No 610

Erect Church in
Main Road, Street

for Church of England Trustees

Henry Illingworth, Builder

5th May 1911.
1st May.

R.M. to S.M.

W.W.

1st May 1911

Valour 1915

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Attention is to be drawn to the issue of a permit.
Specification of work required to be done in building St. Mary’s Church, Karori, to the satisfaction of F. De J. CERE, F.R.I.B.A., architect, and in accordance with plans prepared by him.

All excavation shall be carried out as shown on site. All holes to be well filled & tightly rammed. Cement of approved brand & a briquette of neat cement 1 sq. After 1 day in moist air & 6 days in water shall bear a tensile stress of 400 lbs. Concrete shall consist 1 part cement 2 parts sand & 4 parts shingle.

Sand shall pass through 1/4 wire mesh & shall be clean & sharp & free from salt. Aggregate excepting in foundations shall contain no stone that will not pass through 1 mesh.

Larger approved metals can be used for foundation. All concrete to be turned over twice dry & twice wet. Concrete to be mixed on clean bunker & if standing more than 15 minutes not to be used. When concrete is set it shall be cleaned & the grain of neat cement washed over it.

Up each angle (internal & external) of building & on each side of each opening shall be placed in middle of wall a vertical 1/2 steel rod extending from foundation to top of wall. To within 6 of top button. Every 2' place a horizontal 1/4 steel wire hook round vertical bars & stretched as straight as possible. At 40 lb. rail running from bottom to top in each angle of tower. Four horizontal rows of 1/2 steel rods next to openings 2' above & below each as specified for rest of building. Concrete floor in ringing chamber shall have 1/2 rods placed in spaced 12' apart in both directions.
1½" bolts shall be built in to take plate in tower.
The piles throughout shall be 9" x 9" concrete
& piece of galv. wire 1½" in concrete shall be
long enough to embrace sleeper or plate firmly
stapled & same. Projections shall be 9" x 3" on wall
Under each 9" x 7" post concrete piers 16" x 16" at the
height required shall be formed. 4 steel dowels
gauging 6" into concrete & 3" into post shall be fixed.
Window frames shall be secured by ½" bolts that
are bedded 5" in concrete.
All plastering to be at least ½" thick outside,
plaster shall be left to take rough cast
All timbers used in flooring furniture & all
joinery shall be perfectly dry & free from sap.
Heart Oregon for sleepers, stringers joists &
common rafters & for all timbers not visible
or painted excepting in upper part of lower
Heart Kauri inside ceilings linings.

Heart Yalara for all window frames & sashes &
for bottom plates off temporary west wall.

C.B. timber for all framing inside lining
window facing large & covering boards, west wall
Heart Jarrah for all other timber required.

St. Yalata. Flooring.

Sleepers & stringers shall be as shown & secured to
piles by wires as specified
Joists shall be of sizes shown spaced 18" centres
& securely spiked to sleepers & stringers. Those
under chancel to be supported in centre by
12" x 5" rolled steel joist 3½ lbs to the foot.
They shall also be stiffened by 2 rows 3½"
helping bone strutting.
There shall be 2 roof principals in framed as shown & 3 in chancel one of latter shall form chancel arch & 1 shall be placed against east wall but shall be formed of 2" timber instead of 4".

In transept shall be placed an 8" x 1½" rafter & against each of the outside transept walls an 8½ 2" rafter into which purlins shall be framed. Purlins shall be 5" x 5" spaced as shown housed 1½ into rafter & tied to corresponding purlin on other side of rafter by a 2" strip of ¾" thick hoop iron common rafters shall be 4" x 2" nailed to purlins spaced 18 centres.

In the temporary west wall the bottom plate shall be 6" x 3" studs 6" x 2" with 6" x 3" nailing pieces spaced at 20" centres. Framing of upper part of tower shall be as shown out of rough heart of jarrah. The 8½ 8" beams shall be 2 in number passing over walls and cut at ends & bolted down as shown. The framing generally is distinctly shown upon drawings.

The wall dividing the vestries from each other from space under have shall be formed with 4½ x 3" plates & 1½ x 2" studs (studs at 16" centres).

The window frames in basement shall be formed of 5½ x 3" frames & heads let into 5½ x 3" sloping double sunk, weathered & throated sills. The frames in other parts of church shall be 5½ x 3". All door frames shall be 5½ ¾" let fully into concrete & solid rebated for doors.

The painter's materials shall be the best of their respective kinds & if required by the architect shall be first opened on the works & in his presence.
Plumber

The whole of Temporary West End shall be covered with 26 gauge galvd. iron of approved
The only spouting in the contract shall be that of louvre & small roof that overhangs the door
leading into basement near tower. These
shall be 3" cast iron spouting (secured by brick)
provided with 3" down piping into a 400 gal.
tank which shall have 3" overflow leading to
gulp trap outside. Water shall be conveyed
through 1½" pipes into a basin inside. There
shall be no drainage beyond the gulp trap just
mentioned. Valley & gutter at junction of roof
will tower shall be formed of 3 lb. lead.
The whole of the roof shall be covered with
the best quality Marseilles Tiles.

Single tiles on slopes of Butresses.

All Electrical work shall be carried out
by an approved tradesman and in accordance
with the conditions of the Underwriters
Association & the satisfaction of their inspector.

May 5th 1911

To be built in accordance with the Woodi
Borough Building Bye Laws.

[Signature]