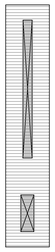
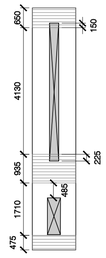


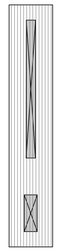
INDEX PLAN FOR COMBINED FOOTING
DETAIL "GG"
500 MM DEPTH



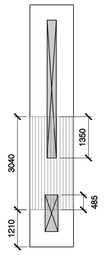
TOP BARS (1st LAYER)
X DIRECTION - T12 @ 150 c/c (Throughout)



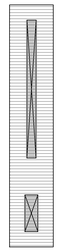
TOP BARS (2nd LAYER)
X DIRECTION - T12 @ 150 c/c (As Marked)



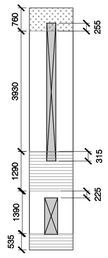
TOP BARS (1st LAYER)
Y DIRECTION - T20 @ 150 c/c (Throughout)



TOP BARS (2nd LAYER)
Y DIRECTION - T25 @ 150 c/c (As Marked)



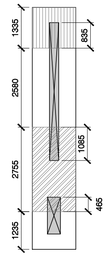
BOTTOM BARS (1st LAYER)
X DIRECTION - T12 @ 150 c/c (Throughout)



BOTTOM BARS (2nd LAYER)
X DIRECTION - T12 @ 150 c/c (As Marked)
X DIRECTION - T20 @ 150 c/c (As Marked)



BOTTOM BARS (1st LAYER)
Y DIRECTION - T16 @ 150 c/c (Throughout)



BOTTOM BARS (2nd LAYER)
Y DIRECTION - T16 @ 150 c/c (As Marked)
Y DIRECTION - T20 @ 150 c/c (As Marked)

INDEX PLAN FOR COMBINED FOOTING
DETAIL "HH"
500 MM DEPTH

TOP BARS (1st LAYER)
X DIRECTION - T12 @ 150 c/c (Throughout)

TOP BARS (2nd LAYER)
X DIRECTION - T12 @ 150 c/c (As Marked)

TOP BARS (1st LAYER)
Y DIRECTION - T20 @ 150 c/c (Throughout)

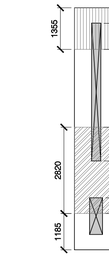
TOP BARS (2nd LAYER)
Y DIRECTION - T25 @ 150 c/c (As Marked)

BOTTOM BARS (1st LAYER)
X DIRECTION - T12 @ 150 c/c (Throughout)

BOTTOM BARS (2nd LAYER)
X DIRECTION - T12 @ 150 c/c (As Marked)
X DIRECTION - T20 @ 150 c/c (As Marked)



BOTTOM BARS (1st LAYER)
Y DIRECTION - T16 @ 150 c/c (Throughout)



BOTTOM BARS (2nd LAYER)
Y DIRECTION - T16 @ 150 c/c (As Marked)
Y DIRECTION - T20 @ 150 c/c (As Marked)

INDEX PLAN FOR COMBINED FOOTING
DETAIL "MM"
500 MM DEPTH

TOP BARS (1st LAYER)
X DIRECTION - T12 @ 175 c/c (Throughout)

TOP BARS (1st LAYER)
Y DIRECTION - T12 @ 175 c/c (Throughout)

BOTTOM BARS (1st LAYER)
X DIRECTION - T12 @ 175 c/c (Throughout)

BOTTOM BARS (1st LAYER)
Y DIRECTION - T12 @ 175 c/c (Throughout)

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
Fe415	48 X D	41 X D	38 X D	34 X D	30 X D
Fe500D	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.
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	06.04.2023	GFC	R5	.	.
R1	25.04.2023	GFC	R6	.	.
R2	.	.	R7	.	.
R3	.	.	R8	.	.
R4	.	.	R9	.	.

ENVIRONMENTAL EXPOSURE CONDITION :-	SEVERE	GRADE OF CONCRETE :-	M40
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	Apeksha	101060 -INCLINED-112-11	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
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design@jwconsultants.in

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