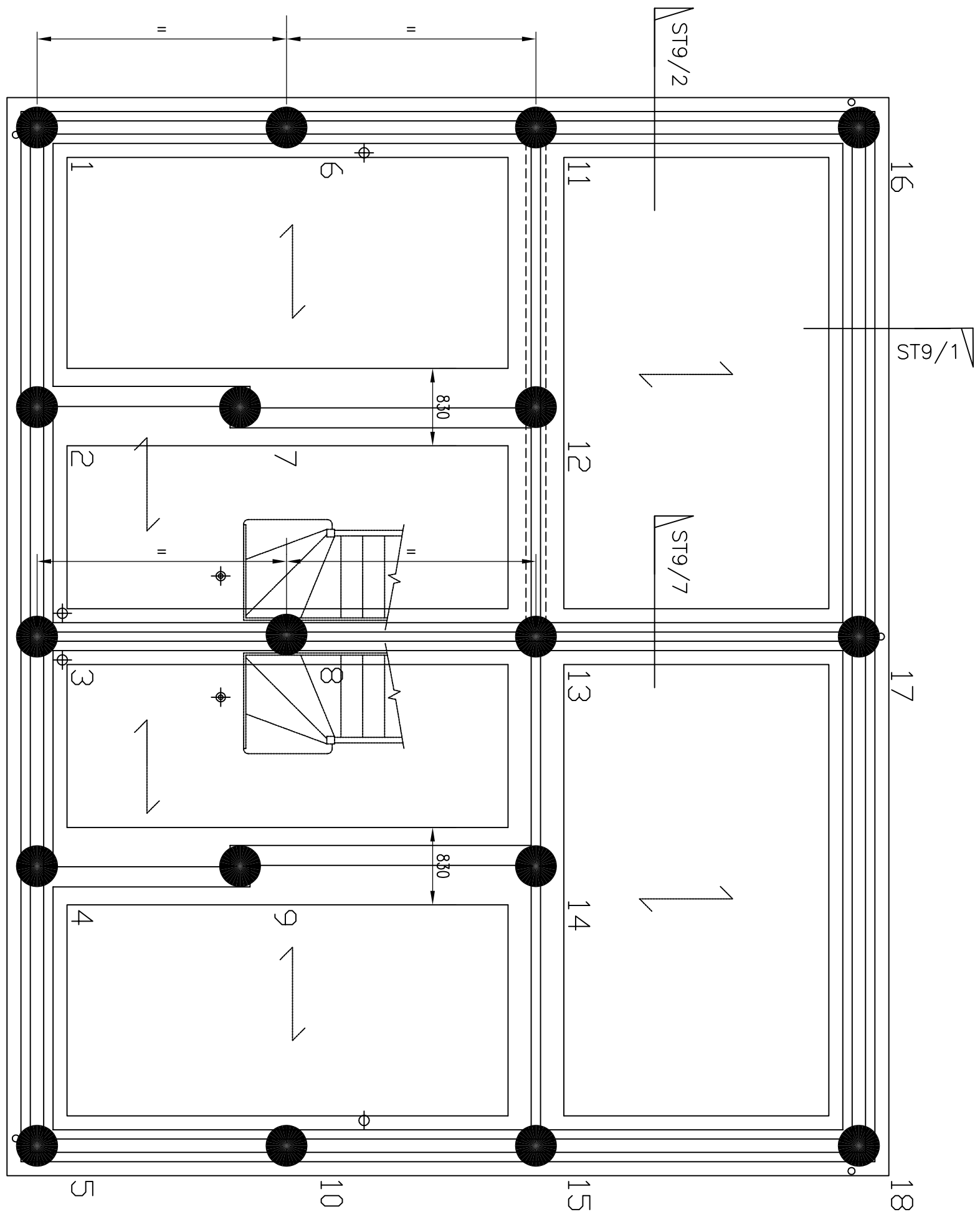
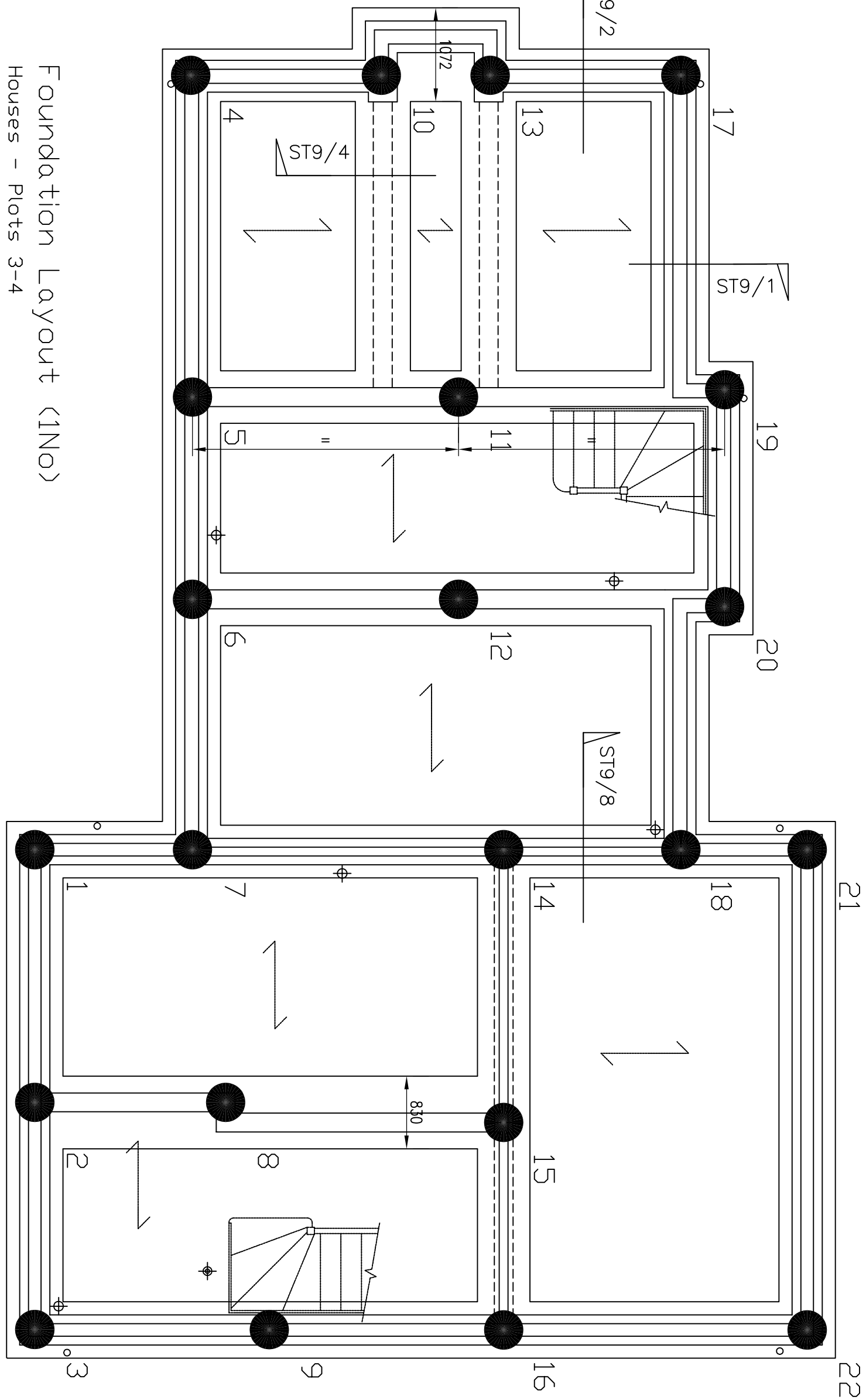
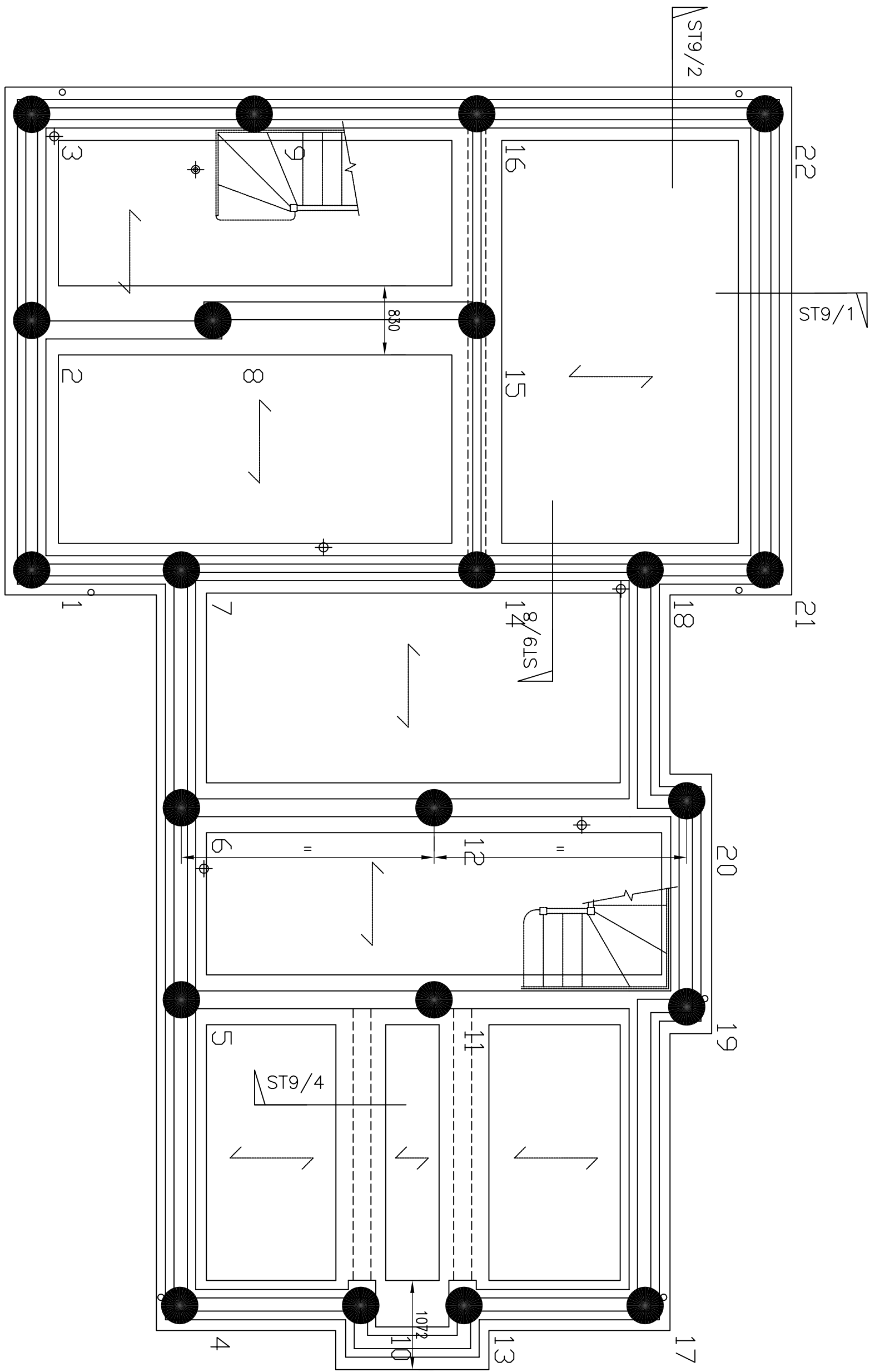




Foundation Layouts (7No)
Houses - Plots 1-2, 7-8, 9-10, 43-44, 45-46, 47-48 & 51-52

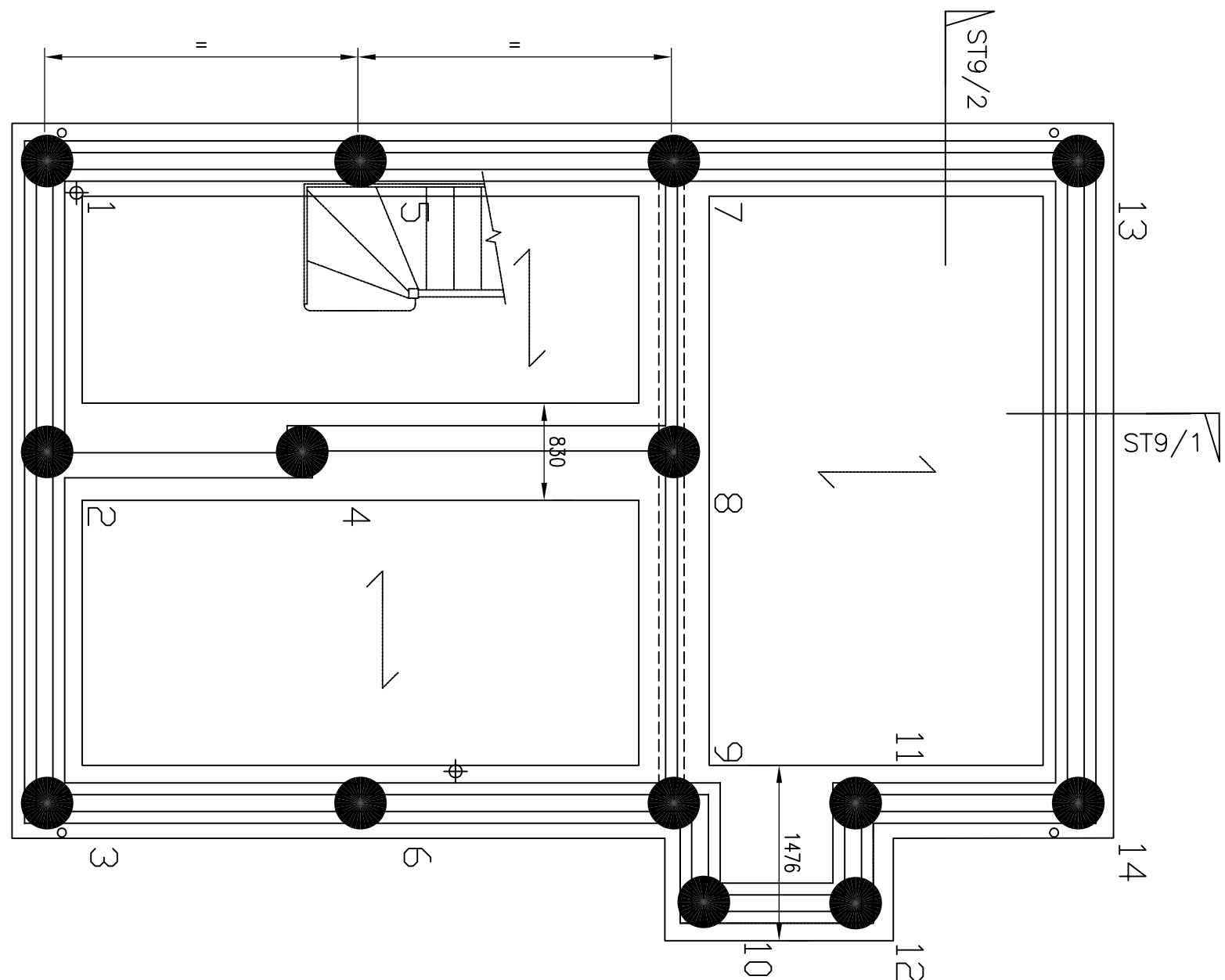


Foundation Layout (1No)
Houses - Plots 3-4



Foundation Layout (1No)

Houses - Plots 5-6



Foundation Layout (1No)

House - Plot 11

GROUND FLOOR NOTES:
G1. ALL BLOCKWORK BELOW GROUND FLOOR LEVEL TO BE 10N/m² COMPRESSIVE STRENGTH DENSE CONCRETE BLOCKS [MORTAR DESIGNATION (ii) UNO.].
G2. GROUND FLOOR LOADINGS:-
FLOOR SMT (ASSUMED) = 2.5 kN/m²
FLOOR FINISHES = 1.9kN/m²
STUD PARTITIONS = 1.0 kN/m OR 1.0 kN/m²
IMPOSED = 1.5 kN/m² (GARAGE 2.5kN/m²)

KEY:
----- INDICATES 215 THICK STEEPER WALLS
[Cross-hatched] INDICATES BLOCKWORK INTERNAL WALL
[Arrow] INDICATES SPAN DIRECTION OF 155 DP PCC BEAM AND BLOCK FLOOR SYSTEM.
[Double arrow] INDICATES SPAN DIRECTION OF 150MM THICK RC/SCADE C40 DS-3/AC-3 IN-SITU CONCRETE SLAB WITH A393 WESH TOP & BTM 40mm COVER

FLOOR BEAM CONDITION TYPES
CONDITION TYPE 1:
510 CTRS. 285 CTRS. 440x215x100 BLOCKS.
CONDITION TYPE 4:
285 CTRS. 440x215x100 BLOCKS.

TOC 675mm BELOW FFL

REFER TO MAKE DRAWINGS AND EXTERNAL WORKS DRAWINGS FOR LOCATION OF SERVICE ENTRY POINTS.

ALL GROUND BEAMS ARE 600 WIDE x 500 DEEP UNLESS NOTED OTHERWISE

GROUND BEAM REINFORCEMENT
ESTIMATE 175 kg/m³

REFER TO HDL STANDARD
Drg. Nos. ST 2 & 9

NOTES:

1. THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED WITHOUT APPROVAL.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWINGS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF BOTH PARTIES IMMEDIATELY.
3. ANY DIMENSIONS/LEVELS INDICATED 'rel' REFER TO ASSUMED/EXISTING DIMENSIONS WHICH ARE TO BE SITE CHECKED PRIOR TO THE COMMENCEMENT OF ANY WORK.

PILING NOTES

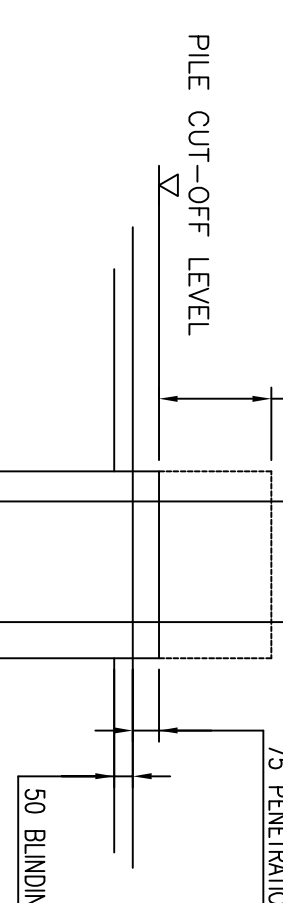
- P1. ALL PILES TO BE DESIGNED, CONSTRUCTED AND TESTED BY THE PILING SUBCONTRACTOR IN ACCORDANCE WITH THE PARTICULAR SPECIFICATION FOR PILING WORKS.
- P2. PILE DIAMETERS SHOWN ARE 450mm DIAMETER AND SHOULD NOT BE ALTERED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER AS PILES HAVE BEEN SET OUT AND PILE CAPS DETAILED ON THE BASIS OF THE PILE DIAMETERS INDICATED.
- P3. CONCRETE FOR THE PILES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS FOR CLASS DS-3/AC-3 CONDITIONS OF EXPOSURE AS CLASSIFIED IN BRE SPECIAL DIGEST 1.
- P4. SUFFICIENT REINFORCEMENT LENGTH ABOVE PILE CUT OFF LEVEL TO BE PROVIDED TO ENSURE SUFFICIENT CONTINUITY OF LOAD PATH INTO THE PILE CAPS FOR ALL LOAD CASES.
- P5. ALL SETTING OUT DIMENSIONS ARE TO CENTRE LINE OF PILES UNLESS NOTED OTHERWISE.
- P6. THE LOAD CAPACITIES SHOWN ARE UNFACTORED WORKING LOADS AND DO NOT INCLUDE FOR DOWN DRAG DUE TO NEGATIVE SKIN FRICTION OR THE SELF WEIGHT OF THE PILE. THE PILING SUBCONTRACTOR SHALL MAKE DUE ALLOWANCE WITHIN HIS DESIGN FOR THE SELF WEIGHT OF THE PILE AND THE EFFECTS OF NEGATIVE SKIN FRICTION.
- P7. ALL PILES SHALL BE DESIGNED TO RESIST A NOMINAL MOMENT EQUAL TO THE PILE CAPACITY MULTIPLIED BY AN ECCENTRICITY OF 75mm.
- P8. PILES TO PENETRATE 75mm INTO UNDERSIDE OF GROUND BEAM.

CONCRETE NOTES:

- B1. ALL CONCRETE FOR SUBSTRUCTURE TO BE GRADE RC40 IN ACCORDANCE WITH CLASS DS-3/AC-3 TO BRE SPECIAL DIGEST 1.
- B2. ALL STRUCTURAL CONCRETE TO BE CAST AGAINST FORMWORK OR ON 50mm BUNDLING CONCRETE.
- B3. FORMED SURFACES - THE IRREGULARITIES IN THE FINISH SHALL BE NO GREATER THAN THOSE OBTAINED FROM THE USE OF THE WROUGHT THICKNESS SQUARE EDGE BOARDS ARRANGED IN A UNIFORM PATTERN. THE FINISH IS INTENDED TO BE LEFT AS STRUCK BUT IMPERFECTIONS SUCH AS FINS AND SPALLS OR DISCOLORATION SHALL BE MADE GOOD TO THE APPROVAL OF THE ENGINEER.
- B4. UNFORMED SURFACES - AFTER THE CONCRETE HAS HARDENED SUFFICIENTLY THE UNFORMED SURFACE SHALL BE FLOATED BY HAND TO PRODUCE A UNIFORM SURFACE FREE FROM SORED MARKS.

REINFORCEMENT PENETRATION INTO PILE CAP SHALL BE A MINIMUM OF 600mm PLUS 200mm BOB EXCEPT AT TENSION PILES.

PILES TO BE CAST A MIN. OF 50mm ABOVE CUT OFF LEVEL AND BROKEN BACK TO SOIT.



PILE REINFORCEMENT PENETRATION DETAIL.

N.T.S.

PILE CUT-OFF LEVEL = 1.1m BELOW FFL

PILE LEGEND		No. OFF
⊕ PILE (450 DIA)		184
TOTAL		184

CONSTRUCTION

C1 CONSTRUCTION		HDU/09.14	HDU/09.14	HDU/09.14
P1	PRELIMINARY	HDU/06.14	HDU/06.14	HDU/06.14
Version		Author	Drawn	App'd
ORIGINAL DRAWING SIZE - A1		and date	and date	and date
CAD REF.		X-REFS :		

Client		FORERMAN HOUSES LTD		
Project		RANEVLASH ROAD, HANANT		
Drawing		SUBSTRUCTURE/GROUND FLOOR LAYOUTS		
Plots		1-2, 3-4, 5-6, 7-8, 9-10, 11, 43-44, 45-46, 47-48 & 51-52		
Purpose		Drawn	HDL	Scale
CONSTRUCTION		1:50	⊕ A1	
Designed		HAMILL DAVIES LIMITED		
Consulting Civil		Structural Engineers		
Drawing Office		SWANMORE		
Telephone		01489 893 596		