

## Value Planning.

P. 0481 869 671 E. james@jamesmcpeake.com.au M. PO Box 5829, Cairns QLD 4870

**Cairns Office** 

L2, Suite 2, 82 Grafton St Cairns QLD 4870

**Townsville Office** 

L1, 33-35 Palmer St Townsville QLD 4810

Our Ref: Mahogany Your Ref: 0894/21

09 August 2021

Chief Executive Officer Douglas Shire Council PO Box 723 Mossman QLD 4873

Sent via - enquiries@douglas.gld.gov.au

Attention: Jenny Elphinstone

Dear Sir/Madam

RE: Material Change of Use Dwelling House (Shed and Domestic Outbuildings) -Lot 45 Mahogany Road, Diwan, being Lot 5 on RP738674.

We on behalf of our clients (Phillaman & Eugenia Davis) lodge a Material Change of Use Dwelling House (Domestic Outlbuilding) on the abovementioned property.

The relevant application fee has already been paid (AP6000679.32 – 20 May 2021, \$333.00) for a now lapsed application (0894/21) and should be transferred to this application.

Should you require any further information or assistance in relation to this manner please don't hesitate to contact James McPeake on 0481 869 671 or via email at approvals@jamesmcpeake.com.au.

Regards,

James McPeake (Bplan, UDIA)

Attached: - DA Form 1

Development Application and Plans.

## DA Form 1 – Development application details

Approved form (version 1.3 effective 28 September 2020) 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 only 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** (i.e. material change of use, operational work or reconfiguring a lot), 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)	Phillaman & Eugenia Davis – C/O McPeake Town Planning QLD Pty Ltd
Contact name (only applicable for companies)	James McPeake
Postal address (P.O. Box or street address)	PO BOX 5829
Suburb	Cairns
State	QLD
Postcode	4870
Country	Australia
Contact number	0481869671
Email address (non-mandatory)	approvals@jamesmcpeake.com.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?
Yes – the written consent of the owner(s) is attached to this development application



## PART 2 - LOCATION DETAILS

3) Location of the premises (complete 3.1) or 3.2), and 3.3) as applicable) <b>Note</b> : Provide details below and attach a site plan for any or all premises part of the development application. For further information, see <u>DA</u> Forms Guide: Relevant plans.									
3.1) Street address and lot on plan									
⊠ Str	<ul> <li>Street address AND lot on plan (all lots must be listed), Or</li> <li>Street address AND lot on plan for an adjoining or adjacent property of the premises (appropriate for development in water but adjoining or adjacent to land e.g. jetty, pontoon. All lots must be listed).</li> </ul>								
	Unit No.	Stree			t Name and				Suburb
					gany Road	71			Diwan
a)	Postcode	Lot N	0.	Plan	Type and Nu	ımber (	(e.g. RF	P, SP)	Local Government Area(s)
	4873	5		RP73	38674				Douglas Shire Council
	Unit No.	Stree	t No.	Stree	t Name and	Туре			Suburb
b)	Postcode	Lot N	0.	Plan	Type and Nu	ımber (	(e.g. RF	P, SP)	Local Government Area(s)
e. <b>Note</b> : P	g. channel dred lace each set d	dging in I of coordir	Moreton E nates in a	Bay) separat	e row.		note area	as, over part of a	a lot or in water not adjoining or adjacent to land
		premis			de and latitud	le			
Longit	ude(s)		Latitud	de(s)		Datur			Local Government Area(s) (if applicable)
							GS84		
							DA94 ther:		
	ordinates of	promic	oc by c	acting	and northing		uiei.		
Eastin		i	ning(s)	asung	Zone Ref.	Datur	m		Local Government Area(s) (if applicable)
Lasiiii	9(5)	INOITI	iii iy(s)		_		/GS84		Local Government Area(s) (Il applicable)
							DA94		
					☐ 56		ther:		
3.3) A	dditional pre	mises							
Add atta	ditional pren	nises a			this developr opment appli		pplicati	on and the d	etails of these premises have been
4) Ider	ntify any of t	he follo	wing th	at app	ly to the prer	nises a	ınd pro	vide any rele	vant details
☐ In o	or adjacent t	o a wa	ter body	y or wa	itercourse or	in or a	bove a	n aquifer	
Name	of water boo	dy, wat	ercours	e or a	quifer:				
☐ On	strategic po	rt land	under t	he <i>Tra</i>	nsport Infras	structur	e Act 1	994	
Lot on	plan descrip	otion of	stratec	gic port	land:				
Name	of port auth	ority fo	r the lot	:					
☐ In a	a tidal area								
Name	of local gov	ernmer	nt for th	e tidal	area (if applica	able):			
Name of port authority for tidal area (if applicable):									
On	On airport land under the Airport Assets (Restructuring and Disposal) Act 2008								
Name	of airport:								

Listed on the Environmental Management Register (EMR) under the Environmental Protection Act 1994				
EMR site identification:				
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 <a href="DA Forms Guide">DA Forms Guide</a> .				
☐ Yes – All easement locations, types and dimensions are application	e included in plans submitted with this development			
⊠ No				

## PART 3 – DEVELOPMENT DETAILS

## Section 1 – Aspects of development

6.1) Provide details about the first development aspect
a) What is the type of development? (tick only one box)
b) What is the approval type? (tick only one box)
□ Development permit    □ Preliminary approval    □ Preliminary approval that includes a variation approval
c) What is the level of assessment?
☐ Code assessment ☐ Impact assessment (requires public notification)
d) Provide a brief description of the proposal (e.g. 6 unit apartment building defined as multi-unit dwelling, reconfiguration of 1 lot into 3 lots):
Material Change of Use, Dwelling House (Shed and Domestic Outbuildings).
e) Relevant plans  Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see <u>DA Forms quide:</u> Relevant plans.
Relevant plans of the proposed development are attached to the development application
6.2) Provide details about the second development aspect
a) What is the type of development? (tick only one box)
☐ Material change of use ☐ Reconfiguring a lot ☐ Operational work ☐ Building work
b) What is the approval type? (tick only one box)
☐ Development permit ☐ Preliminary approval ☐ Preliminary approval that includes a variation approval
c) What is the level of assessment?
Code assessment Impact assessment (requires public notification)
d) Provide a brief description of the proposal (e.g. 6 unit apartment building defined as multi-unit dwelling, reconfiguration of 1 lot into 3 lots):
e) Relevant plans  Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see <a href="DA Forms Guide: Relevant plans">DA Forms Guide: Relevant plans</a> .
Relevant plans of the proposed development are attached to the development application
6.3) Additional aspects of development
<ul> <li>☐ Additional aspects of development are relevant to this development application and the details for these aspects that would be required under Part 3 Section 1 of this form have been attached to this development application</li> <li>☑ Not required</li> </ul>

Section 2 – Further developm	ent details						
7) Does the proposed developmen	nt application invol	ve any of the follow	ving?				
Material change of use	Yes – complete	division 1 if assessa	able against	a local <sub>l</sub>	planning instru	ument	
Reconfiguring a lot	Yes – complete	division 2					
Operational work	Yes – complete	division 3					
Building work	Yes – complete	DA Form 2 – Buildi	ng work deta	nils			
Division 1 – Material change of υ	ISE						
<b>Note</b> : This division is only required to be con		e development applicati	ion involves a m	aterial ch	ange of use asse	ssable against	
local planning instrument.	'alahanan (mas				-		
8.1) Describe the proposed mater			definition	N I . usa la se	w of shootling	Cross floor	
Provide a general description of the proposed use		ne planning scheme h definition in a new row			er of dwelling applicable)	Gross floor area (m²) (if applicable)	
Dwelling House (Shed)	A resider	ntial use of premis	ses for one			16290 m <sup>2</sup>	
		ld that contains a					
		The use includes					
		ngs and works no					
		ed with a dwelling secondary dwelli					
			<u> </u>				
8.2) Does the proposed use involved	ve the use of existi	ng buildings on the	premises?				
Yes							
⊠ No							
Division O. Donostinumina o let							
Division 2 – Reconfiguring a lot Note: This division is only required to be con	anlated if any part of th	a davalanment annligati	on involves rese	anfigurina	, o lot		
9.1) What is the total number of ex			on involves reco	oniiguring	a 101.		
5.1) What is the total number of 6.	xisting lots making	up the premises:					
9.2) What is the nature of the lot re	econfiguration? (tid	ck all applicable boxes)					
Subdivision (complete 10))	<b>J</b>	Dividing land in	nto parts by	agreem	ent (complete 1	1))	
Boundary realignment (complete	2 12))	•	Creating or changing an easement giving access to a lot				
	, 12))	from a constru					
10) Subdivision							
10.1) For this development, how r	many lots are being	g created and what	is the intend	led use	of those lots:		
Intended use of lots created	Residential	Commercial	Industrial	-	Other, please	e specify:	
Number of lots created							
10.2) Will the subdivision be stage	ed?						
<ul><li>☐ Yes – provide additional details</li><li>☐ No</li></ul>	s below						
How many stages will the works in	nclude?						
What stage(s) will this development application apply to?							

11) Dividing land int parts?	o parts by	agreement – ho	w many pa	rts are being o	created and what	is the intended use of the
Intended use of parts created		Residential	Co	mmercial	Industrial	Other, please specify:
Number of parts cre	eated					
12) Boundary realig	ınment					
12.1) What are the		d proposed area	s for each	lot comprising	the premises?	
,	Currer					osed lot
Lot on plan descript	tion	Area (m²)		Lot on plan	description	Area (m²)
12.2) What is the re	ason for t	he boundary real	ignment?			
13) What are the di	mensions	and nature of an	v existina (	easements bei	ng changed and	or any proposed easement?
(attach schedule if there	are more tha	an two easements)				
Existing or proposed?	Width (m	n) Length (m)	Purpose pedestriar	of the easeme	ent? <i>(e.g.</i>	Identify the land/lot(s) benefitted by the easement
Division 3 – Operati	ional worl	k				
Note: This division is only			art of the dev	elopment applicati	ion involves operation	nal work.
14.1) What is the na	ature of the	e operational wor	rk?			
☐ Road work			Stormwa		_	frastructure
☐ Drainage work☐ Landscaping		L	☐ Earthwo ☐ Signage			infrastructure vegetation
Other – please s	specify:		_ Oignage			vegetation
14.2) Is the operation		necessary to faci	litate the c	reation of new	lots? (e.a. subdivis	sion)
Yes – specify nu		_			( )	
□No						
14.3) What is the m	onetary va	alue of the propos	sed operat	ional work? (in	clude GST, materials	s and labour)
\$						
DADT 4 A00		- N I <del>-</del> - N A A A A A A	, ED DE	TAIL 0		
PART 4 – ASSI	ESSME	:NI MANAG	ER DE	TAILS		
15) Identify the asse	essment m	nanager(s) who v	vill be asse	essing this dev	elopment applica	ation
Douglas Shire Cour	ncil					
16) Has the local go	overnment	agreed to apply	a superse	ded planning s	scheme for this d	evelopment application?
		on notice is attac		•	• •	
☐ The local goverr attached	nment is ta	iken to have agre	ed to the	superseded pla	anning scheme r	equest – relevant documents
⊠ No						

## PART 5 - REFERRAL DETAILS

17) Does this development application include any aspects that have 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 Act 2016:
☐ Clearing native vegetation
Contaminated land (unexploded ordnance)
☐ Environmentally relevant activities (ERA) (only if the ERA has not been devolved to a local government)
☐ Fisheries – aquaculture
☐ Fisheries – declared fish habitat area
☐ Fisheries – marine plants
☐ Fisheries – waterway barrier works
☐ Hazardous chemical facilities
☐ Heritage places – Queensland heritage place (on or near a Queensland heritage place)
☐ Infrastructure-related referrals – designated premises
☐ Infrastructure-related referrals – state transport infrastructure
☐ Infrastructure-related referrals – State transport corridor and future State transport corridor
☐ Infrastructure-related referrals – State-controlled transport tunnels and future state-controlled transport tunnels
☐ Infrastructure-related referrals – near a state-controlled road intersection
☐ Koala habitat in SEQ region – interfering with koala habitat in koala habitat areas outside koala priority areas
☐ Koala habitat in SEQ region – key resource areas
☐ Ports – Brisbane core port land – near a State transport corridor or future State transport corridor
☐ Ports – Brisbane core port land – environmentally relevant activity (ERA)
☐ Ports – Brisbane core port land – tidal works or work in a coastal management district
☐ Ports – Brisbane core port land – hazardous chemical facility
☐ Ports – Brisbane core port land – taking or interfering with water
☐ Ports – Brisbane core port land – referable dams
☐ Ports – Brisbane core port land – fisheries
Ports – Land within Port of Brisbane's port limits (below high-water mark)
☐ SEQ development area
☐ SEQ regional landscape and rural production area or SEQ rural living area – tourist activity or sport and recreation activity
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 – urban activity
SEQ regional landscape and rural production area or SEQ rural living area – combined use
☐ Tidal works or works in a coastal management district
Reconfiguring a lot in a coastal management district or for a canal
Erosion prone area 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 –levees (category 3 levees only)
☐ Wetland protection area
Matters requiring referral to the local government:
☐ Airport land
Environmentally relevant activities (ERA) (only if the ERA has been devolved to local government)

☐ Heritage places – Local heritage places					
Matters requiring referral to the Chief Executive of the distribution entity or transmission entity:					
☐ Infrastructure-related referrals – Electricity infrastructur	е				
Matters requiring referral to:					
The Chief Executive of the holder of the licence, if					
• The <b>holder of the licence</b> , if the holder of the licence					
Infrastructure-related referrals – Oil and gas infrastruct	ure				
Matters requiring referral to the <b>Brisbane City Council:</b> Ports – Brisbane core port land					
Matters requiring referral to the Minister responsible for	administering the Transport le	ofrastructure Act 1004:			
Ports – Brisbane core port land (where inconsistent with the					
Ports – Strategic port land		,			
Matters requiring referral to the relevant port operator, if	applicant is not port operator:				
☐ Ports – Land within Port of Brisbane's port limits (below	high-water mark)				
Matters requiring referral to the Chief Executive of the re	levant port authority:				
Ports – Land within limits of another port (below high-water	r mark)				
Matters requiring referral to the <b>Gold Coast Waterways</b> A Tidal works or work in a coastal management district (iii					
Matters requiring referral to the Queensland Fire and Em					
☐ Tidal works or work in a coastal management district (ii		berths))			
18) Has any referral agency provided a referral response to	or this development application?				
<ul><li>☐ Yes – referral response(s) received and listed below at</li><li>☒ No</li></ul>	re attached to this development a	application			
Referral requirement	Referral agency	Date of referral response			
Identify and describe any changes made to the proposed referral response and this development application, or inclassical (if applicable).					
PART 6 – INFORMATION REQUEST					
19) Information request under Part 3 of the DA Rules					
☐ I agree to receive an information request if determined		application			
I do not agree to accept an information request for this					
Note: By not agreeing to accept an information request I, the applicant, a  that this development application will be assessed and decided ba	_	aking this development			
application and the assessment manager and any referral agencie Rules to accept any additional information provided by the applica-	s relevant to the development application	n are not obligated under the DA			

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 <u>DA Forms Guide</u>.

parties

## PART 7 – FURTHER DETAILS

20) Are there any associated				pproval)			
☐ Yes – provide details below or include details in a schedule to this development application							
⊠ No							
List of approval/development	Reference number	Date		Assessment			
application references				manager			
Approval							
Development application							
Approval							
Development application							
21) Has the portable long ser	vice leave levy been naid? (a	nly applicable to	development applications in	volvina huildina work or			
operational work)	vice leave levy been paid: (0)	піу арріісаріе іс	пиечеторитени аррпсанона ни	orving building work of			
Yes – a copy of the receip	ted QLeave form is attached	to this devel	opment application				
	rovide evidence that the porta		• •	n paid before the			
	ides the development applica						
give a development appro	val only if I provide evidence	that the porta	able long service leave l	evy has been paid			
	ng and construction work is le	ss than \$150	0,000 excluding GST)				
Amount paid	Date paid (dd/mm/yy)		QLeave levy number (	A, B or E)			
\$	1 ( 33)		,	,			
Ψ	<b>L</b>						
22) Is this development applic	cation in response to a show	cause notice	or required as a result of	of an enforcement			
notice?	Cation in response to a snow t	sause notice	or required as a result (	or arremorement			
Yes – show cause or enfor	reament notice is attached						
No	recinent notice is attached						
⊠ No							
23) Further legislative require	ments						
Environmentally relevant ac							
23.1) Is this development app							
Environmentally Relevant A							
	nent (form ESR/2015/1791) fo			al authority			
	ment application, and details	are provided	in the table below				
No Notes Application for an application	tal authority and ha favoral hy annuali	"FOD/004 <i>E/</i> 4	704"	u ald any av An EDA			
<b>Note</b> : Application for an environment requires an environmental authority of				<u>V.qid.gov.au</u> . An ERA			
Proposed ERA number:	,		RA threshold:				
Proposed ERA name:	<b>_</b>						
			. 1.1.7.1 1	d a Para a dia Libra			
this development application	ble to this development applic	cation and th	e details nave been atta	ched in a schedule to			
Hazardous chemical facilities							
23.2) Is this development app	olication for a hazardous che	mical facilit	y?				
Yes – Form 69: Notificatio	n of a facility exceeding 10%	of schedule	15 threshold is attached	to this development			
application							
⊠ No							
Note: See www.business.gld.gov.au	for further information about hazarde	ous chemical no	otifications.				

Clearing native vegetation
23.3) Does this development application involve <b>clearing native vegetation</b> that requires written confirmation that the chief executive of the <i>Vegetation Management Act 1999</i> is satisfied the clearing is for a relevant purpose under section 22A of the <i>Vegetation Management Act 1999</i> ?
Yes – this development application includes written confirmation from the chief executive of the <i>Vegetation Management Act 1999</i> (s22A determination)
Note: 1. Where a development application for operational work or material change of use requires a s22A determination and this is not included, the development application is prohibited development.  2. See <a href="https://www.qld.gov.au/environment/land/vegetation/applying">https://www.qld.gov.au/environment/land/vegetation/applying</a> for further information on how to obtain a s22A determination.
Environmental offsets
23.4) Is this development application taken to be a prescribed activity that may have a significant residual impact on a <b>prescribed environmental matter</b> under the <i>Environmental Offsets Act 2014</i> ?
<ul> <li>Yes − I acknowledge that an environmental offset must be provided for any prescribed activity assessed as having a significant residual impact on a prescribed environmental matter</li> <li>No</li> </ul>
Note: The environmental offset section of the Queensland Government's website can be accessed at <a href="https://www.qld.gov.au">www.qld.gov.au</a> for further information on environmental offsets.
Koala habitat in SEQ Region
23.5) Does this development application involve a material change of use, reconfiguring a lot or operational work which is assessable development under Schedule 10, Part 10 of the Planning Regulation 2017?
<ul> <li>☐ Yes – the development application involves premises in the koala habitat area in the koala priority area</li> <li>☐ Yes – the development application involves premises in the koala habitat area outside the koala priority area</li> <li>☐ No</li> </ul>
Note: If a koala habitat area determination has been obtained for this premises and is current over the land, it should be provided as part of this development application. See koala habitat area guidance materials at <a href="https://www.des.qld.gov.au">www.des.qld.gov.au</a> for further information.
Water resources
23.6) Does this development application involve taking or interfering with underground water through an artesian or subartesian bore, taking or interfering with water in a watercourse, lake or spring, or taking overland flow water under the <i>Water Act 2000</i> ?
Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the <i>Water Act 2000</i> may be required prior to commencing development
No  Note: Contact the Department of Natural Resources, Mines and Energy at <a href="https://www.dnrme.qld.gov.au">www.dnrme.qld.gov.au</a> for further information.
DA templates are available from <a href="https://planning.dsdmip.qld.gov.au/">https://planning.dsdmip.qld.gov.au/</a> . If the development application involves:
<ul> <li>Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1</li> <li>Taking or interfering with water in a watercourse, lake or spring: complete DA Form1 Template 2</li> </ul>
Taking overland flow water: complete DA Form 1 Template 3.
Waterway barrier works 23.7) Does this application involve waterway barrier works?
Yes – the relevant template is completed and attached to this development application
No  □
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 <i>resource</i> allocation authority is attached to this development application, if required under the <i>Fisheries Act 1994</i>
No Note: See guidance materials at <a href="https://www.daf.qld.gov.au">www.daf.qld.gov.au</a> for further information.

Quarry materials from a watercourse or lake	
23.9) Does this development application involve the <b>removal of quarry materials from a watercourse or lake</b> under the <i>Water Act 2000?</i>	
<ul><li>☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing developmen</li><li>☒ No</li></ul>	t
<b>Note</b> : Contact the Department of Natural Resources, Mines and Energy at <a href="https://www.dnrme.qld.gov.au">www.business.qld.gov.au</a> for further information.	
Quarry materials from land under tidal waters	
23.10) Does this development application involve the <b>removal of quarry materials from land under tidal water</b> under the <i>Coastal Protection and Management Act 1995?</i>	
<ul><li>☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing developmen</li><li>☒ No</li></ul>	t
Note: Contact the Department of Environment and Science at www.des.qld.gov.au for further information.	
Referable dams	
23.11) Does this development application involve a <b>referable dam</b> 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	
No Note: See guidance materials at <a href="https://www.dnrme.gld.gov.au">www.dnrme.gld.gov.au</a> 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:	
<ul> <li>Evidence the proposal meets the code for assessable development that is prescribed tidal work (only require if application involves prescribed tidal work)</li> </ul>	∍d
A certificate of title	
No.	
Note: See guidance materials at <a href="https://www.des.qld.gov.au">www.des.qld.gov.au</a> for further information.  Queensland and local heritage places	
23.13) Does this development application propose development on or adjoining a place entered in the <b>Queensland</b> heritage register or on a place entered in a local government's <b>Local Heritage Register</b> ?	
Yes – details of the heritage place are provided in the table below	
⊠ No	
Note: See guidance materials at <a href="https://www.des.qld.gov.au">www.des.qld.gov.au</a> for information requirements regarding development of Queensland heritage places.	
Name of the heritage place: Place ID:	
<u>Brothels</u>	
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> ☑ No	
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 <i>Transport Infrastructure Act 1994</i> (subject to the conditions in section 75 of the <i>Transport Infrastructure Act 1994</i> being	
satisfied)  No	

Walkable neighbourhoods assessment benchmarks under Schedule 12A of the Planning Regulation
23.16) Does this development application involve reconfiguring a lot into 2 or more lots in certain residential zones (except rural residential zones), where at least one road is created or extended?
Yes – Schedule 12A is applicable to the development application and the assessment benchmarks contained in schedule 12A have been considered
No No
<b>Note</b> : See guidance materials at <a href="www.planning.dsdmip.qld.gov.au">www.planning.dsdmip.qld.gov.au</a> for further information.

## 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	⊠ Yes
Note: See the Planning Regulation 2017 for referral requirements	
If building work is associated with the proposed development, Parts 4 to 6 of <u>DA Form 2 –</u>	Yes
Building work details have been completed and attached to this development application	Not applicable
Supporting information addressing any applicable assessment benchmarks is with the	
development application	
Note: This is a mandatory requirement and includes any relevant templates under question 23, a planning report	⊠ Yes
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 DA	
Forms Guide: Planning Report Template.	
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	⊠ Yes
information, see <u>DA Forms Guide: Relevant plans.</u>	
The portable long service leave levy for QLeave has been paid, or will be paid before a	Yes
development permit is issued (see 21)	Not applicable
25) Applicant declaration	
20/7 ippinsam assistation	
	t application is true and
By making this development application, I declare that all information in this development correct	t application is true and
By making this development application, I declare that all information in this development correct	
By making this development application, I declare that all information in this development	ctronic communications
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electrical electrical entry.</li> </ul>	ctronic communications where written information
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application was required or permitted pursuant to sections 11 and 12 of the Electronic Transactions Activities to intentionally provide false or misleading information.</li> </ul>	etronic communications where written information of 2001
<ul> <li>By making this development application, I declare that all information in this development correct</li> <li>Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application via required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Actions It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager.</li> </ul>	ctronic communications where written information at 2001  Jer and/or chosen
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application via required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Actions It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any principle).</li> </ul>	ctronic communications where written information at 2001 ger and/or chosen ofessional advisers
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electron the assessment manager and any referral agency for the development application via required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Actions It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provide may be engaged by those entities) while processing, assessing and deciding the development.</li> </ul>	ctronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application.
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electron the assessment manager and any referral agency for the development application via required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Actions It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provide may be engaged by those entities) while processing, assessing and deciding the development application may be available for inspection and processing.</li> </ul>	ctronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application.
By making this development application, I declare that all information in this development correct  Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application was required or permitted pursuant to sections 11 and 12 of the Electronic Transactions Activote: It is unlawful to intentionally provide false or misleading information.  Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provided may be engaged by those entities) while processing, assessing and deciding the development application may be available for inspection and published on the assessment manager's and/or referral agency's website.	etronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application. ourchase, and/or
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application was required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Active: It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provide may be engaged by those entities) while processing, assessing and deciding the development application relating to this development application may be available for inspection and published on the assessment manager's and/or referral agency's website.</li> <li>Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>,</li> </ul>	etronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application. ourchase, and/or
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electron the assessment manager and any referral agency for the development application was is required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Active It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provide may be engaged by those entities) while processing, assessing and deciding the deveral information relating to this development application may be available for inspection and published on the assessment manager's and/or referral agency's website.</li> <li>Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>, Regulation 2017 and the DA Rules except where:</li> </ul>	ctronic communications where written information of 2001  ger and/or chosen of essional advisers elopment application. ourchase, and/or  Planning
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electron the assessment manager and any referral agency for the development application via required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Active It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provision may be engaged by those entities) while processing, assessing and deciding the deveral information relating to this development application may be available for inspection and published on the assessment manager's and/or referral agency's website.</li> <li>Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>, Regulation 2017 and the DA Rules except where:</li> <li>such disclosure is in accordance with the provisions about public access to documents of the process of the process of the provisions about public access to documents of the process of the provisions about public access to documents of the process of the process of the process of the provisions about public access to documents of the process of th</li></ul>	ctronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application. burchase, and/or  Planning ontained in the Planning
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electron the assessment manager and any referral agency for the development application via required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Active It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provide may be engaged by those entities) while processing, assessing and deciding the deverall information relating to this development application may be available for inspection and published on the assessment manager's and/or referral agency's website.</li> <li>Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>, Regulation 2017 and the DA Rules except where:</li> <li>such disclosure is in accordance with the provisions about public access to documents of <i>Act 2016</i> and the Planning Regulation 2017, and the access rules made under the <i>Planning Act 2016</i>,</li> </ul>	ctronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application. burchase, and/or  Planning ontained in the Planning
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application vis required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Active It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any propose which may be engaged by those entities) while processing, assessing and deciding the deverall information relating to this development application may be available for inspection and proposed on the assessment manager's and/or referral agency's website.</li> <li>Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>, Regulation 2017 and the DA Rules except where:</li> <li>such disclosure is in accordance with the provisions about public access to documents of <i>Act 2016</i> and the Planning Regulation 2017, and the access rules made under the <i>Planning Regulation 2017</i>; or</li> </ul>	ctronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application. burchase, and/or  Planning ontained in the Planning
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application via required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Active It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any provinch may be engaged by those entities) while processing, assessing and deciding the deveral information relating to this development application may be available for inspection and published on the assessment manager's and/or referral agency's website.</li> <li>Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>, Regulation 2017 and the DA Rules except where:         <ul> <li>such disclosure is in accordance with the provisions about public access to documents of <i>Act 2016</i> and the Planning Regulation 2017, and the access rules made under the <i>Plann Planning Regulation 2017</i>; or</li> <li>required by other legislation (including the <i>Right to Information Act 2009</i>); or</li> </ul> </li> </ul>	ctronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application. burchase, and/or  Planning ontained in the Planning
<ul> <li>☑ By making this development application, I declare that all information in this development correct</li> <li>☑ Where an email address is provided in Part 1 of this form, I consent to receive future electrom the assessment manager and any referral agency for the development application vis required or permitted pursuant to sections 11 and 12 of the <i>Electronic Transactions Active It is unlawful to intentionally provide false or misleading information.</i></li> <li>Privacy – Personal information collected in this form will be used by the assessment manager assessment manager, any relevant referral agency and/or building certifier (including any propose which may be engaged by those entities) while processing, assessing and deciding the deverall information relating to this development application may be available for inspection and proposed on the assessment manager's and/or referral agency's website.</li> <li>Personal information will not be disclosed for a purpose unrelated to the <i>Planning Act 2016</i>, Regulation 2017 and the DA Rules except where:</li> <li>such disclosure is in accordance with the provisions about public access to documents of <i>Act 2016</i> and the Planning Regulation 2017, and the access rules made under the <i>Planning Regulation 2017</i>; or</li> </ul>	etronic communications where written information at 2001  ger and/or chosen ofessional advisers elopment application. Fourthase, and/or  Planning  ontained in the Planning aning Act 2016 and

# PART 9 – FOR COMPLETION OF THE ASSESSMENT MANAGER – FOR OFFICE USE ONLY

Date received:	Reference num	nber(s):	
Notification of engagement of	of alternative assessment ma	nager	
Prescribed assessment man	ager		
Name of chosen assessmen	t manager		
Date chosen assessment ma	anager engaged		
Contact number of chosen a	ssessment manager		
Relevant licence number(s)	of chosen assessment		
manager			
QLeave notification and pay	ment		
Note: For completion by assessme	nt manager if applicable		
Description of the work			
QLeave project number			
Amount paid (\$)		Date paid (dd/mm/yy)	
Date receipted form sighted	by assessment manager		

Name of officer who sighted the form



## **DEVELOPMENT APPLICATION REPORT**

Material Change of Use – Dwelling House (Shed and Domestic Outbuildings)

Located at Lot 5 Mahogany Road, Diwan QLD.

## **CONTENTS**

- 1. Executive Summary
- 2. Site Characteristics
- 3. Planning Assessment
- 4. Conclusion

APPENDIX A: Site Photos

APPENDIX B: DA Form 1

APPENDIX C: Proposal Plans

### 1. EXECUTIVE SUMMARY

McPeake Town Planning Pty Ltd as applicant on behalf of Phillaman & Eugenia Davis owners of Lot 5 on RP738674, located at Mahogany Road, Diwan, seek a Development Permit for Material Change of Use – Dwelling House (Shed and Domestic Outbuildings).

The proposal seeks to establish a new storage shed that will be used to support future dwelling house storage purposes. Also, storage of materials and equipment used in the ongoing maintenance of the property. The site currently contains a number of structures utilised for domestic purposes with an existing shed and shipping container for domestic storage purposes. The structures enable the ongoing maintenance of the site and will assist with storage for the construction of a future dwelling house. While no vegetation will be cleared in this proposal, the future shed will be positioned on already cleared area that can be easily accessed from the unsealed road and existing buildings on the lot.

Sheds are common in the surrounding area and will not have any adverse impacts on the protection, restoration and management of the local areas. In particular, the use of a domestic shed is of low intensity, maintaining the environmental and scenic amenity values of the site. With the proposal leaving ample room for the establishment of a future dwelling house and onsite waste water system.

The proposed land use and activities are code assessable under the Douglas Shire Planning Scheme 2018 v1.0.

The proposed development is compliant with the relevant Codes; Polices and Conditions under the Douglas Shire Planning Scheme 2018 v1.0, and where reasonable and relevant can be appropriately conditioned.

DA forms completed supporting this Development Application include:

• DA Form 1

The following plans and drawings supporting this Development Application are attached in Appendix B:

- Proposal plans.
- Site Pics.

## 2. Site Characteristics

## 2.1 Summary of Proposal

McPeake Town Planning Pty Ltd as applicant on behalf of Phillaman & Eugenia Davis owners of Lot 5 on RP738674, located at Mahogany, Diwan, seek a Development Permit for a Material Change of Use – Dwelling House (Shed and Domestic Outbuildings).

## **Address and Property Description**

- Mahogany, Diwan, Lot 5 on RP738674
- Total land area
  - $\circ$  Lot 5 16290m<sup>2</sup>

Figure 1: Aerial of site



Source: Queensland Globe, accessed 7/07/2021.

## Material Change of Use – Dwelling House (Shed).

Mahogany Road, Diwan.



## **Local Planning Authority**

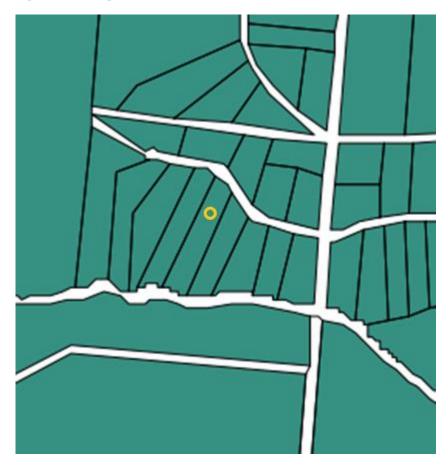
- Douglas Shire Council
- Douglas Shire Planning Scheme 2018 v1.0

## 2.2 Site Tenure

The subject properties are held in freehold tenure by our client.

## **Zoning of the Subject Site**

Figure 2: Zoning – Conservation Zone



https://douglas.qld.gov.au/download/planning-scheme/1.-Zoning-Maps-70K-1-to-11.pdf

### Material Change of Use – Dwelling House (Shed).

Mahogany Road, Diwan.



### 2.3 Physical Characteristics and Surrounding Land Uses

The subject site is located on Mahogany Street, Diwan. The immediate area is wholly conservation zoned, with heavy vegetation and minimal development. The area is characterised by large lots with dwelling houses and sheds. Examples can be found in 46, 47, 57, and 74 Mahogany Road, Diwan. To maintain the heavy vegetation present and valued landscapes, no vegetation will be cleared on this site for this proposal.

### 3. PLANNING ASSESSMENT

### 3.1 Introduction

This proposed Material Change of Use – Dwelling House (Shed) is lodged assessed in accordance with the relevant policies of the Douglas Shire Planning Scheme 2018 v1.0, with the proposed uses being code assessable and requires assessment against the relevant codes.

### 3.2 Level of Assessment and Applicable Codes

In accordance with the Douglas Shire Planning Scheme 2018 v1.0 the development assessment needs to address the following local codes/policies:

- Level of Assessment: Code Assessable
- Local Plan Cape Tribulation & Daintree Coast Local Plan Precinct 2 Low Impact Residential.
- Zone Code: Conservation Zone
- Overlays: Acid Sulfate Soils (Land > 5m & < 20m AHD), Transport Network Road Hierarchy (Access Road).
- **Development Codes**: Environmental Performance Code, Excavation and Filling Code, Infrastructure Works Code, Landscaping Code, Reconfiguring a Lot Code.
- Referrals: Nil.



## **Conservation zone code**

Table 6.2.3.3.a – Conservation zone code –assessable development

Performance outcomes	Acceptable outcomes	Applicant response
For assessable development		
PO1 The establishment of uses is consistent with the outcomes sought for the Conservation zone and protects the zone from the intrusion of inconsistent uses.	AO1 Uses identified in Table 6.2.3.3.b are not established in the Conservation zone.	Complies with PO1. The proposal is for a domestic outbuilding (shed) which is consistent with the zoning outcomes. While buildings are sparse in the area, sheds are common in surrounding lots.
PO2 The height of buildings is compatible with the character of the area and does not adversely affect the amenity of the area.	Buildings and structures are not more than 8.5 metres in height and two storeys.  Note - Height is inclusive of roof height.	Complies all structures on the site are below the maximum height.
PO3  Development is setback from site boundaries so they are screened from view from the boundaries of adjoining properties and adjoining roads to maintain the scenic values of the area.	AO3 Buildings and structures are setback not less than:  (a) 40 metres from the frontage of a State-controlled road, existing or proposed arterial road, existing or proposed sub-arterial road, as identified on the Transport network overlay maps contained in Schedule 2;  (b) 25 metres from Cape Tribulation Road frontage;  (c) 20 metres from any other road frontage  (d) 10 metres from side and rear boundaries.	Complies. All setbacks are compliant.
PO4 The site coverage of all buildings and structures does not have an adverse effect on the conservation or scenic amenity values of the site and surrounding area and buildings are subservient to the natural environment.	AO4 Development is sited in an existing cleared area or an area approved for clearing, but which is not yet cleared until a development permit to carry out Building Works is issued. Any clearing is limited to a maximum area of 700m² and is sited clear of the high bank of any watercourse.  Note – The 700m² area of clearing does not include an access driveway.	Complies. No further clearing is required.



Performance outcomes	Acceptable outcomes	Applicant response
PO5 Development is consistent with the overall outcomes sought for the Conservation zone.	AO5 No acceptable outcomes are prescribed.	Complies. Domestic outbuildings are consistent with the overall outcomes of the Conservation Zone.
PO6 Development complements, and is subservient to the surrounding environment and is in keeping with the ecological, landscape and scenic values of the area.	AO6 The exterior finishes and colours of all development are non-reflective and consist of colours that blend easily with surrounding native vegetation and viewshed.	Complies. The development is for a material change of use – no building works will be done to require blending into the environment. The use of a dwelling house (shed) can also be made to easily blend into the environment with consistent colours and materials.
PO7 Development is screened from view from adjoining roads and properties with a dense screen of endemic/native landscape which:  (a) is informal in character and complementary to the existing	AO7.1 For any development, the balance area of the site not built upon, including all setback areas must be landscaped/revegetated with dense three tier, endemic planting which is maintained to ensure successful screening is achieved.	Complies. Significant and dense vegetation is currently present and will not be removed. A cleared area already exists on the site adjacent to the current structures.
natural environment; (b) provides screening; (c) enhances the visual appearance of the development.  Note – Planning scheme policy – Landscaping provides further guidance on meeting the performance outcome.	AO7.2 Endemic palm species, where used, are planted as informal accent features and not as avenues and not in a regular pattern.	Complies. No vegetation will be added, nor removed to/from the site. The site is currently heavily screened by vegetation.
P08 Development is complementary to the surrounding environment.	AO8.1  Development harmonises with the surrounding environment, for example, through suspended, light-weight construction on sloping sites, which requires minimal excavation or fill.	Complies. The development is a material change of use for a dwelling house (shed), which requires minimal excavation or filling.
	AO8.2 A driveway or parking areas are constructed and maintained to: (a) minimise erosion, particularly in the wet season; (b) minimise cut and fill; (c) follow the natural contours of the site; (d) minimise vegetation clearing.	Complies. The driveway is already present and no further works are required.
	AO8.3  Buildings and structures are erected on land not exceeding a maximum gradient of 1 in 6 (16.6%) or On land steeper than 1 in 6 (16.6%) gradient:  (a) A split level building form is utilised;  (b) A single plane concrete slab is not utilised;	Not Applicable.



Performance outcomes	Acceptable outcomes	Applicant response
	<ul> <li>(c) Any voids between building and ground level, or between outdoor decks and ground level are screened from view using lattice/battens and/or landscaping. and</li> <li>(d) is accompanied by a Geotechnical Report prepared by a qualified engineer at development application stage which includes certification that the site can be stabilised, followed by a certificate upon completion of works.</li> </ul>	
	AO8.4  Buildings and structures are sited below any ridgelines and are sited to avoid protrusion above the surrounding treelevel canopy.	Not applicable
Development is located to:  (a) protect the ecological values of the site and surrounding land;  (b) maintain the scenic values of the area;  (c) maintain appropriate setbacks to waterways, watercourses, wetlands, tidal areas and overland flow paths;  (d) avoid areas that are vulnerable to natural hazards;  (e) minimise to the greatest extent possible on site excavation and filling;  (f) provide buffers to cultural, historical or ecological features;  (g) minimise visibility from external sites or public viewing points;  (h) minimises to the greatest extent possible the loss of native vegetation and fauna habitat.	AO9 No acceptable outcomes are prescribed.	Complies. The proposed development will not involve any clearing of vegetation, maintaining the ecological value and scenic values of the site.
PO10 Development does not result in adverse impacts on: (a) ecological function or features; (b) on-site or surrounding waterways and wetlands.	AO10 No acceptable outcomes are prescribed.	Complies. The use of a dwelling house (shed) will have no adverse impacts on the ecological function or features, or surrounding waterways and wetlands.
PO11 Rehabilitation of natural processes on disturbed sites is undertaken to improve the environmental integrity of the area.	AO11 No acceptable outcomes are prescribed.	Not Applicable. Vegetation is heavy and comparable to the current vegetation on surrounding lots. No vegetation is to be cleared in this proposal.
PO12	AO12 No acceptable outcomes are prescribed.	<b>Not Applicable.</b> No fencing is to be proposed for this proposal.

## Material Change of Use – Dwelling House (Shed).





Performance outcomes	Acceptable outcomes	Applicant response
Fencing is designed to not impede the free movement of native fauna through the site.		
PO13  New lots contain a minimum lot size of 200 hectares, unless:  (a) the lot reconfiguration results in no additional lots (e.g. amalgamation, boundary realignments);  (b) the reconfiguration is limited to one additional lot to accommodate an existing or approved:  (i) Telecommunications facility;  (ii) Utility installation;  (c) the lot reconfiguration facilitates and outcome consistent with the Return to Country local plan.  Note – Boundary realignments must result in an improved environmental outcome or resolve encroachments	AO13 No acceptable outcomes are prescribed.	Not Applicable. A new lot is not being established in this proposal.

## **Applicable Overlay Codes**

Overlay Code	Response
Natural Areas Overlay Code	<b>Complies.</b> The proposed shed is outside of the mapped area. The location of the proposed shed is already cleared.
Hillslopes Overlay Code	<b>Complies</b> . The proposed shed is outside of the mapped hillslopes area and does not impact upon hillslope amenity.
Potential Landslide Hazard Overlay Code (High & Medium Hazard Risk)	<b>Complies with the code.</b> The proposed shed is outside of the mapped landslide hazard area and the proposed site for the shed is cleared and does not require further earthworks.



## **Applicable Local Plan Codes**

Overlay Code	Response		
Cape Tribulation & Daintree Coast Local Plan Code -	Complies with the code. The proposal is for a domestic		
Precinct 2 Low Impact Residential	outbuilding (shed) and is consistent with the outcomes		
	of the precinct 2 area. There is no clearing required		
	and the proposal and it does not result in any adverse		
	impacts on the local Daintree area. Domestics		
	outbuildings and sheds are common structures within		
	the area.		

## **Applicable Development Codes**

Development Code	Response
Dwelling House Code	<b>Complies</b> . The proposal complies with the purpose and overall outcomes of the dwelling house code. Also, the proposal will not involve any building works.
Access, Parking and Service Code	<b>Not Applicable.</b> The proposal will not involve any new vehicle parking or access.
Filling and Excavation Code	Complies. No filling or excavation is required.
Infrastructure Works Code – Not required to be addressed. However, response provided.	<b>Complies.</b> The proposal it will maintain its current standard of infrastructure.
Landscaping Code	<b>Complies.</b> The site is heavily vegetated and no landscaping is required.
Vegetation Management Code	<b>Complies.</b> The proposal will not remove any vegetation, maintaining the ecological value and scenic values of the site.

## **4.0 CONCLUSION**

It is considered that the proposed development is consistent with the codes applicable to this development application. The proposal is consistent with the amenity of the area, with large lots containing low impact domestic uses, including dwelling houses and sheds/outbuildings. It is considered that this planning report has demonstrated that no major non-compliances have been observed.



**Attached: Photos of the Site** 

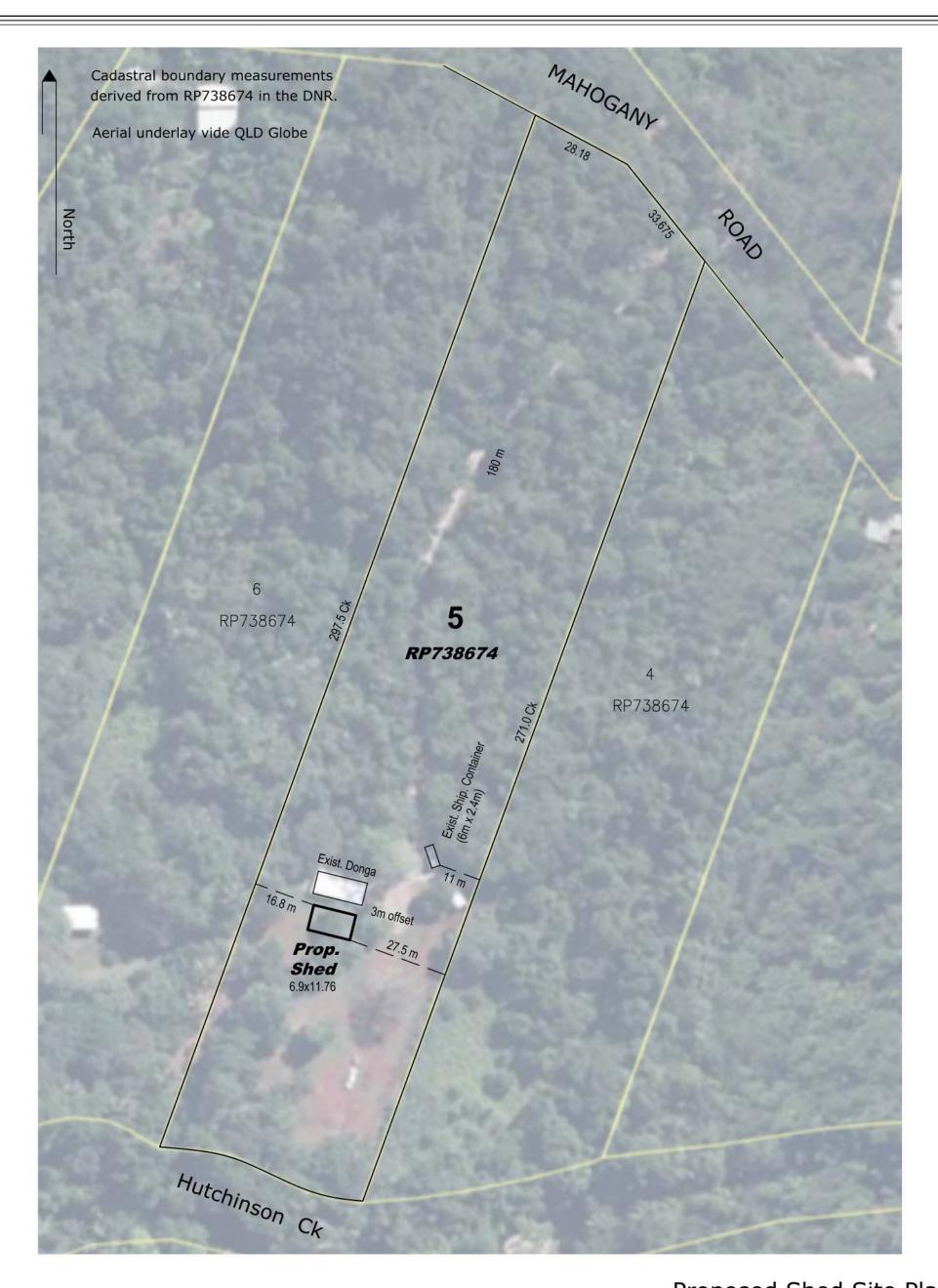
Image 1: Existing driveway





Image 2: Cleared site area







Douglas Shire Council

Client: Philliaman & Eugenia Davis

Scale 1:200 @ a3 Revision a - original issue - 8/07/2021 Dwg no: Davis P01 c



Ph: 0481 869 671 email: james@jamesmcpeake.com.au Cairns - North Queensland

www.jamesmcpeake.com.au/

# **ENGINEERING**

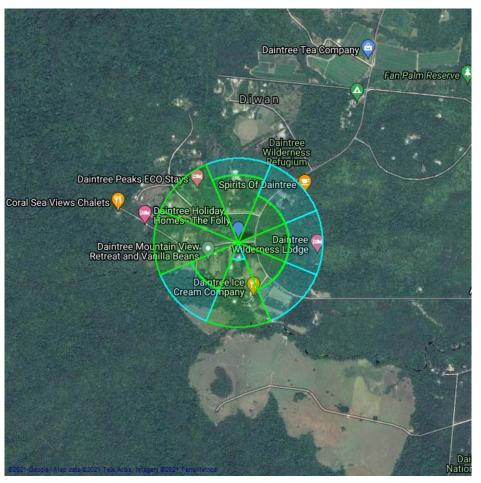
## **CONTENTS**

Cover Sheet	1
Site Plan	2
Plans and Elevations	3
SBP-S1 Rev.A Engineering Table	6
SBP-S2 Rev.A General Notes and Specs	7
SBP-S3 Rev.A Typical Connection Details	8
SBP-S4 Rev.A Intermediate Portal Connection Details	9
SBP-S5-S6 Rev.A Gable and Side Wall Openings	10
SBP-S7 Rev.A Hold Down and Misc	12
SBP-S8 Rev.A Uprights/Bracing	13
SBP-S10 Rev.A Garaports	14
SBP-S11-S12-S13 Rev A Slabs	15

## Site Specific Windspeed Report



			Major Structural Elements	Cladding and Immediate Supporting Elements
Wind Region:	С	Terrain Category (TC):	2.0	2.0
Latitude:	-16.2103552	Critical Direction:	WEST Wind	WEST Wind
Longitude:	145.4036251	Md:	0.95	1.00
Elevation:	29.50	Mz, cat:	0.91	0.91
Importance Level:	2	Ms:	1.00	1.00
Average Height:	3.16	Mt:	1.00	1.00
<b>ULTIMATE VR:</b>	69 m/s	WIND SPEED (Vsit, β):	59.65 m/s	62.79 m/s
ULTIMATE ARI:	vr_500	WIND PRESSURE (qsit, β):	2.1349 kPa	2.3656 kPa



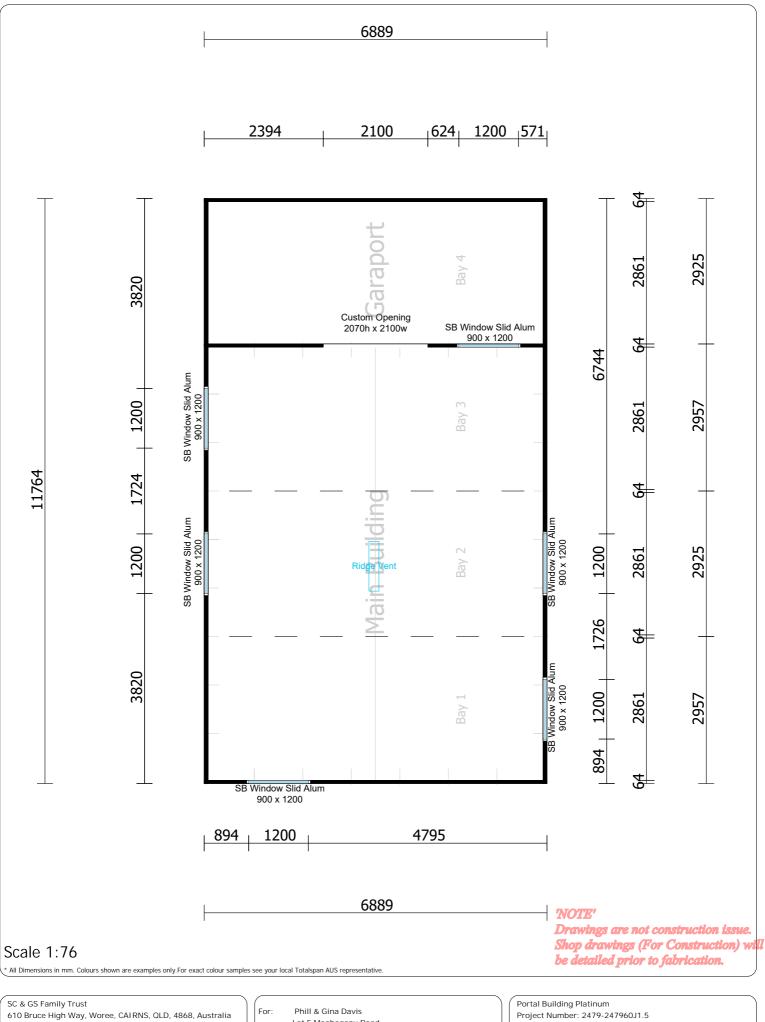
Lege	end
	T.C.1
	T.C.1.5
	T.C.2
	T.C.2.5
	T.C.3
	T.C.4

Customer Name:	Phill Davies
Site Address:	Lot 5 Maghogany Road DIWAN 4873 QLD Australia
Project Reference:	247960









Phone: 07 4054 6122 07 4054 6133 Fax:

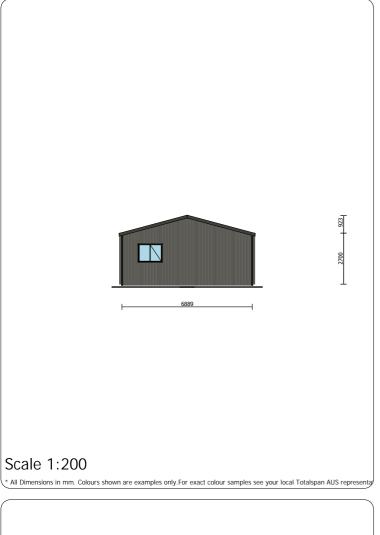
cairns@totalspan.com.au Email:

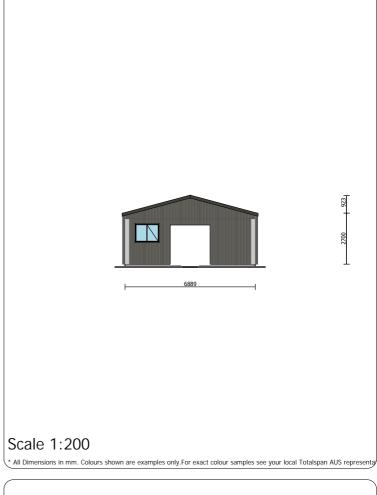
Lot 5 Maghogany Road

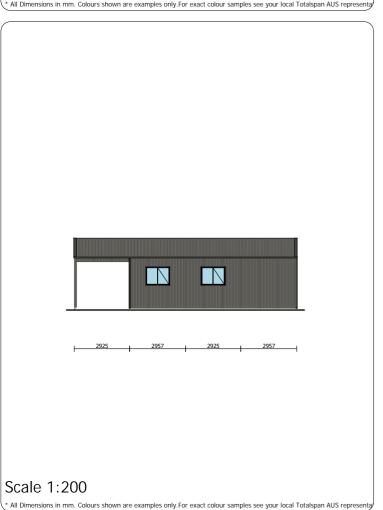
Cowbay DIWAN, QLD Australia, 4873 DP Number:

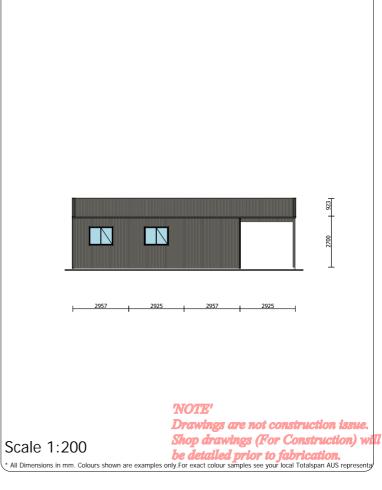
29/04/2021 Page 1 of 2











SC & GS Family Trust

610 Bruce High Way, Woree, CAIRNS, QLD, 4868, Australia

Phone: 07 4054 6122 Fax: 07 4054 6133

Email: cairns@totalspan.com.au For: Phill & Gina Davis Lot 5 Maghogany Road Cowbay

DIWAN, QLD Australia, 4873 Portal Building Platinum Project Number: 2479-247960J1.5 DP Number:

29/04/2021 Page 2 of 2



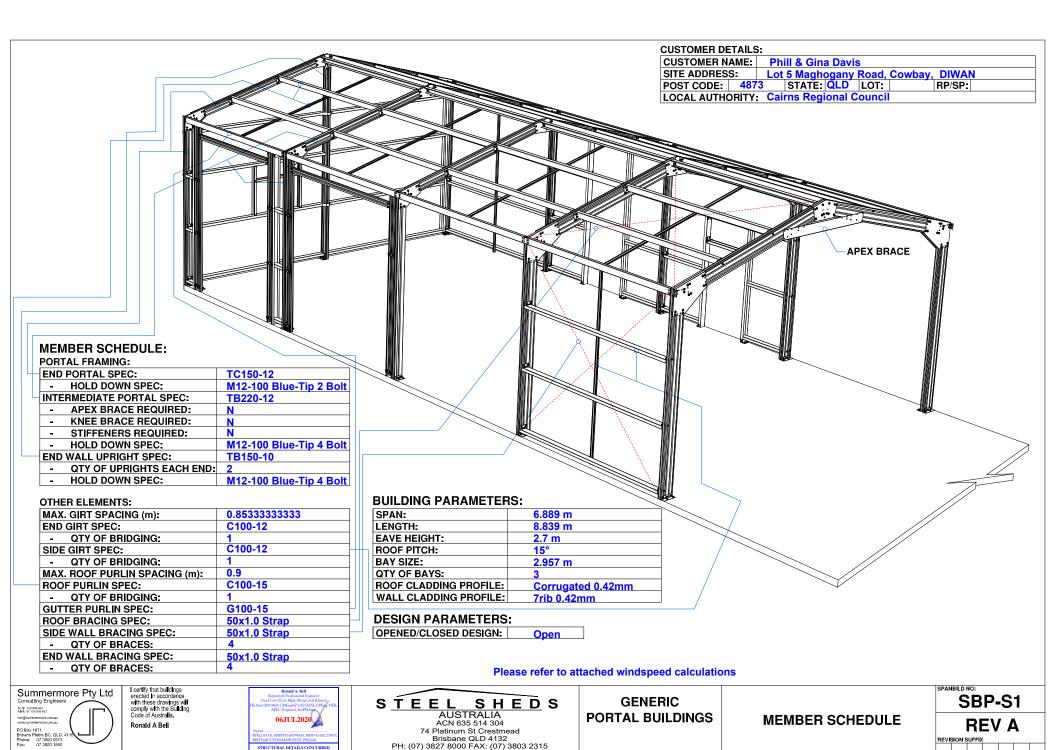


## **Department of Housing and Public Works**

## Form 15—Compliance certificate for building design or specification Version 4 - July 2017

NOTE: This is to be used for the purposes of section 10 of the Building Act 1975 and/or section 46 of the Building Regulation 2006. RESTRICTION: A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the Queensland Development Code (QDC). A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.

1. Property description	otion Street address (include no., street, suburb/locality and postcode)										
This section need only be completed if details of street	Lot 5 Maghogany Road, Cowbay, DIWAN										
address and property description	Lot and plan details (attach list if nece										
are applicable.	Lot SP/RP										
	In which local government area is the land situated?										
	Cairns Regional Council										
2. Description of component/s certified	Summermore Pty Ltd confirm that we have as detailed on the attached drawing sheets.		he Cold Fo	rmed Steel Portal Framed Shed							
3. Basis of certification	AS/NZS1170.0, AS/NZS1170.1, AS/NZS1170.2, AS3600, AS2870, AS4100, AS/NZS4600, AS4505.										
4. Reference documentation	SBP-S1 Rev.A Engineering Table SBP-S1 Rev.A Garaports SBP-S2 Rev.A General Notes and Specs SBP-S3 Rev.A Typical Connection Details SBP-S4 Rev.A Intermediate Portal Connection Details SBP-S5-S6 Rev.A Garaports SBP-S11-S12-S13 Rev.A Slabs LHL Compliance Report TS1100 SBP-S5-S6 Rev.A Garaports										
	SBP-S7 Rev.A Hold Down and Misc SBP-S8 Rev.A Uprights/Bracing	_		3000							
5. Building certifier reference number	Building certifier reference number										
6. Competent person details	Name (in full)										
	Ronald Albert BELL										
	Company name (if applicable)		Contact person								
	Summermore Pty Ltd		Ronald Bell								
	Phone no. (business hours) Mobile	no.		Fax no.							
	07 3800 0973 0438 2	88 116		07 3800 1860							
	Email address		<u>'</u>								
	ron@summermore.com.au										
	Postal address										
	PO Box 1671, Browns Plains BC, Q	ueenslan	d, 4118.								
	Licence or registration number (if a	applicable)									
	RPEQ 6715										
7. Signature of competent	Signature		Da	te							
person	Ronald A. Bell   Registered Professional Engineer   Grad Cert (Tech Mgr), BEng Civil (Hons), PEng, MIEAust (891940), CMEngNZ (1027605)     05-05-2021										
LOCAL GOVERNMENT USE ONLY	Deference M	lumbo=/o									
Date received	Reference N	umper/s									



## **GENERAL NOTES:**

THESE DRAWINGS ARE VALID ONLY WHEN ENDORSED BY A SEPARATE DESIGN CERTIFICATE THAT IS VALID FOR THE DATE OF ISSUE AND CONSTRUCTION

### GENERAL

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL DRAWINGS AND SPECIFICATIONS, ANY DISCREPANCIES SHALL BE REFERED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR BEFORE COMMENCING WORK.
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH RELEVANT CURRENT AUSTRALIAN STANDARDS, BCA AND LOCAL AUTHORITY BYLAW
- DRAWINGS SHALL NOT BE SCALED FOR ANY FABRICATION OR ERECTION DETAILS.
- AT SETOUT, DIAGONALS MUST BE CAREFULLY CHECKED TO ENSURE BUILDING IS SQUARE.
- OBTAIN NECESSARY PERMITS AND APPROVALS FROM RELEVANT AUTHORITIES BEFORE COMMENCING WORK ON SITE.
- THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION **DURING ERECTION AND NO COMPONENT SHALL BE** OVERSTRESSED. TEMPORARY ROOF &/OR WALL BRACING MAY BE REQUIRED DURING CONSTRUCTION.

- THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LOADS:
- 1.1 LIVE LOAD-0.25kpa IN ACCORDANCE WITH AS/NZS 1170.1
- 1.2 WIND LOAD CALCULATED IN ACCORDANCE WITH AS/NZS 1170.2:2011
- A WIND SPEED CALCULATOR HAS BEEN USED TO DETERMINE THE SITE WIND SPEED FOR THE FOLLOWING VARIABLES. - IMPORTANCE LEVEL
  - -REGIONAL WIND SPEED (Vr
  - -CYCLONIC FACTOR (Fc Fd)
  - -DIRECTIONAL MULTIPLIER (Md)
  - -TERRAIN HEIGHT MULTIPLIER (Mz CAT)
  - TOPOGRAPHIC MULTIPLIER (Mt)
  - SITE SHIELDING (Ms)

PLEASE REFER TO WIND SPEED SITE REPORT PROVIDED WITH THIS DOCUMENT.

### **STEELWORK**

- ALL STRUCTURAL FRAMING MEMBERS SHALL BE G550 G450 GRADE STEEL U.N.O. AND ALL CLEATS SHALL BE G450 GRADE STEEL GALVANISED TO MIN Z275, POSTS SHALL BE G450, REFER DRAWING.
- ROOF AND WALL SHEETING SHALL BE G550 GRADE STEEL PROTECTED WITH ZINCALUME AZ150.
- ROOF SHEETING CAN BE REPLACED WITH CLEAR ROOF 2400GSM PANEL FIXED TO MANUFACTURERS SPECIFICATIONS. A HIGHER GSM RATE MAY BE REQUIRED FOR SNOW AREA'S.
- PURLINS & BRIDGING TO BE EX. C100 LIPPED CRIMPED CHANNELS 0.95mm B.M.T, 1.2mm, 1.5mm OR 1.9mm B.M.T.
- ROOF CLADDING SHEET IS TO BE FIXED AS FOLLOWS: NOTE: MAXIMUM SPAN OF CLADDING AND TEK SCREW LOCATIONS FOR EACH CLADDING TYPE SHOWN ON THIS SHEET.

## REGION A & B ROOFING:

CORRUGATED 0.42 B.M.T:

FIXED WITH #12-14x35 TEKS AT EVERY SECOND CREST TO EAVE AND RIDGE PURLINS AND 2-3-3-2 PATTERN FOR INTERMEDIATE

7 RIB 0.35/0.42 B.M.T

(0.35mm B.M.T APPROVED FOR REGION A ONLY)

FIXED WITH #12-14x35 TEKS AT EAVE AND RIDGE PURLINS WITH 1 SCREW EVERY RIB AND ALTERNATE RIBS FOR ALL INTERMEDIATE PURI INS

SPANCLAD 0.42mm B.M.T.

FIXED WITH #12-14x48 TEKS AT ALL PURLINS WITH 1 SCREW EVERY

### REGION C ROOFING:

CORRUGATED 0.42 B.M.T:

FIXED WITH #14-12x55 CYCLONIC ROOF ZIPS W. BONDED CYCLONE WASHERS AT EVERY SECOND CREST TO ALL PURLINS. SPANCLAD 0.42 B.M.T

FIXED WITH #14-12x55 CYCLONIC ROOF ZIPS W. BONDED CYCLONE WASHERS AT EVERY CREST TO ALL PURLINS. WALL CLADDING SHEET IS TO BE FIXED AS FOLLOWS:

NOTE: MAXIMUM SPAN OF CLADDING, AND TEK SCREW LOCATIONS FOR EACH CLADDING TYPE SHOWN THIS SHEET.

### REGION A & B WALL CLADDING: CORRUGATED 0.42 B.M.T:

FIXED WITH #10-16x16 NEO TEKS AT EVERY SECOND VALLEY TO ALL

Summermore Pty Ltd

Consultina Engineer

Browns Plains BC, QLD, 4 Phone: 07 3800 0973 Fax: 07 3800 1860

PO Box 1671

FIXED WITH #10-16x16 TEKS AT EVERY VALLEY TO TOP AND BOTTOM GIRT AND EVERY SECOND VALLEY FOR ALL INTERMEDIATE GIRTS

### WALL CLADDING CONT.

SPANCLAD 0.35 / 0.42 B.M.T.

FIXED WITH #10-16x16 TEKS AT EVERY VALLEY TO TOP AND BOTTOM GIRT AND EVERY SECOND VALLEY FOR ALL INTERMEDIATE GIRTS TOTALCLAD 0.35/0.42 B.M.T

FIXED WITH #10-16x16 TEKS AT EVERY VALLEY TO TOP AND BOTTOM GIRT AND EVERY SECOND VALLEY FOR ALL INTERMEDIATE GIRTS REGION C WALL CLADDING:

CORRUGATED 0.42 B.M.T

FIXED WITH #14-10x20 NEO TEKS AT EVERY SECOND VALLEY TO ALL

7 RIB 0.42 B.M.T (0.35 B.M.T NOT AVAILABLE):

FIXED WITH #14-10x20 NEO TEKS AT EVERY VALLEY TO ALL GIRTS. SPANCLAD 0.35/0.42 B.M.T:

FIXED WITH #14-10x20 NEO TEKS AT EVERY VALLEY TO ALL GIRTS. NOTE: OTHER ROOF AND WALL CLADDING PROFILES MAY BE USED. REFER MANUFACTURERS SPECIFICATIONS FOR FIXING DETAILS.

- PURLINS / GIRTS FIXED TO RAFTERS/ COLUMNS/ UPRIGHTS WITH 2 M12 BOLTS W. WASHERS EACH END U.N.O. REFER RELEVANT JOINT **DETAILS**
- SCREWS CONNECTING STRUCTURAL MEMBERS TO BE WAFERTEKS No. 10/12 U.N.O MANUFACTURED BY BUILDEX (OR EQUIVALENT) WITH MIN. EDGE DISTANCE OF 9mm AND MIN. PITCH OF 18mm
- ALL STRUCTURAL BOLTS TO BE M12 G.R.4.6 U.N.O. WASHERS MUST BE USED (TYP.). WHERE BOLTS ARE USED FOR BOXED MEMBERS, BOXING SPACERS MUST BE USED. BOXING SPACERS ARE OPTIONAL AT PURLIN AND GIRT CONNECTIONS TO RAFTERS/COLUMNS/UPRIGHTS
- RIDGES, BARGES AND ALL PENETRATIONS TO BE FLASHED WITH 0.4mm ZINCALUME FINISHED STEEL.
- GUTTER AND DOWNPIPES TO BE FITTED AND DISCHARGED TO A LEGAL POINT OF DISCHARGE. SPLICE GUTTER AT CENTRE OF BUILDING. PROVIDE TWO SCREWS/RIVETS INTO EACH WEB AND SEAL WITH SILICONE.
- SERVICE HOLES

SERVICE HOLES ARE PERMITTED IN WEBS OF ALL STRUCTURAL MEMBERS, MAXIMUM SIZE AND LOCATION OUTLINED THIS SHEET. SPACING BETWEEN SERVICE HOLES FOR BE AT LEAST 100mm

STEELWORK SHALL ALL COMPLY WITH THE REQUIREMENTS OF: AS/NZS 1170.0. 1 & 2: 2002/2011 LOADING CODES

AS 4100 STEEL STRUCTURE CODES AS 3600: CONCRETE STRUCTURES

AS/NZS 4600: 2005 COLD FORMED STEEL STRUCTURE CODE AS 1562 DESIGN AND INSTALLATION OF METAL ROOFING AS 1111/1112 METRIC HEXAGON COMMERCIAL BOLTS AND SCREWS AS 2313 GUIDE TO THE PROTECTION OF IRON AND STEEL AS 3566 SELF DRILLING SCREWS FOR BUILDING & CONSTRUCTION INDS

AS/NZS 4505:2012 GARAGE DOORS AND OTHER LARGE ACCESS DOORS

### CONCRETE

REFER SLAB DRAWINGS FOR CONCRETE DETAILS, NOTES, SITE

## \_ TEKSCREW LOCATION - WALLS SHEETING PROFILE

7 RIB

MAXIMUM SPAN OF CLADDING:

TEKSCREW LOCATION - BOOF

0.35/0.42 B.M.T - ROOF 0.35/0.42 B.M.T - WALLS

	ROOF	WALLS		ROOF	WALLS
REGION A:	1200mm (900)	1200mm	REGION A:	1200mm (900)	1200mm
REGION B:	1200mm (900)	1200mm	REGION B:	1200mm (900)	1200mm
REGION C:	N/A	1200mm (0.42)	REGION C:	1100mm (880)	1200mm
1200mm (90	0) REPRESENTS	1200 INTERNAL	1200mm (90	0) REPRESENTS	3 1200 INTERN
SPANS, 900	END SPANS AT	EAVE AND	SPANS, 900	END SPANS AT	EAVE AND



	ROOF	WALLS						
REGION A:	1200mm (900)	1200mm						
	1200mm (900)							
REGION C:	1100mm (880)	1200mm						
1200mm (900) REPRESENTS 1200 INTERNAL								
SPANS, 900	END SPANS AT	EAVE AND						

**ENCLOSED** 

**BUILDINGS WITH ROLLER DOORS** 

OR BUILDINGS OPENED ON 2 OPPOSING SIDES

REGION A & B - Cpi = +0.2, -0.3

(UNLESS DOMINANT OPENING EXISTS)

REGION C - Cpl = +0.7, -0.65

EKSCREW LOCATION - ROOI

TEKSCREW LOCATION - WALL

### MAXIMUM SPAN OF CLADDING:

	ROOF	WALLS								
REGION A:	1200mm (900)	1200mm								
REGION B:	1200mm (900)	1200mm								
REGION C:	1100mm (880)	1200mm								
	1200mm (900) REPRESENTS 1200 INTERNAL									
SPANS, 900 END SPANS AT EAVE AND										
RIDGE.										

## SHEETING PROFILE

MAXIMUM SPAN OF CLADDING:

ROOF

**REGION A:** 1200mm (900) 1200mm

**REGION B:** 1200mm (900) 1200mm

REGION C: 1100mm (880) 1200mm

SPANS, 900 ÉND SPANS AT EAVE AND

1200mm (900) REPRESENTS 1200 INTERNAL

TEKSCREW LOCATION - ROOF

152.5

**SPANCLAD** 0.35/0.42 B.M.T - WALLS

WALLS

TOTALCLAD 0.35/0.42 B.M.T

MAXIMUM SDAN OF CLADDING

TEKSCREW LOCATION - WALLS

WIAMINION O	AN OF OLAD	31110.
	ROOF	WALLS
REGION A:	N/A	1200mm
REGION B:	N/A	1200mm
REGION C:	N/A	N/A



C100-10 C100-12 C100-15

**NESTING CHANNEL** SERVICE HOLE LOCATION AND MAX.

TYPICAL CRIMPED LIPPED

NC100-10

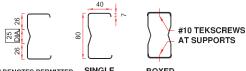
NC100-19

- WALLS

## (0.95, 1.2, 1.5 & 1.9 BMT

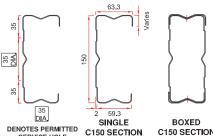
SINGLE

### C100 SECTION NC100 SECTION



25 DENOTES PERMITTED SINGLE BOXED
SERVICE HOLE TYPICAL CRIMPED LIPPED
LOCATION AND MAX. CHANNEL SECTION CHANNEL SECTION

## C80x40 SECTION

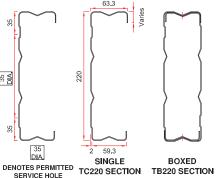


DENOTES PERMITTED SERVICE HOLE LOCATION AND MAX

TYPICAL TC150 CRIMPED LIPPED CHANNEL SECTION TC150 - 10 TC150 - 10 SINGLE TC150x1.0 B.M.T TC150 - 12 SINGLE TC150x1.2 B.M.T

TC150 - 15 SINGLE TC150x1 5 B M T BOXED TC150x1.0 B.M. BOXED TC150x1.2 B.M. TB150 - 15 BOXED TC150x1.5 B.M.T

## TC150/TB150 SECTION



TYPICAL TC220 CRIMPED LIPPED CHANNEL SECTION TC220 - 12 SINGLE TC220x1.2 B.M.T TC220 - 15 SINGLE TC220x1.5 B.M.T TC220 - 19

SINGLE TC220v1.9 B.M.T. BOXED TC220x1.5 B.M.T TB220 - 19 BOXED TC220x1.9 B.M.T

TC220/TB220 SECTION

# SBP-S2

**REV A** 

DOMINANT OPENING

ANY BUILDINGS THAT ARE 3 SIDED AND HAVE PERMANENT

OPENINGS ARE CONSIDERED TO HAVE A DOMINANT OPENING

BUILDINGS WITH 2 ADJACENT SIDE/END WALLS ENCLOSED ALSO

**FALL INTO THIS CATEGORY** 

REGION A, B & C - Cpe/Cpi = +0.7, -0.65

ACN 635 514 304 74 Platinum St Crestmead Brisbane QLD 4132 PH: (07) 3827 8000 FAX: (07) 3803 2315

**GENERIC PORTAL BUILDINGS** 

AND SPECIFICATIONS

## comply with the Building Code of Australia Ronald A Bell

I certify that buildings Ronald A. Bel with these drawings will

## STEEL SHEDS AUSTRALIA

**GENERAL NOTES** 

62 APPROX

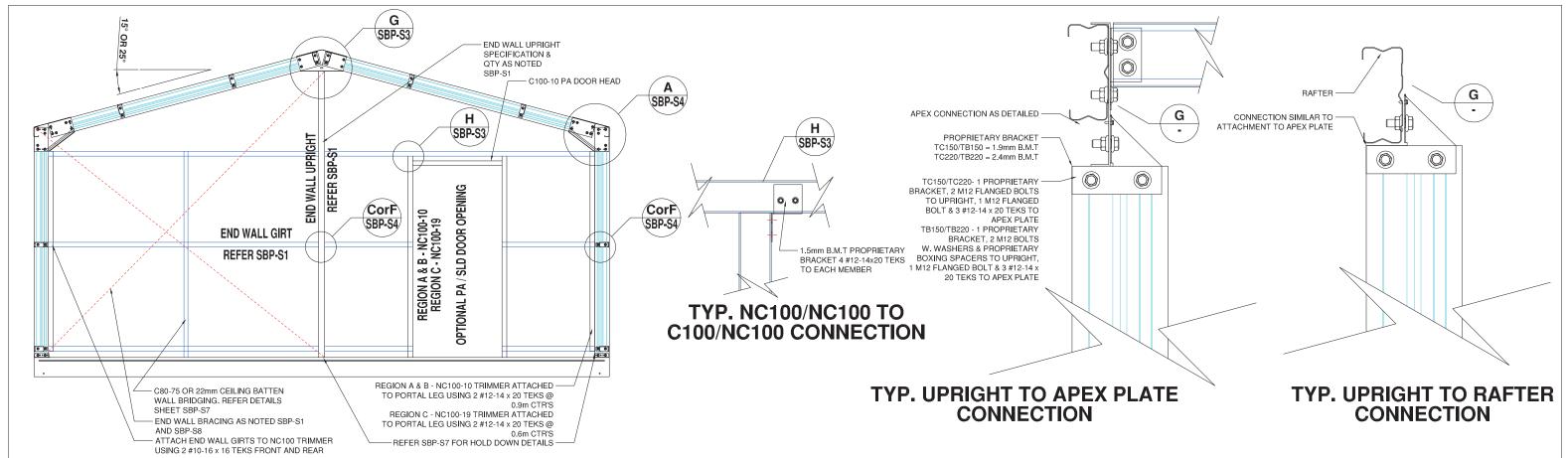
22mm BATTEN 0.42mm B.M.T (REGION A & B)

22mm BATTEN 0.55mm B.M.T (REGION C)

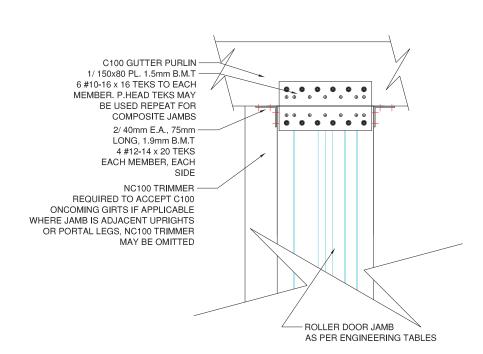
22mm BRIDGING BATTEN

REVISION SUFFIX

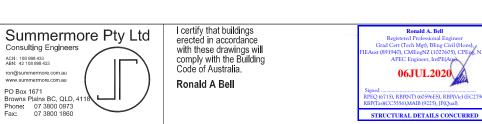
STRUCTURAL DETAILS CONCURRED



## TYPICAL END PORTAL



# TYP. ROLLER DOOR JAMB TO GUTTER PURLIN CONNECTION



## S TEEL SHED S AUSTRALIA

AUSTRALIA
ACN 635 514 304
74 Platinum St Crestmead
Brisbane QLD 4132
PH: (07) 3827 8000 FAX: (07) 3803 2315

# GENERIC PORTAL BUILDINGS

TYPICAL CONNECTION DETAILS

ATTACH JAMB TO APEX PLATE LISING 2

TRIANGULAR GUSSET PLATE 0.95mm B.M.T TO RAFTER, 6 #12-14 x 20 TEKS TO EACH MEMBER REPEAT FOR COMPOSITE JAMBS

- ATTACH JAMB TO APEX PLATE USING 2 40mm E.A., 55mm LONG, 1.9mm B.M.T AND 3 #12-14 x 20 TEKS TO EACH

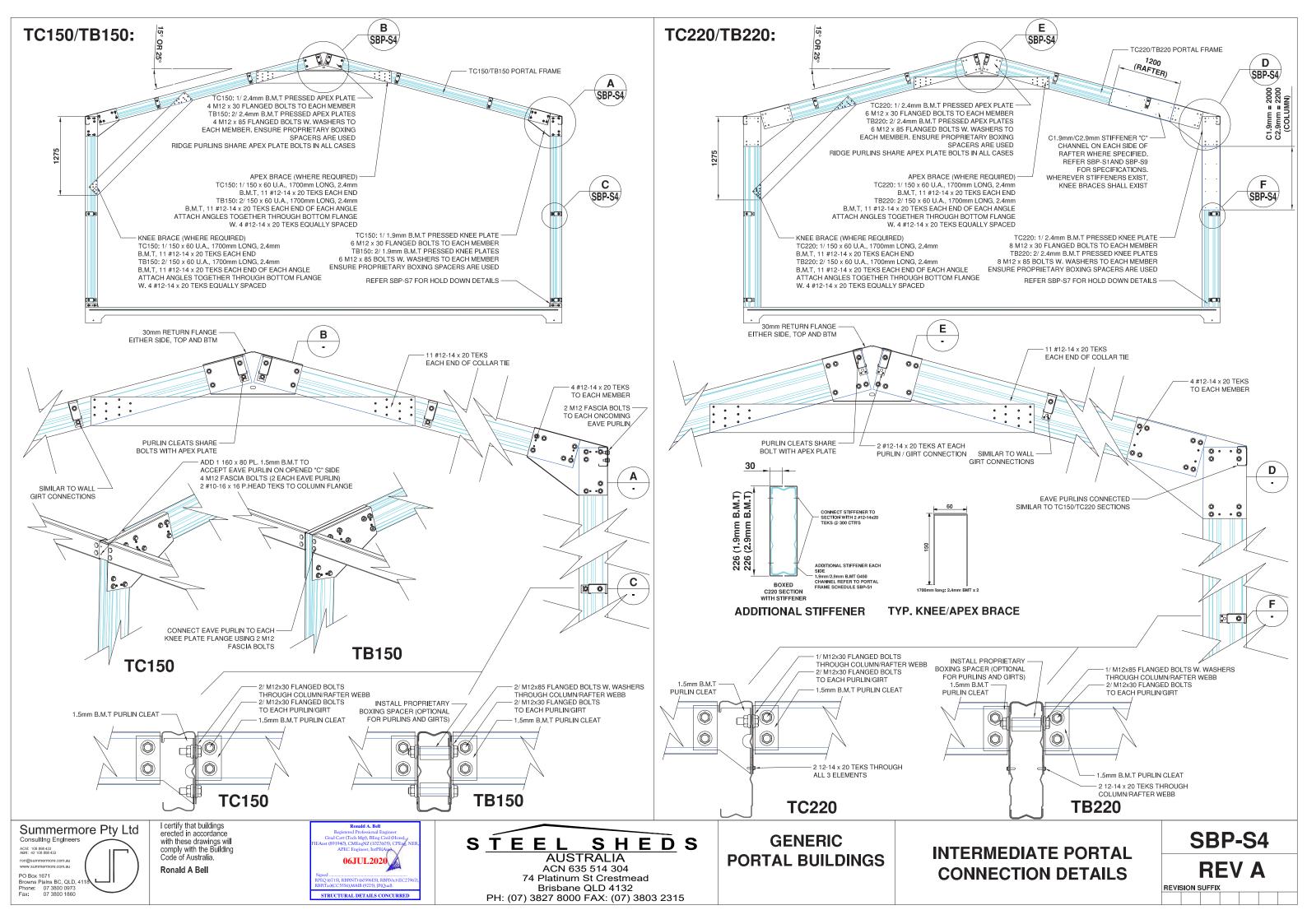
TRIANGULAR GUSSET PLATE 0.95mm B.M.T TO RAFTER. 6 #12-14 x 20 TEKS TO EACH MEMBER

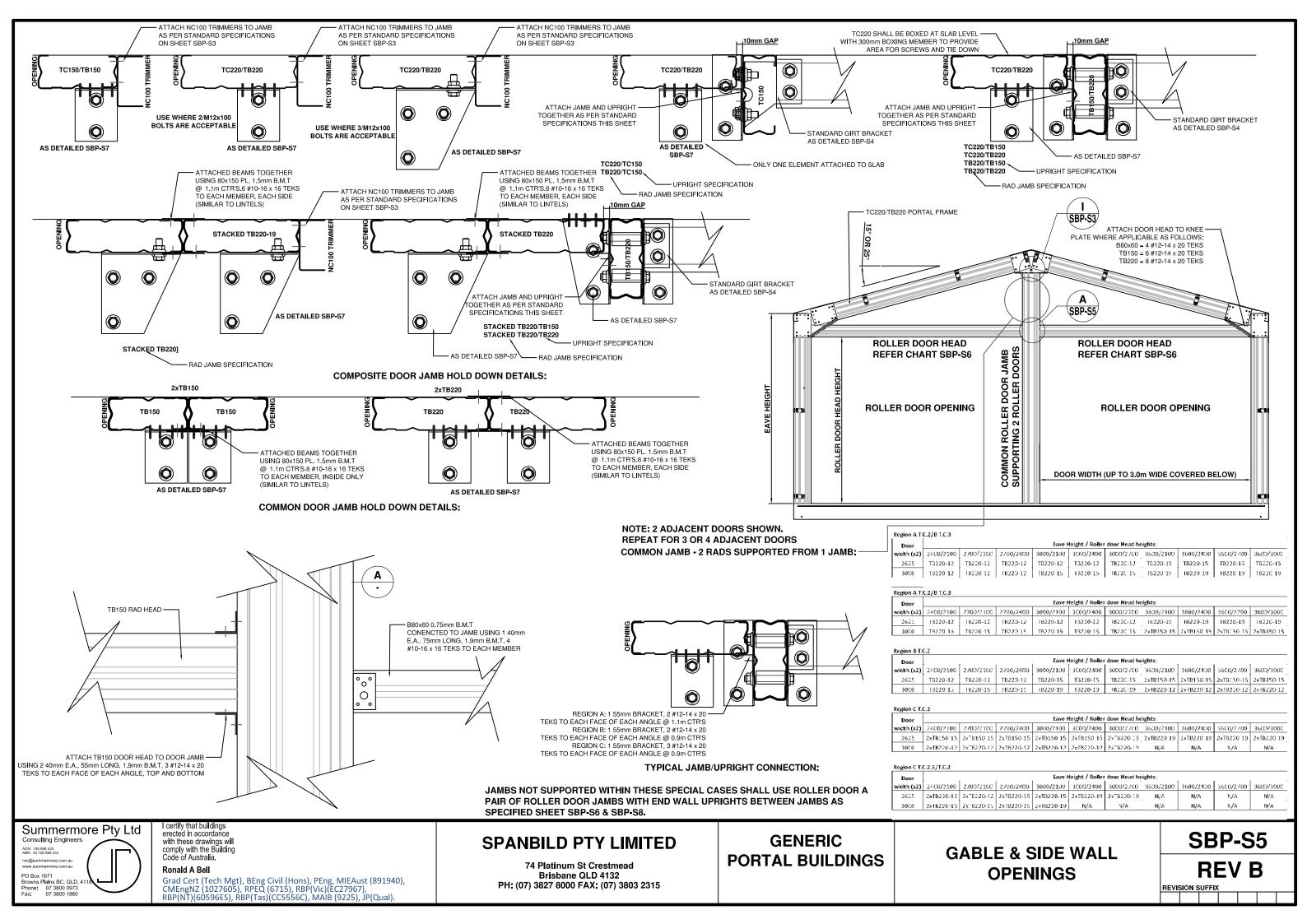
FACE OF EACH ANGLE

40mm E.A., 55mm LONG, 1.9mm B.M.T

AND 3 #12-14 x 20 TEKS TO EACH FACE OF EACH ANGLE

> SBP-S3 REV A





GABLE WALL Region A T.C.3										SIDE WALL Region A T.C3									
					Roller de	or Head heights:									Raller door He	ead heights:			
Door width	2100	2400	2700	1000	3600	420%	4560	4800	5100	Door width	2100	2400	2 /00	3000	3600	4205	4500	4800	5100
2100 2400	TC150 10 TC150 10	TC150 10 TC150 10	10150 10	FC150-12 FC150-12	1C220-19 1B220-12	19220 12 18220 12	18220-12 18220-15	1 1220 15 13220 19	9220 19 19220 19	2100	TC150-10 TC150-10	TC150-10 TC150-10	IC150 10 IC150 10	10150 12 10150 12	IC220 12 IC220 19	18220-12 18220-12	18220 12 18220 12	10220 12 18220 12	B220 T5 B220 T9
2700	TC150 10	TC150 III	101 sn 12	10150 15	18220 12	18220 12	16220-15	10220 19/10150 15	10220 19750 150 15	2700	TC150-10	TC150-10	IC150 10	IC150 L1	10220 19	11/220 12	10220 12	18220-15	B220 19
3000	TC150 10	TC150 1U	10150 12	18150 10	18220 12	18220 15	18220 19	ICXXU 19/IC150 15	10220 19/10190 15	3000	rC150-10	10150-10	IC15U 10	10156 15	19220-12	10220 12	10220 12	18220-15	10220 19/10150 15
3300	TC150-10	TC150-17	10.156-15	IB150-19	IR220 12	FR770 15	18220-19	10220 19710150 15	10220 19/10150 15	3300	rC150-10	10150-10	IC150-12	18150-10	IB220 12	18220 12	18220-15	18720-19	10220 19/10150 15
3600	TC150-10	TC150-12	10150-15	18150-10	10220-12	18220-15	18220-19	10.220/19/10150/15	10220/19/10/150/15	3600	rC150-10	10150-10	R 150 12	191,50,10	10229 12	19220-12	10220-15	102ZU 19	16220 19/00150 10
3900	TC150-10	TC150-12	101.a0 15	TB150-10	18220 12	IB220 19	TC220 19/10150 15	10220 19/10150 15	RC220 19/18150 10	3900	rC150-10	10150-12	EC150-15	18150-10	18220-12	18220 15	19220-19	18220-19	EC220 19/18150 10
4200	TC150-10	TC150-15	1.71.20.10	IB156-13	18720 12	18220-19	10000 10/ 0150 15	10220 19/10150-15	1C220 197/B150 10	4200	C150-10	10150-12	IC150-15	1975-010	IB220 12	11020-15	11/220-19	10220 19713150 10	10220 197/18150 10
4500	TC150-12	TC150-15	13150 10	18150 10	18220-12	18220 19	TC220 19/ C150 15	TCXXU 19/1 J150 10	TC220 19/18150 15	4500	. IC150-10	10150-12	IC150 15	19150-10	10220-12	18220 15	18220 19	10,220,19/1,1150,10	TC220 19/19150 12
4800	TC150-12	TC150-15	131 10 10	IB150-10	18220 15	10770 19/10150 15	IC220 19/10150 15	10220 19/14150 10	IC220 19/18150 15	4800	(C150-12	10150-15	IC150-15	18150-10	18220-12 10220-12	18220 19 18220 19	18270-19 10220-19718150-10	1C220 19/14150 LC	10220 19/18150 12
5100	10150-12	IC150-15	17170 10	0050 12	10020-15	16,220 19/10 150 15	TC 220-19/-B150-16	10.220 T9/1 (150 TC	TC220 197:RT50 T5	5100	TC150-12	10150-15	IC150 15	19 50 10	10225 12	10220 15	1 10220 157/18/20 10	10220 1971 4150 12	TC220 197:R150 15
Region A   C 2   Region B 1.C.3 (	(ps)				Koller de	or Head heights:				Region A I.C.2 / Reg	on B f.C.3 (ps)				Roller door He	ead heights:			
Door width	2100	2400	2700	1000	3600	4700	4500	4800	5100	Door width	2100	2400	2/00	3000	3600	4700	4500	4800	5100
2100	10150-10	IC150-12	10150-12	10150/15	00220 (2	18220-12	10220-15	1 (220-19	TC220 1970 T50 T2	2100	TC150-10	TC150-10	00150/10	IC 50 Lx	(C220-19	11/270-12	10220-12	10220-12	10220-15
2400	10150-10	IC150-12	TC1.30-15	FC150-15	IB220 12	IB220 15	18220 19	TC220 19/TC150 12	18220-12/10150-10	2400	TC150-10	TC150-10	IC150 12	TC156 15	10220 19	18220 12	18220 12	18220-15	18220 19
2/00	10150-10	IC150-15	10156-15	18156-10	IR220 12	18220-15	HI220 14	10220 10710150 15	18220 12/1C150 1a	2700	TC150 10	TC150 12	IC150-15	IC150 15	IB220 12	11070 17	18220-15	18220-19	18220 10
3000 3300	1C150-12 1C150-12	(C150-15	10150-15 13150-10	19150-10 18150-10	10220 12 18220 12	18220 19 18220 19	10220 19/ 0150 15 10220 19/10150 15	10220 19/10150 15 10220 19/13150 10	18220-12/10150-10 18220-12/10150-12	3000	TC150 10 TC150 12	TC150 12 TC150 15	18150 10	19150-10 19150-10	HEZZU 12 HEZZU 12	18220 12 18220 15	18220-15 18220-19	10220-19 10220-12/10150-15	10220 19/10150 15 10220 19/10150 15
3300	TC150-12	TB150-10	1 11 30 10	18190-10 18190-10	18220-12 19220-15	16220 19/10 150 15	10220 19/10150 15 10220 19/10150 10	10220 19714150 10	18220 12/10150 12 18220 12/10150 12	3500	TC150 12	TC150 15	18150 10	19:30:10	18220-12	10220 15	HI220 19	10220 15/10150 15	10220 19/10150 15 10220 19/10150 10
3900	TC150-15	TB150-10	131.50.10	18150 TO	18220 15	10220 19/10150 15	10220 19/18150 10	10220 1971 4150 12 10220 19714150 12	18220-12/10150-12 18220-12/10150-15	3900	TC150 12	TC150 15	18150 10	18150 10	19220-12	10220 19	18220 19	TCXXU 19/1 H50 10	IC220 19/18190 10
4200	TC150-15	TB150-III	13150.10	IB150-10	IR220 15	16220 19/10150 15	10220 19/18150 19	10220 19/13150 12	18220 12/10150 15	4200	TC150 12	TC150 15	18150-10	13150 10	IB220 12	10220 19	IC220 19/IC150 15	10220 19/13150 10	10220 19/18150 10
4500	TC150-15	TB150-1U	1 950 10	18150 TO	10220 15	16220 19/10/150 10	10220 19/19150 12	TCZ20 19/1 H50 15	18220 12/18150 10	4500	TC150 15	TC150 15	10150 10	180.50,10	10220-12	18220 19	10220 19/10190 19	10,220,19/1,0150,10	16220 19/10150 12
4800	TC150-15	TB150-11)	131.aG 10	IB150-12	18220-19	TC220 19/18150 10	TC220 19/18150 12	10220 19/14150 15	18220-12/18150-10	4800	TC150 15	TB150 10	18150-10	18150-10	IR220 12	18270 19	IC220 19/18150 10	10220 19/14150 10	10220 19/18150 12
5100	TC150-15	TB150-III	17170.13	18156 D	18220 En	16220-19/10150-12	1C220 19/ IMBO 15	10220-19/13150-15	18220-127/B156-16	5100	TC150 15	TB150 10	IBISO TO	Ot 5c 71	18270-15	11/220 19	IC220 19/18/150-16	10220 19/13150 12	TC220 157(B150 15
Region 3 T.C.2					n_8 - 3-	as Mand balabter				Region 3 T.C.2					n=n== d>== **.	and haloles.			
Door width	2100	2400	2/00	. 4000	Roller de	or Head heights: 420:	4500	4.600	L 5100	Door width	2100	2400	2.700	3000	Holler door He	ead heights: 4200	4500	4800	5100
2100	TC150 12	TC150 15	13150.10	18156 12	18220 12	10220 19/10150 12	1C226 19/10150 15	10220 19/13/50 10	18220 1271CHW 12	2100	TC150-10	TC150-12	1C150 15	15V 50 10	1B220 12	11020.15	19220-19	10220 10/10150 12	10220 19/10150 15
2400	TC150 15	TC150 15	1 9120 10	IB150-15	18220 15	10220 19/10150 15	10,220 19/18150 10	10220 19/1 0150 12	18220 12/10150 15	2400	TC150-12	TC150-15	19150 10	19150-10	18220-12	10220 19	18220 19	10220 19/10150 15	18220-12/10150-10
2700	TC150 15	TB150 ID	131 40 10	TR156-15	18220 10	10220 19/18150 10	TC220-19/18150-12	IR220 12/10/150 15	18220 12/18150 10	2/00	rC150-15	10150-15	IBTSO TO	18150-10	18220-12	18270 19	IC220 19/IC150 15	18220 12/1C150 LC	18220-12/10150-10
3000	TC150 15	TB150 (U	1 (150-12	08150-15	00220 19	16220/19/10/150/12	10220-12/-0150-12	10220-12/10150-15	18220-12/38150-10	3000	rC150-15	18150-10	IRIS0 10	18 50 12	00229-15	10220 19	10220-19708199-10	10220-12/10150-10	18220-12/3C150-10
3300	TB150 10	TB150 1I)	131.aG 15	IB150-15	18220 19	TC220-19/1915B-12	18220-12710150-15	18220 12/14150 1G	18220-15/18150-10	3300	rc150-15	18150-10	H150-10	18150 15	18220-19	IC220 19/ III50 10	10.220 19/18150 10	1822U 12/10150 1G	18220-12/10150-12
3600	TB150 10	TB150 IN	13150.15	TR226 12	IC220 19/16/50 10	TC220-19/10150-15	HI020 12/10150 15	IB220 12/13150 LC	18220 PS/18150 12	3600	. (€150-15	18150-10	IBISO ID	19750 15	IB220 15	10220-19/-10150-10	IC220 10/18150 16	IN220 12/10150 L2	18220 12710150 15
3900	TB150 10	TB150 12	1 (150 15	19220-15	10220 19/19:50 10	16220 12/10150 12	18220 12/ 8190 10	10220 12/13/50 12	18220 19/18190 12	3900	TB150-10	TB150-10	1815U TZ	18150-15	HAZO 19	1C220 19/ III150 12	IC220 19/18150 15	18220 12/1C150 12	18220 12/18150 10
4200 4500	TB150 10 TB150 10	TB150 17	131 (0.19	FB770 15	IC220 19/18: sc 12	182 <b>7</b> 0 1 <b>2</b> /10150 15	18220 12/18150 19	IR220 12/14/50 15	18270 15/18150 15	4200 4500	TB150-10	TB150-10	18150 15	19150-15	HI220 19	IC220 19/ I/150 12	1C220 19/18150 15	18220-12/1C150-15	18270 12/18150 10
4500	TB150 10	TB150 15	1 (220-12)	08220-15 08220-19	10220 19700 50 12 10220 19718150 15	18220 12/10/150 15 18220 12/18150 10	18220-12/-8110-12 18220-12/18120-12	10220-1271-4150-15 18220-1271-4150-15	18220 15738150 15 18220 19738150 15	4500	TB150-10 TB150-10	TB150-10 TB150-10	00150 15 00150 15	19 90 15 19220 12	(0220-19 (0220-19/03150-10	(C220-19/-)(150-12 (C220-19/-)(150-15	10220 1974815 9 15 18220 12710150 12	0/220 12/16150 15 0/220 12/14150 1G	18220-12/18150-10 18220-12/18150-12
5100	TB150 10	TB150 15	13220 12	18720 10	IC220 19/18: 50 15	18220 12/18/50 10	IB220 12/ B150 15	IB220 15/14150 15	18220 19/18150 15	5100	TB150-10	TB150-10	IB150-15	18220 15	10220 19718:50 10	16220 19/10150 15	18220 12/1C150 15	18220 12/14150 to	18220 12/18150 15
Region C T.C.3										Region C T.C.3		_							
Door width	2100	2400	2700	3000	Roller de	or Head heights: 4200	4500	4,00	N100	Door width	2100	2400	2700	3000	Roller door He 3600	ead helghts: 4200	4,00	4400	\$100
2100	TB220-12	TB220-12	13220 12	IB220 12	18220 CO	18770 19	HI220 19/18150 15	Stacked L3220 12/10/50 10		2100	TB150 12	TB150 12	18150-15	13220 12	18220 19	16720 19/ 10150 12	Started 18270-12	Stanked 18220-15	Stacked 18220-15
2400	TB220-12	TB220-12	1 (220 12	18220-12	10220-15/1C: 50-10	16220 19/10/50 15	Statelest 19220-12/10150-10	50/cked (4220-15/10050-10	Stacked (6220/12/18150/10	2400	TB150 12	TB150 15	19150 15	18220 15	10229 19	18220 197 14150 15	Stac ord 18220-19	Stacked 18220-15	56/cked 102.20 15
2 / 00	18220-12	18220-17	13270 12	FB770 15	18220-19/10: 50-15	Sincked (B220-12/10)50-10	Stacket 18220-12/10150-10	Stanford 13220-15/10050-12	Stacked 16 <b>220</b> 15/18150 10	2700	TB150 12	TB150 15	18270-12	18220 1.1	IB220 19/IBC50 12	Sinc ced 18220-12	Stacket 18220-15	Stanked 18220-19	Stacked 16220-19/10150-10
3000	18220-12	18220-12	1 (220-12	18226-15	16220-1971C:50-15	Stricked IB226 12/10150-10	564ck kt Htt226 12/10150 15	56 (ked 1 \alpha 20 15/10 50 15	Stricked 15220-157 B150-10	3000	TB150 15	TB150 15	IB220 15	19220-15	18220 1971B3 50 15	Star, and 18220-12	Star, and 11(220-15)	Stacked 10220 1971C150 10	Stacker: 6220 19/ 1150 10
3300	18220-12	IB220-12	1 9220 15	19220-10	1982U 197BC5G 15		5facked 18220 15/10150 12	Stacked 13220 15/18150 10	Stacked - B220-15/19150-12	3300	TB220 12	TB220 12	1H2ZU 15	18220 19	Stacked 18220-12	51 to ked 19229-15	5thcsed 18220-19	5Grcked 18820-19/10150-10	· ·
3600	18220-12	IB220-17	13720 15	FR726 10	Stocked IR220 12		Stack of 18220-15/10150-15		Stacked 16220-19/18150-12	3600	TB220-12	TB220-15	18720 15	18220-10	Starked 18220-12	Star 6rd 18220-15	Star and 18220-19		Stacked 16220-19/10150-15
3900	18220-12	18220-12	1 (220-15	10220 15/ B150 12	56 cked 10.020 1.2		Stacked H0220 Ts/10150 Ts		Stacked 6220 19/ 8110 15	3900	TB220-12	TB220-15	10220 19	1 0220 19/10150 10	Stacked IDZZU 1Z	Stac and 18220-15	564cked 18220 19/10150 10		Stricked (6220/19/18150/15
4200 4500	18220-12	18220-12	1 32 20 15	16220-197-0150-15 16220-197-8150-10	Stacked 18220-12 Stacked 18220-12		= 565cket 18220 15/18150 10 Stacket 18220 15/18150 12		Stacked 16220 19/18150 15 Stacked 16220 19/18150 15	4200 4500	TB220-12 TB220-12	TR220-15 TR220-15	18220-19 18220-19	1-3220 19/18/140 12 1-3220 19/18/140 15	Stacked IB220-15 Stacked IB220-15	Sinc ord 18220-15 Star ord 18220-15	Stacked 18220 19/10150 10 Stacked 18220 19/10150 10		Stacked 16220 19/18150 15 Stacked 16220 19/18220 19
4500	18220-12 18220-12	FB220-15	1 3220 19	18220 197 B150 12	56/cked 18220-12		515669 18220 15/18150 12		Stacked 6220 19/19220 19	4800	TB220-12	TB220-15	19220 19	13220 19/18150 15	Stacked 18220-15	5tac ord 18220-19	Stacked 18220 19/10150 10		Stricker 6220 19/19220 19
5100	18220-12	IB220-15	13220 19	18220 197 8150 12 . 18220 197 8150 12	Stacked 18220 12		Stack of 18220 197 B150 12		N/A	5100	TB220-15	18220-19	18220 19	1 9220 19/18/150 15	Stacked IB220 15	Star end 1822/1-19		5 Stacked B220 19/18/20 19 5 Stacked B220 19/18/220 19	•
Region C 1.C.2.5 & 1.C.2										Region C I C 2.5 & I	.C.2								
	74.0-	240	1			or Head heights:		1				2400	1		Roller door He	-	1	1	
Door width 2100	2100 TB320-12	2400 TB220-17	13220 15	3090 FB220 15	360U	4200 Stacked 18220 15	4500 Star cee 18 <b>27</b> 0-19	5tocked   3220   15/10:50 10	5100 SEVERAL 18220 18/10180 18	Door width	. 2100 (B150-15	2400 _	2700 18220-15	3000 18220-19	3600 IB220 197/BC50 15	4200 Stacked 18220-12	4500 Started 18270-15	4×00 Starked 18220-15	5100 Stocked 18220-19
2100	TB220-12 TB220-12	TB220-17	1 3220 15	18220 15 18220 15	18220-197185 sc 1s 10220-19703220-19	Stacked 18220-19	Stack of 18220-15/10150-10	Stacked (3220-15/10:50-10	Stacked 18220 15/10150 15 stacked 18220 15/18150 15	2100 2400	FB150-15	18220-12 18220-15	06220 15	19220-19	50 Cked 18220 12	Stacked 18220-12 Stacked 18220-15	Star cell 18220-15 Star cell 18220-15	Stacked 1B220-19	Stacked 18220-19
2700	TB220-12	TB220-15	13220 15	FH2.20-10	Stricked 18220 15	Stricked (B220 15/10150 10	51-rek-rd 18220 19/10150 10	Straked   3220 19/13150 10	Stacked 18220 19/18150 15	2/00	FB220-12	18220-15	1822b 19	19220 19718120 19	Stacked 18220-12	Stroked 18220-15	Stacked 18220-19	Stacked 18220 19	Stacked 18220 19/18150 15
3000	TB220-12	TB220-15	13220 10	16220 10/ 0150 15	Star kod 18220 (h	Stroked (B226 Ps/IC150-15	Stack of 18220 1971C150 10	Stacked F3220 19/18/50 15	Stacked 18220 19/18220 19	3000	FB220-12	18220-15	18220 19	13220 19/10 50 15	Starked 18220-12	Star and 18220-15	Star and 18220-19	Stacked IB220 19/IB150 12	N/A
3300	TB220 12	TB220 1₺	13220 19	18220 19/ 8150 15	Stacked 19220-19	Stricked (8220-15/10150-15	Stricked 18220 19/10150 15	Stacked   1220   19/19220   19	N/A	3300	FB220-15	18220-19	16220 19/10150 10	Stacked 18220-12	Stacked 10220-15	5th cod 18020-19	Stacked 18220 19/18150 15		N/A
3600	TB220 15	TB220 11)	18220-19/10150-12	Stacked (B220-12	Stacked IR220 10	Sincked (B220-19/14050-10	Stacket (B220-19/18150-19	N/A	N/A	3600	TB220-15	TB220-19	182 <b>2</b> 0 19/18150 15	Stacked 18220-12	Stacked 18220 Ps	Slackett 18220-19	Stocked 18220-19/18220-19		N/A
3900	TB220 15	TB220 [1]	10 <b>220</b> 1970(150 - 5	Stacker (B220-12	56 (ked 10220 - 3	Stricked HQ20 1971 (150-15		N/A	N/A	3900	TB220-15	TB220-19	Stacked 19220-12	Stacked 18220-12	Stacked 18220-15	Stacked 18220-19/10150-10	N/A	N/A	. N/A
4200	TB220 15	TB220 19	18220 19/19150 15	Stacker 19220-12	Sarcked (8220-15/10150-10	Stricked 18220-19/1315U-15	51nck.d 18220 19/18220 19	N/A	N/A	4200	TB220-15	TB22D-19/TC150-10	Stacked H229 12	Slacked 18220-12	Stacked 18220-15	Sincked 18220 19/18150 15	N/A	N/A	N/A
4500 4800	TB220 15 TB220 15	TB220 19 TB220 19	18220 19/18220 19 Stacked 18220 12	Stacker 18720-15 Stacker 18220-15	5 ar ked 18220-15/10150-10 5 arked 18220-19/10150-12	Stricked (B776 19/14/50 15 Stricked (B776 19/14/70 19	N/A N/A	N/A N/A	N/A N/A	4500 4800	TB220-15 TB220 19	TB220-19/TC150-15 TB220 19/TB150 12	Stacked 18220-12 Stacked 18220-12	Stacked 18220-12 Stacked 18220-15	Stanked 18220-19 Stanked 18220-19	Stacked 18220-19/18150-15 N/A	N/A N/A	N/A N/A	N/A N/A
5100	TB220 15	TB220 11)	Starford 18220-12	Stacker 18220 15		Stricked (B220 19/13220 19	N/A	N/A	N/A	5100	TB220 19	TB220 19/TB150 15	Stacked 18220-12	Slacked 18720 15	Stacked IB220 19	N/A	N/A	N/A	N/A
GABLE WALL										SIDE WAL	.L								
ROLLER DOOR		IVI SPECIF			T		1					AB (RAD JAME	,		r		r		
Region A T.C			Region B T.C.2		Region C T.		Region C T.C.			gion A T.C.2/B T.C	2.3		Region B T.C.2		Region C T		_	ion C T.C.2.5/T.C.2	
RAD Head H			RAD Head Heis	alak.	RAD Head I	La Carla A .	RAD Head He	in he.	I I I DA	D Head Height:			RAD Head Height:		RAD Head	Liniales.	I DAD	) Head Height:	

																	Willia. G	II OI AIN	OHOHO I	O OLAD (	I IAD OANL	55).											
	Region A 1	T.C.2/B T.C.3			Region B 1	T.C.2			Region C T.C.3					.C.2.5/T.C.2				Region A T.C.2/B T.C.3		Region B T.C.2				Region C T.C.	3			Region C T.C.2	2.5/T.C.2				
	RAD Head	l Height:			RAD Head Height:			RAD Head Height:				RAD Head Height:				RAD Head Height:			RAD Head Height:			RAD Head Height:				RAD Head Height:							
Door wid	th 3000	0 3600	420	5100	300	0 3600	4200	5100	3000	3600	4200	5100	3000	3600	420	510	0 Door wid	h 3000	3600	4200	5100	3000	3600	4200	5100	3000	3600	4200	5100	3000	3600	420	5100
2100	B80x60	B80×60	B80x60	B80x60	B80x60	B80×60	B80x60	B80×60	B80×60	B80x60	B80×60	B80x60	B80×60	B80x60	B80×60	B80x60	2100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	3/M12x100	3/M12x100	3/M12x100	4/M12x100	4/M12x100
2700	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	2700	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	3/M12x100	2/M12x100	3/M12x100 ]:	3/M12x100	3/M12x100	3/M12x100	3/M12x100	4/M12x100	5/M12x100
3000	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80x60	B80×60	B80x60	B80x60	B80x60	B80x60	B80x60	3000	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	3/M12x100	3/M12x100	3/M12x100	3/M12×100	4/M12x100	4/M12x100	4/M12x100	5/M12x100	5/M12x100
3600	B80x60	B80×60	B80x60	B80×60	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	3600	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	3/M12x100	3/M12x100	3/M12x100	3/M12x100	3/M12x100 ]	4/M12x100	4/M12x100	4/M12x100	5/M12x100	5/M12x100	6/M12x100
4200	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	N/A	4200	2/M12x100	2/M12x100	2/M12x100	2/M12x100	2/M12x100	3/M12x100	4/M12x100	4/M12x100	3/M12x100	4/M12x100	4/M12x100	5/M12x100	4/M12x100	5/M12x100	6/M12x100	J N/A
4800	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-10	TB150-12	TB150-12	TB150-10	TB150-10	TB150-12	TB150-12	TB150-10	TB150-10	N/A	N/A	4800	2/M12x100	2/M12x100	2/M12×100	3/M12x100	2/M12x100	3/M12x100	4/M12x100	4/M12x100	3/M12x100	4/M12x100	4/M12x100	5/M12x100	5/M12x100	6/M12x100	N/A	N/A
5100	TB150-10	TB150-10	TB150-10	TB150-10	TB150-12	TB150-12	TB150-12	TB150-12	TB150-12	TB150-12	TB150-12	TB150-12	TB150-10	TB150-12	N/A	N/A	5100	2/M12x100	2/M12×100	2/M12x100	3/M12×100	3/M12x100	3/M12×100	4/M12x100	4/M12x100	4/M12x100	4/M12x100	5/M12×100	6/M12x100	5/M12x100	6/M12x100	N/A	N/A

Summermore Pty Ltd

PO Box 1671 Browns Plains BC, QLD, 41 Phone: 07 3800 0973 Fax: 07 3800 1860

I certify that buildings erected in accordance with these drawings will comply with the Building Code of Australia.

## Ronald A Bell

Grad Cert (Tech Mgt), BEng Civil (Hons), PEng, MIEAust (891940), RPEQ (6715), RBP(Vic)(EC27967), RBP(NT)(60596ES), RBP(Tas)(CC5556C), MAIB (9225), JP(Qual).

## **SPANBILD PTY LIMITED**

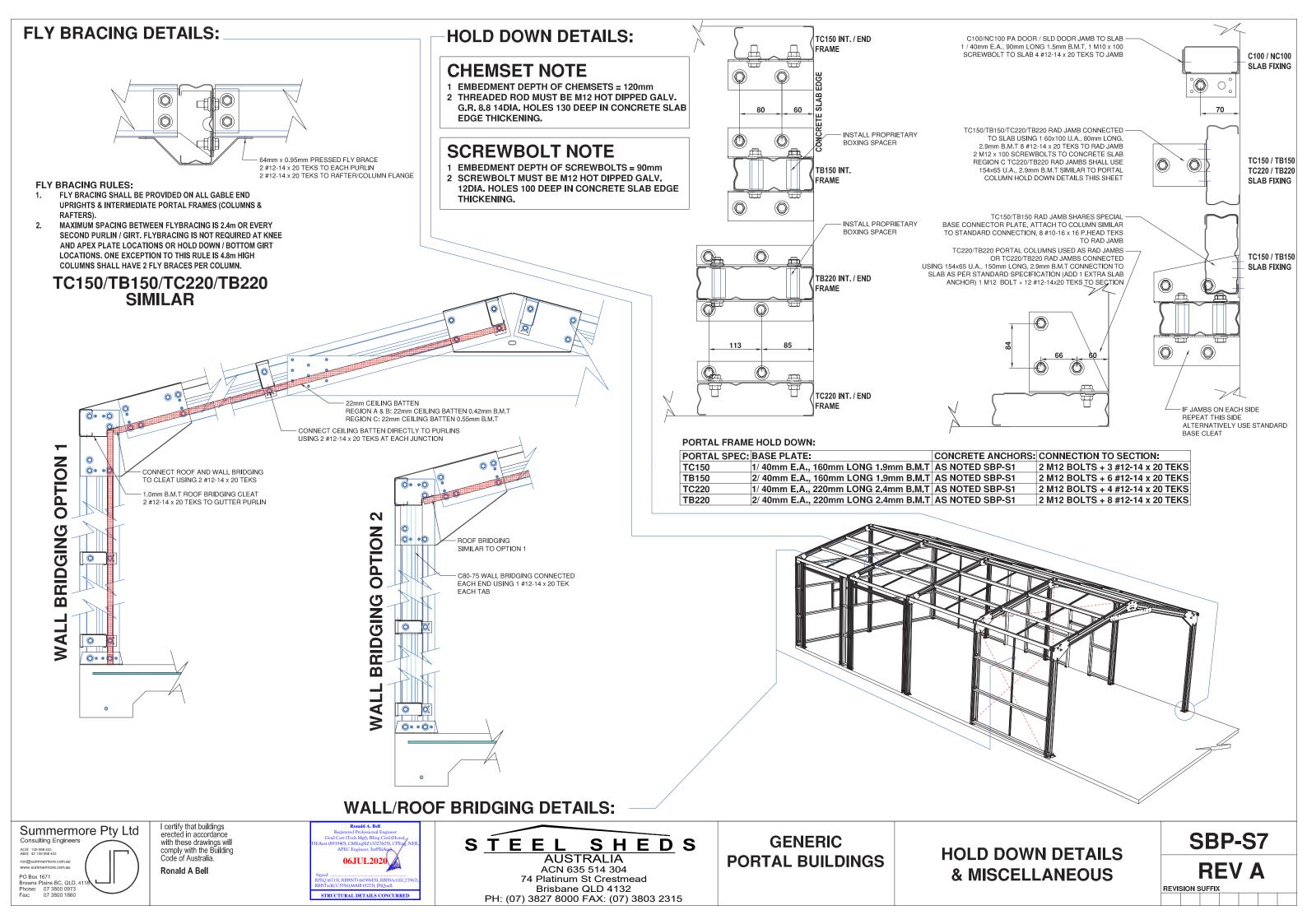
74 Platinum St Crestmead Brisbane QLD 4132 PH: (07) 3827 8000 FAX: (07) 3803 2315

## **GENERIC PORTAL BUILDINGS**

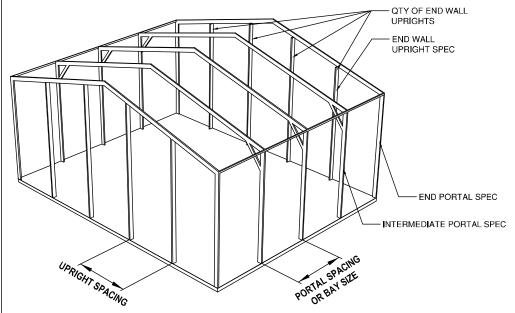
**ROLLER DOOR JAMB TABLES** 

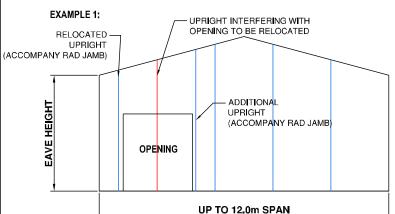
SBP-S6

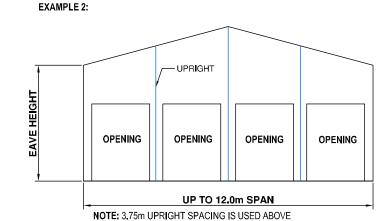
**REV B** 

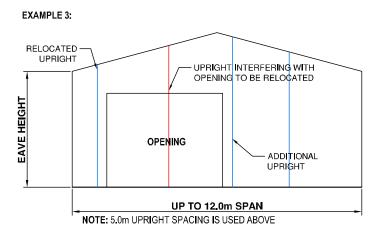


## **END WALL UPRIGHT RULES:**









## ADDITIONAL UPRIGHT **EXAMPLE 2:** SEE NOTE 2 BELOW. UPRIGHT (ACCOMPANY RAD JAMBS) **OPENING** OPENING **OPENING** UP TO 12.0m SPAN NOTE: 5.0m UPRIGHT SPACING IS USED ABOVE

### **OPENING INTERFERING WITH UPRIGHT:**

1. WHERE AN OPENING INTERFERES WITH AN UPRIGHT, THE UPRIGHT MUST BE RELOCATED, AND AN ADDITIONAL UPRIGHT IS TO BE ADDED. THE UPRIGHTS MUST NOT BE MORE THAN 1000mm AWAY FROM THE

### **OPENING BETWEEN UPRIGHTS:**

1. WHERE AN OPENING EXISTS BETWEEN UPRIGHTS, THE UPRIGHTS MUST NOT BE MORE THAN 1000mm AWAY FROM THE OPENING. 2. IF THE UPRIGHTS ARE MORE THAN 1000mm AWAY FROM THE OPENING PLACE ADDITIONAL UPRIGHTS WITHIN 1000mm OF THE OPENING.

### **BRACING CONNECTIONS:** ROOF BRACING COMPLETELY

- REFER SBP-S1 FOR BRACING SPECIFICATIONS FOR ROOF, GABLE WALLS AND SIDE WALLS.
- THE SPECIFICATION OF THE STRAP WILL DETERMINE THE QTY OF SCREWS TO ATTACH THE BRACING TO THE FRAME. THE TABLE BELOW SHALL BE USED FOR SCREW QTYS AT EACH END OF THE BRACING.
- ALL BRACING SHALL TERMINATE ON PRIMARY **ELEMENTS OF THE BUILDING (IE, PORTAL LEGS,** PORTAL RAFTERS, END WALL UPRIGHTS. ATTACHMENT TO SECONDARY ELEMENTS IS NOT APPROVED (IE PURLINS, GIRTS) U.N.O

BRACING SPECIFICATION:	QTY OF SCREWS EACH END:
30x0.95mm G550	4 #10-16 x 16 P.HEAD TEKS
38x1.2mm G500	5 #10-16 x 16 P.HEAD TEKS
50 x 0.95mm G550	6 #10-16 x 16 P.HEAD TEKS

SCREW SPECIFICATION FOR STRAPPING SHALL BE #10-16 x 16 P.HEAD TEKS TO PROVIDE FLUSH FINISH

**BRACING TO BE INSTALLED TAUT, BRACING** TENSIONERS ARE OPTIONAL.

## END PORTAL SPECIFICATION GABLE WALL BRACING:

GABLE WALL BRACING -

**BRACING RULES:** 

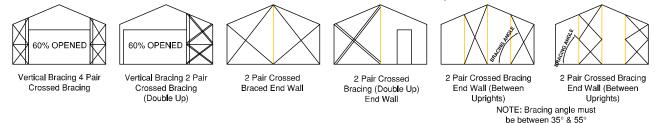
1. GABLE WALL BRACING QTY AND GAUGE IS SPECIFIED ON SHEET SBP-S1. THE FOLLOWING RULES SHALL BE ADHERED TO.

BRACED IN ALL CASES

PROVIDE BRACING IN THE CONFIGUARTION/PATTERN PROVIDED BELOW. SELECT ONE OF THESE OPTIONS. THESE BRACING OPTIONS APPLY TO GABLE WALLS WITH UP TO 60% OF THE TOTAL WIDTH CONFIGURED WITH DOORS, WINDOWS ECT.

PROXIMITY TO GABLE END

(TRIBUTARY BAY SIZE)



- WHERE OPENINGS / CONFIGURATIONS EXCEED 60% OF THE TOTAL WIDTH. THE END PORTAL FRAME SHALL BE UPGRADED USING ONE OF THE FOLLOWING 3 OPTIONS: NOTE: RULES MAY BE APPLIED TO ONE OR BOTH ENDS. IF APPLIED TO ONE END, THE QTY OF BRACES STATED ON SBP-S1 MAY BE HALVED. IS APPLIED TO EITHER END, THE GABLE BRACING MAY BE OMITTED ENTIRELY.
- UPGRADE END PORTAL FRAMING TO INTERMEDIATE PORTAL FRAMING SPECIFICATIONS WHEN CONFIGUARTIONS EXCEED 60% OF TOTAL WIDTH USING THIS UPGRADE SELECTION TABLE FOR THE RELEVANT CHANNELS:

STD. END PORTAL SPEC: UPGRADED END PORTAL SPEC: TC150-10 TC220-12 TC150-12 TC220-12 TC150-15 TC220-15 TC220-19 TC220-12

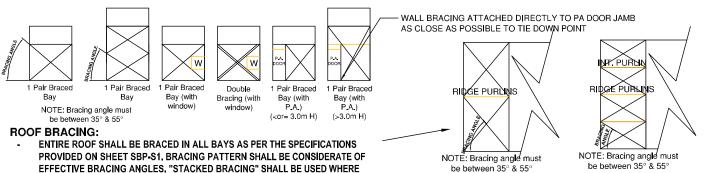
NOTE: SELECTING ONE OF THESE 3 RULES WILL WILL REMOVE THE NEED FOR GABLE WALL **BRACING ON THE RELEVANT END WALL** 

REDUCING THE TRIBUTARY AREA ASSOCIATED WITH THE STANDARD END PORTAL FRAME BY PROVIDING AN INTERMEDIATE PORTAL FRAME IN CLOSE PROXIMITY TO THE END FRAME

	BAY SIZE WITHOUT LIPGRADE:	NOTE: MAXIMUM ALLOWABLE TRIBUTARY AREA REPRESENTS THE LARGEST POSSIBLE BAY SIZE FOR THE ADJACENT BAY CLOSEST TO THE END FRAMING WITH THE BRACING
	REDUCED TO 1.5m ON END BAYS	SHORTAGE.
3.5m BAYS	REDUCED TO 1.75m ON END BAYS	
4 0m BAVS	REDUCED TO 2 0m ON END BAYS	

### SIDE WALL BRACING:

- 1. SIDE WALL BRACING QTY AND GAUGE IS SPECIFIED ON SHEET SBP-S1. WHERE EVER POSSIBLE, DISTRIBUTE THE WALL BRACING EVENLY ALONG THE LENGTH OF THE BUILDING. WHEREVER POSSIBLE, DISTRIBUTE EQUAL AMOUNTS OF BRACING IN EACH SIDE WALL. THE FOLLOWING RULES SHALL BE ADHERED TO.
- PROVIDE BRACING IN THE CONFIGUARTION/PATTERN PROVIDED BELOW. SELECT ONE OF THESE OPTIONS.



Summermore Pty Ltd PO Box 1671 Browns Plains BC, QLD, 4 Phone: 07 3800 0973 Fax: 07 3800 1860

I certify that buildings erected in accordance with these drawings will comply with the Building Code of Australia. Ronald A Bell

STRUCTURAL DETAILS CONCURRED

# S TEEL SHED S AUSTRALIA

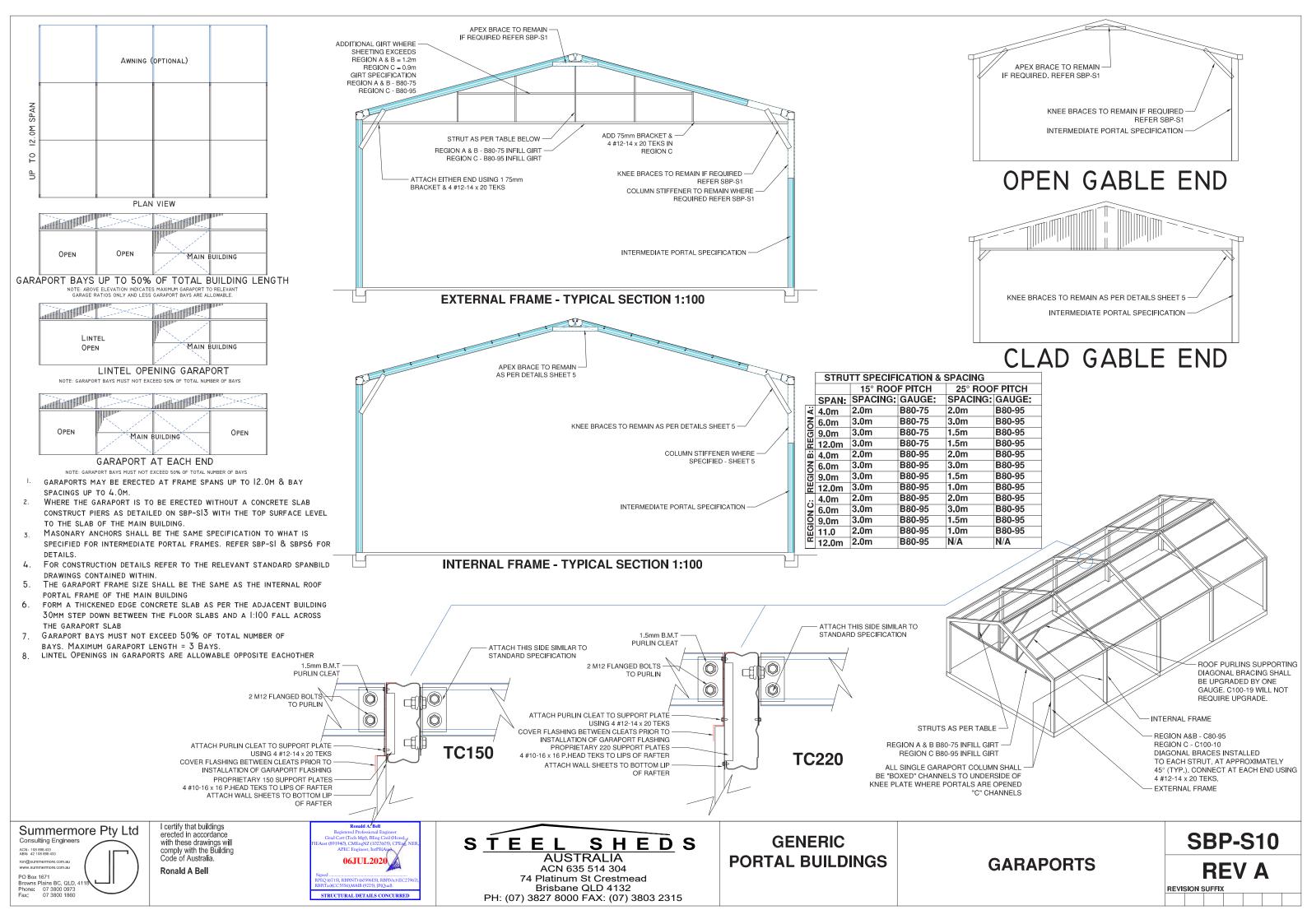
ACN 635 514 304 74 Platinum St Crestmead Brisbane QLD 4132 PH: (07) 3827 8000 FAX: (07) 3803 2315 **PORTAL BUILDINGS** 

<del>ANGLES DO NOT FALL INTO RANGE OF EFFECTIVE ANGLES</del>

**END WALL UPRIGHTS / BRACING RULES** 

SBP-S8 **REV A** REVISION SUFFIX

**GENERIC** 



- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTUAL DRAWINGS AND SPECIFICATIONS, ANY DISCRIPANCIES SHALL BE REFERED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR BEFORE COMMENCING WORK WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE
- WITH RELEVANT CURRENT AUSTRALIAN STANDARDS, BCA AND LOCAL AUTHORITY BY LAW
- DRAWINGS SHALL NOT BE SCALED FOR ANY FABRICATION OR ERECTION DETAILS.
- AT SETOUT, DIAGONALS MUST BE CAREFULLY CHECKED TO ENSURE BUILDING IS SQUARE.
- THESE DRAWINGS TO BE READ IN CONJUNCTION WITH RELEVANT PLANS RELATING TO THE BUILDING.
- DESIGNS SHOWN HEREIN ARE APPROPRIATE TO CLASS 6, 7, 8 & 10 BUILDINGS IN ACCORDANCE WITH THE BCA.
- 200um POLYTHENE LAYER SHALL BE PROVIDED UNDER CONCRETE SLABS. (OPTIONAL BUT RECOMMENDED REFERS TO CLASS 10a STRUCTURES ONLY.

### **FOUNDATIONS**

- SERVICES OF AN EXPERIENCED CONSULTING ENGINEER SHOULD
- BE ENGAGED TO ADVICE ON SUITABILITY OF SOIL CONDITIONS. SLAB DESIGNS SHOWN HEREIN, ARE APPROPRIATE TO THE **FOLLOWING SOIL CONDITIONS:** 
  - SAND AND ROCK SITES WITH NO MOVEMENT EFFECTS FROM MOISTURE CHANGES
  - SLIGHTLY REACTIVE CLAY SITES
  - "M" MODERATELY REACTIVE CLAY SITES
- "M-D"- MODERATELY REACTIVE CLAY SITES WITH DEEP MOVEMENTS IN SOIL DUE TO DEEP MOISTURE VARIANCE
- THESE DESIGNS ARE ALSO SUITABLE FOR "CONTROLLED FILL" SITES. FOUNDING MATERIAL SHALL BE CLASS 1 COMPACTED SOIL (95% COMPACTION) - APPLICABLE TO CONTROLLED FILL SITES ONLY.
- FOUNDING MATERIAL SHALL HAVE SAFE BEARING CAPACITY OF 100 kPa
- SERVICES OF AN EXPERIENCED CONSULTING ENGINEER SHOULD BE ENGAGED AT CLIENT'S EXPENSE TO CONFIRM THE ABOVE SAFE BEARING PRESSURE HAS BEEN ACHIVED AT THE BASE OF ALL FOOTINGS
- ALL TOPSOIL AT BASE OF FOUNDATIONS TO BE CLEARED OF ALL DELETERIOUS MATERIAL.

### LOADINGS

VEHICULAR LOADING:

### 100mm THICK SLAB

DEAD AND POINT U.D.L - 3.0kPa (UNIFORMLY DISTRIBUTED LOAD) POINT LIVE LOAD = 7.5kN

TYP. FOR LIGHT VEHICLE TRAFFIC AREAS (LESS THAN 3.0T G.V.M.)

### 125mm THICK SLAB

DEAD AND POINT U.D.L - 5.0kPa (UNIFORMLY DISTRIBUTED LOAD) POINT LIVE LOAD = 12.5kN TYP.FOR MEDIUM TRAFFIC AREAS (LESS THAN 5.0T G.V.M.)

- POINT LIVE LOAD OF 7.5kN OR 12.5kN REPRESENTS LOAD AT EACH
- WHEEL (DUAL WHEELS ARE TO BE ASSUMED AS ONE)
- THE MORE AXLES THERE IS, THE HIGHER THE MAX. G.V.M
- PNEUMATIC WHEELS ARE ASSUMED. CONSULT ENGINEERING ADVICE FOR APPLICATIONS USING SOLID WHEELS (E.G. FORKLIFTS, PALLET JACKS, ETC) CONVERSION FROM kN TO KG 1kN = 100KG
- G.V.M
- **GROSS VEHICLE MASS** SOME EXAMPLES AS FOLLOWS:

ASSUME 2 AXLES: 100mm THICK SLAB = 3.0T G.V.M 125mm THICK SLAB = 5.0 T G.V.M ASSUME 3 AXLES: 100mm THICK SLAB = 4.5 T G.V.M 125mm THICK SLAB = 7.5 T G.V.M

- POINT LOADING FROM PALLET RACKING HAS NOT BEEN COVERED BY THESE DESIGNS. CONSULT PROFESSIONAL ENGINEERING ADVICE FOR THESE APPLICATIONS.
- 1.2 WIND LOAD CALCULATED IN ACCORDANCE WITH AS/NZS 1170.2:2011

### ABNORMAL SITE CONDITIONS

FOOTING AND SLAB DESIGNS SHOWN HEREIN, DO NOT COVER THE **FOLLOWING SITE CONDITIONS:** 

- RECENT REMOVAL OF AN EXISTING BUILDING LIKELY TO HAVE SIGNIFICANTLY MODIFIED THE SOIL MOISTURE CONDITIONS UNDER THE PROPOSED PLAN OF THE BUILDING.
- UNUSUAL MOISTURE CONDITIONS CAUSED BY DRAINS, CHANNELS, PONDS DAMS OR TANKS.
- RECENT REMOVAL OF LARGE TREES PRIOR TO CONSTRUCTION.
- GROWTH OF TREES TO CLOSE TO A FOOTING.

- CONCRETE SHALL HAVE MAXIMUM AGGREGATE SIZE OF 20mm, SLUMP OF 80+/-20 AND ULTIMATE COMPRESSION STRENGTH AT 28 DAYS OF 20 MPa.
- CONCRETE SHALL BE PLACED IN ONE CONTINUOUS OPERATION AND BE COMPACTED BY EXTERNAL VIBRATION OR HAND TAMPING.
- POUR SLAB ON 50mm COMPACTED SAND OR 100mm LAYER OF CRUSHER DUST DEPENDING ON LOAD REQUIREMENT'S AND 200un POLYTHENE WATERPROOF MEMBRANE (LAPPED 200 AND SEALED WITH APPROPRIATE TAPE). - OPTIONAL BUT RECOMMENDED.
- ALL REINFORCEMENT SHALL BE HELD IN POSITION WITH THE USE OF
- REINFORCEMENT QUALITY AND NOTATION:

SYMBOL:	BAR SHAPE:	GRADE:	STANDARD:
S	STRUCTURAL GRADE	250 (Mpa)	AS 1302
	DEFORMED RIB BAR		
N	HOT ROLLED	500 (Mpa)	AS 4671
	DEFORMED RIB BAR		
R	PLAIN ROUND BAR	250 (Mpa)	AS 4671
SL	SQUARE MESH OF	500 (Mpa)	AS 4671
	DEFORMED RIB BAR		
L-TM	TRENCH MESH	500 (Mpa)	AS 4671

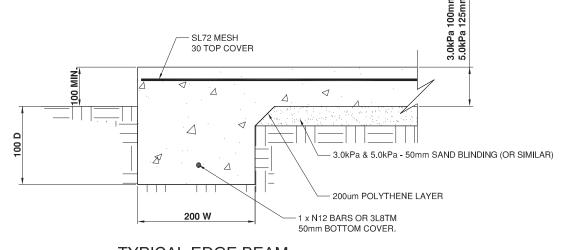
SPLICES IN REINFORCEMENT TO OVERLAP AS FOLLOWS:

BAR SIZE:	LAP LENGTH:
N10	375
N12	500
N16	600
3L8-TM	500
3L11-TM	500

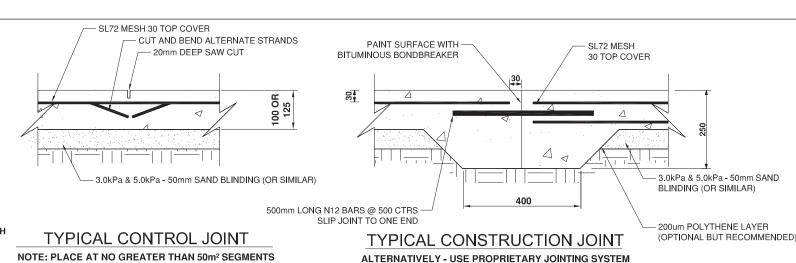
- WELDING OF THE REINFORCEMENT IS NOT PERMITTED U.N.O.
- FABRIC LAP DETAIL:



- PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF AN ENGINEER. PIPES OR CONDUITS CAST WITHIN THE SLAB SHALL BE PLACED IN THE MIDDLE THIRD OF THE CONCRETE. PIPES/CONDUITS SHALL NOT
- CONTROL JOINTS ARE TO BE PLACED AT INTERVALS OF NO GREATER THAN 50m2.
- ALL SLABS TO BE POURED AT THE SAME TIME AS THE BEAMS WHICH THEY FORM PART OF
- CONSTRUCTION JOINTS ARE TO BE USED WHERE REQUIRED, GENERALLY THIS IS GOVERNED BY THE AMOUNT OF CONCRETE THAT CAN BE POURED IN ONE DAY.
- CONCRETE WORK SHALL ALL COMPLY WITH THE REQUIREMENTS OF:-AS 2870 RESIDENTIAL SLAB AND FOOTINGS



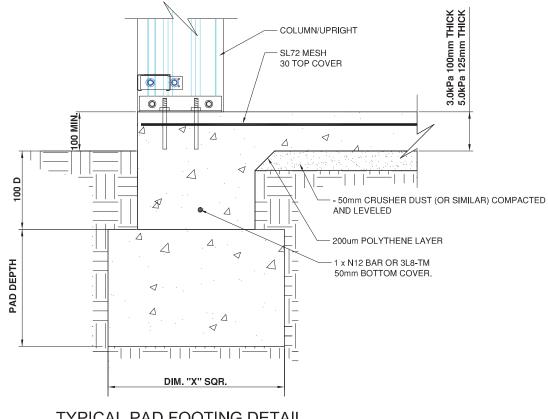
TYPICAL EDGE BEAM



SL72 MESH 30 TOP COVER  $\triangleleft$ 3.0kPa & 5.0kPa - 50mm SAND -BLINDING (OR SIMILAR) 1 x N12 BAR OR 3L8-TM 200um POLYTHENE LAYER -50mm BOTTOM COVER. (OPTIONAL BUT RECOMMENDED) 200

## TYPICAL STEP DOWN DETAIL

TYPICALLY USED FOR GARAPORTS AND AWNINGS



TYPICAL PAD FOOTING DETAIL USED WHERE REQUIRED - REFER DRAWING SBP-S13

Summermore Pty Ltd Consulting Engineer

PO Box 1671 Browns Plains BC, QLD, 4 Phone: 07 3800 0973 Fax: 07 3800 1860

I certify that buildings erected in accordance with these drawings will comply with the Building Code of Australia Ronald A Bell

STRUCTURAL DETAILS CONCURRED

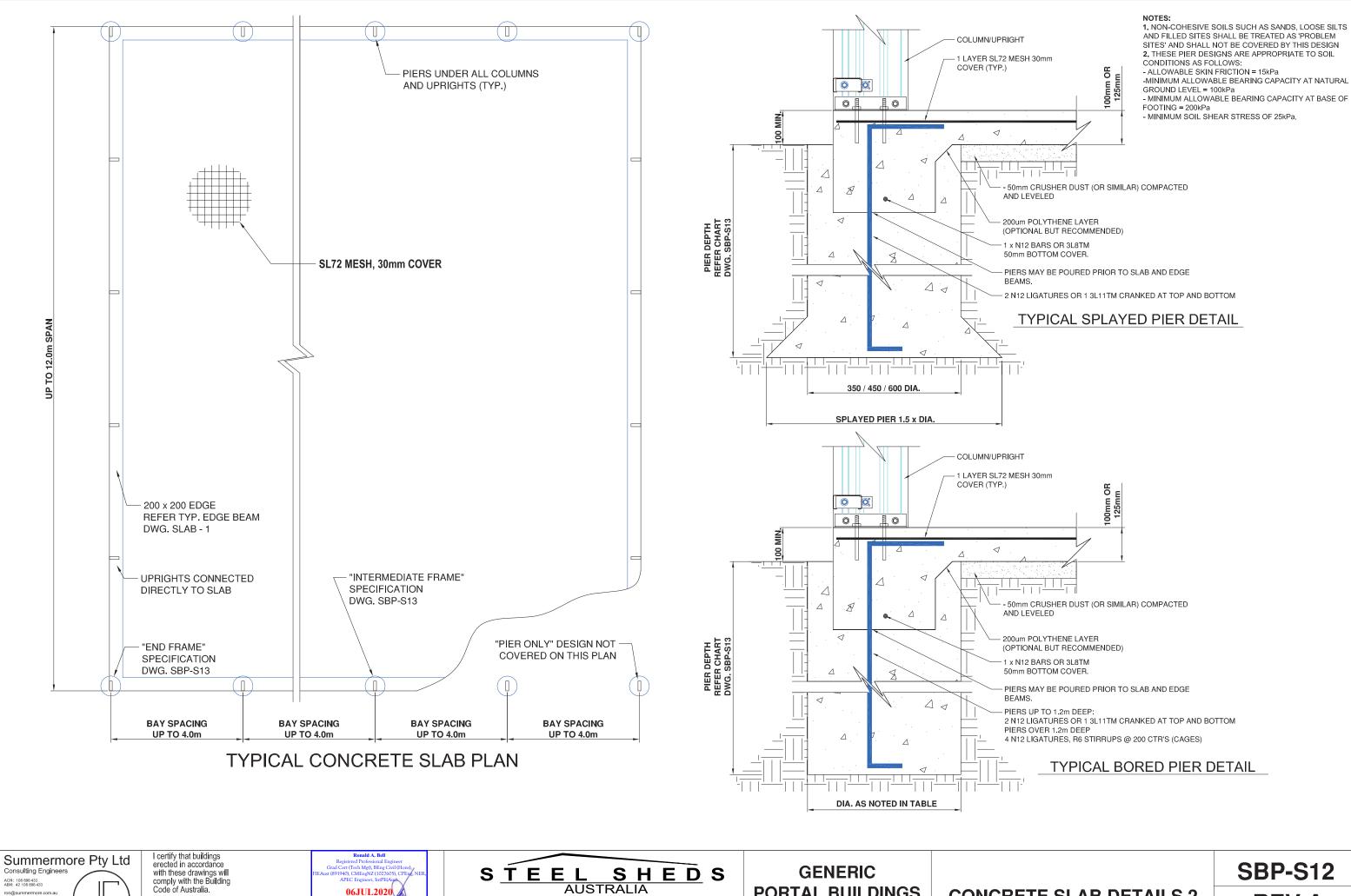
# S TEEL SHED S AUSTRALIA

ACN 635 514 304 74 Platinum St Crestmead Brisbane QLD 4132 PH: (07) 3827 8000 FAX: (07) 3803 2315

**GENERIC PORTAL BUILDINGS** 

**CONCRETE SLAB DETAILS 1** 

**SBP-S11 REV A** 



PO Box 1671 Browns Plains BC, QLD, 41 Phone: 07 3800 0973 Fax: 07 3800 1860

Ronald A Bell

STRUCTURAL DETAILS CONCURRED

ACN 635 514 304 74 Platinum St Crestmead Brisbane QLD 4132 PH: (07) 3827 8000 FAX: (07) 3803 2315 **PORTAL BUILDINGS** 

**CONCRETE SLAB DETAILS 2** 

**REV A** 

Footings End frames All heights																
							Win	d Zone a	and Terr	ain Cate	gory					
Pressure	coefficient	t Enclosed Pressure Opened Pressure														
Bay																
Space	Span	А3	A2.5	A2	В3	B2.5	B2	A3	A2.5	A2	В3	B2.5	B2	C3	C2.5	C2
3.0	3.0															
3.0	4.0															Pad 3
3.0	5.0											_			Pad 3	Pier 1
3.0	6.0					_						Pad 3	Pad 3	Pad 3	Pier 1	Pier 1
3.0	7.0					Pad 1	Pad 3				Pad 2	Pad 3	Pier 1	Pad 3	Pier 1	Pier 1
3.0	8.0					Pad 3	Pad 3				Pad 3	Pier 1				
3.0	9.0				Pad 3	Pad 3	Pier 1		Pad 1	Pad 3	Pier 1					
3.0	10.0				Pad 3	Pier 1	Pier 1		Pad 3	Pad 3	Pier 1	Pier 2				
3.0	11.0			Pad 2	Pad 3	Pier 1	Pier 1		Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2
3.0	12.0		Pad 2	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3
3.5	3.0															
3.5	4.0														Pad 3	Pad 3
3.5	5.0											Pad 2	Pad 3	Pad 2	Pier 1	Pier 1
3.5	6.0					Pad 1	Pad 3				Pad 2	Pad 3	Pier 1	Pad 3	Pier 1	Pier 1
3.5	7.0		····			Pad 3	Pad 3				Pad 3	Pier 1				
3.5	8.0				Pad 3	Pad 3	Pier 1		Pad 2	Pad 3	Pier 1					
3.5	9.0			Pad 1	Pad 3	Pier 1	Pier 1		Pad 3	Pad 3	Pier 1	Pier 2				
3.5	10.0		Pad 1	Pad 3	Pad 3	Pier 1	Pier 1	Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2
3.5	11.0		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3
3.5	12.0		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 3	Pier 3
4.0	3.0															Pad 3
4.0	4.0														Pad 3	Pier 1
4.0	5.0						Pad 2					Pad 3	Pad 3	Pad 3	Pier 1	Pier 1
4.0	6.0					Pad 3	Pad 3				Pad 3	Pier 1				
4.0	7.0				Pad 3	Pad 3	Pier 1		Pad 1	Pad 3	Pier 1					
4.0	8.0			Pad 1	Pad 3	Pier 1	Pier 1		Pad 3	Pad 3	Pier 1	Pier 2				
4.0	9.0		Pad 1	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3
4.0	10.0		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3
4.0	11.0		Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 1	Pier 3	Pier 3
4.0	12.0	Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2	Pier 3	Pier 3				

	Footings Intermediate frames All heights															
Wind Zone and Terrain Cat									ain Cate	gory						
Pressure co	efficient:	nt: Enclosed Pressure Opened Pressure														
Bay																
Space	Span	А3	A2.5	A2	В3	B2.5	B2	А3	A2.5	A2	В3	B2.5	B2	С3	C2.5	C2
3	3.0															Pad 3
3	4.0												Pad 3		Pier 1	Pier 1
3	5.0						Pad 3				Pad 2	Pier 1				
3	6.0					Pad 3	Pier 1			Pad 2	Pier 1	Pier 2				
3	7.0				Pad 3	Pier 1	Pier 1		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3
3	8.0			Pad 3	Pier 1	Pier 1	Pier 1	Pad 2	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 3	Pier 3
3	9.0		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2	Pier 2	Pier 3	Pier 3
3	10.0		Pad 3	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 2	Pier 3	Pier 4					
3	11.0	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 3	Pier 4
3	12.0	Pad 3	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 4	Pier 4
3.5	3.0														Pad 3	Pier 1
3.5	4.0											Pad 3	Pad 3	Pad 3	Pier 1	Pier 1
3.5	5.0					Pad 3	Pier 1				Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2
3.5	6.0				Pad 3	Pier 1	Pier 1		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3
3.5	7.0			Pad 3	Pier 1	Pier 1	Pier 1	Pad 2	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 1	Pier 3	Pier 3
3.5	8.0		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2	Pier 2	Pier 3	Pier 3
3.5	9.0	Pad 1	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 4
3.5	10.0	Pad 3	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 4	Pier 4
3.5	11.0	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 1	Pier 1	Pier 1	Pier 3	Pier 3	Pier 3	Pier 3	Pier 4	Pier 5
3.5	12.0	Pier 1	Pier 1	Pier 1	Pier 1	Pier 3	Pier 3	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 3	Pier 4	Pier 5
4	3.0												Pad 1		Pier 1	Pier 1
4	4.0						Pad 3				Pad 2	Pier 1				
4	5.0				Pad 2	Pier 1	Pier 1			Pad 3	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3
4	6.0			Pad 1	Pier 1	Pier 1	Pier 1		Pad 3	Pier 1	Pier 3	Pier 3				
4	7.0		Pad 3	Pad 3	Pier 1	Pier 1	Pier 1	Pad 3	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2	Pier 2	Pier 3	Pier 3
4	8.0		Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 1	Pier 1	Pier 1	Pier 1	Pier 3	Pier 3	Pier 3	Pier 3	Pier 4
4	9.0	Pad 3	Pier 1	Pier 1	Pier 1	Pier 2	Pier 2	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 4	Pier 4
4	10.0	Pier 1	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 3	Pier 4	Pier 5
4	11.0	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 1	Pier 2	Pier 2	Pier 3	Pier 3	Pier 4	Pier 3	Pier 5	Pier 6
4	12.0	Pier 1	Pier 1	Pier 1	Pier 2	Pier 3	Pier 3	Pier 1	Pier 2	Pier 3	Pier 3	Pier 3	Pier 4	Pier 4	Pier 5	Pier 6

Key	Footing Required										
	Cont. Footings 200x200 on all slabs - Below specifications are additional										
Pad 1	300 SQR. x 200 deep Pad Footing										
Pad 2	300 SQR. x 300 deep Pad Footing										
Pad 3	300 SQR. x 450 deep Pad Footing										
Pier 1	350 DIA. x 600 Deep Pier Splayed at Base	OR	350 DIA. x 1050 Deep Bored Pier								
Pier 2	350 DIA. x 800 Deep Pier Splayed at Base	OR	350 DIA. x 1300 Deep Bored Pier								
Pier 3	350 DIA. x 1200 Deep Pier Splayed at Base	OR	450 DIA. x 1900 Deep Bored Pier								
Pier 4	450 DIA. x 1000 Deep Pier Splayed at Base	OR	600 DIA. x 1800 Deep Bored Pier								
Pier 5	450 DIA. x 1200 Deep Pier Splayed at Base	OR	600 DIA. x 2200 Deep Bored Pier								
Pier 6	600 DIA. x 1000 Deep Pier Splayed at Base	OR	600 DIA. x 2600 Deep Bored Pier								

Summermore Pty Ltd
Consulting Engineers
ACN: 108 898 433
ron@summermore.com.au
www.summermore.com.au
PO Box 1671
Browns Plains BC, OLD, 4118
Phone: 07 3800 0973
Fax: 07 3800 1860

I certify that buildings erected in accordance with these drawings will comply with the Building Code of Australia. Ronald A Bell



# S TEEL SHED S AUSTRALIA

AUSTRALIA
ACN 635 514 304
74 Platinum St Crestmead
Brisbane QLD 4132
PH: (07) 3827 8000 FAX: (07) 3803 2315

GENERIC PORTAL BUILDINGS

**CONCRETE SLAB DETAILS 3** 

SBP-S13 REV A