

1 FOUNDATION PLAN AND MEMBER LAYOUT
SCALE: 1 = 100

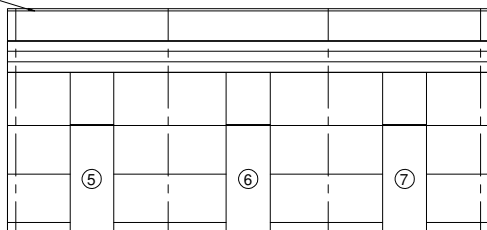
B2B - BACK TO BACK COLUMNS AT THIS LOCATION.

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

OF 1 SHEET 6	JOB NO. HITTO11831	DATE 26/10/2011	CHECKED TM	DRAWN FDHS	STEEL BUILDING BY DINKY-DI-SHEDS & AFFORDABLE HOMES FOR FAYWOOD FARM MATTHEW HORWOOD AT 95 BASIN ROAD WAMURAN BASIN	(CONTACT) 1800 785 224			Civil & Structural Engineers 50 Punari Street Curralong, Qld 4812 Fax: 07 4725 5850 Email: design@nceng.com.au ABN 341 008 173 96	Mr Timothy Roy Messer BE MIEAust RPEQ Registered Professional Engineer 2558980 Signature <i>T. Messer</i> Date 26/10/11 Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register
	Registered Chartered Professional Engineer Registered Professional Engineer (Civil & Structural) QLD Registered Certifying Engineer (Structural) N.T. Registered Engineer - (Civil) VIC Registered Engineer - (Civil) TAS	Regn. No. 2558980 Regn. No. 9985 Regn. No. 116373ES Regn. No. EC36882 Regn. No. CC5648M								

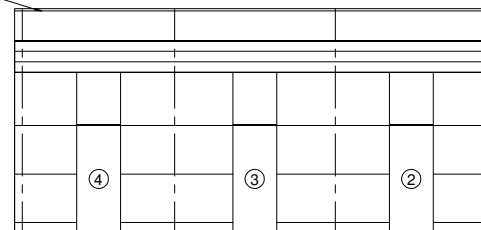
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ROOF PURLINS PER MEMBER SCHEDULE ON SHEET 5

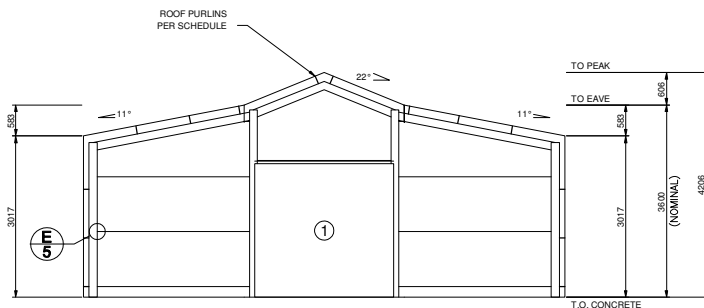


1 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 100

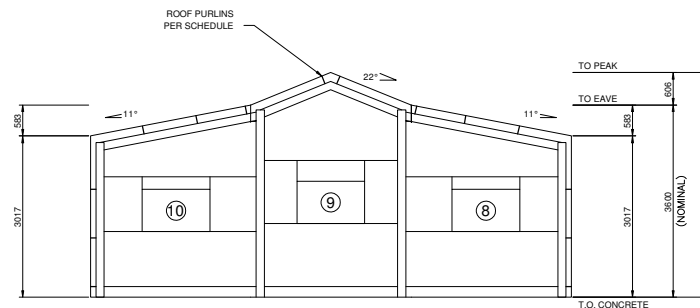
ROOF PURLINS PER MEMBER SCHEDULE ON SHEET 5



2 SIDEWALL EXTERIOR ELEVATION
SCALE: 1 = 100



4 ENDWALL INTERIOR ELEVATION
SCALE: 1 = 100

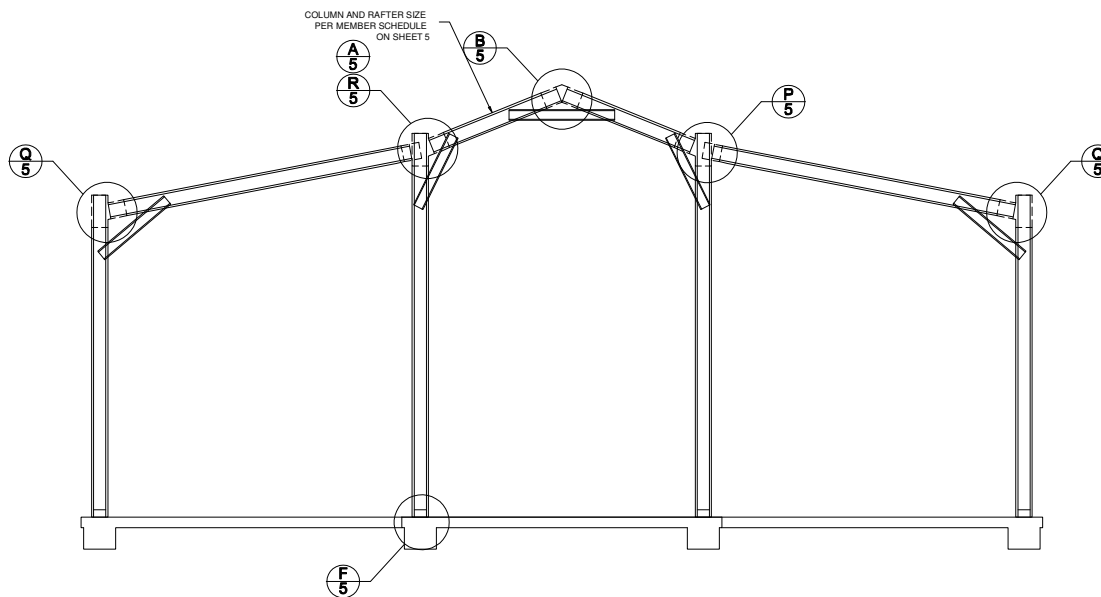


3 ENDWALL INTERIOR ELEVATION
SCALE: 1 = 100

Diagonal X Bracing not required in this building.
Cladding Diaphragm Sufficient. Fly Bracing is included in this building to be placed on every second Purlin/Girt.

NOTE: CLADDING OMITTED FOR CLARITY. SEE SHEET #5 FOR CLADDING DETAILS.

OF 2 SHEET 6	JOB NO. HTT011831	DATE 26/10/2011	CHECKED TM	DRAWN FDHS	STEEL BUILDING BY DINKY-DI-SHEDS & AFFORDABLE HOMES FOR FAYWOOD FARM MATTHEW HORWOOD AT 95 BASIN ROAD WAMURAN BASIN	(CONTACT) 1800 785 224			Civil & Structural Engineers 50 Punari Street Currajong, Qld 4812 Fax: 07 4725 5850 Email: design@nceng.com.au ABN 341 008 173 96	Mr Timothy Roy Messer BE MIEAust RPEQ Registered Professional Engineer 2558980 Signature <i>T. Messer</i> Date <u>26/10/11</u> Registered on the NPFR in the areas of practice of Civil & Structural National Professional Engineers Register
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1 INTERNAL FRAME SECTION
3 SCALE: 1 = 50

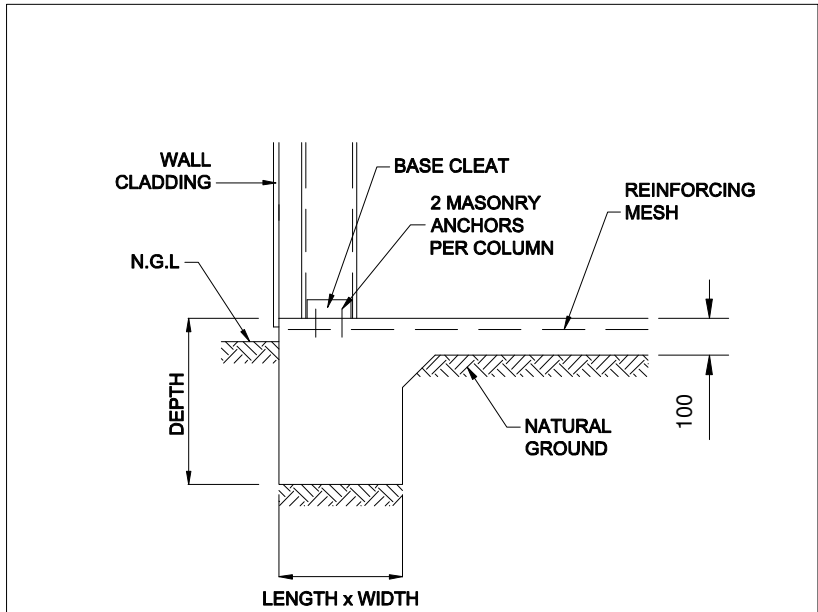
Refer to Sheet #4 for concrete specification.

OF 3 SHEET 6	JOB NO. HTT011831	DATE 26/10/2011	CHECKED TM	DRAWN FDHS	STEEL BUILDING BY DINKY-DI-SHEDS & AFFORDABLE HOMES FOR 1800-785 224 AT FAYWOOD FARM MATTHEW HORWOOD 95 BASIN ROAD WAMURAN BASIN	(CONTACT) 	 NORTHERN CONSULTING engineers Email: design@nceng.com.au ABN 341 008 173 96	Civil & Structural Engineers 50 Punari Street Currajong, Qld 4812 Fax: 07 4725 5850	Mr Timothy Roy Messer BE MIEAust RPEQ Registered Professional Engineer 2558980 Signature <i>T. Messer</i> Date 26/10/11 Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register
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STRUCTURAL GENERAL NOTES

- GOVERNING CODE:** BUILDING CODE OF AUSTRALIA (BCA), LOADING TO AS1170 - ALL SECTIONS, BUILDING SUITABLE FOR DOMESTIC/LIGHT INDUSTRIAL USE UNLESS OTHERWISE SPECIFICALLY NOTED.
- 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.
- DRAWING 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 CUSTOMER'S 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.
- 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 OF 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 PROJECT MANAGER IS RESPONSIBLE FOR ADDRESSING ANY OTHER CODE REQUIREMENTS APPLICABLE TO THIS DEVELOPMENT. 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 CONTRACTOR TO CHECK THESE DRAWINGS WITH OTHER PLANS AND 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.
- 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 CONTRACTOR TO CHECK THESE DRAWINGS WITH OTHER PLANS AND 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.
- INSTRUCTIONS:** 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.
- 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.
- CLASS 10a ROOFING DESIGNS:** THE FOUNDATION DOCUMENTED IS APPROPRIATE FOR CLASS 10a BUILDING DESIGNS ON 'M-D', 'H', 'H-D' OR 'E' CLASS SOILS, IF TOTAL SLAB AREA IS UNDER 100m² AND THE MAXIMUM SLAB DIMENSION (LENGTH AND WIDTH) IS LESS THAN 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.
- 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 S172 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.
- 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.
- DESIGN WIND REQUIREMENT:** THE FRAME AS A BASIC STRUCTURE IS DESIGNED AS AN "AIR LEAKY BUILDING" IN COMPLIANCE WITH AS 1170.5.3, AS SUCH, SHOULD A WINDOW OR DOOR FAIL, INTEGRITY OF THE BUILDING WILL BE MAINTAINED.
- 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.



Length x Width x Depth (mm)
350 x 350 x 300

N.G.L - NATURAL GROUND LINE

Y	BLOCK LOCAL THICKENING DETAIL	DWG NO: SBLMA
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PROJECT DESIGN CRITERIA

ROOF LIVE LOAD: 0.32 kPa
 BASIC WIND SPEED: VR 57 m/s
 SITE WIND SPEED: V_{sit}, B 50 m/s
 WIND REGION: Reg B
 TOPOGRAPH FACTOR, k_t : 1
 SHIELDING FACTOR, k_s : 1
 MAX GROUND SNOW LOAD: NA
 MAX ROOF SNOW LOAD: NA
 SITE ALTITUDE: NA
 TERRAIN CATEGORY: Tc at 2.5
 SOIL SAFE BEARING CAPACITY: 100 kPa
 RETURN PERIOD: 1:500
 LIMITING CPI 1: -0.3
 LIMITING CPI 2: 0
 IMPORTANCE LEVEL: 2

DETAIL KEYS

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

DOOR SCHEDULE

DOOR	WIDTH	HEIGHT	OPENING TYPE	HEADER GIRT	OPENING JAMBS
①	2600	2500	2.5M X 2.05M CB FIRMADOCOR RD		SINGLE
②	820	2040	PA DOOR FRAME 1 ZINC STANDARD		SINGLE
③	820	2040	PA DOOR FRAME 1 ZINC STANDARD		SINGLE
④	820	2040	PA DOOR FRAME 1 ZINC STANDARD		SINGLE
⑤	820	2040	PA DOOR FRAME 1 ZINC STANDARD		SINGLE
⑥	820	2040	PA DOOR FRAME 1 ZINC STANDARD		SINGLE
⑦	820	2040	PA DOOR FRAME 1 ZINC STANDARD		SINGLE
⑧	1270	790	WINDOW		SINGLE
⑨	1270	790	WINDOW		SINGLE
⑩	1270	790	WINDOW		SINGLE

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

4 OF 6 SHEET
 JOB NO. HT1011831
 DATE 26/10/2011
 CHECKED TM
 DRAWN FDHS

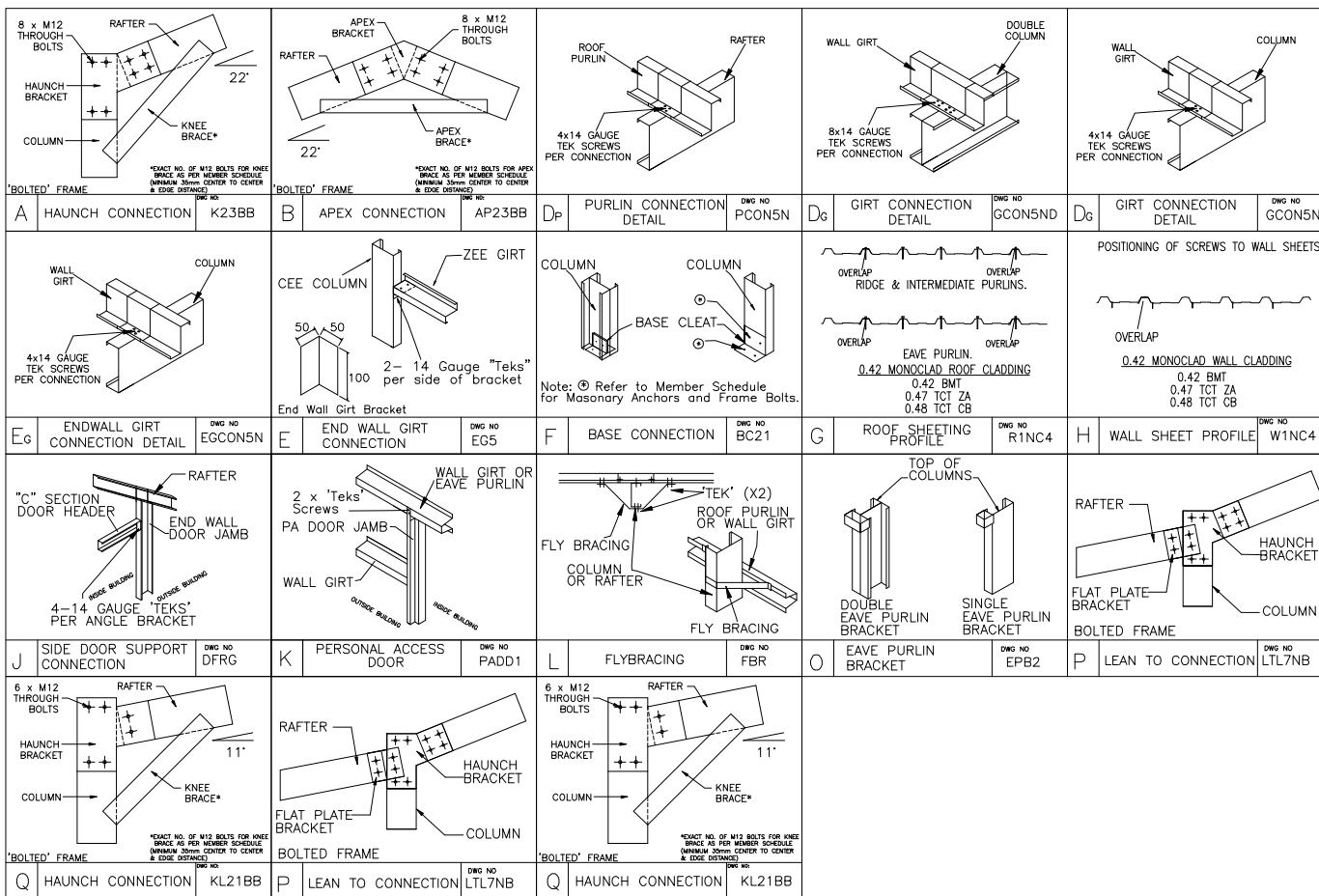
STEEL BUILDING BY (CONTACT)
DINKY-DI-SHEDS & AFFORDABLE HOMES
 FOR 1800 735 224
 AT **FAYWOOD FARM MATTHEW HORWOOD**
 95 BASIN ROAD
 WAMURAN BASIN

fairdinkum SHEDS
 SHED SALES

NORTHERN CONSULTING engineers
 Civil & Structural Engineers
 50 Punari Street
 Currarong, Qld 4812
 Fax: 07 425 5850
 Email: design@nceng.com.au
 ABN 341 008 173 56

Mr Timothy Roy Messer BE MIEAust RPEQ
 Registered Professional Engineer 2558980
 Signature: *T. Messer*
 Date: 26/10/11
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MEMBER AND MATERIAL SCHEDULE

1	C.S. FRAME RAFTER	Single C15024
2	C.S. FRAME COLUMN	Double C15012
3	C.S. FRAME KNEE BRACE	Single C10010 @ 0.89m LONG. 2 bolts each end
4	KNEE BRACE HEIGHT UP COLUMN	2.88m
5	KNEE BRACE LENGTH UP RAFTER	0.32m
6	C.S. FRAME APEX BRACE	Single C10010 @ 0.99m LONG. 2 bolts each end
7	APEX POSITION FROM RAFTER END	0.53m
8	ENDWALL RAFTER	C15024
9	ENDWALL COLUMN	C15012
10	C.S. LEFT LEANTO RAFTER	Single C15024
11	C.S. LEFT LEANTO COLUMN	Single C15012
12	C.S. LEFT LEANTO KNEE BRACE	Single C10010 @ 0.5m LONG. 2 bolts each end
13	L. LEANTO KNEE BRACE HEIGHT UP COLUMN	2.41m
14	L. LEANTO KNEE BRACE LENGTH UP RAFTER	0.31m
15	LEFT LEANTO ENDWALL RAFTERS	C15024
16	LEFT LEANTO ENDWALL COLUMN	C15012
17	C.S. RIGHT LEANTO RAFTER	Single C15024
18	C.S. RIGHT LEANTO COLUMN	Single C15012
19	C.S. RIGHT LEANTO KNEE BRACE	Single C10010 @ 0.5m LONG. 2 bolts each end
20	R. LEANTO KNEE BRACE HEIGHT UP COLUMN	2.41m
21	R. LEANTO KNEE BRACE LENGTH UP RAFTER	0.31m
22	RIGHT LEANTO ENDWALL RAFTERS	C15024
23	RIGHT LEANTO ENDWALL COLUMN	C15012
24	ENDWALL VERTICAL MULLIONS	Single C15015
25	ANCHOR BOLTS (IF PER DETS.)	Steeve Anchor 12.0x75 Z/Y
26	EAVE PURLIN	C10015 (Eave Purlin Bracket 7mm down from top of column)
27	LEFT LEANTO EAVE PURLIN	C10015 (Eave Purlin Bracket 0mm down from top of column)
28	RIGHT LEANTO EAVE PURLIN	C10015 (Eave Purlin Bracket 0mm down from top of column)
29	TYP. ROOF PURLIN SIZE	Z10010
30	MAIN BLDG. PURLIN SPACING	1.50 m. (1 rows) (Max Allow. 1.47m)
31	MAIN BLDG. PURLIN LENGTH	3.1 m. (0.1m Overlap)
32	LEFT LEANTO PURLIN SPACING	1.02 m. (3 rows) (Max Allow. 1.47m)
33	RIGHT LEANTO PURLIN SPACING	1.02 m. (3 rows) (Max Allow. 1.47m)
34	TYP. SIDEWALL GIRTS SIZE	Z10010
35	MAIN BLDG. SIDEWALL GIRTS SPACING	1.10 m. (3 rows) (Max Allow. 1.32m)
36	MAIN BLDG. SIDEWALL GIRTS LENGTH	3.1 m. (0.1m Overlap)
37	LEFT LEANTO SIDEWALL GIRTS SPACING	0.91 m. (3 rows) (Max Allow. 1.32m)
38	RIGHT LEANTO SIDEWALL GIRTS SPACING	0.91 m. (3 rows) (Max Allow. 1.32m)
39	TYP. ENDWALL GIRTS SIZE	Z10010
40	MAIN BLDG. ENDWALL GIRTS SPACING	1.18 m. (3 rows) (Max Allow. 1.32m)
41	MAIN BLDG. ENDWALL GIRTS LENGTH	2.49 m. (0m Overlap)
42	LEFT LEANTO ENDWALL GIRTS SPACING	1.03 m. (3 rows) (Max Allow. 1.32m)
43	RIGHT LEANTO ENDWALL GIRTS SPACING	1.03 m. (3 rows) (Max Allow. 0.79m)
44	FRAME SCREW FASTENERS	14-13x22 Hex C/S (SP HD 5/16" Hex Drive)
45	FRAME BOLT FASTENERS	Purlin Assy M12x30 Z/P
46	X-BRACING STRAP AND FASTENERS	None required for this building. Cladding Diaphragm Sufficient.
47	WALL COLOUR	PALE_EUCALYPT
48	ROOF COLOUR	PALE_EUCALYPT
49	ROLLER DOOR COLOUR	CLASSIC_CREAM
50	P.A. DOOR COLOUR	MANOR_RED
51	WINDOW COLOUR	CLASSIC_CREAM
52	DOWNPIPE COLOUR	MANOR_RED
53	GUTTER COLOUR	MANOR_RED
54	CORNER FLASHING COLOUR	MANOR_RED
55	BARGE FLASHING COLOUR	MANOR_RED
56	OPENING FLASHING COLOUR	MANOR_RED
57	OPEN BAY HEADER HEIGHT	0.5

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

5 OF 6 SHEET
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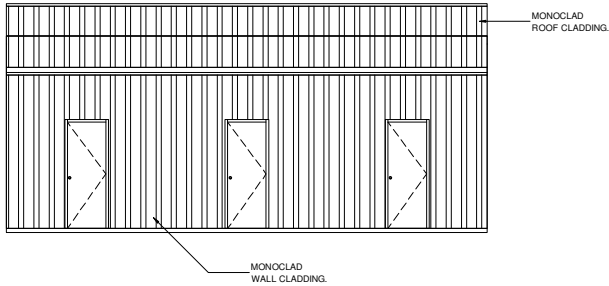
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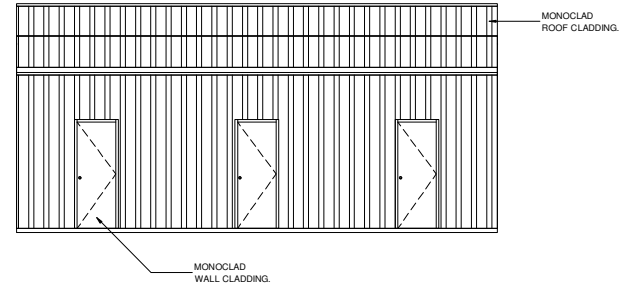
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Registered Engineer - (Civil) VIC
Registered Engineer - (Civil) TAS
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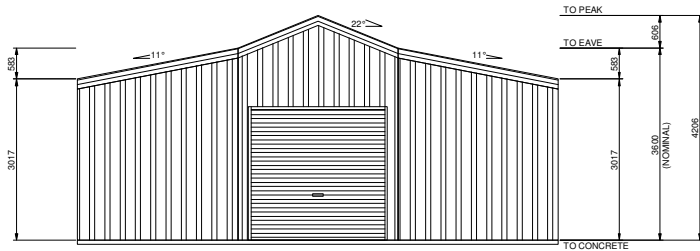
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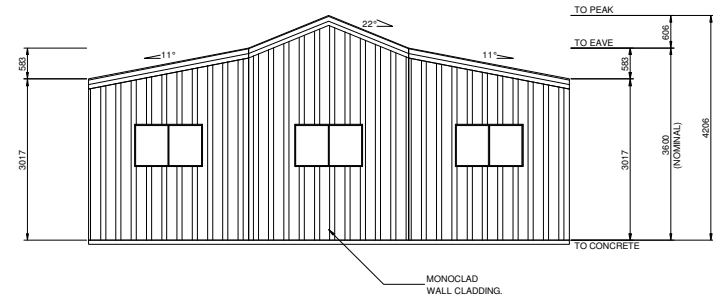
1 **SIDEWALL EXTERIOR ELEVATION**
6 SCALE: 1 = 100



2 **SIDEWALL EXTERIOR ELEVATION**
6 SCALE: 1 = 100



4 **ENDWALL EXTERIOR ELEVATION**
6 SCALE: 1 = 100



3 **ENDWALL EXTERIOR ELEVATION**
6 SCALE: 1 = 100

BUILDING COLOURS

WALL	PALE EUCALYPT
ROOF	PALE EUCALYPT
ROLLER DOOR	CLASSIC CREAM
P.A. DOOR	MANOR RED
WINDOW	CLASSIC CREAM
DOWNPIPE	MANOR RED
GUTTER	MANOR RED
CORNER FLASHING	MANOR RED
BARGE FLASHING	MANOR RED
OPENING FLASHING	MANOR RED

6 OF 6 SHEET
 JOB NO. HIT011831
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NOTES

BRACING MATERIALS = THE SHED ERECTOR TO SUPPLY SPECIFIC BRACING. SUITABLE RIGID MEMBERS CAPABLE OF TENSION AND COMPRESSION OR OPPOSING CHAINS OR OPPOSING LOAD RATED RATCHET STRAPS TO BE USED. (RIGID BRACING AS SHOWN ON DIAGRAM) ROPE BRACING SUITABLE ONLY FOR SMALLER STRUCTURES IN IDEAL CONDITIONS.

BRACING LOCATION = TEMPORARY BRACING TO BE ERECTED AS CLOSE TO 45 DEGREE ANGLE AND FIXED TO THE TOP OF THE COLUMN OR MULLION TO ACHIEVE THE OPTIMUM EFFECTIVENESS. IF THERE IS NOT ENOUGH SPACE FOR A 45 DEGREE ANGLE, THEN 20 DEGREE ANGLE IS TO BE THE MINIMUM ANGLE ALLOWED (REFER TO DIAGRAM). RIGID TEMPORARY BRACING MEMBER TO BE BOLTED TO HEAVY ANGLE PEGS HAMMERED INTO THE GROUND OR TO A BRACKET, MASONRY ANCHORED TO THE SLAB.

BRACING REMOVAL = TEMPORARY BRACING TO REMAIN IN PLACE UNTIL CLADDING IS FULLY INSTALLED WHERE POSSIBLE. IN NO CASE SHOULD TEMPORARY BRACING BE REMOVED UNTIL ALL PURLINS, GIRTS (AND PERMANENT CROSS BRACING WHERE USED) ARE FIXED.

SITE SAFETY = DUE CONSIDERATION TO BE GIVEN TO SITE SAFETY IN REGARD TO LOCATIONS OF BRACING AND PEGS.

GUIDE APPLICATION = TEMPORARY BRACING AS DESCRIBED IS A MINIMUM REQUIREMENT FOR AN AVERAGE, STANDARD SITE CONDITION. PROVIDE ADDITIONAL BRACING FOR MORE SEVERE AND/OR HIGH EXPOSURE SITE CONDITIONS. ADDITIONAL BRACING TO BE USED AS AND WHERE NECESSARY TO ENSURE THAT ENTIRE FRAME IS RIGID THROUGHOUT CONSTRUCTION. RESPONSIBILITY FOR ENSURING STABILITY OF STRUCTURE REMAINS WITH THE BUILDER.

TILT UP METHOD
FOR STRUCTURES UNDER =M SPAN, LESS THAN 3M HIGH AND LESS THAN =2M LONG

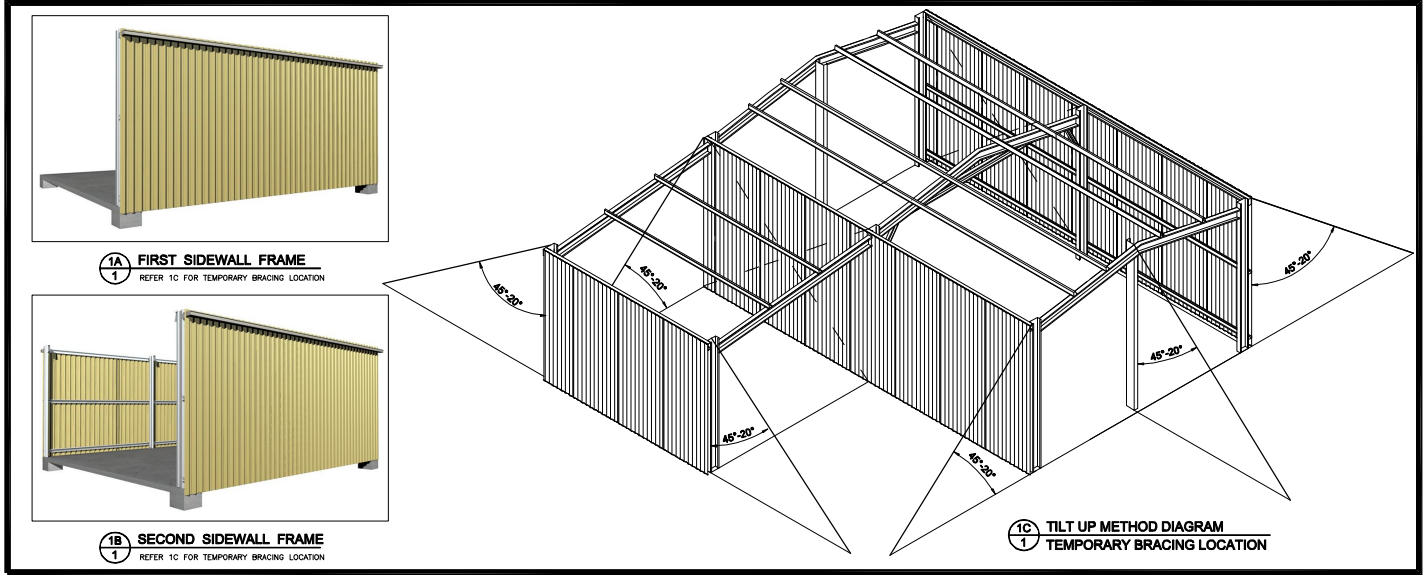
- ASSEMBLE THE FIRST SIDEWALL FRAME (COMPLETE WITH WALL SHEETING, BRACING AND GUTTER) ON THE GROUND AND LIFT ASSEMBLED SIDEWALL FRAME INTO POSITION. FIX OFF TEMPORARY SIDE BRACING TO EACH END (REFER TO DIAGRAM). FIX BASE CLEATS.
- ASSEMBLE THE SECOND SIDEWALL FRAME AS PER FIRST SIDEWALL FRAME. LIFT INTO POSITION. FIX OFF TEMPORARY WALL BRACING TO EACH END (REFER TO DIAGRAM) FIX BASE CLEATS.
- FIX GABLE END RAFTERS TO COLUMNS TO TIE WALLS. PROP APEX UNTIL ENDWALL MULLION AND APEX TEMPORARY BRACE ARE FIXED OFF. IF NO MULLION IS REQUIRED THEN PROP AND BRACE APEX UNTIL CLADDING IS COMPLETE.
- INSTALL REMAINING RAFTERS. AS EACH RAFTER PAIR IS INSTALLED, AT LEAST ONE PURLIN PER 3M OF RAFTER LENGTH IS TO BE INSTALLED TO SECURE RAFTERS.
- INSTALL REMAINING PURLINS
- INSTALL KNEE AND APEX BRACES IF AND WHERE APPLICABLE.
- REPEAT FOR LEANTO'S.

FRAME FIRST METHOD
FOR STRUCTURES OVER =M SPAN, GREATER THAN 3M HIGH AND GREATER THAN =2M LONG

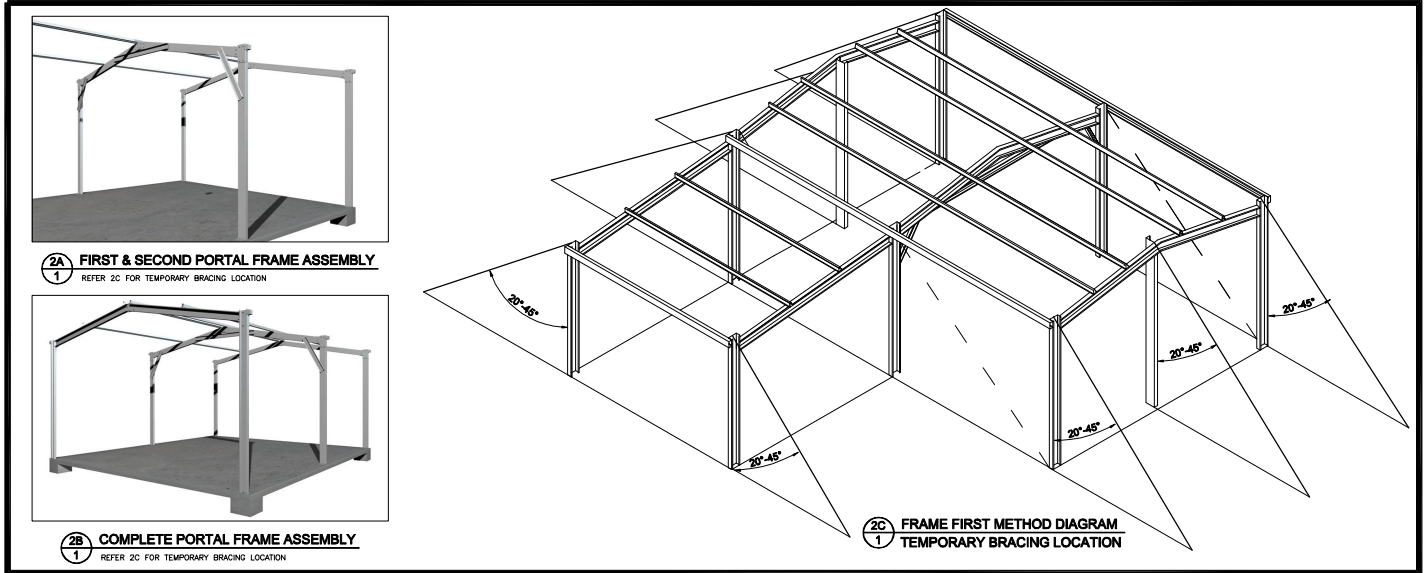
- ASSEMBLE PORTAL FRAMES ON THE GROUND (WITH KNEE AND APEX BRACES IF AND WHERE APPLICABLE). LIFT THE FIRST PORTAL FRAME ASSEMBLY INTO POSITION. FIX OFF TEMPORARY END BRACING (REFER TO DIAGRAM). FIX BASE CLEATS.
- PROP APEX UNTIL ENDWALL MULLION AND APEX TEMPORARY BRACE ARE FIXED OFF. IF NO MULLION IS REQUIRED THEN PROP AND BRACE APEX UNTIL CLADDING IS COMPLETE.
- THE SECOND PORTAL FRAME ASSEMBLY TO BE LIFTED INTO POSITION. FIX EAVE PURLINS AND AT LEAST ONE PURLIN PER 3M OF RAFTER TO SECURE FRAME ASSEMBLY. FIX BASE CLEATS. FIX TEMPORARY SIDEWALL BRACING.
- STAND REMAINING PORTAL FRAME ASSEMBLY AS PER STEP C, FIXING TEMPORARY SIDE WALL BRACING TO EVERY SECOND BAY. BRACE OTHER END PORTAL FRAME AS PER FIRST PORTAL FRAME.
- INSTALL REMAINING PURLINS AND GIRTS.
- REPEAT FOR LEANTO'S.

GUIDE TO THE INSTALLATION OF TEMPORARY BRACING

(REFER TO FDHS INSTALLATION GUIDE MANUAL FOR THE TWO METHODS OF CONSTRUCTION)



1 TILT UP METHOD DIAGRAM
SCALE: NTS



2 FRAME FIRST METHOD DIAGRAM
SCALE: NTS

JOB NO.	DATE	CHECKED	DRAWN
HTT011831	26/10/2011	TM	FBHS

STEEL BUILDING BY (CONTACT)
DINKY-DI-SHEDS & AFFORDABLE HOMES
 1800 785 224
FAYWOOD FARM MATTHEW HORWOOD
 95 BASIN ROAD
 WAMURAN BASIN

fair dinkum SHEDS

NORTHERN CONSULTING
 engineers
 Email: design@ncoeng.com.au
 ABN 341 008 173 56

Civil & Structural Engineers
 50 Punari Street
 Currajoong, Qld 4812
 Fax: 07 4725 5850

Regn. No. 2262880
 Regn. No. 9985
 Regn. No. 118373ES
 Regn. No. EC36892
 Regn. No. CC3648M

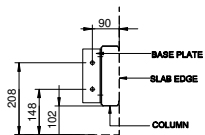
Mr Timothy Roy Messer BE MIEAust RPEQ
 Registered Professional Engineer 2558980

Signature *T. Messer*

Date 26/10/11

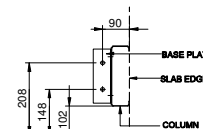
Registered on the NPBR in the areas of practice
 of Civil & Structural National Professional
 Engineers Register

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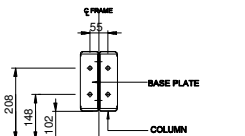
DETAIL B

SCALE: NTS



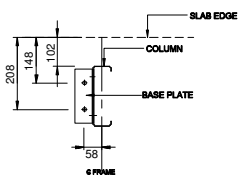
DETAIL J

SCALE: NTS



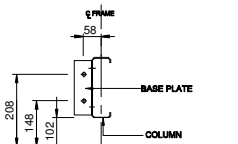
DETAIL D

SCALE: NTS



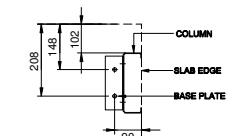
DETAIL F

SCALE: NTS



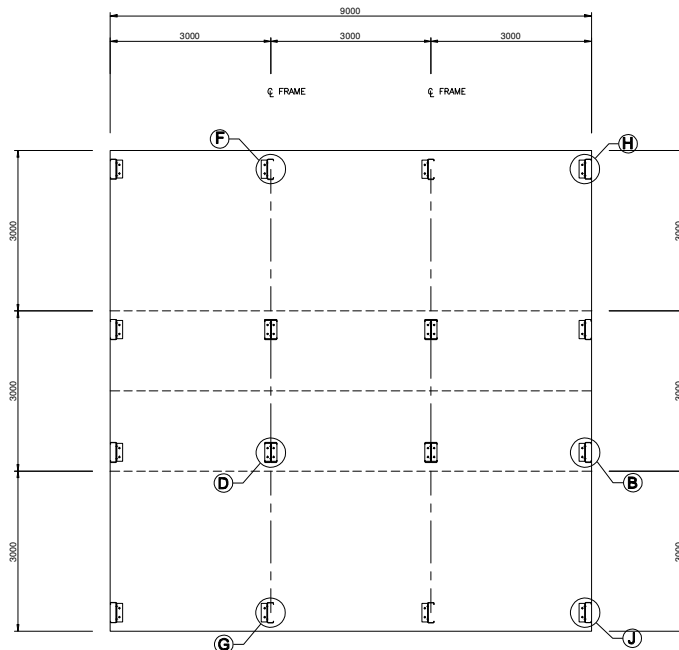
DETAIL G

SCALE: NTS



DETAIL H

SCALE: NTS



1 BOLT LAYOUT PLAN

SCALE: 1 = 100

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.

STEEL BUILDING BY
FINKY-DI-SHEDS & AFFORDABLE HOMES
 FOR 1800 785 224
FAYWOOD FARM MATTHEW HORWOOD
 AT 95 BASIN ROAD
 WAMURAN BASIN

DATE: 26/10/2011
 CHECKED: TM
 DRAWN: FDHS

2011

fairdinkum
SHEDS

BOLT LAYOUT PLAN

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. HTT011831 DATED : 26/10/2011

Specifications:

Computations:

Test Reports:

Other Documentation:

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



Mr. Timothy Roy Messer

Date

26/10/2011