

- ALL DIMENSIONS ARE IN MM
- ALL CONCRETE SHOULD BE OF GRADE M25 UNLESS SPECIFIED
- COVER TO REINFORCEMENT
COLUMN = 40mm, BEAM = 30mm
SLAB = 15mm, FOUNDATION = 50mm
- DEPTH OF EXCAVATION UNDER GROUND SLUMP SHOULD BE ABOVE THAT OF FOUNDATION.
- DO NOT SCALE THE DRAWING. FOLLOW WITH DIMENSION.
- ALL WALLS ARE AS PER ARCHITECTURAL DRAWINGS
- LEAN CONCRETE (1:3:6) NOMINAL MIX 75 THK. SHALL BE PROVIDED UNDER FOUNDATION.
- THE DRAWINGS SHOULD BE STUDIED CAREFULLY AND ALL DIMENSIONS SHOWN HERE SHOULD BE CHECKED AT SITE. CLARIFICATION REGARDING DISCREPANCY IF ANY, SHOULD BE OBTAINED BEFORE COMMENCEMENT OF WORK.
- SPACER BAR USED SHALL BE OF 20mm OR DIAMETER OF THE BAR USED IN THE JOB WHICH IS LARGER.
- STEEL TO BE USED SHOULD BE OF Fe-500 GRADE. REINFORCEMENT SHOULD BE WITH COLD TWISTED DEFORMED BARS CONFORMING TO IS : - 1786 AND HAVE BEEN SHOWN AS Φ .
- DEPTH OF EXCAVATION UNDER GROUND SUMP/RESERVOIR SHOULD BE ABOVE THE DEPTH OF FOUNDATION OF THE ADJACENT BUILDING / STRUCTURE.
- LAP LENGTH OF STEEL BAR SHALL BE 50xDIA OF BAR

STRUCTURAL CERTIFICATE

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

SUBIR CHANDRA SANYAL
B. C. E., A. M. I., STRUCT. E. (II)
E. S. NO. 840, CLASS-I
E. S. E. NO. 007, CLASS-I
RAIPUR-SONARPUR MUNICIPALITY

SIGNATURE OF STRUCTURAL ENGINEER (E.S.E. NO. 007)

DECLARATION OF E.B.A.

I HAVE CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT BUILDING RULES-1990 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE ADJUTING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP LAND.

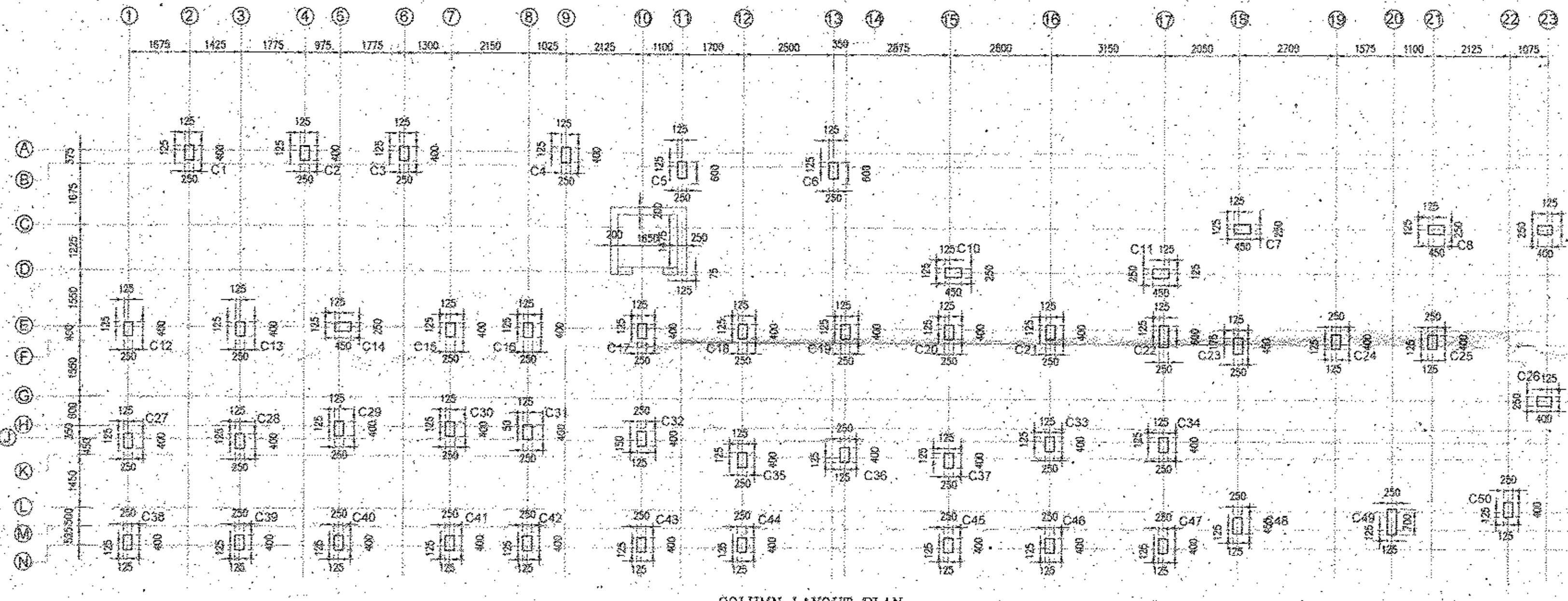
SCHEDULE OF FOUNDATION

| MKD. | SIZE (mm) | DEPTH OF BASE SLAB | REINFORCEMENT |
|--------|-------------|--------------------|--|
| F1 | 2000 | 2000 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| F2 | 2200 | 2200 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| F3 | 2400 | 2400 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| F4 | 2600 | 2600 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| F5 | 2800 | 2800 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| F6 | 2500 | 2500 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| F7 | 1800 | 2200 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| F8 | 2200 | 2800 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| COMB-1 | AS PER PLAN | 400 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| COMB-2 | AS PER PLAN | 400 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |
| COMB-3 | AS PER PLAN | 400 | 12 Φ 150 C/C BOTH WAYS OF BOTTOM. |

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RAIPUR-SONARPUR MUNICIPALITY

SIGNATURE OF E.B.A.

Rupak Kumar Banerjee
RUPAK KUMAR BANERJEE
B.C.E., M.E., MGS, M.I.E.,
C.T.I./I.C.M.C.,
019/RJP SON/G/T/2014-15
SIGNATURE OF GEOTECHNICAL ENGINEER



SCHEDULE OF COLUMN (M20 AND FE 500)

| COLUMN NOS. | SIZE (mm) | FOUNDATION TO 1ST FL. | 1ST FL. TO ROOF | STIRRUPS |
|-------------|-----------|-----------------------|-----------------|----------|
| C01 | 250x400 | 8-18RT | 8-18RT | 8-18RT |
| C02 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C03 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C04 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C05 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C06 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C07 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C08 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C09 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C10 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C11 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C12 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C13 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C14 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C15 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C16 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C17 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C18 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C19 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C20 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C21 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C22 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C23 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C24 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C25 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C26 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C27 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C28 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C29 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C30 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C31 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C32 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C33 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C34 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C35 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C36 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C37 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C38 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C39 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C40 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C41 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C42 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C43 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C44 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C45 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C46 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C47 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C48 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C49 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |
| C50 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-12RT |

SCHEDULE OF COLUMN (M20 AND FE 500)

| COLUMN NOS. | SIZE (mm) | FOUNDATION TO 1ST FL. | 1ST FL. TO ROOF | STIRRUPS |
|-------------|-----------|-----------------------|-----------------|----------|
| C01 | 250x400 | 8-18RT+2-12RT | 4-18RT+4-12RT | 8-18RT |
| C02 | 250x400 | 8-18RT+4-12RT | 8-18RT+4-12RT | 8-18RT |
| C03 | 250x400 | 8-18RT+4-12RT | 8-18RT+4-12RT | 8-18RT |
| C04 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C05 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C06 | 250x400 | 8-18RT | 4-20RT+4-18RT | 8-18RT |
| C07 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C08 | 250x400 | 8-18RT | 4-20RT+4-18RT | 8-18RT |
| C09 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C10 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C11 | 250x400 | 8-18RT | 8-18RT | 8-18RT |
| C12 | 250x400 | 8-18RT+4-12RT | 8-12RT | 8-18RT |
| C13 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C14 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C15 | 250x400 | 8-18RT | 8-18RT+2-12RT | 8-18RT |
| C16 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C17 | 250x400 | 8-18RT | 4-20RT+4-18RT | 8-18RT |
| C18 | 250x400 | 8-18RT | 4-20RT+4-18RT | 8-18RT |
| C19 | 250x400 | 8-18RT | 4-20RT+4-18RT | 8-18RT |
| C20 | 250x400 | 8-18RT | 4-20RT+4-18RT | 8-18RT |
| C21 | 250x400 | 8-18RT | 8-18RT | 8-18RT |
| C22 | 250x400 | 8-18RT+4-12RT | 4-18RT+4-12RT | 8-18RT |
| C23 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C24 | 250x400 | 8-18RT+4-12RT | 8-18RT | 8-18RT |
| C25 | 250x400 | 8-18RT | 4-20RT+4-18RT | 8-18RT |

PROJECT

STRUCTURAL DRAWING FOR A PROPOSED G + III STORED RESIDENTIAL BUILDING AT HOLDING NO.810, PURBA BALIA, WARD NO.01, J.L. NO. 46, R.5 DAG NO. - 744,745,746,747, L.R DAG NO. - 801,802,803,804, R.SKHATIAN NO. 301,304,305,306, L.R KHATIAN NO. 801,802,803,804, MOUZA-BALIA, P.S. SONARPUR, DIST. -24PGS (S), UNDER RAIPUR SONARPUR MUNICIPALITY

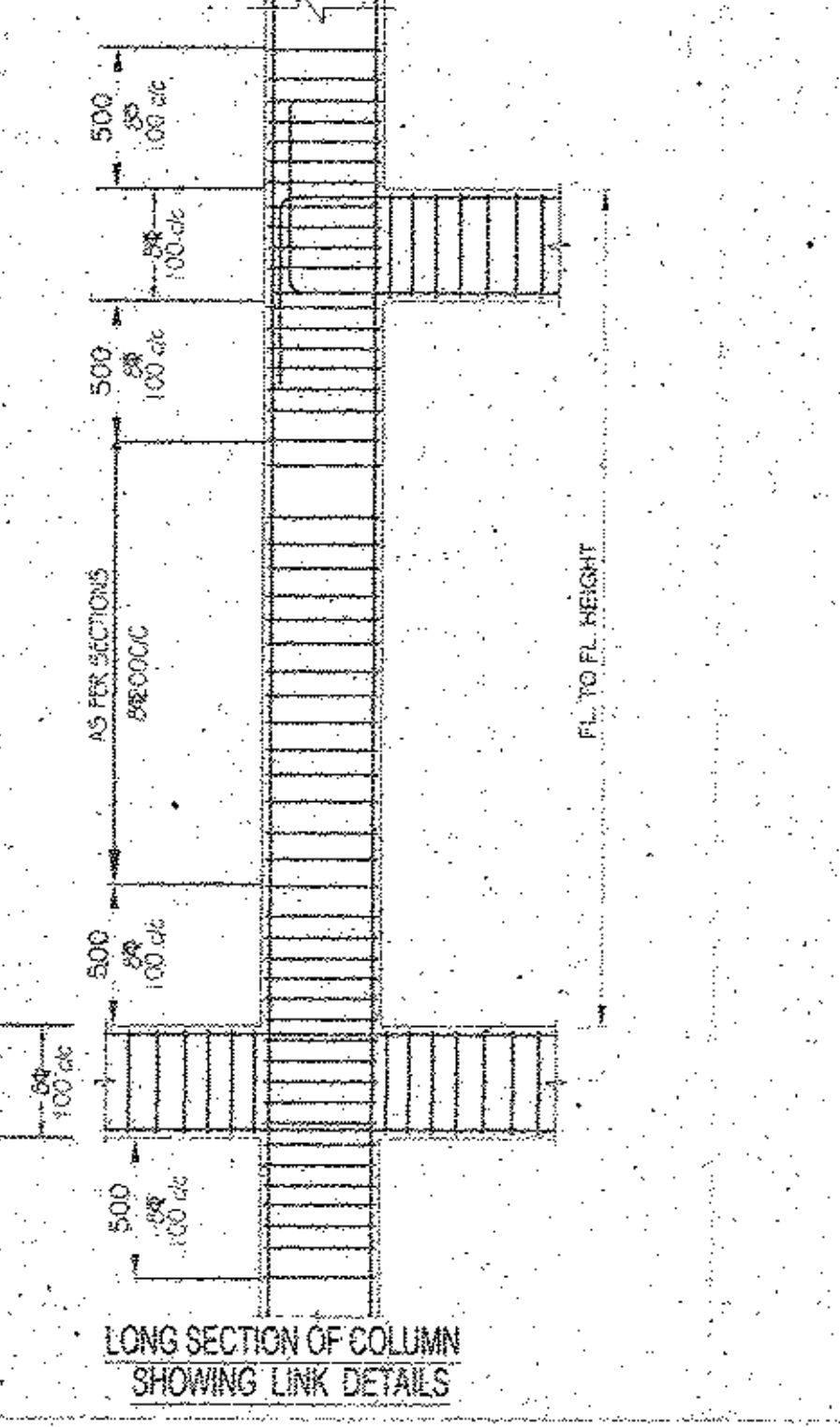
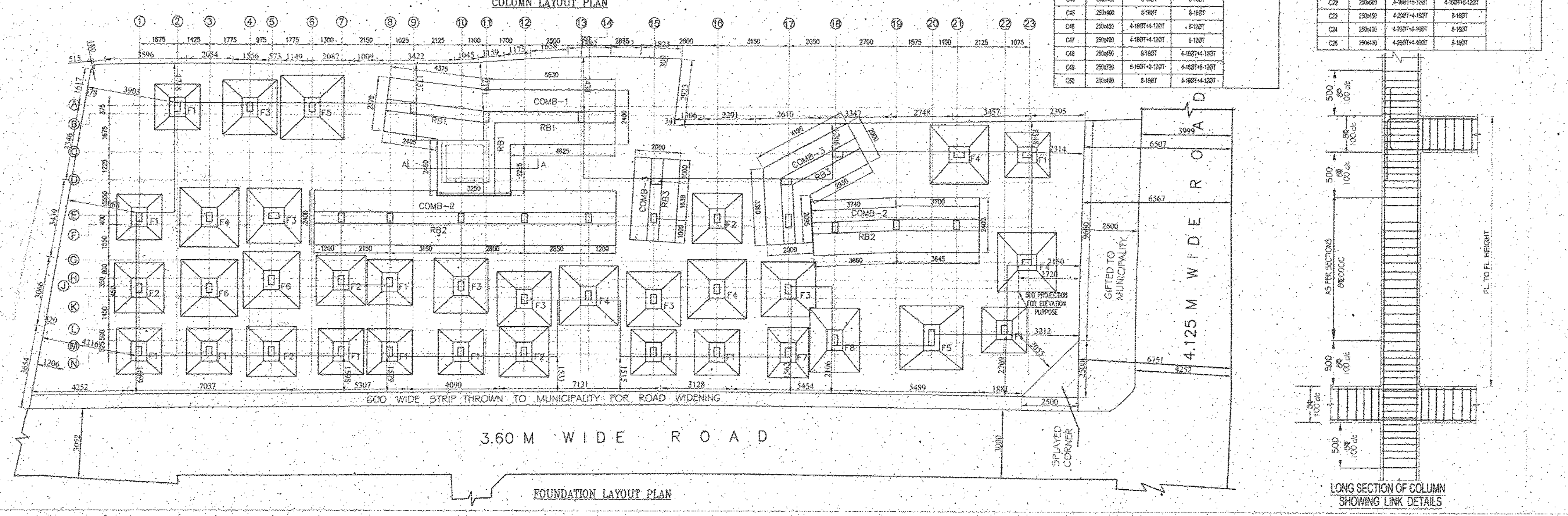
NAME OF OWNER : ASHOK KUMAR DAS & OTHERS

DRAWN : SAMPA
DESIGNED :
CHECKED :
APPROVED :

SCALE : 1:100
DATE : 28.02.2020(04.09.2020)
DRG. NO. :

Sanyalson Associates Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
P-157 KANUNGO PARK KOLKATA-84

APPROVAL OF S.A.P.



OFFICE USE ONLY

Structural plan as submitted by the structural Engineer have been kept for record of the Raipur-Sonarpur Municipality without Verification No. deviation from the submitting structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form necessary steps should be taken for the safety of the adjoining premises public private properties and safety of human life during construction

8/10/2020
Sig. of Assistant Engineer,
Incharge P.W.D
RAIPUR-SONARPUR MUNICIPALITY