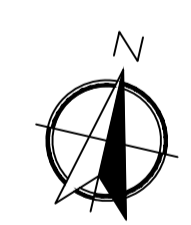


- Construction Sequence:**
- Needle 28 / 29 party between Grids C/8-9. SEE (8) FOR WORKS STARTING AT SAME TIME.
 - Excavate trench for pad and column on Grid C/8.
 - Construct reinforced concrete pad on Grid C/8.
 - Install columns on Grid C/8.
 - Repeat (1) - (4) for Grid C/9.
 - Install beams on 28 / 29 party wall at lower ground floor level between Grids C/8-9.
 - Install lower ground floor beams in Bay 6.
 - Construct Stage 1 underpins to 28 flank wall in Bay 6. THIS WORK CAN PROGRESS WHILE (1) - (7) ARE BEING COMPLETED.
 - Complete the bulk excavation in Bay 6 to 300mm above the underside of the existing foundation.
 - Construct the Stage 2 underpins to 29/30 party wall in Bay 6.
 - Construct the slab at SSL=3.794 in 29 in Bay 6.
 - Construct the reinforced concrete walls on Grids A and D in Bay 6.
 - Excavate to the bottom of the Stage 1 underpins in Bay 1 installing the lateral temporary work at 5.000m as the excavation progresses.
 - Construct the Stage 2 underpins to 28 flank wall in Bay 6.
 - Complete the bulk excavation installing the lateral temporary works at 2.700m as the excavation progresses in Bay 6.
 - Construct the slab at SSL=2.394 in Bay 6.
 - Construct the lower ground floor slab and reinforced concrete pockets in the wall down to the underpins. The reinforced concrete pockets connect the underpin to the lower ground floor slab to allow it to act as a prop in Bay 6.
 - The temporary works can be relocated to Bay 6 once all the slabs have cured for a minimum of 14 days.
 - Repeat (1) - (17) for Bay 5.
 - Repeat (1) - (17) for Bay 4.
 - Repeat (1) - (17) for Bay 3.
 - Repeat (1) - (17) for Bay 2.
 - Repeat (1) - (17) for Bay 1.
 - Repeat (1) - (17) for Bay 7.

- General notes**
- All dimensions have been taken from the Architectural drawings. Any discrepancies shall be brought to the attention to both the Architect and the Structural engineer for resolution.
 - Do not scale this drawing. Use figured dimensions only. Any errors or omissions are to be reported to the engineer.
 - All dimensions are in millimeters unless noted otherwise.
 - This drawing is to be read in conjunction with all relevant engineer's drawings specifications, schedule of works and Construction Method Statement.
 - All beams and columns are in the floors on which they are shown unless noted otherwise.
 - All new steel work to be min GR275 or GR355.
 - All new concrete to be RC40 concrete (DS-2 class where in contact with the soil).
 - All reinforcing to have a min of 750mm cover where poured against natural ground, 500mm cover where poured on DPM and 300mm cover for pockets and RC columns with less width than 2500mm.
 - All ground bearing reinforced concrete slabs, pads and beams are to be poured on a 1200 gauge DPM.
 - 240mm thick reinforced concrete slab with Richard Lees Ribdeck 80 installed onto bottom flange of 254UC89 beams or via shelf angles fixed to web where different beam sections occur.
 - Allow for Laps to reinforcement bars 1200mm long to ensure continuity.
 - The underpinning is to be completed in a 6, 5, 4, 3, 2, 1, 7 bay sequence. The underpinning is referenced by bay i.e. 1-1 is bay 1 underpin 1. Underpins noted 0 are key underpins that are to be completed prior to the specific bay sequence.

Wall key

- L shaped R.C. underpins retaining walls
- R.C. lining retaining walls and LGF slab
- cast 200, 250 or 200mm deep and 900 or 700mm wide along the length of the wall R.C. columns down to foundation to support beams of the LGF floor
- L shaped mass concrete underpins
- cast 230mm deep and 500mm wide along the length of the wall at 1000mm centres (1 No per underpin) R.C. pockets down to top of underpin to connect the R.C. underpin retaining wall to the lower ground slab to allow it to act as a prop
- existing brick walls
- new brick walls
- footprint of bearing brick walls above LGF level
- footprint of bearing brick walls above LGF level to be removed



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JOB TITLE
**28-29 HANS PLACE
LONDON
SW1X 0JY**

DRAWING TITLE
**STRUCTURAL PLAN
OF LOWER GROUND FLOOR
AS PROPOSED
LEVELS 8.320m AND
6.520m**

martin shortt structural engineers Ltd.
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SCALE
1:50@A1, 1:100@A3

DATE
JANUARY '16

JOB NO
DRAWING NO.
S_B-04

REV.
A

DRAWN
M.M.

CHECKED
M.S.

APPROVED
P.B.