

PROPOSED RESIDENTIAL ALTERATIONS & ADDITIONS 1719 HILL END ROAD, GRATTAL STRUCTURAL DRAWINGS

DRAWING LIST

- S1.01 DRAWG LIST & GENERAL NOTES
S1.02 GENERAL NOTES SHEET 2
- S2.01 EXISTING BARN INFILL SLAB PLAN
S2.02 SHEARING SHED FOOTING & SLAB PLAN
- S3.01 FOOTING & SLAB DETAILS
- S4.01 ROOF FRAMING PLAN
- S5.01 FRAMING DETAILS - SHEET 1
S5.02 FRAMING DETAILS - SHEET 2

GENERAL NOTES

- G1. IN THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANT DRAWINGS AND SPECIFICATIONS AND WHERE SUCH OTHER DRAWINGS INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT, UNLESS OTHERWISE STATED, BE REFERRED TO THE ENGINEER REFERENCED IN THE DRAWINGS.
- G2. ALL MATERIALS AND WORKSHOP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT ASBESTOS AND MOLD STANDARDS OF THE STATE AND FEDERAL GOVERNMENTS, EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATIONS OR USE. ENGINEERS DRAWINGS SHALL BE REFERRED TO THE BUILDER OR DESIGNER. ENGINEERS DRAWINGS SHALL NOT BE CALLED FOR DURING CONSTRUCTION UNLESS REQUESTED IN WRITING FROM THE ARCHITECT. DRAWINGS FOR ALL OTHER MATERIALS BE REFERRED TO THE MANUFACTURER.
- G3. ALL ENGINEERS DRAWINGS SHALL BE REFERRED TO THE BUILDER OR DESIGNER. ENGINEERS DRAWINGS SHALL NOT BE CALLED FOR DURING CONSTRUCTION UNLESS REQUESTED IN WRITING FROM THE ARCHITECT. DRAWINGS FOR ALL OTHER MATERIALS BE REFERRED TO THE MANUFACTURER.
- G4. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A CLEAN AND TIDY STATE AT ALL TIMES AND SHALL BE PROVIDED FOR BY THE BUILDER TO KEEP THE WORK AREA IN EXCELLENT STATE AT ALL TIMES.
- G5. UNLESS NOTED OTHERWISE, ALL LEVELS ARE IN METRES AND ALL DISTANCES ARE IN MILLIMETRES.
- G6. THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS AND IN THE DRAWINGS REFERRED TO THEREIN, HAVE BEEN DESIGNED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS AND THE AUSTRALIAN AND NEW ZEALAND STANDARD FOR THE DESIGN OF BUILDINGS IN THE STRUCTURAL DESIGN CRITERIA.
- E1. FOUNDATIONS SHALL BE LOCATED CENTRALLY UNDER WALL AND COLUMNS UNLESS NOTED OTHERWISE.
- F1. DO NOT EXCEED A TIE ROD LENGTH OF 1.8M IN TOTAL.
- F2. FOUNDATION SHEET PANS ARE TO BE USED FOR FOUNDATIONS UP TO 100MM THICK.
- F3. DO NOT BACKFILL RETAINING WALLS OTHER THAN TOP WITH SOIL. BACKFILL IS COMPRESSED EARTH FREE, DRAINED BACKFILL AND DRAINS IN PLACE.
- F4. FOUNDATIONS TO BE CONCRETED AND BACKFILLED AS SOON AS POSSIBLE. FILL DOWNS EXCAVATION TO AVOID DROPPING OF FOUNDATION. DO NOT ALLOW SOIL TO SETTLE ON FOUNDATION.
- F5. THIS SITE IS SUBJECT TO CHANGES IN FOUNDATION MATURE CONDITIONS. REFER TO CPT AND PML REPORT FOR RECOMMENDATIONS.

PLUMBING PLACEMENT

- P1. PLUMBING PIPE REFER ALL WALLS & CEILINGS SHALL BE PLACED WITH MAXIMUM 50MM CLEARANCE BETWEEN UNQUOTE OF MORTGAGE A TYPE OF PIPE. ALTERNATIVELY PLUMBING SHALL BE PREMITTED THROUGH THE MIDDLE THROUH EXCEPTS. REFER TO BORER VERIFIED DETAILS IF REQUIREES.
- A. (B) CLAUS M. AND P:
- P2. ALL PLUMBING THROUGH-WALLS & FLOORING SHALL BE SERVED TO ALLOW FOR GROWTH. REFER TO CPT AND PML REPORT FOR RECOMMENDATIONS.
- P3. ALL PLUMBING & SANITARY SERVICES ARE TO BE FITTED WITH FLEXIBLE CONNECTIONS AS PER AS/NZS3551.



STRUCTURAL DESIGN CRITERIA

PERMANENT & IMPERFECT LOADINGS (AS/NZS3600)

- L1. FLOR LOADING BASED ON LOAD AREA IMPERFECT LOADING (AS/NZS3600)
- PERMANENT LOAD (kPa) IMPERFECT LOAD (kPa)
- GENERAL 1.5 0.5
- CARAVAN 2.5 0.5
- POUCHARABLE 0.25 0.0
- REF. ARCHITECTURAL DRAWINGS AS FOR PROPOSED ROOM USAGE
- WIND REGION VENT. REGION
- VENT. CATEGORIY WIND PRESSURE (kPa) 1/2.0
- SHEDDED (AS/NZS4604) 0.45
- SHEDDED (AS/NZS4604) 0.45
- WIND CLADDING (AS/NZS 4604) 0.45
- WIND CLADDING (AS/NZS 4604) 0.45
- ULTIMATE WIND SPEED (m/s) 30m/s = 30m/s
- SUPERVENIENT WIND SPEED (m/s) = 42.2 = 8.3

- VCF GLULAM, ROLLED SHEATH AND OTHER MATERIALS SHALL BE DESIGNED & CERTIFIED BY THE MANUFACTURER OR MANUFACTURED FOR THE HOLLOW CORE GLULAM OR LUMBER. CERTIFICATION OF HEATING AS WELL AS O/P PRESURES FOR THE SOLID CORE CLASSIFICATION.
- EARTHQUAKE DESIGN CRITERIA (AS/NZS4604)
- DOMESTIC: 4.8-5.0m
- STRUCTURE HEIGHT: 1.0
- HABITABILITY FACTOR: 1.0
- KP: 0.1 (n=0.11)
- EARTHQUAKE DESIGN CRITERIA (BCDC) N/A

FOUNDATIONS

FOUNDATION DESIGN CRITERIA

- F1. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 100 kPa.
- F2. THE FOUNDATION MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER FOR THE BEARING REQUIREMENT ON THE SURFACE.
- F3. REFER TO GEOTECHNICAL INVESTIGATION REPORT DATED 08/09/2020.
- F4. FOUNDATIONS TO BE CONCRETED AND BACKFILLED AS SOON AS POSSIBLE. FILL DOWNS EXCAVATION TO AVOID DROPPING OF FOUNDATION. DO NOT ALLOW SOIL TO SETTLE ON FOUNDATION.
- F5. THIS SITE IS SUBJECT TO CHANGES IN FOUNDATION MATURE CONDITIONS. REFER TO CPT AND PML REPORT FOR RECOMMENDATIONS.

CONCRETE COVER SCHEDULE

GRADE	ENVIRONMENT		
	HAZARD	EXPOSED SURFACES	AGAINST GROUND
[A1]	[A2]	[B1]	[A1]
[A2]	HAZARD	EXPOSED SURFACES	AGAINST GROUND
[A3]	HAZARD	EXPOSED SURFACES	AGAINST GROUND

GENERAL FRAMING NOTE

1. BUILDER TO MAKE ANY MODIFICATION TO THE FRAMING AS REQUIRED TO SUIT THE STRUCTURAL STABILITY. REFER TO ENGINEER ANY AREA OF CONCERN.
2. ALL MATERIALS AND INFORMATION SHALL BE IN ACCORDANCE WITH AS/NZS3600. TRAPER SEEDS WHERE NOT INDICATED SHALL BE IN ACCORDANCE WITH AS 1684.

REACTIVE CLAY FOUNDATIONS

- CLAY SOIL MOISTURE WITH CHANGES OF MATURITY CONTENT CAN PROVIDE SIGNIFICANT STABILISATION. REFER TO ENGINEER ANY AREA OF CONCERN.
1. TO HELP MINIMIZE SUCH CHANGES, PROPERTY OWNERS CAN PROVIDE AUTOMATIC DRAINAGE.
2. REFER TO BORER VERIFIED DETAILS.
3. REFURBISH EXCAVATION LEADS.
4. REPAIR PLUMBING LEAKS.
5. EXCAVATION NEAR THE EDGE OF THE FOUNDATION SYSTEM SHALL BE BACKFILLED IN SUCH A WAY AS TO PREVENT LOSSES OF WATER TO THE WATER TABLE. WATER TABLE NOT BE ALLOWED TO POSE IN THE PB-1 CHE.
6. REFER TO THE CPT/ PANPLATE AS NOTED IN FOR RELATED NOTES.

CHRISTOPHER CLEGG
1719 HILL END ROAD
GRATTAL

on point -

PROPOSED ALTS. & ADDS.
1719 HILL END ROAD
GRATTAL

DRAWING LIST &
GENERAL NOTES

TX15048.00 - \$1.01 0

ISSUE DATE: 08/01/2021

PERIOD: 01/01/2021 - 31/12/2021

REF ID: TX15048.00

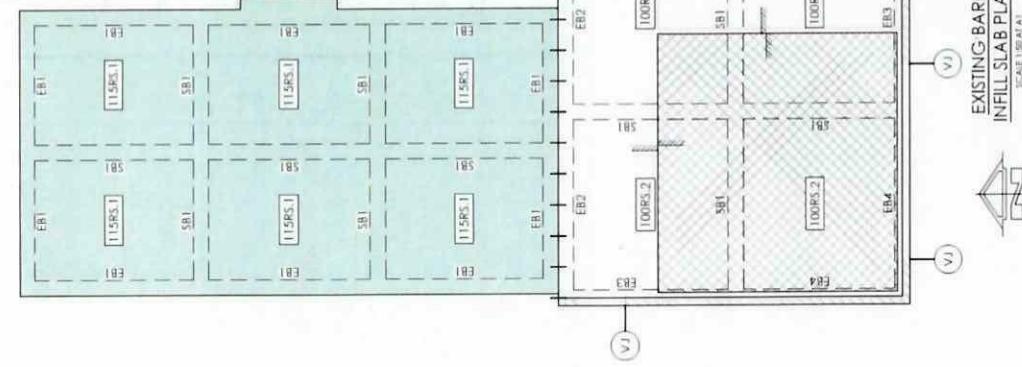
FOR CONSTRUCTION

POLISHED CONCRETE SLAB NOTE

THE POLISHED CONCRETE SLAB HAS BEEN PROVIDED WITH REINFORCING THAT WILL PROVIDE A CRITICAL DEGREE OF CRACK CONTROL, WHICH WILL REDUCE CRACK WIDTH BUT MAY NOT PREVENT CRACKS FROM OCCURRING. IT IS THE PRACTICAL ADVICE OF THE CONSULTANT THAT THE SLAB SHOULD BE CONSIDERED SUCH AS PAVING AND UNPAVED TAMPING SLAB. IF THIS IS PREFERRED BY THE CLIENT AND/OR BUILDER THEN PLEASE CONTRACT TRIAXIAL CONSULTING PTY LTD.

CONCRETE QUALITY

ELEMENT	A53600 EXPOSURE CLASS	FC (MPa) CEMENT CHARTREUSE TYPE	ADMIXTURES	MATERIAL SIZE (mm)	MAX. SLUMP	NOTES
FOOTINGS	A	44	GIP	14L	20	80
STANDARD SLAB	A	44	GIP	14L	20	80
POLISHED SLAB - STEEL PROVOKED AND HOTTED FRESH	A	44	GIP	14L	20	80 MAX. MICROSTRAIN COMPLIANCE AT 500 DAYS
POLISHED SLAB - HOMED FRESH	A	44	GIP	14L	20	80



FOOTING SCHEDULE

MARK	SIZE (MINIMUM)	REINFORCEMENT
EBS 1	300 HIGH X 300 DEEP EDGE BEAM	34.11MM
EBS 2	300 HIGH X 300 DEEP INFILL BEAM	34.11MM

SLAB SPECIFICATION

MARK	TYPE	THICKNESS	REINFT	COMMENT
115RS 1	RATT SLAB	115MM THICK	10MM HIGH X 2 LAYER OF SLAB	REFER TO SLAB
115RS 2	RATT SLAB	100MM THICK	10MM HIGH	REFER TO SLAB

FOOTING NOTES:

- FOR ADDITIONAL REQUIREMENTS AND OTHER NEEDS REFER TO DETAILS REFER TO DETAILS AND REQUIREMENTS IN FOOTING CONSTRUCTION
- REFER PRIOR TO CONSTRUCTION
- All FOOTINGS TO BE EMBEDDED 200 MM IN NATURAL GROUND OR CERTIFIED CONCRETE FILL.
- 40MM LAGGING TO ALL NON-VERTICAL PIPES.
- PLUMBLE CONNECTIONS ARE TO BE PROVIDED TO ALL SERVICE PIPES AND DRAINS.
- BARRIER SLAB AND BEAM DEPTH IS MARKED OFF AT ALL SET-DOWNS.
- DEPTH OF UNCOVERED SLAB IS NOT TO EXCEED 400MM BY DEPTH.
- THE FOOTING SLAB AREA IS TO BE EMBEDDED 300 MM INTO LADDERAID AND THE BARREI SLAB IS TO BE EMBEDDED 300 MM INTO THE GROUND.
- DURING CONSTRUCTION, WATER RELEASER SLAB IS TO BE COLLECTED & CHARGED AWAY FROM THE BUILDING.
- WORKS TO BE IN ACCORDANCE WITH AS 3600 AS 3000.
- ALL FOOTINGS ON BOUNDARY AREA TO BE 100MM MIN. BELOW REACHING GROUND LEVEL REFER TO DETAILS

FOOTING STEP NOTE:

REFER TO ENGINEERING DRAWING FOR FOOTING STEP REQUIREMENTS

CONCRETE COVER U.N.O.

REINFORCEMENT TO HAVE THE FOLLOWING:
CLEAR CONCRETE COVER = 30mm
CAST & GROUT MEMBRANE = 30mm
INTERNAL SURFACES = 20mm
EXTERNAL SURFACES = 40mm

VERTICAL JOINT NOTE

MANUFACTURED VERTICAL CONCRETE JOINTS ARE TO BE FULL HEIGHT AND LOCATED AS SHOWN ON THE PLANS AS V.F.
USE DRY, ABLELIC, OR SIMILAR HEAVILY COMPRIMESBLE
FLOOR JOINT FILLER & RICH/HARDENING SEALANT
THESE MUST BE INDULLED TO ALLOW FOR MOVEMENT

KEY PLAN:



LEGEND:
 VERTICAL JOINT
REFERS TO VERTICAL JOINT DETAILS
 INFILL SLAB TO ARCHITECTURE

POLISHED CONCRETE
REFERS TO POLISHED CONCRETE

SECTION	DESCRIPTION	MARK	SECTION	DESCRIPTION	MARK
115RS 1	RATT SLAB ALIGNED IN SLAB	V1	100RS 2	RATT SLAB ALIGNED IN SLAB	V2
100RS 2	SPECIFICATION TABLE	V3			V4

FOR CONSTRUCTION

EXISTING BARN INFILL SLAB PLAN
1300B-A-294 | TRIAKIAL.COM.AU
7119 HILL END ROAD, GRAFTON NSW 2462
TO BE PRINTED IN COLOUR
SCALE 1:50 (A1)
0 1 2 3 4 5 m
SCALE 1:50 (A1) SHEET 1 / 100 AN ASSET

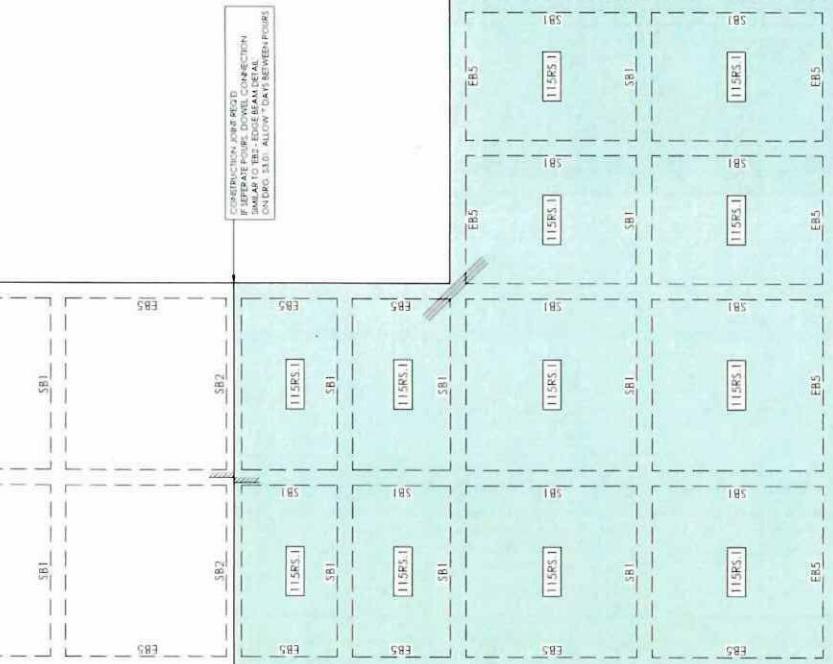
PROPOSED ALTS. & ADDS.
1719 HILL END ROAD
GRAFTON
TO BE PRINTED IN COLOUR
SCALE 1:50 (A1)
0 1 2 3 4 5 m
SCALE 1:50 (A1) SHEET 1 / 100 AN ASSET

CHRISTOPHER CLEGG
1719 HILL END ROAD
GRAFTON
TO BE PRINTED IN COLOUR
SCALE 1:50 (A1)
0 1 2 3 4 5 m
SCALE 1:50 (A1) SHEET 1 / 100 AN ASSET

TRIAKIAL CONSULTING
COMPLEX PROBLEMS
RESOLVED SIMPLY
0 1 2 3 4 5 m
SCALE 1:50 (A1) SHEET 1 / 100 AN ASSET

TX15048.00 - \$20.00
0 1 2 3 4 5 m
SCALE 1:50 (A1) SHEET 1 / 100 AN ASSET

POLISHED CONCRETE SLAB NOTE



CONCRETE QUALITY

ELEMENT	AS3600 EXPOSURE CLASS	ASTM C1379 CONCRETE CLASS	CEMENT TYPE	ADMIXTURES	MAX. SIZE (mm)	SUMP	NOTES
FOOTINGS	A	N	GPF	18L	20	80	
STANDARD SLAB	A	H	GPF	18L	20	80	
POLISHED SLAB - STEEL, WOVEN WIRE & REINFORCED REINH.	A	H	GPF	18L	20	80	REINFORCED STEEL MAX. 10MM DIAM. AT 500MM C/C
POLISHED SLAB - REINFORCED REINH.	A	N	GPF	18L	20	80	

FOOTING SCHEDULE

MARK	SEPT (MINIMUM)	REINFORCEMENT
FB1/170MM	300MM X 400 DEEP BEAM	341MM BM
EB5/185	300MM X 400 DEEP BEAM	341MM BM

FOOTING MARKS INDICATE TIES TO BE AT 500MM CENTRES.

SLAB SPECIFICATION

MARK	TYPE	THICKNESS	REINF	COMMENT
TORS 1	RAFT SLAB	115 MINIMUM	10G 18MM Ø 20MM SQUARED 100MM TOP	
TORS 2	RAFT SLAB	100 MINIMUM		

FOOTING NOTES:

FOR ADDITIONAL REQUIREMENTS AND OTHER REQUIREMENTS REFER TO DETAILS.
REFER TO DETAILS AND REQUIREMENTS IN FOOTING CONSTRUCTION.
REFER TO DRAWING FOR REINFORCEMENT DETAILS.
REFINED COORDS TO BE MAINTAINED 200MM IN NATURAL OR
ARMED AGARDE TO ALL HORIZONTAL PIPES.
FLEXIBLE CONNECTIONS ARE TO BE PROVIDED TO ALL SURFACE PIPES AND DRAINS.
RAIL SLAB AND BEAM DEPTH MUST MATCH AT ALL LEVELS.
DEPTH OF UNCOUPLED FILM IS NOT TO EXCEED 40MM IF FILM EXCEEDS 40MM IN DEPTH
THEY FOOTING BEAMS ARE TO BE EMBEDDED 300MM INTO NATURAL GROUND AND THE SLAB
IS TO BE THICKENED TO 100MM WITH ADDITIONAL LAYER OF BOTTOM MUD.
S/7 SLAB HEIGHT IS REQUIRED WHERE TILED AREA EXCEEDS 15 SQM.
DRAINAGE CONSTRUCTION WATER RUN-OFF SHALL BE COLLECTED & CHANNELLED AWAY
FROM THE BUILDING.
ALL WORKS ON FOUNDATION TO BE APPROX 50MM BELOW GROUND LEVEL.

FOOTING STEP NOTE:

REFER TO DRAWING FOOTING DEPTHS ALWAYS MARKED
REFER TO DETAILS FOR FOOTING STEP REQUIREMENTS.

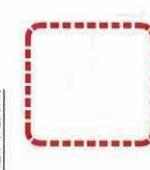
CONCRETE COVER U.N.O.

REFER TO DRAWING TO HAVE THE FOLLOWING:
CAST IN CONCRETE THICKNESS = 200MM
CAST IN CONCRETE PROTECTED GROUT = 30MM
INTERNAL SURFACES = 200MM
EXTERNAL SURFACES = 40MM.

LEGEND:

- [SBL] RAFT SLAB AS INDICATED IN SLAB SPECIFICATIONS AVAILABLE
- [EB5] STEEL IN SLAB ARCHITECTURAL
- [TORS] POLISHED CONCRETE REFER TO POLISHED CONCRETE NOTE

KEY PLAN:



FOOTING & SLAB PLAN



FOR CONSTRUCTION

ISSUED BY APPROVAL
AMERICAN
REF ID: A1
DATE: SEP 2020
TIME: 10:00 AM
PAGE NO: 1
TOTAL PAGES: 10

CHRISTOPHER CLEGG
1719 HILL END ROAD
GRATTAI

TO BE PRINTED IN COLOUR

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CONSULTING

COMPLEX PROBLEMS
RESOLVED SIMPLY

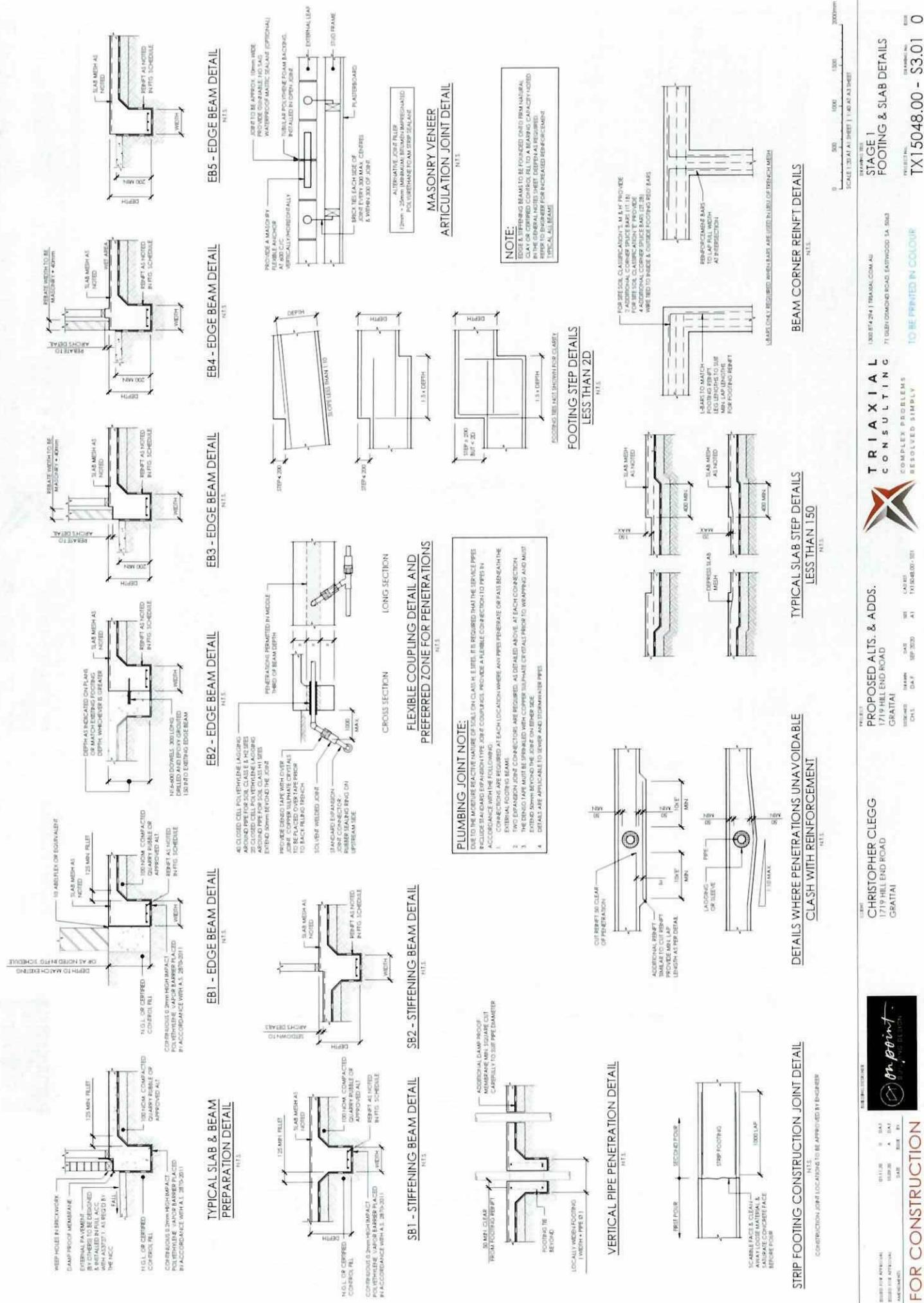
1300 874 294 | TRIAXIAL.COM.AU
71 GLEN OOMOO ROAD, FARNHAM SA 5010

ISSUED BY APPROVAL
AMERICAN
REF ID: A1
DATE: SEP 2020
TIME: 10:00 AM
PAGE NO: 1
TOTAL PAGES: 10

SHARING SHED
FOOTING & SLAB PLAN

ISSUED BY APPROVAL
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PAGE NO: 1
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COMPLEX PROBLEMS
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On point.

TO BE PRINTED IN COLOUR



PROPOSED ALTS. & ADDS.
1719 HILL END ROAD
GRATIAH
CODE OF PRACTICE
REINFORCED CONCRETE
INSTITUTION
100(3)-4(2)(i) TRADITIONAL AU
71 GLENMADON ROAD EASTWOOD 16, NSW
TO BE PRINTED IN COLOUR

300mm 300mm
Scale 1:50 1:50 1:50

CHRISTOPHER CLEGGS
1719 HILL END ROAD
GRATIAH
CODE OF PRACTICE
REINFORCED CONCRETE
INSTITUTION
100(3)-4(2)(i) TRADITIONAL AU
71 GLENMADON ROAD EASTWOOD 16, NSW
TO BE PRINTED IN COLOUR

300mm 300mm
Scale 1:50 1:50 1:50

FOR CONSTRUCTION

CONSTRUCTION JOURNAL TO BE APPROVED BY ENGINEER

DESIGN & DRAWINGS	01/01/00	01/01/00
ISSUED & APPROVED	01/01/00	01/01/00
RECEIVED	01/01/00	01/01/00
RECORDED	01/01/00	01/01/00
MADE AVAILABLE	01/01/00	01/01/00

STRAP BRACING FIXING NOTE:

Strap Bracing To Be Fixed To All Internal Wall Studs. If A Stud Is Not Available, It Is To Be Spliced Into The Next Stud. If A Stud Is Too Short, It Is To Be Truncated And Scoured To Match In Length, Where Applicable.

CLADDING SPECIFICATION:

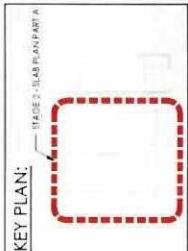
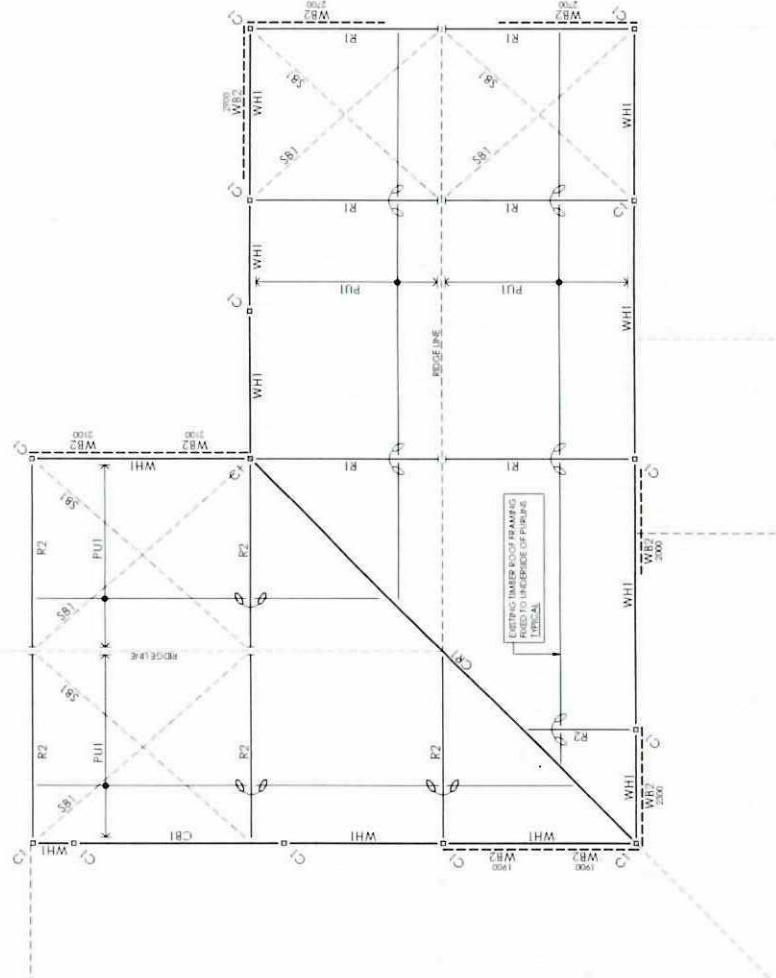
ROOF & WALL: 0.4MM GALVANISED CHS

MEMBER SCHEDULE

MARK	MEMBER	SIZE	REMARKS
C1	COLUMN	89 x 89 x 3.0 MM	
CB1	CARRY BEAM	200x8x3	
CR1	CORNER RASTER	300x4x2	MPIPE 6. WELD OR PLATE 6. C/W
PUL	PURLIN	C200x15	PURLINS AT 1000 MAX. CTB
R1	RAFTER	C200x19	
R2	RAFTER	C200x15	
SH1	TRAP BRAC/HO	30 x 1.2mm T/SARF	
WH1	WALL RAKER	89 x 3.0 MM	

FRAMING NOTES

NORMALLY TO BE PROVIDED AT MAX. 300mm CTB
TO ALL STUD WALLS.
ALL MATERIALS PER AS1904 2010: MANDATORY.
ROOF SHEET: 100 GRANITE CUTTING SHEET (CHS 0.45MM).
BUILDERS TO PROVIDE 48MM AND 12MM THICKNESS FOR PURLIN
THICKNESS TO ALLOW FOR SPANNING. LENGTH OF 4000MM.
DOUBLED THICKNESS FOR SPANNING. LENGTH OF 4000MM.
SHEAR BRACKETS 100 X 100 X 10 X 10MM FOR
FS PURLINS TO CUPPLATE AT 120mm CTB.
PL. WOOD BACKING URGENTLY PAOLED ON INTERNAL WALLS
TO BE LOCATED ON CANT SIDE OF STUDS.
WALL RETAILED ON INTERNAL WALLS TO BE FULL
LENGTH OF WALL OR CATCH ON A RECESSED TO
BEDROCK FLOOR TRAP WITH BRAC.
MAINTENANCE: CONCRETE IS TO BE FULL
THE POUR AND NOT TO EXCEED 100MM. THE POUR IS TO
HAVE A 100MM ROLLER TO ENSURE A FLAT SURFACE.
FOAM INSULATION IS NOT ALLOWED ON INTERNAL WALLS.
THE FOAM INSULATION MUST BE REMOVED.
THE FOAM INSULATION MUST BE RETAILED TO ALLOW FOR MOVEMENT.



LEGEND:
1. TRAPEZOIDAL BRACING (NET)
2. REINFORCED ANGLED STRAP
- 1/2" -

(on point)

PROPOSED ALTS. & ADDS.
1719 HILL END ROAD
GRATTAI
LEAD BY: 0400 123 456
DATE: SEP 2020
FOR CONSTRUCTION

CHRISTOPHER CLEGG
1719 HILL END ROAD
GRATTAI
LEAD BY: 0400 123 456
DATE: SEP 2020
FOR CONSTRUCTION

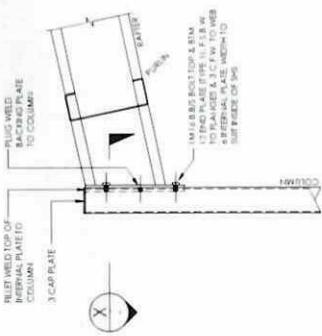


COMPLEX PROBLEMS
RESOLVED SIMPLY

1300 877 994 | TRIAXIAL.COM.AU
71 GLEN OAKWOOD ROAD, EASTWOOD, NSW, 2122
PRINTED: 10/09/2020
TO BE PRINTED IN COLOUR
SCALE: 1:100 AS DRAWN

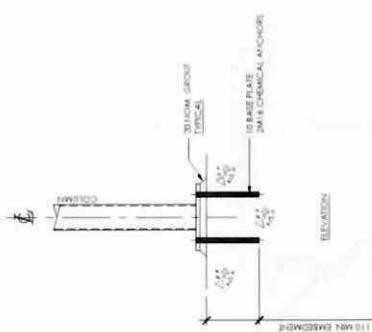
DRAWN: SHEAR SHED
SHEARING SHED
ROOF FRAMING PLAN
10/09/2020
SCALE: 1:100 AS DRAWN

0 1 2 3 4 5
Scale: 1:100 As Drawn



TYPICAL COLUMN TO RAFTER KNEE CONNECTION DETAILS

SECTION N1.5



TYPICAL PURLIN CONNECTION DETAILS

SECTION N1.5

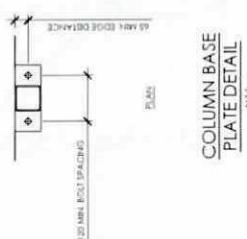
RAFTER KNEE CONNECTION SPEC					
Rafter size (Sp. Plate type)	End Pl/Weld	Backing Pl/Weld	Stiffener Pl/Weld	Bolt Spec.	Notes
C200 (TYPE I)	10 TMC PLATE 3/8" W TO FLANGES	8 TMC PLATE 3/8" W TO WEB	8 TMC PLATE 3/8" W TO WEB	241x16x8.5	3MM PLATE 3/C/P/W
C200x1724 (PIPE II)	12 TMC PLATE 3/8" W TO FLANGES	10 TMC PLATE 3/8" W TO WEB	10 TMC PLATE 3/8" W TO WEB	241x16x8.5	3MM PLATE 3/C/P/W

RAFTER END PLATE DIMENSIONS (MIN.)

SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
C200	90	243-11 GRAY	28	118-17 GRAY	N/A
		223-12 GRAY			

EXISTING FRAMING TO NEW DETAIL

SECTION N1.5



TYPICAL PURLIN CONNECTION DETAILS

SECTION N1.5

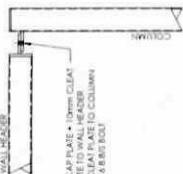


CARRY BEAM TO COLUMN CONNECTION DETAIL

SECTION N1.5

TYPICAL RAFTER RIDGE CONNECTION DETAIL

SECTION N1.5

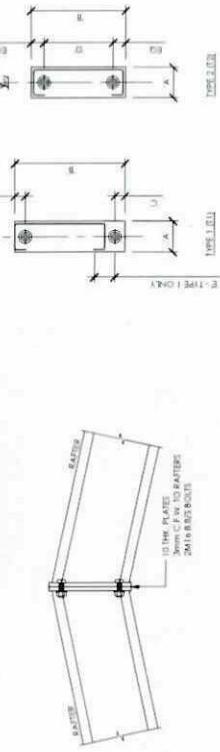


TYPICAL RAFTER END PLATE DIMENSION LAYOUT

SECTION N1.5

TYPICAL RAFTER RIDGE CONNECTION DETAIL

SECTION N1.5



TYPICAL RAFTER END PLATE DIMENSION LAYOUT

SECTION N1.5



STAGE 2
FRAMING DETAILS
SHEET 1

0

100

200

300

400

500

600

700

800

900

1000

mm

SCALE 1:10 AT A1 SHEET



TRIAXIAL CONSULTING
COMPLEX PROBLEMS
RESOLVED SIMPLY

PROPOSED ALTS. & ADDS.
1719 HILL END ROAD
GRIFFAIA

1719 HILL END ROAD EASTWOOD 1A (S10)

TO BE PRINTED IN COLOUR

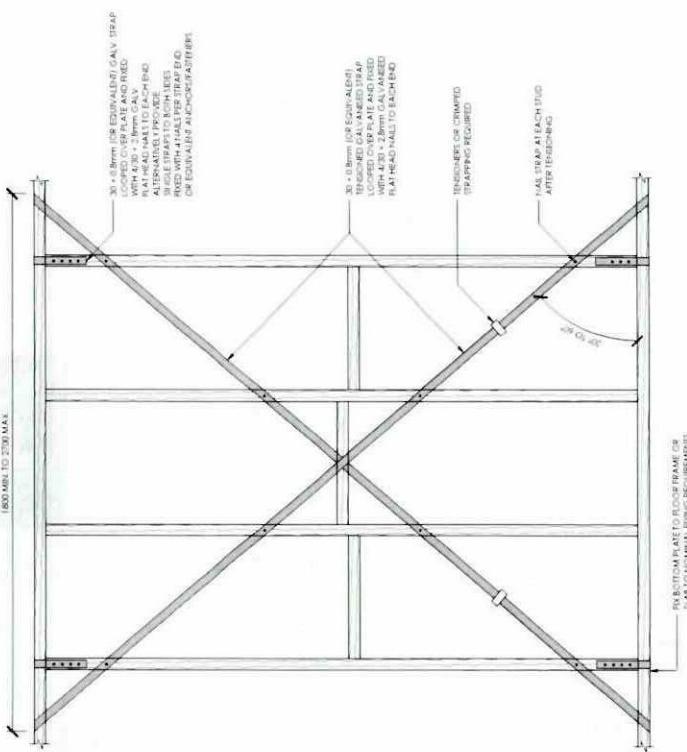
TX15048.00 - \$5.01 0



FOR CONSTRUCTION

BUILD FOR THE FUTURE
AND NOT THE PAST

0111.00 0111.00 0111.00 0111.00



VWB2 - TENSIONED STRAP WALL BRACING DETAIL

N1.5

NOTE:
ALL CONNECTIONS ARE TO BE RETAILED IN ACCORDANCE WITH THE
MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
SIMILAR OR EQUIVALENT ALTERNATIVE CONNECTIONS ARE ALLOWED
SUBJECT TO PRIOR APPROVAL FROM THE ENGINEER



FOR CONSTRUCTION

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SCALE 1:50 AT A SHEET 1:750 A3 SHEET
0 200 400 600 800 1000mm
**STAGE 2
FRAMING DETAILS
SHEET 2**
AS PER THE
PROJECT NO.
TX15048.00 - \$5.00 0