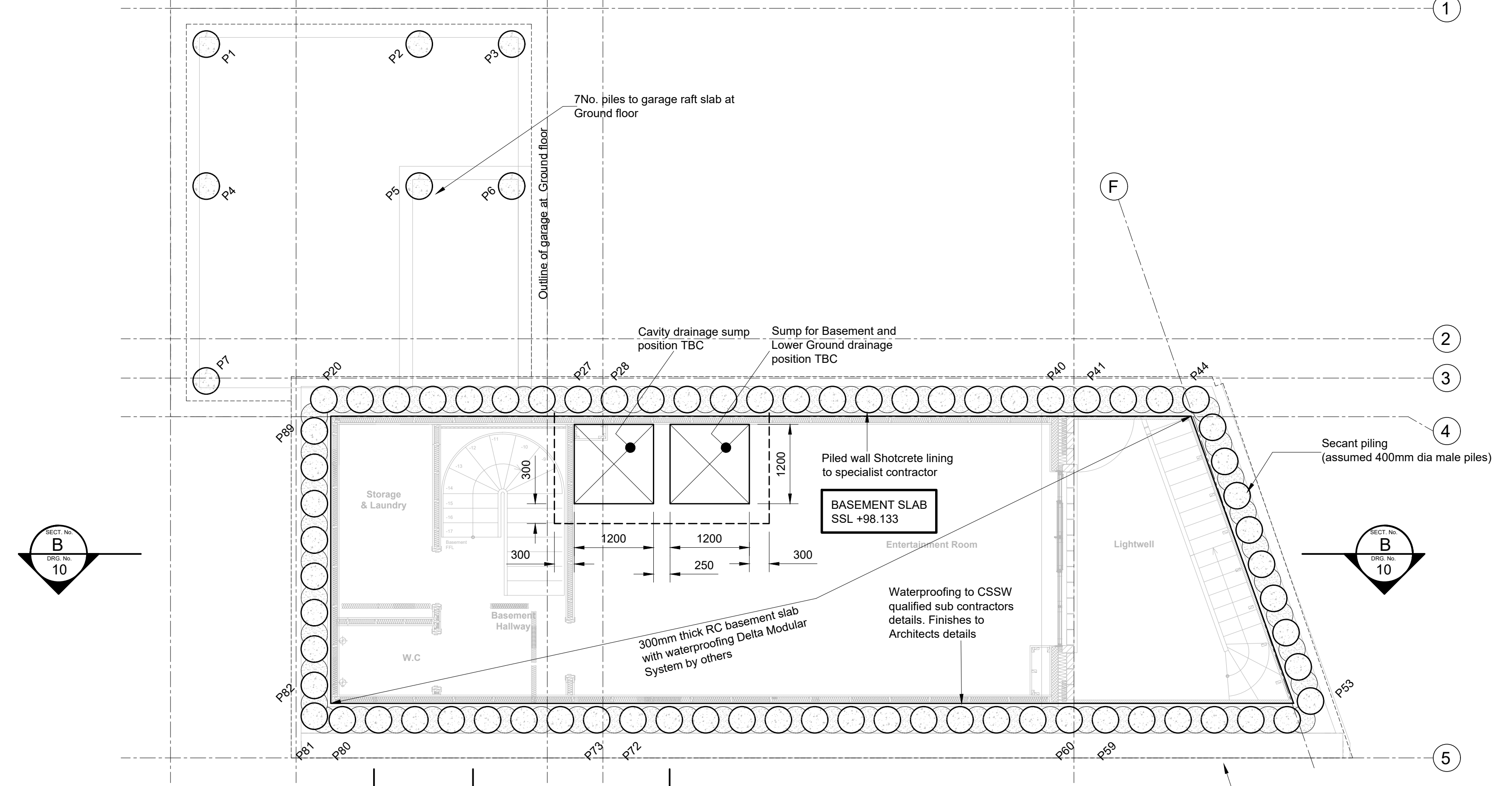
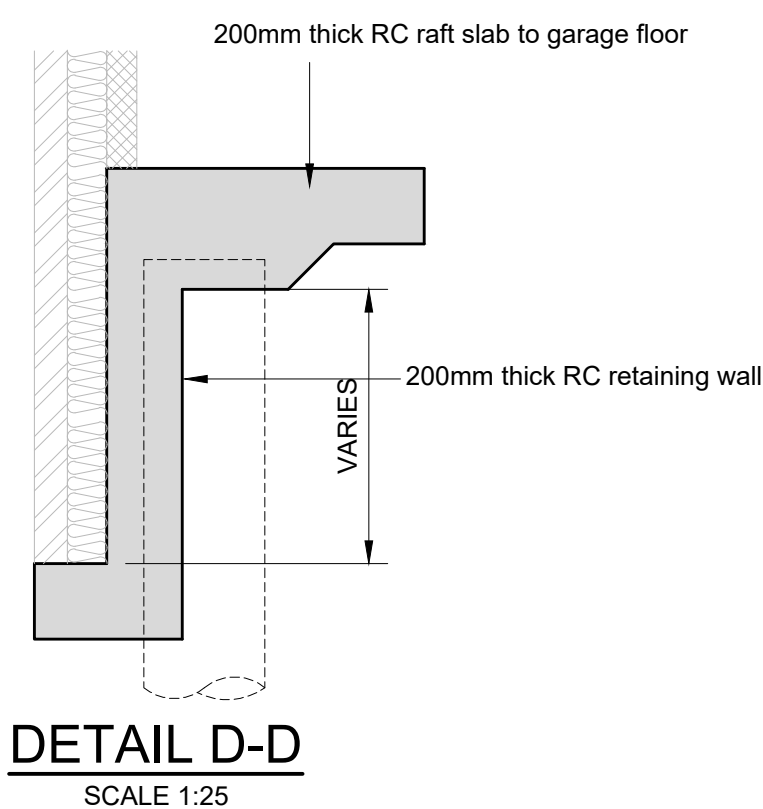


PROPOSED LOWER GROUND FLOOR PLAN
SCALE 1:50

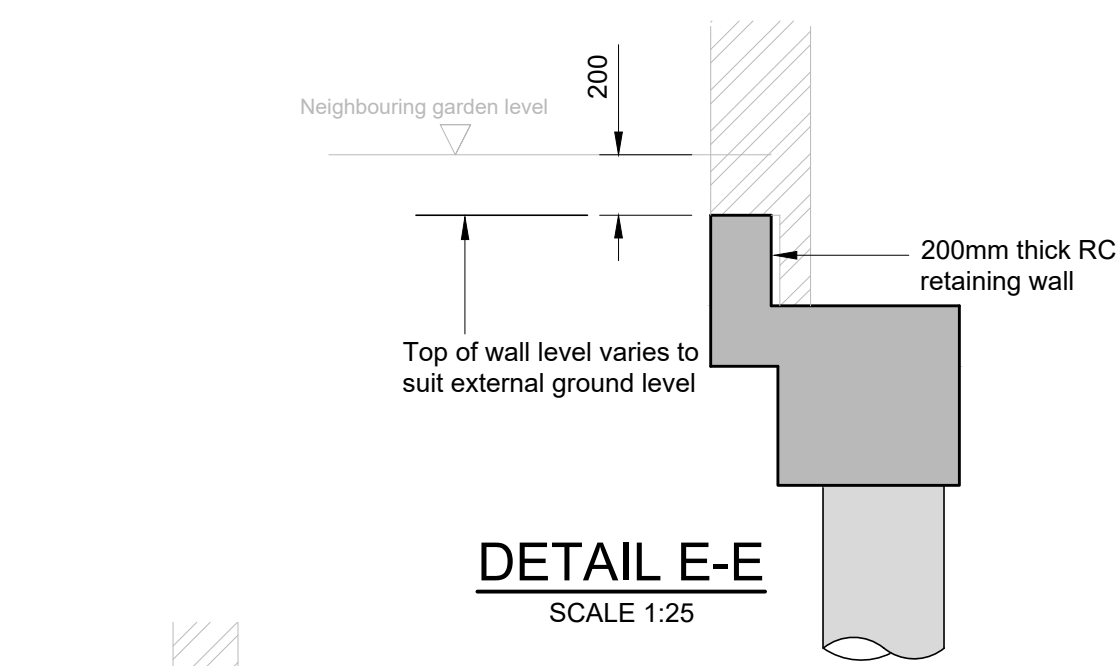


**PROPOSED BASEMENT PLAN
SHOWING FOUNDATIONS**
SCALE 1:50

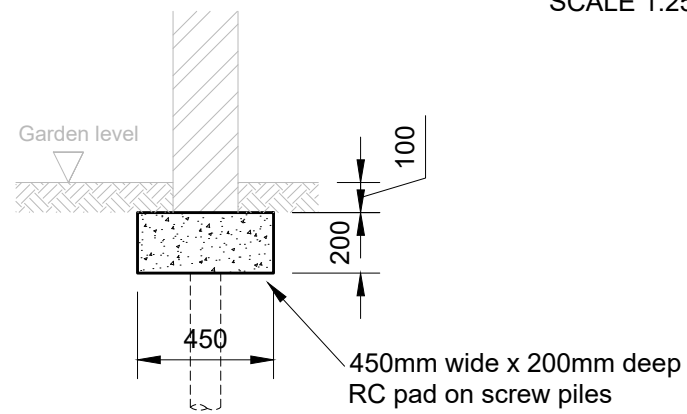
PILE LOAD TABLE				
PILE NO.	PILE SIZE	PILE CUT-OFF LEVELS	PILE LOADING IN PERMANENT CONDITION (unfactored)	
			VERTICAL (Tension)	VERTICAL (Compression)
BEARING/TENSION PILES:				
P1	400Ø	(TBC)		+80kN
P2	400Ø	(TBC)		+110kN
P3	400Ø	(TBC)		+80kN
P4	400Ø	(TBC)		+150kN
P5	400Ø	(TBC)		+150kN
P6	400Ø	(TBC)		+150kN
P7	400Ø	(TBC)		+80kN
CONTIGUOUS PILES:				
P20 - P27	400Ø	(TBC)	-150kN/m	+70kN/m
P28 - P40	400Ø	(TBC)	-90kN/m	+180kN/m
P41 - P59	400Ø	(TBC)	-170kN/m	+30kN/m
P60 - P72	400Ø	(TBC)	-110kN/m	+140kN/m
P73 - P81	400Ø	(TBC)	-140kN/m	+80kN/m
P82 - P89	400Ø	(TBC)	-60kN/m	+60kN/m
Note: Piles to be designed for 50 year design life.				



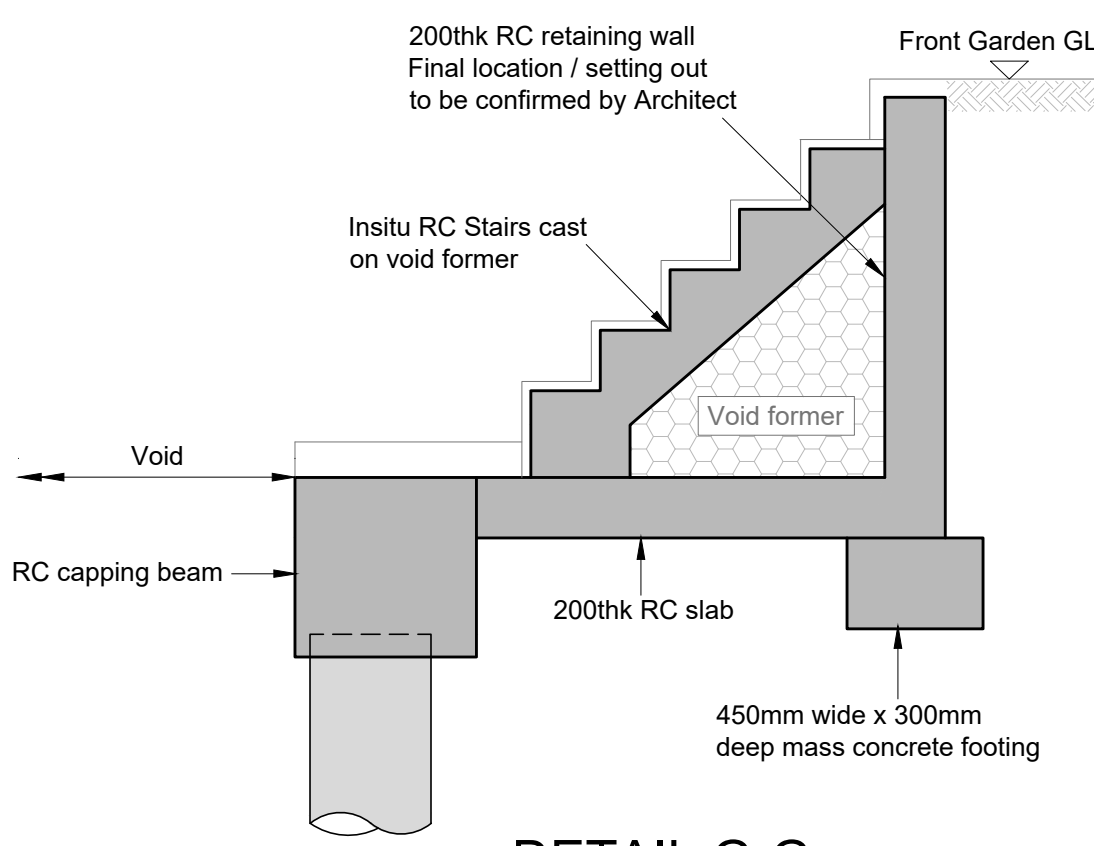
DETAIL D-D
SCALE 1:25



DETAIL E-E
SCALE 1:25



DETAIL F-F
SCALE 1:25



DETAIL G-G
SCALE 1:25

NOTES

- This drawing shall be read in conjunction with all relevant Architects & Engineers drawings and specifications.
- Do not scale any dimensions. All dimensions are in millimetres and to be checked on site.
- All details subject to site findings and all variations in assumed structure to be reported to MA Engineers
- All works to be carried out in accordance with the current Building Regulations and Codes of Practice and to be approved by the Building Inspector.
- All steelwork to be Grade S275 to BS4360.
All steelwork SHS posts to be Grade S355 to BS4360.
- Bolts to be Grade 8.8 to BS4190.
- All steelwork to be fire protected to achieve 60minutes fire protection (subject to Architect's confirmation).
- All steelwork connections to contractors details - minimum 10mm thick endplates and 4no. M12 grade 8.8 bolts.
- All timber to be Grade C24.
- Reinforced Concrete to be grade 32/40, sulphate class DS-1, AC-32
- All blockwork walls to be 100mm 7.3N/mm² compressive strength (unless noted otherwise).

LEGEND

- BBA Span of Milbank T155 spacing type A (Alternate - 398mm crs) Beam + Block concrete floor over
- BBW Span of Milbank T155 spacing type W (Wide - 510mm crs) Beam + Block concrete floor over
- FJ1 Span of 150x50 timber grade C24 floor joists over at 400mm crs
- FRJ Span of 175x50 timber grade C24 flat roof joists over at 400mm crs
- RR Span of 175x50 timber grade C24 pitched roof rafters over at 400mm crs
- New Steel Beam over
- L1 New Catnic GC130/100 Lintel over
- L2 New Catnic GX130/100 Lintel over (or 203x102UB23 + 12mm M.S plate to bottom flange)
- WP2/3 Ancon Windpost See drawing P4534-11 for details
- DJ Doubled-up 175x50 timber grade C24 flat roof joists bolted together with timber toothed connectors at 300mm crs staggered
- PS1 New 330x100x225mm dp mass concrete padstone
- PS2 New 450x100x225mm dp mass concrete padstone
- PS3 New 550x100x225mm dp mass concrete padstone
- R9 New Naylor R9 precast prestressed concrete lintel with minimum 150mm bearing each end

C1	08.03.2022	ISSUED FOR CONSTRUCTION	SP
Rev.	Date	Description	By

CONSTRUCTION

Client
TIM DAVID PROPERTIES LTD.

Project Title
**GARAGES AT REAR OF
26 NEW END SQUARE**

Drawing Title
**BASEMENT AND
LOWER GROUND FLOOR GA**

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Drawn RC	JAN 2022	Size A1 A3
Checked IH	JAN 2022	
Project No.	Drawing No.	Rev.
P4534	01	C1