

**FOUNDATION SPECIFICATION**

THE FOUNDATION IS TO HAVE A MINIMUM SECTION SIZE OF 750 MM x 670 MM ALONG THE WHOLE LENGTH OF THE REAR ELEVATION SUBJECT TO RE-FOUNDING ALL GROUND BENEATH THE RE-FOUNDING AREA IS TO BE LEVEL AND ANY SOFT SPOTS ARE TO BE FILLED WITH C10 GRADE MASS CONCRETE.

ALL CONCRETE USED, TO HAVE A MINIMUM CRUSHING STRENGTH OF 35NMM<sup>2</sup> AT 28 DAYS (CONCRETE C35 GRADE TO BE USED).

CONCRETE MIX SHALL CONTAIN AN ANTI-CRACK/SHRINKAGE ADDITIVE:  
 MAXIMUM AGGREGATE SIZE TO BE 20MM.  
 400 mm LNG. x 25 mm DIA. HIGH TENSILE REINFORCING BARS TO BE USED TO KEY EACH CONCRETE POUR.

MINIMUM COVER OF 50MM IS TO BE PROVIDED TO STEEL REINFORCEMENT.  
 FORMWORK AND SHUTTERING TO BE INSTALLED PRIOR TO PUMPING OF CONCRETE.

ALL FORMWORK AND SHUTTERING TO BE SEALED, JOINTED AND FIXED SECURELY AND CORRECTLY.  
 THE RE-FOUNDING IS TO FOLLOW THE SEQUENCE AS SET OUT WITH BAYS NO. 1 BEING EXCAVATED AND POURED, LEFT TO CURE, BAYS NO. 2 TO BE EXCAVATED AND POURED, LEFT TO CURE, AND SO ON...

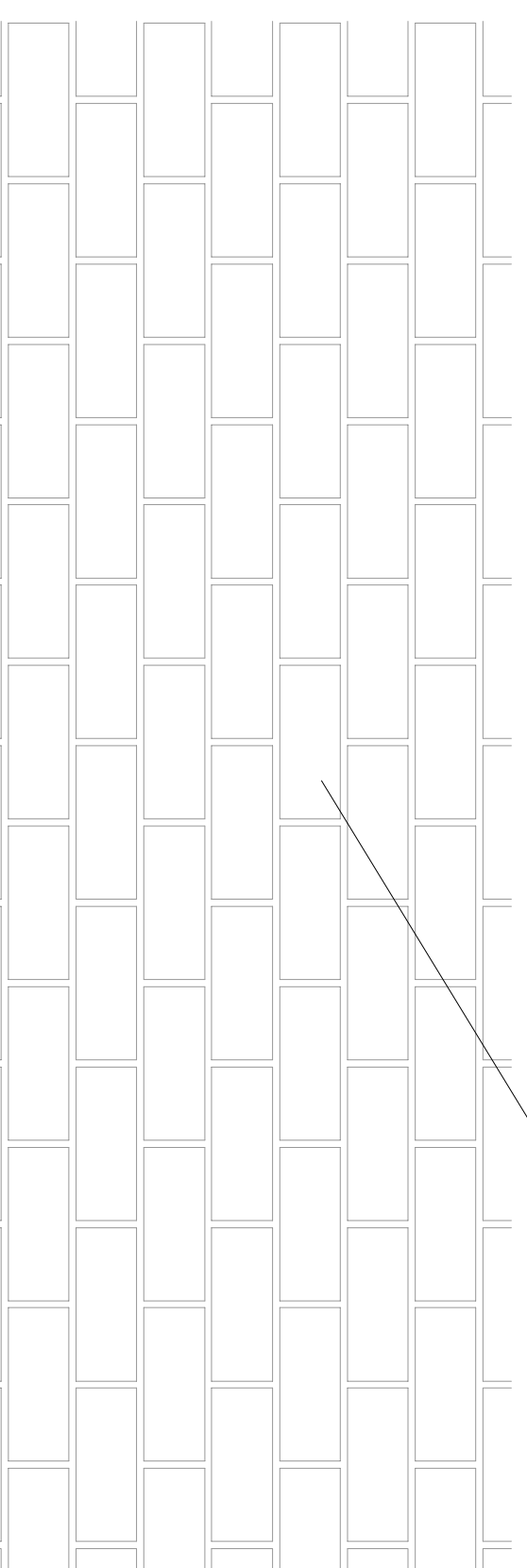
THE SCHEDULE SHOWS TWO BAY WORKINGS -  
 THE RE-FOUNDING LEGS ARE TO BE COMPLETED WITHIN THE SEQUENCE AND THE BAYS WILL COMBINE TO FORM A TRENCH THAT SHALL ENABLE A FINAL AND COMPLETION CHECK PRIOR TO BACKFILLING.

THE SEQUENCE OF LEGS / BAYS OF THE RE-FOUNDING IS TO BE COMPLETED, PINNED AND CURED TO SUPPORT THE UPPER LOADS PRIOR TO UNDERTAKING THE NEXT SET OF WORKINGS.

WORKING BAY WIDTH TO BE A MINIMUM OF 1000 MM TO PROVIDE ADEQUATE WORKING AREA.  
 CAREFUL PROVISION SHOULD BE UNDERTAKEN WHEN CARRYING OUT ANY PART OF THE WORKS, ESPECIALLY ON EXCAVATION WORKS.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE ACCOMPANYING DOCUMENTS.

**BRICK OUTER LEAF FACADE.**



3 NO. 400 mm LNG. x 25 mm DIA. HIGH TENSILE REINFORCING BARS

20 - 25 mm THICK WELL RAMMED NON-SHRINK GROUT

UNDERSIDE OF EXISTING FOUNDATION TO BE CLEANED TO RECEIVE FINAL PINNING

EXISTING FOUNDATION - size presumed and should not be relied upon

NEW FOUNDATION - C35 grade concrete mass fill led pins 750 mm x 670 mm

TYPICAL LEG

SCALE 1:10

TYPICAL SECTION

SCALE 1:10

EXISTING FOUNDATION - size presumed and should not be relied upon

TIMBERING SUPPORT AS REQUIRED.

g.l. at rear garden of the subject property

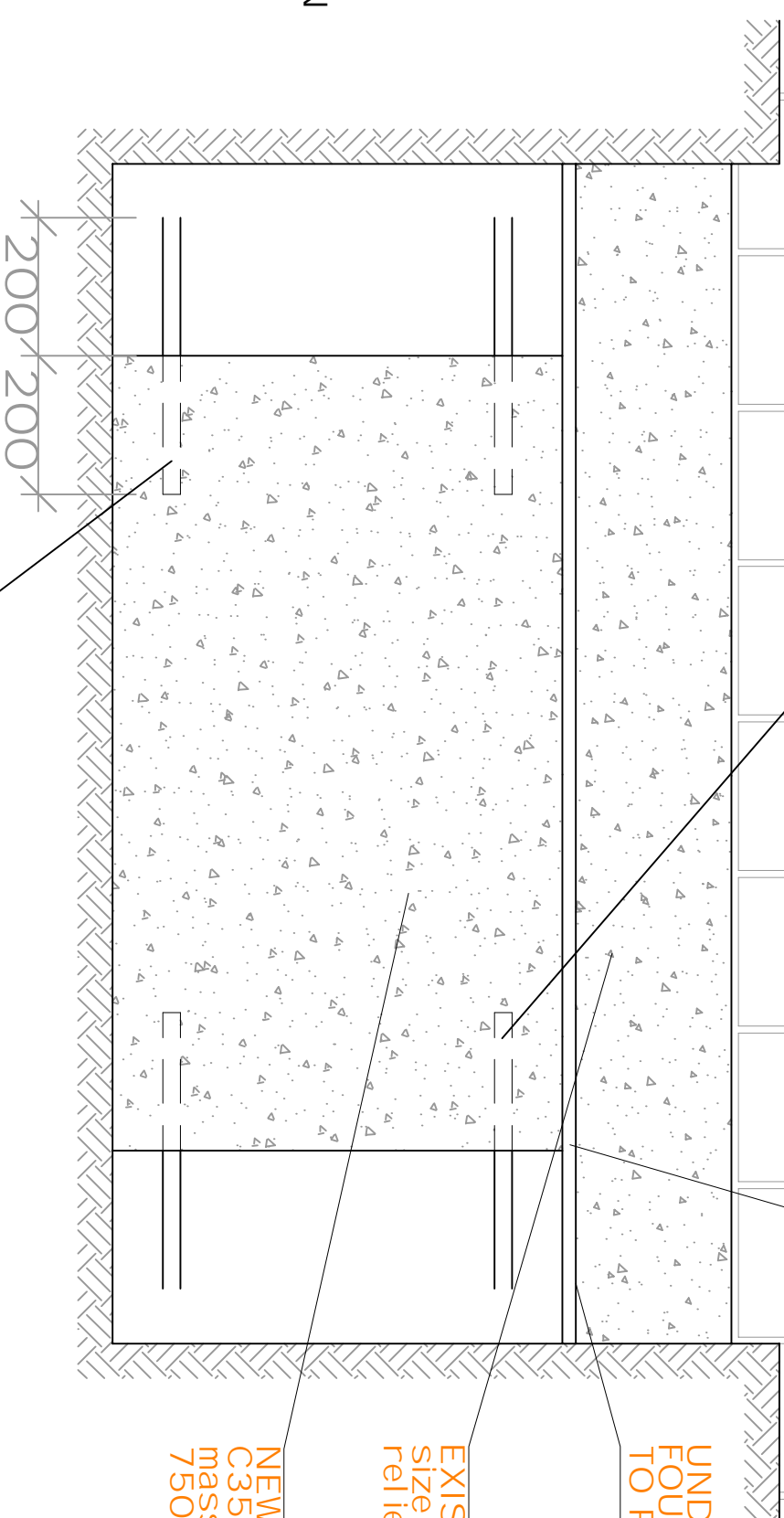
3 NO. 400 mm LNG. x 25 mm DIA. HIGH TENSILE REINFORCING BARS MIN. COVER 50 mm

AFTER COMPLETION AND CHECKING OF RE-FOUNDING, VOID TO BE BACKFILLED AND WELL CONSOLIDATED IN 150 mm LAYERS WITH THE EXCAVATED MATERIAL.

NEW FOUNDATION - C35 grade concrete 750 mm x 670 mm

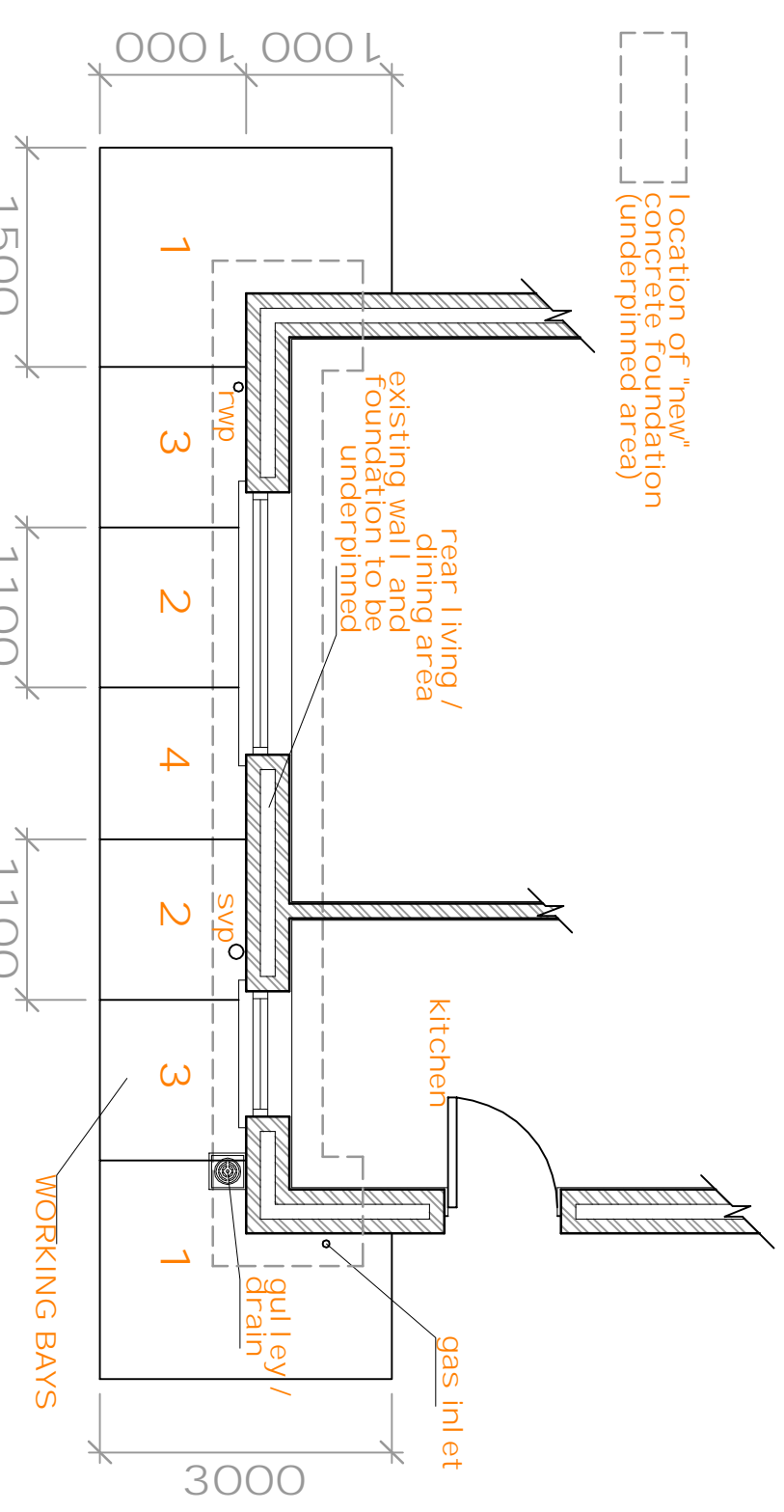
3 NO. 400 mm LNG. x 25 mm DIA. HIGH TENSILE REINFORCING BARS MIN. COVER 50 mm

3 NO. 400 mm LNG. x 25 mm DIA. HIGH TENSILE REINFORCING BARS



Location of "new" concrete foundation (underpinned area)

rear living / dining area existing wall and foundation to be underpinned



PLAN LAYOUT : BAY SCHEDULE SCALE 1:50

**Revisions**

Rev. Date	Description	By
	Do Not Scale From This Drawing for Construction Purposes	
	All Dimensions Are in mm Unless Otherwise Stated	
	All Dimensions Must Be Checked & Verified By The Contractor Prior To Commencing Work	
	All Work Must Be To The Satisfaction Of the Building Control Officer / Inspector	

**S P J Simmonds Consulting Ltd**

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Client

Site Name

Project Title  
 Underpinning Scheme

Drawing Title

Underpinning Schedule & Specification

Paper Size	Scale	Drawn By	Checked
A2	As Shown	SS	SS
Drawing No.	Project No.	Date	Revision
SPJS/1451/01	SPJS/1451	19.12.2010	