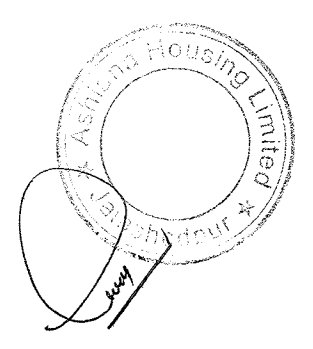


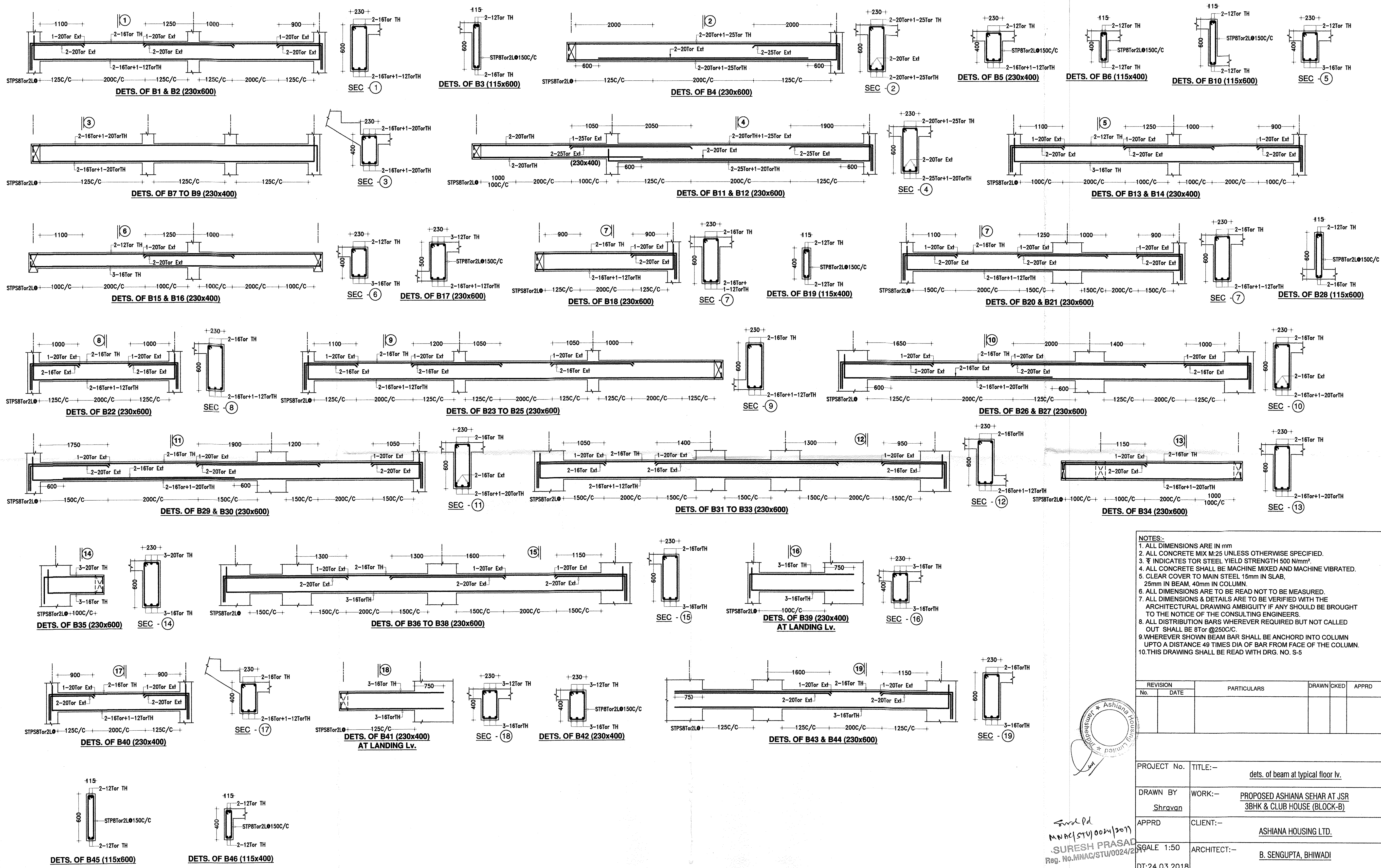
- NOTES:
1. ALL DIMENSIONS ARE IN mm
 2. ALL CONCRETE MIX M.25 UNLESS OTHERWISE SPECIFIED.
 3. ∇ INDICATES TOR STEEL YIELD STRENGTH 500 N/mm².
 4. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 5. CLEAR COVER TO MAIN STEEL 15mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.
 6. ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.
 7. ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS.
 8. ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8tor @250/C.
 9. WHEREVER SHOWN BEAM BAR SHALL BE ANCHORED INTO COLUMN UP TO A DISTANCE 49 TIMES DIA OF BAR FROM FACE OF THE COLUMN.
 10. THIS DRAWING SHALL BE READ WITH DRG. NO. S-3



Suresh Prasad
MNAEC (STU/0024/2017)
SURESH PRASAD
Reg. No. MNAEC/STU/0024/2017

REVISION No.	DATE	PARTICULARS	DRAWN (CKD)	APPRD

PROJECT No.	TITLE:-	TIE BEAM DETAILS.
DRAWN BY	WORK:-	PROPOSED ASHIANA SEHAR AT JSR 3BHK & CLUB HOUSE (BLOCK-B)
APPRD	CLIENT:-	ASHIANA HOUSING LTD.
SCALE 1:50	ARCHITECT:-	B. SENGUPTA, BHIWADI
DT: 24.03.2018		
DRG. No.		

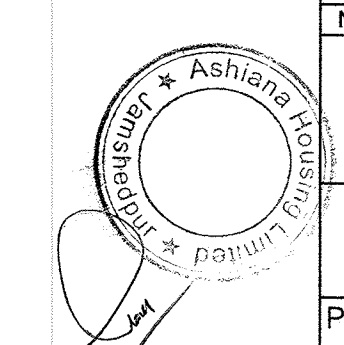


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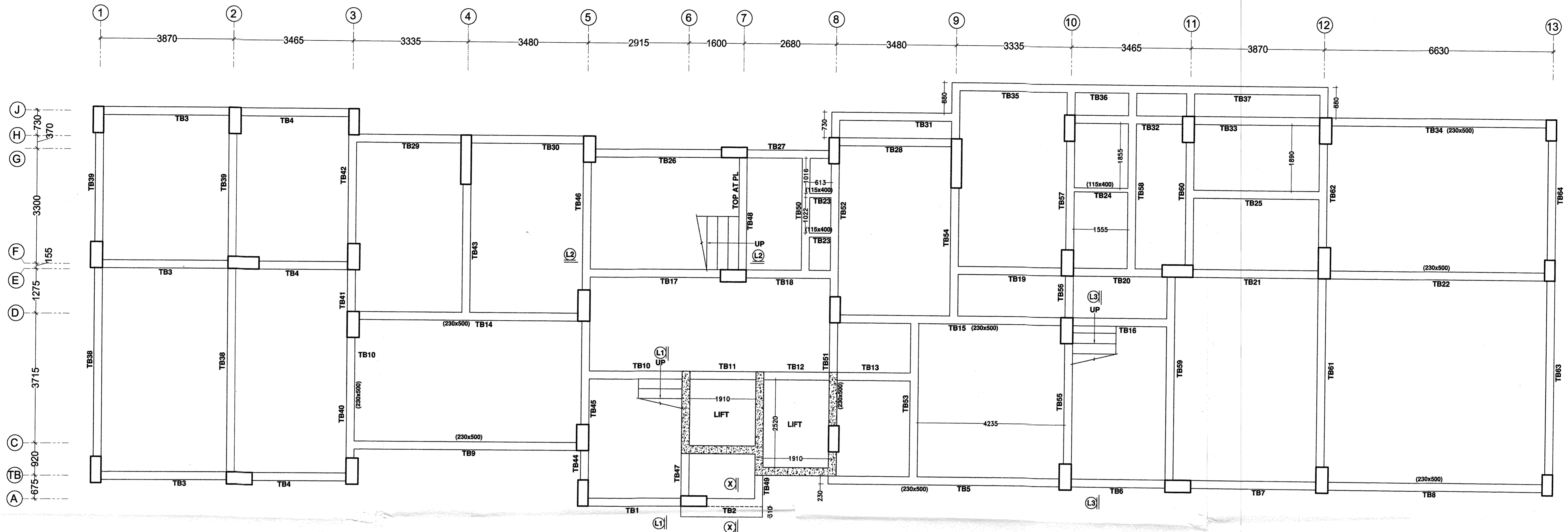
- ALL DIMENSIONS ARE IN mm
- ALL CONCRETE MIX M:25 UNLESS OTHERWISE SPECIFIED.
- ⌘ INDICATES TOR STEEL YIELD STRENGTH 500 N/mm²
- ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
- CLEAR COVER TO MAIN STEEL 15mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.
- ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.
- ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS.
- ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8TOR @250C/C.
- WHEREVER SHOWN BEAM BAR SHALL BE ANCHORED INTO COLUMN UPTO A DISTANCE 49 TIMES DIA OF BAR FROM FACE OF THE COLUMN.
- THIS DRAWING SHALL BE READ WITH DRG. NO. S-5

REVISION No.	DATE	PARTICULARS	DRAWN	CKED	APPRD

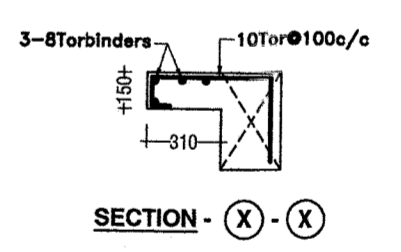
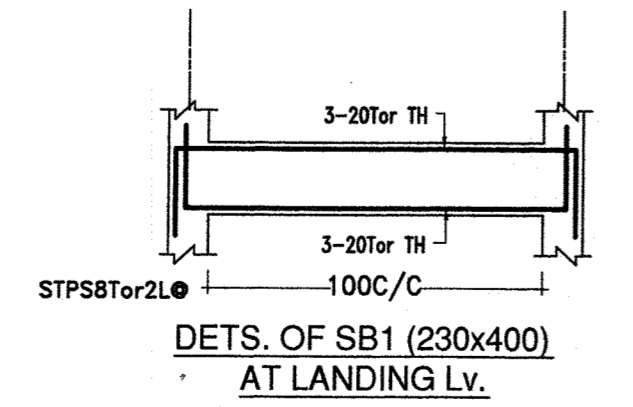
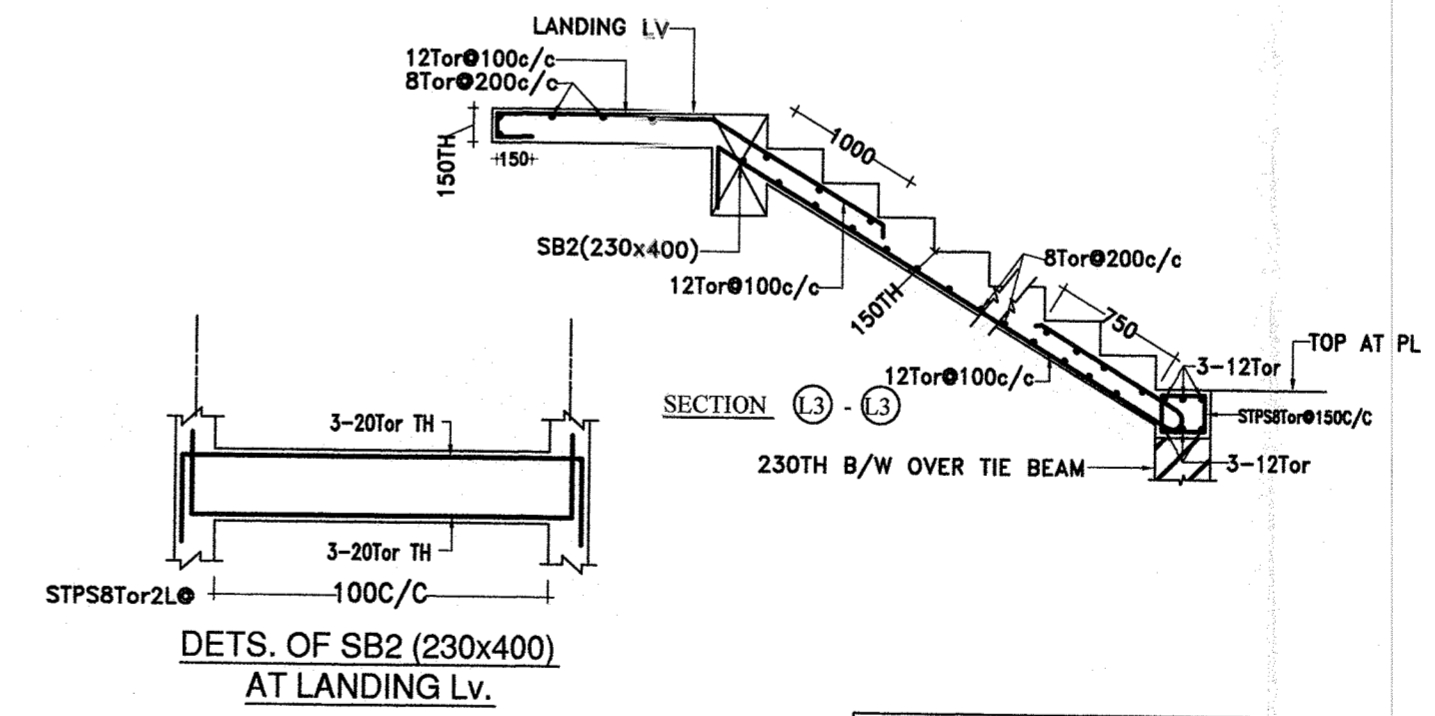
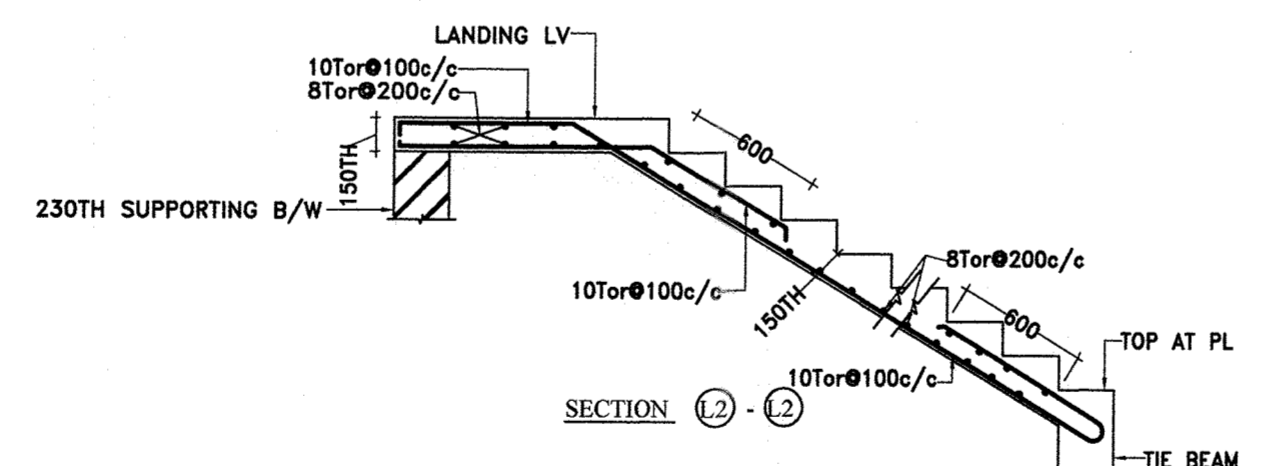
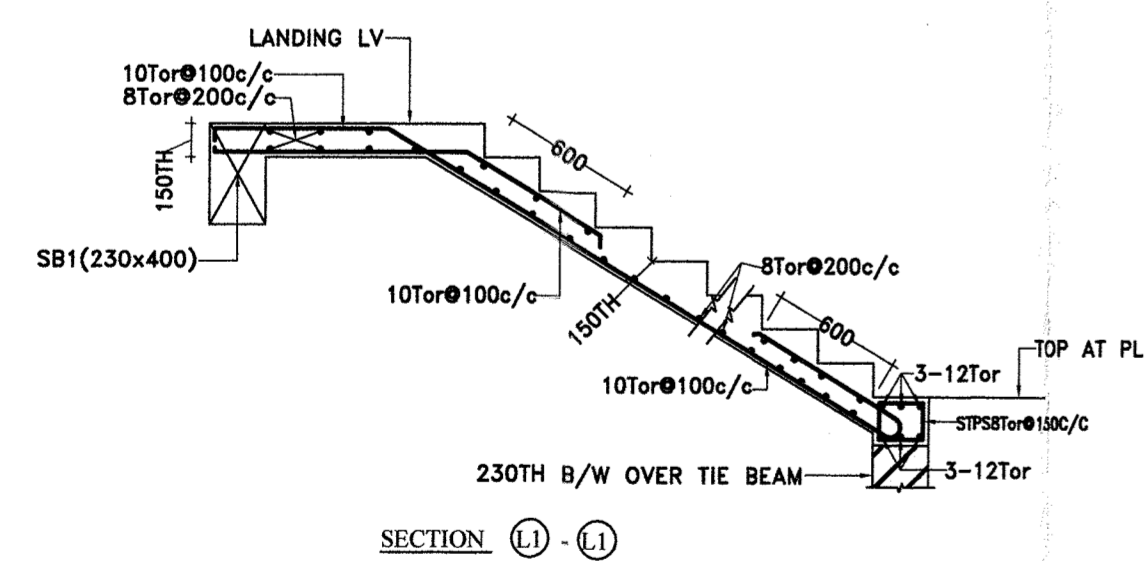
PROJECT No.	TITLE:- dets. of beam at typical floor lv.
DRAWN BY Shravan	WORK:- PROPOSED ASHIANA SEHAR AT JSR 3BHK & CLUB HOUSE (BLOCK-B)
APPRD	CLIENT:- ASHIANA HOUSING LTD.
SCALE 1:50	ARCHITECT:- B. SENGUPTA, BHIWADI



Suresh Prasad
M.N.A.C./STU/0024/2017
SURESH PRASAD
Reg. No. M.N.A.C./STU/0024/2017



SIZE OF ALL TIE BEAMS (230x400) EXCEPT MKD
 TOP Lv OF ALL TIE BEAMS SHALL BE AT FINISHED GROUND Lv (EXCEPT MKD)



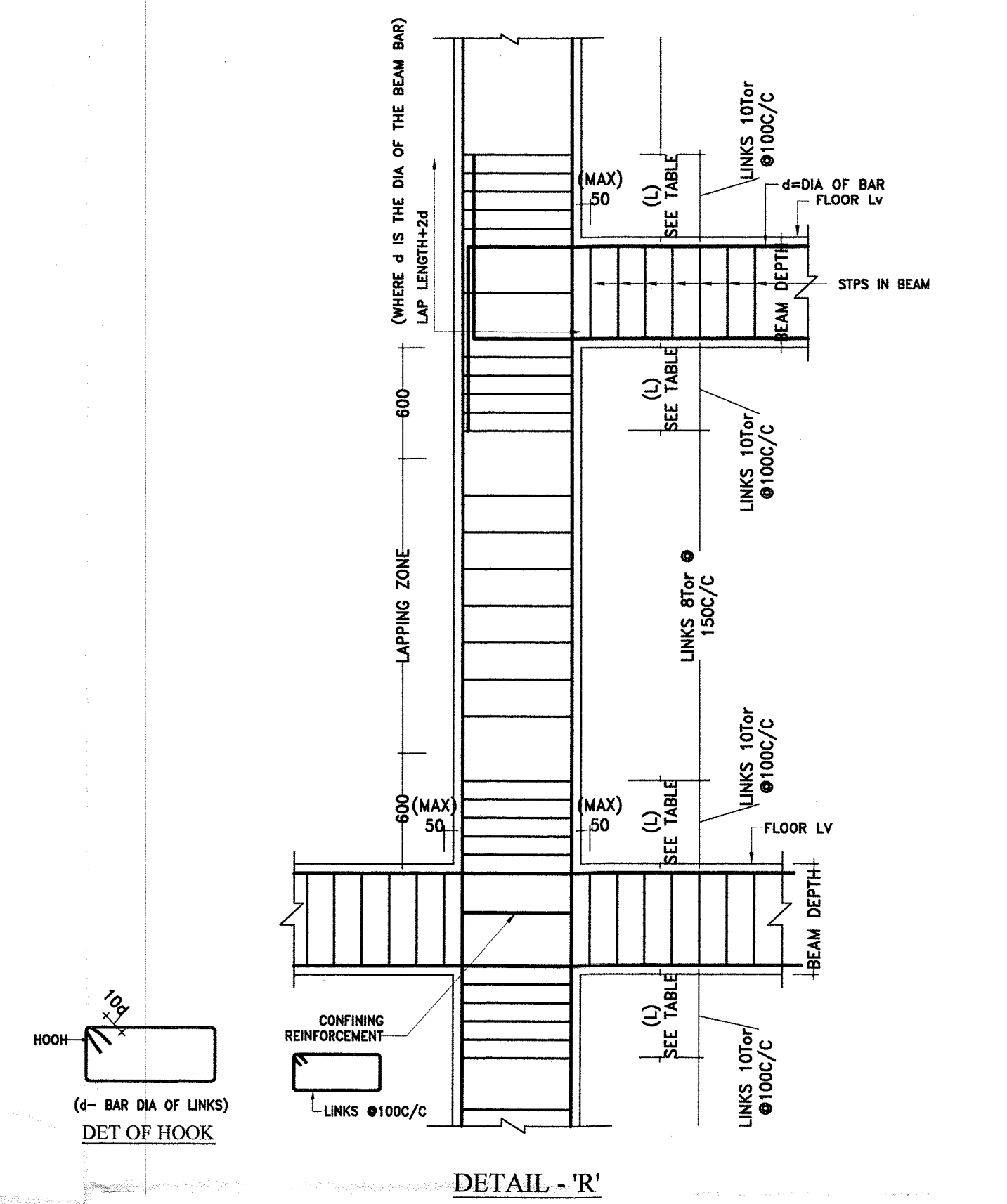
- NOTES:-
1. ALL DIMENSIONS ARE IN mm
 2. ALL CONCRETE MIX M:25 UNLESS OTHERWISE SPECIFIED.
 3. Φ INDICATES TOR STEEL YIELD STRENGTH 500 N/mm².
 4. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 5. CLEAR COVER TO MAIN STEEL: 20mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.
 6. ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.
 7. ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS.
 8. ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8TOR @250C/C.
 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.
 115. REFER DRG.No. S-4 FOR TIE BEAM DETAILS.

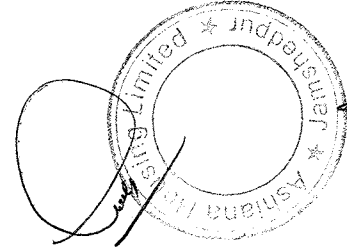
SURESH PRASAD
 Reg. No. MNAC/STU/0024/2017

REVISION		PARTICULARS	DRAWN	CKED	APPRD
No.	DATE				
PROJECT No.	TITLE:- TIE BEAM PLAN				
DRAWN BY Shreyan	WORK:- PROPOSED ASHIANA SEHAR AT JSR 3BHK & CLUB HOUSE (BLOCK-B)				
APPRD	CLIENT:- ASHIANA HOUSING LTD.				
SCALE 1:50	ARCHITECT:- B. SENGUPTA, BHIWADI				
DT:24.03.2018					
DRG.No.	REV				
S-3					

COLUMN SCHEDULE

FLOOR LEVEL	COLUMN SIZE	L	B	CONCRETE MIX	SECTION WITH MAIN STEEL	LINKS (SEE DETAIL-R)	750	750	750	750	750	900	900	1415
							300	300	350	350	350	350	350	300
1th FLOOR Lv TO TOP				M:25	6-16Tor 6-16Tor+6-12Tor		M:25	M:25	M:25	M:25	M:25	M:25	M:25	M:25
8th FLOOR Lv TO 11th FLOOR Lv				M:25	6-16Tor 6-16Tor+6-12Tor		M:25	M:25	M:25	M:25	M:25	M:25	M:25	M:25
5th FLOOR Lv TO 8th FLOOR Lv				M:25	6-16Tor 6-16Tor+6-12Tor		M:25	M:25	M:25	M:25	M:25	M:25	M:25	M:25
2nd FLOOR Lv TO 5th FLOOR Lv				M:25	12-16Tor		M:25	M:25	M:25	M:25	M:25	M:25	M:25	M:25
FOUNDATION TO 2nd FLOOR Lv		600	300	M:25	10-16Tor		M:25	M:25	M:25	M:25	M:25	M:25	M:25	M:25
COLUMN MKD		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11		
NOS. OF COL.		1	1	1	7	4	4	10	2	2	1	2		




 SURESH PRASAD
 Reg. No. MNAC/STU/0024/2017

COLUMNS FOR GROUND + 13 STOREYD ONLY

NOTES:- READ THIS DRG.ALONG WITH DRG No. S1

NOTES:-

1. ALL DIMENSIONS ARE IN mm
2. ALL CONCRETE MIX SHALL BE M:20 EXCEPT MKD
3. § INDICATES TOR STEEL YIELD STRENGTH 500 N/mm².
4. CLEAR COVER TO MAIN STEEL 40mm IN COLUMN.
5. THIS DRAWING SHALL BE READ WITH DRG.NO. S1.
6. LAP LENGTH FOR VERTICAL BAR 40 x BAR DIA.
7. SPACING OF LINKS SHALL BE REDUCED TO 100 C/C AT LOCATION AS SHOWN IN DET-R
8. COLUMN BARS SHALL BE LAPPED IN THE ZONE OF 600 ABOVE AND 600 BELOW THE FLOOR LV. AS SHOWN IN DET-R

REVISION No.	DATE	PARTICULARS	DRAWN	CKED	APPRD


THIS DRAWING IS THE PROPERTY OF SCON PRIVATE LIMITED PATNA AND MUST BE RETURNED ON REQUEST. IT IS SUBMITTED AS CONFIDENTIAL INFORMATION IN CONNECTION WITH THE ENQUIRY TENDER ORDER OR CONTRACT. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE OR ORDER NOR MAY IT BE COPIED OR LENT WITHOUT OUR AUTHORITY IN WRITING.

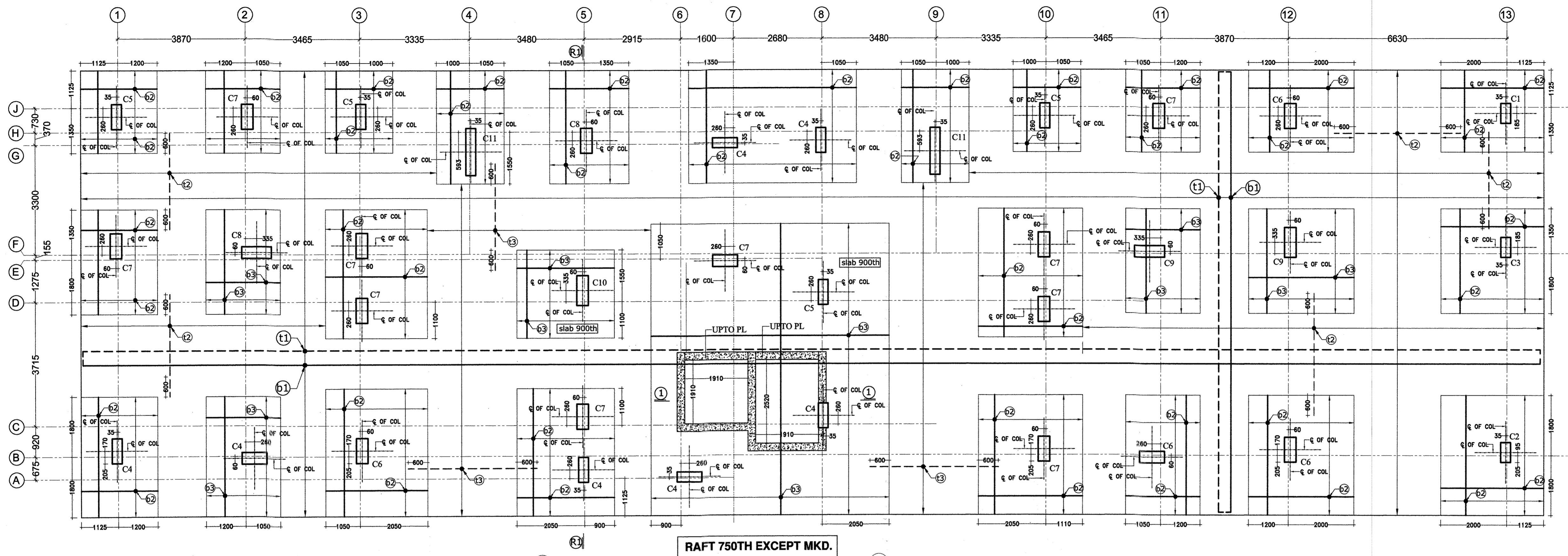
PROJECT No. TITLE :- **COLUMN SCHEDULE**

DRAWN BY: **Shravan** WORK:- **PROPOSED ASHIANA SEHAR AT JSR 3BHK & CLUB HOUSE (BLOCK-B)**

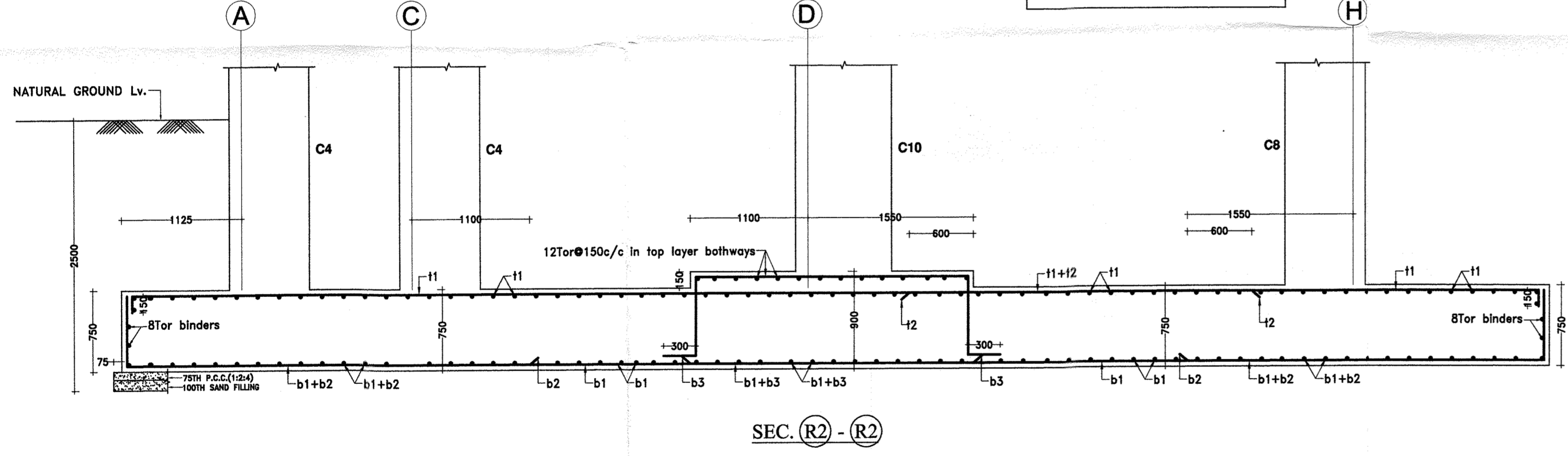
APPRD: CLIENT :- **ASHIANA HOUSING LTD.**

SCALE 1: 50 ARCHITECT:- **B. SENGUPTA, BHIWADI**
1: 25
DT:24.03.2018

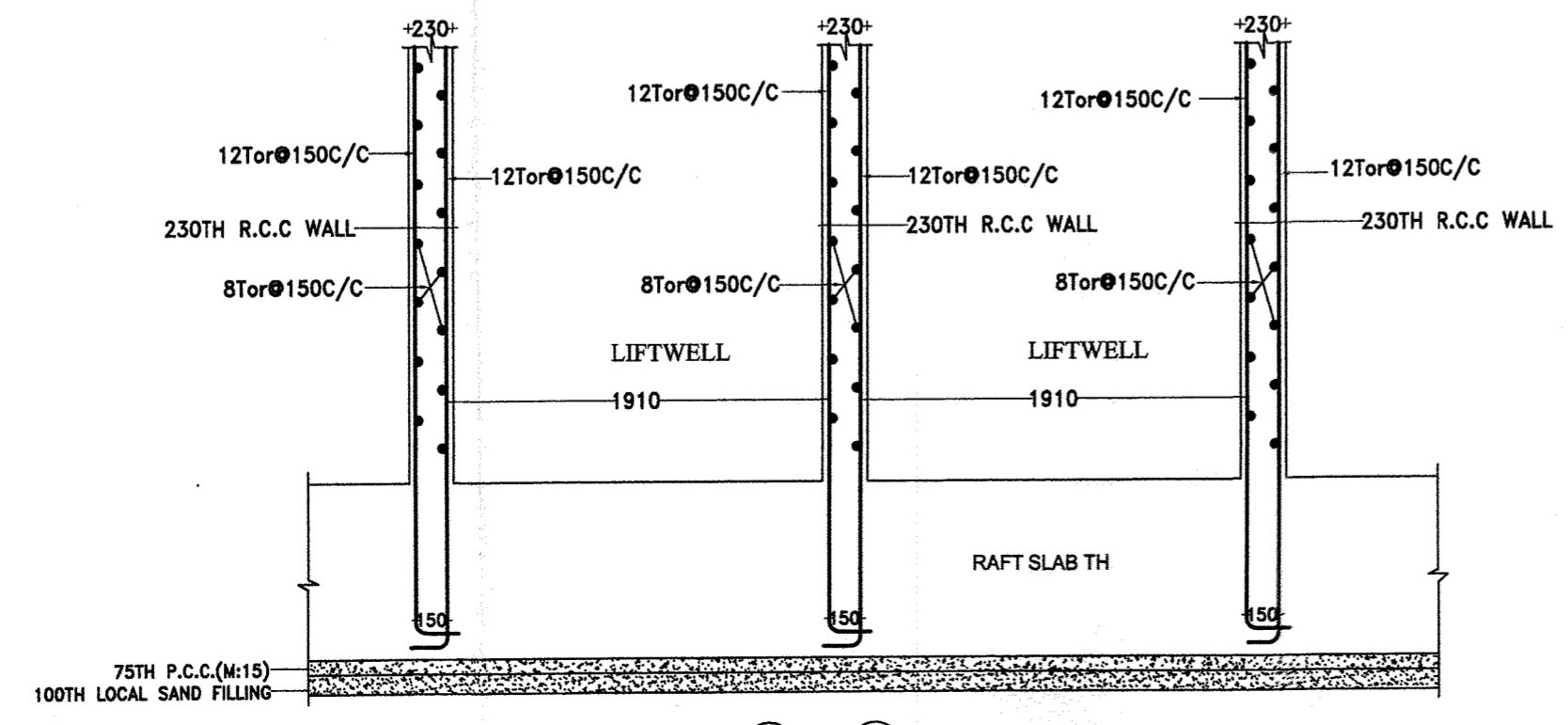
DRG.No. **S2** REV.  **SCON PRIVATE LIMITED**
STRUCTURAL CONSULTANTS, CIVIL ENGINEERS
HOUSE NO.L-2/11, BESIDE SHIV TEMPLE
SOUTH SRIKRISHNA PURI, PATNA-1
CONTACT: 98352-61528.



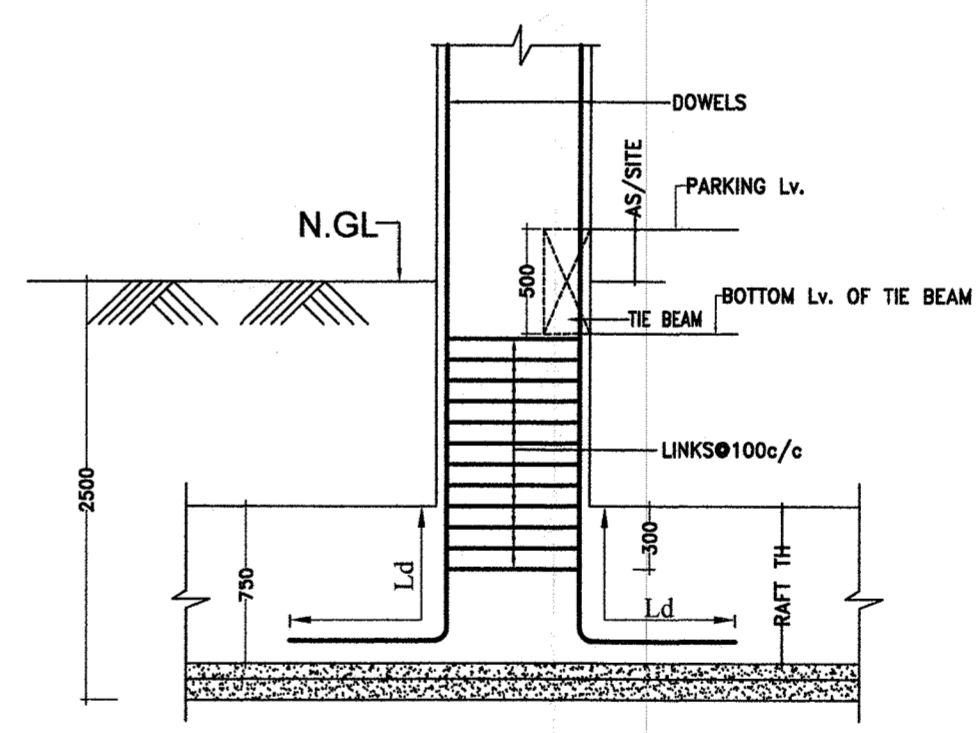
RAFT 750TH EXCEPT MKD.



SECTION (R2) - (R2)



SECTION THROUGH LIFT WELL



TYPICAL DETAIL FOR EMBEDMENT OF DOWELS IN RAFT
Where, Ld = 47 Times dia of bar

TABLE :- 1

ITEMS	GRADE OF CONCRETE
RAFT	M:25
R.C.C WALL	M:25
COLUMNS	AS/COLUMN SCHEDULE

LEGEND

b1	16 \varnothing 200C/C THROUGH IN BOTTOM LAYER
b2	20 \varnothing 200C/C EXTRA IN BOTTOM LAYER
b3	25 \varnothing 200C/C EXTRA IN BOTTOM LAYER
t1	16 \varnothing 200C/C THROUGH IN TOPLAYER
t2	16 \varnothing 200C/C EXTRA IN TOP LAYER
t3	20 \varnothing 200C/C EXTRA IN TOP LAYER

NOTE:- FOUNDATION FOR GROUND+13 STOREYED ONLY

- NOTES:-
- ALL DIMENSIONS ARE IN mm
 - FOR GRADE OF CONCRETE REFER TABLE NO- 1.
 - \varnothing INDICATES TOR STEEL YIELD STRENGTH 500 N/mm².
 - ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 - CLEAR COVER TO MAIN STEEL 50 MM IN RAFT, 20mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.
 - ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.
 - ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS.
 - ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8TOR @250C/C.
 - REFER DRG NO -S2 FOR COLUMN SCHEDULE
 - TOP REINFORCEMENT SHOWN THUS. - - - - -
 - BOTTOM REINFORCEMENT SHOWN THUS. _____
 - DEPTH OF FOUNDATION SHALL BE 2500 BELOW NATURAL GROUND LV.

REVISION No.	DATE	REVISION	DRAWN/CHECKED	APPRD

PROJECT No. TITLE:- LAYOUT & FOUNDATION PLAN

DRAWN BY: Shravan WORK:- PROPOSED ASHIANA SEHAR AT JSR 3BHK & CLUB HOUSE (BLOCK-B)

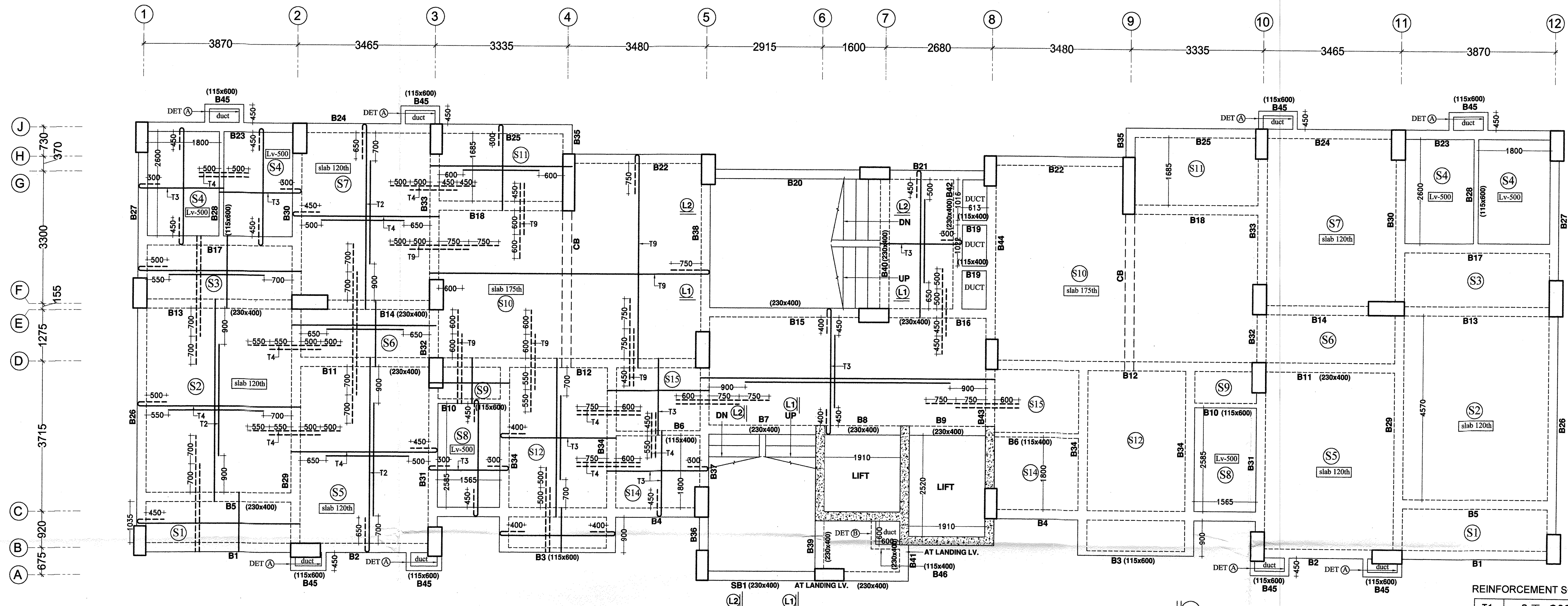
APPRD: CLIENT:- ASHIANA HOUSING LTD.

SCALE 1:50 ARCHITECT:- B. SENGUPTA, BHIWADI

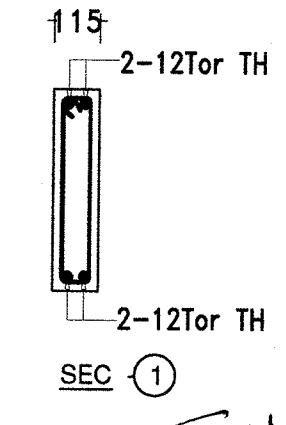
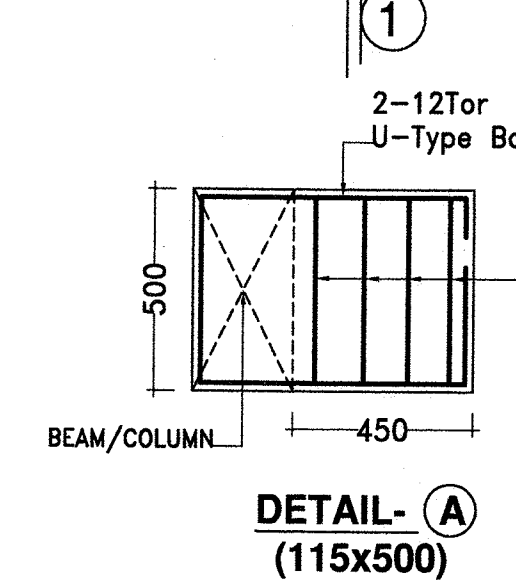
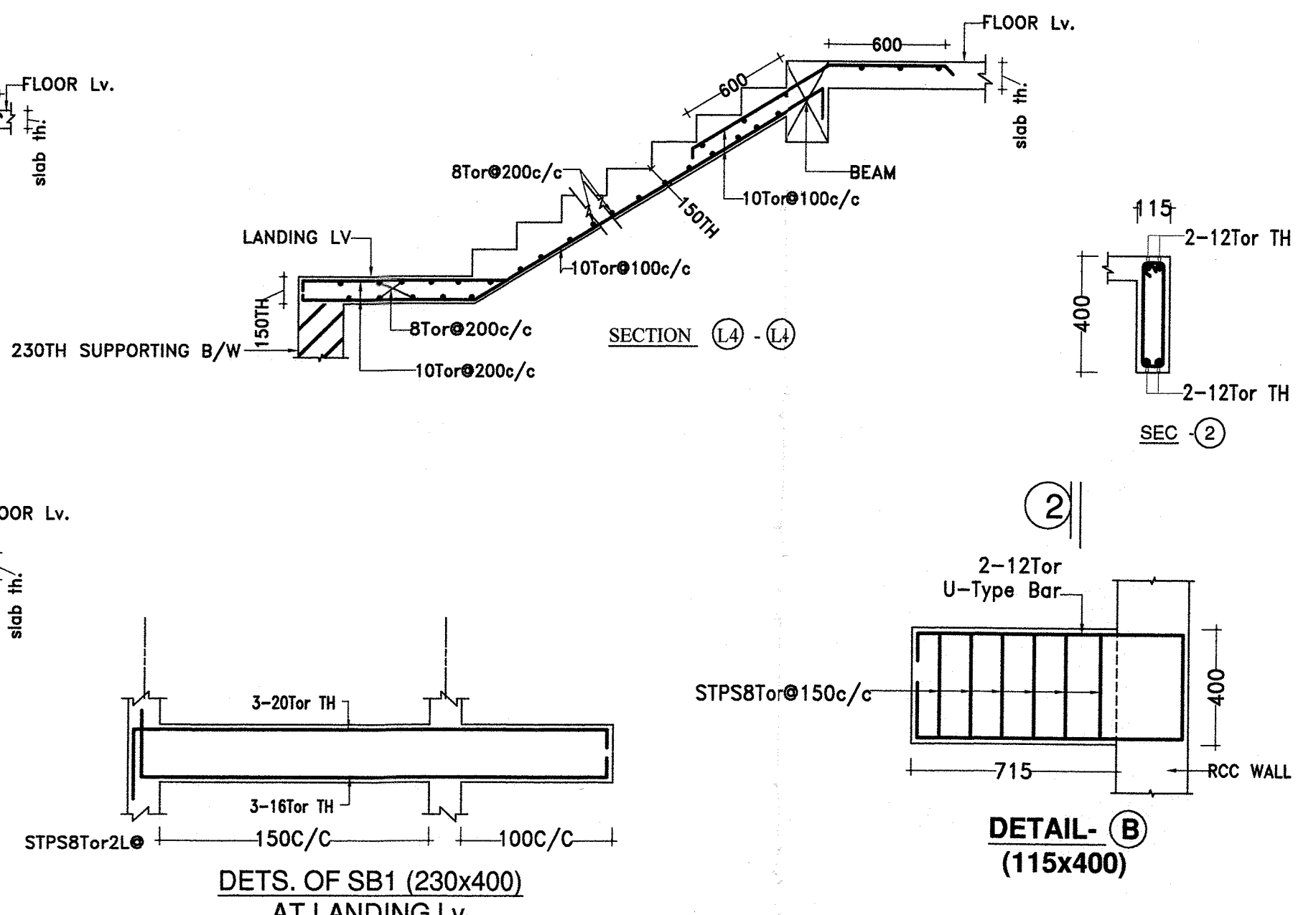
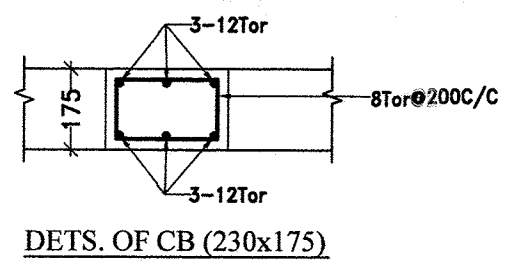
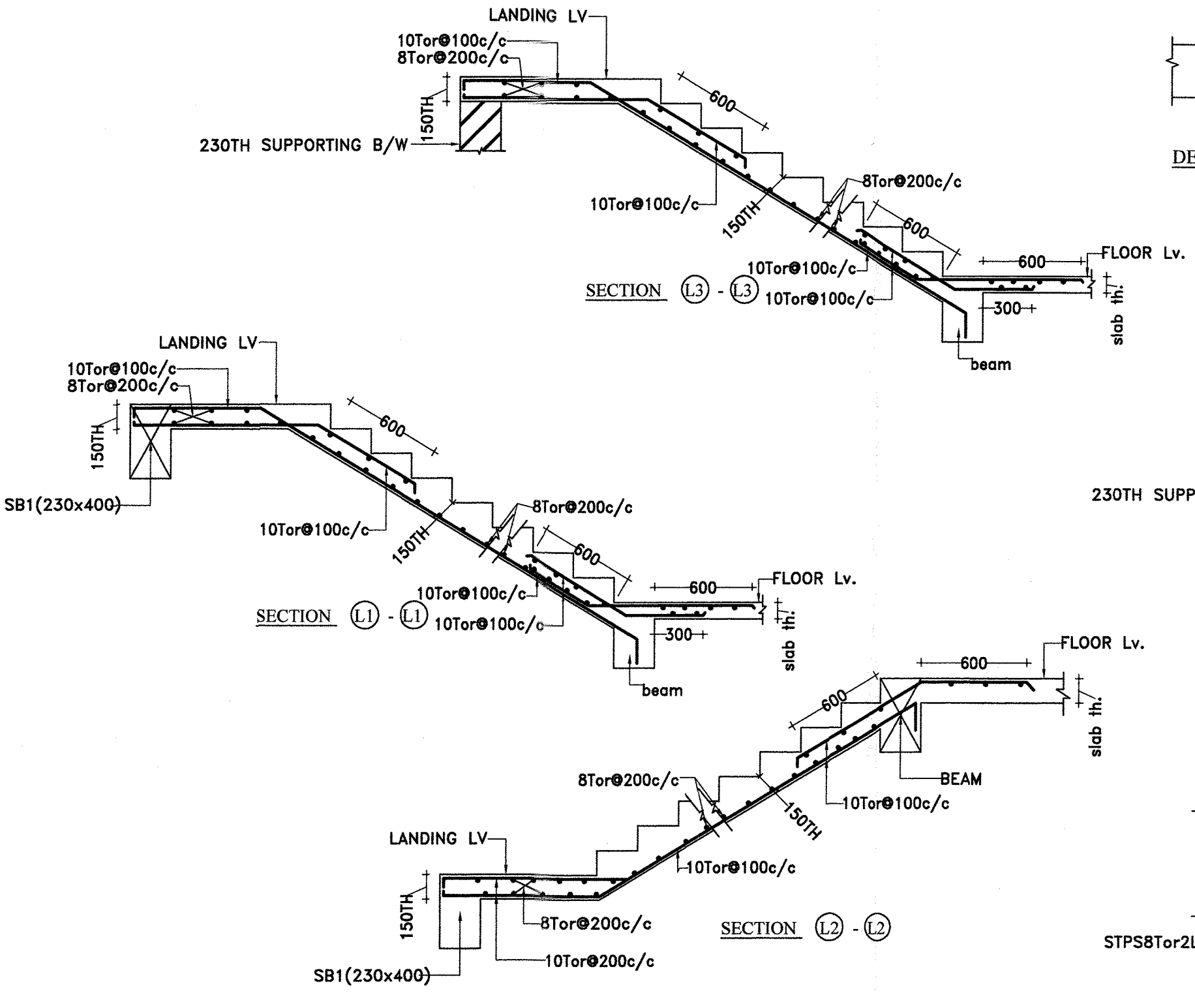
DT: 24.03.2018 DRG.No. REV

S-1

SCON PRIVATE LIMITED
STRUCTURAL CONSULTANTS, CIVIL ENGINEERS
HOUSE NO. L-2/11, BESIDE SHIV TEMPLE
SOUTH BOKSAR, ANAPURU PATNA-1
CONTACT: 9852-61528



**SIZE OF ALL BEAMS (230x600) EXCEPT MKD
ALL SLAB 100TH (EXCEPT MKD)**



REINFORCEMENT SCHEDULE

T1	8 $\bar{\phi}$ @200 C/C
T2	8 $\bar{\phi}$ @175 C/C
T3	8 $\bar{\phi}$ @150 C/C
T4	8 $\bar{\phi}$ @125 C/C
T5	8 $\bar{\phi}$ @100 C/C
T6	10 $\bar{\phi}$ @200 C/C
T7	10 $\bar{\phi}$ @175 C/C
T8	10 $\bar{\phi}$ @150 C/C
T9	10 $\bar{\phi}$ @125 C/C

- NOTES:-**
- ALL DIMENSIONS ARE IN mm
 - ALL CONCRETE MIX M25 UNLESS OTHERWISE SPECIFIED.
 - $\bar{\phi}$ INDICATES TOR STEEL YIELD STRENGTH 500 N/mm².
 - ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 - CLEAR COVER TO MAIN STEEL 20mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.
 - ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.
 - ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS.
 - ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8TOR @250C/C.
 - THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.
 - SLAB 100 TH EXCEPT MKD.
 - SLAB REINFORCEMENT NOT SHOWN SHALL BE (a) 8tor@150c/c EXTRA AT SUPPORT IN TOP LAYER. (b) 8tor@200c/c EXTRA AT SPAN IN BOTTOM LAYER.
 - TOP REINFORCEMENT SHOWN THUS
 - BOTTOM REINFORCEMENT SHOWN THUS
 - PROVIDE 2-10T@ EXT. IN TOP LAYER AND 2-10T@ EXT. IN BOTTOM LAYER BELOW 125 TH B/W IN SLAB WITHIN THE DEPTH OF SLAB.
 - REFER DRG.No. S-6 FOR BEAM DETAILS.

Suresh Prasad
MNA/STU/0024/2017
SURESH PRASAD
DRG.No. MNA/STU/0024/2017

REVISION No.	DATE	PARTICULARS	DRAWN	CKED	APPRD

PROJECT No. TITLE:-- ARRANGEMENT OF BEAMS & DETS. OF SLAB AT TYPICAL FLOOR Lv.

DRAWN BY WORK:-- PROPOSED ASHIANA SEHAR AT JSR 3BHK & CLUB HOUSE (BLOCK-B)

APPRD CLIENT:-- ASHIANA HOUSING LTD.

SCALE 1:50 ARCHITECT:-- B. SENGUPTA, BHIWADI

DT:24.03.2018 DRG.No. REV

S-5

SCON PRIVATE LIMITED
STRUCTURAL CONSULTANTS, CIVIL ENGINEERS
HOUSE NO.1-2/11, BESIDE SHIV TEMPLE
SOUTH SRIRKRISHNAPURI, PATNA-1
CONTACT: 9852-61528