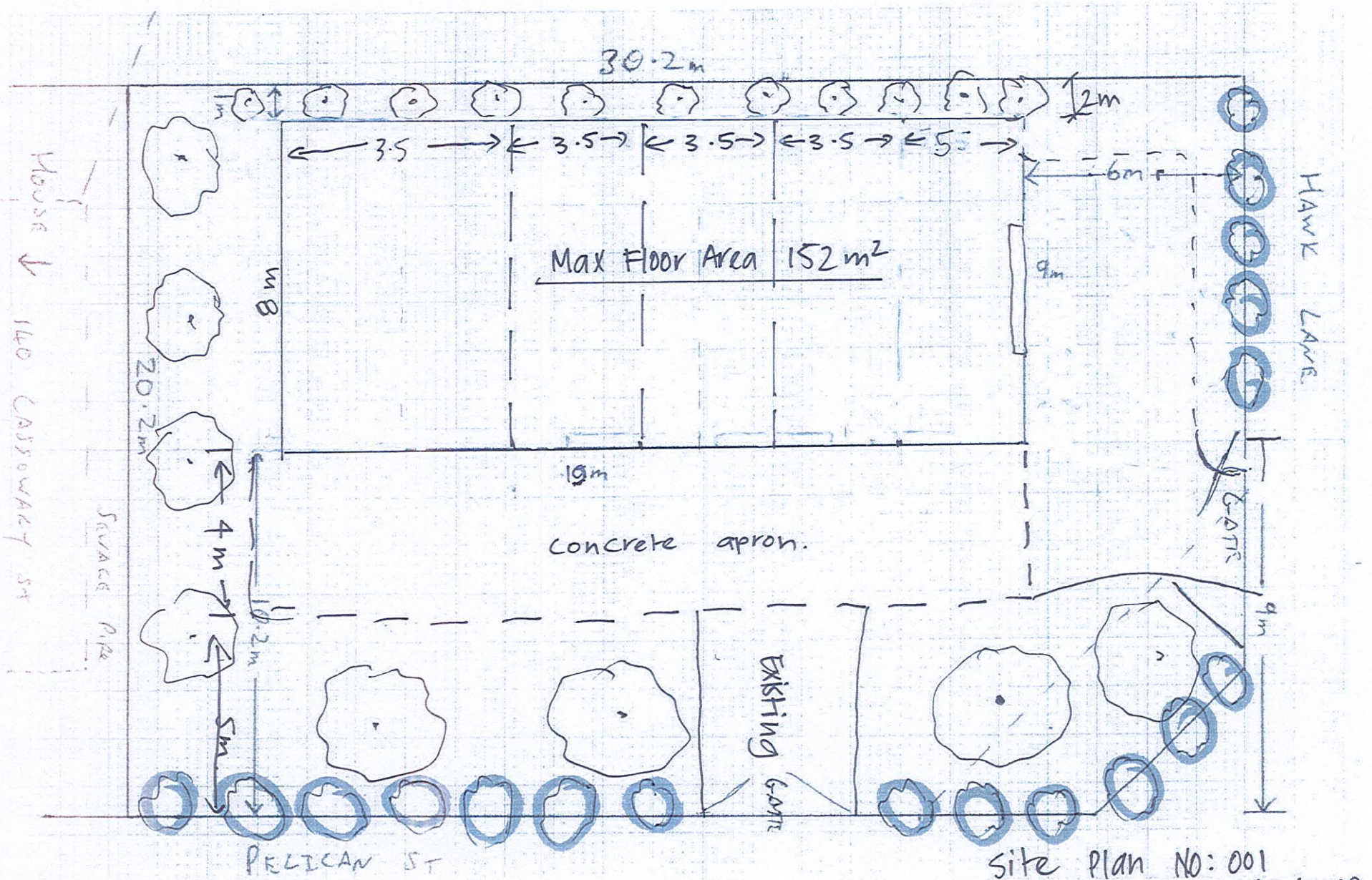
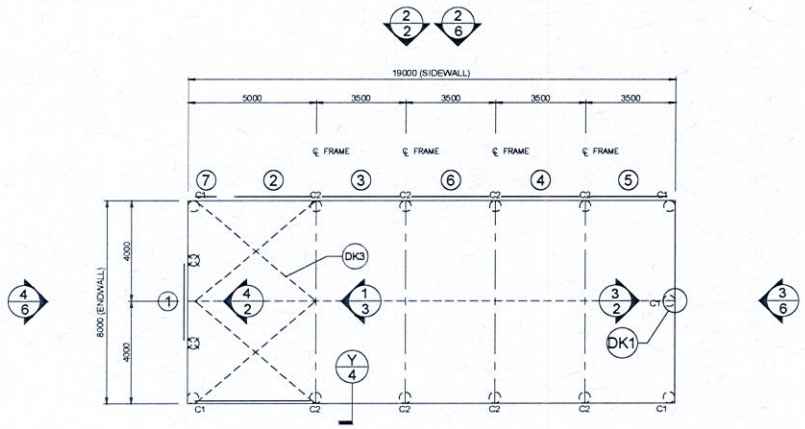


Site Plan NO: 001
Date : 20/12/2018
N.T.S.

IF IN DOUBT, ASK.



1/1 FOUNDATION PLAN AND MEMBER LAYOUT
SCALE 1 = 200

DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY. ALL DIMENSIONS TO BE VERIFIED ON SITE.

MEMBER LEGEND

C1	C15012
C2	C15024

ROOF STRAP BRACING TO BE CONNECTED TO THE PURLIN CLOSEST TO THE LINE OF THE END WALL MULLION

⊠ - INDICATES ROLLER DOOR COLUMNS

SHEET 1 OF 6
JOB NO. LGRH12503
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STEEL BUILDING BY (CONTACT)
LONGREACH BOLTED SHEDS
07 4982 4057
FOR JOANNE CURTIS
AT 140 CASSOWARY ST
LONGREACH

fairdinkum SHEDS

NORTHERN CONSULTING engineers
Civil & Structural Engineers
50 Punari Street
Currajong, Qld 4812
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Registered Chartered Professional Engineer — Regn. No. 2558980
Registered Professional Engineer (Civil & Structural) QLD — Regn. No. 9985
Registered Certifying Engineer (Structural) N.T. — Regn. No. 116373ES
Registered Engineer - (Civil) VIC — Regn. No. EC36692
Registered Engineer - (Civil) TAS — Regn. No. CC5648M

Mr Timothy Roy Messer BE MIEAust RPEQ
Registered Professional Engineer 2558980
Signature .....
Date 20/12/2018
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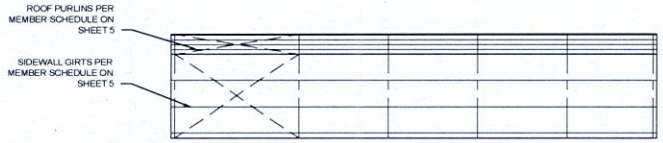
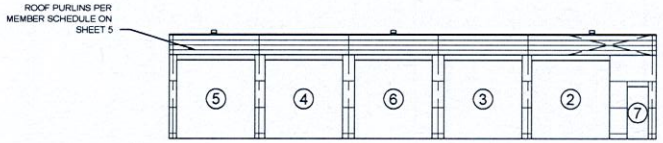
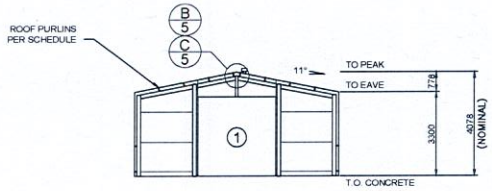


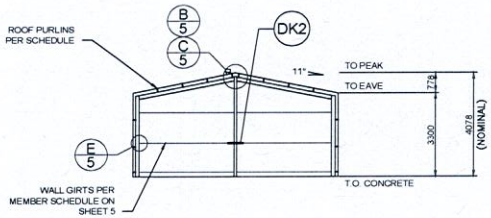
1/2 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 200



2/2 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 200



4/2 ENDWALL INTERIOR ELEVATION
SCALE: 1 = 200



3/2 ENDWALL INTERIOR ELEVATION
SCALE: 1 = 200

X BRACING IS REQUIRED IN 1 SIDE BAY(S) AND 1 ROOF BAY(S) (BOTH SIDES).

SHEET 2 OF 9
JOB NO. LGRH12503
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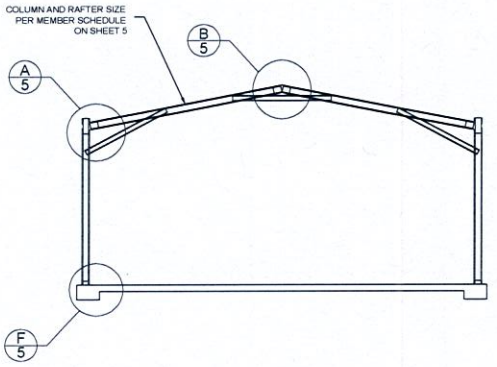

1/3 INTERNAL FRAME SECTION
SCALE: 1 = 100

Refer to Sheet #4 for concrete specification.

SHEET 3 OF 6

JOB NO. LGRH12503

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SHED SAFE accredited

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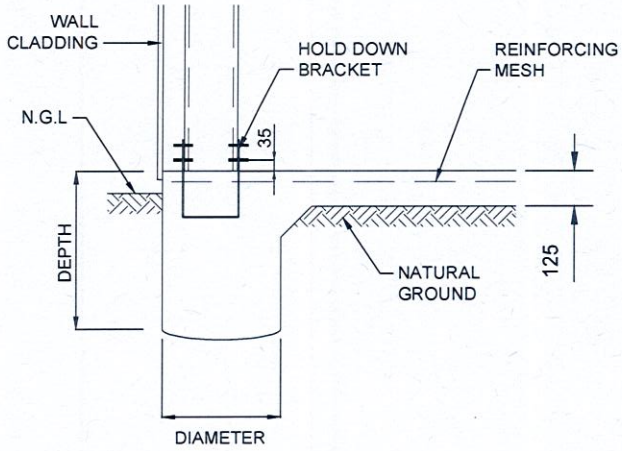

450 x 300
Diameter x Depth (mm)

N.G.L - NATURAL GROUND LINE

Y	BORED LOCAL THICKENING DETAIL	DWG NO: SBOHDB

STRUCTURAL GENERAL NOTES

1. **GOVERNING CODE** : NATIONAL CONSTRUCTION CODE (NCC), LOADING TO AS1170 - ALL SECTIONS. BUILDING SUITABLE AS EITHER A PRIVATE GARAGE CLASS 10A, OR A FARM SHED (CLASS 7 OR 8),UNLESS OTHERWISE SPECIFICALLY NOTED.
FOR USE AS A FARM SHED, IT MUST MEET THE FOLLOWING REQUIREMENTS:
   - BE LESS THAN 2000 SQM IN AREA (INCLUSIVE OF ANY MEZZANINE FLOOR AREA).
   - MUST BE LOCATED ON A FARM AND USED IN CONNECTION WITH FARMING PURPOSES (AS DEFINED IN NCC 2016).
   - BUILDING IS NOT TO BE OCCOUPIED FREQUENTLY NOR FOR EXTENDED PERIODS BY PEOPLE, WITH A MAXIMUM OF 1 PERSON PER 200 SQM OR 2 PERSONS MAXIMUM IN TOTAL WHICHEVER IS THE LESSER.
2. **DRAWING OWNERSHIP** :
THESE DRAWINGS REMAIN THE PROPERTY OF FBHS (AUST) PTY LIMITED. ENGINEERING SIGNATURE AND CERTIFICATION IS ONLY VALID WHEN BUILDING IS SUPPLIED BY A DISTRIBUTOR OF FBHS. DRAWINGS ARE PROVIDED FOR THE DUAL PURPOSE OF OBTAINING BUILDING PERMITS AND AIDING CONSTRUCTION. ANY OTHER USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN APPROVAL FROM FBHS.
3. **DRAWING SIGNATURE REQUIREMENTS** :
THESE DRAWINGS ARE NOT VALID UNLESS SIGNED BY THE ENGINEER. THE ENGINEER ACCEPTS NO LIABILITY OR RESPONSIBILITY FOR DRAWINGS WITHOUT A SIGNATURE. EACH TITLE BLOCK CONTAINS A WATER MARK UNDER THE CUSTOMERS NAME CONTAINING THE DATE OF PRODUCTION OF THE DRAWINGS; THE DRAWINGS ARE TO BE SUBMITTED TO COUNCIL WITHIN 21 DAYS OF THIS DATE. THIS IS TO ENSURE THAT ONLY CURRENT DRAWINGS ARE IN CIRCULATION.
4. **CONTRACTOR RESPONSIBILITIES** :
CERTIFIER AND CONTRACTOR TO CONFIRM (ON SITE) THAT THE WIND LOADINGS APPLIED TO THIS DESIGN ARE TRUE AND CORRECT FOR THE ADDRESS STATED IN THE TITLE BLOCK.
CONTRACTOR SHALL VERIFY AND CONFIRM ALL EXISTING CONDITIONS AND DIMENSIONS. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS PRIOR TO START OF WORK.
CONTRACTOR MUST NOT MAKE ANY DEVIATION FROM THE PROVIDED PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM ONE THE UNDERSIGNING ENGINEERS. THE ENGINEER / FBHS TAKE NO RESPONSIBILITY FOR CHANGES MADE WITHOUT WRITTEN APPROVAL.
CONTRACTOR IS RESPONSIBLE FOR ENSURING NO PART OF THE STRUCTURE BECOMES OVERSTRESSED DURING CONSTRUCTION.
BUILDING IS NOT STRUCTURALLY ADEQUATE UNTIL THE INSTALLATION OF ALL COMPONENTS AND DETAILS SHOWN IS COMPLETED IN ACCORDANCE WITH THESE DRAWINGS.
THE INDICATED DRAWING SCALES ARE APPROXIMATE. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES.
FOR FURTHER DIRECTIONS ON CONSTRUCTION THE CONTRACTOR SHOULD CONSULT THE APPROPRIATE INSTRUCTION MANUAL.
5. **ENGINEERING** :
THE ENGINEER / FBHS ARE NOT ACTING AS PROJECT MANAGERS FOR THIS DEVELOPMENT, AND WILL NOT BE PRESENT DURING CONSTRUCTION.
THE UNDERSIGNING ENGINEERS HAVE REVIEWED THIS BUILDING FOR CONFORMITY ONLY TO THE STRUCTURAL DESIGN PORTIONS OF THE GOVERNING CODE. THE PROJECT MANAGER IS RESPONSIBLE FOR ADDRESSING ANY OTHER CODE REQUIREMENTS APPLICABLE TO THIS DEVELOPMENT.
THESE DOCUMENTS ARE STAMPED ONLY AS TO THE COMPONENTS SUPPLIED BY FBHS. IT IS THE RESPONSIBILITY OF THE PURCHASER TO COORDINATE DRAWINGS PROVIDED BY FBHS WITH OTHER PLANS AND/OR OTHER COMPONENTS THAT ARE PART OF THE OVERALL PROJECT. IN CASES OF DISCREPANCIES, THE LATEST DRAWINGS PROVIDED BY FBHS SHALL GOVERN.
NO ALTERATIONS TO THIS STRUCTURE (INCLUDING REMOVAL OF CLADDING) ARE TO BE UNDERTAKEN WITHOUT THE CONSENT OF THE CERTIFYING ENGINEER"
6. **INSPECTIONS** :
NO SPECIAL INSPECTIONS ARE REQUIRED BY THE GOVERNING CODE ON THIS JOB. ANY OTHER INSPECTIONS REQUESTED BY THE LOCAL BUILDING DEPARTMENT SHALL BE CONDUCTED AT THE OWNER'S EXPENSE.
7. **SOIL REQUIREMENTS** :
SITE CLASSIFICATION TO BE A, S OR M ONLY. SOIL SAFE BEARING CAPACITY VALUE INDICATED ON DRAWING SHEET 4 OCCURS AT 100mm BELOW FINISH GRADE, EXISTING NATURAL GRADE, OR AT FROST DEPTH SPECIFIED BY LOCAL BUILDING DEPARTMENT, WHICHEVER IS THE LOWEST ELEVATION. REGARDLESS OF DETAIL Y ON SHEET 4 THE MINIMUM FOUNDATION DEPTH SHOULD BE 100MM INTO NATURAL GROUND OR BELOW FROST DEPTH SPECIFIED BY LOCAL COUNCIL. ROLLED OR COMPACTED FILL MAY BE USED UNDER SLAB, COMPACTED IN 150mm LAYERS TO A MAXIMUM DEPTH OF 300mm. CONCRETE FOUNDATION EMBEDMENT DEPTHS DO NOT APPLY TO LOCATIONS WHERE ANY UNCOMPACTED FILL OR DISTURBED GROUND EXISTS OR WHERE WALLS OF THE EXCAVATION WILL NOT STAND WITHOUT SUPPLEMENTAL SUPPORT, IN THIS CASE SEEK FURTHER ENGINEERING ADVICE.
8. **CLASS 10a or Class 7 FOOTING DESIGNS:**
THE FOUNDATION DOCUMENTED IS ALSO APPROPRIATE FOR CLASS 10a or CLASS 7 BUILDING DESIGNS ON 'M-D', 'H', 'H-D' OR 'E' CLASS SOILS, IF TOTAL SLAB AREA IS UNDER 100m SQUARE AND THE MAXIMUM SLAB DIMENSION (LENGTH AND WIDTH) IS LESS THAN OR EQUAL TO 12m.
PLEASE BE AWARE THAT THE SLAB DESIGN FOR H & E CLASS SOILS IN THESE INSTANCES ARE DESIGNED TO EXPERIENCE SOME CRACKING. THIS CRACKING IS NOT CONSIDERED A STRUCTURAL FLAW OR DESIGN ISSUE, AND IS SIMPLY COSMETIC IN NATURE. IF THIS IS A CONCERN TO THE CLIENT IT IS ADVISED THEY DISCUSS OTHER OPTIONS WITH THE RELEVANT DISTRIBUTOR PRIOR TO THE POURING OF THE SLAB.
9. **CONCRETE REQUIREMENTS** :
ALL CONCRETE DETAILS AND PLACEMENT SHALL BE PERFORMED IN ACCORDANCE WITH AS2870 AND AS3600.
CONCRETE SHALL HAVE A MIN. 28-DAY STRENGTH OF 20MPa FOR EXPOSURE A1 & B1, 25MPa FOR EXPOSURE A2 & B2 AND 32MPa FOR EXPOSURE C, IN ACCORDANCE WITH SECTION 4, AS3600. CEMENT TO BE TYPE A. MAX AGGREGATE SIZE OF 20mm. SLUMP TO BE 80mm +-15mm. SLABS TO BE CURED FOR 7 DAYS BY WATERING OR COVERING WITH A PLASTIC MEMBRANE, AFTER WHICH CONSTRUCTION CAN BEGIN, DUE CARE GIVEN NOT TO OVER-TIGHTEN HOLD DOWN BOLTS. GIVEN ALLOWABLE SOIL TYPES 1 LAYER OF SL72 REINFORCING MESH IS TO BE INSTALLED ON STANDARD SLABS WITH A MINIMUM 30MM COVER FROM CONCRETE SURFACE. CONCRETE REINFORCING TO CONFORM TO AS 1302, AS1303 & AS 1304. ALL REINFORCING COVER TO BE A MINIMUM OF 30mm.
10. **STRUCTURAL STEEL REQUIREMENTS** :
ALL STRUCTURAL STEEL, INCLUDING SHEETING THOUGH EXCLUDING CONCRETE REINFORCING, SHALL CONFORM TO AS 1397 (GAUGE <= 1mm fy = 550MPa, GAUGE > 1mm < 1.5mm fy = 500MPa, GAUGE >= 1.5mm fy = 450MPa).
NO WELDING IS TO BE PERFORMED ON THIS BUILDING.
ALL STRUCTURAL MEMBERS AND CONNECTIONS DESIGNED TO AS4600. ALL BOLT HOLE DIAMETERS TO STRAMIT GENERAL PUNCHINGS.
11. **FOOT TRAFFIC** :
FOR ERECTION AND MAINTENANCE PLEASE NOTE THE FOLLOWING DEFINED FOOT TRAFFIC ZONES:
- CORRUGATED: WALK ONLY WITHIN 200MM OF SCREW LINES. FEET SPREAD OVER AT LEAST TWO RIBS.
- MONOCLAD: WALK ONLY IN PANS, OR ON RIBS AT SCREW LINES.

PROJECT DESIGN CRITERIA

ROOF LIVE LOAD:	0.25 kPa
BASIC WIND SPEED:	VR 45 m/s
SITE WIND SPEED:	Vsit,B 32 m/s
WIND REGION:	Reg A
TOPOGRAPH FACTOR, k_t :	1
SHIELDING FACTOR, k_s :	0.85
MAX GROUND SNOW LOAD:	NA
MAX ROOF SNOW LOAD:	NA
SITE ALTITUDE:	NA
TERRAIN CATEGORY:	TCat 3
SOIL SAFE BEARING CAPACITY:	100 kPa
RETURN PERIOD:	1:500
LIMITING CPI 1:	-0.3
LIMITING CPI 2:	0
IMPORTANCE LEVEL:	2

DETAIL KEYS

DK1	ENDWALL VERTICAL MULLION (SEE DETAIL C/5 FOR TOP CONN. AND F/5 FOR BASE CONN.)
DK2	FLYBRACING PER DETAIL L/5
DK3	X-BRACING IN ROOF ABOVE (SEE DETAIL M/5)
DK4	DOUBLE X-BRACING IN ROOF ABOVE (SEE DETAIL M/5)

DOOR SCHEDULE

DOOR	WIDTH	HEIGHT	OPENING TYPE	HEADER GIRT	OPENING JAMBS
1	3040	3100	3.10H X 3.10 CB *SERIES A #	SINGLE	
2	3040	3100	3.10H X 3.10 CB *SERIES A #	SINGLE	
3	3040	3100	3.10H X 3.10 CB *SERIES A #	SINGLE	
4	3040	3100	3.10H X 3.10 CB *SERIES A #	SINGLE	
5	3040	3100	3.10H X 3.10 CB *SERIES A #	SINGLE	
6	3040	3100	3.10H X 3.10 CB *SERIES A #	SINGLE	
7	820	2040	EXTERNAL PA DOOR 180 DEG	SINGLE	

NOTES: 1) SEE SHEET 5 FOR DOOR OPENING FRAMING INFORMATION.
2) ALL DOOR SCHEDULE MEASUREMENTS ARE ACTUAL DOOR/WINDOW SIZE NOT OPENING SIZE.

SHEET 4 OF 9 | JOB NO. LGRH12503 | DATE 20/12/2018 | CHECKED TM | DRAWN FDS

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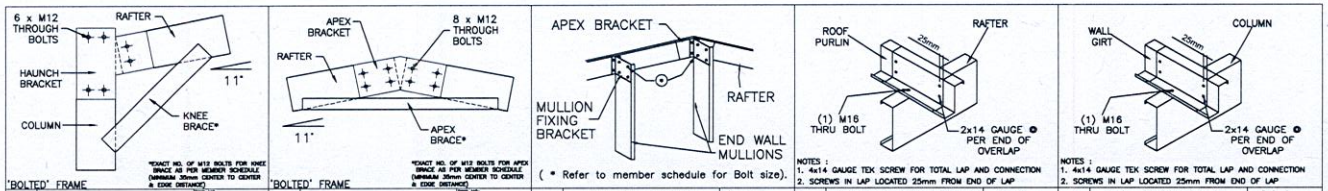
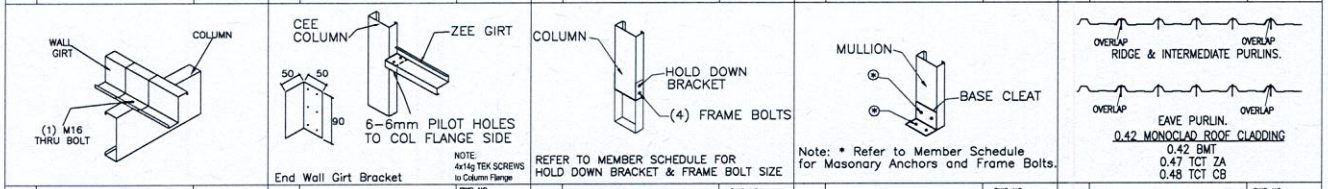
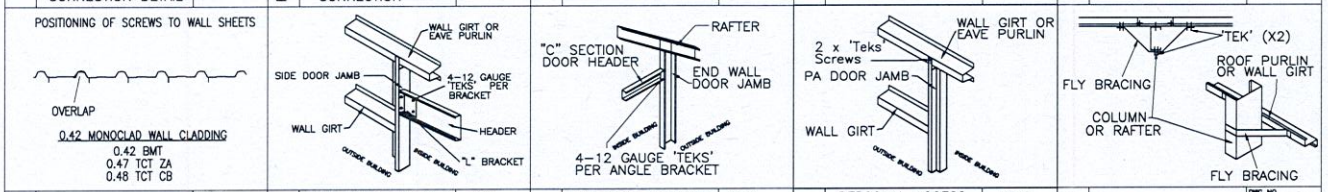


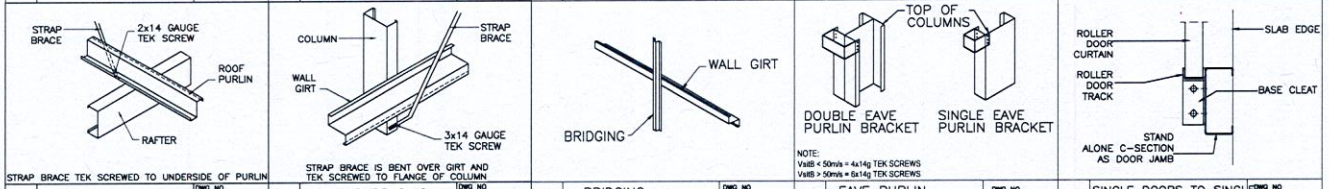
		DWG NO			DWG NO			DWG NO			DWG NO
A	HAUNCH CONNECTION	K21BB	B	APEX CONNECTION	AP21BB	C	MULLION FIXING ANGLE BRACKET	MFA4	D_P	PURLIN CONNECTION DETAIL	PPCON5L
D_G	GIRT CONNECTION DETAIL	PGCON5L									



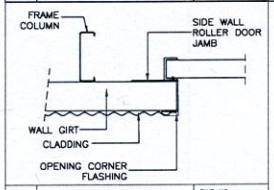
		DWG NO			DWG NO			DWG NO			DWG NO
E_G	ENDWALL GIRT CONNECTION DETAIL	PEGCON5N	E	END WALL GIRT CONNECTION	EG5-PH	F	BASE CONNECTION	HDB7	F_E	BASE CONNECTION	MBC1
G	ROOF SHEETING PROFILE	R1NC4									



		DWG NO			DWG NO			DWG NO			DWG NO
H	WALL SHEET PROFILE	W1NC4	I	SIDE DOOR SUPPORT CONNECTION	DFRS	J	SIDE DOOR SUPPORT CONNECTION	DFRG	K	PERSONAL ACCESS DOOR	PADD1
L	FLYBRACING	FBRZ									



		DWG NO			DWG NO			DWG NO			DWG NO
M	STRAP BRACING	PZSB	M	STRAP BRACING (UNLESS NOTED OTHERWISE)	GZSB	N	BRIDGING DETAIL	PGBZ	O	EAVE PURLIN BRACKET	EPB-PH
U	SINGLE DOORS TO SINGLE ROLLER DOOR JAMB	SDSRM									



		DWG NO
U	SIDEWALL ROLLER DOOR JAMB	SRDJ

MEMBER AND MATERIAL SCHEDULE

1	END WALL RAFTER	Single C15012
2	C.S. FRAME RAFTER	Single C15015
3	END FRAME COLUMN (C1)	Single C15012
4	C.S. FRAME COLUMN (C2)	Single C15024
5	MULLION (C1)	Single C15012
6	C.S. FRAME KNEE BRACE	Single C10015 @ 1.93 LONG 2 bolts each end
7	KNEE BRACE HEIGHT UP COLUMN	2.57m
8	KNEE BRACE LENGTH UP RAFTER	1.55m
9	C.S. FRAME APEX BRACE	Single C10015 @ 1.92 LONG 2 bolts each end
10	APEX POSITION FROM RAFTER END	0.98m
11	END ANCHOR BRACKETS (# PER DETS.)	HOLD DOWN BRKTS 150 X 50 X 4-400 DEEP GAL FLAT
12	MAIN SNG ANCHOR BRACKETS (# PER DETS.)	Hold Down Brackets 150 X 50 X 4 Gal Flat
13	MULLION ANCHOR BOLTS (# PER DETS.)	Sleeve Anchor 12.0x75 Z/Y
14	EAVE PURLIN	C10015 (Eave Purlin Bracket 0mm from top of column)
15	TYP. ROOF PURLIN SIZE	Z10010 (1 rows of bridging)
16	MAIN BLDG. PURLIN SPACING	0.99 m (4 rows) (Max Allow. 1.30m)
17	ROOF PURLIN BRIDGING	Tophat 64 x 0.75
18	TYP. SIDEWALL GIRT SIZE	Z10010 (1 rows of bridging)
19	MAIN BLDG. SIDEWALL GIRT SPACING	1.02 m. (3 rows) (Max Allow. 1.30m)
20	SIDEWALL GIRT BRIDGING	Tophat 64 x 0.75
21	TYP. ENDWALL GIRT SIZE	Z10010 (1 rows of bridging)
22	MAIN BLDG. ENDWALL GIRT SPACING	1.16 m. (3 rows) (Max Allow. 1.30m)
23	MAIN BLDG. ENDWALL GIRT LENGTH	4.05 m. (0.3m Overlap)
24	ENDWALL GIRT BRIDGING	Tophat 64 x 0.75
25	FRAME SCREW FASTENERS	14-13x22 Hex C/S (SP HD 5/16" Hex Drive)
26	FRAME BOLT FASTENERS	Purlin Assy M12x30 Z/P
27	PURLIN/GIRT FASTENERS	Purlin Assy M16x30 Z/P
28	X-BRACING STRAP AND FASTENERS	Single Bracing Strap Per Roll Light
29	WALL COLOUR	CLASSIC_CREAM
30	ROOF COLOUR	SURFMIST
31	ROLLER DOOR COLOUR	COTTAGE_GREEN
32	P.A. DOOR COLOUR	COTTAGE_GREEN
33	ROOF VENT COLOUR	SURFMIST
34	DOWNPIPE COLOUR	CLASSIC_CREAM
35	GUTTER COLOUR	COTTAGE_GREEN
36	CORNER FLASHING COLOUR	CLASSIC_CREAM
37	BARGE FLASHING COLOUR	COTTAGE_GREEN
38	OPENING FLASHING COLOUR	CLASSIC_CREAM
39	OPEN BAY HEADER HEIGHT	0.5

"C.S." = CLEARSPAN "L" = LEFT "R." = RIGHT

PURLIN AND GIRT LENGTHS

BAY	WIDTH	PURLIN LENGTH	GIRT LENGTH
1	5m	5.35 m. (0.35m Lap)	5.35 m. (0.35m Lap)
2	3.5m	3.93 m. (0.43m Lap)	3.93 m. (0.43m Lap)
3	3.5m	3.85 m. (0.35m Lap)	3.85 m. (0.35m Lap)
4	3.5m	3.85 m. (0.35m Lap)	3.85 m. (0.35m Lap)
5	3.5m	3.85 m. (0.35m Lap)	3.85 m. (0.35m Lap)

SHEET 5 OF 6
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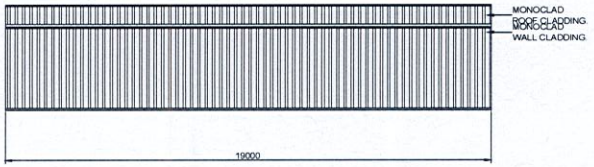
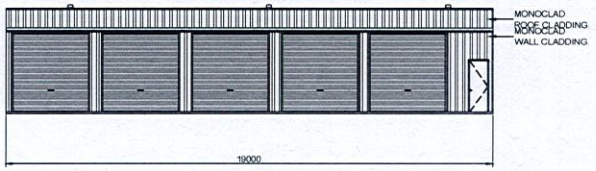
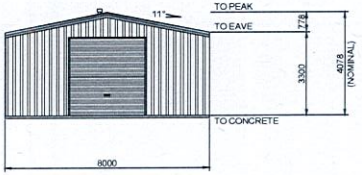


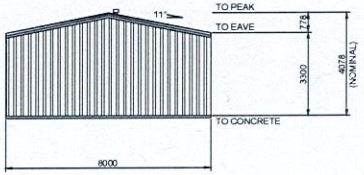
1/6 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 200



2/6 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 200



4/6 ENDWALL EXTERIOR ELEVATION
SCALE: 1 = 200



3/6 ENDWALL EXTERIOR ELEVATION
SCALE: 1 = 200

BUILDING COLOURS

WALL	CLASSIC CREAM
ROOF	SURFMIST
ROLLER DOOR	COTTAGE GREEN
P.A. DOOR	COTTAGE GREEN
ROOF VENT	SURFMIST
DOWNPIPE	CLASSIC CREAM
GUTTER	COTTAGE GREEN
CORNER FLASHING	CLASSIC CREAM
BARGE FLASHING	COTTAGE GREEN
OPENING FLASHING	CLASSIC CREAM

SHEET 6 OF 6
JOB NO. LGRH12503
DATE 20/12/2018
CHECKED TM
DRAWN FDS

STEEL BUILDING BY
(CONTACT)
LONGREACH BOLTED SHEDS
07 4982 4057
FOR
JOANNE CURTIS
AT
140 CASSOWARY ST
LONGREACH

fairdinkum SHEDS

NORTHERN CONSULTING engineers
Civil & Structural Engineers
50 Punari Street
Currajong, Qld 4812
Fax: 07 4725 5850
Email: design@nceng.com.au
ABN 341 008 173 56

Registered Chartered Professional Engineer	Regn. No. 2558980
Registered Professional Engineer (Civil & Structural) QLD	Regn. No. 9985
Registered Certifying Engineer (Structural) N.T.	Regn. No. 116373ES
Registered Engineer - (Civil) VIC	Regn. No. EC36692
Registered Engineer - (Civil) TAS	Regn. No. CC5648M

Mr Timothy Roy Messer BE MIEAust RPEQ
Registered Professional Engineer 2558980
Signature T. Messer
Date 20/12/2018
Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register

Queensland Government

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

This section need only be completed if details of street address and property description are applicable.

EG. In the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.

The description must identify all land the subject of the application. The lot & plan details (eg. SP / RP) are shown on the title documents or a rates notice. If the plan is not registered by title, provide previous lot and plan details.

Street address (include no.,street, suburb / locality & postcode)

140 Cassowary St *

Longreach Postcode : 4730

Lot & plan details (attach list if necessary)

Lot No: SP/RP :

In which local government area is the land situated?

* Certifier to confirm on site that the wind loadings for this design are true and correct for the address stated.

2. Description of component/s certified

Clearly describe the extent of work covered by this certificate, e.g all structural aspects of the steel roof beams.

Steel Portal Frame Structure 8 m Span x 19 m O/A length x 3.3 m eaves

height building, consisting of 5 bays at various bay widths (refer to plans)

x 0 m Left Leanto span x 0 m Right leanto span

Also Including Foundations / Footings

3. Basis of certification

Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.

Australian Standards (list) AS/NZS 4600-2005, AS/NZS 1170.0,.1,2,3-2011, AS2870-2011, AS3600-2009

2016 National Construction Code of Australia

Region AS1170.2 = Reg A Annual Probability Exceedance wind = 1:500

NCC Importance Level = 2 NCC Equivalent Wind class = N1

Factor for Region = NA

Regional 3 s Gust Wind Speed for annual probability of exceedance V_R= 45 m/s

Wind directional multipliers for the 8 cardinal directions Md = 1.00

Terrain/Height multiplier (Mz, Cat) = 0.83 Shielding Multiplier M_s= 0.85

Topographic multiplier Mt = 1 Site Wind Speed $V_{sit,B}$ = 31 m/s

External Pressure Coefficent cpe = Roof = −0.90, 0.20; Walls = −0.65, 0.70

Internal Pressure Coefficent cpi = −0.3, 0

Design Roof Live Load = 0.25 kPa

4. Reference documentation

Clearly identify any relevant documentation, e.g. numbered structural engineering plans.

Drawing Nos: 'Fair Dinkum' Structural Design Drawing

TO BE READ IN CONJUNCTION WITH PAGES 1 TO 6

FOR JOB NO. LGRH12503 DATED : 20/12/2018

Specifications:

Computations:

Test Reports:

Other Documentation:

LOCAL GOVERNMENT USE ONLY

Date received		Reference Number/s	

Queensland Government

Department of Housing and Public Works

Form 15 - Compliance Certificate for building Design or Specification

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5. Building certifier reference number

Building certifier reference number

?

6. Competent person details

A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practise in an aspect of the building and specification design, of the building work because of the individual's skill, experience and qualifications in the aspect. The competent person must also be registered or licensed under a law applying in the State to practice the aspect.

If no relevant law requires the individual to be licensed or registered to be able to give the help, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help.

If the chief executive issues any guidelines for the assessing a competent person, the building certifier must use the guidelines when assessing the person.

Name (in full)

Timothy Roy Messer

Company name (if applicable)

Northern Consulting Engineers

Contact person

Timothy Roy Messer

Phone no. business hours

(07) 47 25 55 50

Mobile no.

Fax no.

(07) 47 25 58 50

Email address

design@nceng.com.au

Postal address

50 Punari Street, Currajong, QLD

Postcode: 4812

Licence or registration number (if applicable)

RPEQ **9985**

7. Signature of competent person

This certificate must be signed by the individual assessed by the building certifier as competent.

I certify that the item/s described above, if installed or carried out under the certificate, including any referenced documentation, will comply with the *Building Act 1975*.

Signature

T. Messer

Date

20/12/2018

Mr Timothy Roy Messer

The *Building Act 1975* is administered by the Department of House and Public Works