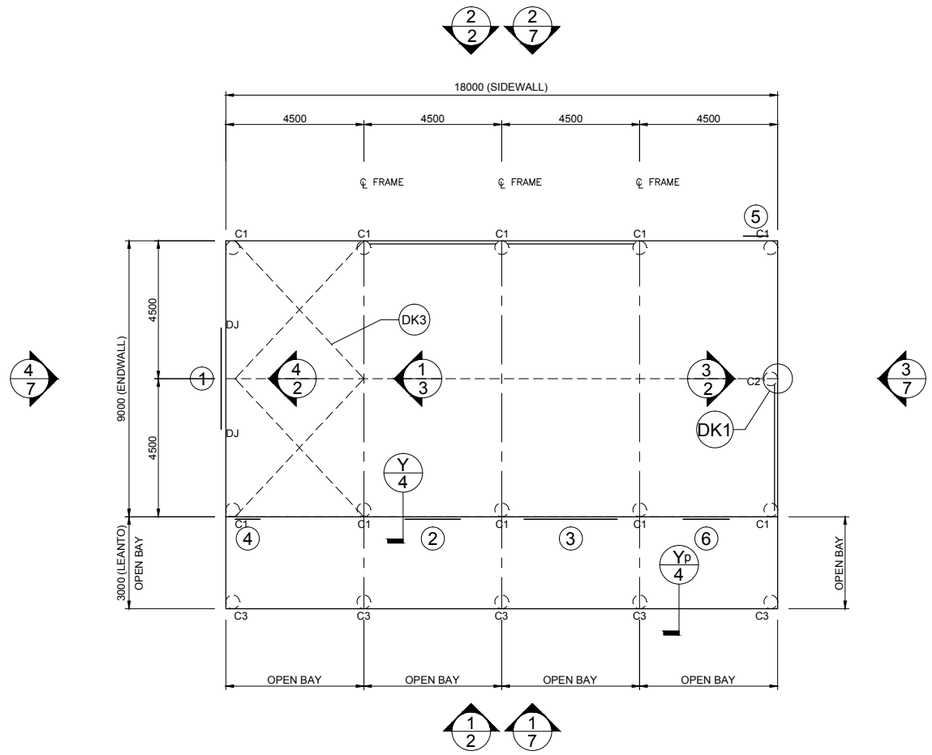
IF IN DOUBT, ASK.



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

ROOF STRAP BRACING TO BE CONNECTED TO THE PURLIN CLOSEST TO THE LINE OF THE END WALL MULLION
ROOF STRAP BRACING CAN BE PLACED FROM EITHER END OF THE BUILDING PROVIDING THE STRAP PATTERN REMAINS AS PER PLANS
DJ - INDICATES DOOR JAMBS AT THESE LOCATIONS. REFER TO SHEET #4 ON THE DOOR SCHEDULE FOR SIZES

MEMBER LEGEND

C1	C20024
C2	C20015
C3	SHS07525

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

SHEET 1 OF 7
JOB NO. FDYA130381
DATE 7/3/2025
CHECKED TM
DRAWN FDB

STEEL BUILDING BY (CONTACT)
FAIR DINKUM BUILDS YASS
02 6226 4377
FOR (CHAY) LACHLAN
AT 27 KENILWORTH LANE
YASS

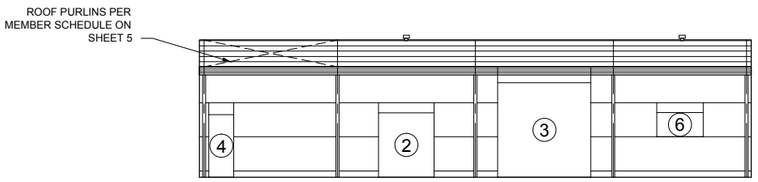
SHED SAFE accredited

FAIR DINKUM BUILDS

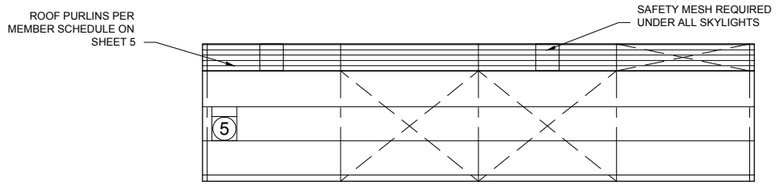
NORTHERN CONSULTING engineers
Civil & Structural Engineers
50 Punari Street
Currajong, Qld 4812
Fax: 07 4725 5850
Email: design@nceng.com.au
ABN 341 008 173 56

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. PE0002216
Registered Engineer - (Civil) TAS	Regn. No. CC5648M

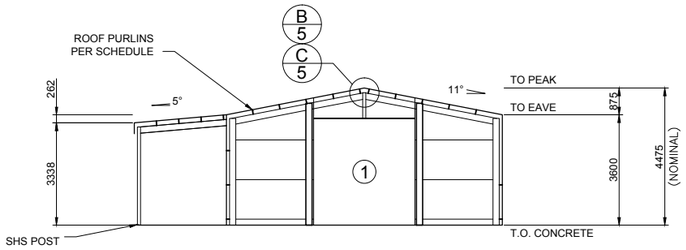
Mr Timothy Roy Messer BE MIEAust RPEQ
Signature .....
Date 7/3/2025
Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register



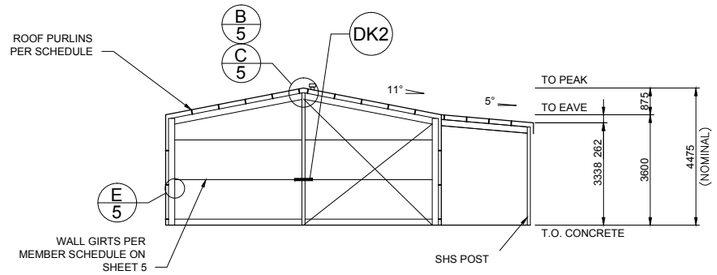
1/2 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 200



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 2 SIDE BAYS, 1 END BAY, 2 ROOF BAYS.
SEE LAYOUT OR PLANS FOR PLACEMENT. FLY BRACING IS INCLUDED TO BE PLACED ON EVERY SECOND PURLIN AND GIRT ON ENDWALL MULLIONS, INTERNAL COLUMNS AND INTERNAL RAFTERS.

SHEET 2 OF 7

JOB NO. FDYA130381

DATE 7/3/2025

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DRAWN FDB

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Mr Timothy Roy Messer BE MIEAust RPEQ
Signature .....
Date 7/3/2025
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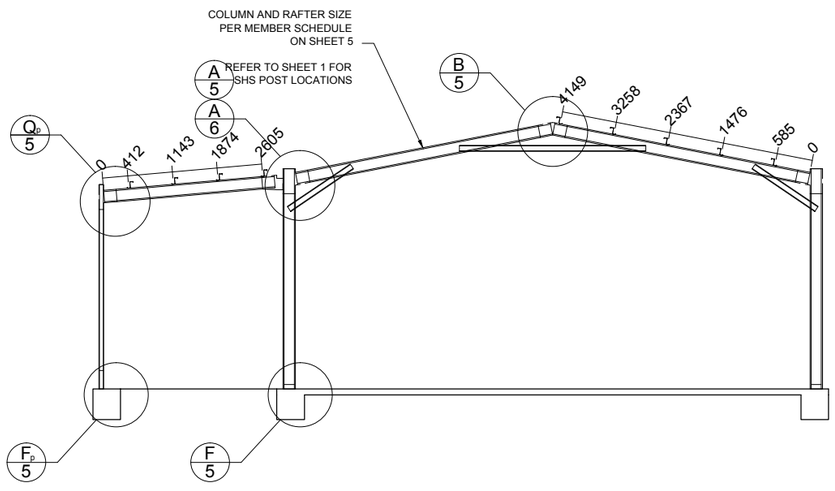

1/3 INTERNAL FRAME SECTION
SCALE: 1 = 100

Refer to Sheet #4 for concrete specification.

SHEET 3 OF 7

JOB NO. FDYA130381

DATE 7/3/2025

CHECKED TM

DRAWN FDB

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Signature T. Messer
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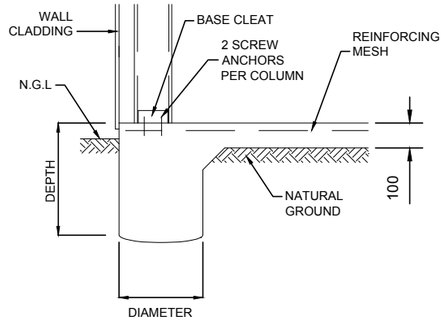
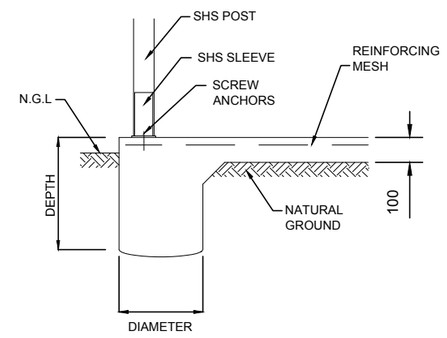


450 x 500

Diameter x Depth (mm)

N.G.L - NATURAL GROUND LINE

Y	BORED LOCAL THICKENING DETAIL	DWG NO. SBOMA



450 x 500

Diameter x Depth (mm)

N.G.L - NATURAL GROUND LINE

Yp	BORED LOCAL THICKENING DETAIL	DWG NO. SBOSHS2

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.
   - 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 FUTHER 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.
   OPENINGS SUCH AS WINDOWS AND DOORS NEED TO BE INSTALLED AS PER THE PRODUCT MANUFACTURER'S INFORMATION/DETAILS.
   THE BUILDING IS DESIGNED AS A STAND-ALONE BUILDING, NOT RELYING ON ANY ADJACENT BUILDING. IF THE PERMANENT OPENING IS OBSTRUCTED BY ANY ADJACENT BUILDING AND WITHIN A DISTANCE OF 0.5M OF SAID OPENING, THE DESIGN SHOULD BE REFERRED TO THE DESIGN ENGINEER FOR REVIEW OF INTERNAL PRESSURES AND POSSIBLE REDESIGN.
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 900mm. 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, 25MPa FOR EXPOSURE A2, 32MPa FOR EXPOSURE B1, 40MPa FOR EXPOSURE B2 AND 50MPa 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:	VsitB 41 m/s
WIND REGION:	Reg A3
TOPOGRAPHY FACTOR, Mt:	1
SHIELDING FACTOR, Ms:	1
MAX GROUND SNOW LOAD:	N/A
MAX ROOF SNOW LOAD:	N/A
SITE ALTITUDE:	N/A
TERRAIN CATEGORY:	TCat 2
SOIL SAFE BEARING CAPACITY:	100 kPa
RETURN PERIOD:	1:500
LIMITING CPI 1:	-0.3
LIMITING CPI 2:	0.17
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 SCHEDULE F/6
- DK3 X-BRACING IN ROOF ABOVE (SEE DETAIL B/6)
- DK4 DOUBLE X-BRACING IN ROOF ABOVE (SEE DETAIL B/6)

SCHEDULE OF OPENINGS

DOOR	OPENING SIZE MAX WIDTH	OPENING SIZE MAX HEIGHT	OPENING TYPE	HEADER GIRT	OPENING JAMBS	WIND RATED
1	3300	3480*	3.50H X 3.40 CB DIRECT DRIVE *SERIES B	SINGLE	C20024P	NO
2	1810	2100	2.10H X 1.81 XO STANDARD GLASS SLIDING DOOR	SINGLE	XSRDZ10036	YES
3	3040	3080*	3.10H X 3.10 CB *SERIES A #	SINGLE	XSRDZ10036	NO
4	820	2040	EXTERNAL PA DOOR 180 DEG	SINGLE		YES
5	820	790	WINDOW	SINGLE		YES
6	1510	790	WINDOW	SINGLE		YES

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

* ROLLER DOOR OPENING HEIGHT DEPENDENT ON FINAL BUILD LOCATION.

SHEET 4 OF 7 | JOB NO. FDYA130381 | DATE 7/3/2025 | CHECKED TM | DRAWN FDB

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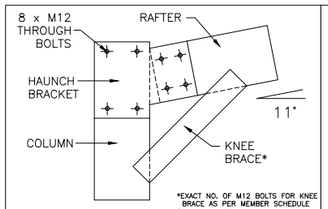
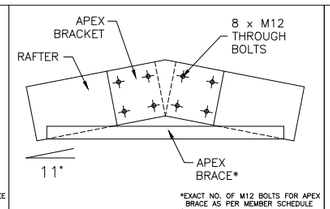
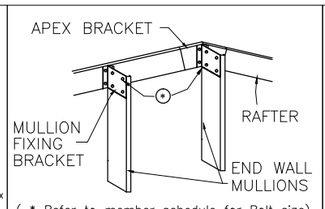


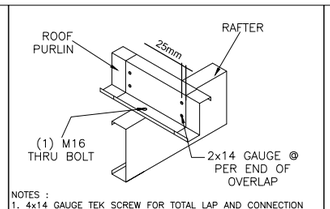
A	HAUNCH CONNECTION	DWG NO: K31BB



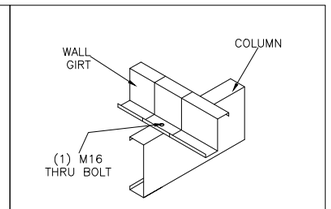
B	APEX CONNECTION	DWG NO: AP31BB



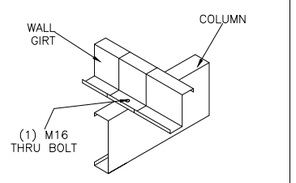
C	MULLION FIXING ANGLE BRACKET	DWG NO MFA8



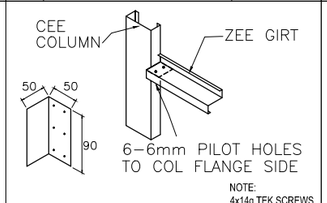
D_P	PURLIN CONNECTION DETAIL	DWG NO PPCON6L



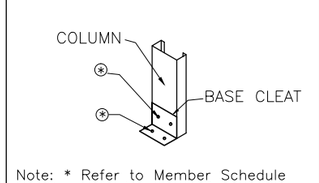
D_G	GIRT CONNECTION DETAIL	DWG NO PGCON6N



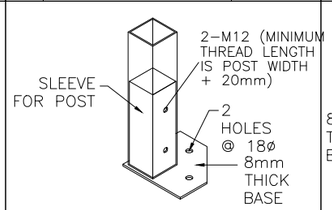
E_G	ENDWALL GIRT CONNECTION DETAIL	DWG NO PEGCON6N



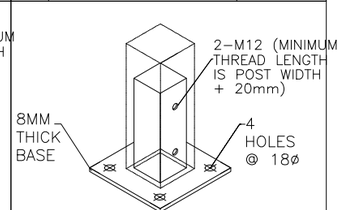
E	END WALL GIRT CONNECTION	DWG NO EG6-PH



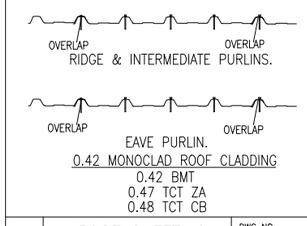
F	BASE CONNECTION	DWG NO BC10



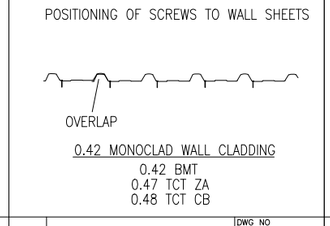
F_{pc}	BASE CONNECTION DETAIL	DWG NO BCSHSO



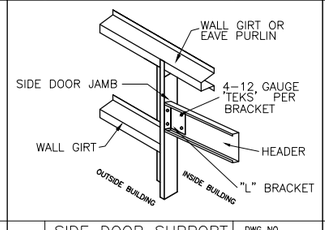
B	BASE CONNECTION DETAIL	DWG NO BCSHS4



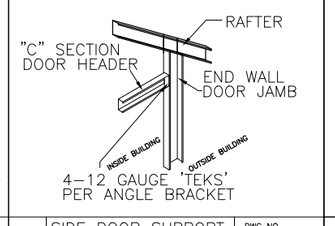
G	ROOF SHEETING PROFILE	DWG NO R1NC4



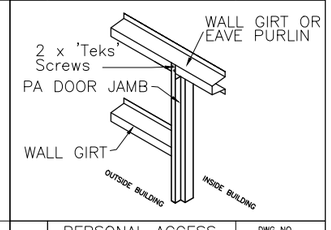
H	WALL SHEET PROFILE	DWG NO W1NC4



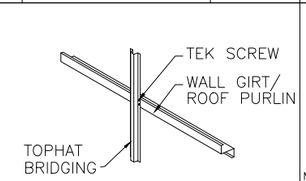
I	SIDE DOOR SUPPORT CONNECTION	DWG NO DFRS



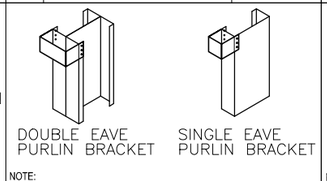
J	SIDE DOOR SUPPORT CONNECTION	DWG NO DFRG



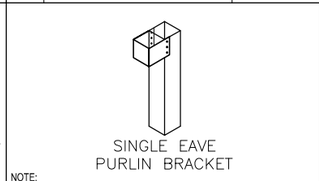
K	PERSONAL ACCESS DOOR	DWG NO PADD1



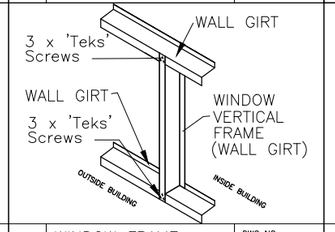
N	BRIDGING DETAIL	DWG NO PGBZ



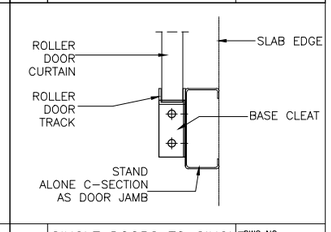
O	EAVE PURLIN BRACKET	DWG NO EPB-PH



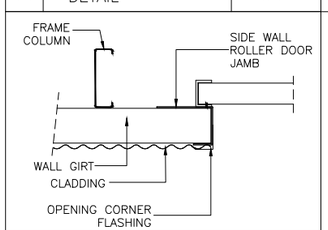
O	EAVE PURLIN BRACKET	DWG NO EPBSHS-PH



W	WINDOW FRAME ATTACHMENT DETAIL	DWG NO WADZ



U	SINGLE DOORS TO SINGLE ROLLER DOOR JAMB	DWG NO SDSRM



U	SIDEWALL ROLLER DOOR JAMB	DWG NO SRDJ

MEMBER AND MATERIAL SCHEDULE

1	END WALL RAFTER	Single C20024
2	C.S. FRAME RAFTER	Single C20024
3	END FRAME COLUMN (C1)	Single C20024
4	C.S. FRAME COLUMN (C1)	Single C20024
5	MULLION (C2)	Single C20015
6	RL END FRAME OPEN CORNER COLUMN (C3)	Single 75x75x2.5mm thk SHS
7	RL OPEN BAY COLUMN (C3)	Single 75x75x2.5mm thk SHS
8	C.S. FRAME KNEE BRACE	Single C15012 @ 1.39 LONG 4 bolts each end
9	KNEE BRACE HEIGHT UP COLUMN	2.89m
10	KNEE BRACE LENGTH UP RAFTER	0.98m
11	C.S. FRAME APEX BRACE	Single C15012 @ 3.04 LONG 2 bolts each end
12	APEX POSITION FROM RAFTER END	1.51m
13	END WALL RL RAFTER	Single C15012
14	C.S. RL RAFTER	Single C15012
15	ANCHOR BOLTS (# PER DETS.)	Screw Anchor 16mm x 100 Galv
16	RL ANCHOR BOLTS (# PER DETS.)	Screw Anchor 12mm x 100 Galv
17	EAVE PURLIN	C10010 (Eave Purlin Bracket 0mm from top of column)
18	RIGHT LEANTO EAVE PURLIN	C10010 (Eave Purlin Bracket 0mm from top of column)
19	TYP. ROOF PURLIN SIZE	Z10015 (1 rows of bridging)
20	MAIN BLDG. PURLIN SPACING	0.891 m. (5 rows) (Max Allow. 0.899m)
21	MAIN BLDG. PURLIN LENGTH	4.95 m. (0.45m Overlap)
22	ROOF PURLIN BRIDGING	Tophat 64 x 0.75
23	RIGHT LEANTO PURLIN SPACING	0.731 m. (4 rows) (Max Allow. 0.899m)
24	TYP. SIDEWALL GIRT SIZE	Z10015 (1 rows of bridging)
25	MAIN BLDG. SIDEWALL GIRT SPACING	1.116 m. (3 rows) (Max Allow. 1.228m)
26	MAIN BLDG. SIDEWALL GIRT LENGTH	4.8 m. (0.3m Overlap)
27	SIDEWALL GIRT BRIDGING	Tophat 64 x 0.75
28	RIGHT LEANTO SIDEWALL GIRT SPACING	0.771 m. (0 rows) (Max Allow. 0.908m)
29	TYP. ENDWALL GIRT SIZE	Z10015 (1 rows of bridging)
30	MAIN BLDG. ENDWALL GIRT SPACING	1.289 m. (3 rows) (Max Allow. 1.315m)
31	MAIN BLDG. ENDWALL GIRT LENGTH	4.5 m. (0.3m Overlap)
32	ENDWALL GIRT BRIDGING	Tophat 64 x 0.75
33	FRAME SCREW FASTENERS	14-13x22 Hex C/S (SP HD 5/16" Hex Drive)
34	FRAME BOLT FASTENERS	Purlin Assy M12x30 Z/P
35	PURLIN/GIRT FASTENERS	Purlin Assy M16x30 Z/P
36	RIGHT LEANTO SHS FRAME BOLT FASTENERS	Hex 4.6 Gal M12x100
37	X-BRACING STRAP AND FASTENERS	38 x 1.6mm Strap with 5 x 14g Tek Screws Each End
38	WALL COLOUR	JASPER
39	ROOF COLOUR	JASPER
40	ROLLER DOOR COLOUR	DUNE
41	P.A. DOOR COLOUR	DUNE
42	WINDOW COLOUR	DUNE
43	GLASS SLIDING DOOR COLOUR	DUNE
44	ROOF VENT COLOUR	JASPER
45	DOWNPIPE COLOUR	DUNE
46	GUTTER COLOUR	DUNE
47	CORNER FLASHING COLOUR	DUNE
48	BARGE FLASHING COLOUR	DUNE
49	OPENING FLASHING COLOUR	DUNE
50	OPEN BAY HEADER HEIGHT	0.5

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

SHEET 5 OF 7

JOB NO. FDYA130381

DATE 7/3/2025

CHECKED TM

DRAWN FDB

STEEL BUILDING BY

(CONTACT)

FAIR DINKUM BUILDS YASS
02 6226 4377

FOR

(CHAY) LACHLAN

AT

27 KENILWORTH LANE
YASS

SHED SAFE accredited

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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. PE0002216
Registered Engineer - (Civil) TAS	Regn. No. CC5648M

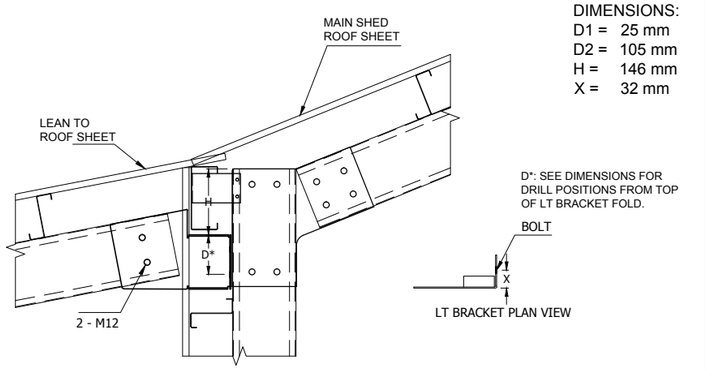
Mr Timothy Roy Messer BE MIEAust RPEQ

Signature .....

Date 7/3/2025

Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register

InnerConnectionRightLeanto



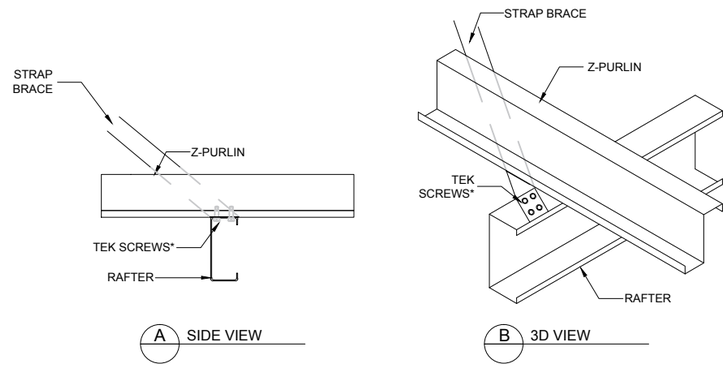
DIMENSIONS:
D1 = 25 mm
D2 = 105 mm
H = 146 mm
X = 32 mm

REFER TO MEMBER SCHEDULE ON THE ENGINEERING PLANS FOR TEK SCREWS SPECIFICATIONS.

SBOLTBCRLSYZGPL2H

LEANTO BRACKET CONN-RAFTER INNER
LOW SIDE-ZED-ZERO DROP-FLAT-2 HOLE
A 6

StrapBracingRoof

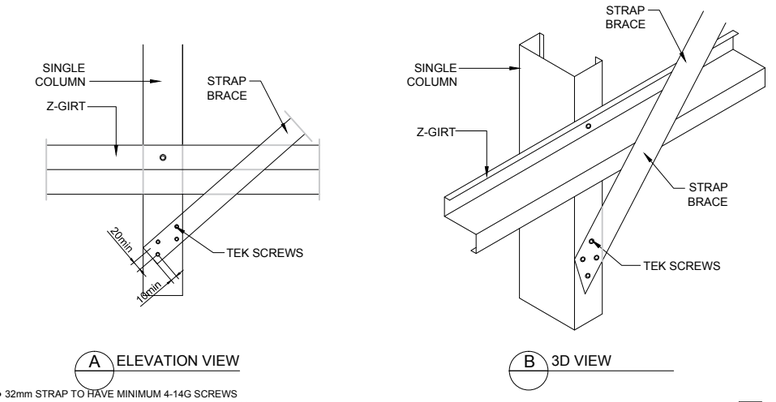


* 32mm STRAP TO HAVE MINIMUM 4-14G SCREWS
* 38mm & 50mm STRAP TO HAVE MINIMUM 5-14G SCREWS
STRAP BRACE TEK SCREWED TO UNDERSIDE OF PURLIN.
REFER TO MEMBER SCHEDULE ON THE ENGINEERING PLANS FOR TEK SCREWS AND STRAP BRACE SPECIFICATIONS.

ROOF STRAP BRACE DETAIL
Z-PURLIN
B 6

SBOLTBCRLSYZWA1

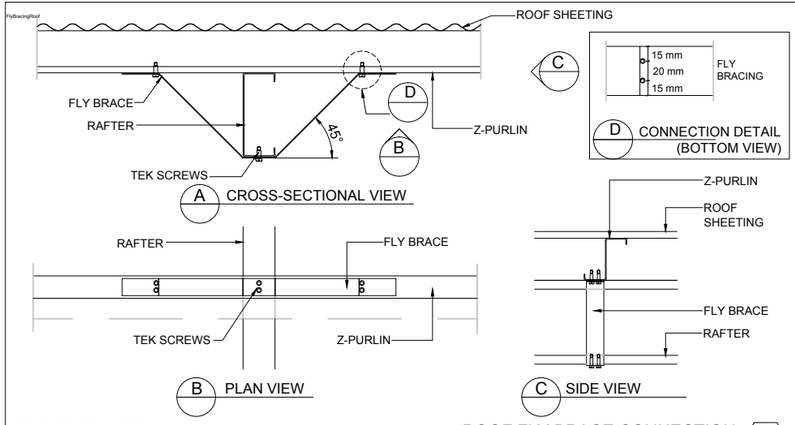
StrapBracingWall



● 32mm STRAP TO HAVE MINIMUM 4-14G SCREWS
● 38mm & 50mm STRAP TO HAVE MINIMUM 5-14G SCREWS
STRAP BRACE IS BENT OVER GIRT AND TEK SCREWED TO FLANGE OF COLUMN.
REFER TO MEMBER SCHEDULE ON THE ENGINEERING PLANS FOR TEK SCREWS AND STRAP BRACE SPECIFICATIONS.

WALL STRAP BRACE DETAIL
Z-GIRT
C 6

FlyBracingRoof

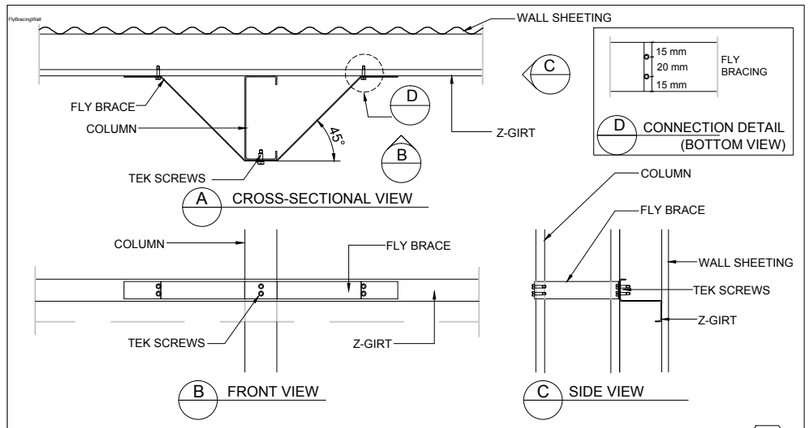


G550 FLY BRACE, 0.55 BMT.
REFER TO MEMBER SCHEDULE ON THE ENGINEERING PLANS FOR TEK SCREWS SPECIFICATIONS.

SBOLTBCRLSY

ROOF FLY BRACE CONNECTION
Z PURLIN
D 6

FlyBracingWall



G550 FLY BRACE, 0.55 BMT.
REFER TO MEMBER SCHEDULE ON THE ENGINEERING PLANS FOR TEK SCREWS SPECIFICATIONS.

SBOLTBCRLSYWA

WALL FLY BRACE CONNECTION
Z GIRT
E 6

FlyBracingSchedule

FLY BRACING SCHEDULE

FRAME	GIRT/PURLIN	PRODUCT
C150	Z100	FBS150100ZA0573
C200	Z100	FBS200100ZA0729

REFER TO MEMBER SCHEDULE ON THE ENGINEERING PLANS FOR TEK SCREWS SPECIFICATIONS.

SBOLTBCRLS

FLY BRACE SCHEDULE
F 6

SHEET 6 OF 7

JOB NO. FDYA130381

DATE 7/3/2025

CHECKED TM

DRAWN FDB

STEEL BUILDING BY (CONTACT)
FAIR DINKUM BUILDS YASS
02 6226 4377
FOR (CHAY) LACHLAN
AT 27 KENILWORTH LANE
YASS

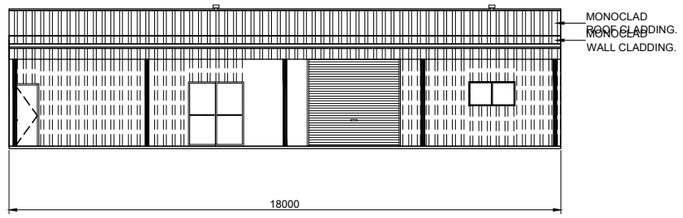
SHED SAFE accredited

FAIR DINKUM BUILDS

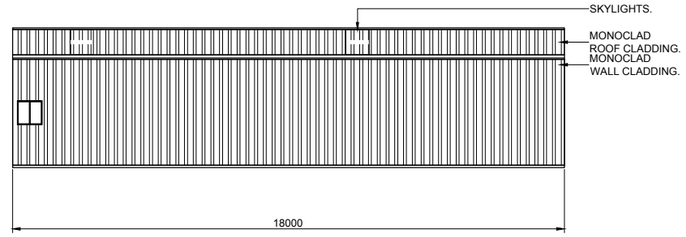
NORTHERN CONSULTING engineers
Civil & Structural Engineers
50 Punari Street
Currajong, Qld 4812
Fax: 07 4725 5850
Email: design@nceng.com.au
ABN 341 008 173 56

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. PE0002216
Registered Engineer - (Civil) TAS	Regn. No. CC5648M

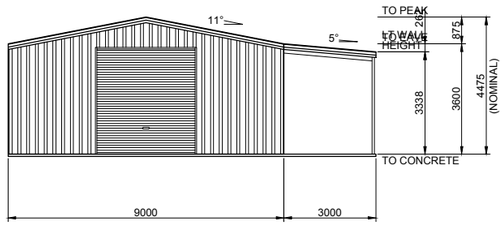
Mr Timothy Roy Messer BE MIEAust RPEQ
Signature .....
Date 7/3/2025
Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register



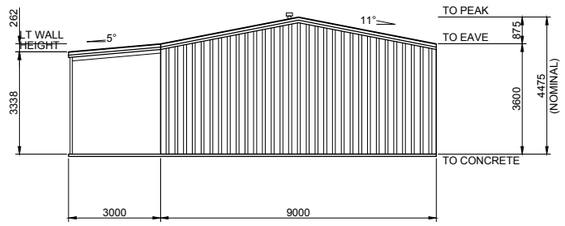
1/7 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 200



2/7 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 200



4/7 ENDWALL EXTERIOR ELEVATION
SCALE: 1 = 200



3/7 ENDWALL EXTERIOR ELEVATION
SCALE: 1 = 200

BUILDING COLOURS

WALL	JASPER
ROOF	JASPER
ROLLER DOOR	DUNE
P.A. DOOR	DUNE
WINDOW	DUNE
GLASS SLIDING DOOR	DUNE
ROOF VENT	JASPER
DOWNPIPE	DUNE
GUTTER	DUNE
CORNER FLASHING	DUNE
BARGE FLASHING	DUNE
OPENING FLASHING	DUNE

SHEET 7 OF 7

JOB NO. FDYA130381

DATE 7/3/2025

CHECKED TM

DRAWN FDB

STEEL BUILDING BY

(CONTACT)

FAIR DINKUM BUILDS YASS
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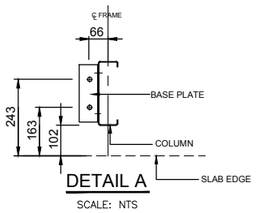
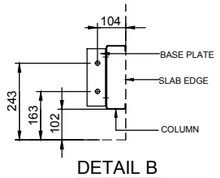
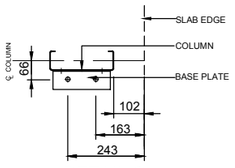


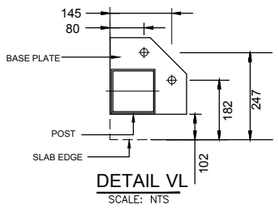
DETAIL A
SCALE: NTS



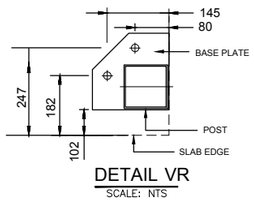
DETAIL B
SCALE: NTS



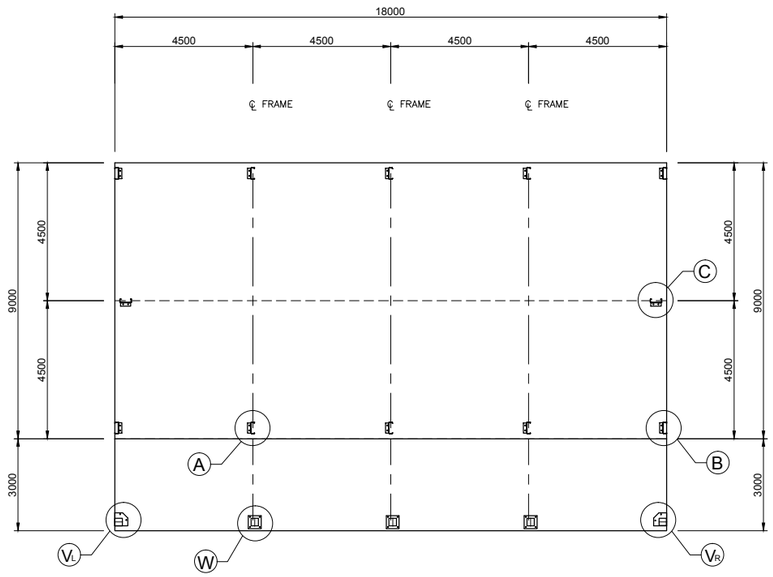
DETAIL C
SCALE: NTS



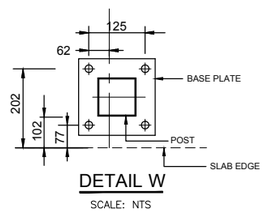
DETAIL VL
SCALE: NTS



DETAIL VR
SCALE: NTS



1/1 BOLT LAYOUT PLAN
SCALE: 1 = 200



DETAIL W
SCALE: NTS

NOT PART OF COUNCIL APPLICATION DOCUMENTATION

IF YOU HAVE A ROLLER DOOR IN THE GABLE END OF YOUR SHED, CONTACT YOUR DISTRIBUTOR TO SEE IF MULLION NEEDS TO BE ROTATED FOR USE AS A DOOR JAMB.

JOB NO. FDYA130381
DATE 7/3/2025
CHECKED TM
DRAWN FDB

STEEL BUILDING BY
FAIR DINKUM BUILDS YASS
02 6226 4377
FOR
(CHAY) LACHLAN
AT
27 KENILWORTH LANE
YASS

1/1/3/2025

FAIR DINKUM BUILDS™

BOLT LAYOUT PLAN

COMPLIANCE CERTIFICATE FOR BUILDING DESIGN

Property Description
Street address (include number, street, suburb/locality & postcode)

27 KENILWORTH LANE
YASS Postcode : 2582

Description of Component/s Certified
Clearly describe the extent of work covered by this certificate.

Steel Portal Frame Structure.
9m span x 18m O/A length x 3.6m eaves height.
Consisting of 4 bays at 4.5m spacing.
Right leanto with 3m span.

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 4600-2018, AS/NZS 1170.0,.1-2002, 1170.2-2021, 1170.3-2003, 1170.4-2007, AS2870-2011, AS3600-2018, AS5216-2021

2022 National Construction Code of Australia	NCC Building Classification: Class 10a
Region AS1170.2 = Reg A	Factor for Region = NA
NCC Importance Level = 2	NCC Equivalent Wind class = N/A
Annual Probability Exceedance wind = 1:500	Design Roof Live Load = 0.25 kPa

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) = 0.91	Shielding Multiplier M_s = 1
Topographic multiplier Mt = 1	Design Wind Speed = 41 m/s
Ext. Pressure Coefficient cpe = −0.65, 0.70	Int. Pressure Coefficient cpi = −0.3, 0.17

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

Drawing Nos: 'Fair Dinkum Builds' Structural Design Drawing
To be read in conjunction with Pages 1 to 7
For Job Number: FDYA130381 DATED : 7/3/2025
Specifications:
Computations:
Test Reports:
Other Documentation:

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 aspect of the design, building or inspection of the building work because of the person's skill and experience in the aspect. The competent person must also be registered or licensed under a law applying in the state to practice the aspect.

A COPY OF A CURRENT CV AND PROFESSIONAL REGISTRATION DETAILS MUST BE PROVIDED WITH THE CERTIFICATE

Name:	Timothy Roy Messer
Company Name (If applicable):	Northern Consulting Engineers
Postal Address:	50 Punari Street, Currajong 4812
Contact Person:	Timothy Roy Messer
Telephone Number:	07 4725 5550
Mobile Number:	N/A
Fax Number:	07 4725 5850
Email Address:	design@nceng.com.au
License or Registration Number:	2558980

Copy of CV Attached: Tick Box — Y ☐ or N ☒

Signature of Competent Person
This form may be used by competent persons to certify the design of a material, system, method of building, building element design or other thing.

If the competent person is a licensed company the authorised person of the company is to sign the form.

I certify that the item/s described above, if installed or carried out in accordance with the information contained in this certificate, including any referenced documentation, will comply with the National Construction Code of Australia/relevant Australian or International Standard.

Signature of competent person: T. Messer Date: 7/3/2025

LOCAL GOVERNMENT USE ONLY

Date received		Reference Number/s		