

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)	Daniel Constructions
Contact name (only applicable for companies)	Rebecca Nelson
Postal address (PO Box or street address)	20 Lillian Crescent
Suburb	KENSINGTON
State	QLD
Postcode	4670
Country	AUSTRALIA
Contact number	(07) 4100 9975
Email address (non-mandatory)	info@danielconstructions.com.au
Mobile number (non-mandatory)	0413 296 674
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	DA 7632/24

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 DA Forms Guide: Relevant plans .			
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).			
Unit No.	Street No.	Street Name and Type	Suburb
	32	Horton Street	BIGGENDEN
Postcode	Lot No.	Plan Type and Number (e.g. RP, SP)	Local Government Area(s)
4621	18	SP198429	North Burnett Regional Council

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

Burnett Country Certifiers – Rick Drew

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)

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
Concurrence Agency Referral - Amenity and Aesthetics	North Burnett Regional Council	

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)	Richard Harris
Contact name (applicable for companies)	Richard Harris
Postal address (P.O. Box or street address)	32 Horton Street
Suburb	BIGGENDEN
State	QLD
Postcode	4621
Country	Australia
Contact number	
Email address (non-mandatory)	richard.harris257@gmail.com
Mobile number (non-mandatory)	0488 041 772
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)	Daniel Constructions
Contact name (applicable for companies)	Rebecca Nelson
QBCC licence or owner – builder number	1134009

Postal address (<i>P.O. Box or street address</i>)	20 Lillian Crescent
Suburb	KENSINGTON
State	QLD
Postcode	4670
Contact number	
Email address (<i>non-mandatory</i>)	info@danielconstructions.com.au
Mobile number (<i>non-mandatory</i>)	0413 296 674
Fax number (<i>non-mandatory</i>)	

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 (<i>involving building work</i>) | <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.

Class 10a Shed

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*)

Class 1a Dwelling

g) New building use/classification? (*if applicable*)

Class 10a Shed

h) Relevant plans

Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see [DA Forms Guide: Relevant plans](#).

- Relevant plans of the proposed works are attached to the development application

17) What is the monetary value of the proposed building work?

\$65,987.00

18) Has Queensland Home Warranty Scheme Insurance been paid?

- Yes – provide details below
 No

Amount paid	Date paid (dd/mm/yy)	Reference number

PART 6 – CHECKLIST AND APPLICANT DECLARATION

19) Development application checklist	
The relevant parts of <i>Form 2 – Building work details</i> have been completed	<input checked="" type="checkbox"/> Yes
This development application includes a material change of use, reconfiguring a lot or operational work and is accompanied by a completed <i>Form 1 – Development application details</i>	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes
The portable long service leave levy for QLeave has been paid, or will be paid before a development permit is issued (<i>see 9</i>)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable

20) Applicant declaration	
<input checked="" type="checkbox"/> By making this development application, I declare that all information in this development application is true and correct	
<input checked="" 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>, Planning Regulation 2017 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 Planning Regulation 2017, and the access rules made under the <i>Planning Act 2016</i> and Planning Regulation 2017; 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>	

PART 7 – FOR COMPLETION BY THE ASSESSMENT MANAGER – FOR OFFICE USE ONLY

Date received: Reference numbers:

For completion by the building certifier		
Classification(s) of approved building work		
Class 10a		
Name	QBCC Certification Licence number	QBCC Insurance receipt number
Burnett Country Certifiers – Rick Drew	A902444	

Notification of engagement of alternative assessment manager	
Prescribed assessment manager	
Name of chosen assessment manager	
Date chosen assessment manager engaged	
Contact number of chosen assessment manager	
Relevant licence number(s) of chosen assessment manager	

Additional information required by the local government

Confirm 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

QLeave notification and payment*Note: For completion by assessment manager if applicable*

Description of the work			
QLeave project number			
Amount paid (\$)		Date paid (dd/mm/yy)	
Date received form sighted by assessment manager			
Name of officer who sighted the form			

Additional building details required for the Australian Bureau of Statistics

Existing building use/classification? <i>(if applicable)</i>		Class 1a Dwelling	
New building use/classification?		Class 10a Shed	
Site area (m ²)	806m2	Floor area (m ²)	96.48m2

Referral checklist for building work

This referral checklist is required where any aspect of building work for a development application requires referral as identified in *DA Form 2 – Building work details*.

All relevant referral requirements for the development application are to be identified on this checklist. This checklist is to accompany *DA Form 2 – Building work details* for all development applications for building work that require referral.

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

1) Referral requirements relevant to any building work identified on *DA Form 2 – Building work details*

Note: The *Planning Regulation 2017* will determine if referral is required for a development application.

Matters requiring referral to the **Chief Executive of the *Planning Act 2016***:

- Premises seaward of coastal building line
- Declared fish habitat area
- State transport corridor
- Future State transport corridor
- Queensland heritage place
- Koala habitat in SEQ region

Matters requiring referral to the **local government**:

- Particular class 1 and 10 buildings and structures involving possible amenity and aesthetic impacts
- Particular buildings for residential purposes
- Design and siting
- Fire safety in particular budget accommodation buildings
- Higher risk personal appearance services
- Building work for residential services
- Building work for removal or rebuilding
- Building work for particular class 1 buildings relating to material change of use
- Temporary accommodation buildings
- Building work relating to end of trip facilities for Queensland Development Code, part 4.1
- Building work for class 1 building on premises with on-site wastewater management system
- Flood hazard area
- Local heritage place

Matters requiring referral to the **Queensland Fire and Emergency Service**:

- Fire safety systems – special fire services required or alternative solution proposed
- Fire safety systems – budget accommodation building
- Fire safety systems – residential care building
- Water-based fire safety installations
- Fire safety for farm buildings

Matters requiring referral to **Safe Food Production QLD**:

- Retail meat premises

Matters requiring referral to the **Chief Health Officer under the *Hospital and Health Boards Act 2011***:

- Private health facilities

Matters requiring referral to the **Chief Executive of the *Pastoral Workers' Accommodation Act 1980***:

- Pastoral workers' accommodation

Matters requiring referral to the **relevant service provider**:

- Building work over or near relevant infrastructure relating to Queensland Development Code, part 1.4



Drawing Title & No.- SP198429/18 Site Plan

Date: 8-Mar-24

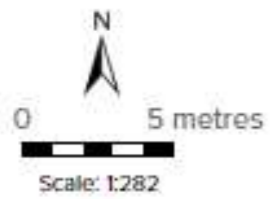
Address: 32 Horton Street, Biggenden

Owner: Richard Harris

Contractor: Daniel Constructions QBCC 1134009

LotPlan	185P198429
Area	0.0808
PropertyName	
Property Address	32 HORTON STREET, BIGGENDEN
Property Address1	
Locality	Biggenden

Future proposed house site



Printed at: A3



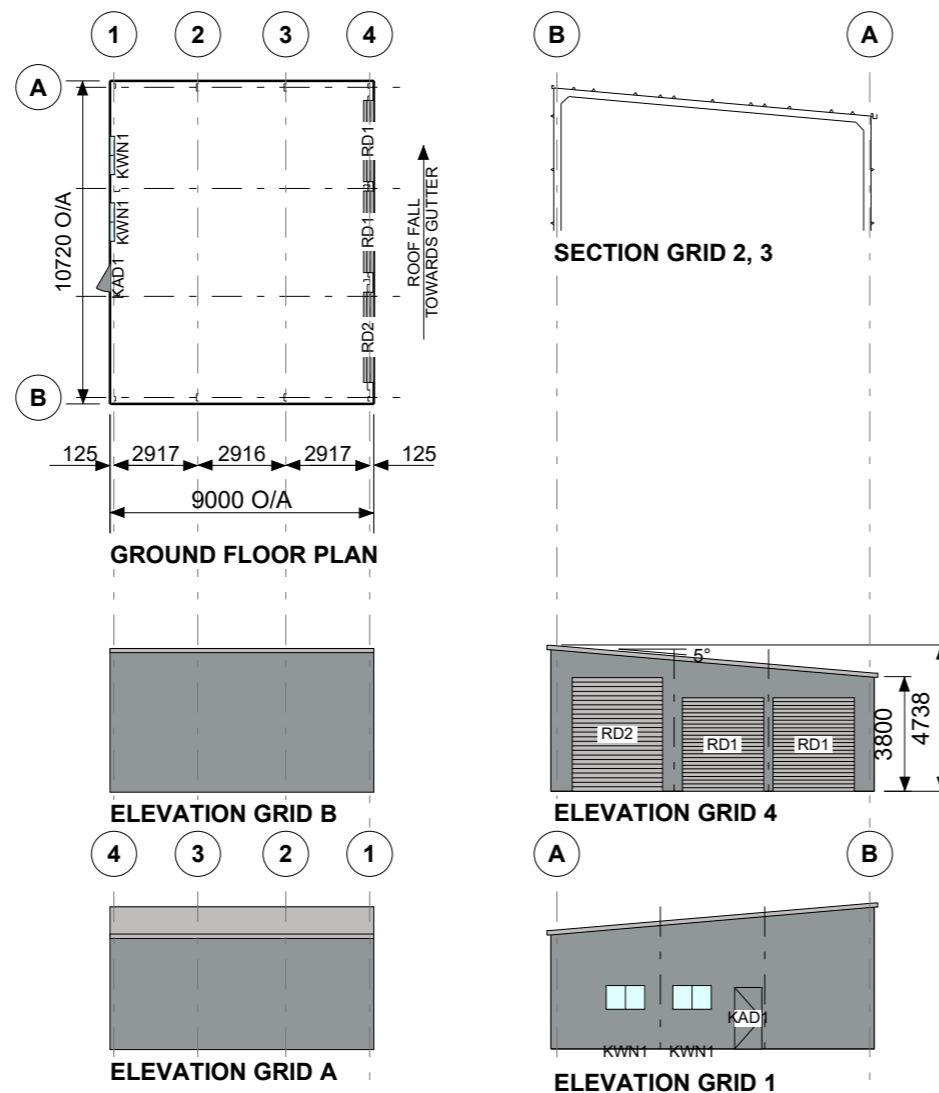
CLADDING

ITEM	PROFILE (min)	FINISH	COLOUR
ROOF	TRIMDEK 0.42 BMT	CB	SH
WALLS	TRIMDEK 0.42 BMT	CB	WY
CORNERS	-	CB	WY
BARGE	-	CB	SH
GUTTER	EMLINE	CB	SH

0.35bmt=0.40tct; 0.42bmt=0.47tct; 0.48bmt=0.53tct

ACCESSORY SCHEDULE & LEGEND

QTY	MARK	DESCRIPTION
2	RD1	B&D, Firmadoor, R.D, "R1F-W/Lock-Drive Through", 3000H x 2700W Clr Open C/
1	RD2	B&D, Firmadoor, R.D, Indust. "R2F", W/Lock, 3699 high x 3000 wide Clr. Open. C/B
1	KAD1	Premium (TA650DO) Access Door Kit, C/B (BG). (Not Available in WA)
2	KWN1	AMI - Reg A & B, 790x1274 CLR, Window Kit (BG)



ARCHITECTURAL DRAWING ONLY, FOR BUILDING PERMIT STAGE

CLIENT
Richard Harris

SITE
**32 Horton Street
BIGGENDEN QLD 4621**

BUILDING
**BIG G SKILLION
10720 SPAN x 3800/4738 EAVE x 9000 LONG**

ACCREDITED PRACTITIONER
**Alexander Filonov
RPEQ 8094
Level 1, 12 Beaumont St Hamilton NSW 2303
+61 2 4962 4311
7/03/2024**

TITLE
GENERAL ARRANGEMENT

SCALE A3 SHEET 1:250	DRAWING NUMBER 429620-GA	REV A	PAGE 12/12
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STRUCTURAL STEELWORK SCHEDULE			CONNECTIONS		
MARK	DESCRIPTION	SECTION	BASE	EAVES	TOP
C1	COLUMN - MAIN	C25024	FB3	KN3, KN3U	
C2	COLUMN - CORNER	C15012	FB1	KN1	
C3	COLUMN - E/W, PARTITON	C20019	EB2	ER1	
R1	RAFTER - MAIN	C25024		KN3	KN3U
R2	RAFTER - END WALL	C15012		KN1	KN1U
DM1	MULLION - ROLLER DOOR	C15010	MB1		
DM2		C25015	MB3		
RH1	HEAD - ROLLER DOOR	TS6175+TS96100			
Be	BRACING - END WALL	DIAPHRAGM			
Br1	BRACING - ROOF	35x1.5 strap	SB1		
Bw	BRACING - SIDE WALL	DIAPHRAGM			
SS1	BRACE - LATERAL FLY	100x0.4 STRAP +	SS1		
LB1	BRACE - LATERAL FLY	100x0.4 STRAP	LB1		
F1	FASCIA	C15012		FK1	
P1	PURLIN - PERIPHERY	TS96075 @ 1400	BC1, 2		
P1a		TS96120 @ 1400	BC1, 2		
P2	PURLIN - INTERNAL	TS96075 @ 1400	BC1, 2		
P3	PURLIN - END	TS96075 @ 1400	BC1, 2		
G1	GIRT - END BAY	TS96075 @ 1800	BC1, 2		
G2	GIRT - END WALL / INT. BAY	TS96100 @ 1800	BC1, 2		
G2a		TS96075 @ 1800	BC1, 2		

GENERAL

- THIS IS A STANDARDISED DESIGN SUITABLE FOR LIGHT INDUSTRIAL, COMMERCIAL & RURAL BUILDINGS TO STANDARDS & REQUIREMENTS PROVIDED BY RANBUILD.
- THESE DRAWINGS WILL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL & OTHER CONSULTANTS DRAWINGS & SPECIFICATIONS & WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
- ANY DISCREPANCY SHALL BE REFERED TO THE ENGINEER BEFORE PROCEEDING WITH WORK.
- ALL MATERIALS & WORKMANSHIP SHALL BE IN ACCORDANCE WITH RELEVANT & CURRENT SAA CODES & WITH BY LAWS & ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- ALL DIMENSIONS SHOWN SHOULD BE VERIFIED BY THE BUILDER ON SITE. ENGINEERS DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
- DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION & NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS & EXCAVATIONS STABLE AT ALL TIMES.
- UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES & ALL DIMENSIONS ARE IN MILLIMETRES.
- THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT SAA CODES & NORMAL ENGINEERING PRACTICE.
- ARCHITECTURAL ELEMENTS TO HAVE A MINIMUM OF 20mm CLEARANCE OF THE STRUCTURE & ARE TO BE ARTICULATED.
- IT IS COMMON SENSE TO WORK SAFELY AND TO PROTECT YOURSELF AND OTHERS FROM ACCIDENTS ON SITE. TO DO THIS, YOU MUST ENSURE YOU HAVE IN PLACE SAFE WORK PRACTICES AND APPROPRIATE EQUIPMENT. SAFETY INVOLVES PERSONAL PROTECTION OF EYES, OF SKIN(FROM SUNBURN) AND OF HEARING(FROM NOISE). FALL PROTECTION MUST ALSO BE IN PLACE AS APPLICABLE INCLUDING SAFETY MESH, PERSONAL HARNESSES AND PERIMETER GUARDRAILS. IT IS RECOMMENDED THAT YOU FAMILIARIZE YOURSELF WITH APPLICABLE LAWS, REGULATIONS, RULES, GUIDELINES, CODES OF PRACTICE AND STANDARDS AND THAT YOU ADHERE STRICTLY TO THEM.

STRUCTURAL STEEL SPECIFICATION

- ALL STRUCTURAL STEELWORK TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SAA CODES & SPECIFICATIONS. AS4100 STEEL STRUCTURES CODE
AS/NZS 4600 COLD FORMED STEEL STRUCTURES CODE.
AS1511 HIGH STRENGTH STRUCTURAL BOLTING.
AS1111 COMMERCIAL BOLTS & SCREWS.
AS2887 FARM STRUCTURES (WHERE APPLICABLE).
- PROPRIETARY PRODUCTS ARE TO BE IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURERS INSTRUCTIONS.

HIGH STRENGTH BOLTS

- CONNECTIONS WITH 8.8S BOLTS SPECIFIED ARE DESIGNED AS FRICTION TYPE JOINTS & BOLTS, NUTS & WASHERS SHALL COMPLY WITH THE RELEVANT REQUIREMENTS OF AS1252.
- HIGH STRENGTH FRICTION GRIP BOLTS TO BE INSTALLED IN ACCORDANCE WITH AS1511 & TENSIONED BY AN APPROVED METHOD TO PRODUCE THE FOLLOWING SHANK TENSIONS.
BOLT SIZE SHANK TENSION (kN)
M12 50
M16 90
- FOR THIS DESIGN AN ACCEPTABLE TENSIONING METHOD IS SNUG TIGHT (PODGER SPANNER TIGHT) PLUS HALF A TURN.

COLD FORMED STEEL FRAMING

- ALL STRUCTURAL STEEL FRAMING TO BE MANUFACTURED FROM HOT DIP ZINC COATED STEEL CONFORMING TO AS1397 U.N.O.
- MATERIAL GRADES SHALL BE AS FOLLOWS:-
1.0 BMT - GRADE G550, Z350
1.2 BMT - GRADE G500, Z350
1.5 BMT TO 3.0 BMT - GRADE G450, Z350
- PURLIN/GIRT ARRANGEMENT - TOPHAT TYPE BATTENS TEK SCREWED DIRECTLY TO THE FRAME SECTIONS WITH FLY BRACES AS SPECIFIED.

FRAME ASSEMBLY

- CORRECT FRAME ASSEMBLY IS IMPORTANT TO ACHIEVE OPTIMUM PERFORMANCE OF THE STRUCTURE
- FULLY TENSION BOLTS AT KNEE & APEX JOINTS AS SPECIFIED BEFORE STANDING FRAMES.
- FULLY TENSION BOLTS AT BASE CONNECTIONS AS SPECIFIED IMMEDIATELY AFTER STANDING THE FRAME.
- ROOF & WALL BRACING PROVIDE STRUCTURAL STABILITY WHERE SPECIFIED & MUST BE INSTALLED BEFORE THE CLADDING.

ROOF & WALL CLADDING

- ROOF & WALL CLADDING TO BE INSTALLED IN ACCORDANCE WITH AS1562 & THE MANUFACTURERS INSTRUCTIONS TO THE SAME WIND LOAD RATING AS THE BUILDING STRUCTURE.
- THE ROOF & WALL CLADDING FORMS AN INTEGRAL PART OF THE STRUCTURE & SHALL NOT BE REMOVED WITHOUT THE APPROVAL OF A STRUCTURAL ENGINEER WHO ASSUMES FULL RESPONSIBILITY FOR THE DESIGN.

DOORS & WINDOWS

ALL DOORS AND WINDOWS SHALL HAVE THE SAME CYCLONIC WIND LOAD RATING AS THE REST OF THE BUILDING ENVELOPE, INCLUDING RESISTANCE TO FLYING DEBRIS AS SPECIFIED IN AS1170.2:2021 AND AS/NZS 4505-2012. DOORS AND WINDOWS SHALL BE CLOSED DURING STORMS. DOORS SHALL BE INSTALLED WITH WIND LOCKS IN CYCLONIC AREAS. SUPPORTING DOCUMENTATION INCLUDING TEST REPORTS SHALL BE AVAILABLE FROM DOORS AND WINDOWS MANUFACTURERS TO CONFIRM LOAD RATING AND ENSURE COMPLIANCE WITH ABOVE MENTIONED STANDARDS AND BCA. DOORS ARE ALSO REQUIRED TO BE SUPPLIED WITH A STICKER THAT SHOWS A RANGE OF INFORMATION INCLUDING THE DESIGN PRESSURE OF THE DOOR ACCORDING TO AS/NZS 4505-2012 REQUIREMENTS.

DESIGN LOADING

- THE STRUCTURAL COMPONENTS SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED FOR THE FOLLOWING LOAD CONDITIONS IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS INCLUDING AS/NZS 1170.2:2021

IMPORTANCE LEVEL	2
AS 1170.2 REGION	B1
TERRAIN CATEGORY	2
Ms	1.0
Mt	1.0
INTERNAL PRESSURE Cpi	+0.0 or -0.3 (ENCLOSED)
ROOF DEAD LOAD	SELF WEIGHT ONLY
ROOF LIVE LOAD	0.25 kPa PLUS 1.4 kN
FLOOR LIVE LOAD	RESIDENTIAL 3kPa
SITE CLASS	M (CLAY)
COASTAL DISTANCE	N/A

DRAWING SCHEDULE

- ENG1/1-429620 STEEL FRAME SCHEDULE, NOTES & COVER PAGE
- ENG2/1-429620 STEEL FRAME DIAGRAMS
- ENG3/1-429620 CONNECTION DETAILS
- ENG3/2-429620 CONNECTION DETAILS
- ENG4/1-429620 RC FLOOR PLAN & BORED PIER DETAILS
- ENG4/2-429620 RC FLOOR PLAN & BORED PIER DETAILS
- ENG5/1-429620 ISOLATED BORED PIER DETAILS
- ENG5/2-429620 ISOLATED BORED PIER DETAILS
- ENG6/1-429620 RC FLOOR PLAN & INTEGRAL PAD FOOTING DETAILS
- ENG6/2-429620 RC FLOOR PLAN & INTEGRAL PAD FOOTING DETAILS
- ENG7/1-429620 RC SLAB PLAN
- 429620-GA GENERAL ARRANGEMENT



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Lysaght Building
Solutions Pty Ltd
trading as RANBUILD

ACCREDITED PRACTITIONER
Alexander Filonov
MIEAust, CPEng, NPER, RPEQ 8094
Level 1, 12 Beaumont St Hamilton NSW 2303
+61 2 4962 4311
7/03/2024

CLIENT
Richard Harris

SITE
32 Horton Street
BIGGENDEN QLD 4621

BUILDING TYPE
Big G Skillion

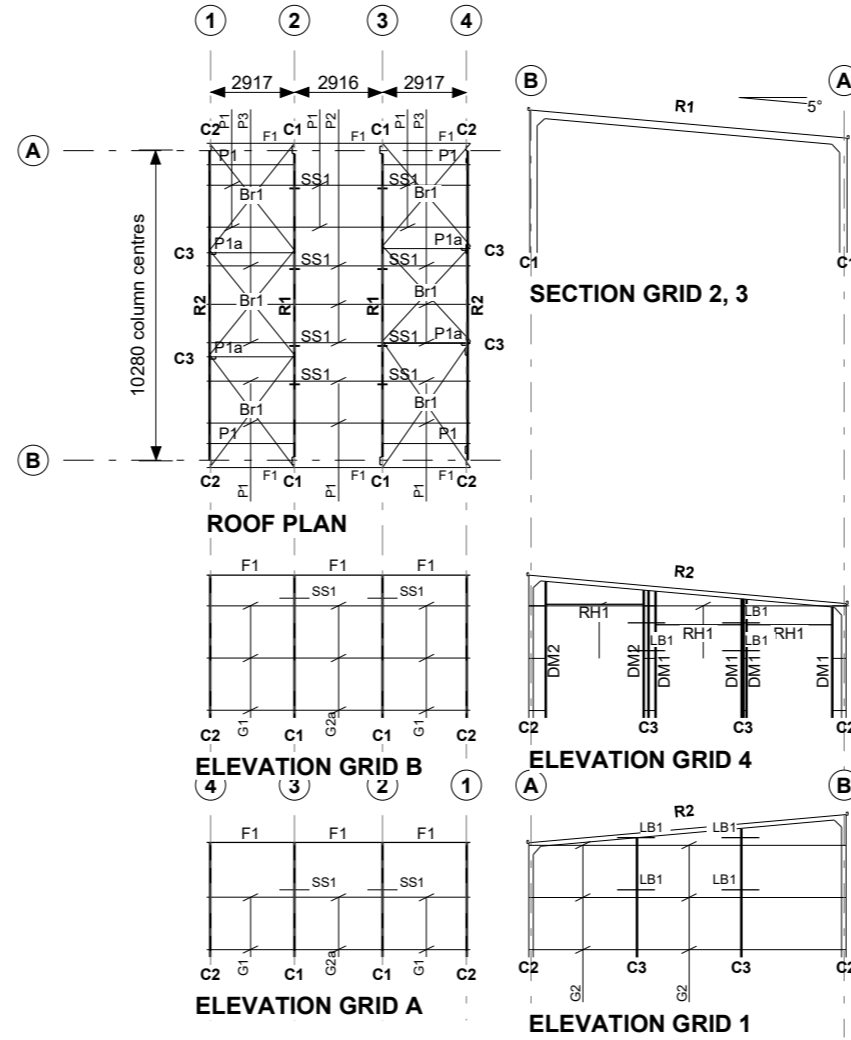
BUILDING DIMENSION
10720S x 3800/4738E x 9000L

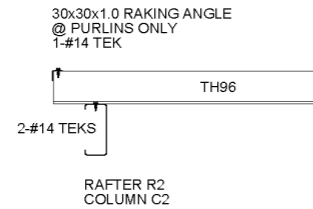
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STEEL FRAME SCHEDULE,
NOTES & COVER PAGE

DRAWING NUMBER
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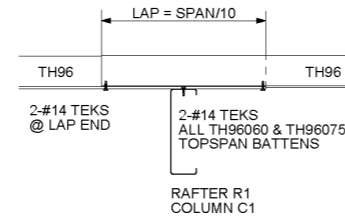
FOR BUILDING PERMIT STAGE

DRAWN	REV	SCALE	PAGE
RDS	A	NTS A3	1/12

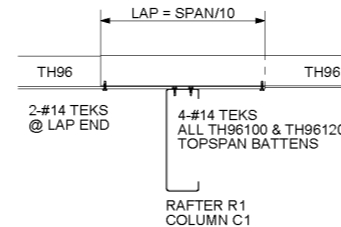




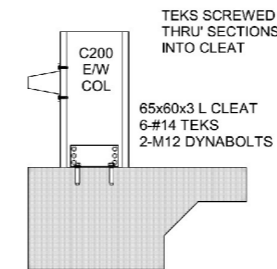
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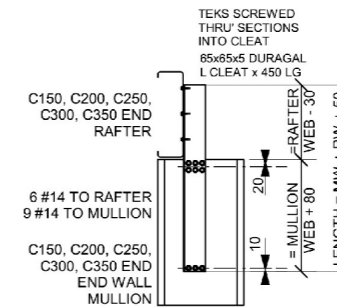
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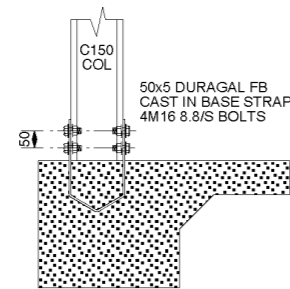
BATTEN CONNECTION - BC3



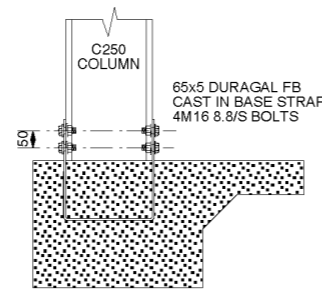
E/W COLUMN BASE - EB2



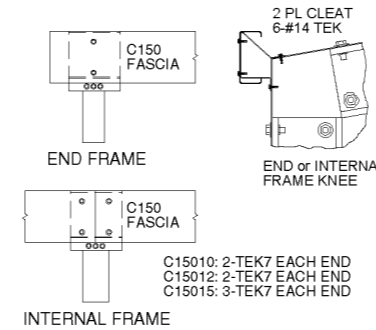
E/W COLUMN TO RAFTER CONNECTION ER1



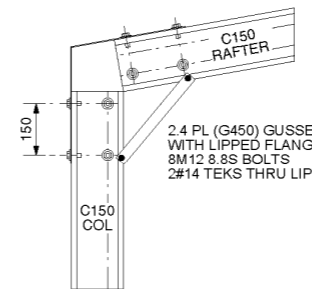
FIXED BASE - FB1



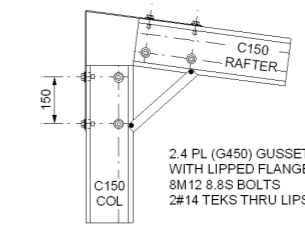
FIXED BASE - FB3



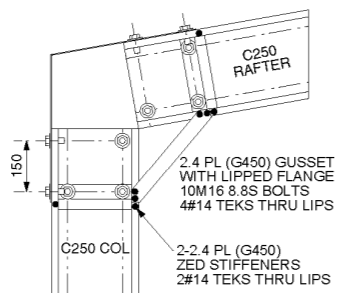
FASCIA CONNECTION - FK1



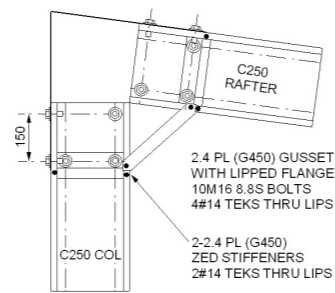
KNEE CONNECTION - KN1



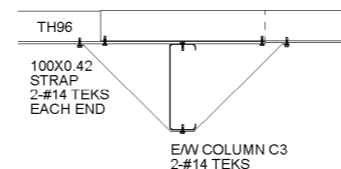
UPPER KNEE CONNECTION - KN1U



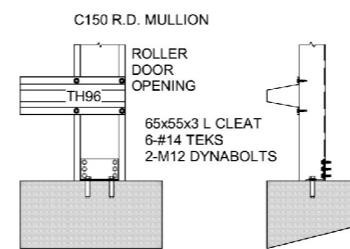
KNEE CONNECTION - KN3



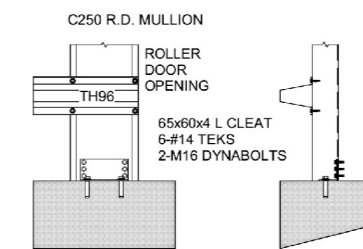
UPPER KNEE CONNECTION - KN3U



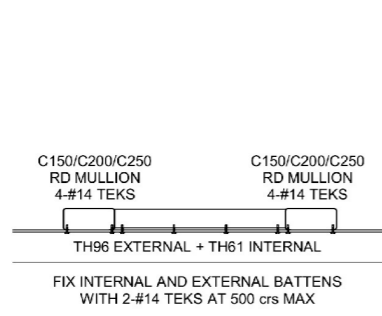
LATERAL BRACE DET - LB1



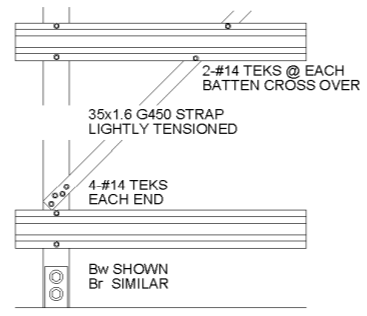
RD MULLION BASE - MB1



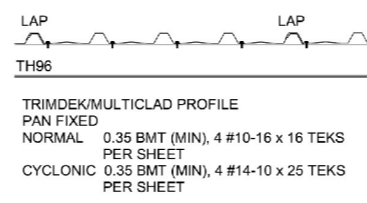
RD MULLION BASE - MB3



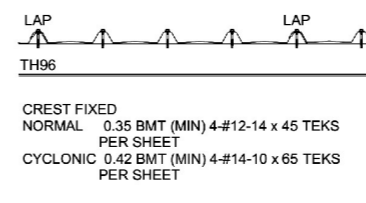
RH HEAD - RH1



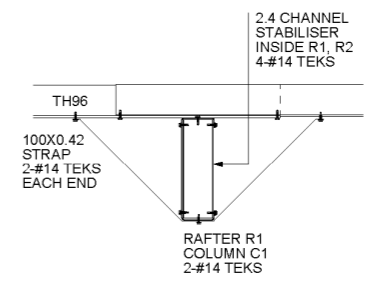
STRAP BRACING - SB1



WALL CLADDING SHEAR DIAPHRAGM - SD1



ROOF CLADDING SHEAR DIAPHRAGM - SD2



SECTION STABILISER DET - SS1



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7/03/2024

CLIENT
Richard Harris

SITE
**32 Horton Street
BIGGENDEN QLD 4621**

BUILDING TYPE
Big G Skillion

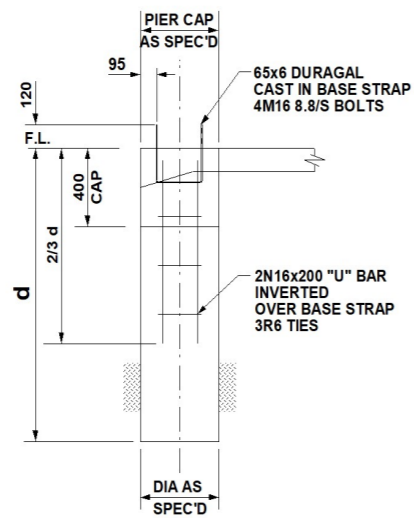
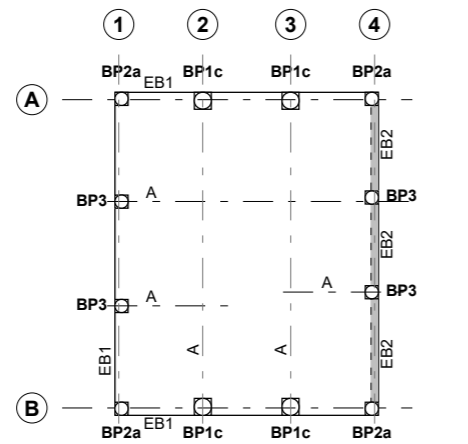
BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
CONNECTION DETAILS

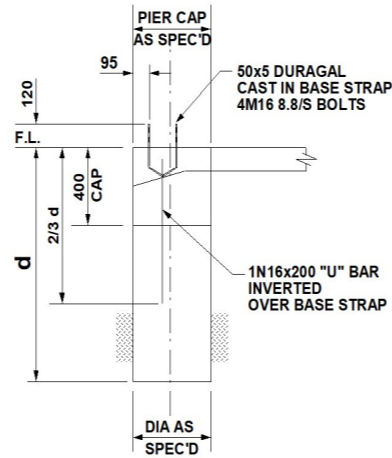
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FOR BUILDING PERMIT STAGE

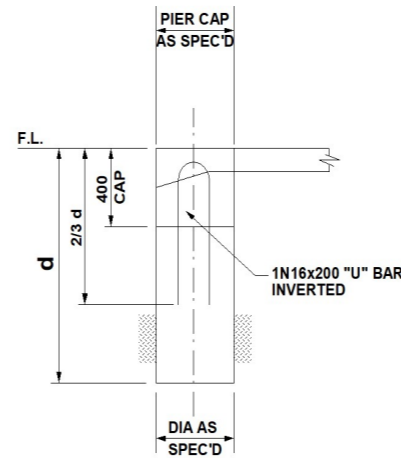
DRAWN RDS	REV A	SCALE 1:20 A3	PAGE 4/12
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TYP DET BP1c



TYP DET BP2a



TYP DET BP3

BORED PIERS WITH RC FLOOR

BORED PIERS CAST WITH RC FLOOR AND EDGE BEAM, AND ARE ECONOMICALLY SUITED FOR SHEDS ON CLAYEY GROUND. THE DESIGNS SHOWN ARE SUITABLE ONLY WITH THE CONCRETE FLOOR AND EDGE BEAMS, AND ARE NOT SUITABLE FOR ISOLATED PIERS WITH AN EARTH FLOOR OR SIMILAR.

- PIERS TO BE TAKEN THROUGH ANY FILL MATERIAL AND FOUNDED IN STIFF CLAY WITH A MINIMUM SAFE BEARING CAPACITY OF 100 kPa AND A SHAFT ADHESION OF 20 kPa.
- PROVIDE REINFORCEMENT AS SPECIFIED AND LOCATE COLUMN BASE CONNECTORS ACCURATELY AS SHOWN.

REFERENCE

- SEE SLAB DETAIL DRAWING FOR:-
- SITE FOUNDATION CLASSIFICATION NOTES
 - MINIMUM SITE PREPARATION NOTES
 - CONCRETE SPECIFICATION NOTES
 - CONCRETE REINFORCEMENT NOTES
 - SLAB ON GRADE NOTES
 - DETAIL S1/EB1 - SLAB EDGE TYPE 1
 - DETAIL S1/EB2 - SLAB EDGE TYPE 2
 - DETAIL S1/A - SLAB CONTROL JOINT
 - DETAIL S1/C - SLAB CONSTRUCTION JOINT



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SITE
**32 Horton Street
BIGGENDEN QLD 4621**

BUILDING TYPE
Big G Skillion

BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
**RC FLOOR PLAN & BORED PIER
DETAILS**

DRAWING NUMBER
ENG4/1-429620

FOR BUILDING PERMIT STAGE

DRAWN RDS	REV A	SCALE 1:40, 1:250 A3	PAGE 5/12
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BORED PIER WITH RC FLOOR SCHEDULE

CENTRE LINE REFERENCE	FRAME REFERENCE(S)	LABEL	STRAP	PIER CAP (b x b)	DIA x DEPTH
A	1, 4	BP2a	SGBS15	450 x 450	300 x 1200
A	2, 3	BP1c	SGBS25	450 x 450	300 x 750
AB	1, 4	BP3		450 x 450	300 x 600
B	1, 4	BP2a	SGBS15	450 x 450	300 x 1200
B	2, 3	BP1c	SGBS25	450 x 450	300 x 750



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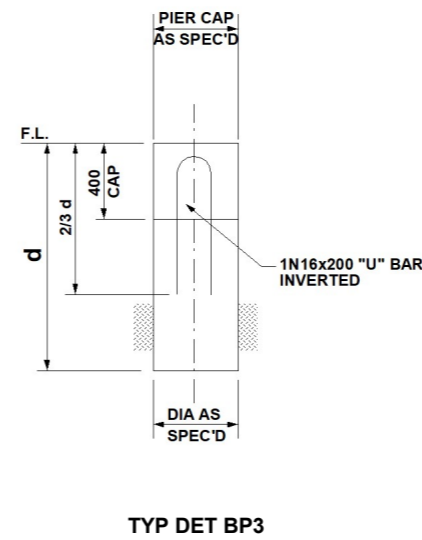
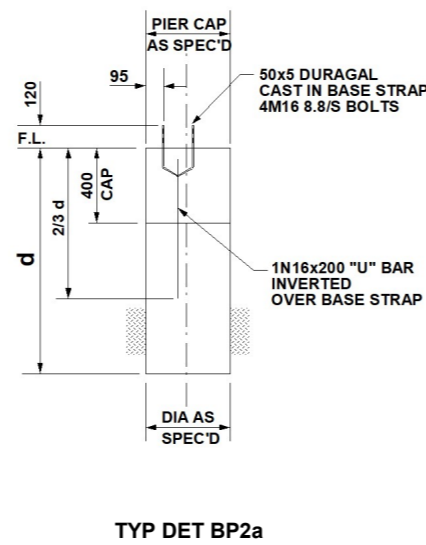
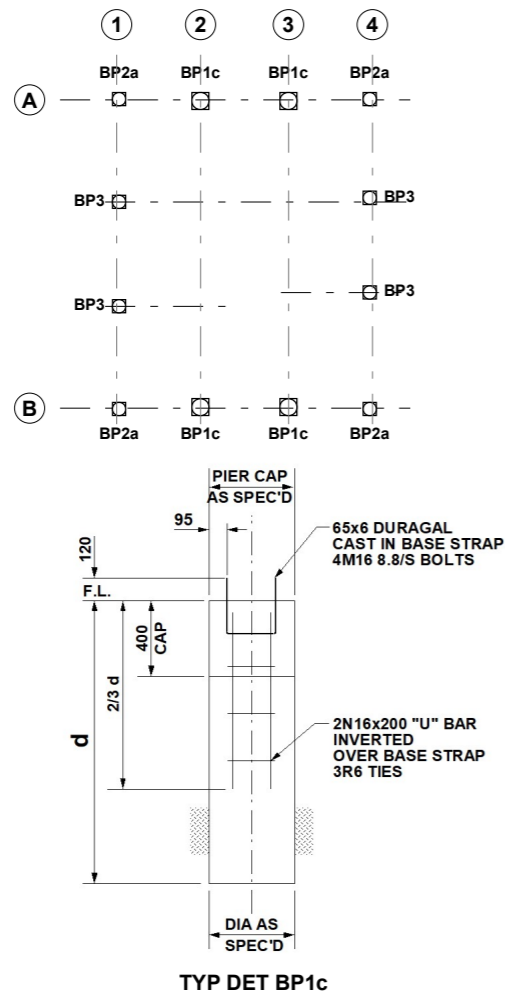
BUILDING TYPE
Big G Skillion
BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
RC FLOOR PLAN & BORED PIER
DETAILS

DRAWING NUMBER
ENG4/2-429620

FOR BUILDING PERMIT STAGE

DRAWN	REV	SCALE	PAGE
RDS	A	1:40, 1:250 A3	6/12



ISOLATED BORED PIERS

ISOLATED BORED PIERS ARE ECONOMICALLY SUITED FOR SHEDS ON CLAYEY GROUND. THE DESIGNS SHOWN ARE SUITABLE FOR ISOLATED PIERS WITH AN EARTH FLOOR OR SIMILAR.

- PIERS TO BE TAKEN THROUGH ANY FILL MATERIAL AND FOUNDED IN STIFF CLAY WITH A MINIMUM SAFE BEARING CAPACITY OF 100 kPa AND A SHAFT ADHESION OF 20 kPa.
- PROVIDE REINFORCEMENT AS SPECIFIED AND LOCATE COLUMN BASE CONNECTORS ACCURATELY AS SHOWN.

REFERENCE

- REFER TO THE FOLLOWING NOTES:-
- SITE FOUNDATION CLASSIFICATION NOTES
 - MINIMUM SITE PREPARATION NOTES
 - CONCRETE SPECIFICATION NOTES
 - CONCRETE REINFORCEMENT NOTES



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BIGGENDEN QLD 4621**

BUILDING TYPE
Big G Skillion

BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
ISOLATED BORED PIER DETAILS

DRAWING NUMBER ENG5/1-429620			
FOR BUILDING PERMIT STAGE			
DRAWN RDS	REV A	SCALE 1:40, 1:250 A3	PAGE 7/12

ISOLATED BORED PIER SCHEDULE

CENTRE LINE REFERENCE	FRAME REFERENCE(S)	LABEL	STRAP	PIER CAP (b x b)	DIA x DEPTH
A	1, 4	BP2a	SGBS15	450 x 450	300 x 1350
A	2, 3	BP1c	SGBS25	450 x 450	300 x 1050
AB	1, 4	BP3		450 x 450	300 x 600
B	1, 4	BP2a	SGBS15	450 x 450	300 x 1350
B	2, 3	BP1c	SGBS25	450 x 450	300 x 1050



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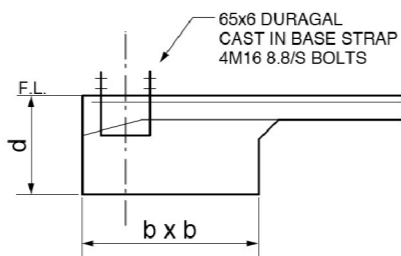
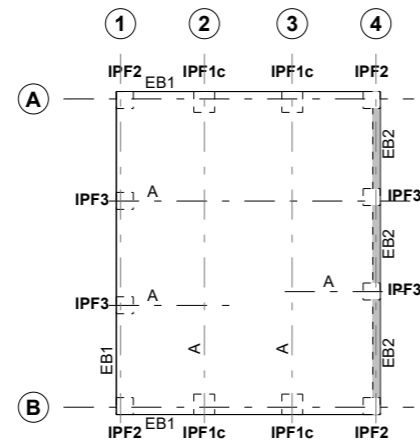
BUILDING TYPE
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BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
ISOLATED BORED PIER DETAILS

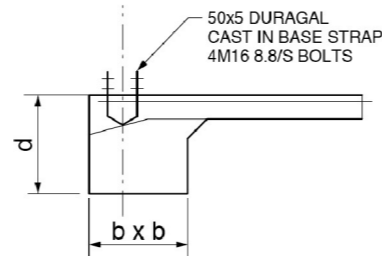
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FOR BUILDING PERMIT STAGE

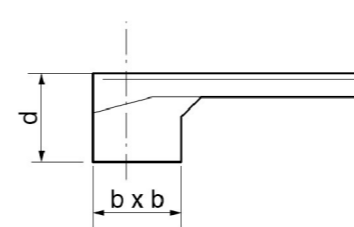
DRAWN	REV	SCALE	PAGE
RDS	A	1:40, 1:250 A3	8/12



TYP DET IPF1c



TYP DET IPF2



TYP DET IPF3

INTEGRAL PAD FOOTINGS

MASS CONCRETE FOOTINGS CAST INTEGRAL WITH FLOOR & EDGE BEAM ARE ECONOMICALLY SUITED FOR SHEDS ON SANDY GROUND.

- THIS DESIGN MAY ALSO BE USED FOR CLAYEY SOIL OR WHERE ROCK IS ENCOUNTERED.
- ALL PAD FOOTINGS TO BE FOUNDED IN NATURAL GROUND WITH A SAFE BEARING CAPACITY OF 100 kPa AT DEPTH INDICATED.

THE DEPTH "d" MAY BE REDUCED TO A MINIMUM OF 400mm PROVIDED THAT "b" DIMENSIONS ARE ADJUSTED TO MAINTAIN THE SAME VOLUME OF CONCRETE.

REFERENCE

- SEE SLAB DETAIL DRAWING FOR:-
- MINIMUM SITE PREPARATION NOTES
 - MINIMUM SITE PREPARATION NOTES
 - CONCRETE SPECIFICATION NOTES
 - CONCRETE REINFORCEMENT NOTES
 - SLAB ON GRADE NOTES
 - DETAIL S1/EB1 - SLAB EDGE TYPE 1
 - DETAIL S1/EB2 - SLAB EDGE TYPE 2
 - DETAIL S1/A - SLAB CONTROL JOINT
 - DETAIL S1/C - SLAB CONSTRUCTION JOINT



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SITE
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BIGGENDEN QLD 4621**

BUILDING TYPE
Big G Skillion

BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
**RC FLOOR PLAN & INTEGRAL
PAD FOOTING DETAILS**

DRAWING NUMBER
ENG6/1-429620

FOR BUILDING PERMIT STAGE

DRAWN RDS	REV A	SCALE 1:40, 1:250 A3	PAGE 9/12
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INTEGRAL PAD FOOTING SCHEDULE

CENTRE LINE REFERENCE	FRAME REFERENCE(S)	LABEL	STRAP	d x b x b
A	1, 4	IPF2	SGBS15	550 x 550 x 550
A	2, 3	IPF1c	SGBS25	350 x 450 x 450
AB	1, 4	IPF3		300 x 450 x 450
B	1, 4	IPF2	SGBS15	550 x 550 x 550
B	2, 3	IPF1c	SGBS25	350 x 450 x 450



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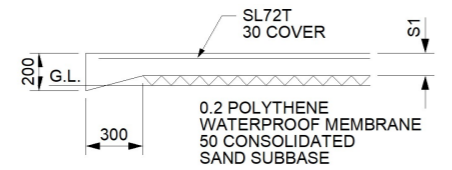
BUILDING TYPE
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BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
RC FLOOR PLAN & INTEGRAL
PAD FOOTING DETAILS

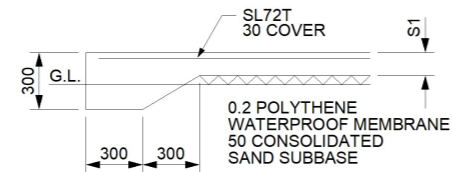
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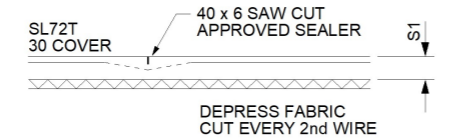
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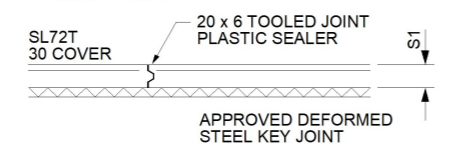
DET S1/EB1
NOT SUITABLE AT OPENINGS
SUBJECT TO VEHICLE TRAFFIC



DET S1/EB2
REQUIRED AT OPENINGS
SUBJECT TO VEHICLE TRAFFIC



DET S1/A
CONTROL JOINT



DET S1/C
CONSTRUCTION JOINT

SLAB THICKNESS (S1) = 100mm

PROVIDE CONSTRUCTION JOINTS SO THAT THE MAXIMUM UNBROKEN RUN OF CONCRETE IS 20m IN EITHER DIRECTION

SITE FOUNDATION CLASSIFICATION

TWO COMMON FOUNDATION CONDITIONS & SITE CLASSIFICATIONS IN ACCORDANCE WITH AS2870 ARE USED FOR THE STANDARDISED FOOTING DESIGNS AS FOLLOWS:-

- STIFF CLAY CONFORMING TO AS2870 CLASS M. MINIMUM SAFE BEARING CAPACITY - 100 kPa. SHAFT ADHESION - 20 kPa
- DENSE SAND CONFORMING TO AS2870 CLASS A/S. MINIMUM SAFE BEARING CAPACITY - 100 kPa.
- A SITE SPECIFIC GEOTECHNICAL INVESTIGATION IS RECOMMENDED & IF CONDITIONS OTHER THAN ASSUMED ARE ENCOUNTERED A DIFFERENT FOOTING DESIGN MAY BE REQUIRED & SHOULD BE REFERED TO A QUALIFIED LOCAL ENGINEER.
- ALL FOOTINGS TO BE FOUNDED IN NATURAL GROUND.
- NO FOOTING TO BE FOUNDED ON FILL MATERIAL.
- REFERENCE SHOULD BE MADE TO CSIRO PUBLICATION 10.91 GUIDE TO HOME OWNERS ON FOUNDATION MAINTENANCE & FOOTING PERFORMANCE

MINIMUM SITE PREPARATION

- STRIP SITE OF ALL TOP SOIL & DISCARD TO SPOIL. THE EXPOSED SURFACE TO BE PROOF ROLLED & AREAS REMAINING SOFT OR SPONGY ARE TO BE EXCAVATED TO SPOIL.
- PLACE APPROVED GRANULAR FILL MATERIAL TO THE REQUIRED BUILDING PLATFORM LEVEL IN LAYERS NOT EXCEEDING 200mm AND COMPACT BY ROLLING WITH SUITABLE EQUIPMENT TO ACHIEVE A DRY DENSITY RATIO OF 98% STANDARD COMPACTION TO AS1289 - E1.1 AT OPTIMUM MOISTURE CONTENT. THE TOP 200mm TO BE COMPACTED TO 100% STANDARD DRY DENSITY.
- THE COMPACTION OF ALL FILL MATERIAL TO BE INSPECTED AND APPROVED BY A RESPONSIBLE GEOTECHNICAL CONSULTANT.

CONCRETE REINFORCEMENT

- REINFORCEMENT IS REPRESENTED DIAGRAMATICALLY & NOT NECESSARILY IN TRUE PROJECTION.
- REINFORCEMENT NOTATION:-
 - N DENOTES HOT ROLLED DEFORMED BAR.
 - SL DENOTES HARD DRAWN WELDED WIRE FABRIC. THE NUMBER IMMEDIATELY FOLLOWING BAR NOTATION IS THE NOMINAL DIAMETER IN mm.
- PROVIDE BAR SUPPORTS OR SPACERS TO GIVE THE FOLLOWING COVER TO ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FOOTINGS	80 BOTTOM, 65 TOP & SIDES
SLABS	30 BOTTOM, 20 TOP
BEAMS	40 BOTTOM & SIDES TO STIRRUPS. TOP COVER AS DETAILED
- PROVIDE 2N12 DIAGONAL CORNER BARS 900 LONG AT ALL RE-ENTRANT CORNERS OF OPENINGS IN SLABS AND THESE BARS TO BE POSITIONED 30mm FROM THE CORNER.

CONCRETE SPECIFICATION

- CARRY OUT ALL WORK IN ACCORDANCE WITH THE CURRENT ISSUE OF AS3600 & THE SPECIFICATION.
- CONCRETE SIZES SHOWN DO NOT INCLUDE FINISH & MUST NOT BE REDUCED OR HOLED IN ANY WAY WITHOUT THE ENGINEERS APPROVAL. DEPTH OF BEAMS INCLUDE SLAB THICKNESS.
- SLABS & BEAMS ARE TO BE POURED TOGETHER.
- CONSOLIDATE BY VIBRATION.
- SLAB CONCRETE TO BE AS SHOWN IN SLAB ON GRADE CRITERIA.
- BORED PIER CONCRETE SHALL HAVE $F_c = 25$ MPa, MAXIMUM AGGREGATE SIZE = 20 mm, SLUMP = 100 mm, EXCEPT FOR BCA CLASSES 2 TO 9 BUILDINGS CONCRETE SHALL HAVE $F_c = 32$ MPa.

SLABS ON GRADE

- SLABS TO BE PLACED OVER 25 CONSOLIDATED SAND OVER PREPARED SUBGRADE.
- PROVIDE 0.2 POLYTHENE FORTICON WATERPROOF MEMBRANE UNDER ALL SLABS WITH LAPPED & TAPED JOINTS.
- PLACE PUMP MIX CONCRETE AS SPECIFIED BELOW TO ACCURATE LEVELS AS PER ARCHITECTS SPECIFICATION.
- PROVIDE CONTROL JOINTS AS INDICATED BY NEATLY SAW CUTTING 40 x 6 GROOVES WITHIN 12 HOURS OF THE FINAL FLOAT OF THE CONCRETE.
- CURE SLAB FOR 7 DAYS AFTER PLACEMENT BY MAINTAINING A CONTINUOUSLY WET SURFACE BY APPROVED METHODS. FLOODING & COVERING WITH POLYTHENE IMMEDIATELY AFTER FINISHING IS AN APPROVED METHOD.
- SEALING OF JOINTS TO BE CARRIED OUT ONE MONTH MINIMUM AFTER CURING IS COMPLETE.
- PROVIDE PROPER STORMWATER DRAINAGE AWAY FROM THE BUILDING.

SLAB ON GRADE CRITERIA

CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (MPa)	25
FLEXURAL STRENGTH AT 90 DAYS (MPa)	5
SLUMP (mm)	100
AGGREGATE MAXIMUM SIZE (MM)	20
CEMENT TYPE	SL
CEMENT CONTENT (kg/cubic metre) MIN	320
FLY ASH CONTENT (kg/cubic metre) MAX	70
WATER / CEMENT RATIO (MAX)	0.45
MICROSTRAIN AT 56 DAYS	600
FLOOR FINISH - BURNISHED STEEL TROWEL	NON SLIP
FLOOR TOLERANCE	CLASS B

- FOR OTHER LOAD CONDITIONS A DESIGN VARIATION IS REQUIRED & SHOULD BE REFERED TO A QUALIFIED LOCAL ENGINEER.



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Level 1, 12 Beaumont St Hamilton NSW 2303
+61 2 4962 4311
7/03/2024

CLIENT
Richard Harris

SITE
**32 Horton Street
BIGGENDEN QLD 4621**

BUILDING TYPE
Big G Skillion

BUILDING DIMENSION
10720S x 3800/4738E x 9000L

TITLE
RC SLAB PLAN

DRAWING NUMBER
ENG7/1-429620

FOR BUILDING PERMIT STAGE

DRAWN RDS	REV A	SCALE 1:40 A3	PAGE 11/12
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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 (include no., street, suburb/locality and postcode)</p> <p>32 HORTON STREET BIGGENDEN QLD 4621</p> <p>Lot and plan details (attach list if necessary)</p> <p>Local government area the land is situated in?</p>
<p>2. Description of aspects/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>STEEL STRUCTURE SLAB & FOOTINGS</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>Designed in accordance with NCC 2022 Volume 2 Part A5G3 & Australian Standards: AS1170.0 1, 2, AS4100, AS4600, AS3600, AS2870</p> <p>The design complies with the NCC 2022 Volume 2 requirements for the roof/wall cladding, connections and immediate supports</p> <p>Wind Region: B1 Terrain Cat: 2 BCA Importance Level: 2</p> <p>Earthquake Acceleration Coefficient: TBS BCA Class: 10a</p> <p>Annual Probability of Exceedance: 1 in 500 VR: 57 m/sec</p> <p>Md: 0.95 Mz cat: 0.91 Ms: 1.0 Mt: 1.0 Vsit: 49.3</p> <p>Cpi: 0.0, -0.3 (Enclosed)</p>

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? (sections 10 of the Building Act 1975 (Building Act) and 73 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 specifications 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 Standards.

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 left-hand 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**.



Lysaght Building Solutions trading as Ranbuild
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Telephone +61 2 4962 4311
Facsimile +61 2 4962 3421
www.ranbuild.com.au

Enquiries to: Alexander Filonov

7th March 2024

The Manager
Ranbuild
PO Box 170
HAMILTON NSW 2303



Dear Sir/Madam,

Re: STRUCTURAL ADEQUACY OF STEEL FRAMED BUILDING

Client: Richard Harris
Ranbuild Job No: 429620
Type: Big G
Location: 32 Horton Street BIGGENDEN QLD 4621
Plans: ENG1/1-429620, ENG2/1-429620, ENG3/1-429620, ENG3/2-429620, ENG4/1-429620, ENG4/2-429620, ENG5/1-429620, ENG5/2-429620, ENG6/1-429620, ENG6/2-429620, ENG7/1-429620, 429620-GA

Being a professional engineer within the meaning of NCC 2022 Volume Two, Part A5G3 with Ranbuild Sheds we have undertaken a structural analysis of the steel framed building as described above. These plans were analysed in accordance with NCC 2022 Volume Two, Under Part A5G3 as Evidence of Suitability, Schedule 2 Referenced Documents : AS/NZS 1170.1, AS/NZS 1170.2, AS/NZS 1170.4, AS 4100, AS 2870, AS 1562 Part 1 and AS/NZS 4600.

Building Class: 10a

Based on our structural analysis, we are satisfied that the standard engineering drawings attached are suitable for the above project with the following modification.

- DM1 = C20024
- C2 = C15019

Yours faithfully,

Alexander Filonov

Alexander Filonov
MIEAust, CPEng, NPER, RPEQ 8094, CC4719P, PE 0003374
Engineering Manager
Lysaght Building Solutions

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**SITE SPECIFIC
DESIGN CRITERIA
ANALYSIS**



Issued:
08/03/2024

Prepared for:
Richard Harris
32 Horton Street
BIGGENDEN QLD 4621

Supplier:
Wide Bay Kit Supplies

Assessment Ref:
BSC24030605UT

Certified by:

Alex Filonov

Building Details:
Span: 10.72
Length: 9
Avg. Height: 4.269

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

<p>4. Reference documentation</p> <p>Clearly identify any relevant documentation, e.g. numbered structural engineering plans.</p>	<p>ENG1/1-429620 ENG2/1-429620 ENG3/1-429620 ENG3/2-429620 ENG4/1-429620 ENG4/2-429620 ENG5/1-429620 ENG5/2-429620 ENG6/1-429620 ENG6/2-429620 ENG7/1-429620 429620-GA - DM1 = C20024 - C2 = C15019</p>
<p>5. Building certifier reference number and building development application number</p>	<p>Building certifier reference number</p> <p>Building development application number (if available)</p>
<p>6. Appointed competent person details</p> <p>Under Part 6 of the Building Regulation 2021 a person must be assessed as a competent for the type of work (design-specification) by the relevant building certifier.</p>	<p>Name (in full) Alexander Filonov</p> <p>Company name (if applicable) Contact person Lysaght Building Solutions Alexander Filonov</p> <p>Business Phone no. Mobile no. Fax no. 02 4962 4311 N/A 02 4962 3421</p> <p>Email address alexander.filonov@bluescopesteel.com</p> <p>Postal address PO Box 170 HAMILTON NSW 2303</p> <p>Licence or registration number (if applicable) RPEQ 8094</p> <p>Licence class or registration type (if applicable) CIVIL</p>
<p>7. Signature of appointed competent person</p> <p>This certificate must be signed by the individual assessed and appointed by the building certifier as competent to give design-specification help.</p>	<p>Signature Date <i>Alexander Filonov</i> 7/03/2024</p> <p>Ranbuild Ref Number: 429620</p>
<p>LOCAL GOVERNMENT USE ONLY</p> <p>Date received Reference Number/s</p>	

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 Location:
Geographic coordinates of
-25.51353,152.03746
The address provided for reference purpose only is:
32 Horton Street BIGGENDEN QLD 4621

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	B1							
Importance level (IL)	2							
Distance from Smoothed Coastline	N/A							
Regional Wind Speed (Vr)	57.0							
Climate Change Factor (Mc)	1							
Terrain Category (TC)	2.24	2.48	2.25	2.04	2	2	2	2
Terrain Category Multiplier (Mz)	0.89	0.87	0.89	0.91	0.91	0.91	0.91	0.91
Shielding Multiplier (Ms)	1	1	1	1	1	1	1	1
Topographic Multiplier (Mt)	1	1	1	1	1	1	1	1
Wind Direction Multiplier 1 (Md1)	0.75	0.75	0.85	0.9	0.95	0.95	0.95	0.9
Site specific design wind speed (Vsite1)	38.1	37.3	43.1	46.5	49.3	49.3	49.3	46.7
Wind Direction Multiplier 2 (Md2)	0.75	0.75	0.85	0.9	0.95	0.95	0.95	0.9
Site specific design wind speed (Vsite2)	38.1	37.3	43.1	46.5	49.3	49.3	49.3	46.7

Design Wind Speed (Vsite1)	49.3 m/s	for the resultant forces and overturning moments on the complete building and wind actions on major structural elements.
Design Wind Speed (Vsite2)	49.3 m/s	for cladding and immediate supporting structures (Purlins and Girts)
Snow Load	Nil	
Earthquake	0.1	Hazard Design Factor (Z)
Durability Alert	Yes	It is likely that the building is subject to a Marine Influence and Industrial Influence. You should satisfy yourself that any BlueScope or other warranties specific for your site are satisfactory for your purpose. Amongst other sources, you should contact BlueScope on 1800 800 789.
Rainfall Intensity	232mm/hr	5% AEP
Rainfall Intensity	301mm/hr	1% AEP