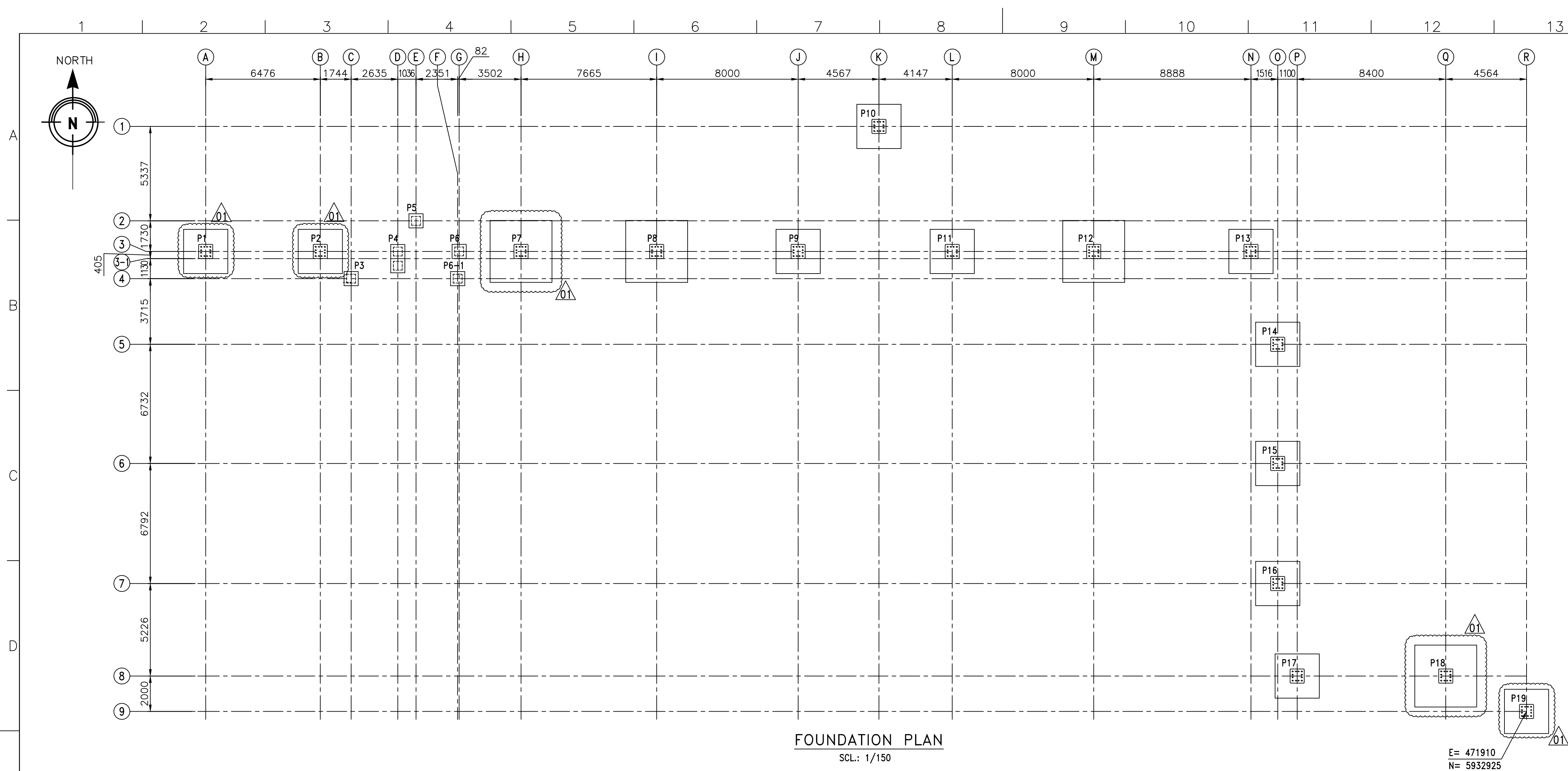
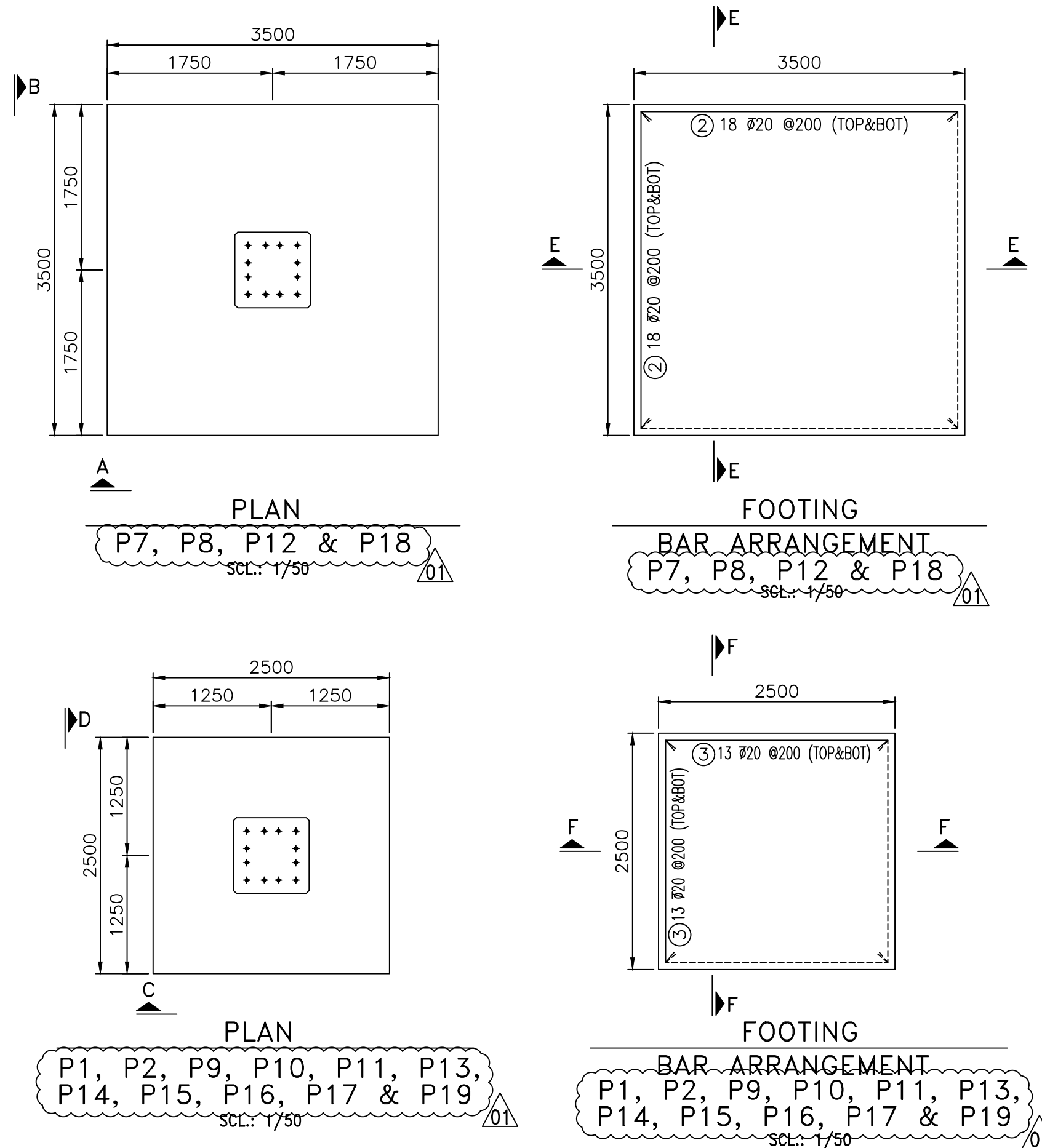




FOUNDATION PLAN
SCL: 1/150



POSITION OF PIPE SUPPORTS

P.NO.	EL. OF F.G.L.(mm)	EL. OF T.O.G.(mm)
P.1	2390000	2390200
P.2	2390000	2390200
P.3	2390000	2390500
P.4	2390000	2390600
P.5	2390000	2390500
P.6-1	2390000	2390500
P.6	2390000	2390500
P.7	2390000	2390200
P.8	2390000	2390200
P.9	2390000	2390200
P.10	2390000	2390200
P.11	2390000	2390200
P.12	2390000	2390200
P.13	2390000	2390200
P.14	2389430	2389630
P.15	2389110	2389310
P.16	2388790	2388990
P.17	2388550	2388750
P.18	2388390	2388590
P.19	2386920	2387120

BAR TABLE

POS.	Ø	Ø	RQD.	UNIT LENGTH (m)	LENGTH (m)			SHAPE	
					Ø25	Ø20	Ø12	ALL DIMENSIONS ARE OUT TO OUT. THESE DIMENSIONS ARE IN CM.	
1	33	—	180					SEE ANCHOR BOLT DETAIL	
2	Ø1	20	288	4.35	△	1252.80		50	335 50
3	—	20	572	3.35		1916.20		50	235 50
4	—	25	300	2.60	780.00			(BOT) 40 200 20 (TOP)	
5	—	12	255	3.00			765.00		
6	—	12	255	2.50	Ø1		637.50	△	150 70 70
7	—	12	24	1.45			34.80		35 15 35
8	—	20	80	2.30			184.00		80 30 80
9	—	20	24	1.70			40.80		50 70 50
10	—	20	18	2.40			43.20		85 70 85
11	—	20	10	3.20			32.00		85 150 85
12	—	20	6	2.50			15.00		50 150 50
TOTAL LENGTH (m)					780.00	3484.00	1437.30		
UNIT WEIGHT (kg/m)					△ 3.85	2.47	0.90	TOTAL +5% PERT	
TOTAL WEIGHT (kg)					3003.00	8605.48	1293.57	△ 13550 Kg	

CONCRETE VOLUME FOR CONSTRUCTION PLANING (m³)

PEDESTAL	FOOTING	GROUT	LEAN CONCRETE
19.51	82.43	0.29	14.08

GENERAL NOTES

1. CONSTRUCTION CONTRACTOR SHOULD CHECK ALL OF THE BAR TABLES.

2. THE COVER FOR REINFORCEMENT MUST BE TAKEN AS 75mm. IN FOUNDATION AND 50mm IN PEDESTAL.

3. $f_c=250$ Kg/cm² (28-DAY STANDARD CYLINDRICAL COMPRESSIVE STRENGTH) & MIN CEMENT IN CONCRETE IS 350 Kg CEMENT/m³

4. USED CEMENT SHOULD BE TYPE (5).

5. $F_y=4000$ Kg/cm² (MIN. YIELD STRESS OF REINFORCEMENTS WHICH IS EQUAL TO A III).

6. THICKNESS OF LEAN CONCRETE SHOULD BE AT LEAST 10 CM.

7. DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH ACI 318-02.

8. LEAN CONCRETE SHOULD HAVE AT LEAST 150 kg CEMENT/m³

9. ALL DIMENSIONS ARE IN "mm" UNLESS OTHERWISE SPECIFIED.

10. ALL ELEVATIONS ARE IN " mm ".

11. T.O.G. IS EQUAL TO " TOP OF GROUT ".

12. THE BARS MUST BE FREE FROM DUST , LOOSE RUST , OIL , PAINT , LOOSE MILL SCALES & ETC. BEFORE PLACING IN POSITION AND LAYING CONCRETE.

13. CEMENT BASED NON SHRINKAGE GROUT (TYPE G2)SHALL BE USED.

14. MINIMUM INNER RADIUS OF BENDING IN THIS DRAWING SHALL BE AS FOLLOWS:

Ø	RADIUS(mm)
25	75
20	60
12	36

15. ALL SURFACE OF FOUNDATION CONTACT WITH SOIL SHALL BE ISOLATED BY BITUMINOUS COMPOUND.

REFERENCE DRAWINGS

1-STEAM GENERATION PLOT PLAN (KEY PLAN)

(C047S-K004-001 REV.A)
418/225.1-D00-L1-001

2-G.A. OF PIPE RACK

(C047S-K151-001~003)
418/225.1-D00-T3-010 ~ 012

- F.G.L IS EQUAL TO " FINISHED GROUND LEVEL"

- B.O.F IS EQUAL TO " BOTTOM OF FOUNDATION"

- T.O.F IS EQUAL TO " TOP OF FOUNDATION"

- T.O.G IS EQUAL TO " TOP OF GROUT"

- T.O.C IS EQUAL TO " TOP OF CONCRETE"

THIS DRAWING

KEY PLAN

01	A	00.04.26	17 Jul 2021	ISSUED FOR INFORMATION						
00	Z	00.04.01	22 Jun 2021	ISSUED FOR INFORMATION	M.RASOULI	M.BEHNOOD	M.BEHNOOD	-		
CLIENT	AZARAB	REV.	DATE	DESCRIPTION	DESIGN	CHECKED	APPROVE	P.M		

OWNER:
NATIONAL IRANIAN COPPER INDUSTRIES CO.

CONSULTANT:
AZARAB

CONTRACTOR:
AZARAB

SUB-CONTRACTOR:

PROJECT TITLE :
SARCHESHMEH COPPER COMPLEX
FLASH SMELTING EXPANSION PROJECT
2 X 60 T/H BOILERs

TITLE:
FOUNDATION OF PIPE RACK

SCALE:
1/150

UNIT:
225

SIZE:
A1

SHEET:
1 of 1

DRAWING NO.:
418/225.1-D00-C3-014

REV.
01

CONTRACTOR:
AZARAB INDUSTRIES CO.

DESIGN & ENG. DEPT.
BOILER DIVISION

PROJECT CODE:
C047

CLIENT CODE:
C047S-C151-001

PAGE:
A

1 OF 1