

House relocation methodology relating to the period dwelling at 197 Roslyn Rd Belmont to 195 Roslyn Rd Belmont.

1. DETAILED DOCUMENTATION PHASE

1.1 Obtain planning approval consent

- Existing condition drawings
- Architectural documentation of the extent of the building to be relocated
- Detailed photographic record (internal and external)
- Chimney detail documentation
- Brick bond pattern recording (if applicable)
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2. STRUCTURAL ENGINEERING ASSESSMENT

- a. Dilapidation report of existing house before relocation. Specific attention upon:
 - Brick chimney
 - Bearer and joist subfloor
- b. Structural engineer to supervise and/or design:
 - Check stump design to geotechnical report design
 - Lifting points
 - Steel beam layout (if required)
 - Chimney removal and reconstruction
 - Frame and cross/ply brace locations

3. CHIMNEY REMOVAL AND RECONSTRUCTION

Dismantle & Rebuild

- i) Number each brick
- ii) Salvage original bricks
- iii) Removal of bricks individually
- iv) Brace walls and install new walls in place of brickwork
- v) Once under roof line replace roof trusses/rafters
- vi) Remove chimney footing
- vii) Pour new footing at designated location
- viii) Install concealed steel reinforcement internally

4. PREPARATION FOR LIFT



4.1 Establish permit requirements

As the house is relocated on the same property:

- No VicRoads permits required (unless crossing footpath or road)
- No overhead wire clearance unless near boundary

4.2 Services Disconnection

- Electricity abolishment
- Gas abolishment
- Sewer cut and cap
- Stormwater disconnect
- NBN abolishment/removal (if applicable)

4.3 Internal stabilisation

- Remove plaster ceiling roses
- Remove fragile cornices
- Secure windows & doors
- Cross/ply brace internal walls

4.4 External stabilisation

- Brace the entrance patio posts back to the house
- Brace the veranda posts and support the veranda bearers
- Spouting and eave gutter detachment to existing service connections

4.5 Install Steel Lifting Frame

- a) Excavate around perimeter
- b) Cut access openings in subfloor
- c) Insert heavy steel universal beams
- d) Install cross beams
- e) Bolt to structural members
- f) Install hydraulic jacking system

4.6 Setout new location stumps

- a) Land surveyor to set out building on the new location
- b) Install new stumps in new positions
- c) Allow for path of hydraulic truck to enter the site to reverse the house into position
- d) Remaining stump support to be completed after the building is lowered onto the new stumps and support jacks

5. HOUSE RELOCATION

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1. Install hydraulic house jacks under bearer
 2. Lift the house to 1m so that bearer supports can be placed under the bearers at designated positions as per the stump layout
 3. Place on hydraulic house jacks at designated points of load as per structural engineer design
 4. Hydraulically raise the house for the hydraulic truck to move under the house
 5. Secure the house to the steel lintels
 6. Reverse the hydraulic truck under
 7. Hydraulically lift the house off the jacks and onto the truck tray
 8. Slowly track across prepared path at 1 to 5m per hour
 9. Reverse the Place the house on the new predetermined and located position
 10. Install the bearer supports under the existing house bearers
 11. Position over new footing system
 12. Hydraulic jacks to designed locations
 13. Truck lowers the house onto hydraulic jacks
 14. Truck reverses out from underneath the building
 15. Complete installation of the rest of the stumps as per engineering checked design
 16. Hydraulically lower the house into the new position
 17. Remove steel beams
 18. Remove all bracing

6. POST-MOVE RESTORATION

- Rebuild chimneys on new footings
- External weatherboards repair
- Remove damaged plaster cracks and repair
- Cornice reinstatement
- Paint touch-ups
- Veranda and patio post extension and repair to original condition
- Repair or replace all damaged spouting, guttering or roofing
- Repoint brickwork
- Heritage brick cleaning (low pressure only)

7. SERVICE RECONNECTION

- a) Insulate under subfloor to new energy rating standards
- b) Reconnect subfloor framing
- c) Patch internal cracks
- d) Reconnect all services



e) Stormwater works