

LEGEND

- Denotes existing structure
- Denotes structure to be demolished
- Denotes structure under
- 150 x 50 timber joists, C24 @ 400c/c with 18mm ply glued and screwed to top
- 175 x 50 timber joists, C24 @ 400c/c with 18mm ply glued and screwed to top
- 175 x 63 timber joists, C24 @ 400c/c with 18mm ply glued and screwed to top
- 200 x 50 timber joists, C24 @ 400c/c with 18mm ply glued and screwed to top
- 200 x 63 timber joists, C24 @ 400c/c with 18mm ply glued and screwed to top
- Doubled/Triples/Quadruple up joist (bolted together as per SDS spec)
- Timber post - 2No. 100x50 C24 Posts bolted with M12s at 400mm centres
- Load bearing timber wall with 150x50, C24 timber studs at 400mm centres
- Existing joist span - TBC on site
- Min 125thk RC ground bearing slab cast onto min 150thk well compacted sub-base. Use A393 mesh in top (50mm cover)
- Trial pits to establish the type, depth and width of existing footing, taking note of bearing strata. Excavation to extend 150mm below footing to prove underside of foundation.
- 1200mm long heavy duty lateral restraint straps cast into masonry using concrete and fixed to noggin between joists as per SDS specification
- Denotes position of crank
- Denotes moment connection

PADSTONE SCHEDULE: PS#

PS1	440mm long x 100mm wide x 215mm tall MC Padstone
PS2	330mm long x 100mm wide x 150mm tall MC Padstone.
PS3	215mm long x 215mm wide x 150mm tall MC Padstone.
PS4	440mm long x 215mm wide x 215mm tall MC Padstone.
SP1	440mm long x 100mm wide x 20mm thick MS plate.

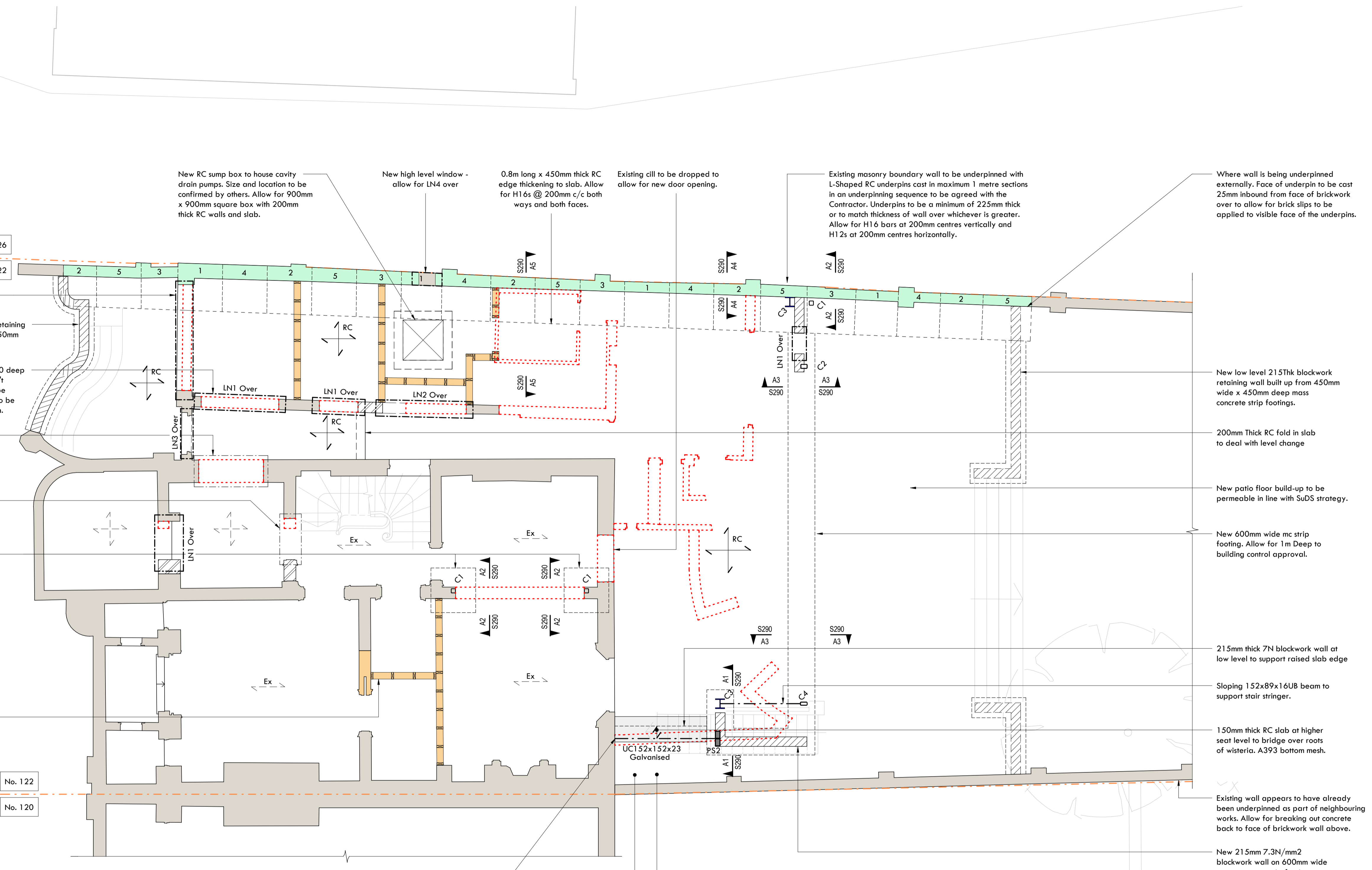
LINTEL SCHEDULE:

	New lintel over opening. All lintels to have min. 150mm bearings UNO.
LN1	R15A Supreme precast prestressed concrete lintels (1No per 100mm wall thickness)
LN2	R22A Supreme precast prestressed concrete lintels (1No per 100mm wall thickness)
LN3	CN71A CATNIC Solid wall lintel
LN4	R22A Supreme precast prestressed concrete lintels (1No per 100mm wall thickness) to inner leaf/ New traditional brick arch lintel outer leaf
LN5	CCA Catnic Standard Arch Lintel

COLUMN SCHEDULE		
REF	SIZE	GRADE
C1	SHS100x100x6.3	S355
C2	RHS150x100x10	S355
C3	UC203x203x86	S355
C4	RHS160x80x10	S355
C5	CHS114.3x6.3	S355

All footings to be mass concrete trench fill footings cast onto suitable undisturbed ground and in accordance with Building Control Officers approval on site. Footings to be cast at least 1000mm below ground UNO, and at least as deep as existing foundations, whichever is the deeper. Anticipated Ground Conditions are - Kempton park gravel. SDS Ltd to be informed if found to be otherwise.

INFORMATION RECEIVED:
This drawing has been developed using information received up to and including
Where information provided to us is incomplete or subject to change, our drawings will need to be updated accordingly.



New RC sump box to house cavity drain pumps. Size and location to be confirmed by others. Allow for 900mm x 900mm square box with 200mm thick RC walls and slab.

New high level window - allow for LN4 over

0.8m long x 450mm thick RC edge thickening to slab. Allow for H16s @ 200mm c/c both ways and both faces.

Existing cill to be dropped to allow for new door opening.

Existing masonry boundary wall to be underpinned with L-Shaped RC underpins cast in maximum 1 metre sections in an underpinning sequence to be agreed with the Contractor. Underpins to be a minimum of 225mm thick or to match thickness of wall over whichever is greater. Allow for H16 bars at 200mm centres vertically and H12s at 200mm centres horizontally.

Where wall is being underpinned externally. Face of underpin to be cast 25mm inboard from face of brickwork over to allow for brick slips to be applied to visible face of the underpins.

Proprietary double leaf brick slip arched lintel over opening

New low level 215 Thk blockwork retaining wall built up from 450mm wide x 450mm deep mass concrete strip footings.

Existing footing approximately 1100 deep therefore new lowered slab shouldn't undermine existing footing. SDS to be notified if existing footing is found to be shallower than proposed excavation.

Existing opening to be reinstated. Existing lintel to be reused and raised into new position.

Existing lintel to be reused and raised.

1000x1000 MC pad footing

New patio floor build-up to be permeable in line with SuDS strategy.

New 600mm wide mc strip footing. Allow for 1m Deep to building control approval.

215mm thick 7N blockwork wall at low level to support raised slab edge

Sloping 152x89x16UB beam to support stair stringer.

150mm thick RC slab at higher seat level to bridge over roots of wisteria. A393 bottom mesh.

Existing wall appears to have already been underpinned as part of neighbouring works. Allow for breaking out concrete back to face of brickwork wall above.

New 215mm 7.3N/mm2 blockwork wall on 600mm wide mass concrete strip footing.

UC152x152x23 Galvanised

Raised planter to be kept

Existing wisteria to be protected and retained.

Ends of beam to have 12mm thick end plate and fixed to rear elevation with 4no. M12 resin anchors. Minimum 100mm embedment.

- Drawing Notes:**
1. These drawings are not to be used for setting out purposes. Refer to the latest Architects information and site measure as required.
 2. Contact Structural Design Studio Ltd in the event of any discrepancies between findings on site and these drawings.
 3. Drawing is to be read in conjunction with the Structural Design Studio Ltd Specification and General Notes.
 4. 3D views are indicative only and any conflicting 2D information should take precedence. If in doubt contact Structural Design Studio Ltd prior to starting work



Studio 3, Eastfields Ave, SW18 1GN
020 8191 8688 | www.structuraldesignstudio.co.uk

TENDER			
Client:	Date:		AUG 2023
Project Name:	Eng:		SW CN
122 Castelnau, SW13 9EU	Scale:		1:50 @A1
Drawing title:	Lower Ground Floor Plan		
Project Number:	Drawing Number:	Rev	
222083	S-090	P05	
Rev	Amendment	Date	Drawn Eng

P05	Issued for Tender	27.06.2024	CR	SW
P04	Issued for Tender	15.02.2024	CR	ED
P03	Issued for Tender	19.01.2024	CR	SW
P02	Issued for Tender	30.11.2023	CN	SW
P01	Issued for Information	08.09.2023	CN	SW