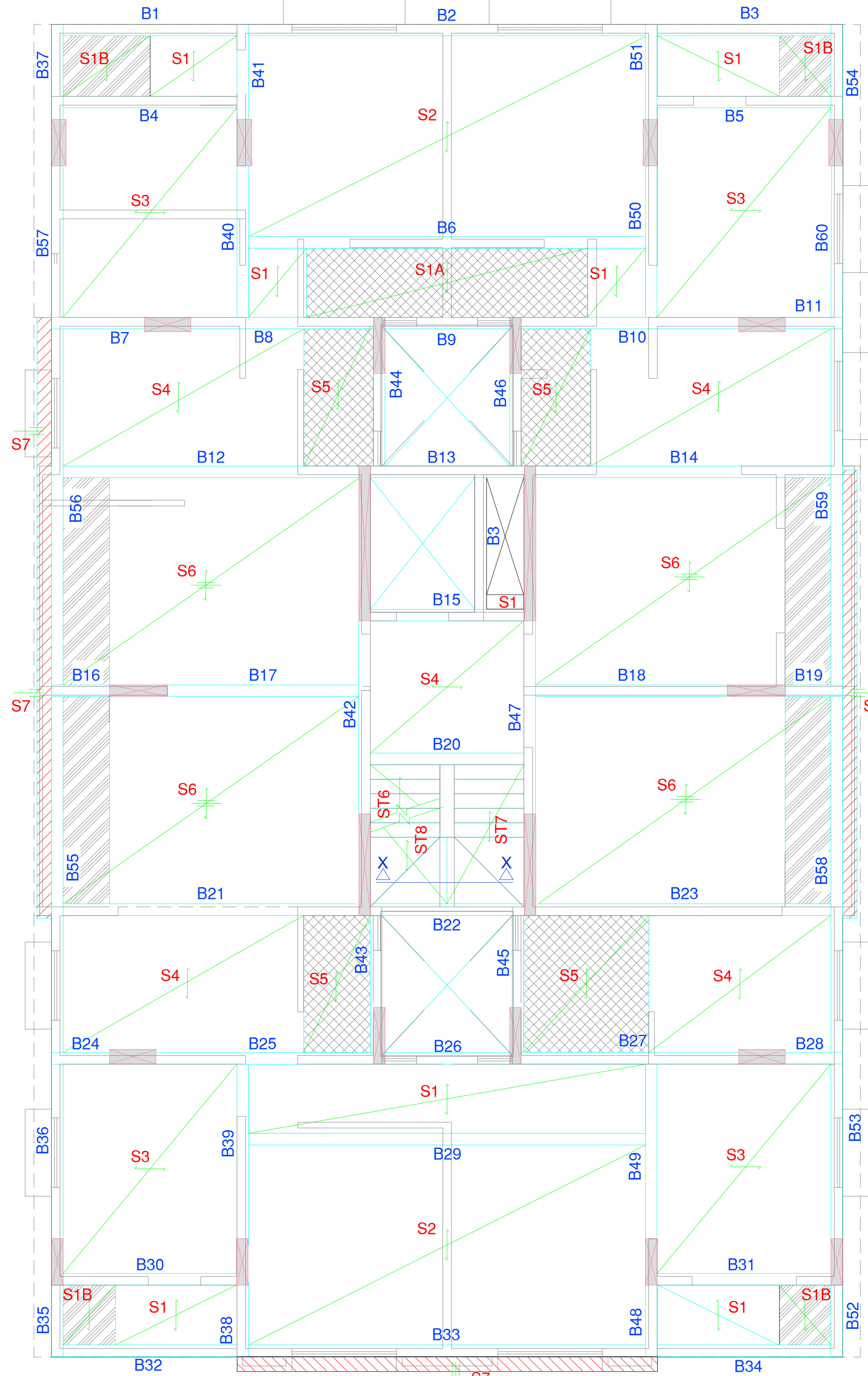
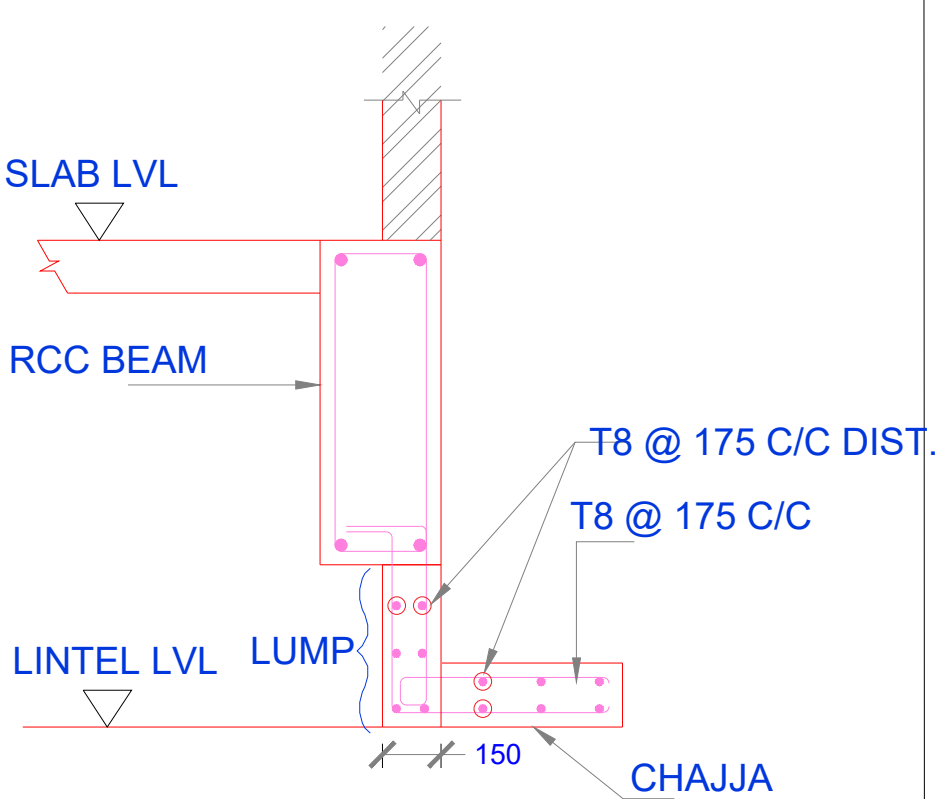




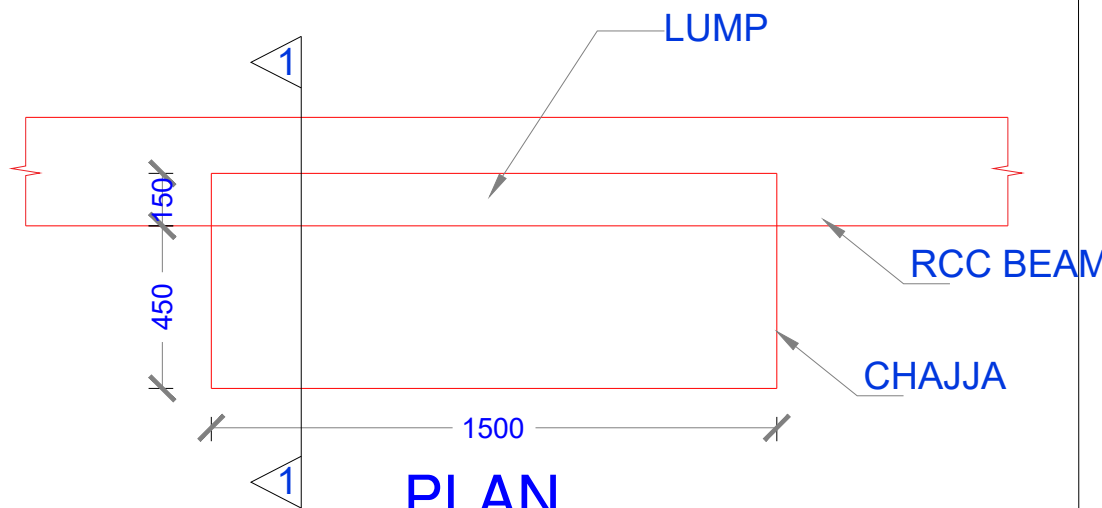
INDEX PLAN OF RCC 7th FLOOR SLAB

SCHEDULE OF RCC SLABS

SLAB NO	THK	STEEL ALONG SPAN	STEEL ACROSS SPAN	REMARKS
S1	115	T8 @ 200 C/C ALL STR	T8 @ 225 C/C DIST	-
S1A	115	T8 @ 200 C/C ALL STR	T8 @ 225 C/C DIST	SUNK BY 200mm
S1B	115	T8 @ 200 C/C ALL STR	T8 @ 225 C/C DIST	SUNK BY 150mm
S2	135	T8 @ 100 C/C ALT BENT UP	T8 @ 225 C/C DIST	-
S3	125	T8 @ 150 C/C ALT BENT UP	T8 @ 225 C/C DIST	-
S4	125	T8 @ 175 C/C ALT BENT UP	T8 @ 225 C/C DIST	-
S5	125	T8 @ 150 C/C ALT BENT UP	T8 @ 225 C/C DIST	SUNK BY 200mm
S6	125	T8 @ 125 C/C ALT BENT UP	T8 @ 200 C/C ALT BENT UP	-
S7	125	T8 @ 175 C/C ALT BENT BACK ALONG BOTTOM	T8 @ 175 C/C DIST. AT TOP AND BOTTOM	CANTILEVER SLAB @ BEAM TOP & BOTTOM
ST6,7,8	150	T10 @ 115 C/C ALT BENT UP	T8 @ 200 C/C DIST.	SCISSOR JOINT @ RESP. UPPER LANDING



SECTION 1-1



PLAN

TYP. DETAILS OF CHAJJA WITH DOWNWORD LUMP FOR WINDOW

LEGENDS:-

	SUNK BY 200mm
	SUNK BY 150mm

NOTES:

- Basic reference code:- IS 456: 2000
- Due care shall be taken to ascertain that requisite strength of concrete is gained before commencement of deshuttering. It shall comply with provisions of Clause No. 11.3 of IS 456: 2000.
- Nominal covers

	Mild	Moderate	Severe
I Footings	50	50	50
II Columns & walls >200mm width (to links of column)	40	40	45
III Columns & walls with width of 200mm & below having reinf. of dia. 16mm & above. (to links of column)	40	40	45
IV Columns & walls with width of 200mm & below having reinf. of dia. 12mm. (to links of column)	25	30	45
V Slabs	20	30	45
VI Beams (to stirrups of beam)	20	30	45
VII Lift walls	40	40	45

For main reinf. up to 12mm diameter bar for mild exposure,
the nominal cover may be reduced by 5mm for slabs & beams only.

- Beams with depth more than 750mm, provide side-face reinforcement.
- Substratum shall be approved from our office before laying P.C.C.
- Minimum clear spacing between any two longitudinal bars in beam= 50mm.
- All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section.
- Grade of reinf. M20 M25 M30 M35 M40 & ABOVE
- Fe415 48 X D 41 X D 38 X D 34 X D 30 X D
- Fe500 (TMT) 57 X D 49 X D 46 X D 40 X D 36 X D
- For bundled bars, Ld shall be increased by 10% for 2 bars in contact, 20% for 3 bars in contact and 33% for 4 bars in contact.
- All buildings shall have tie beams/plinth beams at ground/plinth level.
- If footings overlap with each other, necessary revision shall be obtained from our office.
- Design is valid for number of floors as indicated in the drawing.
- At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.
- For cantilevers, top bars to be anchored behind from external face of support for - Ld or span of cantilever - whichever is greater.
- Fire rating considered:- 1 Hour max.

Use of this drawing for construction shall explicitly confirm acceptance of following conditions by Owner / Builder / Contractor

- Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing and we shall not remain responsible for
 - Safety of old structure during demolition.
 - Safety of any adjoining building /persons staying in adjoining building/persons and properties on adjoining roads.
 - Safety of construction worker/any personnel at work site during construction
 - Correctness/safety of any temporary structure, scaffolding, shuttering, centering erected at site and any injury to any personnel arising out of any accidents.
 - Accidents occurring due to premature deshuttering, faulty / substandard construction material or workmanship / faulty construction procedure.
 - Any accident occurring due to construction of elements of buildings not designed by us.
- Supervision if specifically asked for will be provided to the extent of verification of reinforcement on site but responsibility regarding correct & sound construction shall solely rest with contractor/ builder / owner.
- All structural concrete should be weigh batched, machine mixed & mechanically vibrated.
- Any discrepancy between our drawing & Architects' drawing shall be brought to our notice before construction.

NO.	REV. DATE	DESCRIPTION	NO.	REV. DATE	DESCRIPTION
R0	17.09.2024	FOR APPROVAL	R5		
R1	.	.	R6	.	.
R2			R7	.	.
R3			R8	.	.
R4			R9	.	.

DRAWING IS VALID FOR CONSTRUCTION, PROVIDED IT IS SIGNED & STAMPED BY OUR OFFICE

GRADE OF CONCRETE:-	M25	DRG NO.=22.1213-371-0/1
GRADE OF STEEL:-	Fe500 TMT	
ENVIRONMENTAL EXPOSURE CONDITION:-	MILD	
DESIGN LIVE LOAD:- (UNLESS SPECIFIED)	2KN/M2	
SUPERIMPOSED DEAD LOAD:-	1KN/M2	