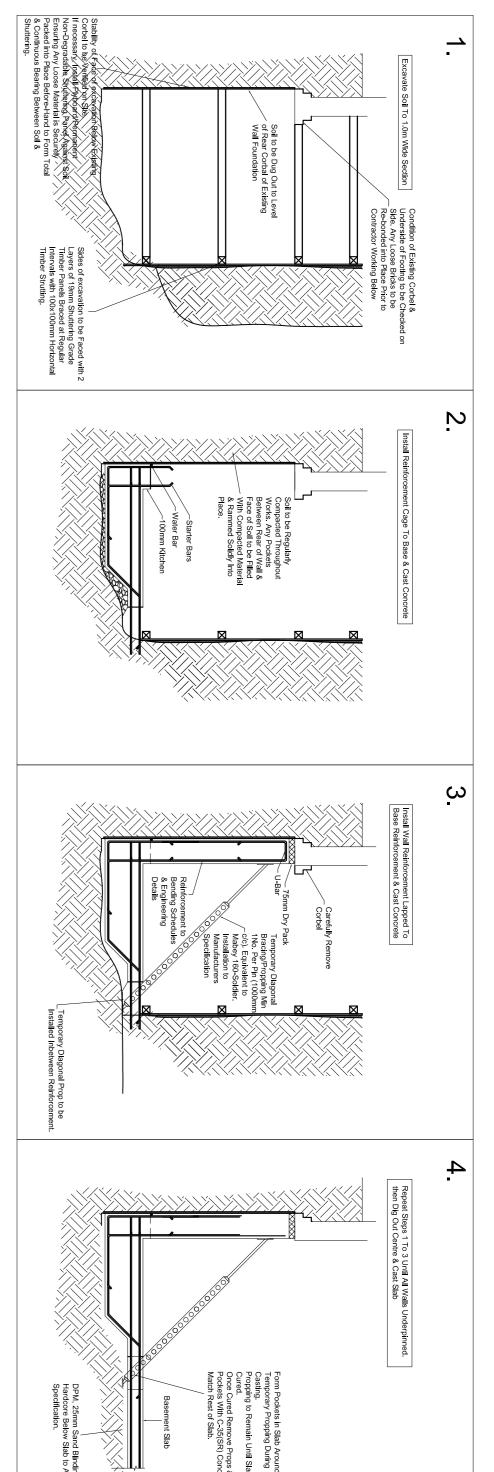
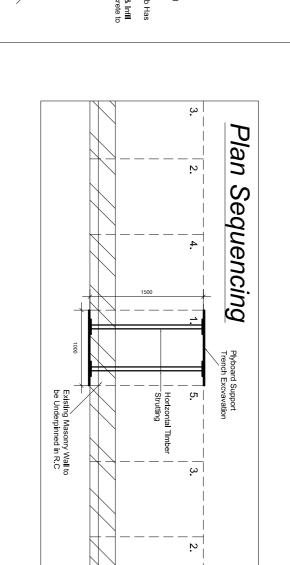
EXTERNAL WALL UNDERPINNING





13. Concrete padstones ...

14. Foundation concrete to be grade C40.

15. Foundations to be 600mm below any root activity (min 1100mm depth unless otherwise noted).

All waterproc specification.

21. No work to commence on site prior to building control approval of structural details.

Any excavations works within 3m of any adjoining property or party structure may be subject to party wall agreement.

18. All new mas profiles.

onry to be fixed to existing with furfix

17. New brickwork to be 35N/mm², new blockwork to be 3.5n/mm² set in 1:1:6 mortar, unless noted otherwise

TIMBER/BRICK: BAT SPH hanger when there is a minimum of 675mm of brickwork above, if not use MAXI SPEEDY hangers or equivalent.

TIMBER/TIMBER: BAT JIFFY or MAXI SPEEDY hanger or framing anchor.

RAFTER/TIMBER PLATE: use BAT framing anchors or angle brackets as appropriate. Do not skew nail any connection.

ALLOW FOR BAT M305 STRAPS @ 1200 c/c for restraint of joists and all wall plates.

11. Double and triple joists to be bolted together with M12 bolts + 63mm dia. TP connectors and washer plate @ 450 c/c unless otherwise noted.

All black bolts to be grade 8.8.

ned to BS 5268 OR EN5.

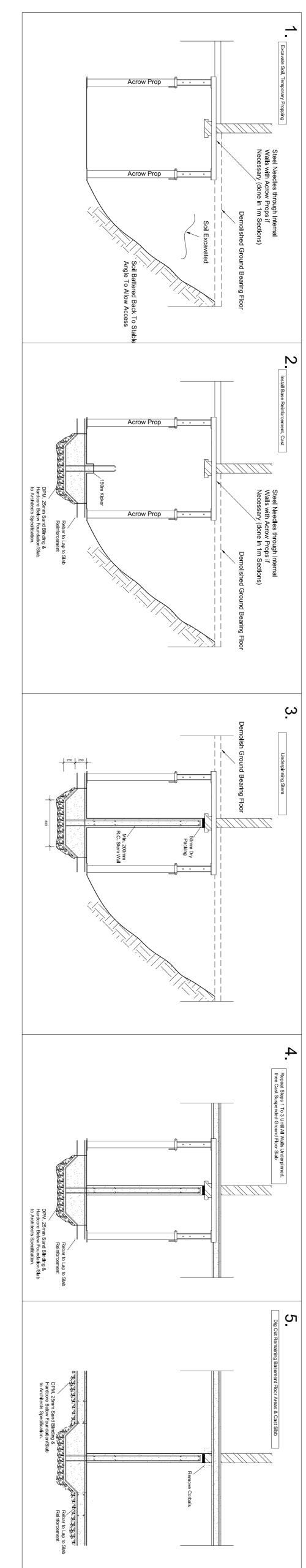
All steel below ground floor level to be encased in 75mm concrete unless noted otherwise.

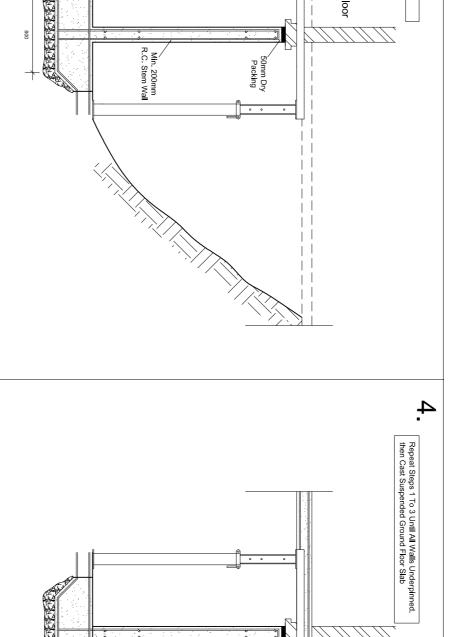
All welding to be 6mm fillet welds carried out in workshop.

All fire protection to architect's specification, provide min. ½ hour fire resistance capability to all steel (e.g. 12.5 mm plasterboard and 7mm skim).

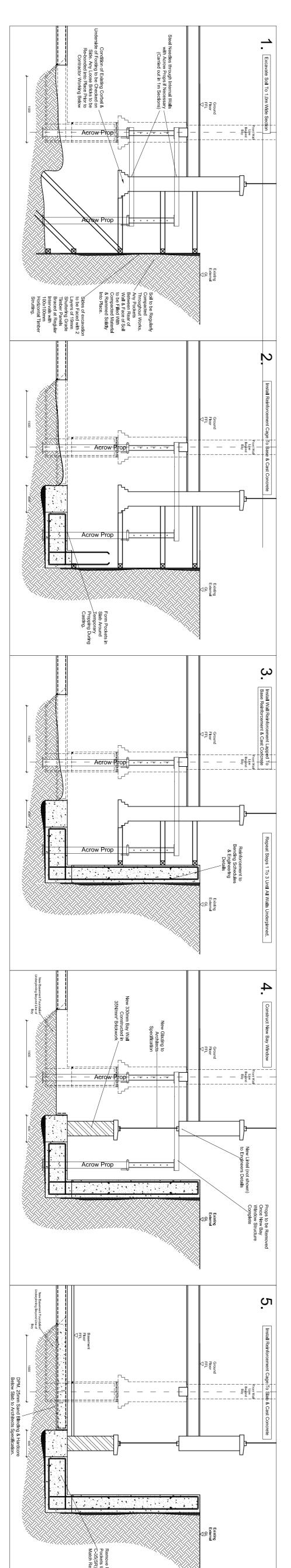
Apply 2 coats of red oxide primer/2 coats zinc rich primer to all steel prior to erection.

INTERNAL WALL UNDERPINNING -Main House





LIGHTWELL WALL UNDERPINNING



. Trial pit to be excavated any existing structure avation for retaining walls

Reinforced Concrete Notes

r to Drav

ing No.1

. If contractor has preferred al construction please call us.

Vertical expansion joints:
Every 5 metre length in blockwork
Every 12 metre length in brickwork

24. Floor joists strapped to main brick walls in accordance with A3 disproportionate collapse guidelines, new steel beams supported on steel columns down to foundation level.

Any beams, joists hangers, or other structural works attached to party wall may be subject to party wall agreement.

Never excavate two adjacent strips without allowing 3 days between operations. Working in strips not exceeding 1m long excavate to required depth adjacent to existing structure.

Lay reinforcement on adequate spacers, cast new oncrete and allow 24 hours to cure.

Ensure ground behind new foundation & wall is fully backfilled and compacted. Check at regular intervals to ensure this during construction. Ensure water bar is installed correctly between base and wall. Construct wall reinforcement & allow for bondin into next section of wall. Cast concrete to required height.

11. Reinforcement shall be to bs-8110 with main bars to be grade 500(high yield). 10. All new concrete below ground to be sulphate resisting cement conc. Grade 35. When adjacent sections are opened up the exposed concrete surfaces should be thoroughly cleaned of all loose material & scabbled to form a good key. Foundations to be 1000mm wide untherwise.

2. Ready mix concrete must be obtained from a plant which holds a current certificate of accreditation under the quality scheme for readmix concrete.

. No concrete is to be placed when the air temperature is less than 5° c.

Title: TYPICAL SEQUENCE OF
UNDERPINNING PROPPING
Preliminary:
for Planning/Basement Impact Assessment 15/11/19 BIA: Lightwell Sequence Added

Date Description App PS

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NOTES Read in conjunction with architect's dra

All steel members to be grade S275JR steel unless otherwise noted. All steelwork designed to EN3 fabricated to EN3 ar EN1090.