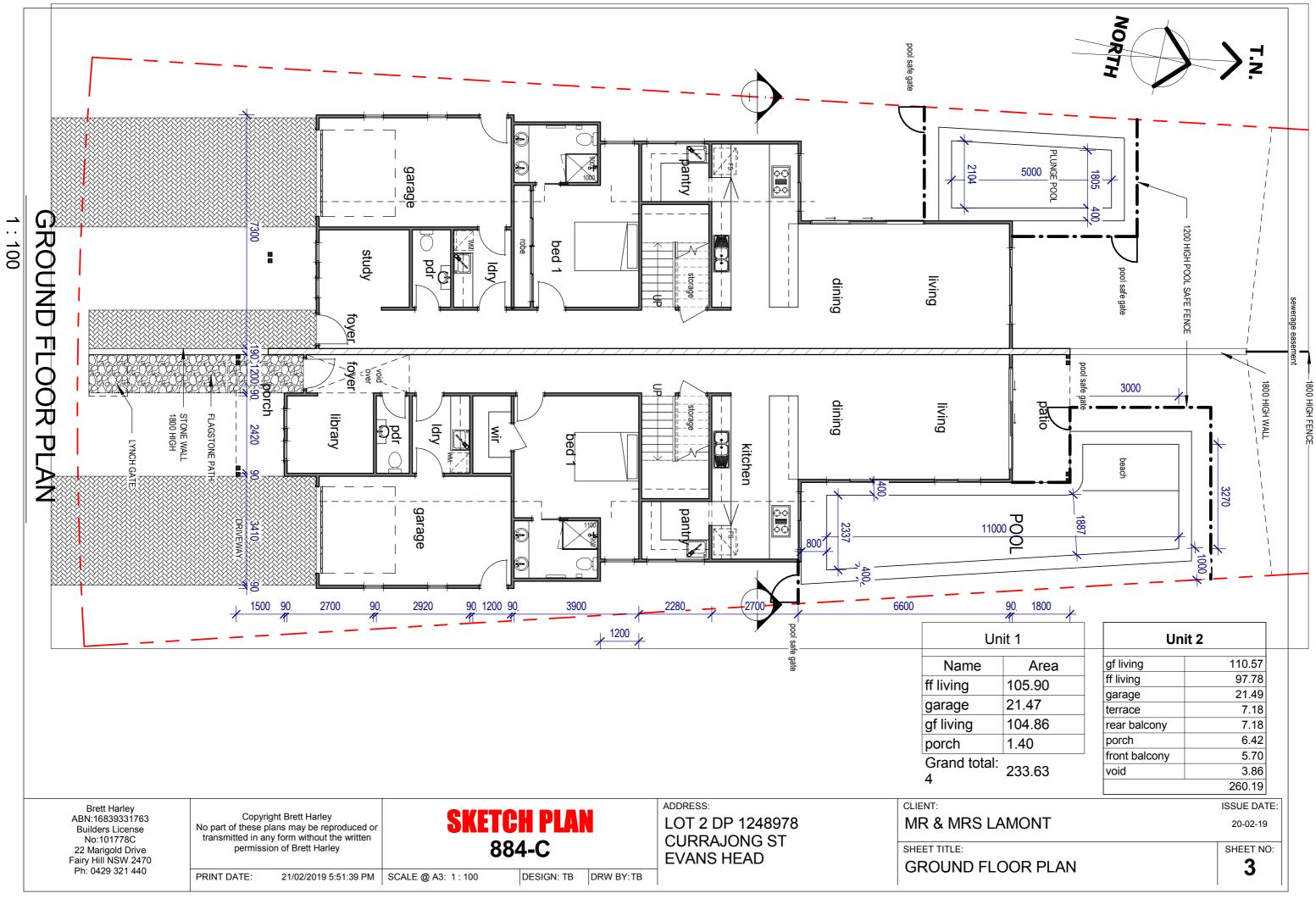
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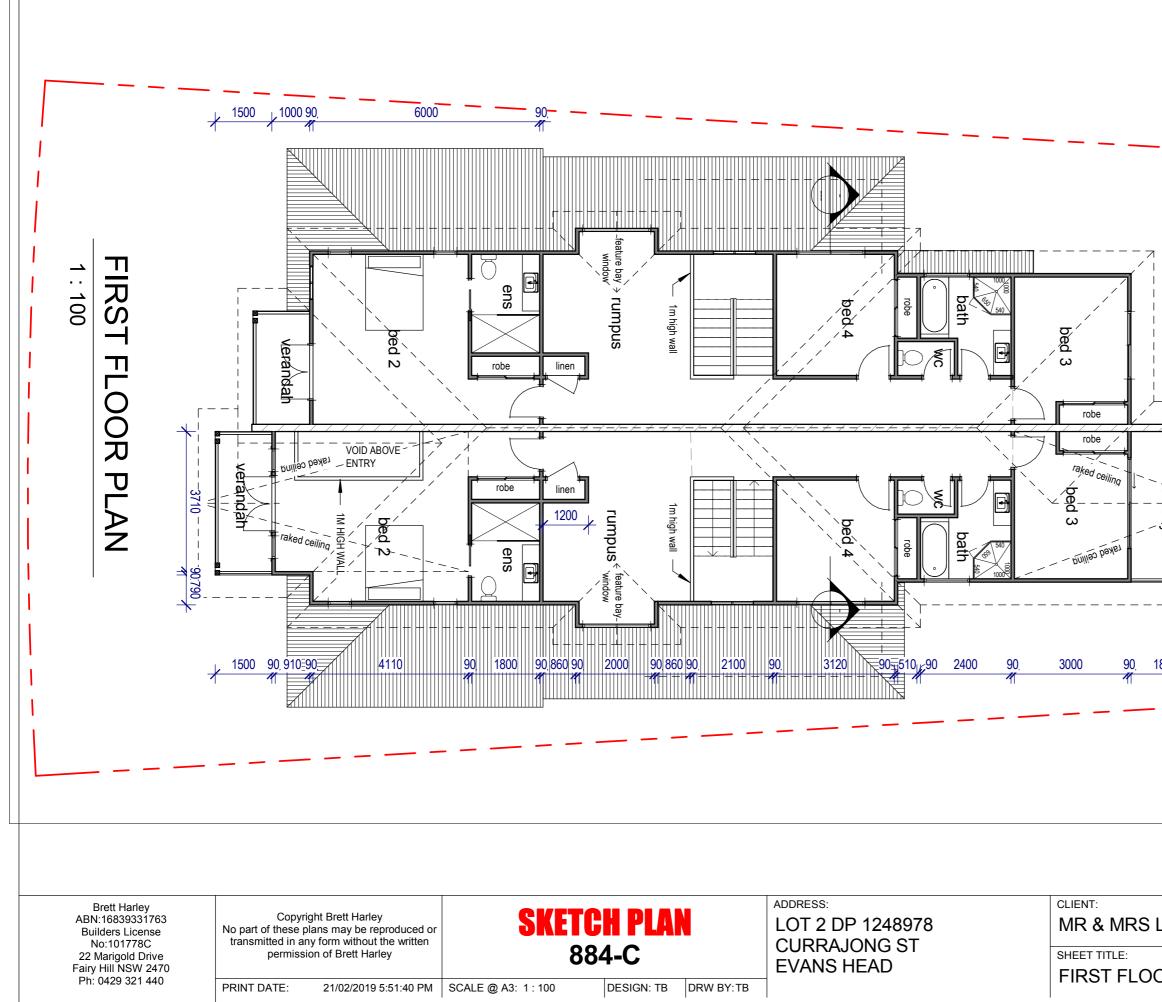
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ISSUE DATE: 20-02-19

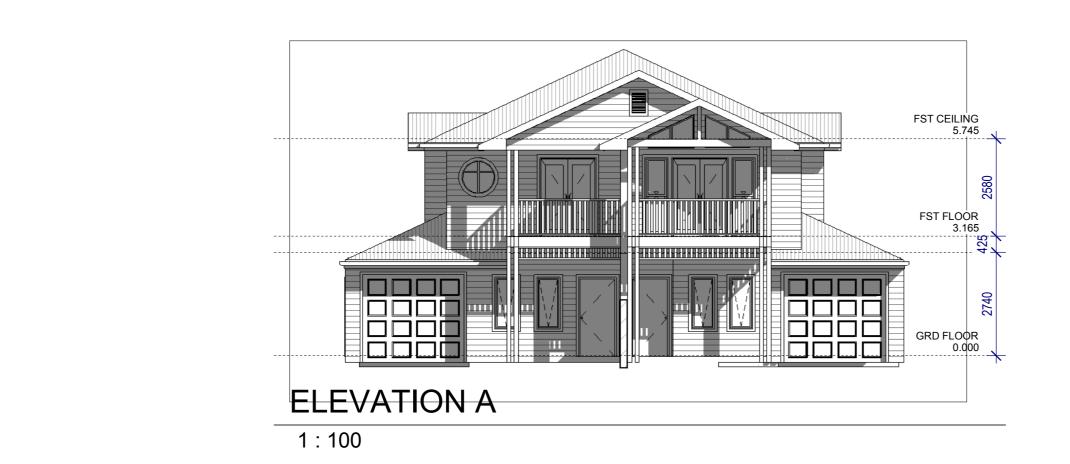
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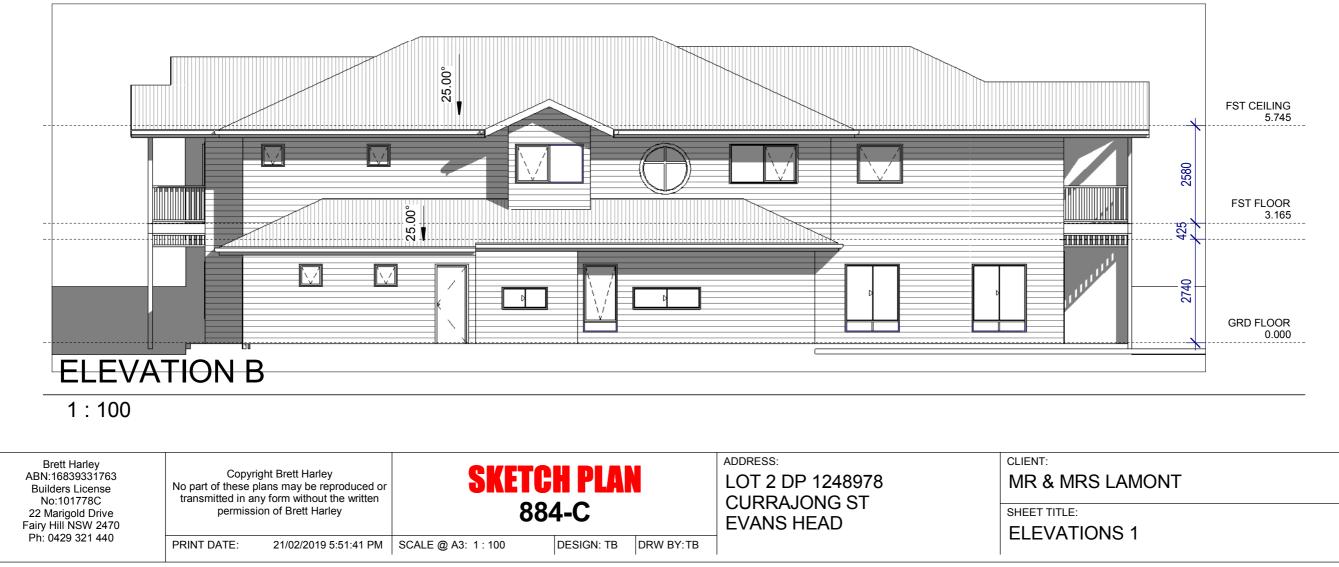




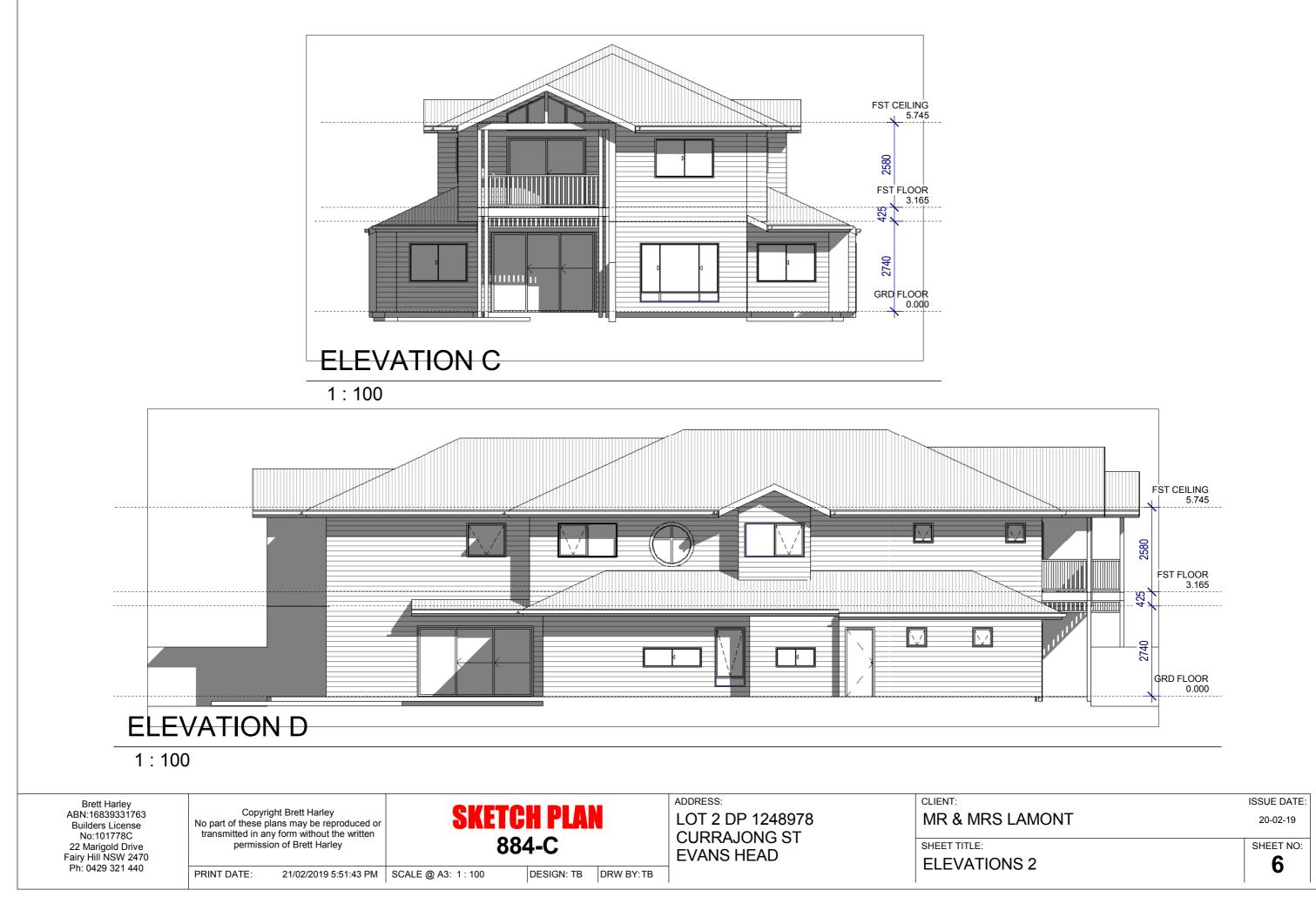


LAMONT	ISSUE DATE: 20-02-19
OR PLAN	SHEET NO: 4





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	ISSUE DATE:
LAMONT	20-02-19
	SHEET NO:
<b>IS</b> 1	5





# HARLEY RESIDENCES

Brett Harley ABN:16839331763 Builders License No:101778C 22 Marigold Drive Fairy Hill NSW 2470 Ph: 0429 321 440

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22/09/2018 5:32:27 PM SCALE @ A3: 1 : 1

PRINT DATE:

**SKETCH PLAN** 894-B

DESIGN: BH DRW BY: TB

ADDRESS: LOT 20 DP XX **CURRAJONG ST** EVANS HEAD

CLIENT: ISSUE DATE: HARLEY 22-09-2018 SHEET TITLE: SHEET NO: **COVER SHEET** 1

