

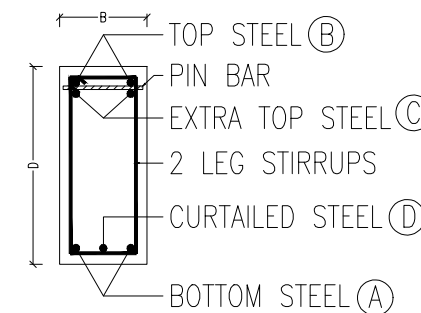
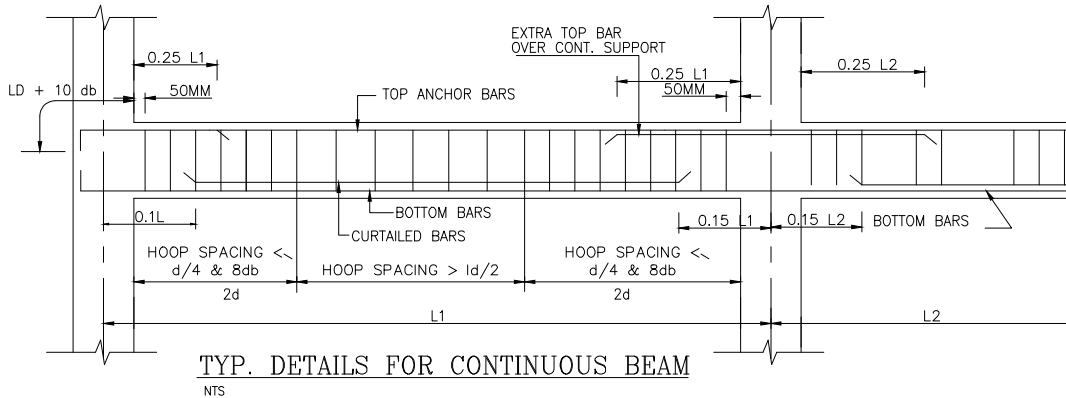
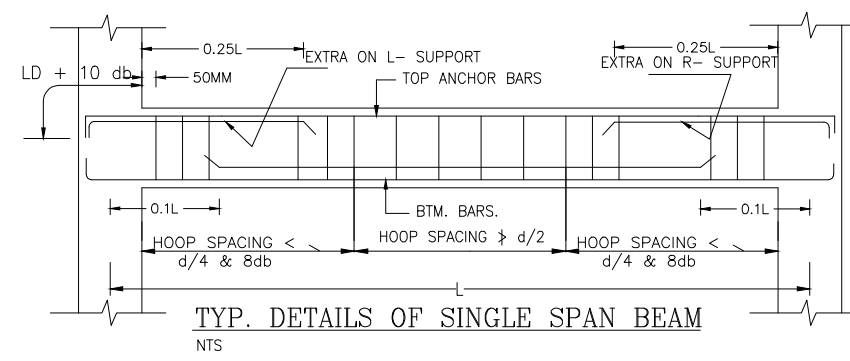
LAYOUT OF PLINTH BEAM

SCHEDULE OF PLINTH BEAMS

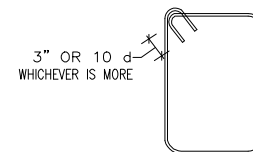
BEAM NOS.	SIZE	BOTTOM REIN.		TOP REIN.	EXTRA TOP OVER		SHEAR REINFORCEMENT		REMARK
		FULL LENGTH	CURTAILED @ L/7		CONTINUOUS SUPPORT	END SUPPORT	NEAR SUPPORT	AT MID SPAN	
PB 1, 2, 3, 4, 5, 6, PB 35, 39, 40.	230 x 450	2-12	1-10	2-10	1-12	1-12	8 @ 125 C/C	8 @ 200 C/C	
PB 7, 8.	230 x 450	2-12	2-10	2-10	1-12	1-12	8 @ 125 C/C	8 @ 200 C/C	
PB 9, 11, 12, 14, 15, PB 17, 19, 30, 31, 34.	230 x 450	2-12	2-10	2-10	----	----	8 @ 125 C/C	8 @ 200 C/C	
PB 10.	230 x 380	2-12	----	2-12	----	----	8 @ 150 C/C	8 @ 150 C/C	
PB 13.	230 x 450	2-12	1-12	2-10	1-12	----	8 @ 115 C/C	8 @ 175 C/C	
PB 18, 16.	230 x 450	2-12	2-12	2-10	1-12	----	8 @ 125 C/C	8 @ 175 C/C	STARTER BEAM
PB 20, 22.	230 x 450	2-12	2-12	2-10	1-12	1-12	8 @ 125 C/C	8 @ 175 C/C	
PB 21, 25, 28, 32, 38, PB 42.	230 x 450	2-12	2-10	2-10	1-12	1-12	8 @ 125 C/C	8 @ 200 C/C	
PB 23.	230 x 450	2-12	2-10	2-10	----	----	8 @ 125 C/C	8 @ 175 C/C	
PB 24, 27, 41.	230 x 450	2-16	2-10	2-10	1-12	----	8 @ 100 C/C	8 @ 175 C/C	
PB 26.	230 x 450	3-16	2-12	2-10	1-12	1-12	8 @ 100 C/C	8 @ 150 C/C	
PB 29, 33.	230 x 450	2-12	2-10	2-10	1-12	----	8 @ 125 C/C	8 @ 200 C/C	
PB 36.	230 x 450	2-12	1-12	2-10	1-12	----	8 @ 125 C/C	8 @ 150 C/C	
PB 37.	230 x 450	2-16	1-10	2-10	1-12	----	8 @ 125 C/C	8 @ 175 C/C	
MB.	230 x 600	2-16	2-16	2-12	----	2-12	8 @ 100 C/C	8 @ 150 C/C	CRANCKED BEAM AT MIDLANDING LEVEL

SCHEDULE OF STAIRCASE SLAB

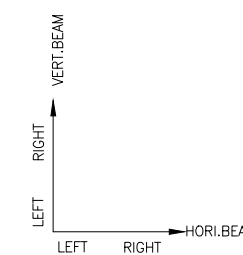
SLAB TYPE	SLAB Thk.	REINFORCEMENT ALONG		REMARK
		ALONG SPAN	ACROSS SPAN	
ST1, 2	150	10 @ 100 c/c	8 @ 150 c/c (DIST.)	STARCASE SLAB



2 LEG BEAM DETAIL



TYPICAL STIRRUPS DETAIL IN BEAM/COLUMN



SIGN CONVENTION FOR BEAM SUPPORTS

FLOOR DESIGNED FOR LIVE LOAD	200 KG/M <sup>2</sup>
GRADE OF CONCRETE	M25
GRADE OF STEEL	Fe 500
ENV. EXPOSURE CONDITION	MODERATE

REVISION HISTORY

REVISION	REVISION DISCRPTION	DATE

NOTES: FOR CONCRETE WORKS

- ALL GRADE OF CONCRETE SHALL BE M25 AND REINFORCEMENT SHALL BE Fe500.
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS.
- UNLESS OTHERWISE SPECIFIED, CLEAR COVER TO REINFORCEMENT

STRUCTURAL ELEMENTS	BOTTOM/TOP COVERS	SIDE COVERS
FOOTINGS / RAFTS	50 mm	50 mm
COLUMNS	-----	40 mm
SHEAR / LIFT WALL	-----	25 mm
BEAMS	25 mm	25 mm
SLAB	15 mm	15mm
RETAINING WALL	-----	30 mm

- ALL LAP SHALL BE WITHIN THE MIDDLE HALF OF COLUMN HEIGHT AND SHALL BE STAGGERED.
- COLUMN TIES SHALL ALSO BE PROVIDED WITHIN THE BEAM DEPTH OF COLUMN HEIGHT.
- IN ALL CASES COLUMN TIES TO BE PRESENT WITHIN FOOTING DEPTH.
- FOR TANKS AND RETAINING WALL, BACK FILLING SHALL NOT BE DONE UNLESS AND UNTIL TOP SUPPORTING SLABS ARE CAST AND CURED.

UNLESS OTHERWISE SPECIFIED, DEVELOPMENT LENGTH FOR Fe415

GRADE OF CONCRETE	M20	M25	M30	M35	M40
DEVELOPMENT LENGTH (Ld)	48D	41D	38D	34D	30D

UNLESS OTHERWISE SPECIFIED, DEVELOPMENT LENGTH FOR Fe500

GRADE OF CONCRETE	M20	M25	M30	M35	M40
DEVELOPMENT LENGTH (Ld)	57D	49D	46D	40D	36D

- THIS DRAWING TO BE READ ALONG WITH RELEVANT ARCH. DRAWINGS.
- THIS DRAWING NOT TO BE SCALED. WRITTEN DIMENSIONS IS TO BE FOLLOWED.
- ANY DISCREPANCY FOUND IN THE DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF THE WORK.

ARCHITECT:

ER. MOHAN PUNDLIK GOKHALE

OWNER:

MRS. SUMAN SATISH NANGARE

PROJECT:

PROPOSED BUILDING ON R. S. NO. 11/1, PLOT NO. 14, KASABA BAWADA, KOLHAPUR.

STRUCTURAL CONSULTANT:

SAHYADRI CONSULTANTS

Civil & Structural Consultants

Office No. 201, 2nd Floor, Kedar Empire, Karve Road, Pune.

SHEET CONTENTS:

LAYOUT & DETAILS OF PLINTH BEAM

DRAWING No.: 02

SCALE:	JOB No.:	DRAWN BY:	REVISION:
N.T.S		AA	RO
STATUS:	DATE:	CHECKED BY:	
FOR ESTIMATE PURPOSE ONLY	18/05/2024	VI	

THIS DRAWING IS THE SOLE PROPERTY OF SAHYADRI CONSULTANTS. USE OF THIS DRAWING FOR ANY PURPOSE OTHER THAN MENTIONED TO BE DONE ONLY AFTER PRIOR WRITTEN APPROVAL.