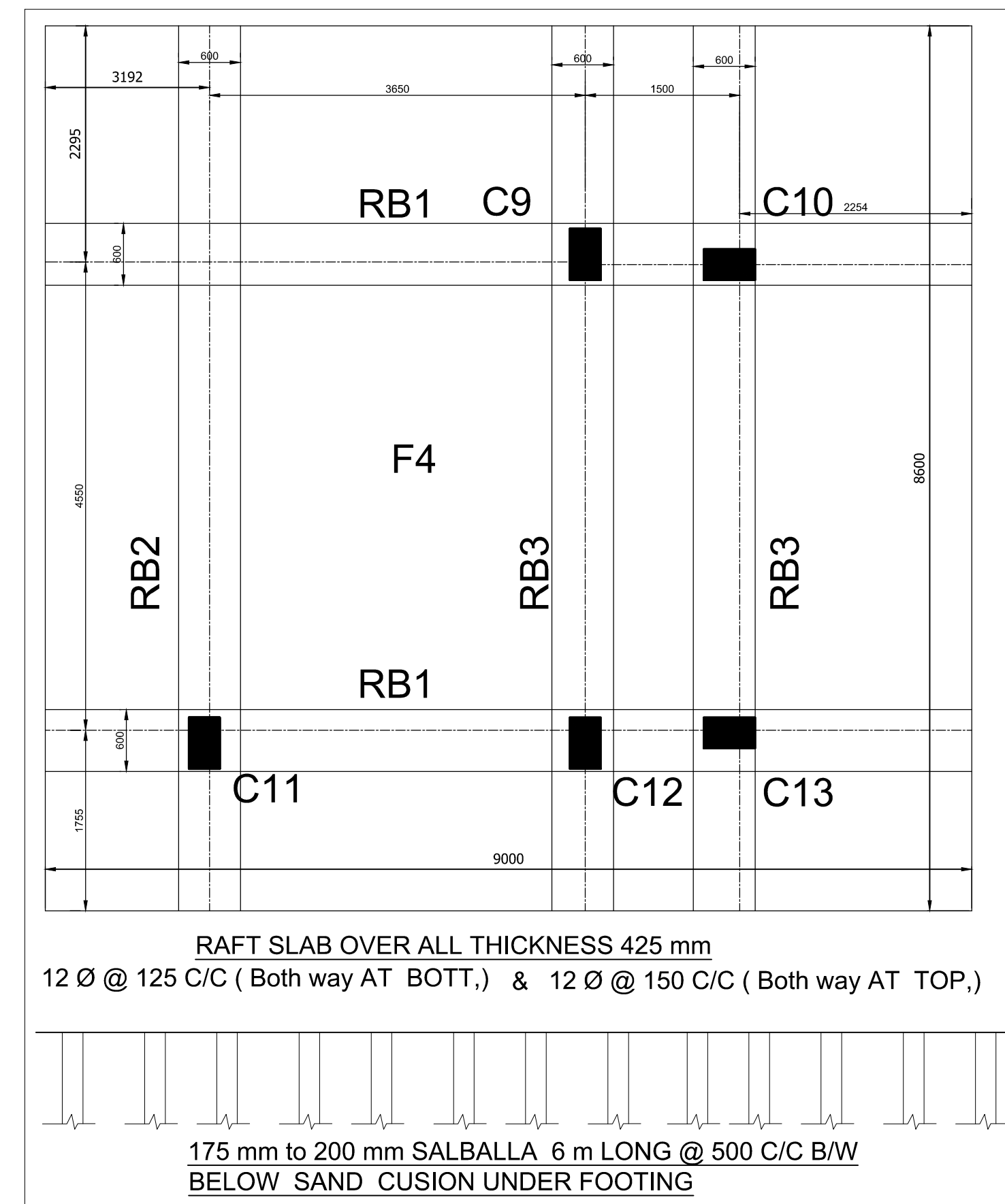
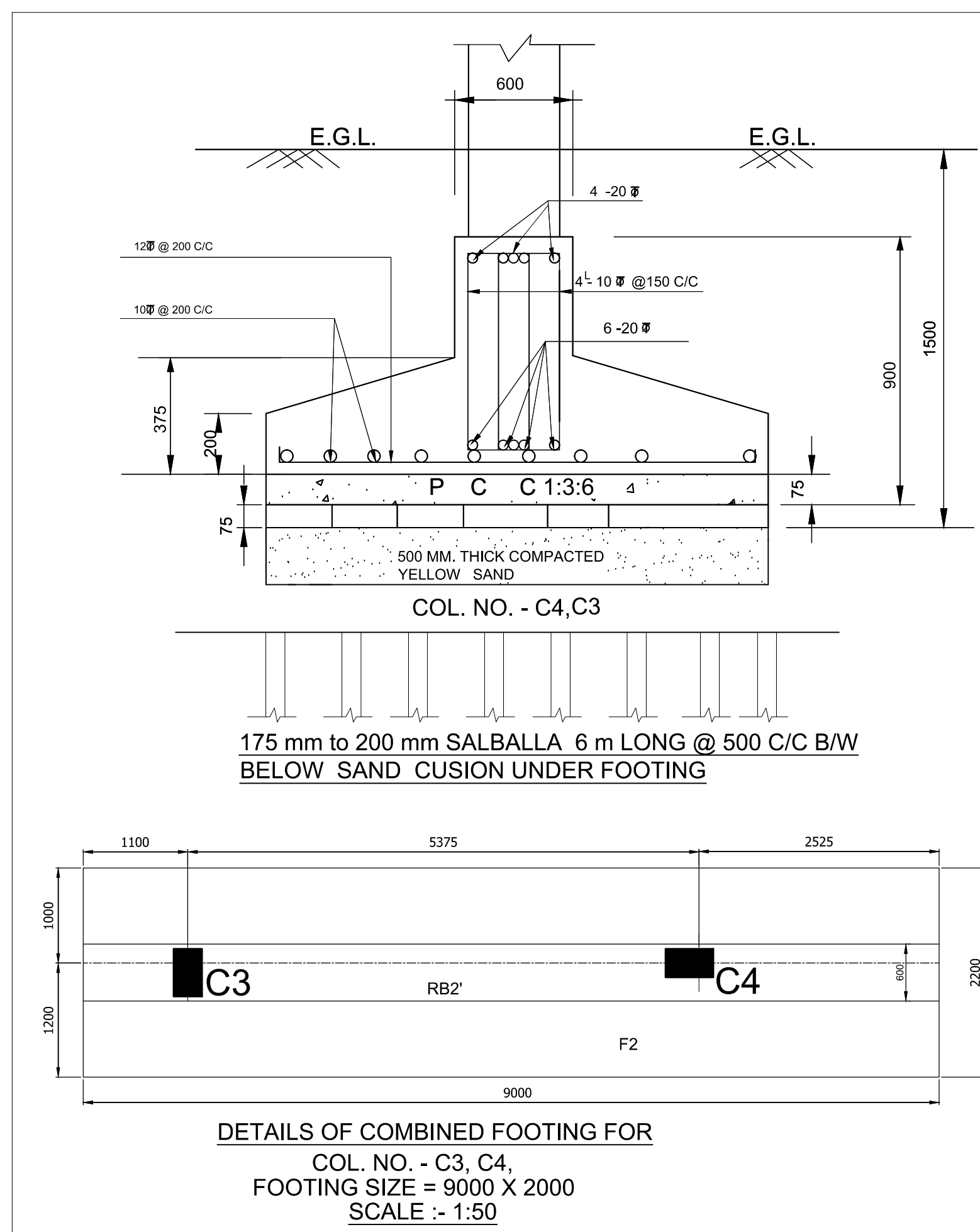
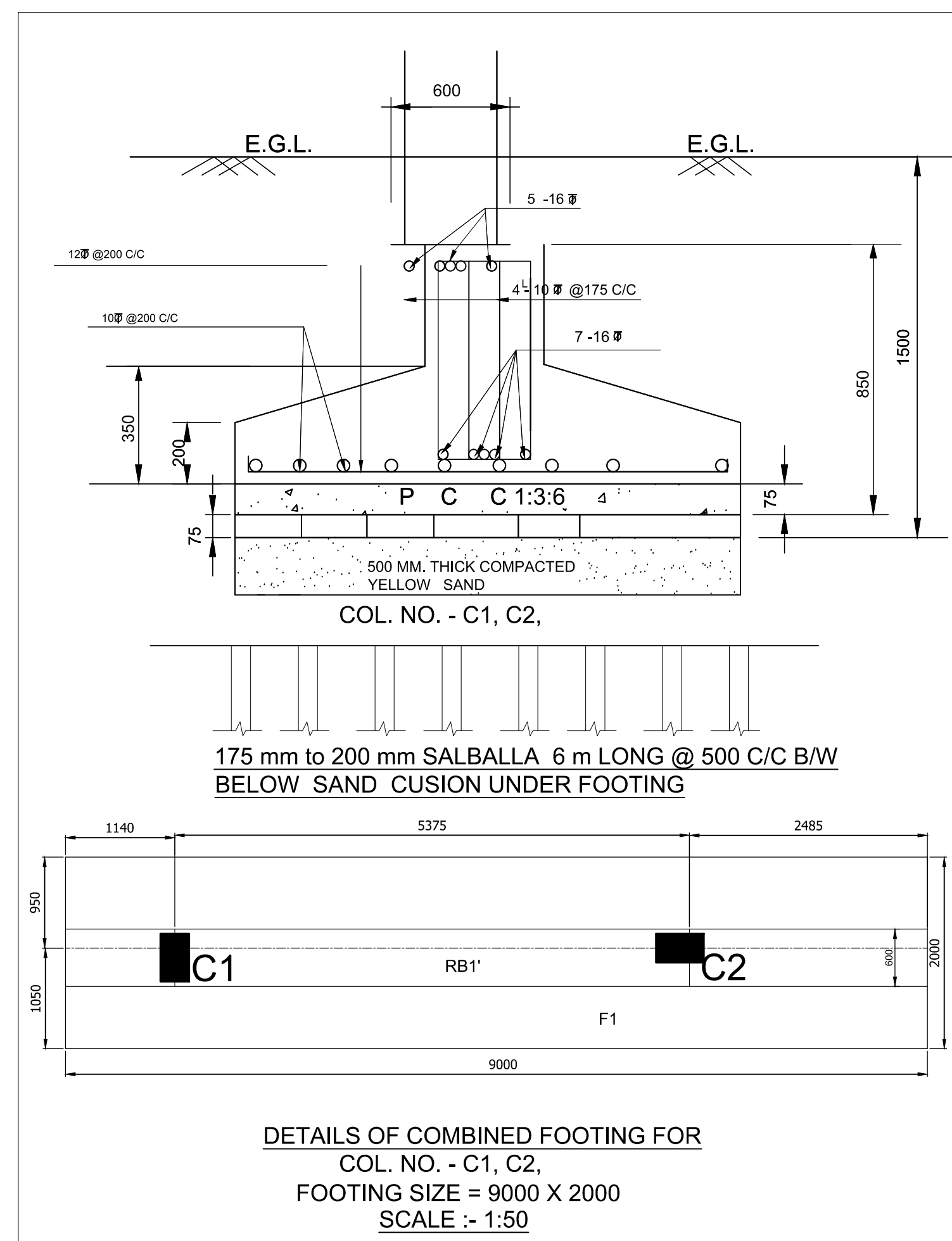




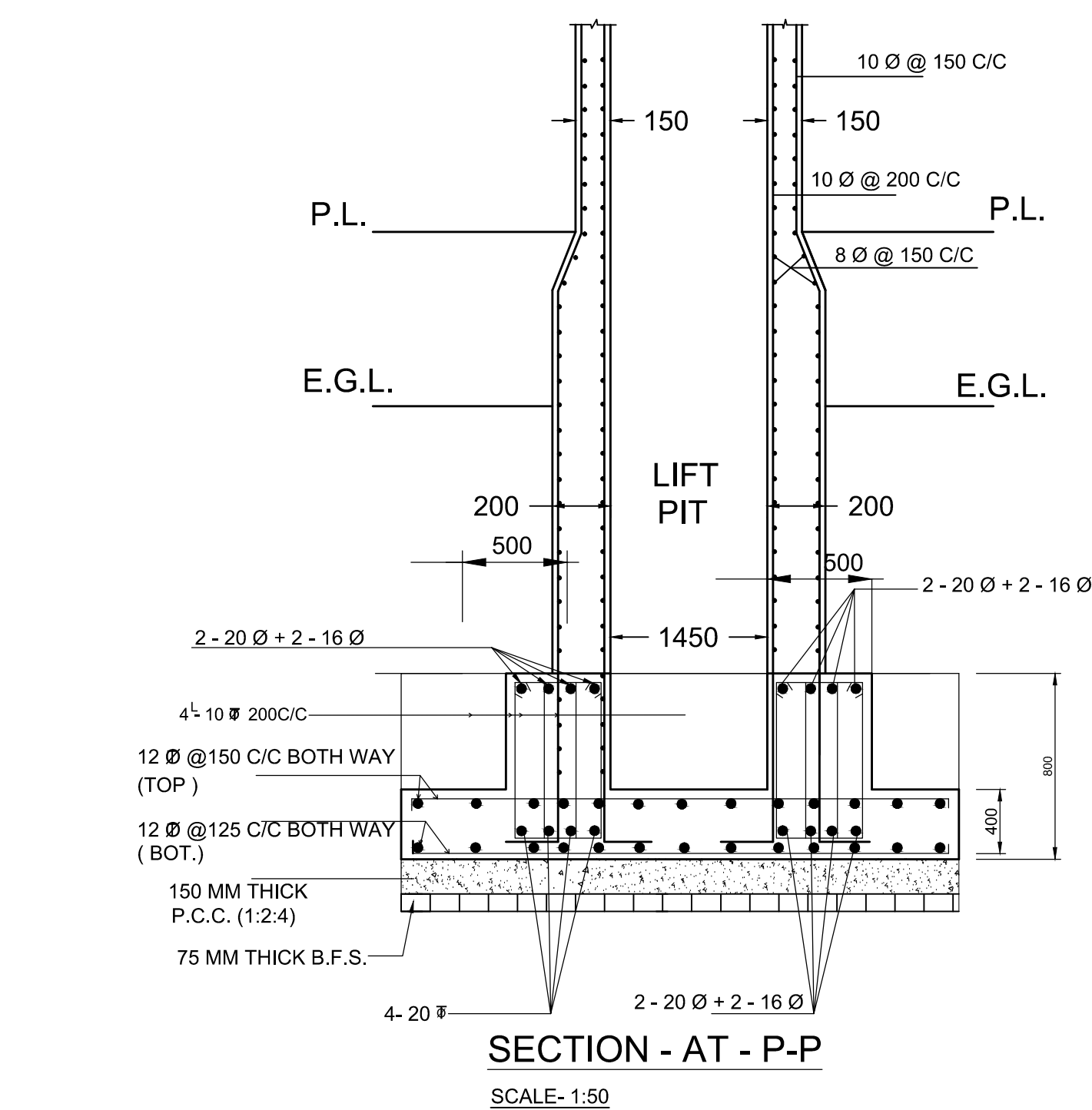
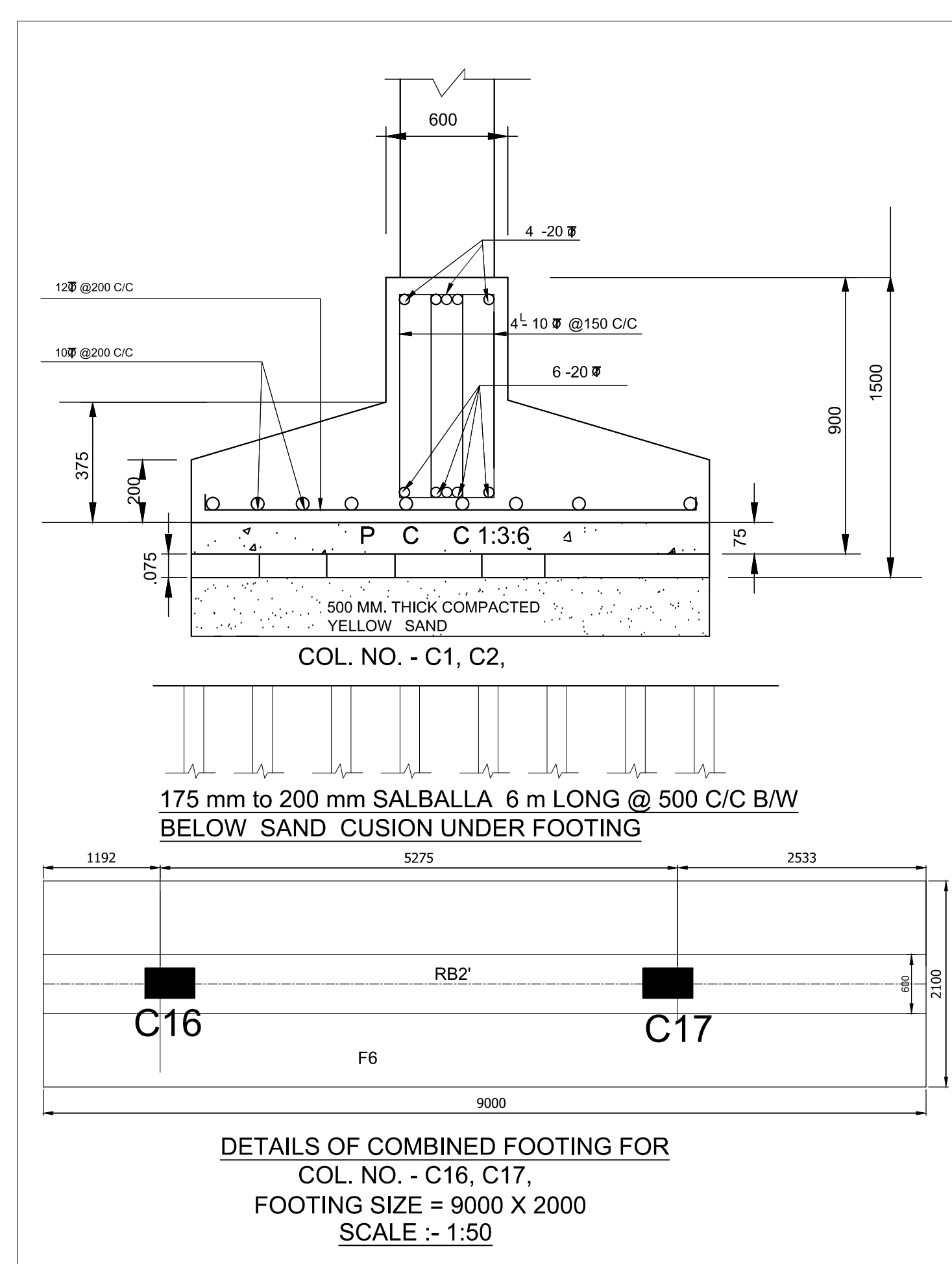
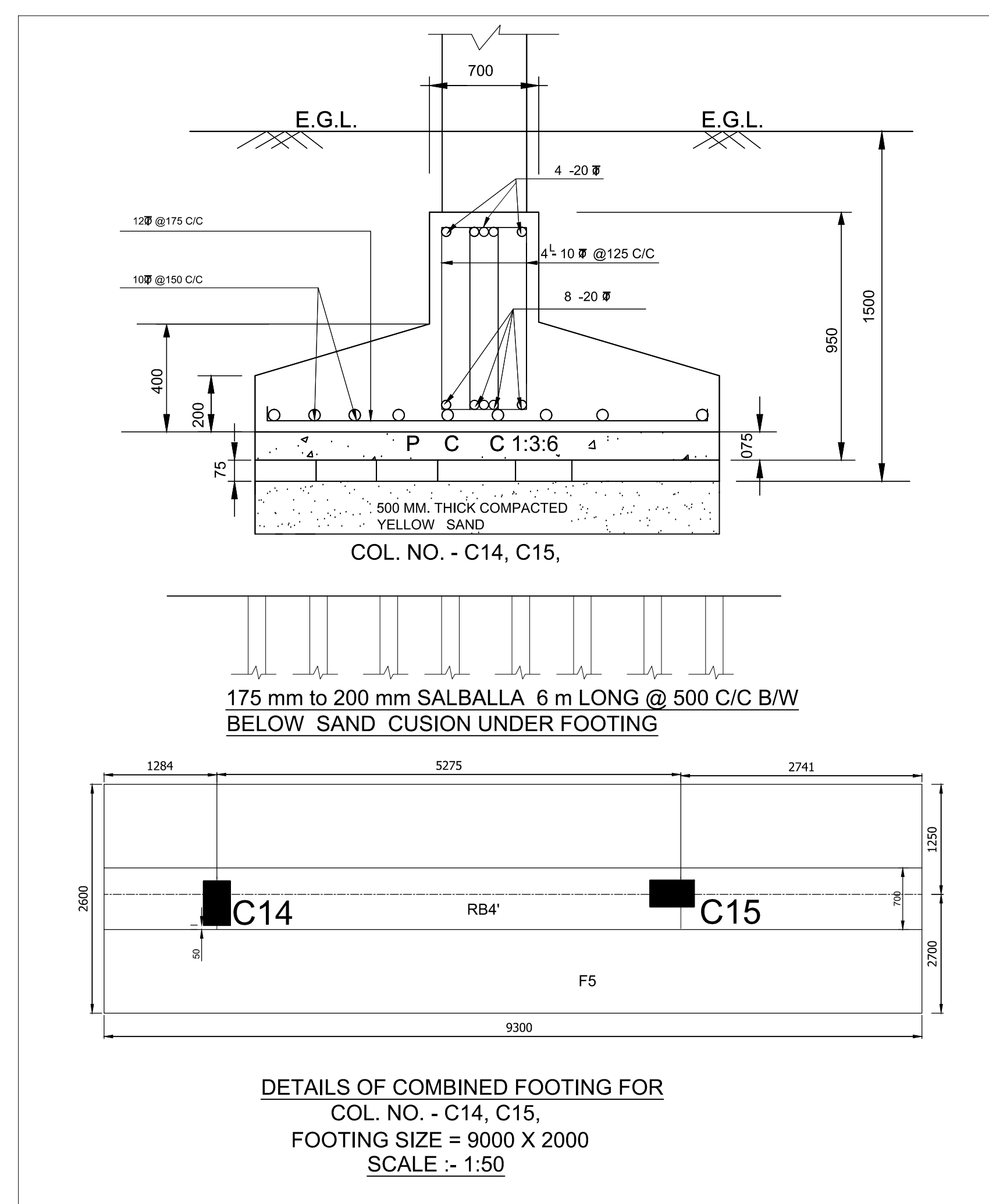
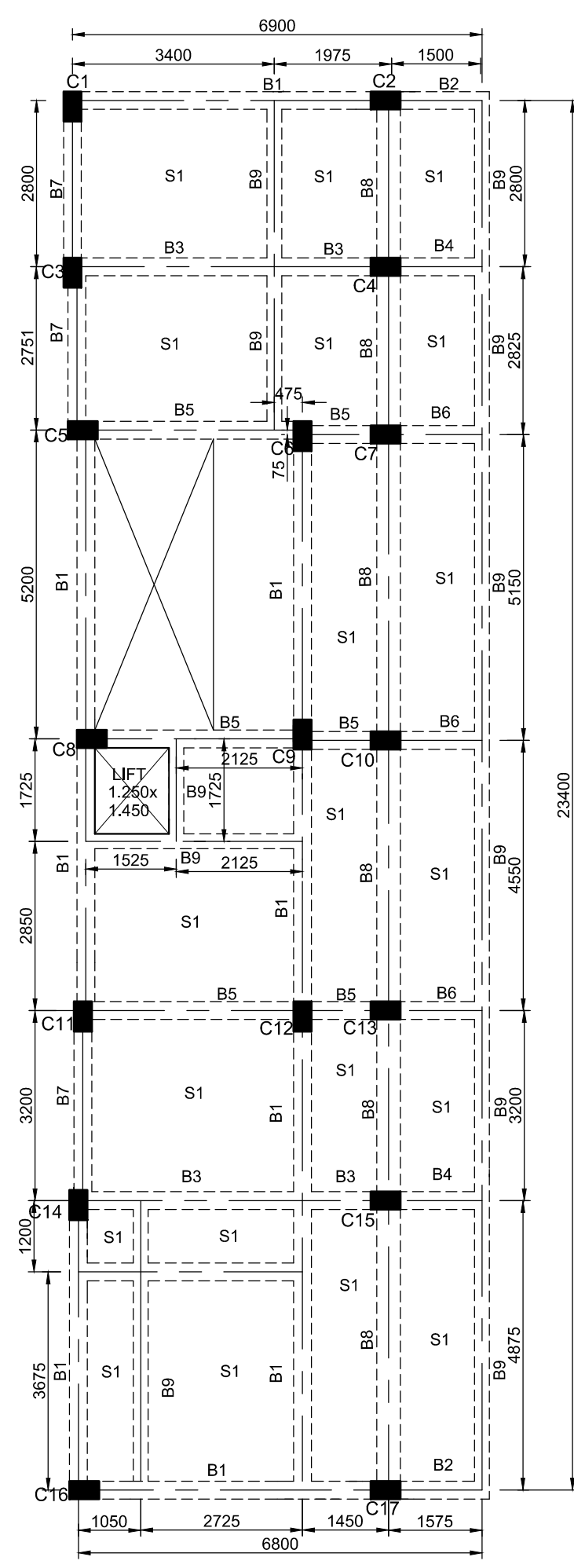
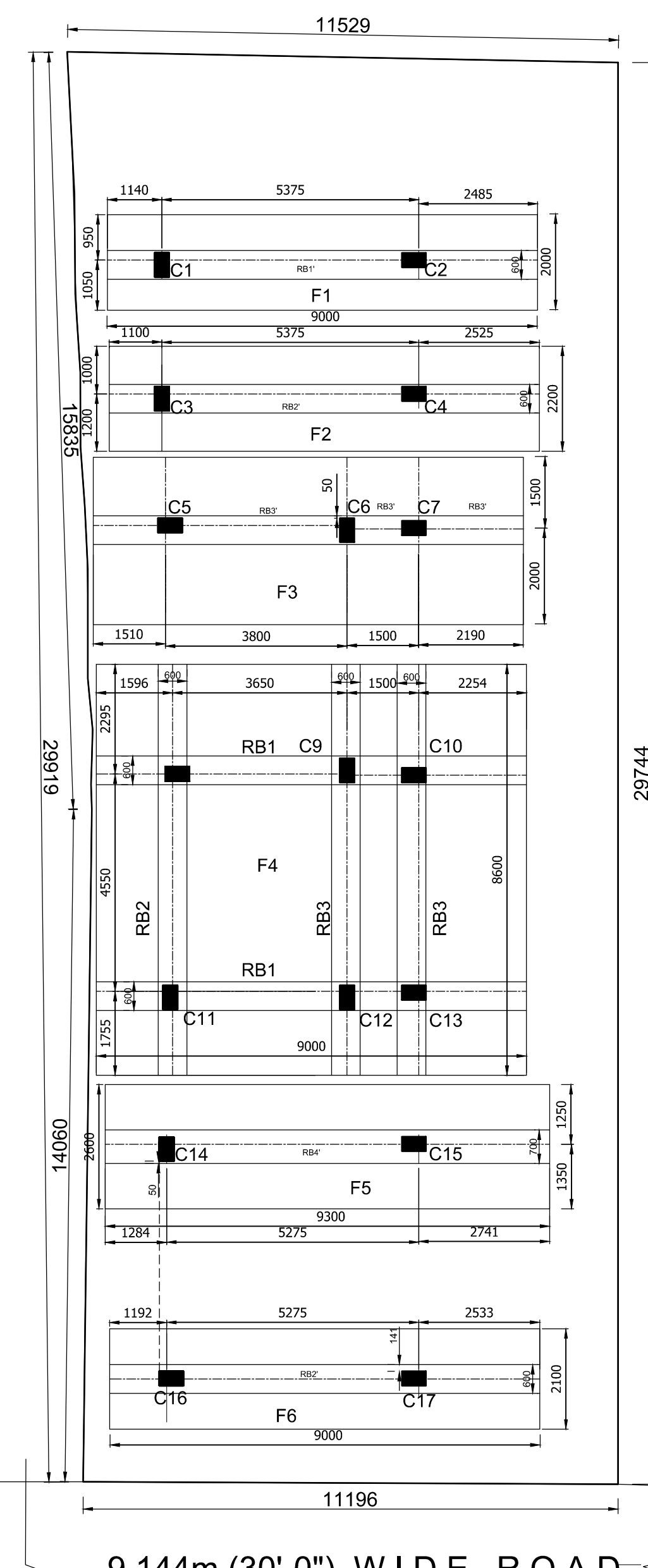
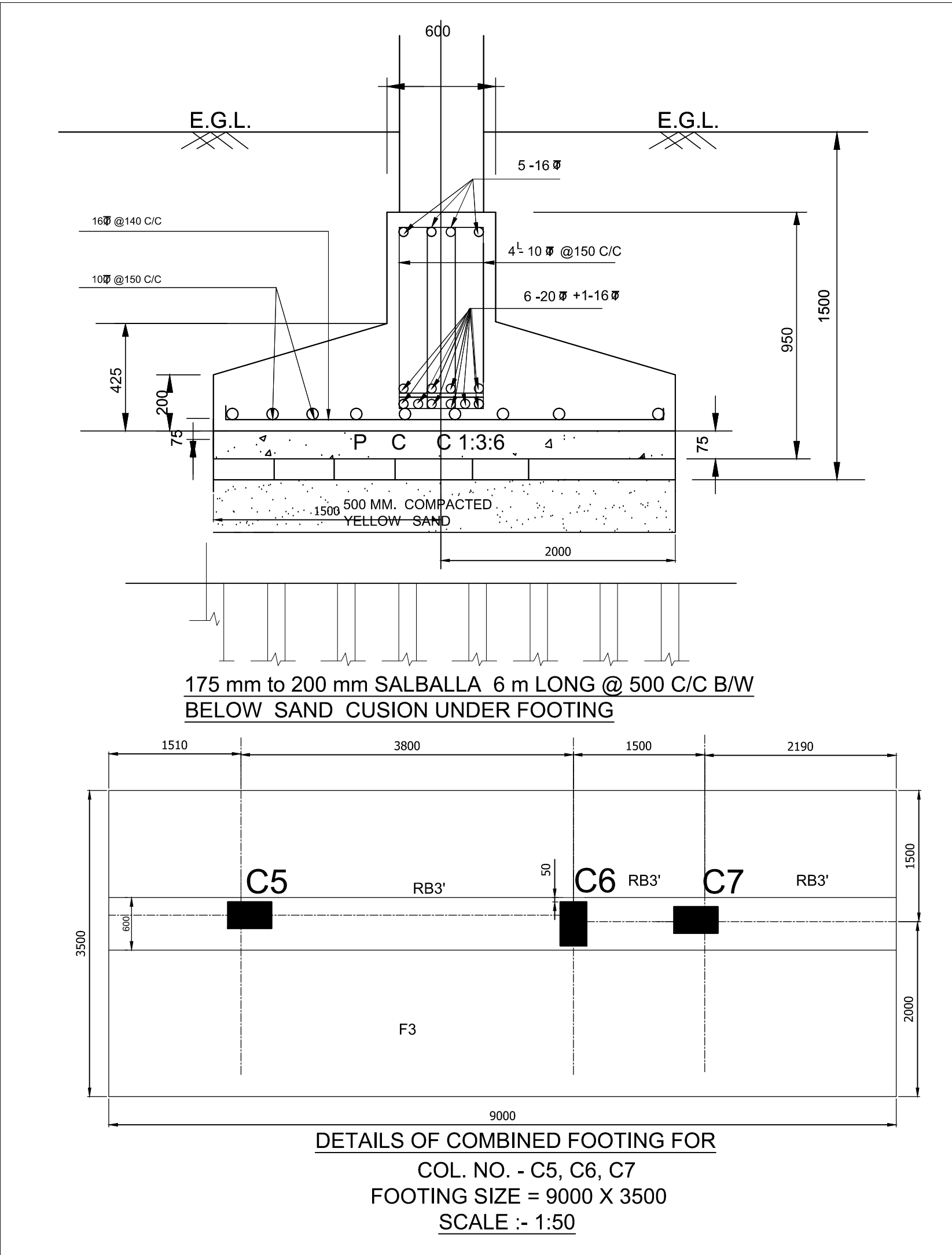
SCHEDULE OF BEAM						
BEAM MKD.	BEAM SIZE	LONGITUDINAL REINFORCEMENT				STIRRUP
		AT SUPPORT		AT MID SPAN		
		TOP	BOTTOM	TOP	BOTTOM	
B1	300X500	4 - 20 Ø	2 - 20 Ø	2 - 20 Ø	4 - 20 Ø	2L8Ø@150C/C
B2	300X500	4 - 20 Ø	2 - 20 Ø			2L8Ø@150C/C
B3	300X500	6 - 20 Ø	3 - 20 Ø	3 - 20 Ø	6 - 20 Ø	2L8Ø@100C/C
B4	300X500	6 - 20 Ø	3 - 20 Ø			2L8Ø@100C/C
B5	300X500	4 - 20 Ø	2 - 20 Ø	2 - 20 Ø	4 - 20 Ø	2L8Ø@150C/C
B6	300X500	4 - 20 Ø +2-16 Ø	2 - 20 Ø			2L8Ø@150C/C
B7	300X400	4 - 16 Ø	2 - 16 Ø	2 - 16 Ø	4 - 16 Ø	2L8Ø@150C/C
B8	400X250	4 - 16 Ø	4 - 16 Ø	4 - 16 Ø	4 - 16 Ø	2L8Ø@150C/C
B9	250X400	4 - 16 Ø	+2-16 Ø	+2-16 Ø	4 - 16 Ø	2L8Ø@150C/C

BEAM MKD.	BEAM SIZE	LONGITUDINAL REINFORCEMENT				STIRRUP
		AT SUPPORT		AT MID SPAN		
		TOP	BOTTOM	TOP	BOTTOM	
TB	300 x 400	5-16 Ø	3-16 Ø	3-16 Ø	5-16 Ø	2L80@150C/C

COL. GROUP	COL. MKD.	COL. SIZE	COL. STEEL	LATERAL TIES
1	C1, C2, C3, C14,C16,	500 X 300	10 - 16Ø	4L 8Ø@125C/C
2	C4, C11, C17,	500 X 300	10 -20Ø	4L 8Ø@125C/C
3	C5, C6, C7, C8, C9, C10, C12, C13, C15,	500 X 300	12 -20Ø	4L 8Ø@125C/C

DETAILS OF REINFORCEMENT FOR RAFT FOOTING BEAM AND COMBIND BEAM SCHEDULE							
S. NO	BEAM NO.	BEAM SIZE	AT SUPPORT		AT MID SPAN		STIRRUPS
			TOP	BOTTOM	TOP	BOTTOM	
1	RB1	600 x 850	4 - 20 Ø	5 - 20 Ø			10 Ø (4L) @ 175 C/C
2	RB2	600 x 850	5 - 20 Ø + 1 - 16 Ø	5 - 20 Ø			10 Ø (2L) @ 175 C/C
3	RB3	600 x 850	4 - 20 Ø + 1 - 16 Ø	4 - 20 Ø + 1 - 16 Ø			10 Ø (4L) @ 175 C/C
4	RB1	600 x 850	5 - 16 Ø	7 - 16 Ø	5 - 16 Ø	7 - 16 Ø	10 Ø (4L) @ 175 C/C
5	RB2'	600 x 900	4 - 20 Ø	6 - 20 Ø	4 - 20 Ø	6 - 20 Ø	10 Ø (4L) @ 150 C/C
6	RB3'	600 x 950	5 - 16 Ø	6 - 20 Ø + 1 - 16 Ø	5 - 16 Ø	6 - 20 Ø + 1 - 16 Ø	10 Ø (4L) @ 150 C/C
7	RB4'	700 x 950	4 - 20 Ø	8 - 20 Ø	4 - 20 Ø	8 - 20 Ø	10 Ø (4L) @ 125 C/C

SCHEDULE OF SLAB			
SLAB MKD.	SLAB THICKNESS	STEEL	
		AT SUPPORT	AT SPAN
S1	115	8 @ 125 C/C	8 @ 125 C/C
S2	150 (STAR)	10 @ 75 C/C	10 @ 125 C/C



NOTES / SPECIFICATIONS

1. ALL DIMENSIONS ARE IN mm.
2. GRADE OF CONCRETE M20
3. GRADE OF STEEL Fe 415
4. CLEAR COVER TO CONCRETE
 - i) FOR FOUNDATION SLAB = 40 mm.
 - ii) FOR FOUNDATION BEAM = 50 mm.
 - iii) FOR ROOF BEAM = 25 mm.
 - iv) FOR SLAB = 15 mm.
 - v) FOR COLUMN = 40 mm.

PROPOSED G+iv STORIED RESIDENTIAL BUILDING
AT HOLDING NO - 658, PANCHPOTA, MOUZA-PANCHPOTA,
WARD NO.-3, R.S. DAG NO.-169,L.R. DAG.NO.-184,
R.S KHATIAN NO.-430 ,L.R.KHATIAN NO.-5355,
J.L NO.-42, P.S.- NARENDRAPUR, DIST.-SOUTH 24 PARGANAS,
UNDER- RAJPUR SONARPUR MUNICIPALITY.

DECLARATION OF STRUCTURAL ENGINEER.

THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE FACTORS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

SOIL TESTING HAS BEEN DONE BY MR. SHOMENATH DAS OF M/S NATH CONSULTANTS , 60, NORTH GARAGACHA, GARIA, P. O. - PANCHASAYAR, KOLKATA - 700 094

THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATIONS

MR. Shomenath Das
Name of E. S. E.

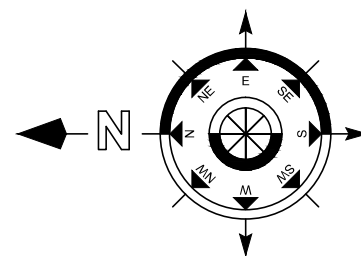
MR.Shomenath Das
Name of GEO-TECHNICAL ENGINEER

AR. DURGA NASKAR DAS (CA/2009/43983)
NAME OF THE ARCHITECT

SURAKHA CONSTRUCTION
PARTNER
MR. SURATH SARDAR
MR. SAMIR SARDAR

NAME OF THE OWNERS

SCALE:-
1:50
1:100
1:400
1:4000



CONSULTANTS

**GRAPHIC ARCH SERVICES
PVT. LTD.**

ARCHITECTS & ENGINEERS
C/2 , SREENAGAR MAIN ROAD
GARIA STATION, KOL-94. PH-9830229750

OFFICE USE