

NSW Department of Commerce

RIVERINA/WESTERN REGION – WAGGA WAGGA OFFICE

EXTENT OF WORK

1.1 PROJECT DETAILS

Location: Griffith North Primary School.

Description of the Works: Library Building Extension and Construction of C.O.L.A.

1.2 TRADE QUALIFICATIONS

The Contract must only use qualified tradespersons who hold a current trade licence for any trade works carried out under this Contract.

The Principals Representative must approve any exception to this requirement.

1.3 CONTRACT DOCUMENTS

The Contractor must notify the Contact Officer before the tender closing date and time if any discrepancy, error or omission is found in the documents.

1.4 CLEAN UP SITE

The Contractor must keep the site clean and tidy and dispose of all rubbish and surplus materials promptly.

1.5 PROJECT DESCRIPTION.

EXTENT OF WORKS.

NEW LIBRARY EXTENSION.

Supply and install all materials and labour to build the new extension to match the existing building style. The new area will consist of 2 new walls, reinforced concrete floor and exposed truss roof connected to the existing building as per the following;

1. Remove all fixtures and fittings not required for the new extension including veranda columns, screening, Gardens, Shade structure, Bubblers and pipework. Terminate all unused water and sewer outlets behind floor, wall and ceiling surfaces.

2. Remove and relocate the existing aluminium seating to a location within the school grounds and concrete supports into new position.
3. The timber wall and roof framing is to be constructed from termite resistant material as per the Building Code of Australia. Wall framing studs to be a minimum 450mm centres and 90mm x 45mm section size. Install 100 x 100mm steel columns to the underside of the new trusses. Bolt the existing veranda beam to the new columns
4. Exposed roof trusses to match the existing.
5. The external brickwork is to match the existing in all respects.
6. New reinforced concrete raft slab as per the following;
 - Where required cut the existing concrete veranda back to suit the new extension to finish flush with the new brickwork.
 - The new floor level is to finish flush with the existing Library floor.
 - The new raft floor footing with thicken edge is to bear down onto the existing Library Building external wall footing.
 - Supply and install a 450mm wide x 600mm deep reinforced concrete edge beam to all sides including 4bar TM11 reinforcement to the bottom of the footing. Note footing to bear in natural foundation 450mm minimum.
 - Supply and install reinforced concrete floor minimum 150mm thick with F72 sheet reinforcement.
 - Supply and install plastic membrane to the underside.
 - Prior to pouring concrete the contractor is to contact the Principals Representative for reinforcement inspection.
 - Supply and install termi mesh termite barrier treatment to the new extension and provide guarantee to Principals Representative.
7. The new roof is to have eaves overhang to match the existing in all respects.
8. Remove the existing Glass doors from the East wall. Make good to the opening where the sliding door was removed with new opening reveals full width of wall and architraves to match the existing.
9. Supply and install Highlight windows to the North & West walls to match the existing in all respects. Supply and install new colour bond flashing underside of new windows down onto the existing veranda roof.

10. Supply and install minimum 10mm gyprock sheeting to ceiling between roof trusses.
11. Supply and install minimum 13mm gyprock sheeting to all new and existing walls. Note the existing South brick wall to remain as feature wall.
12. Remove the timber lining boards above the East and South brick walls. Install new termite resistant framing and noggings for new gyprock sheeting.
13. Remove the existing glass louvers from the East wall and supply and install moisture resistant cover plate over the inside face and paint to match the existing colour scheme.
14. Supply and install casing bead ends where new sheets butt into roof trusses and where wall sheeting butts into ceiling.
15. Supply and install R.2.5 insulation above new ceiling and in all new walls.
16. Supply and install new termite resistant skirting to all walls to match the existing library building skirting where skirting duct not installed.
17. Supply and install new carpet and underlay as per Government contract. Specification reference: Carpet type (100% Wool) 100% wool loop 1627 grams per m2 to all of the new Library extension.
18. Supply and install .48mm BMT corrugated galvanised roofing to all of new roof including flashing and trims.
19. Supply and install sarking to all of new roof surface.
20. All flashings and external linings are to be specifically designed to stop the ingress of water and vermin.
21. Supply and install a ceiling fan including switch. Install switch from inside of new room next to door opening.
22. Supply and install 4 x twin 40-watt florescent lights with diffusers ceiling mounted and switched from inside of new room next to door opening.
23. Supply and install 16 x Double 10 amp GPO outlets with on off switches and labelling including circuit identification to the following locations;

- 8 to the North wall underside of computer bench top.
- 8 to the West wall underside of computer bench top.
- Confirm all outlet locations with the Principal Representative prior to construction

24. Supply and install RJ 45 Data outlets as per the following;

- All cables to be concealed in wall and ceiling cavities and connected to the existing DATA communication cabinet in Library.
- The contractor is to investigate the existing communication cabinet patch panel to see if there is enough spare capacity for the new Data outlets. If there is not enough spare capacity the contractor is to supply and install a patch panel compatible with the existing into the existing cabinet.
- 4 x RJ 45 Data outlets required to the underside of the North computer bench top.
- 4 x RJ 45 Data outlets required to the underside of the West computer bench top.
- Supply and install all GPO's and DATA outlets in an approved coloured metal Australian Standard skirting duct.
- Confirm all outlet locations with the Principal Representative prior to construction.

25. Supply and install fully laminated computer benches full width of the North and West walls as per the following;

- Bench tops to be 750mm wide x 700mm high.
- Confirm laminate colours with The Principal representative prior to construction.
- Bench tops to be laminated post formed.
- Supply and install total 16 cable slots into bench tops with locations to be confirmed prior to construction.
- Supply and install matching fully laminated bench top supports underside approximately 1600mm apart. Confirm set out with the Principal Representative prior to construction.

26. Prepare and paint all new and disturbed work externally to match the existing with 1 x undercoat and 2 x finish coats.

27. Prepare and paint all new and existing work internally to match the existing with 1 x undercoat and 2 x finish coats.

28. Supply and install smoke detectors to the new computer room to match the existing.

C.O.L.A

29. Supply and install 75 mm foil backed blanket R1.5 laid on 100 x 115 x 1.25 support mesh laid over roof members. Support mesh also to be laid under the roof skylight sheeting.

30. Supply and install underside of the of the COLA roof with Colour bond acoustic metal perforated corrugated ceiling sheets, complete with all Colour bond flashings and capping. Sheets to have a 2.38mm hole pitch, 11% perforation and 6.74 hole staggered pitch. Install folded colour bond finishing trim around each skylight opening, between the skylight roof sheeting and the perforated ceiling sheets.

31. Design and construct a Covered Outdoor Learning Area based on the following criteria;

- The new structure is to cover the area between Blocks A, B & K.
- The C.O.L.A. is to over hang these buildings by approximately 600mm to create a weather seal.
- The roof is to pitch from East to West.
- The columns to the West side of the COLA are to be outside of the existing concrete pavement.
- The roof Apex is to be higher than the existing Dutch gable on Block K.
- Stormwater is to be discharged onto the existing Block A veranda via new downpipe spreaders.
- Stormwater to the West side is to be connected to the existing stormwater lines running parallel with Block K. Where existing concrete and landscaping disturbed the contractor is to make good to match the existing.
- The COLA is to consist of Galvanised steel frame with “Colour bond” roofing sheeting, gutters and flashings (Colours to be selected prior to construction).
- Roof skylight sheeting is to be installed as per specifications mentioned below.

Criteria

- The footings for the columns are to be designed based on the geotech results obtained by the successful tenderer. Holding down bolts are to be fabricated and placed in the concrete footings. Masonry anchors used for

fixing following the erection of the structure will not be accepted. The existing paving is to be neatly cut to enable the footings to be placed. The top of the footings are to finish 100 mm below the finished paving level and will be topped upon completion with matching paving, complete with tooled joints.

- All components shall be of galvanised steel, except where mentioned otherwise, and are to be of enclosed, hollow sections. “C” shape purlins, girts or open web trusses will not be accepted. All purlins are to be installed between portal frames and support beams are not to be fixed to the top of same. Knee braces will not be accepted.
- The structure is to be designed and constructed in accordance with the Registered Practicing Structural Engineer’s certification and specification.
- **The successful tenderer is to submit workshop and drawings suitable to satisfy council’s development application requirements’ These drawings are required within two (2) weeks of the date of the Letter of Acceptance to the Department of Commerce to submit a Development Application. No construction work will be allowed to start until Development Application approval is granted. Extension of time to the contract will be considered pending application time frame for approval.**
- The roof cladding shall be a minimum 0.47 BMT corrugated Colour bond – finish to be selected.
- Structure to include all necessary folded metal capping and flashings as required making structure waterproof – finishing matching selected roof colour.
- Roof Skylights to be installed in the C.O.L.A roof are to be from translucent industrial glass fibre reinforced polyester (GRP) fire retardant roof sheeting, matching profile of metal roof sheeting. Allow two (2) runs of full length skylight at equal spacing each side of roof. GRP roof sheeting to have a weight requirement of 3660g/m², Colour: Pearl, and have a light transmission level of 3660g/m², - 36% - Compliance for AS1530.3.
- 100mm x 115mm x 1.25mm support mesh shall be laid under roof sheeting and fixed in accordance with relevant standards prior to the installation of the roof sheeting

- Gutters to be deep profile fascia gutter with finish to match roof sheeting colour.
- Downpipes to be a minimum 100 mm by 75mm and finished to match roof sheeting colour. Secure downpipes to columns with a minimum of three (3) astragals per downpipe.
- Connect downpipes to existing stormwater system and make good to all disturbed surfaces.

Australian Standards

- It is a mandatory requirement of this tender that all deliverables supplied and install under any resultant agreement shall comply with all current relevant Australian Standard(s).
- Where Australian Standards do not exist, appropriate International Standards (where available) shall apply.
- In addition to compliance with relevant Australian and International standards, deliverables offered should comply with other relevant standards and codes, as appropriate, to ensure supply and installation of products, under the resultant agreement, is fit for the intended purpose. Tenderers should provide details of any other relevant standards and codes that deliverables offered comply with.
- All subsequent amendments/revisions to applicable standards and codes and any new standards and codes developed during the period of the agreement, shall apply with immediate effect.
- Where this specification requires standards that exceed or are different from those applicable under relevant Australian or International Standards and codes, this specification shall take precedence.

Certification and Documentation

- Tenderers are required to provide certification, where applicable, by a practising structural engineer, or where required, other appropriately specialised engineer, registered with the Australian Institute of Engineers, for the design/manufacture and/or construction/installation of any work undertaken in the resultant agreement.
- The Contractor is to submit the completed design, comprising all relevant drawings, specifications, calculations and any other statutory certificates, in accordance with the project requirements, prior to the commencement of work.

- The Contractor is solely responsible for ensuring the completed design is fit for purpose and complies with all relevant regulations, codes and standards.
- The Principal is not bound to check design plans, or other relevant documentation, for works undertaken in the resultant agreement, for errors, omissions or compliance with the requirements of the Contract.
- The Principal is not liable to the Contractor for any claim due to the Principal not detecting or notifying the Contractor of any errors, omissions or non-compliance with the requirements of the Contract, or non-compliance with any relevant regulations, standards and codes, in the completed design.
- Where appropriate, the Contractor is to grant to the Customer an irrevocable licence to use the Contractors design for works undertaken in the resultant agreement.

Installation General

Tenderers are advised the following conditions will apply, as appropriate, for all installation works undertaken in the resultant agreement:-

All equipment should be installed to minimise potential risk of hazards and injury to users.

It will be the Contractor's responsibility to engage a registered, practicing structural engineer to determine the site classification, including wind classification, exposure and any other information, relevant to the design and installation of the deliverable(s). Contractors must ensure all works undertaken in the resultant agreement are in accordance with the requirements of the site.

The Contractor shall be responsible for undertaking all necessary site preparation and survey work required for the installation of deliverable(s).

From and including the date the site is made available to the Contractor, to the date of completion of the works, the Contractor shall be responsible for the care of the site and surrounding area and all things entrusted to the Contractor by the principal for the purpose of the works.

All fillings used in site preparation, construction and site restoration a\should be free from perishable matter and consistent with existing soil/ground surface unless the specified filling type can be provided from spoil recovered from the excavations.

The Contractor shall be responsible for applying dust and noise control measures for all works undertaken.

All areas outside the works not required to be altered (including the natural ground surfaces of the site), which have been disturbed by the works, shall be restored to their original condition on completion of the works.