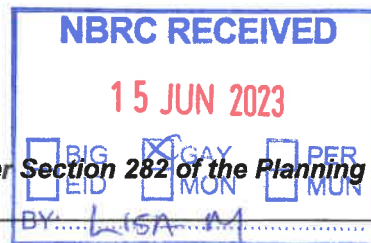


DA Form 2 – Building work details

Approved form (version 1.2 effective 7 February 2020) made under Section 282 of the Planning Act 2016.



This form **must** be used to make a development application involving **building work**.

For a development application involving **building work only**, use this form (DA Form 2) only. The DA Forms Guide provides advice about how to complete this form.

For a development application involving **building work associated and any other type of assessable development** (i.e. material change of use, operational work or reconfiguring a lot), use *DA Form 1 – Development application details* and parts 4 to 6 of this form (DA Form 2).

Unless stated otherwise, all parts of this form **must** be completed in full and all required supporting information **must** accompany the development application.

One or more additional pages may be attached as a schedule to this development application if there is insufficient space on the form to include all the necessary information.

This form and any other form relevant to the development application must be used to make a development application relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994*, and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. For the purpose of assessing a development application relating to strategic port land and Brisbane core port land, any reference to a planning scheme is taken to mean a land use plan for the strategic port land, Brisbane port land use plan for Brisbane core port land, or a land use plan for airport land.

Note: All terms used in this form have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules).

PART 1 – APPLICANT DETAILS

| | |
|---|---------------------------------|
| 1) Applicant details | |
| Applicant name(s) (individual or company full name) | DRIVERS CONCRETE + CONSTRUCTION |
| Contact name (only applicable for companies) | LINCOLN DRIVER |
| Postal address (PO Box or street address) | 2 DOWNING ST |
| Suburb | GAYNDARH |
| State | QLD |
| Postcode | 4625 |
| Country | AUSTRALIA |
| Contact number | 0428408401 |
| Email address (non-mandatory) | admin@driversconcrete.com |
| Mobile number (non-mandatory) | |
| Fax number (non-mandatory) | |
| Applicant's reference number(s) (if applicable) | |

PART 2 – LOCATION DETAILS

| | |
|---|--|
| 2) Location of the premises (complete 2.1 and 2.2 if applicable) | |
| Note: Provide details below and attach a site plan for any or all premises part of the development application. For further information, see <i>DA Forms Guide: Relevant plans</i> . | |
| 2.1) Street address and lot on plan | |
| <input checked="" type="checkbox"/> Street address AND lot on plan (all lots must be listed), or | |
| <input type="checkbox"/> Street address AND lot on plan for an adjoining or adjacent property of the premises (appropriate for development in water but adjoining or adjacent to land e.g. jetty, pontoon. All lots must be listed). | |



Queensland
Government

| | | | |
|----------|------------|------------------------------------|--------------------------|
| Unit No. | Street No. | Street Name and Type | Suburb |
| | 21 | MITCHELL ST | MONTO |
| Postcode | Lot No. | Plan Type and Number (e.g. RP, SP) | Local Government Area(s) |
| 4630 | 124 | M74746 | NORTH BURNETT - BAILEY |

2.2) Additional premises

- ☐ Additional premises are relevant to this development application and the details of these premises have been attached in a schedule to this development application.
- ☐ Not required

3) Are there any existing easements over the premises?

Note: Easement uses vary throughout Queensland and are to be identified correctly and accurately. For further information on easements and how they may affect the proposed development, see the DA Forms Guide.

- ☐ Yes – All easement locations, types and dimensions are included in plans submitted with this development application
- ☒ No

PART 3 – FURTHER DETAILS

4) Is the application only for building work assessable against the building assessment provisions?

- ☐ Yes – proceed to 8)
- ☒ No

5) Identify the assessment manager(s) who will be assessing this development application

6) Has the local government agreed to apply a superseded planning scheme for this development application?

- ☐ Yes – a copy of the decision notice is attached to this development application
- ☐ The local government is taken to have agreed to the superseded planning scheme request – relevant documents attached
- ☐ No

7) Information request under Part 3 of the DA Rules

- ☐ I agree to receive an information request if determined necessary for this development application
- ☐ I do not agree to accept an information request for this development application

Note: By not agreeing to accept an information request I, the applicant, acknowledge:

- that this development application will be assessed and decided based on the information provided when making this development application and the assessment manager and any referral agencies relevant to the development application are not obligated under the DA Rules to accept any additional information provided by the applicant for the development application unless agreed to by the relevant parties.
- Part 3 of the DA Rules will still apply if the application is an application listed under section 11.3 of the DA Rules.

Further advice about information requests is contained in the DA Forms Guide.

8) Are there any associated development applications or current approvals?

- ☐ Yes – provide details below or include details in a schedule to this development application
- ☒ No

| List of approval/development application | Reference | Date | Assessment manager |
|--|-----------|------|--------------------|
| <input type="checkbox"/> Approval | | | |
| <input type="checkbox"/> Development application | | | |
| <input type="checkbox"/> Approval | | | |
| <input type="checkbox"/> Development application | | | |

9) Has the portable long service leave levy been paid?

- ☐ Yes – a copy of the receipted QLeave form is attached to this development application
- ☐ No – I, the applicant will provide evidence that the portable long service leave levy has been paid before the assessment manager decides the development application. I acknowledge that the assessment manager may give a development approval only if I provide evidence that the portable long service leave levy has been paid
- ☒ Not applicable (e.g. building and construction work is less than \$150,000 excluding GST)

| Amount paid | Date paid (dd/mm/yy) | QLeave levy number (A, B or E) |
|-------------|----------------------|--------------------------------|
| \$ 386.15 | 15-6-23 | |

10) Is this development application in response to a show cause notice or required as a result of an enforcement notice?

- ☐ Yes – show cause or enforcement notice is attached
- ☒ No

11) Identify any of the following further legislative requirements that apply to any aspect of this development application

- ☐ The proposed development is on a place entered in the **Queensland Heritage Register** or in a local government's **Local Heritage Register**. See the guidance provided at www.des.qld.gov.au about the requirements in relation to the development of a Queensland heritage place

| Name of the heritage place: | Place ID: |
|-----------------------------|-----------|
| | |

PART 4 – REFERRAL DETAILS

12) Does this development application include any building work aspects that have any referral requirements?

- ☐ Yes – the *Referral checklist for building work* is attached to this development application
- ☒ No – proceed to Part 5

13) Has any referral agency provided a referral response for this development application?

- ☐ Yes – referral response(s) received and listed below are attached to this development application
- ☐ No

| Referral requirement | Referral agency | Date referral response |
|----------------------|-----------------|------------------------|
| | | |
| | | |

Identify and describe any changes made to the proposed development application that was the subject of the referral response and this development application, or include details in a schedule to this development application (if applicable)

PART 5 – BUILDING WORK DETAILS

14) Owner's details

- ☐ Tick if the applicant is also the owner and proceed to 15). Otherwise, provide the following information.

| | |
|---|------------------------|
| Name(s) (individual or company full name) | Malcom + Elaine Obrien |
| Contact name (applicable for companies) | Malcom Obrien |
| Postal address (P.O. Box or street address) | 6 DOWNING ST |
| Suburb | GAYNDAH |
| State | QLD |

| | |
|-------------------------------|-------------------------|
| Postcode | 4625 |
| Country | AUSTRALIA |
| Contact number | 0434 255 886 |
| Email address (non-mandatory) | obrienelaine0@gmail.com |
| Mobile number (non-mandatory) | |
| Fax number (non-mandatory) | |

15) Builder's details

☐ Tick if a builder has not yet been engaged to undertake the work and proceed to 16). Otherwise provide the following information.

| | |
|---|---------------------------------|
| Name(s) (individual or company full name) | DRIVERS CONCRETE + CONSTRUCTION |
| Contact name (applicable for companies) | LINCOLN DRIVER |
| QBCC licence or owner – builder number | 15294870 |
| Postal address (P.O. Box or street address) | 2 DOWNING ST |
| Suburb | CAYNDAH |
| State | QLD |
| Postcode | 4625 |
| Contact number | 0428408401 |
| Email address (non-mandatory) | admin@driversconcrete.com |
| Mobile number (non-mandatory) | |
| Fax number (non-mandatory) | |

16) Provide details about the proposed building work

What type of approval is being sought?

- ☒ Development permit
☐ Preliminary approval

b) What is the level of assessment?

- ☒ Code assessment
☐ Impact assessment (requires public notification)

c) Nature of the proposed building work (tick all applicable boxes)

- | | |
|--|--|
| <input checked="" type="checkbox"/> New building or structure | <input type="checkbox"/> Repairs, alterations or additions |
| <input type="checkbox"/> Change of building classification (involving building work) | <input type="checkbox"/> Swimming pool and/or pool fence |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Relocation or removal |

d) Provide a description of the work below or in an attached schedule.

GARAGE

e) Proposed construction materials

| | | | |
|----------------|--|---|--|
| External walls | <input type="checkbox"/> Double brick | <input checked="" type="checkbox"/> Steel | <input type="checkbox"/> Curtain glass |
| | <input type="checkbox"/> Brick veneer | <input type="checkbox"/> Timber | <input type="checkbox"/> Aluminium |
| | <input type="checkbox"/> Stone/concrete | <input type="checkbox"/> Fibre cement | <input type="checkbox"/> Other |
| Frame | <input type="checkbox"/> Timber | <input checked="" type="checkbox"/> Steel | <input type="checkbox"/> Aluminium |
| | <input type="checkbox"/> Other | | |
| Floor | <input checked="" type="checkbox"/> Concrete | <input type="checkbox"/> Timber | <input type="checkbox"/> Other |
| Roof covering | <input type="checkbox"/> Slate/concrete | <input type="checkbox"/> Tiles | <input type="checkbox"/> Fibre cement |
| | <input type="checkbox"/> Aluminium | <input checked="" type="checkbox"/> Steel | <input type="checkbox"/> Other |

f) Existing building use/classification? (if applicable)

| | | |
|---|----------------------|------------------|
| g) New building use/classification? (if applicable) | | |
| 10A | | |
| h) Relevant plans <i>Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see DA Forms Guide: Relevant plans.</i> | | |
| <input checked="" type="checkbox"/> Relevant plans of the proposed works are attached to the development application | | |
| 17) What is the monetary value of the proposed building work? | | |
| \$ 28000 | | |
| 18) Has Queensland Home Warranty Scheme Insurance been paid? | | |
| <input type="checkbox"/> Yes – provide details below | | |
| <input type="checkbox"/> No | | |
| Amount paid | Date paid (dd/mm/yy) | Reference number |
| \$ | | |

PART 6 – CHECKLIST AND APPLICANT DECLARATION

| | |
|---|---|
| 19) Development application checklist | |
| The relevant parts of Form 2 – Building work details have been completed | <input type="checkbox"/> Yes |
| This development application includes a material change of use, reconfiguring a lot or operational work and is accompanied by a completed Form 1 – Development application details | <input type="checkbox"/> Yes <input type="checkbox"/> Not applicable |
| Relevant plans of the development are attached to this development application <i>Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see DA Forms Guide: Relevant plans.</i> | <input type="checkbox"/> Yes |
| The portable long service leave levy for QLeave has been paid, or will be paid before a development permit is issued (see 9) | <input type="checkbox"/> Yes <input type="checkbox"/> Not applicable |
| 20) Applicant declaration | |
| <input type="checkbox"/> By making this development application, I declare that all information in this development application is true and correct | |
| <input type="checkbox"/> Where an email address is provided in Part 1 of this form, I consent to receive future electronic communications from the assessment manager and any referral agency for the development application where written information is required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Act 2001</i> | |
| <i>Note: It is unlawful to intentionally provide false or misleading information.</i> | |
| <p>Privacy – Personal information collected in this form will be used by the assessment manager and/or chosen assessment manager, any referral agency and/or building certifier (including any professional advisers which may be engaged by those entities) while processing, assessing and deciding the development application. All information relating to this development application may be available for inspection and purchase, and/or published on the assessment manager's and/or referral agency's website. Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>, <i>Planning Regulation 2017</i> and the DA Rules except where:</p> <ul style="list-style-type: none"> such disclosure is in accordance with the provisions about public access to documents contained in the <i>Planning Act 2016</i> and the <i>Planning Regulation 2017</i>, and the access rules made under the <i>Planning Act 2016</i> and <i>Planning Regulation 2017</i>; or required by other legislation (including the <i>Right to Information Act 2009</i>); or otherwise required by law. <p>This information may be stored in relevant databases. The information collected will be retained as required by the <i>Public Records Act 2002</i>.</p> | |

NOTICE OF COVER QUEENSLAND HOME WARRANTY SCHEME

Subject to the limitations and exclusions expressed in schedule 6 QBCC Regulation 2018

| | |
|--------------------------------|--|
| COVER COMMENCEMENT DATE | 1 June 2023 |
| NOTIFICATION NUMBER | 014596065 |
| THE LAND | Address: 21 MITCHELL ST MONTGOMERY |
| | Real Property Description: Lot 24 On M 74746 |
| THE CONTRACTOR | Name Driver's Concrete & Constructions Pty Ltd |
| | Address: 2 Downing St Gayndah QLD 4625 |
| | Licence No.: 15294870 |
| | Licence Class: Carpentry |

The Insured Residential Construction Work

| Type of Work | Description of Work |
|--------------|---------------------|
|--------------|---------------------|

| | |
|---------------------------------|--------|
| Reno/Alter/Add/Repair/Extension | Garage |
|---------------------------------|--------|

| | |
|------------------|-------------|
| Insurable Value: | \$28,000.00 |
|------------------|-------------|

| | |
|---------------|----------|
| Premium Paid: | \$386.15 |
|---------------|----------|

| | |
|----------------------------------|-----------|
| OPTIONAL ADDITIONAL COVER | No |
|----------------------------------|-----------|

NOTE:

This Notice is issued in respect of Residential Construction Work as described in the Queensland Building and Construction Commission Act 1991 and confirms for the assessment manager or compliance assessor that the appropriate insurance premium has been paid as required by section 68E of the Act. These particulars are current at the date of issue but may change subsequent to that date.

IMPORTANT INFORMATION:

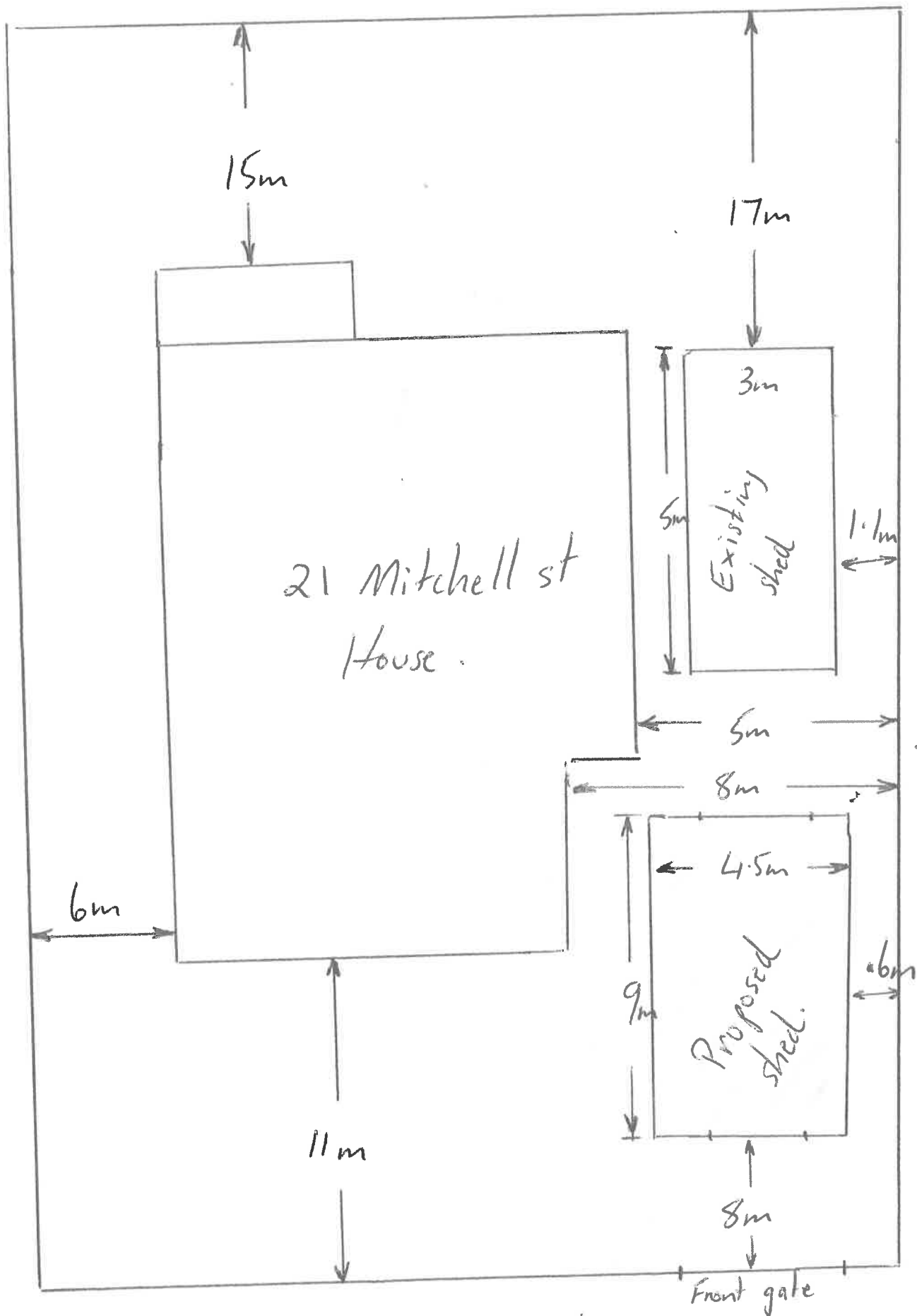
Ensure you obtain and keep the following documents in case you need to make an insurance claim at any time within the 6 year 6 month insurance period:

- A complete copy of the contract, signed by all parties
- All contract variations, in writing and signed by all parties to the contract
- A copy of the building specification and approved building plans
- Receipts or other evidence of all payments made to the builder.

NOTE THE FOLLOWING EXCLUSIONS AND LIMITATIONS:

- Duplex – if the duplex is not completed by the contractor, any claim for completion, including defects in the incomplete work, is limited to \$200,000.
- Three or more living units – a person who enters into 1 or more contracts to build 3 or more living units is not entitled to assistance. Subsequent purchasers of a unit are entitled to assistance.
- Construction Management or Cost-Plus contracts – where these types of contracts have been used there is no entitlement to make a claim to complete incomplete works. There is cover for defects.

Beadell Street



Mitchell Street

This form is the approved form that must be used in accordance with section 10 of the *Building Act 1975* and sections 73 and 77 of the *Building Regulation 2021* (Design-specification certificate) stating that an aspect of building work or specification will, if installed or carried out as stated in this form, comply with the building assessment provisions.


Additional explanatory information is included in the Appendix at the end of this form.

| | |
|--|---|
| <p>1. Property description</p> <p>This section need only be completed if details of street address and property description are applicable.</p> <p>E.g. in the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.</p> <p>The description must identify all land the subject of the application.</p> <p>The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.</p> <p>If the plan is not registered by title, provide previous lot and plan details.</p> | <p>Street address <i>(include number, street, suburb/locality and postcode)</i></p> <p>21 Mitchell Street Monto 4630</p> <p>State QLD Postcode 4630</p> <p>Lot & plan details <i>(attach list if necessary)</i></p> <p>Lot: 24, M 74746</p> <p>Local government area the land is situated in</p> <p>North Burnett Regional Council</p> |
| <p>2. Description of aspect/s certified</p> <p>Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.</p> | <p>All structural aspects of elements described on the drawings listed below:</p> <ul style="list-style-type: none"> - Slab & Footings to suit S/M site classification - Steel framing elements of <p>Portal Frame Gable Roof 4.500 x 9.000</p> |
| <p>3. Basis of certification</p> <p>Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon</p> | <p>Structural elements designed in accordance with the BCA:</p> <ul style="list-style-type: none"> AS 1170.0, 1, 2 & 4 Structural Design Actions AS 2870 - 2011 Residential Slabs & Footings AS 3600 - 2018 Concrete Structures AS 4100 - 2020 Steel Structures AS 4600 - 2018 – Cold-Formed Steel Structures NCC 2022 |

| | |
|--|---|
| 4. Reference documentation for McHugh Steel Job No 33040604281913 Clearly identify any relevant documentation, e.g. numbered structural engineering plans. | 1264NT PG1 PG2 REV-15, SLAB PG1 REV-7, RADMUL-CYC PG1 & PG2 REV-0, EW1, QP1, RP1, MT1, FP1, BC1, SW1 Site Check Assessment Code: mch23050055KL |
|--|---|

| | |
|--|--|
| 5. Building certifier reference number and building development approval number | Building certifier reference number Building development application number <i>(if available)</i> |
|--|--|

| | |
|--|--|
| 6. Appointed competent person details Under Part 6 of the Building Regulation a person must be assessed as a competent for the type of work (design-specification) by the relevant building certifier. | Name <i>(in full)</i> John Towler Company Name <i>(if applicable)</i> McHugh Steel Pty Ltd Business phone number (07) 4153 6588 Email address rob@mchughsteel.com.au Postal address 17 Phoebe Crescent State QLD Postcode 4670 Licence class or registration type <i>(if applicable)</i> Civil Licence or registration number <i>(if applicable)</i> N.P.E.R 131 7430 R.P.E.Q No: 4562 Certificate No 33040604281913.C01 |
|--|--|

| | |
|---|---|
| 7. Signature of appointed competent person This certificate must be signed by the individual assessed and appointed by the building certifier as competent to give design-specification help. | Signature  Date 26 May 2023 |
|---|---|

| | |
|----------------------------------|---------------------------|
| LOCAL GOVERNMENT USE ONLY | |
| Date received | Reference number/s |

Appendix – explanatory information

IMPORTANT NOTE: it is an offence for a competent person to give a building certifier a document, including this form, that the person knows or reasonably suspects, is false or misleading.

Who can complete this certificate? (section 10 of the Building Act 1975 (Building Act) and sections 73 and 77 of Building Regulation 2021 (BR 2021))

A building certifier can accept from a competent person (design-specification) a certificate stating that the competent person has assessed the building design or specification for the aspect of building work, and it will, if installed or carried out under the certificate, comply with the building assessment provisions, including any relevant standards and codes.

Schedule 10 of the BR 2021 defines building design or specification as any material, system, method of building or other thing related to the design of or specifications for building work.

When completing the certificate, a competent person is required under section 77 of the BR 2021 to include the basis for giving the certificate and state the extent to which the competent person has relied on tests, specifications, rules, standards, codes of practice or other publications.

What is the purpose of this form? (section 10 of the Building Act and sections 73 and 77 of the BR 2021)

The information in this form informs the building certifier's decision making when they are assessing a building development application, issuing the building development approval for the building work the subject of the certificate (form) and when amending the building development approval due to the receipt of updated aspect information such as glazing or truss specifications or revised excavation drawings.

Can a manufacturer or supplier give this Form 15?

A building certifier can accept this form from a manufacturer or supplier who the certifier has decided is a competent person (design specification).

A manufacturer or supplier of building materials can give this form if they have undertaken the design component for the product. For example a window manufacturer who designs, constructs and supplies the windows to industry could give this form.

Competent person (section 10 of the Building Act 1975 and Part 6 of the BR 2021)

A building certifier must assess and decide to appoint an individual as a competent person before they can accept design-specification help.

When deciding whether a person can be a competent person, the building certifier must assess the person having regard to their experience, qualifications and skills and ensure the person holds a licence or registration if required.

The building certifier is required to keep detailed records about what was considered when appointing a competent person.

For further information about assessment of someone as a competent person refer to the **Guideline for the assessment of competent persons**.

What is required if a manufacturer or supplier did not do the design work for the product?

A manufacturer or supplier who is not part of the design process may give the construction contractor, builder, competent person or the building certifier evidence of suitability such as a product technical statement under Part A5 of the Building Code of Australia (BCA), for an aspect or material stating that it is compliant with the relevant reference documents in the BCA i.e. the applicable Australian Standard/s.

What if there is not enough space for all the supporting material/documents?

Items 2, 3 and 4 requires the competent person to clearly identify the extent of the assessment that was undertaken for aspect/s of work identified in this form.

For instance, there is provision for material such as specifications, standards, codes or other relevant publications to be referenced in the form. However, if the space in the form is not sufficient to accommodate all of this material, you can create and refer to additional material in an addendum or attachment to the form.

The form is also available in a Microsoft Word version, that you can download and edit to include additional material in the relevant parts of the form. Note that editing the form in the Microsoft Word version may cause the relevant boxes to expand and increase the length of the document. This is acceptable and does not change the approved form, provided the section text (description on the lefthand side of the page) is not altered.

Appointed competent person (design or specification) – (sections 34 and 36 of the BR 2021)

A building certifier must assess and decide to appoint an individual as a competent person before they can, as a competent person, give design-specification help. The building certifier is required to keep detailed records about what was considered when appointing a competent person.

A building certifier must be satisfied that an individual is competent to give the type of help having regard to the individual's experience, qualifications and skills and if required by law to hold a licence or registration, that the individual is appropriately registered or licensed.

An individual is appointed as competent to give design-specification help on or from a particular day.

For further information about assessment of someone as a competent person refer to the **Guideline for the assessment of competent persons**.

PRIVACY NOTICE

The Department of Energy and Public Works is collecting personal information as required under the Building Act 1975. This information may be stored by the Department, and will be used for administration, compliance, statistical research and evaluation of building laws. Your personal information will be disclosed to other government agencies, local government authorities and third parties for purposes relating to administering and monitoring compliance with the Building Act 1975. Personal information will otherwise only be disclosed to third parties with your consent or unless authorised or required by law.

SITE SPECIFIC DESIGN CRITERIA ANALYSIS



Issued:
26/05/2023

Prepared for:
LINCOLN DRIVER
21 Mitchell Street
Monto QLD 4630

Supplier:
McHugh Steel

Assessment Ref:
mcH23050055KL

Building Details:
Span: 4.5
Length: 9
Avg. Height: 3.197

Assesment basis:
NCC 2022
AS/NZS 1170.2:2021
AS/NZS 1170.3:2003
AS1170.4:2007
AS/NZS 3500.3:2021

Certified by:

John Towler



Site Location:

Geographic coordinates of
-24.86393,151.10872

The address provided for reference purpose only is:
21 Mitchell Street Monto QLD 4630

Executive Summary - Site Specific Analysis

The design analysis of the building has not been considered for each of the 4 orthogonal directions. Hence the maximum wind speed in any of the 8 cardinal directions has been used as the design wind speed. This is a conservative approach.

Each cardinal direction has been considered and the results are summarised below

| Factor | N | NE | E | SE | S | SW | W | NW |
|--|------|------|------|------|------|------|------|------|
| Wind Region | B2 | | | | | | | |
| Importance level (IL) | 2 | | | | | | | |
| Distance from Smoothed Coastline | N/A | | | | | | | |
| Regional Wind Speed (Vr) | 57.0 | | | | | | | |
| Climate Change Factor (Mc) | 1.05 | | | | | | | |
| Terrain Category (TC) | 2.4 | 2.32 | 2.49 | 2.5 | 2.41 | 2.33 | 2.29 | 2.49 |
| Terrain Category Multiplier (Mz) | 0.88 | 0.88 | 0.87 | 0.87 | 0.88 | 0.88 | 0.89 | 0.87 |
| Shielding Multiplier (Ms) | 0.85 | 0.83 | 0.94 | 1 | 1 | 0.9 | 0.83 | 0.83 |
| Topographic Multiplier (Mt) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wind Direction Multiplier 1 (Md1) | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| Site specific design wind speed (Vsite1) | 40.2 | 39.5 | 44.1 | 46.9 | 47.3 | 42.8 | 39.6 | 38.9 |

| | | | | | | | | |
|--|------|------|----|------|------|------|------|------|
| Wind Direction Multiplier 2 (Md2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Site specific design wind speed (Vsite2) | 44.7 | 43.9 | 49 | 52.1 | 52.5 | 47.6 | 44.1 | 43.3 |

Design Wind Speed (Vsite1) 47.3 m/s for the resultant forces and overturning moments on the complete building and wind actions on major structural elements.

Design Wind Speed (Vsite2) 52.5 m/s for cladding and immediate supporting structures (Purlins and Girts)

Snow Load Nil

Earthquake 0.1 Hazard Design Factor (Z)

Durability Alert No

Rainfall Intensity 216mm/hr AEP 20 Years
Rainfall Intensity 281mm/hr AEP 100 Years



Compliance Statement

Quote Details

Quote No: 33040604281913 Quote Date: 06 Apr 2023
 Customer: LINCOLN DRIVER
 Site: 21 Mitchell Street Monto 4630
 Site Check: <https://sitecheck.shedsafe.com.au/Engineering/WndRegion/13fab283-a92f-44ef-9720-079c9febafd6>

Building Details

| | |
|---------------------------|---|
| Building Style | Portal Frame Gable Roof-Open Domestic Design |
| Roof Style | Gable |
| Roof Pitch | 10.00° |
| Length | 9.000m |
| Width | 4.500m |
| Height | 2.800m |
| Bay Count | 3 |
| Bay Sizes | 3.00m, 3.00m, 3.00m |
| Roller Door Notes | The shed has been designed for full internal pressure, C _{pi} = +0.7 & -0.65. Roller door strength is not critical to design. |
| Building Class | 10A Domestic: Non-Isolated Shed or Carport |
| Building Importance Level | 2 |
| Design Wind Speed | 47 m/s |
| Design Wind Pressure | 1.3254 kPa |
| Wind Speed Certificate | mcH23050055KL |

Members

Portals

| | | | |
|----------------------|----------------|---------------------|----------------|
| End Portal PF1 | C15012 Punched | Internal Portal PF2 | C15015 Punched |
| End Wall Column EWC1 | C15015 Punched | | |
| Knee Braces | NA | Apex Braces | NA |

Purlins / Girts

| | | | |
|---------------------|---------------------|------------------------|------------------------|
| Side Wall Girt SWG1 | Z10012 Punched | Side Wall Girt Spacing | 0.300m, 1.300m, 2.300m |
| End Wall Girt EWG1 | TopHat 64mm 1.0 BMT | End Wall Girt Spacing | 0.300m, 1.300m, 2.300m |
| Roof Purlin P1 | Z10010 Punched | Roof Purlin P2 | Z10010 Punched |
| Roof Purlin Spacing | 0.000m, 1.140m | Eave Purlin EP1 | C15012 UnPunched |

Bracing

| | | | |
|-------------------|----------------------|------------------|----------------------|
| Side Wall Bracing | 50x1.2 Strap Bracing | End Wall Bracing | 50x1.2 Strap Bracing |
| Roof Bracing | 50x1.2 Strap Bracing | | |

Doors / Windows

| | | | |
|-------------|--|---------|---------------------------------|
| Roller Door | 2 x Domestic R1P Roller Door 2.385 H x 2.700 W | Pa Door | 1 x PA Door 820mm - Single Skin |
|-------------|--|---------|---------------------------------|

Door Mullions / Jamb

| | | | |
|-------------------------|-----------------------------|-----------------|---------------------------|
| End Wall Door Header DH | C10010 UnPunched Flange: 50 | Door Mullion M1 | Z15019 Punched Flange: 64 |
|-------------------------|-----------------------------|-----------------|---------------------------|

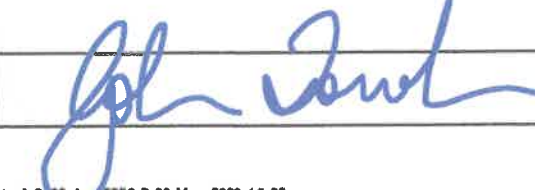
Cladding

| | | | |
|---------------|------------------------------------|-------------|------------------------------------|
| Roof Cladding | M-Deck HI-Profile 0.42bmt 0.47 TCT | Roof Screws | Roof Screw - 12x50 HI Rib - Colour |
| Wall Cladding | M-Deck HI-Profile 0.42bmt 0.47 TCT | Wall Screws | Wall Screw - 10-16x16mm - Colour |

Barge / Gutter

| | | | |
|--------|---|-----------|------------------------------------|
| Gutter | Square Gutter & 90mm PVC D-P | Down Pipe | 90mm PVC Downpipe - 6m Length |
| Barge | 120mm Custom Square/B Ridge HI-Rib Roof | Ridge Cap | 397G-CO/TD 3 Brk .40 Ridge Cap C/B |

I certify that the shed kit components listed below are structurally adequate for their purpose. This document takes precedence over selections from tables in the standard drawings.



DWG-MT1

Bracing Calculations

Quote Details

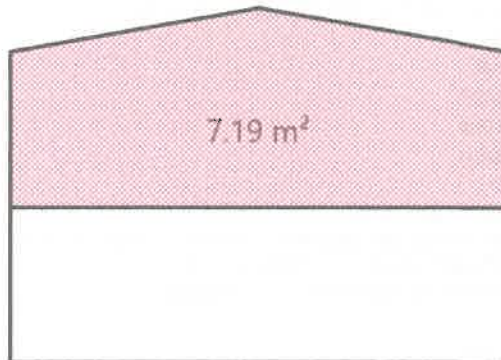
Quote No: 33040604281913

Quote Date: 06 Apr 2023

Customer: LINCOLN DRIVER

Site: 21 Mitchell Street Monto 4630

Effective End Wall Area



Building Details

| | |
|-------------------------|--|
| Building Style | Portal Frame Gable Roof-Open Domestic Design |
| Roof Style | Gable |
| Roof Cladding | M-Deck HI-Profile 0.42bmt 0.47 TCT |
| Wall Cladding | M-Deck HI-Profile 0.42bmt 0.47 TCT |
| Design Wind Speed Vz | 47 m/s |
| Design Wind Pressure Qu | 1.3 kPa |
| Wind Speed Certificate | mcH23050055KL |

| | Main Building | Left Awning | Right Awning | Total |
|-------------------------|---------------|-------------|--------------|--------|
| Length | 9.000m | | | |
| Width | 4.500m | | | 4.500m |
| Wall Height | 2.800m | | | |
| Average Roof Height | 2.998m | | | |
| Roof Pitch | 10.00° | | | |
| Bay Count | 3 | | | |
| Flushed Rafter Depth | 0.284m | | | |
| End Portal Column Width | 0.152m | | | |

Drag

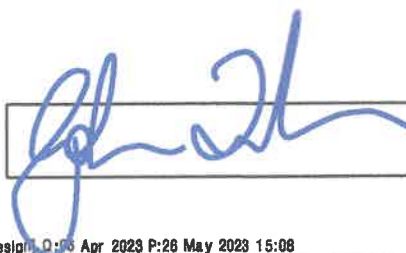
| | Roof | Wall |
|---------------------------|------|------|
| Sheeting Drag Coefficient | 0.04 | 0.04 |
| Drag | 0.00 | 0.00 |

Main Building

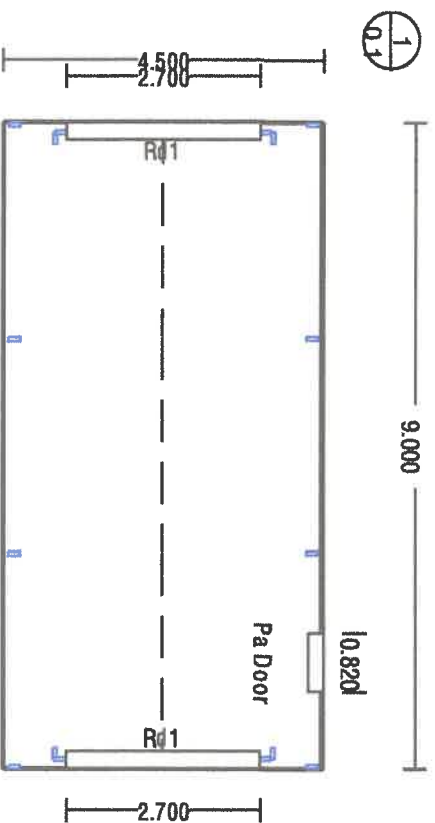
| | | |
|-------------------------|--------------------|---|
| Leeward Wall Cpe | 0.30 | Cross Wind Bracing Requirements - 181121.xlsx - CrossWind Enclosed - Leeward Wall Cpe |
| Windward Wall Cpe | 0.70 | Long Wind Bracing Calculator 140311.xlsx |
| Cpt | 1.00 | Full Internal Pressure: Abs(Leeward Wall Cpe) + Windward Wall Cpe |
| Enclosed End Wall Area | 7.2 m ² | Full Internal Pressure: ((Width / 4) * Tan(DegToRad(RoofPitch)) + Height / 2) * Width |
| Effective End Wall Area | 7.2 m ² | Enclosed End Wall Area |
| End Wall Force | 9.5 m ² | Effective End Wall Area * Cpt * Qu |

DWG-BC1

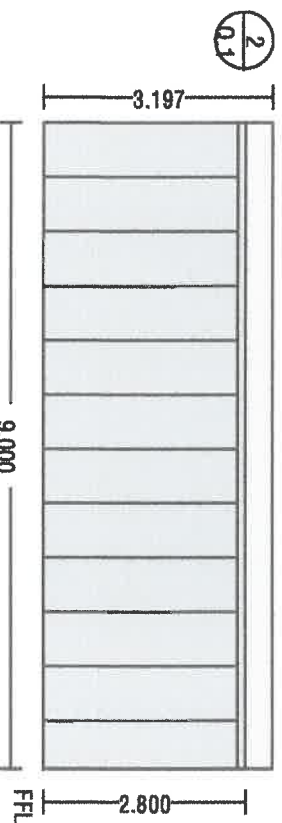
| | | |
|-------------------------------------|---------------------|--|
| Wall Drag Force | 0.00 kN | Length Factor = 0. Result = 0 |
| Roof Drag Force | 0.00 kN | Length Factor = 0. Result = 0 |
| Side Wall Bracing Force Requirement | 9.53 kN | Roof Drag Force + Wall Drag Force + End Wall Force |
| Side Wall Area | 25.2 m ² | Length * Height |
| End Wall Bracing Force Requirement | 18.05 kN | Side Wall Area * Cpt / 2 * Qu |



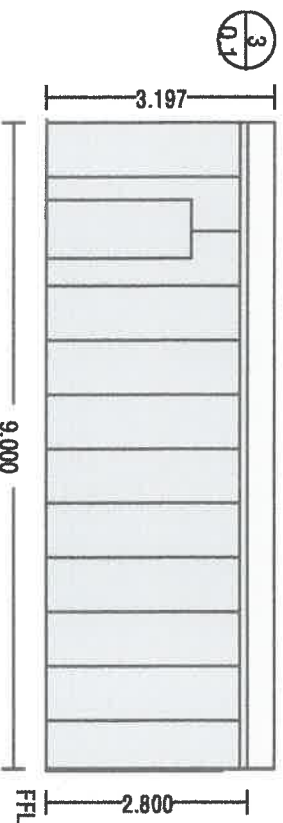
DWG-BC1



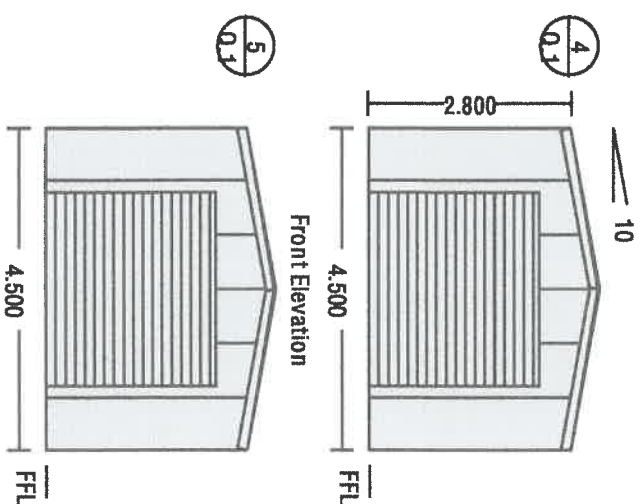
PLAN



Left Elevation



Right Elevation



Front Elevation

Rear Elevation

CLIENT

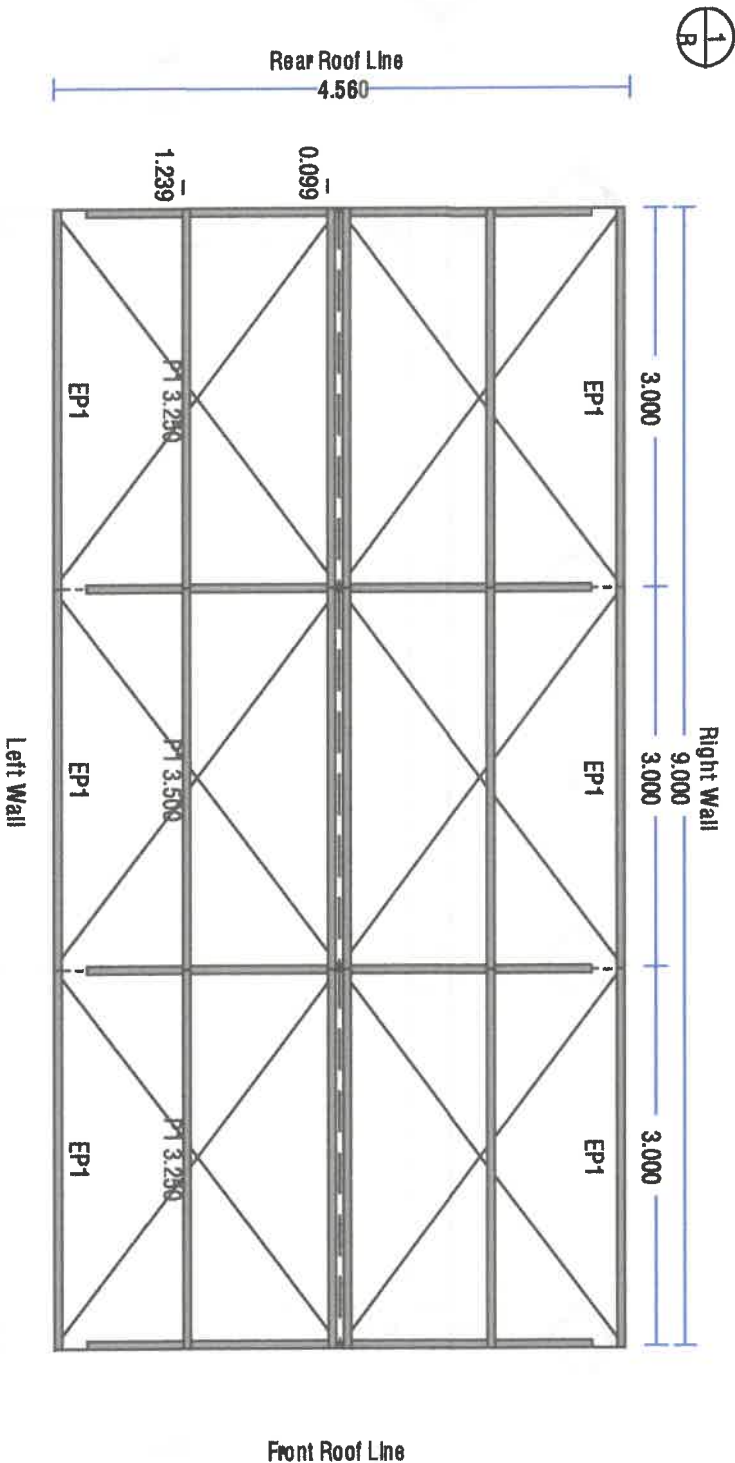
Portal Frame Gable Roof-Open Domestic Design V08s-A9 m/s (Reg-B) 4.500 x 9.000 x 2.800
At: 21 Mitchell Street Monb 4630
For: LINCOLN DRIVER

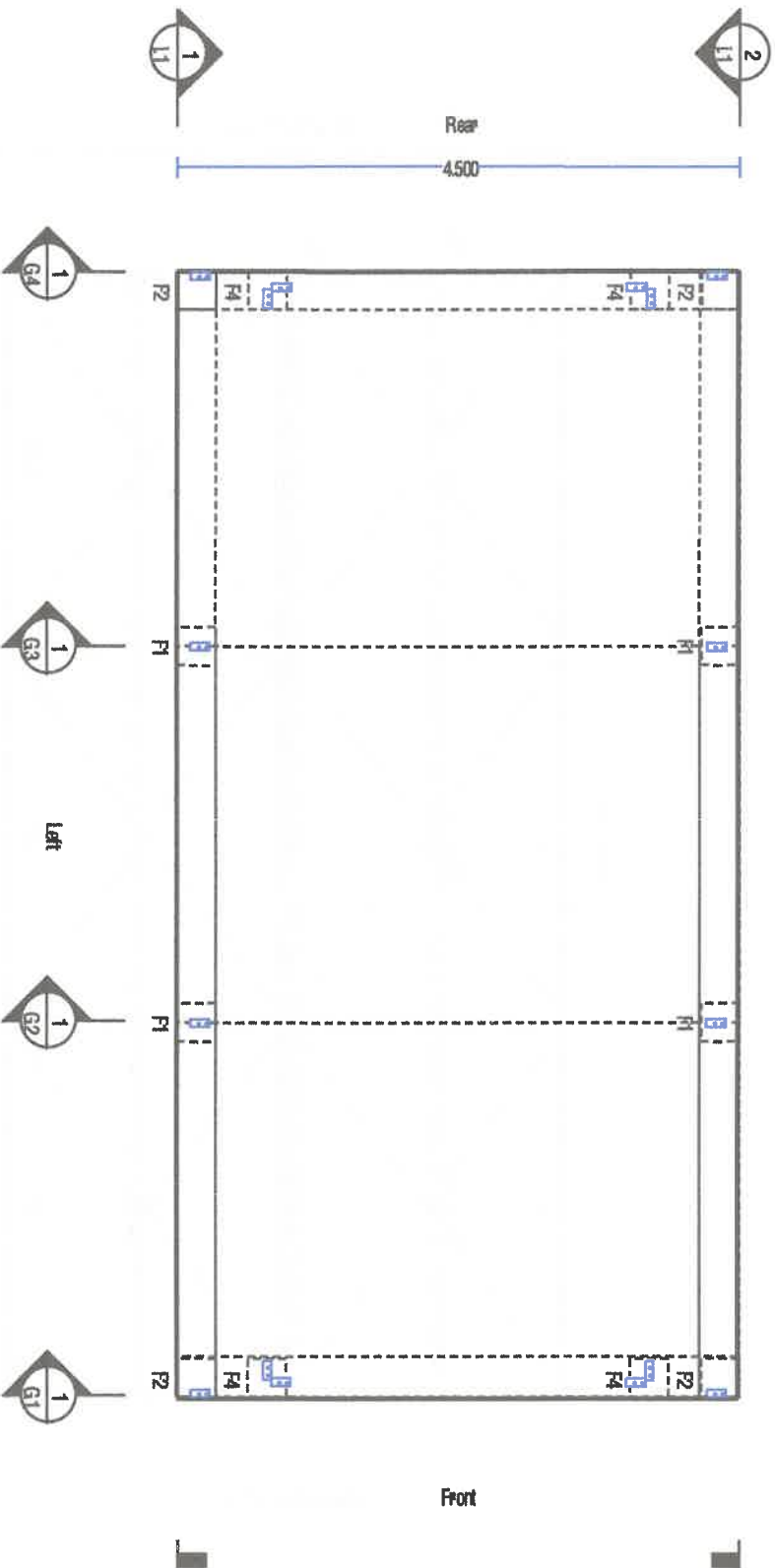
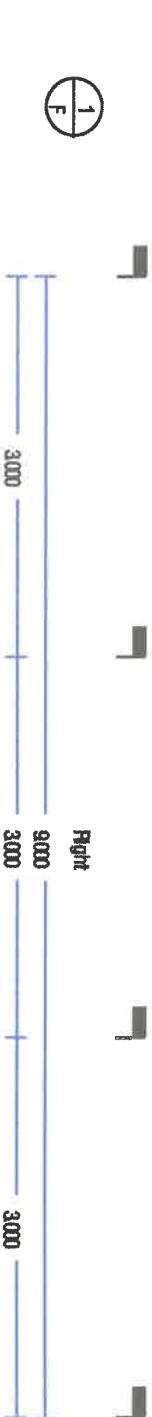
Approved by: _____ Date: _____

DRAWING

QP1 Ref: 33040604281913 NTS

ARCHITECTURAL DRAWINGS



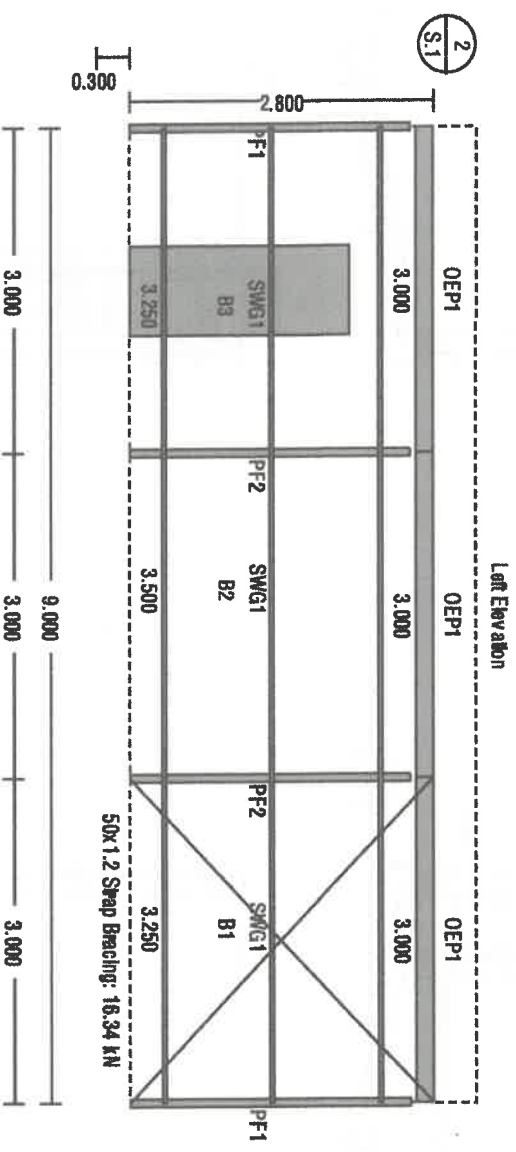
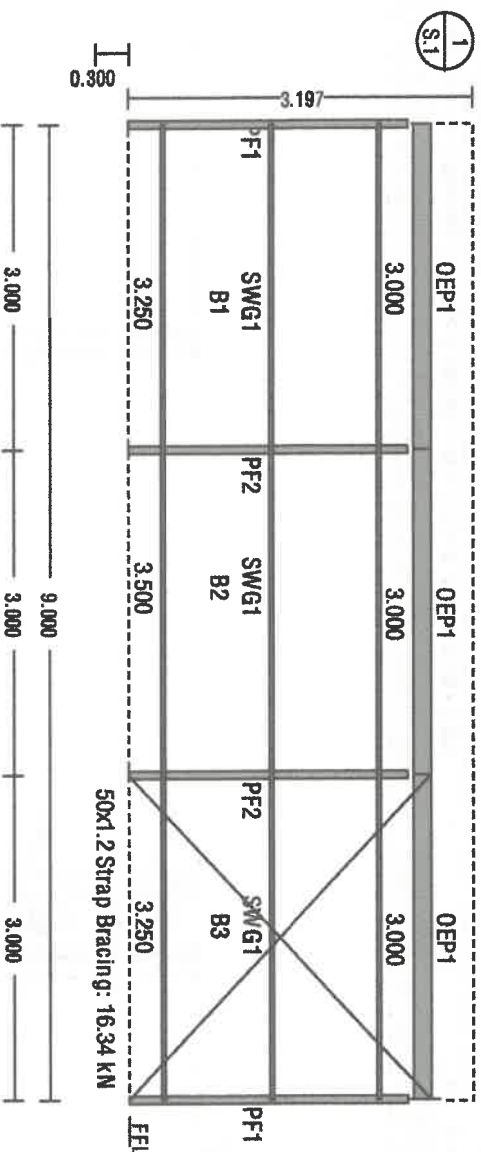


Refer to standard drawing SLAB

| | |
|---|-------|
| CLIENT | |
| Portal Frame Gable Roof-Open Domestic Design Vides-49 m/s (Reg-B) 4,500 x 9,000 x 2,800 | |
| At 21 Mitchell Street Morib 4630 | |
| For LINCOLN DRIVER | |
| Approved by: | Date: |

| | |
|--------------|--------------|
| DRAWING | |
| FP1 | Re: 30002233 |
| Footing View | |
| NS | |

Long Wind Bracing
Bracing Required: 9.53 kN
Bracing Designed: 32.67 kN



CLIENT

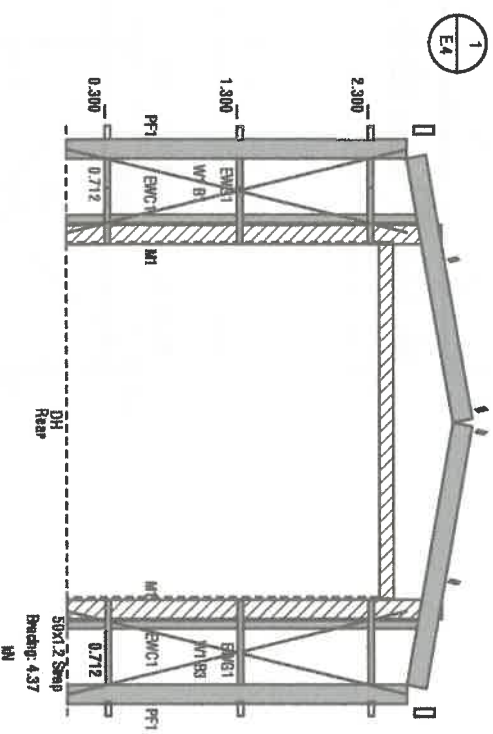
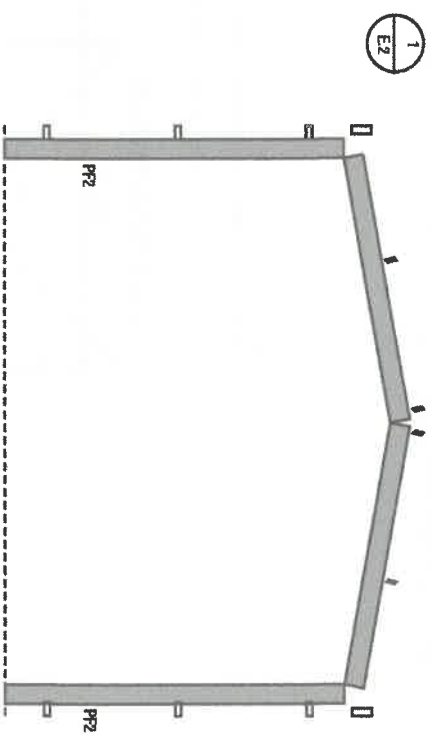
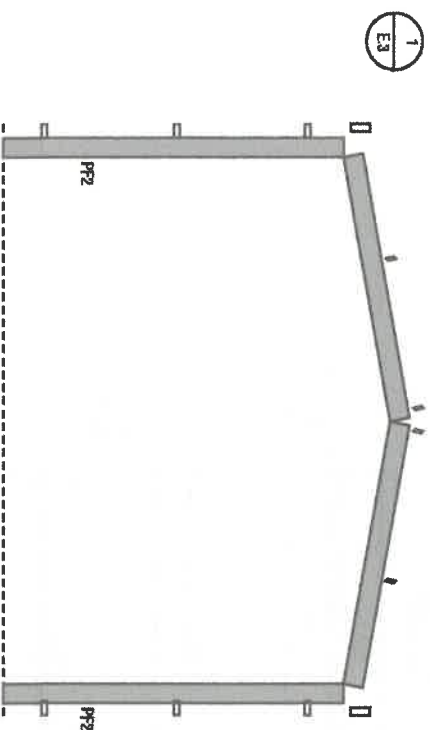
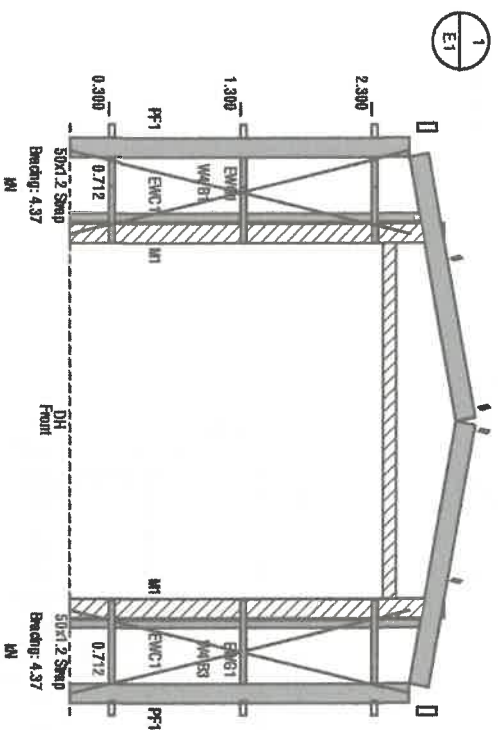
Portal Frame Gable Roof-Open Domestic Design Vdes=49 m/s (Reg-B) 4.500 x 9.000 x 2.800
At: 21 Mitchell Street Monb 4630
For: LINCOLN DRIVER

Approved by: _____ Date: _____

DRAWING

SW1 Ref: 33040604281913 NTS

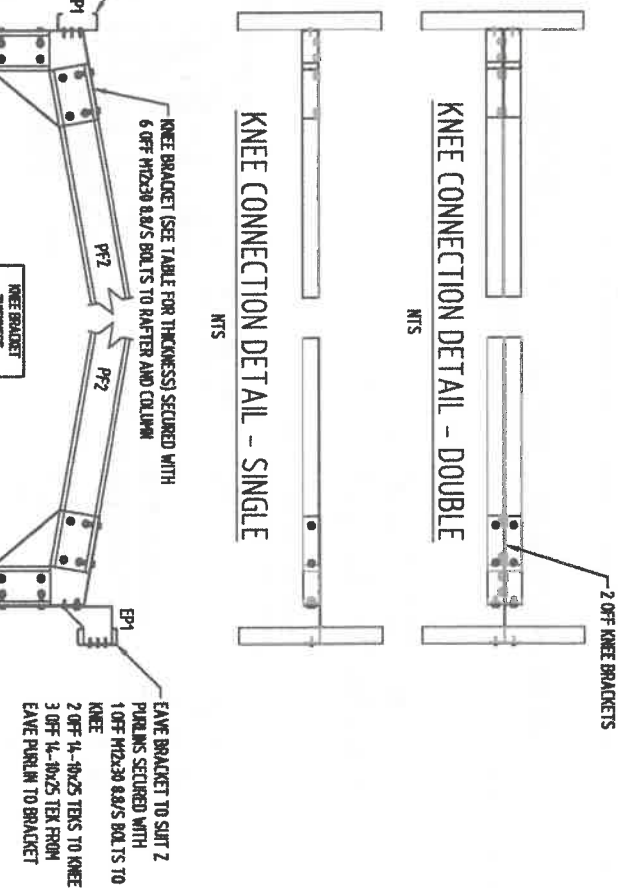
Side Wall



MTS

| | | | | | |
|--------|---|---|---|---|--------|
| RAFTER | | | | | RAFTER |
|--------|---|---|---|---|--------|

MTS



Consulting Engineer JOHN TUMLER PAPER 45647
John Tumler

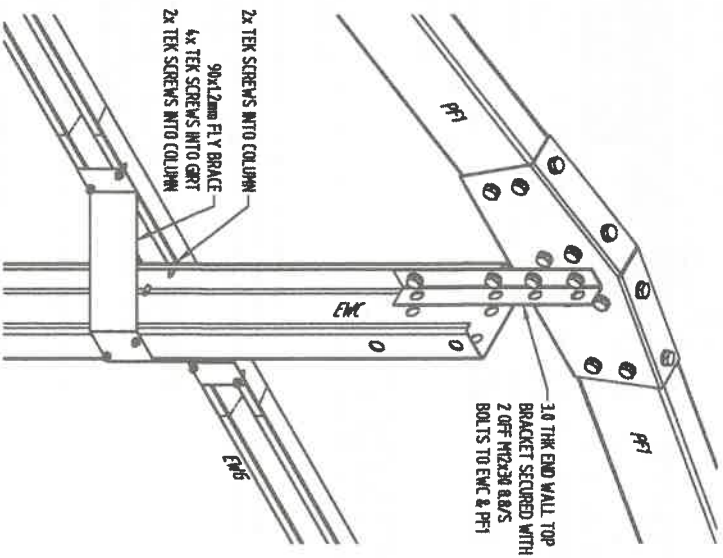
| | |
|----|----------|
| JR | 01/12/16 |
| JR | 10/05/16 |
| JR | 04/02/16 |
| JR | 10/12/15 |
| CB | 12/06/14 |
| BY | DATE |

| | |
|--|----|
| OTHER INFORMATION: THIS DETAIL PAGE IS TO BE USED IN CONJUNCTION WITH ALL DRAWINGS SPECIFIED DWG#111 & PROFILE INFO FORM | |
| DRAWN: CODY BALSDON | A3 |

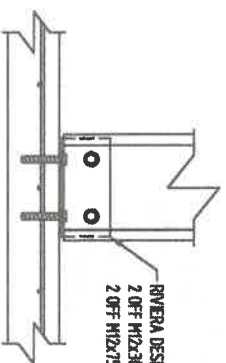
| | | |
|---|------------------|--------|
| TITLE: NOTES & CONNECTION DETAILS FOR RIVERA DESIGNS GABLE PORTAL FRAME SHEDS, NO TIES | | |
| DRAWING NUMBER: DWG1264NT-PG1 | DATE: 12/06/2014 | REV 15 |

| DUNE 3 WPC FORM TABLE | | | | | | |
|-----------------------|------------|--------------|---------------|---------------|------|------|
| SECTION | PLATE TYPE | INLET FINISH | CORNER FINISH | OUTLET FINISH | W | L |
| C09 | 3mm C09 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C20 | 3mm C20 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C21 | 3mm C21 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C22 | 3mm C22 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C23 | 3mm C23 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C24 | 3mm C24 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C25 | 3mm C25 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C26 | 3mm C26 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C27 | 3mm C27 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C28 | 3mm C28 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C29 | 3mm C29 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C30 | 3mm C30 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C31 | 3mm C31 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C32 | 3mm C32 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C33 | 3mm C33 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C34 | 3mm C34 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C35 | 3mm C35 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C36 | 3mm C36 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C37 | 3mm C37 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C38 | 3mm C38 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C39 | 3mm C39 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C40 | 3mm C40 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C41 | 3mm C41 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C42 | 3mm C42 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C43 | 3mm C43 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C44 | 3mm C44 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C45 | 3mm C45 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C46 | 3mm C46 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C47 | 3mm C47 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C48 | 3mm C48 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C49 | 3mm C49 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |
| C50 | 3mm C50 | GR 1.5 | 4 X 100 BULBS | 4 X 100 BULBS | 35mm | 60mm |

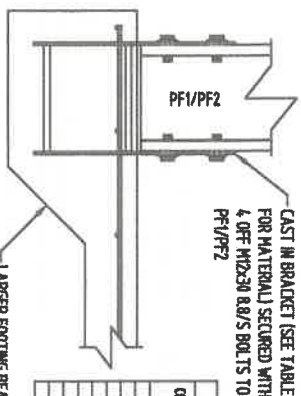
| RIGID BRACKET THICKNESS | |
|-------------------------|-------------------|
| COLUMN SIZE | BRACKET THICKNESS |
| 100 | 1.000 |
| 125 | 1.250 |
| 150 | 1.500 |
| 175 | 1.750 |
| 200 | 2.000 |
| 225 | 2.250 |
| 250 | 2.500 |
| 275 | 2.750 |
| 300 | 3.000 |
| 325 | 3.250 |
| 350 | 3.500 |
| 375 | 3.750 |
| 400 | 4.000 |
| 425 | 4.250 |
| 450 | 4.500 |
| 475 | 4.750 |
| 500 | 5.000 |
| 525 | 5.250 |
| 550 | 5.500 |
| 575 | 5.750 |
| 600 | 6.000 |
| 625 | 6.250 |
| 650 | 6.500 |
| 675 | 6.750 |
| 700 | 7.000 |
| 725 | 7.250 |
| 750 | 7.500 |
| 775 | 7.750 |
| 800 | 8.000 |
| 825 | 8.250 |
| 850 | 8.500 |
| 875 | 8.750 |
| 900 | 9.000 |
| 925 | 9.250 |
| 950 | 9.500 |
| 975 | 9.750 |
| 1000 | 10.000 |



END WALL COLUMN DETAILS

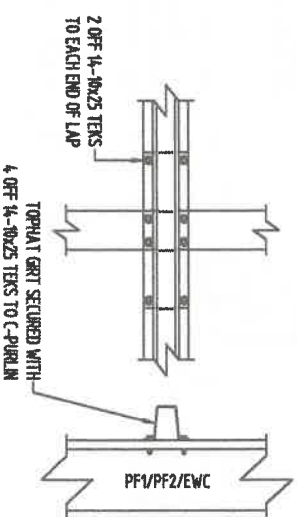


RIVERA DESIGNS (3.0 THK) HOLD DOWN BRACKET SECURED WITH
2 OFF M12x30 8.8/S BOLTS TO WEB OF CLAD/UNCLAD/EWC COLUMN AND
2 OFF M12x75 SCREWBOLTS TO SLAB AT EACH COLUMN

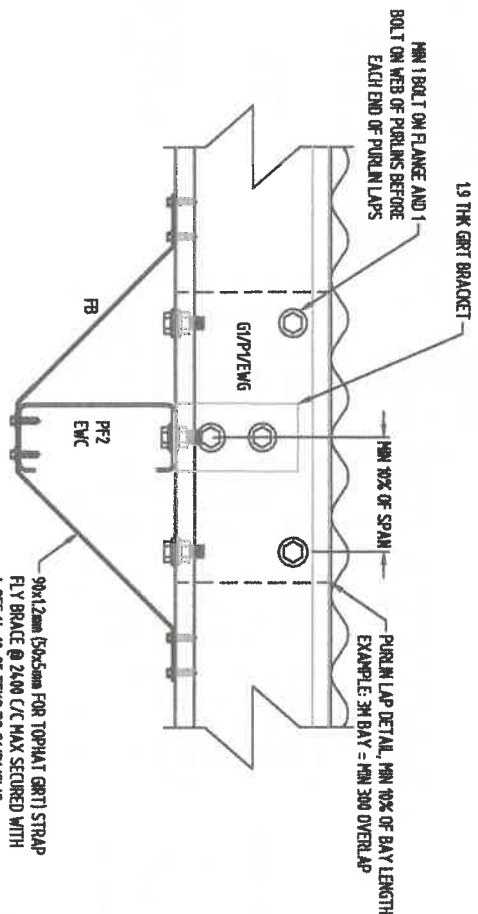


CAST IN BRACKET (SEE TABLE
FOR MATERIAL) SECURED WITH
4 OFF M12x30 8.8/S BOLTS TO
PF1/PF2

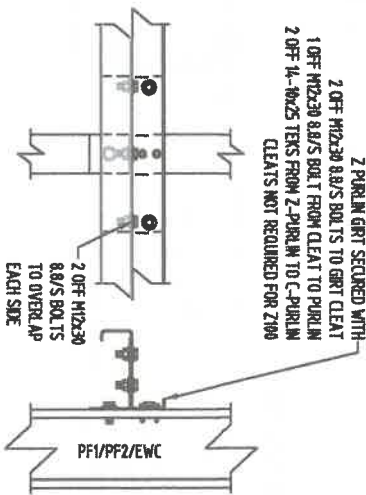
| CAST-IN BRACKET MATERIAL | | | |
|--------------------------|------------------|----------------------|-----|
| COLUMN SIZE | BRACKET WIDTH | BRACKET THICKNESS | ROD |
| 100 | 50 | 10 | M12 |
| 125 | 63 | 10 | M12 |
| 150 | 75 | 10 | M12 |
| 175 | 88 | 10 | M12 |
| 200 | 100 | 10 | M12 |
| 225 | 113 | 10 | M12 |
| 250 | 125 | 10 | M12 |
| 275 | 138 | 10 | M12 |
| 300 | 150 | 10 | M12 |
| 325 | 163 | 10 | M12 |
| 350 | 175 | 10 | M12 |
| 375 | 188 | 10 | M12 |
| 400 | 200 | 10 | M12 |
| 425 | 213 | 10 | M12 |
| 450 | 225 | 10 | M12 |
| 475 | 238 | 10 | M12 |
| 500 | 250 | 10 | M12 |



TOP HAT GIRT/PURLIN CONNECTION
& OVERLAP SIDE VIEW



FLY BRACE & PURLIN
OVERLAP PLAN VIEW



SINGLE FRAME SIDE WALL
CONNECTION DETAIL

SIDE WALL GIRTS
CONNECTION DETAIL

NOTE: REFER TO DWG/PF1(FOOTING) FOR LOCATIONS OF EDGE BEAMS AND FOOTINGS

TYPICAL CLAD/UNCLAD/EWC COLUMN
BOLT DOWN DETAIL

TYPICAL CAST IN HOLD DOWN DETAIL

TOP HAT GIRT/PURLIN CONNECTION
& OVERLAP SIDE VIEW

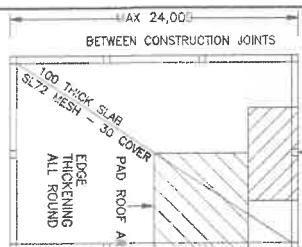
| REV | NOTES & DETAILS UPDATED | JR | 01/12/16 |
|-----|--------------------------------|----|----------|
| 14 | NO CLEATS FOR Z100 NOTE ON PG2 | JR | 10/05/16 |
| 13 | REVISED TO SUIT NEW DESIGN | JR | 04/02/16 |
| 12 | REMOVE SLAB & MULLION DETAILS | JR | 10/12/15 |
| 0 | ORIGINAL RELEASE | CB | 12/06/14 |
| | WORK DONE | BY | DATE |

OTHER INFORMATION:
THIS DETAIL PAGE IS TO BE USED IN CONJUNCTION WITH ALL
DRAWINGS SPECIFIED DWG11 & PROFILE INFO FORM

DRAWN: CODY BALSDON

A3

PIER FOOTINGS UNDER
ALL COLUMNS AND
MILLIONS AS REQUIRE



SLAB EDGE BEAM
200mm D x 300mm W



SUITABLE FOR CLASS 100 SHEDS IN FIRM STABLE GROUND
MAX SHRINKAGE - CLASS M & M-D.
FOR CLASS H AND H-D SOILS INCREASE SLAB DEPTH TO
110mm AND INSTALL 300# MASS CONCRETE PIERS UNDER
EACH PAD FOOTING TO 1500 BELOW SURFACE.

DOMESTIC SHED SLABS

SL72 MESH - 30mm COVER UNC

SLAB THE DOWN RESISTANCE

- 100mm SLAB - 50kN per Co
- 140mm SLAB - 60kN per Co

PIER THE DOWN RESISTANCE
FOR DEPTH "D"

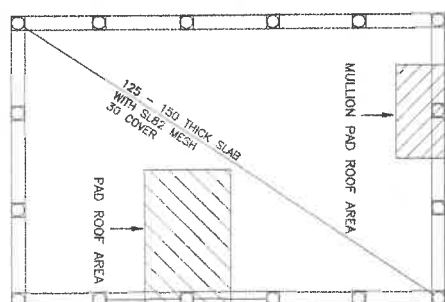
Ø = 300mm - 20kN/m
Ø = 450mm - 30kN/m
Ø = 600mm - 40kN/m

**PEER REINFORCING
FOR**
Ø = 300mm - 4 x Y12
Ø = 450mm - 4 x Y16
Ø = 600mm - 6 x Y16

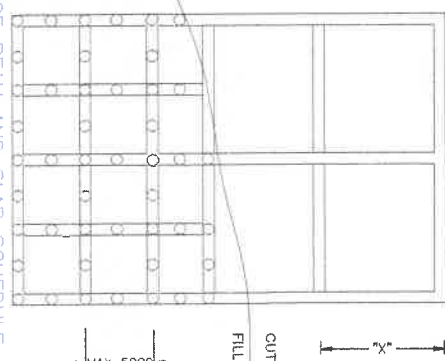
**THE DOWN REQUIRED
DOMESTIC & INDUSTRIAL SHE**

NOTE: PAD ROOF AREA IS THE ROOFED AREA THAT THE PAD IS HOLDING FOR THE DOWN. REFER INDICATIVE SKETCHES.
PAD ROOF AREA = $1/2$ SPAN \times BAY WIDTH. (AS SHOWN)
MULLION ROOF AREA = $1/2$ BAY \times MULLION SPACING. (AS SHOWN)

THE DOWN REQ (KN) = ROOF AREA (m²) * Q_u (KPa) * C_{ps}
C_{ps} - ASSUMED = 0.9 Q_u - REFER TABLE

PIERS UNDER ALL
COLUMNS AND
MULLIONS

INDUSTRIAL OPTION



EDGE BEAM AND SLAB SCHEDULE

| SITE CLASS | DEPTH | SLAB MESH | TRENCH MESH | MAX. INTERVAL BEAM SPACING X" | PIERS |
|------------|-------|-----------|-------------|-------------------------------|----------|
| A | 300 | SL82 | 3-8TM | — | — |
| S | 300 | SL82 | 3-11TM | — | — |
| M | 300 | SL82 | 3-11TM | — | — |
| M-O | 400 | SL82 | 3-11TM | 8.0m | 2.5m Ctr |
| H | 400 | SL82 | 3-11TM | 7.0m | 2.5m Ctr |
| H-O | 400 | SL82 | 3-11TM | 6.0m | 2.5m Ctr |
| E | 500 | SL82 | 3x 1/2TM | 5.0m | 2.5m Ctr |
| P | 500 | SL82 | 3x 1/2TM | 5.0m | 2.5m Ctr |

CLASS E & P SITES SHOULD BE REFERRED TO AN ENGINEER FOR CONFIRMATION.
CLASS P DESIGN CAN BE USED FOR CUT/FILL SITES.

REINFORCED INDUSTRIA

SLAB TIE DOWN RESISTANCE

- 125mm SLAB - 10kN per Co
- 150mm SLAB - 15kN per Co

SLAB DETAIL

5KPa SLAB -- NORMAL GROUND PREP
 REFER NOTES

10KPa SLAB - SEE BELOW.
COMPACT SURFACE UNDER SLAB AND
PLACE 100mm CRUSHER DUST (OR
SIMILAR) COMPACTED AND LEVELED

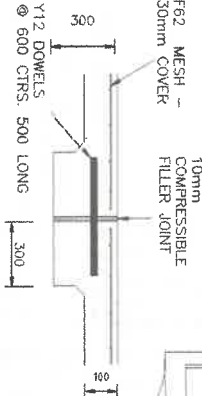
| | |
|--------------------|------|
| MAX BEAM SPACING - | 5000 |
| MESH - REFER TABLE | 300 |

ENSURE OUTER BAR OF MESH IS WITHIN 20-30mm OF SLAB EDGE. FOR BOLT SET CLOSE TO SLAB EDGE, A 12mm TRIMMER BAR IS RECOMMENDED.

REINFORCED EDGE BEAM SLAB DESIGN

SUITABLE FOR ALL SLEDS IN FIRM STABLE GROUND AND CUT TO FILL SITES.
FOR INDUSTRIAL SLABS INCREASE SLAB DEPTH TO 150mm AND MESH SIZE TO S182.
THIS DESIGN ALSO MAY BE SUITABLE FOR CLASS P "PROBLEM SITES". REFER TO ENGINEER.

CONSTRUCTION JOINT DETAIL



12. SLAB NOTES
1. USERS SHALL CALCULATE THE REQUIRED TIE DOWN STRENGTH FOR EACH COLUMN LOCATION AND HENCE THE REQUIRED PIER DEPTH "D" TO BE INSTALLED IF NECESSARY
2. ONLY THE PIER DEPTH "D" SHALL CONTRIBUTE TO SKIN FRICTION THE DOWN, MINUS THE DOWN RESISTANCE FROM DEAD WEIGHT IS NOTED ON CROSS SECTIONS
3. MINIMUM 28 DAYS CONCRETE STRENGTH TO BE 25 MPa.
4. MAXIMUM AGGREGATE STONE SIZE -20mm.
5. DESIGN SLUMP TO BE 100mm ± 10mm.
6. EDGE BEAM TO BE FOUNDED ON NATURAL SOIL OR CONTROL COMPACTED FILL.
7. CONCRETE ON CUT/FILL SITES AND APPLICABLE PROBLEM SOILS MAY USE MASS CONCRETE PIERS PLACED THROUGH FILL 200mm INTO NATURAL SOIL.
8. SOIL CONDITIONS ARE ASSUMED TO BE CLASS M OR BETTER FOR STANDARD SLAB UNO. TABLE OPTIONS FOR CLASS H, HD & E ARE ALSO PROVIDED. SLAB AND EDGE BEAMS SHALL BE POURED IN ONE CONTINUOUS OPERATION UNO.
9. CONCRETE IS TO BE COMPACTED BY VIBRATION OR OTHER MECHANICAL MEANS. SAW CUTTING OF CRACK CONTROL JOINTS SHALL BE CARRIED OUT WITHIN 24hrs OF THE PLACING OPERATION.
10. A SINGLE LAYER OF 200 MICRON PVC SHEETING SHALL BE PLACED UNDER THE SLAB 50mm OF CRUSHER DUST IS RECOMMENDED FOR A LEVEL EVEN COMPACTED SURFACE.
11. CURING OF SLAB SURFACE AGAINST EXCESSIVE MOISTURE LOSS SHALL BE CARRIED OUT FOR 7 DAYS AFTER PLACING. ENGINEER APPROVED METHODS ONLY.
12. SLABS PLACED WIDER THAN 15m SPAN SHALL HAVE S192 SLAB MESH AND 150 TH. SLAB AS STANDARD
13. ALL SLABS PLACED LONGER THAN 24m (ONE POUR) SHALL HAVE S192 SLAB MESH AS STANDARD
14. MAXIMUM LENGTH BETWEEN CONNECTION JOINTS OF SLAB.
100mm TH. - 18m
150mm TH. - 30m
15. INDUSTRIAL SLAB DESIGNS ARE A GUIDE ONLY WITH MINIMUM DESIGN FOR WHEEL AND POST LOADS. ALL INDUSTRIAL SLAB DESIGNS SHOULD BE REFERRED TO AN RPD ENGINEER FOR A SITE SPECIFIC DESIGN

SKIN FRICTION NOTES:

1. SUITABLE FOR SITES WHERE SOIL SHEAR STRENGTH IS 50KPA OR BETTER
2. CLASS A AND CLASS P SITES WITH MINIMAL SHEAR STRENGTH SHALL REVERT TO ENGINEER
3. SKIN FRICTION FROM TOP ϕ OF PIER SHALL BE IGNORED
4. TOTAL THE DOWN - SLAB THE DOWN + PIER SKIN FRICTION FROM DEPTH σ_p

10 KPa LIVE LOAD-- 150mm SLAB SL92 ME

McHUGH

Consulting Engineer: JOHN TOWLER (602) 455-2711

Phone: (07) 4153 6588 Fax: (07) 4153 6988
Email: rob@archughsteel.com.au

| | | | |
|-----|---------------------------------------|----|-------------|
| 7 | NEW PER DESIGN & INDUSTRIAL INCLUSION | CB | 12/3/08/7 |
| 6 | ALL DETAILS S REVISED | JR | 10/3/02/7 |
| 5 | SLAB FRESH MIN S1.62 NOW S1.72 | JR | 10/3/02/7 |
| 4 | PER DETAIL MOVED TO SEPARATE DRAWING | JR | 10/05/74 |
| 0 | ORIGINAL RELEASE | JR | 15/12/75/15 |
| REV | WORK DONE | BY | DATE |

OTHER INFORMATION

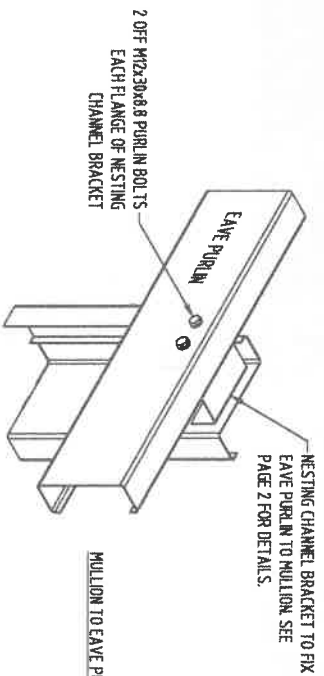
TITLE: STANDARD DOMESTIC & INDUSTRIAL SLAB DETAIL

DRAWN: C. BALSDON

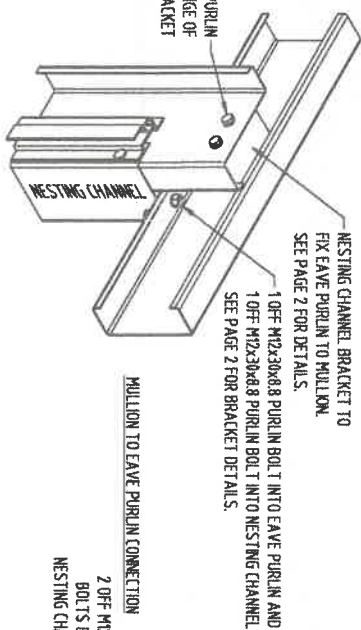
DRAWING NUMBER: DWG-SLAI

DATE: 23/08/2011

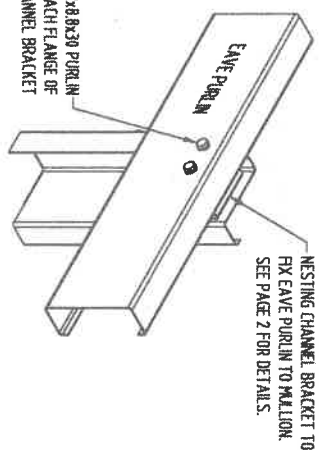
REV 1



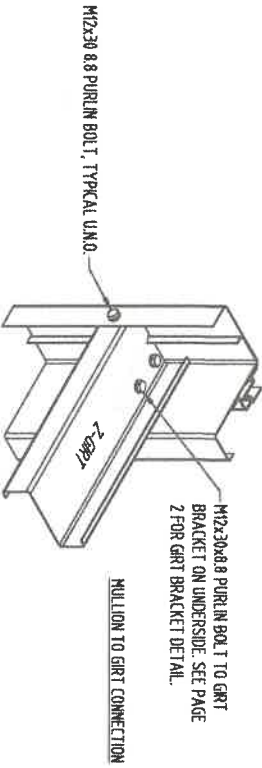
MULLION TO EAVE PURLIN CONNECTION



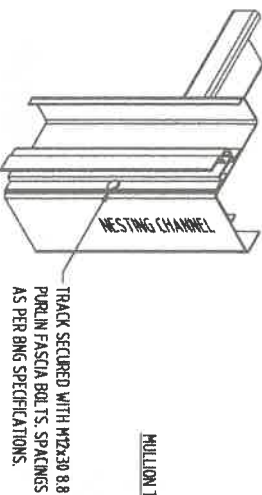
MULLION TO EAVE PURLIN CONNECTION



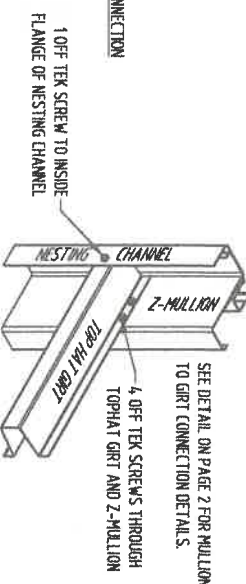
MULLION TO EAVE PURLIN CONNECTION



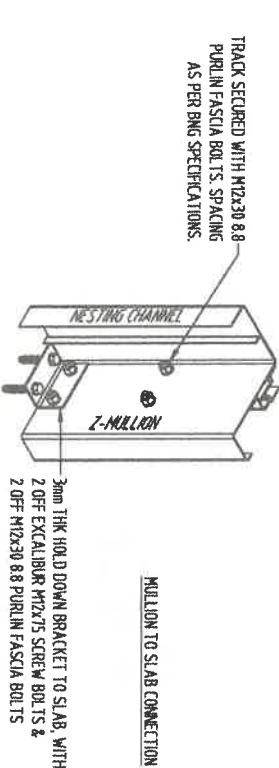
MULLION TO GIRT CONNECTION



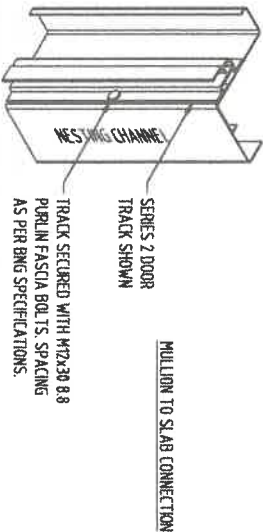
MULLION TO GIRT CONNECTION



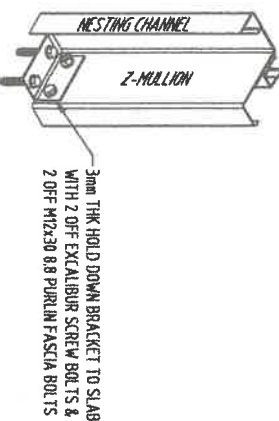
SEE DETAIL ON PAGE 2 FOR MULLION TO GIRT CONNECTION DETAILS.



MULLION TO SLAB CONNECTION



MULLION TO SLAB CONNECTION



MULLION TO SLAB CONNECTION

Z-MULLION WITH Z-GIRT OUTSIDE ISOMETRIC

SCALE 1:10 AT A3

Z-MULLION WITH Z-GIRT INSIDE ISOMETRIC

SCALE 1:10 AT A3

Z-MULLION WITH TOP HAT GIRT INSIDE ISOMETRIC

SCALE 1:10 AT A3

NOTE: FOR MULLION SIZES REFER TO DWG-M11 MEMBER TABLE

SEE PAGE 2 (RADMUL-CYC-PG2) FOR ALL DETAIL

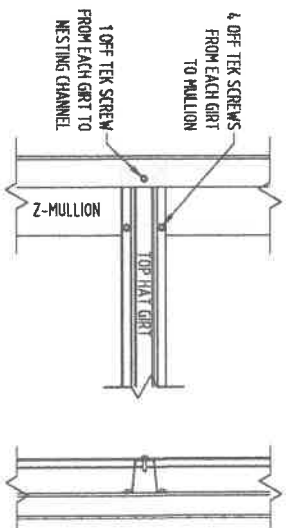
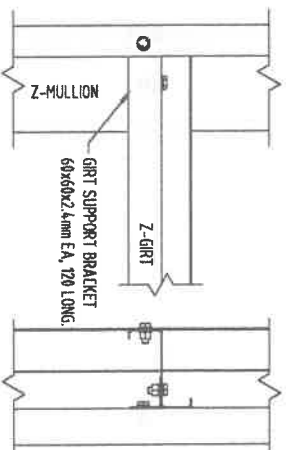
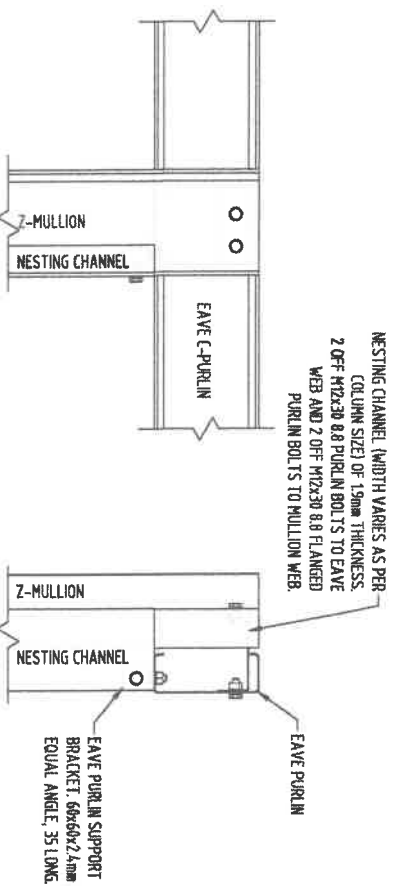
McHUGH STEEL
Structural Steel
Phone: (07) 4153 6588 Fax: (07) 4153 6961
Email: rob@mchughsteel.com.au

Consulting Engineer: JOHN TOWLER (BPEL 4562)
John Towler

| REV | DESCRIPTION | BY | DATE |
|-----|------------------|----|----------|
| 0 | Original Release | JR | 04/02/16 |
| | WORK DONE | | |

| OTHER INFORMATION: | WIND DESIGN: | DRAWN: | A3 |
|--------------------|--------------|------------|----|
| | | J. RADLOFF | |

| TITLE: | DRAWING NUMBER: | DATE: | REV |
|---|-----------------|------------|-----|
| RAD MULLION DETAILS ISOMETRIC GENERAL ASSEMBLY | RADMUL-CYC-PG1 | 04/02/2016 | 0 |



RAD MULLION AND NESTING TO EAVE PURLIN DETAIL

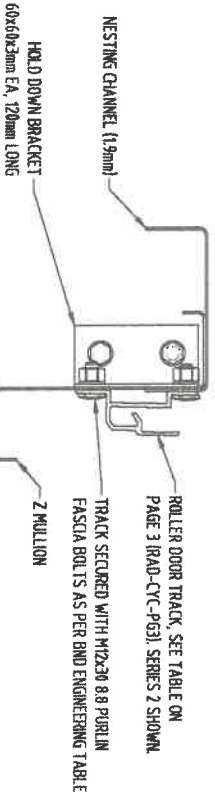
NTS

RAD MULLION TO Z-GIRT DETAIL

NTS

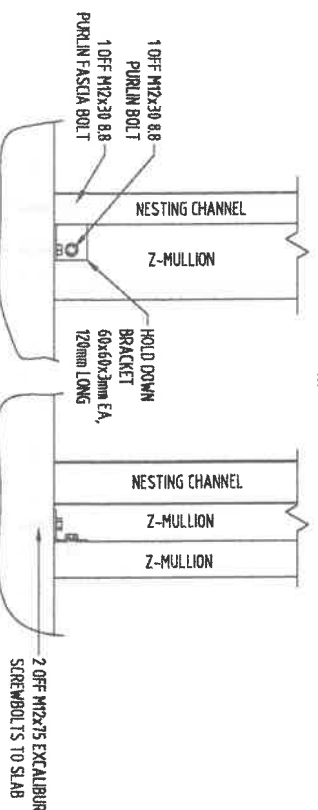
RAD MULLION TO TOP HAT GIRT DETAIL

NTS



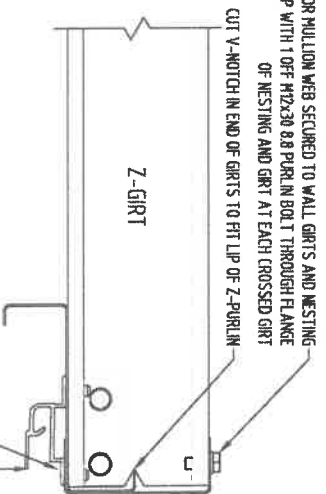
RAD MULLION TO SLAB PLAN VIEW

NTS



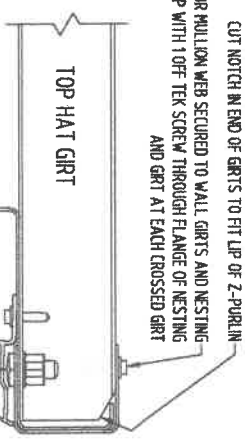
RAD MULLION TO SLAB DETAIL

NTS



RAD MULLION TO Z-GIRT PLAN VIEW

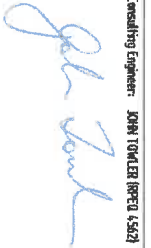
NTS



RAD MULLION TO TOPHAT GIRT PLAN VIEW

NTS

NOTE: FOR MULLION SIZES REFER TO DWG-MT1 MEMBER TABLE

| | | | | | |
|--|--|--|--|--|--|
| McHUGH STEEL <i>Sheds and Roofs for you!</i> | | Consulting Engineer: JOHN TONKER (PCEA 4342) | | TITLE: RAD MULLION DETAILS CONNECTION DETAILS | |
| Phone: (07) 4153 6588 Fax: (07) 4153 6981 Email: rob@mchughsteel.com.au | |  | | WIND DESIGN: | |
| REV | | WORK DONE | | DATE | |
| 0 | | Original Release | | JR 04/02/16 | |
| | | | | DRAWN: J. RADLOFF | |
| | | | | A3 | |
| | | | | DRAWING NUMBER: RADMUL-CYC-PG2 | |
| | | | | DATE: 04/02/2016 | |
| | | | | REV 0 | |