

GENERAL SPECIFICATION FOR BRICK / MASONRY OR FRAMED CONSTRUCTION (INC RAMMED EARTH WALLS)

OWNER: Shire of Yalgoo

JOB: Yalgoo Caravan park Chalets Apr 2020

SITE: Yalgoo Caravan Park

PARTICULARS

Job Number: Apr 2020 (Revision 130420)

Designer: Roly Brando / E rolybrando@bigpond.com / M 0423228041

Builder: TBD / By Tender Through CEO Shire Of Yalgoo

Owner: Shire of Yalgoo

Site: Yalgoo Caravan Park, Gibbons St Yalgoo

Wind Region A / Climate Zone 4 / Designated Bushfire Prone Zone ("BAL Low")

DOCUMENTATION SET FOR YALGOO CARAVAN PARK CHALETS APRIL 2020

WORKING DRAWINGS 1. WD00 Rev 130420 Working Drawing Set 24/24

2. WD IE1.0 Rev 130420 AS1428 Wheelchair details set supplement 4/4

DOCUMENTATION 3. GENERAL SPECIFICATION FOR BRICK / MASONRY OR FRAMED

CONSTRUCTION (INC RAMMED EARTH WALLS) Rev 130420

4. ADDENDA TO SPECIFICATION Rev 130420

5. SCOPE OF WORKS Rev 130420

6. RAMMED EARTH SPECIFICATION (5) Monolithic Stabilised Earth Walling

7. EXISTING UNITS ONSITE PHOTOGRAPHS Rev 130420

General Conditions

This Specification shall be read in conjunction with Addenda to the Specification, Scope of Works, Drawings and Details forming the Documentation.

1. Interpretation

It shall be the responsibility of the owner to ensure that the information contained in the Documentation is correct. The Addenda to the Specification shall take precedence. Drawings shall take precedence over the Specifications

2. Dimensions

Use figured dimensions only do not scale off drawings. Builder to verify all dimensions and levels, In the case of errors or discrepancies contact designer prior to commencing work on site.

3. Materials

Materials shall be new unless specified otherwise and shall comply with the relevant Australian Standard. Surplus materials left on site shall remain the property of the Builder and shall be removed or disposed of at the Builders discretion. Where proprietary brands are specified they shall be used in accordance with the Manufacturers specifications.

4. Labour + Plant

The Builder shall provide either directly, or through sub-contractors, all labour, plant and equipment necessary.

5. Preliminaries

The Builder shall carry out all preliminary works and pay associated fees necessary to construct and complete the works and shall include any Provisional Sums specified in the Addenda.

6. Site Works

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Clearing	6.1 Existing vegetation and organic matter shall be cleared to a distance of 1500mm clear of the ground floor plan or to the site boundary, whichever is less.
Site Obstructions	6.2 Where trees or roots occur within the building site, all trees stumps and roots shall be removed from the site. If during construction other trees, roots or subterranean matter are encountered, which in the opinion of the Builder or Statutory Authority are considered a hazard, they shall be removed by the Builder and the cost passed on to the client as a Variation pursuant to the Building Contract
Cutting / Filling	6.3 The site shall be prepared by cutting or clean fill to achieve the required finished floor level as indicated in the Drawings. All footings shall have a level base and be stepped as required. The area to be occupied by the Building shall be levelled and compacted to Statutory Authority requirements. (a signed Engineers Compaction Certificate obtained)
Termite Barrier	6.4 Termite barrier shall be provided in accordance with NCC 3.1.3 / AS3660

7. Retaining Walls and Fences

Retaining walls and fences shall be constructed in accordance with Statutory Authority requirements or an Engineers signed detail and as indicated on the Drawings and specified in the Addenda.

8. Concrete

Concrete General

Concrete shall comply with the requirements of the relevant Australian Standard for mixing and placement.

Footings and Ground Floor Slabs

8.1 Concrete footings and raft floors shall be constructed in accordance with an Engineers signed details or Statutory Authority requirements and as indicated on the drawings.

Suspended Slabs and Stairs

8.2 Suspended slabs and concrete stairs shall be constructed in accordance with and Engineers signed details as indicated on the Drawings.

Driveways, Carports or Garage Floors, Pathways and Crossovers

8.3 Concrete shall be provided to the areas indicated on the drawings and shall be of the strength and thickness specified in the Drawings, the Engineers signed details or the Addenda.

Wet Areas

8.4 Tiled wet areas indicated on the Drawings shall be set down from the finished floor level 25mm minimum for screeding and fall. Slab thickness shall be maintained throughout.

Finish

8.5 Raft floors and suspended slabs shall have a smooth trowelled finish. Driveways and paving shall have a non slip finish. Concrete shall be uncoloured unless otherwise specified in the Addenda.

9. Brickwork / Blockwork / Rammed Earth Walls

Materials

9.1 9.1.1 BRICKS / BLOCKS / RAMMED EARTH WALLS

Shall be of the colour and type specified in the Drawings or the Addenda 9.1.2 MORTAR

S hall comply with the requirements of the relevant Australian Standards.

9.1.3 ADMIXTURES

Approved admixtures for plasticising and colouring and water proofing may only be used in accordance with Australian Standard and the Manufacturers specifications. Where a colour additive is used, care shall be taken to provide an even finish. No guarantee will be given to finish or colour retention.

Bricklaying + Rammed Earth Walls

9.2 9.2.1 GENERALLY

Bricks and / or blocks shall be laid in accordance with Australian Standard, the Manufacturers specification and as indicated on the Drawings.

Rammed Earth

Monolithic stabilised earth walls are to be constructed by a member of the Affiliated Stabilised Earth Group using the "Stabilform" formwork system.

9.2.2 JOINTS

Joints on face brickwork / blockwork shall be nominal 10mm and be of the type and colour specified in the Addenda or on the Drawing. Other joints shall be in accordance with the Australian Standard and with brick and / or block manufacturers specification.

9.2.3 CAVITY BRICKWORK / BLOCKWORK

Cavity brickwork / blockwork shall be constructed in accordance with the relevant Australian Standard.

9.2.4 DAMP PROOF COURSE AND WEEPOHOLES

Brickwork / blockwork and Rammed earth walls shall have a continuous damp proof course of a durable and impervious material and weepholes in accordance with the Building Code of Australia.

9.2.5 SUB FLOOR VENTILATION

Sub-floor ventilation shall be provided to timber floor areas in accordance with the Building Code of Australia NCC 3.4.1

Brick and / or Block Bonding

9.3

Brick and / or block bonding shall be in accordance with the relevant Australian Standard.

Lintels	9.4	Lintels over openings in the brickwork / blockwork or rammed earth shall be in accordance with an Engineer's signed details or the Building Code of Australia
Sills	9.5	where it applies. External window sills shall be of the type indicated on the Drawings or specified in the Addenda.
Internal Face Brickwork	9.6	Internal face brickwork shall be provided as indicated on the Drawings. Where two-sided single leaf brickwork is indicated, it shall be the owners' responsibility to notify the builder on which side the face will occur.
Brickwork Reinforcing	9.7	Where specified, brickwork shall be reinforced as indicated on the Drawings or in accordance with an Engineer's signed details.
Meter Box	9.8	A meter box shall be installed to comply with the relevant Statutory Authorities
Fireplaces	9.9	requirements and positioned as indicated on the drawings. Fireplaces shall be constructed in accordance with the relevant Australian Standard as indicated on the Drawings and as specified in the Addenda.
Brick Paving	9.10	Brick paving shall be laid in accordance with the Manufacturers specification and shall be of the type and finish specified in the Addenda and to the extent indicated on the
Brick / Block Rammed Earth Cleaning	9.11	Drawings. Brickwork / blockwork / rammed earth shall be cleaned in accordance with the Manufacturers specifications. Adjacent materials shall be protected from
Letterbox	9.12	chemicals during cleaning. Letterboxes shall be of the type indicated on the Drawings or specified in the Addenda.
10. Structural S	Steel	
Generally	10.1	Exposed steel shall have an anti corrosive treatment in accordance with the
Steel Beams	10.2	Building Code of Australia and as specified in the Addenda Steel Beams shall be provided as indicated on the Drawings and shall comply with Statutory Authority requirements or an Engineers signed details.
Steel Lintels	10.3	Steel lintels over openings shall comply with an Engineer's signed details. and the Building Code of Australia.
Corner Window Supports	10.4	Unless otherwise indicated on the Drawings, brickwork over corner windows shall be supported with a structural column to comply with an Engineer's signed details and the Building Code of Australia
11. Metalwork		
Metal Fascia	11.1	Unless otherwise specified in the Addenda, fascias shall be metal with an anti- corrosive treatment and shall comply with Statutory Authority requirements and
Meter Box	11.2	relevant Australian Standard. A metal meter box with anti-corrosive treatment unless otherwise specified in the Addenda shall be supplied and installed in accordance with relevant Statutory Authority requirements. Where a mins gas connection is specified in the Addenda, a separate gas meter box or combination gas / electrical meter box shall be provided as indicated on the Drawings and fixed in accordance with the relevant Statutory Authority requirements.
Flashings	11.3	Flashings shall be built in to prevent water penetration of the building, metal flashings shall be compatible with adjoining metals.
Handrail and Balustrades	11.4	Metal handrails and balustrades shall be provided as indicated on the Drawings and as specified in the Addenda and shall be installed in accordance with the manufacturer's specifications.
Clothes Hoist	11.5	A clothes hoist shall be provided as indicated on the drawings and as specified in the addenda and shall be installed in accordance with the manufacturer's specifications.
Letterbox	11.6	A letterbox or boxes shall be provided as indicated on the Drawings and as specified in the Addenda and shall be installed in accordance with the manufacturer's specifications.

Garage Doors and Gates

11.7 Garage doors and gates shall be provided as indicated on the Drawings and as specified in the Addenda and shall be installed in accordance with the manufacturer's specifications.

Special Items

11.8 Garage doors and gates shall be provided as indicated on the Drawings and as

11.8 Special metal items shall be provided as indicated on the Drawings and as specified in the Addenda and shall be installed in accordance with the manufacturer's specifications.

12. Framing

Metal Wall and 12.1 Metal wall and floor framing shall be constructed as indicated on the Drawings Floor Framing and details and as specified in the Addenda and shall comply with Statutory Authority requirements and relevant Australian Standard. Timber Wall and 12.2 Timber wall and floor framing shall be constructed as indicated on the Drawings Floor Framing and details and as specified in the Addenda and shall comply with Statutory Authority requirements and relevant Australian Standard. AS1684 / AS1170 Roof framing shall be constructed as indicated on the Drawings and details and 12.3 Roof Framing as specified in the Addenda and shall comply with Statutory Authority requirements and the relevant Australian Standard. AS1684 / AS1170

13. Eaves and Linings

Eaves and linings shall be constructed as indicated on the Drawings and details and as specified in the Addenda

14. Claddings and Linings

External Cladding

14.1

External claddings shall be provided to framework as indicated on the Drawings and details and as specified in the Addenda and shall be fixed in accordance with manufacturers specifications.

Internal Linings

14.2

Internal shall be provided to framework as indicated on the Drawings and

Internal shall be provided to framework as indicated on the Drawings and details and as specified in the Addenda and shall be fixed in accordance with manufacturers specifications.

15. Roof Cover

Type
 15.1 Roof cover shall be of the type, colour and finish as specified in the Addenda and shall be fixed in accordance with the manufacturer's specifications.
 Fixing
 15.2 Roof cover shall be fixed in accordance with the manufacturer's specifications And the relevant Australian Standard
 Sarking
 15.3 Sarking shall be as specified in the Addenda / Drawings and fixed to areas indicated on the Drawings. Sarking shall be fixed in accordance with the manufacturer's specifications.

16. Roof Plumbing

Gutters 16.1 Gutters shall be of the type, size, colour and finish as specified in the Addenda and indicated on the Drawings Downpipes and 16.2 Downpipes shall be of the type, colour and finish as specified in the Addenda, Stormwater Disposal and shall be fixed in accordance with the manufacturer's specifications in the locations indicated on the Drawings. Valley Gutters shall be provided at each roof valley intersection to prevent Valley Gutters 16.3 moisture penetration into the roof. 16.4 Flumed vents shall be provided in accordance with Statutory Authority Flumed Vents requirements. 16.5 Roof penetrations shall be flashed and sealed to prevent moisture penetration Roof Penetrations into the roof.

17. Joinery

17.1 **17.1.1** GENERALLY Metal joinery

Metal joinery shall comply with the relevant Australian Standards and shall be installed in accordance with the manufacturer's specifications.

17.1.2 ALUMINIUM WINDOWS AND DOORS

External windows and sliding doors shall be aluminium frames of the type, finish and colour specified in the Addenda or the Drawings and shall be the size and in the locations indicated on the Drawings.

17.1.3 METAL DOOR JAMBS

Shall be of the type, finish and colour specified in the Addenda or the Drawings and shall be the size and in the locations indicated on the Drawings.

17.2 17.2.1 GENERALLY Timber joinery

Timber joinery shall comply with the relevant Australian Standards and shall be installed in accordance with the manufacturer's specifications.

17.2.2 DOORS, FRAMES, JAMBS, AND WINDOWS

Doors, frames, jambs and windows shall be of the type, finish specified in the Addenda or the Drawings and shall be the size and in the locations indicated on the Drawings.

Flyscreens 17.3 Flyscreens shall be of the type, finish specified in the Addenda or the Drawings and shall be the size and in the locations indicated on the Drawings.

Special joinery shall be of the type, finish specified in the Addenda or the Special Joinery 17.4 Drawings and shall be the size and in the locations indicated on the Drawings.

18. Fixing Carpentry

Mouldings and Shelves	18.1	Mouldings and shelving shall be of the type, finish and in the locations specified in the Addenda or the on the Drawings and shall be the size and in the locations as indicated on the Drawings.
Architraves and Skirtinas	18.2	Architraves and skirting shall be of the type, finish and in the locations specified in the Addenda or on the Drawings
Balustrades and Handrails	18.3	Balustrades and handrails shall be of the type, finish and in the locations specified in the Addenda or on the Drawings and shall be installed in accordance with the manufacturer's specifications.
Staircases	18.4	Staircases shall be of the type, finish and in the locations specified in the Addenda and as indicated on the Drawings.
Hardware, Door and Window Furniture	18.5	Fixing hardware shall be of the type, finish and as specified in the Addenda in and shall be fixed in accordance with the relevant Australian Standards and shall be installed in accordance with the manufacturer's specifications.
Door Buffers	18.6	Door buffers shall be fixed to prevent door handles and door from damaging adjoining walls or trim
Cabinet Work	18.7	Shall be of the type, finish and colour specified in the Addenda or the Drawings and shall be the size and in the locations indicated on the Drawings.
Flooring	18.8	18.8.1 SHEET FLOORING Tongued and grooved sheet flooring shall be of the type and finish and in the location specified in the Addenda or on the Drawings and installed in accordance with the manufacturer's specifications. 18.8.2 STRIP FLOORING Tongued and grooved strip flooring shall be of the type and finish and in the location specified in the Addenda or on the Drawings and installed in

accordance with the manufacturer's specifications.

19. Plastering		
External Walls	19.1	External walls shall be finished as specified in the Addenda or as indicated on the Drawings.
Internal Walls	19.2	Unless otherwise indicated in the Addenda or on the Drawings, internal masonry walls shall be float and set in plaster comprising of: Float coat- nominal 10mm thick consisting 7 parts clean sand, 1 part normal Portland cement and 1 part lime putty or hydrated lime equivalent. Set coat- nominal 3mm thick consisting of 75% lime putty and 25% gypsum plaster
Internal Timber Walls	19.3	Unless otherwise indicated in the Addenda or on the Drawings, internal timber framed walls shall be lined both sides with 10mm Gyprock or similar plaster wall board finished as specified in the Addenda or on the drawings and installed in accordance with the manufacturer's appairing time.

		installed in accordance with the manufacturer's specification.
20. Ceilings		
Generally	20.1	Ceiling lining, cornices and special trim shall be of the type and finish and in the locations specified in the Addenda or on the Drawings and installed in accordance with the manufacturer's specifications.
Ceiling Vents	20.2	Ceiling vents shall be installed in accordance with Statutory Authority requirements and in the locations indicated on the Drawings.
Man Hole	20.3	Access shall be provided into the roof space in accordance with Statutory Authority requirements and in the locations indicated on the Drawings.
21. Sanitary Plu	ımbing	
Generally	21.1	Plumbing shall be carried out by a licensed plumber in accordance with the relevant Statutory Authority requirements.
Drainage	21.2	Plumbing fixtures shall be connected to a sewerage draining system in accordance with Australian Standard and the relevant Statutory Authority requirements. Unless otherwise indicated in the Addenda no allowance shall be made for hard digging, pile and keel, unsound ground or dewatering related to drainage connection
Septic System Installation	21.3	A septic system shall be installed as indicated on the drawings in accordance with relevant Statutory Authority requirements.
Fixtures	21.4	Fixtures shall be of the type, finish and colours as specified in the Addenda and indicated on the Drawings
Water Service	21.5	Water connected from service mains shall be run in accordance with the Supply Authority requirements to the fixtures indicated on the Drawings.
Hotwater Service	21.6	A hot water system of the type and capacity specified in the Addenda shall be connected to the supply mains and installed as indicated on the Drawings in accordance with the Supply Authority requirements and to the manufacturer's specifications and hot water reticulated to outlets specified in the Addenda or on the Drawings.
Hose Cocks	21.7	External hose cocks shall be provided and installed in the locations indicated on the Drawings.
Special Items and Fixtures	21.8	Special plumbing fittings shall be provided and installed in accordance with the manufacturer's specifications as indicated in the Addenda and indicated on the Drawings.
22. Gas Plumbi	ing	
Generally	22.1	Gas connection shall be carried out by a licensed gas fitter as specified in the Addenda and indicated on the drawings in accordance with the relevant Statutory Authority requirements
Meter Box	22.2	(Refer to Meter Box clause 11.2)

dicated on the drawings in accordance with the relevant	
ty requirements	
Box clause 11.2)	

Gas Appliances 22.3 Gas Appliances shall be of the type, finish and colours and in the locations as specified in the Addenda and as indicated on the Drawings and installed in accordance with the Supply Authority regulations and the manufacturer's specifications..

23. Electrical		
	00.1	Electrical installation shall be carried out by a licensed electrician in accordan
Generally	23.1	Electrical installation shall be carried out by a licensed electrician in accordance with the relevant Statutory Authority requirements.
Main	23.2	Unless otherwise indicated in the Addenda or on the Drawings, the mains
Electricity		supply shall be single phase. The owner shall remain responsible for power
Power Points		connection application and associated fees upon completion.
(GPO)	23.3	Power points shall be of the type, finish and colours and numbers and locations and heights as specified in the Addenda and indicated on the Drawings
Light Points	23.4	Light points and switches shall be installed of the type, finish and colours and
		numbers and locations and heights as specified in the Addenda and indicated on the Drawings
Rangehood	23.5	Rangehood and power supply / isolator shall be installed of the type, finish and
, and the second		colours and location and height as specified in the Addenda and indicated on
Electrical		the Drawings.
Appliances	23.6	Electrical appliances shall be installed of the type, model, finish and colours are location and height as specified in the Addenda and indicated on the Drawing:
Television	23.7	Provision for TV aerial outlets shall be provided as specified on the Drawings.
(TV) Aerial		The supply and connection of any TV aerial shall remain the responsibility of th Owner.
Telephone	23.8	Provision for installation of telephone points shall be provided as specified in the
Connection	20.0	Addenda and indicated on the Drawings. The supply and connection of any
Provision		telephone equipment and connection fees shall remain the responsibility of the
		Owner.
Data Cabling	23.9	Provision for installation of data cabling points shall be provided as specified in
		the Addenda and indicated on the Drawings. The supply and connection of an equipment and connection fees shall remain the responsibility of the Owner.
Security System	23.10	Provision for installation of security alarm systems and surveillance camera
		systems shall be provided as specified in the Addenda and indicated on the
		Drawings. The supply and connection of any equipment and connection fees
		shall remain the responsibility of the Owner.

24. Wall and Floor Tiling / Floor Covering

Generally	24.1	Floor and wall tiles shall be of the type, size, finish and colours and in the locations as specified in the Addenda and as indicated on the Drawings and installed in accordance with the Supply Authority regulations and the manufacturer's specifications
Floor Tiles	24.2	Floor tiles shall be laid in a mortar bed or fixed with suitable adhesive in accordance with the manufacturer's specifications, to the extent specified in the Addenda and indicated on the Drawings. Floor tiles in wet areas shall have a non slip surface and be drained to a floor waste.
Wall Tiles	24.3	Wall tiles shall be fixed to walls with suitable adhesive in accordance with the manufacturer's specifications, to the extent specified in the Addenda and indicated on the Drawing.
Grout	24.4	Grout compatible with the adhesive used shall be applied to joints in accordance with the manufacturer's specifications.
Timber Frame Wall Lining Wet Areas	24.5	Timber frame walls in wet areas to be tiled shall be lined with high moisture resistant wall board fixed in accordance with the manufacturer's specifications, to the extent specified in the Addenda and indicated on the Drawings.

Vinyl Flooring 24.6 Vinyl Flooring. Non slip in living areas / Wet Area non slip grade in wet areas. Fixed according to manufacturers specification to the extent specified in the

Addenda and indicated on the Drawings

25. Glazing		
Generally	25.1	Glazing shall be in accordance with the relevant Australian Standard and to the extent indicated on the Drawings.
Obscure and Special Glazing	25.2	Obscure and special glazing shall be of the type and in the locations specified in the Addenda and indicated on the Drawings.
Mirrors	25.3	Mirrors shall be of the type, finish, size and in the locations specified in the Addenda and indicated on the Drawings.
Shower Screen	ns 25.4	Shower screens shall be of the type, finish, size and in the locations specified in

the Addenda and indicated on the Drawings.

26. Painting

Painting shall be carried out in accordance with the manufacturer's specifications and the relevant Australian Standards and shall be of the type, colour and finish and to the extent specified in the Addenda or indicated on the Drawings.

27. Cleaning House Clean Site Clean 27.1 The works externally and internally shall be cleaned fit for immediate occupation. The building site shall be cleared of excess building materials. Surplus building materials shall remain the property of the Builder. 28. Insulation

Insulation shall be supplied and installed in accordance with the manufacturer's specifications and as specified in the Addenda or on the Drawings and to the extent indicated on the Drawings.

29. Bushfire Prone Areas

Generally	29.1	In the case of building in a bushfire prone area, bushfire protective measures shall be installed at the appropriate time during the build.
BAL Assessme	nt 29.2	A suitably qualified person will be engaged to determine the Bushfire Attack Level and to specify the relevant bushfire protection measures in accordance with the relevant Australian Standard.
Measures	29.3	Bushfire protective measures, materials, fittings and fixtures shall be installed in accordance with the manufacturer's specifications and in accordance with the relevant Australian Standard, to the extent and as indicated in the Addenda or on the Drawings or on additional BAL Documentation.

30. AS1428 Wheelchair accessibility notes

SPECIAL NOTES

In the case of Wheelchair / Disabled access requirements:
All installations / fixings fittings clearances etc to comply with AS1428 / 2009
Design for access and Mobility (Disabled Access). Comprehensive details are on The Drawings, for more comprehensive details and notes refer to the Australian Standard AS1428 / 2009

Fittings and fixtures shall be installed in accordance with the manufacturer's specifications and in accordance with the relevant Australian Standard AS1428 /2009 to the extent and as indicated in the Addenda or on the Drawings or on additional Documentation.

31. Miscellaneous Items

Miscellaneous items

as specified in the Addenda and / or as indicated on the Drawings shall be supplied and installed in accordance with the manufacturer's specifications and to Australian Standard and relevant Statutory Authorities requirements where applicable.

THIS IS THE SPECIFICATION REFERRED TO IN THE BUILDING CONTRACT DATED: BY THE PARTIES THERETO, AND FOR THE PURPOSE OF IDENTIFICATION
Owner 1
NAME
SIGNATURE
WITNESS
WITNESS NAME AND ADDRESS
DATE
DATE
Owner 2
NAME
SIGNATURE
WITNESS
WITNESS NAME AND ADDRESS
DATE
DATE
Builder
NAME
SIGNATURE
WITNESS
WITNESS NAME AND ADDRESS
DATE
DATE