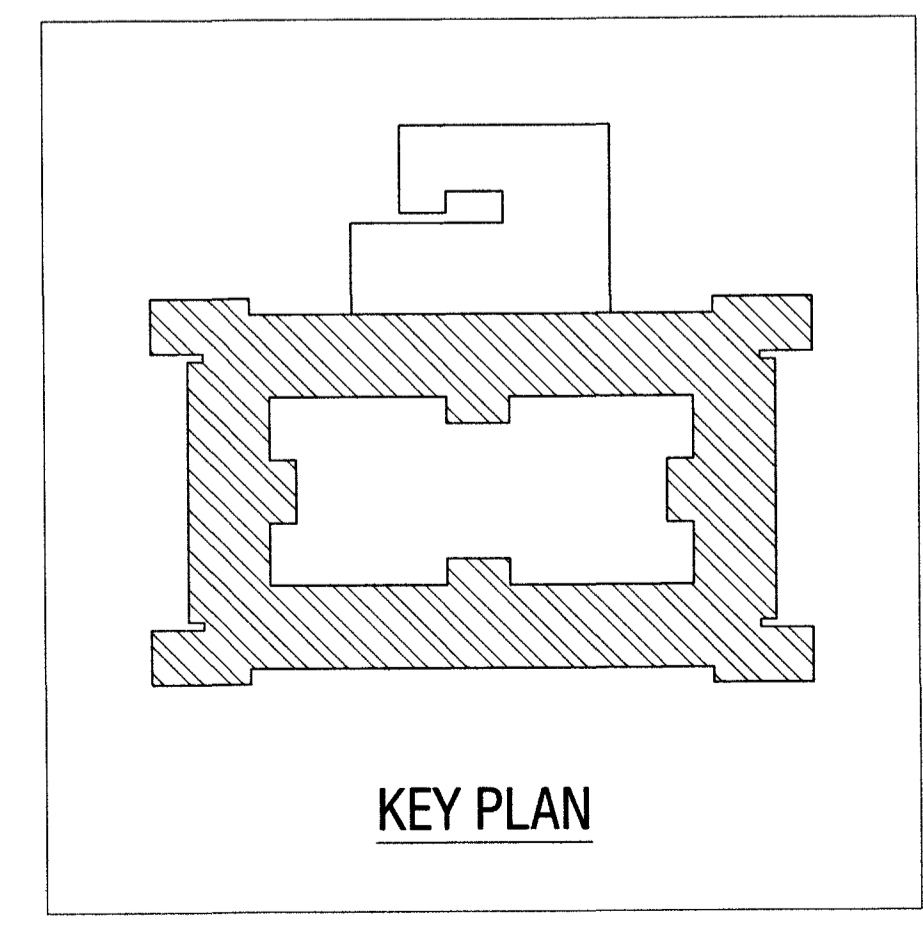


LAYOUT OF FOUNDATION



KEY PLAN

REFERENCE DRAWINGS:-

SL. NO.	DRAWING No.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

- NOTES:-**
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 - THE FOUNDATION HAS BEEN DESIGNED FOR THE SBC OF 25 T/m² AT A DEPTH OF 3.00 M (MINIMUM) BELOW THE NATURAL GROUND LEVEL. EXECUTIVES SHALL VERIFY THE SAME BEFORE EXECUTION OF THE WORK.
 - FOR GEO-TECHNICAL INVESTIGATION REPORT, REFER REPORT PREPARED BY "VEGETECH EXPERTS", HAVING REPORT NO. "VGE0/ANG/GI/00349(B)", DATED- 09-09-2025
 - WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED

Dr. Gaurang R. Vesmawala / Professor
 સુવર્ણ / ગોપીચંદ્ર વેસ્મવાલ
 Department of Civil Engineering
 સુવર્ણ ઈ. એ. સી., સુરત / SVNIT, Surat

Check & Found O.K.

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT: **HIERARCHY STRUCTURES**

1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090
 E-mail : hierarchy.structure.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**

SHEET NO. 05 / 16

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **LAYOUT OF FOUNDATION - 2**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
REVISION NO:	R0

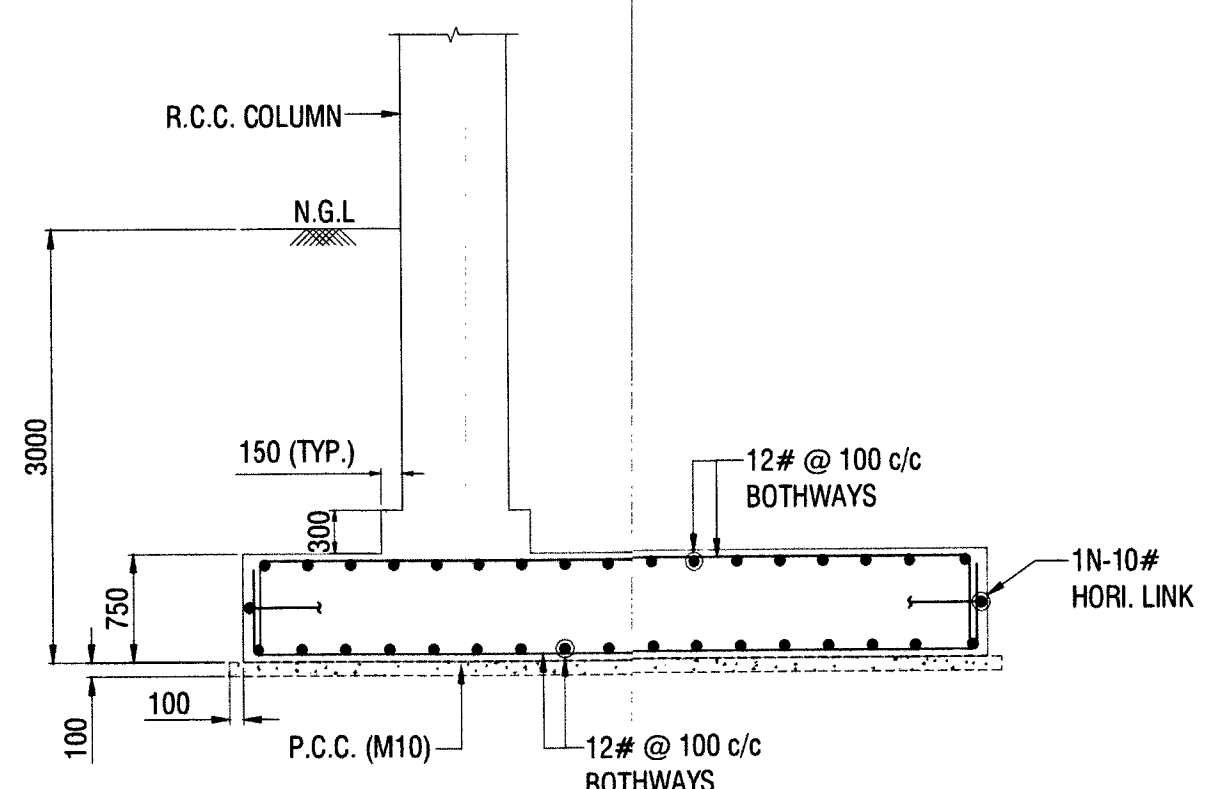
DATE :- 10/04/2026 SIGNATURE OF CONSULTANT

REF. DRG. NO :- CGP2/2020/ANA/STR/04 (A)

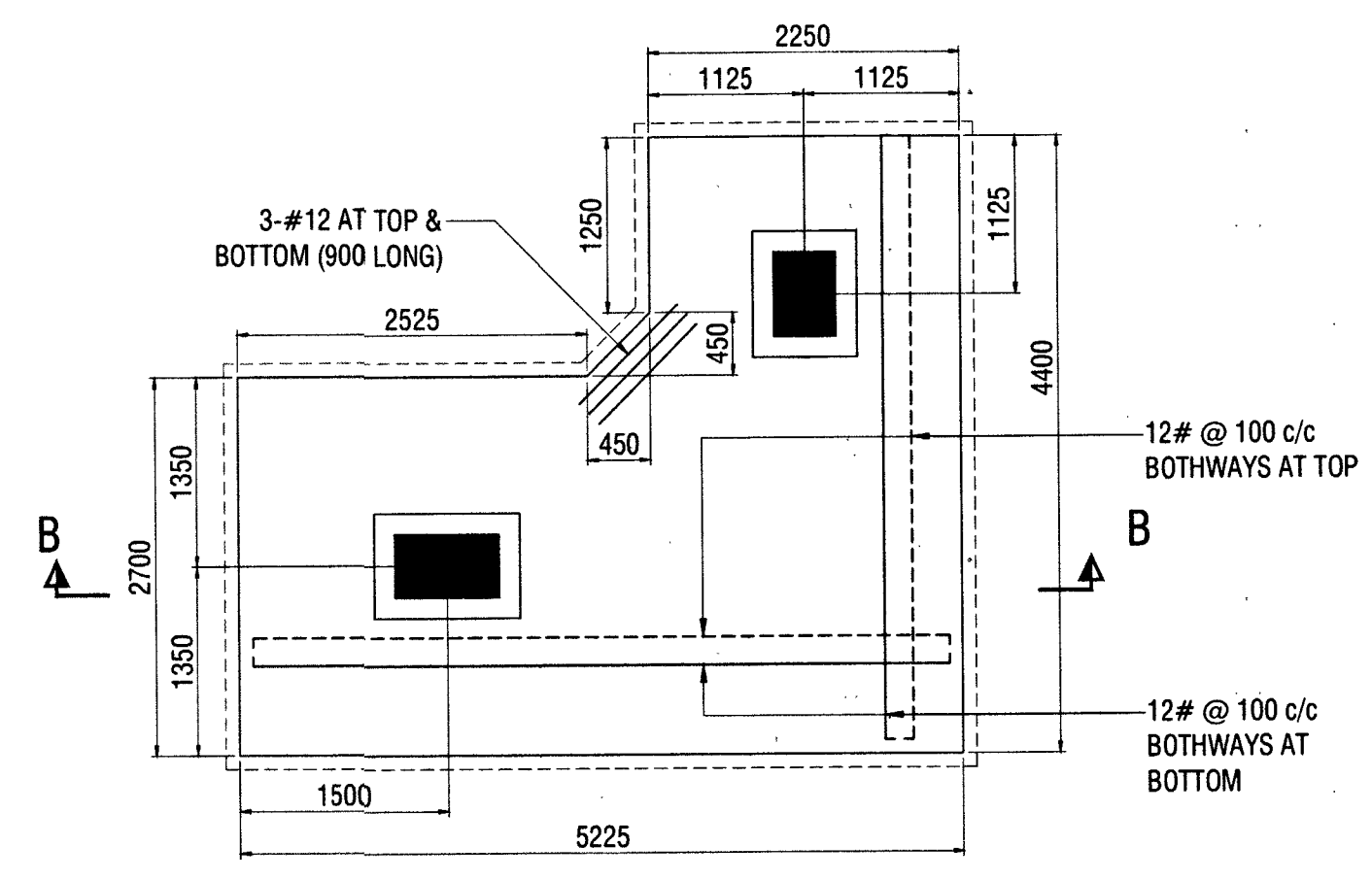
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

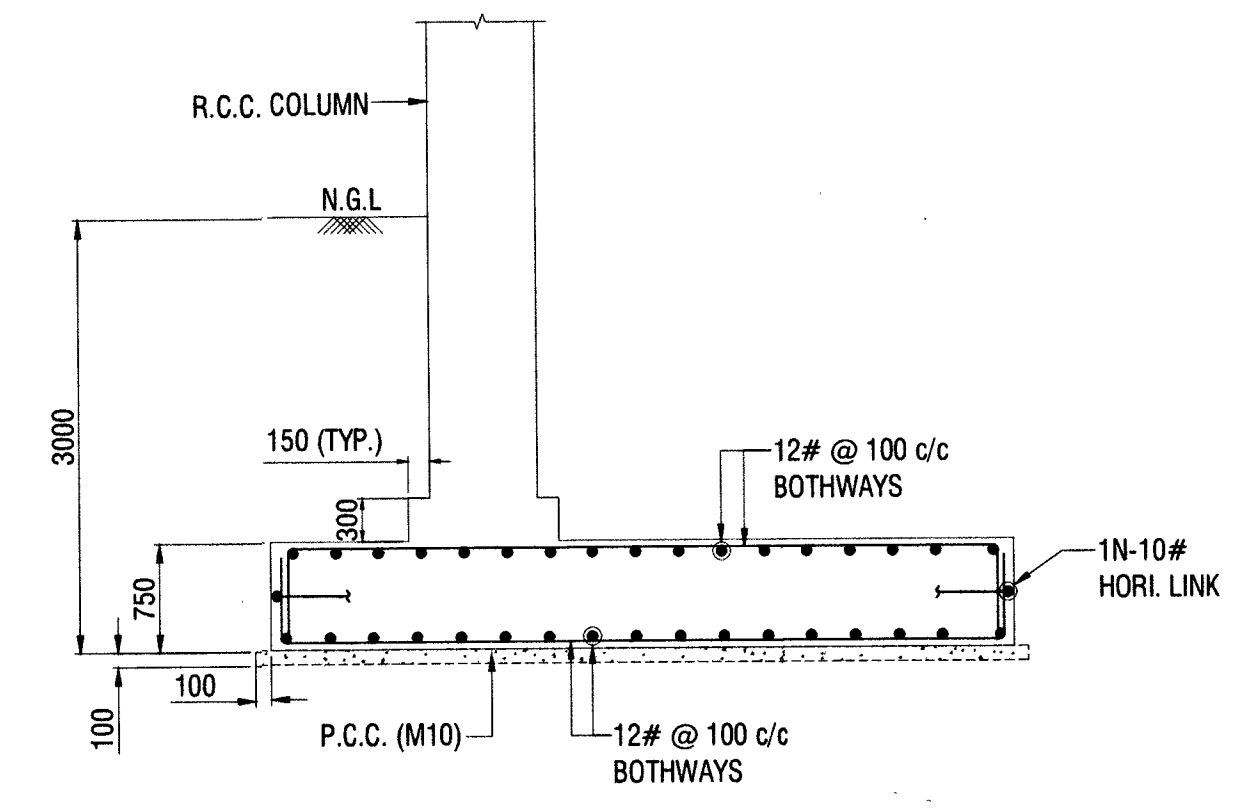
Signature of Design: **Asymis**
 DIR (DESIGN)



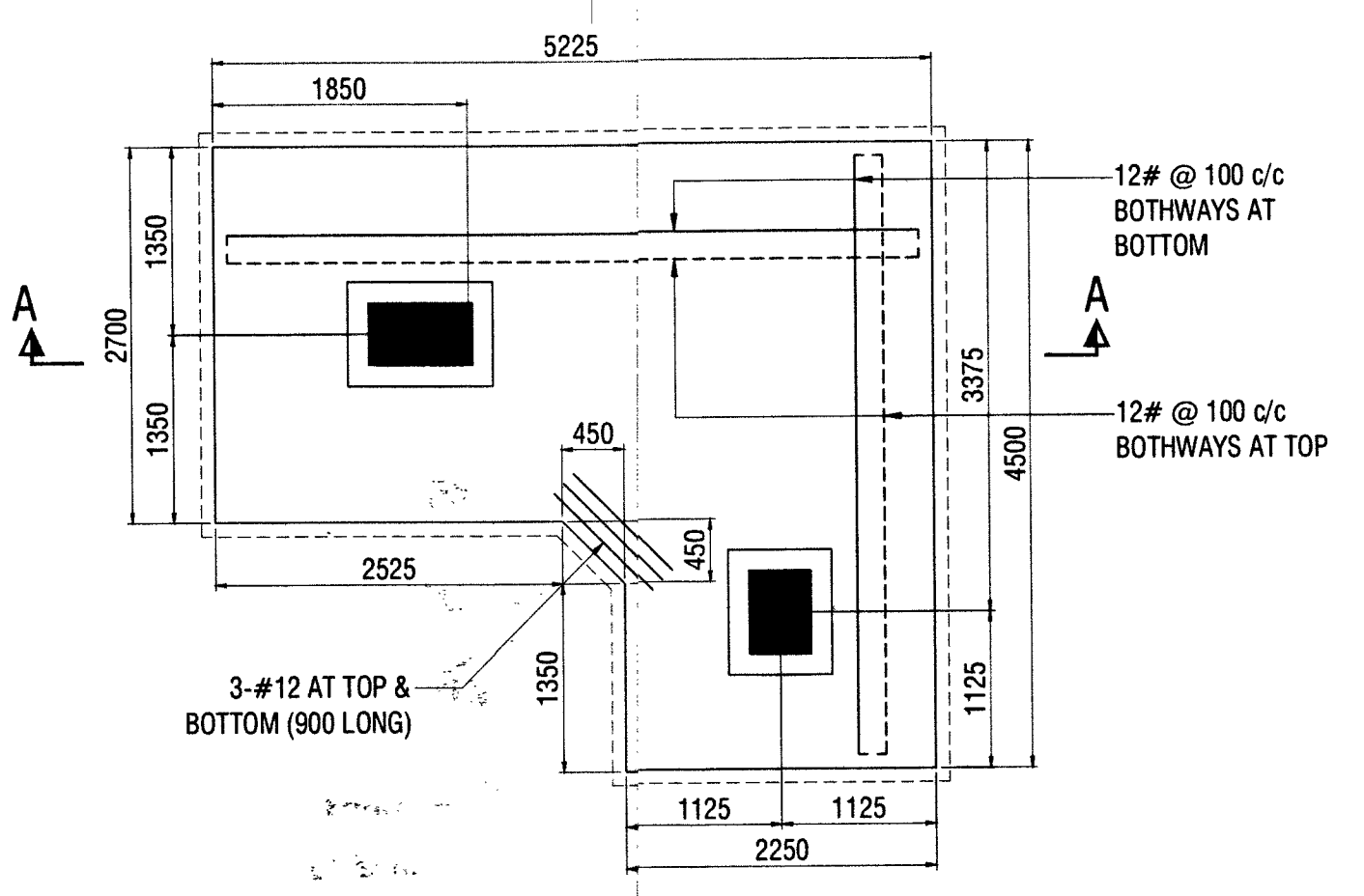
SECTION A - A



PLAN
DETAILS OF FOOTING MKD. CF12 (AS DRAWN)
DETAILS OF FOOTING MKD. CF12A (MIRROR OF CF12)



SECTION B - B



PLAN
DETAILS OF FOOTING MKD. CF1 (AS DRAWN)
DETAILS OF FOOTING MKD. CF1A (MIRROR OF CF1)

FOOTING SCHEDULE

FOOTING NO.	FOOTING SIZE B x L	FOOTING THICKNESS d	PEDESTAL DEPTH D	FOUNDATION DEPTH Df	REINFORCEMENT PARALLEL TO "L"		REINFORCEMENT PARALLEL TO "B"		REMARKS
					BOTTOM	TOP	BOTTOM	TOP	
F1	2100 X 2250	400	700	3000	12# @ 150 c/c	-	12# @ 150 c/c	-	
F2	2400 X 2700	500	800	3000	12# @ 125 c/c	-	12# @ 125 c/c	-	
F3	1800 X 2100	450	750	3000	12# @ 150 c/c	-	12# @ 150 c/c	-	
F4	1500 X 1500	375	675	3000	12# @ 150 c/c	-	12# @ 150 c/c	-	
F5	2250 X 2250	500	800	3000	12# @ 125 c/c	-	12# @ 125 c/c	-	
F6	2100 X 2400	600	900	3000	12# @ 125 c/c	-	12# @ 125 c/c	-	
F7	2700 X 3000	675	975	3000	12# @ 100 c/c	10# @ 100 c/c	12# @ 100 c/c	10# @ 100 c/c	
F8	2250 X 2550	600	900	3000	12# @ 125 c/c	10# @ 125 c/c	12# @ 125 c/c	10# @ 125 c/c	
F9	2550 X 2700	675	975	3000	12# @ 100 c/c	10# @ 100 c/c	12# @ 100 c/c	10# @ 100 c/c	
F10	2250 X 2250	600	900	3000	12# @ 125 c/c	10# @ 125 c/c	12# @ 125 c/c	10# @ 125 c/c	
CF1 / CF1A	AS PER PLAN				AS PER DETAIL				
CF2	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF3	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF4	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF5	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF6	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF7 / CF7A	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF8 / CF8A	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF9 / CF9A	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF10 / CF10A	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF11	AS PER PLAN	675	975	3000	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	12# @ 100 c/c	
CF12 / CF12A	AS PER PLAN				AS PER DETAIL				

REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
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- WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED



Check & Found O.K.

Professor
Department of Civil Engineering
S.V.N.I.T., Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT: **HIERARCHY STRUCTURES**
 1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090
 E-mail : hierarchy.structure.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**
 SHEET NO. 06 / 16

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **DETAILS OF COMBINED FOOTING MKD AS CF1, CF12 & FOOTING SCHEDULE**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
REVISION NO:	RO

DATE :- 10/04/2025 SHEET NO.

REF. DRG. NO :- C5P2/2025/AN/STR/04(B)

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNT COLLEGE SURAT.
 DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W/PPC DATED 02 JUN 2017.

DIR (DESIGN)

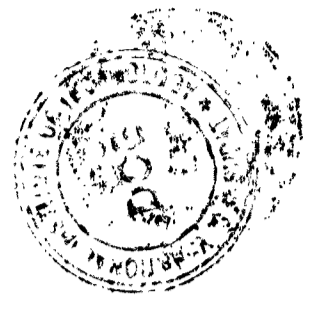
REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 OF 05 OF 05	STRUCTURAL TYPICAL DETAILS

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- COLUMN MARKED STOP AT THIS LEVEL.

CHECKED & VETTED



Check & Found O.K.

Yashraj / Professor
 Director & Faculty In-charge
 Department of Civil Engineering
 RAJAWADE COLLEGE OF ENGINEERING
 RAJAWADE, S.V.N.I.T., SURAT

REVISION NO. DATE DESCRIPTION SIGNATURE

CONSULTANT:
HIERARCHY STRUCTURES
 1225 E WARD, FLAT NO. C-101, NAGESHVAR HEIGHTS
 APT. RAJARAMPURI 2ND LANE, KOLHAPUR - 416 008
 (M) +91 97640 60090
 E-mail : hierarchy_structures.gov@gmail.com

CLIENT:
CHIEF ENGINEER PUNE ZONE

NAME OF PROJECT :- **PROVIN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

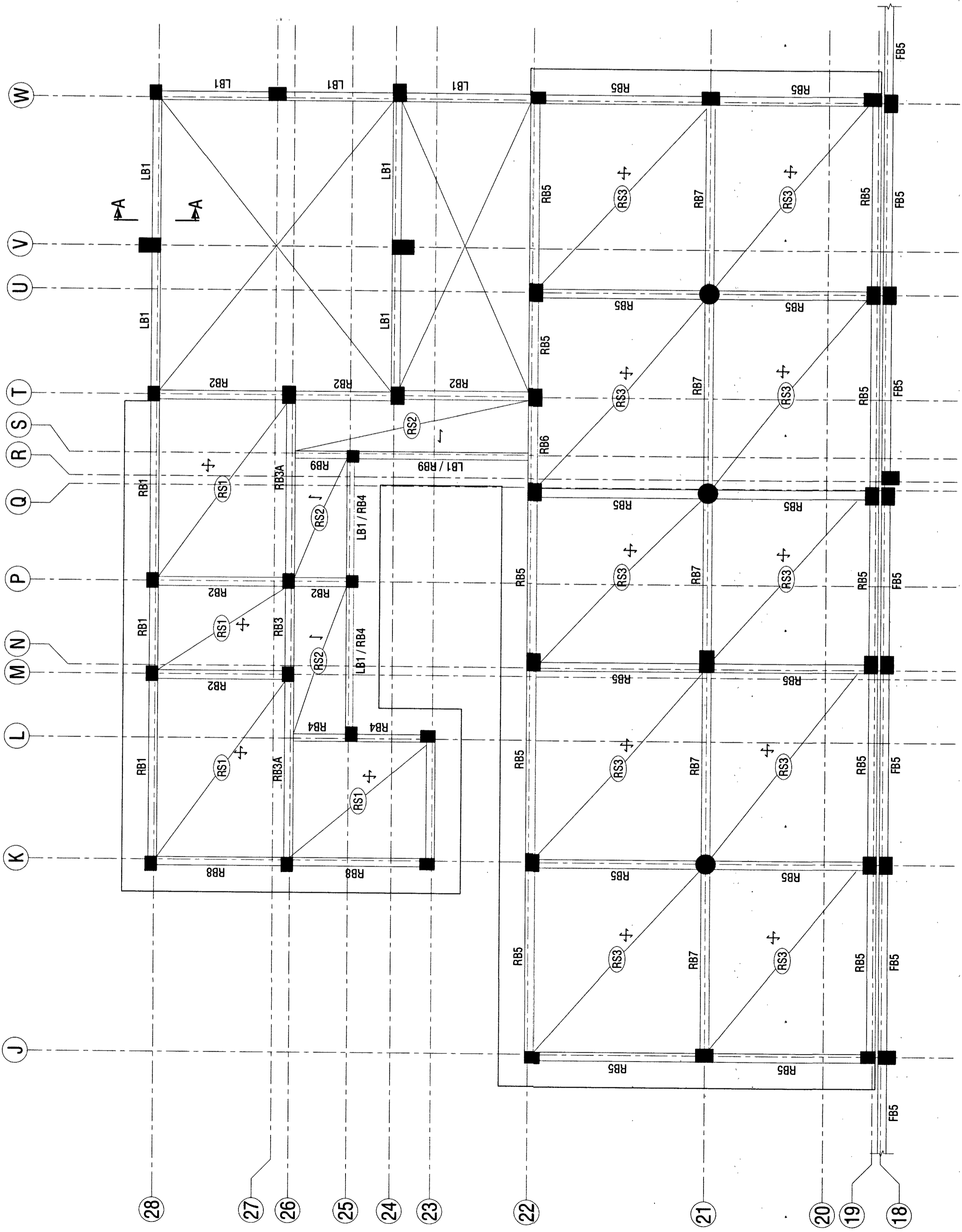
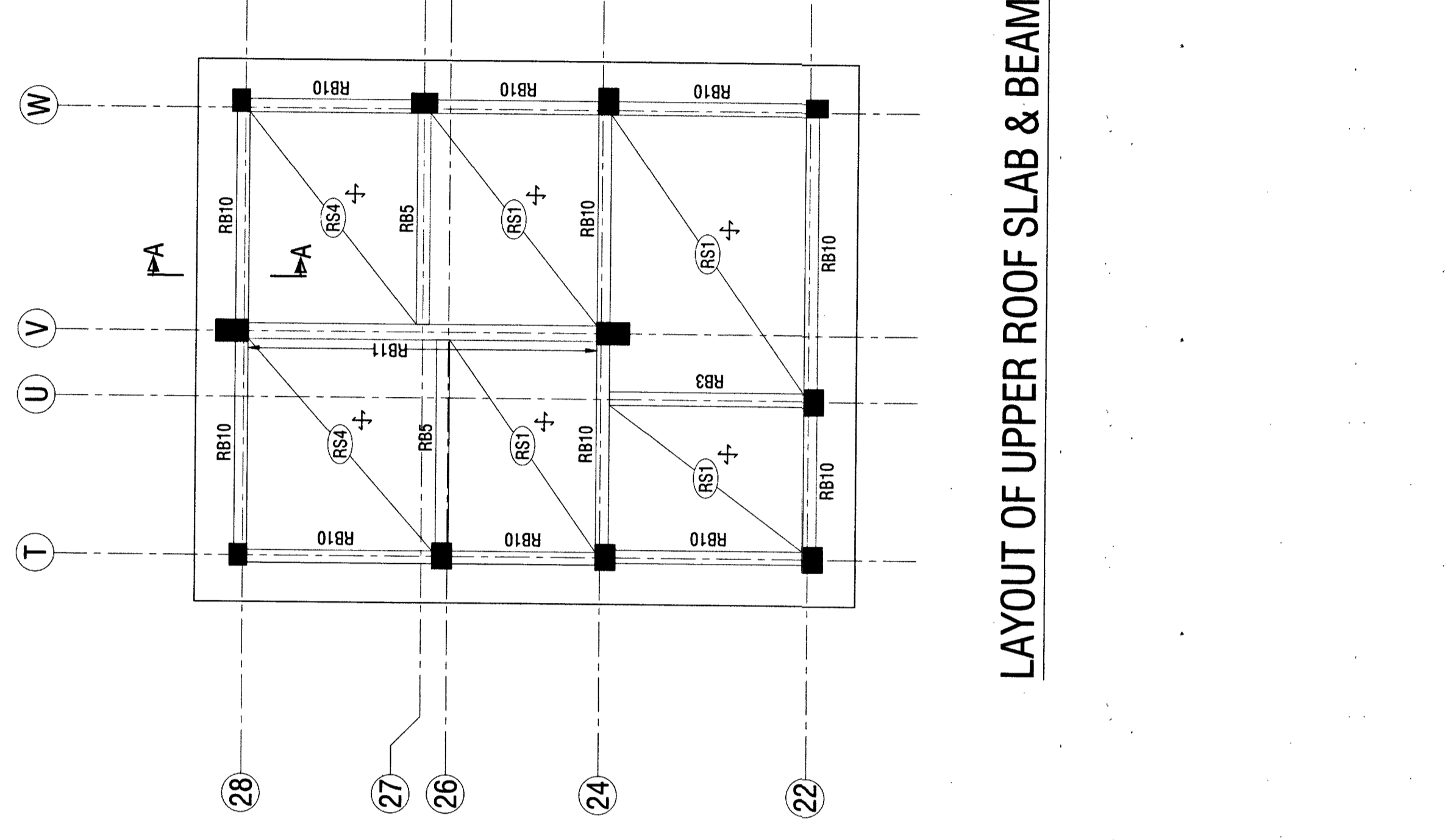
SHEET TITLE :- **LAYOUT OF FIRST FLOOR SLAB & BEAM - 1**

PROJECT NO.:- 2025-26 / 034	DRG NO.:- HS/2025-26/STR/034 - B
DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
SIGNATURE OF CONSULTANT	REVISION NO.:
DATE :- 10/04/2024	SHEET NO.:
REF. DRG. NO. :- C/EP/2020/ANW/STR/04/13	

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVIT COLLEGE SURAT.
 DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POJ/2W/PPC) DATED 02 JUN 2017.

Ashwin
 DIR (DESIGN)


LAYOUT OF UPPER ROOF SLAB & BEAM



REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

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- COLUMN MARKED  STOP AT THIS LEVEL.

CHECKED & VETTED



Check & Found O.K.

Dr. Gaurang H. Vesnawala
 Associate Professor,
 Department of Civil Engineering,
 SVNIT, Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:
HIERARCHY STRUCTURES
 1225 'E' WARD, FLAT NO: C-101, NAGESHWAR HEIGHTS
 APT., RAJARAMPURI 2ND LANE, KOLHAPUR - 416 008
 (M) +91 97840 60090
 E-mail: hierarchy.structures.gov@gmail.com

CLIENT:
CHIEF ENGINEER PUNE ZONE
 SHEET NO. 11

NAME OF PROJECT:- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING:- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE:- **LAYOUT OF FIRST FLOOR SLAB & BEAM - 2**

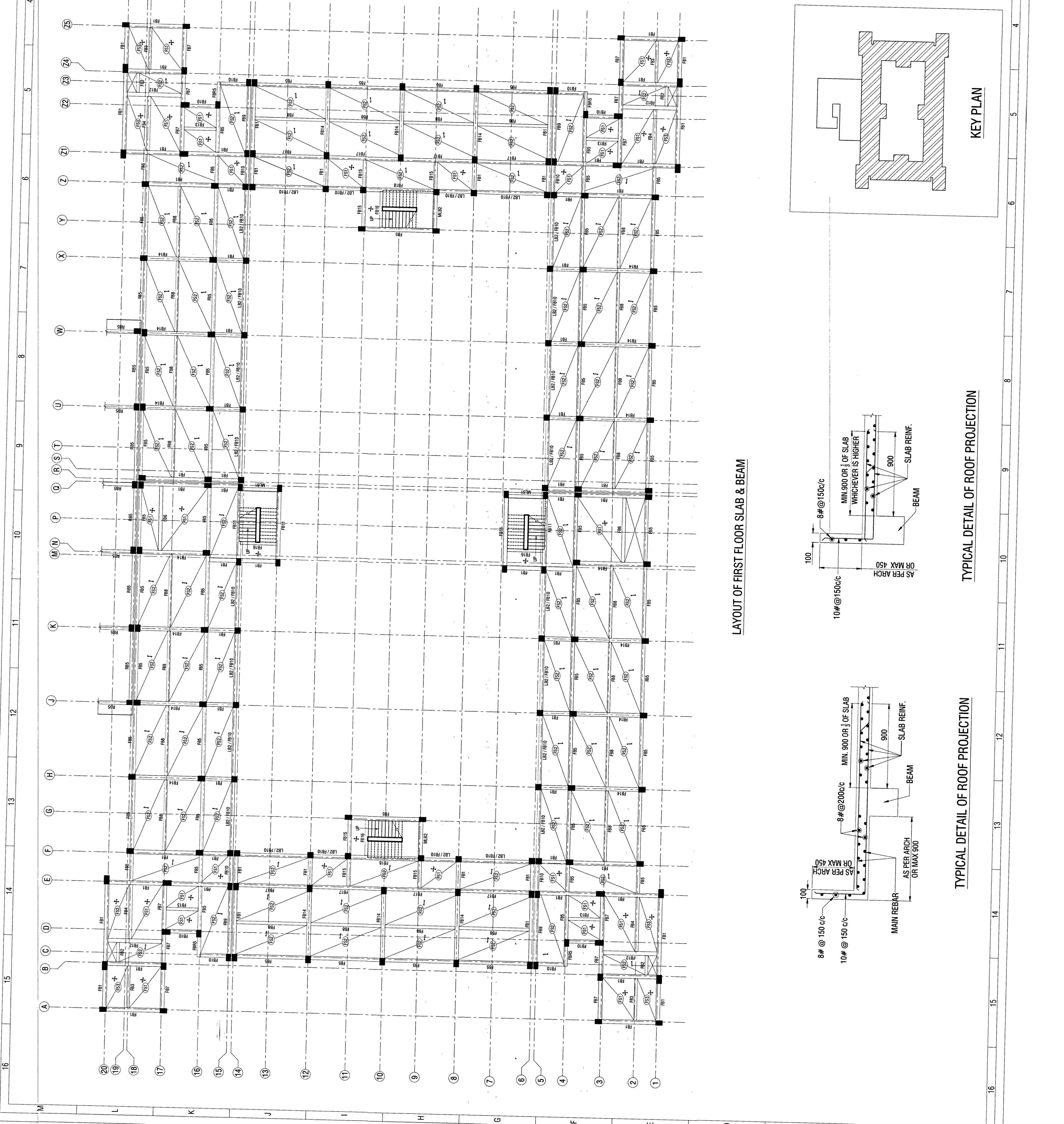
PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	DESIGNED BY	REVIEWED BY	SCALE	DATE	REVISION NO.	SHEET NO.
SB	AS	BT	NTS	15-03-2026	RO	11

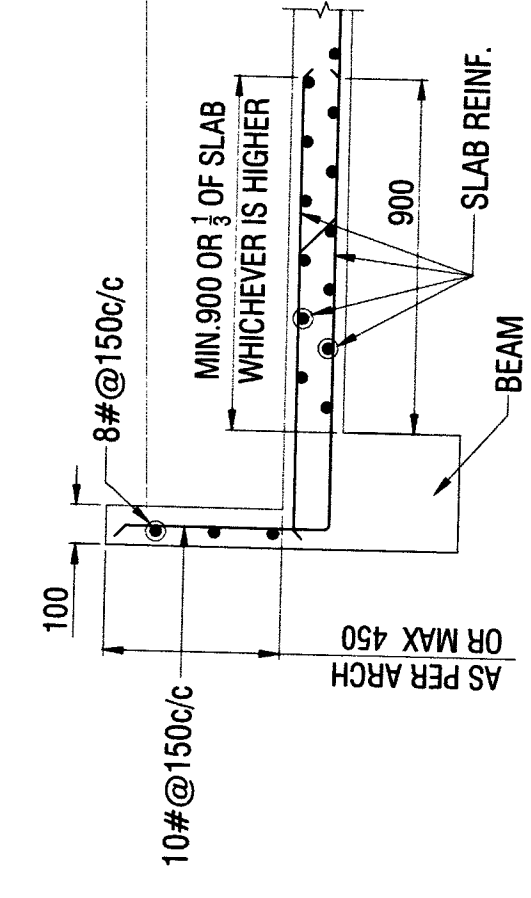
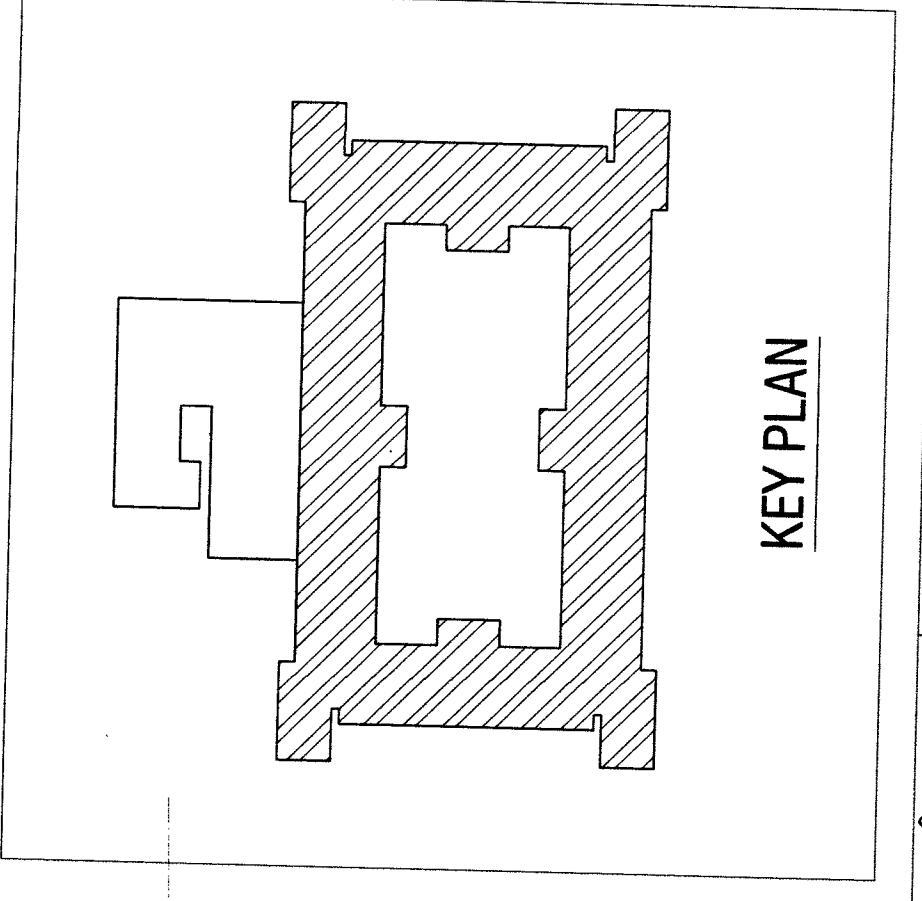
SIGNATURE OF CONSULTANT
 DATE:- 10/09/2026
 REF. DRG. NO:- C696/2024/AN/514/06/05

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG H. VESNAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.
 DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A.00157/23-1/POL/2W/PPC) DATED 02 JUN 2017.

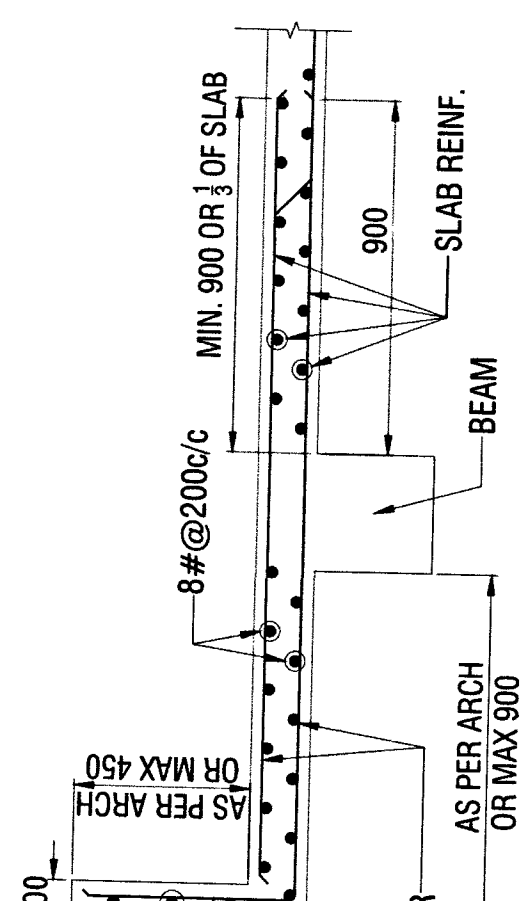
Asjima
 DIT (DESIGN)



LAYOUT OF FIRST FLOOR SLAB & BEAM



TYPICAL DETAIL OF ROOF PROJECTION




TYPICAL DETAIL OF ROOF PROJECTION

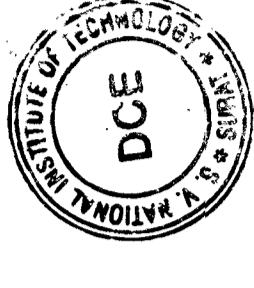
REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

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- COLUMN MARKED *  STOP AT THIS LEVEL.

CHECKED & VETTED



Check & Found OK
 Dr. Gaurang R. Veshawala
 Department of Civil Engineering
 NIT Surat, Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:

HIERARCHY STRUCTURES
 1225 'E' WARD, FLAT NO. C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail: hierarchy.structure@gmail.com

CLIENT:

CHIEF ENGINEER PUNE ZONE


NAME OF PROJECT :- PROV. OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE

NAME OF BUILDING :- SINGLE MEN BARRACKS FOR 250 AGNIVEERS

SHEET TITLE :- LAYOUT OF ROOF BEAM & SLAB - 2

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

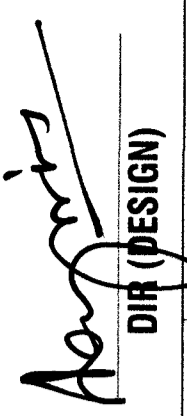
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SB	AS	BT	NTS	15-03-2028		

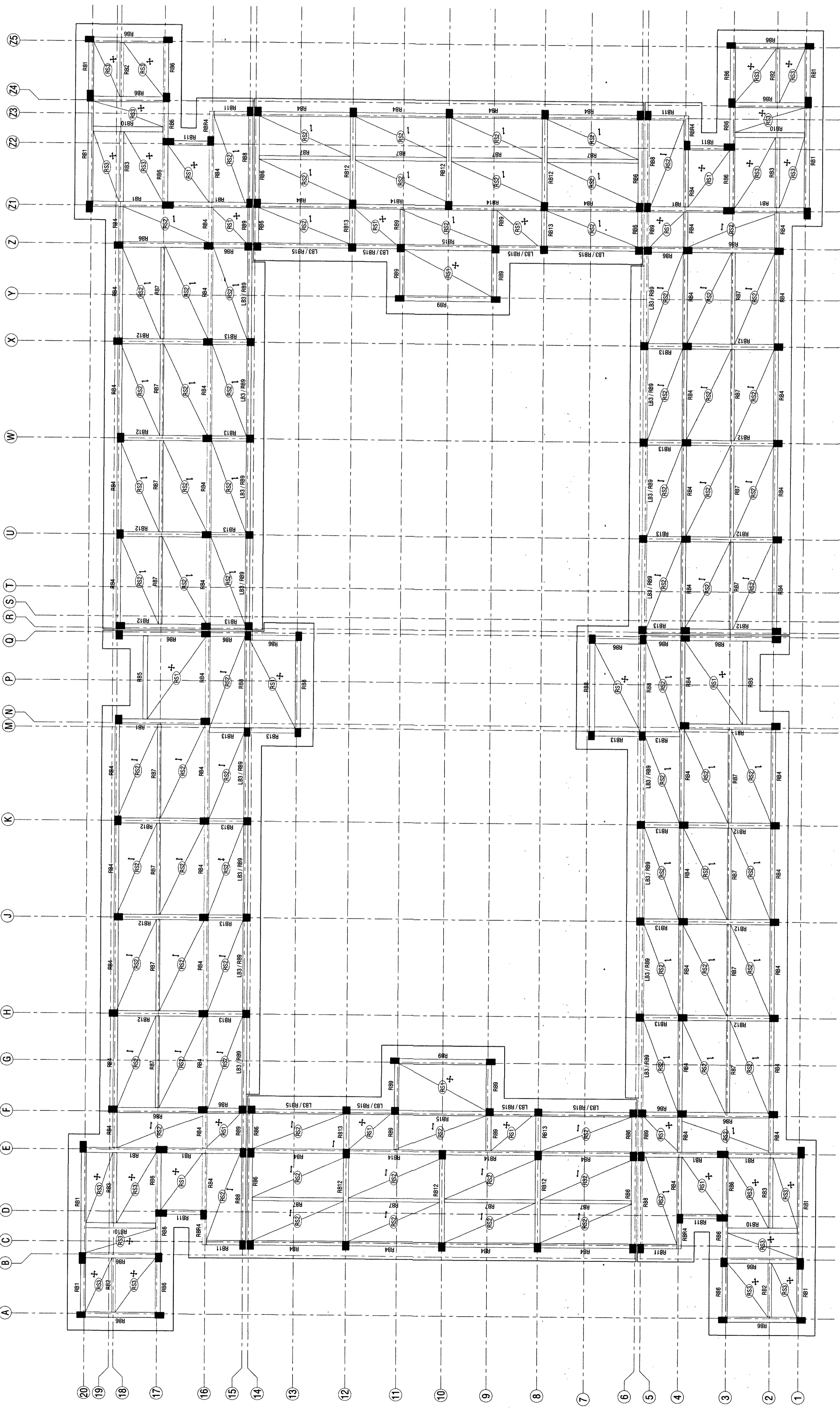
SIGNATURE OF CONSULTANT


DATE :- 10/04/2025

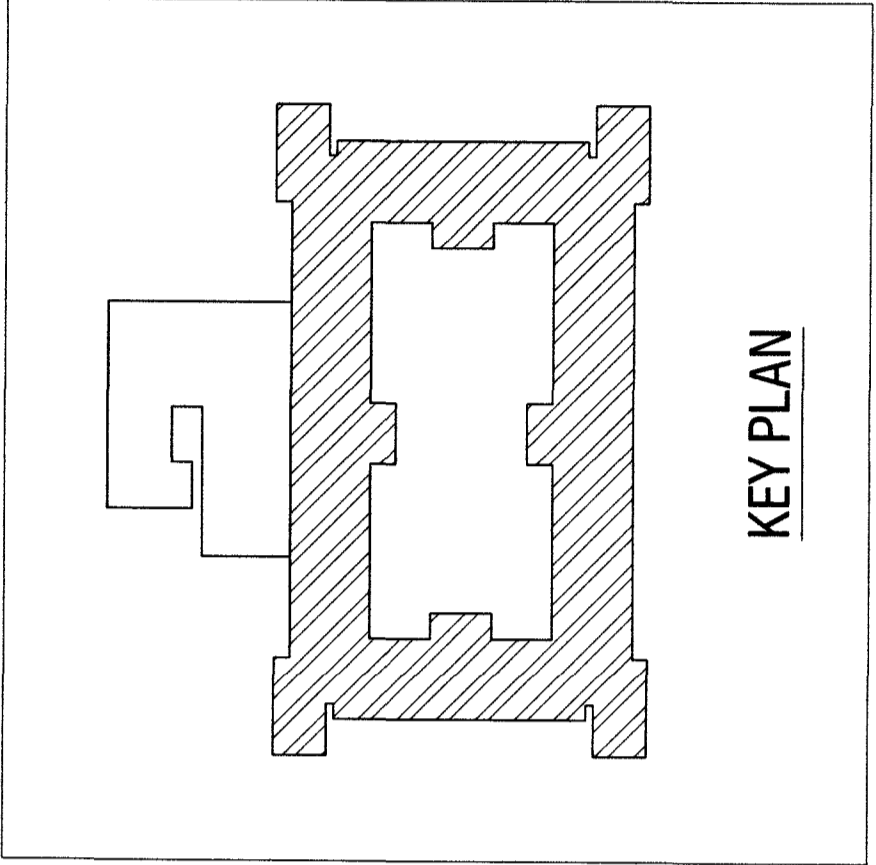
REF. DRG. NO. :- CEPT/2025/AN/154/04/01

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESHAWALA, PROFESSOR OF SVMIT COLLEGE SURAT.
 DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A00157/23-1/POL/22W(PFC) DATED 02 JUN 2017.

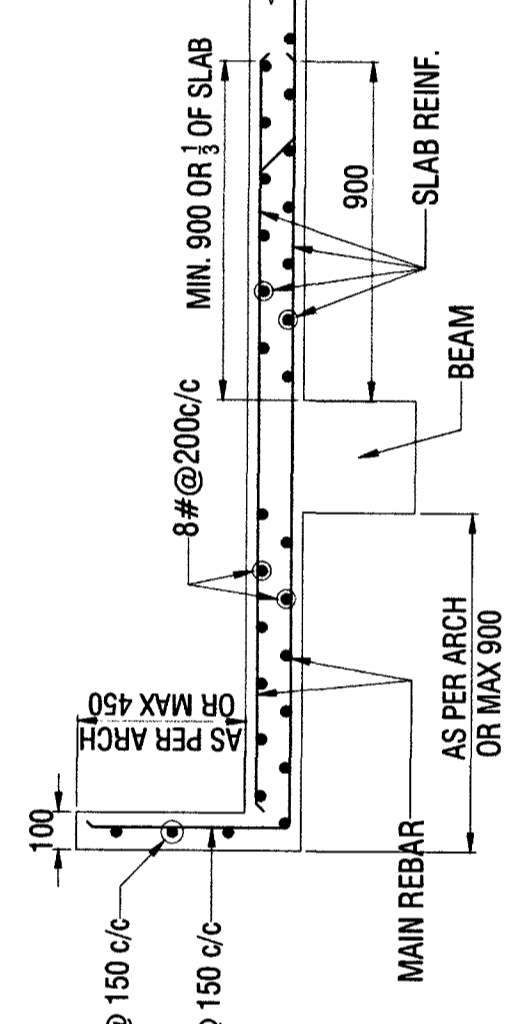

 DIR (DESIGN)



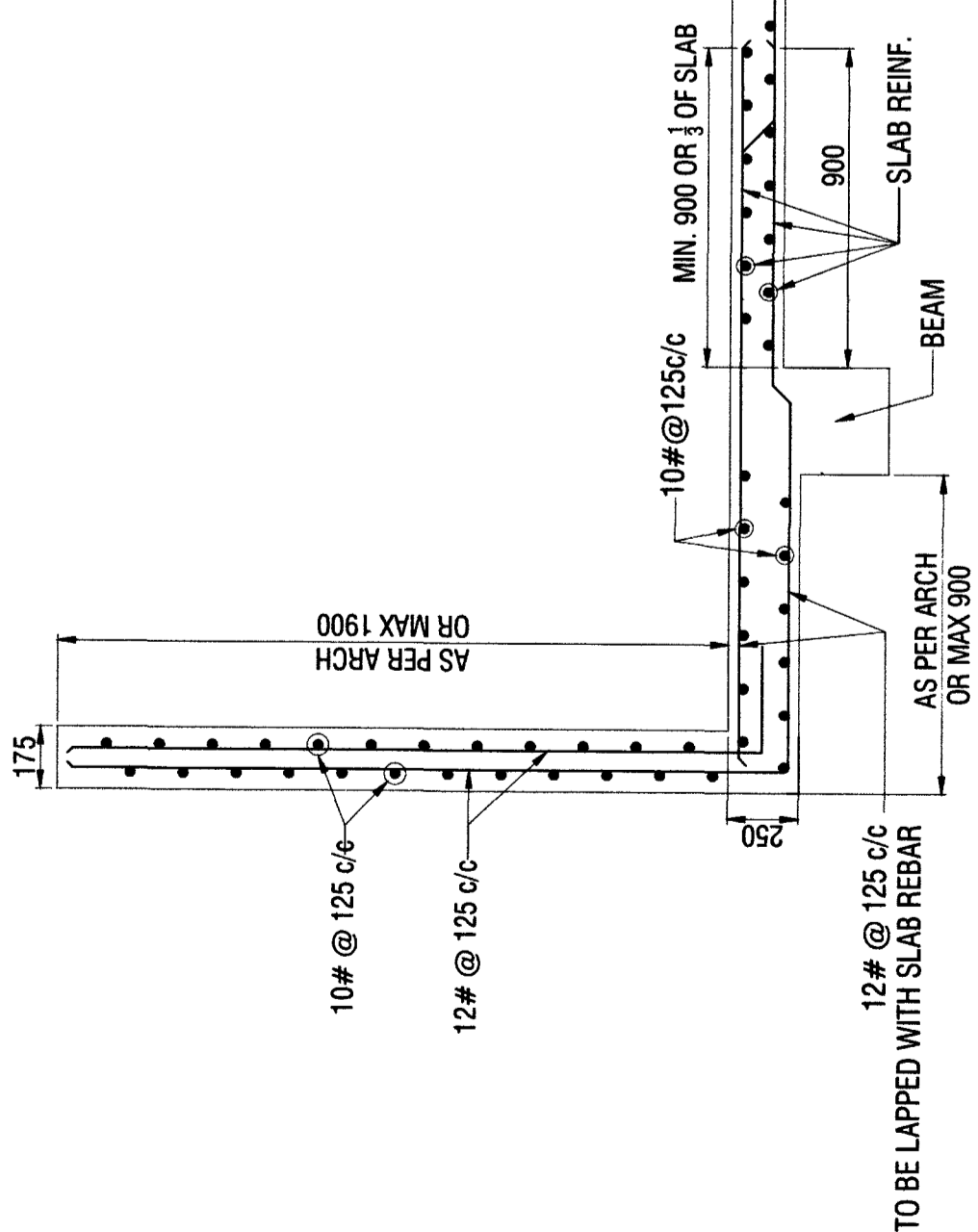
LAYOUT OF ROOF SLAB & BEAM



KEY PLAN



TYPICAL DETAIL OF ROOF PROJECTION



TYPICAL DETAIL OF ROOF PROJECTION

REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
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Checked & Verified by
 Dr. Gaurang R. Vesamwala
 Department of Civil Engineering
 Anna University, Chennai

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:
HIERARCHY STRUCTURES
 1225 E WARD, FLAT NO: C-101, NAGESHAKAR HEIGHTS
 APT., RAJARAMPUR 2nd LANE, KOLHAPUR - 416 008
 (M) +91 97640 60090
 E-mail: hierarchy.structure@gmail.com

CLIENT:
CHIEF ENGINEER PUNE ZONE
 SHEET NO. 14
 16

NAME OF PROJECT :- **PROVIN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **SCHEDULE OF BEAM AND SLAB**

PROJECT NO. - 2025-26 / 034	DRG NO. - HS/2025-26/STR/034 - B
DRAWN BY: SB	DESIGNED BY: AS
REVIEWED BY: BT	SCALE: NTS
DATE: 15-03-2026	REVISION NO.: R0

SIGNATURE OF CONSULTANT
 DATE :- 10/04/2026
 REF. DRG. NO. :- C 602/2024/ANU/MS/04 (G)

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESAMWALA, PROFESSOR OF SVMIT COLLEGE SURAT.
 DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/ESW(PPC) DATED 02 JUN 2017.

Anna
 DR (DESIGN)

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT				REMARKS
	BREADTH	DEPTH	BOTTOM BARS THROUGHOUT	EXTRA BAR AT MIDDLE	TOP BARS THROUGHOUT	STIRRUPS (LEGS, DIA & SPACING) AT SUPPORT (X1/X2)	
ROOF BEAM							
RB1	350	600	4-20#	-	2-20#+2-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
RB2	250	600	1-20#+2-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
RB3	300	600	5-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 150 c/c
RB4	300	600	3-16#	-	2-16#+1-12#	2L-8# @ 90 c/c	2L-8# @ 150 c/c
RB4A	300	600	3-16#	-	2-16#+3-12#	2L-8# @ 70 c/c	2L-8# @ 70 c/c
RB5	300	600	3-16#+2-12#	-	2-16#+1-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
RB6	350	600	4-16#	-	2-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
RB7	250	600	1-20#+2-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 150 c/c
RB8	300	600	2-16#+1-12#	-	2-16#+1-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
RB9	300	450	1-16#+2-12#	-	2-16#+2-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
RB10	350	600	6-20#	-	2-20#+2-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
RB11	300	450	1-16#+2-12#	-	2-16#+1-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
RB12	350	600	4-20#+2-16#	-	2-20#	4L-10# @ 90 c/c	4L-10# @ 90 c/c
RB13	350	600	2-20#+2-16#	-	2-20#+2-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
RB14	300	600	3-16#+2-12#	-	2-16#+1-12#	2L-10# @ 90 c/c	2L-8# @ 90 c/c
RB15	300	450	3-16#	-	3-16#	2L-8# @ 90 c/c	2L-8# @ 150 c/c
LINTEL BEAM							
LB3	250	350	1-16#+2-12#	-	3-16#	2L-8# @ 100 c/c	2L-8# @ 100 c/c

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT				REMARKS
	BREADTH	DEPTH	BOTTOM BARS THROUGHOUT	EXTRA BAR AT MIDDLE	TOP BARS THROUGHOUT	STIRRUPS (LEGS, DIA & SPACING) AT SUPPORT (X1/X2)	
FIRST FLOOR BEAM							
FB1	350	675	2-20#+2-16#	-	2-20#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
FB2	250	350	3-12#	-	3-12#	2L-8# @ 70 c/c	2L-8# @ 100 c/c
FB3	250	600	3-16#	-	1-16#+2-12#	2L-10# @ 70 c/c	2L-10# @ 100 c/c
FB4	300	600	5-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB5	300	600	3-16#	-	3-16#	2L-8# @ 90 c/c	2L-8# @ 150 c/c
FB5A	300	600	3-16#	-	3-16#+2-20#	2L-10# @ 70 c/c	2L-10# @ 70 c/c
FB6	300	600	2-25#+1-20#	-	3-20#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB7	350	675	4-16#	-	4-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
FB8	250	600	1-20#+2-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 150 c/c
FB9	300	600	3-16#	-	2-16#+1-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
FB10	300	450	3-16#	-	2-16#+1-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
FB11	300	600	2-20#+1-20#	-	2-16#+1-12#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB12	350	675	4-20#	-	2-20#+2-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB13	250	450	3-16#	-	1-16#+2-12#	2L-8# @ 100 c/c	2L-8# @ 100 c/c
FB14	350	675	2-20#+1-16#	-	2-20#+2-16#	4L-10# @ 90 c/c	4L-10# @ 90 c/c
FB15	300	450	4-16#	-	2-20#+2-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB16	250	450	1-20#+2-16#	-	1-16#+2-12#	2L-10# @ 70 c/c	2L-10# @ 100 c/c
FB17	300	600	2-20#+1-16#	-	2-20#+1-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB18	350	600	4-16#	-	2-20#+2-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
LINTEL BEAM							
LB2	250	350	1-16#+2-12#	-	3-16#	2L-8# @ 100 c/c	2L-8# @ 100 c/c

SCHEDULE OF SLAB

NOMENCLATURE	THICKNESS	TYPE OF SLAB	BOTTOM REINFORCEMENT (ALTERNATE BENT UP)				EXTRA REINFORCEMENT AT TOP (SUPPORT / END)				DIST. REIN AT TOP CONT / NON-CONT. END				REMARKS
			SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C	SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C	SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C	
FS1	150	TWO WAY SLAB	10#	150	10#	150	10#	300	10#	300	10#	300	8#	200	+
FS2	150	ONE WAY SLAB	10#	150	10#	150	10#	300	-	300	-	300	8#	200	-
FS3	150	TWO WAY SLAB	10#	150	10#	150	10#	300	10#	300	10#	300	8#	200	SUNK SLAB

SCHEDULE OF SLAB

NOMENCLATURE	THICKNESS	TYPE OF SLAB	BOTTOM REINFORCEMENT (ALTERNATE BENT UP)				EXTRA REINFORCEMENT AT TOP (SUPPORT / END)				DIST. REIN AT TOP CONT / NON-CONT. END				REMARKS
			SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C	SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C	SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C	
RS1	150	TWO WAY SLAB	10#	150	10#	150	10#	300	10#	300	10#	300	8#	200	+
RS2	150	ONE WAY SLAB	10#	150	10#	150	10#	300	-	300	-	300	8#	200	-
RS3	175	TWO WAY SLAB	10#	125	10#	125	10#	250	10#	250	10#	250	8#	200	WATER TANK SLAB

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT				REMARKS
	BREADTH	DEPTH	BOTTOM BARS THROUGHOUT	EXTRA BAR AT MIDDLE	TOP BARS THROUGHOUT	STIRRUPS (LEGS, DIA & SPACING) AT SUPPORT (X1/X2)	
SECOND FLOOR BEAM							
FB1	350	675	2-20#+2-16#	-	2-20#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
FB2	250	350	3-12#	-	3-12#	2L-8# @ 70 c/c	2L-8# @ 100 c/c
FB3	250	600	3-16#	-	1-16#+2-12#	2L-10# @ 70 c/c	2L-10# @ 100 c/c
FB4	300	600	5-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB5	300	600	3-16#	-	3-16#	2L-8# @ 90 c/c	2L-8# @ 150 c/c
FB5A	300	600	3-16#	-	3-16#+2-20#	2L-10# @ 70 c/c	2L-10# @ 70 c/c
FB6	300	600	2-25#+1-20#	-	3-20#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB7	350	675	4-16#	-	4-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
FB8	250	600	1-20#+2-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 150 c/c
FB9	300	600	3-16#	-	2-16#+1-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
FB10	300	450	3-16#	-	2-16#+1-12#	2L-8# @ 70 c/c	2L-8# @ 150 c/c
FB11	300	600	2-20#+1-16#	-	2-16#+1-20#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB12	350	675	4-20#	-	2-20#+2-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB13	250	450	3-16#	-	1-16#+2-12#	2L-10# @ 70 c/c	2L-8# @ 100 c/c
FB14	350	675	2-20#+4-16#	-	2-20#+2-16#	4L-10# @ 90 c/c	4L-10# @ 90 c/c
FB15	300	450	3-16#	-	3-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB16	250	450	1-20#+2-16#	-	1-16#+2-12#	2L-10# @ 70 c/c	2L-10# @ 100 c/c
FB17	300	600	2-20#+1-16#	-	2-20#+1-16#	2L-10# @ 90 c/c	2L-10# @ 90 c/c
FB18	350	600	4-16#	-	2-20#+2-16#	4L-8# @ 90 c/c	4L-8# @ 90 c/c
LINTEL BEAM							
LB2	250	350	1-16#+2-12#	-	3-16#	2L-8# @ 100 c/c	2L-8# @ 100 c/c

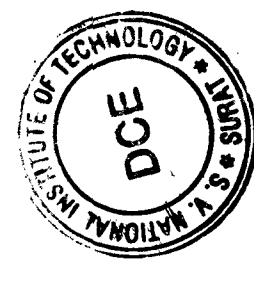
REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

NOTES:-

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- BEAM AND OTHER SHALL BE NOT BE CUT THROUGH TO PROVIDE DRAIN PIPES, ETC. SLEEVES OF SUITABLE SIZE SHALL BE PROVIDED AT PREDETERMINED LOCATION BEFORE CASTING OF THE SLAB.
- COLUMN MARKED * * STOP AT THIS LEVEL.

CHECKED & VETTED



Check & Found O.K.

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:

HIERARCHY STRUCTURES
 1225 'E' WARD, FLAT NO. C-101, NAGESHVAR HEIGHTS
 APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008
 (M) + 91 97640 60090
 E-mail : hierarchy_structure.gov@gmail.com

CLIENT:

CHIEF ENGINEER PUNE ZONE

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **LAYOUT & RCC DETAILS OF STAIRCASE - 1 & 3**

PROJECT NO. - 2025-26 / 034	DRG NO. - HS/2025-26/STR/034 - B

DRAWN BY	DESIGNED BY	REVIEWED BY	SCALE	DATE	REVISION NO.	SHEET NO.
SB	AS	BT	NTS	15-03-2026	RO	16

SIGNATURE OF CONSULTANT

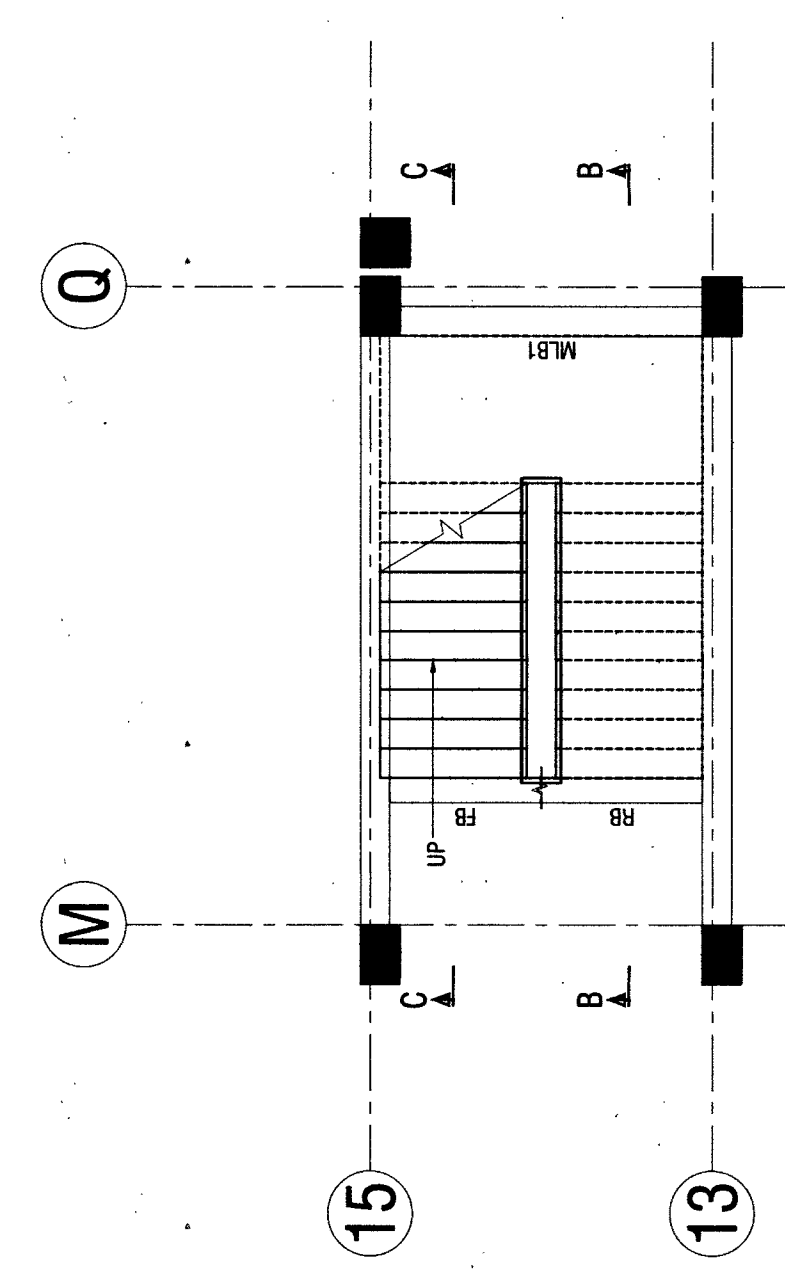
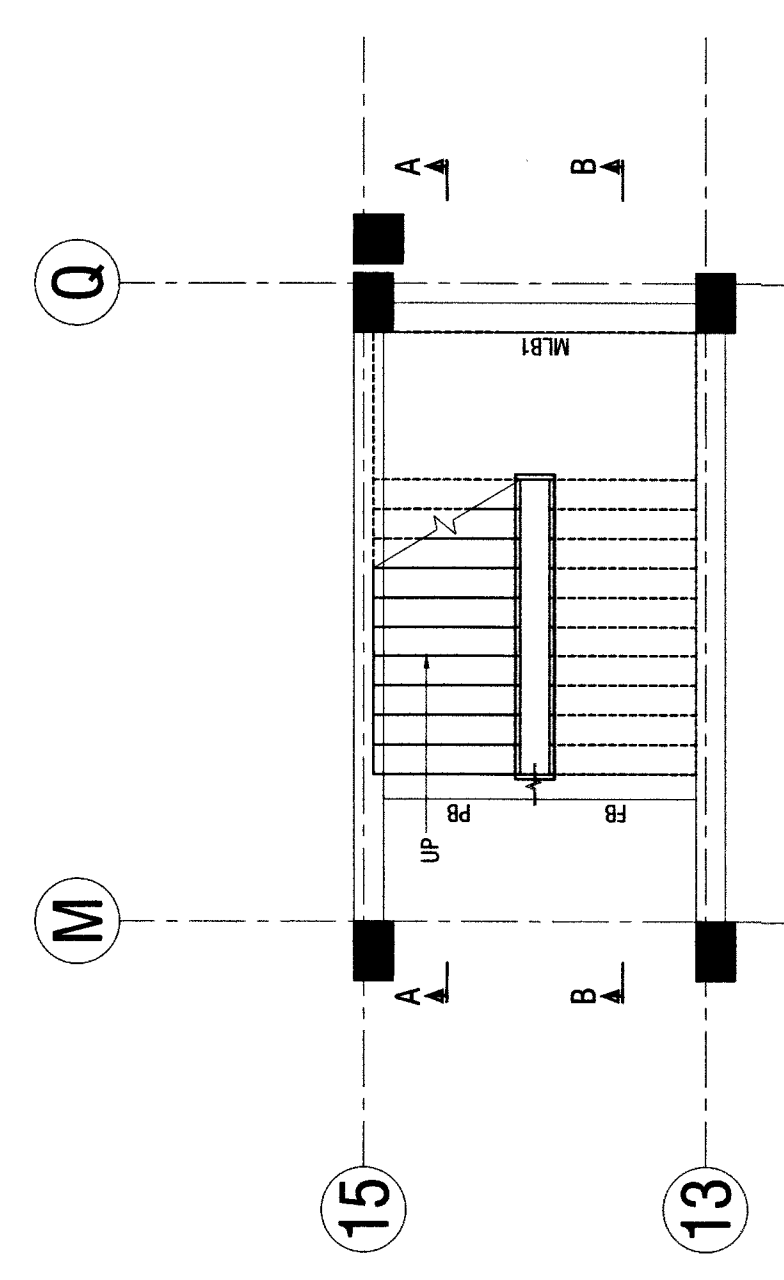
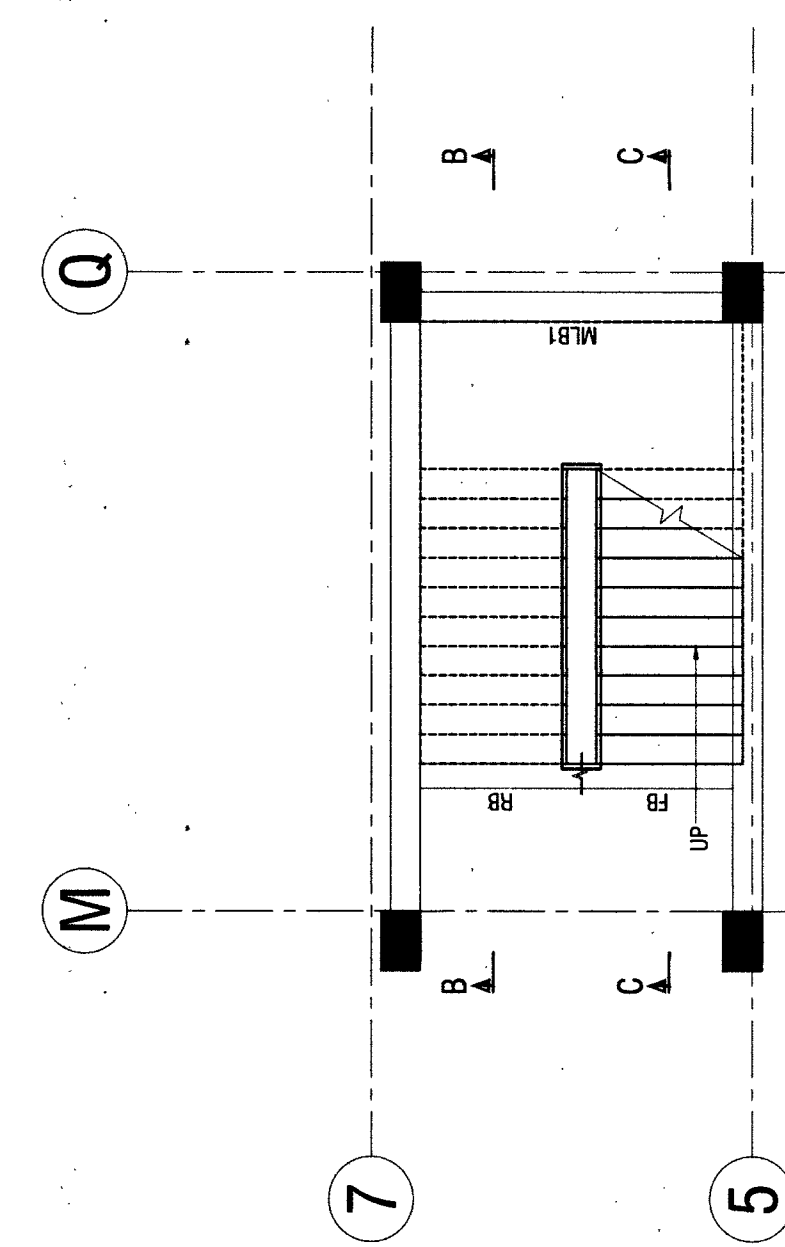
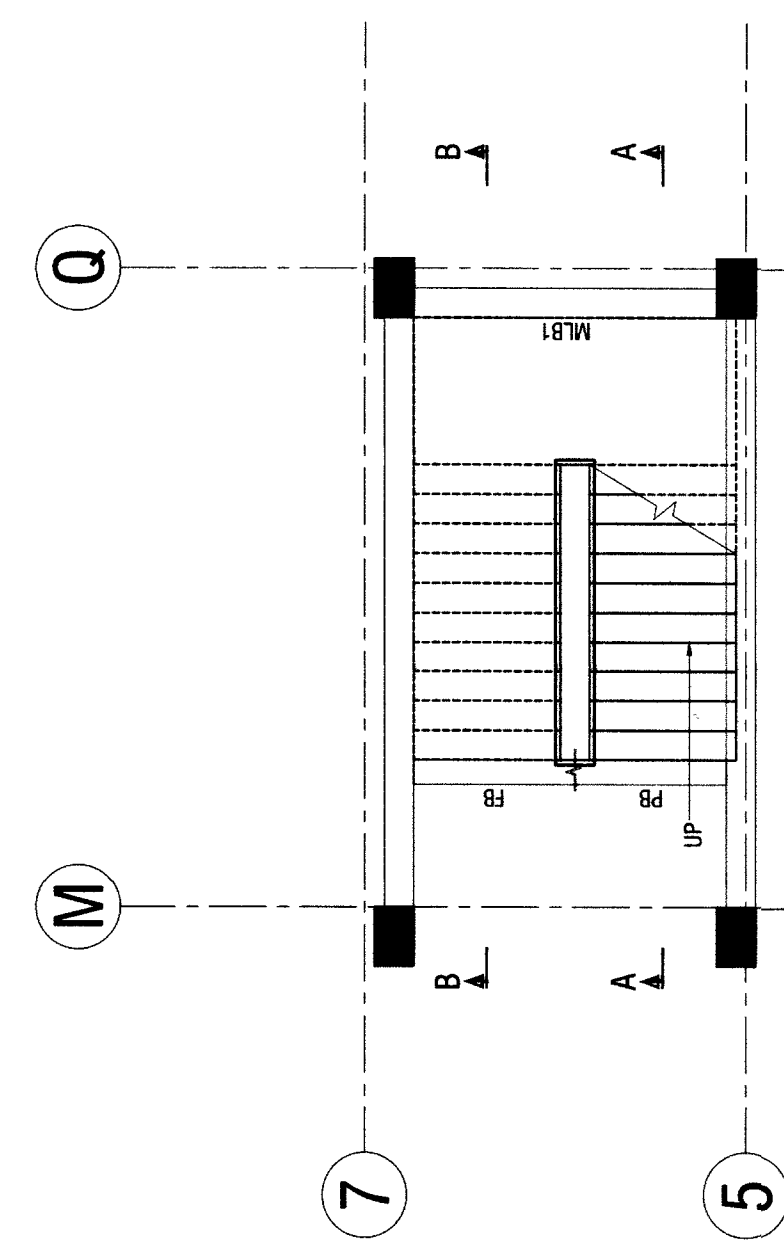
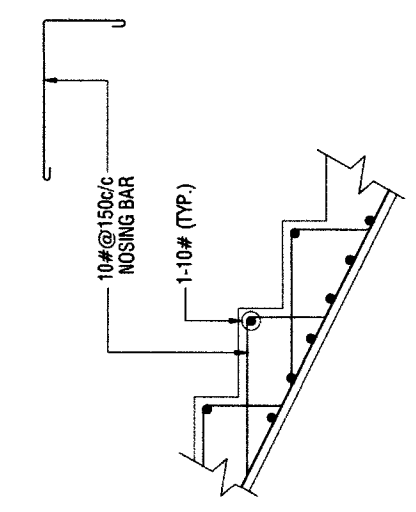
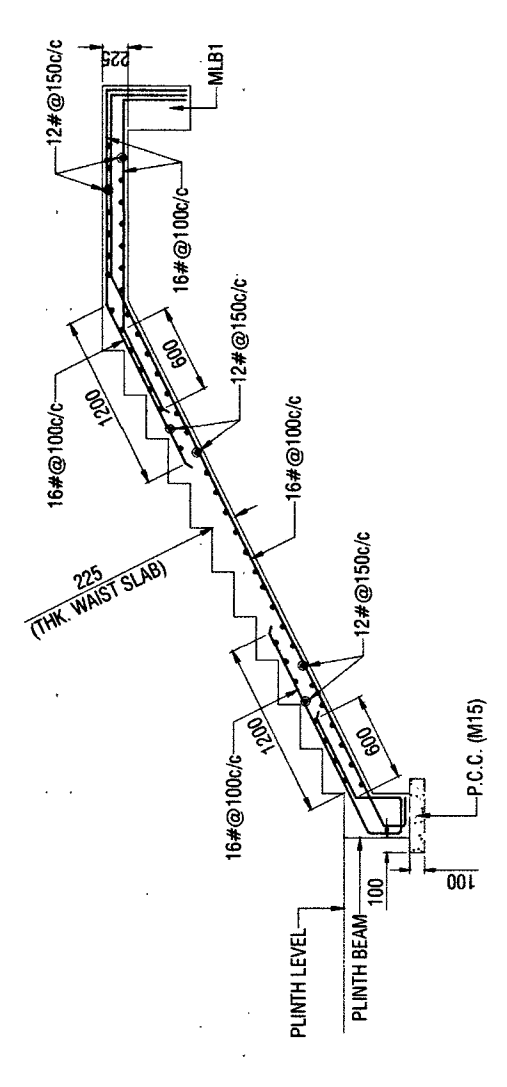
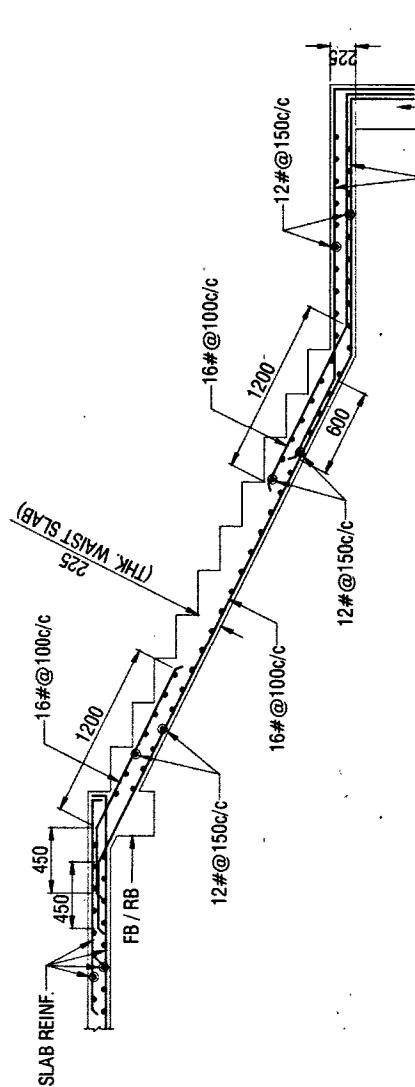
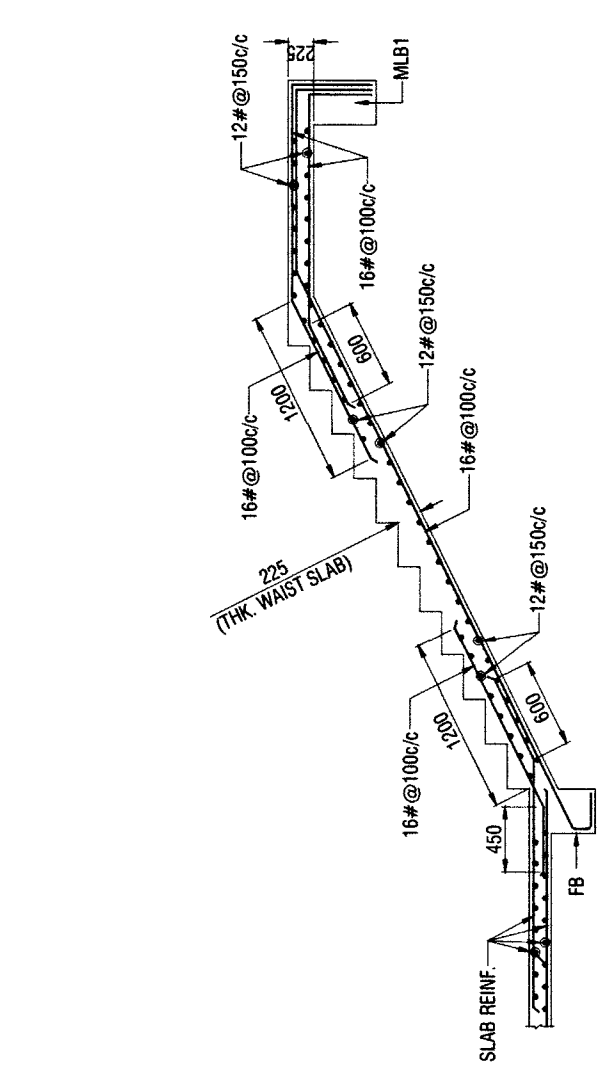
DATE :- 10/04/2026

REF. DRG. NO. :- C692/2024/ANL / sro/04/43

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVMIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/PQ/E2W/PPC DATED 02 JUN 2017.

Signature
DIR (DESIGN)



SCHEDULE OF BEAM

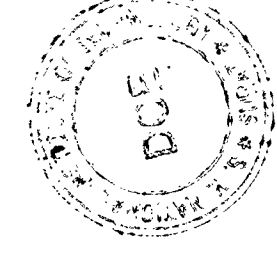
BEAM NO.	SIZE OF BEAM (BREADTH x DEPTH)	BOTTOM BARS THROUGHOUT AT MIDDLE	EXTRA BAR THROUGHOUT AT SUPPORT	TOP BARS THROUGHOUT AT SUPPORT	STIRRUPS (LESS DIA & SPACING) AT SUPPORT (X1/2X)	STIRRUPS (LESS DIA & SPACING) THROUGHOUT AT MIDDLE	REMARKS
MLB1	300 x 800	1-20# + 2-16#	3-16#	2-10# @ 90.C.C	2-10# @ 90.C.C	2-10# @ 90.C.C	SPACER BARS @ 900 C.C

REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

- NOTES:-**
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 - BEAM AND OTHER SHALL BE NOT BE CUT THROUGH TO PROVIDE DRAIN PIPES, ETC. SLEEVES OF SUITABLE SIZE SHALL BE PROVIDED AT PREDETERMINED LOCATION BEFORE CASTING OF THE SLAB.
 - THE FOUNDATION HAS BEEN DESIGNED FOR THE SBC OF 25 T/m² AT A DEPTH OF 1.50 M (MINIMUM) BELOW THE NATURAL GROUND LEVEL. EXECUTIVES SHALL VERIFY THE SAME BEFORE EXECUTION OF THE WORK.
 - FOR GEO-TECHNICAL INVESTIGATION REPORT, REFER REPORT PREPARED BY "GEO TECH EXPERTS", HAVING REPORT NO. "VGBE/ANG/03/04/01B", DATED: 08-08-2025.
 - WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED



Check & T. and C.K.
 RAJESH K. PATIL, Professor
 Hierarchy Structures
 Department of Civil Engineering
 V. J. Somaiya Institute of Technology & Engineering
 Wagle Estate, Thane (W), Maharashtra

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:
HIERARCHY STRUCTURES
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 APT. RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008
 (M) +91 97540 60090
 E-mail: hierarchy.structure.gov@gmail.com

CLIENT:
SVMIT
 SVINAYAK WADKAR
 CHIEF ENGINEER
 PUNE ZONE

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **PARKING SHED FOR 50 SCOOTERS (04 BLOCKS)**

SHEET TITLE :- **LAYOUT & RCC DETAILS OF COLUMN**

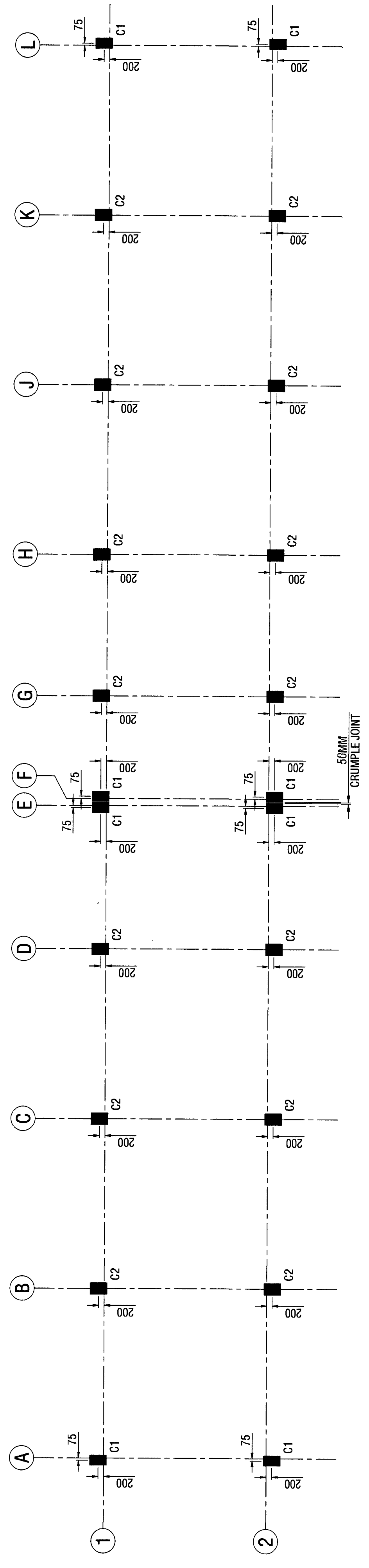
PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - D

DESIGNED BY	AS
AD	
REVIEWED BY	BT
AS	
SCALE	NTS
DATE	15-03-2026
REVISION NO:	RO
SIGNATURE OF CONSULTANT	
DATE:-	10/04/2025
REF. DRG. NO.:-	CEP/2025/AN/2/STR/04/01

STRUCTURAL DRAWINGS DESIGNED BY MS HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVMIT COLLEGE SURAT.

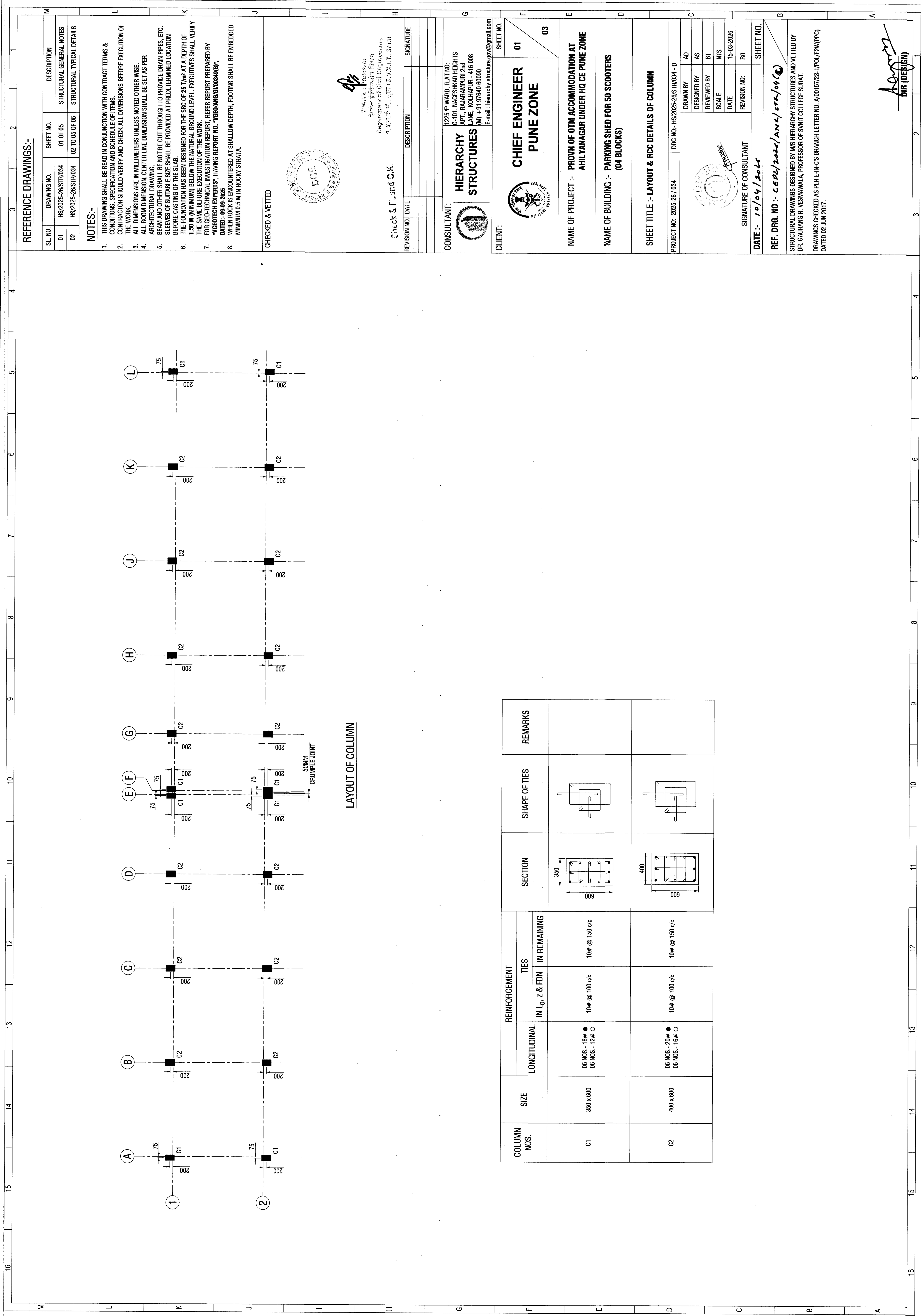
DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POU/E2W(PFC) DATED 02 JUN 2017.

Aditya
 AIR (DESIGN)



LAYOUT OF COLUMN

COLUMN NOS.	SIZE	REINFORCEMENT			SHAPE OF TIES	REMARKS
		LONGITUDINAL	TIES IN L ₀ , Z & FDN	IN REMAINING		
C1	350 x 600	06 NOS.-16# ● 06 NOS.-12# ○	10# @ 100 c/c	10# @ 150 c/c		
C2	400 x 600	06 NOS.-20# ● 06 NOS.-16# ○	10# @ 100 c/c	10# @ 150 c/c		



REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

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- BEAM AND OTHER SHALL BE NOT CUT THROUGH TO PROVIDE DRAIN PIPES, ETC. SLEEVES OF SUITABLE SIZE SHALL BE PROVIDED AT DETERMINED LOCATION BEFORE CASTING OF THE SLAB.
- THE FOUNDATION HAS BEEN DESIGNED FOR THE SBC OF 28 T/m² AT A DEPTH OF 1.50 M (MINIMUM) BELOW THE NATURAL GROUND LEVEL. EXECUTIVES SHALL VERIFY THE SAME BEFORE EXECUTION OF THE WORK.
- FOR GEO-TECHNICAL INVESTIGATION REPORT, REFER REPORT PREPARED BY "GEO TECH EXPERTS", HAVING REPORT NO. "VGED/ANG/01/0049197".
- WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED



DR. VIKRANT K. KOSLIYAR
 ૧૧૧૧૧૧૧૧૧૧૧૧
 Department of Civil Engineering
 યુ.એન.કોલેજ, સુરત / S.V.N.I.T., Surat

Check & i. valid O.K.

REVISION NO. DATE DESCRIPTION SIGNATURE

CONSULTANT:
HIERARCHY STRUCTURES
 1225 E-WARD, FLAT NO. C-101, MAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97940 60090 E-mail: hierarchy_structures_pvt@gmail.com

CLIENT:
CHIEF ENGINEER PUNE ZONE

NAME OF PROJECT :- **PROVIN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **PARKING SHED FOR 50 SCOOTERS (04 BLOCKS)**

SHEET TITLE :- **LAYOUT & RCC DETAIL OF FOUNDATION, PLINTH BEAM & BEAM SCHEDULE**

PROJECT NO.:- 2025-26 / 034 DRG NO.:- HS/2025-26/STR/034 - D

AD	AS	BT	NTS	RO
DRAWN BY	DESIGNED BY	REVIEWED BY	SCALE	DATE
				15-03-2026
SIGNATURE OF CONSULTANT				REVISION NO.:

SHEET NO. 02

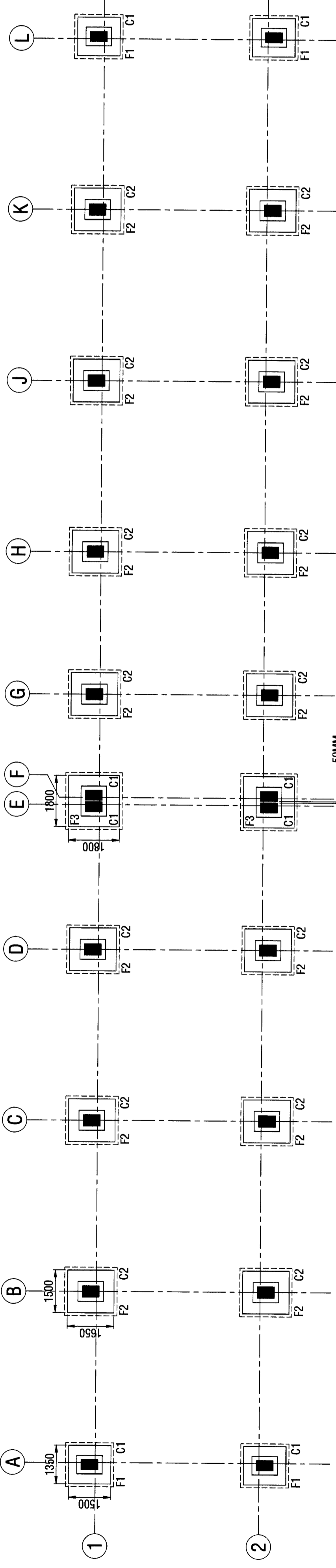
DATE:- 10/04/2025

REF. DRG. NO.:- C-6P/2025/ANL/574/05 (C)

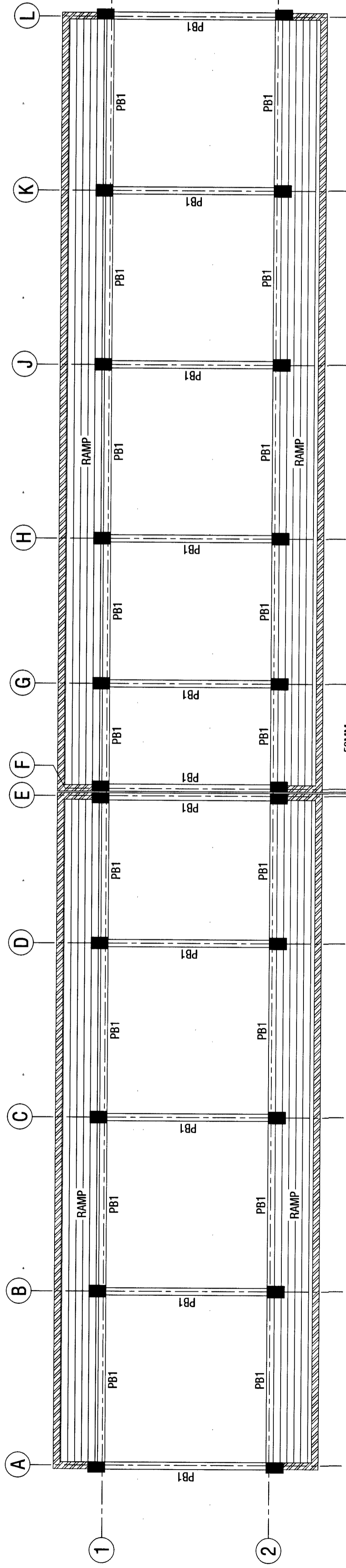
STRUCTURAL DRAWINGS DESIGNED BY MS HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESNAWALA, PROFESSOR OF SWIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A00157/23-1/PDU/E2W(PFC) DATED 02-JUN-2017.

Agarwal
 DIR (DESIGN)



LAYOUT OF FOUNDATION



LAYOUT OF PLINTH BEAM

FOOTING SCHEDULE

FOOTING NO.	FOOTING SIZE B x L	FOOTING THICKNESS d	PEDESTAL DEPTH D	FOUNDATION DEPTH Df	REINFORCEMENT PARALLEL TO 'L'		REINFORCEMENT PARALLEL TO 'P'		REMARKS
					BOTTOM	TOP	BOTTOM	TOP	
F1	1350 X 1500	350	650	1500	12# @ 150 c/c	-	12# @ 150 c/c	-	
F2	1500 X 1650	350	650	1500	12# @ 150 c/c	-	12# @ 150 c/c	-	
F3	1800 X 1800	375	675	1500	12# @ 150 c/c	-	12# @ 150 c/c	-	

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM BREADTH x DEPTH	REINFORCEMENT				REMARKS
		BOTTOM BARS THROUGHOUT	TOP BARS THROUGHOUT	EXTRA BAR AT SUPPORT	STIRRUPS (LEGS, DIA & SPACING) AT SUPPORT	
PB1	250 x 450	1-16# + 2-12#	1-16# + 2-12#	-	2L-8# @ 70 c/c	2L-8# @ 150 c/c

REFERENCE DRAWINGS:-

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02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

NOTES:-

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CHECKED & VETTED

DCE
Department of Civil Engineering
SVKM'S Institute of Technology, Surat

Check & Found C.O.K.

HIERARCHY STRUCTURES
1225 F.WARD, FLAT NO. 1201, NAGESHWAR HEIGHTS
APT. RAJAWADI/2/HS
LANE, KOLI HARBOR - 416 008
(M) +91 97640 60000
E-mail: hierarchy.structure.gov@gmail.com

CLIENT:
CHIEF ENGINEER PUNE ZONE

NAME OF PROJECT :- PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE

NAME OF BUILDING :- PARKING SHED FOR 50 SCOOTERS (04 BLOCKS)

SHEET TITLE :- LAYOUT & RCC DETAIL OF GROUND FLOOR LINTEL, ROOF SLAB & BEAM SCHEDULE

PROJECT NO:- 2025-26 /034 DRG NO:- HS/2025-26/STR/034 - D

DRAWN BY	AD
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-08-2026
REVISION NO:	RO

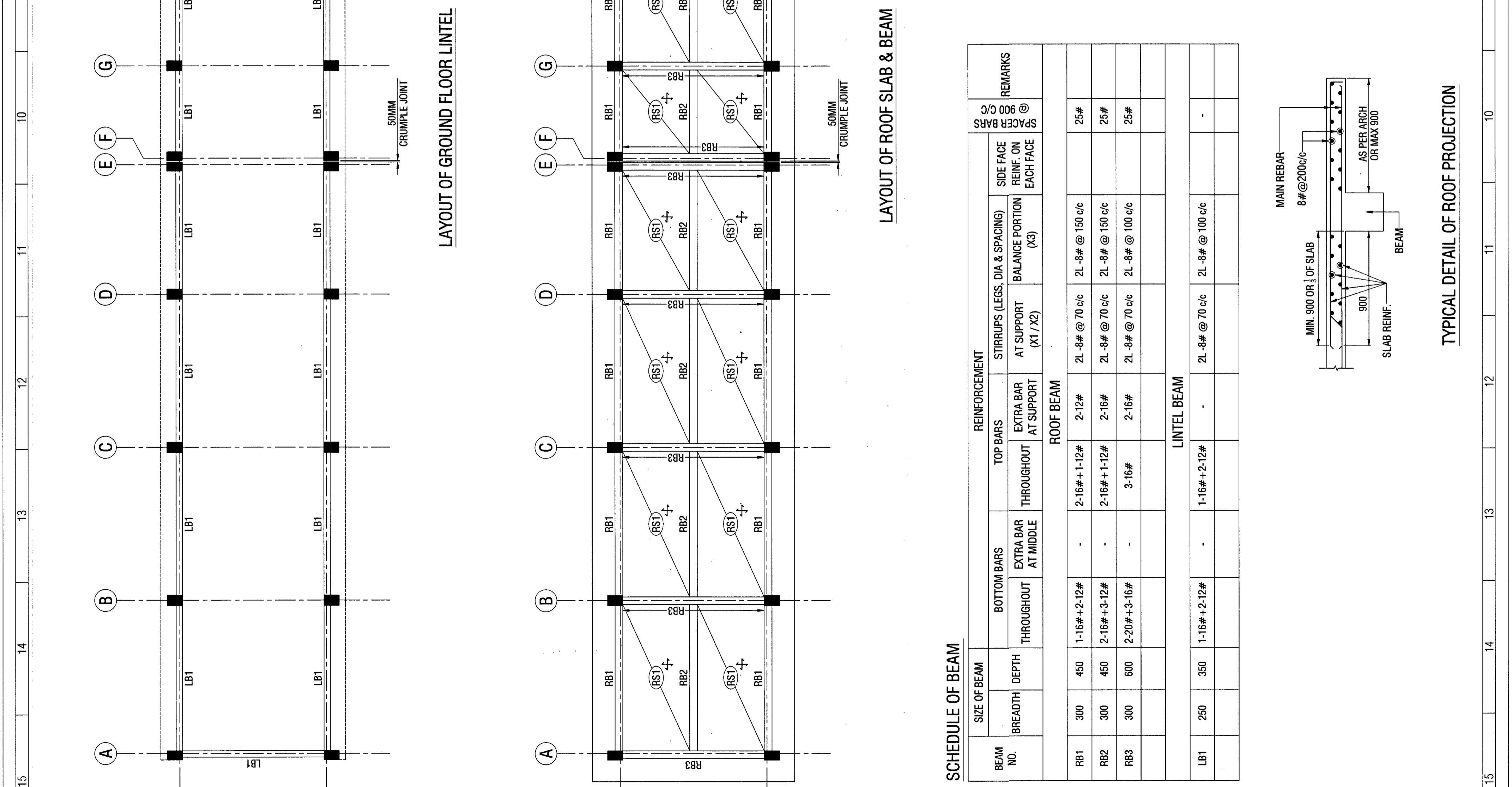
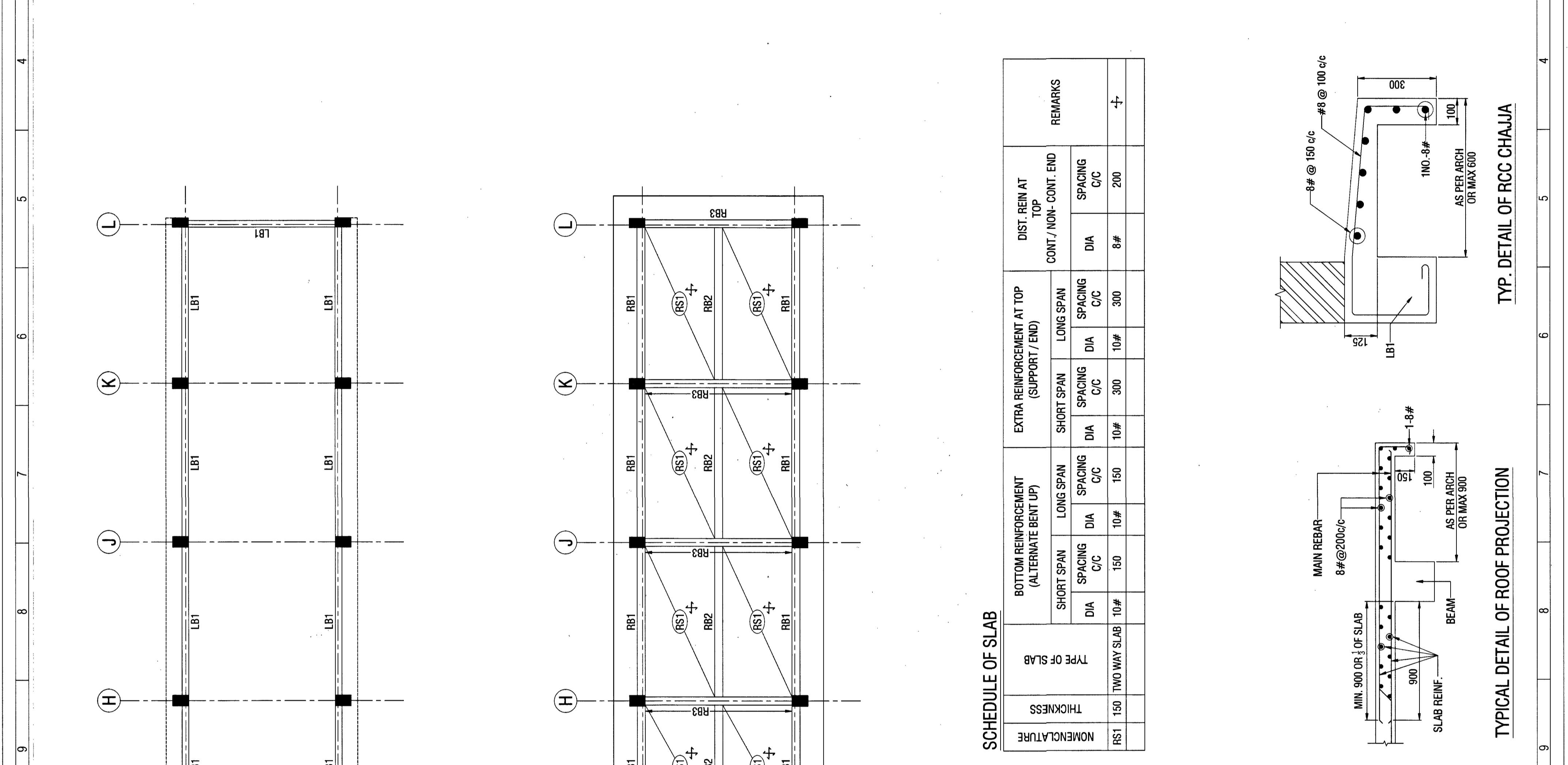
SIGNATURE OF CONSULTANT

DATE :- 10/06/2025

REF. DRG. NO :- C-62/2025/AN/514/04(C)

STRUCTURAL DRAWINGS DESIGNED BY MS HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMANALA, PROFESSOR OF SVMT COLLEGE SURAT.
DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POLEZ(WPPC) DATED 02 JUN 2017.

DR (DESIGN)

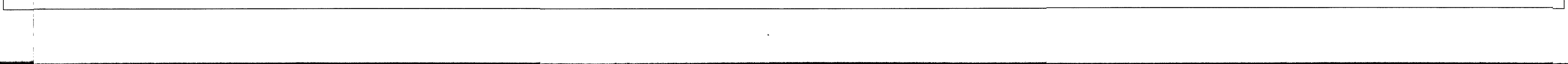


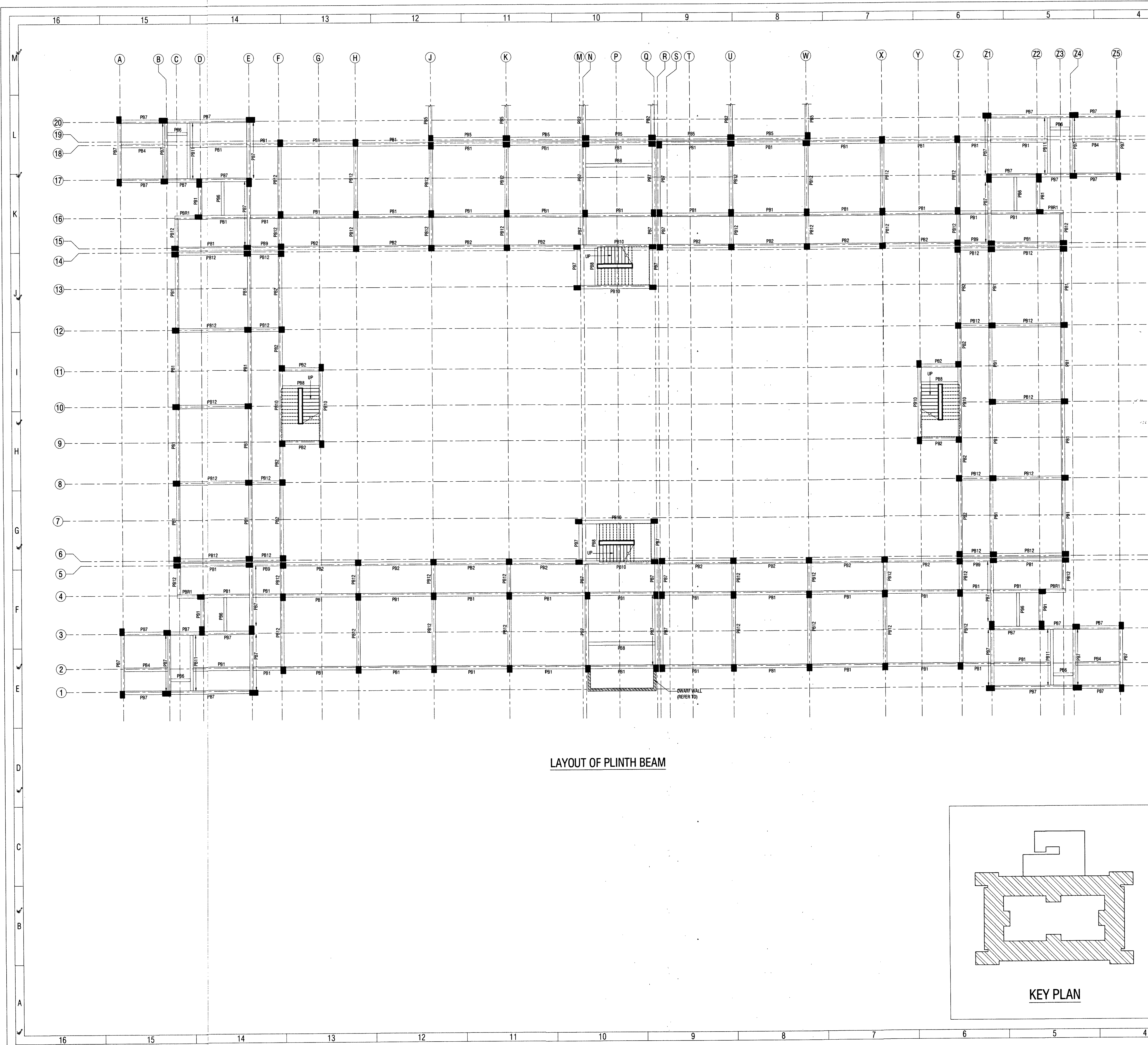
SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM	REINFORCEMENT				REMARKS
		BOTTOM BARS THROUGHOUT	EXTRA BAR AT MIDDLE	THROUGHOUT	TOP BARS EXTRA BAR AT SUPPORT	
RB1	300	1-16# + 2-12#	-	2-16# + 1-12#	2-12#	2L-8# @ 70 c/c
RB2	300	2-16# + 3-12#	-	2-16# + 1-12#	2-16#	2L-8# @ 70 c/c
RB3	300	2-20# + 3-16#	-	3-16#	2-16#	2L-8# @ 70 c/c
LB1	250	1-16# + 2-12#	-	1-16# + 2-12#	-	2L-8# @ 70 c/c

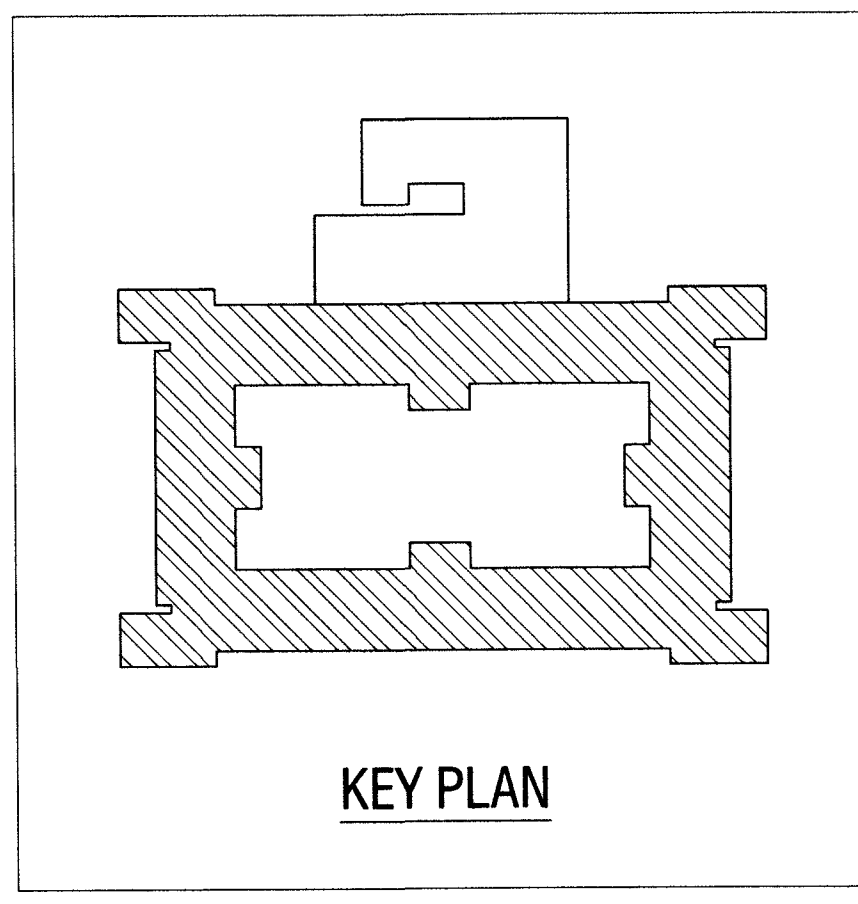
SCHEDULE OF SLAB

NOMENCLATURE	THICKNESS	BOTTOM REINFORCEMENT (ALTERNATE BENT UP)				EXTRA REINFORCEMENT AT TOP (SUPPORT / END)				DIST. REIN AT TOP CONT./NON-CONT. END	REMARKS	
		SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C	SHORT SPAN DIA	LONG SPAN DIA	SPACING C/C	SPACING C/C			
RS1	150	10#	10#	150	150	10#	10#	300	300	8#	200	+





LAYOUT OF PLINTH BEAM



KEY PLAN

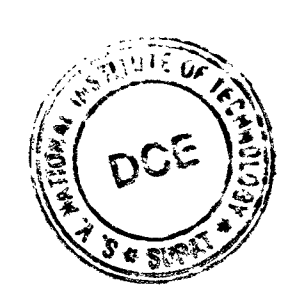
REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

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- COLUMN MARKED " * STOP AT THIS LEVEL.

CHECKED & VETTED



Check & Found O.K.

Dr. Gaurang R. Vesma
 Assistant Professor
 Department of Civil Engineering
 S.V.N.I.T., Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT: **HIERARCHY STRUCTURES**

1225 'E' WARD, FLAT NO. C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail : hierarchy.structures.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **LAYOUT OF PLINTH BEAM - 2**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
REVISION NO:	RO

SIGNATURE OF CONSULTANT

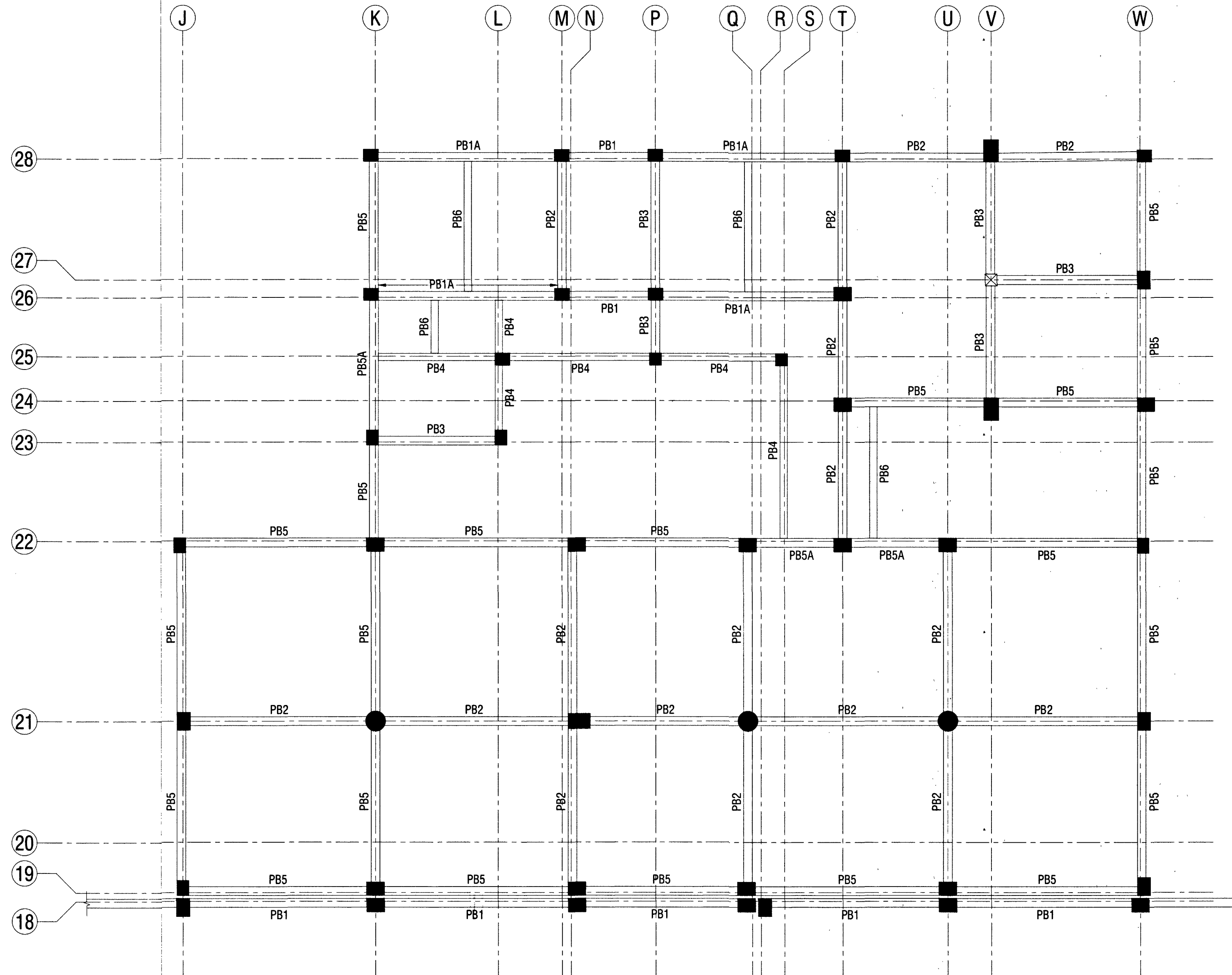
DATE :- 10/04/2026

REF. DRG. NO :- C/02/2026/ANL/STR/04(B)

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

Aganis
DIR (DESIGN)



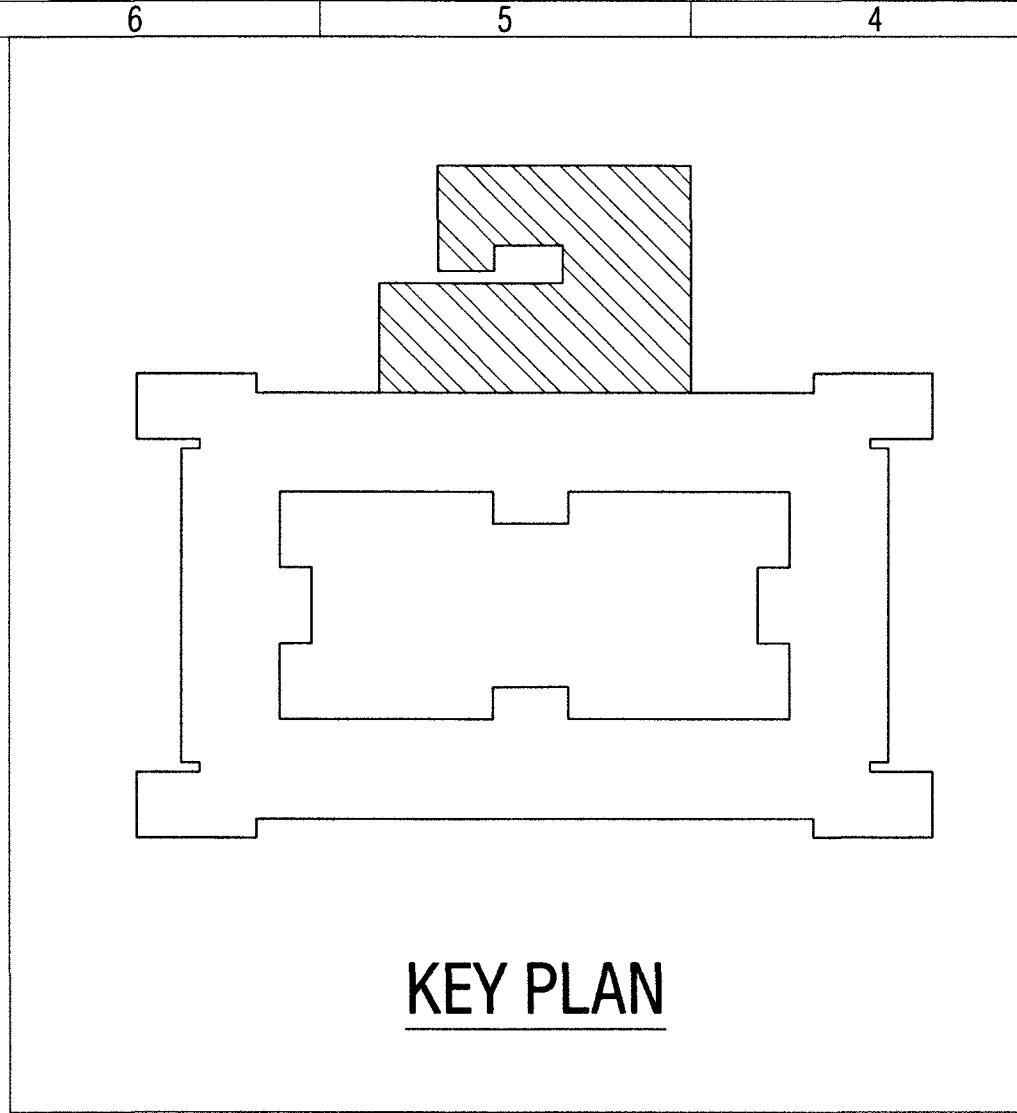
LAYOUT OF PLINTH BEAM

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT							REMARKS
	BREADTH	DEPTH	BOTTOM BARS		TOP BARS		STIRRUPS (LEGS, DIA & SPACING)		SIDE FACE REINF. ON EACH FACE	
			THROUGHOUT	EXTRA BAR AT MIDDLE	THROUGHOUT	EXTRA BAR AT SUPPORT	AT SUPPORT (X1 / X2)	BALANCE PORTION (X3)		
PLINTH BEAM										
PB1	300	450	2-16#+1-12#	-	2-16#+1-12#	2-16#	2L - 8# @ 70 c/c	2L - 8# @ 150 c/c	25#	
PB1A	300	450	2-16#+1-12#	-	2-16#+1-12#	2-16#	2L - 8# @ 70 c/c	2L - 8# @ 100 c/c	25#	
PBR1	300	450	2-16#+1-12#	-	4-16#+1-12#	-	2L - 8# @ 70 c/c	2L - 8# @ 70 c/c	25#	
PB2	300	450	2-16#+1-12#	-	2-16#+1-12#	-	2L - 8# @ 70 c/c	2L - 8# @ 150 c/c	-	
PB3	300	450	1-16#+2-12#	-	1-16#+2-12#	-	2L - 8# @ 70 c/c	2L - 8# @ 150 c/c	-	
PB4	250	450	1-16#+2-12#	-	1-16#+2-12#	-	2L - 8# @ 70 c/c	2L - 8# @ 150 c/c	-	
PB5	300	450	1-16#+2-12#	-	1-16#+2-12#	2-12#	2L - 8# @ 70 c/c	2L - 8# @ 150 c/c	25#	
PB5A	300	450	1-16#+2-12#	-	1-16#+2-12#	2-12#	2L - 8# @ 70 c/c	2L - 8# @ 100 c/c	25#	

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT							REMARKS
	BREADTH	DEPTH	BOTTOM BARS		TOP BARS		STIRRUPS (LEGS, DIA & SPACING)		SIDE FACE REINF. ON EACH FACE	
			THROUGHOUT	EXTRA BAR AT MIDDLE	THROUGHOUT	EXTRA BAR AT SUPPORT	AT SUPPORT (X1 / X2)	BALANCE PORTION (X3)		
PLINTH BEAM										
PB6	250	350	3-12#	-	3-12#	-	2L - 8# @ 70 c/c	2L - 8# @ 100 c/c	-	
PB7	300	600	1-20#+2-16#	-	3-16#	2-20#	2L - 10# @ 90 c/c	2L - 10# @ 90 c/c	25#	
PB8	250	450	3-16#	-	1-16#+2-12#	-	2L - 8# @ 70 c/c	2L - 8# @ 150 c/c	-	
PB9	300	450	2-16#+3-12#	-	2-16#+1-12#	2-16#	2L - 10# @ 70 c/c	2L - 10# @ 100 c/c	25#	
PB10	300	600	1-20#+2-16#	-	2-16#+1-12#	2-20#	2L - 10# @ 70 c/c	2L - 10# @ 100 c/c	25#	
PB11	300	600	3-16#	-	3-16#	-	2L - 10# @ 90 c/c	2L - 10# @ 90 c/c	-	
PB12	300	450	3-16#	-	3-16#	-	2L - 8# @ 90 c/c	2L - 8# @ 90 c/c	-	



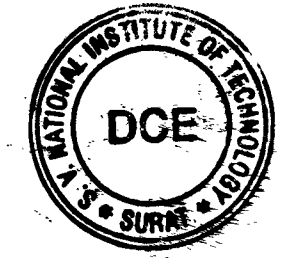
KEY PLAN

REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

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 - COLUMN MARKED * * STOP AT THIS LEVEL.

CHECKED & VETTED



Check & Found O.K.

CONSULTANT: **HIERARCHY STRUCTURES**

1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail : hierarchy.structures.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY: SB
DESIGNED BY: AS
REVIEWED BY: BT
SCALE: NTS
DATE: 15-03-2026
REVISION NO: R0

DATE: 10/04/2025 SHEET NO. 08

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

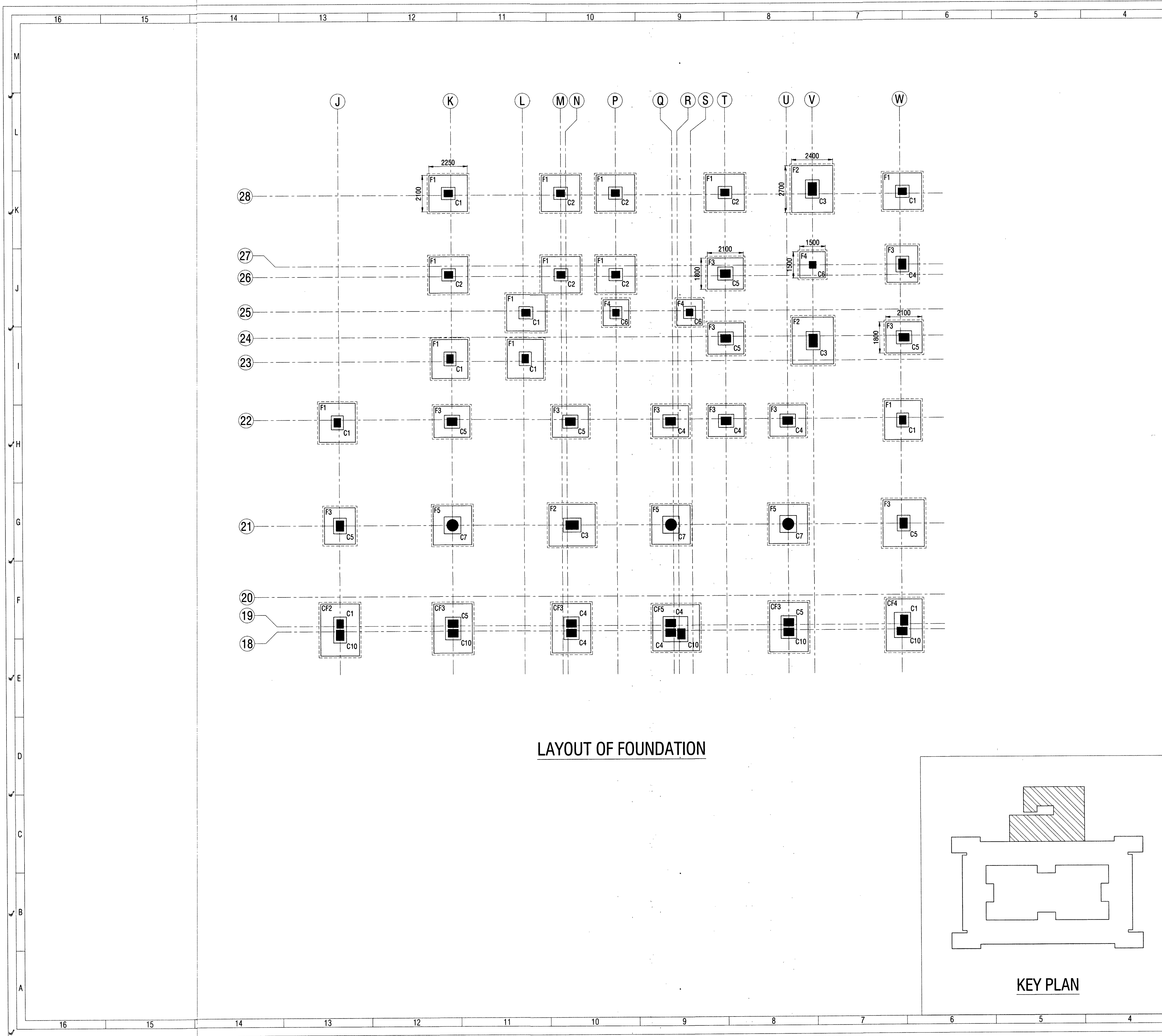
NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **LAYOUT OF PLINTH BEAM - 1 & BEAM SCHEDULE**

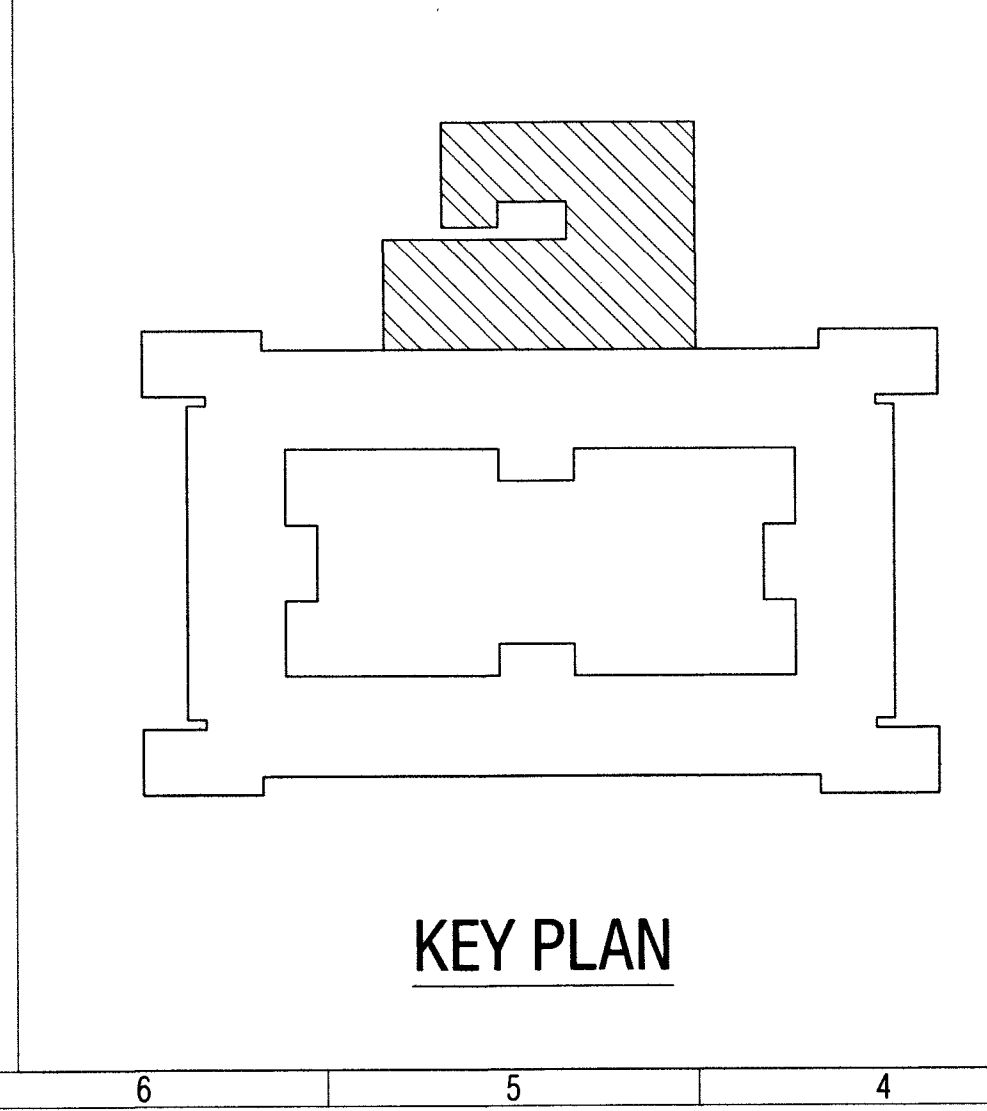
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DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PCC) DATED 02 JUN 2017.

Signature
DIR (DESIGN)



LAYOUT OF FOUNDATION



REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
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- THE FOUNDATION HAS BEEN DESIGNED FOR THE SBC OF 25 T/m² AT A DEPTH OF 3.00 M (MINIMUM) BELOW THE NATURAL GROUND LEVEL. EXECUTIVES SHALL VERIFY THE SAME BEFORE EXECUTION OF THE WORK.
- FOR GEO-TECHNICAL INVESTIGATION REPORT, REFER REPORT PREPARED BY "VGEOTECH EXPERTS", HAVING REPORT NO. "VGEO/AMG/GI/00349(B)", DATED:- 09-09-2025
- WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED

(Signature)
 प्राध्यापक / Professor
 विद्यापीठ इजीनियरिंग विभाग
 Department of Civil Engineering
 स.स.स.जी.सं., सुरत / S.V.N.I.T., Surat

Check & Found O.K.

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT: **HIERARCHY STRUCTURES**
 1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail : hierarchy.structure.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **LAYOUT OF FOUNDATION - 1**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
REVISION NO:	R0

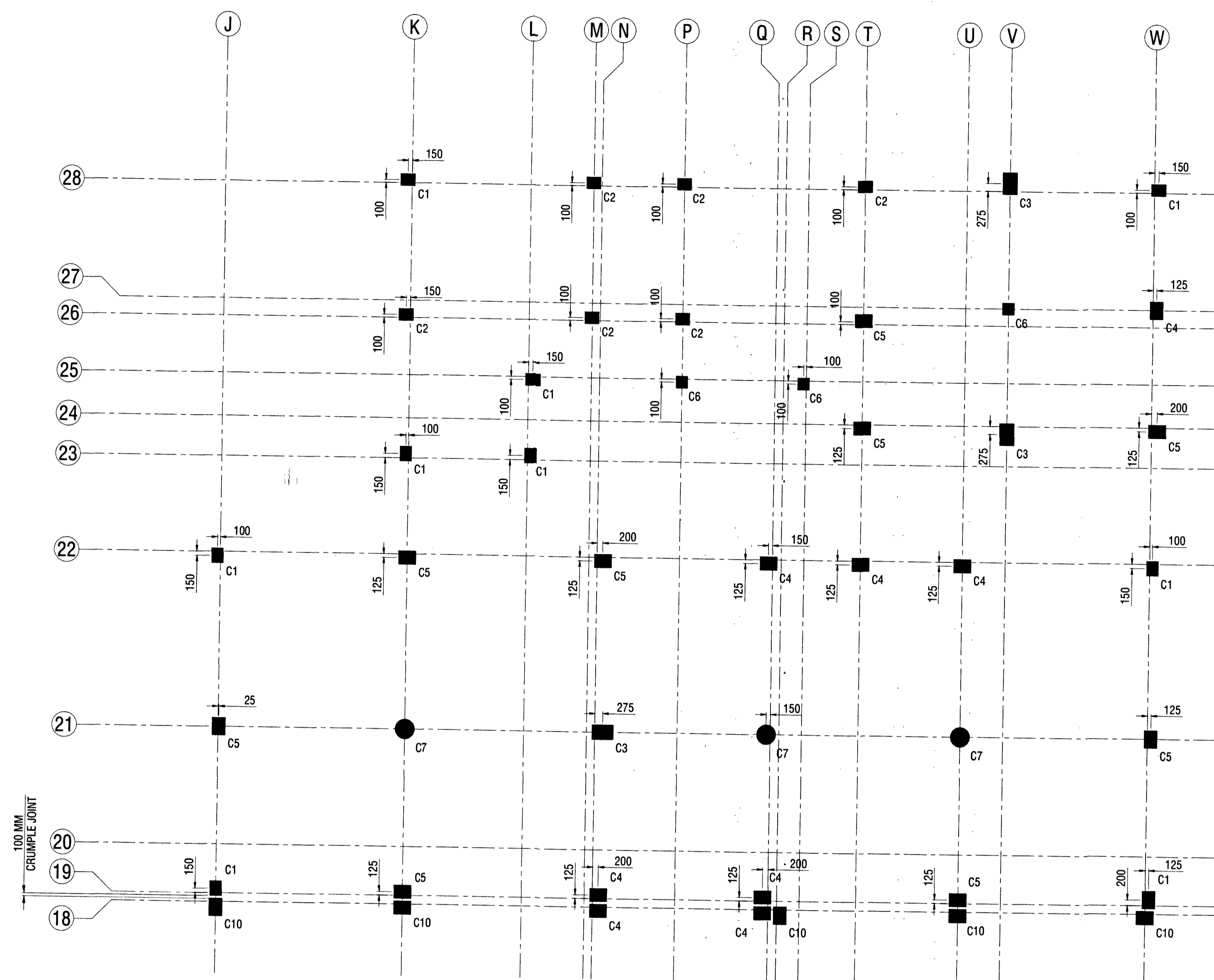
SIGNATURE OF CONSULTANT
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 DATE :- 10/04/2026

REF. DRG. NO :- C6P2/2026/ANK/STR/04(B)

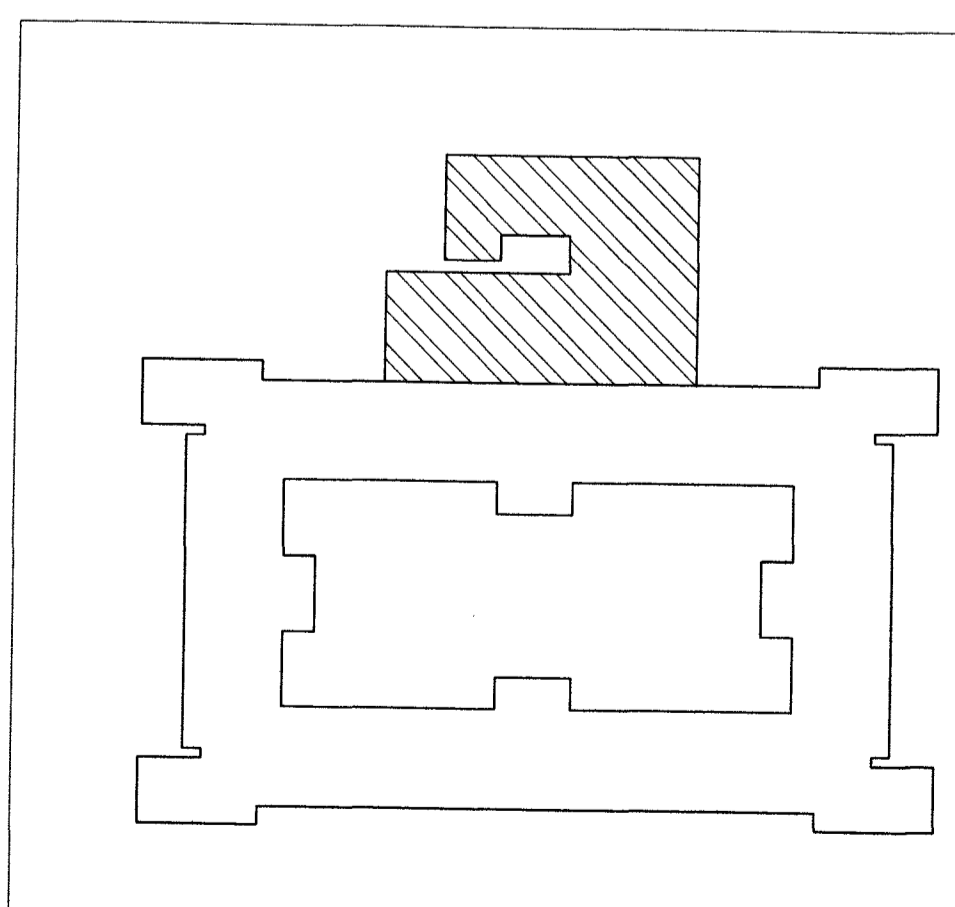
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

(Signature)
 DIR (DESIGN)



LAYOUT OF COLUMN



KEY PLAN

REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

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- WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED

1225 'E' WARD, FLAT NO:
 C-101, NAGESHKAR HEIGHTS
 APT., RAJARAMPURI 2nd
 LANE, KOLHAPUR - 416 008
 (M) +91 97640 60090
 E-mail : hierarchy.structure.gov@gmail.com

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:

HIERARCHY STRUCTURES

CLIENT:

CHIEF ENGINEER PUNE ZONE

SHEET NO. 01 / 16

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **LAYOUT OF COLUMN - 1**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
REVISION NO:	RO

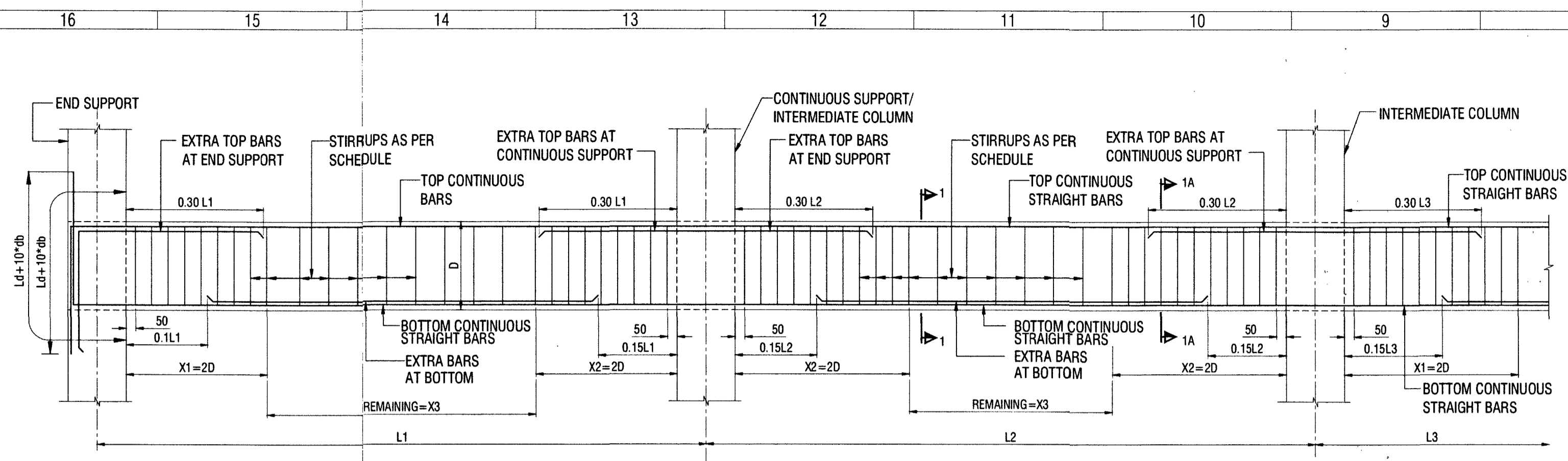
DATE :- 10/04/2026 SIGNATURE OF CONSULTANT

REF. DRG. NO :- **CEPZ/2026/AN2/STR/04 (B)**

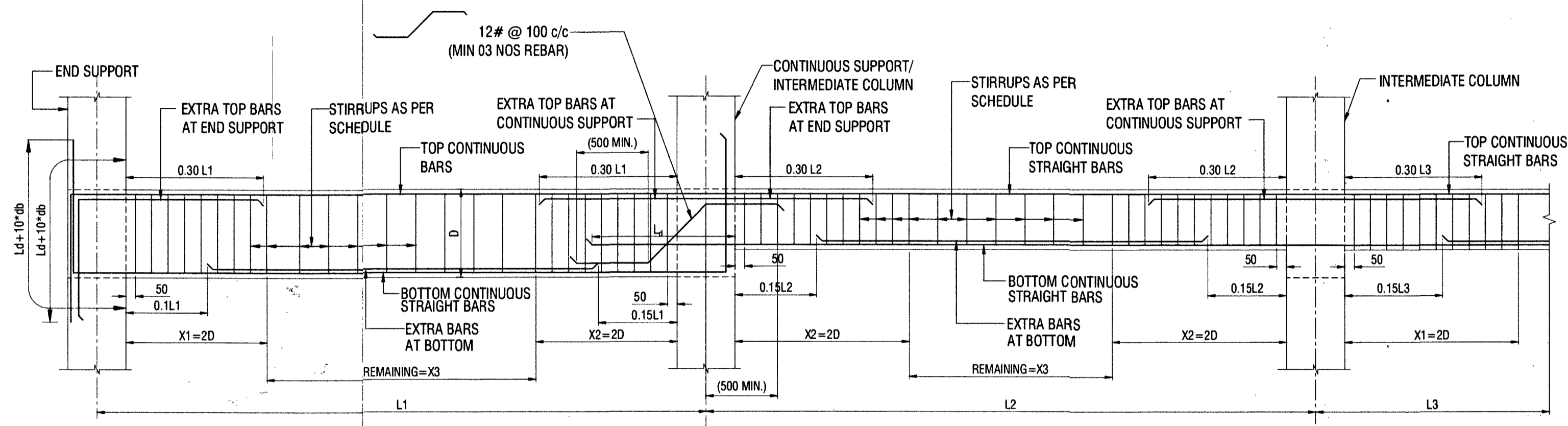
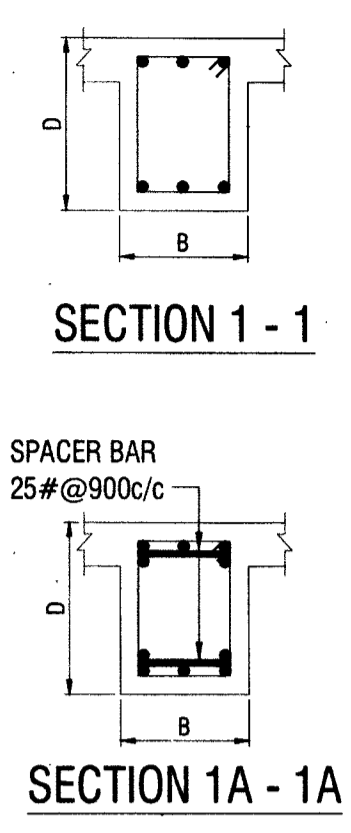
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

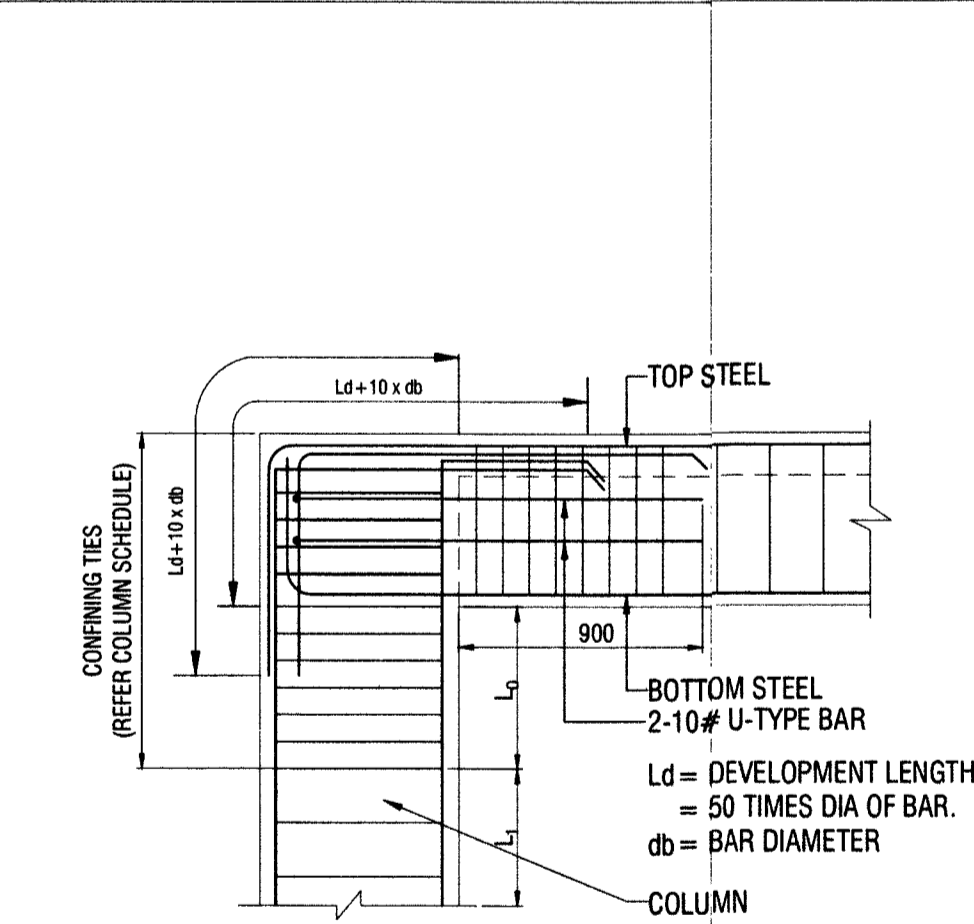
Agarwal
DIR (DESIGN)



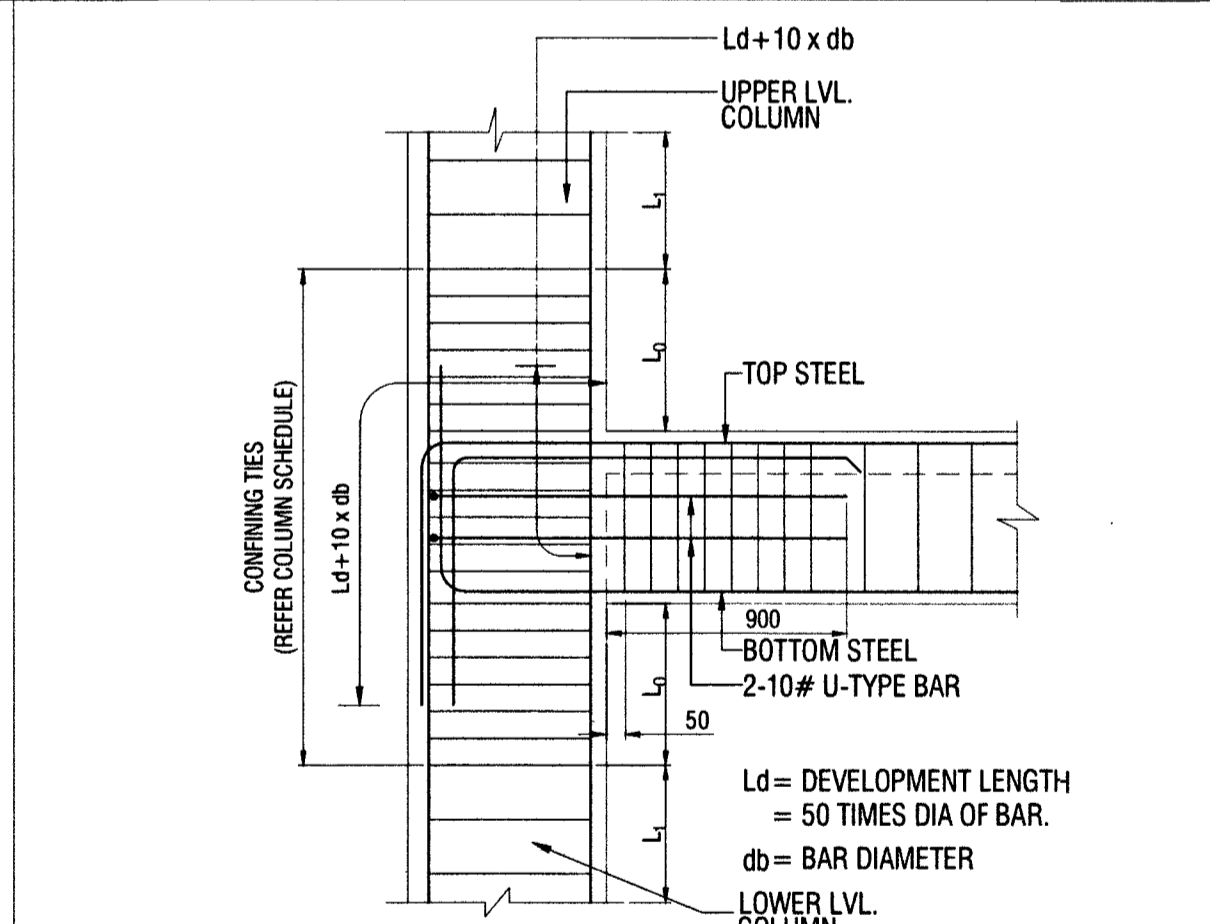
TYPICAL DETAIL OF CONTINUOUS BEAM



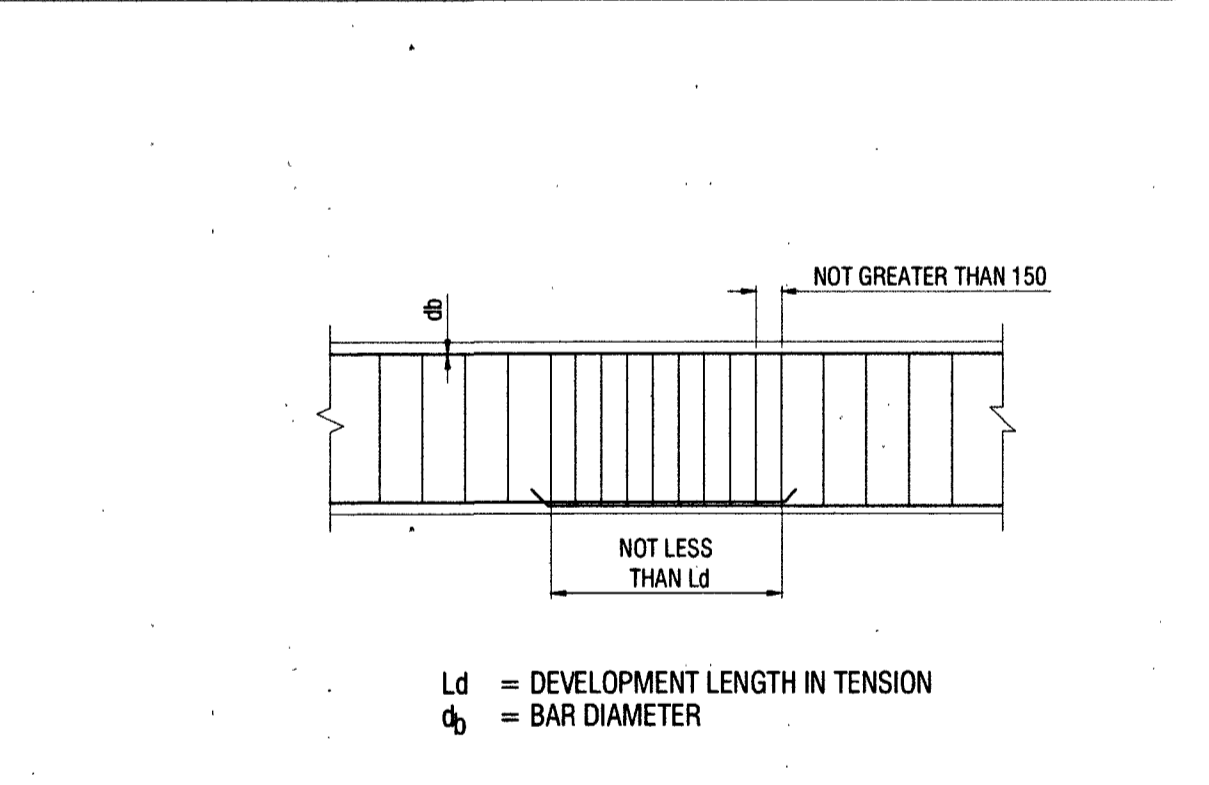
TYPICAL DETAIL OF BEAMS AT DIFFERENT DEPTH



TYPICAL DETAIL AT COLUMN AND ROOF BEAM JUNCTION LEVEL

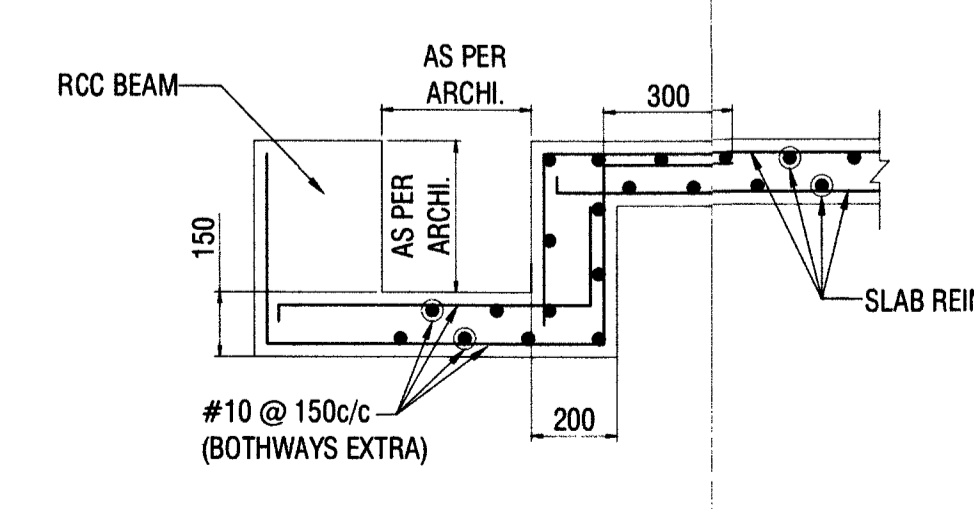


TYPICAL DETAIL AT COLUMN & FLOOR / PLINTH BEAM JUNCTION LEVEL

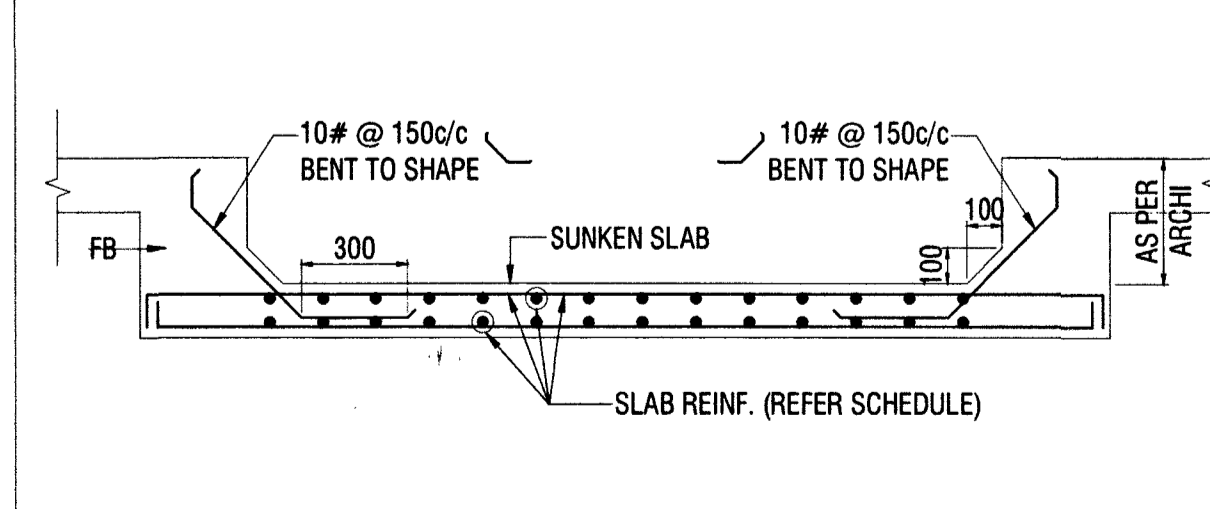


TYP. DETAIL FOR THE LAP, SPLICE IN BEAM

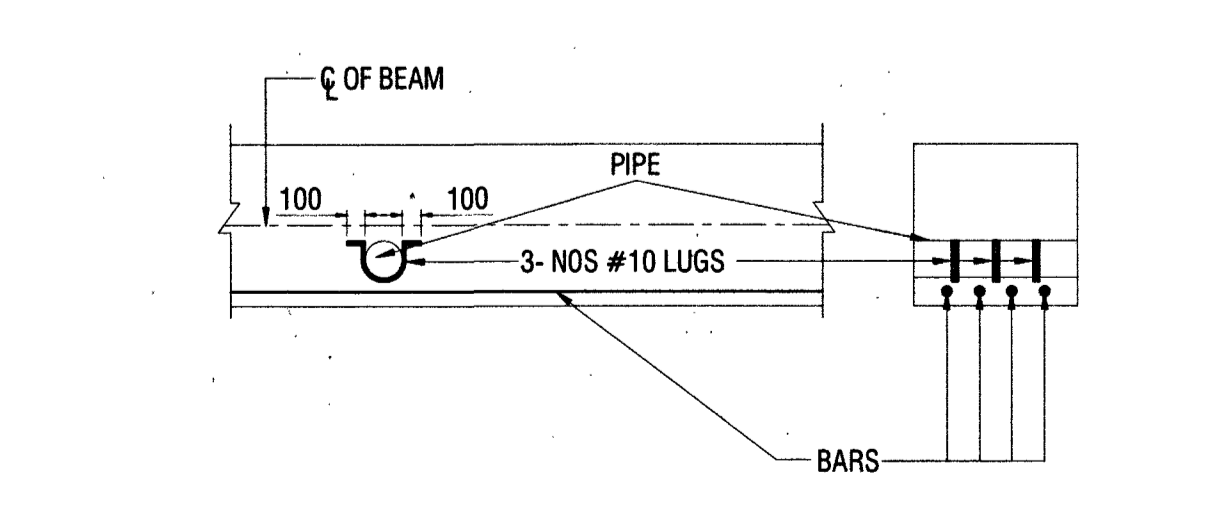
NOTE :- THE LONGITUDINAL BARS SHALL BE SPLICED, ONLY IF HOOPS ARE PROVIDED OVER THE ENTIRE SPLICE LENGTH. AT A SPACING NOT EXCEEDING 150 MM. THE LAP LENGTH SHALL NOT BE LESS THAN THE BAR DEVELOPMENT LENGTH IN TENSION. LAP SPLICES SHALL NOT BE PROVIDED: (A) WITHIN A JOINT, (B) WITHIN A DISTANCE OF 2D FROM JOINT FACE, AND (C) WITHIN A QUARTER LENGTH OF THE MEMBER WHERE FLEXURAL YIELDING MAY GENERALLY OCCUR UNDER THE EFFECT OF EARTHQUAKE FORCES. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION.



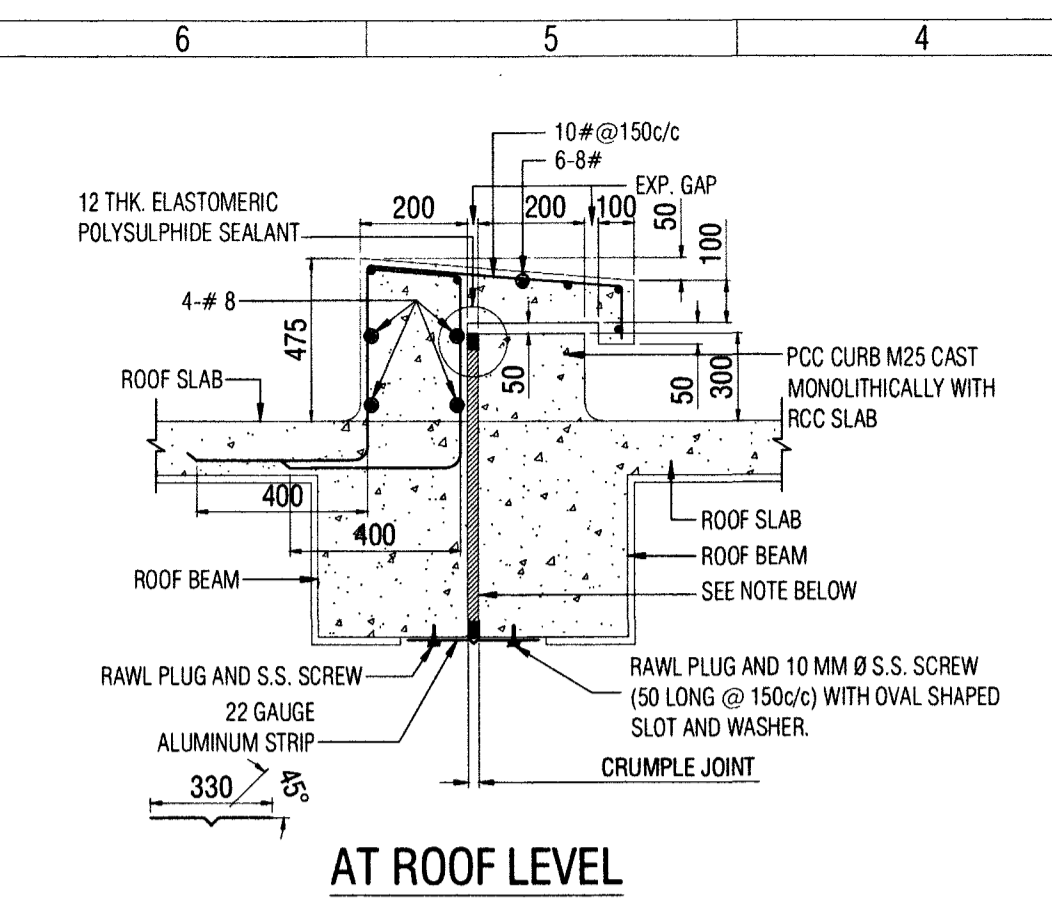
TYPICAL DETAIL OF LOCAL SUNK



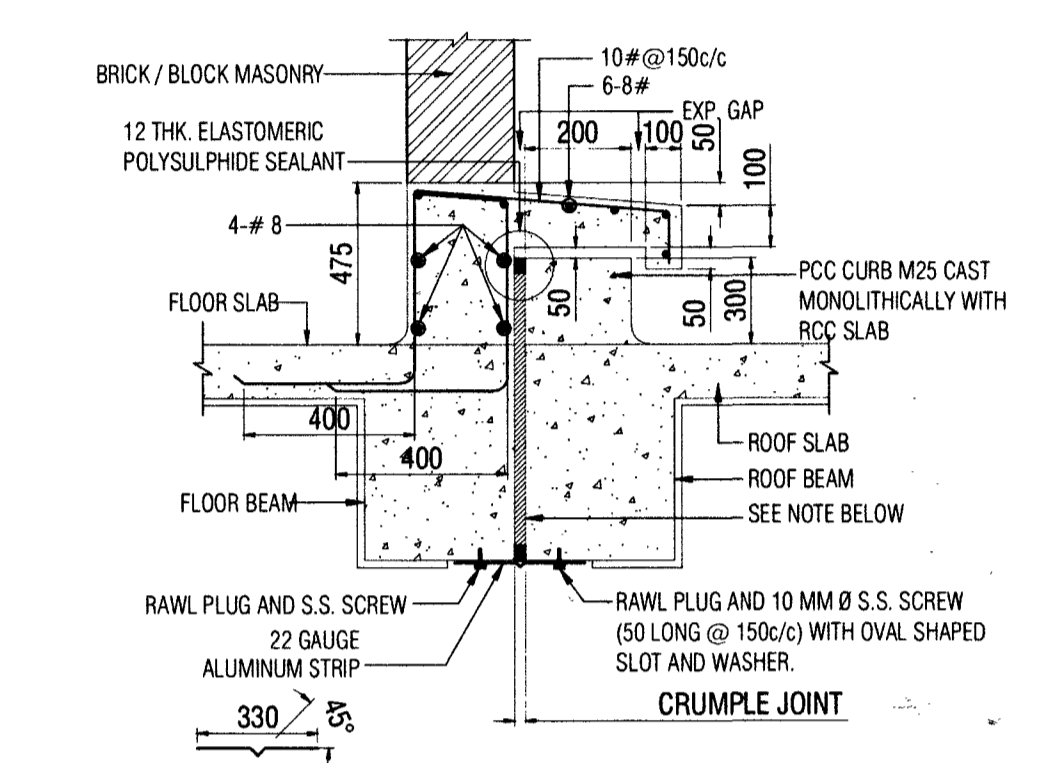
TYPICAL DETAIL OF SUNKEN SLAB



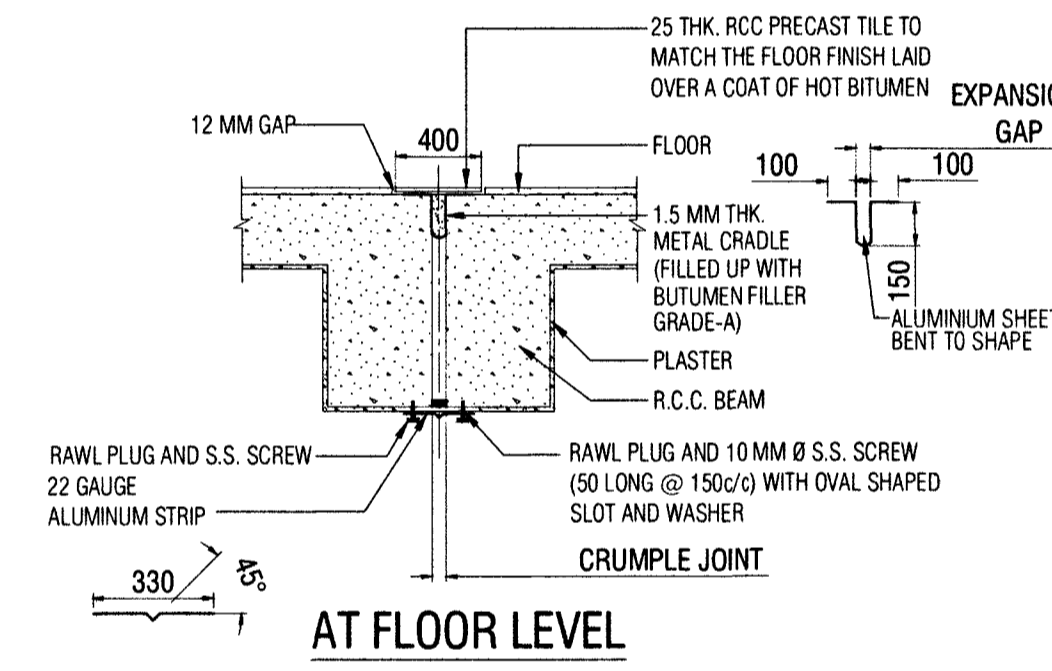
TYPICAL DETAIL OF PIPE SLEEVE IN RCC BEAM



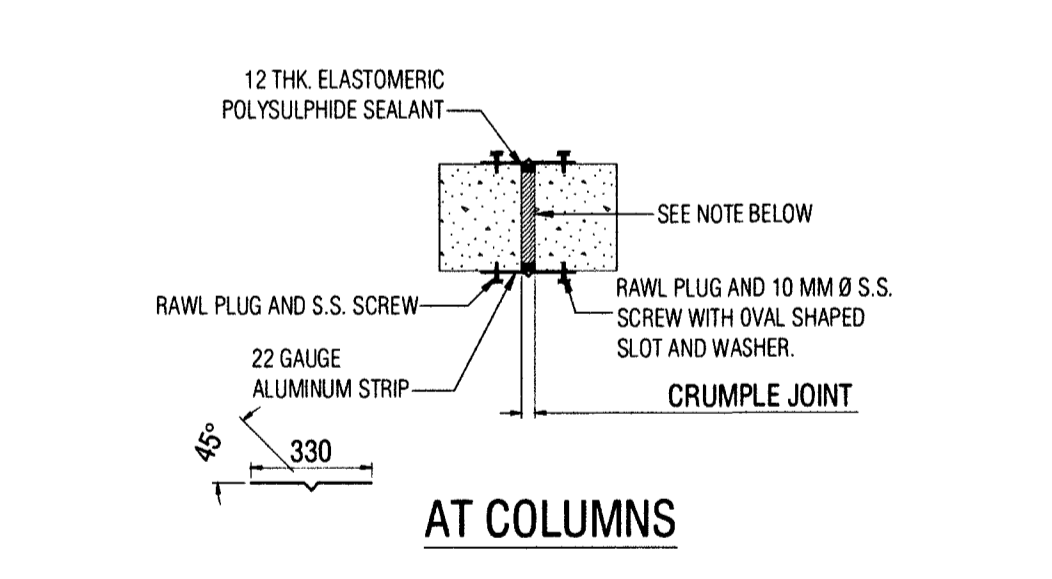
AT ROOF LEVEL



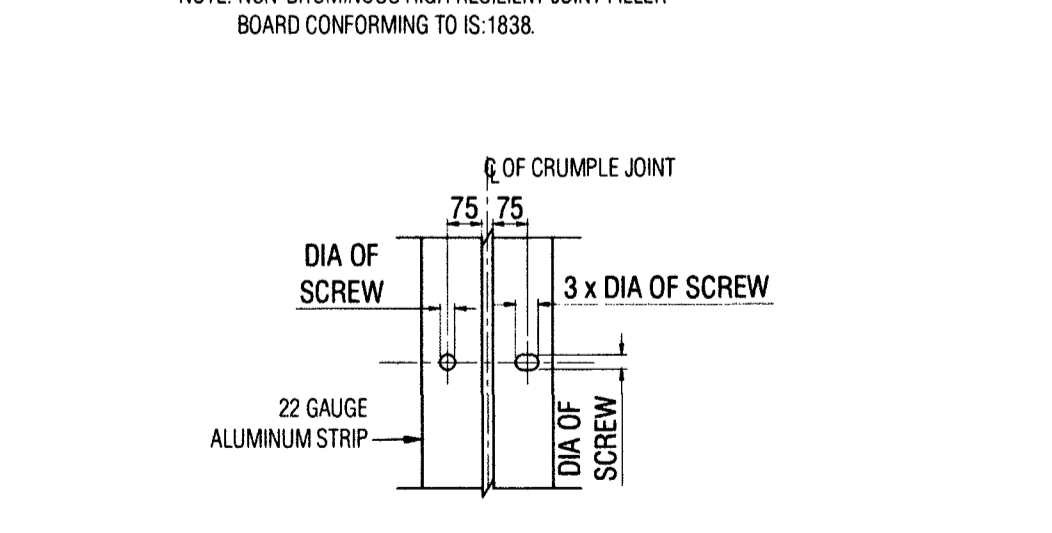
AT ROOF AND FLOOR LEVEL



AT FLOOR LEVEL



AT COLUMNS



PLAN DETAIL OF 22 GAUGE ALUMINIUM STRIP FIXING (TYP.) HOLE SHOULD BE DONE IN STAGGERED PATTERN

CRUMPLE (EXPANSION) JOINT DETAIL

REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES

NOTES:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
- CONTRACTOR SHOULD VERIFY AND CHECK ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND:-

- PB: PLINTH BEAM
- GB: GROUND BEAM
- FB: FLOOR BEAM
- RB: ROOF BEAM
- LB: LINTEL BEAM
- RL: RUNNING LINTEL
- MLB: MID LANDING BEAM
- FS: FLOOR SLAB
- RS: ROOF SLAB
- NGL: NATURAL GROUND LEVEL
- PCC: PLAN CEMENT CONCRETE
- RCC: REINFORCED CEMENT CONCRETE
- #: DIA OF REBAR

CHECKED & VETTED

DCE
Department of Civil Engineering
S.V.N.I.T., SURAT

Check & round O.K.

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT: HIERARCHY STRUCTURES
1225 'E' WARD, FLAT NO. C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail: hierarchy.structure.gov@gmail.com

CLIENT: CHIEF ENGINEER PUNE ZONE

NAME OF PROJECT :- PROVN OF TM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE

SHEET TITLE :- STRUCTURAL TYPICAL DETAILS

PROJECT NO.: 2025-26 / 034 **DRG NO.:** HS/2025-26/STR/034

DESIGNED BY	AD
AS	AS
REVIEWED BY	KM
NTS	NTS
DATE	15-03-2026
REVISION NO.	R0

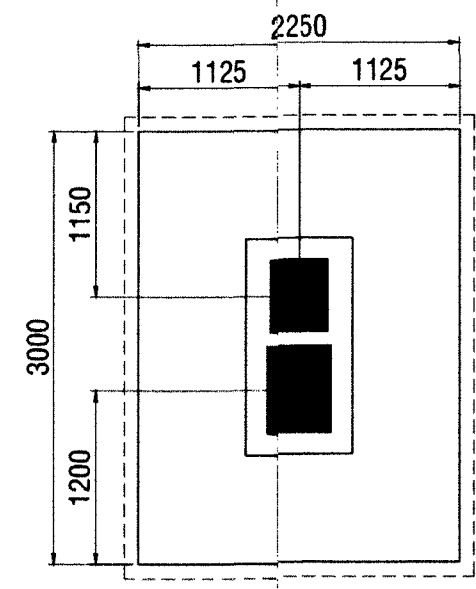
DATE :- 10/04/2026 **SHEET NO.** 02/05

REF. DRG. NO. :- CEP2/2026/AN4/STR/04(CA)

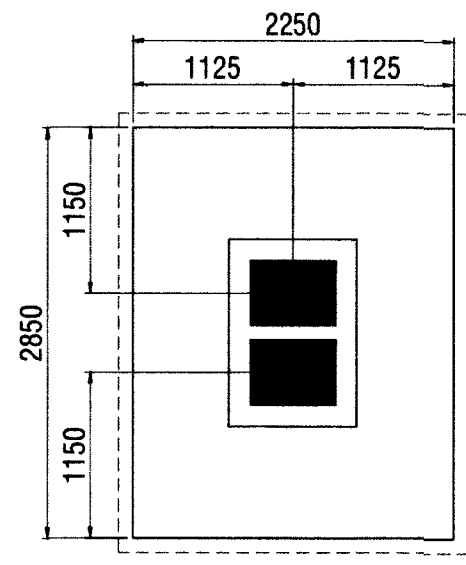
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

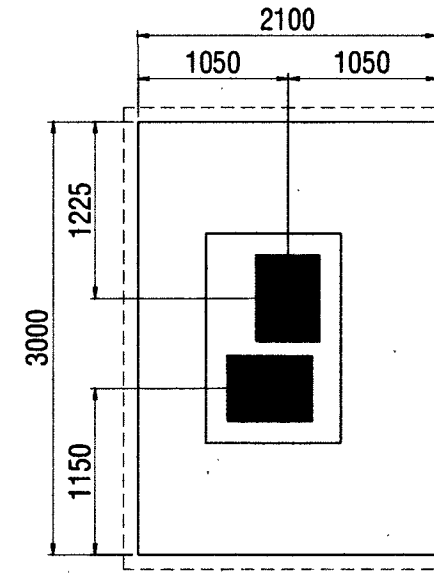
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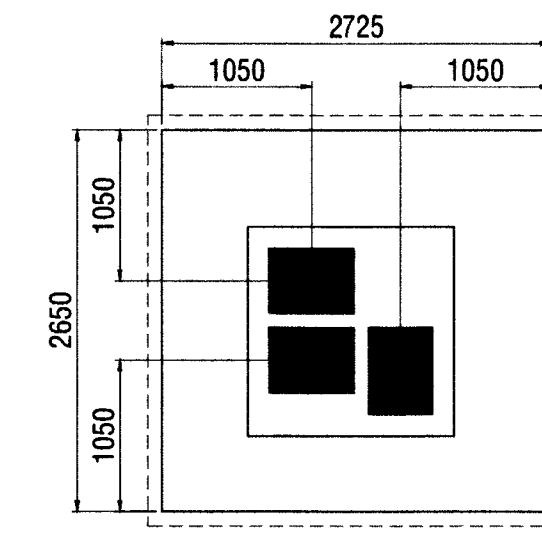
PLAN
DETAILS OF FOOTING MKD. CF2



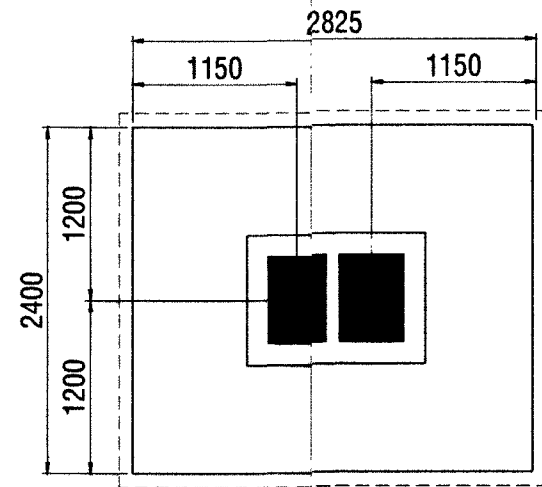
PLAN
DETAILS OF FOOTING MKD. CF3



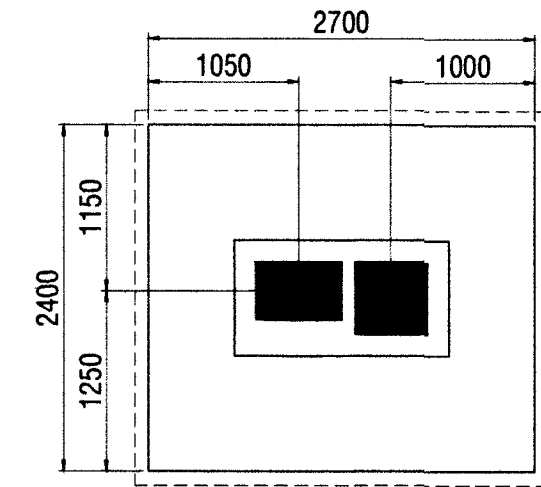
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DETAILS OF FOOTING MKD. CF4



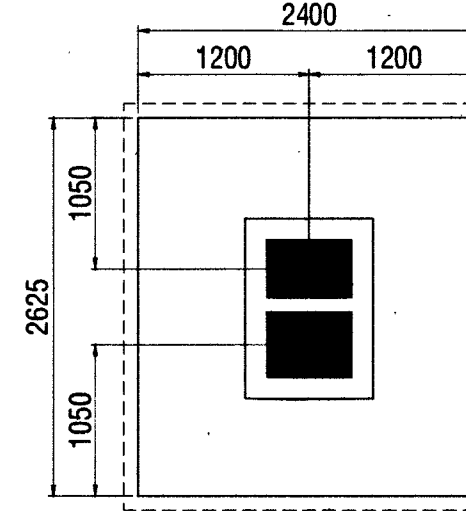
PLAN
DETAILS OF FOOTING MKD. CF5



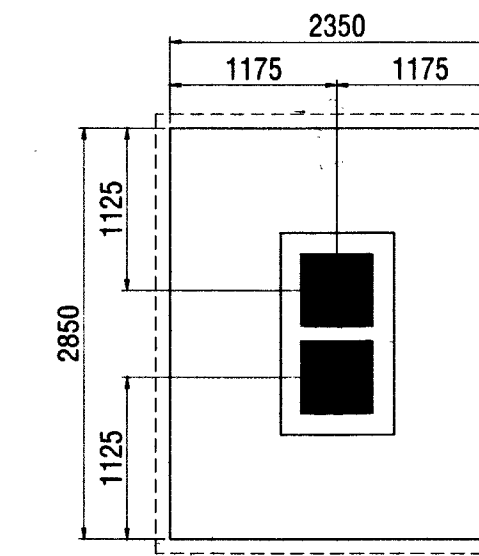
PLAN
DETAILS OF FOOTING MKD. CF6



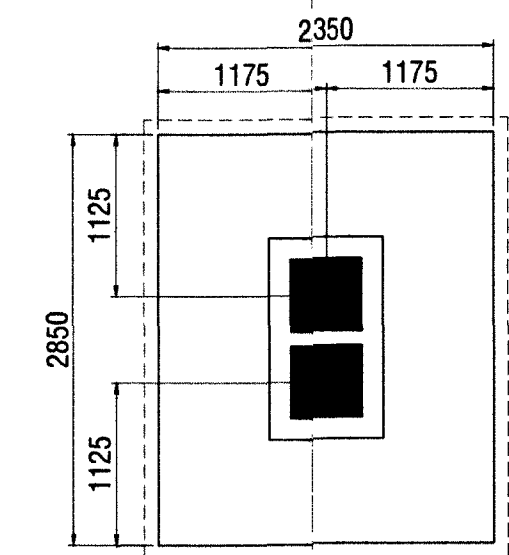
PLAN
DETAILS OF FOOTING MKD. CF7 (AS DRAWN)
DETAILS OF FOOTING MKD. CF7A (MIRROR OF CF7)



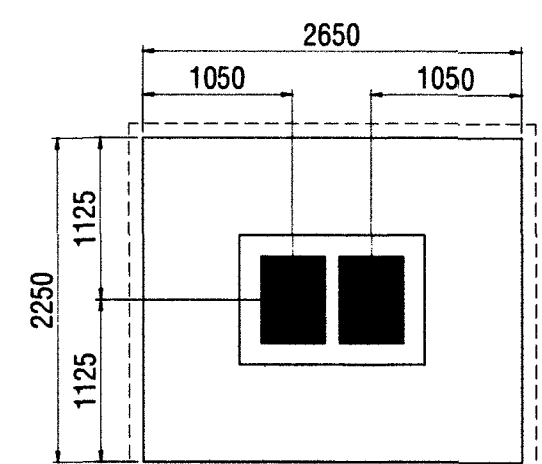
PLAN
DETAILS OF FOOTING MKD. CF8 (AS DRAWN)
DETAILS OF FOOTING MKD. CF8A (MIRROR OF CF8)



PLAN
DETAILS OF FOOTING MKD. CF9 (AS DRAWN)
DETAILS OF FOOTING MKD. CF9A (MIRROR OF CF9)



PLAN
DETAILS OF FOOTING MKD. CF10 (AS DRAWN)
DETAILS OF FOOTING MKD. CF10A (MIRROR OF CF10)



PLAN
DETAILS OF FOOTING MKD. CF11

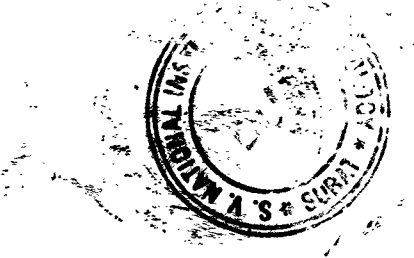
REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

NOTES:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
- CONTRACTOR SHOULD VERIFY AND CHECK ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL ROOM DIMENSION, CENTER LINE DIMENSION SHALL BE SET AS PER ARCHITECTURAL DRAWING.
- BEAM AND OTHER SHALL BE NOT BE CUT THROUGH TO PROVIDE DRAIN PIPES, ETC. SLEEVES OF SUITABLE SIZE SHALL BE PROVIDED AT PREDETERMINED LOCATION BEFORE CASTING OF THE SLAB.
- THE FOUNDATION HAS BEEN DESIGNED FOR THE SBC OF 25 T/m² AT A DEPTH OF 3.00 M (MINIMUM) BELOW THE NATURAL GROUND LEVEL. EXECUTIVES SHALL VERIFY THE SAME BEFORE EXECUTION OF THE WORK.
- FOR GEO-TECHNICAL INVESTIGATION REPORT, REFER REPORT PREPARED BY "VGEOTECH EXPERTS", HAVING REPORT NO. "VGE0/ANG/G/00349(B)", DATED: 09-09-2025
- WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED



Checked & Vetted by
 Dr. Gaurang R. Vesmawala
 Professor of Civil Engineering
 Department of Civil Engineering
 S.V. Vasth. Coll. Surat / S.V.V.I.T. Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:
HIERARCHY STRUCTURES
 1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090
 E-mail : hierarchy.structure.gov@gmail.com

CLIENT:

CHIEF ENGINEER PUNE ZONE
 SHEET NO. 07 / 16

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **PLAN DETAILS OF FOOTING**

PROJECT NO:- 2025-26 / 034	DRG NO:- HS/2025-26/STR/034 - B
DRAWN BY SB	DESIGNED BY AS
REVIEWED BY BT	SCALE NTS
DATE 15-03-2026	REVISION NO: R0

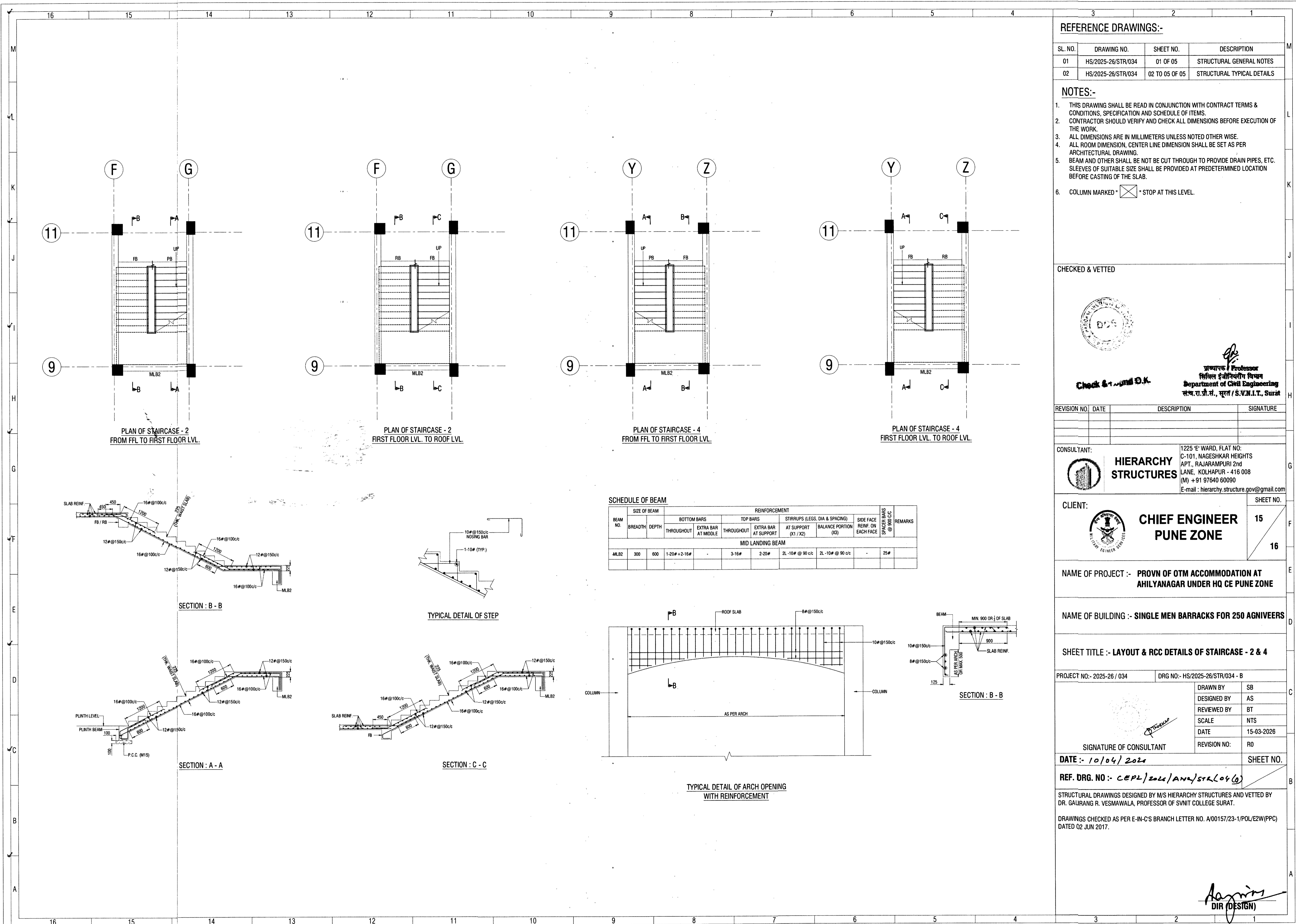
DATE :- 10/04/2026 SHEET NO.

REF. DRG. NO :- **CEPL/2026/AM/STR/04(B)**

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

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 DIR (DESIGN)




REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

- NOTES:-**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
 - CONTRACTOR SHOULD VERIFY AND CHECK ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL ROOM DIMENSION, CENTER LINE DIMENSION SHALL BE SET AS PER ARCHITECTURAL DRAWING.
 - BEAM AND OTHER SHALL BE NOT CUT THROUGH TO PROVIDE DRAIN PIPES, ETC. SLEEVES OF SUITABLE SIZE SHALL BE PROVIDED AT PREDETERMINED LOCATION BEFORE CASTING OF THE SLAB.
 - COLUMN MARKED * * STOP AT THIS LEVEL.

CHECKED & VETTED

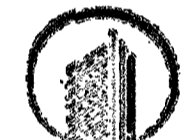


Check & Sign D.K.

Pravin / Professor
કલિલ ઇન્જિનિયરિંગ વિષય
Department of Civil Engineering
સંચ.રા.પી.સ., સુરત / S.V.N.I.T., Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE


CONSULTANT:



HIERARCHY STRUCTURES

1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090
 E-mail : hierarchy.structure.gov@gmail.com

CLIENT:



CHIEF ENGINEER PUNE ZONE

SHEET NO. 15 / 16

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **LAYOUT & RCC DETAILS OF STAIRCASE - 2 & 4**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
REVISION NO:	R0

DATE :- 10/04/2024 SHEET NO.

REF. DRG. NO :- CEPL/2024/ANL/STR/04(B)

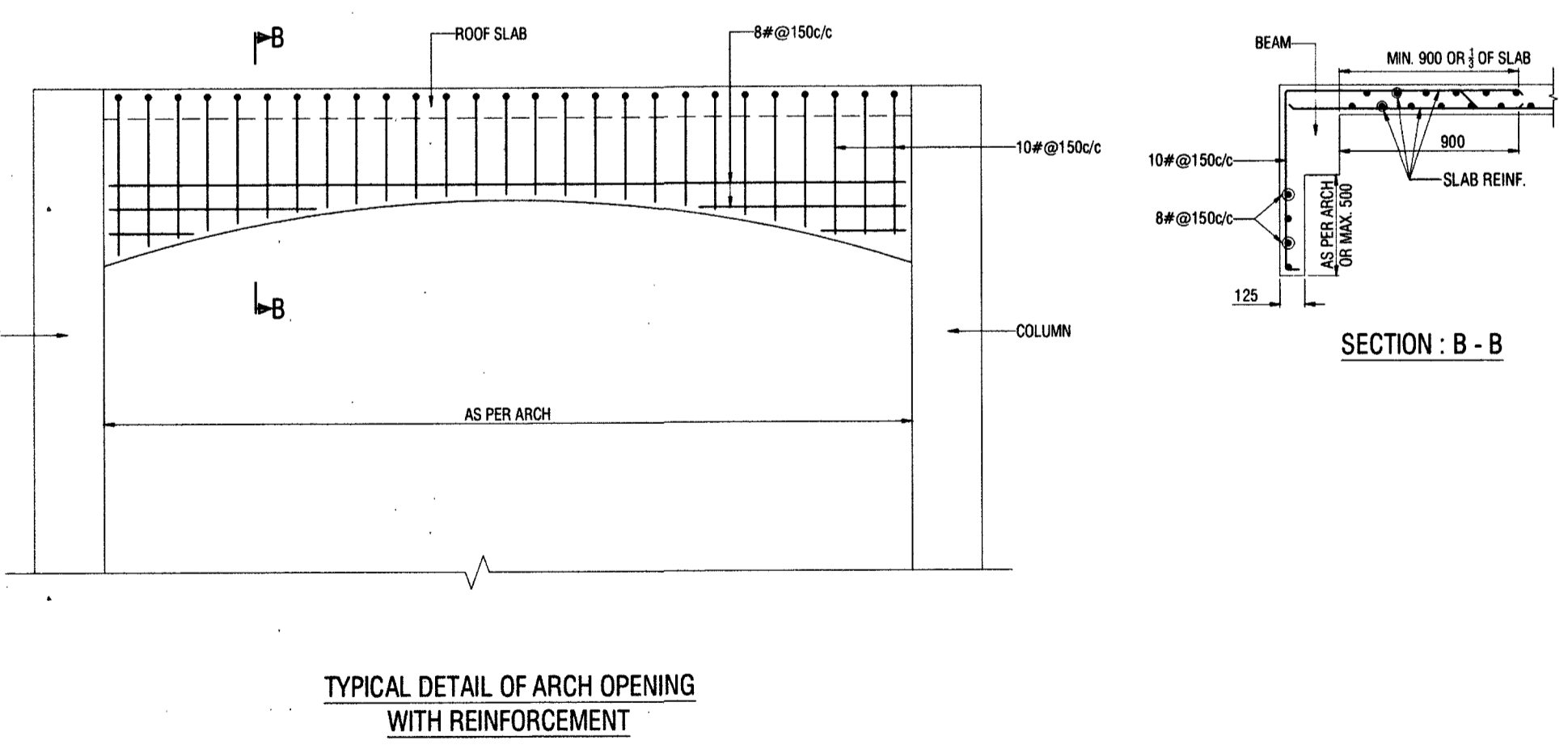
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

Aspirin
DIR (DESIGN)

SCHEDULE OF BEAM

BEAM NO.	SIZE OF BEAM		REINFORCEMENT						REMARKS	
	BREADTH	DEPTH	BOTTOM BARS THROUGHOUT	EXTRA BAR AT MIDDLE	TOP BARS THROUGHOUT	EXTRA BAR AT SUPPORT	STIRRUPS (LEGS, DIA & SPACING) AT SUPPORT (X1 / X2)	BALANCE PORTION (X3)		SIDE FACE REINF. ON EACH FACE
MID LANDING BEAM										
MLB2	300	600	1-20# + 2-16#	-	3-16#	2-20#	2L-10# @ 90 c/c	2L-10# @ 90 c/c	-	25#



16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

1.0 GENERAL

1.1 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.

1.2 THESE GENERAL NOTES SHALL BE APPLICABLE TO ALL OUR DRAWINGS THROUGHOUT THE PROJECT.

1.3 ALL DIMENSION ARE IN MM AND LEVELS ARE IN METER UNLESS NOTED OTHERWISE.

1.4 ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS & ANY DISCREPANCY SHALL BE BROUGHT TO OUR NOTICE BEFORE EXECUTION.

1.5 NO DIMENSIONS SHALL BE SCALED FROM STRUCTURAL DRAWINGS, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. ANY MISSING DETAILS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT / SITE ENGINEER BEFORE EXECUTION. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.

1.6 BACKFILLING AROUND FOUNDATION TRENCHES AND PLINTH SHALL BE DONE WITH GOOD SOIL HAVING NON-SWELLING & NON-SILTING CHARACTERISTIC, PROPERLY WATERED & COMPACTED IN LAYER OF A THICKNESS NOT MORE THAN 300 MM DEPTH.

1.7 ALL THE MATERIALS USED IN CONSTRUCTION SUCH AS CEMENT, MILD / TMT / HYSD STEEL, COARSE AGGREGATE (KAPACHI), FINE AGGREGATE (SAND), STRUCTURAL STEEL SECTIONS, AAC BLOCKS / BRICKS, ETC. SHALL BE OF GOOD QUALITY & CONFORMING TO RELEVANT INDIAN STANDARD. ALL NECESSARY TESTING OF MATERIAL SHALL BE DONE BEFORE USING THE MATERIAL FOR EXECUTION.

1.8 THE STRUCTURE IS DESIGNED AS PER RELEVANT I.S CODE AND FOR FOLLOWING ENVIRONMENT CONDITIONS:

(a) SEISMIC ZONE : III (THREE)

(b) BASIC WIND SPEED (Vb) : 39 M/SEC

(c) EXPOSURE CONDITION : MODERATE

(d) FIRE RATING : 2 HOURS

1.9 THE STRUCTURE IS NOT DESIGNED FOR ANY IMPACT OR BLASTING, LOCAL HEAVY AND CONTINUOUS GROUND VIBRATION.

1.10 THE PORTAL OR FRAME OF STRUCTURE SHALL NOT BE USED FOR ANY LOADING/ UNLOADING OPERATIONS.

1.11 ANY STRUCTURAL ALTERATION MADE OR ANY CHANGE IN LOADING CONDITION ON STRUCTURE, MAY AFFECT THE TOTAL DESIGN OF STRUCTURE FOR WHICH DESIGNER WILL NOT BE RESPONSIBLE.

1.12 ALL FOOTING SHALL REST ON VIRGIN SOIL. LEAN CONCRETE (M10) UNDER THE FOUNDATION SHALL BE PROVIDED AND IT SHALL EXTEND 100 MM BEYOND THE EDGE OF RCC UNLESS NOTED OTHERWISE.

1.13 FOR NET SAFE BEARING CAPACITY (SBC) OF SOIL, REFER RESPECTIVE FOUNDATION DRAWINGS.

1.14 SUB-SOIL STRATA AT SITE SHALL BE VERIFIED BY CONTRACTOR PRIOR TO EXECUTION. IF IN THE COURSE OF EXCAVATION, SUB-SOIL STRATA DIFFERS FROM THE BORELOG STRATA, THE SAME SHALL BE REPORTED TO ENGINEER-IN-CHARGE / GE FOR NECESSARY STEPS.

1.15 BLACK COTTON SOIL, IF ENCOUNTERED IN FOUNDATION PITS, SHALL BE FULLY REMOVED.

1.16 SUITABILITY OF SOIL FOR STRUCTURAL BACKFILLING: THE TOP SOIL IS OF NON SWELLING CHARACTERISTIC, WHICH IS SUITABLE FOR STRUCTURAL BACKFILLING (FOR PLINTH, FLOORING, FOUNDATION TRENCH ETC.) AND SAME SHALL BE COMPACTED AT 95% OF MDD.

2.0 CONCRETE WORK

2.1 CEMENT FOR ALL RCC / PCC AND OTHER WORK SHALL BE ORDINARY PORTLAND CEMENT (OPC) UNLESS OTHERWISE SPECIFIED IN TENDER / DRAWINGS. IT SHALL CONFIRM TO IS-269 :2015. THE CATEGORY / DESIGNATION AS PER CLAUSE 4 OF IS-269:2015 SHALL BE AS SPECIFIED IN TENDER.

2.2 CEMENT OF DIFFERENT TYPES SHALL NOT BE MIXED FOR CASTING ANY STRUCTURAL MEMBER.

2.3 ALL STRUCTURAL REINFORCED CONCRETE WORK SHALL BE WITH DESIGN MIX CONCRETE OF GRADE **M25 FOR BUILDING & RETAINING WALL AND M30 FOR WATER RETAINING STRUCTURES** UNLESS MENTIONED IN THE DESIGN DRAWING. PROPER MIX DESIGN AS PER IS:10262-2019 SHALL BE DONE TO ACHIEVE PROPER CONCRETE GRADE. VIBRATORS SHALL BE USED WHILE CONCRETE PLACEMENT.

2.4 THE SHUTTERING MAY BE REMOVED AS FOLLOWS AFTER CASTING CONCRETE IN NORMAL CIRCUMSTANCES AS PER IS 456:2000

SR NO.	TYPE OF FORMWORK	MINIMUM PERIOD BEFORE STRIKING FORMWORK	
		FOR CONCRETE MADE USING OPC	FOR CONCRETE MADE USING CEMENT OTHER THAN OPC OR USING MINERAL ADMIXTURES LIKE FLY ASH AND SLAG
i)	VERTICAL FORMWORK TO COLUMN, WALLS, BEAMS	16-24h	16-24h
ii)	SOFFIT FORMWORK TO SLABS (PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	3 DAYS	7 DAYS
iii)	SOFFIT FORMWORK TO BEAMS (PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	7 DAYS	10 DAYS
iv)	PROPS TO SLABS :	1) SPANNING UP TO 4.5M	7 DAYS
		2) SPANNING OVER 4.5M	14 DAYS
iv)	PROPS TO BEAMS AND ARCHES :	1) SPANNING UP TO 6M	14 DAYS
		2) SPANNING OVER 6M	21 DAYS

NOTES:- 1) UTMOST CARE SHALL BE TAKEN TO PROVIDE PROPS. THE PROPS SHALL BE PROVIDED IMMEDIATELY AFTER STRIPPING EACH SHUTTERING PANEL AND NOT AFTER STRIPPING ALL THE PANELS OF THE ENTIRE SLAB.
2) PROVIDED CONCRETE CUBE TESTING IS DONE TO ENSURE THAT THE FOLLOWING MINIMUM STRENGTH IS ACHIEVED:

a) 3 DAYS :- 45% OF SPECIFIED STRENGTH.
b) 7 DAYS :- 60% OF SPECIFIED STRENGTH.
c) 14 DAYS :- 85% OF SPECIFIED STRENGTH.

2.5 CONCRETE SAMPLE CUBES SHALL BE TAKEN FOR ALL PARTS OF BUILDINGS COMPONENTS & STRENGTH VERIFIED.

2.6 LAP IN REINFORCEMENT SHALL BE PROVIDED NEAR TO SUPPORT IN CASE OF SIMPLY SUPPORTED MEMBERS AND STAGGERED FOR CONTINUOUS BEAM OR SLAB. NO LAP SHALL BE PROVIDED FOR EXTRA TOP BARS.

2.7 LAP LENGTH FOR VARIOUS BARS SHALL BE 50 TIMES THE BAR DIAMETER FOR ALL MEMBERS UNLESS NOTED OTHERWISE.

2.8 PROPER COVER SHALL BE MAINTAINED FOR ALL R.C.C MEMBERS BY ATTACHING SUITABLE COVER BLOCKS TO REINFORCEMENT BARS. THE CLEAR COVER FOR PROTECTION OF MAIN REINFORCEMENT FOR DIFFERENT MEMBERS SHALL BE AS FOLLOWS:

(a) FOUNDATION ----- 50MM

(c) COLUMN ----- 40MM

(d) LINTEL, CHAJJAS, RCC DROPS ----- 30MM

(e) BEAM ----- 30MM

(f) SLAB, STAIR-CASE ----- 30MM

2.9 NO CHANGE EITHER IN SIZE OR REINFORCEMENT SHALL BE MADE WITHOUT STRUCTURAL ENGINEER'S WRITTEN APPROVAL OR CORRECTIONS IN DRAWINGS.


2.10 UNDER NO CIRCUMSTANCES, CONCRETING BE DONE UNLESS REINFORCEMENT IS CHECKED, APPROVED & CERTIFIED BY STRUCTURAL ENGINEER / SITE ENGINEER.

2.11 THE BEAM DEPTHS MENTIONED IN OUR DRAWING INCLUDES SLAB THICKNESS, WHEREVER APPLICABLE.

LEGEND:-

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- GB: GROUND BEAM
- FB: FLOOR BEAM
- RB: ROOF BEAM
- LB: LINTEL BEAM
- RL: RUNNING LINTEL
- MLB: MID LANDING BEAM
- FS: FLOOR SLAB
- RS: ROOF SLAB
- FFL: FLOOR FINISH LEVEL
- NGL: NATURAL GROUND LEVEL
- PCC: PLAN CEMENT CONCRETE
- RCC: REINFORCED CEMENT CONCRETE
- #: DIA OF REBAR

CHECKED & VETTED



Check & found O.K.

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT: **HIERARCHY STRUCTURES**

1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail : hierarchy.structure.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**

SHEET NO. 01 / 05

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

SHEET TITLE :- **STRUCTURAL GENERAL NOTES**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034

DRAWN BY	AD
DESIGNED BY	AS
REVIEWED BY	KM
SCALE	NTS
DATE	15-03-2026
REVISION NO:	R0

SIGNATURE OF CONSULTANT

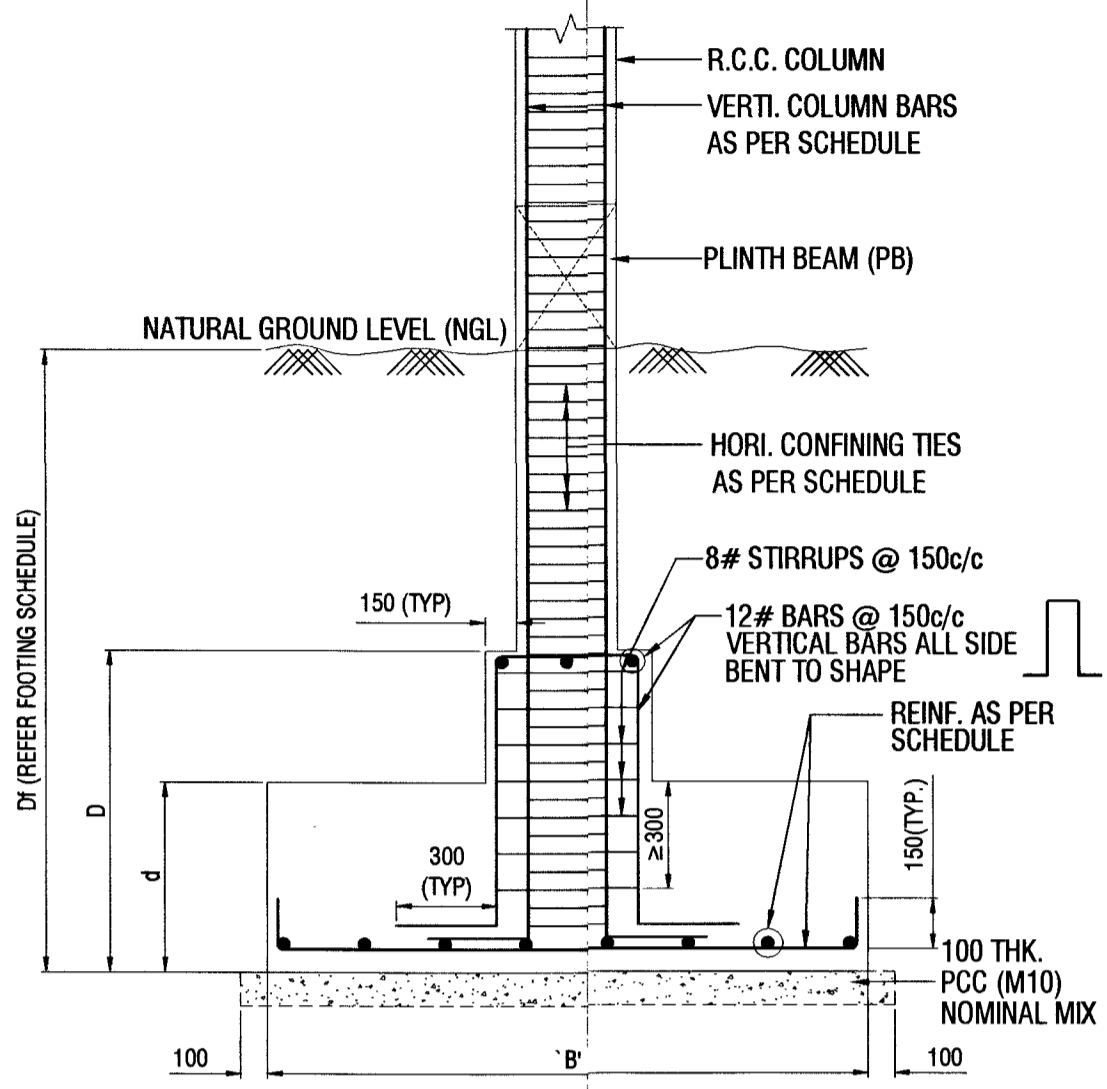
DATE :- 10/04/2026 SHEET NO.

REF. DRG. NO :- CEP2/2026/ANA/STR/09(0)

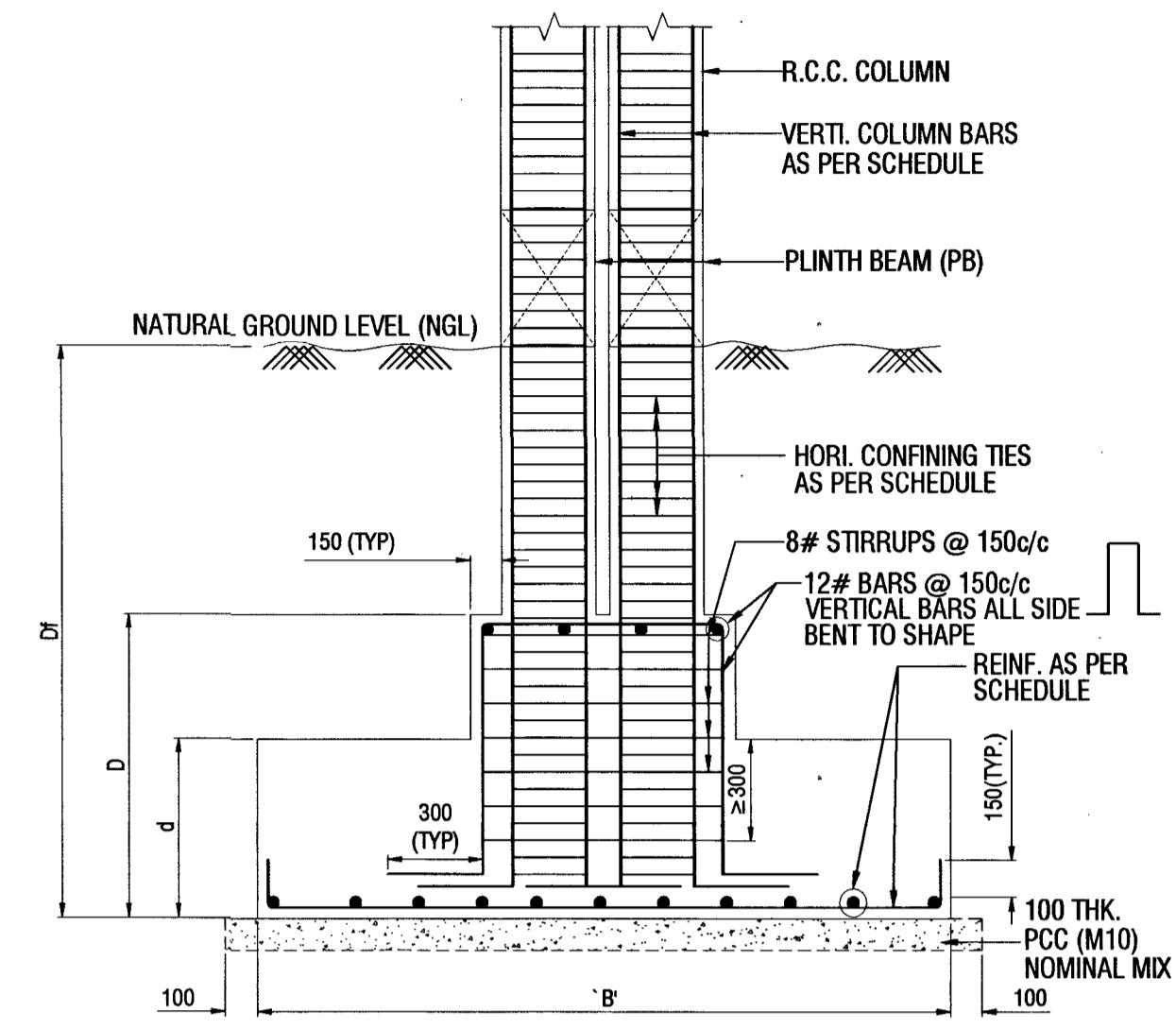
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

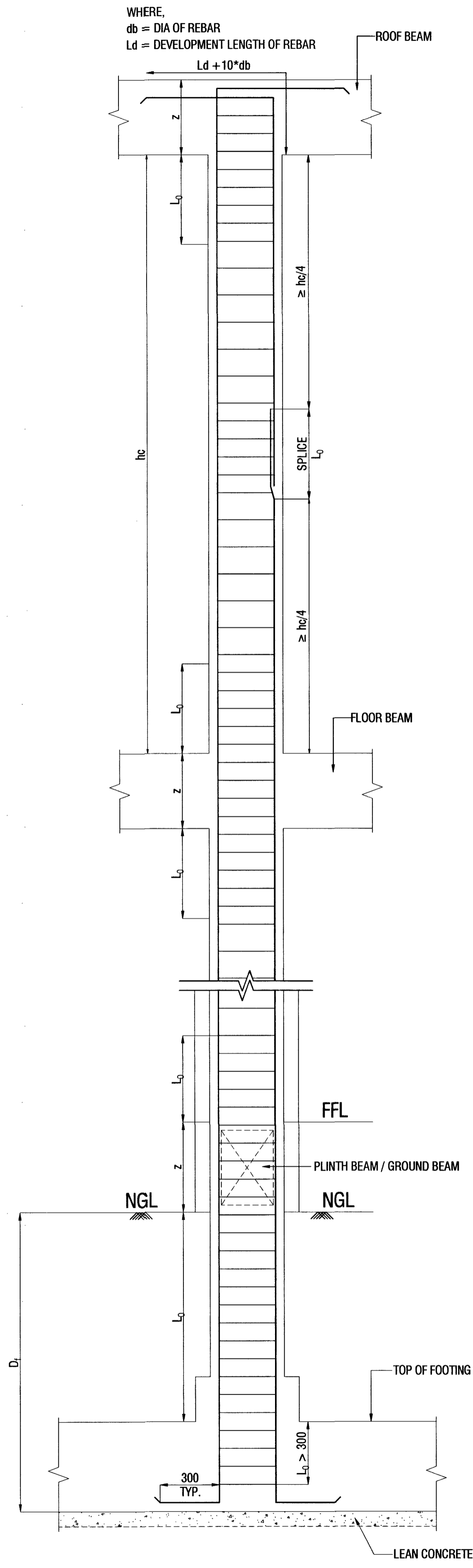
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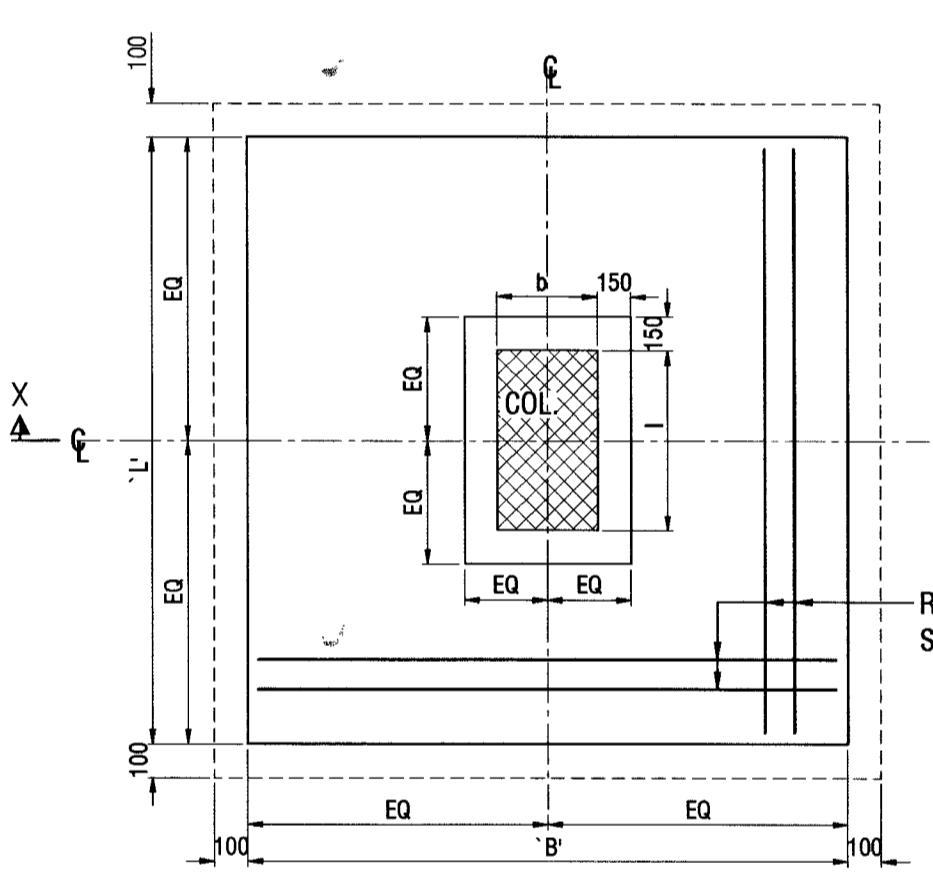
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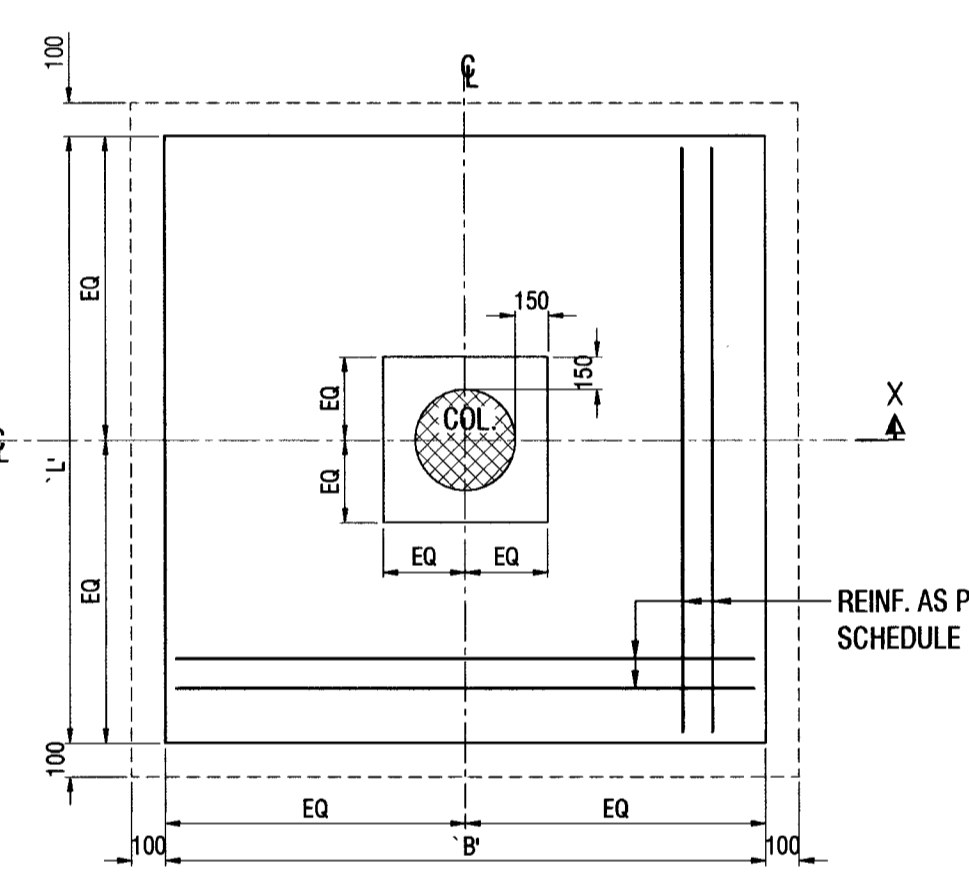
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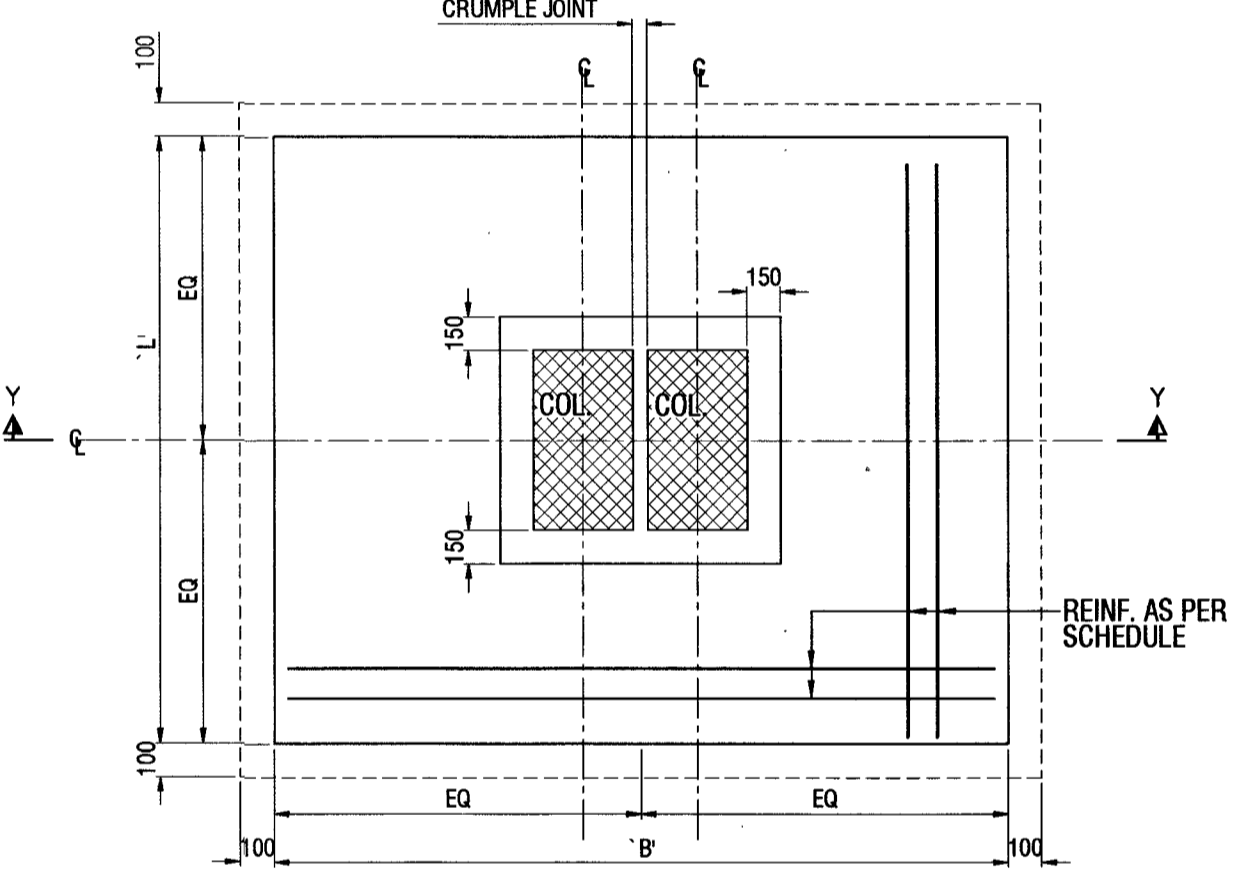
TYPICAL DETAIL OF TIES ARRANGEMENT OF COLUMN BETWEEN FLOOR TO FLOOR OR BEAM TO BEAM



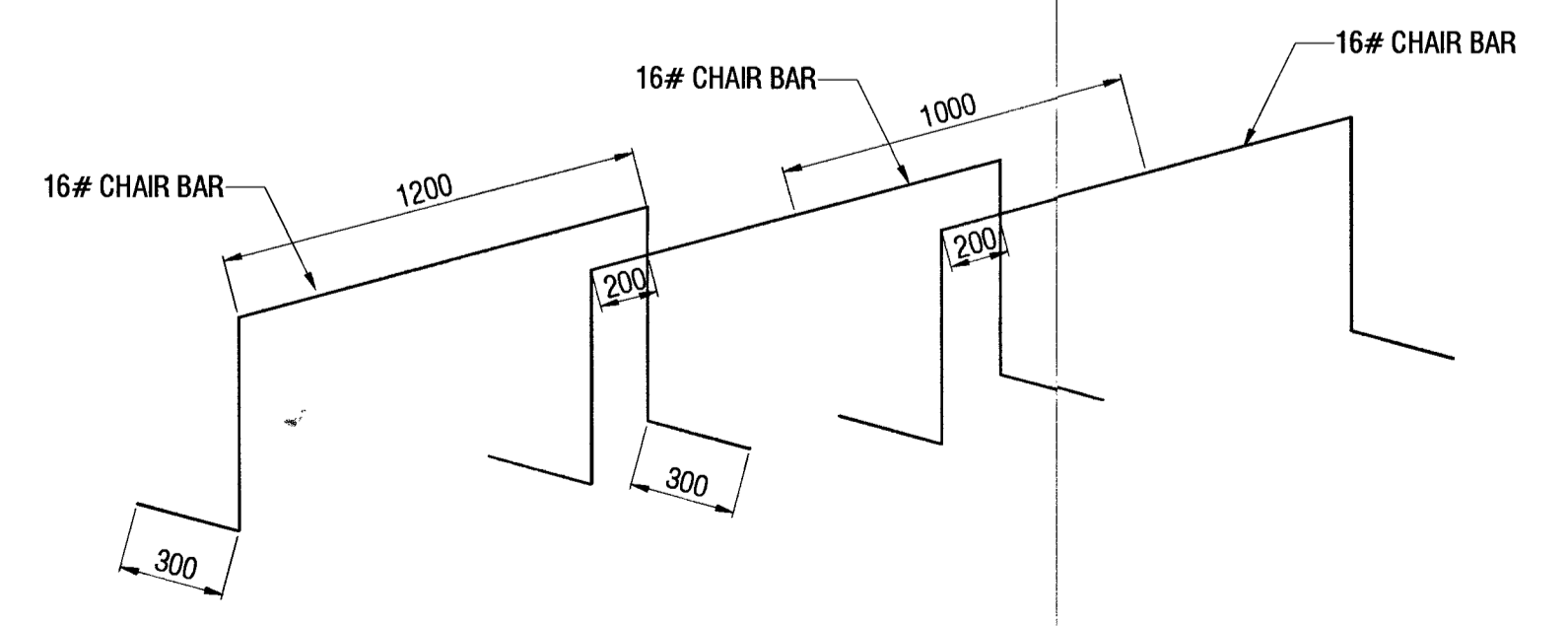
TYPICAL COLUMN FOOTING PLAN (SQUARE/RECTANGULAR COLUMN)



TYPICAL COLUMN FOOTING PLAN (CIRCULAR COLUMN)



TYPICAL COLUMN FOOTING PLAN (AT EXPANSION JOINT)



DETAILS OF CHAIRS FOR ISOLATED / COMBINED / MAT FOUNDATION
(NOTE: CHAIR SPACING 1000 c/c ALONG THE LENGTH OF CHAIR AND 1200 c/c ON OTHER DIRECTION)

NOTE:-
L₀ IS LARGER OF THE FOLLOWING:-
a) L₀ = 1/6 OF CLEAR SPAN OF COLUMN
b) LARGER LATERAL DIMENSION OF COLUMN
c) 450 MM

REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES

NOTES:-

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- CONTRACTOR SHOULD VERIFY AND CHECK ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- CONFINING TIES AT LOCATION OF SPLICE SHALL BE SAME AS INDICATED FOR 'L₀' IN COLUMN SCHEDULE.

LEGEND:-

- PB: PLINTH BEAM
- GB: GROUND BEAM
- FB: FLOOR BEAM
- RB: ROOF BEAM
- LB: LINTEL BEAM
- RL: RUNNING LINTEL
- MLB: MID LANDING BEAM
- FS: FLOOR SLAB
- RS: ROOF SLAB
- FFL: FLOOR FINISH LEVEL
- NGL: NATURAL GROUND LEVEL
- PCC: PLAN CEMENT CONCRETE
- RCC: REINFORCED CEMENT CONCRETE
- #: DIA OF REBAR

CHECKED & VETTED



Check & Found O.K.
 Dr. Gaurang R. Vesamwala
 Professor
 Department of Civil Engineering
 S.V.N.I.T., Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT: **HIERARCHY STRUCTURES**
 1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail: hierarchy.structure.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**
 SHEET NO. 03 / 05

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

SHEET TITLE :- **STRUCTURAL TYPICAL DETAILS**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034

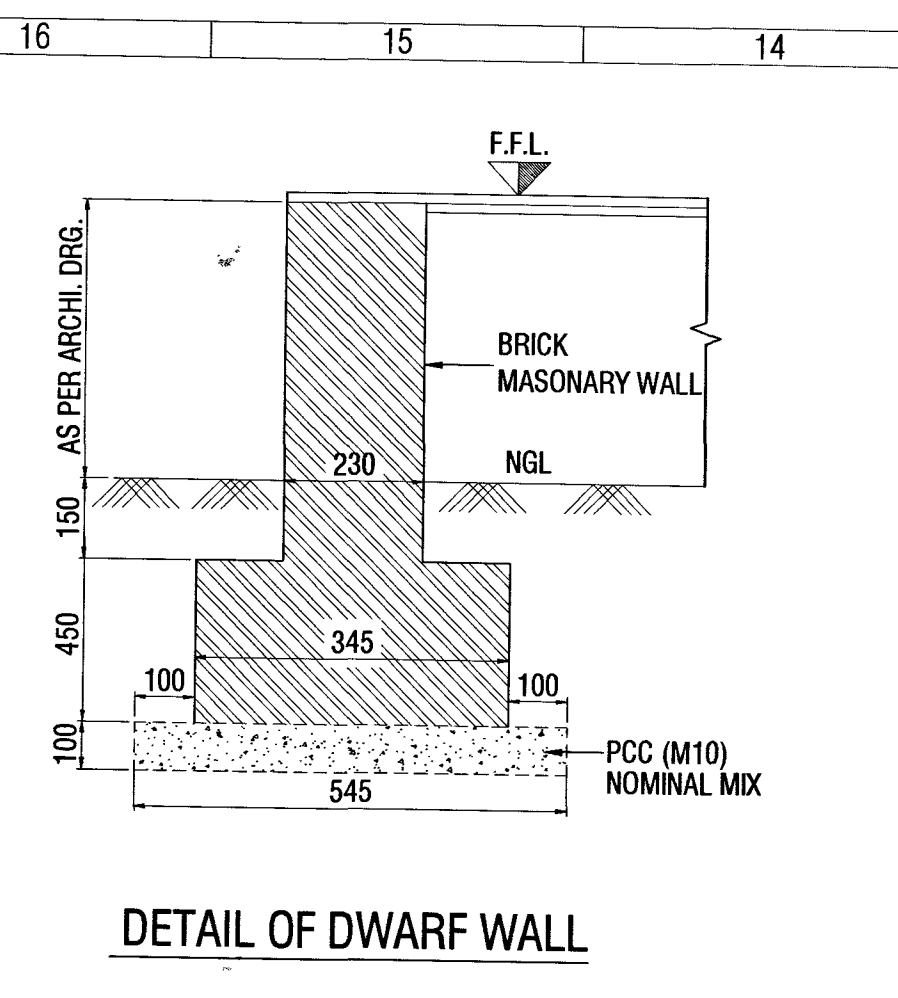
DRAWN BY	AD
DESIGNED BY	AS
REVIEWED BY	KM
SCALE	NTS
DATE	15-03-2026
REVISION NO:	RD

DATE :- 10/04/2026
 SIGNATURE OF CONSULTANT
 REF. DRG. NO :- CBP2/2026/AN4/ST4/04(A)

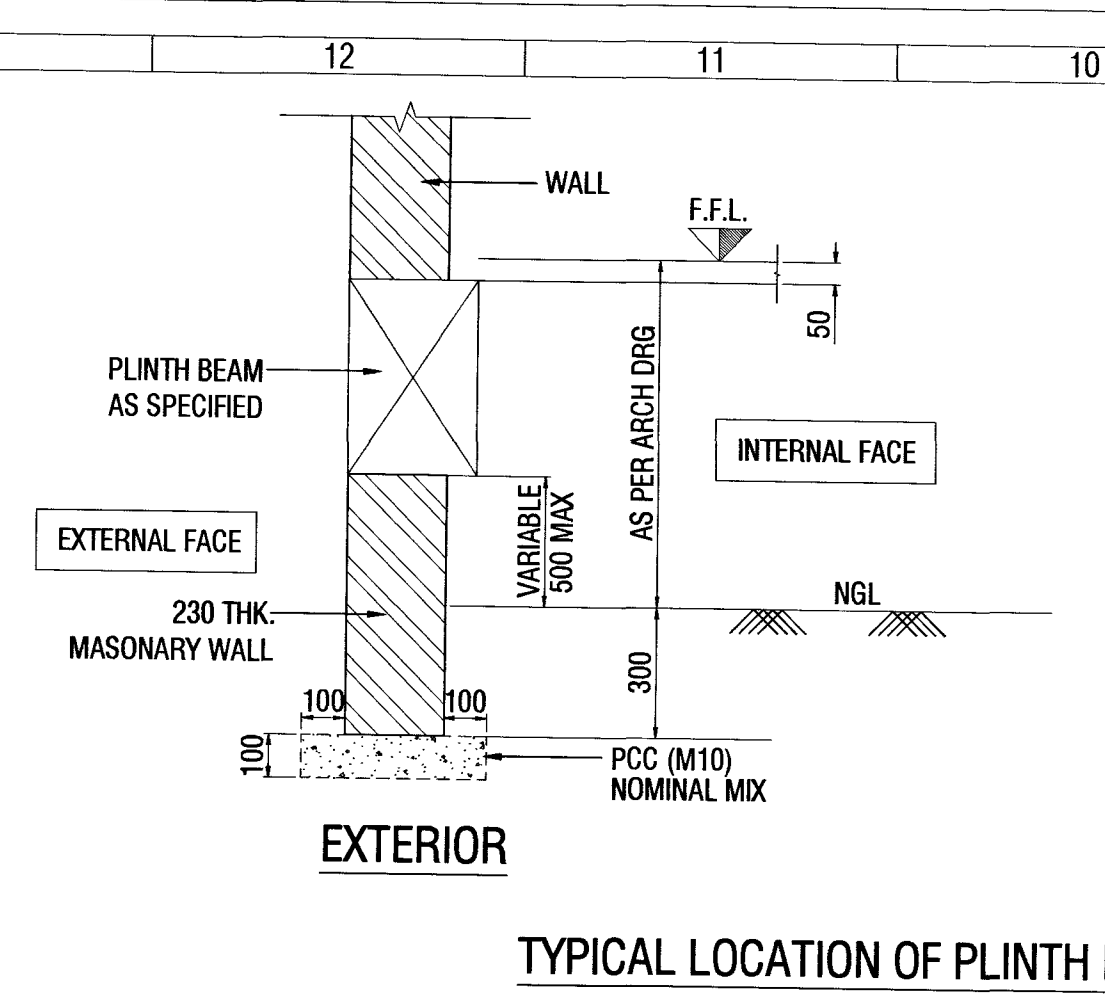
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

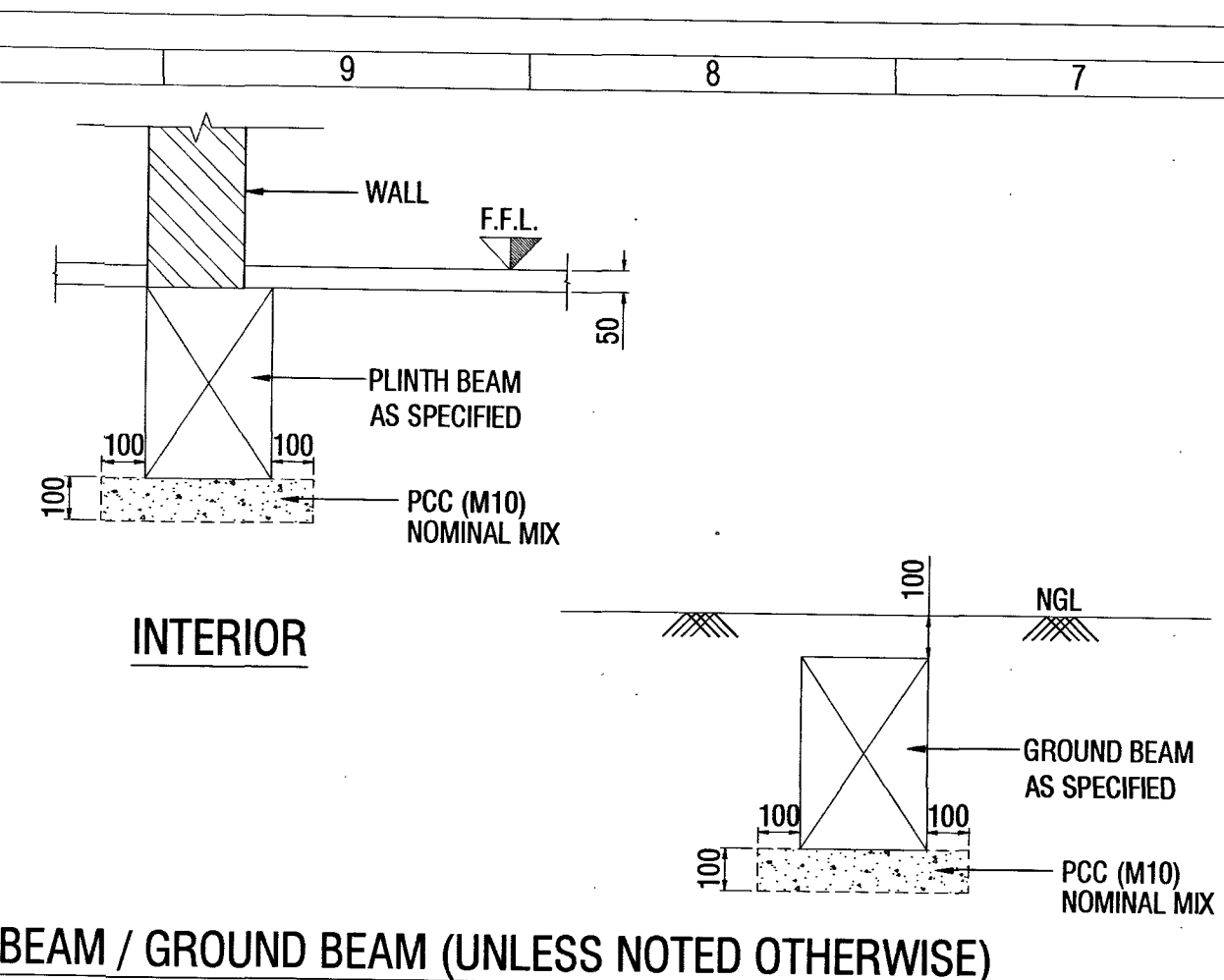
DIR (DESIGN)



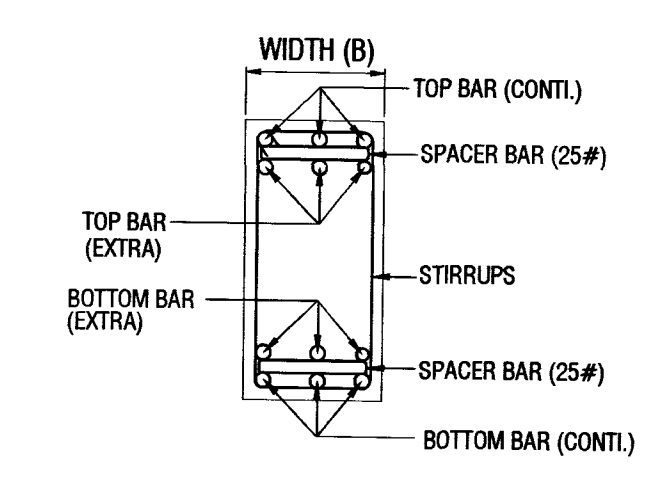
DETAIL OF DWARF WALL



TYPICAL LOCATION OF PLINTH BEAM / GROUND BEAM (UNLESS NOTED OTHERWISE)



INTERIOR



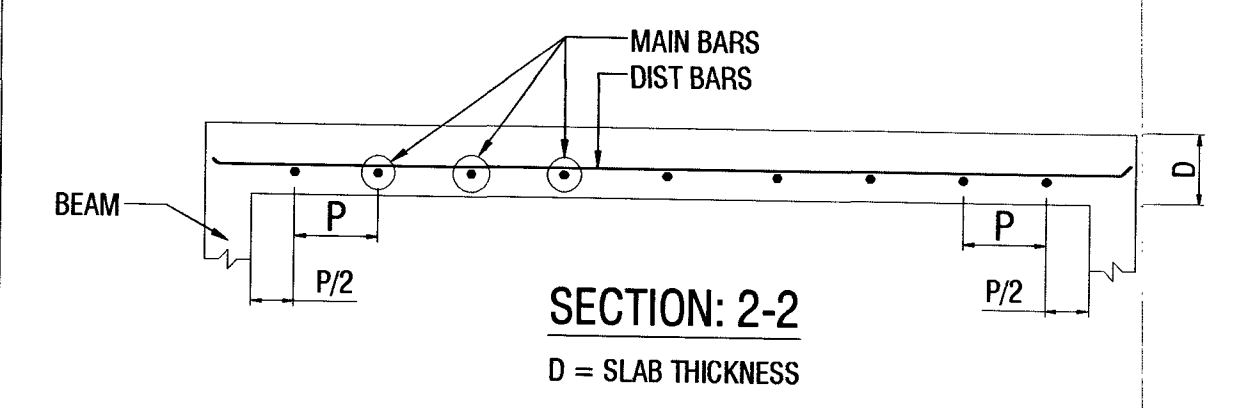
TYP. SECTION OF BEAM WITH REINFORCEMENT IN TWO LAYERS

REFERENCE DRAWINGS:-

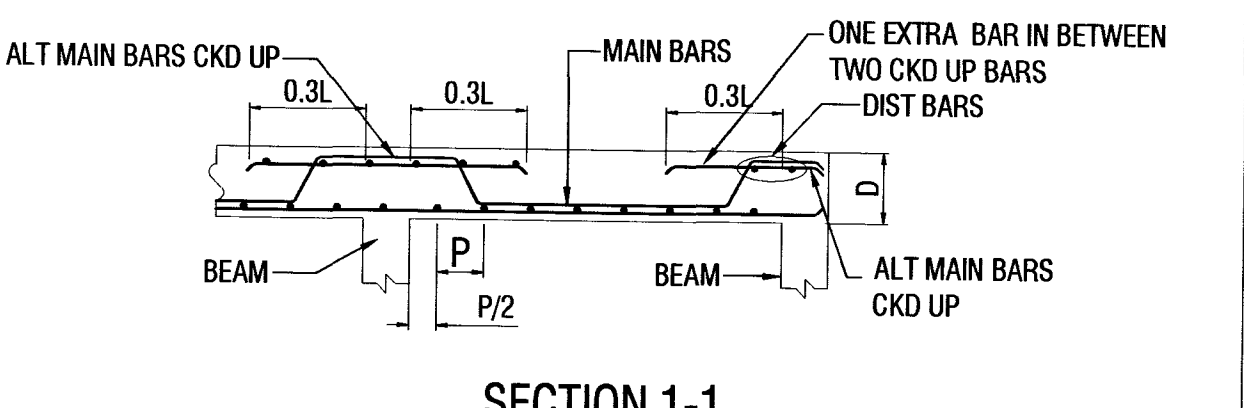
SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES

- NOTES:-
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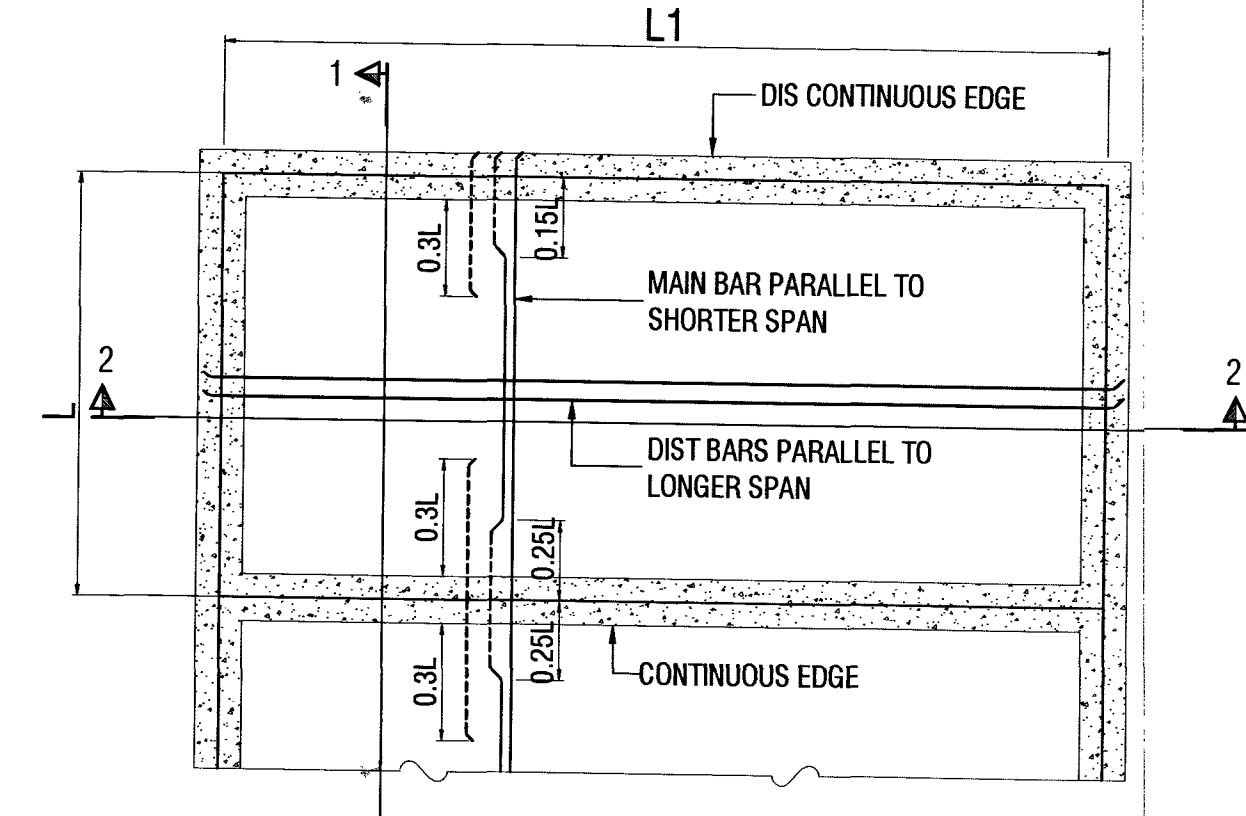
- LEGEND:-
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 - LB: LINTEL BEAM
 - RL: RUNNING LINTEL
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 - FFL: FLOOR FINISH LEVEL
 - NGL: NATURAL GROUND LEVEL
 - PCC: PLAN CEMENT CONCRETE
 - RCC: REINFORCED CEMENT CONCRETE
 - #: DIA OF REBAR



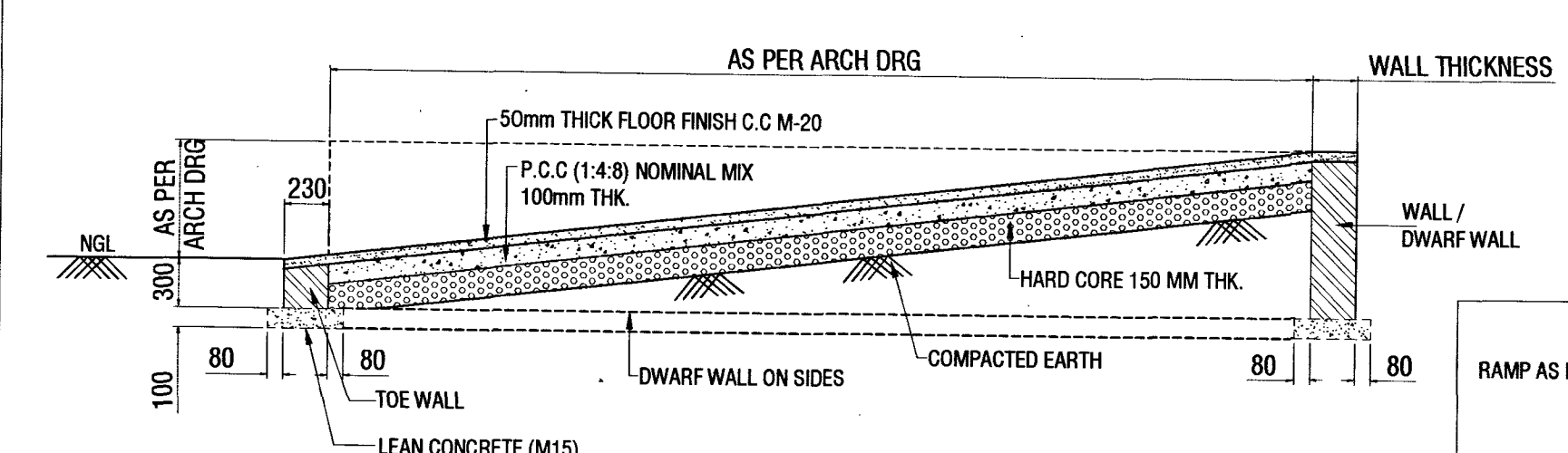
SECTION: 2-2
D = SLAB THICKNESS



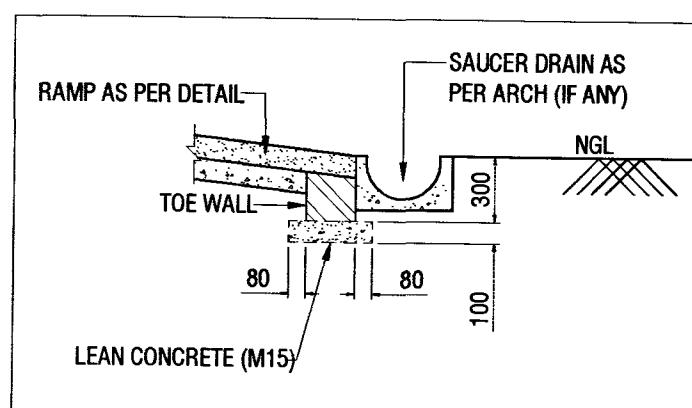
SECTION 1-1
D = SLAB THICKNESS



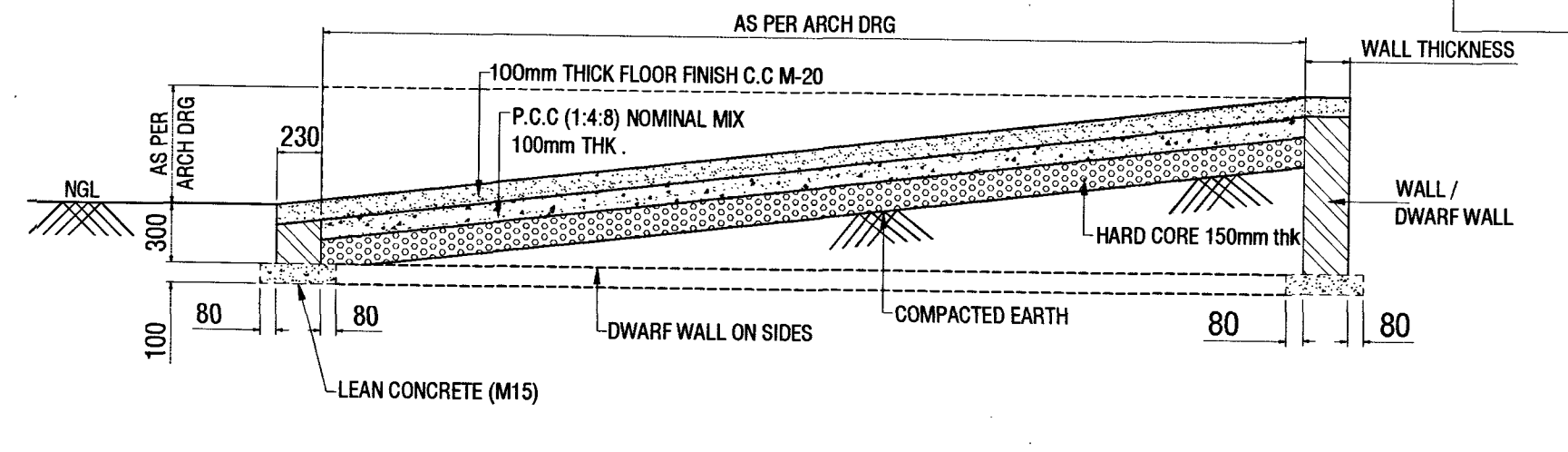
TYPICAL DETAIL OF REINF. IN ONE WAY SLAB
P = C/C SPACING OF BARS



TYP. DETAIL OF RAMP (CYCLE, SCOOTER AND CAR PARKING)

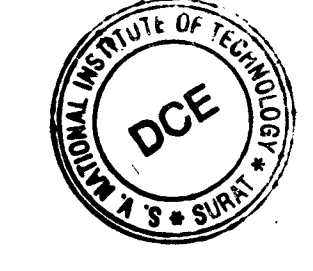


TYPICAL DETAIL OF SAUCER DRAIN



TYP. DETAIL OF RAMP (BUS, TRUCK, TRACTOR AND OTHER HEAVY VEHICLES)

CHECKED & VETTED

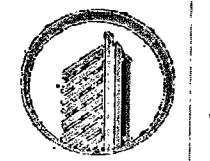


Check & Found O.K.

Professor
सिखिल इंजीनियरिंग विभाग
Department of Civil Engineering
स.च.रा.पौ.स., सूरत / S.V.N.I.T., Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE


CONSULTANT:



HIERARCHY STRUCTURES

1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail : hierarchy.structure.gov@gmail.com

CLIENT:



CHIEF ENGINEER PUNE ZONE

04
05

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

SHEET TITLE :- **STRUCTURAL TYPICAL DETAILS**

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034

DRAWN BY	AS
DESIGNED BY	AS
REVIEWED BY	KM
SCALE	NTS
DATE	15-03-2026
REVISION NO:	RO

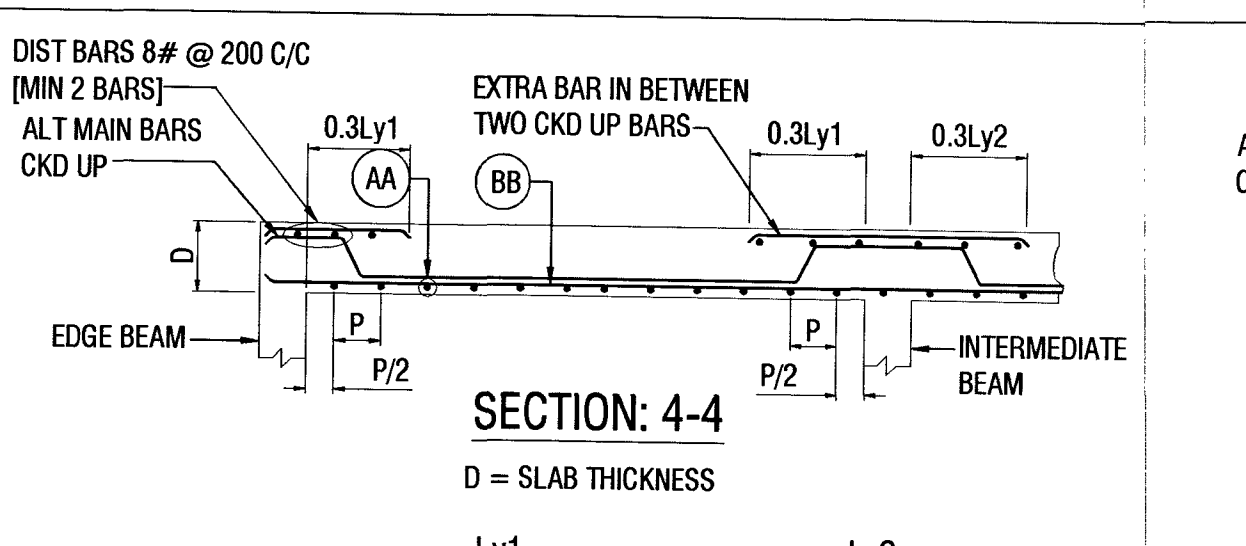
DATE :- 10/04/2026 SHEET NO.

REF. DRG. NO :- CEP2/2026/ANL/SA/04(A)

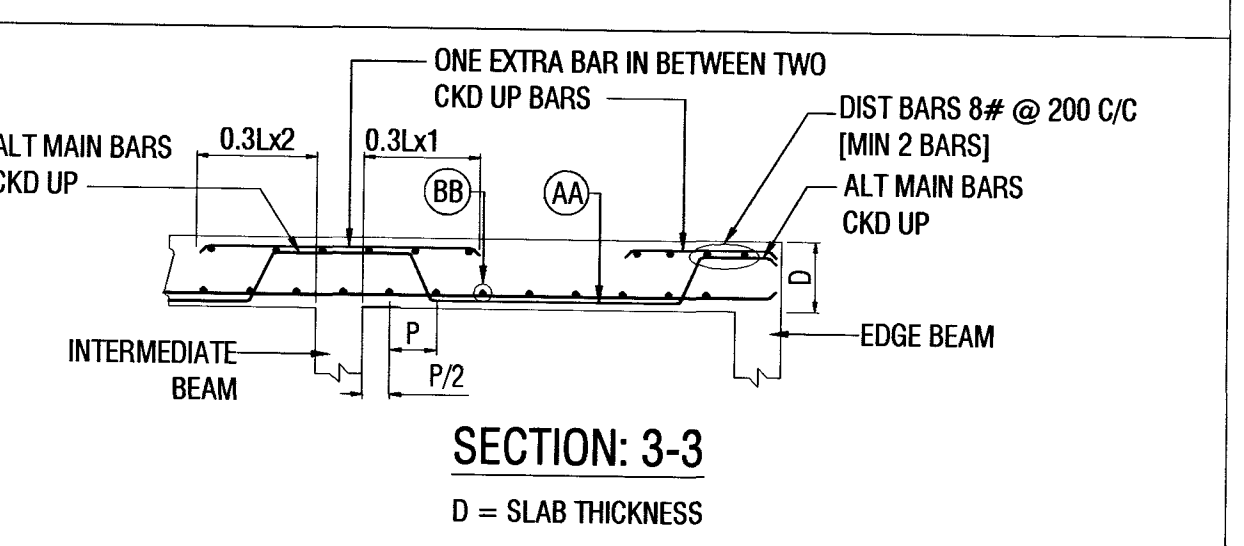
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

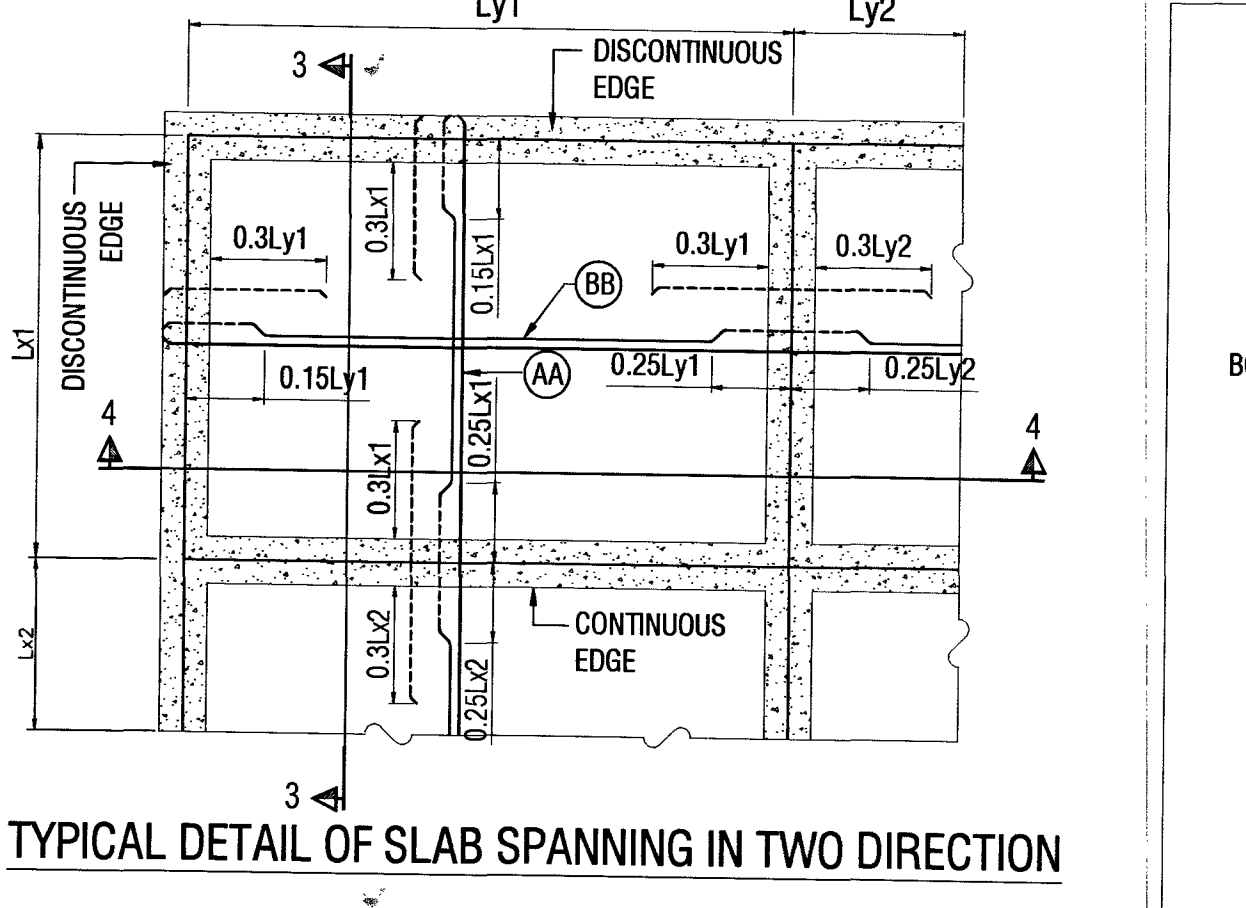
Signature
DIR (DESIGN)



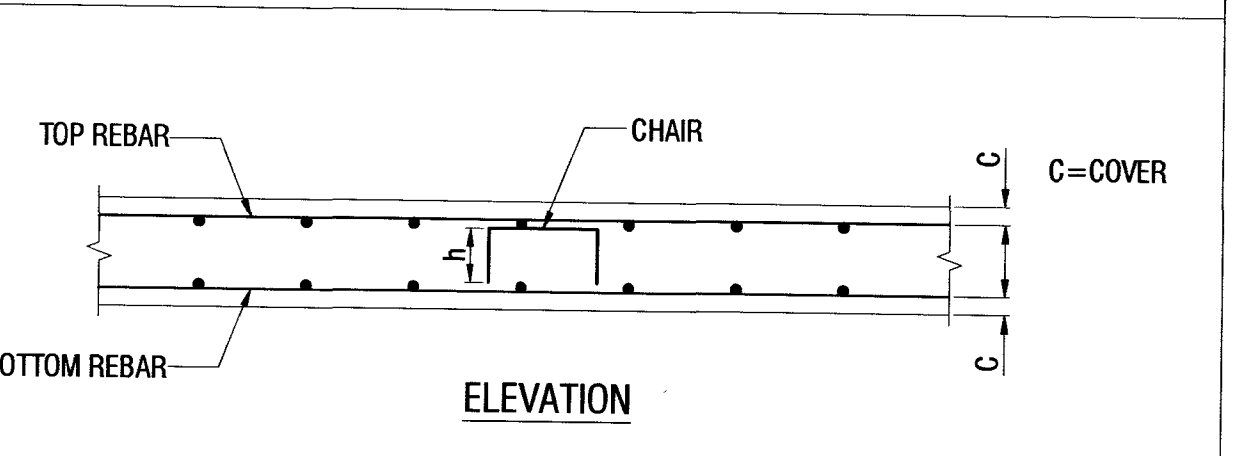
SECTION: 4-4
D = SLAB THICKNESS



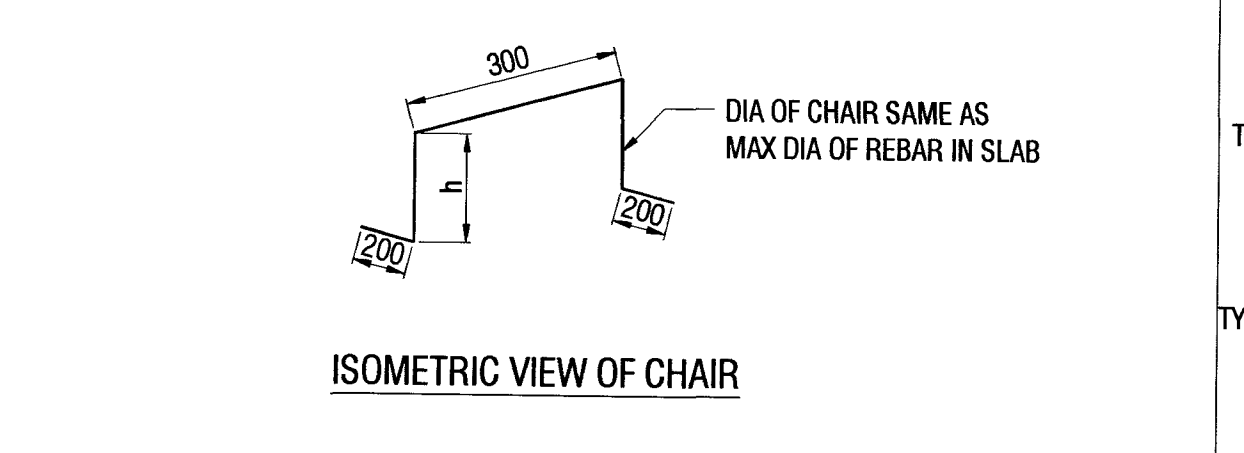
SECTION: 3-3
D = SLAB THICKNESS



TYPICAL DETAIL OF SLAB SPANNING IN TWO DIRECTION

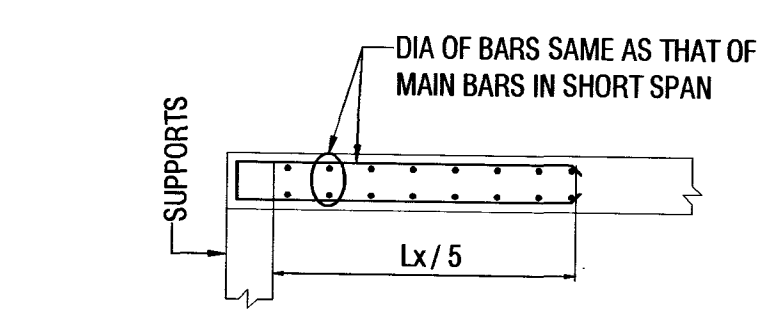


ELEVATION

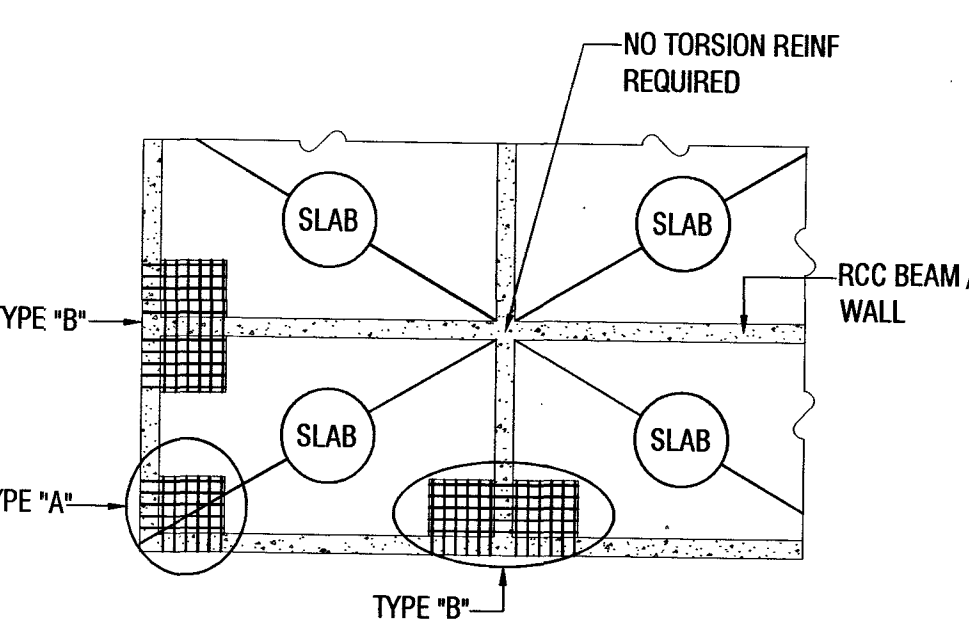


ISOMETRIC VIEW OF CHAIR

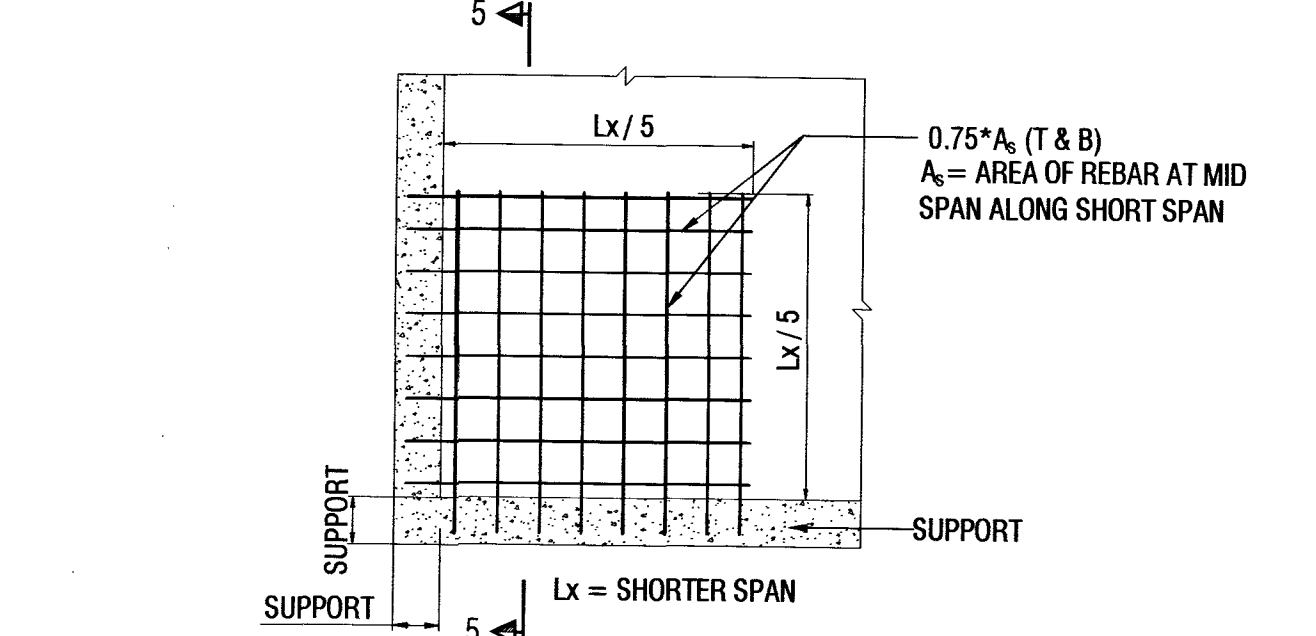
DETAILS OF CHAIRS IN RCC SLAB



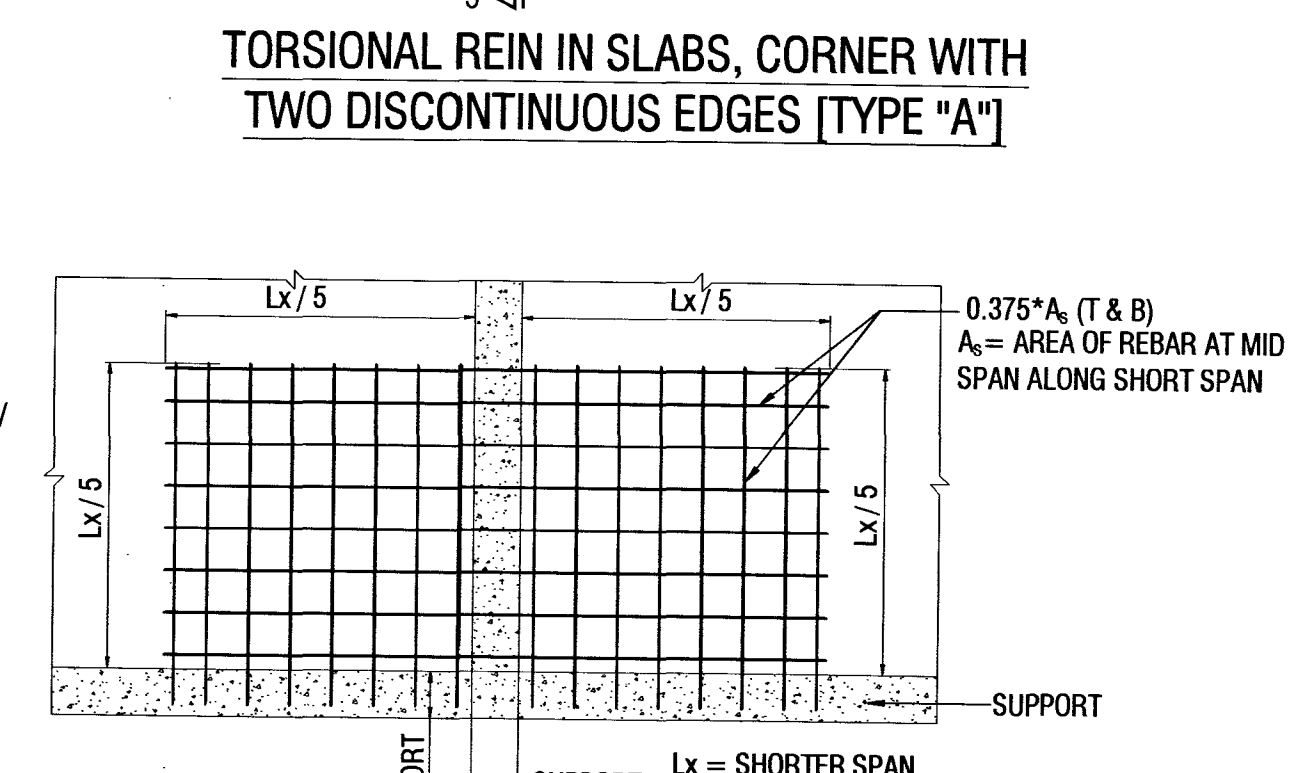
SECTION: 5-5
SHOWING U TYPE BARS



LOCATION WHERE TORSION REINF REQUIRED

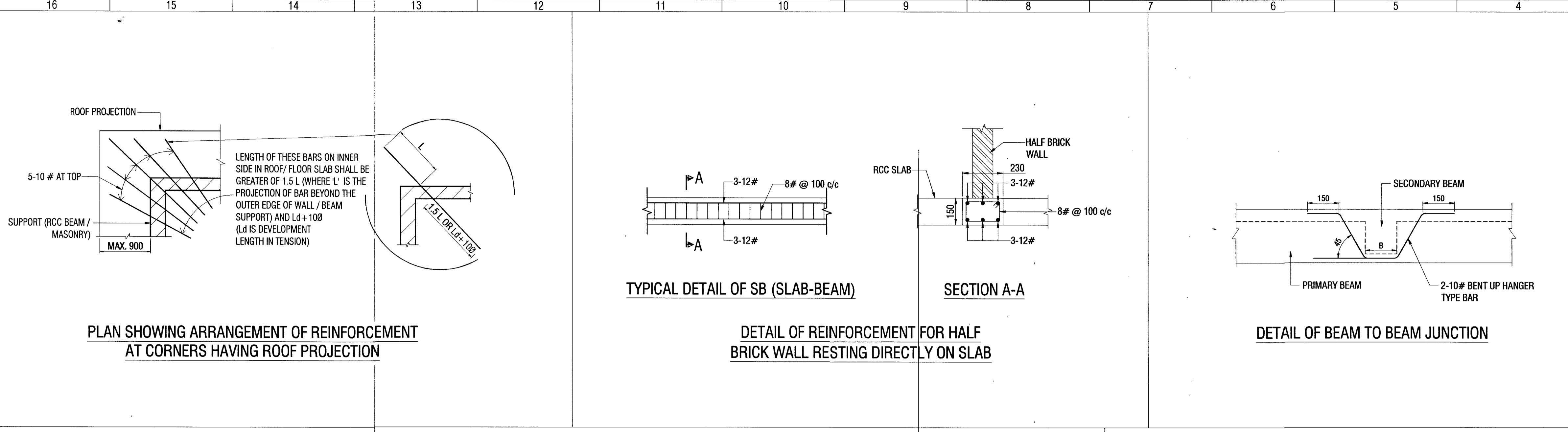


TORSIONAL REIN IN SLABS, CORNER WITH TWO DISCONTINUOUS EDGES [TYPE "A"]



TORSIONAL REIN IN SLABS, CORNER WITH TWO DISCONTINUOUS EDGES [TYPE "B"]

P = C/C SPACING OF BARS
AA = BARS PARALLEL TO SHORTER SPAN SHALL BE PLACED BELOW BARS PLACED IN LONGER SPAN
BB = BARS PARALLEL TO LONGER SPAN



REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES

NOTES:-

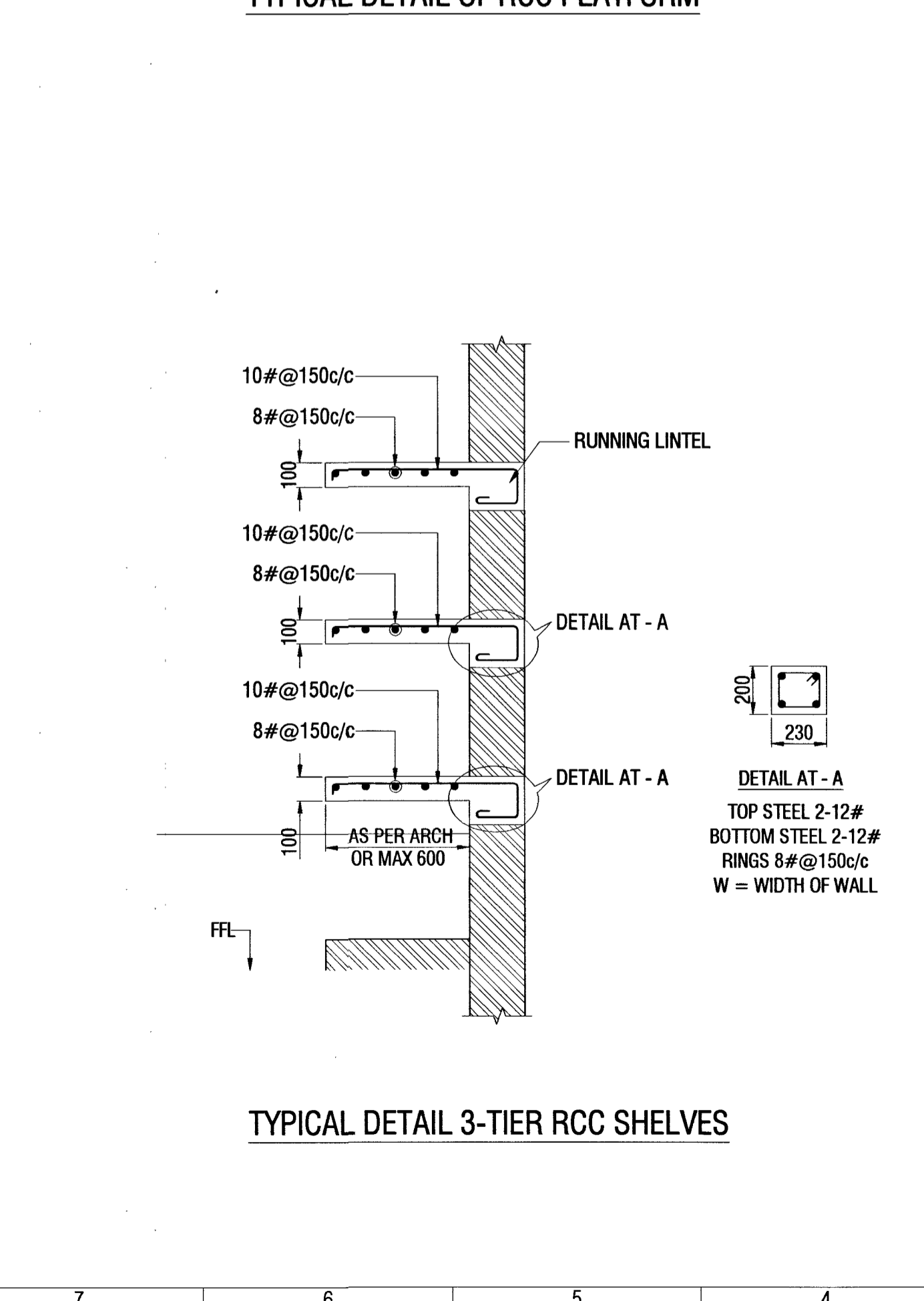
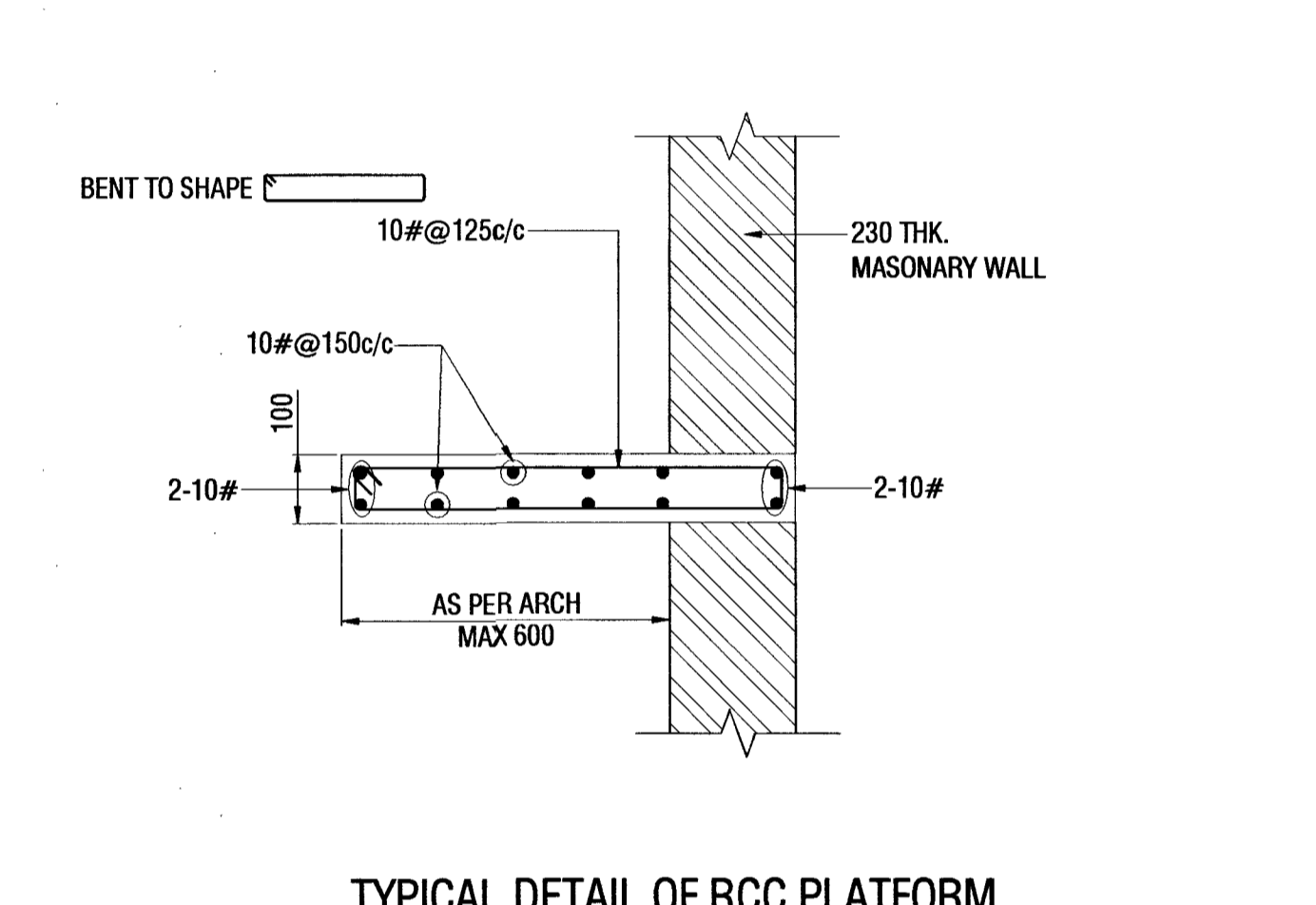
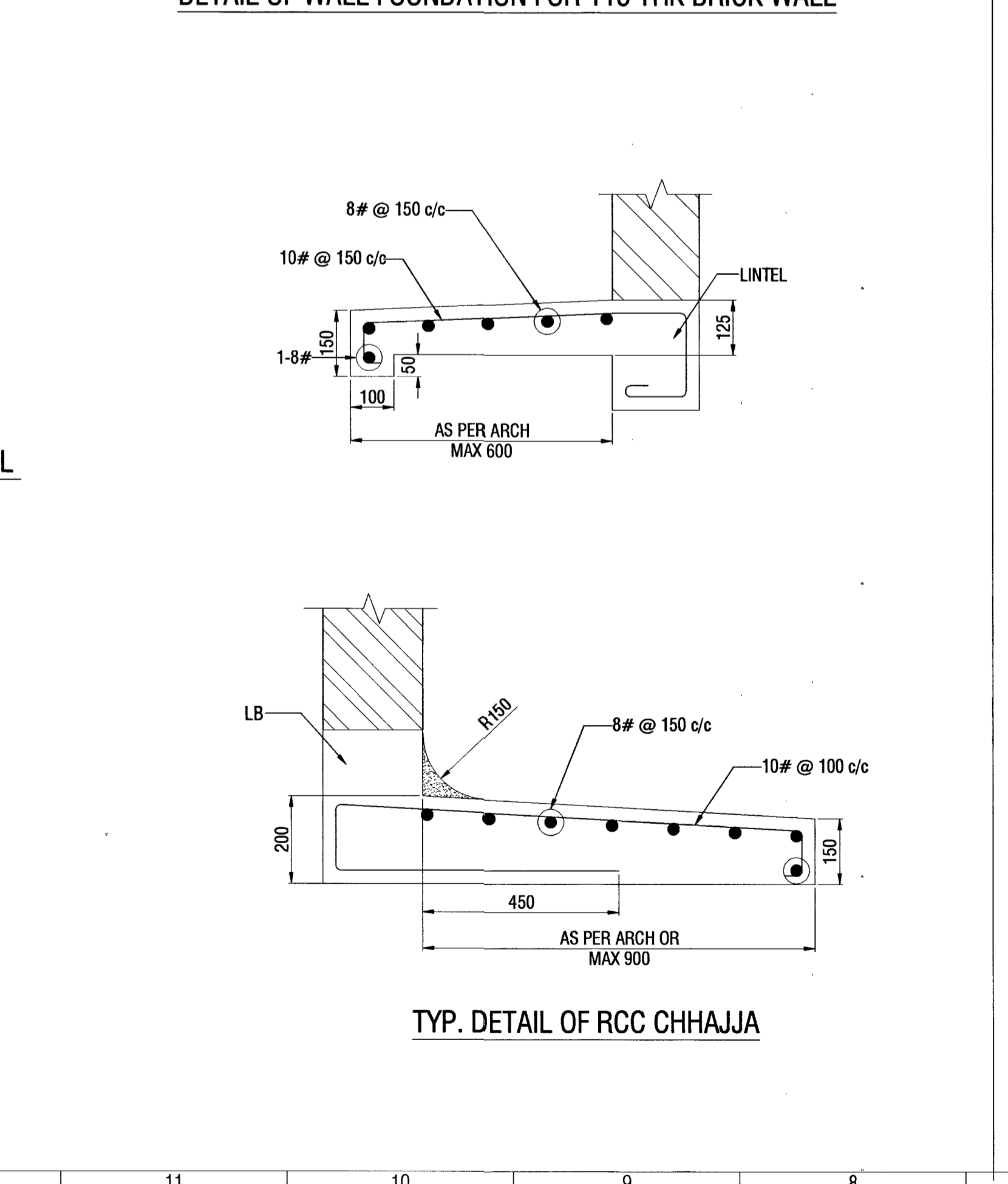
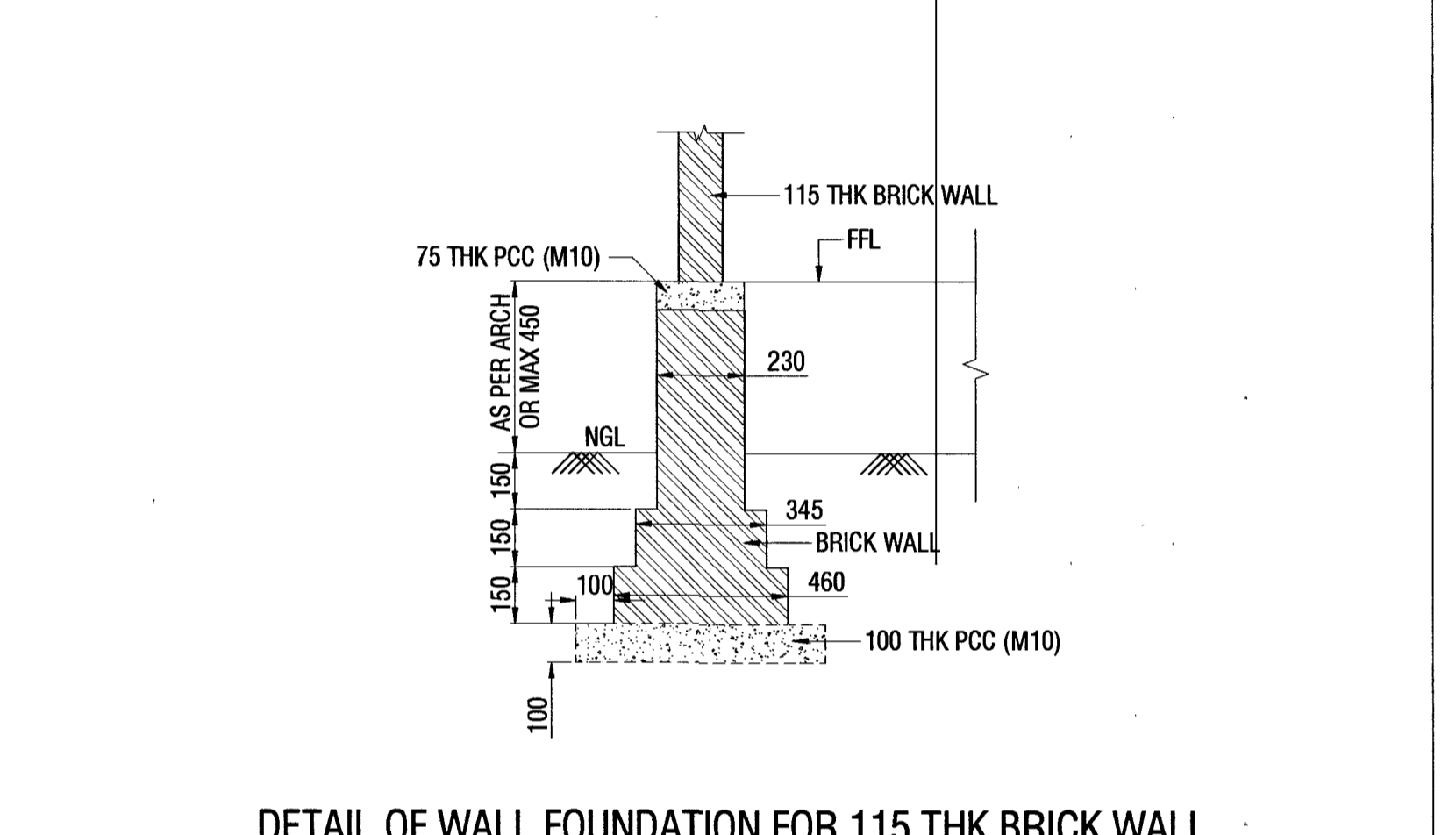
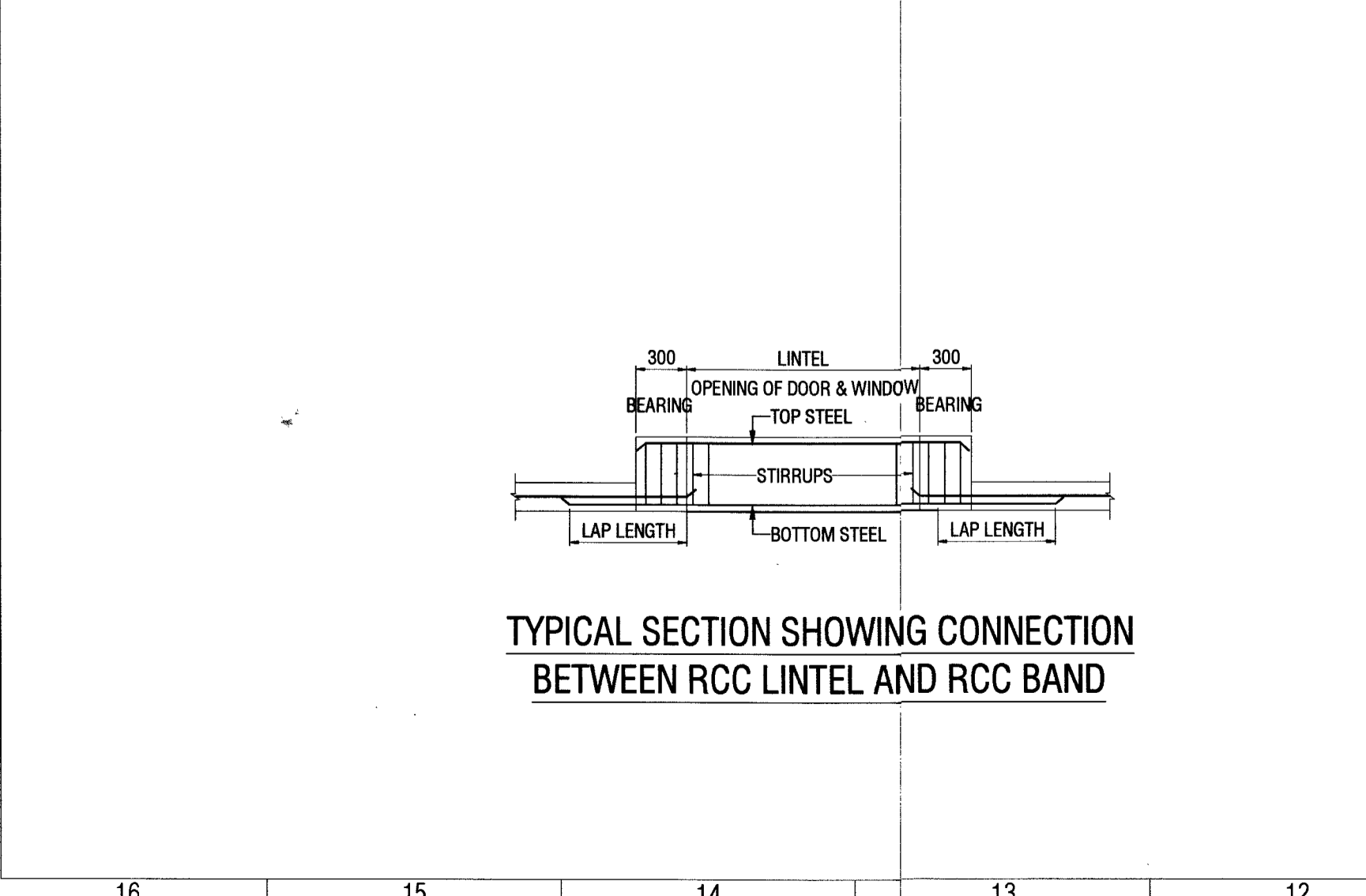
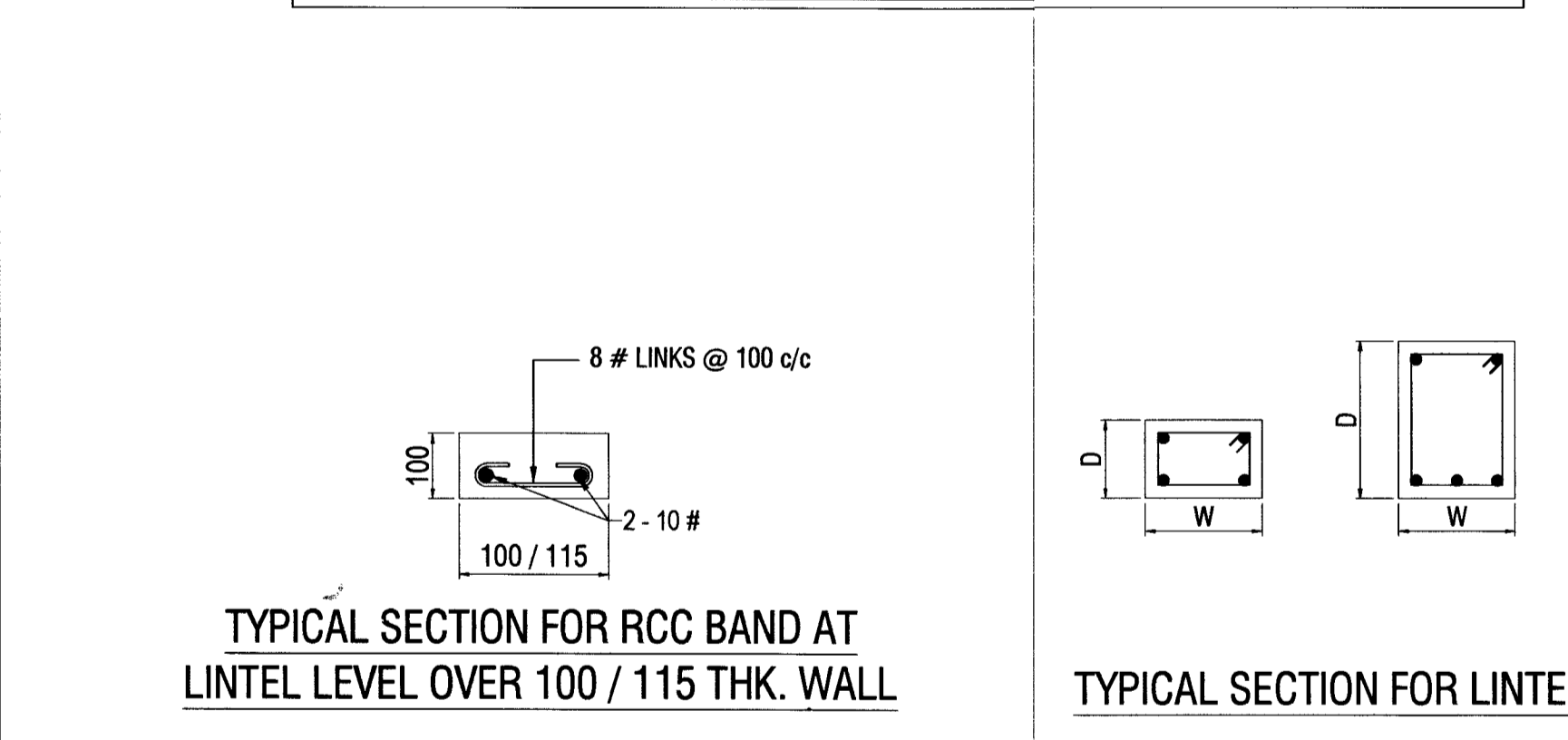
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- RCC SHORT LINTEL SHALL BE PROVIDED OVER OPENINGS OF DOOR, WINDOW, VENTILATOR ETC. UNLESS SHOWN OTHERWISE.

LEGEND:-

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- GB: GROUND BEAM
- FB: FLOOR BEAM
- RB: ROOF BEAM
- LB: LINTEL BEAM
- RL: RUNNING LINTEL
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- FS: FLOOR SLAB
- RS: ROOF SLAB
- FFL: FLOOR FINISH LEVEL
- NGL: NATURAL GROUND LEVEL
- PC: PLAN CEMENT CONCRETE
- RCC: REINFORCED CEMENT CONCRETE
- #: DIA OF REBAR

SCHEDULE OF LINTEL FOR AAC BLOCK WALL (REFER NOTE 4)

SL. NO.	MAX. CLEAR OPENING WIDTH	D	WIDTH OF WALL (W)	REINFORCEMENT		STIRRUPS	
				BOTTOM	TOP	UP TO 0.25L FROM SUPPORT	AT BALANCE SPAN
1.	UP TO 900	200	100	2-12#	2-12#	2L-8# @70c/c	2L-8# @125c/c
	UP TO 900	200	200	2-12#	2-12#	2L-8# @70c/c	2L-8# @125c/c
2.	901 TO 1500	250	100	3-12#	2-12#	2L-8# @70c/c	2L-8# @125c/c
	901 TO 1500	250	200	3-12#	2-12#	2L-8# @70c/c	2L-8# @125c/c
3.	1501 TO 2100	275	200	2-16#+1-12#	2-16#	2L-8# @70c/c	2L-8# @125c/c
	2101 TO 3000	300	200	3-16#	2-16#	2L-8# @70c/c	2L-8# @125c/c



CHECKED & VETTED

Check & F. and O.K.

REVISION NO. | DATE | DESCRIPTION | SIGNATURE

CONSULTANT: **HIERARCHY STRUCTURES**

1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail: hierarchy.structure.gov@gmail.com

CLIENT: **CHIEF ENGINEER PUNE ZONE**

SHEET NO. 05

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

SHEET TITLE :- **STRUCTURAL TYPICAL DETAILS**

PROJECT NO:- 2025-26 / 034 | DRG NO:- HS/2025-26/STR/034

SIGNATURE OF CONSULTANT

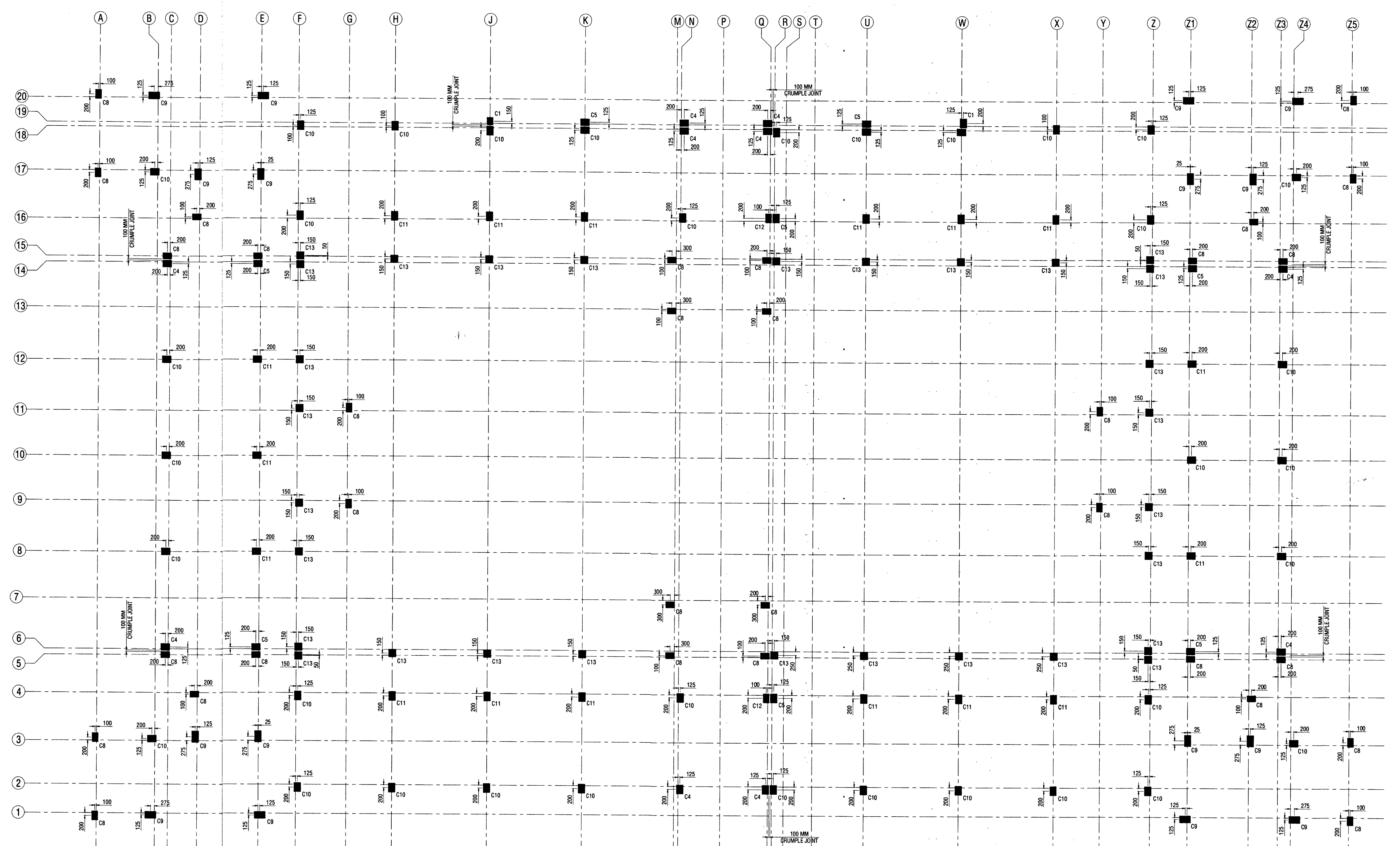
DATE :- 10/04/2026

REF. DRG. NO :- CEP2/2026/ANR/STR/04(1)

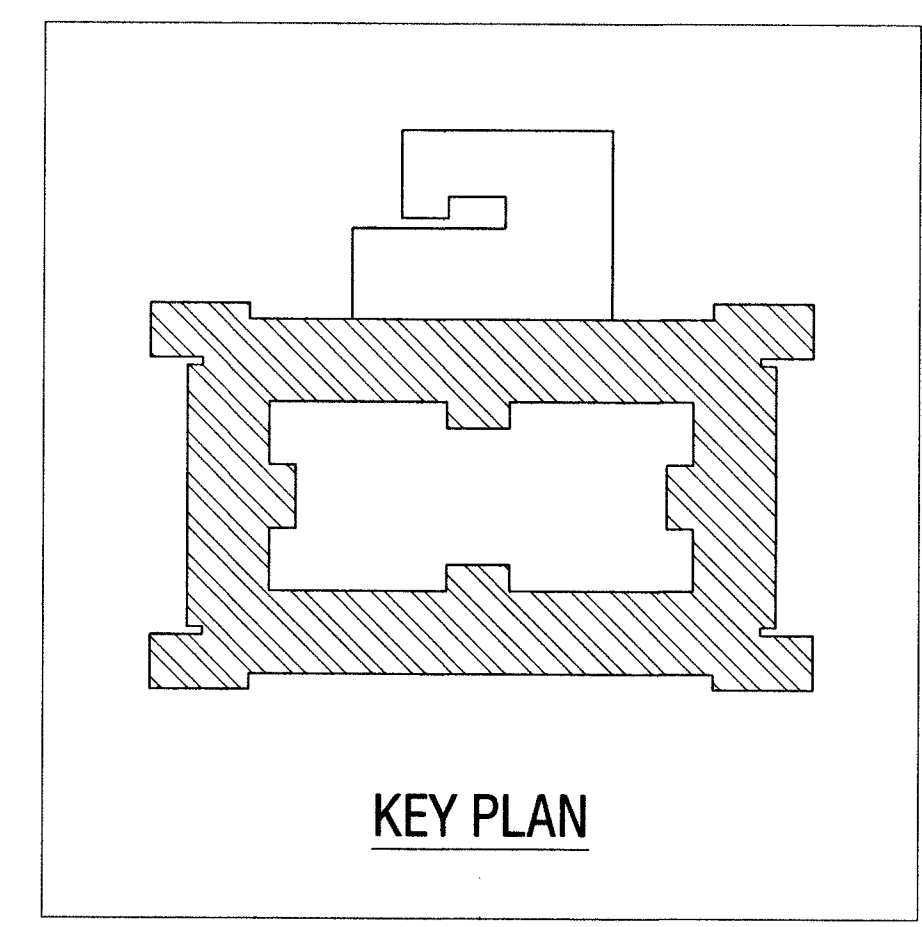
STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-CS BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

Agiris DIR (DESIGN)



LAYOUT OF COLUMN



KEY PLAN

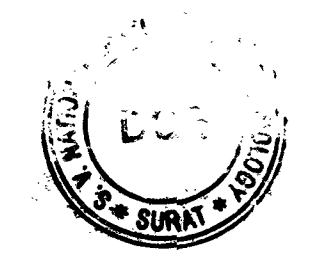
REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

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- ALL ROOM DIMENSION, CENTER LINE DIMENSION SHALL BE SET AS PER ARCHITECTURAL DRAWING.
- BEAM AND OTHER SHALL BE NOT BE CUT THROUGH TO PROVIDE DRAIN PIPES, ETC. SLEEVES OF SUITABLE SIZE SHALL BE PROVIDED AT PREDETERMINED LOCATION BEFORE CASTING OF THE SLAB.
- THE FOUNDATION HAS BEEN DESIGNED FOR THE SBC OF 25 T/m² AT A DEPTH OF 3.00 M (MINIMUM) BELOW THE NATURAL GROUND LEVEL. EXECUTIVES SHALL VERIFY THE SAME BEFORE EXECUTION OF THE WORK.
- FOR GEO-TECHNICAL INVESTIGATION REPORT, REFER REPORT PREPARED BY "GEO-TECH EXPERTS", HAVING REPORT NO. "GEO/ANG/G/00349(B)", DATED:- 09-09-2025
- WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED



Check & Found O.K.

Dr. Gaurang R. Vesamawala
 / Professor
 Department of Civil Engineering
 S.V.N.I.T., Surat

REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:

HIERARCHY STRUCTURES

1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090
 E-mail : hierarchy.structure.gov@gmail.com

CLIENT:

CHIEF ENGINEER PUNE ZONE

02 / 16

NAME OF PROJECT :- PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE

NAME OF BUILDING :- SINGLE MEN BARRACKS FOR 250 AGNIVEER

SHEET TITLE :- LAYOUT OF COLUMN - 2

PROJECT NO:- 2025-26 / 034 DRG NO:- HS/2025-26/STR/034 - B

DRAWN BY	SB
DESIGNED BY	AS
REVIEWED BY	BT
SCALE	NTS
DATE	15-03-2026
REVISION NO:	RO

DATE :- 10/04/2026 SHEET NO.

REF. DRG. NO :- COP2/2026/AN4/STR/04(B)

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.

Dr. Gaurang R. Vesamawala
 D/P (DESIGN)

SCHEDULE OF RCC COLUMN

COLUMN NOS.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	
	SHAPE OF TIES													
SECTION														
COLUMN SIZE b x l	400 x 500	400 x 500	500 x 750	450 x 600	450 x 600	400 x 400	675 DIA	400 x 600	450 x 750	450 x 600	450 x 600	400 x 600	500 x 500	
REINFORCEMENT	LONGITUDINAL	10 NOS.-16# ●	10 NOS.-20# ●	04 NOS.-25# ● 12 NOS.-20# ○	04 NOS.-20# ● 10 NOS.-16# ○	12 NOS.-20# ● 02 NOS.-16# ○	04 NOS.-20# ● 04 NOS.-16# ○	14 NOS.-25# ●	04 NOS.-20# ● 08 NOS.-16# ○	04 NOS.-25# ● 12 NOS.-20# ○	04 NOS.-25# ● 10 NOS.-20# ○	12 NOS.-25# ● 02 NOS.-20# ○	04 NOS.-25# ● 08 NOS.-20# ○	04 NOS.-20# ● 08 NOS.-16# ○
	IN REMAINING	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c	10# @ 150 c/c
	IN L ₀ , z & FDN	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c
CONFINING ZONE, L ₀	600	600	750	600	600	600	675	600	750	600	600	600	600	
SHAPE OF TIES														
SECTION														
COLUMN SIZE b x l	400 x 500	400 x 500	500 x 750	450 x 600	450 x 600	400 x 400	675 DIA	400 x 600	450 x 750	450 x 600	450 x 600	400 x 600	500 x 500	
REINFORCEMENT	LONGITUDINAL	10 NOS.-16# ●	10 NOS.-20# ●	04 NOS.-25# ● 12 NOS.-20# ○	04 NOS.-20# ● 10 NOS.-16# ○	12 NOS.-20# ● 02 NOS.-16# ○	04 NOS.-20# ● 04 NOS.-16# ○	14 NOS.-25# ●	04 NOS.-20# ● 08 NOS.-16# ○	04 NOS.-25# ● 12 NOS.-20# ○	04 NOS.-25# ● 10 NOS.-20# ○	12 NOS.-25# ● 02 NOS.-20# ○	04 NOS.-25# ● 08 NOS.-20# ○	04 NOS.-20# ● 08 NOS.-16# ○
	IN REMAINING	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c
	IN L ₀ , z & FDN	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c	10# @ 100 c/c
CONFINING ZONE, L ₀	--	--	--	--	--	--	--	--	--	--	--	--	--	
COLUMN NOS.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	

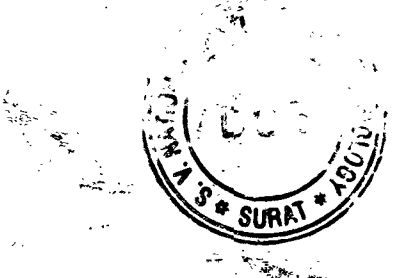
REFERENCE DRAWINGS:-

SL. NO.	DRAWING NO.	SHEET NO.	DESCRIPTION
01	HS/2025-26/STR/034	01 OF 05	STRUCTURAL GENERAL NOTES
02	HS/2025-26/STR/034	02 TO 05 OF 05	STRUCTURAL TYPICAL DETAILS

NOTES:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION AND SCHEDULE OF ITEMS.
- CONTRACTOR SHOULD VERIFY AND CHECK ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL ROOM DIMENSION, CENTER LINE DIMENSION SHALL BE SET AS PER ARCHITECTURAL DRAWING.
- BEAM AND OTHER SHALL BE NOT CUT THROUGH TO PROVIDE DRAIN PIPES, ETC. SLEEVES OF SUITABLE SIZE SHALL BE PROVIDED AT PREDETERMINED LOCATION BEFORE CASTING OF THE SLAB.
- THE FOUNDATION HAS BEEN DESIGNED FOR THE SBC OF 25 T/m² AT A DEPTH OF 3.00 M (MINIMUM) BELOW THE NATURAL GROUND LEVEL. EXECUTIVES SHALL VERIFY THE SAME BEFORE EXECUTION OF THE WORK.
- FOR GEO-TECHNICAL INVESTIGATION REPORT, REFER REPORT PREPARED BY "VGEOTECH EXPERTS", HAVING REPORT NO. "VGED/ANG/GI/00349(B)", DATED- 09-09-2025
- WHEN ROCK IS ENCOUNTERED AT SHALLOW DEPTH, FOOTING SHALL BE EMBEDDED MINIMUM 0.5 M IN ROCKY STRATA.

CHECKED & VETTED



Check & Found O.K.

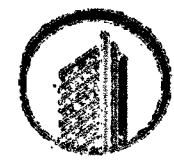
 Dr. Gaurang R. Vesmawala / Professor

 Department of Civil Engineering

 S.V.N.I.T., Surat


REVISION NO.	DATE	DESCRIPTION	SIGNATURE

CONSULTANT:


HIERARCHY STRUCTURES

 1225 'E' WARD, FLAT NO: C-101, NAGESHKAR HEIGHTS APT., RAJARAMPURI 2nd LANE, KOLHAPUR - 416 008 (M) +91 97640 60090 E-mail : hierarchy.structure.gov@gmail.com

CLIENT:

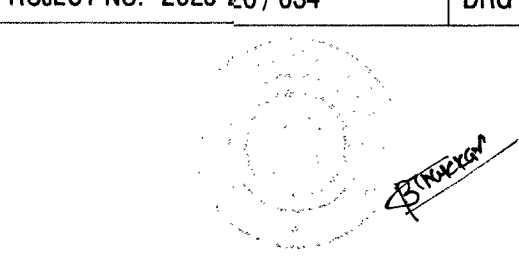

CHIEF ENGINEER PUNE ZONE

 03

NAME OF PROJECT :- **PROVN OF OTM ACCOMMODATION AT AHILYANAGAR UNDER HQ CE PUNE ZONE**

NAME OF BUILDING :- **SINGLE MEN BARRACKS FOR 250 AGNIVEERS**

SHEET TITLE :- **SCHEDULE OF COLUMN**

PROJECT NO:- 2025-26 / 034	DRG NO:- HS/2025-26/STR/034 - B
 SIGNATURE OF CONSULTANT	DRAWN BY SB
	DESIGNED BY AS
	REVIEWED BY BT
	SCALE NTS
	DATE 15-03-2026
REVISION NO: R0	SHEET NO.

DATE :- 10/04/2026

REF. DRG. NO :- **CEP2/2025/ANR/314/04/B**

STRUCTURAL DRAWINGS DESIGNED BY M/S HIERARCHY STRUCTURES AND VETTED BY DR. GAURANG R. VESMAWALA, PROFESSOR OF SVNIT COLLEGE SURAT.

DRAWINGS CHECKED AS PER E-IN-C'S BRANCH LETTER NO. A/00157/23-1/POL/E2W(PPC) DATED 02 JUN 2017.



 DIR (DESIGN)