

# Application for resource consent or fast-track resource consent

(Or Associated Consent Pursuant to the Resource Management Act 1991 (RMA)) (If applying for a Resource Consent pursuant to Section 87AAC or 88 of the RMA, this form can be used to satisfy the requirements of Schedule 4). Prior to, and during, completion of this application form, please refer to Resource Consent Guidance Notes and Schedule of Fees and Charges — [both available on the Council's web page](#).

## 1. Pre-Lodgement Meeting

Have you met with a council Resource Consent representative to discuss this application prior to lodgement? ☐ Yes ☐ No

## 2. Type of Consent being applied for

(more than one circle can be ticked):

- |   |   |
|---|---|
| <input type="radio"/> Land Use  | <input type="radio"/> Discharge                           |
| <input type="radio"/> Fast Track Land Use*  | <input type="radio"/> Change of Consent Notice (s.221(3)) |
| <input type="radio"/> Subdivision   | <input type="radio"/> Extension of time (s.125)           |
| <input type="radio"/> Consent under National Environmental Standard<br>(e.g. Assessing and Managing Contaminants in Soil) |   |
| <input type="radio"/> Other (please specify) _____  |   |

\* The fast track is for simple land use consents and is restricted to consents with a controlled activity status.

## 3. Would you like to opt out of the Fast Track Process?

☐ Yes ☐ No

## 4. Consultation

Have you consulted with Iwi/Hapū? ☐ Yes ☐ No

If yes, which groups have you consulted with?

Who else have you consulted with?

For any questions or information regarding iwi/hapū consultation, please contact Te Hono at Far North District Council [tehonosupport@fndc.govt.nz](mailto:tehonosupport@fndc.govt.nz)

## 5. Applicant Details

**Name/s:**

Ministry of Education/Kaingaroa School

**Email:**

**Phone number:**

Home

**Postal address:**

(or alternative method of service under section 352 of the act)

Postcode

## 6. Address for Correspondence

*Name and address for service and correspondence (if using an Agent write their details here)*

**Name/s:**

Pacific Membrane Group

**Email:**

**Phone number:**

Home

**Postal address:**

(or alternative method of service under section 352 of the act)

Postcode

3112

*\* All correspondence will be sent by email in the first instance. Please advise us if you would prefer an alternative means of communication.*

## 7. Details of Property Owner/s and Occupier/s

*Name and Address of the Owner/Occupiers of the land to which this application relates (where there are multiple owners or occupiers please list on a separate sheet if required)*

**Name/s:**

Kaingaroa School

**Property Address/  
Location:**

Postcode

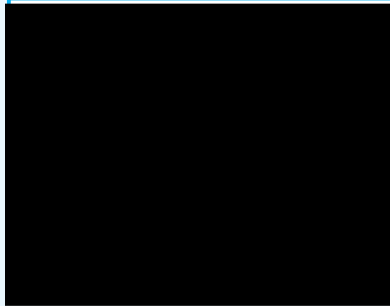
## 8. Application Site Details

*Location and/or property street address of the proposed activity:*

**Name/s:**

Kaingaroa School

**Site Address/  
Location:**



**Postcode**

**Legal Description:**

**Val Number:**

**Certificate of title:**

Please remember to attach a copy of your Certificate of Title to the application, along with relevant consent notices and/or easements and encumbrances (search copy must be less than 6 months old)

### Site visit requirements:

Is there a locked gate or security system restricting access by Council staff? ☐ Yes ☒ No

Is there a dog on the property? ☐ Yes ☒ No

Please provide details of any other entry restrictions that Council staff should be aware of, e.g. health and safety, caretaker's details. This is important to avoid a wasted trip and having to re-arrange a second visit.

## 9. Description of the Proposal:

Please enter a brief description of the proposal here. Please refer to Chapter 4 of the District Plan, and Guidance Notes, for further details of information requirements.

Boundary setback breach for installation of a Shade Canopy at Kaingaroa School.

If this is an application for a Change or Cancellation of Consent Notice conditions (s.221(3)), please quote relevant existing Resource Consents and Consent Notice identifiers and provide details of the change(s), with reasons for requesting them.

## 10. Would you like to request Public Notification?

☐ Yes ☒ No

## 11. Other Consent required/being applied for under different legislation

(more than one circle can be ticked):

- ☒ Building Consent  if known)
- ☐ Regional Council Consent (ref # if known)  Ref # here (if known)
- ☐ National Environmental Standard consent  Consent here (if known)
- ☒ Other (please specify)

## 12. National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health:

The site and proposal may be subject to the above NES. In order to determine whether regard needs to be had to the NES please answer the following:

Is the piece of land currently being used or has it historically ever been used for an activity or industry on the Hazardous Industries and Activities List (HAIL) ☐ Yes ☒ No ☐ Don't know

Is the proposed activity an activity covered by the NES? Please tick if any of the following apply to your proposal, as the NESCS may apply as a result. ☐ Yes ☒ No ☐ Don't know

- |   |   |
|---|---|
| <input type="radio"/> Subdividing land                    | <input type="radio"/> Disturbing, removing or sampling soil       |
| <input type="radio"/> Changing the use of a piece of land | <input type="radio"/> Removing or replacing a fuel storage system |

## 13. Assessment of Environmental Effects:

*Every application for resource consent must be accompanied by an Assessment of Environmental Effects (AEE). This is a requirement of Schedule 4 of the Resource Management Act 1991 and an application can be rejected if an adequate AEE is not provided. The information in an AEE must be specified in sufficient detail to satisfy the purpose for which it is required. Your AEE may include additional information such as Written Approvals from adjoining property owners, or affected parties.*

Your AEE is attached to this application ☒ Yes

## 13. Draft Conditions:

Do you wish to see the draft conditions prior to the release of the resource consent decision? ☐ Yes ☒ No

If yes, do you agree to extend the processing timeframe pursuant to Section 37 of the Resource Management Act by 5 working days? ☐ Yes ☒ No

## 14. Billing Details:

This identifies the person or entity that will be responsible for paying any invoices or receiving any refunds associated with processing this resource consent. Please also refer to Council's Fees and Charges Schedule.

<b>Name/s:</b> (please write in full)	Phillip Morrissey
<b>Email:</b>	
<b>Phone number:</b>	Home
<b>Postal address:</b> (or alternative method of service under section 352 of the act)	
	Postcode 3112

### Fees Information

An instalment fee for processing this application is payable at the time of lodgement and must accompany your application in order for it to be lodged. Please note that if the instalment fee is insufficient to cover the actual and reasonable costs of work undertaken to process the application you will be required to pay any additional costs. Invoiced amounts are payable by the 20th of the month following invoice date. You may also be required to make additional payments if your application requires notification.

### Declaration concerning Payment of Fees

I/we understand that the Council may charge me/us for all costs actually and reasonably incurred in processing this application. Subject to my/our rights under Sections 357B and 358 of the RMA, to object to any costs, I/we undertake to pay all and future processing costs incurred by the Council. Without limiting the Far North District Council's legal rights if any steps (including the use of debt collection agencies) are necessary to recover unpaid processing costs I/we agree to pay all costs of recovering those processing costs. If this application is made on behalf of a trust (private or family), a society (incorporated or unincorporated) or a company in signing this application I/we are binding the trust, society or company to pay all the above costs and guaranteeing to pay all the above costs in my/our personal capacity.

<b>Name:</b> (please write in full)	Phillip Morrissey
<b>Signature:</b> (signature of bill payer)	 
	Date 11-Jul-2025

**MANDATORY**

## 15. Important Information:

### Note to applicant

You must include all information required by this form. The information must be specified in sufficient detail to satisfy the purpose for which it is required.

You may apply for 2 or more resource consents that are needed for the same activity on the same form. You must pay the charge payable to the consent authority for the resource consent application under the Resource Management Act 1991.

### Fast-track application

Under the fast-track resource consent process, notice of the decision must be given within 10 working days after the date the application was first lodged with the authority, unless the applicant opts out of that process at the time of lodgement. A fast-track application may cease to be a fast-track application under section 87AAC(2) of the RMA.

### Privacy Information:

Once this application is lodged with the Council it becomes public information. Please advise Council if there is sensitive information in the proposal. The information you have provided on this form is required so that your application for consent pursuant to the Resource Management Act 1991 can be processed under that Act. The information will be stored on a public register and held by the Far North District Council. The details of your application may also be made available to the public on the Council's website, [www.fndc.govt.nz](http://www.fndc.govt.nz). These details are collected to inform the general public and community groups about all consents which have been issued through the Far North District Council.

## 15. Important information continued...

### Declaration

The information I have supplied with this application is true and complete to the best of my knowledge.

**Name:** (please write in full)

Shelly Church

**Signature:**

[Redacted Signature]

**Date** 11-Jul-2025

*A signature is not required if the application is made by electronic means*

### Checklist (please tick if information is provided)

- ☒ Payment (cheques payable to Far North District Council)
- ☐ A current Certificate of Title (Search Copy not more than 6 months old)
- ☐ Details of your consultation with Iwi and hapū
- ☒ Copies of any listed encumbrances, easements and/or consent notices relevant to the application
- ☒ Applicant / Agent / Property Owner / Bill Payer details provided
- ☒ Location of property and description of proposal
- ☒ Assessment of Environmental Effects
- ☐ Written Approvals / correspondence from consulted parties
- ☐ Reports from technical experts (if required)
- ☒ Copies of other relevant consents associated with this application
- ☒ Location and Site plans (land use) AND/OR
- ☐ Location and Scheme Plan (subdivision)
- ☐ Elevations / Floor plans
- ☐ Topographical / contour plans

Please refer to Chapter 4 of the District Plan for details of the information that must be provided with an application. Please also refer to the RC Checklist available on the Council's website. This contains more helpful hints as to what information needs to be shown on plans.

Boundary Setback  
Associated with Shade Canopy over existing pool area

Ministry of Education – Kaingaroa School  
5465 State Highway 10, Kaingaroa

## ASSESSMENT OF ENVIRONMENTAL EFFECTS



## 1. PROPOSAL

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Consent is sought for a Shade Canopy to be built over the existing pool area at Kaingaroa School. This breaches the Setback from Boundary rule on the site at 5465 State Highway 10. The site is zoned for Rural Production with a 10m Setback from boundary applying.

Site plan and aerial imagery, including property boundaries is attached. The proposed development, will have very little impact on the existing and neighboring sites. However, it will have a lasting positive impact on the school and community use of the area. The structure will provide a covered outdoor area over an existing swimming pool, with galvanized steel framework and removable PVC waterproof fabric top, as depicted in the attached concept drawings.

## 2. SCOPE OF THIS REPORT

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This assessment accompanies the Resource Consent application and is provided in accordance with Schedule 4 of the Resource Management Act 1991. The application seeks land use consent as a restricted discretionary activity. As the designation ME53 Ministry of Education, in the Rural Production Zone under the Far North Operative District Plan.

## 3. PROPERTY DETAILS

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**Location:** 5465 State Highway 10, Kaingaroa

**Zoning:** Rural Production

**Legal Description:** Lot 2 DP 38912

**Designation:** ME53 Ministry of Education

#### 4. SITE DESCRIPTION:

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The site is zoned Rural Production and the Operative and Proposed District Plans. There are no controls or overlays in the plan maps. The school site contains a number of buildings and classrooms dispersed throughout with a large open greenspace at the Northern and Eastern end of the school grounds. The school is located on the top of a small hill. Part of the grounds are relatively flat at the top and include areas of concrete, grass and playground with mature vegetation. There are contours around the boundary edges of the property with the land sloping away to the North down to the bottom school field and West down towards State Highway 10. The land slopes away South and East along the boundary. See photo 1 below.



Photo 1

Vehicle access to the site will be via the driveway off State Highway 10. There will be no change to the current arrangement or provision of car parking within the school. See photo 2 below.



Photo 2

Far North Maps show no controls or overlays that apply to this site nor does it have historic value. There is a small flood plain at the Northern end of the site, which has no significance to the proposed area of the new canopy. In terms of the Far North District Council's on line maps, the site is not mapped as subject to any hazard and the site does not contain any biodiversity wetlands. The site is not within the coastal environment.

## 5. RURAL PRODUCTION RULES

<b>8.6.5.1 Permitted Activities</b>	
<b>8.6.5.1.1 RESIDENTIAL INTENSITY</b> Residential development shall be limited to one unit per 12ha of land.	N/A
<b>8.6.5.1.2 SUNLIGHT</b> No part of any building shall project beyond a 45 degree recession plane as measured inwards from any point 2m vertically above ground level on any site boundary (refer to definition of Recession Plane in Chapter 3 - Definitions), except where a site boundary adjoins a legally established entrance strip, private way, access lot, or access way serving a rear site, the measurement shall be taken from the farthest boundary of the entrance strip, private way, access lot, or access way.	Complies
<b>8.6.5.1.3 STORMWATER MANAGEMENT</b> The maximum proportion of the gross site area covered by buildings and other impermeable surfaces shall be 15%.	Proposed new canopy will be covering an already impervious area.
<b>8.6.5.1.4 SETBACK FROM BOUNDARIES</b> No building shall be erected within 10m of any site boundary	The proposed new canopy is in breach of this rule as it is 8.22m from boundary.
<b>8.6.5.1.6 KEEPING OF ANIMALS</b>	N/A
<b>8.6.5.1.7 NOISE</b> 0700 to 2200 hours 65 dBA L10 2200 to 0700 hours 45 dBA L10 and 70 dBA Lmax	The proposed activity is not anticipated to result in any noticeable increase in existing noise levels. The proposed operational characteristics of the school will remain unchanged, and it is not anticipated that the all-weather canopy will lead to additional noise effects above the existing situation.
<b>8.6.5.1.8 BUILDING HEIGHT</b> The maximum height of any building shall be 12m	Highest point of the canopy will be at 5.19m high – Engineer drawings attached
<b>8.6.5.1.10 BUILDING COVERAGE</b> Any new building or alteration/addition to an existing building is a permitted activity if the total Building Coverage of a site does not exceed 12.5% of the gross site area.	Total building coverage of site is 11%. Building coverage plan attached.
<b>8.6.5.1.11 SCALE OF ACTIVITIES</b>	This is a School Designation.

The only identified consent requirements is for a breach of boundary setback and the application is a restricted discretionary activity.

## 6. OPERATIVE DISTRICT PLAN

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<b>Heritage Area Overlays:</b>	N/A
<b>Notable Trees:</b>	No notable trees on property
<b>Sites and Areas of significance to Maori:</b>	N/A
<b>Finished contour of the project:</b>	Concept drawings of finished project attached. The finished contours of the site will remain largely unchanged.
<b>Earthworks:</b>	Cut and fill earthworks are minor and only required to form the foundations for the structure. Foundation installation consisting of 6 structural steel posts.

## 7. ASSESSMENT OF ENVIRONMENTAL EFFECTS

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*In assessing an application resulting from a breach of Rule the permitted activity Setback from Boundary rule:*

**The extent to which the building reduces outlook and privacy of adjacent properties:**

The canopy is located on the Southern Boundary with vegetation directly adjacent to the site. The dwelling and open space on the adjacent neighboring site is approximately 275m North-East and not visible from the proposed canopy site. See below Aerial Photo 3:



Photo 3

The setback distance from the Southern Boundary is 8.221m from the closest point. The contours of the site from the boundary then slopes down into the adjacent site. This area consists of mainly vegetation and mature trees. See below Photo 4 showing the view looking toward the Southern Boundary and where the canopy site is located.



Photo 4

**The extent to which the buildings restrict visibility for access and egress of vehicles**

The canopy does not restrict visibility for access and egress of vehicles, either on site or on adjacent sites. It is at the southern end of the site, out of the way of any driveway.

**The ability to mitigate any adverse effects on the surrounding environment, for example by way of planting.**

As can be seen by the photos and from aerial imagery, there is no shortage of plantings and vegetation in and around the site. In particular there are existing plantings between the canopy and the southern boundary. I do not believe there is any need for further plantings. See below Photos 5&6.



Photos 5&6

**The extent to which the buildings and their use will impact on the public use and enjoyment of adjoining esplanade reserves and strips and adjacent coastal marine areas.**

The site is not adjacent to any esplanade reserve or strip, or the coastal marine area.

<b>6. Information required in assessment of environmental effects</b>	
<b>(1) An assessment of the activity's effects on the environment must include the following information:</b>	
(a) if it is likely that the activity will result in any significant adverse effect on the environment, a description of any possible alternative locations or methods for undertaking the activity:	As described above, the activity will not result in any significant adverse effect on the environment.
(b) an assessment of the actual or potential effect on the environment of the activity:	As above
(c) if the activity includes the use of hazardous installations, an assessment of any risks to the environment that are likely to arise from such use:	N/A
(d) if the activity includes the discharge of any contaminant, a description of— (i) the nature of the discharge and the sensitivity of the receiving environment to adverse effects; and (ii) any possible alternative methods of discharge, including discharge into any other receiving environment:	N/A. The activity will not have an discharge of contaminants.
(e) a description of the mitigation measures (including safeguards and contingency plans where relevant) to be undertaken to help prevent or reduce the actual or potential effect:	As described, the activity will have little to no result in any potential effects. However PMG have SSSP during the installation of the activity which identifies any potential hazards or effects.
(f) identification of the persons affected by the activity, any consultation undertaken, and any response to the views of any person consulted:	Adjacent property and persons affected by the activity: Part Section 3 Block XI Rangaunu Survey District (Sean David Neary:Yan Lan Weng) The school have contacted the affected person, however have had no luck in acquiring a written approval.
(g) if the scale and significance of the activity's effects are such that monitoring is required, a description of how and by whom the effects will be monitored if the activity is approved:	N/A. No monitoring is required.
(h) if the activity will, or is likely to, have adverse effects that are more than minor on the exercise of a protected customary right, a description of possible alternative locations or methods for the exercise of the activity (unless written approval for the activity is given by the protected customary rights group).	No protected customary right is affected.

<b>7. Matters that must be address by assessment of environmental effects</b>	
<b>(1) An assessment of the activity's effects on the environment must address the following matters:</b>	
(a) any effect on those in the neighbourhood and, where relevant, the wider community, including any social, economic, or cultural effects:	It is considered that the proposal fulfils the purpose of the Act by allowing for the use and enjoyment of an industrial site, by people in a manner that provides for social and cultural wellbeing but also serves the economic, social and cultural needs of a community without adversely impacting the environment.
(b) any physical effect on the locality, including any landscape and visual effects:	Effect on amenity values will be negligible when seen in the context of the wider landscape. The proposal is an efficient and expected use of the land as an education facility. The finished contours of the site will remain largely unchanged.
(c) any effect on ecosystems, including effects on plants or animals and any physical disturbance of habitats in the vicinity:	The development of the canopy will have less than minor adverse effects to the surrounding environment and ecosystems.
(d) any effect on natural and physical resources having aesthetic, recreational, scientific, historical, spiritual, or cultural value, or other special value, for present or future generations:	The location of this proposal is not in close proximity to any outstanding natural features, it is not indicated as having particular value to Maori greater than any other land in the district. Nor does it contain any Taonga such as waterways, native bush habitat, or proximity to sites of special significance.
(e) any discharge of contaminants into the environment, including any unreasonable emission of noise, and options for the treatment and disposal of contaminants:	The proposed activity is not anticipated to result in any noticeable increase in existing noise levels. The proposal will not result in the discharge of contaminants.
(f) any risk to the neighbourhood, the wider community, or the environment through natural hazards or hazardous installations.	The canopy has been carefully designed to ensure that the finished canopy and its construction will not give rise to any significant adverse effects or risks.

## **8. STATUTORY ASSESSMENT**

Objectives and policies relevant to this application are predominantly those listed in Chapter 8.6 Rural Production Zone. Objectives in 8.6.3 (Rural Production) focus on promoting sustainable management of natural and physical resources, and enabling the efficient use and development of the Zone. I believe the development of the application site achieves both these objectives.

The ongoing use of the site for an educational facility does not impact on rural production activities that might wish to continue elsewhere in the zone. The canopy does not create any risk or adverse effect in regard to the reverse sensitivity effects and land use incompatibility.

<b>8.6 RURAL PRODUCTION ZONE</b>
<b>8.6.3 OBJECTIVES</b>
<p>8.6.3.1 To promote the sustainable management of natural and physical resources in the Rural Production Zone.</p> <p>8.6.3.2 To enable the efficient use and development of the Rural Production Zone in a way that enables people and communities to provide for their social, economic, and cultural well being and for their health and safety.</p> <p>8.6.3.3 To promote the maintenance and enhancement of the amenity values of the Rural Production Zone to a level that is consistent with the productive intent of the zone.</p> <p>8.6.3.4 To promote the protection of significant natural values of the Rural Production Zone.</p> <p>8.6.3.5 To protect and enhance the special amenity values of the frontage to Kerikeri Road between its intersection with SH10 and the urban edge of Kerikeri.</p> <p>8.6.3.6 To avoid, remedy or mitigate the actual and potential conflicts between new land use activities and existing lawfully established activities (reverse sensitivity) within the Rural Production Zone and on land use activities in neighbouring zones.</p> <p>8.6.3.7 To avoid remedy or mitigate the adverse effects of incompatible use or development on natural and physical resources.</p> <p>8.6.3.8 To enable the efficient establishment and operation of activities and services that have a functional need to be located in rural environments.</p> <p>8.6.3.9 To enable rural production activities to be undertaken in the zone.</p>
<b>8.6.4 POLICIES</b>
<p>8.6.4.1 That the Rural Production Zone enables farming and rural production activities, as well as a wide range of activities, subject to the need to ensure that any adverse effects on the environment, including any reverse sensitivity effects, resulting from these activities are avoided, remedied or mitigated and are not to the detriment of rural productivity.</p> <p>8.6.4.2 That standards be imposed to ensure that the off site effects of activities in the Rural Production Zone are avoided, remedied or mitigated</p> <p>8.6.4.3 That land management practices that avoid, remedy or mitigate adverse effects on natural and physical resources be encouraged.</p> <p>8.6.4.4 That the type, scale and intensity of development allowed shall have regard to the maintenance and enhancement of the amenity values of the Rural Production Zone to a level that is consistent with the productive intent of the zone.</p> <p>8.6.4.5 That the efficient use and development of physical and natural resources be taken into account in the implementation of the Plan.</p> <p>8.6.4.6 That the built form of development allowed on sites with frontage to Kerikeri Road between its intersection with SH10 and Cannon Drive be maintained as small in scale, set back from the road, relatively inconspicuous and in harmony with landscape plantings and shelter belts.</p> <p>8.6.4.7 That although a wide range of activities that promote rural productivity are appropriate in the Rural Production Zone, an underlying goal is to avoid the actual and potential adverse effects of conflicting land use activities.</p> <p>8.6.4.8 That activities whose adverse effects, including reverse sensitivity effects, cannot be avoided remedied or mitigated are given separation from other activities</p> <p>8.6.4.9 That activities be discouraged from locating where they are sensitive to the effects of or may compromise the continued operation of lawfully established existing activities in the Rural Production zone and in neighbouring zones.</p>

The canopy is not related to the productive nature of soils or production potential; it is part of a development on a site that is in keeping with the council designation. The canopy has no adverse effects on historic heritage or cultural values, natural features or landscapes, or indigenous biodiversity.

## **9. S95e AFFECTED PERSONS**

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No written approvals have been obtained for this development. The school have made an effort to contact the affected person, however have had no luck in acquiring a written approval. There is the Southern boundary breach for the development of the canopy. This boundary breach is located some 275m south, away from the affected person. The boundary is planted and has a lot of vegetation, providing visual screening and privacy. The adjacent property on the Southern boundary consists of vegetation and rural landscapes.

It is difficult to see how the location of this canopy affects the privacy or outlook of the adjacent property. Roof run-off is not a concern as it is to be collected via guttering and connected to the existing on-site drainage system.

## **10. CONCLUSION**

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The proposal will provide for the wellbeing of the applicant while avoiding, remedying, or mitigating any adverse effects arising from the proposal on the environment.

It is considered that the proposal will have less than minor adverse effects to the surrounding environment, and is generally consistent with the objectives and policies within the Far North Operative District Plan and the Purpose and Principles of the Resource Management Act 1991.

The canopy provides an increase in usable outdoor space for the use of the children within Kaingaroa School throughout the year, and has been carefully designed to ensure that the finished canopy and its construction will not give rise to any significant adverse effects. The proposed canopy is an efficient and envisaged use of the school designation. This can be seen as a positive effect, by providing protection from the harsh New Zealand sun and rain, all year round for students of the school. The proposed operational characteristics of the school will remain unchanged. The use of the all-weather canopy is consistent with the designated purpose of the site.

*Written By: Shelly Church*

*Date: 10/07/2025*

Parcel ID: 5090058  
Appellation: Section 8 Block XI Rangaunu SD  
Location: Kaingaroa

Climate Zone: 1  
Earthquake Zone: Zone 1  
Exposure Zone: Zone C  
Lee Zone: No  
Rainfall Range: 90 - 100  
Wind Region: A  
Wind Zone: Very High

PROPOSED CANOPY

EXISTING BUILDING

CONCRETE AREA/PLAYGROUND

SWIMMING POOL

POOL FENCING

PROPERTY BOUNDARY

Parcel ID: 4833782  
Appellation: Lot 2 DP 38912  
Location:

Climate Zone: 1  
Earthquake Zone: Zone 1  
Exposure Zone: Zone C  
Lee Zone: No  
Rainfall Range: 90 - 100  
Wind Region: A  
Wind Zone: Very High



KAINGAROA SCHOOL  
5465 STATE HIGHWAY 10, KAINGAROA  
PROPOSED SHADE STRUCTURES  
SITE PLAN

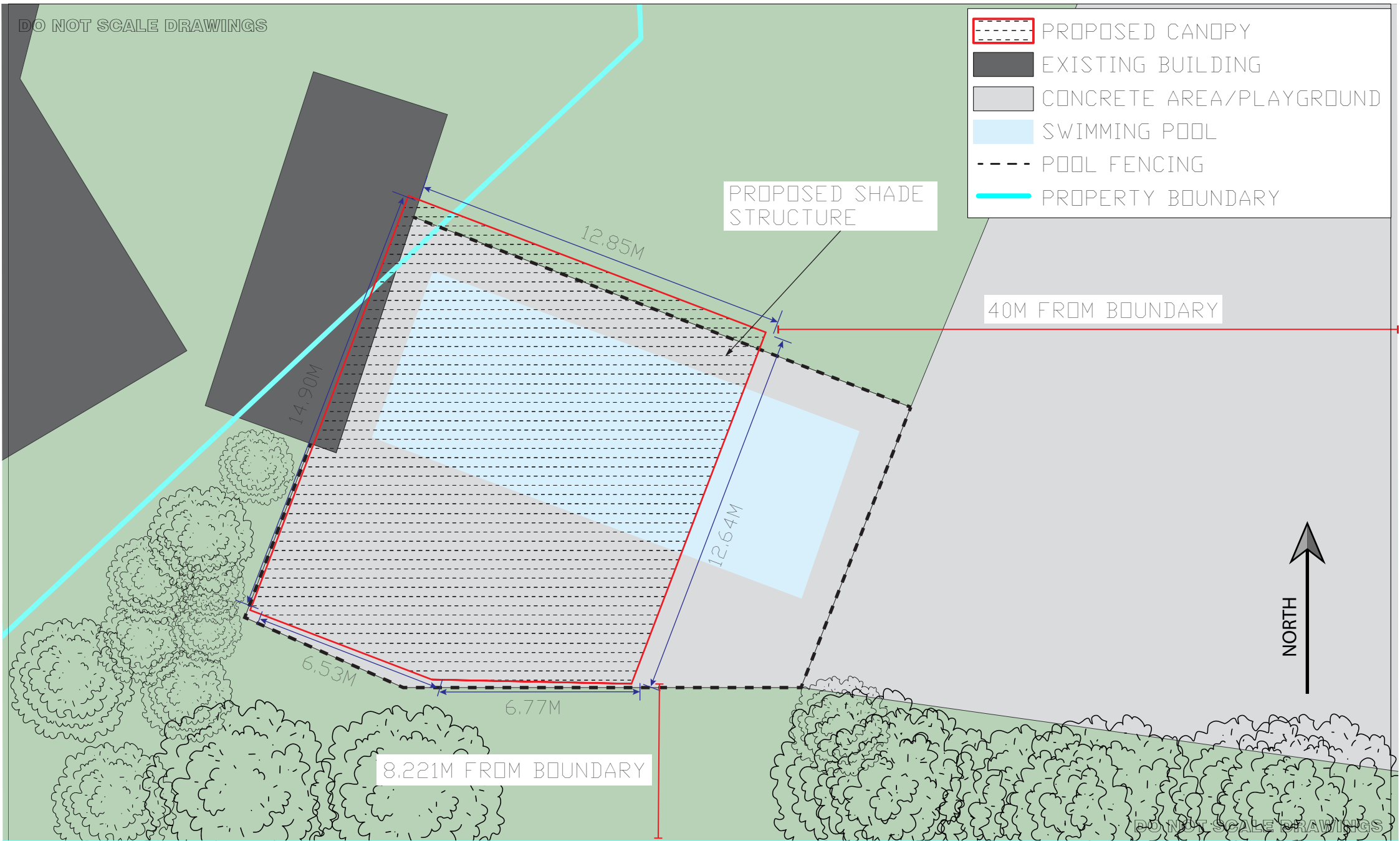
NOTE: These drawings are the copyright of Pacific Membrane Group and may not be used or copied without written authority.

JOB NO:	PMG24-486	New Zealand: 4 Hynds Road, Gate Pa Tauranga 3112 Ph: +64 7 571 0559
DRAWING NO:	PMG24486-01A	
DATE:	02.07.2025	
ISSUE NO:	A	Australia : 5 Ellerslie Road, Meadowbrook, Qld 4131 Ph: +61 7 3208 4518
DRAWN BY:	P.M	
SCALE:	NTS	



DO NOT SCALE DRAWINGS

- PROPOSED CANOPY
- EXISTING BUILDING
- CONCRETE AREA/PLAYGROUND
- SWIMMING POOL
- POOL FENCING
- PROPERTY BOUNDARY



KAINGAROA SCHOOL  
5465 STATE HIGHWAY 10, KAINGAROA  
PROPOSED SHADE STRUCTURES  
SITE PLAN

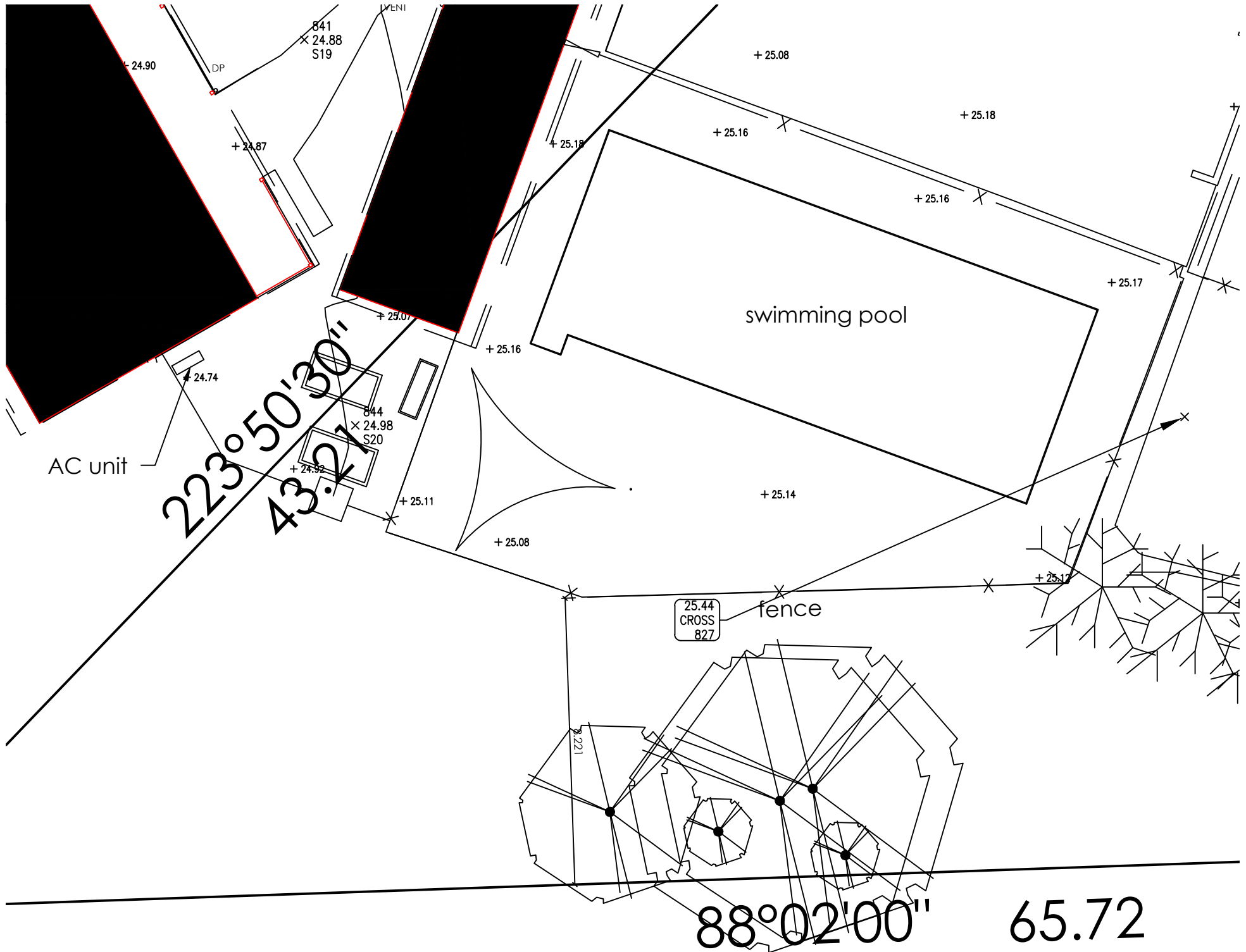
JOB NO:	PMG24-486
DRAWING NO:	PMG24486-01B
DATE:	02.07.2025
ISSUE NO:	A
DRAWN BY:	P.M
SCALE:	NTS

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Ph: +61 7 3208 4518



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BUILDING COVERAGE (existing)	10%	CANOPY COVERAGE (proposed)	1%
1,827 sqm		184.97 sqm	
TOTAL SITE AREA = 18,248sqm		TOTAL COVERAGE = 11%	
Maximum Permitted = 20%			

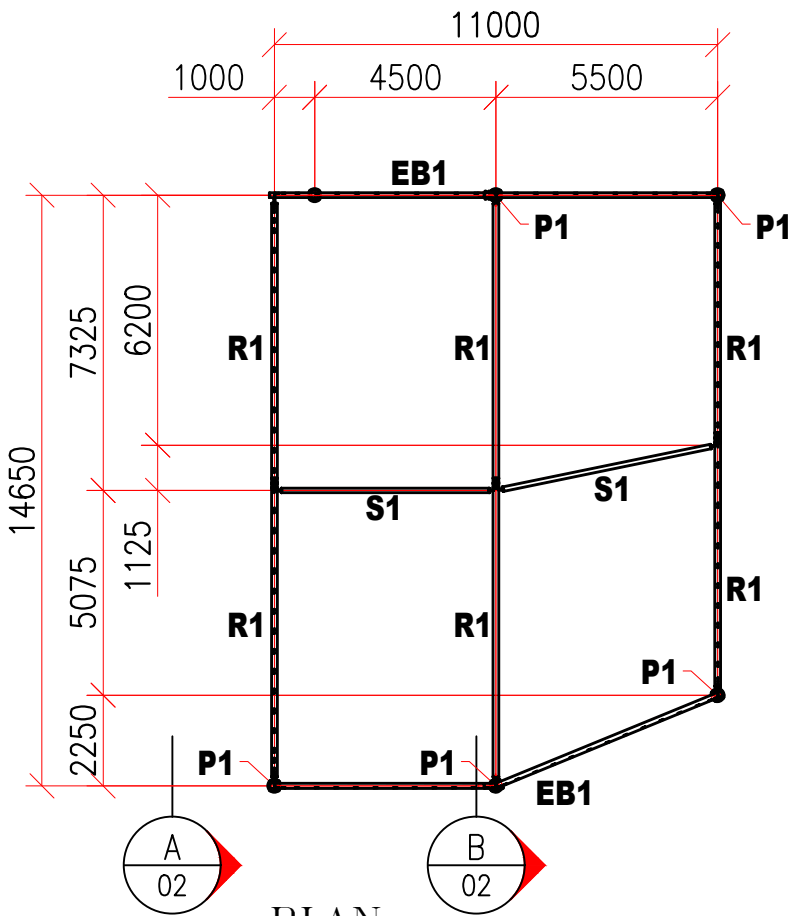
DO NOT SCALE DRAWINGS

KAINGAROA SCHOOL  
5465 STATE HIGHWAY 10, KAINGAROA  
PROPOSED SHADE STRUCTURES  
BUILDING COVERAGE

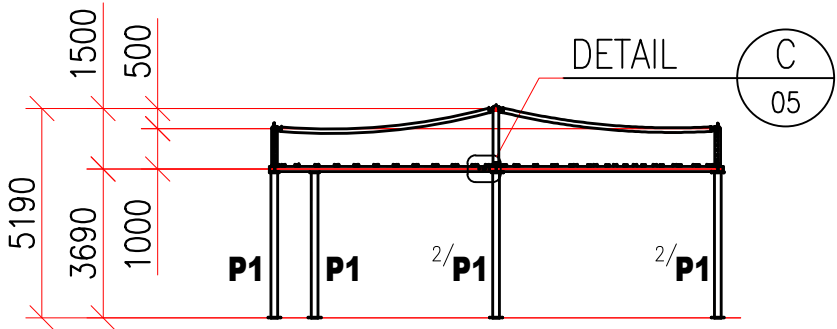
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JOB NO:	PMG24-486	New Zealand:
DRAWING NO:	PMG24486-01A	4 Hynds Road, Gate Pa
DATE:	09.07.2025	Tauranga 3112
ISSUE NO:	A	Ph: +64 7 571 0559
DRAWN BY:	P.M	Australia :
SCALE:	NTS	5 Ellerslie Road,
		Meadowbrook, Qld 4131
		Ph: +61 7 3208 4518





PLAN  
(1 NO. REQ'D - AS DRAWN)

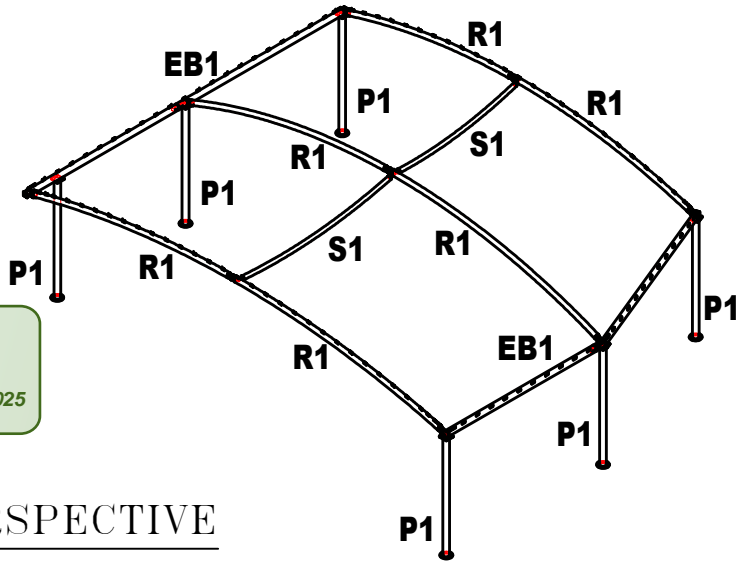


FRONT ELEVATION

MEMBER SCHEDULE			
MARK	DESCRIPTION	SIZE	Fy/M.B.L.
P1	POST	Ø168.3 x 4.8 CHS	350 MPa
R1	RAFTER	Ø141.3 x 4.8 CHS	350 MPa
S1	STRUT	Ø114.3 x 4.8 CHS	350 MPa
EB1	EDGE BEAM	125 x 4.0 SHS	350 MPa

**APPROVED**

By TEJA GONUGUNTLA CPENG 1014220 at 10:17 am, Jun 10, 2025



PERSPECTIVE

GENERAL NOTES:-

- REGIONAL WIND SPEED, V500 = 45m/s.  
DESIGN WIND SPEED, Vdes = 39.5m/s ULTIMATE LIMIT STATES AT T.C.2.5
- THIS PVC FABRIC STRUCTURE HAS BEEN CHECKED AGAINST WATER PONDING LOAD OF 25kg/sqm, UNIFORMLY DISTRIBUTED. FABRIC MUST BE CHECKED ANNUALLY FOR LOSS OF TENSION, TEARS, ETC.
- ALL CHS/RHS/SHS SHALL COMPLY WITH AS/NZS1163 (GR. 350MPa U.N.O.). ALL UB/UC/PFC SHALL COMPLY WITH AS/NZS 679.1 (GR.300MPa U.N.O.). OTHER STEEL COMPONENTS GRADE 250MPa, U.N.O.
- FABRICATE AND ERECT STRUCTURAL STEELWORK IN ACCORDANCE WITH AS/NZS5131. CONSTRUCTION CATEGORY 2, ARCHITECTURALLY EXPOSED STRUCTURAL STEELWORK CATEGORY 2. EXCEPT WHERE SPECIFIED ON THESE DRAWINGS, COMPLIANCE WITH THIS CODE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- DE-BURR AND GRIND SMOOTH ALL SHARP STEEL EDGES (INCLUDING MEMBRANE PLATES & CLAMP PLATES) TO PROTECT FABRIC.
- CLOSED SECTIONS SHALL BE ADEQUATELY VENTED FOR GALVANISING, WHERE APPLICABLE.
- ALL CONNECTING BOLTS SHALL BE GRADE 8.8/S (AS/NZS 1252), GALVANISED, U.N.O. THE NUTS IN CONNECTIONS WITH ONLY ONE BOLT SHALL HAVE LOCK NUTS, SPLIT PIN OR SIMILAR.
- JOIN ALL SECTIONS WITH GENERAL PURPOSE 6mm CONTINUOUS JOIN ALL SECTIONS WITH GENERAL PURPOSE 6mm CONTINUOUS FILLET WELD (E48XX/W50X ELECTRODES), U.N.O.
- STEELWORKS CORROSION PROTECTION TO CLIENT'S SPECIFICATION.
- BUILDER TO VERIFY SITE DIMENSION PRIOR TO COMMENCEMENT OF WORK.
- SAFETY IN DESIGN:
  - Notice to persons who commissioned the design work depicted in these documents:- this notice is also relevant to all those involved in the construction of the works, its operation, and its demolition.
  - Activities which involve some risk to the health and safety of those involved occur
    - during the construction of these works including those not involved in the construction but who enter the construction site.
    - during the operation of these works.
    - during the maintenance required to maintain the initial level of safety.
    - during the eventual demolition of these works.

FABRIC & HARDWARE NOTES:-

- PVC FABRIC TO CLIENT'S SPECIFICATION.
- FABRIC PRESTRESS: 1kN/m WARP & 1kN/m WEFT. FABRIC PRESTRESS: 1kN/m WARP & 1kN/m WEFT.
- ALL CABLES SHALL BE 1x19 STRAND, GALV., U.N.O. CABLE TERMINATIONS AND RIGGING SCREWS SHALL TRANSMIT AT LEAST 95% OF THE SPECIFIED MINIMUM BREAKING LOAD (MBL) OF THE CABLE.
- ALL HARDWARE (e.g. SHACKLES & RIGGING SCREWS) SHALL BE RATED, GALV. OR STAINLESS STEEL.
- BUILDER TO CHECK THAT ALL CABLE TERMINATIONS FIT WITH THE DESIGNED CLEATS OR SUPPORT ATTACHMENT POINTS.

FOUNDATION NOTES:-

- FOUNDATION DESIGN BASED ON STIFF CLAY WITH THE FOLLOWING PARAMETERS:  
ALLOWABLE BEARING PRESSURE: 150kPa  
SIDE ADHESION: 20kPa  
UDSS COHESION: 50kPa  
TO BE CONFIRMED ON SITE BY INSPECTING ENGINEER.
- FOR POST CAST-IN BORED PIER, MASS CONCRETE GRADE 25MPa. OTHER FOOTINGS, CONCRETE GRADE 25MPa. REINFORCEMENT STEEL BARS GRADE 250MPa OR 500MPa & COVER TO STEEL 75mm MIN.
- NON-SHRINKAGE GROUT TO ACHIEVE 60MPa MINIMUM STRENGTH FOR ALL BASE PLATES.
- ALL HOLDING DOWN BOLTS SHALL BE GRADE 4.6/S (AS/NZS1111), GALVANISED, U.N.O.
- ALL CHEMICAL ANCHORS SHALL BE HILTI HIT-HY 200 INJECTION WITH HIT-V-F GALV. ANCHOR RODS. HOLES MUST BE HAMMER DRILLED. INSTALLATION TO MANUFACTURER'S SPECIFICATION.

- ANCHOR BOLT LOCATION TOLERANCES.  
PER AS 4100-1990
- 3mm FOR ANCHOR BOLT CENTRES WITHIN AN ANCHOR BOLT GROUP.
  - 6mm FOR ADJACENT ANCHOR BOLT GROUP CENTRES.
  - MAXIMUM ACCUMULATION OF 6mm PER 30m NOT TO EXCEED A TOTAL OF 25mm.
  - 6mm FROM ANCHOR BOLT GROUP CENTRE TO COLUMN LINE CENTRE.
- TOLERANCES - U.N.O.
- |                     |        |
|---------------------|--------|
| LESS THAN 50mm      | ±0.5mm |
| 50mm TO 2000mm      | ±1.0mm |
| GREATER THAN 2000mm | ±2.0mm |
| ALL ANGLES TO BE    | ±0.5°  |

PROTECTIVE COATINGS FOR  
STRUCTURAL STEELWORK

AS TAKEN FROM N.C.C. VOLUME 2				
ENVIRONMENT	LOCATION	MINIMUM PROTECTIVE COATING		
MODERATE:	INTERNAL	NO PROTECTION REQUIRED IN A PERMANENTLY DRY LOCATION. REFER NOTES		
MODERATE:	EXTERNAL	OPTION 1:	2 COATS ALKYD PRIMER	
		OPTION 2:	2 COATS ALKYD GLOSS	
		OPTION 3:	HOT DIP GALVANISED 300g/m2 MIN.	
		OPTION 4:	HOT DIP GALVANISED 100g/m2 MIN. PLUS- (A) 1 COAT SOLVENT BASED VINYL PRIMER; OR (B) 1 COAT VINYL GLOSS ALKYD	
SEVERE:	INTERNAL	OPTION 1:	2 COATS ALKYD PRIMER	
		OPTION 2:	2 COATS ALKYD GLOSS	
SEVERE:	EXTERNAL	OPTION 1:	INORGANIC ZINC PRIMER PLUS 2 COATS VINYL GLOSS FINISHING COATS	
		OPTION 2:	HOT DIP GALVANISED 300g/m2 MIN.	
		OPTION 3:	HOT DIP GALVANISED 100g/m2 MIN. PLUS- (A) 2 COATS SOLVENT BASED VINYL PRIMER; OR (B) 2 COATS VINYL GLOSS ALKYD	
AS/NZS 5131 STEELWORK CONSTRUCTION CATEGORY				
ELEMENT	IMPORTANCE LEVEL	SERVICE CATEGORY	FABRICATION CATEGORY	CONSTRUCTION CATEGORY
ALL STRUCTURAL STEELWORK	IL2	SC1	FC1	CC2
NOTES:				
1. ALL WORK TO BE CARRIED OUT TO N.C.C. TABLE 3.4.4.7				
2. MODERATE = HOUSE MORE THAN 1km FROM BREAKING SURF OR MORE THAN 100m FROM A FLAT BODY OF SALT WATER OR NON-HEAVY INDUSTRIAL AREAS.				
3. SEVERE = HOUSE WITHIN 1km OF BREAKING SURF OR 100m OF A FLAT BODY OF SALT WATER OR HEAVY INDUSTRIAL AREAS.				
4. HOT DIP GALVANIZE MEANS TO HOT DIP GALVANIZE THE ASSEMBLY				

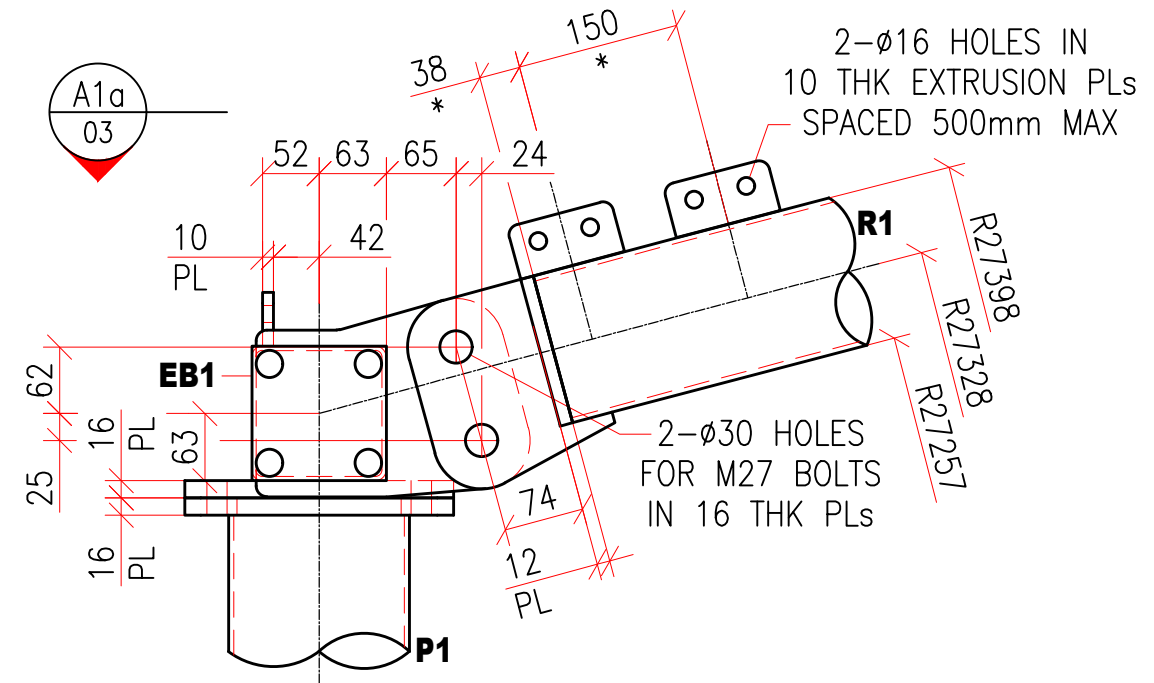
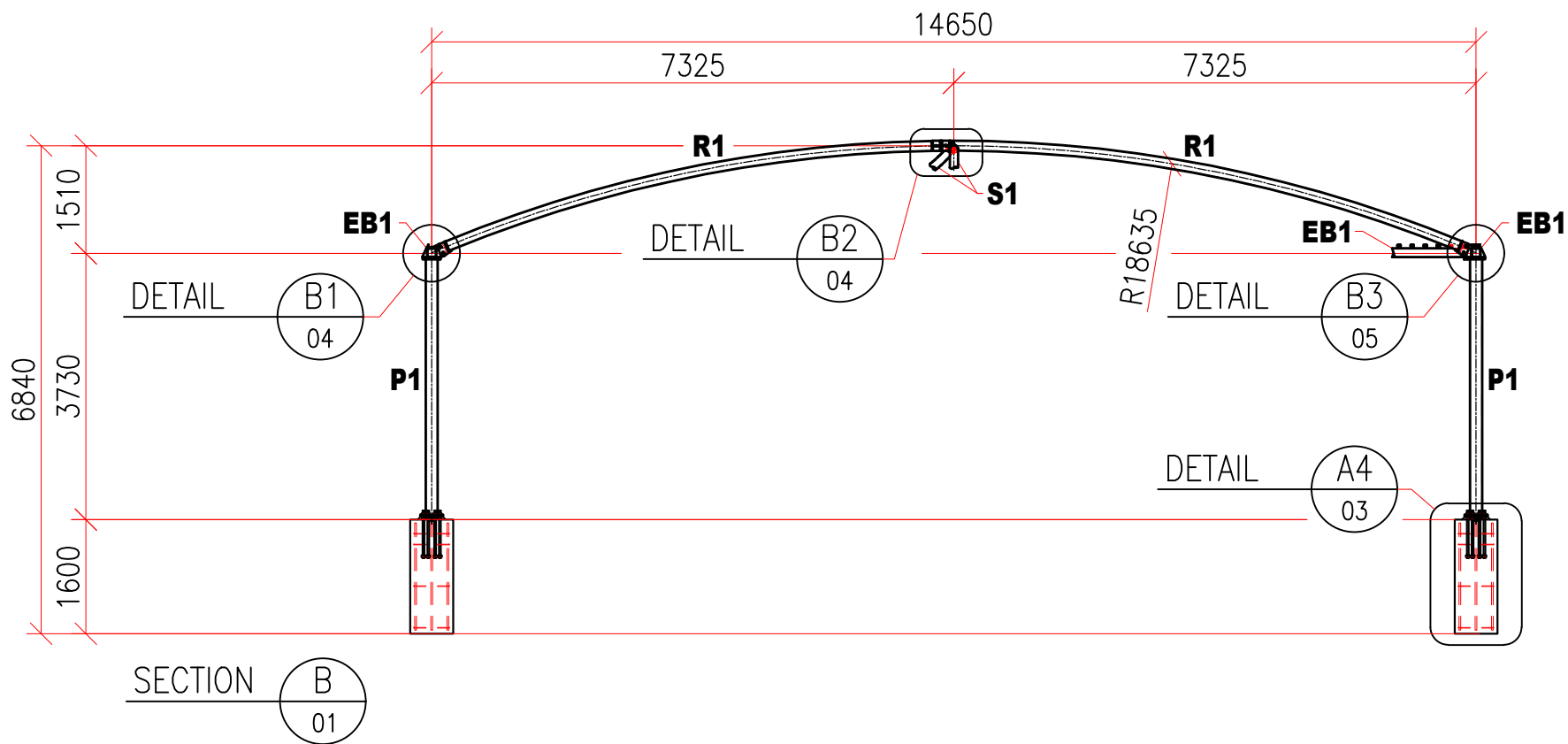
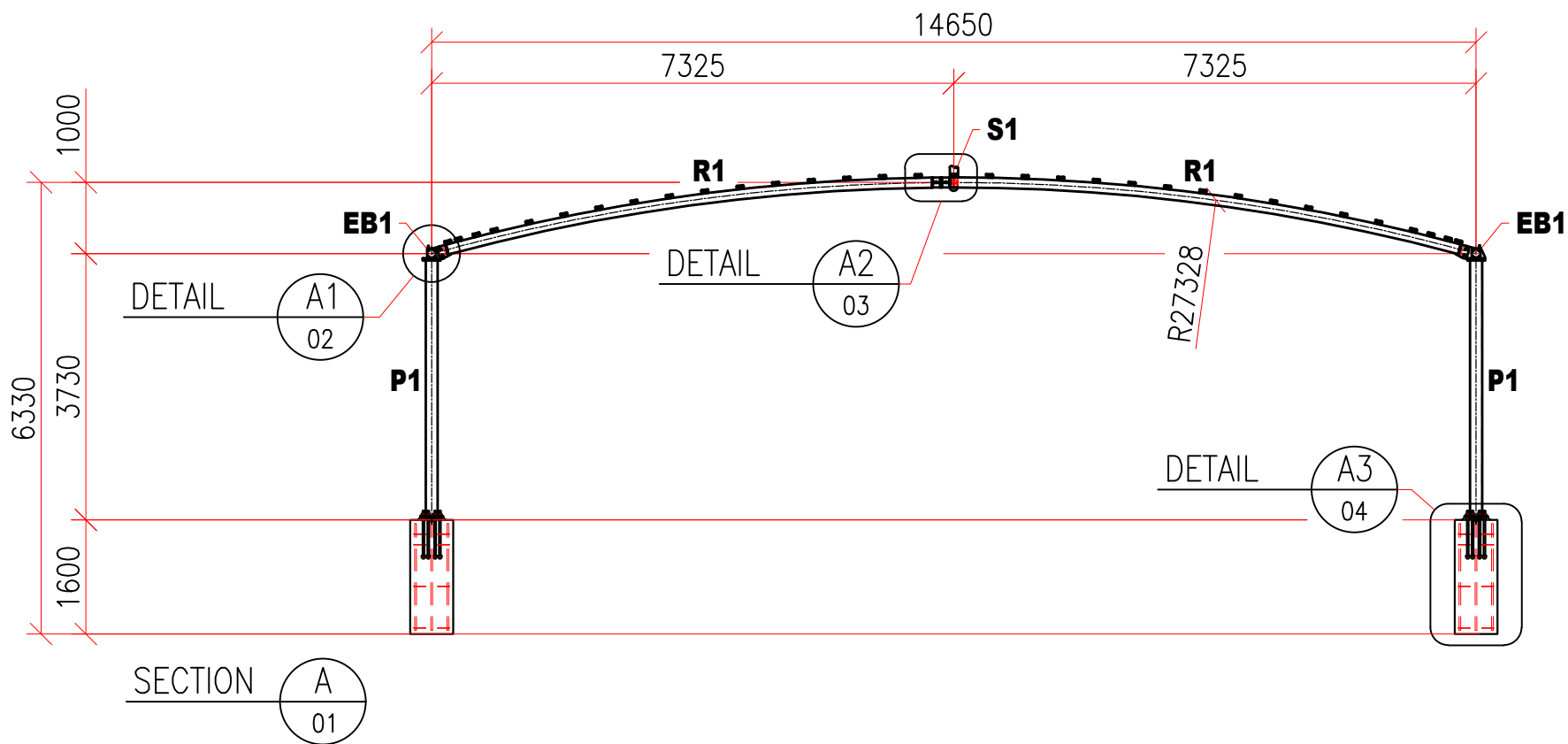
KAINGAROA SCHOOL  
5465 STATE HIGHWAY 10, KAINGAROA 0483  
PROPOSED BARREL STRUCTURE  
ENGINEERING DRAWINGS

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JOB NO:	PMG24-486
DRAWING NO:	PMG24486-01
DATE:	09/06/2025
ISSUE NO:	A
DRAWN BY:	P.M
SCALE:	NTS

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Ph: 0800 881 632





**APPROVED**

By TEJA GONUGUNTLA CPENG 1014220 at 10:17 am, Jun 10, 2025

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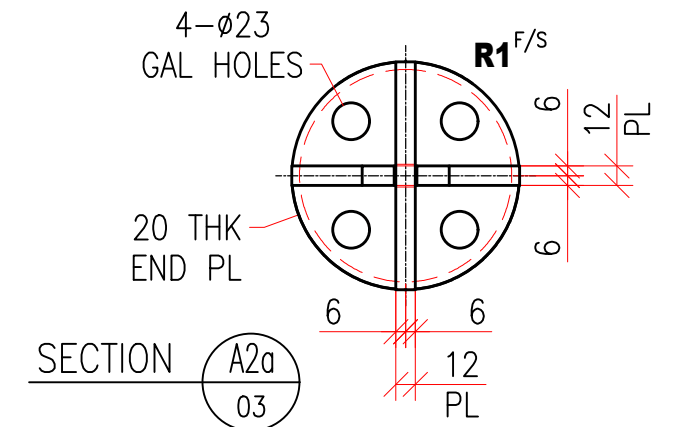
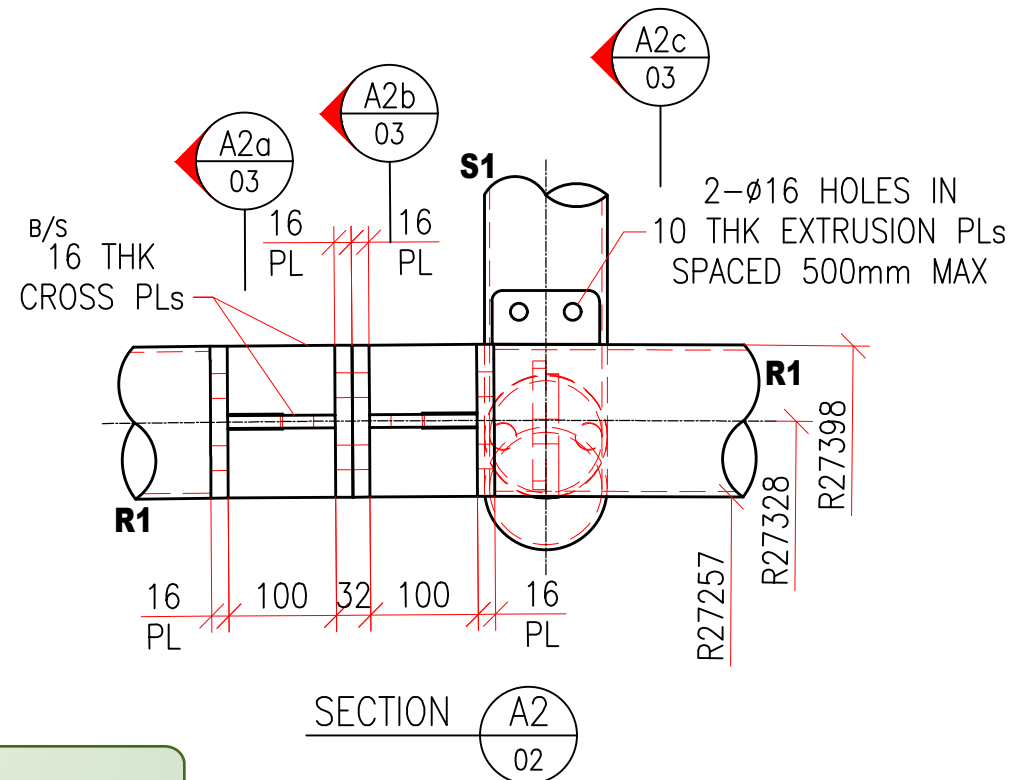
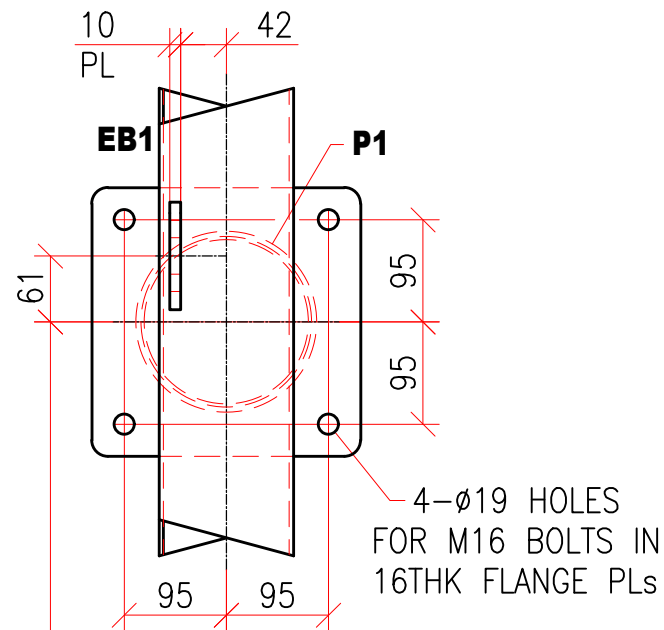
**KAINGAROA SCHOOL**  
**5465 STATE HIGHWAY 10, KAINGAROA 0483**  
**PROPOSED BARREL STRUCTURE**  
**ENGINEERING DRAWINGS**

JOB NO:	PMG24-486
DRAWING NO:	PMG24486-02
DATE:	09/06/2025
ISSUE NO:	A
DRAWN BY:	P.M
SCALE:	NTS

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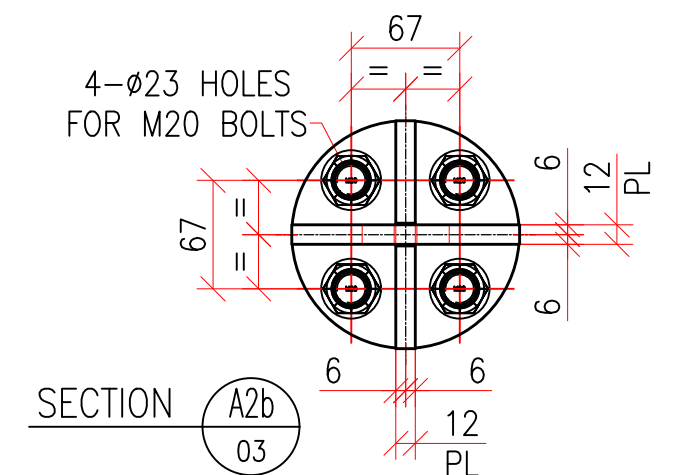
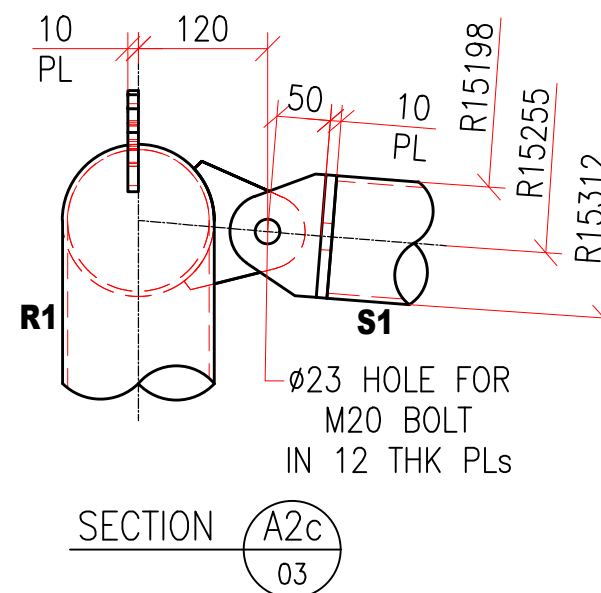
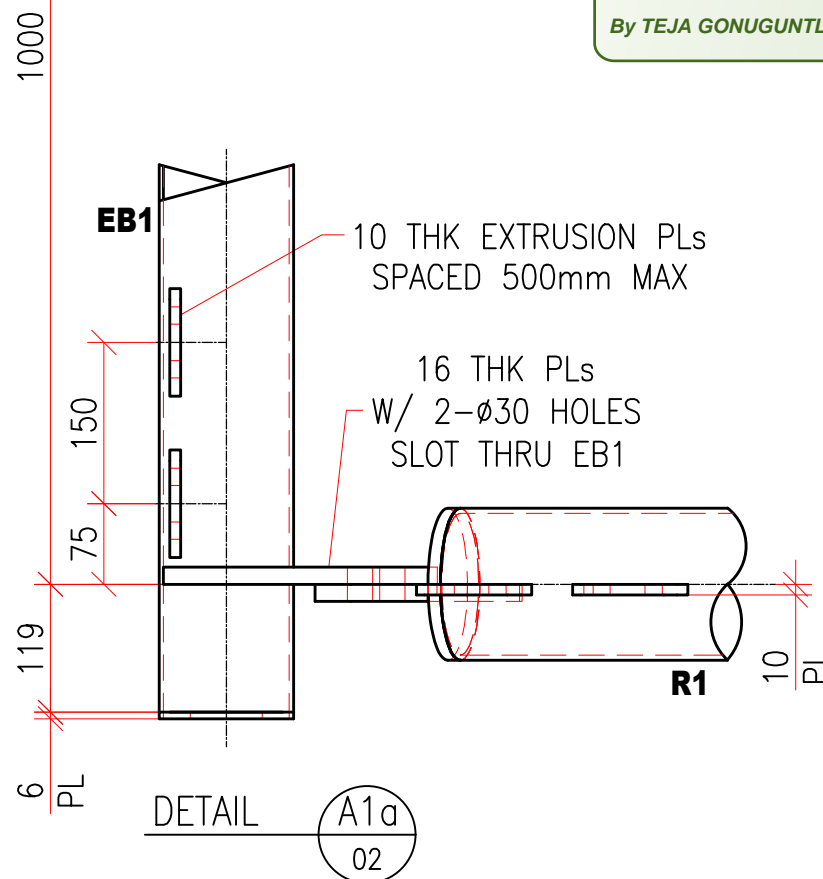


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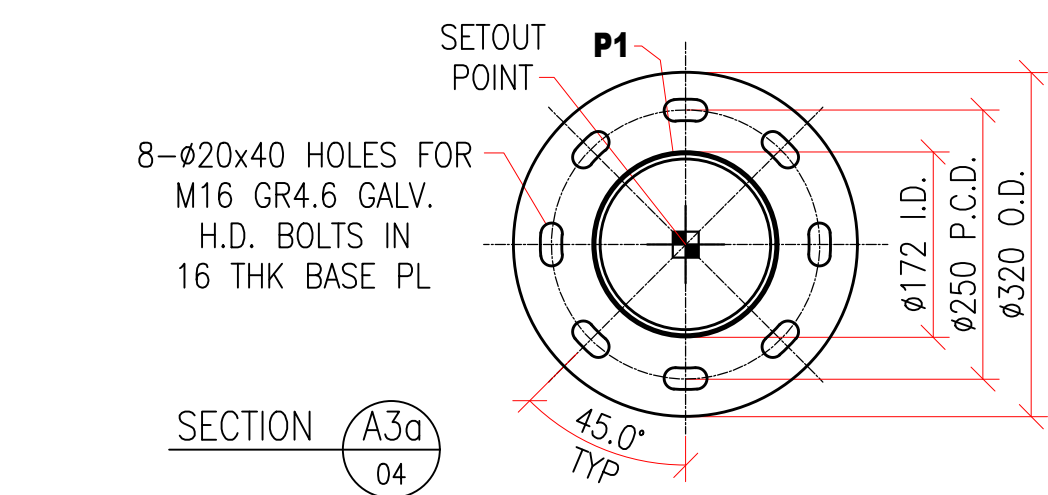
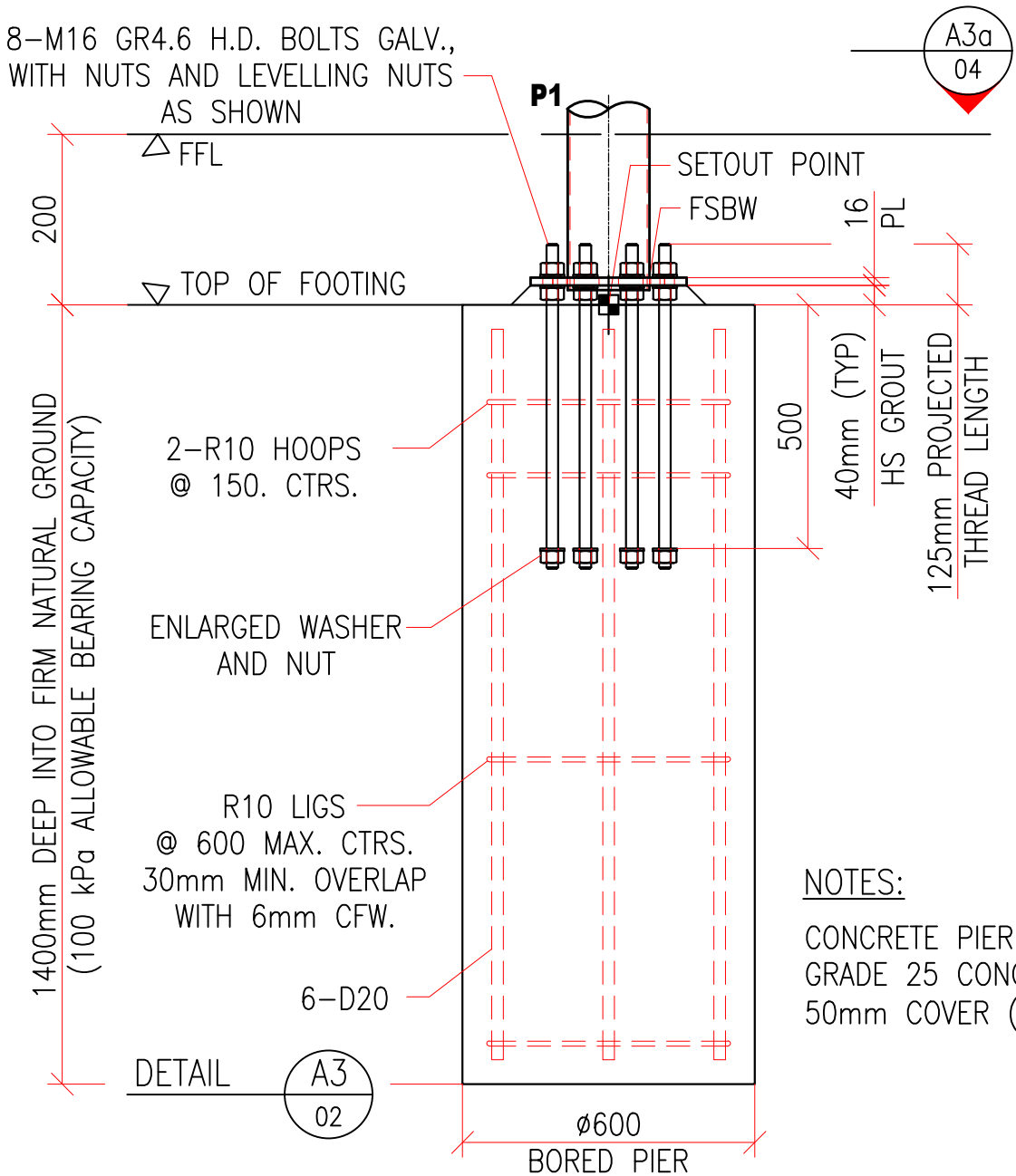
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**ENGINEERING DRAWINGS**

JOB NO:	PMG24-486
DRAWING NO:	PMG24486-03
DATE:	09/06/2025
ISSUE NO:	A
DRAWN BY:	P.M
SCALE:	NTS

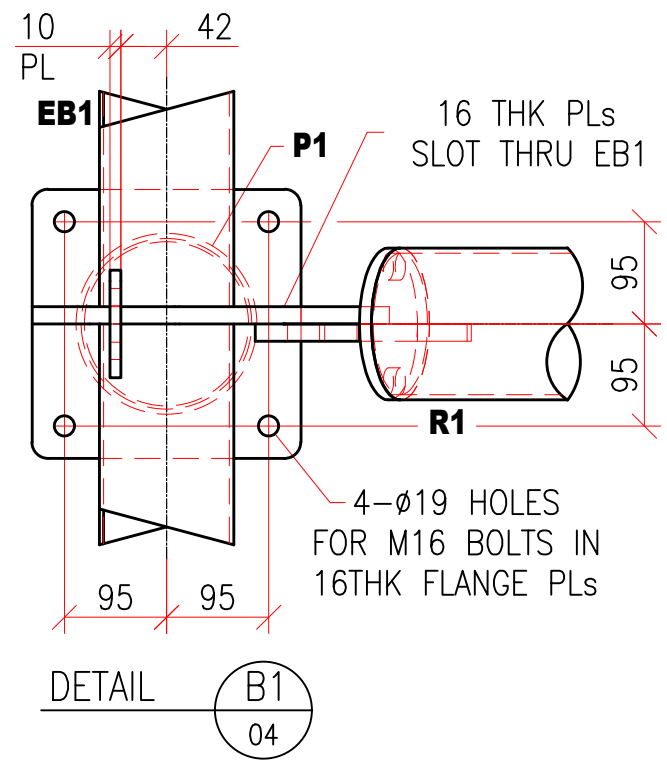
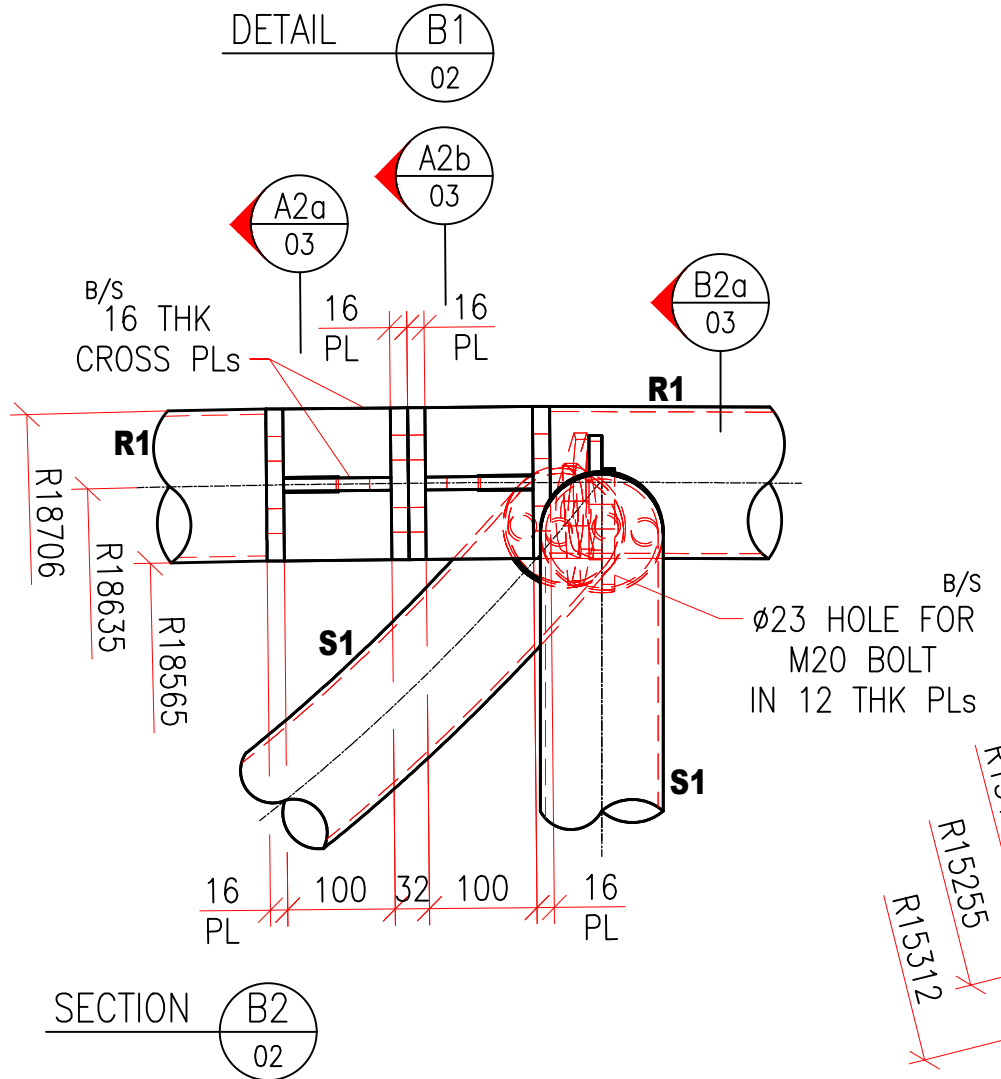
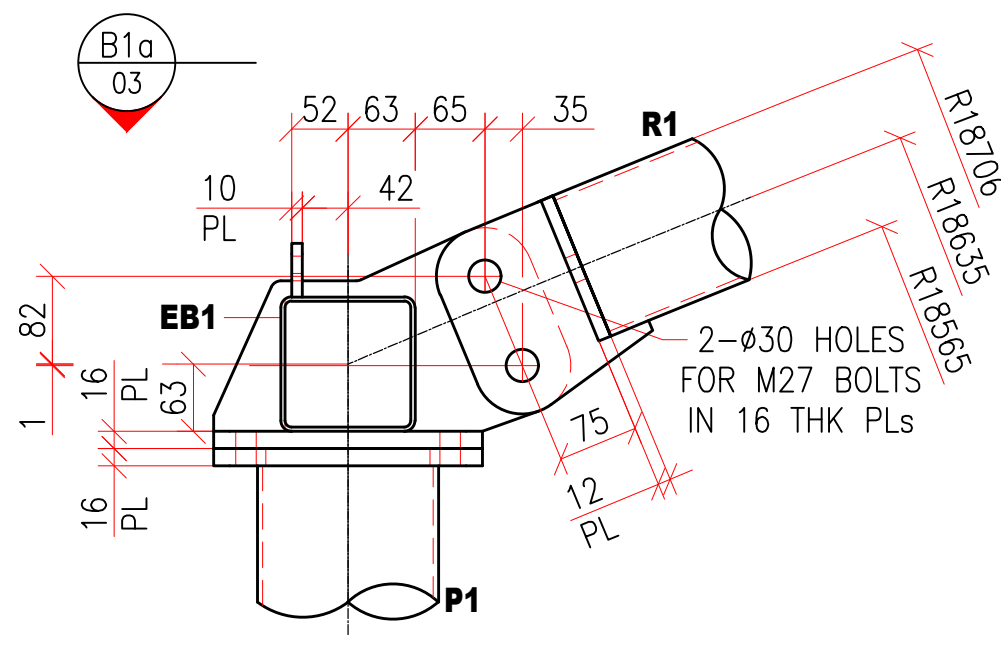
New Zealand:  
52 Glenlyon Ave,  
Greerton Tauranga 3112  
Ph: 0800 881 632



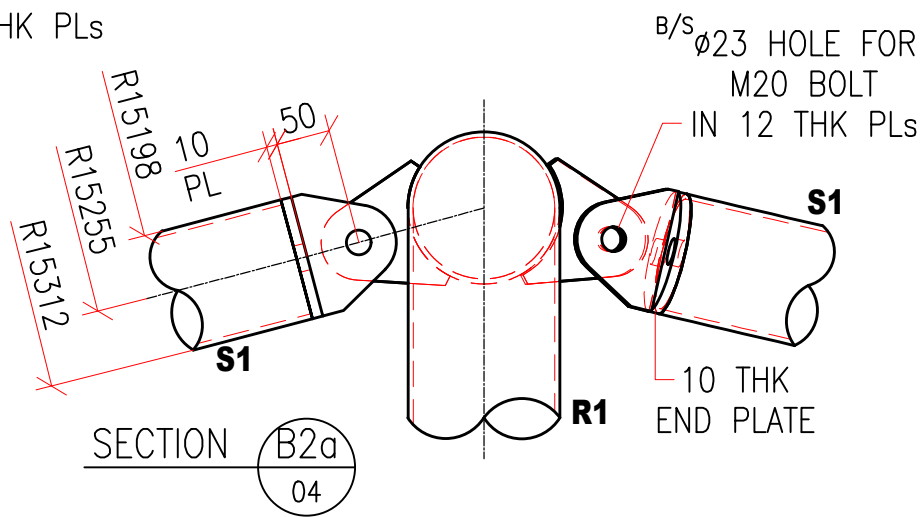
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NOTES:  
CONCRETE PIER  
GRADE 25 CONCRETE  
50mm COVER (MIN)



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By TEJA GONUGUNTLA CPENG 1014220 at 10:17 am, Jun 10, 2025



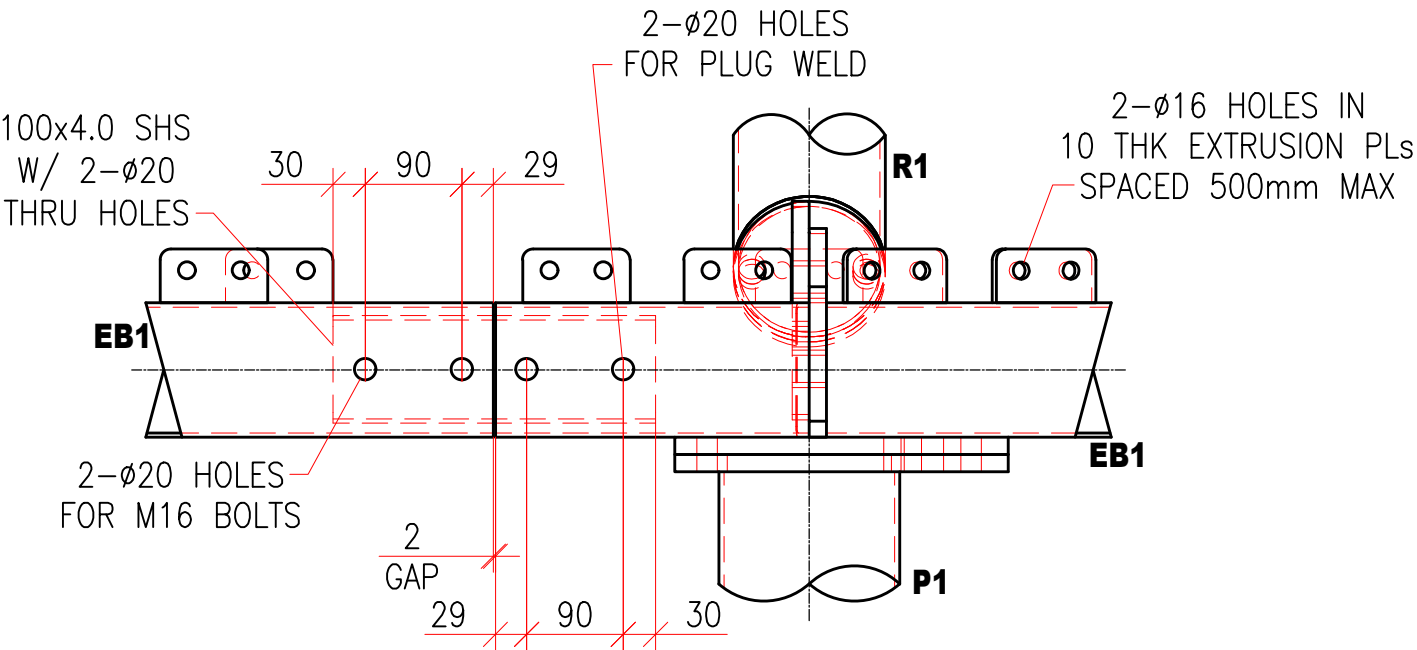
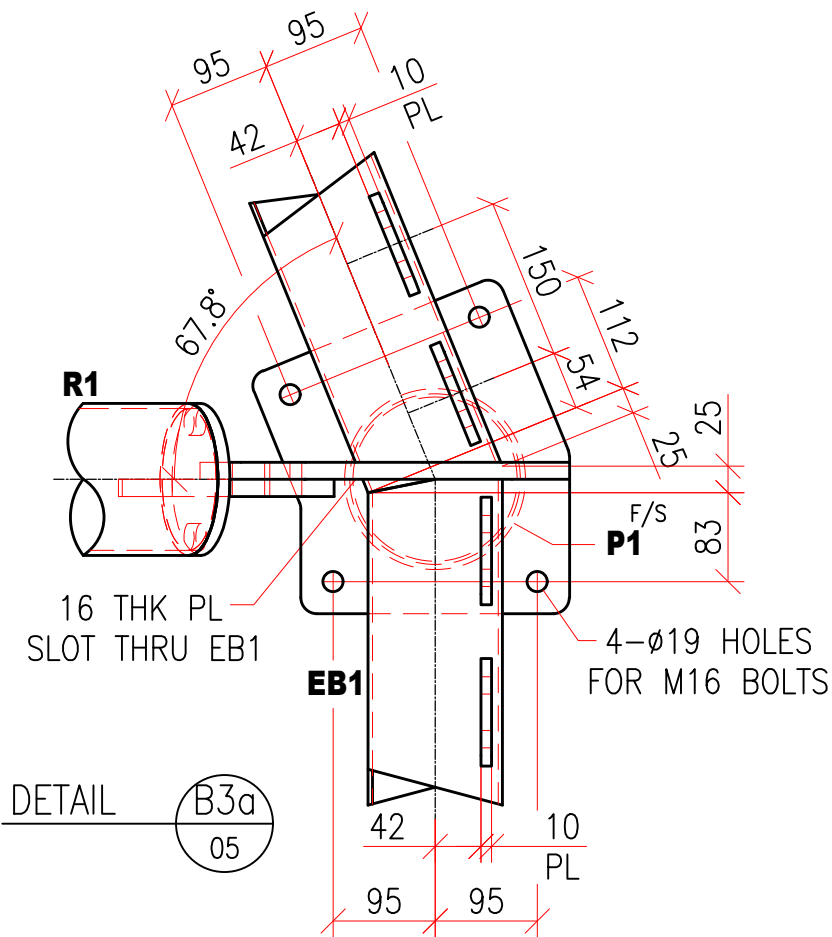
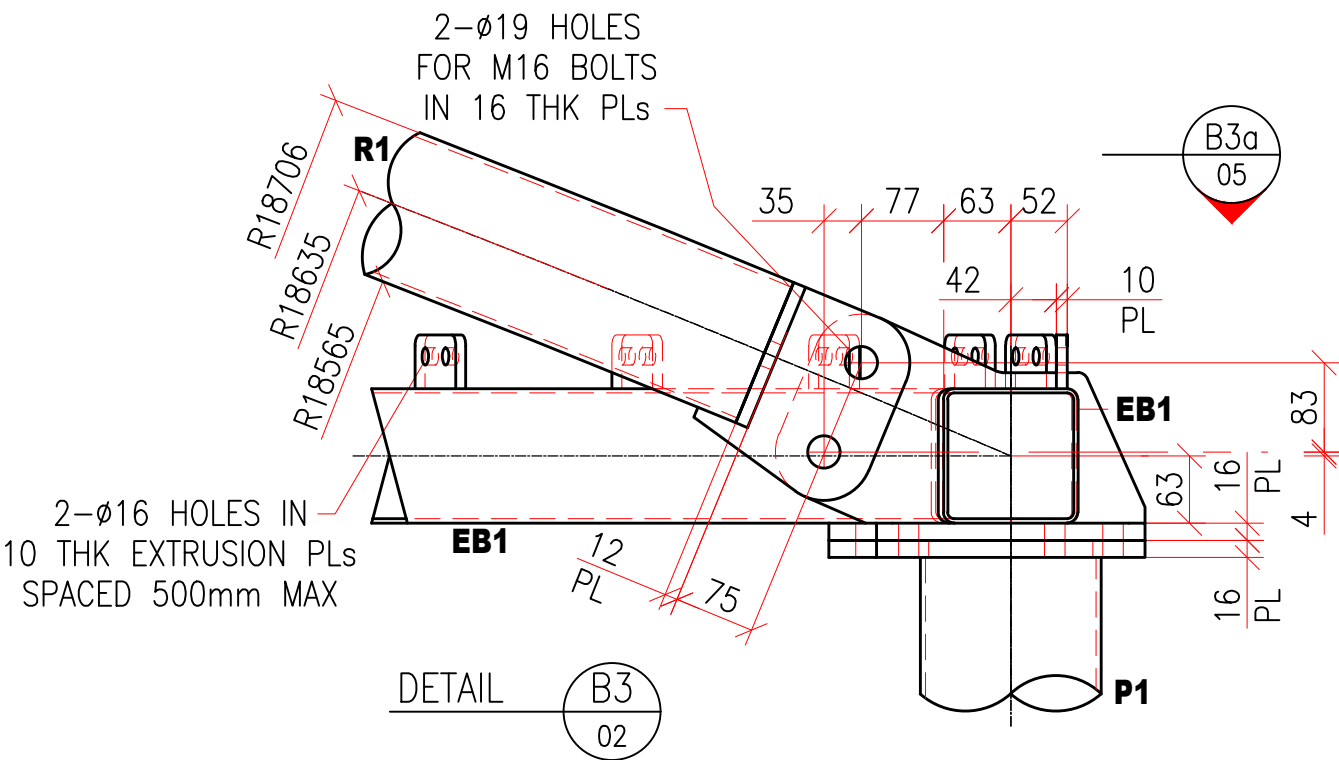
**KAINGAROA SCHOOL**  
**5465 STATE HIGHWAY 10, KAINGAROA 0483**  
**PROPOSED BARREL STRUCTURE**  
**ENGINEERING DRAWINGS**

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JOB NO:	PMG24-486
DRAWING NO:	PMG24486-04
DATE:	09/06/2025
ISSUE NO:	A
DRAWN BY:	P.M
SCALE:	NTS

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By TEJA GONUGUNTLA CPENG 1014220 at 10:17 am, Jun 10, 2025

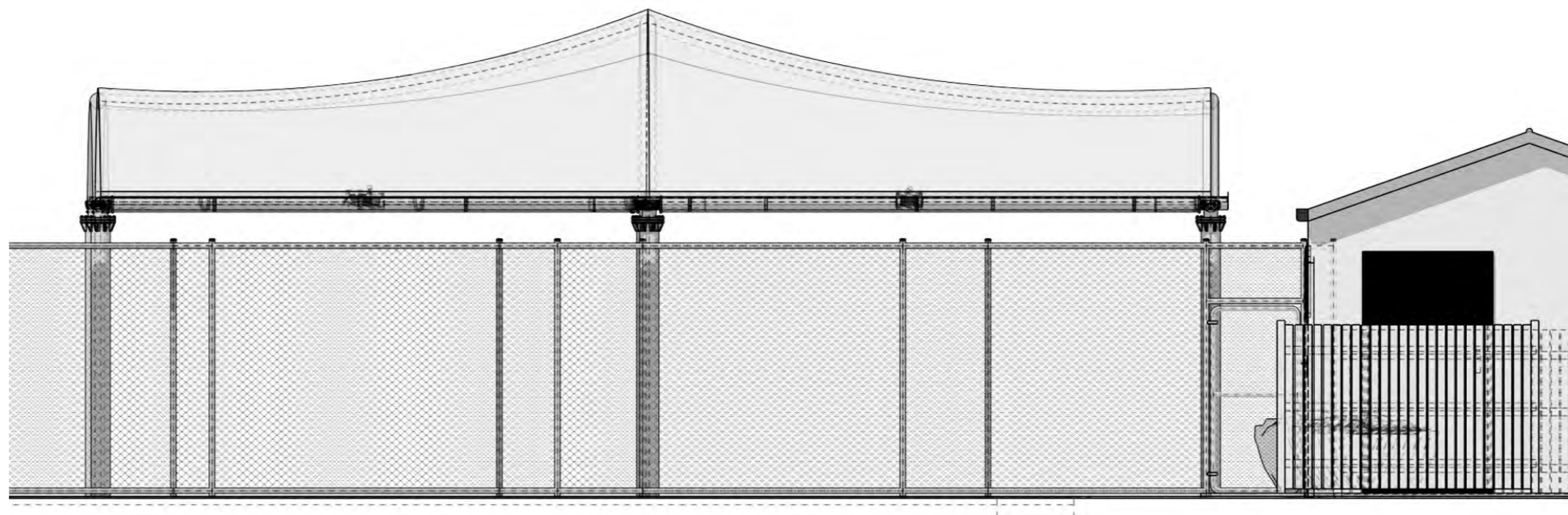
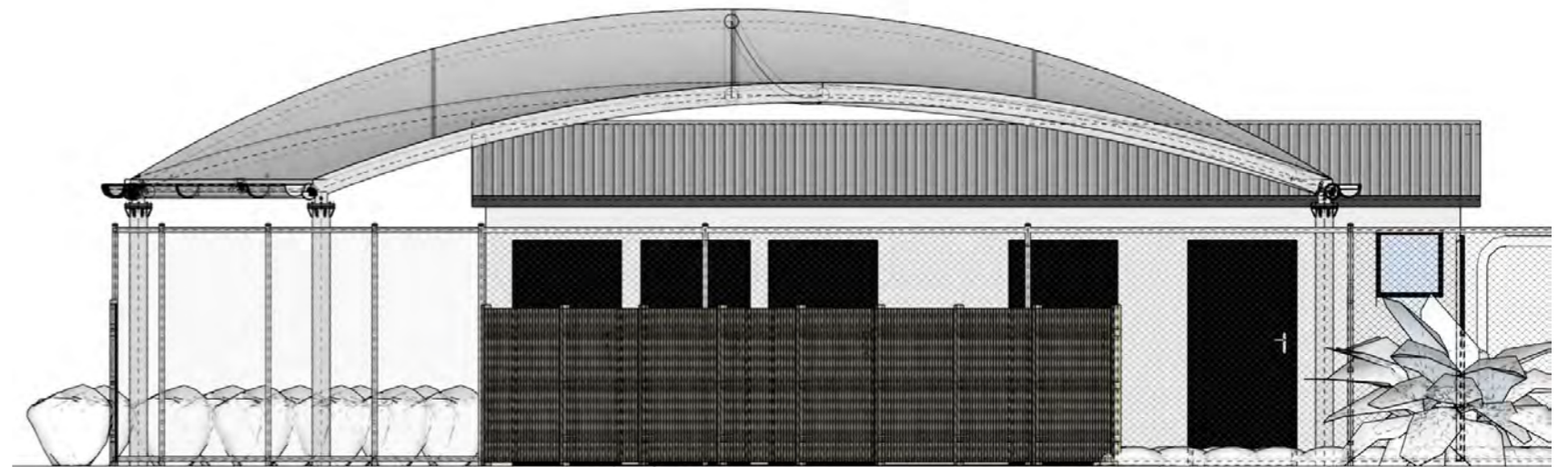
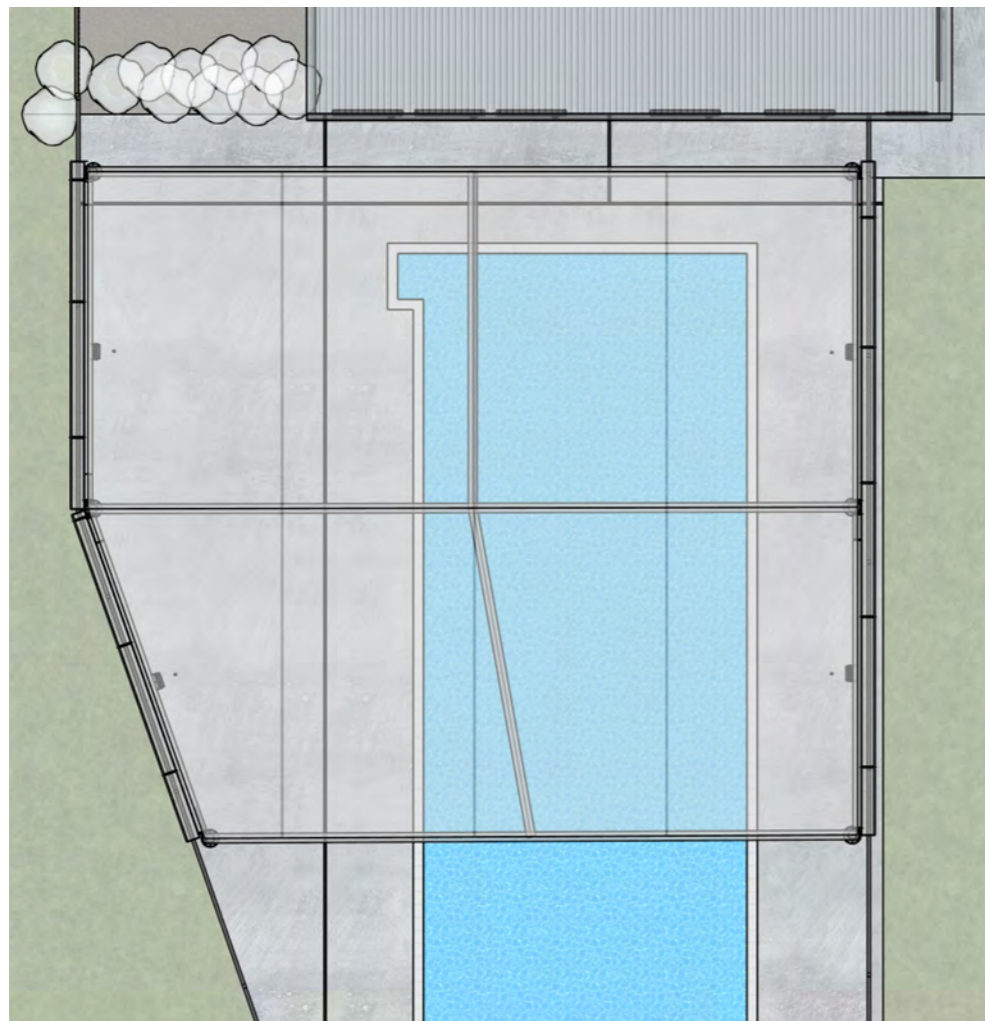
KAINGAROA SCHOOL  
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PROPOSED BARREL STRUCTURE  
ENGINEERING DRAWINGS

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JOB NO:	PMG24-486
DRAWING NO:	PMG24486-05
DATE:	09/06/2025
ISSUE NO:	A
DRAWN BY:	P.M
SCALE:	NTS

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Ph: +64 7 571 0559

Proposed Project: Covered Outdoor Canopy Structure.	Date 13/11/2024

Approx. Dimensions: As per Supplied Tender	Client: Kaingaroa School	Drawing By WH
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52 Glenlyon Avenue  
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Proposed Project:  
Covered Outdoor Canopy Structure.

Date  
13/11/2024

Approx. Dimensions:  
As per Supplied Tender

Client:  
Kaingaroa School

Drawing By  
WH

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Proposed Project: Covered Outdoor Canopy Structure.	Date 13/11/2024

Approx. Dimensions: As per Supplied Tender	Client: Kaingaroa School	Drawing By WH
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Covered Outdoor Canopy Structure.

Date  
13/11/2024

Approx. Dimensions:  
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Proposed Project: Covered Outdoor Canopy Structure.	Date 13/11/2024

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 <div>52 Glenlyon Avenue Greerton , 3112 Ph: +64 7 571 0559</div>	Proposed Project: Covered Outdoor Canopy Structure.	Date 13/11/2024	Approx. Dimensions: As per Supplied Tender	Client: Kaingaroa School	Drawing By WH
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Proposed Project:  
Covered Outdoor Canopy Structure.

Date  
13/11/2024

Approx. Dimensions:  
As per Supplied Tender

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