FOOTING SCHEDULE (M30:Fe550) (NOTE :- FOR NTA AREA SBC = 100T/SQ.M)

COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION					FOOTING REINFORCEMENT				SFR	REMARKS
							BOTTOM		TOP			
		STEP	L	B	D1	D2	ALONG B	ALONG L	ALONG B	ALONG L		
PC51	Pad	-	2000	1100	500	-	T12@150 C/C	T12@175 C/C	--	--	-	-
PC54	Pad	-	2350	1450	625	-	T16@200 C/C	T12@125 C/C	--	--	-	-
PC55	Pad	-	3200	2600	875	-	T16@175 C/C	T16@175 C/C	--	--	-	-
PC56	Pad	-	2500	1600	700	-	T16@200 C/C	T16@200 C/C	--	--	-	-
PC57	Pad	-	2600	1700	750	-	T16@175 C/C	T16@200 C/C	--	--	-	-
PC58	Pad	-	2650	1750	775	-	T16@175 C/C	T16@175 C/C	--	--	-	-
PC59	Pad	-	2750	1850	825	-	T16@150 C/C	T16@175 C/C	--	--	-	-
PC60	Pad	-	2700	1800	800	-	T16@175 C/C	T16@175 C/C	--	--	-	-
PC50	Pad	-	2350	1450	625	-	T16@200 C/C	T12@125 C/C	--	--	-	-
PC62	Pad	-	3100	2400	800	-	T16@200 C/C	T16@200 C/C	--	--	-	-
PC63	Pad	-	2400	1500	650	-	T16@200 C/C	T16@200 C/C	--	--	-	-
PC53	Pad	-	1950	1100	475	-	T12@125 C/C	T10@125 C/C	--	--	-	-
PC65	Pad	-	2100	1200	500	-	T12@125 C/C	T12@150 C/C	--	--	-	-
PC66	Pad	-	2650	1750	775	-	T16@175 C/C	T16@175 C/C	--	--	-	-
PC67	Pad	-	2450	1550	675	-	T16@200 C/C	T16@200 C/C	--	--	-	-
PC64	Pad	-	2700	1800	800	-	T16@150 C/C	T16@175 C/C	--	--	-	-
PC49	Pad	-	2500	1600	700	-	T16@175 C/C	T16@200 C/C	--	--	-	-
PC52	Pad	-	2200	1300	575	-	T12@125 C/C	T12@150 C/C	--	--	-	-
PC6A	Pad	-	2000	1100	525	-	T12@150 C/C	T12@175 C/C	--	--	-	-
PC69	Pad	-	2000	1100	500	-	T12@150 C/C	T12@175 C/C	--	--	-	-
PC2A	Pad	-	2300	1400	625	-	T16@200 C/C	T12@125 C/C	--	--	-	-
C28	Pad	-	2050	1600	525	-	T12@150 C/C	T12@175 C/C	--	--	-	-
PC5A	Pad	-	2050	1150	525	-	T12@125 C/C	T12@150 C/C	--	--	-	-
PC1A	Pad	-	2650	1750	775	-	T16@175 C/C	T16@175 C/C	--	--	-	-
PC70	Pad	-	2700	1800	800	-	T16@150 C/C	T16@175 C/C	--	--	-	-
PC72	Pad	-	2150	1250	550	-	T12@125 C/C	T12@150 C/C	--	--	-	-
PC9A	Pad	-	2000	1100	500	-	T12@150 C/C	T12@175 C/C	--	--	-	-
PC4A	Pad	-	2350	1450	650	-	T16@200 C/C	T16@200 C/C	--	--	-	-
PC3A	Pad	-	2600	1700	750	-	T16@175 C/C	T16@175 C/C	--	--	-	-
PC71	Pad	-	2250	1350	575	-	T12@125 C/C	T12@125 C/C	--	--	-	-
PC8A	Pad	-	2150	1250	550	-	T12@125 C/C	T12@150 C/C	--	--	-	-
PC16A	Pad	-	2450	1550	675	-	T16@200 C/C	T16@200 C/C	--	--	-	-
PC75	Pad	-	2300	1400	600	-	T12@125 C/C	T12@125 C/C	--	--	-	-

FOOTING SCHEDULE

COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION					FOOTING REINFORCEMENT				SFR	REMARKS
							BOTTOM		TOP			
		STEP	L	B	D1	D2	ALONG B	ALONG L	ALONG B	ALONG L		
F4	Pad	-	5425	1200	800	-	T20@175 C/C	T16@125 C/C	--	--	-	-
F5	Pad	-	2400	1100	650	-	T16@125 C/C	T16@125 C/C	--	--	-	-
F9	Pad	-	2700	1000	600	-	T16@150 C/C	T16@150 C/C	--	--	-	-
F7	Pad	-	2700	1050	625	-	T16@125 C/C	T16@125 C/C	--	--	-	-
F8	Pad	-	2750	1100	675	-	T16@125 C/C	T16@150 C/C	--	--	-	-
F6	Pad	-	5125	1200	775	-	T20@175 C/C	T16@125 C/C	--	--	-	-
F35-A	Pad	-	2400	900	500	-	T16@175 C/C	T12@125 C/C	--	--	-	-
F60	Pad	-	4600	850	575	-	T16@150 C/C	T16@175 C/C	--	--	-	-
F68	Pad	-	3500	950	575	-	T16@150 C/C	T16@150 C/C	--	--	-	-
F75	Pad	-	3550	1100	675	-	T16@125 C/C	T16@150 C/C	--	--	-	-
F69	Pad	-	2350	1150	600	-	T16@125 C/C	T16@150 C/C	--	--	-	-
F74	Pad	-	2150	1150	600	-	T16@125 C/C	T16@150 C/C	--	--	-	-

FOOTING SCHEDULE FOR INCLINED

COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION					FOOTING REINFORCEMENT				SFR	REMARKS
							BOTTOM		TOP			
		STEP	L	B	D1	D2	ALONG B	ALONG L	ALONG B	ALONG L		
E14	Pad	-	3250	1200	750	-	T16@125 C/C	T16@125 C/C	--	--	-	-
E9	Pad	-	5200	2200	1175	-	T20@150 C/C	T20@150 C/C	T10@225 C/C	T10@225 C/C	-	-
E5	Pad	-	3150	1100	675	-	T16@125 C/C	T16@125 C/C	--	--	-	-
E4	Pad	-	3250	1100	675	-	T16@125 C/C	T16@125 C/C	--	--	-	-
E3	Pad	-	1850	1000	575	-	T16@150 C/C	T16@150 C/C	--	--	-	-
E40	Pad	-	1900	900	475	-	T12@125 C/C	T12@125 C/C	--	--	-	-

SIGNATURE OF ARCHITECT ON RECORD:-

SIGNATURE & STAMP OF JW CONSULTANTS LLP:-

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

NOTES:

1. Basic reference codes:
   IS456: 2000
2. 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.
3. Nominal cover for structural elements:

		Mild	Moderate	Severe
I	Footings	50	50	50
II	Columns & walls with width 200mm & above (to column/wall links)	40	40	45
III	Wall width below 200mm (to wall links)	30	30	45
IV	Beams (to beam stirrups)	30	30	45
V	Slabs	25	30	45
VI	Lift & staircase walls (to links of column & wall)	40	40	45
VII	Staircase & Lift m/c room top and btm slabs	30	30	45

4. Beams with depth more than 750mm, provide side-face reinforcement.
5. Substratum shall be approved from our office before laying P.C.C.
6. Minimum clear spacing between any two longitudinal bars in beam= 50mm.
7. 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
Fe500	57 X D	49 X D	46 X D	40 X D	36 X D
Fe550D	68 X D	58 X D	50 X D	44 X D	40 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.
8. All buildings shall have tie beams/plinth beams at ground/plinth level.
9. If footings overlap with each other, necessary revision shall be obtained from our office.
10. Design is valid for number of floors as indicated in the drawing.
11. At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.
12. For cantilevers, top bars to be anchored behind from external face of support for - Ld or span of cantilever - whichever is greater.

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

1. Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing.
2. This drawing shall not be used for any construction unless necessary statutory approvals are obtained by the Owner / Builder / Architect from the Regulating Authorities. JW CONSULTANTS LLP are indemnified of any legal consequences in case of unauthorised construction.
3. We shall not remain responsible for -
   a)Safety of old structure during demolition.
   b)Safety of any adjoining building /persons staying in adjoining building/persons and properties on adjoining roads.
   c)Safety of construction worker/any personnel at work site during construction
   d)Correctness/safety of any temporary structure, scaffolding, shuttering, centering erected at site and any injury to any personnel arising out of any accidents.
   e)Accidents occurring due to premature deshuttering, faulty / substandard construction material or workmanship / faulty construction procedure.
   f)Any accident occurring due to construction of elements of buildings not designed by us.
4. 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.
5. All structural concrete should be weigh batched, machine mixed and mechanically vibrated.
6. Any discrepancy between our drawing & Architects' drawing shall be brought to our notice before construction.
7. This drawing is property of JW CONSULTANTS LLP and shall not be reproduced or used without explicit permission of this office.

DRAWING TO BE VALIDATED BY ARCHITECT ON RECORD AFTER CHECKING COMPLIANCE WITH APPROVED PLANS FROM THE REGULATING LOCAL GOVERNMENT AUTHORITY.

NO.	REV. DATE	DESCRIPTION	NO.	REV. DATE	DESCRIPTION
R0	30.03.2023	GFC	R5	.	.
R1	09.06.2023	GFC	R6	.	.
R2	.	.	R7	.	.
R3	.	.	R8	.	.
R4	.	.	R9	.	.

ENVIRONMENTAL EXPOSURE CONDITION :-	SEVERE	GRADE OF CONCRETE :-	M30-NTA M40-TOWER PORTION
DESIGN LIVE LOAD :- (UNLESS SPECIFIED)	-	GRADE OF STEEL :-	Fe - 550D (12mm Above) Fe - 500 (8mm & 10mm)
SUPERIMPOSED DEAD LOAD :-	-	S.B.C. :-	300 T/sq.m.

CHECKED BY	DEALT BY	DRAWN BY	DRG. NO.	BLDG:	JOB NO.
R.A.W.	S.G	Pranita	101060 -HORIZONTAL-112	HORIZONTAL	101060

DEVELOPER:- LODHA DEVELOPER

DESIGN ARCHITECT:- KAPADIA ASSOCIATES

ARCHITECT ON RECORD:- -

PROJECT:- ACME,LODHA

TITLE:- DETAILS FOR RCC COLUMN FOOTING

LLP IDENTITY NO.: AAA-2650
PARTNERSHIP WITH LIMITED LIABILITY

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