DA Form 1 – Development application details

Approved form (version 1.0 effective 3 July 2017) made under section 282 of the Planning Act 2016.

This form **must** be used to make a development application **involving code assessment or impact assessment**, except when applying for development involving building work.

For a development application involving building work only, use DA Form 2 - Building work details.

For a development application involving **building work associated with any other type of assessable development**, use this form (*DA Form 1*) **and** parts 4 to 6 of *DA Form 2 – Building work details*.

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)	LIZ LANG & JUERGEN KEONIG
Contact name (only applicable for companies)	
Postal address (P.O. Box or street address)	G-GMA CERTIFICATION GIPOUP
Suburb	P.D. BOX 831
State	PORT DOUGLAS Q
Postcode	4877
Country	
Contact number	0407 350 158 adminped@gnacent.com.au
Email address (non-mandatory)	adminped a macent- Lom-au
Mobile number (non-mandatory)	
Fax number (non-mandatory)	
Applicant's reference number(s) (if applicable)	

2) Owner's consent	
2.1) Is written consent of the owner required for this development application?	
I set a the written consent of the owner(s) is attached to this development application No – proceed to 3)	
🗹 No – proceed to 3)	



PART 2 – LOCATION DETAILS

	: Relevant plans.				premises part of the develop	ment application. For further information, see <u>DA Forms</u>
3.1) \$	Street addres	s and lot on pl	lan			
🗍 Si	treet address	AND lot on pl AND lot on pl nt to land e.g. jett	an for a	an adjoining	or adjacent property of	the premises (appropriate for development in water
	ut adjoining or adjacent to land e.g. jetty, pontoon; all lots must be listed). Unit No. Street No. Street Name and Type			Suburb		
		21	 Anorecentration 		5 CONPA	ROCKY POINT
a)	Postcode	Lot No.	1.00602040044404		umber (e.g. RP, SP)	Local Government Area(s)
	4873	3(s concernances	P 74°		DOUGNES
	Unit No.	Street No.		t Name and		Suburb
b)	Postcode	Lot No.	Plan	Type and N	umber (e.g. RP, SP)	Local Government Area(s)
3.2) (Coordinates o	f premises (or	nropriat	e for developm	ent in remote areas, over perf	t of a lot or in water not adjoining or adjacent to land e.g.
chann	el dredging in Mo	preton Bay)				
			00400605555065746		e set of coordinates is require	d for this part.
CALCER STREET, SA		premises by I			de	
Long	itude(s)	Latil	tude(s)		Datum	Local Government Area(s) (<i>if applicable</i>)
					WGS84	
					GDA94	
					Other:	
		premises by e				
Easti	ng(s)	Northing(s)	Zone Ref.	Datum	Local Government Area(s) (if applicable)
				54		
				55	GDA94	
3 3) /	Additional pre	mises				
			iont to i	thia davalan	mont application and th	oir dataile have been attached in a schedule
	s application		antio	uns develop	inent application and th	eir details have been attached in a schedule
	ot required					
4) Ide	entify any of t	ne following th	at app	ly to the pre	mises and provide any r	relevant details
🗌 In	or adjacent t	o a water bod	y or wa	itercourse o	r in or above an aquifer	
Name	e of water boo	dy, watercours	se or ac	quifer:		
0	n strategic po	rt land under i	the <i>Tra</i>	nsport Infra	structure Act 1994	
Lot of	n plan descrip	otion of strateg	gic port	land:		
	e of port auth	ority for the lot	t:			
Name	a tidal area					
			e tidal	area (if applic	able):	
🗌 In		ernment for th				
In In Name	e of local gove	ernment for th ority for tidal a		applicable):		
In In Name	e of local gove e of port autho	ority for tidal a	irea (if a		icturing and Disposal) A	Act 2008
In Name Name	e of local gove e of port autho	ority for tidal a	irea (if a		icturing and Disposal) A	Act 2008
In Name Name Or Name	e of local gove e of port authe n airport land e of airport:	ority for tidal a under the <i>Air</i> f	irea (if a port As	sets (Restru		Act 2008

Listed on the Contaminated Land Register (CLR) under the Environmental	Protection Act 1994
CLR site identification:	

5) 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 <u>DA Forms Guide.</u>

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

PART 3 - DEVELOPMENT DETAILS

Section 1 – Aspects of development

6.1) Provide details about the fir	st development aspect		
a) What is the type of developm	ent? (tickyonly one box)		
Material change of use	Reconfiguring a lot	Operational work	Building work
b) What is the approval type? (tid	ck only one box)		
Development permit	Preliminary approval	Preliminary approval the a variation approval	nat includes
c) What is the level of assessme	ent?		
Code assessment	Impact assessment (requ	uires public notification)	
d) Provide a brief description of <i>lots</i>):	the proposal (e.g. 6 unit apartment	building defined as multi-unit dwellin	g, reconfiguration of 1 lot into 3
PROPOSED	CARACE		
e) Relevant plans Note: Relevant plans are required to be <u>Relevant plans.</u>	submitted for all aspects of this devel	opment application. For further inform	nation, see <u>DA Forms quide:</u>
Relevant plans of the propos	ed development are attached	to the development applicatio	n
6.2) Provide details about the se	cond development aspect		
a) What is the type of developm	ent? (tick only one box)		
Material change of use	Reconfiguring a lot	Operational work	Building work
b) What is the approval type? (tid	sk only one box)		
Development permit	Preliminary approval	Preliminary approval the approval	nat includes a variation
c) What is the level of assessme	nt?		
Code assessment	Impact assessment (requ	uires public notification)	
d) Provide a brief description of t	the proposal (e.g. 6 unit apartment	building defined as multi-unit dwellin	g, reconfiguration of 1 lot into 3 lots)
e) Relevant plans Note: Relevant plans are required to be <u>Relevant plans.</u> Relevant plans of the propose			
6.3) Additional aspects of develo	pment		
Additional aspects of develop that would be required under Pa	oment are relevant to this deve rt 3 Section 1 of this form have		

Section 2 – Further development details

	PLANNING SCHEME
Building work	Yes - complete DA Eorm 2 - Building work details ASSTSSABUE ASIM UST
Operational work	Yes - complete division 3
Reconfiguring a lot	Yes – complete division 2
Material change of use	Yes – complete division 1 if assessable against a local planning instrument
7) Does the proposed deve	lopment application involve any of the following?

Division 1 - Material change of use

Note: This division is only required to be completed if any part of the development application involves a material change of use assessable against a local planning instrument.

8.1) Describe the proposed material cha	inge of use		
Provide a general description of the proposed use	Provide the planning scheme definition (include each definition in a new row)	Number of dwelling units <i>(if applicable)</i>	Gross floor area (m²) <i>(if applicable)</i>
PROPOSED CIDEACE	BUILDING WORK	,	- <u>6</u>
8.2) Does the proposed use involve the	use of existing buildings on the premises?		
☐ Yes ☑ No			

Division 2 - Reconfiguring a lot

Note: This division is only required to be completed if any part of the development application involves reconfiguring a lot.

9.1) What is the total number of existing lots making up the premises?

9.2) What is the nature of the lot reconfiguration? (tick all applicable boxes)

Subdivision (complete 10))

Boundary realignment (complete 12))

Dividing land into parts by agreement (complete 11))
 Creating or changing an easement giving access to a lot from

a construction road (complete 13))

10) Subdivision 10.1) For this development, ho	w many lots are be	eing created and wh	at is the intended	use of those lots:
Intended use of lots created	Residential	Commercial	Industrial	Other, please specify:
Number of lots created				
10.2) Will the subdivision be sta	aged?			
 Yes – provide additional det No 	ails below			
How many stages will the work	s include?			
What stage(s) will this develops apply to?	ment application			

11) Dividing land into parts by agreement – how many parts are being created and what is the intended use of the parts?					
Intended use of parts created	Residential	Commercial	Industrial	Other, please specify:	
Number of parts created					

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12) Boundary realignment 12.1) What are the current a	nd proposed areas for each	lot comprising the premises?		
Cı	irrent lot	Proposed lot		
Lot on plan description	Area (m²)	Lot on plan description	Area (m²)	
12.2) What is the reason for	the boundary realignment?			

13) What are the dimensions and nature of any existing easements being changed and/or any proposed easement? (attach schedule if there are more than two easements)					
Existing or proposed?	Width (m) Length (m	Length (m)	Purpose of the easement? (e.g. pedestrian access)	Identify the land/lot(s) benefitted by the easement	

Division 3 – Operational work

Note: This division is only required to be completed if any part of the development application involves operational work.

14.1) What is the nature of the oper	ational work?	
Road work	Stormwater	Water infrastructure
Drainage work	Earthworks	Sewage infrastructure
Landscaping	Signage	Clearing vegetation
Other – please specify:		
14.2) Is the operational work neces	sary to facilitate the creation of n	ew lots? (e.g. subdivision)
Yes – specify number of new lots	S:	
□ No		
14.3) What is the monetary value of	the proposed operational work?	(include GST, materials and labour)
\$		

PART 4 – ASSESSMENT MANAGER DETAILS

15) Identify the assessment manager(s) who will be assessing this development application Doug and some state of the superseded planning scheme for this development application? 16) 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 Local government is taken to have agreed to the superseded planning scheme request – relevant documents attached No

PART 5 – REFERRAL DETAILS

17) Do any aspects of the proposed development require referral for any referral requirements? *Note:* A development application will require referral if prescribed by the Planning Regulation 2017.

No, there are no referral requirements relevant to any development aspects identified in this development application – proceed to Part 6

Matters requiring referral to the chief executive of the Planning Regulation 2017:

Clearing native vegetation

Contaminated land (unexploded ordnance)

Environmentally relevant activities (ERA) (only if the ERA have not been devolved to a local government)
Fisheries – aquaculture
 Fisheries – declared fish habitat area Fisheries – marine plants
☐ Fisheries – maine plants
Hazardous chemical facilities
Queensland heritage place (on or near a Queensland heritage place)
□ Infrastructure – designated premises
Infrastructure – state transport infrastructure
Infrastructure – state transport corridors and future state transport corridors
Infrastructure – state-controlled transport tunnels and future state-controlled transport tunnels
Infrastructure – state-controlled roads
Land within Port of Brisbane's port limits
SEQ development area
SEQ regional landscape and rural production area or SEQ Rural living area – community activity
SEQ regional landscape and rural production area or SEQ Rural living area – indoor recreation
SEQ regional landscape and rural production area or SEQ Rural living area – residential development
SEQ regional landscape and rural production area or SEQ Rural living area – urban activity
Tidal works or works in a coastal management district
Urban design
Water-related development – taking or interfering with water
Water-related development – removing quarry material (from a watercourse or lake)
Water-related development – referable dams
Water-related development – construction of new levees or modification of existing levees (category 2 or 3 levees only)
Wetland protection area
Matters requiring referral to the local government:
Airport land
Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government)
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity:
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to:
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council:
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994:
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Strategic port land
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994: Brisbane core port land Matters requiring referral to the relevant port operator:
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Strategic port land Matters requiring referral to the relevant port operator: Brisbane core port land (below high-water mark and within port limits)
 Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994: Strategic port land Matters requiring referral to the relevant port operator: Brisbane core port land (below high-water mark and within port limits) Matters requiring referral to the chief executive of the relevant port authority:
Airport land Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: • The chief executive of the holder of the licence, if not an individual • The chief executive of the holder of the licence is an individual • Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994: Brisbane core port land Matters requiring referral to the relevant port operator: Brisbane core port land Matters requiring referral to the chief executive of the relevant port authority: Land within limits of another port
Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994: Brisbane core port land Matters requiring referral to the relevant port operator: Brisbane core port land Matters requiring referral to the chief executive of the relevant port limits) Matters requiring referral to the chief executive of the relevant port authority: Land within limits of another port Matters requiring referral to the Cold Coast Waterways Authority:
Airport land Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: • The chief executive of the holder of the licence, if not an individual • The chief executive of the holder of the licence is an individual • Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994: Brisbane core port land Matters requiring referral to the relevant port operator: Brisbane core port land Matters requiring referral to the chief executive of the relevant port authority: Land within limits of another port
Airport land Environmentally relevant activities (ERA) (only if the ERA have been devolved to local government) Local heritage places Matters requiring referral to the chief executive of the distribution entity or transmission entity: Electricity infrastructure Matters requiring referral to: The chief executive of the holder of the licence, if not an individual The holder of the licence, if the holder of the licence is an individual Oil and gas infrastructure Matters requiring referral to the Brisbane City Council: Brisbane core port land Matters requiring referral to the Minister under the Transport Infrastructure Act 1994: Brisbane core port land Matters requiring referral to the relevant port operator: Brisbane core port land Matters requiring referral to the chief executive of the relevant port limits) Matters requiring referral to the chief executive of the relevant port authority: Land within limits of another port Matters requiring referral to the Cold Coast Waterways Authority:

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 18) 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 of referral response		
Identify and describe any change response and the development a application <i>(if applicable)</i> .	es made to the proposed development a application the subject of this form, or inc	pplication that was the subject of the referral lude details in a schedule to this development		

PART 6 – INFORMATION REQUEST

19) 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.

PART 7 – FURTHER DETAILS

20) Are there any associated de	evelopment applications or c	urrent approvals? <i>(e.g. a</i> µ	oreliminary approval)	
Yes – provide details below or include details in a schedule to this development application No				
List of approval/development application references	Reference number	Date	Assessment manager	
Approval Development application				
Approval Development application				

21) Has the portable long service leave levy been paid? (only applicable to development applications involving building work or operational work)

Yes – the yellow local	government/private	certifier's copy of	of the receipted	QLeave form	is attached to this
development application					
□ No – I, the applicant w	ill provide evidence	that the portable	e long service le	ave 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

Amount paid	Date paid (dd/mm/yy)	QLeave levy number (A, B or E)
\$		

22) Is this development application in response to a show cause notice or required as a result of an enforcement notice	e?
Ses – show cause or enforcement notice is attached	
17 No	

23) Further legislative requirement	ts	
Environmentally relevant activity	ties	
	ion also taken to be an application for an environmental authority for an ity (ERA) under section 115 of the <i>Environmental Protection Act</i> 1994?	
development application, and deta	(form EM941) for an application for an environmental authority accompanies this ails are provided in the table below thority can be found by searching "EM941" at <u>www.qld.gov.au</u> . An ERA requires an environmental authority for further information.	
Proposed ERA number:	Proposed ERA threshold:	
Proposed ERA name:		
Multiple ERAs are applicate to this development applied	ble to this development application and the details have been attached in a schedule cation.	
Hazardous chemical facilities		
23.2) Is this development applicat	ion for a hazardous chemical facility?	
 Yes – Form 69: Notification of application No Note: See <u>www.justice.gld.gov.au</u> for furth 	a facility exceeding 10% of schedule 15 threshold is attached to this development	
Clearing native vegetation		
23.3) Does this development app	lication involve clearing native vegetation that requires written confirmation the chief <i>gement Act 1999</i> is satisfied the clearing is for a relevant purpose under section 22A ct 1999?	
Yes – this development applic Vegetation Management Act 1999 No No Note: See <u>www.gld.gov.au</u> for further info		
Environmental offsets		
23.4) Is this development applica	tion taken to be a prescribed activity that may have a significant residual impact on a er under the <i>Environmental Offsets Act 2014</i> ?	
significant residual impact on a pr	nvironmental offset must be provided for any prescribed activity assessed as having a rescribed environmental matter the Queensland Government's website can be accessed at <u>www.qld.gov.au</u> for further information on	
Koala conservation		
23.5) Does this development app	lication involve a material change of use, reconfiguring a lot or operational work within under Schedule 10, Part 10 of the Planning Regulation 2017?	
Yes No Note: See guidance materials at <u>www.eh</u>		
Water resources		
23.6) Does this development app	lication involve taking or interfering with artesian or sub artesian water, taking or rcourse, lake or spring, taking overland flow water or waterway barrier works?	
	completed and attached to this development application	
Note: DA templates are available from ww		
with water in a watercourse, la	e taking or interfering with artesian or sub artesian water, taking or interfering ke or spring, or taking overland flow water under the <i>Water Act 2000</i> ?	
Yes – I acknowledge that a relevant water authorisation under the Water Act 2000 may be required prior to		

commencing development Image: Contact the Department of Natural Resources and Mines at www.dnrm.qld.gov.au for further information.
Marine activities
23.8) Does this development application involve aquaculture, works within a declared fish habitat area or removal, disturbance or destruction of marine plants?
Yes – an associated resource allocation authority is attached to this development application, if required under the Fisheries Act 1994 No
Note: See guidance materials at <u>www.daf.qld.gov.au</u> for further information.
Quarry materials from a watercourse or lake
23.9) Does this development application involve the removal of quarry materials from a watercourse or lake under the <i>Water Act 2000?</i>
Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development No
Note: Contact the Department of Natural Resources and Mines at <u>www.dnrm.qld.gov.au</u> for further information.
Quarry materials from land under tidal waters
23.10) Does this development application involve the removal of quarry materials from land under tidal water under the <i>Coastal Protection and Management Act 1995?</i>
Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development No
Note: Contact the Department of Environment and Heritage Protection at <u>www.ehp.qld.gov.au</u> for further information.
Referable dams
23.11) Does this development application involve a referable dam required to be failure impact assessed under section 343 of the <i>Water Supply (Safety and Reliability) Act 2008</i> (the Water Supply Act)?
Yes – the 'Notice Accepting a Failure Impact Assessment' from the chief executive administering the Water Supply Act is attached to this development application
Note: See guidance materials at <u>www.dews.gld.gov.au</u> for further information.
Tidal work or development within a coastal management district
23.12) Does this development application involve tidal work or development in a coastal management district?
 Yes – the following is included with this development application: Evidence the proposal meets the code for assessable development that is prescribed tidal work (only required if application involves prescribed tidal work) A certificate of title No
Note: See guidance materials at <u>www.ehp.gld.gov.au</u> for further information.
Queensland and local heritage places
23.13) Does this development application propose development on or adjoining a place entered in the Queensland heritage register or on a place entered in a local government's Local Heritage Register?
 Yes – details of the heritage place are provided in the table below No
Note: See guidance materials at <u>www.ehp.gld.gov.au</u> for information requirements regarding development of Queensland heritage places. Name of the heritage place: Place ID:
Brothels
23.14) Does this development application involve a material change of use for a brothel ?
Yes – this development application demonstrates how the proposal meets the code for a development application for a brothel under Schedule 3 of the <i>Prostitution Regulation 2014</i>

Decision under section 62 of the Transport Infrastructure Act 1994

23.15) Does this development application involve new or changed access to a state-controlled road?

Yes - this application will be taken to be an application for a decision under section 62 of the Transport Infrastructure Act 1994 (subject to the conditions in section 75 of the Transport Infrastructure Act 1994 being satisfied) No

PART 8 – CHECKLIST AND APPLICANT DECLARATION

24) Development application checklist	
I have identified the assessment manager in question 15 and all relevant referral requirement(s) in question 17 <i>Note:</i> See the Planning Regulation 2017 for referral requirements	Yes
If building work is associated with the proposed development, Parts 4 to 6 of <i>Form 2 – Building work details</i> have been completed and attached to this development application	☐ Yes ☑ Not applicable
Supporting information addressing any applicable assessment benchmarks is with development application Note: This is a mandatory requirement and includes any relevant templates under question 23, a planning report and any technical reports required by the relevant categorising instruments (e.g. local government planning schemes, State Planning Policy, State Development Assessment Provisions). For further information, see <u>DA</u> <u>Forms Guide: Planning Report Template</u> .	Yes
Relevant plans of the development are attached to this development application Note : Relevant plans are required to be submitted for all aspects of this development application. For further information, see <u>DA Forms Guide</u> : <u>Relevant plans</u> .	Yes
The portable long service leave levy for QLeave has been paid, or will be paid before a development permit is issued (see 21))	Yes Not applicable

25) Applicant declaration

By making this development application, I declare that all information in this development application is true and correct

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 Electronic Transactions Act 2001

Note: It is unlawful to intentionally provide false or misleading information.

Privacy - Personal information collected in this form will be used by the assessment manager and/or chosen assessment manager, any relevant 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 Planning Act 2016, Planning Regulation 2017 and the DA Rules except where:

- such disclosure is in accordance with the provisions about public access to documents contained in the Planning . Act 2016 and the Planning Regulation 2017, and the access rules made under the Planning Act 2016 and Planning Regulation 2017; or
- required by other legislation (including the Right to Information Act 2009); or
- otherwise required by law.

This information may be stored in relevant databases. The information collected will be retained as required by the Public Records Act 2002.

Department of Infrastructure, Local Government and Planning

PART 9 - FOR OFFICE USE ONLY

	 1	
Date received:	Reference number(s):	

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		

QLeave notification and payment Note: For completion by assessment manager if applicable	
Description of the work	
QLeave project number	•
Amount paid (\$)	
Date paid	
Date receipted form sighted by assessment manager	
Name of officer who sighted the form	

The *Planning Act 2016*, the Planning Regulation 2017 and the DA Rules are administered by the Department of Infrastructure, Local Government and Planning. This form and all other required development application materials should be sent to the assessment manager.

GMA Certification Group Pty Ltd BUILDING SURVEYORS

Queensland's leaders in Building Certification Services



PORT DOUGLAS OFFICE

PHONE: (07) 4098 5150 (07) 4098 5180 FAX:

Lot 9 Unit 5 **Craiglie Business Park** Owen Street CRAIGLIE QLD 4877

POSTAL: P.O. Box 831, PORT DOUGLAS QLD 4877

E-Mail: adminpd@gmacert.com.au Web: www.gmacert.com.au

30 July 2018

The Chief Executive Officer **Douglas Shire Council** PO Box 723 MOSSMAN Q 4873

Attention: **Development Assessment**

Dear Sir/Madam,

Re: Application for Building Work Made Assessable Development under the Planning Scheme Lot 31 RP749728 [no. 21] Hibiscus Avenue, Rocky Point

GMA Certification Group has been engaged to assess an application for the construction of a garage on the abovementioned allotment. The subject site is located within an Environmental Management Zone.

Accordingly, an application for Building Work made Assessable Development under the Planning Scheme is enclosed for Council's consideration, which includes:

- 1. DA Form 1;
- 2. Assessment;
- 3. Geotechnical Report; &,
- 4. Plans

Should you require any further information or wish to discuss the application, please contact me on 4098 5150 or by email Jevans@gmacert.com.au

Kind Regards,

ef Erans

Jeff Evans **GMA** Certification Group

BUILDING APPROVALS & INSPECTIONS

Cloncurry (07) 4742 2022



Planning Report

Application for a Development Permit for a Building Work made assessable development under the Planning Scheme for the purpose of a garage on land described as

Lot 31 on RP749728 no. 21 Hibiscus Court, Rocky Point

July 2018

1.0 Application Details

Table 1. Summary of relevant details of the application.

Applicant	Elisabeth Lang & Juergen Koenig	
Registered Owner of Land	Elisabeth Lang & Juergen Koenig	
Contact	Jeff Evans	
	GMA Certification Group Pty Ltd	
	PO Box 831	
	PORT DOUGLAS Q 4877	
	Ph 07 4098 5150	
Real Property Description	Lot 31 on RP749728	
Location	21 Hibiscus Court, Rocky Point	
Tenure	Free Hold	
Total Area	2.275 Hectares	
Present Use	Dwelling	
Contaminated Lands or Environmental	Nil	
Management Registers		
Easements and Encumbrances	Nil	
Proposal	Development Permit for Building Work made assessable	
	under the Planning Scheme for a garage	
Local Government Authority	Douglas Shire Council	
Planning Scheme	Douglas Shire Planning Scheme 2018	
Planning Area	Environmental Management Zone	
Overlays	Bushfire	
	Hillslopes	
	Natural Areas	
	Potential Landslip	
	Landscape Values – High	

2.0 Proposed Development

The application seeks a Development Permit for a Building Work made assessable development under the Planning Scheme for the purpose of a garage on the subject allotment.

The attached plans illustrate:

- Site plan, indicating the location of the proposed garage; and,
- Architectural plans including floor plans and elevations.

3.0 Level of Assessment

The proposed development is 'assessable development' under the Douglas Shire Planning Scheme and as defined in the Planning Act 2016.

Under the provisions of the Planning Act and the Douglas Shire Planning Scheme, the following level of assessment is applicable, in accordance with the IDAS process:

• 'Code Assessable" – Building Work within the Environmental Management Zone

4.0 Planning Considerations

The Planning Act 2016, provides a legislative framework within Queensland for local and state authorities to assess development applications. Relevant matters within the Planning Act with respect to the application are considered below.

4.1 Douglas Shire Planning Scheme Code Assessment

Table 2 provides an assessment of the proposal with regard to the Douglas Shire Planning Scheme's associated Codes. The proposal generally complies with the Acceptable Solutions of the Scheme.

Table 2. Assessment Against the Douglas Shire Planning Scheme Codes

Environmental Management Zone Code

PERFORMANCE OUTCOMES	ACCEPTABLE OUTCOMES	COMMENTS
PO1 The height of all buildings and structures is in keeping with the natural characteristics of the site. Buildings and structures are low-rise and not unduly visible from external sites.	AO1.1 Buildings and structures are not more than 8.5 metres and two storeys in height. Note – Height is inclusive of the roof height. AO1.2 Buildings have a roof height not less than 2 metres.	The proposed development complies as it has a maximum height of approximately 8.3m.
PO2 Buildings and structures are set back to: (a) maintain the natural character of the area; (b) achieve separation from neighbouring buildings and from road frontages.	AO2 Buildings and structures are set back not less than: (a) 40 metres from the frontage of a state controlled road; (b) 25 metres from the frontage to Cape Tribulation Road; (c) 6 metres from any other road; (d) 6 metres from the side and rear boundaries of the site.	The proposed setback is 3200mm from the road boundary to the outermost projection. The reduced setback is necessary to reduce the overall height of the building due to the slope of the land. The proposal will be consistent with setback of the existing dwelling on the allotment and therefore will maintain the natural character of the area and achieve adequate separation from neighbouring buildings.
PO3 Development is consistent with the purpose of the Environmental management zone and protects the zone from the intrusion of inconsistent uses.	AO3 Inconsistent uses as identified in Table 6.2.4.3.b are not established in the Environmental management zone.	The use is not inconsistent.
PO4 The site coverage of all buildings and structures	PO4 No acceptable outcomes are prescribed.	NA

and associated services do not have an adverse effect on the environmental or scenic values of the site.		
PO5 Development is located, designed, operated and managed to respond to the characteristics, features and constraints of the site and its surrounds.	 AO5.1 Buildings, structures and associated access, infrastructure and private open space are sited: (a) within areas of the site which are already cleared; or (b) within areas of the site which are environmentally degraded; (c) to minimise additional vegetation clearing. AO5.2 Buildings and structures and associated infrastructure are not located on slopes greater than 1 in 6 (16.6%) or on a ridgeline 	The garage is to be constructed on an area of the land which has previously been landscape by the owners. Therefore, natural vegetation will not be affected. The garage is to be located on a slope which is consistent with the existing dwelling. A geotechnical report accompanies the application.
 PO6 Buildings and structures are responsive to steep slope through innovative construction techniques so as to: (a) maintain the geotechnical stability of slopes; (b) minimise cut and/or fill; (c) minimise the overall height of development 	AO6.1 Where development on land steeper than 1 in 6 (16.6%) cannot be avoided, development follows the natural contours of the land and single plane concrete slab on-ground methods of construction are not utilised. AO6.2 Access and vehicle manoeuvring and parking areas are constructed and maintained to: (a) minimise erosion; (b) minimise cut and fill; (c) follow the natural contours of the site.	The location and design of the proposed garage maintains the geotechnical stability of the site, minimises cut and fill and overall height of the building.
PO7 The exterior finishes of buildings and structures are consistent with the surrounding natural environment.	PO7 The exterior finishes and colours of buildings and structures are non-reflective and are moderately dark to darker shades of grey, green, blue and brown or the development is not visible external to the site.	Exterior colours of the garage will be consistent with the existing dwelling.

PO8 Development does not adversely affect the amenity of the zone and adjoining land uses in terms of traffic, noise, dust, odour, lighting or other physical or environmental impacts.	AO8 No acceptable outcomes are prescribed	NA
PO9 The density of development ensures that the environmental and scenic amenity values of the site and surrounding area are not adversely affected.	AO9 The maximum residential density is one dwelling house per lot.	Complies.
PO10 Lot reconfiguration results in no additional lots.	AO10 No acceptable outcomes are prescribed.	NA

Landscape Values Overlay Code

Development in a High landscape value area

PERFORMANCE OUTCOMES	ACCEPTABLE OUTCOMES	COMMENTS
PO1 Development within High landscape value areas identified on the Landscape values overlay maps contained in Schedule 2:	AO1.1 Buildings and structures are not more than 8.5 metres and two storeys in height.	Proposal complies.
 (a) avoids detrimental impacts on the landscape values of forested skylines, visible 	Note - Height is inclusive of roof height.	
 hillslopes, ridgelines, the coastal foreshore or the shoreline of other water bodies through the loss of vegetation; (b) is effectively screened from 	AO1.2 Buildings and structures are setback not less than 50 metres from ridgelines or peaks.	Proposal complies.
view from a road, lookout or other public place by an existing natural landform or native vegetation, or will be effectively screened by native vegetation within 3 years of construction;	AO1.3 Development is screened from view from roads or other public places by an existing natural landform or an existing native vegetation buffer.	Due to the site constraints, it is unavoidable to construct the garage in the proposed location.
(c) retains existing vegetation		

and incorporates new landscaping to enhance existing vegetation and visually soften built form elements;

- (d) incorporates development of a scale, design, height, position on site, construction materials and external finishes that are compatible with the landscape values of the locality;
- (e) avoids detrimental impacts on landscape values and excessive changes to the natural landform as a result of the location, position on site, scale, design, extent and alignment of earthworks, roads, driveways, retaining walls and other on-ground or inground infrastructure;
- (f) avoids detrimental impacts on landscape values and views as a result of the location, position on site, scale, design and alignment of telecommunications facilities, electricity towers, poles and lines and other tall infrastructure;
- (g) extractive industry operations are avoided.

Note - A visual impact assessment is undertaken in accordance with Planning scheme policy SC6.6 – Landscape values in order to satisfy performance outcomes.

AO1.4

Where development on land steeper than 1 in 6 (16.6%) cannot be avoided:

- (h) development follows the natural; contours of the site;
- buildings are split level or suspended floor construction, or a combination of the two;
- (j) lightweight materials are used to areas with suspended floors.

Note - Examples of suitable lightweight materials include timber or fibre cement boards or sheeting for walls and factory treated metal sheeting for walls and roofs.

AO1.5

The external features, walls and roofs of buildings and structures have a subdued and non-reflective palette.

Note - Examples of suitable colours include shades of green, olive green, blue green, grey green, green blue, indigo, brown, blue grey, and green yellow.

AO1.6

No clearing of native vegetation occurs on land with a slope greater than 1 in 6 (16.5%).

AO1.7

Where for accommodation activities or reconfiguration of a lot in a High landscape value area, development demonstrates that the height, design, scale, positioning on-

The design of the garage is consistent with that of the existing dwelling. Therefore, visual impact will be minimised.

See Environmental Management Zone Code assessment for proposed colours.

Only plants installed by the owners will be affected.

site, proposed construction materials and external finishes are compatible with the landscape values.	
Note - A visual impact assessment undertaken in accordance with Planning scheme policy SC6.6 – Landscape values may be required.	
AO1.8 Advertising devices do not occur.	NA

Bushfire Hazard Overlay Code

PERFORMANCE OUTCOMES	ACCEPTABLE OUTCOMES	COMMENTS
PO1 A vulnerable use is not established or materially intensified within a bushfire hazard area (bushfire prone area) unless there is an overriding need or other exceptional circumstances.	AO1 Vulnerable uses are not established or expanded.	The proposal is not a vulnerable use.
AO2 Emergency Services and uses providing community support services are not located in a bushfire hazard sub-category and have direct access to low hazard evacuation routes.	AO2 Emergency Services and uses providing community support services are not located in a bushfire hazard sub-category and have direct access to low hazard evacuation routes.	NA
PO3 Development involving hazardous materials manufactured or stored in bulk is not located in bushfire hazard sub-category.	AO3 The manufacture or storage of hazardous material in bulk does not occur within bushfire hazard sub-category.	NA
PO10 Development is located and	AO10 Buildings or building	

designed to ensure proposed	envelopes are separated from	
buildings or building envelopes	hazardous vegetation by a	The proposed development is
achieve a radiant heat flux level	distance that:	located adjacent to rainforest,
at any point on the building or	(m) achieves a radiant heat	therefore risk from fire is
envelope respectively, of:	flux level of at any point	extremely low.
(k) 10kW/m ² where involving a	on the building or	
vulnerable use; or	envelope respectively, of	
(I) 29kW/m ² otherwise.	10kW/m ² for a vulnerable	
	use or 29kW/m ²	
The radiant heat flux level is	otherwise; and	
achieved by separation unless	(n) is contained wholly within	
this is not practically achievable.	the development site.	
Note - The radiant heat levels	Note - Where a separation	
and separation distances are to	distance is proposed to be	
be established in accordance	achieved by utilising existing	
with method 2 set out in	cleared developed areas	
AS3959-2009.	external to the site, certainty	
	must be established (through	
	tenure or other means) that	
	the land will remain cleared of	
	hazardous vegetation.	
	For staged developments,	
	temporary separation	
	distances, perimeter roads or	
	fire trails may be absorbed as	
	part of subsequent stages.	
	Note - The achievement of a	
	cleared separation distance	
	may not be achievable where	
	other provisions within the	
	planning scheme require	
	protection of certain	
	ecological, slope, visual or	
	character features or	
	functions.	
PO11	A011	
A formed, all weather fire trail is	Development sites are	The nearby vegetation is not
provided between the	separated from hazardous	The nearby vegetation is not considered hazardous. Further,
hazardous vegetation and the	vegetation by a public road or fire trail which has:	the area between the development
site boundary or building envelope, and is readily	(o) a reserve or easement	and road boundary is clear of
accessible at all times for the		vegetation.
type of fire fighting vehicles	width of at least 20m; (p) a minimum trafficable	
servicing the area.	(cleared and formed)	
	width of 4m capable of	

- ·	
However, a fire trail will not be	accommodating a 15
required where it would not	tonne vehicle and which is
serve a practical fire	at least 6m clear of
management purpose.	vegetation;
	(q) no cut or fill
Note - Fire trails are unlikely to	embankments or retaining
be required where a	walls adjacent to the 4m
development site involves less	wide trafficable path;
than 2.5ha	
	vertical clearance;
	(s) turning areas for fire-
	fighting appliances in
	accordance with
	Queensland Fire and
	Emergency Services' Fire
	Hydrant and Vehicle
	Access Guidelines;
	(t) a maximum gradient of
	12.5%;
	(u) a cross fall of no greater
	than 10 degrees;
	(v) drainage and erosion
	control devices in
	accordance with the
	standards prescribed in a
	planning scheme policy;
	(w) vehicular access at each
	end which is connected to
	the public road network
	which is connected to the
	public road network at
	intervals of no more than
	500m;
	(x) designated fire trail
	signage;
	(y) if used, has gates locked
	with a system authorised
	by Queensland Fire and
	Emergency Services; and
	(z) if a fire trail, has an access
	easement that is granted
	in favour of Council and
	Queensland Fire and
	Emergency Services.

PO12	A012	
All premises are provided with vehicular access that enables safe evacuation for occupants and easy access by fire fighting appliances.	 Private driveways: (aa) do not exceed a length of 60m from the street to the building; (bb) do not exceed a gradient of 12.5%; (cc) have a minimum width of 3.5m; (dd) have a minimum of 4.8m vertical clearance; (ee) accommodate turning areas for fire-fighting appliances in accordance with Queensland Fire and Emergency Services' Fire Hydrant and Vehicle Access Guidelines; and (ff) serve no more than 3 dwellings or buildings. 	Proposal complies.
PO13 Development outside reticulated water supply areas includes a dedicated static supply that is available solely for fire fighting purposes and can be accessed by fire fighting appliances.	A013 A water tank is provided within 10m of each building (other than a class 10 building) which: (gg) is either below ground level or of non-flammable construction; (hh) has a take off connection at a level that allows the following dedicated, static water supply to be left available for access by fire fighters: (i) 10,000l for residential buildings Note – A minimum of 7,500l is required in a tank and the extra 2,500l may be in the form of accessible swimming pools or dams. (ii) 45,000l for industrial buildings; and (iii) 20,000l for other buildings; (ii) includes shielding of tanks and pumps in accordance with the relevant	It is proposed to provide sufficient water storage to comply with this Acceptable Outcome. However, water supply is to be provided via above ground plastic tank/s as with 99% of the of properties not on a reticulated water supply.

	standards; (jj) includes a hardstand area allowing medium rigid vehicle (15 tonne fire appliance) access within 6m of the tank; (kk) is provided with fire brigade tank fittings – 50mm ball valve and male camlock coupling and, if underground, an access hole of 200mm (minimum) to accommodate suction lines; and (II) is clearly identified by directional signage provided at the street frontage.	Town water is available, therefore this requirement is not applicable.
PO14	A014	Noted.
Landscaping does not increase	Landscaping uses species that	
the potential bushfire risk.	are less likely to exacerbate a	
	bushfire event, and does not	
	increase fuel loads within	
	separation areas.	
PO15	AO15 Bushfire risk mitigation	Noted.
The risk of bushfire and the	treatments do not have a	
need to mitigate that risk is	significant impact on the	
balanced against other factors	natural environment or	
(such as but not limited to,	landscape character of the	
biodiversity or scenic amenity).	locality where this has value.	

Natural Areas Overlay Code

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
PO1 Development protects matters of environmental significance.	AO1.1 Development avoids significant impact on the relevant environmental values. or	The proposed location of the garage avoids any significant environmental areas by construction within an area where ornamental shrubs have been planted.
	AO1.2 A report is prepared by an appropriately qualified person demonstrating to the satisfaction of the assessment manager, that the	

	dovelopment site dees not	
	development site does not	
	contain any matters of state	
	and local environmental	
	significance.	
	Or	
	AO1.3 Development is	
	located, designed and	
	operated to mitigate	
	significant impacts on	
	environmental values. For	
	example, a report certified by	
	an appropriately qualified	
	person demonstrating to the	
	satisfaction of the assessment	
	manager, how the proposed	
	development mitigates	
	impacts, including on water	
	quality, hydrology and	
	biological processes.	
PO2 Development is located,	AO2 The design and layout of	The proposed location of the
designed and constructed to	development minimises	garage avoids any significant
avoid significant impacts on	adverse impacts on	environmental areas by
matters of environmental	ecologically important areas	construction within an area where
significance.	by: (a) focusing development	ornamental shrubs have been
	in cleared areas to protect	planted.
	existing habitat; (b) utilising	
	design to consolidate density	
	and preserve existing habitat	
	and native vegetation; (c)	
	aligning new property	
	boundaries to maintain	
	ecologically important areas;	
	(d) ensuring that alterations to	
	natural landforms, hydrology	
	and drainage patterns on the	
	development site do not	
	negatively affect ecologically	
	important areas; (e) ensuring	
	that significant fauna habitats	
	are protected in their	
	environmental context; and (f)	
	incorporating measures that	
	allow for the safe movement	
	of fauna through the site.	
	or rauna anough the site.	

PO3 An adequate buffer to areas of state environmental significance is provided and maintained.	AO3.1 A buffer for an area of state environmental significance (Wetland protection area) has a minimum width of: (a) 100 metres where the area is located outside Urban areas; or (b) 50 metres where the area is located within a Urban areas.	NA
PO4 Wetland and wetland buffer areas are maintained, protected and restored. Note – Wetland buffer areas are identified in AO3.1.	or AO3.2 A buffer for an area of state environmental significance is applied and maintained, the width of which is supported by an evaluation of environmental values, including the function and threats to matters of environmental significance. AO4.1 Native vegetation within wetlands and wetland buffer areas is retained. AO4.2 Degraded sections of wetlands and wetland buffer areas are revegetated with endemic native plants in patterns and densities which emulate the relevant regional	NA
PO5 Development avoids the introduction of nonnative pest species (plant or animal), that pose a risk to ecological integrity.	ecosystem. AO5.1 Development avoids the introduction of non-native pest species. AO5.2 The threat of existing pest species is controlled by adopting pest management practices for long-term ecological integrity.	NA
PO6 Development protects and enhances ecological connectivity and/or habitat extent.	AO6.1 Development retains native vegetation in areas large enough to maintain ecological values, functions and processes. and	The proposed location of the garage avoids any significant environmental areas by construction within an area where ornamental shrubs have been planted.

	AO6.2 Development within an ecological corridor rehabilitates native vegetation. and AO6.3 Development within a conservation corridor mitigates adverse impacts on	
PO7 Development minimises disturbance to matters of state environmental significance (including existing ecological corridors).	native fauna, feeding, nesting, breeding and roosting sites and native fauna movements. AO7.1 Development avoids shading of vegetation by setting back buildings by a distance equivalent to the height of the native	NA
PO8 Development is set back	vegetation. and AO7.2 Development does not encroach within 10 metres of existing riparian vegetation and watercourses. AO8.1 Where a waterway is	NA
from waterways to protect and maintain: (a) water quality; (b) hydrological functions; (c) ecological processes; (d) biodiversity values; (e) riparian and in- stream habitat values and connectivity; (f) in-stream migration.	AO8.1 Where a waterway is contained within an easement or a reserve required for that purpose, development does not occur within the easement or reserve; or AO8.2 Development does not occur on the part of the site affected by the waterway corridor.	
PO9 Development is set back from waterways to protect and maintain: (a) water quality; (b) hydrological functions; (c) ecological processes; (d) biodiversity values; (e) riparian and in- stream habitat values and connectivity; (f) in-stream migration	AO9 Development does not occur on that part of the site affected by a waterway corridor.	NA

Potential Landslip Overlay Code

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
PO1 The siting and design of	AO1.1 Development is located	Geotechnical assessment of the
development does not	on that part of the site not	proposed development is
involve complex engineering	affected by the Potential	attached.
solutions and does not	landslide hazard overlay.	
create or increase the		
potential landslide hazard	Or	
risk to the site or adjoining		
premises through: (a)	AO1.2 Development is on an	
building design; (b) increased	existing stable, benched site	
slope; (c) removal of	and requires no further	
vegetation; (d) stability of	earthworks	
soil; (e) earthworks; (f)		
alteration of existing ground	or	
water or surface water		
paths; (g) waste disposal	AO1.3 A competent person	
areas.	certifies that: (a) the stability	
	of the site, including	
	associated buildings and	
	infrastructure, will be	
	maintained during the course	
	of the development and will	
	remain stable for the life of	
	the development; (b)	
	development of the site will	
	not increase the risk of	
	landslide hazard activity on	
	other land, including land	
	above the site; (c) the site is	
	not subject to the risk of	
	landslide activity on other	
	land; (d) any measures	
	identified in a site-specific	
	geotechnical report for	
	stabilising the site or	
	development have been fully	
	implemented; (e)	
	development does not	
	concentrate existing ground	

	water and surface water paths; (f) development does not incorporate on-site waste water disposal.	
PO2 The siting and design of necessary retaining structures does not cause an adverse visual impact on landscape character or scenic amenity quality of the area.	AO2 Excavation or fill: (a) is not more than 1.2 metres in height for each batter or retaining wall; (b) is setback a minimum of 2 metres from property boundaries; (c) is stepped with a minimum 2 metre wide berm to incorporate landscaping in accordance with Planning scheme policy SC6.7 – Landscaping; (d) does not exceed a maximum of 3 batters and 3 berms (i.e. Not greater than 3.6 metres in height) on any one lot.	No excavation or filling proposed.

Hillslopes Overlay Code

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
PO2 The landscape character and visual amenity quality of hillslopes areas is retained to protect the scenic backdrop to the region.	AO2.1 Development does not occur on land with a gradient in excess of 1 in 6 (16.6%) or AO2.2 Where development on land steeper than 1 in 6 (16.6%) cannot be avoided, development follows the natural contours of the site.	Due to the slope of the land, the proposed construction method is unavoidable so as to minimise disturbance of the site.
	AO2.3 Access ways and driveways are: (a) constructed with surface materials that blend with the surrounding environment; (b) landscaped with dense planting to minimise the visual impact of the construction; (c) provided with erosion control measures immediately after construction.	Driveway will be consistent with existing driveway.

I		
	AO2.4 The clearing or disturbance of vegetation is limited to clearing and disturbance that: (a) is necessary for the construction of driveways; (b) is necessary to contain the proposed development; (c) minimises canopy clearing or disturbance; (d) minimises riparian clearing or disturbance.	The design of the garage results in minimal disturbance of vegetation.
	AO2.5 On land with slopes greater than 1 in 6 (16.6%) or greater, alternative construction methods to concrete slab on ground are utilised (i.e. split level or post and beam constructed buildings that minimise modification to the natural terrain of the land).	The construction method proposed is the same as the existing dwelling and will result no excavation or filling.
	AO2.6 Development does not alter the sky line.	N/A
	AO2.7 Buildings and structures: (a) are finished predominantly in the following exterior colours or surfaces: (i) moderately dark to darker shades of olive green, brown, green, blue, or charcoal; or (ii) moderately dark to darker wood stains that blend with the colour and hues of the surrounding vegetation and landscape; (b) are not finished in the following exterior colours or surfaces: (i) pastel or terracotta colours, reds, yellows, shades of white or beige, or other bright colours that do not blend with the surrounding vegetation and landscape; (ii) reflective surfaces.	Garage to finished in the same colours as the existing dwelling.

	AO2.8 Exterior colour schemes limit the use of white or other light colours to exterior trim and highlighting of architectural features	
	AO2.9 Areas between the first floor (including outdoor deck areas) and ground level are screened from view.	The land slopes away from the road. Therefore, the underfloor area is only visible from the adjacent bushland.
	AO2.10 Recreational or ornamental features (including tennis courts, ponds or swimming pools) do not occur on land: (a) with a gradient of 1 in 6 (16.6%) or more; (b) are designed to be sited and respond to the natural constraints of the land and require minimal earthworks.	NA
PO3 Excavation or filling does not have an adverse impact on the amenity, safety, stability or function of the site or adjoining premises through: (a) loss of privacy; (b) loss of access to sunlight; (c) intrusion of visual or overbearing impacts; (d) complex engineering solutions.	AO3 Excavation or fill: (a) is not more than 1.2 metres in height for each batter or retaining wall; (b) is setback a minimum of 2 metres from property boundaries; (c) is stepped with a minimum 2 metre wide berm to incorporate landscaping in accordance with Planning scheme policy SC6.7 – Landscaping; (d) does not exceed a maximum of 3 batters and 3 berms (i.e. not greater than 3.6 metres in height) on any one lot.	No excavation or filling proposed.

Infrastructure Works Code – Applicable parts only.

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
PO3	AO3.1	
An adequate, safe and reliable	The premises is connected to	Garage only, therefore not
supply of potable, fire fighting	Council's reticulated water	applicable. However, town water
and general use water is	supply system in accordance	is connected to the site.

provided	with the Decign Cuidelines act	
provided.	with the Design Guidelines set	
	out in Section D6 of the	
	Planning scheme policy SC5 –	
	FNQROC Regional	
	Development Manual;	
	or	
	A03.2	
	Where a reticulated water	
	supply system is not available	
	to the premises, on site water	
	storage tank/s with a	
	minimum capacity of 10,000	
	litres of stored water, with a	
	minimum 7,500 litre tank,	
	with the balance from other	
	sources (e.g. accessible	
	swimming pool, dam etc.) and	
	access to the tank/s for fire	
	trucks is provided for each	
	new house or other	
	development. Tank/s are to be	
	fitted with a 50mm ball valve	
	with a camlock fitting and	
	installed and connected prior	
	to occupation of the house	
	and sited to be visually	
	unobtrusive.	
PO4	AO4.1	
Provision is made for the	The site is connected to	Not applicable as development is
treatment and disposal of	Council's sewerage system	for a garage.
effluent to ensure that there are	and the extension of or	
no adverse impacts on water	connection to the sewerage	
quality and no adverse ecological	system is designed and	
impacts as a result of the system	constructed in accordance	
or as a result of increasing the	with the Design Guidelines set	
cumulative effect of systems in	out in Section D7 of the	
the locality.	Planning scheme policy SC5 –	
	FNQROC Regional	
	Development Manual;	
	or	
	AO4.2	
	Where not in a sewerage	
	scheme area, the proposed	
	disposal system meets the	
	a sposa system meets the	

	requirements of Section 33 of	
	the Environmental Protection	
	<i>Policy (Water) 1997</i> and the proposed on site effluent	
	disposal system is designed in	
	accordance with the <i>Plumbing</i>	
	and Drainage Act (2002).	
PO5	A05.1	
Development is planned,	A connection is provided from	Garage roof waste water will be
designed, constructed and	the premises to Council's	connected to the street drainage
operated to avoid or minimise	drainage system;	system.
adverse impacts on stormwater	or	
quality in natural and developed catchments by:	or	
(mm) achieving stormwater	A05.2	
quality objectives;	An underground drainage	
(nn) protecting water	system is constructed to	
environmental values;	convey stormwater from the	
(oo) maintaining waterway	premises to Council's drainage	
hydrology.	system in accordance with the	
	Design Guidelines set out in Sections D4 and D5 of the	
	Planning scheme policy SC5 –	
	FNQROC Regional	
	Development Manual.	
	AO5.3	
	A stormwater quality	Stormwater will be from roof and
	management plan is prepared, and provides for achievable	driveway only.
	stormwater quality treatment	
	measures meeting design	
	objectives listed in Error!	
	Reference source not found.	
	and Error! Reference source	
	not found., reflecting land use	
	constraints, such as:	
	(pp) erosive, dispersive	
	and/or saline soil types; (qq) landscape features	
	(including landform);	
	(rr) acid sulfate soil and	
	management of nutrients	
	of concern;	
	(ss) rainfall erosivity.	
		Noted.
	A05.4	
	Erosion and sediment control	

practices are designed,	
installed, constructed,	
monitored, maintained, and	
carried out in accordance with	
an erosion and sediment	
control plan.	
AO5.5	Stormwater flow control will be
Development incorporates	achieved by discharge of roof
stormwater flow control	waste water to the street drainage
measures to achieve the	system.
design objectives set out in	
Error! Reference source not	
found. and Error! Reference	
source not found., including	
management of frequent	
flows, peak flows, and	
construction phase	
hydrological impacts.	
Note – Planning scheme policy	
SC5 – FNQROC Regional	
Development Manual provides	
guidance on soil and water	
control measures to meet the	
requirements of the	
Environmental Protection Act	
1994.	
Noto - During construction	
Note – During construction	
phases of development,	
contractors and builders are to	
have consideration in their	
work methods and site	
preparation for their	
environmental duty to protect	
stormwater quality.	

Access, Parking and Servicing Code

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
PO1 Sufficient on-site car	AO1.1 The minimum number	There will be adequate area on-
parking is provided to cater	of on-site vehicle parking	site for vehicle parking in
for the amount and type of	spaces is not less than the	accordance with Table 9.4.1.3.b
vehicle traffic expected to be	number prescribed in Table	
generated by the use or uses	9.4.1.3.b for that particular	

of the site, having particular	use or uses.	
regard to:		
 (a) the desired character of the area; (b) the nature of the particular use and its specific characteristics and scale; (c) the number of employees and the likely number of visitors to the site; (d) the level of local accessibility; (e) the nature and frequency of any public transport serving the area; (f) whether or not the use involves the retention of an existing building and the previous requirements for car parking for the building (g) whether or not the use involves a heritage building or place of local significance; (h) whether or not the proposed use involves the retention of significant vegetation. 	 AO1.2 Car parking spaces are freely available for the parking of vehicles at all times and are not used for external storage purposes, the display of products or rented/subleased. AO1.3 Parking for motorcycles is substituted for ordinary vehicle parking to a maximum level of 2% of total ordinary vehicle parking. AO1.4 For parking areas exceeding 50 spaces parking, is provided for recreational vehicles as a substitute for ordinary vehicle parking to a maximum of 5% of total ordinary vehicle parking rate. 	NA
PO2 Vehicle parking areas are designed and constructed in accordance with relevant standards.	AO2 Vehicle parking areas are designed and constructed in accordance with Australian Standard: (a) AS2890.1; (b) AS2890.3; (c) AS2890.6	NA
 PO3 Access points are designed and constructed: (a) to operate safely and efficiently; (b) to accommodate the anticipated type and volume of vehicles (c) to provide for shared vehicle (including cyclists) and pedestrian use, where appropriate; (d) so that they do not 	 AO3.1 Access is limited to one access cross over per site and is an access point located, designed and constructed in accordance with: (a) Australian Standard AS2890.1; (b) Planning scheme policy SC6.5 – FNQROC Regional Development Manual - access crossovers. 	One access point is proposed.

impada traffic or padastrian		
impede traffic or pedestrian movement on the adjacent road area;	AO3.2 Access, including driveways or access	Noted.
(e) so that they do not adversely impact upon	crossovers:	
existing intersections or future road or intersection	(a) are not placed over an existing:	
 improvements; (f) so that they do not adversely impact current and future on-street parking arrangements; (g) so that they do not adversely impact on existing services within the road reserve adjacent to the site; 	 (i) telecommunications pit; (ii) stormwater kerb inlet; (iii) sewer utility hole; (iv) water valve or hydrant. a) bare designed to accommodate any adjacent footpath; 	
(h) so that they do not involve ramping, cutting of the adjoining road reserve or any built structures (other than what may be necessary	(c) adhere to minimum sight distance requirements in accordance with AS2980.1.	
to cross over a stormwater channel).	AO3.3 Driveways are: (a) designed to follow as closely as possible to the existing contours, but are no steeper than the gradients outlined in Planning scheme policy SC6.5 –	The driveway access to the garage will be level.
	FNQROC Regional Development Manual;	
	(b) constructed such that where there is a grade shift to 1 in 4 (25%), there is an area with a grade of no more than 1 in in 6 (16.6%) prior to this area, for a distance of at least 5 metres;	
	(c) on gradients greater than 1 in 6 (16.6%) driveways are constructed to ensure the cross-fall of the driveway is one way and directed into the hill, for vehicle safety and drainage purposes;	

	 (d) constructed such that the transitional change in grade from the road to the lot is fully contained within the lot and not within the road reserve; (e) designed to include all necessary associated drainage that intercepts and directs storm water runoff to the storm water drainage system AO3.4 Surface construction materials are consistent with the current or intended future streetscape or character of the area and contrast with the surface construction materials of any adjacent footpath. 	Driveway will be concrete.
PO4 Sufficient on-site wheel chair accessible car parking spaces are provided and are identified and reserved for such purposes.	AO4 The number of on-site wheel chair accessible car parking spaces complies with the rates specified in AS2890 Parking Facilities.	NA
PO5 Access for people with disabilities is provided to the building from the parking area and from the street.	AO5 Access for people with disabilities is provided in accordance with the relevant Australian Standard.	NA
PO6 Sufficient on-site bicycle parking is provided to cater for the anticipated demand generated by the development.	AO6 The number of on-site bicycle parking spaces complies with the rates specified in Table 9.4.1.3.b.	NA
 PO7 Development provides secure and convenient bicycle parking which: (a) for visitors is obvious and located close to the building's main entrance; 	A07.1 Development provides bicycle parking spaces for employees which are co- located with end-of-trip facilities (shower cubicles and lockers); A07.2 Development ensures	NA
(b) for employees is	that the location of visitor	

conveniently located to provide secure and convenient access between the bicycle storage area, end-of- trip facilities and the main area of the building; (c) is easily and safely accessible from outside the site.	bicycle parking is discernible either by direct view or using signs from the street. A07.3 Development provides visitor bicycle parking which does not impede pedestrian movement.	NA
PO8 Development provides walking and cycle routes through the site which:	AO8 Development provides walking and cycle routes which are constructed on the	NA
which:	carriageway or through the site to:	
(a) link to the external network and pedestrian and cyclist destinations	 (a) create a walking or cycle route along the full 	
such as schools, shopping centres, open	frontage of the site;	
space, public transport stations, shops and local	(b) connect to public transport and existing cycle and walking	
activity centres along the safest, most direct and convenient routes;	routes at the frontage or boundary of the site.	
(b) encourage walking and cycling;		
(c) ensure pedestrian and cyclist safety.		
PO9 Access, internal	AO9.1 Access driveways,	NA
circulation and on-site	vehicle manoeuvring and	
parking for service	onsite parking for service	
vehicles are designed	vehicles are designed and	
and constructed:	constructed in accordance with AS2890.1 andAS2890.2	
(a) in accordance with		
relevant standards;	AO9.2 Service and loading areas are contained fully	
(b) so that they do not interfere with the	within the site.	
amenity of the	AO9.3 The movement of	
surrounding area;	service vehicles and service operations are designed so	
(c) so that they allow for the	they:	
safe and convenient movement of	(a) do not impede access to	

pedestrians, cyclists and other vehicles.	parking spaces;	
	(b) do not impede vehicle or pedestrian traffic movement.	
PO10 Sufficient queuing and set down areas are provided to accommodate the demand generated by the development.	AO10.1 Development provides adequate area on-site for vehicle queuing to accommodate the demand generated by the development where drive through facilities or drop- off/pick-up services are proposed as part of the use, including, but not limited to, the following land uses: (a) car wash; (b) child care centre; (c) educational establishment where for a school; (d) food and drink outlet, where including a drive- through facility; (e) hardware and trade supplies, where including a drive-through facility; (f) hotel, where including a drive-through facility; (g) service station.	NA
	AO10.2 Queuing and set-down areas are designed and constructed in accordance with AS2890.1.	

Filling and Excavation Code

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
PO1 All filling and excavation work does not create a detrimental impact on the slope stability, erosion potential or visual amenity of the site or the	AO1.1 The height of cut and/or fill, whether retained or not, does not exceed 2 metres in height. and Cuts in excess of those stated in A1.1 above are separated by	No filling or excavation is proposed on-site other than for footings.

	1	· · · · · · · · · · · · · · · · · · ·
surrounding area.	benches/ terraces with a minimum width of 1.2 metres that incorporate drainage provisions and screen planting.	
	AO1.2 Cuts are supported by batters, retaining or rock walls and associated benches/terraces are capable of supporting mature vegetation.	No cuts requiring retaining will be made
	AO1.3 Cuts are screened from view by the siting of the building/structure, wherever possible	NA
	A01.4 Topsoil from the site is retained from cuttings and reused on benches/terraces.	NA
	AO1.5 No crest of any cut or toe of any fill, or any part of any retaining wall or structure is closer than 600mm to any boundary of the property, unless the prior written approval of the adjoining landowner has been obtained.	NA
	AO1.6 Non-retained cut and/or fill on slopes are stabilised and protected against scour and erosion by suitable measures, such as grassing, landscaping or other protective/aesthetic measures.	NA
PO2 Filling and excavation are carried out in such a manner that the visual/scenic amenity of the area and the privacy and stability of	AO2.1 The extent of filling and excavation does not exceed 40% of the site area, or 500m2 whichever is the lesser, except that	None proposed.
adjoining properties is not compromised.	AO2.1 does not apply to reconfiguration of 5 lots or	NA

	more.	
	AO2.2 Filling and excavation does not occur within 2 metres of the site boundary.	NA
PO3 Filling and excavation does not result in a change to the run off characteristics of a site which then have a	AO3.1 Filling and excavation does not result in the ponding of water on a site or adjacent land or road reserves.	None proposed.
detrimental impact on the site or nearby land or adjacent road reserves.	AO3.2 Filling and excavation does not result in an increase in the flow of water across a site or any other land or road reserves.	
	AO3.3 Filling and excavation does not result in an increase in the volume of water or concentration of water in a watercourse and overland flow paths.	
	AO3.4 Filling and excavation complies with the specifications set out in Planning Scheme Policy No SC5 – FNQROC Development Manual.	
PO4 Filling and excavation does not result in a reduction of the water quality of receiving waters	AO4 Water quality is maintained to comply with the specifications set out in Planning Scheme Policy No SC5 – FNQROC Development Manual.	Water quality to be maintained as per the FNQROC Development Manual
PO5 Excavation and filling does not impact on Public Utilities.	AO5 Excavation and filling is clear of the zone of influence of public utilities.	Noted.

Vegetation Management Code

PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS	COMMENTS
PO1 Vegetation is protected to ensure that:	AO1.1 Vegetation damage is undertaken by a statutory authority on land other than freehold land that the	Building to be constructed on an area of the property that has been landscaped by the owners.
 (a) the character and amenity of the local area is maintained; 	statutory authority has control over; or	Therefore, native vegetation will not be affected.
 (b) vegetation damage does not result in fragmentation of habitats; 	AO1.2 Vegetation damage is undertaken by or on behalf of the local government on land controlled, owned or operated by the local government; or	
 (c) vegetation damage is undertaken in a sustainable manner; 	AO1.3 Vegetation damage, other than referenced in AO1.1 or AO1.2 is the damage	
 (d) the Shire's biodiversity and ecological values are maintained and protected; 	of: (a) vegetation declared as a pest pursuant to the Land Protection (Pest and Stock	
 (e) vegetation of historical, cultural and / or visual significance is retained; 	Route Management) Act 2002; or	
(f) vegetation is retained for erosion prevention and slope stabilisation.	 (b) vegetation identified within the local government's register of declared plants pursuant to the local government's local laws; or 	
	(c) vegetation is located within a Rural zone and the trunk is located within ten metres of an existing building; or	
	(d) vegetation is located within the Conservation zone or Environmental management zone and the trunk is located within three metres of an existing or approved structure, not	

1		
	including a boundary fence;.	
	or	
	AO1.4 Vegetation damage	
	that is reasonably necessary	
	for carrying out work that is:	
	(a) authorised or required	
	under legislation or a local	
	law;	
	(b) spacified in a patica sarved	
	(b)specified in a notice served	
	by the local government or	
	another regulatory authority;	
	or	
	AO1.5 Vegetation damage for	
	development where the	
	damage is on land the subject	
	of a valid development	
	approval and is necessary to	
	give effect to the development	
	approval; or	
	AO1.6 Vegetation damage is in	
	accordance with an approved	
	Property Map of Assessable	
	Vegetation issued under the	
	-	
	Vegetation Management Act	
	1999; or	
	AO1.7 Vegetation damage is	
	essential to the maintenance	
	of an existing fire break; or	
	AO1.8 Vegetation damage is	
	essential to prevent	
	interference to overhead	
	service cabling; or	
	AO1.9 Vegetation damage is	
	for an approved Forest	
	practice, where the lot is	
	subject to a scheme approved	
	under the Vegetation	
	Management Act 1999; or	

	 AO1.10 Vegetation damage is undertaken in accordance with section 584 of the Sustainable Planning Act 2009. AO1.11 Vegetation damage where it is necessary to remove one tree in order to protect an adjacent more significant tree (where they are growing close to one another). AO1.12 Private property owners may only remove dead, dying, structurally unsound vegetation following receipt of written advice from, at minimum, a fully qualified Certificate V Arborist. A copy of the written advice is to be submitted to Council for its records, a minimum of seven business days prior to the vegetation damage work commencing. 	
PO2 Vegetation damaged on a lot does not result in a nuisance	AO2.1 Damaged vegetation is removed and disposed of at an approved site; or AO2.2 Damaged vegetation is	Complies
	mulched or chipped if used onsite.	
PO3 Vegetation damage identified on the Places of significance overlay lot does not result in a negative impact on the site's heritage values	AO3 No acceptable outcomes are prescribed.	NA

Conclusion

The development application seeks a Development Permit for Building Work made assessable under the Planning Scheme for the purpose of a garage on land describes as Lot 31 RP749728 Hibiscus Avenue, Rocky Point.

The proposed development is considered consistent with the relevant Planning Scheme Codes and the surrounding locality.

In summary the report concludes:

- The proposal complies with the requirements for making a Development Application under the Planning Act 2016; &
- The proposal is consistent with the existing and future use of the property.



REF: #15297 24 July 2018

REPORT OF GEOTECHNICAL ASSESSMENT TO LOT 31, #21 HIBISCUS COURT, ROCKY POINT QLD 4874 RP749728

1.0 Introduction

SOILTEST.BIZ was engaged to carry out a geotechnical assessment for a proposed residential development for Juergen Koenig & Liz Lang at Lot 31 Hibiscus Court. The field work and site classification was carried out by EARTHTEST - Job # SI 222-18 – 16th July 2018.

A site visit was also made by Soiltest.biz on 19th June 2018. During the site visit by Soiltest.biz, observations of slope angles, existing vegetation, evidence of soil creep, soil seepage and evidence of previous slips were made.

2.0 Development

An existing 3 storey residence has previously been constructed as shown on the attached site plan to the South East of the Lot. Further development proposed for the block is the construction of a single storey, garage placed on posts above the slope to be level with the existing street.

3.0 Requests of the assessment

The aims of the assessment were as follows:

- Assess the stability of the slopes where the garage is to be constructed,
- Comment on the stability of slopes associated with the proposed development.

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4.0 Field inspection

4.1 Field Work

Fieldwork was carried out by EARTHTEST - Job # SI 222-18 - 16th July 2018.

5.0 Investigation Results

5.1 Existing Surface

The proposed development site slopes from the South East to the North West. The proposed building area for the garage has not been surveyed. An on site measurement of the slop was taken and is measured to be approximately 35 degrees to the horizontal.

At the time of investigation on 19th June 2018 the slope noted above appeared to be stable with no obvious signs of instability.

5.2 Existing subsurface conditions

The surface of the allotment at the time of inspection was mostly open where the garage is to be placed with some gardens constructed into the bank down from the road. The remainder of the block, apart from immediately around the existing residence was fully treed with rainforest.

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6.0 Analysis

6.1 General stability conditions of the residence site

Stability analyses were carried out for the profile.

Material parameters adopted in the stability analyses are shown below:

Material	C(kPa)	PHI(degree)	DENSITY(kN/m3)
Hole 1 0 - 1400 Brown Clayov Silt	F	27	10
Brown Clayey Silt	5	27	19

Analyses were performed for dry and wet conditions. A pore water pressure coefficient - Ru=0.2 was used to simulate seepage/water infiltration for wet conditions within the soils.

The F of S results of the stability analyses are as below

LOCATION	Max Cut Slope	DRY	WET
Slope at proposed Residence location (Location shown on site plan)	35 degrees	1.57	1.54

The results of the stability analyses indicate that the profile corresponding current conditions has adequate stability conditions, with **Very Low Risk** implications assessment based on MacGregor &Taylor and AGS assessment guidelines.

,

Increases in slope angle due to earthworks operations for the construction of the garage should be reassessed as required.

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7.0 Recommendations 7.2.1 Earthworks - Future 7.2.1.1 Cut slopes

All cut batters formed in natural materials should be inspected during excavation by a geotechnical engineer to confirm that conditions exposed in the face are consistent with the values on which these guidelines are based.

In all cut/fill earthworks in the Douglas Shire and Cairns area, some instability is to be expected on batter faces. This instability is expected to be in the form of relatively minor slips or fretting and slumps on locally steep slopes or unsupported batters, which may occur during or after heavy rainfall. Some fretting may be anticipated in the batters. Given the Very Low Risk to residential development, this instability is generally accepted in the Douglas Shire & Cairns area and must be accepted by all parties involved in the proposed development.

To reduce potential problems caused by fretting instability it is advisable that a cut off concrete drain and berm is provided at the top of the slope at the proposed new garage entrance, lined at the base with a concrete base say 600 wide x 100 thick to prevent erosion. Also it is important to protect and replant cut and fill slopes and provide appropriate surface covering should be provided until replanting is established.

Any proposed retaining walls to form part of the proposed garage should be shown on plans by Davies Design & Drafting Service and should also be certified by a qualified Structural Engineer.

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7.2.1.2 Filled areas and fill slopes

Any filled area must be keyed into the existing slopes. Any filling should be placed by the use of a 10–15 tonne sheep foot or pad foot vibrating roller in layers not exceeding 400mm loose; 300 mm compacted and to 98% standard density by test.

Also it is important to protect and replant fill slopes as indicated above to reduce erosion and fretting to the fill slope.

7.2.2 Drainage

Drainage measures that should be implemented include:

- All storm water should be collected and discharged from the site via pipes or lined drains to the North West Gully.
- Drainage of the residence platform once cut should be away from the proposed structure toward the North East down the slope.

8.0 Conclusions

Based on the results of our geotechnical assessment of the proposed development, the conclusions are summarised as follows:

- Development of a proposed garage is considered to be feasible from a geotechnical point of view provided appropriate engineering controls are implemented in construction.
- Cut and fill slopes and replanting should be achieved ASAP after excavation to reduce erosion of the surface. Appropriate surface covering should be provided until replanting is established
- The risk to property associated with instability to the upper & lower banks is assessed as "VERY LOW" at this time and should be reassessed if extra earthworks are carried out at a later date.



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9.0 Report Limitations

It should be noted that there may be variations to the slope material conditions in different sections of the slopes assessed in the investigation.

Any assessments made in this report are based on the conditions indicated from the investigation described by EARTHTEST - Job # SI 222-18 – 16^{th} July 2018. No warranty is either expressed or implied, that the actual conditions will conform exactly to the assessments contained in this report.

Where data supplied by the client or other external sources, including previous site investigation data, have been used, it has been assumed that the information is correct unless noted otherwise. No responsibility is accepted by Soil Test.biz for incomplete or inaccurate data supplied by others.

No responsibility by Soil Test.biz whatsoever for the contents of this report will be accepted to any person other than the Client. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, is the responsibility of such third parties. Soil Test.biz accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions based on this report.

Peter Lennox QBCC 18267 RPEQ 1128

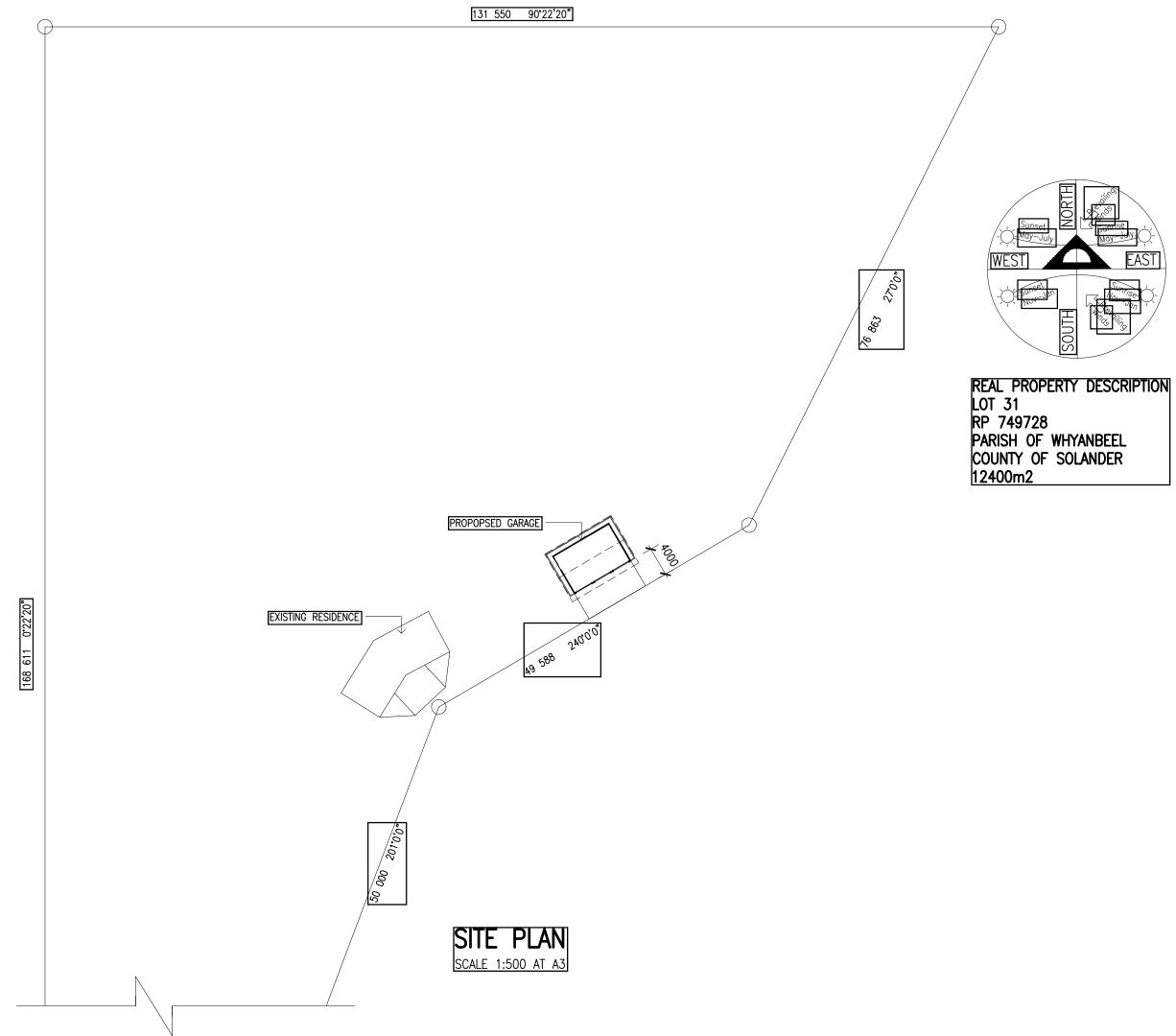
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DETAILS

DATE

EAST <u>SOUTH</u>

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Job No: Signed:
RPEQ No:
CLIENT:- JUERGEN KOENIG
PROJECT:-
PROPOSED GARAGE AT-
COURT, ROCKY POINT
DRAWN:- T.GOUGH
BUILDER:- T.B.A.
DATE:- MAR 2018
ISSUE:-
031 HIB
SHEET No:-

PROPOSED GARAGE for: JUERGEN KOENIG at: LOT 31 HIBISCUS COURT ROCKY POINT FAR NORTH QUEENSLAND

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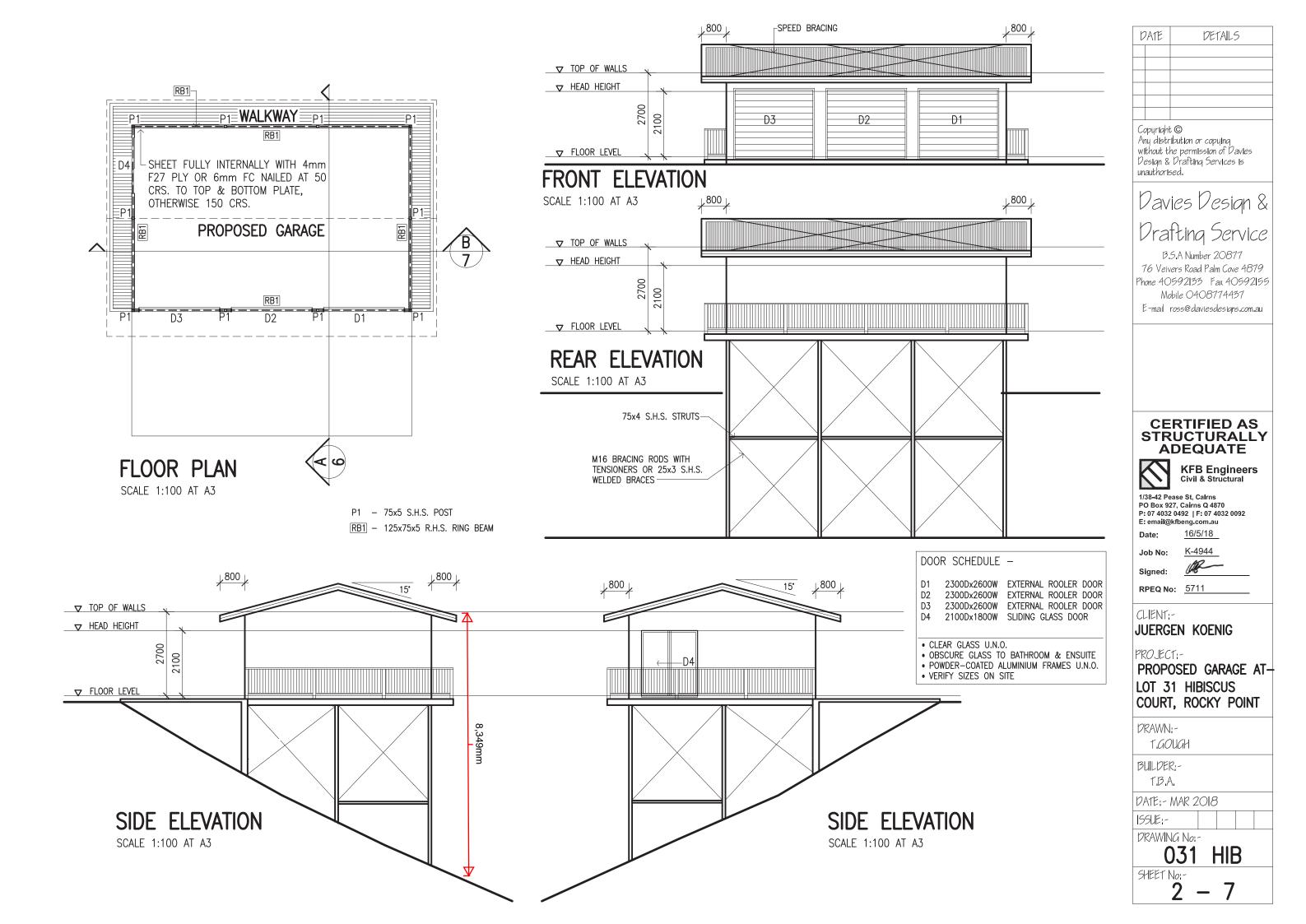
DRAWING SCHEDULE

- SHEET I SITE PLAN
- SHEET 3 SLAB & FOOTING PLAN
- SHEET 4 FLOOR FRAMING PLAN
- SHEET 5 SECTIONS SHEET I
- SHEET 6 SECTIONS SHEET 2
- SHEET 7 TIE DOWN DETAILS



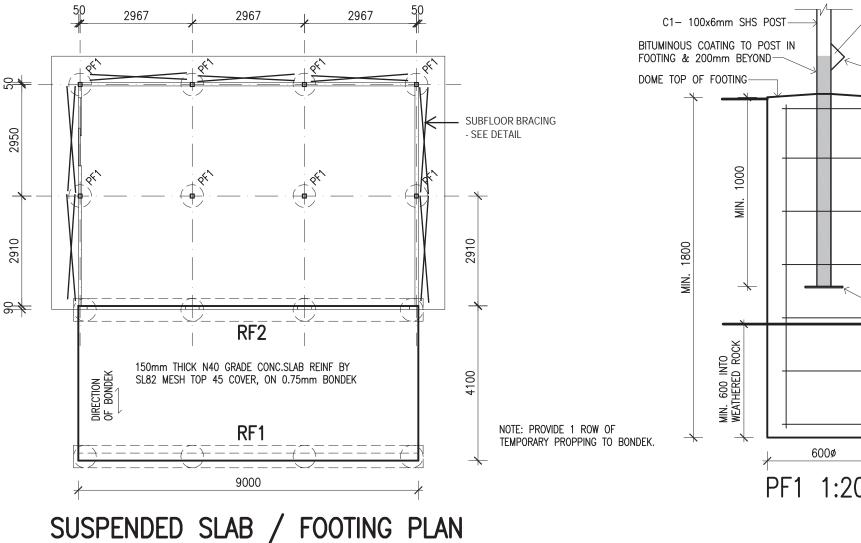
Civil & Structural

SHEET 2 FLOOR PLAN & ELEVATIONS



FOOTING & SLAB NOTES

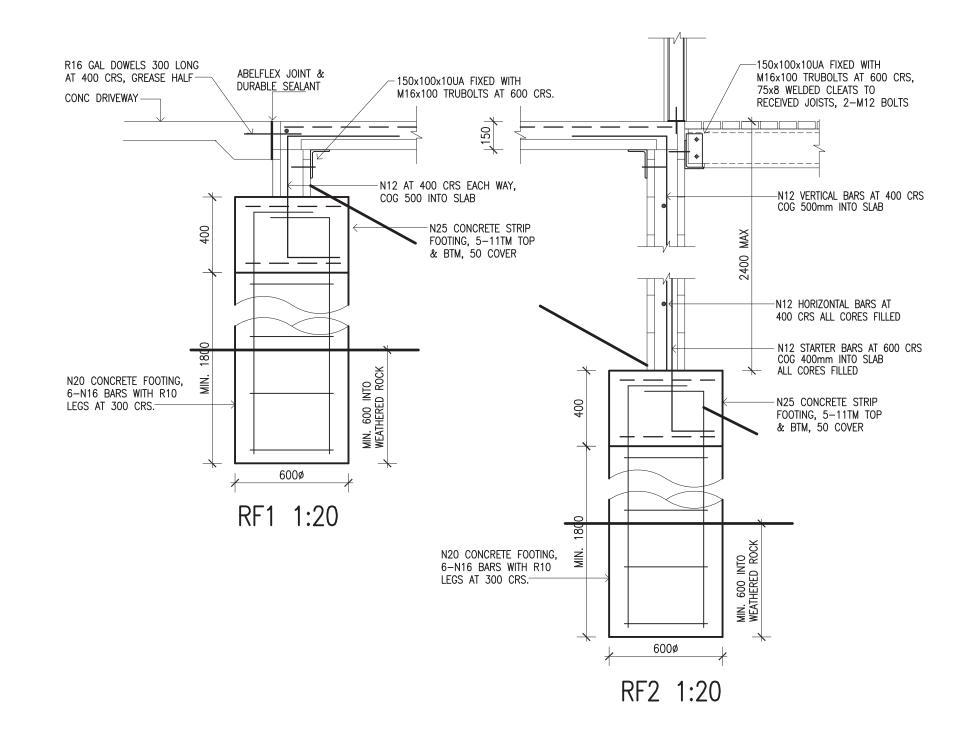
- * FOOTINGS HAVE BEEN DESIGNED FOR A MINIMUM ALLOWABLE BEARING PRESSURE OF 100kPA & CLASS 'P' SITE CLASSIFICATION ACCORDING TO A.S. 2870
- * BUILDER TO VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION
- * NATURAL FOUNDATIONS TO BE GRUBBED OUT & FREE FROM ORGANIC MATTER & DEBRIS & COMPACTED TO A MIN. 95% SRDD AT -5% TO +2% OF OPTIMUM MOISTURE CONTENT OR NOT LESS THAN 70% DENSITY INDEX FOR COHESIONLESS SOILS. FILL TO SLAB & FOUNDATIONS SHALL BE APPROVED NON-PLASTIC MATERIAL COMPACTED IN MAX 150mm LAYERS TO 95% SRDD AT -5% TO +2% OF OPTIMUM MOISTURE CONTENT OR NOT LESS THAN 70% INDEX FOR COHESIONLESS SOILS.
- * FOOTING TRENCHES SHALL BE CLEAN & DRY AT THE TIME OF CASTING WITH ANY SOFTENED MATERIAL REMOVED. BASE OF FOOTING TO BE FOUNDED ON FIRM NATURAL GROUND WITH MINIMUM SAFE BEARING CAPACITY OF 100kPA.
- * REMOVE GRASS & TOPSOIL CONTAINING ROOTS FROM SLAB SITE PROVIDE COMPACTED SAND BEDDING UNDER SLAB
- * PROVIDE 0.2mm POLYTHENE MOISTURE BARRIER UNDER SLAB & FOOTINGS
- CONCRETE TO SLAB & FOOTINGS TO BE N20, 80mm SLUMP, 20mm AGGREGATE.
- * VIBRATE ALL CONCRETE, CURE SLAB 7 DAYS MINIMUM.
- * CONCRETE COVER TO BE MAINTAINED BY THE USE OF APPROVED CHAIRS SPACED AT APPROX 750mm CRS. CONDUITS & PIPES SHALL NOT BE PLACED WITHIN COVER CONCRETE.
- * LAPS SHALL BE-N12-450mm, N16-600mm, FABRIC-1 COMPLETE MESH OVERLAP BETWEEN SHEETS.
- * CAST-IN ITEMS SHALL BE HOT DIPPED GALVANISED.
- * FOOTINGS SHALL NOT BE LOCATED CLOSER TO THE NEAREST EDGE OF A STORMWATER/SEWER TRENCH THAN THE DEPTH OF THE TRENCH.
- * SITE AREA TO BE GRADED TO READILY REMOVE SURFACE WATER & PREVENT PONDING ADJACENT TO FOUNDATIONS & DRIVEWAY
- * EXECUTION & CONTROL TESTING OF EARTHWORKS & ASSOCIATED SITE PREPARATION WORKS SHALL COMPLY WITH A.S. 3798



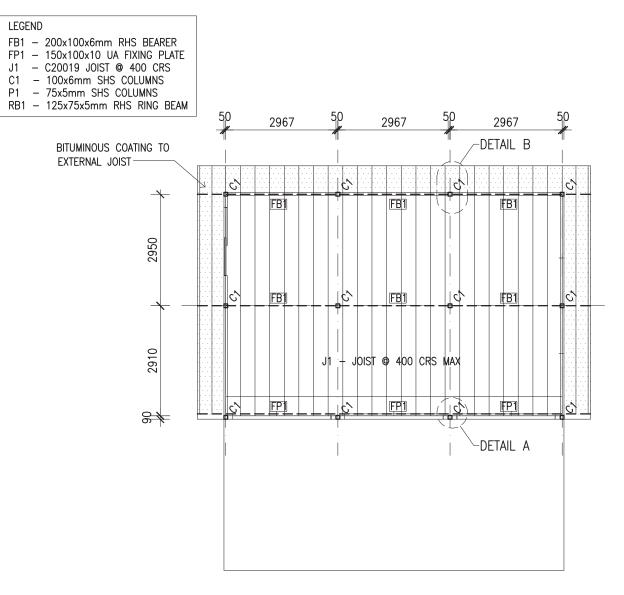
SCALE 1:100 AT A3

SEE SHEET 4 FOR RF1-RF2 FOOTING DETAILS

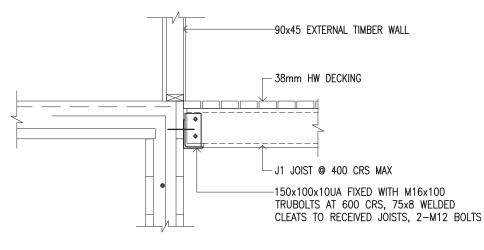
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+	
N25 CONCRETE FOOTING, 6-N16 BARS WITH R10	
LIGS AT 300 CRS.	CERTIFIED AS STRUCTURALLY
	ADEQUATE
200x200x8PL.	KFB Engineers Civil & Structural
	1/38-42 Pease St, Calms
	PO Box 927, Cairns Q 4870 P: 07 4032 0492 F: 07 4032 0092
	E: email@kfbeng.com.au Date: 16/5/18
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	Signed:
/	RPEQ No: <u>5711</u>
0	CLIENT:- JUERGEN KOENIG
	PROJECT:-
	PROPOSED GARAGE AT-
	LOT 31 HIBISCUS COURT, ROCKY POINT
	DRAWN:- T.GOUGH
	BUILDER;-
	T,B,A,
	DATE:- MAR 2018
	ISSUE:-
	DRAWING No:-
	031 HIB
	SHEET No:- 3 - 7

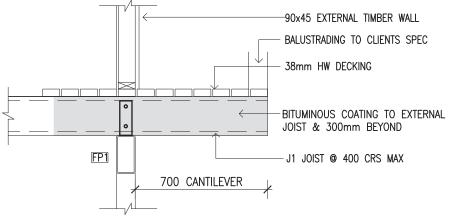


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FLOOR FRAMING PLAN SCALE 1:100 AT A3

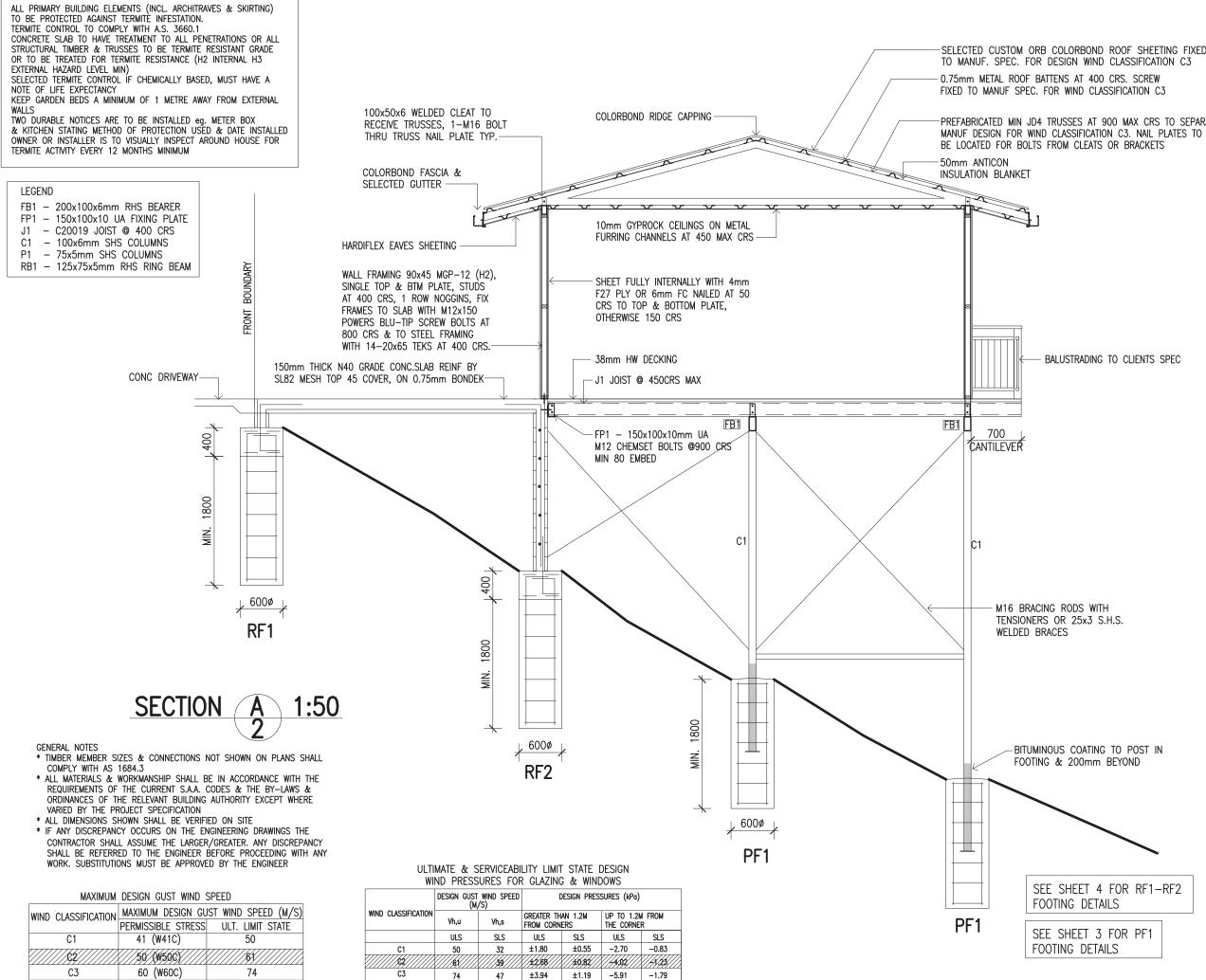




DETAIL B 1:20

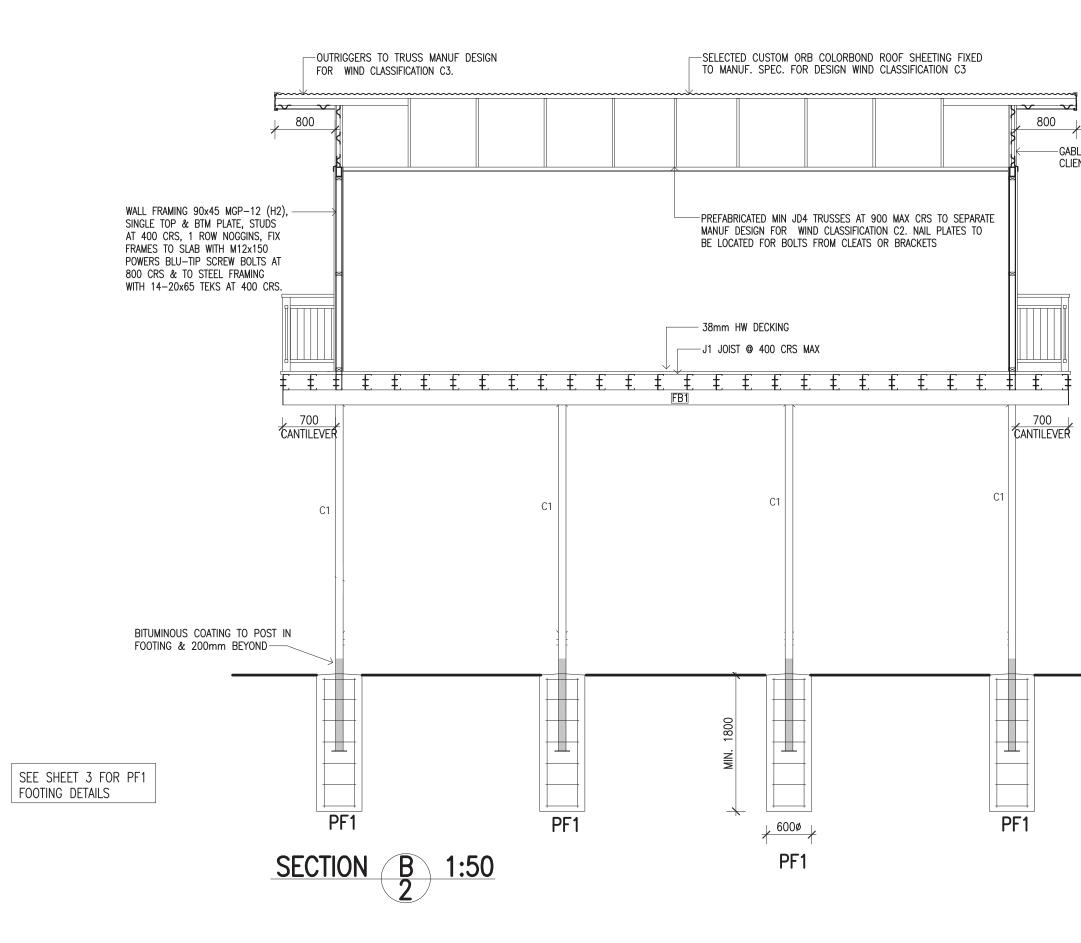
DETAIL A 1:20

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I FGF	ND	I
FB1	_	200x100x6mm RHS BEARER
FP1	_	150x100x10 UA FIXING PLATE
J1	—	C20019 JOIST @ 400 CRS
C1	-	100x6mm SHS COLUMNS
P1	_	75x5mm SHS COLUMNS
RB1	_	125x75x5mm RHS RING BEAM



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