



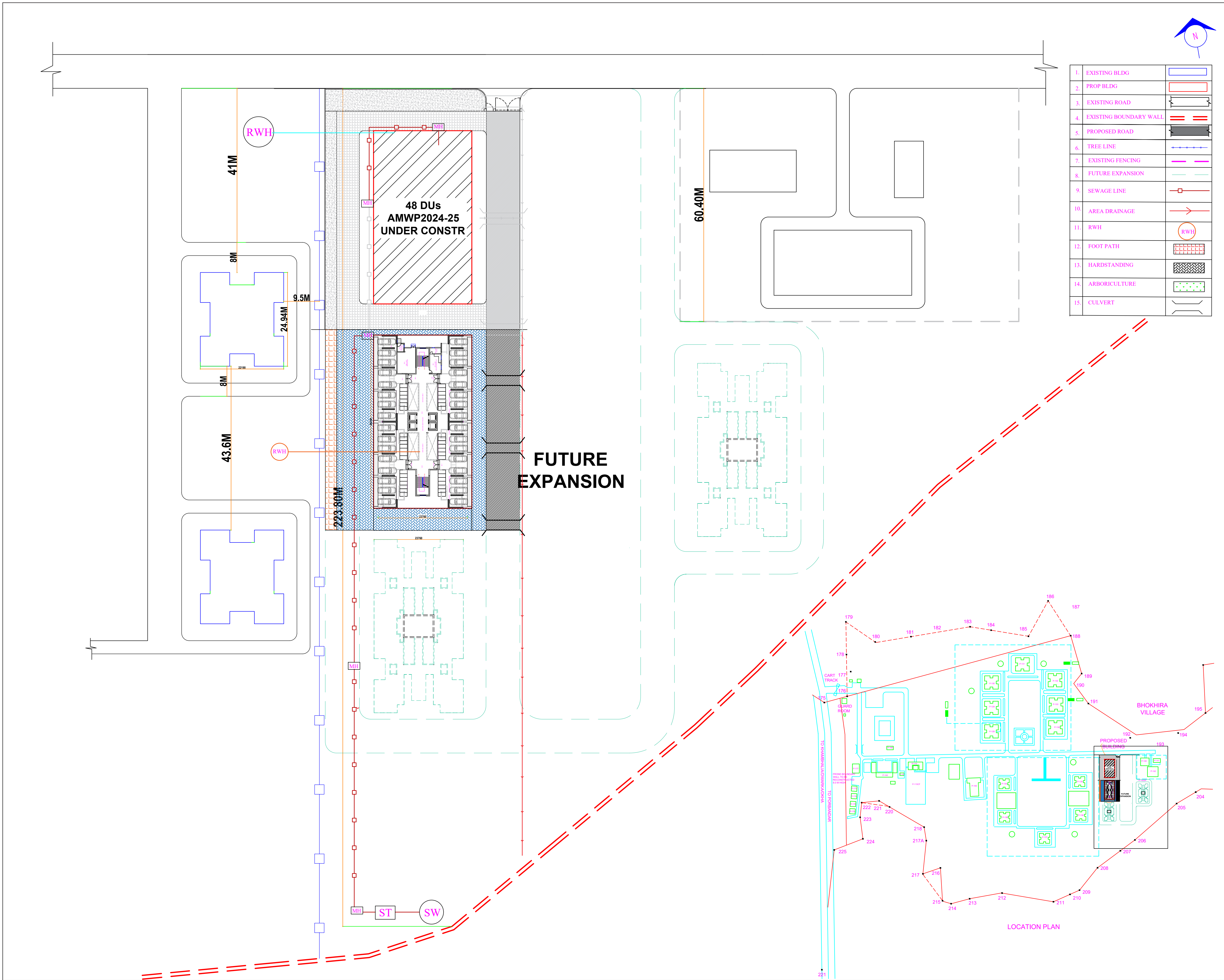
<div style="text-align: center;"> L I S T O F D R A W I N G </div>	
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SL No	DESCRIPTION	DRG No	SHT No	DATE	DATE OF REVISION	SL No	DESCRIPTION	DRG No	SHT No	DATE	DATE OF REVISION	SL No	DESCRIPTION	DRG No	SHT No	DATE	DATE OF REVISION		
	ARCHITECTURAL DRAWINGS & SITE PLANS						STRUCTRAL DRAWINGS						TYPICAL DRAWINGS						
1	LIST OF DRAWINGS	LD/2026/01	1/1	12 MAY 2026		1	STRUCTURAL GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS	WD/S/2026/01	1/23 to 5/23	23 MAR 2026		1	DETAILS OF NAHANI TRAP AND PIPE CONNECTION	TD/2007 /44	1/2, 2/2	10 /04 /2007			
2	SITE PLAN (B/R SERVICES)	S/2026/01	1/2	12 MAY 2026		2	GENERAL LAYOUT OF RAFT FOUNDATION	WD/S/2026/01	6/23	23 MAR 2026		2	DETAILS OF FAN AND HOOK	TD/2007/6	1/1	10 /04 /2007			
3	SITE PLAN (E/M SERVICES)	S/2026/01	2/2	12 MAY 2026		3	RAFT FOUNDATION BOTTOM MESH DETAILS & RAFT FOUNDATION ADDITIONAL BOTTOM REINFORCEMENT & MISC DETAILS	WD/S/2026/01	7/23	23 MAR 2026		3	ARCHITECTURAL NORMS FOR FIXING HEIGHTS OF LAVATORY FITTINGS	TD/2007 /15	1/1	10 /04 /2007			
						4	RAFT FOUNDATION TOP MESH DETAILS & RAFT FOUNDATION ADDITIONAL TOP REINFORCEMENT DETAILS	WD/S/2026/01	8/23	23 MAR 2026		4	TYPICAL DETAILS OF PELMET BOX, RAMP, MS RUNGS, ROOF SLAB, ROOF PROJECTION, PEG SET, PCC COPING, PLINTH PROTECTION, RAILING & CURTAIN ROD	TD/2000/ 43	1/3 TO 3/3	10 /04 /2007			
3	GROUND FLOOR, TYPICAL FLOOR PLAN(1ST FLR TO 6TH FLR)	WD/2026/01	1/12	12 MAY 2026		5	STRUCTURAL PLINTH LEVEL PLAN - SHOWING SHEER WALLS & BEAMS	WD/S/2026/01	9/23	23 MAR 2026									
4	TERRACE, MANCHINE ROOM LVL PLAN	WD/2026/01	2/12	12 MAY 2026		6	STRUCTURAL TYPICAL PLAN FOR 1ST FLOOR TO 6TH FLOOR - SHOWING SHEER WALLS & BEAMS	WD/S/2026/01	10/23	23 MAR 2026		5	SYMBOLS FOR INTERNAL ELECTRIC & WATER SUPPLY INSTALLATION	TD/2007/ 41	1/1	10 /04 /2007			
5	FRONT & REAR ELEVATION	WD/2026/01	3/12	12 MAY 2026		7	STRUCTURAL PLAN OF ROOF - SHOWING SHEER WALLS BEAMS AND SLAB	WD/S/2026/01	11/23	23 MAR 2026		6	DETAILS OF FIXING HDPE WATER STORAGE TANK OVER RCC ROOF SLAB	TD/2007 /12	1/1	10 /04 /2007			
6	LEFT & RIGHT ELEVATION, DETAIL OF SINGLE DU	WD/2026/01	4/12	12 MAY 2026		8	STRUCTURAL PLAN OF LMR BASE SLAB - SHOWING SHEER WALLS, BEAMS & SLABS	WD/S/2026/01	12/23	23 MAR 2026		7	SWITCH BOXES FOR DOMESTIC LIGHT & POWER (MAIN SWITCHES & DISRIBUTION BOARDS INCLUDING METERS)	TD/2007/ 42	1/3 TO 3/3	10 /04 /2007			
7	SECTION AA & SECTION BB	WD/2026/01	5/12	12 MAY 2026		9	STRUCTURAL PLAN OF MUMTY TOP LEVEL - SHOWING SHEER WALLS, BEMAS & SLABS	WD/S/2026/01	13/23	23 MAR 2026		8	TYPICAL DETAILS OF PCC STEPS	TD/95004	1/1	20 /03 /1995	08 /03 /2015		
8	DETAILS 1 - (STAIRCASE 1, FIRE ESCAPE STATIRCASE, TOILET, KITCHEN)	WD/2026/01	6/12	12 MAY 2026		10	STRUCTURAL PLAN OF WATER TANK BASE AND LMR TOP - SHOWING SHEER WALLS BEAMS & SLABS	WD/S/2026/01	14/23	23 MAR 2026		9	TYPICAL DETAILS OF ALUMINIUM WINDOWS (SLIDING)	TD/2007/ 39	1/4 TO 4/4	10 /04 /2007	04 /09 /2015		
9	DETAILS - 2	WD/2026/01	7/12	12 MAY 2026		11	RCC SCHEDULE OF BEAMS AT PLINTH LEVEL	WD/S/2026/01	15/23	23 MAR 2026		10	NOTES ON RCC WORK	TD/S/2010 /08	1/12 TO 12/12	29 /10 /2010			
10	DETAILS - 3	WD/2026/01	8/12	12 MAY 2026		12	RCC SCHEDULE OF BEAMS AT FIRST FLOOR TO SIXTH FLOOR LEVEL	WD/S/2026/01	16/23	23 MAR 2026		11	TYPICAL DETAILS OF RCC CHAJJA LINTEL AND SCHEDULE OF RCC LINTEL	TD/S/2010 /09	1/10 TO 10/10	29 /10 /2010			
11	E&M PLAN GROUND FLOOR , TYPICAL FLOOR	WD/2026/01	9/12	12 MAY 2026		13	RCC SCHEDULE OF BEAMS AT ROOF, LMR & MUMTY LEVEL	WD/S/2026/01	17/23	23 MAR 2026		12	DUCTILE DETAILING TYPICAL DETAILS OF STIRRUPS IN BEAMS, TIES IN COLM & BEAM	TD/S/2018/01	1/3 TO 3/3	06 /02 /2018			
12	E&M PLAN (SINGLE DU , MACHINE ROOM)	WD/2026/01	10/12	12 MAY 2026		14	DETAILS OF SHEER WALL	WD/S/2026/01	18/23	23 MAR 2026		13	TYP DET OF OPENABLE ALU WINDOWS AND VENTS	TD/2007/ 40	1/5 TO 5/5	10 /04 /2007	04 /09 /2015		
13	SCHEMATIC PLAN (WATER SUPPLY IN BLDG)	WD/2026/01	11/12	12 MAY 2026		15	DETAILS OF SHEER WALL	WD/S/2026/01	19/23	23 MAR 2026		14	STEEL GATE (MS PIPE) 3500 TO 5500 WIDE	TD/2007/3	1/1	20 /04 /2007			
14	SCHEDULE OF FINISHES	WD/2026/01	12/12	12 MAY 2026		16	DETAILS OF SHEER WALL	WD/S/2026/01	20/23	23 MAR 2026		15	DETAILS OF FIXING EXHAUST FAN (PLAN, ELEVATION & SECTION)	TD/2007/14	1/1	10 /04 /2007			
15						17	DETAILS OF STAIRCASE 1 & 2 AND OTHER MISC DETAILS	WD/S/2026/01	21/23	23 MAR 2026		16	TYPICAL DETAILS OF ROADS AND DRAINS	TD/2007/18	1/2, 2/2	10 /04 /2007			
16						18	CROSS SECTION OF LIFT WELL PIT & MISC DETAILS	WD/S/2026/01	22/23	23 MAR 2026		17	TYPICAL DETAILS OF EWC & MANHOLES	TD/87003	1/1	10 /11/2010			
17						19	PLAN, SECTION, TYPICAL DETILS OF RCC TANK NO 1 & 2	WD/S/2026/01	23/23	23 MAR 2026		18	TYPICAL DETAILS OF SOAK PIT	TD/94007	1/1	10 /04 /2014			
18												19	SEPTIK TANK FOR 150 TO 500 USERS	TD/2007/10	1/4 TO 4/4	10 /04 /2007			
19												20	TYP DET OF FALSE CEILING FOR A/C & NON A/C ROOM AND INSULATION OF ROOF SLAB OF A/C ROOMS	TD/2007/38	1/2, 2/2	10 /04 /2007			
20												21	TYPICAL FIXING DETAIL OF LIGHTENING CONDUCTOR	TD/99002	1/1	13 /01/1999			
21												22	CHAIN LINK FENCING WITH ANGLE IRON POST	TD/2007/37	1/2, 2/2	10 /04/2007			
22												23	TYPICAL DETAIL OF STEEL DOOR FOR MACHINE ROOM AND CABLE SHAFT	TD/89001	1/1	14 /01/1989			
23												24	BARRICADING & ITS IXING DET (3.0M HIGH)	TD/2021/04	1/1	14 /09/2021			
24												25	ALUMINIUM SLIDING DOOR	TD/2016/01	1/1	28/12/2016			
25												27	FENCING FOR OUTDOOR OPEN TYPE TRANSFORMER INSTALATION	TD/2023/02	1/3 - 3/3				
												28	PIPE SUPPORTING SYSTEM IN BLDG	TD/2023/01	1/3 - 3/3	14-02-23	18-11-24		
												29	MOULDED PVC DOOR	TD/2021/02	1/4 - 4/4	14-02-21			
												30	STANDARD ALUMINIUM DOOR	TD/2007/ 13	1/3 TO 3/3	10 /04 /2007	09 /03 /2017		
												31	SCHEDULE OF FINISHES(SPECIFICATION)	TD/2024/01	1RR/1	24-04-2026			
												32	TYPICAL DETAILS FOR SKIRTING AND DADO	TD/2024/02	1/1	04-12-24			
												33	ALUMINIUM SLIDING WINDOWS / DOOR 2021	TD/2021/05	1/5 TO 5/5	27-10-21			
												34	FLUSH DOOR (WOODEN)	TD/2021/03	1/2 - 2/2	03-02-21			

NOTES

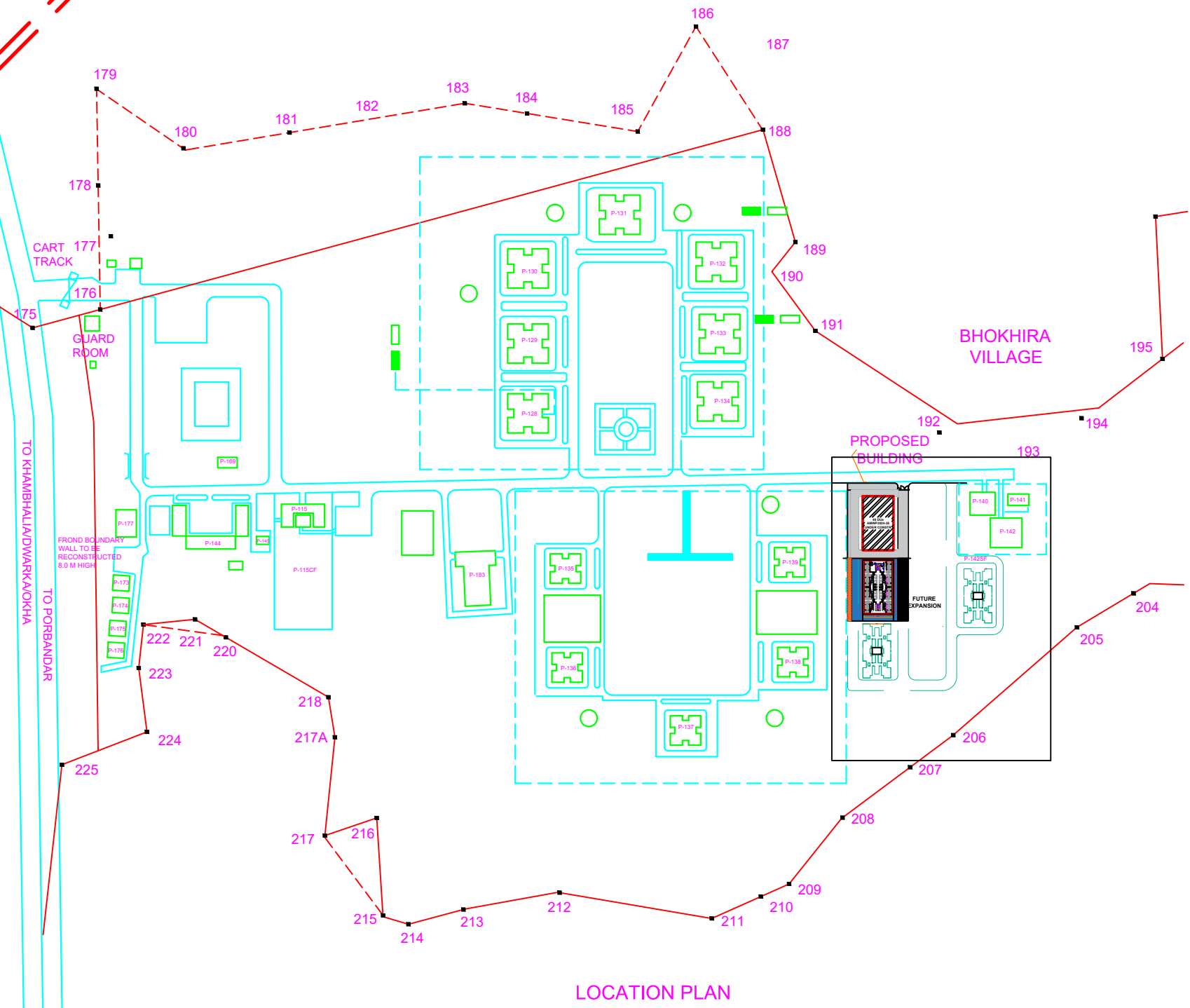
1. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.
2. FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. ALL DIMENSIONS ARE GIVEN IN MILLIMETRES UNLESS OTHERWISE STATED.
4. EXECUTIVE AUTHORITY SHALL CHECK THESE DRGS EXECUTIONS AND ANY VARIATION FOUND, IT SHOULD BE BROUGHT TO THE KNOWLEDGE OF SENIOR ARCHITECT/DIRECTOR (ARCH).
5. ALL TYPICAL DETAILS(TDs) DRGS OF THIS ZONE ARE PART OF TENDER DOCUMENTS

SL No	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (PoS & BELOW) AT PORBANDAR (48 DUs)			
LIST OF DRAWING			
DATE: 21 MAY 2026	CHIEF ENGINEER NAVY MUMBAI	SHT No.	
DRN: SUB DMM		1 1	
TCD:			
CKD:			
SCALE: AS SHOWN	REF DRG NO: LD /2026 / 01		
 AAD (ARCH)		 DIRECTOR (ARCH) FOR CHIEF ENGINEER	

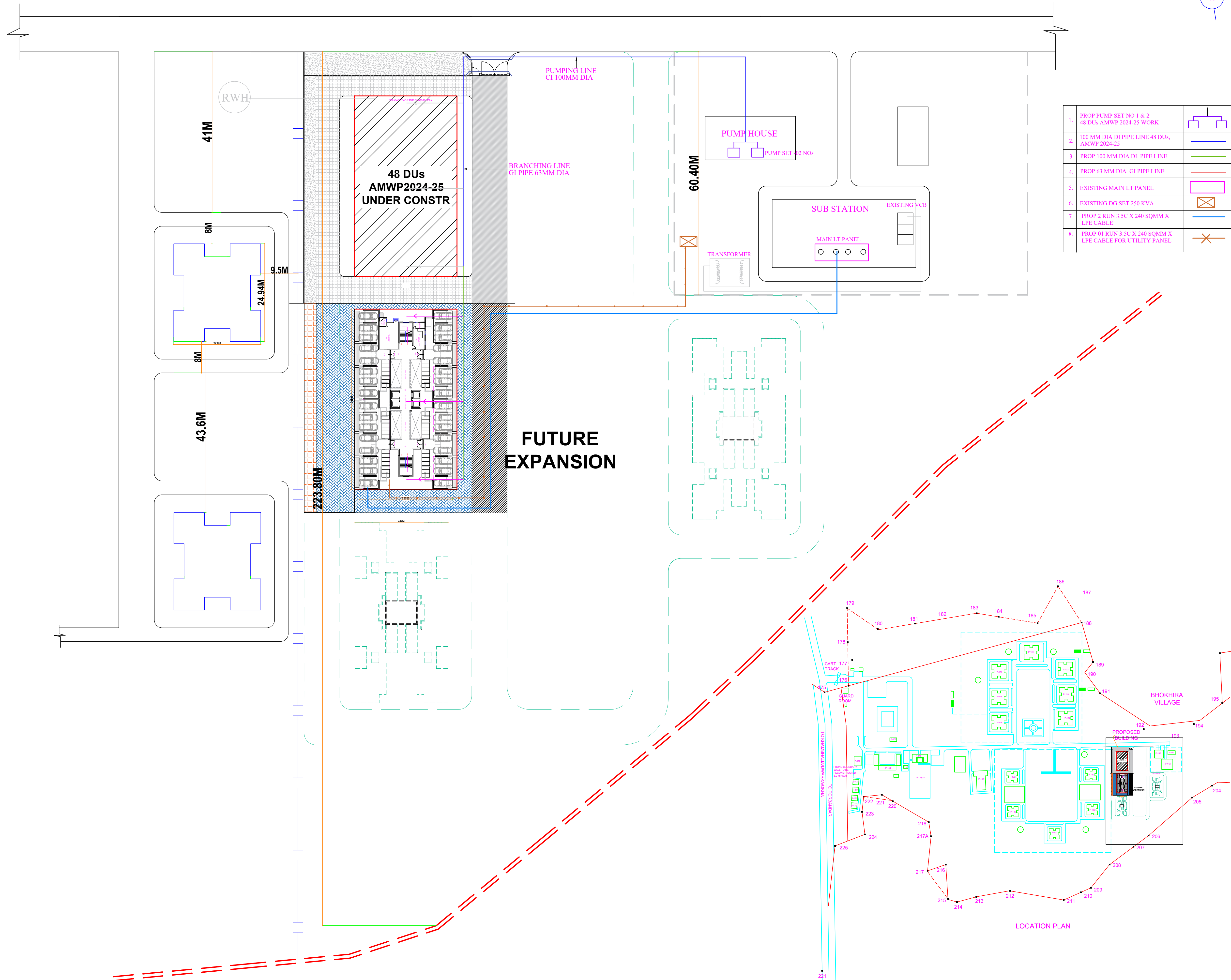


1.	EXISTING BLDG	
2.	PROP BLDG	
3.	EXISTING ROAD	
4.	EXISTING BOUNDARY WALL	
5.	PROPOSED ROAD	
6.	TREE LINE	
7.	EXISTING FENCING	
8.	FUTURE EXPANSION	
9.	SEWAGE LINE	
10.	AREA DRAINAGE	
11.	RWH	
12.	FOOT PATH	
13.	HARDSTANDING	
14.	ARBORICULTURE	
15.	CULVERT	

NOTES:--
1. OPEN DRAINS TO BE COVERED WITH RCC PERFORATED COVERS



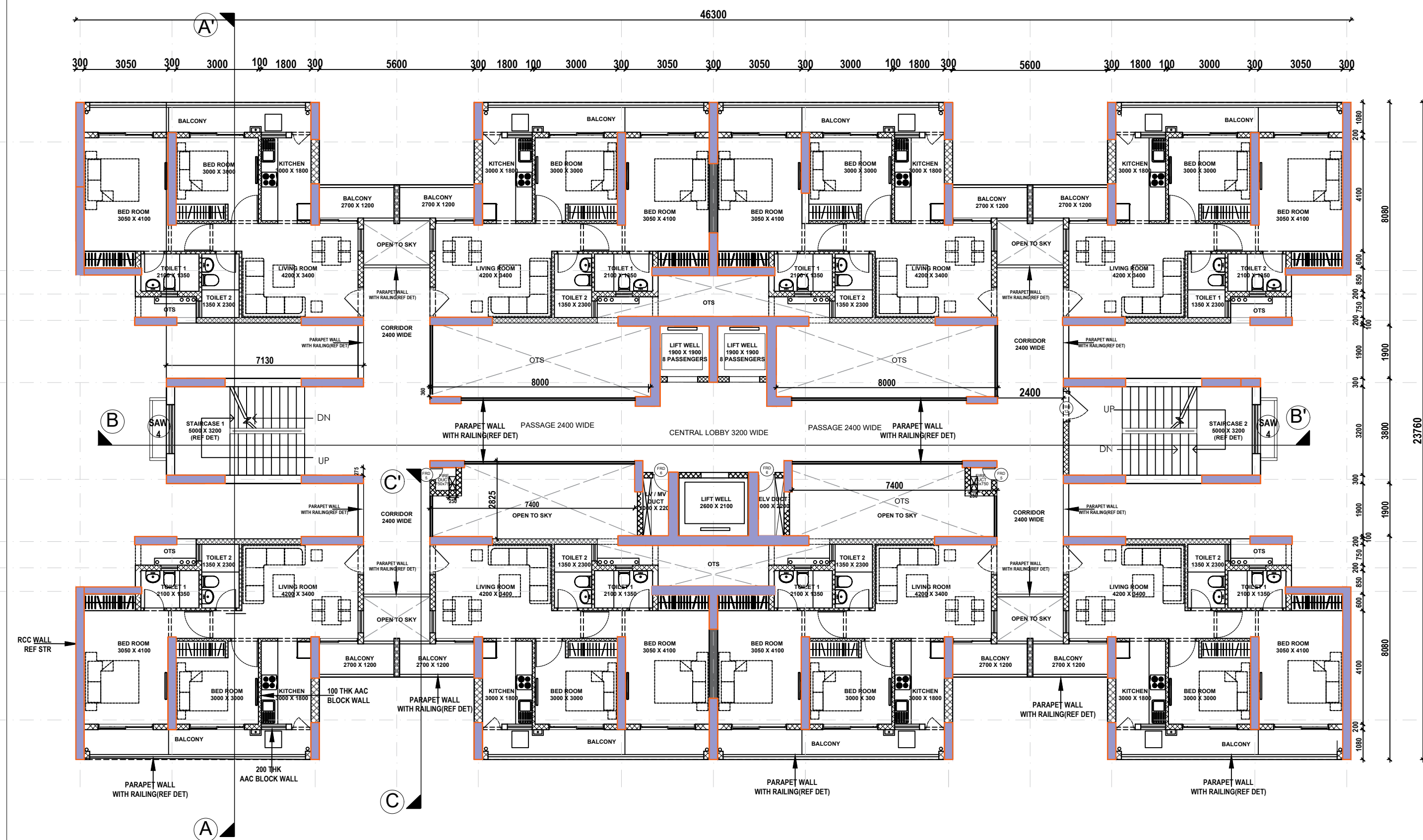
SL NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACQN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
SITE PLAN - B/R SERVICES			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO. 1/2
DRN	SUB DMM		
TCD	-		
CKD	-		
SCALE	AS SHOWN	REF DRG NO: S /2026 / 01	
AID (PLS)		DIRECTOR (PLS) FOR CHIEF ENGINEER NAVY	



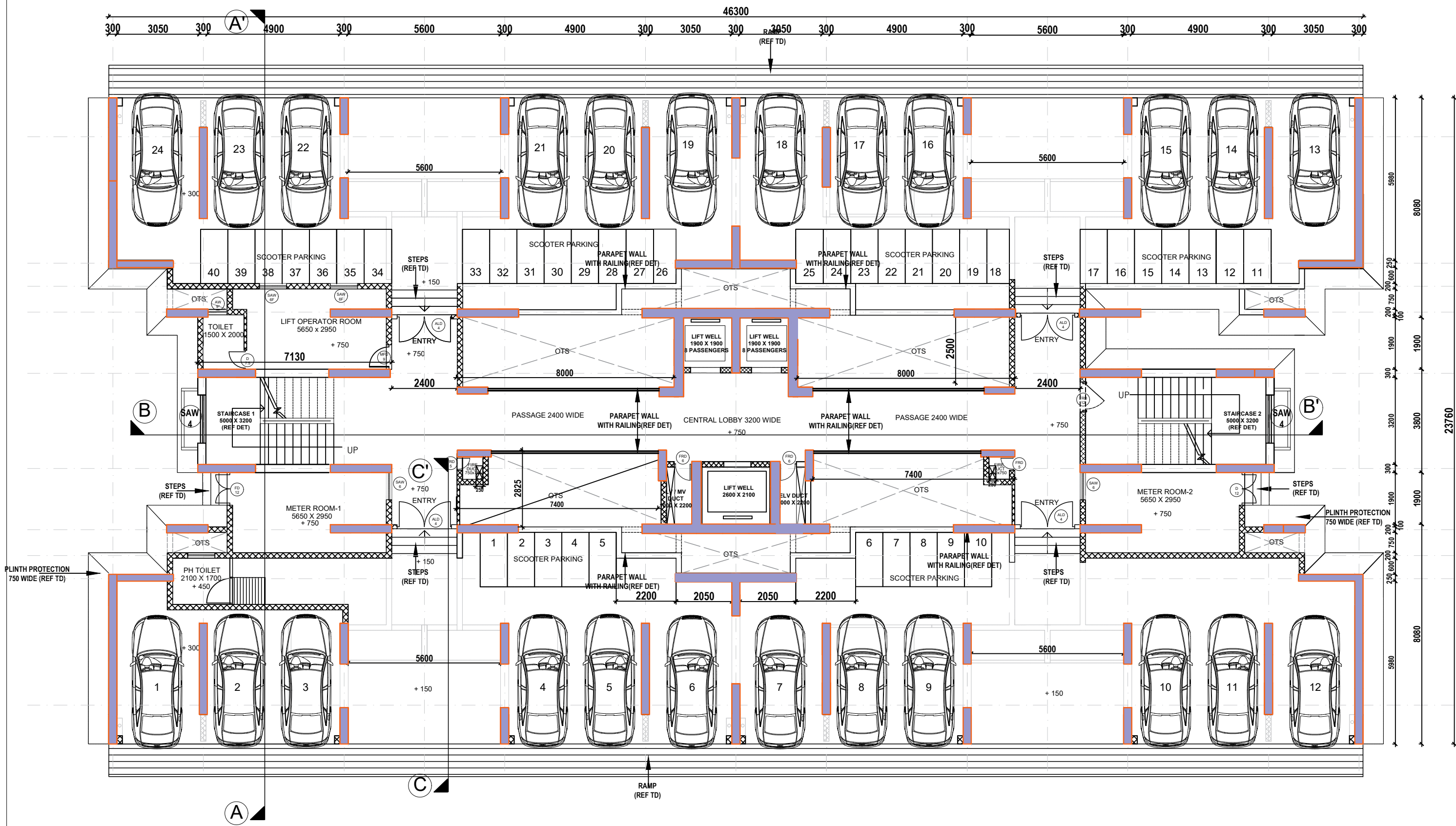
1.	PROP PUMP SET NO 1 & 2 48 DU's AMWP 2024-25 WORK	
2.	100 MM DIA DI PIPE LINE 48 DU's, AMWP 2024-25	
3.	PROP 100 MM DIA DI PIPE LINE	
4.	PROP 63 MM DIA GI PIPE LINE	
5.	EXISTING MAIN LT PANEL	
6.	EXISTING DG SET 250 KVA	
7.	PROP 2 RUN 3.5C X 240 SQMM X LPE CABLE	
8.	PROP 01 RUN 3.5C X 240 SQMM X LPE CABLE FOR UTILITY PANEL	

NOTES: --
1. OPEN DRAINS TO BE COVERED WITH RCC PERFORATED COVERS

SL NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DU's)			
SITE PLAN- EXTERNAL E/M SERVICES			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	SUB DMM		2
YCD	-		2
CKD	-		
SCALE	AS SHOWN	REF DRG NO: S/2026 /01	
A.D. (AM)		DIRECTOR (AM) FOR CHIEF ENGINEER NAVY	



TYPICAL FLOOR PLAN (FIRST TO SIXTH FLOOR)

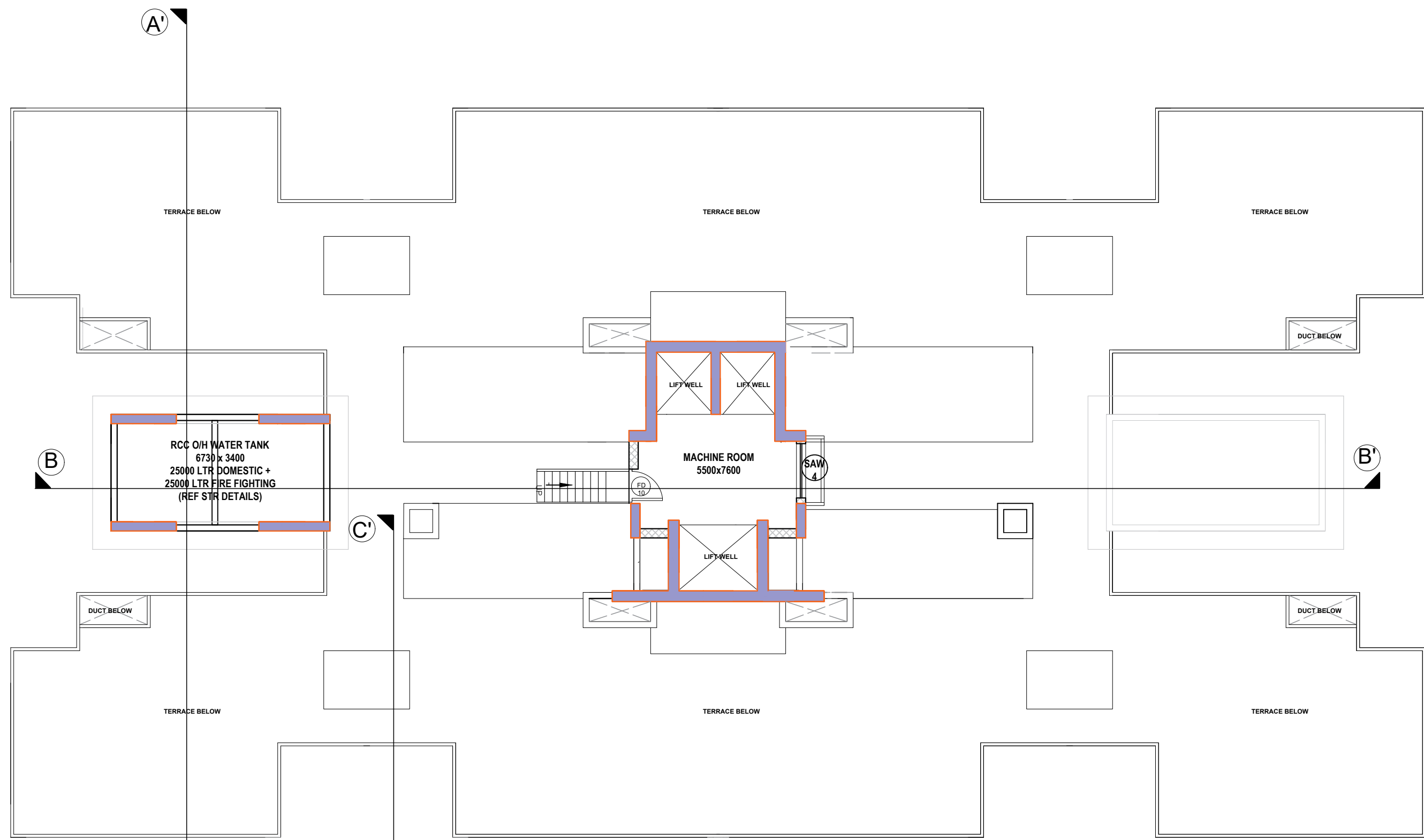


GROUND FLOOR PLAN

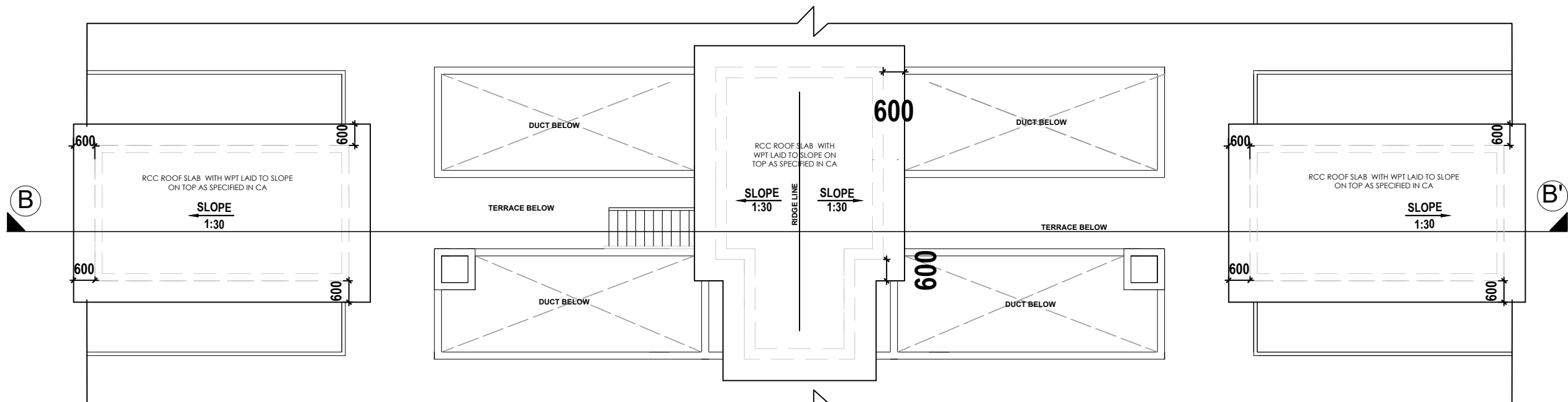
SCHEDULE FOR WINDOWS				
TYPE	SIZE	DESCRIPTION	REF TD	REMARKS
SAW 4	1500x1200	ALUMINIUM SLIDING WINDOW WITHOUT FLY PROOFING	TD/2007/39	
SAW 5	1000x1200	ALUMINIUM SLIDING WINDOW WITHOUT FLY PROOFING	TD/2007/39	
SAW 6F	1000x1200	ALUMINIUM SLIDING WINDOW WITH FLY PROOFING	TD/2007/39	
AW 9	600x1000	ALUMINIUM VENTILATOR	TD/2007/40	
SCHEDULE FOR DOORS				
FD 12	1200x2100	FACTORY MADE FLUSH DOOR WITH WOODEN FRAME (DECORATIVE FACE VENEERS ON BOTH FACES)	TD/2021/03	
MFD 9	900x2100	FACTORY MADE FLUSH DOOR WITH WOODEN FRAME (DECORATIVE FACE VENEERS ON BOTH FACES) WITH FACTORY MADE WOODEN FLY PROOF SHUTTER	TD/2021/03	
D 7.5	750x2100	FACTORY MADE MOULDED PVC DOOR (SOLID CORE) WITH PVC SOLID CORE FRAME	TD/2021/02	
ALD 4	2000x2400	GLAZED ALUMINIUM DOOR	TD/2007/13	
FRD 12	1200x2100	FIRE RESISTANCE DOOR	REF DET	
FRD 5	500x2100	FIRE RESISTANCE DOOR	REF DET	
FRD 6	600x2100	FIRE RESISTANCE DOOR	REF DET	
NOTES:-				
1. 6MM THK TOUGHENED GLASS TO BE PROVIDE IN ALL SLIDING DOORS AND WINDOWS.				
2. FLY PROOF DOOR SHUTTER :- LOCK RAIL / MIDDLE RAIL , 02 X SASH BAR TO BE PROVIDE.				
3. IN ALL WINDOWS AND VENTILATOR MINOR GAPS BETWEEN FRAMES AND WALL SURFACE TO BE FILLED WITH EPOXY TO AVOID INGRESS OF RAIN WATER.				
4. ALL FLUSH DOORS WITH MAGIC EYE EXCEPT TOILET & BATHROOM.				
5. ALL ALUMINIUM WINDOWS AND SLIDING DOORS ARE POWDER COATED, COLOUR OF COATING SHALL BE APPROVED BY GE				

NOTES:--			
1. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE EXECUTION OF THE WORK.			
2. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED			
3. FIGURED DIMENSIONS SHALL BE FOLLOWED. DRGS ARE NOT TO BE MEASURED.			
4. EXECUTIVE AUTHORITY SHALL CHECK AND VERIFY ALL THE DRGS. BEFORE TAKING EXECUTION IN HAND.			
5. ROOF BAND LINTEL BAND & PLINTH BAND SHALL BE PROVIDED AS PER STRUCTURAL DRAWINGS.			
6. FLOOR TO FLOOR HEIGHT SHOWN IS FROM FFL TO FFL FOR GROUND FLOOR & FFL TO TOP OF RCC SLAS EXCLUDING WP TREATMENT AT TOP FLOOR AND ROOM HEIGHT SHALL BE MEASURED AT THE FARTHEST END FROM THE RIDGE LINE.			
7. DETAILS GIVEN IN TD / FD DRGS SHALL BE FOLLOWED AS INDICATED IN MAIN DRAWING.			
8. DETAILS / BUILT IN FURNITURE SHOWN AT FIRST FLOOR SHALL BE APPLICABLE AT SECOND FLOOR TO SIXTH FLOOR (ABOVE THE SAME ROOM) UNLESS OTHERWISE SHOWN.			
9. RCC STRUCTURAL ELEMENTS SHALL BE FOLLOWED WITH SIZE/THICKNESS AS PER STR. DRGS IRRESPECTIVE OF THE SAME ARE SHOWN OR NOT SHOWN IN ARCH DRGS.			
10. 50X25 DRIP MOULD IN PLASTER SHALL BE PROVIDED TO ALL ROOF PROJECTIONS / CANOPIYS / CHAJJAS WITH OUT DOWN WARD FACIA.			
11. PCC COPING SHALL BE PROVIDED ABOVE ALL PARAPET WALL/COMPOUND WALL AS PER DETAIL.			
12. PLINTH PROTECTION SHALL BE PROVIDED AROUND THE BLDG AS PER DETAIL IRRESPECTIVE OF SHOWN OR NOT SHOWN IN DRAWINGS.			
13. PIPE FROM NT / FT TO NT / FT AND NT / FT TO GT WHICH IS EMBEDDED BELOW FFL SHALL BE 75 Ø C / PIPE OR AS SPECIFIED			
14. FLOOR OF CENTRAL LOBBY, CORRIDOR, BALCONY, OPEN PLATFORM, KITCHEN AND TOILETS SHALL BE 10MM LOWER (DROP) THAN THE GENERAL FINISHED FLOOR LEVEL.			
15. DRAWERY ROD SHALL BE PROVIDED TO ALL DOORS AND WINDOWS EXCEPT LOCATIONS, ENTRANCE HALL, LOBBY, CORRIDOR, PASSAGE, STORE, TOILET, WC AND BATH.			
16. EDGES OF KOTA STONE / MARBLE / GRANITE TOPPING OF COUNTERS, STEPS & PLATFORMS IN TOILET SHALL BE ROUNDED OFF.			
17. PEG SET OF THREE SHALL BE FIXED ON WALL OF ALL TOILET, WC AND BATH. WHEREVER LOCATION DECIDED BY THE GE DURING EXECUTION, WHETHER SHOWN OR NOT SHOWN IN DRAWINGS.			
18. CILL TYPE A TO BE PROVIDED TO ALL WINDOW.			
19. 150 HT SKIRTING TO BE PROVIDED IN ALL ROOMS.			
20. DADO - 2100 HT IN ALL TOILET BLOCK.			
21. DECO GRANITE SLAB / TILES TO BE PROVIDED ALL EXTERNAL FACE OF LIFT.			
27. FALSE CEILING AS SPECIFIED IN PS IS TO BE PROVIDED ONLY ON ALL ROOMS OF TOP FLOOR AT MIN 2.9M HT.			
28. LOCAL SUNK TO BE PROVIDE IN ALL KITCHEN			

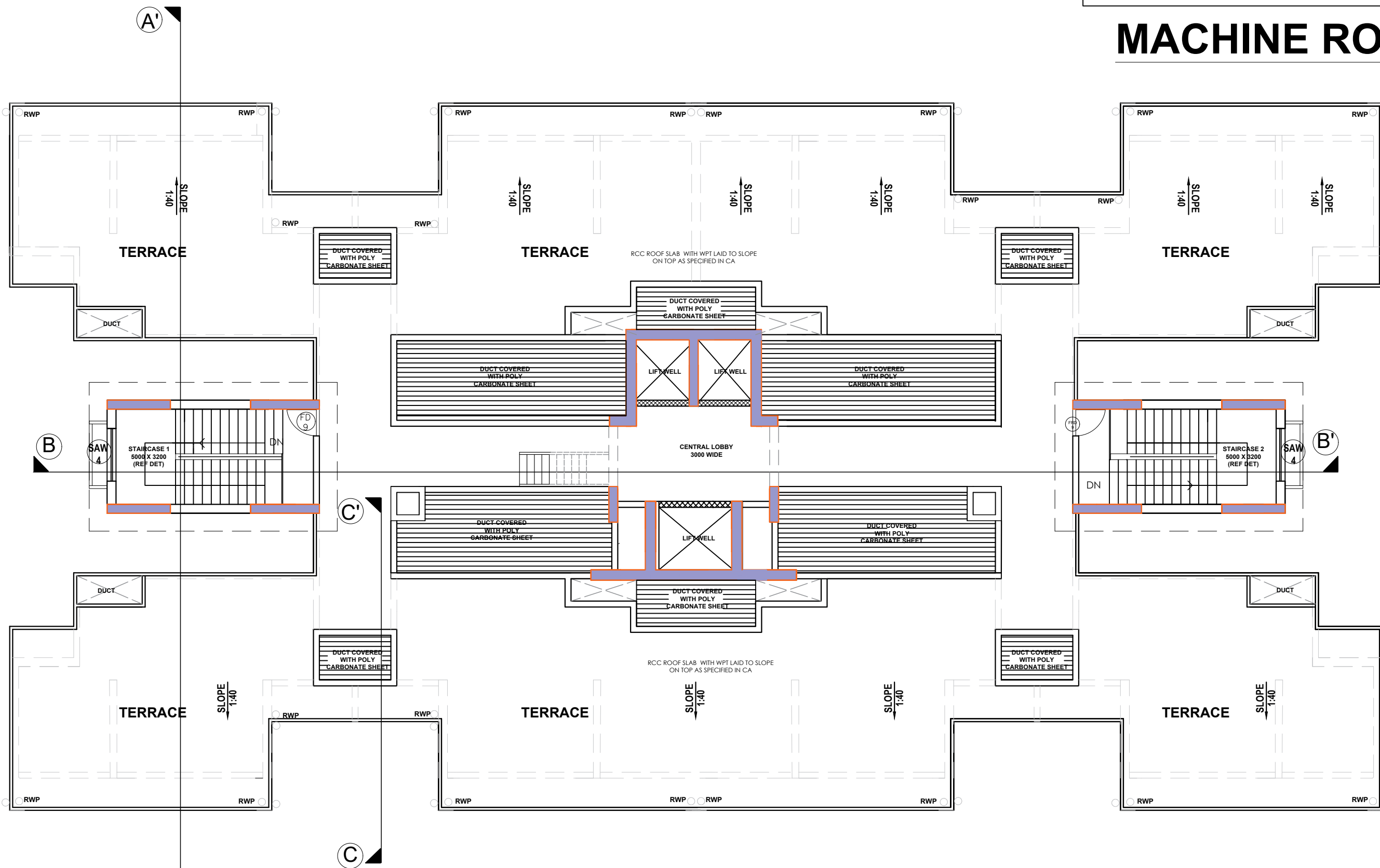
SL. NO.	DATE	DESCRIPTION	SIGN	
REVISION				
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)				
GROUND FLOOR , TYPICAL FLOOR PLAN (FIRST TO SIXTH FLOOR)				
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO. <div>1 / 12</div>	
DRN	SUB DMM			
TCD	-			
CKD	-			
SCALE	AS SHOWN	REF DRG NO: WD /2026 / 01		
AAD (ARCH)		DIRECTOR (ARCH) FOR CHIEF ENGINEER NAVY		



PLAN AT MACHINE ROOM LEVEL



MACHINE ROOM & WATER TANK ROOF PLAN



TERRACE PLAN



SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (Pos & BELOW) AT PORBANDAR (48 DUs)			
TERRACE , MACHINE ROOM LVL PLAN			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	SUB DMM		2 12
TCD	-		
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD /2026 / 01	
AAD (ARCH)		DIRECTOR (ARCH) FOR CHIEF ENGINEER NAVY	

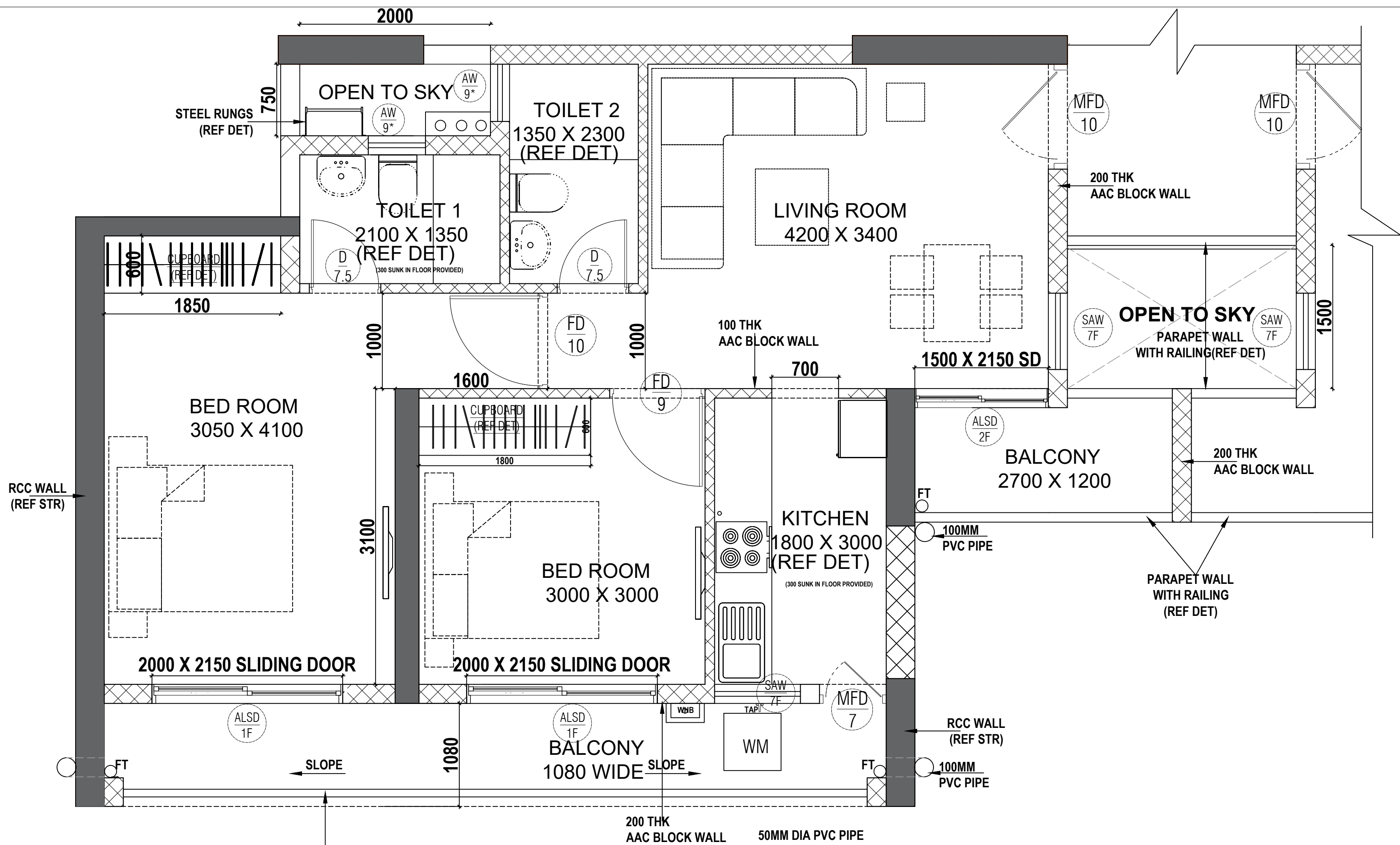


REAR ELEVATION



FRONT ELEVATION

SL. NO.		DATE	DESCRIPTION	SIGN	
REVISION					
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)					
FRONT & REAR ELEVATION					
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI		SHEET NO. 3 12	
DRN	SUB DMM				
TCD	-				
CKD	-				
SCALE	AS SHOWN	REF DRG NO: WD /2026 / 01			
					
AAD (ARCH)		DIRECTOR (ARCH) FOR CHIEF ENGINEER NAVY			



DETAILS OF SINGLE DU
(SCALE 1:50)



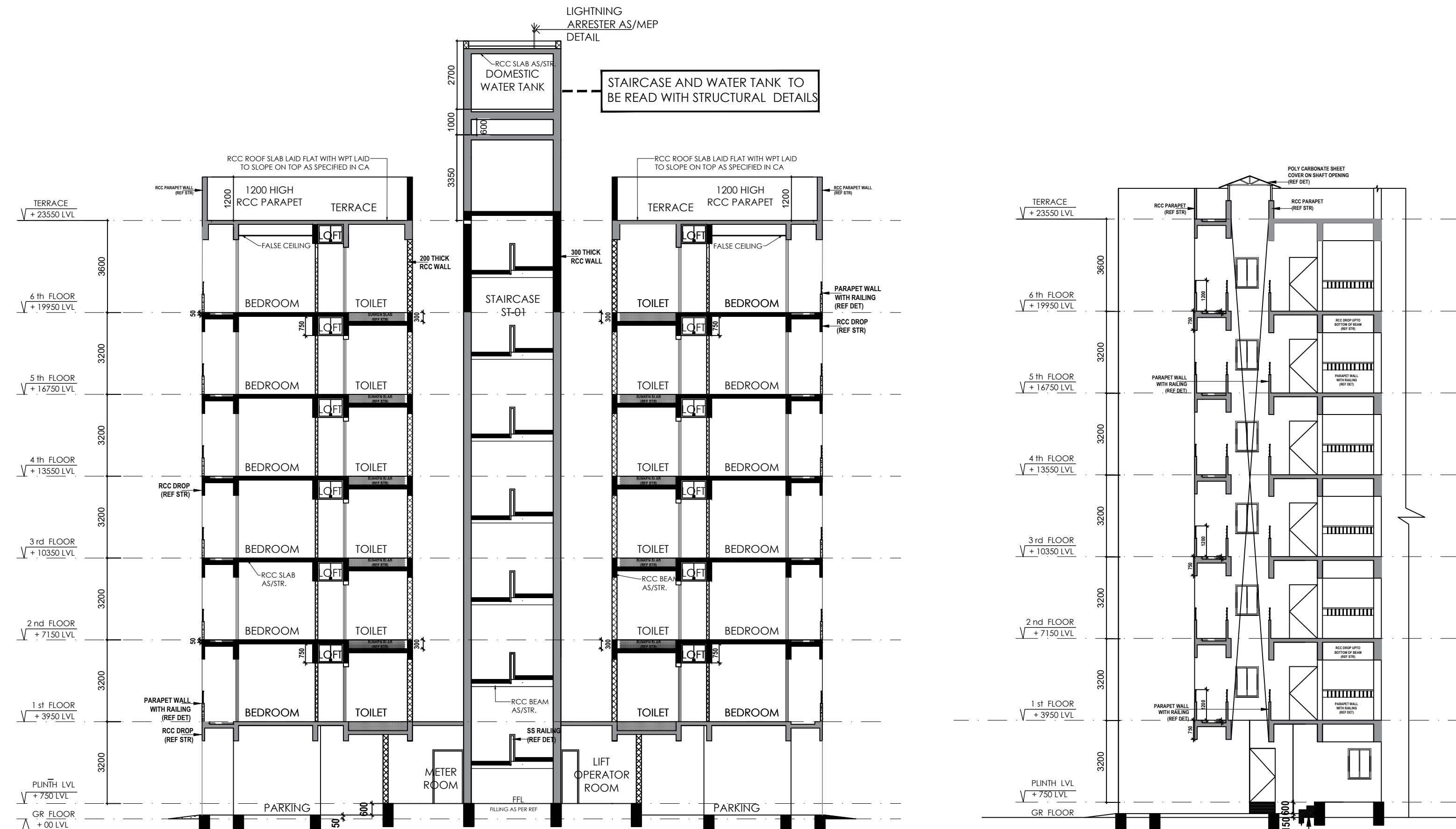
LEFT ELEVATION



RIGHT ELEVATION

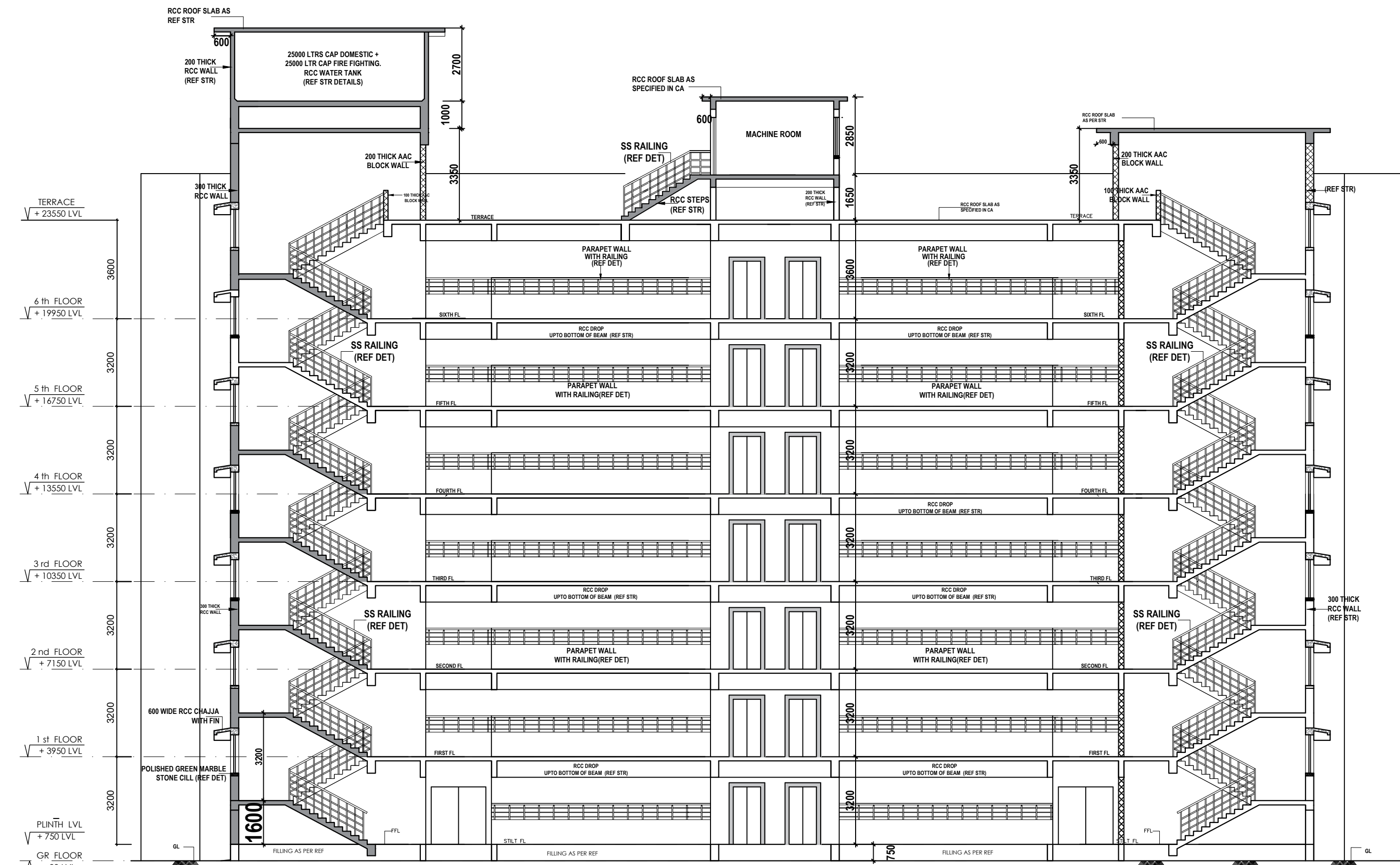
SCHEDULE FOR WINDOWS				
TYPE	SIZE	DESCRIPTION	REF TD	REMARKS
SAW 7F	900x1200	ALUMINIUM SLIDING WINDOW WITH FLY PROOFING	TD/2007/39	SIZE OF THE DOOR AS PER GIVEN, ALL OTHER DETAILS REF TD/2007/39
AW 8	600x1000	ALUMINIUM VENTILATOR	TD/2007/40	
SCHEDULE FOR DOORS				
ALSD 1F	2000x2150	GLAZED ALUMINIUM SLIDING DOOR WITH FLY PROOF - 04 TRACKS (03 x TRACK FOR ALUMINIUM SLIDING SHUTTER, 01x TRACK FOR FLY PROOF SHUTTER)	TD/2016/01	SIZE OF THE DOOR AS PER GIVEN & REF DETAILS, ALL OTHER DETAILS REF TD/2016/01
ALSD 2F	1500x2150	GLAZED ALUMINIUM SLIDING DOOR WITH FLY PROOF - 03 TRACKS (02 x TRACKS FOR ALUMINIUM SLIDING SHUTTER, 01x TRACK FOR FLY PROOF SHUTTER)	TD/2016/01	SIZE OF THE DOOR AS PER GIVEN & REF DETAILS, ALL OTHER DETAILS REF TD/2016/01
MFD 10	1000x2100	FACTORY MADE FLUSH DOOR WITH WOODEN FRAME (DECORATIVE FACE VENEERS ON BOTH FACES) WITH FACTORY MADE WOODEN FLY PROOF SHUTTER	TD/2021/03	
FD 10	1000x2100	FACTORY MADE FLUSH DOOR WITH WOODEN FRAME (DECORATIVE FACE VENEERS ON BOTH FACES)	TD/2021/03	
FD 9	900x2100	FACTORY MADE FLUSH DOOR WITH WOODEN FRAME (DECORATIVE FACE VENEERS ON BOTH FACES)	TD/2021/03	
MFD 9	900x2100	FACTORY MADE FLUSH DOOR WITH WOODEN FRAME (DECORATIVE FACE VENEERS ON BOTH FACES) WITH FACTORY MADE WOODEN FLY PROOF SHUTTER	TD/2021/03	
MFD 7	700x2100	FACTORY MADE FLUSH DOOR WITH WOODEN FRAME (DECORATIVE FACE VENEERS ON BOTH FACES) WITH FACTORY MADE WOODEN FLY PROOF SHUTTER	TD/2021/03	SIZE OF THE DOOR AS PER GIVEN, ALL OTHER DETAILS REF TD/2021/03
D 7.5	750x2100	FACTORY MADE MOULDED PVC DOOR (SOLID CORE) WITH PVC SOLID CORE FRAME	TD/2021/02	
NOTES:-				
1. 6MM THK TOUGHENED GLASS TO BE PROVIDE IN ALL SLIDING DOORS AND WINDOWS .				
2. FLY PROOF DOOR SHUTTER :- LOCK RAIL / MIDDLE RAIL , 02 X SASH BAR TO BE PROVIDE.				
3. IN ALL WINDOWS AND VENTILATOR MINOR GAPS BETWEEN FRAMES AND WALL SURFACE TO BE FILLED WITH EPOXY TO AVOID INGRESS OF RAIN WATER.				
4. ALL FLUSH DOORS WITH MAGIC EYE EXCEPT TOILET & BATHROOM.				
5. ALL ALUMINIUM WINDOWS AND SLIDING DOORS ARE POWDER COATED, COLOUR OF COATING SHALL BE APPROVED BY GE.				

REVISION			
SL. NO.	DATE	DESCRIPTION	SIGN
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
LEFT & RIGHT ELEVATION, DETAIL OF SINGLE DU			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	SUB DMM		4
TCD	-		12
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD /2026 / 01	
AAD (ARCH)		DIRECTOR (ARCH) FOR CHIEF ENGINEER NAVY	



SECTION AT 'A-A'
(SCALE - 1:100)

SECTION AT 'C-C'
(SCALE - 1:100)



SECTION AT 'B-B'
(SCALE - 1:100)

SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			

PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
SECTION AA & SECTION BB			
DATE	12 MAY 2026	<div>CHIEF ENGINEER (NAVY) MUMBAI</div>	<div>SHEET NO. 5 12</div>
DRN	SUB DMM		
TCD	-		
CKD	-		
SCALE	AS SHOWN		
		REF DRG NO: WD /2026 / 01	

ADD (ARCH)

DIRECTOR (ARCH)
FOR CHIEF ENGINEER NAVY

(SCALE - 1:50)

DETAIL OF STAIRCASE
(SCALE = 1:50)

DETAIL OF STAIRCASE - 1
(SCALE - 1:50)

FLOOR (LIFT OPERATOR)

NOTE:- PCC PLATFORM NOT PROVIDE WHERE CYLINDER LOCATION MARKED

(MUMTY LVL)

Age	Percentage
18-24	85
25-34	75
35-44	65
45-54	55
55-64	45
65+	15

DETAIL OF STAIR

SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			

PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs)

DETAILS 1 - (STAIRCASE 1, FIRE ESCAPE STAIRCASE,
TOILET, KITCHEN)

DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO
DRN	SUB DMM		6 12
TCD	-		
CKD	-		
SCALE	AS SHOWN		
		REF DRG NO: WD /2026 / 01	

AAD (ARCH)


DIRECTOR (ARCH)
FOR CHIEF ENGINEER NAV

ELEVATION

SECTION

ELEVATION

SLIDING TYPE	4 TRACK ALUMINUM SLIDING
LOCATION / ROOM NUMBER	PROVISION OF ONE TRACK FOR FLY PROOF
SIZE(WxH) / ROUGH OPENING	AS SHOWN ON DRG
MATERIAL	AS PER DRG X2150 MM
FINISH	AL
	POWDER COAT

PLAN

NOTES:

4 TRACKS (03 x 4) ALUMINUM SLIDING

ELEVATION

1500

2150

GLASS SLIDING SHUTTER

WIRE MESH SHUTTER

RECESSED LOOK

TOUGHENED GLASS 6MM THK

SS BEARING ROLLER

TYPICAL FLOOR FINISH LVL

SLIDING DOOR - INSIDE

RECESSED LOOK

TYPICAL FLOOR FINISH LVL

BEAM BOTTOM

INSIDE

OUTSIDE

SECTION

1500

2150

GLASS SLIDING SHUTTER

TOUGHENED GLASS 6MM THK

SS BEARING ROLLER

TYPICAL FLOOR FINISH LVL

SLIDING DOOR - OUTSIDE

INSIDE

OUTSIDE

ELEVATION

1500

2150

GLASS SLIDING SHUTTER

TOUGHENED GLASS 6MM THK

SS BEARING ROLLER

TYPICAL FLOOR FINISH LVL

SLIDING DOOR - OUTSIDE

INSIDE

OUTSIDE

PLAN

1500

2150

GLASS SLIDING SHUTTER

TOUGHENED GLASS 6MM THK

SS BEARING ROLLER

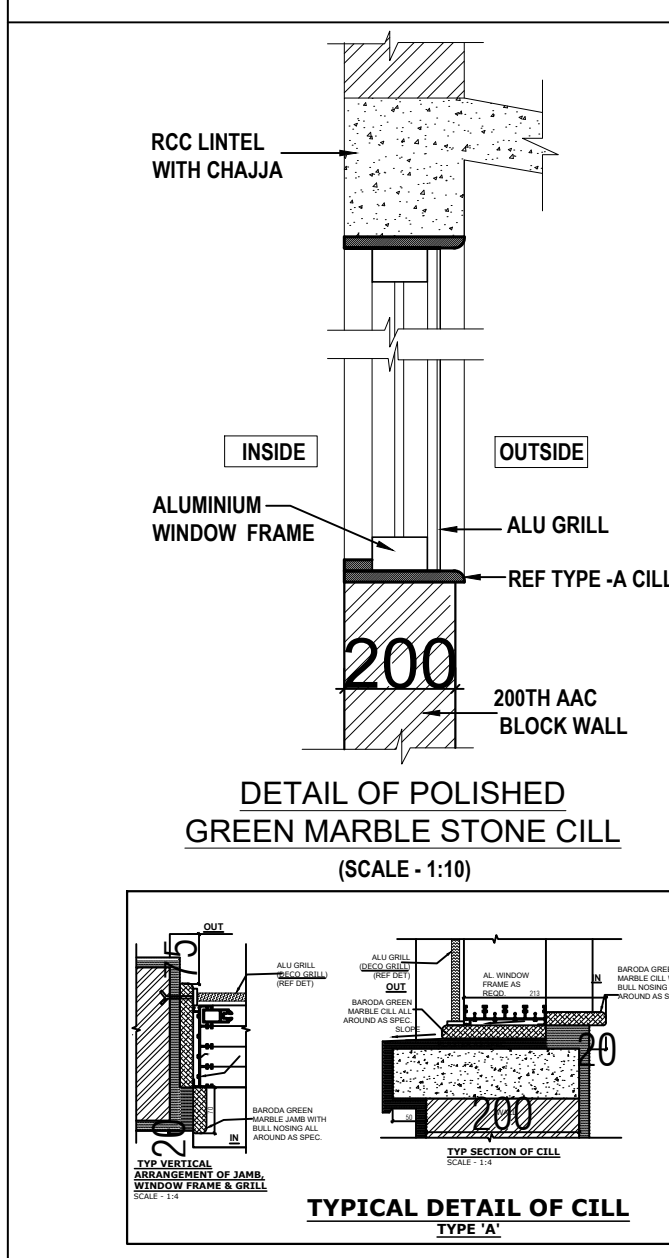
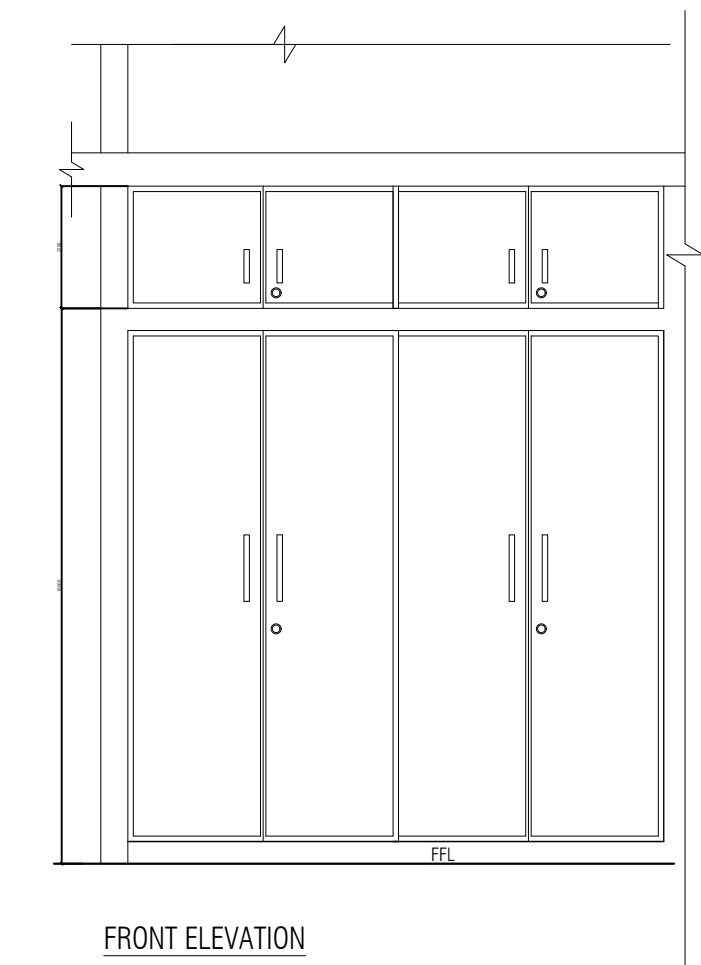
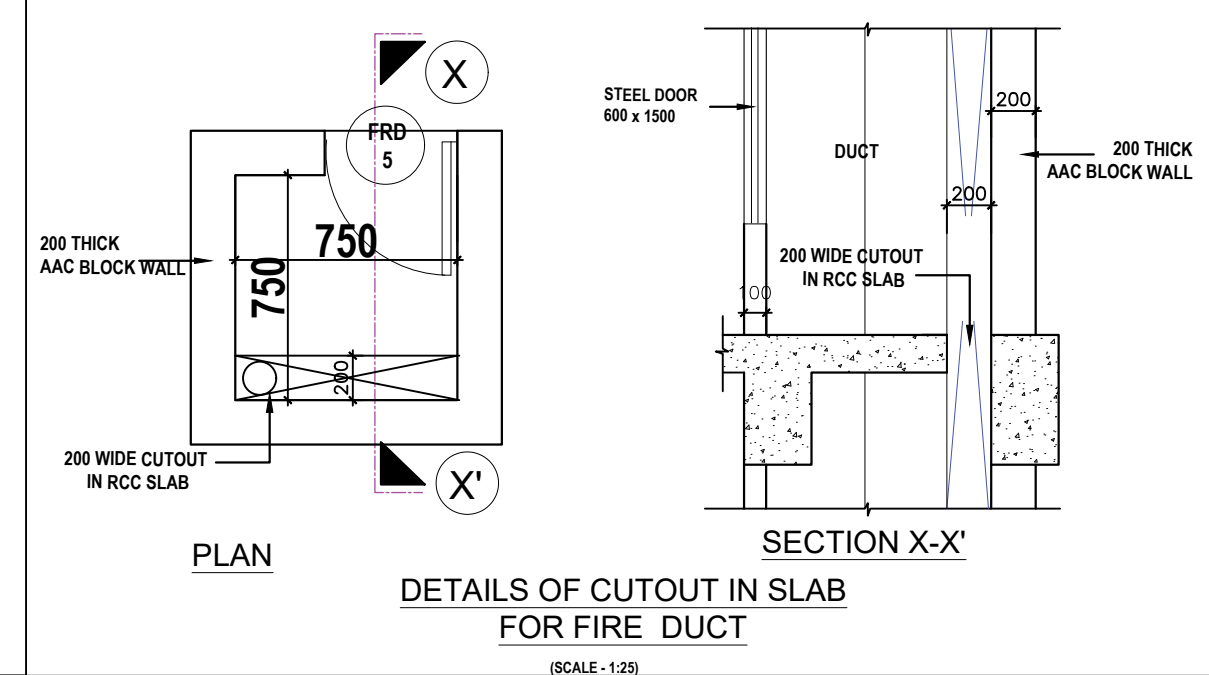
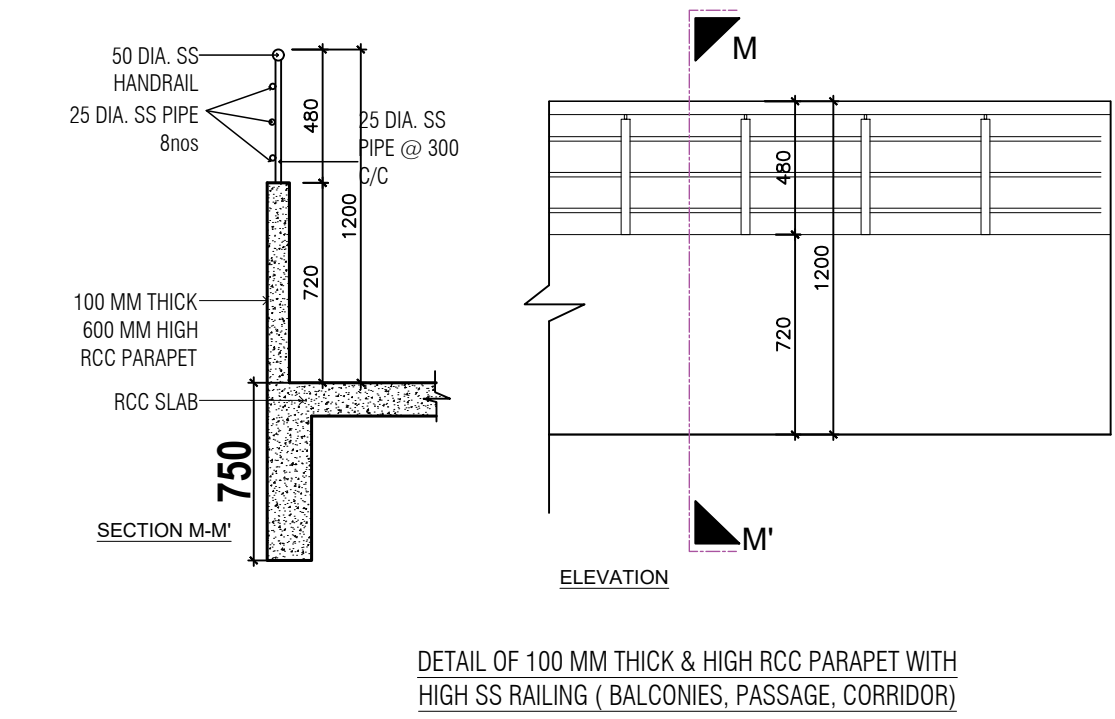
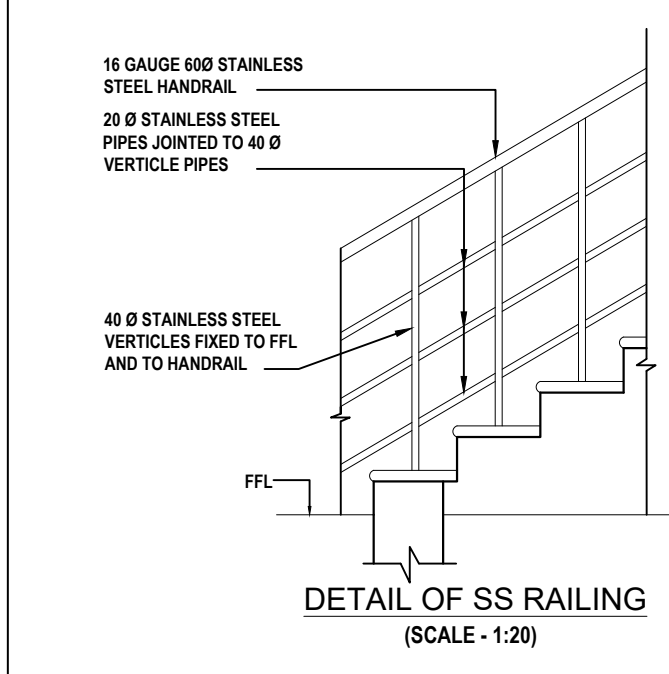
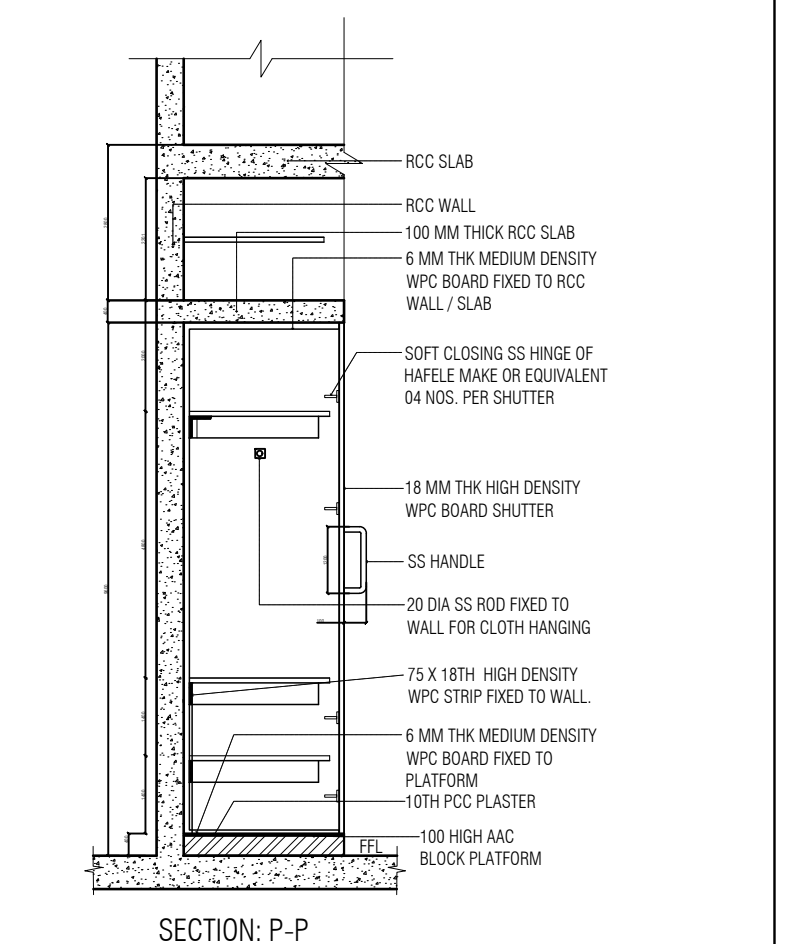
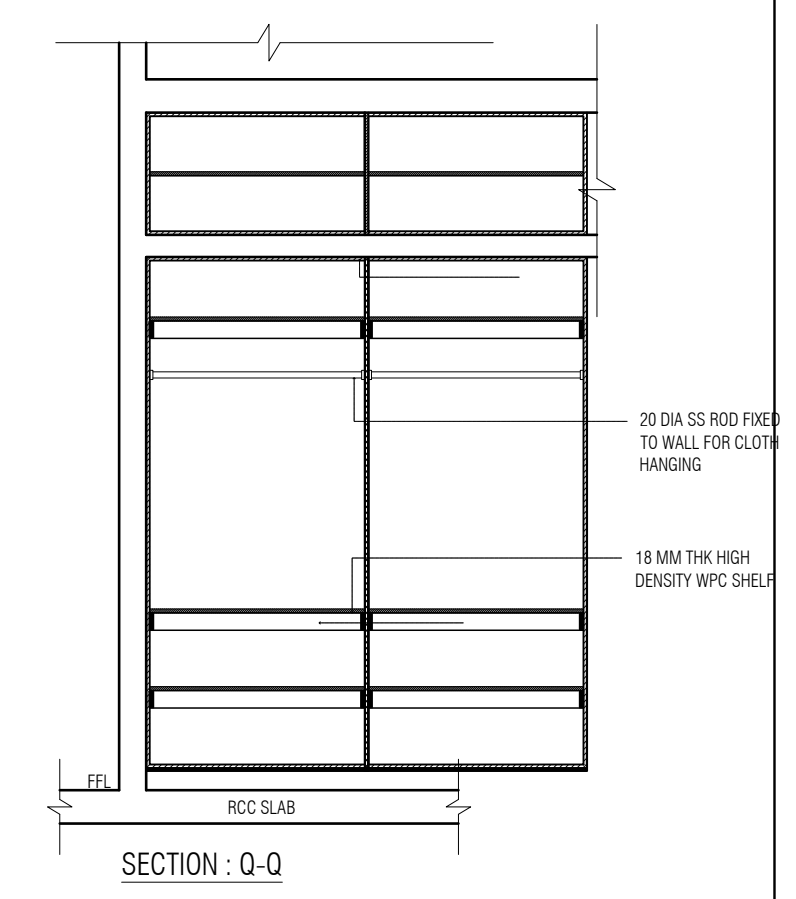
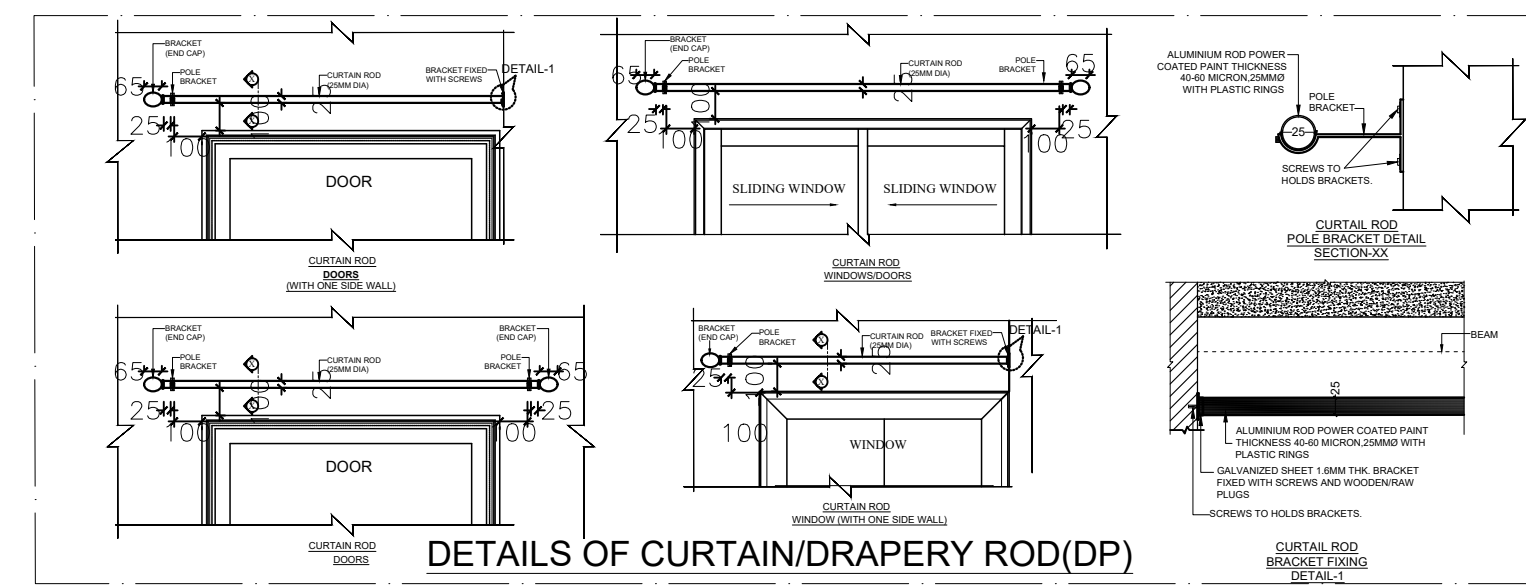
TYPICAL FLOOR FINISH LVL

SLIDING DOOR - OUTSIDE

INSIDE

OUTSIDE

SLIDING TYPE	3 TRACK ALUMINUM SLIDING
LOCATION / ROOM NUMBER	PROVISION OF ONE TRACK FOR FLY PROOF
SIZE(WxH) / ROUGH OPENING	AS SHOWN ON DRG
MATERIAL	AS PER DRG 12150 MM
FINISH	AL
	POWDER COAT



DETAIL OF SS LADDER

PLAN

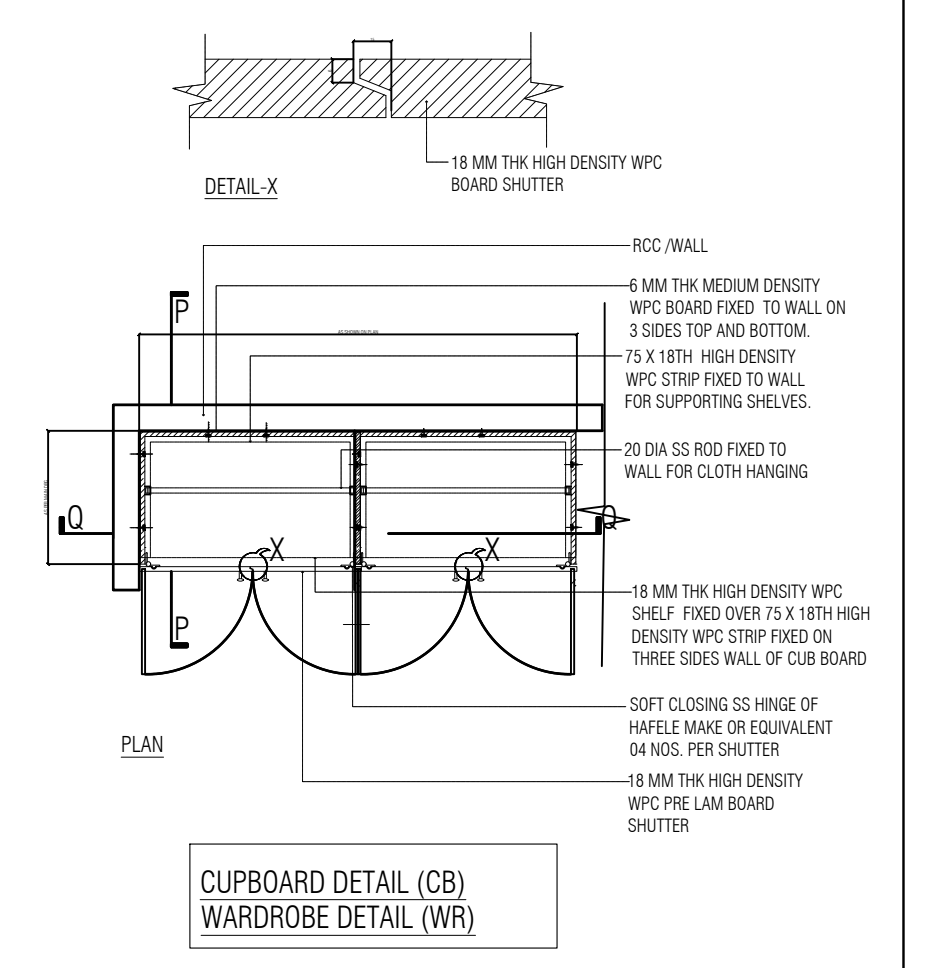
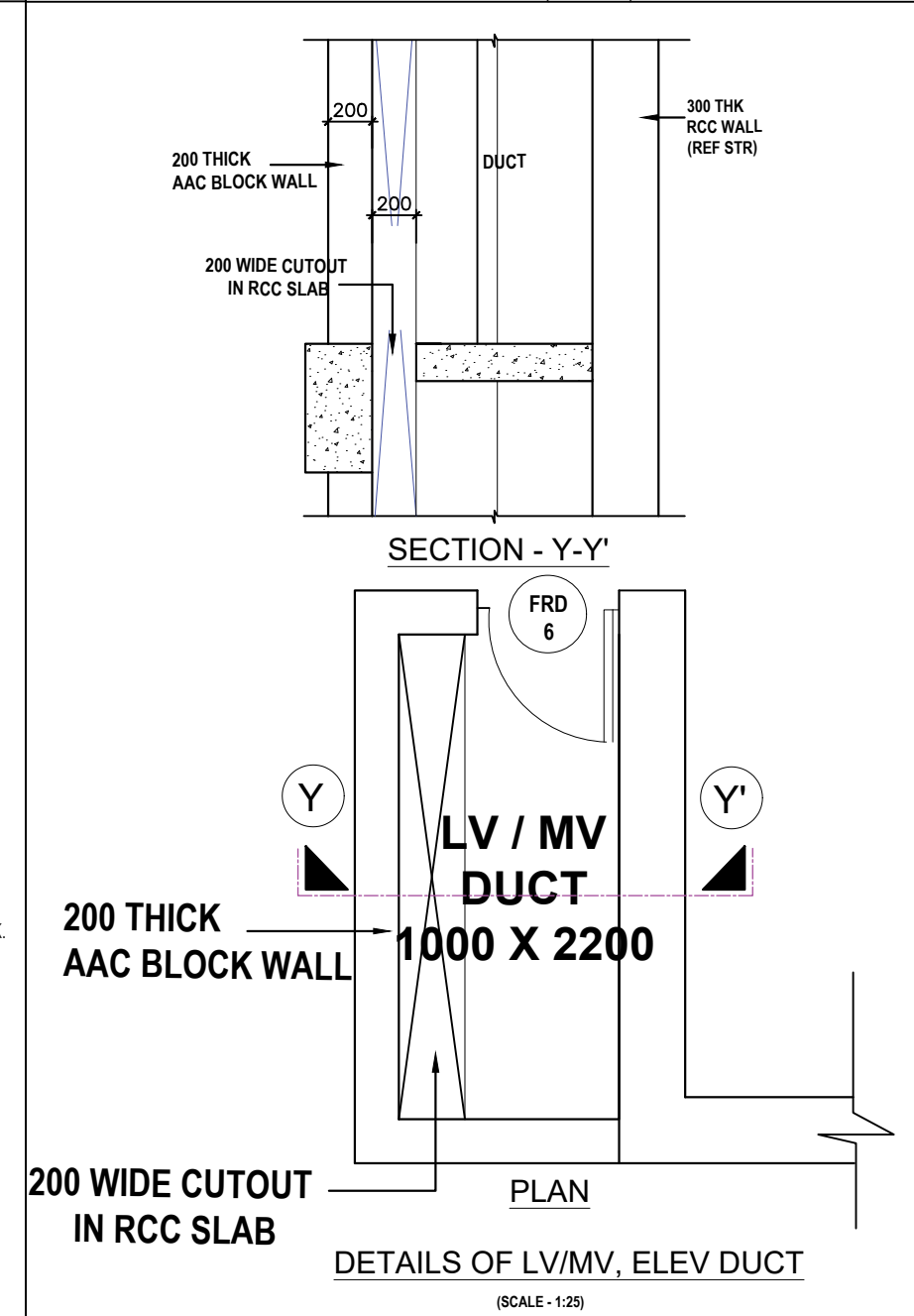
- 50 MM Ø SS PIPE 3.1 MM THK.
- 50 MM Ø SS PIPE 3.1 MM THK WELDED TO 50 Ø SS VERTICAL PIPE @ 1500 C/C
- 150 MM Ø SS PLATE 10 MM THK WELDED TO 50 Ø SS PIPE
- Ø4 NOS EXPANSION BOLT
- WALL/COLUMN
- WELD
- 25 MM Ø SS PIPE 3.1 MM THK @ 250 C/C WELDED BOTH ENDS TO 50 Ø SS VERTICAL PIPE



SECTION

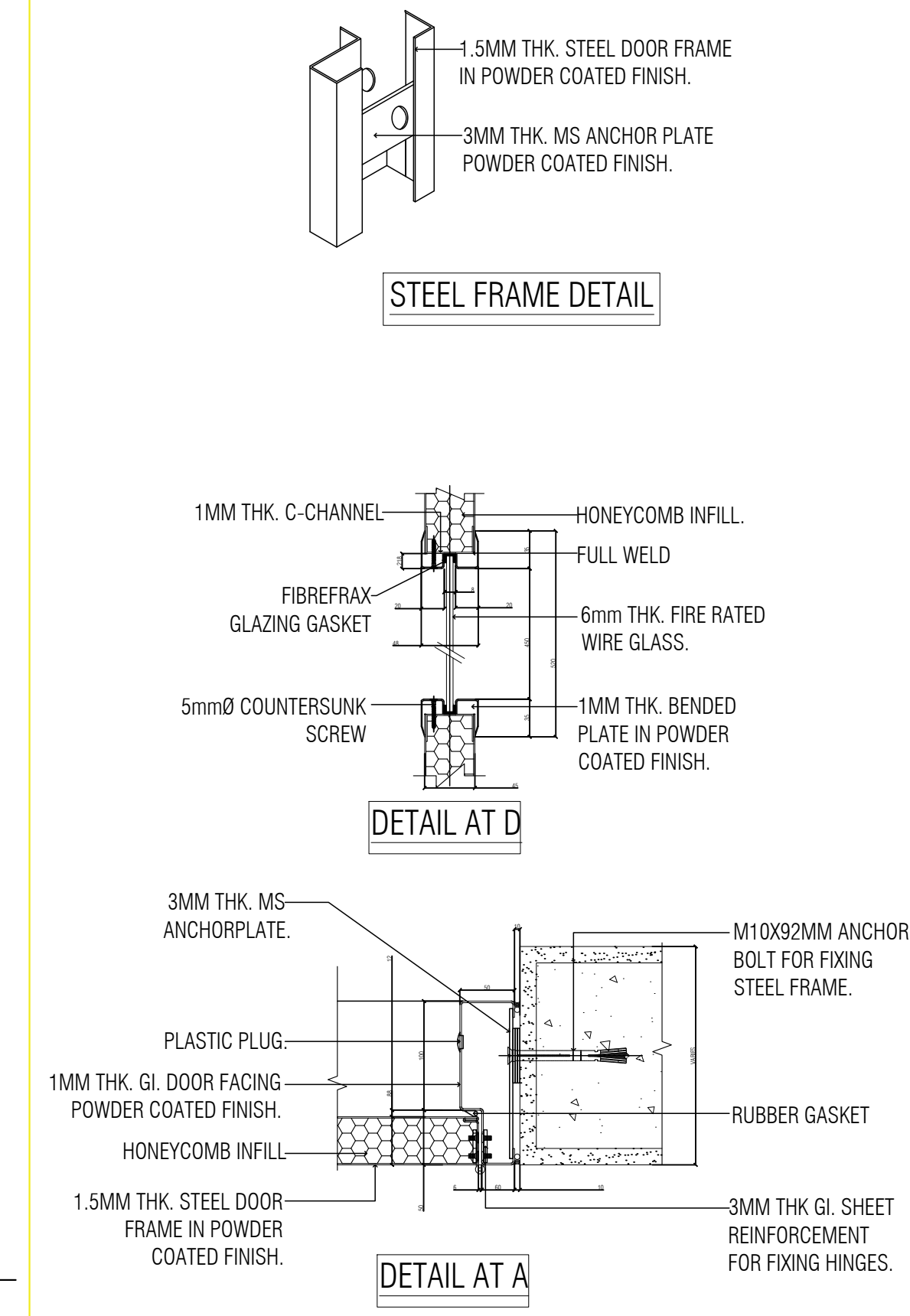
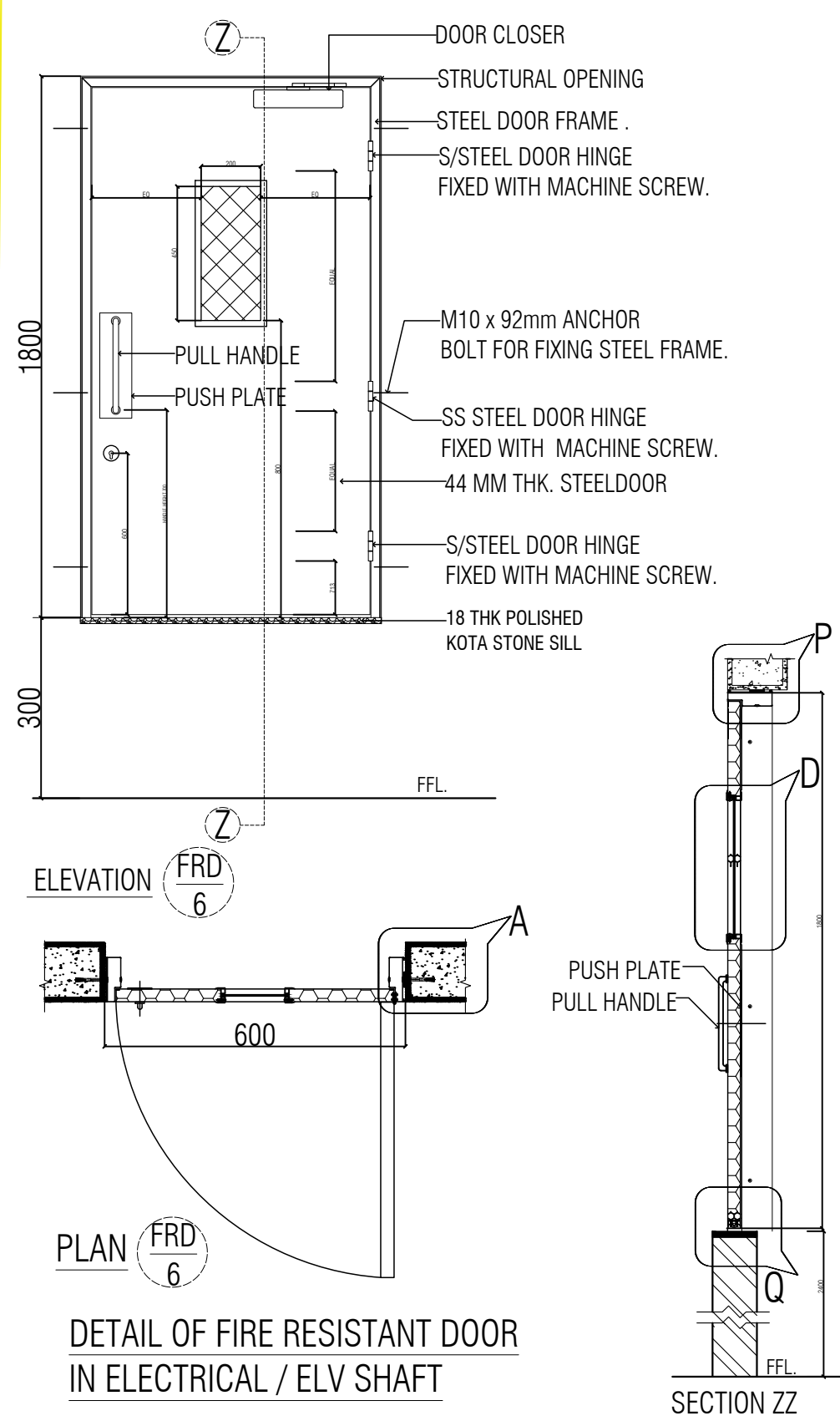
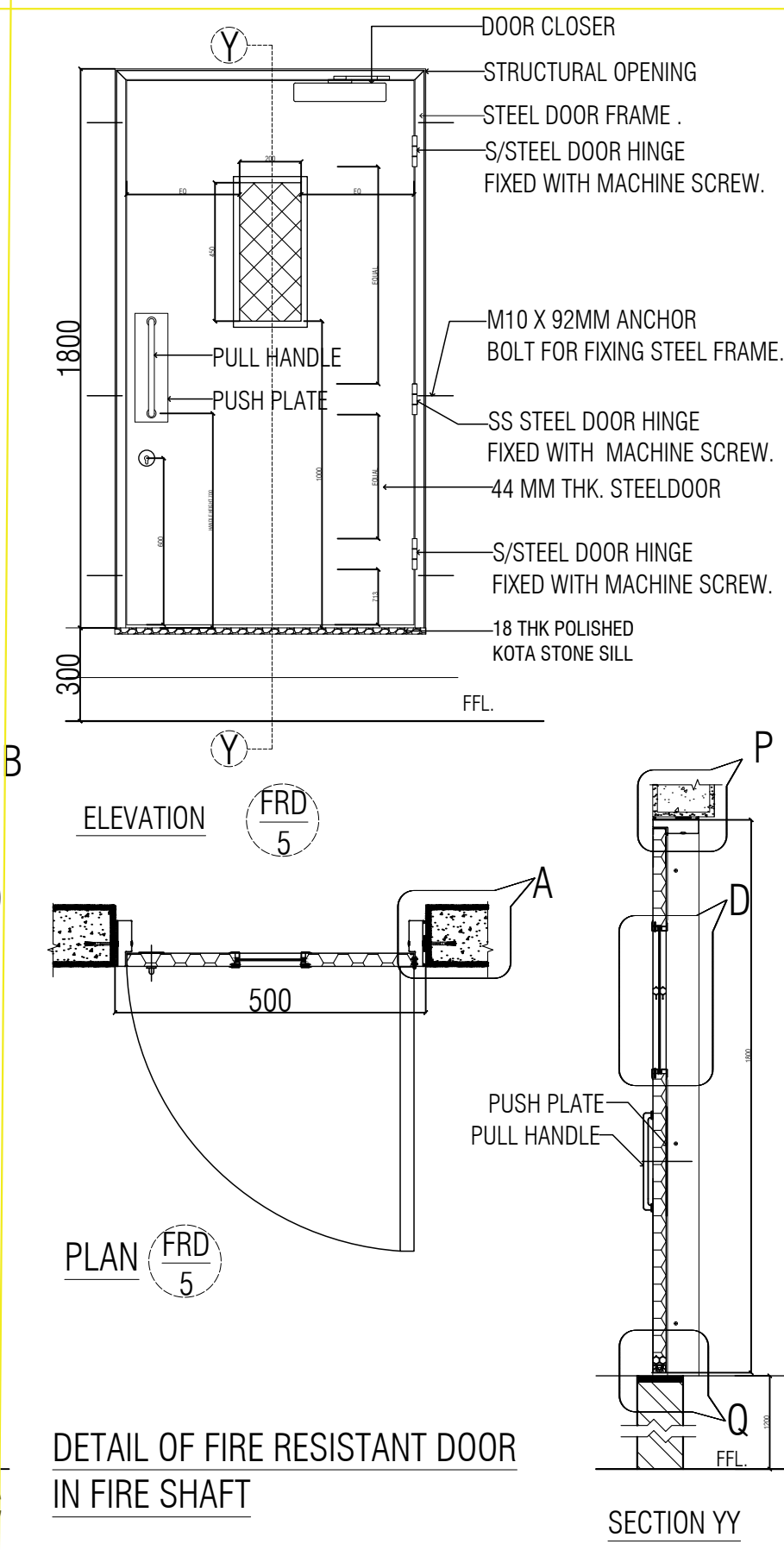
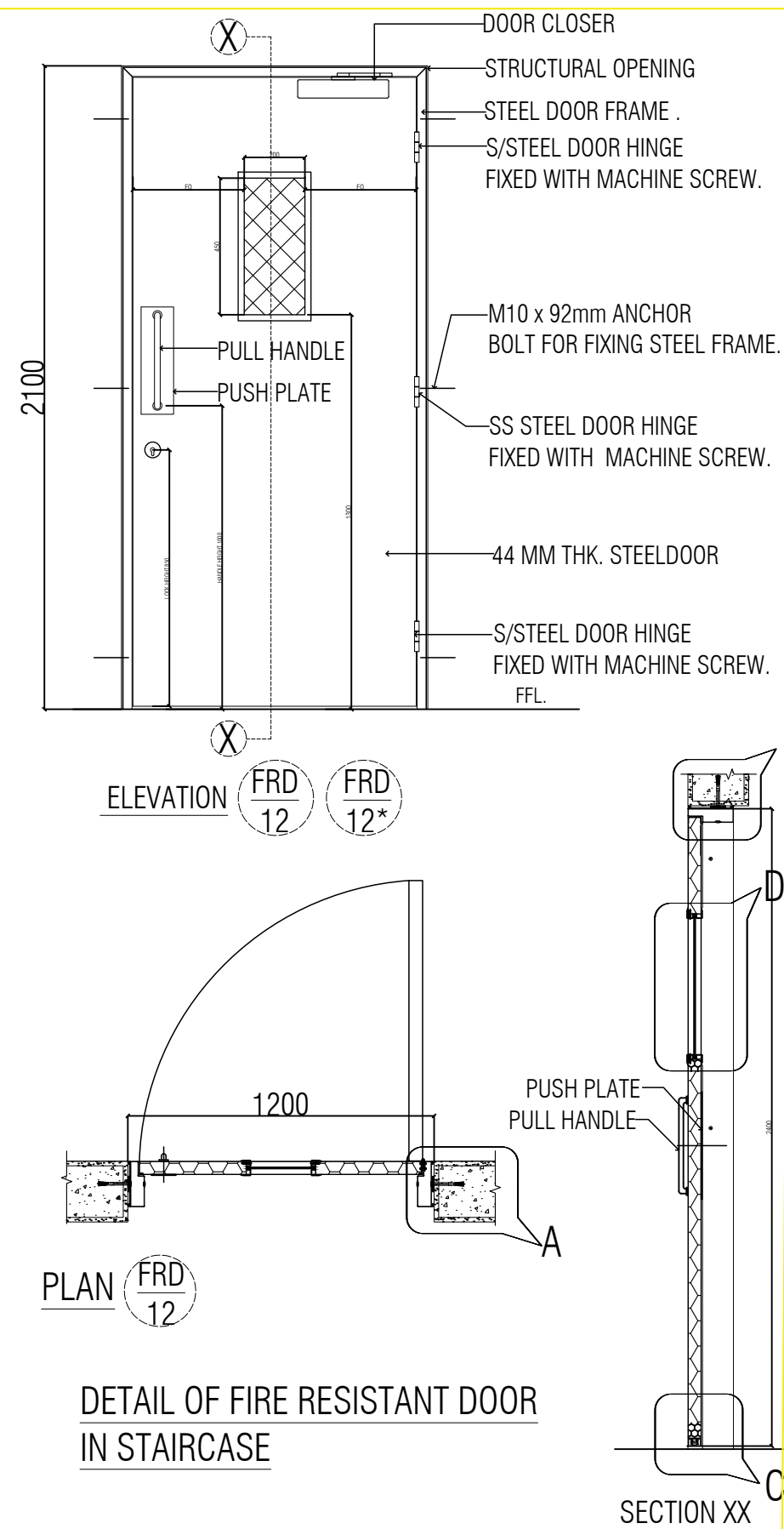
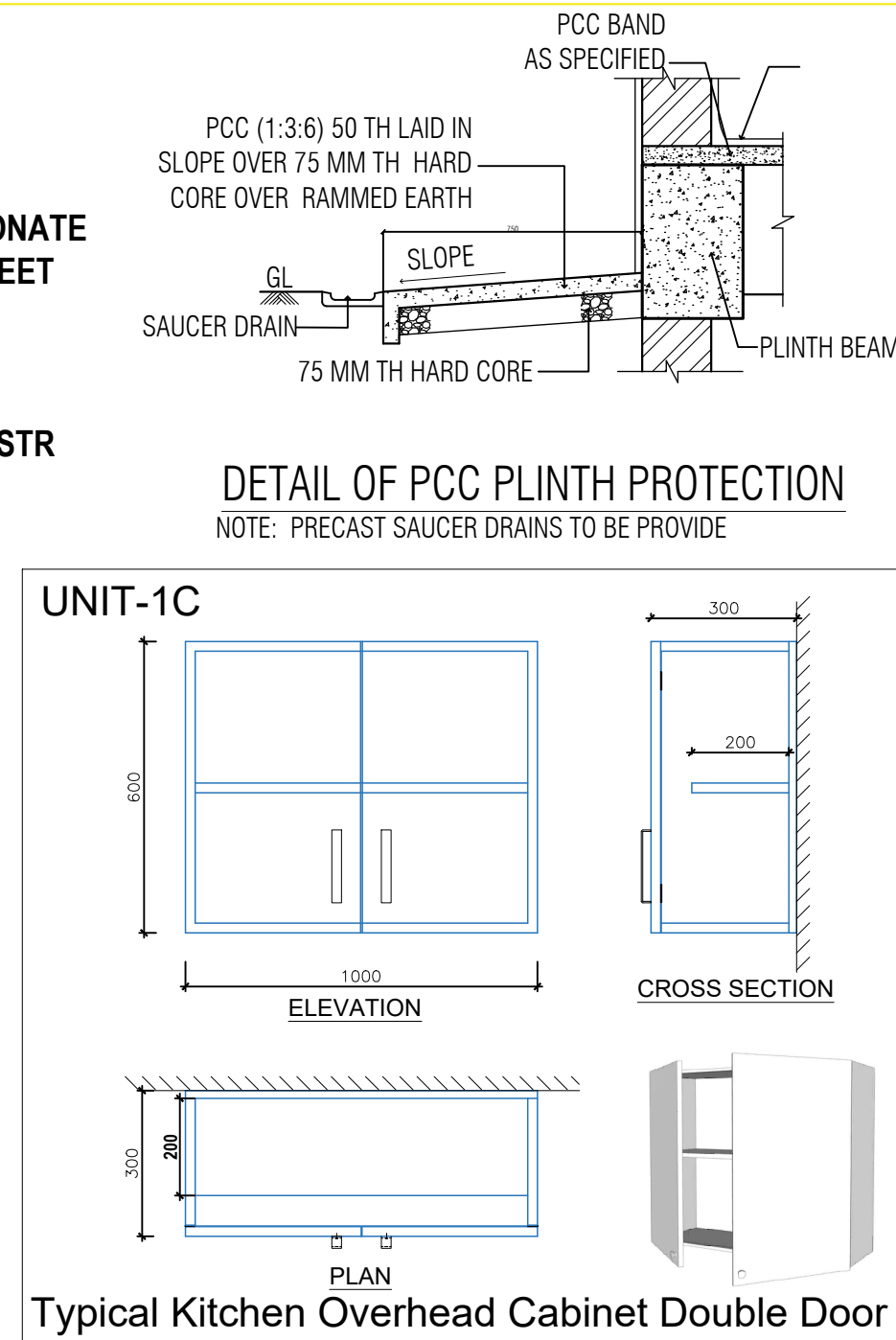
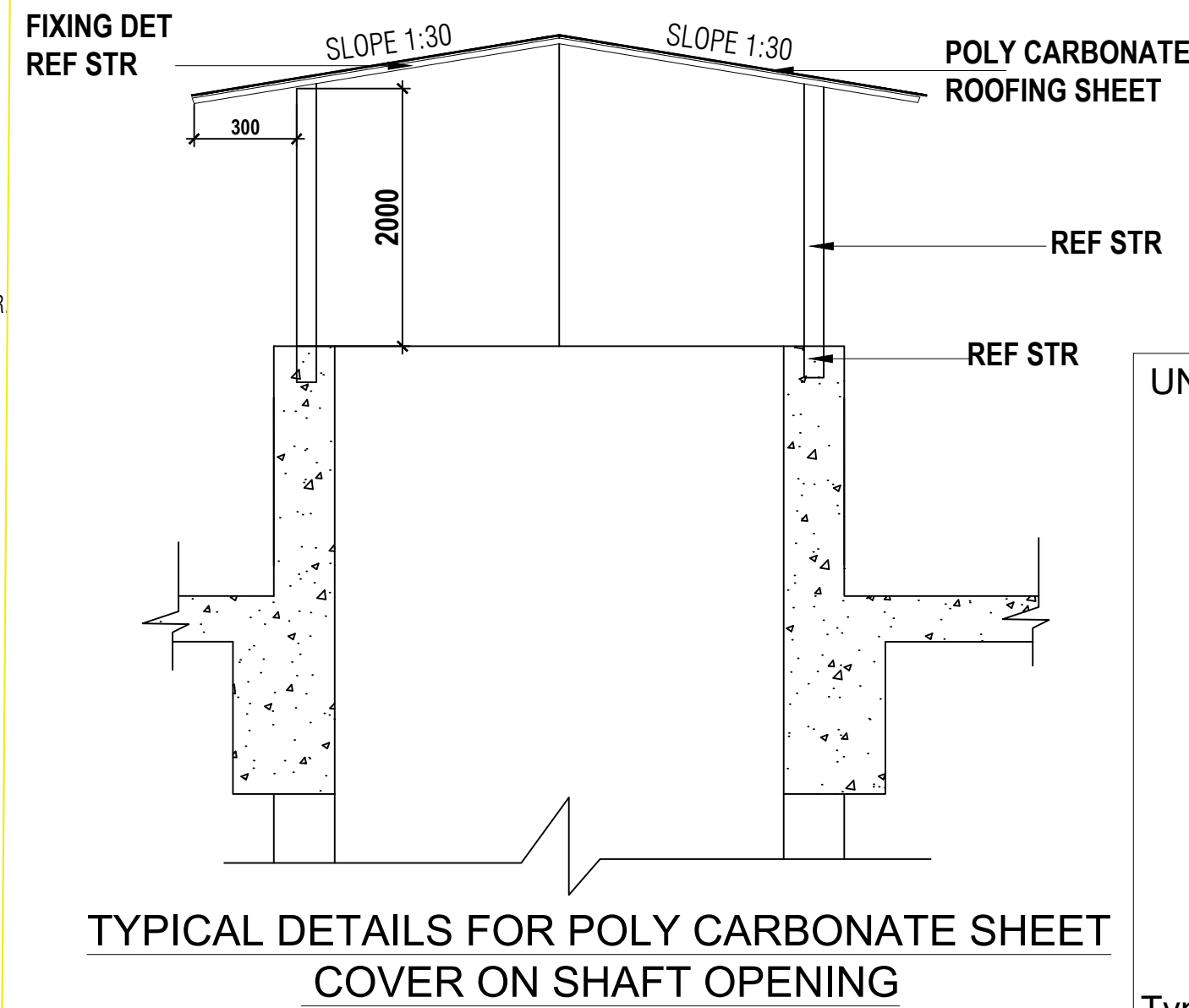
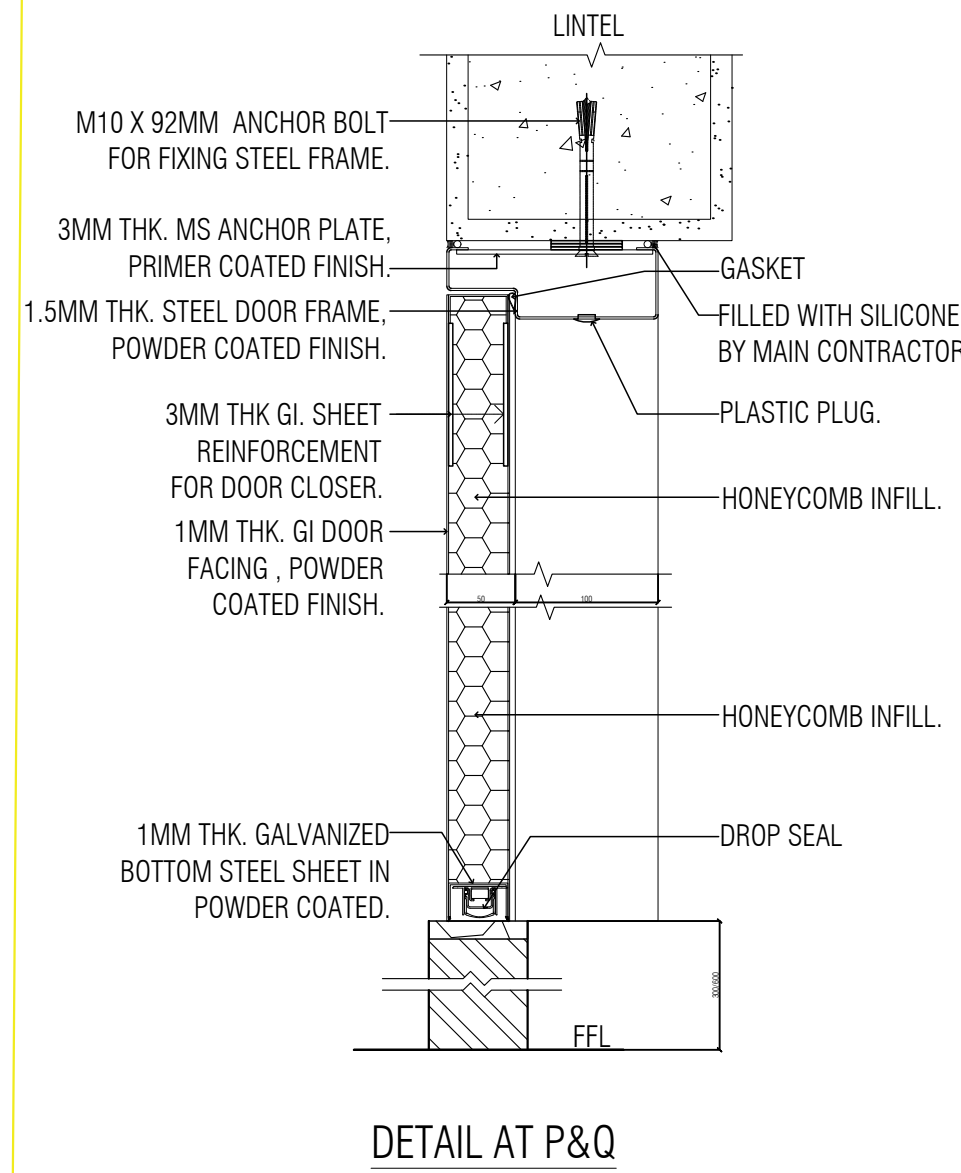
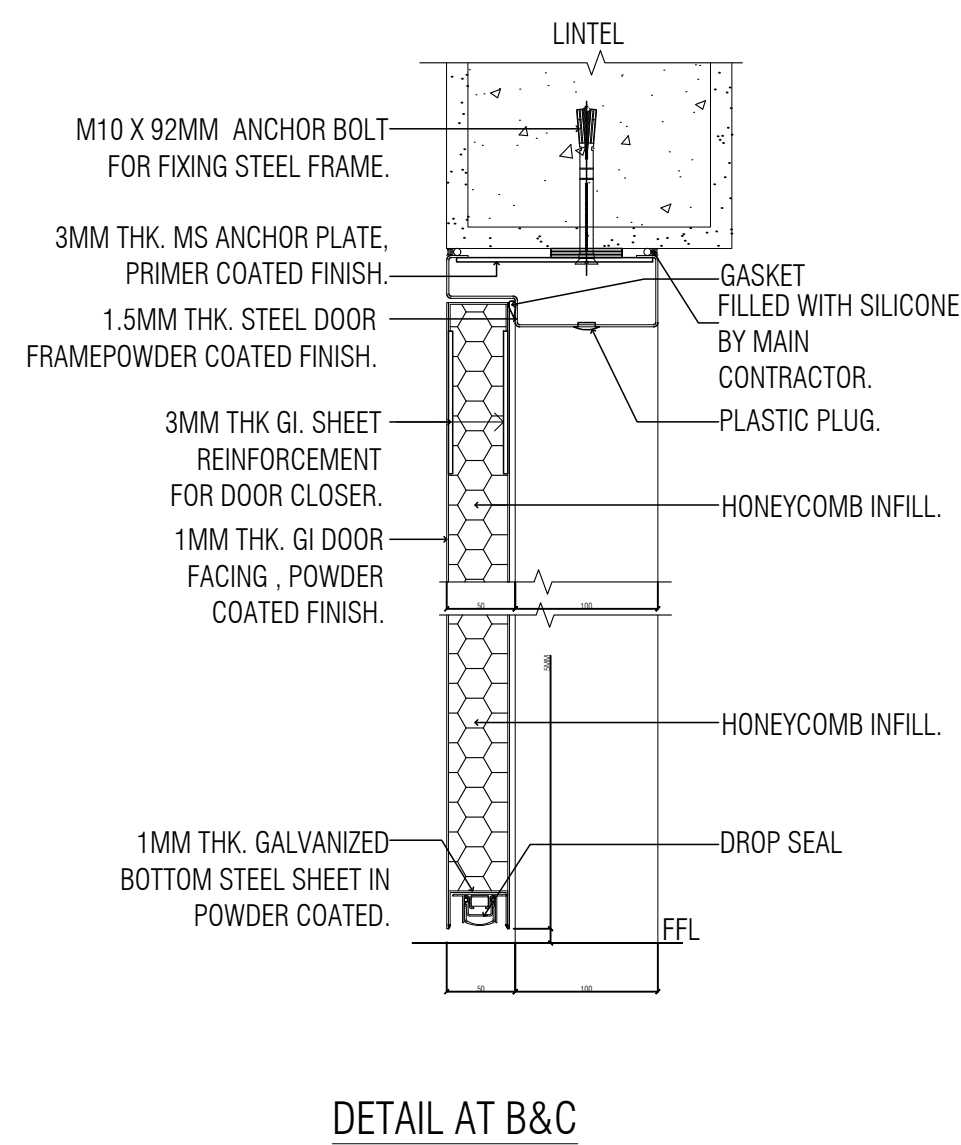
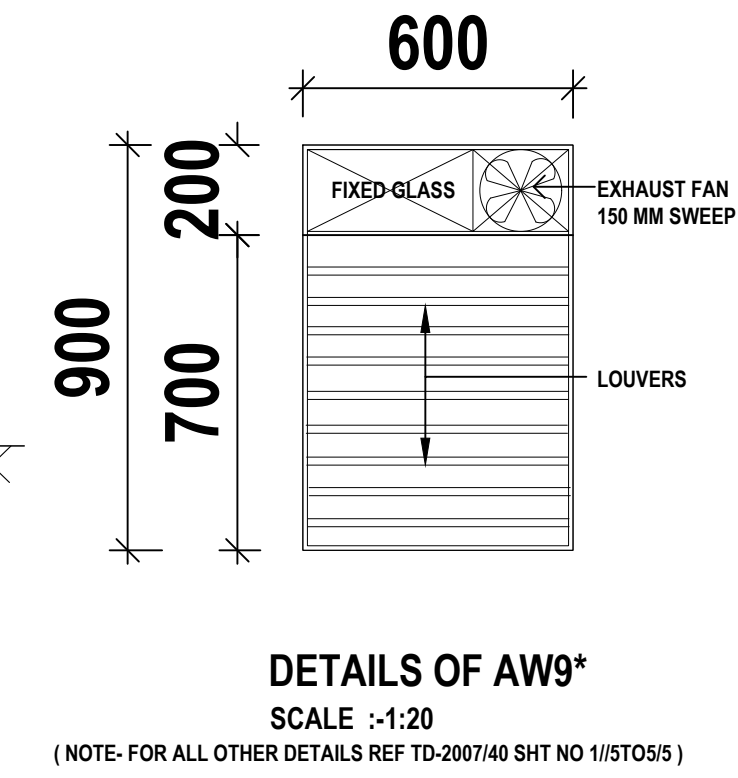
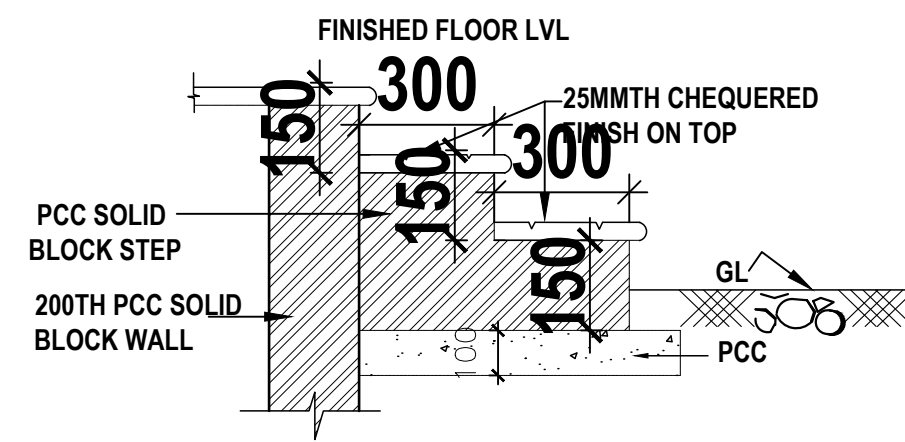
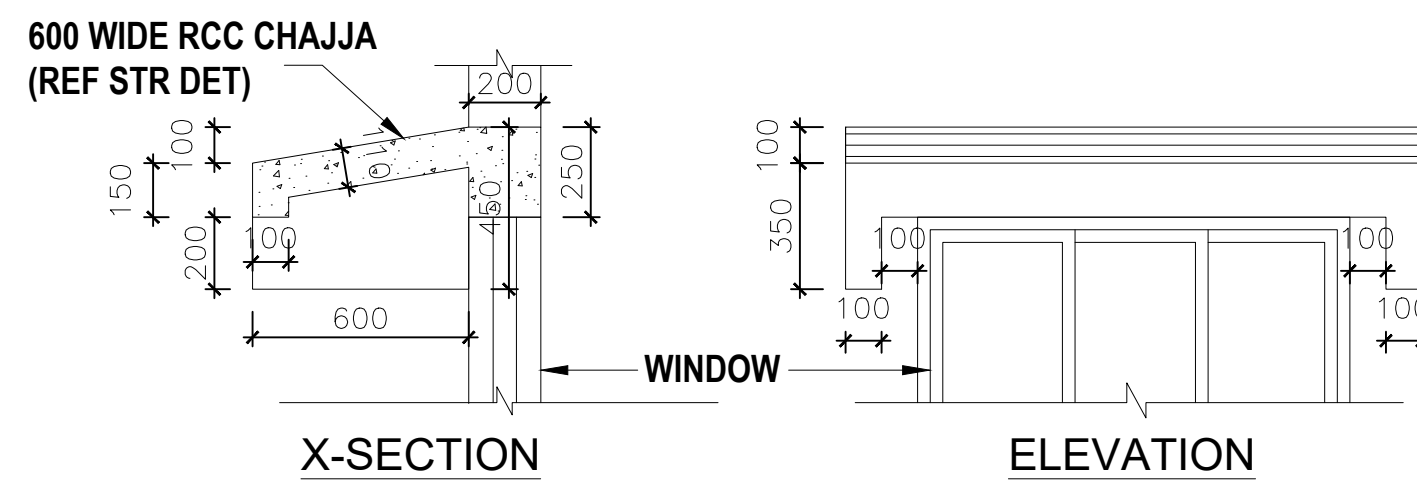
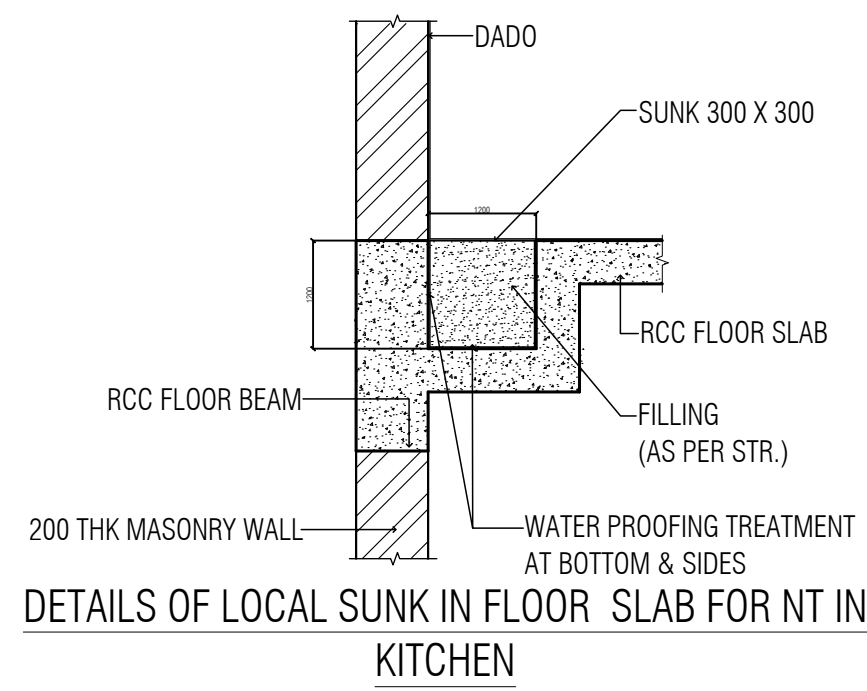
- RCC ROOF SLAB
- 25 MM Ø SS PIPE 3.1 MM THK.
- 50 MM Ø SS PIPE 3.1 MM THK.
- 50 MM Ø SS PIPE 3.1 MM THK WELDED TO 50 Ø SS VERTICAL PIPE @ 1500 C/C
- GL



ELEVATION

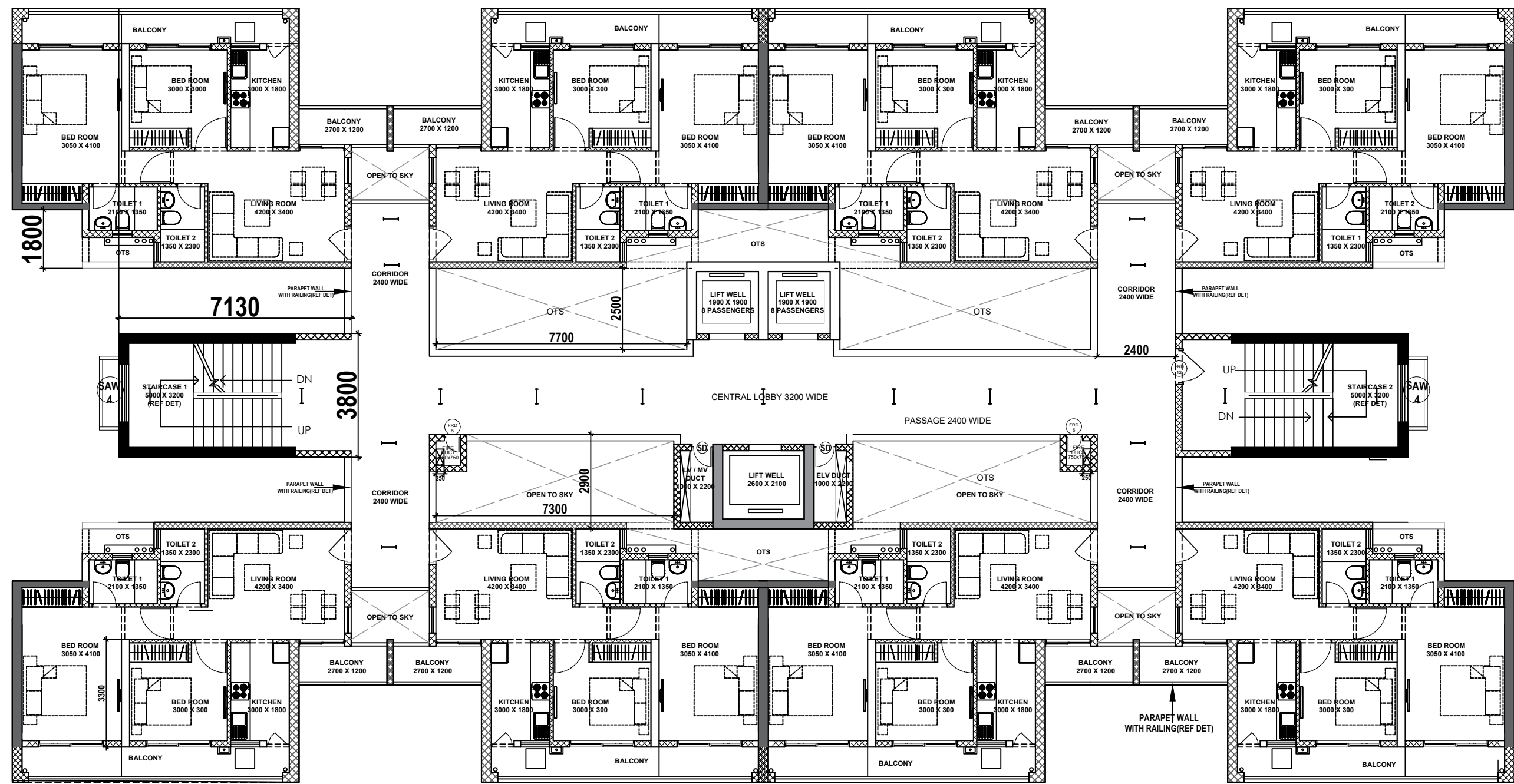
- 25 MM Ø SS PIPE 3.1 MM THK.
- 50 MM Ø SS PIPE 3.1 MM THK.
- 150MM Ø SS PLATE 10 MM THK FIXED WITH EXPANSION BOLT



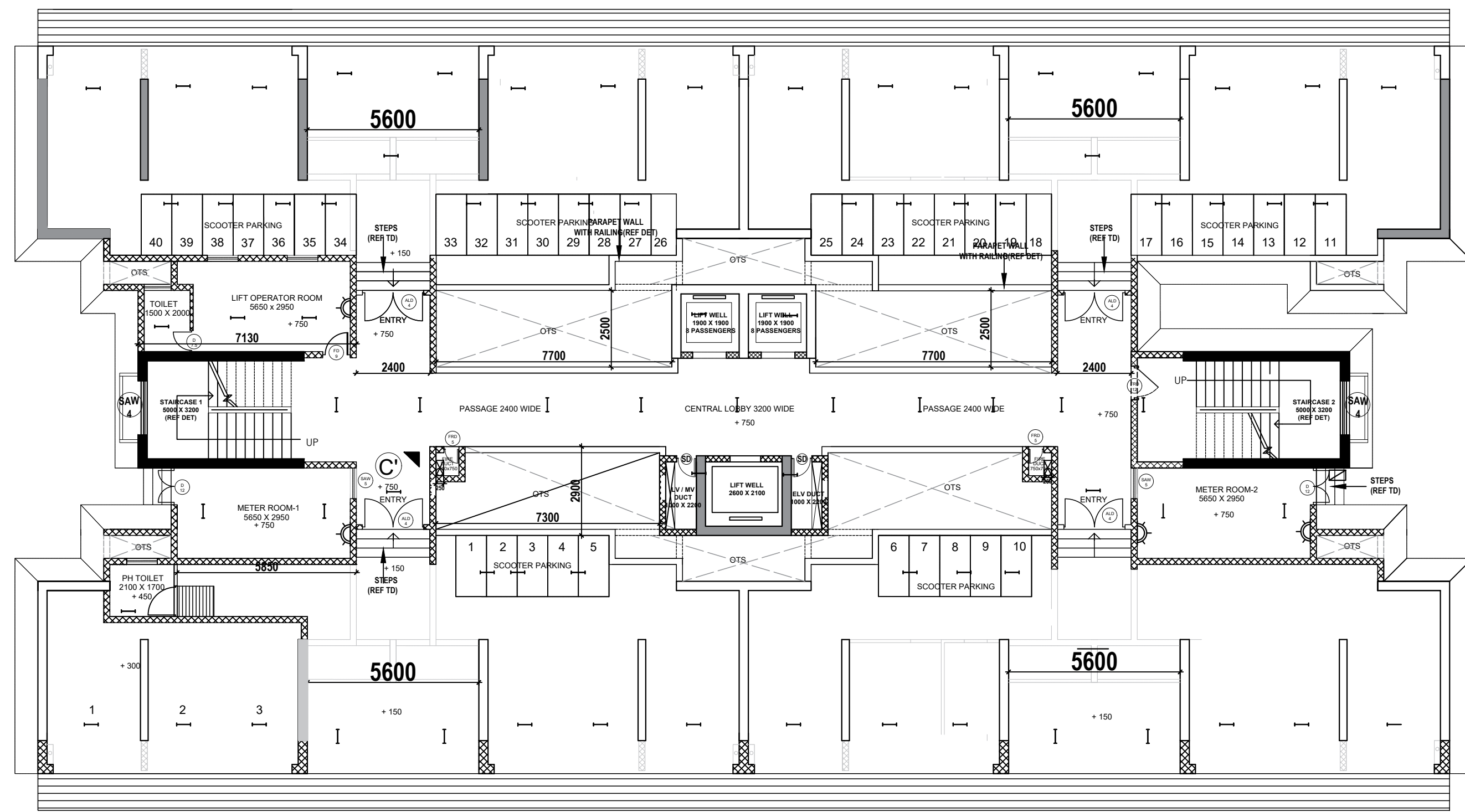
SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (Pos & BELOW) AT PORBANDAR (48 DUS)			
DETAILS -2			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	SUB DMM		<div>7</div> <div>12</div>
TCD	-		
CKD	-		
SCALE	AS SHOWN		
REF DRG NO: WD /2026 / 01			
 AAD (ARCH)		 DIRECTOR (ARCH) FOR CHIEF ENGINEER NAVY	



SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
DETAILS - 3			
DATE	12-05-2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	SUB DMM		8 12
TCD	-		
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD /2026 / 01	
 AAD (ARCH)		 DIRECTOR (ARCH) FOR CHIEF ENGINEER NAVY	



TYPICAL FLOOR PLAN (FIRST TO SIXTH FLOOR)

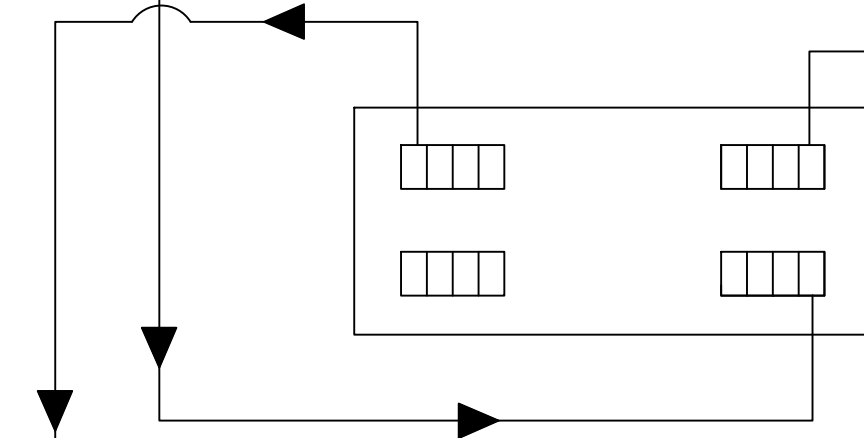


GROUND FLOOR PLAN

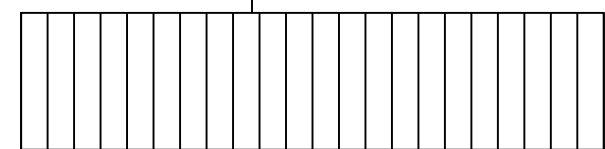
LEGENDS	
SYMBOL	DETAILS
	LED TUBE LIGHT 20 W
	15 AMP SOCKET
	DB

SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
E&M PLAN (GROUND FLOOR , TYPICAL FLOOR)			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	HAV BHAGAT		9
TCD	-		12
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD /2026 / 01	
AAD (E/M)		DIRECTOR (UTILITY) FOR CHIEF ENGINEER NAVY	

UTILITY PANEL
MCCP
63 A
4P

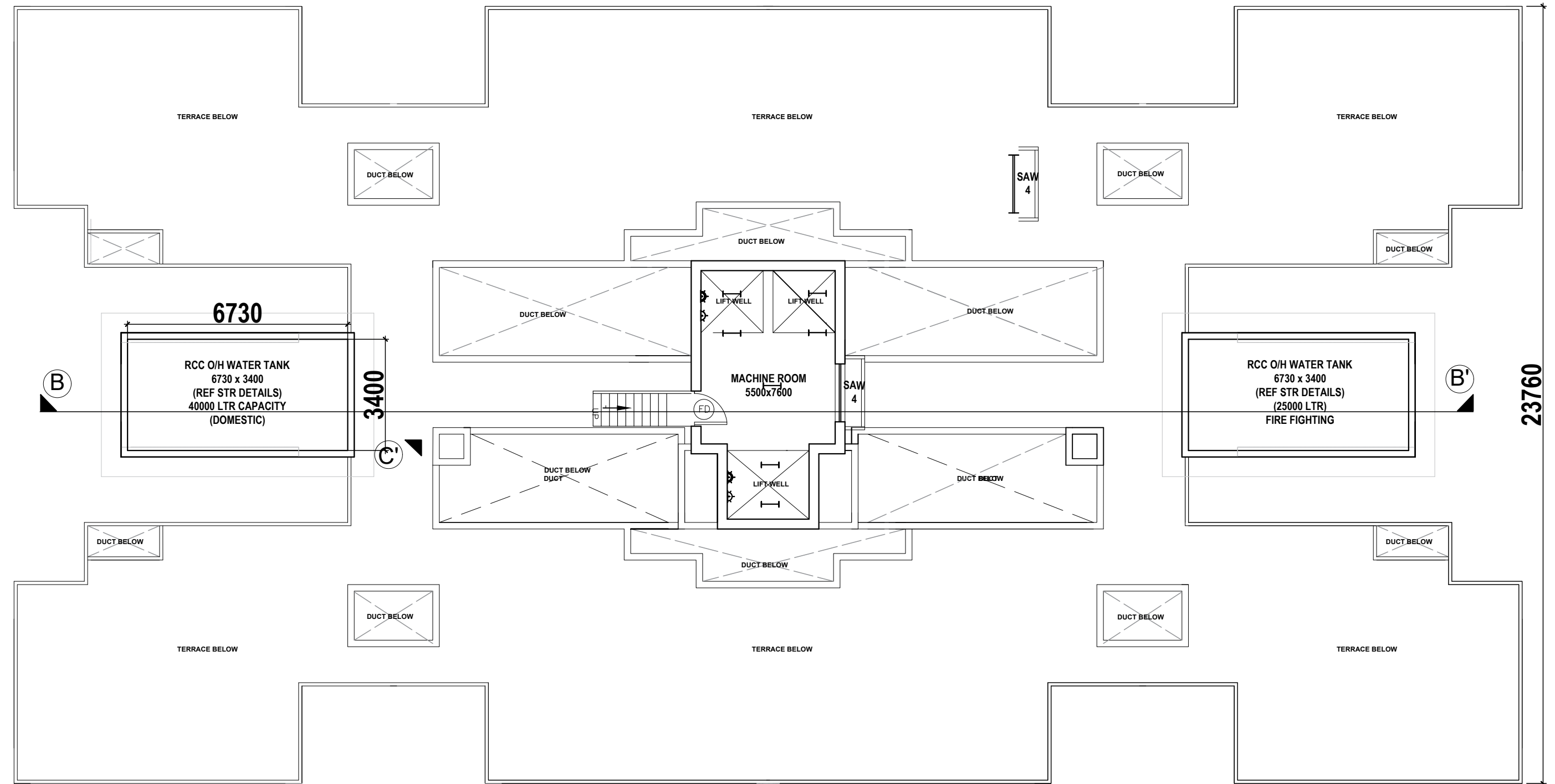


4W
TPN
DB IN
SUB STN

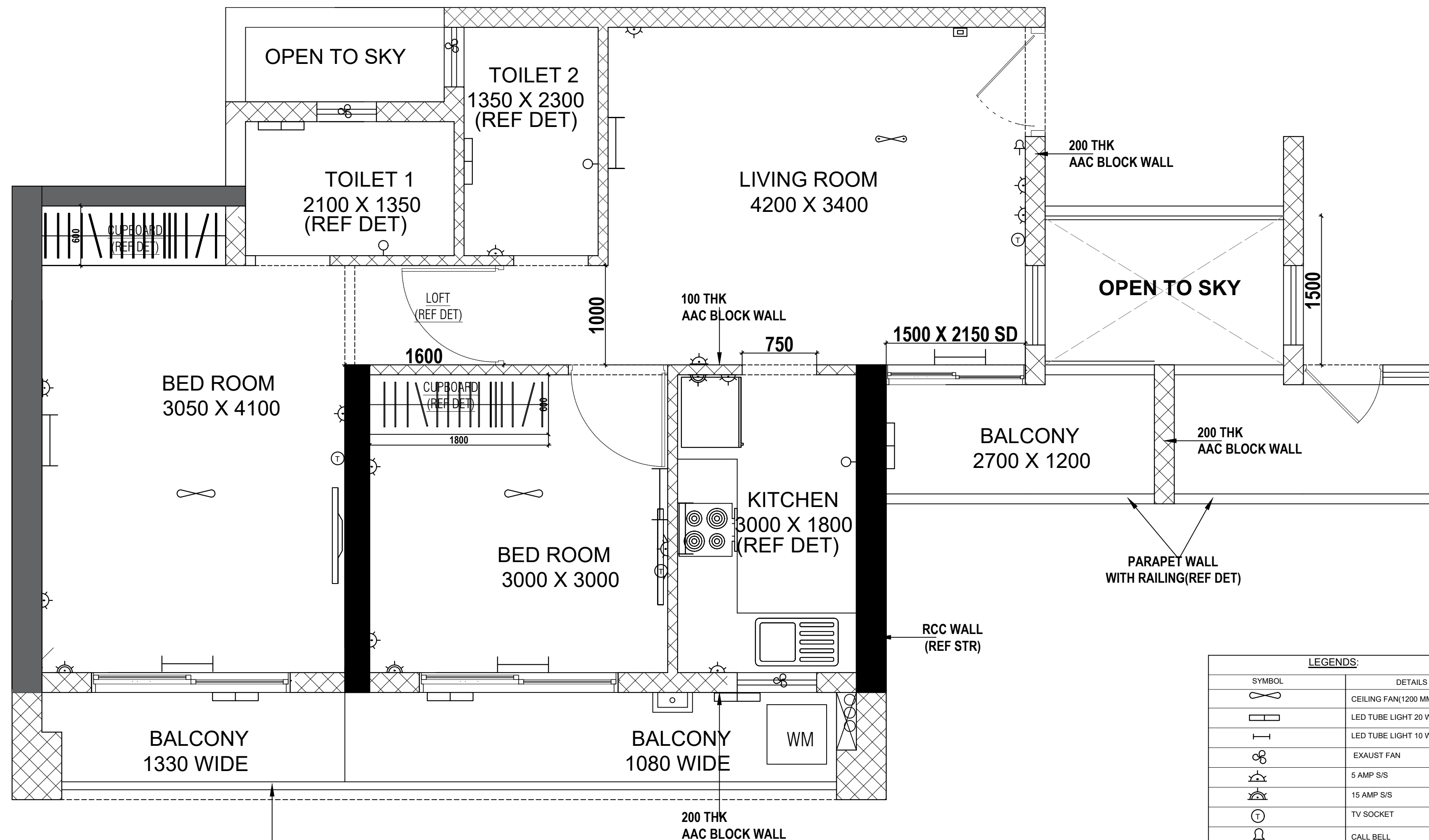


12 W SPN
DB FOR
GF

4W
SPN
DB ON
EACH FLOOR



PLAN AT MACHINE ROOM LEVEL



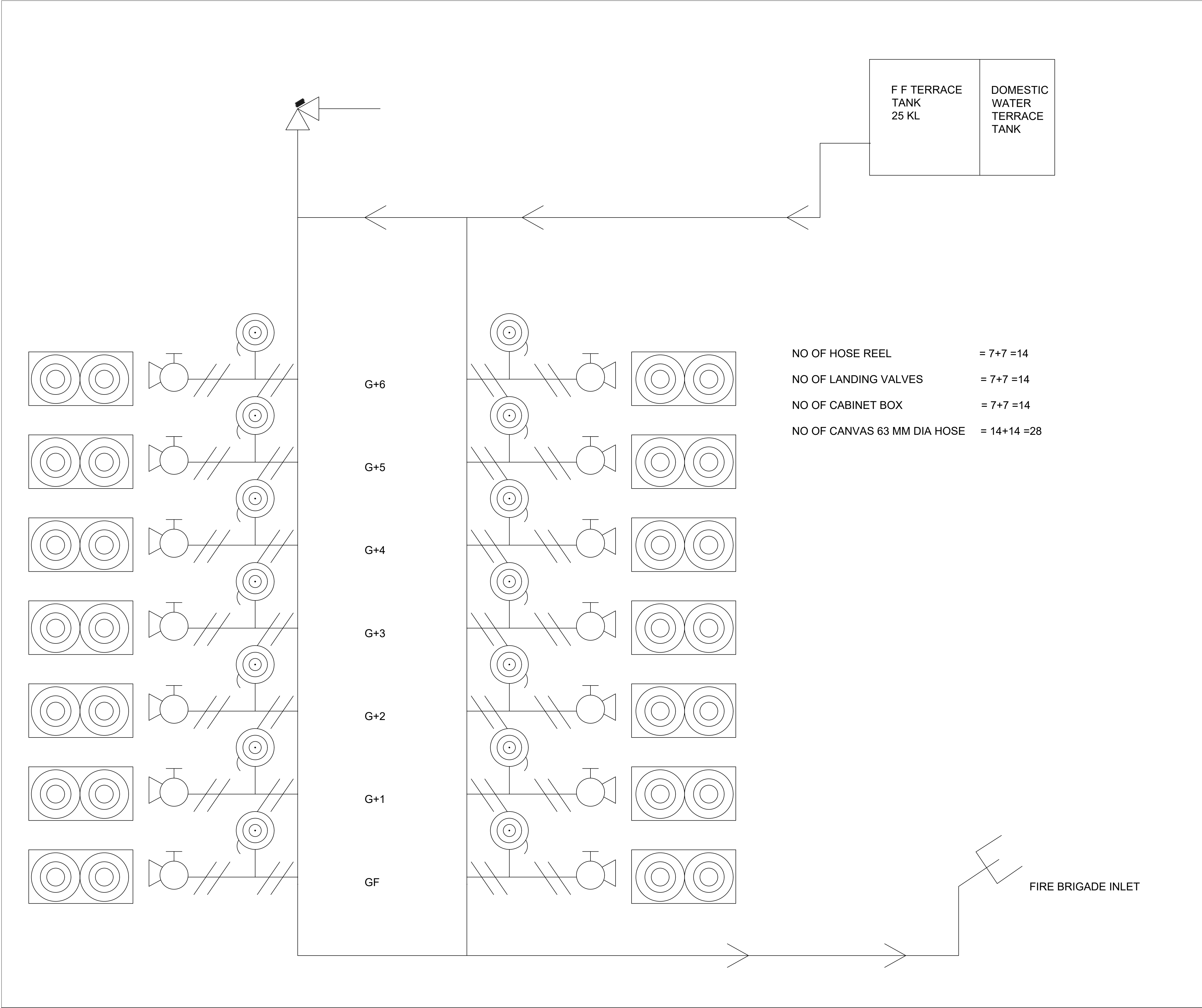
PARAPET WALL
WITH RAILING(REF DET)

DETAILS OF SINGLE DU




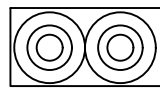
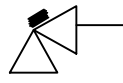

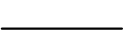
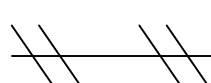
(SCALE 1:50)

LEGENDS	
SYMBOL	DETAILS
	CEILING FAN(1200 MM)
	LED TUBE LIGHT 20 W
	LED TUBE LIGHT 10 W
	EXHAUST FAN
	5 AMP S/S
	15 AMP S/S
	TV SOCKET
	CALL BELL
	LED BULB POINT
	CEILING FAN(1400 MM)
	DB

SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
E&M PLAN (SINGLE DU, MACHINE ROOM)			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	SUB DMM		10
TCD	-		12
CKD	-	REF DRG NO: WD /2026 / 01	
SCALE	AS SHOWN		
AAD (E/M)		DIRECTOR (UTILITY) FOR CHIEF ENGINEER NAVY	



NO OF HOSE REEL = 7+7 =14
NO OF LANDING VALVES = 7+7 =14
NO OF CABINET BOX = 7+7 =14
NO OF CANVAS 63 MM DIA HOSE = 14+14 =28

LEGEND			
SR No	SYMBOL	DESCRIPTION	
01		PRESSURE PUMP	
02		LANDING VALVE 63 MM	
03		HOSE REEL30 MTR	
04		CABINET BOX WITH HOSE PIPE 15 MTR	
05		AIR RELEASE VALVE	
06		BRIGAD INLET POINT	
07		100 MM DIA MS ERW PIPE LINE	
08		BRIGAD100 MM DIA MS ERW PIPE LINE INLET POINT	

SCHEDULE OF FINISHES

SR. NO.	DESCRIPTION	FLOORING	WALLS		CEILING	DADO	SKIRTING	ROOF	WINDOW CILL	SURFACE FINISHES				
			INT	EXT						ALL CEILING	ALL INT. SURFACE OF WALL	ALL EXT. SURFACE OF WALL	ALL STEEL SURFACE	ALL WOODEN SURFACE
			INCL ALL WARDROPS	INCL CHAJJA / FACIA / PARAPET WALL & SOFT										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
(I) GROUND FLOOR PLAN														
1	STEPS	SC-1	IP-2	EP-2	CP-3		SCR-1			T-2A	T-2	T-5	T-3	T-4
2	RAMP	* HS-1	IP-2	EP-2	CP-3		SK-9			T-5	T-5	T-5	T-3	T-4
3	PASSAGE	GF-2	IP-2	EP-2	CP-3		SK-2		WC-1	T-2A	T-2	T-5	T-3	T-4
4	CENTRAL LOBBY 3	GF-1	IP-2	EP-2	CP-3		SK-9			T-2A	T-2	T-5	T-3	T-4
5	METER ROOM 1 & 2	GF-2	IP-2	EP-2	CP-3		SK-4		WC-1	T-2A	T-2	T-5	T-3	T-4
6	LIFT OPERATOR ROOM	GF-2	IP-2	EP-2	CP-3		SK-4		WC-1	T-2A	T-2	T-5	T-3	T-4
7	KITCHEN	GF-6	IP-2	EP-2	CP-3	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
8	TOILET (LIFT OPERATOR ROOM)	GF-6	IP-2	EP-2	CP-3	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
9	STAIR CASE 1 & 2	SC-1	IP-2	EP-2	CP-3		SCR-1			T-5	T-5	T-5	T-3	T-4
10	CAR/SCOOTER PARKING	* HS-1	IP-2	EP-2	CP-3		SK-1			T-2A	T-2	T-5	T-3	T-4
11	ELECTRIC DUCT	GF-14	IP-2	EP-2	-		SK-2			T-2A	T-2	T-5	T-3	T-4
12	FIRE DUCT	GF-14	IP-2	EP-2	-		SK-2			T-2A	T-2	T-5	T-3	T-4
13	PH TOILET	GF-6	IP-2	EP-2	-	D-4				T-2A	T-2	T-5	T-3	T-4
14	LIFT WELL 1,2,3,4	* HS-1	IP-2	EP-2	-				WC-1	-	T-2	T-5	T-3	T-4
15	OTS	GF-14	IP-2	EP-2	-		SK-9			-	-	T-5	T-3	T-4
(II) TYPICAL FLOOR PLAN AT 1 ST FLOOR TO 6TH FLOOR														
1	STAIRCASE 1 & 2	SC-1	IP-2	EP-2	CP-3		SCR-1			T-2A	T-2	T-5	T-3	T-4
2	CORRIDOR	SCL-1	IP-2	EP-2	CP-3		SK-2			T-2A	T-2	T-5	T-3	T-4
3	ELECT DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
4	FIRE DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
5	LIFT WELL 1,2,3,4	-	IP-2	EP-2	CP-3		-			-	T-2	T-5	T-3	T-4
6	FIRE DUCT & DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
7	LIVING ROOM	FF-12	IP-2	EP-2	CP-3		SK-10		WC-1	T-2A	T-2	T-5	T-3	T-4
8	BED ROOMS	FF-12	IP-2	EP-2	CP-3		SK-10		WC-1	T-2A	T-2	T-5	T-3	T-4
9	BALCONY	FF-12	IP-2	EP-2	CP-3		SK-10		WC-1	T-2A	T-2	T-5	T-3	T-4
10	KITCHEN	FF-6	IP-2	EP-2	CP-3	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
11	TOILET 1	FF-6	IP-2	EP-2	CP-3	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
12	TOILET 2	FF-6	IP-2	EP-2	CP-3	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
13	OTS	-	IP-2	EP-2	-		-			-	-	T-5	T-3	T-4
14	CENTRAL LOBBY	FF-1	IP-2	EP-2	CP-3		SK-1			T-2A	T-2	T-5	T-3	T-4
15	PASSAGE	SCL-1	IP-2	EP-2	CP-3		SK-2			T-2A	T-2	T-5	T-3	T-4
(II) TYPICAL FLOOR PLAN AT (6TH FLOOR ONLY)														
1	STAIRCASE 1 & 2	SC-1	IP-2	EP-2	CP-3		SCR-1			T-2A	T-2	T-5	T-3	T-4
2	CORRIDOR	SCL-1	IP-2	EP-2	CP-3		SK-2			T-2A	T-2	T-5	T-3	T-4
3	ELECT DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
4	FIRE DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
5	LIFT WELL 1,2,3,4	-	IP-2	EP-2	CP-3		-			-	T-2	T-5	T-3	T-4
6	FIRE DUCT & DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
7	LIVING ROOM	FF-12	IP-2	EP-2	CP-3 + CL 1		SK-10		WC-1	T-2A	T-2	T-5	T-3	T-4
8	BED ROOMS	FF-12	IP-2	EP-2	CP-3 + CL 1		SK-10		WC-1	T-2A	T-2	T-5	T-3	T-4
9	BALCONY	FF-12	IP-2	EP-2	CP-3 + CL 1		SK-10		WC-1	T-2A	T-2	T-5	T-3	T-4
10	KITCHEN	FF-6	IP-2	EP-2	CP-3 + CL 1	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
11	TOILET 1	FF-6	IP-2	EP-2	CP-3 + CL 1	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
12	TOILET 2	FF-6	IP-2	EP-2	CP-3 + CL 1	D-4			WC-1	T-2A	T-2	T-5	T-3	T-4
13	OTS	-	IP-2	EP-2	-		-			-	-	T-5	T-3	T-4
14	CENTRAL LOBBY	FF-1	IP-2	EP-2	CP-3		SK-1			T-2A	T-2	T-5	T-3	T-4
15	PASSAGE	SCL-1	IP-2	EP-2	CP-3		SK-2			T-2A	T-2	T-5	T-3	T-4
(V) TERRACE PLAN														
1	STAIRCASE 1& 2	SC-1	IP-2	EP-2	CP-3		SCR-1	WPT-1		T-2A	T-2	T-5	T-3	T-4
2	ELECT DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
3	FIRE DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
4	TERRACE	-	-	EP-2	-		-	WPT-3		T-2A	T-2	T-5	T-3	T-4
5	OTS	-	IP-2	EP-2	-		-			-	-	T-5	T-3	T-4
6	DUCT	-	IP-2	EP-2	-		-			T-2A	T-2	T-5	T-3	T-4
(VI) MACHINE ROOM & WATER TANK PLAN														
1	MACHINE ROOM	SCL-1	IP-2	EP-2	CP-3		SK-2	WPT-1		T-2A	T-2	T-5	T-3	T-4
2	DOMESTIC WATER TANK	-	IP-2	EP-2	-		-	WPT-1		TT	TT	T-5	T-3	
3	FIRE FIGHTING WATER TANK	-	IP-2	EP-2	-		-	WPT-1		TT	TT	T-5	T-3	

SPECIAL NOTE:

EP-3 TO BE PROVIDED FOR ALL EXTERNAL SURFACES OF RCC TOE WALL, RCC RETAINING WALL

HS-1 PCC WITH BROOM FINISH ON TOP

NOTES:



- CONTRACTOR TO CHECK & VERIFY ALL FINISHES AND SURFACES WITH SPECIFICATIONS GIVEN IN THE CONTRACT.
- ALL TOP OF RCC SHELF SHALL BE FINISHED WITH 12 MM TH RENDERING IN CM (1:3) WITH SMOOTH FINISH.
- ELECTRIC METER BOX/MAIN SWITCH BOARD SHALL BE TREATED WITH T-3.
- (a) DADO UP TO LINTEL LEVEL IN BATH ,TOILET & KITCHEN INCL COOKING PLATFORM
(b) DADO UP TO LINTEL LEVEL
- SUNK IN FLOOR :
(i) 0.00 FOR ALL ROOMS.
(ii) -10 MM FOR WC , BATH , KITCHEN AND BALCONY.
(iii) -5 MM FOR CORRIDOR.
(iv) THE ARCHITRAVE AROUND LIFT OPENING SHALL BE PROVIDED WITH GRANITE, COMPLETE JAMBS & 300 MM AROUND OPENING.
- FOR RCC OHT - REF ALL DETAILS AS PER STRUCTURAL DRGS.

MISC NOTES:-

- THE PLASTER OF CB / WARDROBE SHALL BE AS PER THE PLASTER OF RESPECTIVE ROOMS.
- PCC STEPS IN LINE WITH PARKING SHALL BE PROVIDED WITH SC-1 & SCR-1.SC-1 SHALL BE FOR TREADS SCR-1 FOR RISERS SCL-1 FOR LANDING OF STAIRCASE FLOOR FINISH BELOW STAIRS SHALL BE OFGF-2 ** & SKIRTING SK-2 IN STILT FLOOR.
- THIS DRGS SHALL BE READ IN CONJUNCTION TO TD / 2024 / 01, SHEET NO. 1R1.
- HS-6 10MM THICK,400X400 SIZE ENDURA/ PARKING TILES AS SPECIFIED OVER 20 MM THICK CEMENT SCREED 1:4, LAID AND JONTED WITH GREY CEMENT SLURRY WITH PIGMENT TO MATCH THE SHADE OF THE GRANITE INCLUDING RUBBING POLISHING COMPLETE OVER 75 MM THICK PCC M-7.5 GRADE USING 40 MM GRADED AGGREGATE SUB BASE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED.
- GF-19:100 MM TH M50 GRADE,MACHINE PRESSED PRECAST CONCRETE INTERLOCKING PAVER BLOCK ANY SHAPE AND SIZE CONFIRMING TO IS 15658-2006 OVER 50 MM THICK SCREED IN CM 1:4 OVER 100MM HICK PCC 1:5:10 SUB BASE TYPE E-2 OVER COMPACTED APPROVED EARTH FILLING.

GEN NOTES:-

- DETAIL SPECIFICATIO SHALL BE FOLLOWED AS GIVEN IN PARTICULAR SPECIFICATION OF TENDER / CA AS PER TD & DETAIL DRGS.
- COLOUR SCHEME OF THE BLDGS SHALL BE APPROVED BY GE.
- FINISHES OF ANY UNNAMED SPACE / ROOM SHALL BE SAME AS THE ADJACENT SPACE / ROOM UNLESS SPECIFIED.
- WHITE WASH / COLOUR WASH / DISTEMBER / EMULSION PAINT SHALL BE APPLIED BY SMART PERIODICAL METHOD ALL AS SPECIFIED.
- UNIFORM SHED KOTA STONE FLOORING SHALL BE PROVIDED . IF NOT AVAILABLE, SAME SHALL BE SEGREGATED AND UNIFORM SHED MAY BE PROVIDED IN DIFFERENT ROOMS / LOCATIONS / BLDGS.
- COLOUR / SHADE OF TILES SHALL BE APPROVED BY GE
- ALL ALUMINIUM WINDOWS AND SLIDING DOORS ARE POWDER COATED, COLOUR OF COATING SHALL BE APPROVED BY GE

SL NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
SCHEDULE OF FINISHES			
DATE	12 MAY 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	SUB DMM		12
TCD	-		12
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD /2026 / 01	
 AAD (PLG)		 DIRECTOR (PLG) FOR CHIEF ENGINEER NAVY	

- 1) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OF ITEMS AND DBR.
- 2) THESE GENERAL NOTES SHALL BE APPLICABLE TO ALL DRAWINGS THROUGHOUT THE PROJECT.
- 3) ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METER UNLESS NOTED OTHERWISE.
- 4) ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS & ANY DISCREPANCY SHALL BE BROUGHT TO OUR NOTICE BEFORE EXECUTION/ DESIGN.
- 5) NO DIMENSIONS SHALL BE SCALED FROM STRUCTURAL DRAWINGS, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. ANY MISSING DIMENSIONS/DETAILS SHALL BE BROUGHT TO OUR NOTICE BEFORE EXECUTION. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE EXECUTION OF THE WORK
- 6) ALL PLAIN AND REINFORCED CONCRETE WORK SHALL CONFORM TO PROVISIONS OF IS: 456-2000.
- 7) BACK FILLING AROUND FOUNDATION TRENCHES AND PLINTH SHALL BE DONE WITH GOOD YELLOW SOIL HAVING NON-SWELLING & NON-SILTING CHARACTERISTIC, PROPERLY WATERED & COMPACTED IN LAYER OF A THICKNESS NOT MORE THAN 200MM DEPTH.
- 8) ALL THE MATERIALS USED IN CONSTRUCTION SUCH AS CEMENT, MILD / TMT / HYSD STEEL, COARSE AGGREGATE (KAPACHI), FINE AGGREGATE (SAND), STRUCTURAL STEEL SECTIONS, BRICKS AAC BLOCK ETC. SHALL BE OF GOOD QUALITY & CONFORMING TO RELEVANT INDIAN STANDARD CODES. ALL NECESSARY TESTING OF MATERIAL SHALL BE DONE BEFORE USING THE MATERIAL FOR EXECUTION.
- 9) ALL RCC WORK SHALL BE DONE WITH ORDINARY PORTLAND CEMENT OF GRADE 43/53 IN ACCORDANCE WITH BIS 8112-2013. USE OF PPC OF REQUIRED STRENGTH (AT LEAST EQUAL TO OPC GRADE 43) IN CONFORMITY TO BIS 1489 IS ALSO PERMITTED.
- 10) THE SHUTTERING SHALL BE REMOVED AS FOLLOWS AFTER CASTING OF CONCRETE:

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 2) SPANNING OVER 4.5M	7 DAYS	10 DAYS
		14 DAYS	14 DAYS
iv)	PROPS TO BEAMS AND ARCHES : 1) SPANNING UP TO 6M 2) SPANNING OVER 6M	14 DAYS	14 DAYS
		21 DAYS	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.
- 11) ALL STRUCTURAL REINFORCED CONCRETE WORK IN CONVENTIONAL FORM WORK SHALL BE WITH DESIGN MIX CONCRETE OF MIN M35 GRADE VARIOUS GRADES OF CONCRETE MAY BE SPECIFIED AS PER DESIGN'S CHOICE WHICH SHALL BE SHOWN SUITABLY IN STRUCTURAL DRGS. PROPER MIX DESIGN SHALL BE DONE AS PER IS :10262-2009 TO ACHIEVE PROPER CONCRETE GRADE. VIBRATORS SHALL BE USED WHILE CONCRETE PLACEMENT. HOWEVER FOR SYSTEM ALUMINIUM FORM-WORK FOR RCC WORK IN TOWER PORTION, SELF COMPACTING CONCRETE SHALL BE USED ALL AS SPECIFIED.
- 12) THE DESIGN MIX SHALL BE DESIGNED BY CONCRETE LABORATORIES OF REPUTED INSTITUTES SUCH AS IIT. THE MIX DESIGN SHALL SPELL OUT WORKABILITY FOR DIFFERENT PLACING CONDITIONS, CORRESPONDING W/C RATIO AND MIX PROPORTIONS. SLUMP FLOW TEST ON FRESH CONCRETE SHALL BE DONE AS PER IS: 1199. ALSO REFER NOTE 53.
- 13) CONCRETE SAMPLE CUBES SHALL BE TAKEN FOR ALL PARTS OF BUILDINGS COMPONENTS & STRENGTH VERIFIED.
- 14) REINFORCEMENT FOR SLAB SHALL BE BENT UP AND FIXED AS SHOWN.

EQ

- 15) 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.

- 16) LAP LENGTH FOR VARIOUS BARS SHALL BE 50 TIMES THE BAR DIAMETER FOR ALL MEMBERS. WHERE MECHANICAL COUPLERS ARE NOT USED MECHANICAL COUPLERS SHALL BE USED FOR BAR DIA 16MM AND MORE.

- 17) PROPER COVER SHALL BE MAINTAINED FOR ALL R.C.C MEMBERS BY ATTACHING SUITABLE COVER BLOCKS TO REINFORCEMENT BARS. THE NOMINAL COVERS FOR PROTECTION OF MAIN REINFORCEMENT FOR DIFFERENT MEMBERS SHALL BE AS FOLLOWS:

- 18) PROPER COVER SHALL BE MAINTAINED FOR ALL R.C.C MEMBERS BY ATTACHING SUITABLE COVER BLOCKS TO REINFORCEMENT BARS. THE NOMINAL COVERS FOR PROTECTION OF MAIN REINFORCEMENT FOR DIFFERENT MEMBERS SHALL BE AS FOLLOWS:

a) RAFT	50MM
b) FOOTING & BASEMENT SLAB	50MM
c) COLUMN & SHEAR WALL	45MM
d) BEAM	45MM
e) SLAB & STAIRS	30MM
f) LINTEL	30MM
g) CHAJJAS, FINS, RCC WALL UP TO 200MM THK.	30MM

NOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/STIRRUPS. COVER BLOCKS FOR ALL RCC MEMBERS SUCH AS FOUNDATION, BEAM, SLAB ETC SHALL BE FACTORY MADE FIBER REINFORCED CONCRETE BLOCKS OF STRENGTH NOT LESS THAN 50 MPa OR POLYPROPYLENE COVER BLOCKS. FOR COLUMN REINFORCEMENT, COVER BLOCKS SHALL BE PVC RING TYPE/POLYPROPYLENE.

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

- 20) UNDER NO CIRCUMSTANCES, CONCRETING BE DONE UNLESS REINFORCEMENT IS CHECKED, APPROVED & CERTIFIED BY GARRISON ENGINEER. PHOTOGRAPHIC EVIDENCE OF SAME SHALL BE MAINTAINED.

- 21) NO LABOUR/MATERIAL MOVEMENT SHALL BE ALLOWED ON BARE REINFORCEMENT OF THE SLAB DURING CONCRETING. READYMADE STEEL WALK BOARD SHALL BE USED FOR THIS PURPOSE.

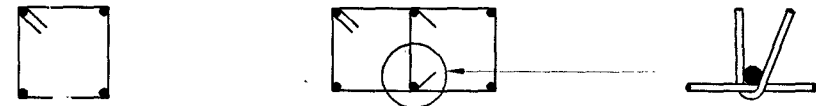
- 23) THE BEAM DEPTHS MENTIONED IN OUR DRAWING INCLUDE SLAB THICKNESS WHEREVER APPLICABLE.

- 24) ALL REINFORCEMENT FOR RCC SHALL BE THERMO MECHANICAL TREATED (TMT) OF GRADE Fe-500D/ 550D CRS WITH PERCENTAGE ELONGATION MORE THAN 18% AND MEETING THE OTHER REQUIREMENT OF IS:1786. NO MIXING OF TMT STEEL OF DIFFERENT MAKE SHALL BE PERMITTED IN SAME MEMBER / ELEMENT.

- 25) REINFORCEMENT SHALL BE BENT AND FIXED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN IS: 2502.

- 26) THE STIRRUPS, TIES AND LINKS IN ALL BEAMS AND COLUMNS SHALL BE PROVIDED AS FOLLOWS:
BENT LENGTH $b=8$ TIMES D OR 75 MM (WHICHEVER IS LARGER) WHERE D = BAR DIA OF STIRRUPS, TIES & LINKS

- 27) THE LAP LENGTH OF BARS IN A BEAM SHALL BE EQUAL TO BAR DEVELOPMENT LENGTH IN TENSION WHICH SHOULD BE AT THE POINT OF CONTRAFLEXURE WHICH IS AT ABOUT 0.25 L FROM SUPPORT. THE SPACING OF STIRRUPS OVER THE ENTIRE SPLICE LENGTH SHALL BE EQUAL TO 100 MM CENTER TO CENTER IRRESPECTIVE OF WHATEVER IS SHOWN IN DRAWING.



- 28) COUPLER (CLASS L) FOR MECHANICAL SPLICES OF BAR HAVING DIAMETER 20MM AND GREATER SHALL BE USED IN FOUNDATION, COLUMN / SHEAR WALL CONFORMING TO IS 16172: 2014 OF MAKE (LEVIAT, DEXTRA, TATA STEEL OR LENTON). TESTING CERTIFICATE OF TENSILE STRENGTH OF COUPLERS IN ACCORDANCE TO STANDARD WILL BE PROVIDED BY VENDOR OF ITEM.

NOTES :-

- 1) THIS DRAWING IS FOR GUIDELINES PURPOSE ONLY AS IT MAY VARY AS PER SITE CONDITIONS. RELEVANT STRUCTURAL CODES MAY BE FOLLOWED.

SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs).

TYPICAL DRAWING

STRUCTURAL GENERAL NOTES AND TYPICAL
STRUCTURAL DETAILS

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranjit Singh		1
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD /S/2026 / 01	

(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRADEEP KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY

- 29) NO COUPLER FOR SPLICING OF BARS IN COLUMN MAIN STEEL SHALL BE PROVIDED AT TOP ONE FOURTH HEIGHT AND BOTTOM ONE FOURTH HEIGHT OF THE COLUMN. COUPLER SHALL BE PROVIDED ONLY IN MIDDLE ONE HALF HEIGHT OF COLUMN IN SUCH A WAY THAT MAXIMUM 50% OF THE MAIN STEEL BARS ARE SPLICED AT A PARTICULAR LEVEL.
- 30) AT JUNCTIONS OF BEAMS AND COLUMNS, ALL TIES / STIRRUPS IN BOTH DIRECTIONS SHALL BE PROVIDED AND CONCRETE GRADE TO BE ADOPTED, SHALL BE HIGHER OF THE TWO, IF DIFFERENT GRADES ARE SPECIFIED.
- 31) SAND USED FOR CONSTRUCTION SHALL BE WELL GRADED (COARSE TYPE) AND WITHOUT SILT CONTENT. KAPACHI (STONE CHIPS) USED SHALL BE WITH SHARP EDGES, WELL GRADED, BLACK IN COLOR AND MAXIMUM SIZE 20MM UNLESS NOTED OTHERWISE.
- 32) IN CASE OF VARIATION IN QUALITY OF MATERIAL, OR SOURCE, MIX DESIGN MUST BE REDONE FROM THE SPECIFIED INSTITUTE.
- 33) CURING OF CONCRETE SHALL BE DONE UP TO 14 DAYS AFTER CASTING. USE PONDING METHOD FOR SLAB AND WRAP JUTE BAGS AROUND COLUMNS, IMMEDIATELY. AFTER FINAL SETTING TIME, CONCRETE MUST NOT BE ALLOWED TO DRY UP TO 3 DAYS AFTER WHICH CURING COMPOUND OF MAKE [SIKA, BASE OR FOSROC] WILL BE APPLIED ON MEMBERS.
- 34) SPACER BAR/PIN SHALL BE OF 25#@1000 C/C TO KEEP CLEAR DISTANCE OF 25MM BETWEEN TWO HORIZONTAL LAYERS OF REINFORCEMENT.
- 35) CHAIRS SHALL BE PROVIDED FOR TO SUPPORT TOP REINFORCEMENT (WHERE REQUIRED) OF FOUNDATION AND SLAB AND SHOULD NOT BEND OR BUCKLE UNDER THE WEIGHT OF REINFORCEMENT & OTHER INCIDENTAL LOADS DURING CONSTRUCTION. MINIMUM DIA OF CHAIR SHALL BE #16MM FOR FOUNDATION AND #12MM FOR SLAB @ SPACING NOT EXCEEDING 1000MM C/C
- 36) COMPRESSIVE STRENGTH OF AAC BLOCKS USED IN THIS WORK SHALL NOT BE LESS THAN 5 N/SQMM. ALL THE PARTITION WALLS UP TO 100MM THK. SHALL BE REINFORCED WITH 2 NOS. OF 8MM DIA. BARS AT EVERY 4TH. LAYER OF MASONRY. ALL THE CONSTRUCTION OF AAC BLOCK MASONRY SHALL BE DONE AS PER IS : 6041.
- 37) BREAKING OF RCC MEMBER FOR INLET OF PIPE, ELECTRICAL CONDUITS ETC; IS NOT PERMITTED. NECESSARY OPENINGS FOR PIPE, CONDUITS ETC AT REQUIRED POSITION SHALL BE PLANNED & PLACED IN THE FORMWORK BEFORE STARTING CONCRETING.
- 38) ALL STRUCTURAL STEEL SHALL CONFORM TO IS-2062 GRADE-A & STRUCTURAL STEEL WORK SHALL BE DONE AS PER IS-800.
- 39) SHUTTERING, FORM WORK & STAGING OF COLUMN, BEAM & SLAB SHALL BE PROPERLY DESIGNED BY CIVIL CONTRACTOR AND ALL PRECAUTION TO BE TAKEN WHILE CASTING.
- 40) THE STRUCTURE IS DESIGNED AS PER RELEVANT I.S. CODE AND FOR FOLLOWING ENVIRONMENT CONDITIONS :

- a) SEISMIC ZONE
b) BASIC WIND SPEED
c) EXPOSURE CONDITION

AS PER DBR

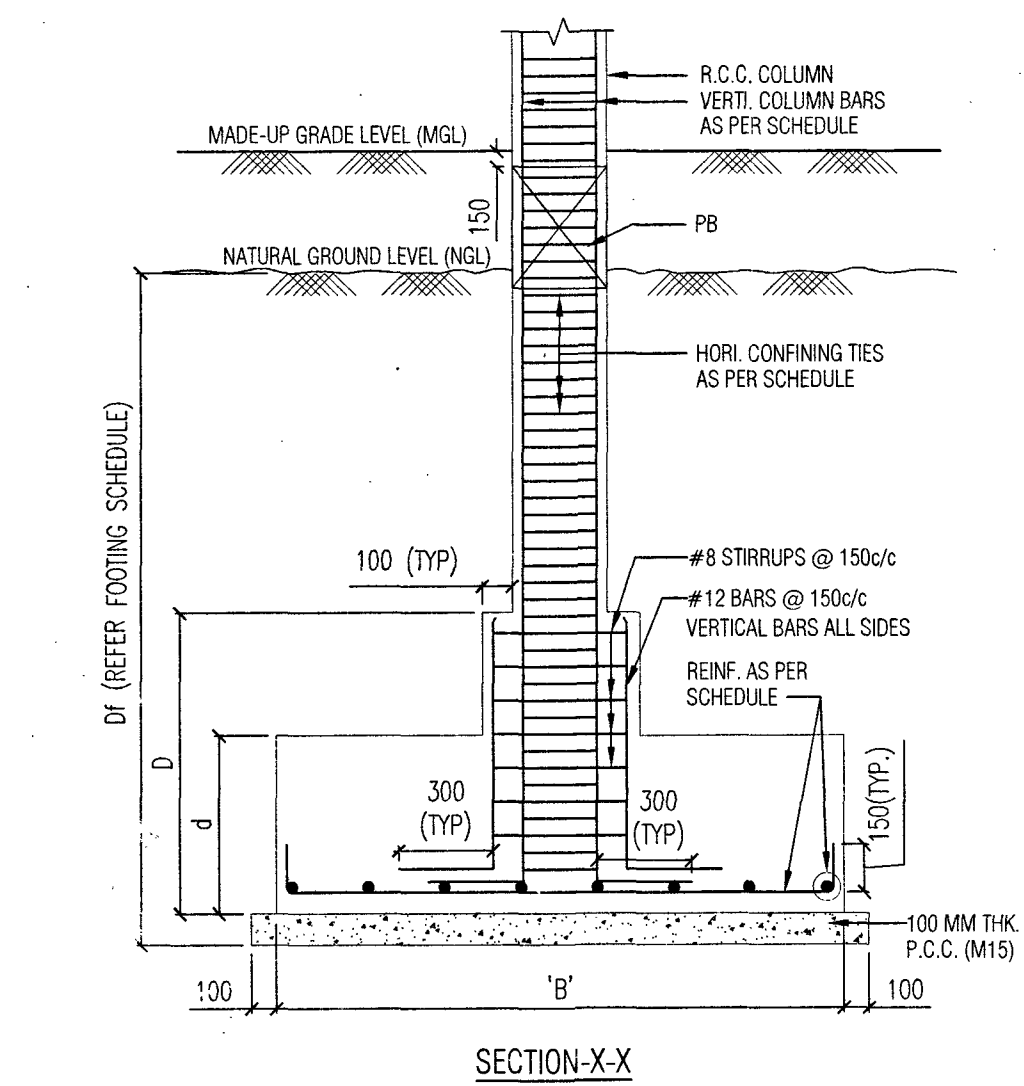
- 41) REINFORCEMENT SHALL BE DONE IN ACCORDANCE, WITH IS:13920,(2016). REFER DRG NO SK/ S/ 2023/Q/01,SHT 3/5, 4/5 & 5/5.
- 42) THE STRUCTURE IS NOT DESIGNED FOR ANY IMPACT OR BLASTING, LOCAL HEAVY AND CONTINUOUS GROUND VIBRATION.
- 43) THE PORTAL OR FRAME OF STRUCTURE SHALL NOT BE USED FOR ANY LOADING/UNLOADING OPERATIONS.
- 44) 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.
- 45) IF ANY BLACK COTTON SOIL IS ENCOUNTERED IN FOUNDATION PITS, IT SHALL BE FULLY REMOVED.& FILLING AS PER NOTE-50.
- 46) IF AT THE TIME OF EXCAVATION, MAJOR SOLUTION CAVITIES HAVE BEEN FOUND WHICH HAVE RENDERED THE GROUND SURFACE UNEVEN, THE DEPTH OF FOUNDATION SHOULD BE TAKEN TO A LEVEL SUCH THAT 80 PERCENT ROCK AREA IS AVAILABLE. IT MUST BE ENSURED THAT THE FOUNDATION DOES NOT OVERHANG AT ANY CORNER.
- 47) IN ROCKY STRATA, FOUNDATION SHALL BE MINIMUM 500MM EMBEDDED IN ROCK STRATA AND AFTER EXCAVATION, REMAINING SPACE SURROUNDING FOUNDATION PIT/TRENCH TO BE FILLED WITH SUITABLE GROUT MATERIAL OR WITH EXPANSIVE CONCRETE.

- 48) IF AFTER EXCAVATION, LOOSE POCKETS OF TALUS DEPOSIT ARE FOUND OUT AT A FEW PLACES, THE SAME SHOULD BE CLEANED AND BACKFILLED WITH LEAN CONCRETE OF M15 GRADE.
- 49) SUITABILITY OF SOIL FOR STRUCTURAL BACKFILLING: THE TOP SOIL IS HIGH TO VERY HIGH SWELLING CHARACTERISTIC, WHICH IS NOT SUITABLE FOR STRUCTURAL BACKFILLING. HOWEVER, NON-PLASTIC TYPE OF SOIL SHALL BE USED FOR BACK FILLING (FOR PLINTH, FLOORING, FOUNDATION TRENCH ETC.) AND SAME SHALL BE COMPACTED AT 95% OF MDD.
- 50) AFTER EXCAVATION FOR FOUNDATION, ACTUAL STRATA ENCOUNTERED WILL BE INSPECTED BY GE. IN CASE THE STRATA DIFFER FROM THE SOIL REPORT ATTACHED IN THE CONTRACT AND THAT CARRIED OUT BY THE CONTRACTOR, SBC SHALL BE RE-VERIFIED AND THE SAME SHALL BE BROUGHT TO THE NOTICE OF ACCEPTING OFFICERS IF SBC IS ON LOWER SIDE FOR RE-DESIGN OF FOUNDATION BY THE CONSULTANT OF THE CONTRACTOR. COST OF RE-VERIFICATION OF SBC SHALL BE BORNE BY THE CONTRACTOR AND DEEMED INCLUDED IN THE QUOTED SUM.

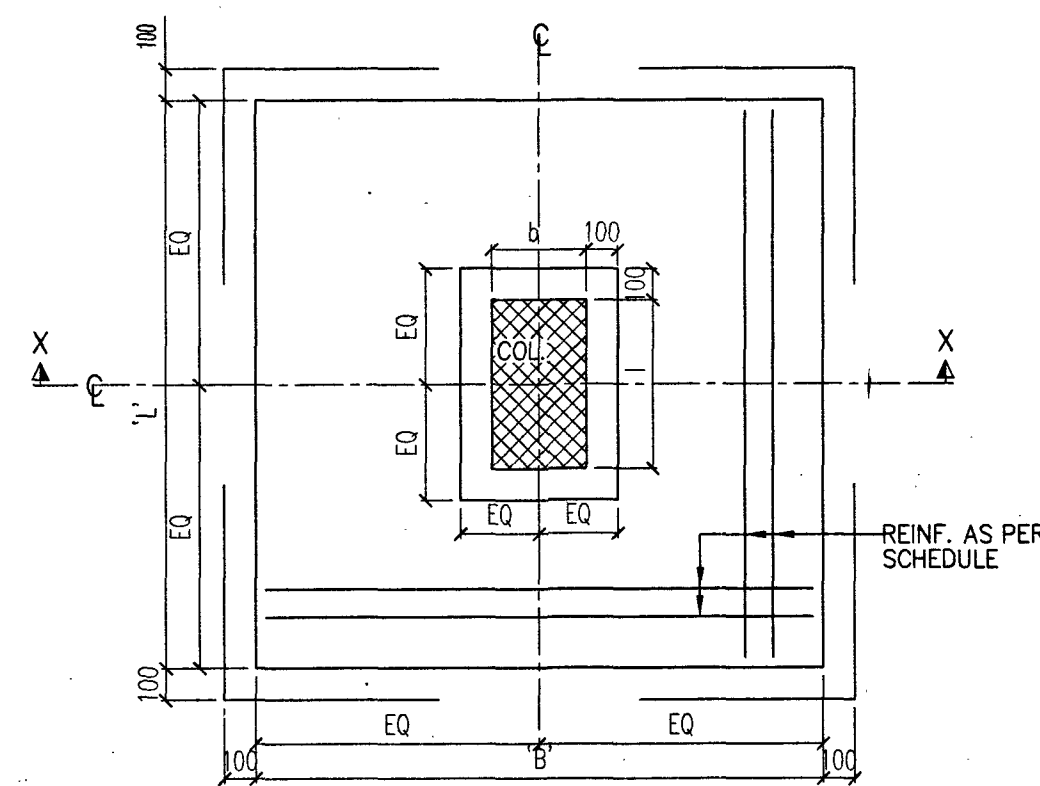
NOTES :-

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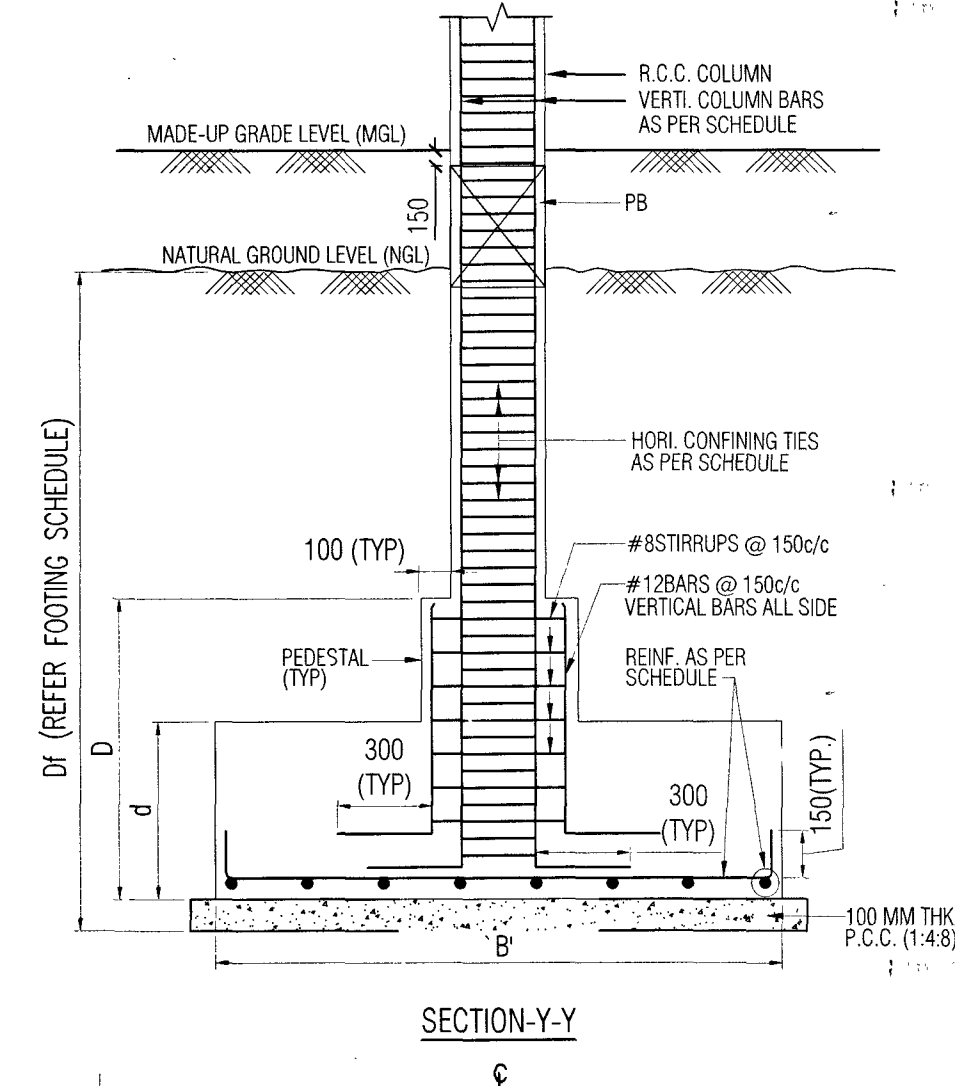
SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs).			
TYPICAL DRAWING			
STRUCTURAL GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS			
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranjit Singh		2
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD /S/2026 / 01	
<div>(RAGHAV PARASHAR) LT COL SOI (DESIGN) FOR CHIEF ENGINEER NAVY</div>		<div>(PRATEEK KUMAR, IDSE) SE DR (DESIGN) FOR CHIEF ENGINEER NAVY</div>	



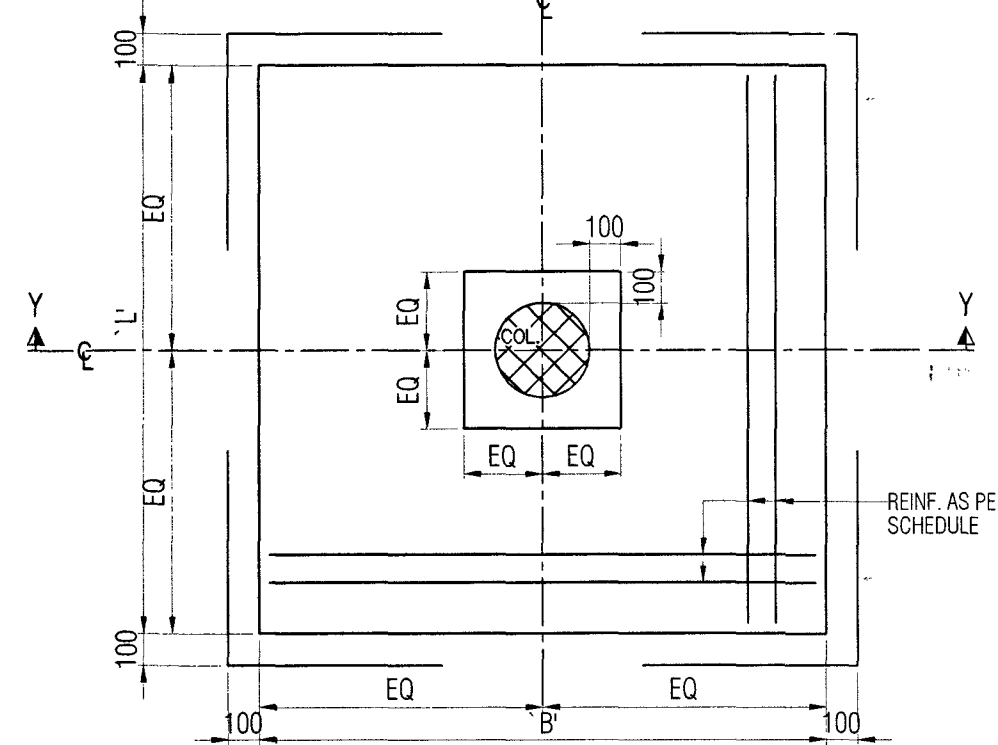
SECTION-X-X



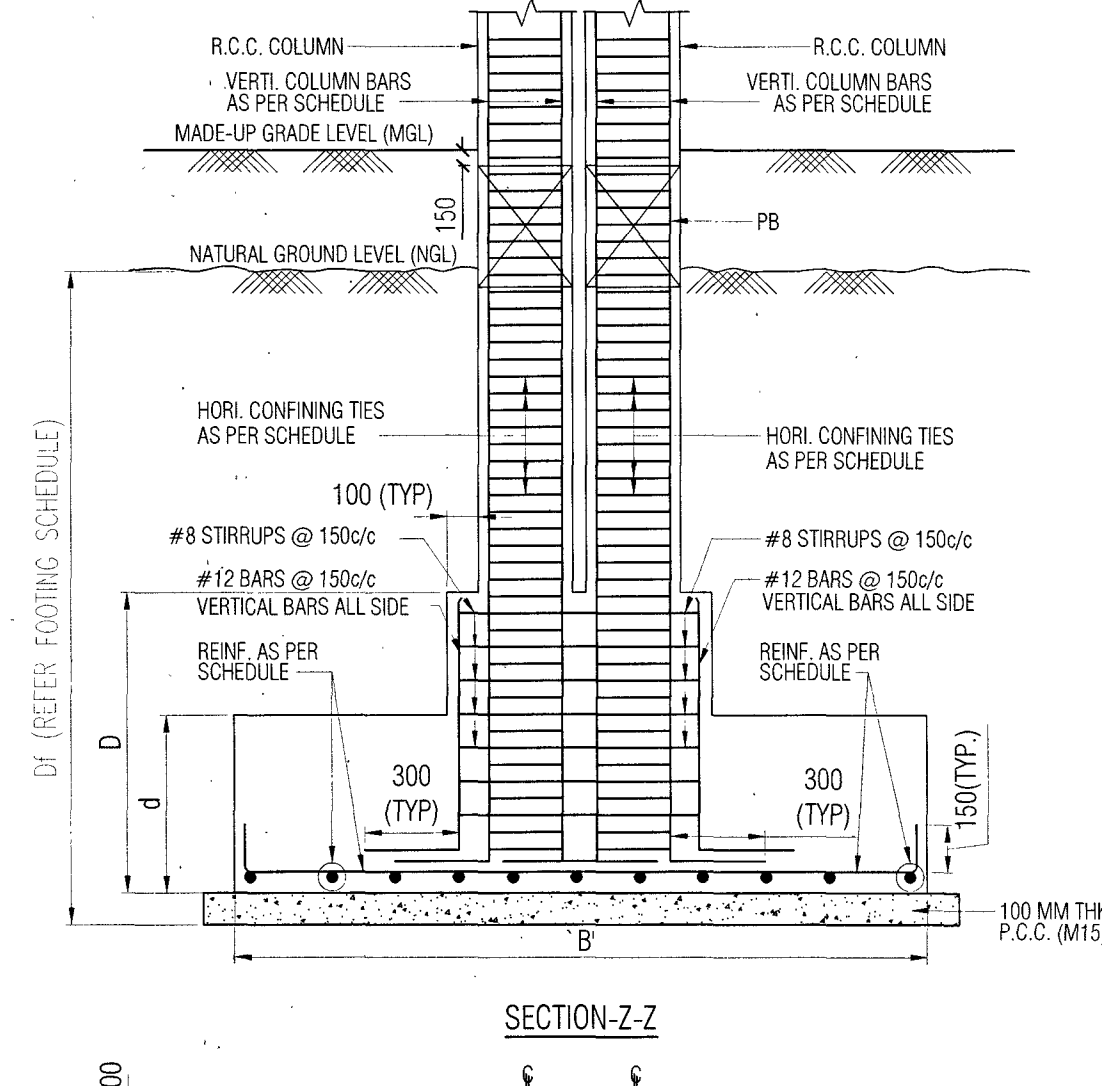
TYPICAL COLUMN FOOTING PLAN
(SQUARE/RECTANGULAR COLUMN)



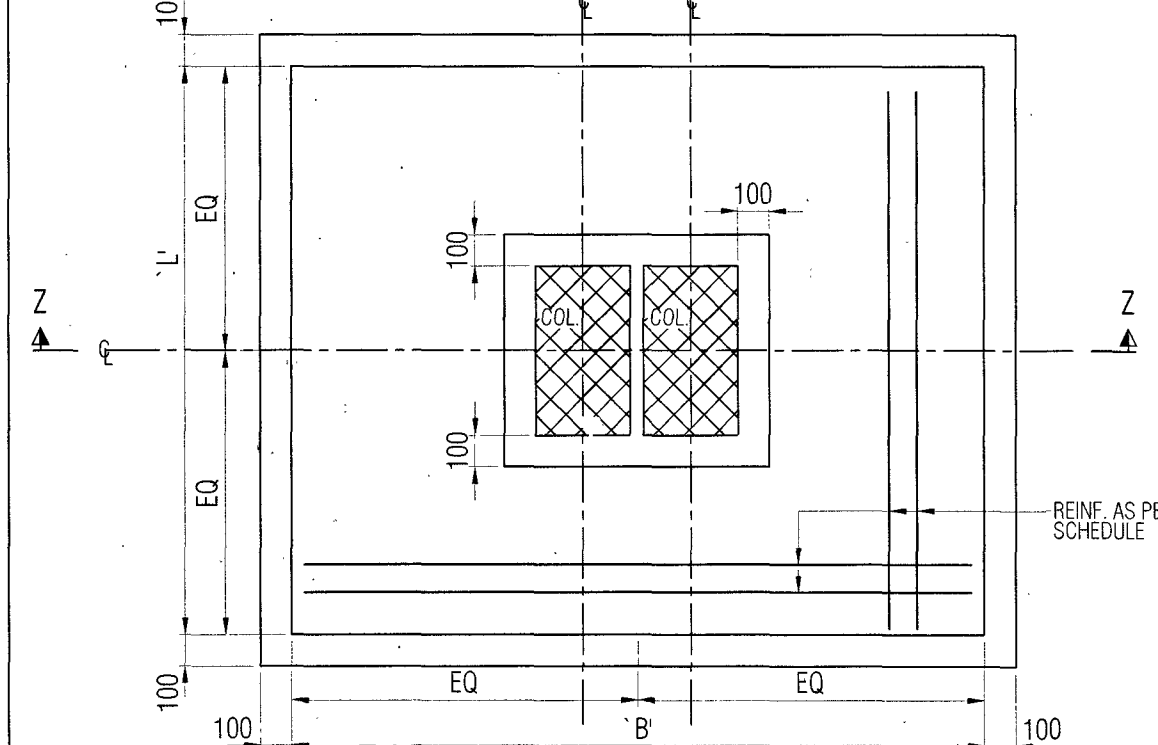
SECTION-Y-Y



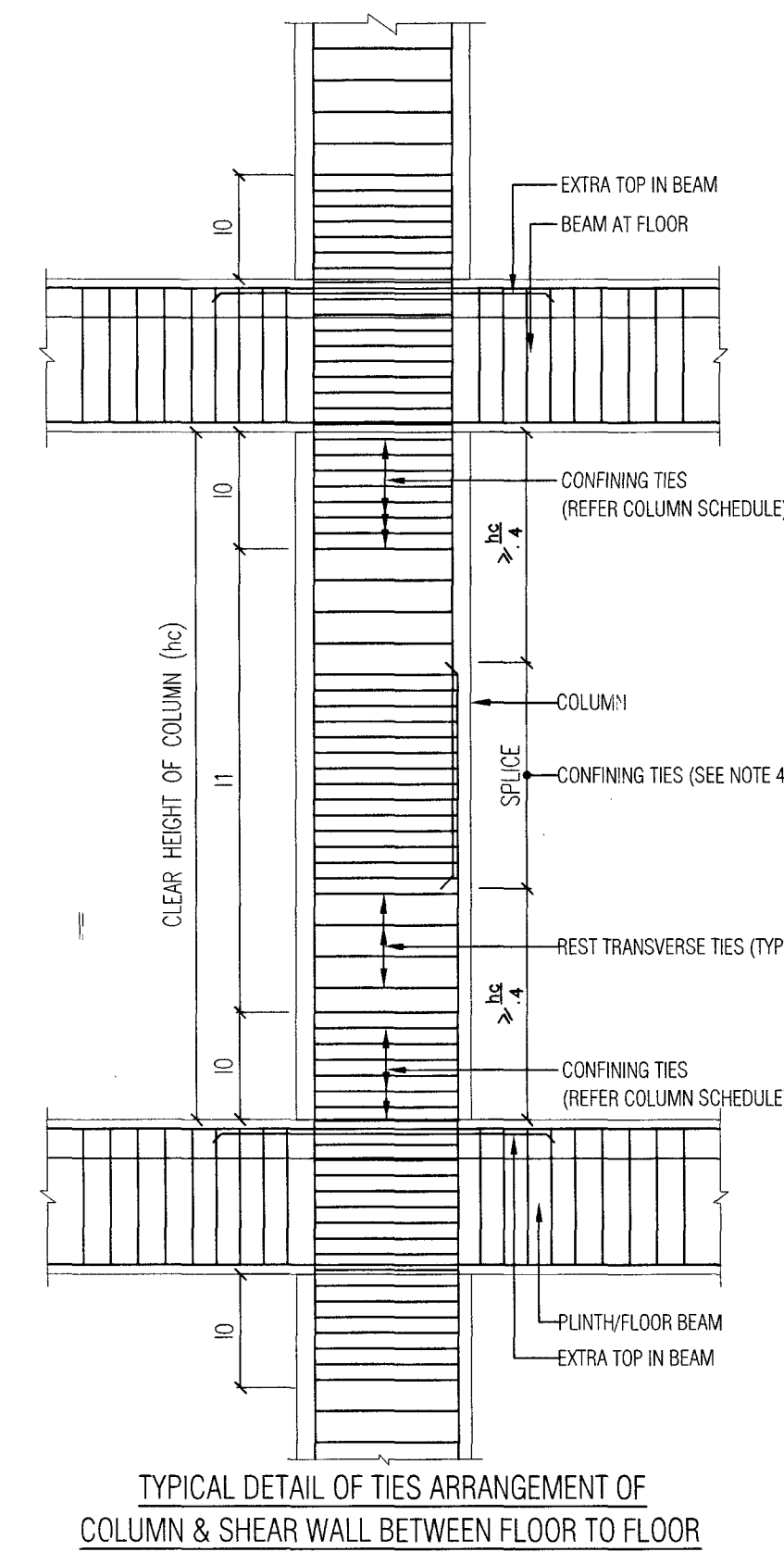
TYPICAL COLUMN FOOTING PLAN
(CIRCULAR COLUMN)



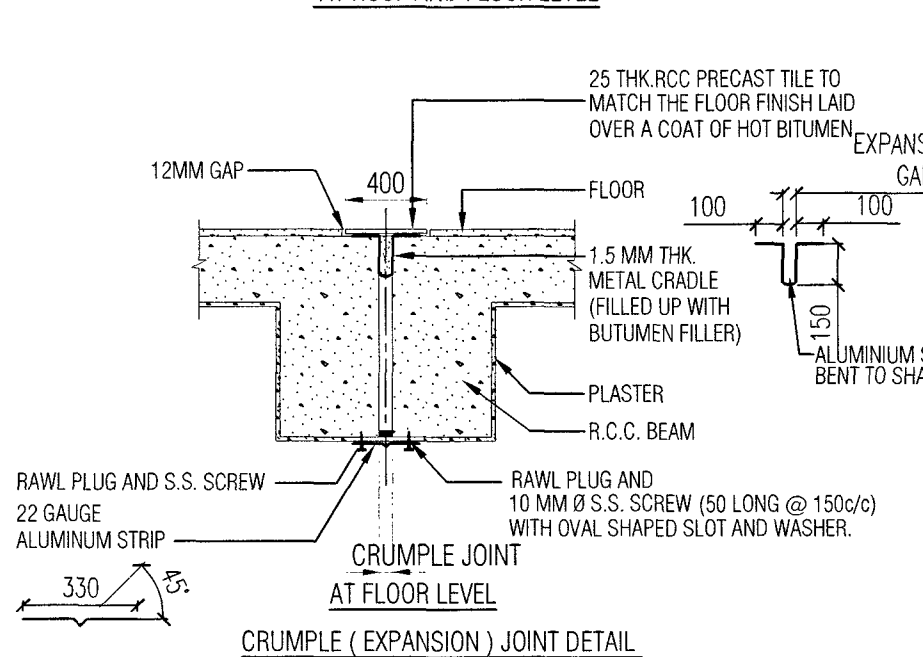
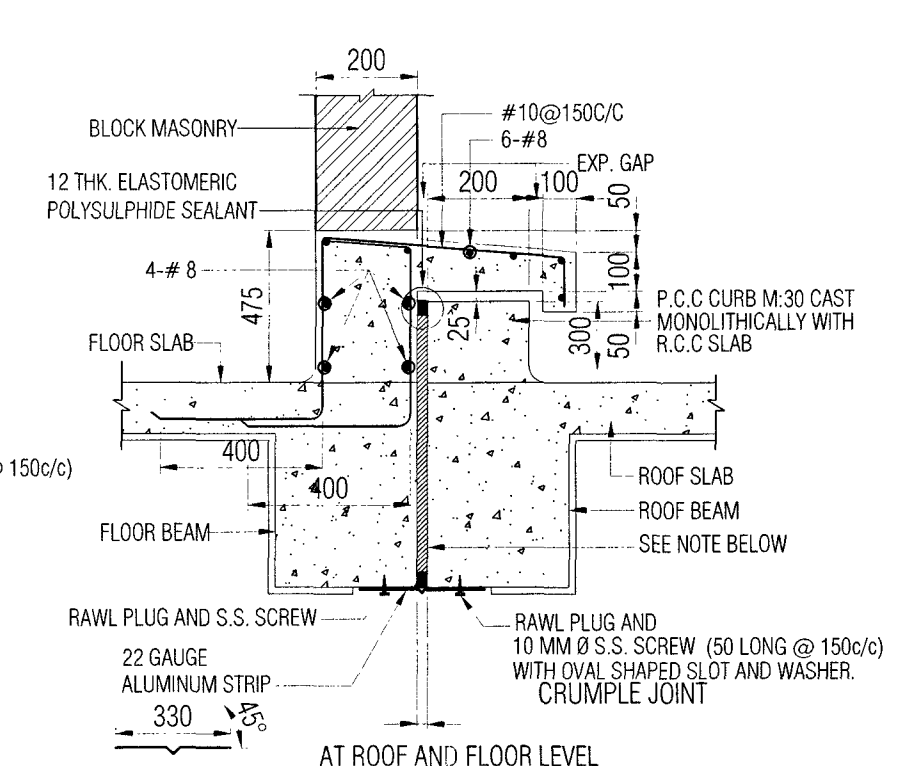
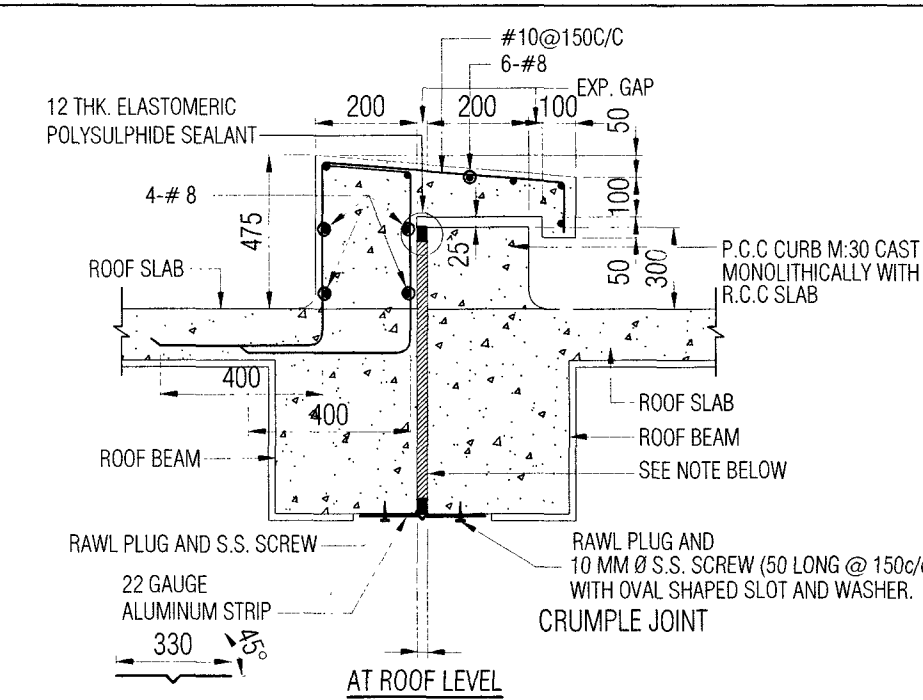
SECTION-Z-Z



TYPICAL COLUMN FOOTING PLAN
(AT CRUMPLE JOINT)



TYPICAL DETAIL OF TIES ARRANGEMENT OF
COLUMN & SHEAR WALL BETWEEN FLOOR TO FLOOR



NOTE : NON-BITUMINOUS HIGH RESILIENT JOINT FILLER BOARD.
MAKE SHALITEX CONFORMING TO IS:1838.

NOTES :-

- THIS DRAWING IS FOR GUIDELINES PURPOSE ONLY AS IT MAY VARY AS PER SITE CONDITIONS. RELEVANT STRUCTURAL CODES MAY BE FOLLOWED.

SL. NO.	DATE	DESCRIPTION	SIG
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS
(Pos & BELOW) AT PORBANDAR (48 DUs).

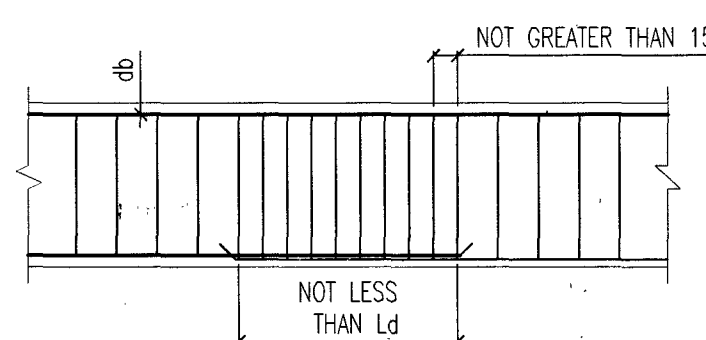
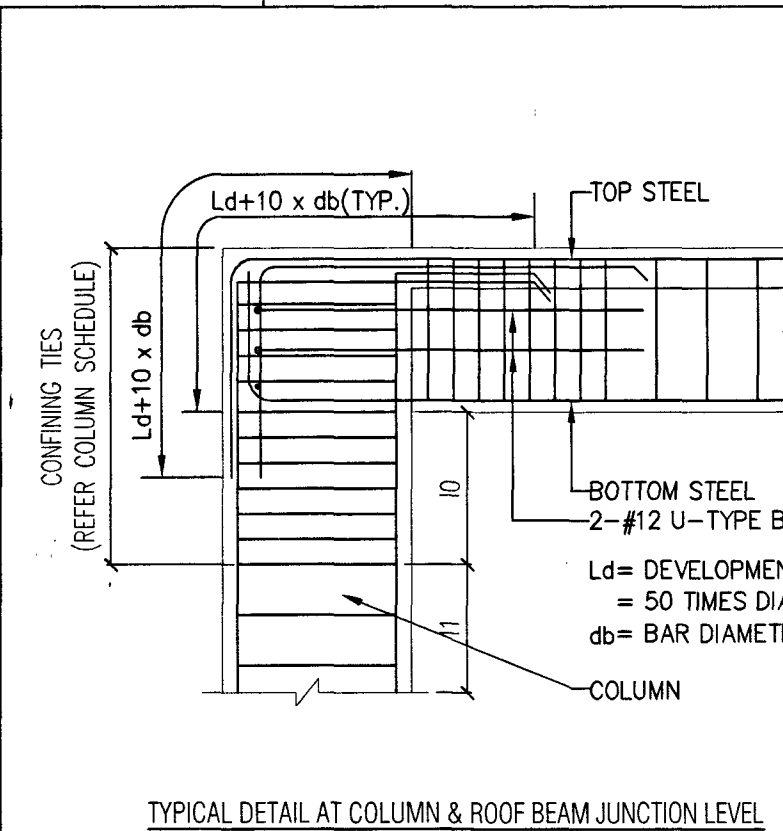
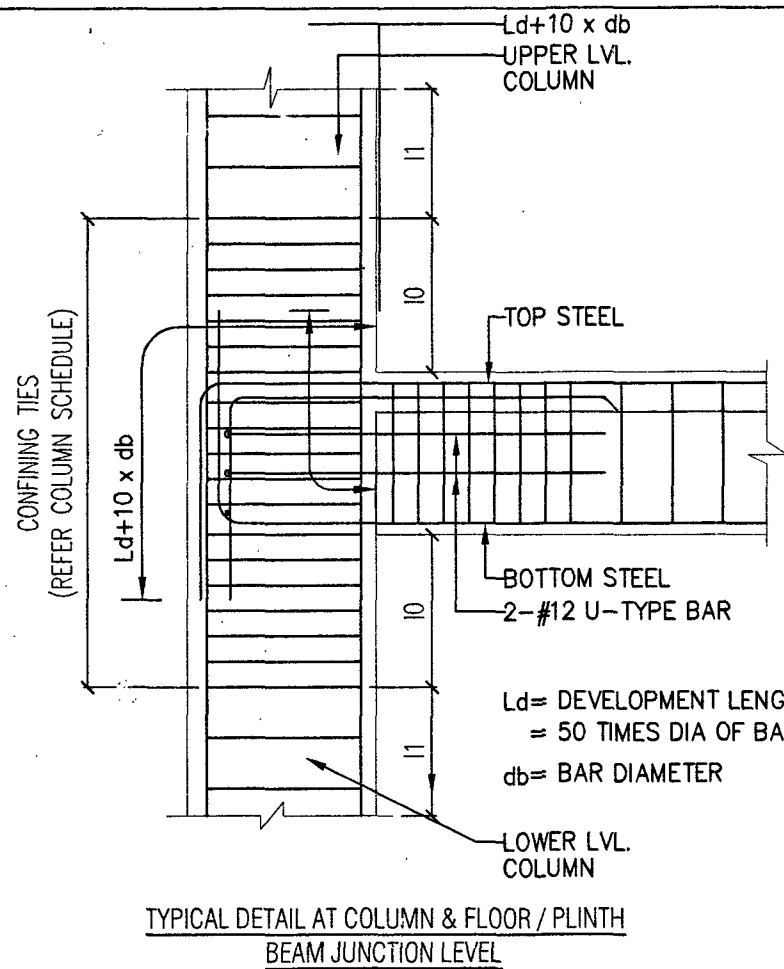
TYPICAL DRAWING

STRUCTURAL GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS

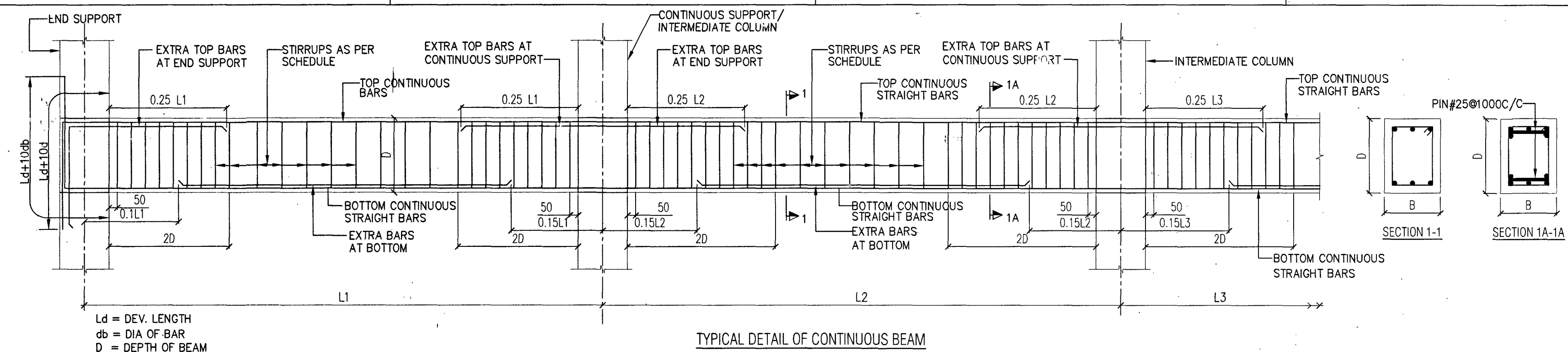
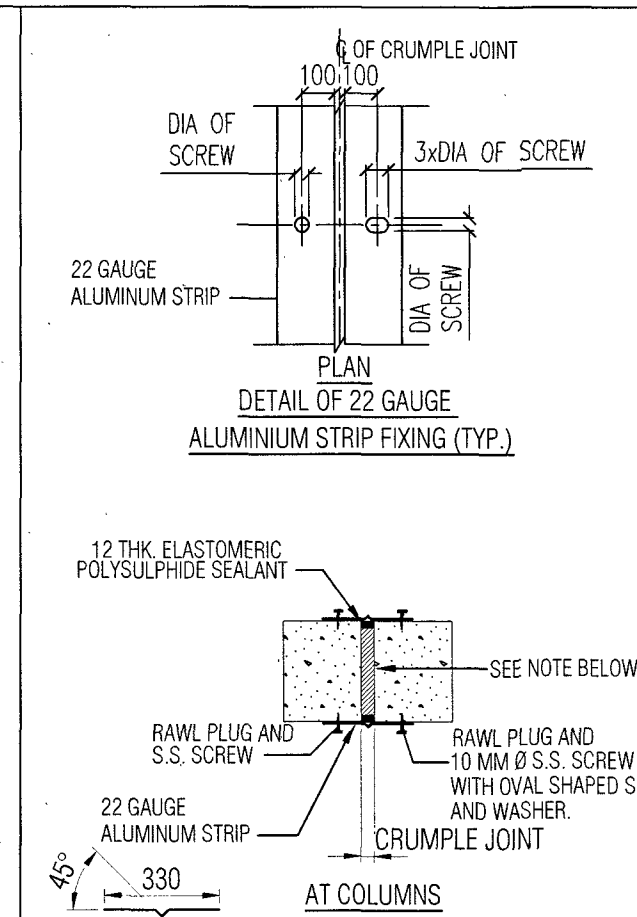
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET
DRN	NbSub Ranjit Singh		3
TCD	-		
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SCALE	AS SHOWN		
REF DRG NO: WD /S/2026 / 01			

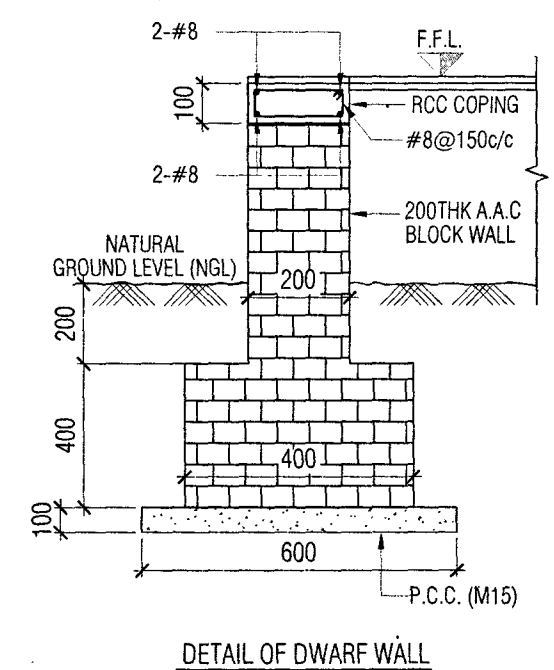
(RAGHAV RABASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRATEEK KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY

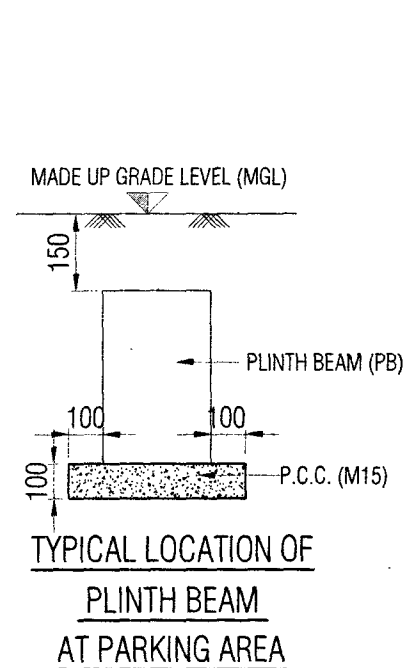


NOTE :- THE LONGITUDINAL BARS SHALL BE SPLICED, ONLY IF HOOPS ARE PROVIDED OVER THE ENTIRE SPLICE LENGTH, AT A SPACING NOT EXCEEDING 150 MM. THE LAP LENGTH SHALL NOT BE LESS THAN THE BAR DEVELOPMENT LENGTH IN TENSION. LAP SPLICES SHALL NOT BE PROVIDED (A) WITHIN A JOINT, (B) WITHIN A DISTANCE OF 2D FROM 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.

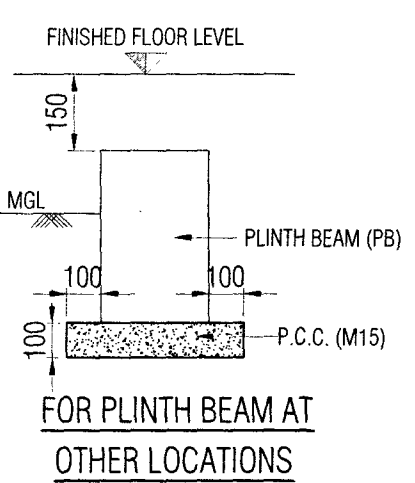




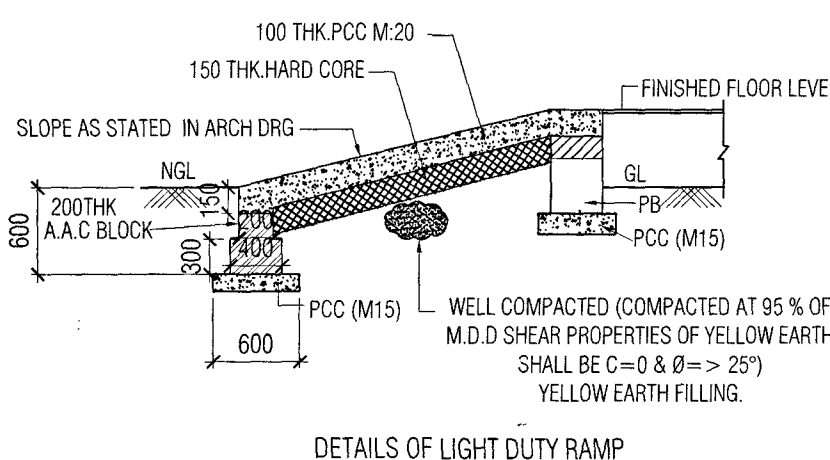
DETAIL OF DWARF WALL



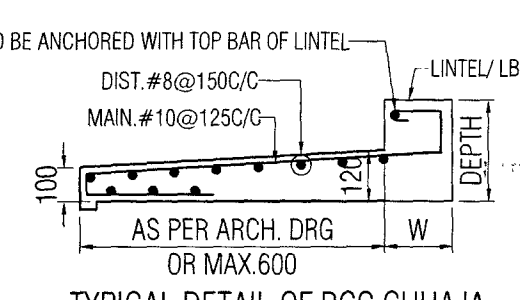
TYPICAL LOCATION OF PLINTH BEAM AT PARKING AREA



FOR PLINTH BEAM AT OTHER LOCATIONS

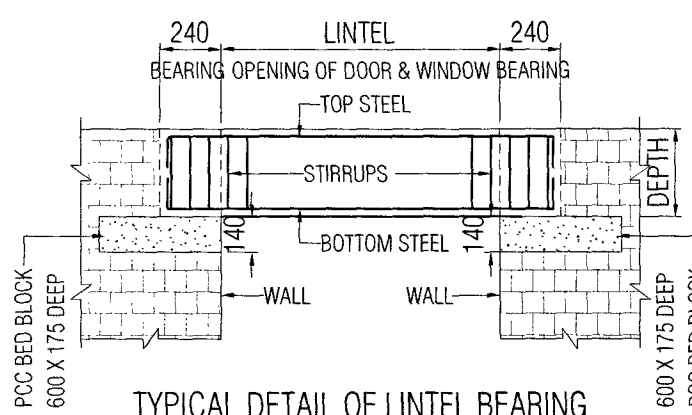


DETAILS OF LIGHT DUTY RAMP

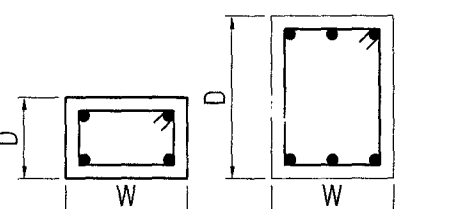


TYPICAL DETAIL OF RCC CHHAJA

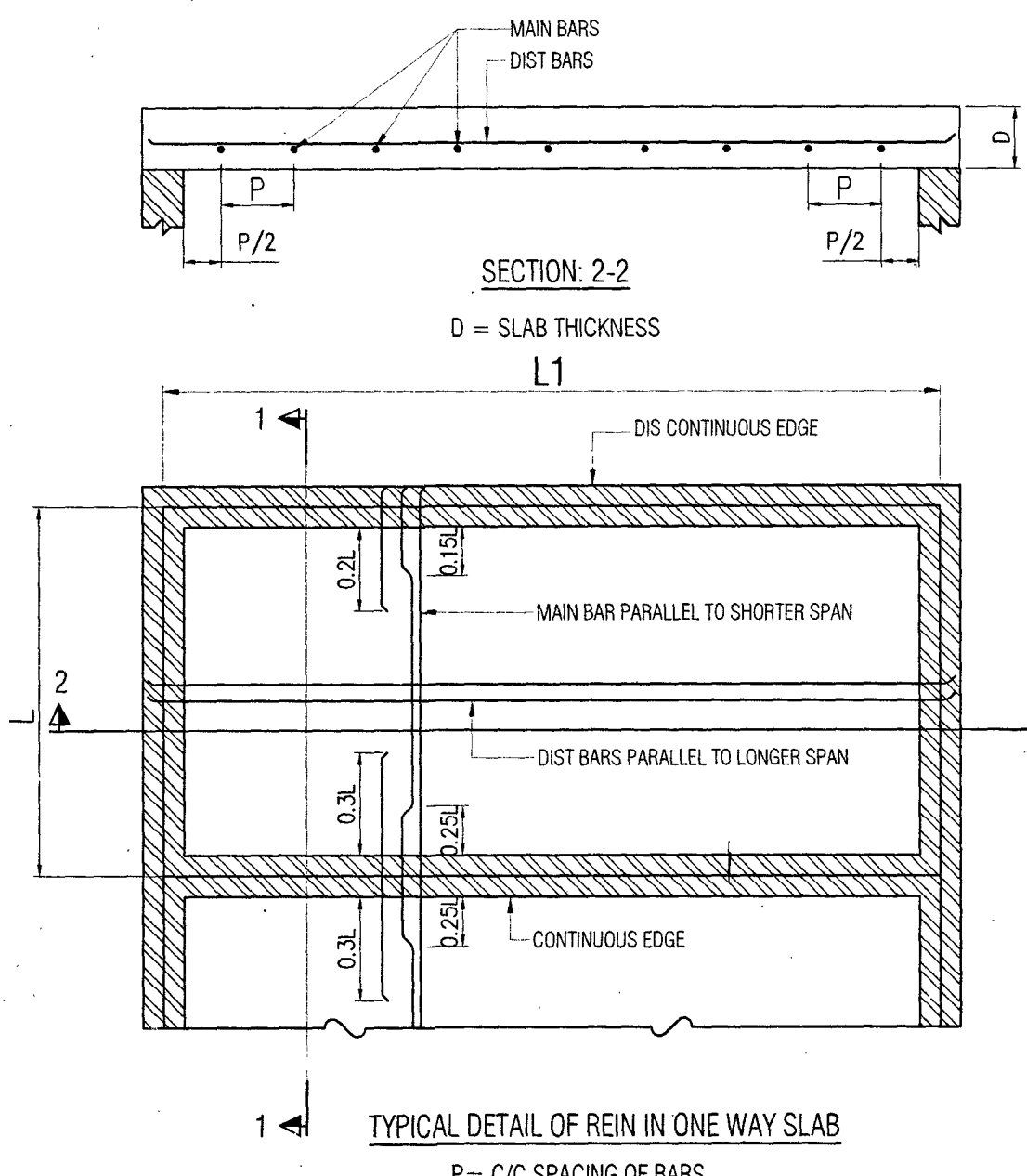
SCHEDULE OF LINTEL									
SL. NO.	MAX. CLEAR OPENING WIDTH	D	WIDTH OF WALL (W)	REINFORCEMENT		STIRRUPS			
				BOTTOM	TOP	UP TO 0.25L FROM SUPPORT	AT BALANCE SPAN		
1.	UP TO 900	200	100	2-10 #	2-10 #	2L-#8 @150/C	2L-#8 @150/C		
	UP TO 900	200	200	2-10 #	2-10 #	2L-#8 @150/C	2L-#8 @150/C		
	UP TO 900	200	300	2-12 #	2-12 #	2L-#8 @150/C	2L-#8 @150/C		
2.	UP TO 1500	200	100	2-10 #	2-10 #	2L-#8 @150/C	2L-#8 @150/C		
	UP TO 1500	200	200	2-10 #	2-10 #	2L-#8 @150/C	2L-#8 @150/C		
	UP TO 1500	200	300	2-12 #	2-12 #	2L-#8 @150/C	2L-#8 @150/C		
3.	UP TO 2000	200	100	2-10 #	2-10 #	2L-#8 @150/C	2L-#8 @150/C		
	UP TO 2000	200	200	2-10 #	2-10 #	2L-#8 @150/C	2L-#8 @150/C		
	UP TO 2000	200	300	2-12 #	2-12 #	2L-#8 @150/C	2L-#8 @150/C		
4.	UP TO 2500	200	200	3-12 #	3-12 #	2L-#8 @150/C	2L-#8 @150/C		
5.	UP TO 3000	200	200	3-12 #	3-12 #	2L-#8 @150/C	2L-#8 @150/C		
6.	UP TO 4500	400	200	3-12 #	3-12 #	2L-#8 @150/C	2L-#8 @150/C		
7.	UP TO 6000	400	200	3-12 #	3-12 #	2L-#8 @150/C	2L-#8 @150/C		



TYPICAL DETAIL OF LINTEL BEARING



TYPICAL SECTION FOR LINTEL LEVEL



SECTION 2-2

D = SLAB THICKNESS

L1 = SLAB LENGTH

P = C/C SPACING OF BARS

DIS CONTINUOUS EDGE

MAIN BAR PARALLEL TO SHORTER SPAN

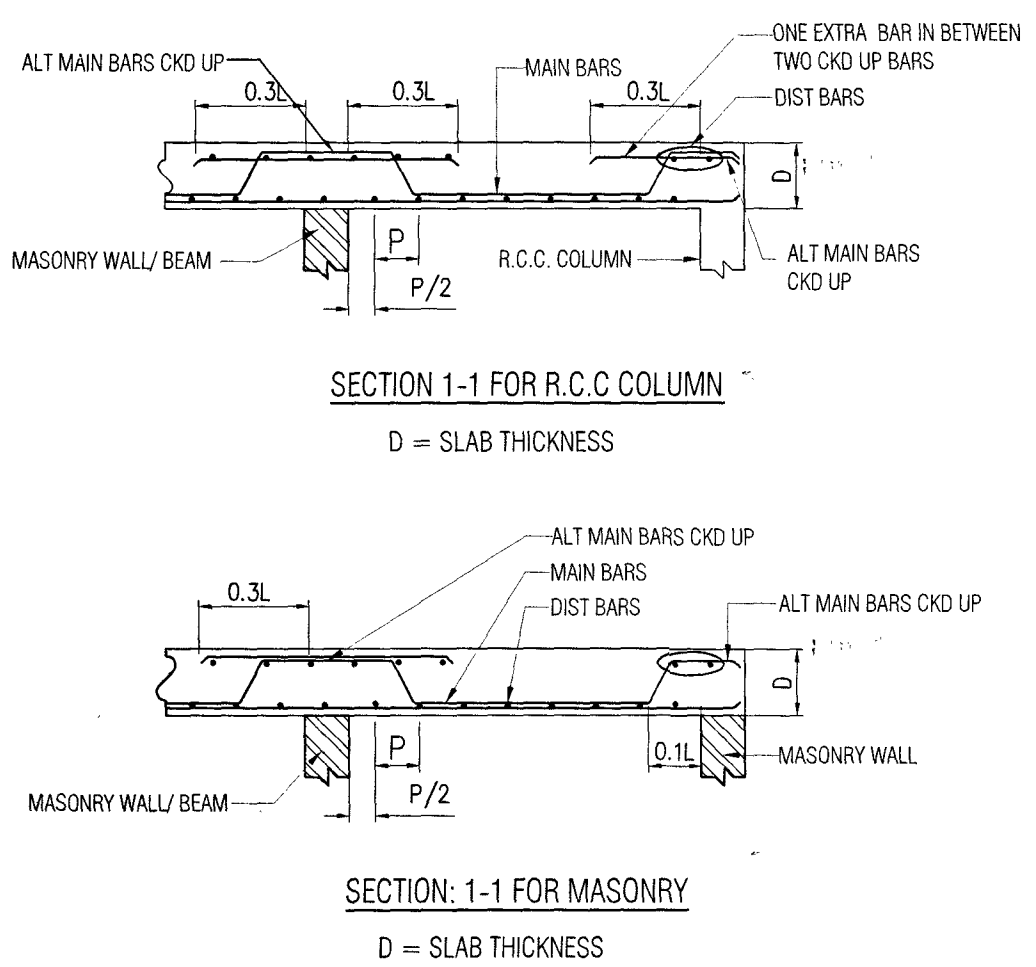
DIST BARS PARALLEL TO LONGER SPAN

CONTINUOUS EDGE

1

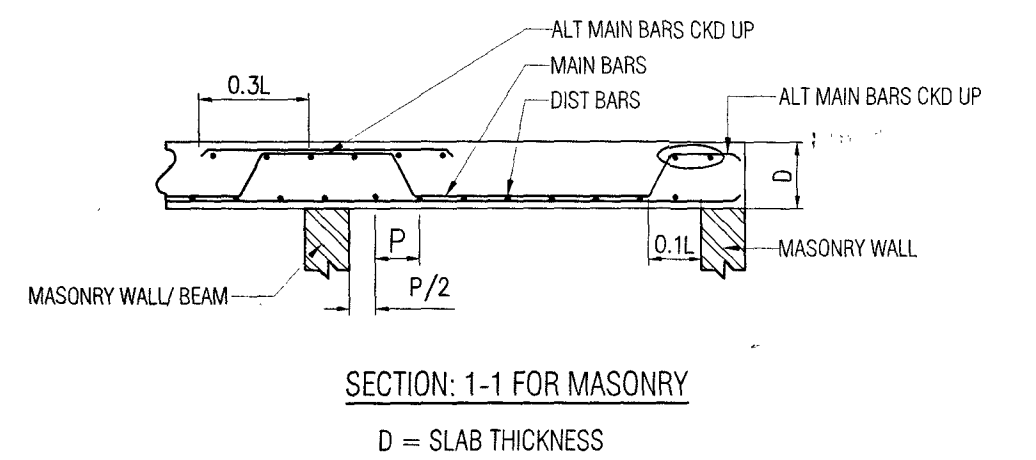
TYPICAL DETAIL OF REIN IN ONE WAY SLAB

P = C/C SPACING OF BARS



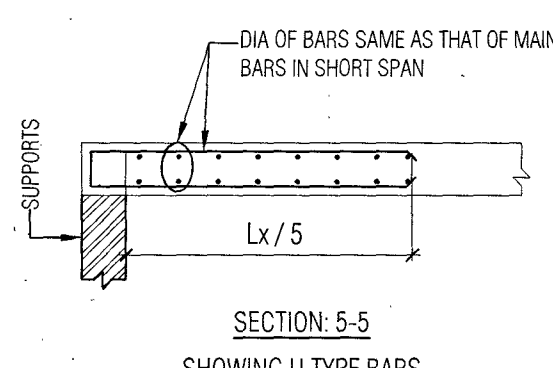
SECTION 1-1 FOR R.C.C COLUMN

D = SLAB THICKNESS



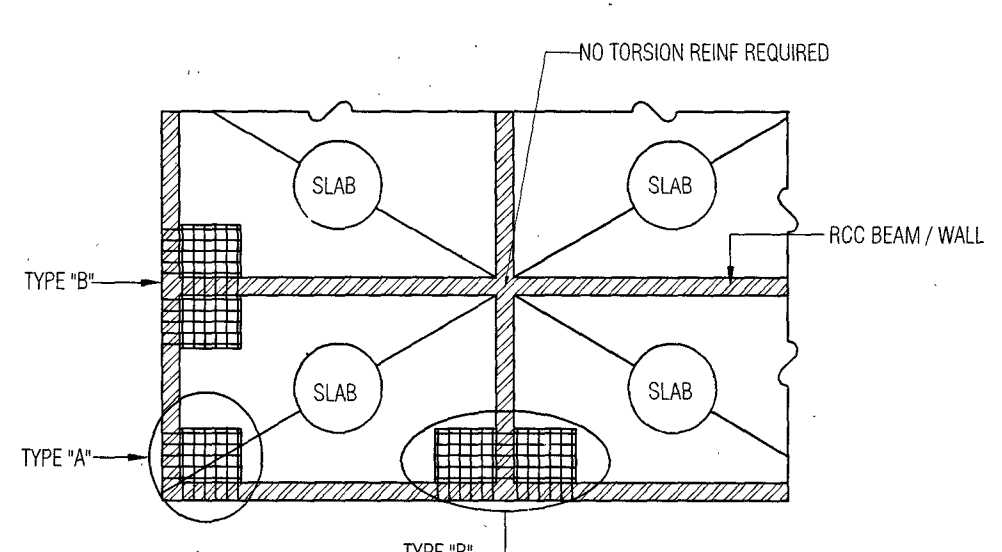
SECTION 1-1 FOR MASONRY

D = SLAB THICKNESS

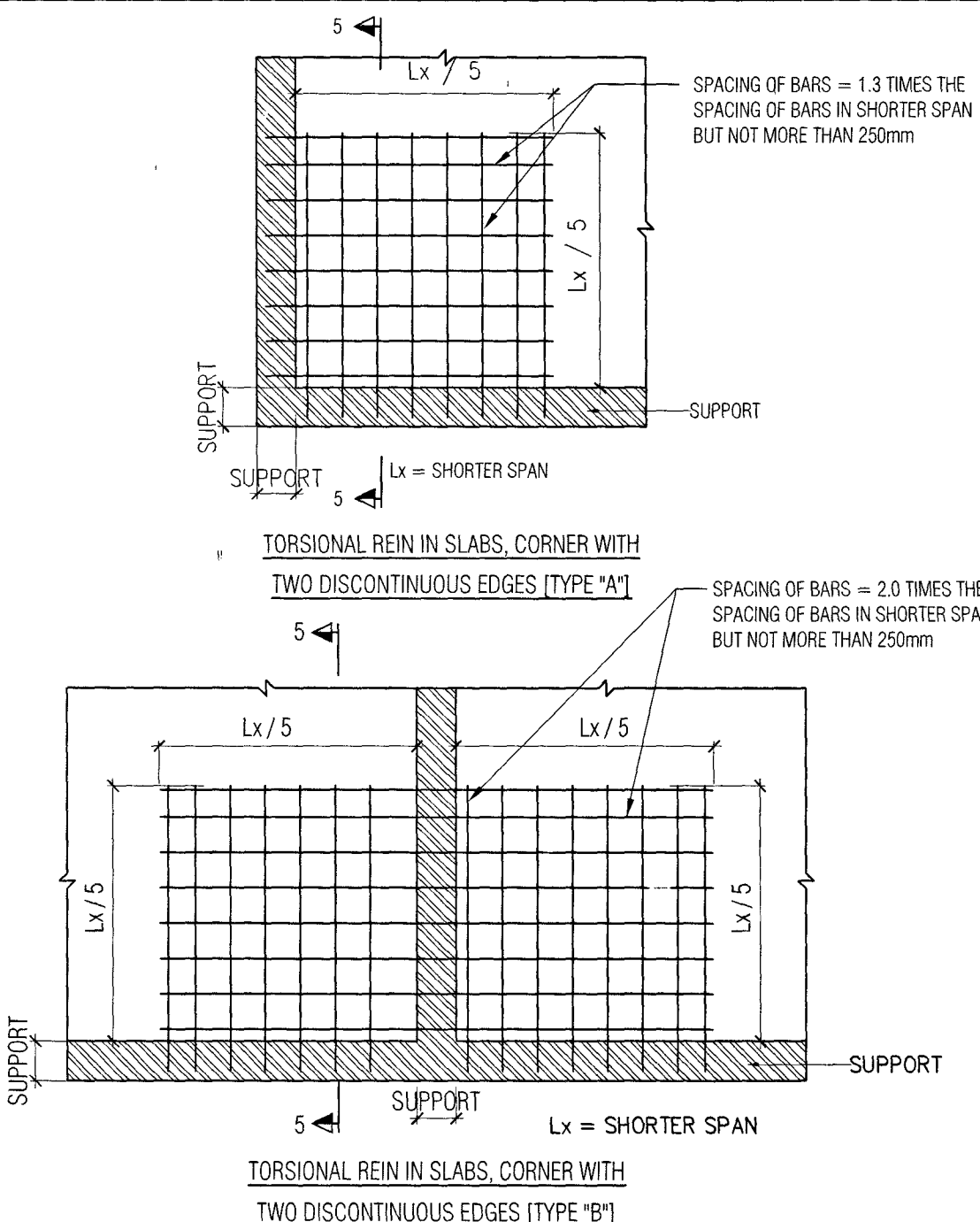


SECTION 5-5

SHOWING U TYPE BARS



LOCATION WHERE TORSION REIN REQUIRED



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

SPACING OF BARS = 1.3 TIMES THE SPACING OF BARS IN SHORTER SPAN BUT NOT MORE THAN 250mm

Lx = SHORTER SPAN

5

SUPPORT

Lx / 5

5

SUPPORT

Lx = SHORTER SPAN

5

SUPPORT

Lx / 5

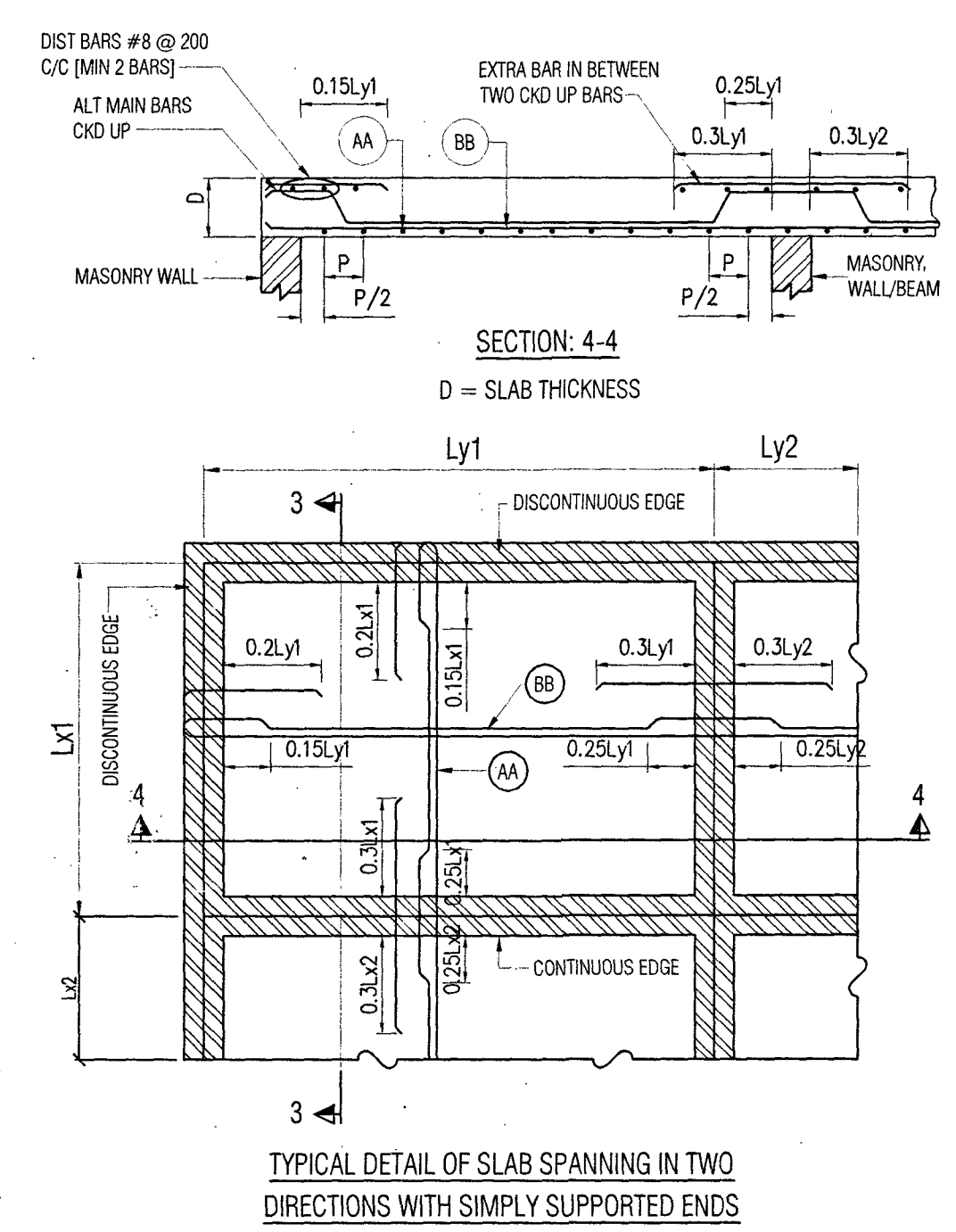
5

SUPPORT

Lx = SHORTER SPAN

5

SUPPORT



SECTION 4-4

D = SLAB THICKNESS

Ly1 = SLAB LENGTH

Ly2 = SLAB LENGTH

Lx1 = SLAB LENGTH

Lx2 = SLAB LENGTH

P = C/C SPACING OF BARS

DISCONTINUOUS EDGE

0.2Ly1

0.2Ly2

0.15Ly1

0.15Ly2

0.3Ly1

0.3Ly2

0.25Ly1

0.25Ly2

0.3Ly1

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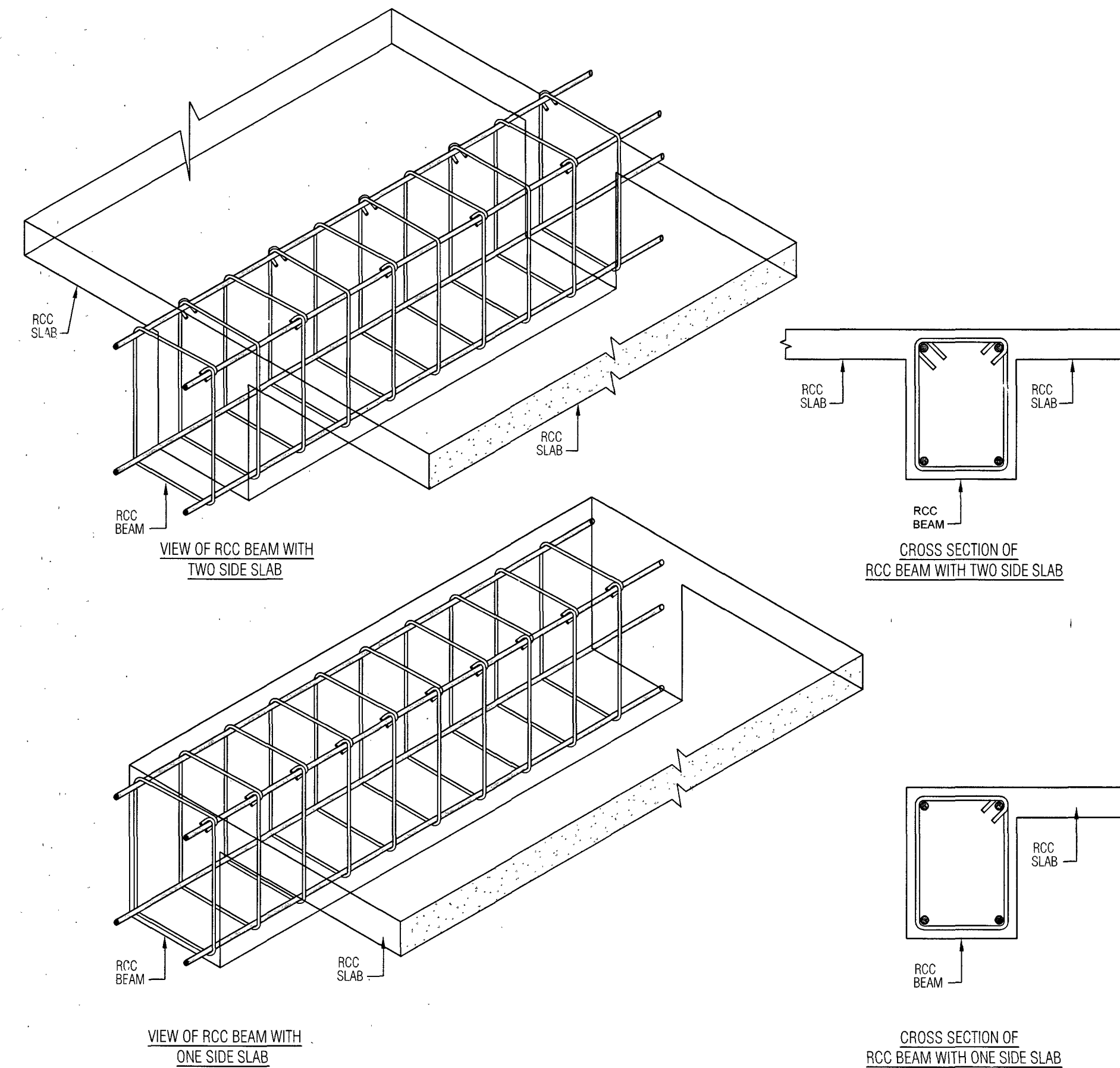
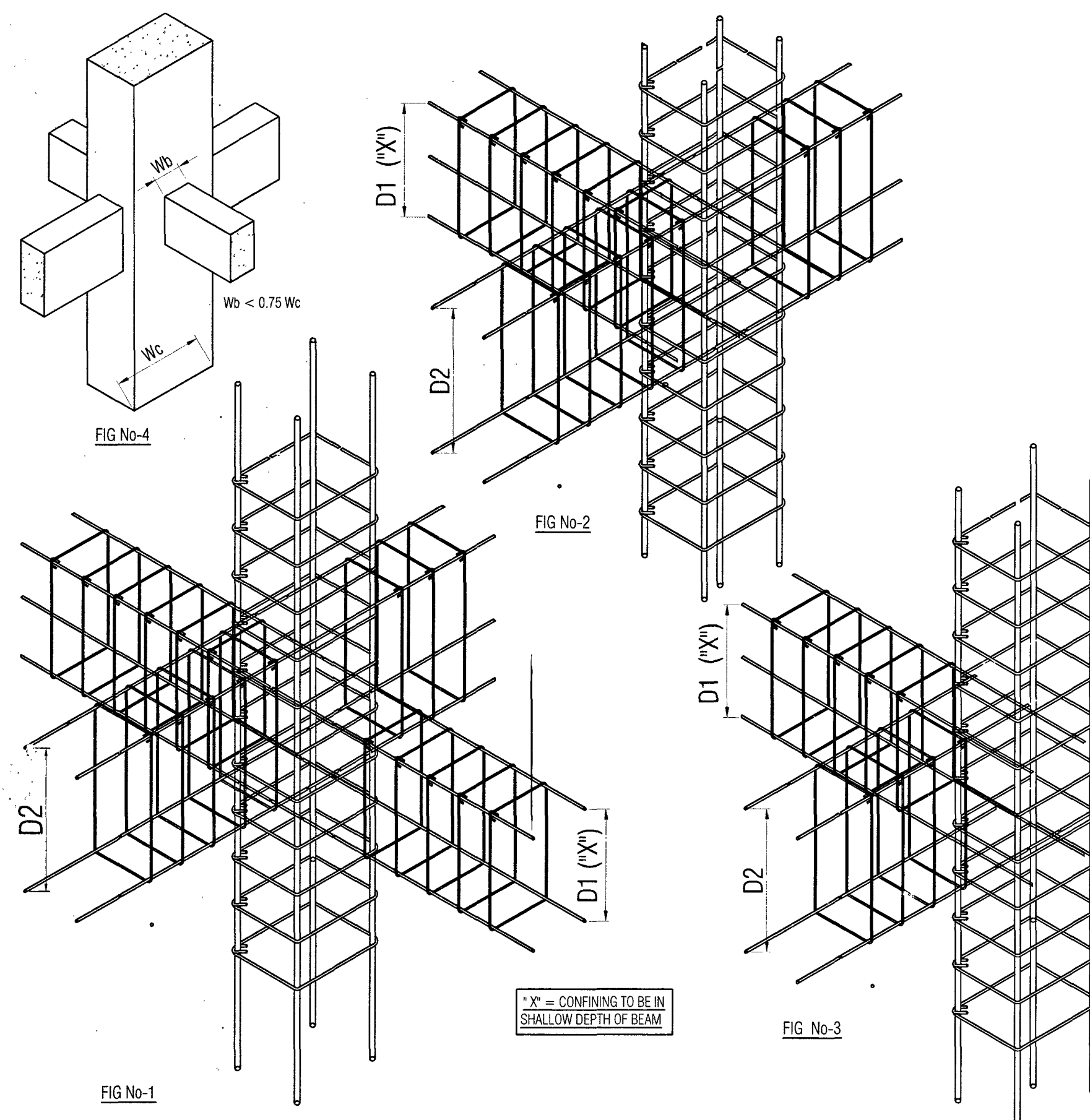
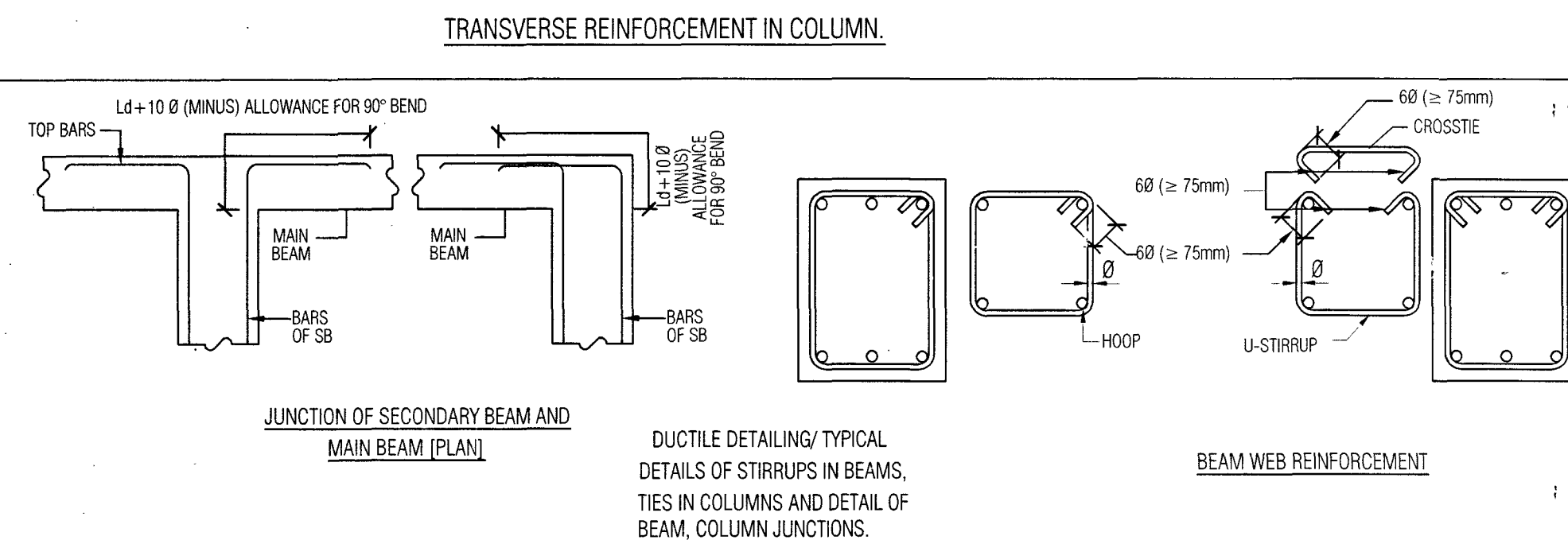
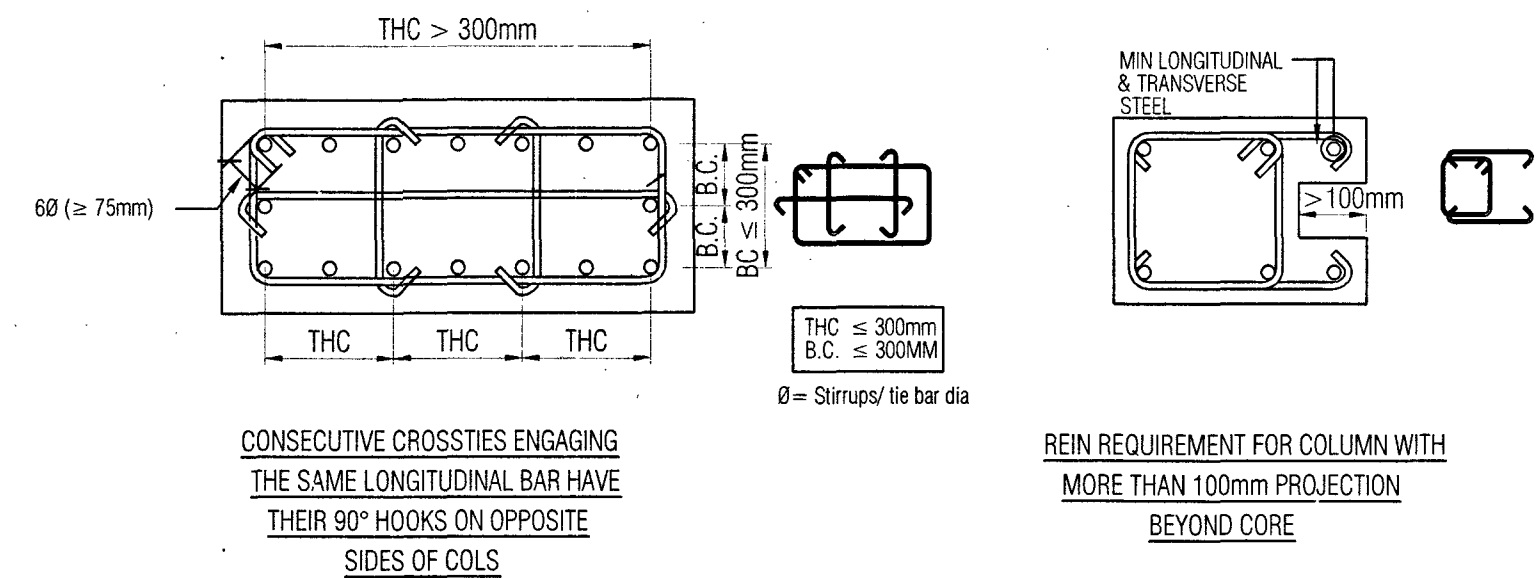
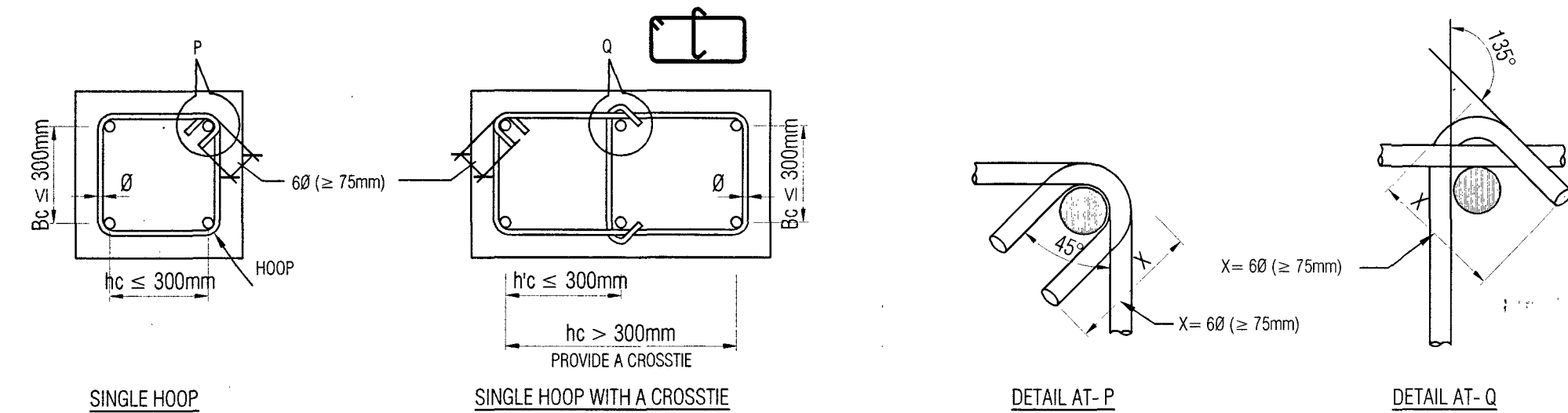
0.3Ly2

0.25Ly1

0.25Ly2

0.3Ly1

0.3Ly2



NOTES :-

- THIS DRAWING IS FOR GUIDELINES PURPOSE ONLY AS IT MAY VARY AS PER SITE CONDITIONS. RELEVANT STRUCTURAL CODES MAY BE FOLLOWED.

SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)

TYPICAL DRAWING

STRUCTURAL GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS

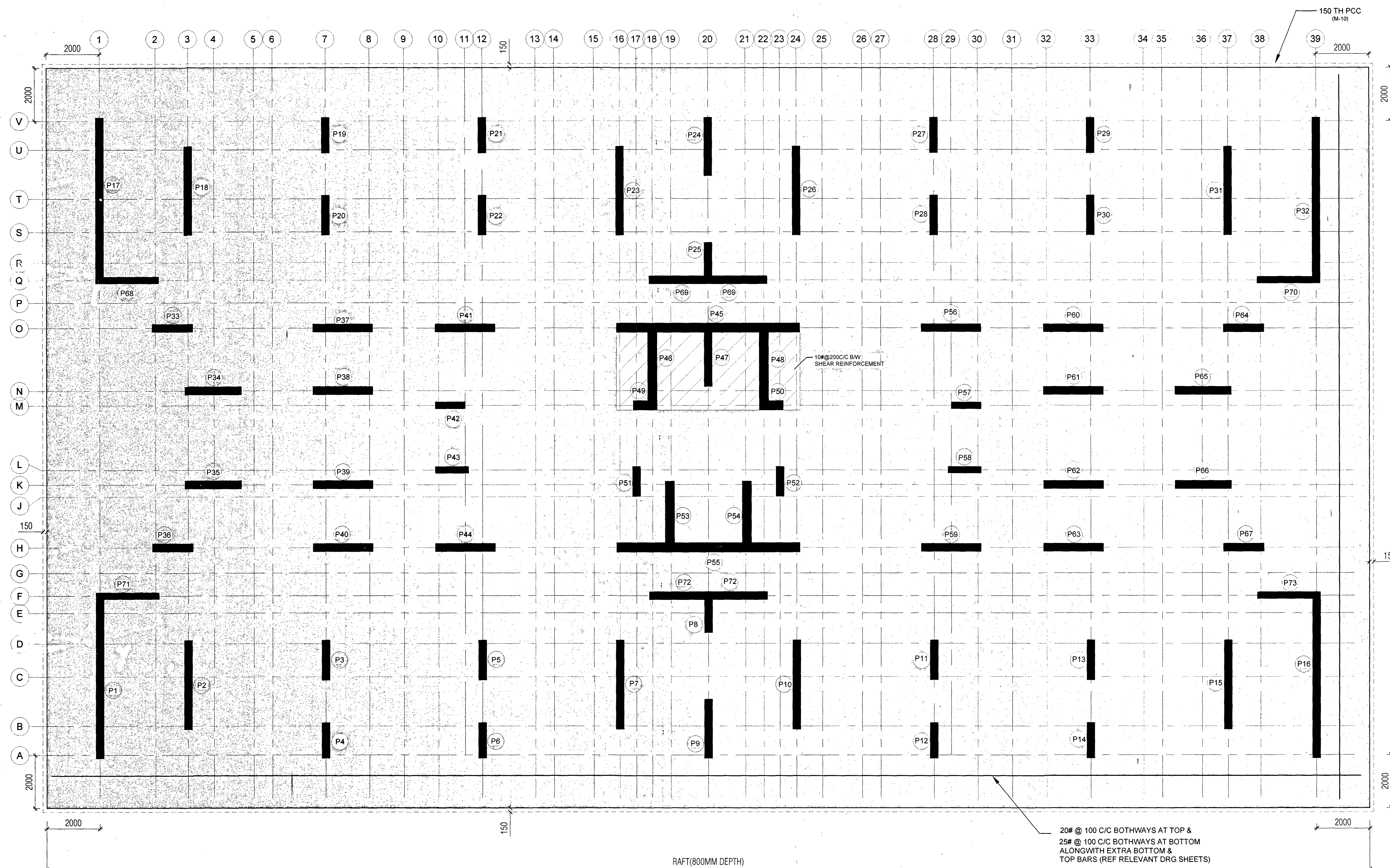
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranjit Singh		5 23
TCD	-		
CKD	-		
SCALE	AS SHOWN		
REF DRG NO: WD /S/2026 / 01			

(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

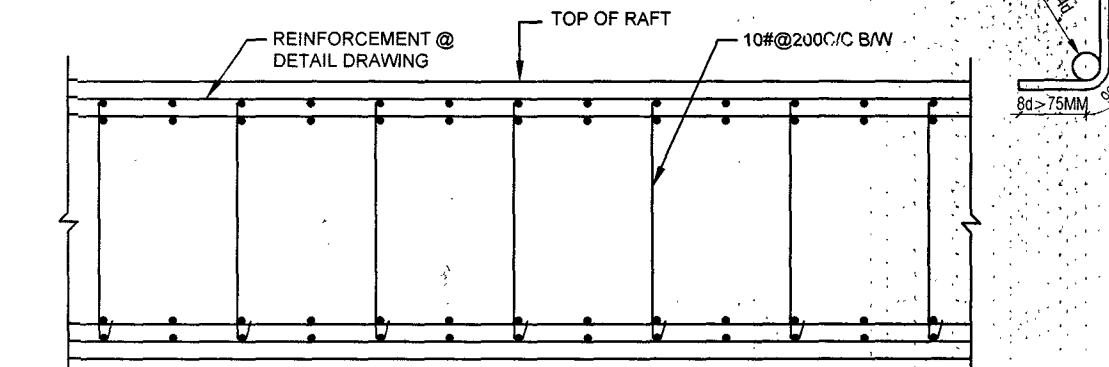
(PRATEEK KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY

NOTES:-

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4. FOR STRUCTURAL GENERAL NOTES AND STANDARD TYPICAL DETAILS REFER SHEET NO. 1/23 TO 5/23.
5. USE M-35 GRADE OF CONCRETE FOR ALL STRUCTURAL MEMBERS.
6. FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS.



GENERAL LAYOUT OF RAFT FOUNDATION & SHEAR WALL



TYPICAL DETAIL OF SHEAR REINFORCEMENT

SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			

PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)

GENERAL LAYOUT OF RAFT FOUNDATION & SHEAR WALL

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NO SUBMITTAL		6 23
TCD	-		
CKD	-		
SCALE	AS SHOWN		
REF DRG NO: WD / S/2026 / 01			

(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRADEEP KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY

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SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

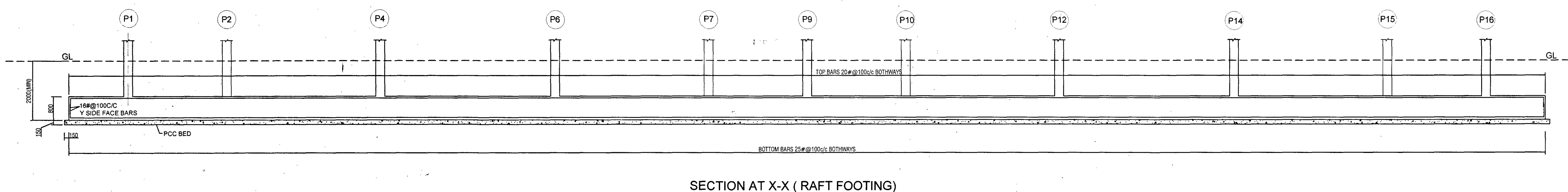
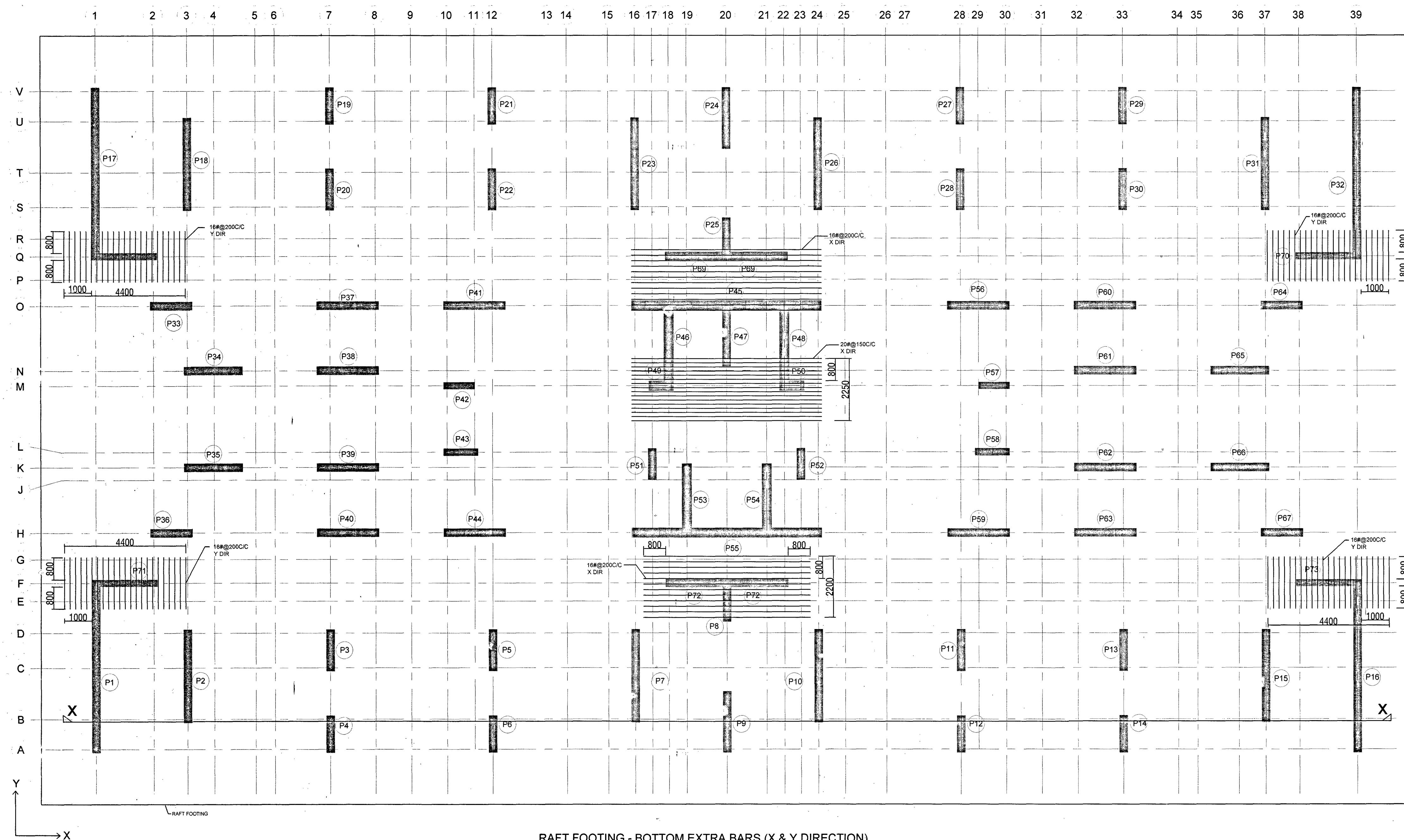
PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs).

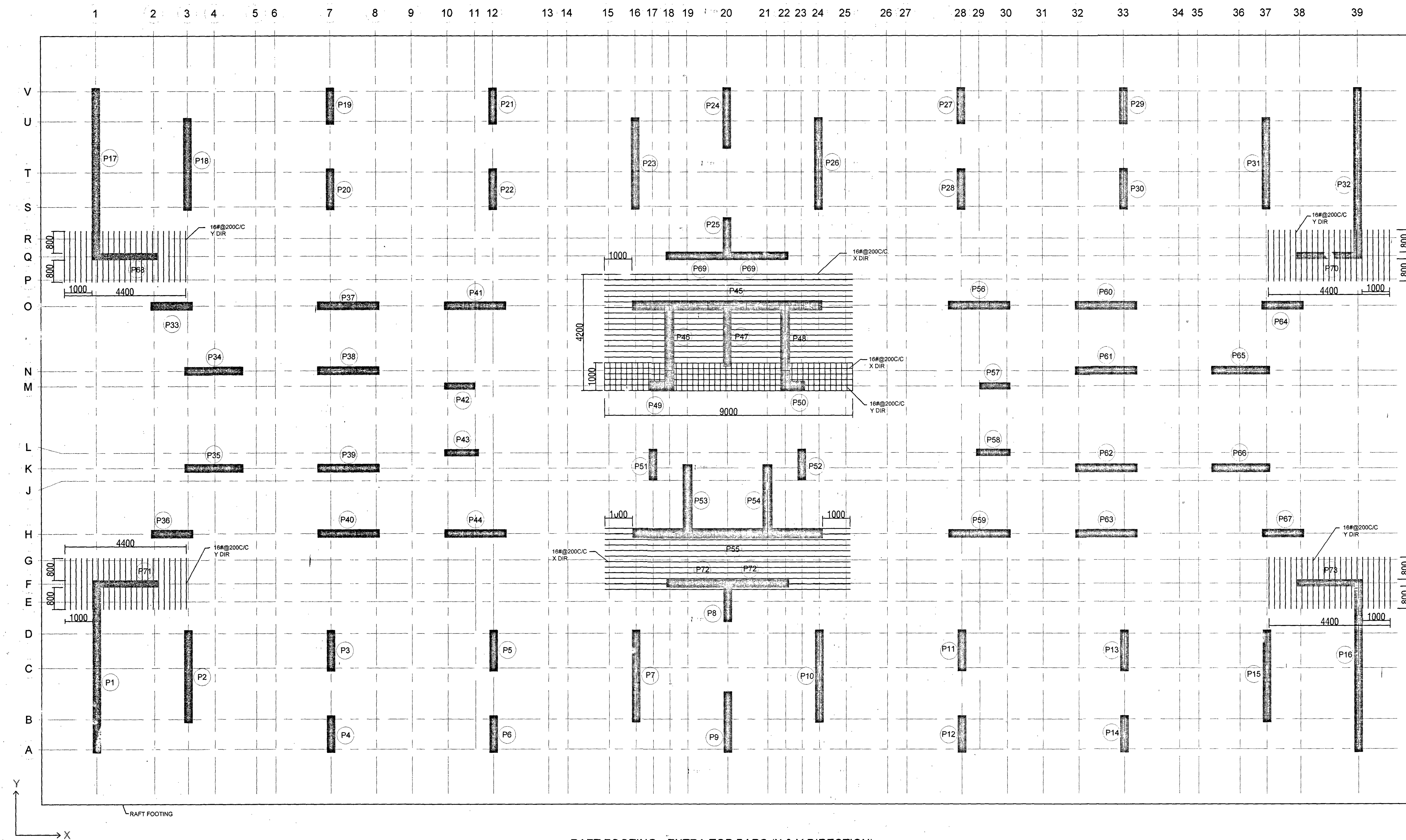
RAFT FOOTING - SHOWING EXTRA BOTTOM BARS &
SECTION AT X-X

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranjit Singh		7
TCD	-		23
CKD	-		
SCALE	AS SHOWN		
REF DRG NO: WD / S/2026 / 01			

Raghu
(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

Prateek
(PRATEEK KUMAR, IDSE)
SE
DR (DESIGN)
FOR CHIEF ENGINEER NAVY




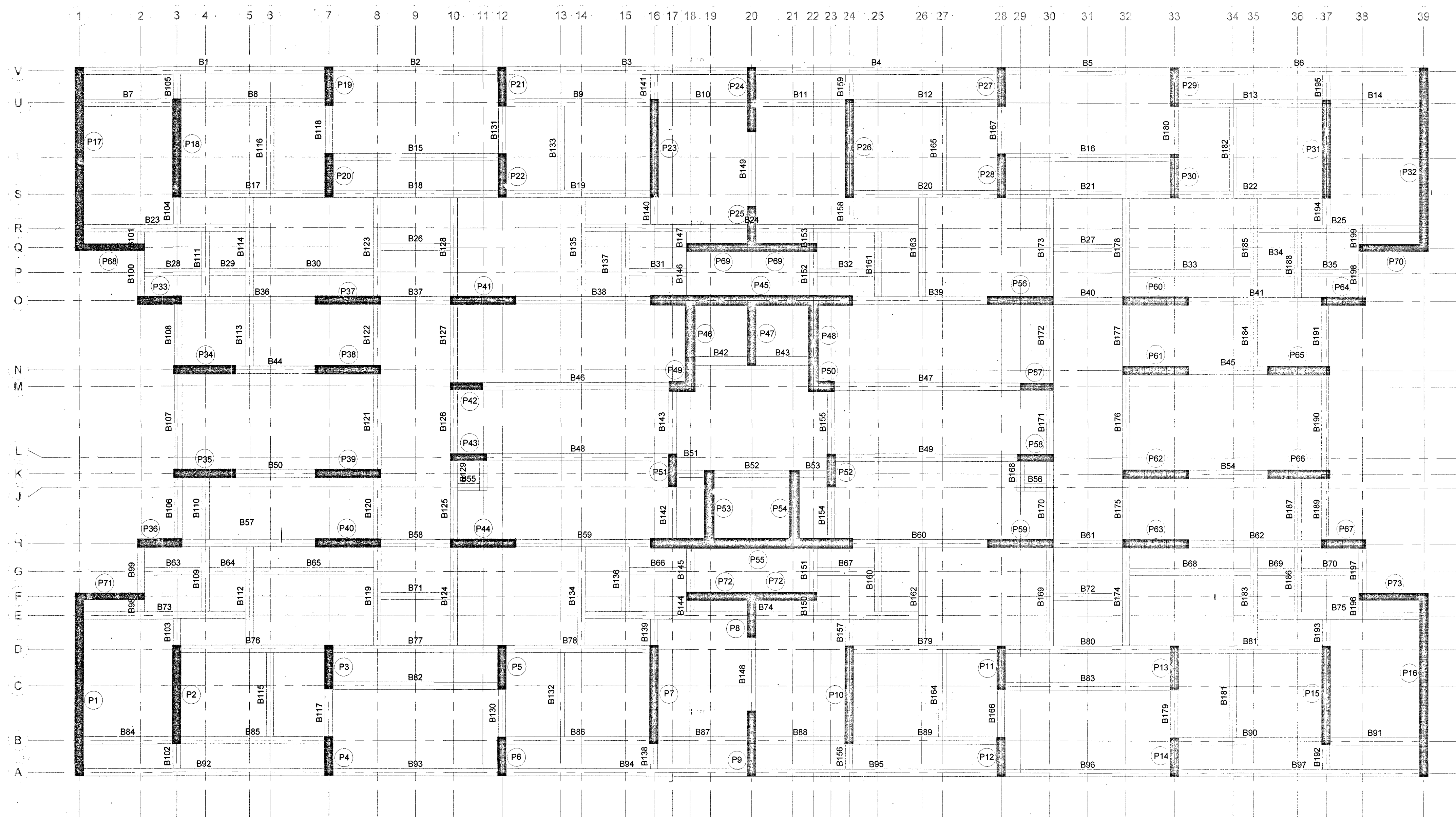


- NOTES:-
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 5. USE M-35 GRADE OF CONCRETE FOR ALL STRUCTURAL MEMBERS.
 6. FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS.

SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (Pos & BELOW) AT PORBANDAR (48 DUs)			
RAFT FOOTING - SHOWING EXTRA TOP BARS			
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranjit Singh		8
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	


(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY


(PRATEEK KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY



STRUCTURAL PLINTH LEVEL PLAN

NOTES:-


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SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			

PROVN OF DEFICIENT MD ACCN FOR SAILORS
(Pos & BELOW) AT PORBANDAR (48 DUs)

STRUCTURAL PLINTH LEVEL PLAN - SHOWING
SHEAR WALLS AND BEAMS.

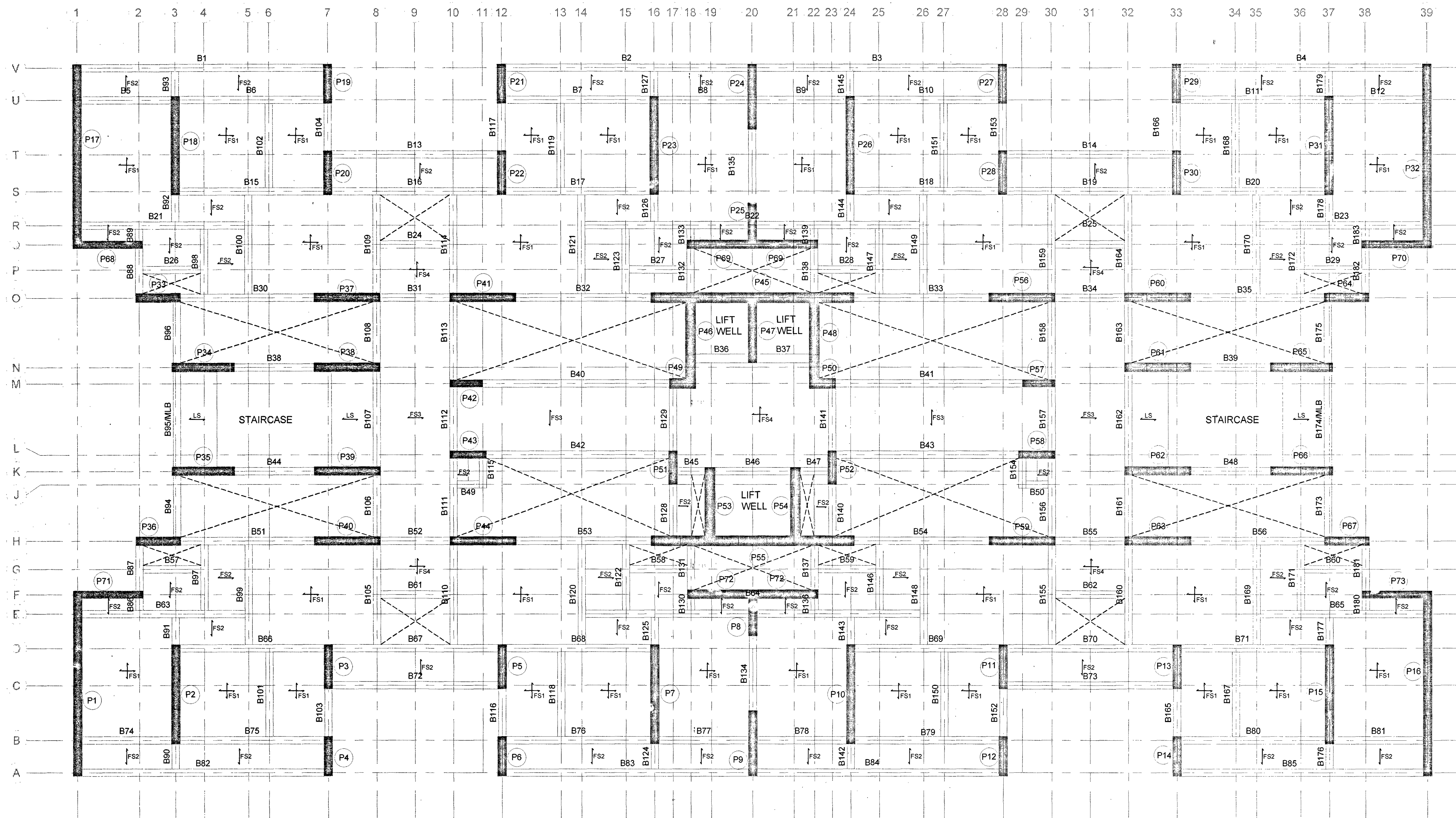
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	No Sub Rajit Singh		9
TKD	-		23
CKD	-		
SCALE	AS SHOWN		
REF DRG NO: WD / S/2026 / 01			


(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY


(PRATEEK KUMAR IDSE)
SE
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

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STRUCTURAL TYPICAL PLAN FOR 1ST FLOOR TO 6TH FLOOR

SCHEDULE OF SLAB												
Sl. No	DESIGNATION	THICKNESS	TYPE OF SLAB	MAIN REINFORCEMENT				EXTRA REINFORCEMENT AT TOP AT DISCONTINUOUS SUPPORTS EXTENDED UP TO 0.3L OVER SPAN.				REMARKS
				BOTTOM BARS (ALTERNATE CRANKED UP & TAKEN UP TO 0.3L OF ADJ SPAN)								
				ALONG SHORT SPAN		ALONG LONG SPAN		ALONG SHORT SPAN		ALONG LONG SPAN		
				DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	
				mm	mm	mm	mm	mm	mm	mm	mm	
1	FS1	150	Two	10#	200 C/C	10#	200 C/C	10#	400 C/C	10#	400 C/C	
2	FS2	150	One	10#	200 C/C	10#	200 C/C	10#	220 C/C	—	—	
3	FS3	180	One	10#	150 C/C	10#	150 C/C	10#	400 C/C	10#	400 C/C	
4	FS4	180	Two	10#	150 C/C	10#	150 C/C	10#	400 C/C	10#	400 C/C	
5	LS			REFER STAIRCASE DETAILS								LANDING SLAB

SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

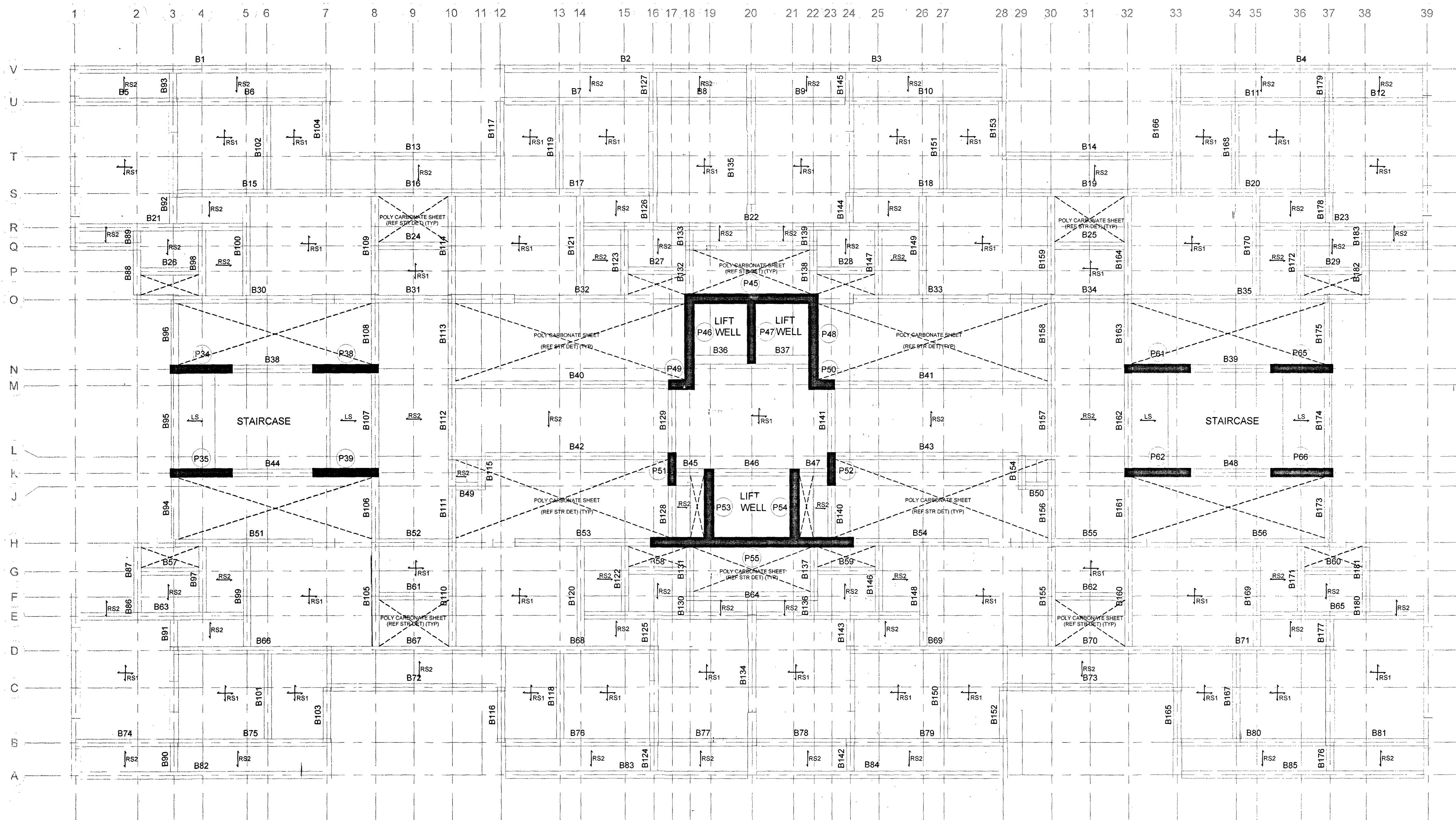
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs).

STRUCTURAL TYPICAL PLAN FOR 1ST FLOOR TO 6TH FLOOR - SHOWING SHEAR WALLS AND BEAMS.

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranjit Singh		10
TCD	-		2
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	

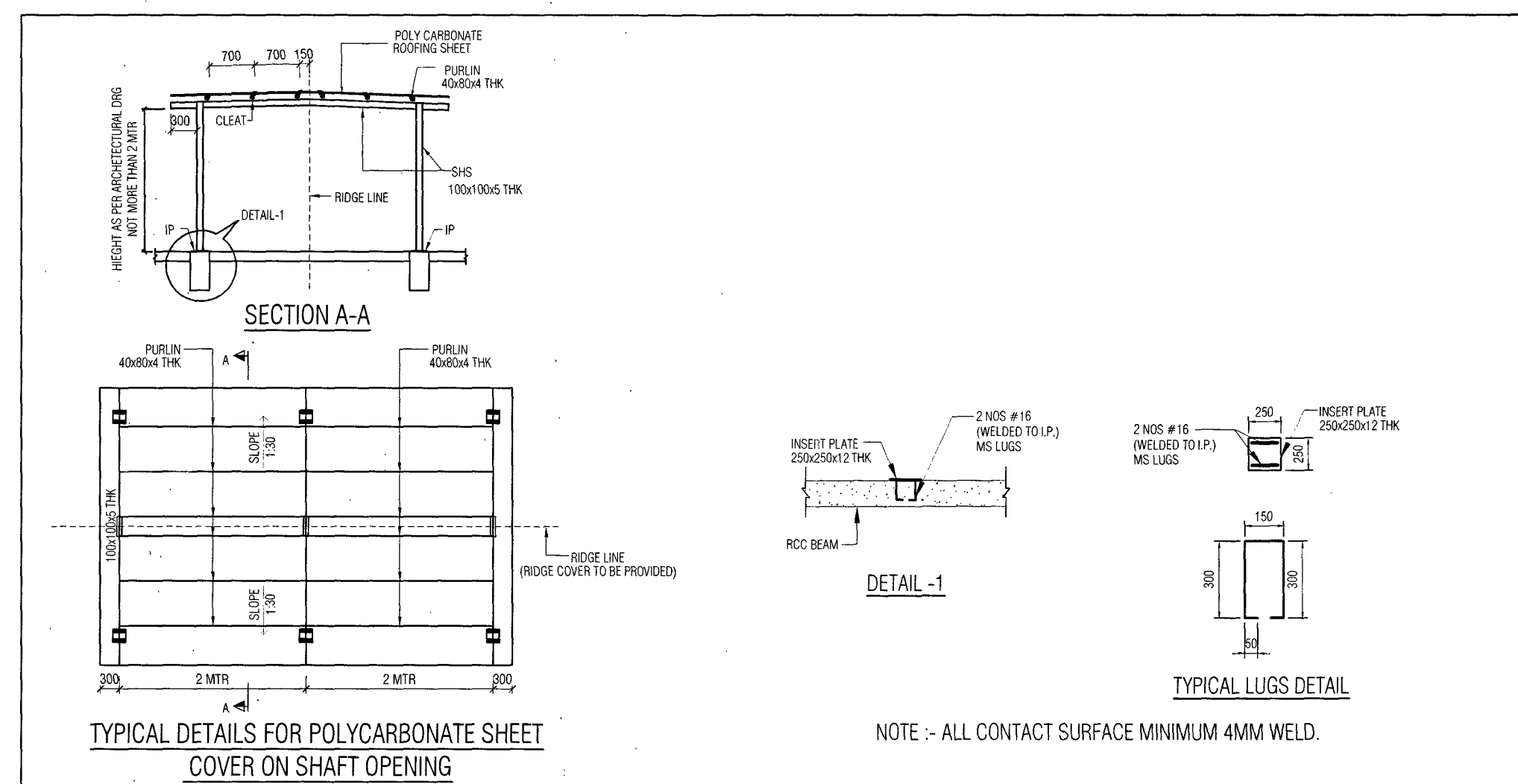
(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRATEEK KUMAR, CSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY



STRUCTURAL PLAN OF ROOF LEVEL

SCHEDULE OF ROOF SLAB												
SL No	DESIGNATION	THICKNESS	TYPE OF SLAB	MAIN REINFORCEMENT				EXTRA REINFORCEMENT AT TOP AT DISCONTINUOUS SUPPORTS EXTENDED UP TO 0.3L OVER SPAN.				REMARKS
				BOTTOM BARS (ALTERNATE CRANKED UP & TAKEN UP TO 0.3L OF ADJ SPAN)								
				ALONG SHORT SPAN		ALONG LONG SPAN		ALONG SHORT SPAN		ALONG LONG SPAN		
				DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	
				mm	mm	mm	mm	mm	mm	mm	mm	
1	RS1	150	Two	10#	200 C/C	10#	200 C/C	10#	400 C/C	10#	400 C/C	
2	RS2	150	One	10#	200 C/C	10#	200 C/C	10#	220 C/C	—	—	



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SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs).

STRUCTURAL PLAN OF ROOF - SHOWING SHEAR WALLS, BEAMS & SLABS.

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NO SUB RANJIT SINGH		11. 23
TKD	-		
CKD	-		
SCALE	AS SHOWN		
REF DRG NO: WD / S/2026 / 01			

(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

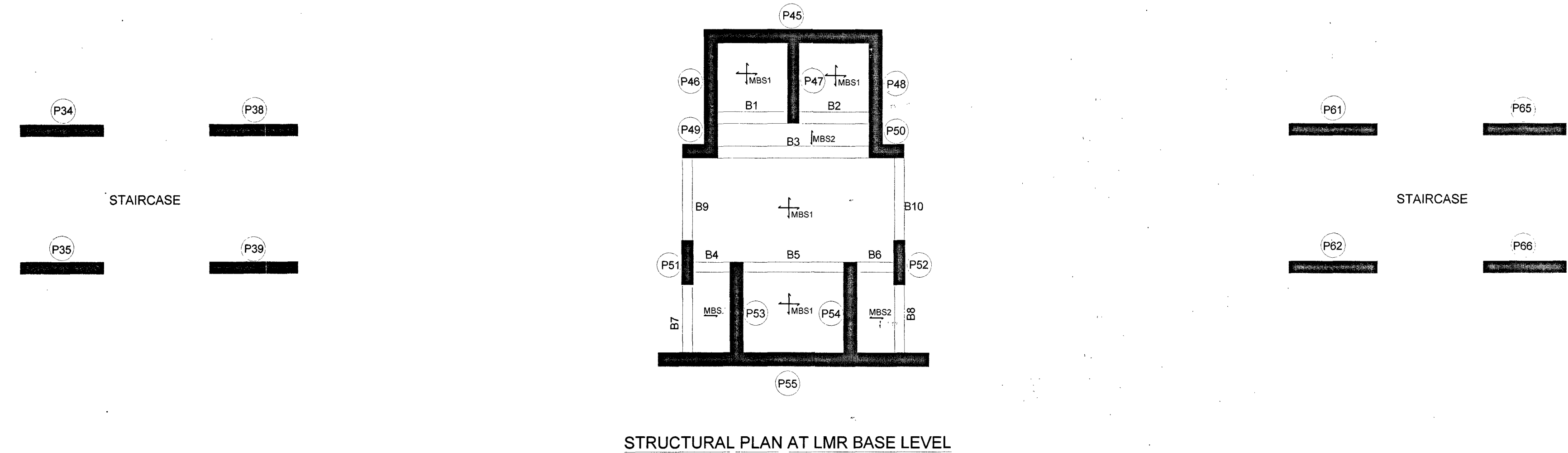
(PRATEEK KUMAR, IDSE)
SE
DIP (DESIGN)
FOR CHIEF ENGINEER NAVY


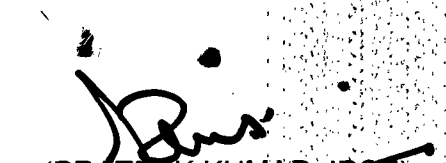
SLAB SCHEDULE AT LMR BASE LEVEL												
Sl No	DESIGNATION	THICKNESS	TYPE OF SLAB	MAIN REINFORCEMENT				EXTRA REINFORCEMENT AT TOP AT DISCONTINUOUS SUPPORTS EXTENDED UP TO 0.3L OVER SPAN.				REMARKS
				BOTTOM BARS (ALTERNATE CRANKED UP & TAKEN UP TO 0.3L OF ADJ SPAN)								
				ALONG SHORT SPAN		ALONG LONG SPAN		ALONG SHORT SPAN		ALONG LONG SPAN		
				DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	
				mm	mm	mm	mm	mm	mm	mm	mm	
1	MBS1	150	+	10#	150C/C	10#	150C/C	10#	300C/C	10#	300C/C	
2	MBS2	150	-	10#	150C/C	10#	150C/C	10#	300C/C	-	-	

- NOTES:-
- THIS DRAWING SHALL BE READ IN CONJUCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATIONS AND SCHEDULE OF ITEMS
 - ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
 - ALL ROOM DIMENSIONS, CENTRE LINE DIMENSIONS SHALL BE SET AS PER ARCHITECTURAL DRGS.
 - FOR STRUCTURAL GENERAL NOTES AND STANDARD TYPICAL DETAILS, REFER SHEET NO. 1/23 TO 5/23.
 - USE M-35 GRADE OF CONCRETE FOR ALL STRUCTURAL MEMBERS
 - FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS

BEAM SCHEDULE AT LMR BASE LEVEL

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR (EVF)	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT		
B1	300	750	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B2	300	750	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B3	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C	-	-
B4	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B5	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B6	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B7	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B8	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B9	250	450	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T12	2-T20 +2-T12	2-T20 +2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C	-	-
B10	250	450	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T12	2-T20 +2-T12	2-T20 +2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C	-	-

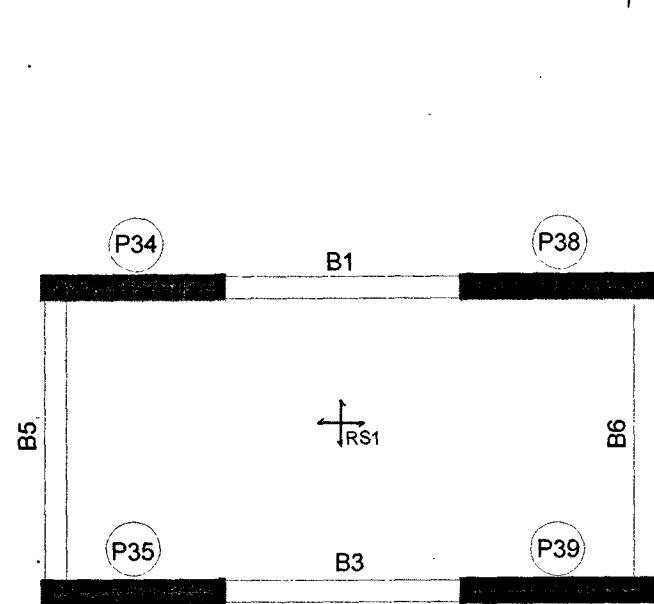


SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs).			
STRUCTURAL PLAN OF LMR BASE SLAB - SHOWING SHEAR WALLS, BEAMS & SLABS.			
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranyit Singh		12
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2025 / 01	
 (RAGHAV PARASHAR) LT COL SOI (DESIGN) FOR CHIEF ENGINEER NAVY		 (PRATEEK KUMAR JAISE) SE DIR (DESIGN) FOR CHIEF ENGINEER NAVY	

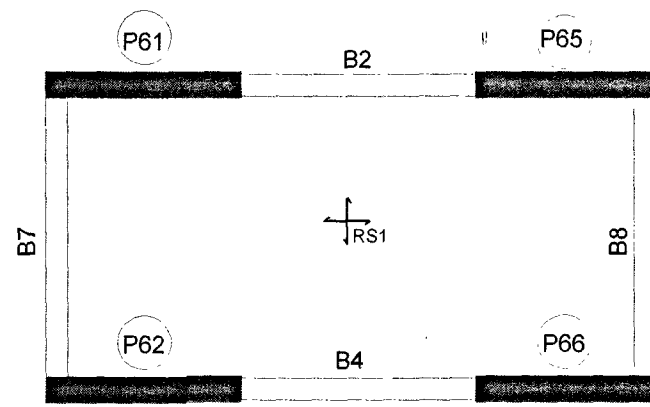
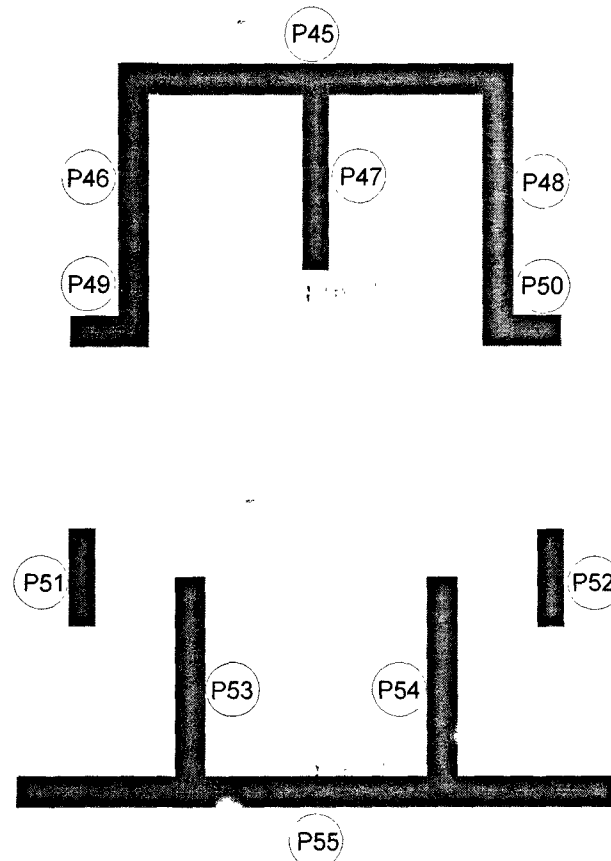
SLAB SCHEDULE AT MUMTY TOP LEVEL												
SL No	DESIGNATION	THICKNESS	TYPE OF SLAB	MAIN REINFORCEMENT†				EXTRA REINFORCEMENT AT TOP AT DISCONTINUOUS SUPPORTS EXTENDED UP TO 0.3L OVER SPAN.				REMARKS
				BOTTOM BARS (ALTERNATE CRANKED UP & TAKEN UP TO 0.3L OF ADJ SPAN)								
				ALONG SHORT SPAN		ALONG LONG SPAN		ALONG SHORT SPAN		ALONG LONG SPAN		
				DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	
				mm	mm	mm	mm	mm	mm	mm	mm	
1	RS1	150	+	10#	150C/C	10#	150C/C	10#	300C/C	10#	300C/C	

BEAM SCHEDULE AT MUMTY TOP LEVEL

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR (EIF)	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT		
B1	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@225C/C	2L-T10@75C/C	-	-
B2	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@250C/C	2L-T10@75C/C	-	-
B3	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@250C/C	2L-T10@75C/C	-	-
B4	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@250C/C	2L-T10@75C/C	-	-
B5	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C	-	-
B6	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C	-	-
B7	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C	-	-
B8	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C	-	-



STRUCTURAL PLAN OF MUMTY TOP LEVEL



STRUCTURAL PLAN OF MUMTY TOP LEVEL

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- USE M-35 GRADE OF CONCRETE FOR ALL STRUCTURAL MEMBERS.
- FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS.

SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs).

STRUCTURAL PLAN OF MUMTY TOP LEVEL- SHOWING SHEAR WALLS, BEAMS & SLABS.

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ravi Singh		13
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	

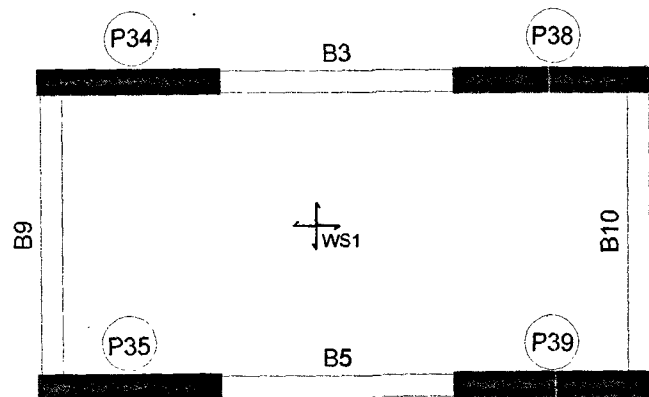
(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRATEEK KUMAR, DSE)
SE
DIP (DESIGN)
FOR CHIEF ENGINEER NAVY

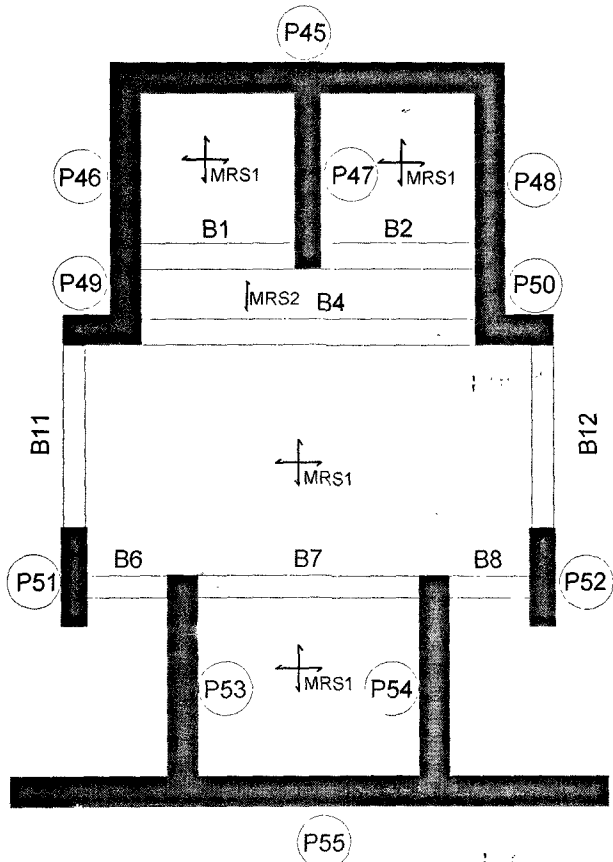
SLAB SCHEDULE AT WATER TANK BASE AND LMR TOP LEVEL												
SL No	DESIGNATION	THICKNESS	TYPE OF SLAB	MAIN REINFORCEMENT				EXTRA REINFORCEMENT AT TOP AT DISCONTINUOUS SUPPORTS EXTENDED UP TO 0.3L OVER SPAN.				REMARKS
				BOTTOM BARS (ALTERNATE CRANKED UP & TAKEN UP TO 0.3L OF ADJ SPAN)								
				ALONG SHORT SPAN		ALONG LONG SPAN		ALONG SHORT SPAN		ALONG LONG SPAN		
				DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	DIA	SPACING C/C	
				mm	mm	mm	mm	mm	mm	mm	mm	
1	MRS1	150	+	10#	150C/C	10#	150C/C	10#	250C/C	10#	250C/C	
2	MRS2	150	—	10#	150C/C	10#	150C/C	10#	300C/C	-	-	
3	WS1			AS PER DETAIL SHOWN IN DRG NO WD/S/2025/01 SHEET NO 21/23								

BEAM SCHEDULE AT WATER TANK BASE & LMR TOP LEVEL

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR (E/F)	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT		
B1	300	750	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B2	300	750	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B3	250	650	2-T16	2-T16	2-T16	2-T12 +2-T12	2-T12 +2-T12	2-T12 +2-T12	2L-T10@75C/C	2L-T10@225C/C	2L-T10@75C/C	-	-
B4	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C	-	-
B5	250	650	2-T16	2-T16	2-T16	2-T12 +2-T12	2-T12 +2-T12	2-T12 +2-T12	2L-T10@75C/C	2L-T10@225C/C	2L-T10@75C/C	-	-
B6	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B7	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B8	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C	-	-
B9	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C	-	-
B10	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C	-	-
B11	250	450	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T12	2-T20 +2-T12	2-T20 +2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C	-	-
B12	250	450	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T16	2-T20 +2-T12	2-T20 +2-T12	2-T20 +2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C	-	-



STRUCTURAL PLAN OF WATER TANK BASE LEVEL



STRUCTURAL PLAN OF LMR TOP LEVEL

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 - FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS.

SL. NO.	DATE	DESCRIPTION	SIGN.
REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)			
STRUCTURAL PLAN OF WATER TANK BASE AND LMR TOP LEVEL - SHOWING SHEAR WALLS, BEAMS & SLABS.			
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Rajjit Singh		14
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	
(RAGHAV PARASHAR) LT COL SOI (DESIGN) FOR CHIEF ENGINEER NAVY		(PRATEEK KUMAR, ID6E) SE DIR (DESIGN) FOR CHIEF ENGINEER NAVY	

BEAM SCHEDULE AT PLINTH LEVEL

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
B1,B3,B4,B6, B92,B94,B95,B97	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C
B2,B5,B93, B96	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B7,B10,B11,B14, B15,B16,B82,B83, B84,B87,B88,B91	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B8,B9,B12,B13, B85,B86,B89,B90	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B17,B18,B19,B20, B21,B22,B76,B77, B78,B79,B80,B81	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B23,B24,B25, B73,B74,B75	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B26,B27,B71,B72	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B28,B31,B32,B35, B63,B66,B67,B70	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@250C/C	2L-T10@275C/C	2L-T10@250C/C
B29,B34,B64,B69	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@175C/C	2L-T10@175C/C	2L-T10@175C/C
B30,B33,B65,B68	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B36,B41,B57,B62	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B37,B40,B58,B61	250	450	2-T12 +2-T12	2-T12 +2-T12	2-T12 +2-T12	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C
B38,B39,B59,B60	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B42,B43	300	750	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B44,B45,B46,B47, B48,B49,B50,B54	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B51,B52,B53	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B55,B56	250	350	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T10@225C/C	2L-T10@250C/C	2L-T10@225C/C

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
B98,B101,B144, B150,B153,B147, B196,B199	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B99,B100,B106, B108,B120,B122, B142,B145,B146, B148,B149, B151,B152,B154, B175,B177,B189, B191,B197,B198	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B102,B105,B138, B147,B156,B159, B192,B195	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@150C/C	2L-T10@150C/C	2L-T10@150C/C
B103,B139,157, B193	250	450	3-T10	3-T10	3-T10	3-T10 +2-T10	3-T10	3-T10	2L-T10@125C/C	2L-T10@150C/C	2L-T10@125C/C
B104,B140,B158, B194	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10 +2-T10	2L-T10@125C/C	2L-T10@150C/C	2L-T10@125C/C
B107,B121,B176 B190	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B109,B111,B136, B137,B180,B161 B186,B188	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@275C/C	2L-T10@300C/C	2L-T10@275C/C
B110,B187	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B112,B114,B134, B135,B162,B163, B183,B185	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@275C/C	2L-T10@300C/C	2L-T10@275C/C
B113,B184	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B115,B116,B132, B133,B164,B165 B181,B182	250	450	3-T10	3-T10	3-T10	3-T10	2-T12	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B117,B118,B130, B131,B166,B167, B179,B180	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B118,B123,B124, B125,B168,B173, B174,B178	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@225C/C	2L-T10@250C/C	2L-T10@225C/C
B125,B127,B170 B172	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@225C/C	2L-T10@250C/C	2L-T10@225C/C
B126,B171	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B129,B168	250	350	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T10@200C/C	2L-T10@225C/C	2L-T10@200C/C
B143,B155	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C

NOTES:-

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATIONS AND SCHEDULE OF ITEMS
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
- ALL ROOM DIMENSIONS, CENTRE LINE DIMENSIONS SHALL BE SET AS PER ARCHITECTURAL DRGS.
- FOR STRUCTURAL GENERAL NOTES AND STANDARD TYPICAL DETAILS, REFER SHEET NO. 1/23 TO 5/23.
- USE M-35 GRADE OF CONCRETE FOR ALL STRUCTURAL MEMBERS.
- FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS


SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs)

RCC SCHEDULE OF BEAMS - AT PLINTH LEVEL

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	Nb Sub Ranjit Singh		15
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	


(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY


(PRATEEK KUMAR JASE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY

BEAM SCHEDULE FOR FIRST TO SIXTH FLOOR

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
B1,B2,B3,B4,B82,B83,B84,B85	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C
B5,B6,B7,B8,B9,B10,B11,B12,B74,B75,B76,B77,B78,B79,B80,B81	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B13,B14,B72,B73	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B15,B18,B66,B69	250	650	2-T16	2-T16+2-T12	2-T16	2-T16	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B16,B19,B67,B70	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B17,B20,B68,B71	250	650	2-T16	2-T16+2-T12	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B21,B22,B23,B63,B64,B65	250	650	2-T16	2-T16	2-T16	2-T16	2-T12+2-T12	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B24,B25,B61,B62	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B26,B28,B57,B59	250	650	2-T16	2-T16	2-T16	2-T12	2-T12	2-T12+2-T10	2L-T10@250C/C	2L-T10@275C/C	2L-T10@250C/C
B27,B29,B58,B60	250	650	2-T16	2-T16	2-T16	2-T12+2-T10	2-T12	2-T12	2L-T10@250C/C	2L-T10@275C/C	2L-T10@250C/C
B30,B32,B33,B35,B51,B53,B54,B56	250	650	2-T16	2-T16	2-T16	2-T16+2-T16	2-T16	2-T16+2-T12	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B31,B34,B52,B55	250	450	2-T20	2-T20	2-T20	2-T16+2-T12	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C
B36,B37	300	750	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B38,B44	250	650	2-T16	2-T16	2-T16	2-T12+2-T12	2-T12+2-T12	2-T12+2-T12	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B39,B48	250	650	2-T16	2-T16	2-T16	2-T16+2-T12	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@250C/C	2L-T10@75C/C
B40	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B41	250	650	2-T16	2-T16	2-T16	2-T16+2-T12	2-T16	2-T16	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B42,B43	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B45,B46,B47	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B49,B50	250	350	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T10@225C/C	2L-T10@250C/C	2L-T10@225C/C
B86,B89,B130,B133,B136,B139,B180,B183	250	650	2-T16	2-T16	2-T16	2-T12+2-T12	2-T12+2-T12	2-T16+2-T12	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B87,B181	250	650	2-T16	2-T16	2-T16	2-T16+2-T12	2-T16	2-T16	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B88,B182	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B90,B176	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10+2-T10	2L-T10@125C/C	2L-T10@125C/C	2L-T10@125C/C
MLB	350	900	4-T16	4-T16	4-T16	4-T16	4-T16	4-T16	4L-T10@75C/C	4L-T10@75C/C	4L-T10@75C/C

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
B91,B177	250	450	2-T16	2-T16	2-T16	2-T16+2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B92,B178	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16+2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B93,B179	250	450	3-T10	3-T10	3-T10	3-T10+3-T10	3-T10	3-T10	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B94,B96,B106,B108,B128,B140,B161,B163,B173,B175	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B95,B107,B162,B174	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B97,B98,B122,B123,B146,B147,B171,B172	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@275C/C	2L-T10@300C/C	2L-T10@275C/C
B99,B100,B120,B121,B148,B149,B169,B170	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@275C/C	2L-T10@300C/C	2L-T10@275C/C
B101,B102,B118,B119,B150,B151,B167,B168	250	450	3-T10	3-T10	3-T10	3-T10	2-T12	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B103,B116,B152,B165	250	450	2-T20	2-T20	2-T20	2-T16+2-T12	2-T16	2-T16	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B104,BB117,B153,B66	250	450	2-T20	2-T20	2-T20	2-T16	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B105,B109,B160,B164	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@250C/C	2L-T10@275C/C	2L-T10@250C/C
B110,B155	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T12+2-T12	2L-T10@225C/C	2L-T10@250C/C	2L-T10@225C/C
B111,B113,B156,B158	250	650	2-T16	2-T16	2-T16	2-T12+2-T12	2-T12+2-T12	2-T12+2-T12	2L-T10@150C/C	2L-T10@175C/C	2L-T10@150C/C
B112,B157	250	650	2-T16	2-T16	2-T16	2-T12+2-T12	2-T16	2-T12+2-T12	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B114,B159	250	650	2-T16	2-T16	2-T16	2-T12+2-T12	2-T16	2-T16	2L-T10@225C/C	2L-T10@250C/C	2L-T10@225C/C
B115,B154	250	350	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T10@200C/C	2L-T10@225C/C	2L-T10@200C/C
B124,B127,B142,B145	250	450	3-T10	3-T10	3-T10	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@125C/C	2L-T10@100C/C
B125,B143	250	450	2-T16	2-T16	2-T16	2-T20+2-T12	2-T20	2-T20	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B126,B144	250	450	2-T16	2-T16	2-T16	2-T20	2-T20	2-T20+2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B129,B141	250	450	2-T20	2-T20	2-T20	2-T16+2-T12	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C
B131,B137	250	650	2-T12+2-T12	2-T12+2-T12	2-T12+2-T12	2-T16+2-T12	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B132,B138	250	650	2-T20	2-T20	2-T20	2-T16+2-T12	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B134	250	650	2-T12+2-T12	2-T12+2-T12	2-T12+2-T12	2-T16+2-T12	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B135	250	650	2-T12+2-T12	2-T12+2-T12	2-T12+2-T12	2-T16+2-T12	2-T16	2-T16+2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C

NOTES:-

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- ALL ROOM DIMENSIONS, CENTRE LINE DIMENSIONS SHALL BE SET AS PER ARCHITECTURAL DRGS.
- FOR STRUCTURAL GENERAL NOTES AND STANDARD TYPICAL DETAILS, REFER SHEET NO.1/23 TO 5/23.
- USE M-35 GRADE OF CONCRETE FOR ALL STRUCTURAL MEMBERS.
- FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS.

SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUs)

RCC SCHEDULE OF BEAMS - FIRST FLOOR TO SIXTH FLOOR

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	No Sub Rajit Singh		16
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	

(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRATEEK KUMAR, IDSE)
SE
MR (DESIGN)
FOR CHIEF ENGINEER NAVY

BEAM SCHEDULE AT ROOF LEVEL

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
B1,B2,B3,B4, B82,B83,B84,B85	250	450	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C
B5,B6,B7,B8, B9,B10,B11,B12, B13,B14,B17,B18, B74,B75,B76,B77, B78,B79,B80,B81	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B15,B17,B18,B20 B66,B68,B69,B71	250	650	2-T16	2-T16 +2-T12	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B16,B19,B67,B70	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B21,B22,B23, B63,B64,B65	250	650	2-T16	2-T16	2-T16	2-T16	2-T16 +2-T10	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B24,B25,B61,B62	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B26,B27,B28,B29, B57,B58,B59,B60	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@250C/C	2L-T10@275C/C	2L-T10@250C/C
B30,B35,B51,B56	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@275C/C	2L-T10@75C/C
B31,B34,B52,B55	250	450	2-T20	2-T20	2-T20	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@175C/C	2L-T10@75C/C
B32,B33,B53,B54	250	650	2-T12 +2-T12	2-T12 +2-T12	2-T12 +2-T12	2-T20	2-T20	2-T20 +2-T12	2L-T10@75C/C	2L-T10@250C/C	2L-T10@75C/C
B36,B37	300	750	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B38,B39,B44,B48	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@250C/C	2L-T10@75C/C
B40,B41,B42,B43	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16 +2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B45,B46,B47	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B49,B50	250	350	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T10@225C/C	2L-T10@250C/C	2L-T10@225C/C
B86,B130,B136,B180	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B87,B181	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B88,B182	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B89,B133,B139,B183	250	650	2-T16	2-T16	2-T16	2-T16 +2-T12	2-T16	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B90,B93,B124,B127 B142,B145,B176,B179	250	450	3-T10	3-T10	3-T10	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C

BEAM No	SIZES		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
B91,B125,B143 B177	250	450	2-T12 +2-T12	2-T12 +2-T12	2-T12 +2-T12	2-T16 +2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B92,B126,B144, B178	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10 +2-T10	2L-T10@150C/C	2L-T10@150C/C	2L-T10@150C/C
B93,B127,B145, B179	250	450	3-T10	3-T10	3-T10	3-T10 +2-T10	3-T10	3-T10	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B94,B96,B106, B108,B161,B163, B173,B175	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
B95,B107,B162, B174	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@275C/C	2L-T10@100C/C
B97,B98,B122, B123,B146,B147, B171,B172	250	450	3-T10	3-T10	3-T10	3-T10	3-T10	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B99,B100,B120, B121,B148,B149, B169,B170	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B101,B102,B118, B119,B150,B151, B167,B168	250	450	3-T10	3-T10	3-T10	3-T10	2-T12	3-T10	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B103,B116,B152, B165	250	450	2-T20	2-T20	2-T20	2-T16 +2-T16	2-T16	2-T16	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B104,B117,B153, B166	250	450	2-T20	2-T20	2-T20	2-T16	2-T16	2-T16 +2-T16	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C
B105,B109,B160, B164	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@250C/C	2L-T10@275C/C	2L-T10@250C/C
B110,B155	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16 +2-T16	2L-T10@175C/C	2L-T10@200C/C	2L-T10@175C/C
B111,B156	250	650	2-T16	2-T16	2-T16	2-T16 +2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@125C/C	2L-T10@100C/C
B112,B157	250	650	3-T10 +3-T10	3-T10 +3-T10	3-T10 +2-T10	2-T16	2-T16	2-T16	2L-T10@300C/C	2L-T10@300C/C	2L-T10@300C/C
B113,B158	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16 +2-T16	2L-T10@125C/C	2L-T10@125C/C	2L-T10@125C/C
B114,B159	250	650	2-T16	2-T16	2-T16	2-T16 +2-T16	2-T16	2-T16	2L-T10@175C/C	2L-T10@200C/C	2L-T10@175C/C
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B128,B140	250	650	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T10@100C/C	2L-T10@100C/C	2L-T10@100C/C
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B134,B135	250	650	2-T12 +2-T12	2-T12 +2-T12	2-T12 +2-T12	2-T16 +2-T12	2-T16	2-T16 +2-T12	2L-T10@75C/C	2L-T10@75C/C	2L-T10@75C/C

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- USE M-35 GRADE OF CONCRETE FOR ALL STRUCTURAL MEMBERS.
- FE 500 CRS STEEL TO BE USED FOR ALL REINFORCEMENTS.


SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs)

RCC SCHEDULE OF BEAMS - ROOF LEVEL

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	Nb Sub Ranjit Singh		17
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	


(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY


(PRATEEK KUMAR, DSE)
SE
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

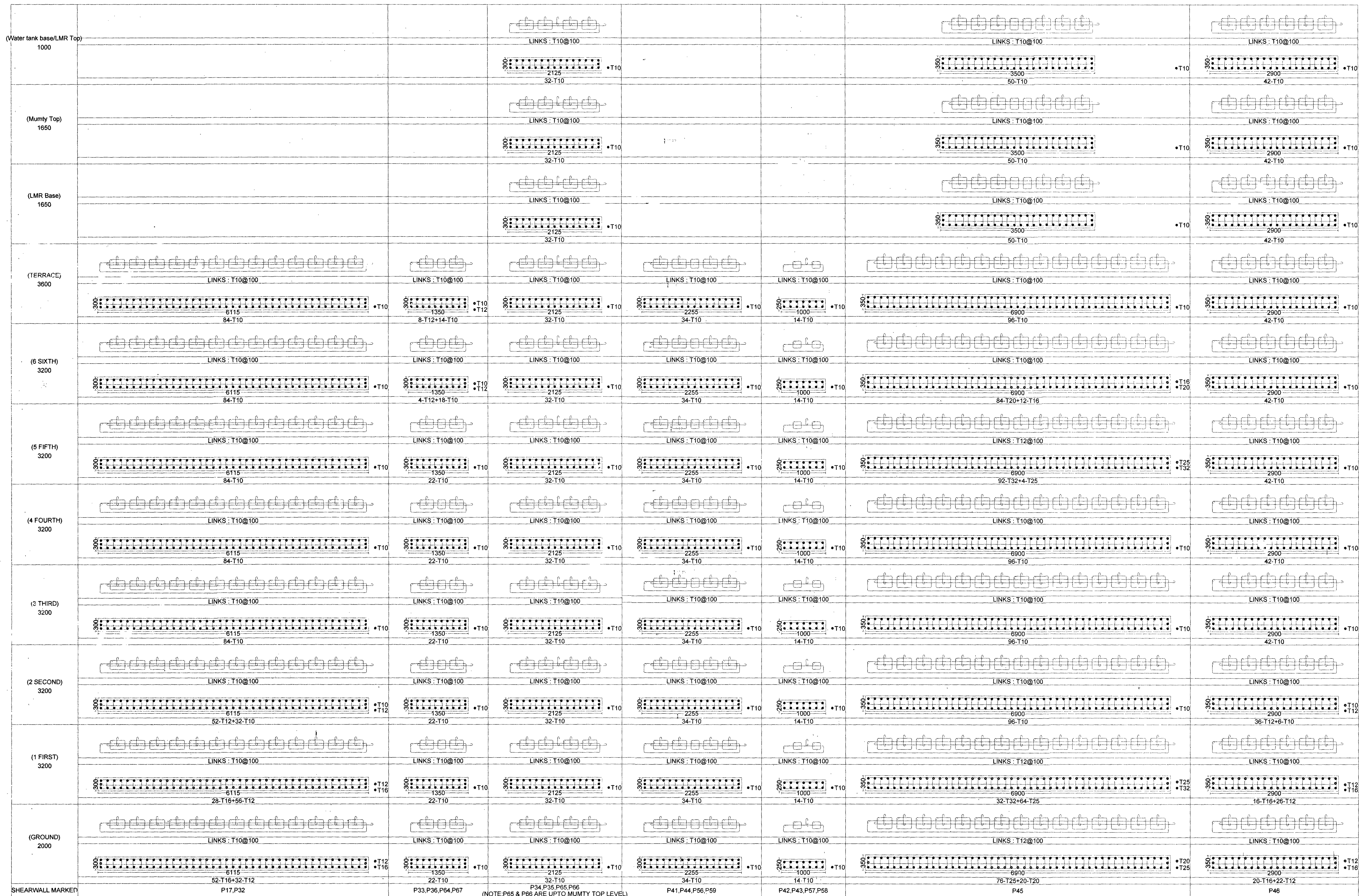
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PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs).

DATE	23 MAR 2026	<div>CHIEF ENGINEER (NAVY) MUMBAI</div>	SHEET NO.
DRN	NbSub Ranjit Singh		18
TCD	-		23
CKD	-		
SCALE	AS SHOWN		
REF DRG NO: WD / S/2026 / 01			

~~(PRATEEK KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY~~



DETAILS OF SHEAR WALL

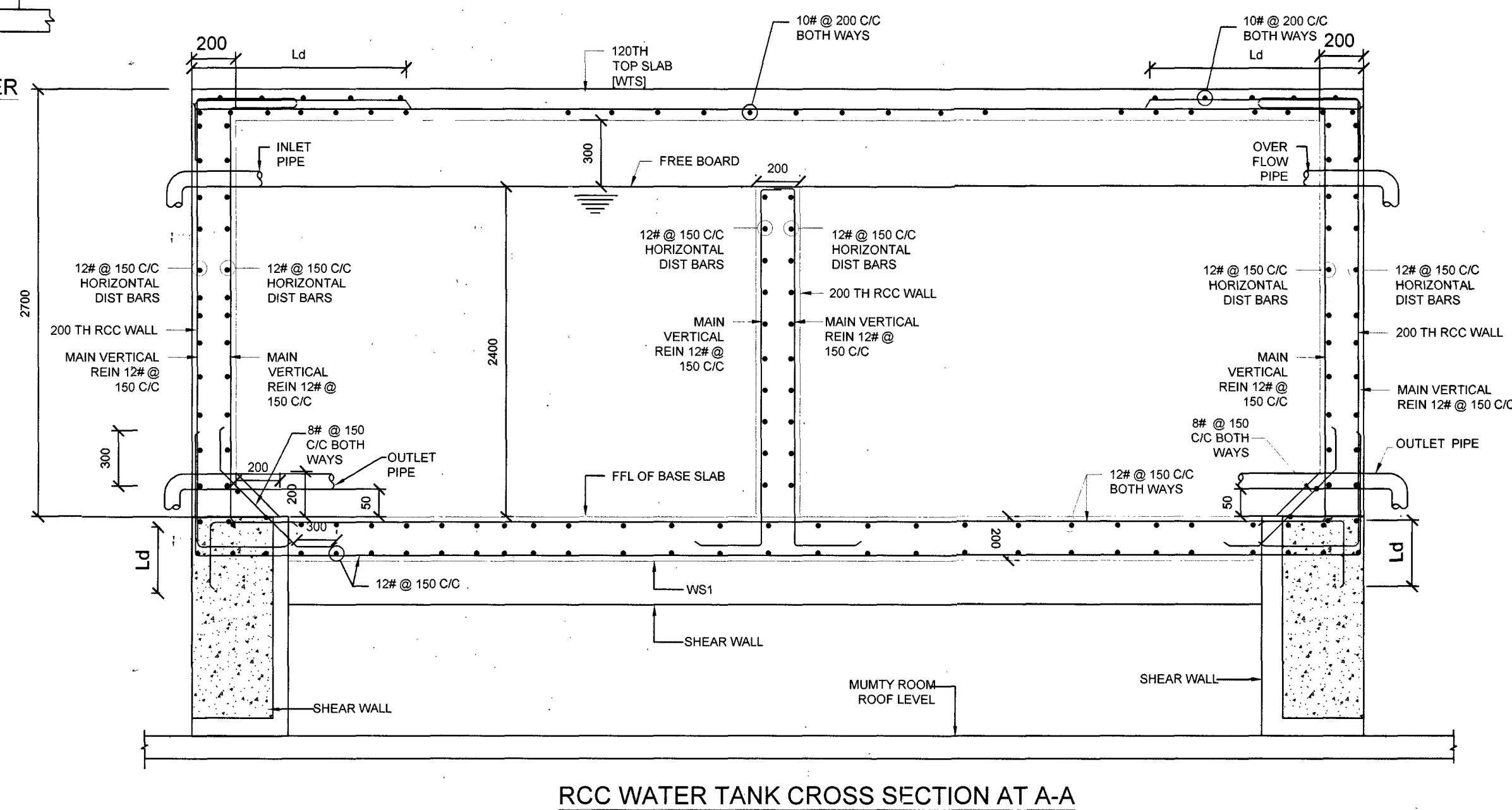
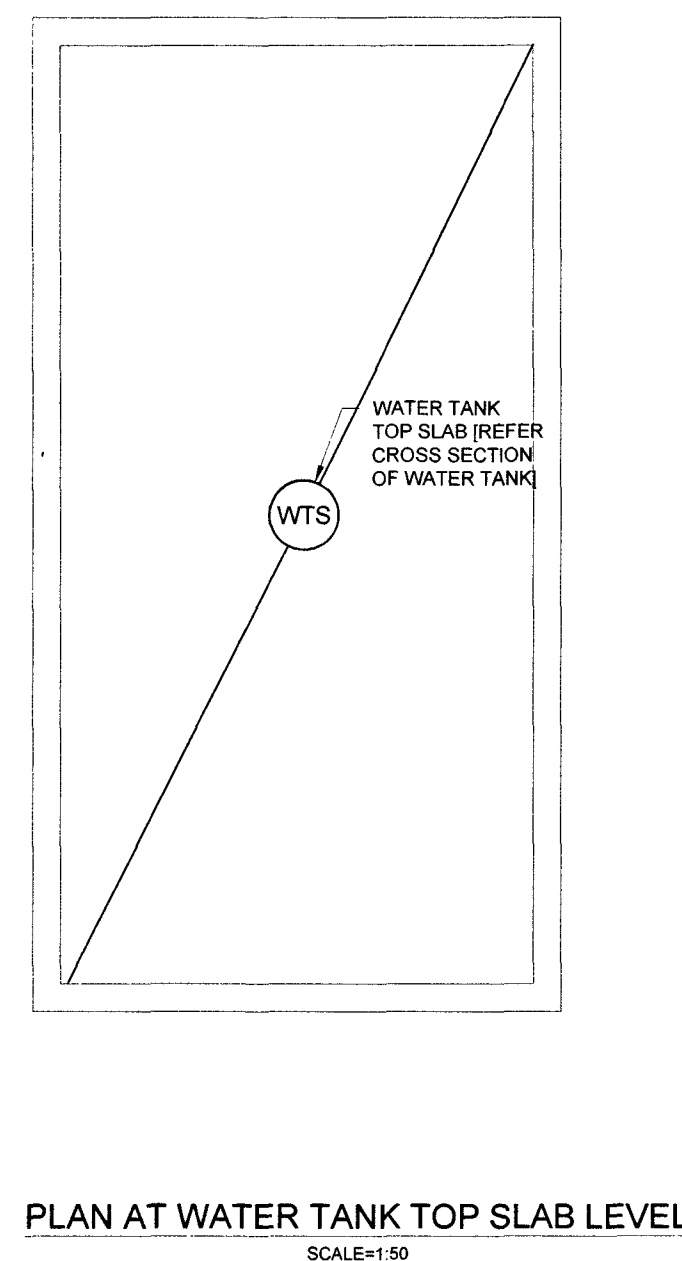
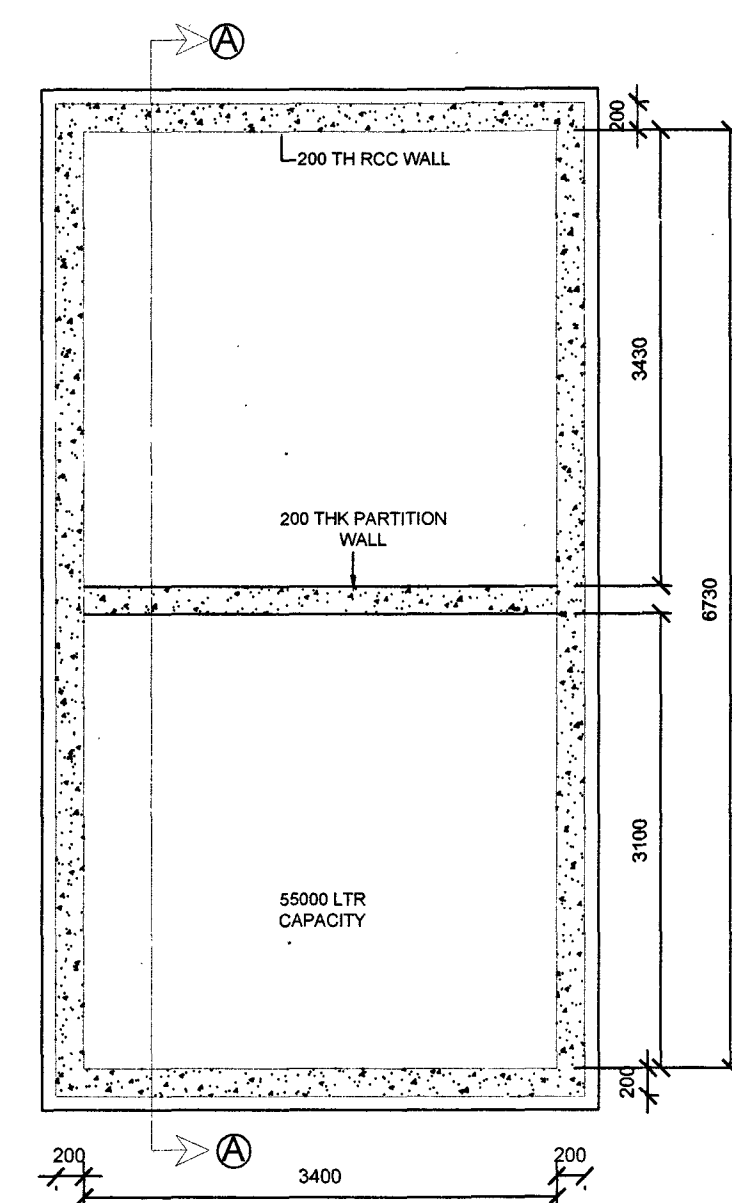
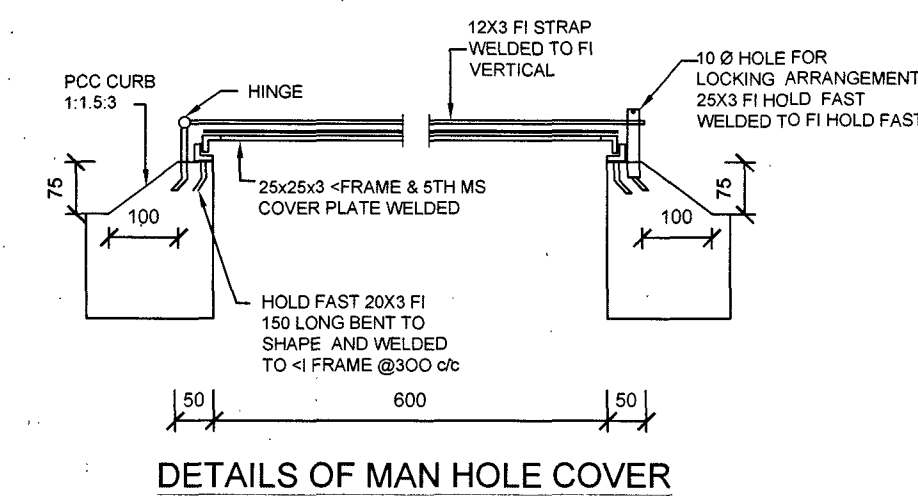
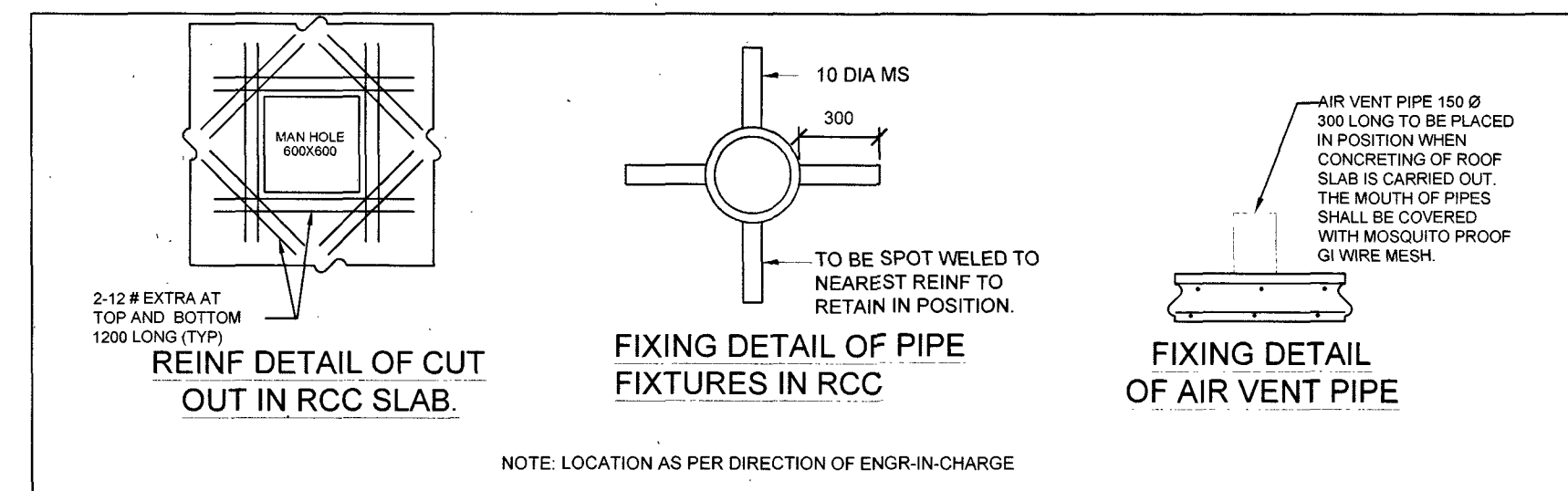
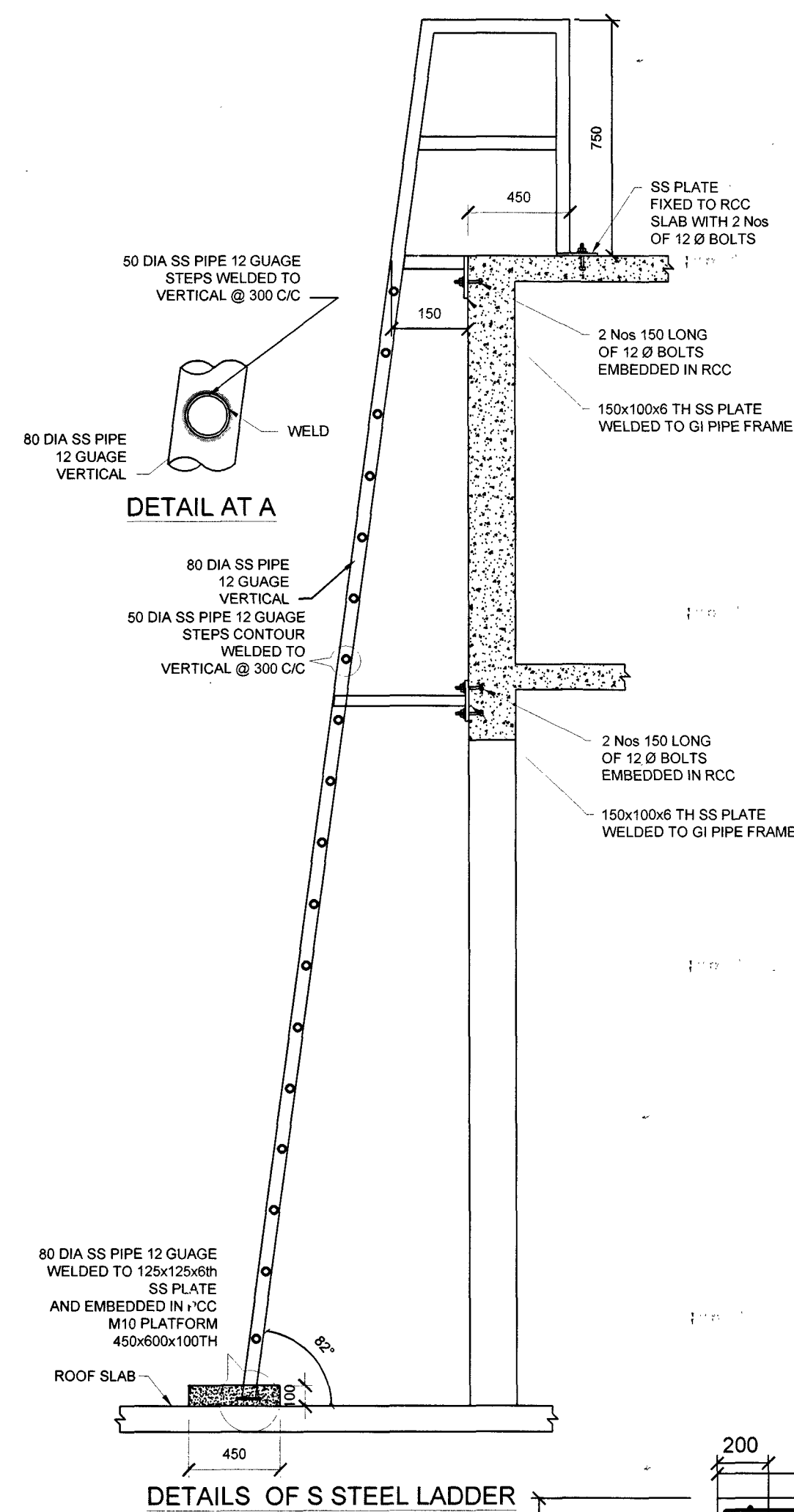
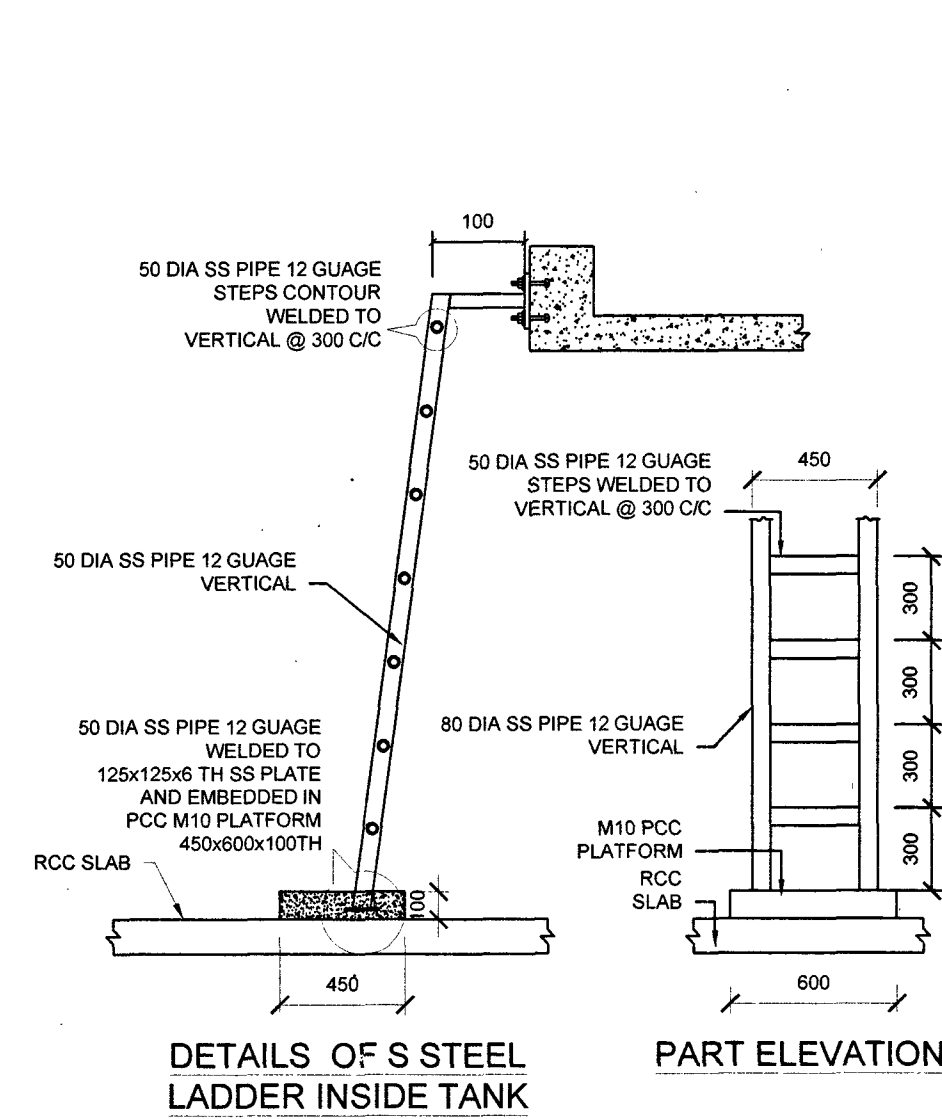
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REVISION			
PROVN OF DEFICIENT MD ACCN FOR SAILORS (POs & BELOW) AT PORBANDAR (48 DUS)			
DETAILS OF SHEAR WALL			
DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NbSub Ranjit Singh		19
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	

(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRATEEK KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY



NOTES:-


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SL. NO.	DATE	DESCRIPTION	SIGN
REVISION			

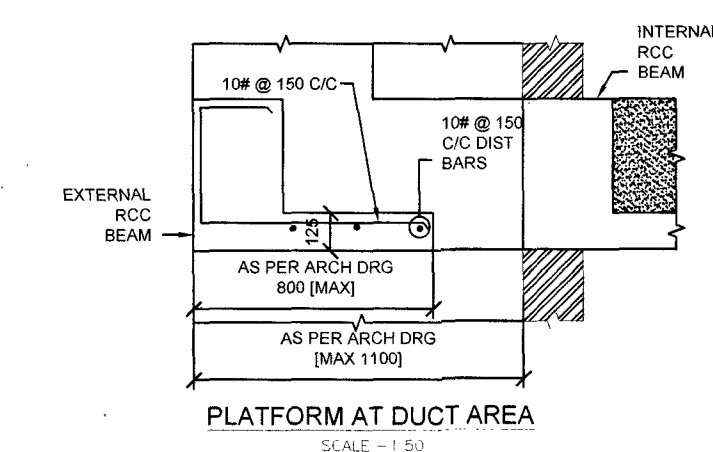
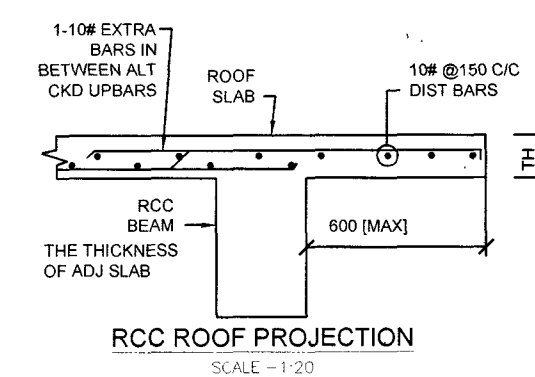
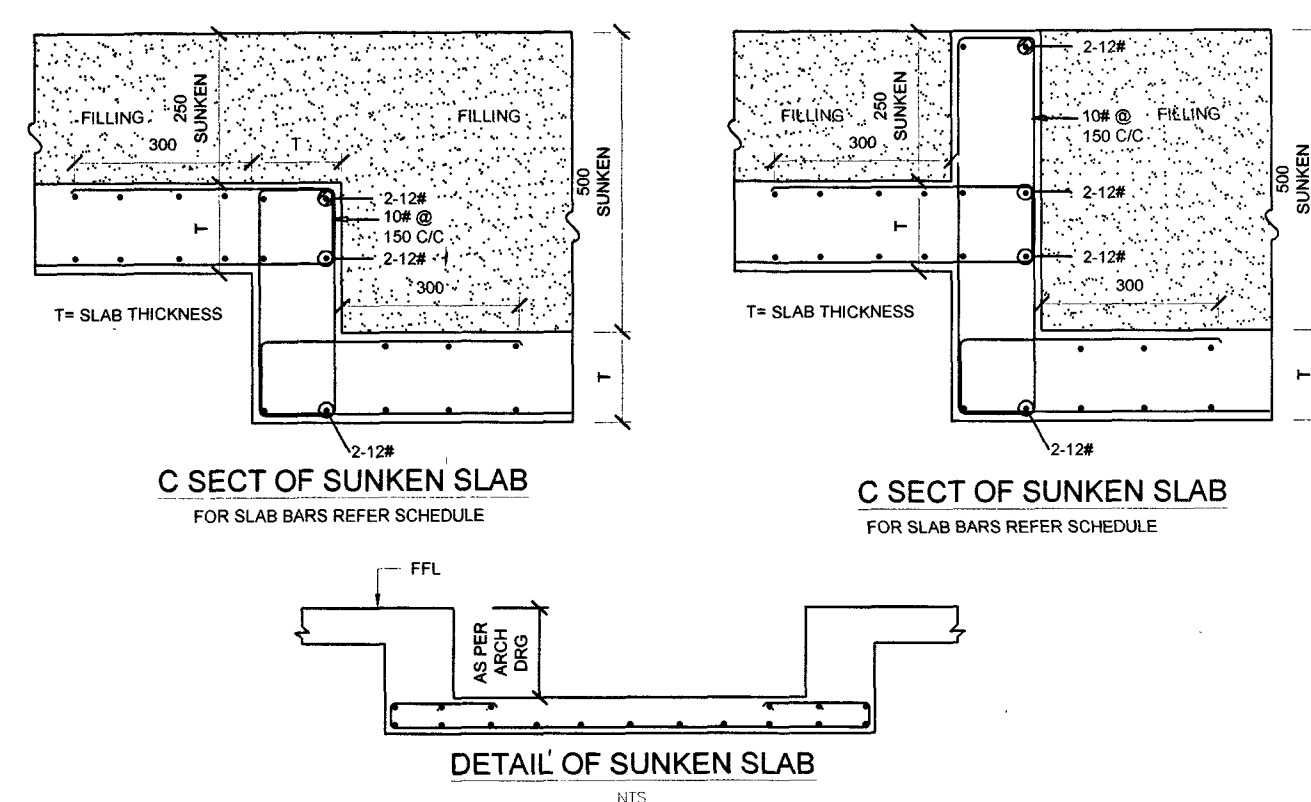
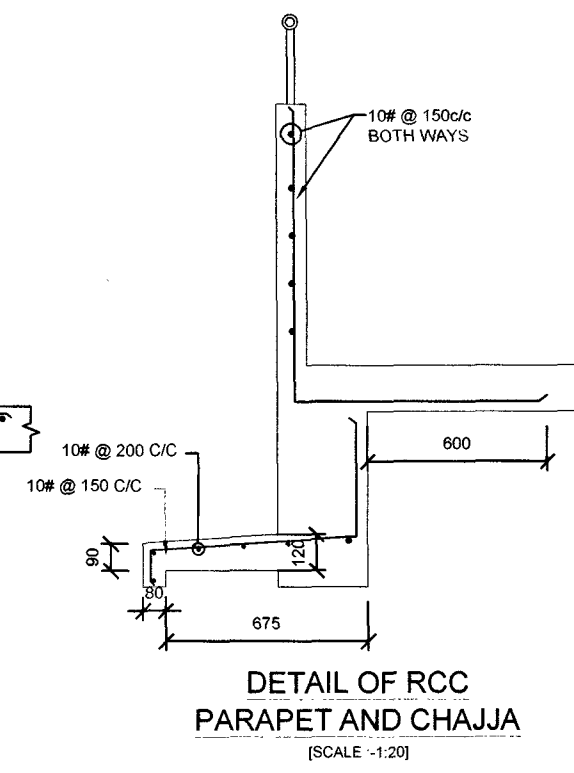
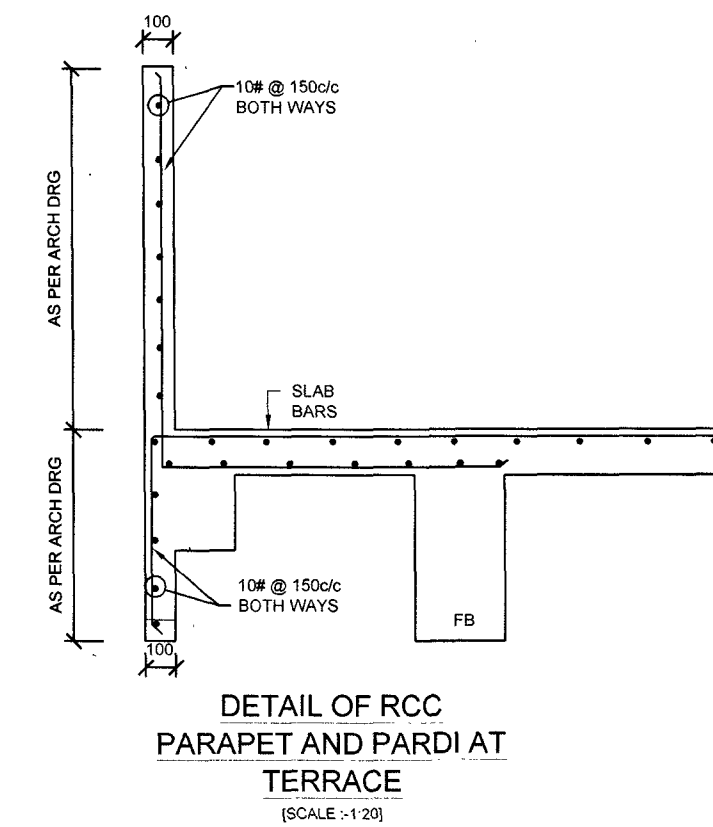
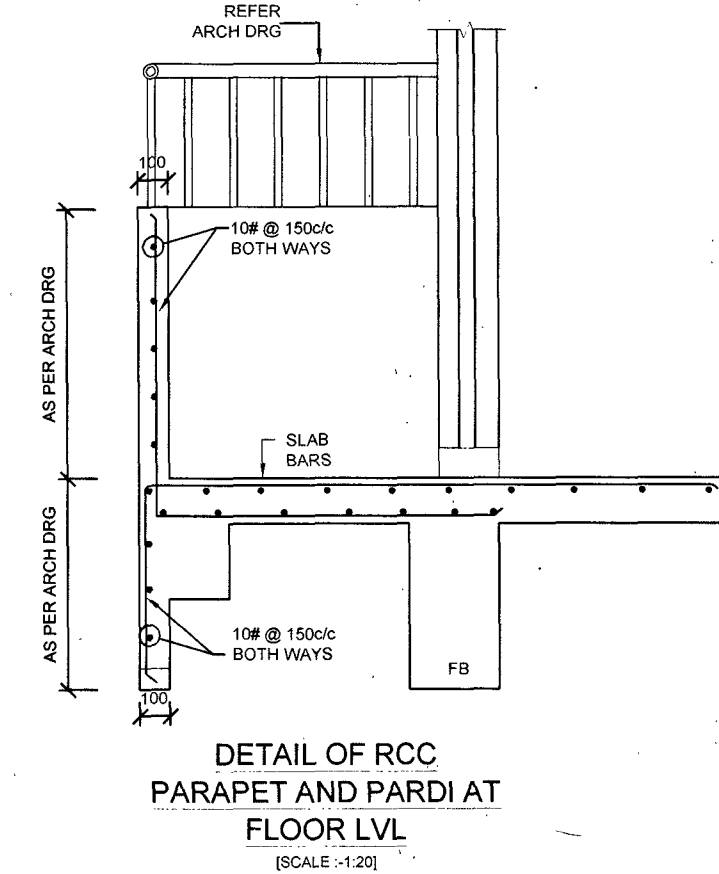
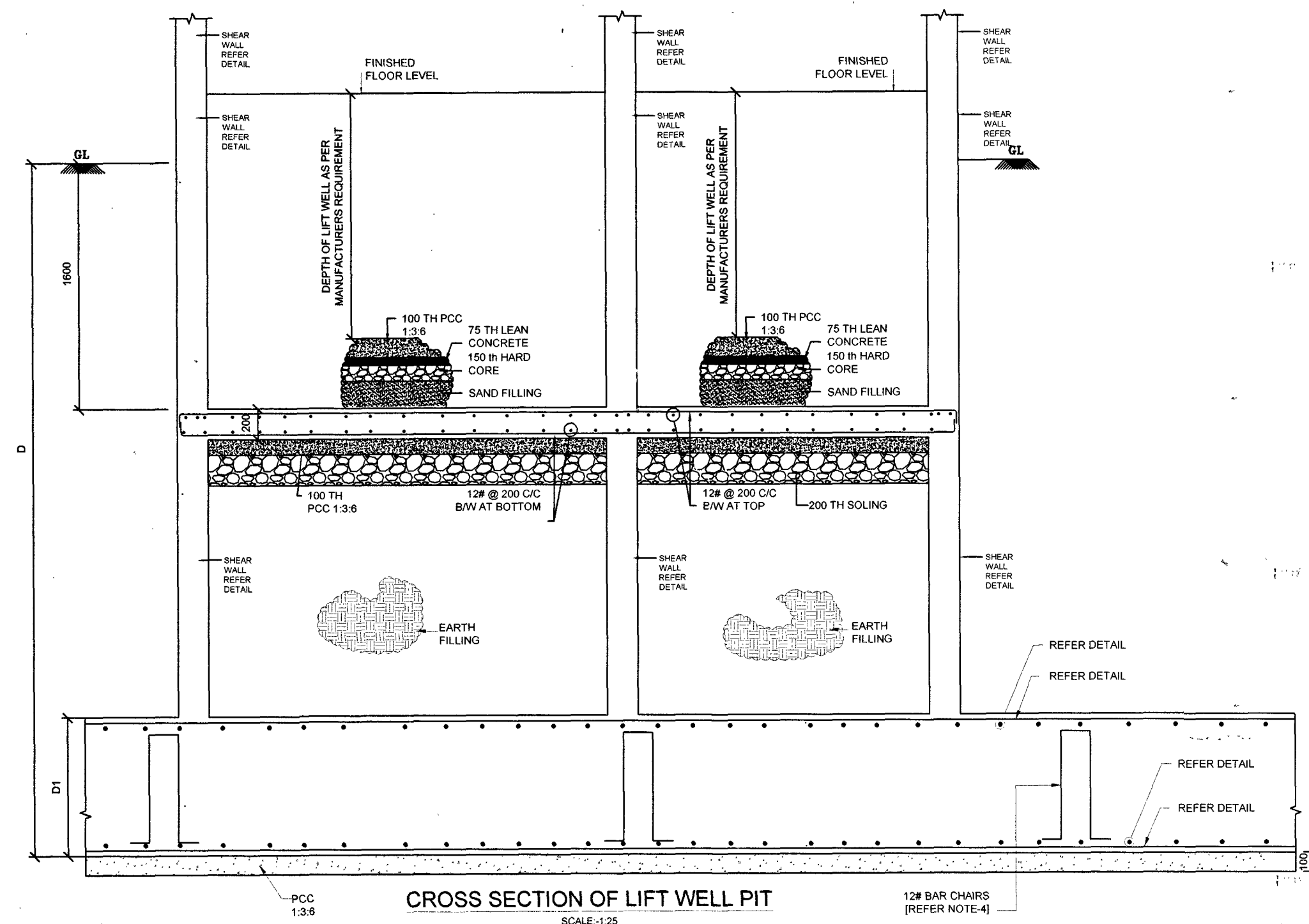
PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs).

DETAILS OF WATER TANK

DATE	23 MAR 2026	<div style="text-align: center;"> CHIEF ENGINEER (NAVY) MUMBAI </div>	SHEET NO.
DRN	NbSub Ranjit Singh		22
TCD	-		23
CKD	-		
SCALE	AS SHOWN		REF DRG NO: WD / S/2026 / 01


(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRATEEK KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY



- NOTES:-**
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SL. NO.	DATE	DESCRIPTION	SIGN
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REVISION

PROVN OF DEFICIENT MD ACCN FOR SAILORS
(POs & BELOW) AT PORBANDAR (48 DUs).

DETAILS OF LIFT WELL PIT & OTHER MISC DETAILS

DATE	23 MAR 2026	CHIEF ENGINEER (NAVY) MUMBAI	SHEET NO.
DRN	NBSuk Ranjit Singh		23
TCD	-		23
CKD	-		
SCALE	AS SHOWN	REF DRG NO: WD / S/2026 / 01	

(RAGHAV PARASHAR)
LT COL
SOI (DESIGN)
FOR CHIEF ENGINEER NAVY

(PRATEEK KUMAR, IDSE)
SE
DIR (DESIGN)
FOR CHIEF ENGINEER NAVY

SCHEDULE OF FINISHES									NOTES
SR. NO.	IDENTIFY MARK	DESCRIPTION	SR. NO.	IDENTIFY MARK	DESCRIPTION	SR. NO.	IDENTIFY MARK	DESCRIPTION	
1	GF - 1	18 TO 20 MM THICK,PREPOLISHED GRANITE STONE SLAB OF SIZE AS SPECIFIED OVER 20 MM THICK CEMENT SCREED 1:4. LAID AND JOINTED WITH GREY CEMENT SLURRY WITH PIGMENT TO MATCH THE SHADE OF THE GRANITE INCLUDING RUBBING POLISHING COMPLETE OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE SUB BASE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED.	29	FF - 8	3 MM THICK FLEXIBLE PVC FLOORING LAID DOWN IN ROLLS AND FIXED WITH OVER 47 MM THICK PCC M-20 GRADE FINISHED EVEN AND SMOOTH OVER RCC FLOOR SLAB WITH APPROVED ADHESIVES ALL AS SPECIFIED.	60	SK - 10	9-10 MM THICK VITRIFIED TILES 100 MM HIGH (WIDTH TO MATCH THE SIZE PROVIDED IN FLOORING) OVER 12 MM THICK BACKING COAT IN CM 1:4, JOINTS GROUTED WITH EPOXY GROUT COMPLETE ALL AS SPECIFIED.	1. 40 & 50 MM THICK PCC TO BE LAID WITH PVC DIVIDING STRIPS OF SIZE 1.5 MM THICK & WIDTH 30 MM & 40 MM RESPECTIVELY. THE AREA OF EACH PANEL SHALL NOT EXCEED 2 SQM. 2. THICKNESS OF PCC OVER RCC SLAB SHALL BE ADJUSTED TO MATCH WITH ADJACEANT FLOOR AS PER ARCH. DRAWINGS.
2	GF - 2	20MM THICK, PREPOLISHED KOTA STONE SLAB OF SIZE 450X450 MM TO 600X600 MM OVER 20 MM THICK CEMENT SCREED 1:4. LAID AND JOINTED WITH GREY CEMENT SLURRY WITH PIGMENT TO MATCH THE SHADE OF THE KOTA STONE INCLUDING RUBBING POLISHING COMPLETE OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE SUB BASE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED.	30	FF - 9	EPOXY FLOORING WITH CHOPPED STRAND MAT AS PER MANUFACTURE's INSTRUCTIONS OVER 50 MM M-20 GRADE OVER RCC SURFACE ALL AS SPECIFIED.	61	D - 2	7 TO 8 MM THICK, 300x450 MM GLAZED CERAMIC TILES JOINTED AND POINTED WITH EPOXY GROUT OVER TILE ADHESIVES AS PER MANUFACTURES INSTRUCTIONS, ALL AS SPECIFIED.	
3	GF - 3	7 TO 8 MM THICK, COLOURED CERAMIC TILES MAT/GLOSSY FINISH OF SIZE NOT LESS THAN 400X400 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED.	31	FF - 10	20 MM THICK ACID PROOF TILING FIXED WITH CHEMICAL RESISTANT MORTAR,RESIN TYPE LAID AND POINTED WITH ACID PROOF EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 OVER 15 MM THICK PCC M-20 GRADE OVER RCC FLOOR SLAB COMPLETE ALL AS SPECIFIED.	62	D - 3	20 MM THICK, PREPOLISHED GRANITE STONE SLAB OVER TILE ADHESIVES AS PER MANUFACTURES INSTRUCTIONS, ALL AS SPECIFIED. STONE SLAB TO BE FIXED WITH METAL SCREWS AND HOLED FASTS ALL AS SHOWN IN DRAWINGS.	
4	GF - 4	9 TO 10 MM THICK, COLOURED CERAMIC TILES MAT/GLOSSY FINISH OF SIZE NOT LESS THAN 600X600 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED.	32	FF - 11	50 MM THICK M-20 GRADE FLOORING FINISHED EVEN AND SMOOTH WITH PVC 1.5 MM THICK DIVIDING STRIP 40 MM WIDTH OVER RCC SLAB COMPLETE ALL AS SPECIFIED.	63	HS - 1	150 MM THICK PCC M-20 GRADE LAID OVER 100 MM THICK PCC M-10 GRADE OVER 150 MM THICK HARDCORE OVER 150 MM THICK MOORUM FILLING ALL AS SPECIFIED. NOTE: MAXIMUM PANEL SIZE SHALL NOT BE MORE THAN 200X200	
5	GF - 5	7 TO 8 MM THICK, COLOURED CERAMIC TILES MAT/GLOSSY FINISH OF SIZE NOT LESS THAN 300X300 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED.	33	FF - 12	9-10 MM THICK VITRIFIED CERAMIC TILES, OF SIZE NOT LESS THAN 600X600 MM JOINTS GROUTED WITH EPOXY GROUT OR WITH 3MM THICK SPACER OVER 15 MM THICK CEMENT SCREED IN CM 1:4 OVER 25 MM THICK PCC M-20 GRADE OVER RCC FLOOR SLAB WITH ALL AS SPECIFIED.	64	HS - 3	60 MM THICK PCC INTERLOCKING PAVER BLOCK M-35 GRADE WITH GREY CEMENT OVER 50 MM THICK SAND CUSHION OVER 75 MM THICK WBM OVER 150 MM THICK HARD CORE.	
6	GF - 6	7 TO 8 MM THICK, COLOURED NON SKID CERAMIC TILES WITH SAND FINISH OF SIZE 300X300 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED. NOTE: MAT FINISH WALL WILL NOT BE ACCEPTED AS NON SKID SUFACE OVER TILES	34	FF - 12A	9-10 MM THICK VITRIFIED CERAMIC TILES, OF SIZE NOT LESS THAN 600X1200 MM JOINTS GROUTED WITH EPOXY GROUT OR WITH 3MM THICK SPACER OVER TILE ADHESIVE AS PER MANUFACTURER INSTRUCTIONS 25 MM THICK PCC M-20 GRADE OVER RCC FLOOR SLAB WITH ALL AS SPECIFIED.	65	HS - 4	80 MM THICK PCC INTERLOCKING PAVER BLOCK M-40 GRADE WITH GREY CEMENT OVER 50 MM THICK SAND CUSHION OVER 75 MM THICK WBM OVER 150 MM THICK HARD CORE.	
7	GF - 7	2 MM THICK FLEXIBLE PVC FLOORING LAID IN ROLLS AND FIXED WITH APPROVED ADHESIVE OVER 40 MM THICK PCC M-20 GRADE OVER 75 MM THICK PCC M-10 GRADE OVER 100 MM THICK HARD CORE OVER EARTH FILLING ALL AS SPECIFIED. NOTE: PCC SHALL BE LAID NEAR PERFECT LEVEL WITH SMOOTH FINISH TO AVOID BUBBLE FORMATION BETWEEN FLEXIBLE PVC FLOORING AND PCC (M20 GRADE)	35	FF - 13	50MM THICK PCC M-40 GRADE FLOORING FINISHED EVEN AND SMOOTH WITH PVC 1.5 MM TH DIVIDING STRIP 40MM WIDTH OVER RCC SLAB COMPLETE ALL AS SPECIFIED WITH XPM FINISH.	66	HS - 5	300X300X25 MM CHEQUERED CEMENT TILE FLOORING SET AND JOINTED AND POINTED IN NEAT MATCHING COLOURED CEMENT SLURRY IN FLOORS OVER 20 MM THICK SCREED BED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED.	
8	GF - 8	3 MM THICK FLEXIBLE PVC FLOORING LAID IN ROLLS AND FIXED WITH APPROVED ADHESIVE OVER 40 MM THICK PCC M-20 GRADE OVER 75 MM THICK PCC M-10 GRADE OVER 100 MM THICK HARD CORE OVER EARTH FILLING ALL AS SPECIFIED. NOTE: PCC SHALL BE LAID NEAR PERFECT LEVEL WITH SMOOTH FINISH TO AVOID BUBBLE FORMATION BETWEEN FLEXIBLE PVC FLOORING AND PCC (M20 GRADE)	36	FF - 14	7 TO 8 MM THICK, COLOURED CERAMIC TILES OF SIZE NOT LESS THAN 400X400 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 OVER 25 MM THICK PCC M-20 GRADE OVER RCC FLOOR SLAB ALL AS SPECIFIED.	66A	HS - 6	400 X 400 MM HEAVY DUTY FULLY VETRIFIED 10MM THICK FLOORING TILE (ENDURA OR EQUIVALENT) LAID OVER TILE ADHESIVE AS PER MANUFACTURER INSTRUCTIONS OVER 75 MM THICK PCC M-10 GRADE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED.	
9	GF - 9	EPOXY FLOORING WITH CHOPPED STRAND MAT AS PER MANUFACTURE's INSTRUCTIONS OVER 40 MM THICK M-20 GRADE FLOOR OVER 100 MM THICK PCC M-10 GRADE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING ALL AS SPECIFIED.	37	SC - 1	20 MM THICK, PREPOLISHED KOTA STONE SLAB IN SINGLE PIECE BULLNOSING / ROUNDING TO EDGES OF STONE SLAB ONE EDGE AND TWO NOS GRIP LINE FOR STAIR CASE TREADS FIXED OVER 20 MM THICK CEMENT SCREED 1:4 COMPLETE ALL AS SPECIFIED.	67	HS - 7	400 X 400 MM HEAVY DUTY FULLY VETRIFIED 20MM THICK PARKING TILE LAID OVER TILE ADHESIVE AS PER MANUFACTURER INSTRUCTIONS OVER 75 MM THICK PCC M-10 GRADE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED.	
10	GF - 10	20 MM THICK ACID PROOF TILING FIXED WITH CHEMICAL RESISTANT MORTAR,RESIN TYPE LAID AND POINTED WITH ACID PROOF EPOXY GROUT OVER 20 MM THICK SCREED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING ALL AS SPECIFIED.	38	SCR - 1	20 MM THICK, PREPOLISHED KOTA STONE SLAB IN SINGLE PIECE FOR STAIR CASE RISER FIXED OVER 10 MM THICK SCREED 1:4 COMPLETE ALL AS SPECIFIED.	68	WPT - 1	RCC ROOF SLAB WITH SLOPE (INACCESSIBLE ROOF SLAB) 20 MM THICK SCREED/ PLASTER IN CM 1:3 MIXED WITH LIQUID WATER PROOFING CHEMICAL AS PER MANUFACTURER INSTRUCTIONS. PLASTER SHALL BE DONE WHEN THE CONCRETE SURFACE IS STILL MOIST. THE PLASTER SURFACE SHALL BE CURED ALLOWED TO SET AND DRY. FINISHED SURFACE COATED WITH 5/7 LAYERS WATER BASED UV RESISTANCE ELASTOMERIC FIBER REINFORCED POLYURETHANE LIQUID MEMBRANE WATER PROOFING SYSTEM AS PER MANUFACTURERS INSTRUCTION AND SPECIFIED IS CODES. THICKNESS OF LIQUID MEMBRANE SHALL BE 3MM OR MORE. (SHALIURETHANE BTD PLUS (STP)/ SIKALASTIC 450 (I)/SIKAY) NITOPROOF 650PU (FOSROC) OR EQUIVALENT AS SPECIFIED IN CA.	
11	GF - 11	9-10 MM THICK VITRIFIED CERAMIC TILES, OF SIZE NOT LESS THAN 600X600 MM JOINTS GROUTED WITH EPOXY GROUT OR WITH 3MM THICK SPACER OVER 20 MM THICK CEMENT SCREED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE SUB BASE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED.	39	SCL - 1	20 MM THICK, PREPOLISHED KOTA STONE SLAB ONLY POLISHED OVER 20 MM THICK CEMENT SCREED 1:4 LAID AND JOINTED WITH GREY CEMENT SLURRY WITH PIGMENTS TO MATCH THE SHADES OF KOTA STONE INCLUDING RUBBING POLISHING COMPLETE ALL AS SPECIFIED.	69	WPT - 2	RCC ROOF SLAB WITH SLOPE (ACCESSIBLE ROOF SLAB) 20 MM THICK SCREED/ PLASTER IN CM 1:3 MIXED WITH LIQUID WATER PROOFING CHEMICAL AS PER MANUFACTURER INSTRUCTIONS. PLASTER SHALL BE DONE WHEN THE CONCRETE SURFACE IS STILL MOIST. THE PLASTER SURFACE SHALL BE CURED ALLOWED TO SET AND DRY. FINISHED SURFACE COATED WITH 5/7 LAYERS WATER BASED UV RESISTANCE ELASTOMERIC FIBER REINFORCED POLYURETHANE LIQUID MEMBRANE WATER PROOFING SYSTEM AS PER MANUFACTURERS INSTRUCTION AND SPECIFIED IS CODES. THICKNESS OF LIQUID MEMBRANE SHALL BE 4MM OR MORE. (SHALIURETHANE BTD PLUS (STP)/ SIKALASTIC 450 (I)/SIKAY) NITOPROOF 650PU (FOSROC) OR EQUIVALENT AS SPECIFIED IN CA. OVER THE WATERPROOFING TREATMENT PROVIDE A POLYPROPYLENE/POLYESTER, NON WOVEN GEOTEXTILE FABRIC OF 150 GSM. OVER THE GEOTEXTILE FABRIC PROVIDE 10MM THICK NON SKID VITRIFIED CERAMIC TILES (SR1) WITH TILE FIXING ADHESIVE. JOINTS OF TILES JOINTED AND POINTED WITH EPOXY GROUT AS PER MANUFACTURERS INSTRUCTIONS.	
12	GF - 11A	9-10 MM THICK VITRIFIED CERAMIC TILES, OF SIZE NOT LESS THAN 600X1200 MM JOINTS GROUTED WITH EPOXY GROUT OR WITH 3MM THICK SPACER OVER TILE ADHESIVE OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE SUB BASE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED.	40	SG - 1	18 TO 20 MM THICK, PREPOLISHED GRANITE STONE SLAB IN SINGLE PIECE BULLNOSING / ROUNDING TO EDGES OF STONE SLAB ONE EDGE AND TWO NOS GRIP LINE FOR STAIR CASE TREADS FIXED OVER 20 MM THICK CEMENT SCREED 1:4 COMPLETE ALL AS SPECIFIED.	70	WPT - 3	FLAT RCC ROOF SLAB (ACCESSIBLE ROOF SLAB) PROVIDING SLOPE MINIMUM 1:80, LAYING M20 GRADE CONCRETE IN PANELS NOT MORE THAN 2MX2M WITH 10MM WIDE AND 30MM DEEP CONSTRUCTION/DUMY JOINTS. JOINT TO BE FILLED WITH BACKER ROD AND SEALED WITH PU SEALANT. MINIMUM THICKNESS OF CONCRETE SHALL BE 50MM NEAR DRAIN PIPES. CONCRETE SHALL BE RAISED AT WALLS IN FORM OF COVING TO FORM SMOOTHER CORNER. CONCRETE SHALL BE WELL COMPACTED, CURED ALLOWED TO SET AND DRY. 20 MM THICK SCREED/ PLASTER IN CM 1:3 MIXED WITH LIQUID WATER PROOFING CHEMICAL AS PER MANUFACTURER INSTRUCTIONS. PLASTER SHALL BE DONE WHEN THE CONCRETE SURFACE IS STILL MOIST. THE PLASTER SURFACE SHALL BE CURED ALLOWED TO SET AND DRY. FINISHED SURFACE COATED WITH 5/7 LAYERS WATER BASED UV RESISTANCE ELASTOMERIC FIBER REINFORCED POLYURETHANE LIQUID MEMBRANE WATER PROOFING SYSTEM AS PER MANUFACTURERS INSTRUCTION AND SPECIFIED IS CODES. THICKNESS OF LIQUID MEMBRANE SHALL BE 4MM OR MORE. (SHALIURETHANE BTD PLUS (STP)/ SIKALASTIC 450 (I)/SIKAY) NITOPROOF 650PU (FOSROC) OR EQUIVALENT AS SPECIFIED IN CA. OVER THE WATERPROOFING TREATMENT PROVIDE A POLYPROPYLENE/POLYESTER, NON WOVEN GEOTE XTILE FABRIC OF 150 GSM. OVER THE GEOTEXTILE FABRIC PROVIDE 10MM THICK NON SKID VITRIFIED CERAMIC TILES (SR1) WITH TILE FIXING ADHESIVE. JOINTS OF TILES JOINTED AND POINTED WITH EPOXY GROUT AS PER MANUFACTURERS INSTRUCTIONS.	
13	GF - 12	50 MM THICK PCC M-20 GRADE OVER 75 MM THICK PCC M-10 GRADE SUB BASE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED FINISHING CEMENT CONCRETE SURFACE EVEN AND SMOOTH WITH XPM FINISH. NOTE: PCC TOP SHALL BE SMOOTH FINISH	41	SGR - 1	18 TO 20 MM THICK, PREPOLISHED GRANITE STONE SLAB IN SINGLE PIECE FOR STAIR CASE RISER FIXED OVER 20 MM THICK SCREED 1:4 COMPLETE ALL AS SPECIFIED.	71	WPT - 4	RCC ROOF SLAB WITH SLOPE (INACCESSIBLE ROOF SLAB) 20 MM THICK SCREED/ PLASTER IN CM 1:3 MIXED WITH LIQUID WATER PROOFING CHEMICAL AS PER MANUFACTURER INSTRUCTIONS. PLASTER SHALL BE DONE WHEN THE CONCRETE SURFACE IS STILL MOIST. THE PLASTER SURFACE SHALL BE CURED ALLOWED TO SET AND DRY. APP MODIFIED POLYSTER REINFORCED WATER PROOFING MEMAMBRANE 3MM THICK WITH MINIMUM WEIGHT 3.5 KG/SQM OVER BITUMINIOUS PRIMER @ 0.40 LTR/SQM (MANUFACTURED BY SAME AGENCY AS THAT OF APP MEMBRANE. APPLYING TWO COATS OF BITUMINIOUS ALUMINIUM PAINT OVER THE APP MEMBRANE.	
14	GF - 13	100 MM THICK PCC M-20 GRADE OVER 100 MM THICK M-10 GRADE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED.FINISHED THE SURFACE WITH XPM FINISHED. NOTE: PCC TOP SHALL BE SMOOTH FINISH	42	SGL - 1	18 TO 20 MM THICK, PREPOLISHED GRANITE STONE SLAB ONLY POLISHED OVER 20 MM THICK CEMENT SCREED 1:4 LAID AND JOINTED WITH GREY CEMENT SLURRY WITH PIGMENTS TO MATCH THE SHADE OF GRANITE STONE INCLUDING RUBBING POLISHING COMPLETE ALL AS SPECIFIED.	72	WPT 5	RCC ROOF SLAB WITH SLOPE (ACCESSIBLE ROOF SLAB) 20 MM THICK SCREED/ PLASTER IN CM 1:3 MIXED WITH LIQUID WATER PROOFING CHEMICAL AS PER MANUFACTURER INSTRUCTIONS. PLASTER SHALL BE DONE WHEN THE CONCRETE SURFACE IS STILL MOIST. THE PLASTER SURFACE SHALL BE CURED ALLOWED TO SET AND DRY. APP MODIFIED POLYSTER REINFORCED WATER PROOFING MEMAMBRANE 4MM THICK WITH MINIMUM WEIGHT 4.5 KG/SQM OVER BITUMINIOUS PRIMER @ 0.40 LTR/SQM (MANUFACTURED BY SAME AGENCY AS THAT OF APP MEMBRANE. OVER THE WATERPROOFING TREATMENT PROVIDE A POLYPROPYLENE/POLYESTER, NON WOVEN GEOTEXTILE FABRIC OF 150 GSM. OVER THE GEOTEXTILE FABRIC PROVIDE 10MM THICK NON SKID VITRIFIED CERAMIC TILES (SR1) WITH TILE FIXING ADHESIVE. JOINTS OF TILES JOINTED AND POINTED WITH EPOXY GROUT AS PER MANUFACTURERS INSTRUCTIONS.	
15	GF - 14	40 MM THICK PCC M-20 GRADE FLOORING OVER 75 MM THICK PCC M-10 GRADE SUB BASE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AND ALL AS SPECIFIED. NOTE: PCC TOP SHALL BE SMOOTH FINISH	43	IP - 1	3 MM THICK WALL CARE PUTTY FINISH OVER 10 MM THICK CEMENT PLASTER IN CM 1:6 ABOVE SKIRTING/ DADO , FINISHED EVEN AND SMOOTH ALL AS SPECIFIED.	73	WPT 6	FLAT RCC ROOF SLAB (ACCESSIBLE ROOF SLAB) PROVIDING SLOPE MINIMUM 1:80, LAYING M20 GRADE CONCRETE IN PANELS NOT MORE THAN 2MX2M WITH 10MM WIDE AND 30MM DEEP CONSTRUCTION/DUMY JOINTS. JOINT TO BE FILLED WITH BACKER ROD AND SEALED WITH PU SEALANT. MINIMUM THICKNESS OF CONCRETE SHALL BE 50MM NEAR DRAIN PIPES. CONCRETE SHALL BE RAISED AT WALLS IN FORM OF COVING TO FORM SMOOTHER CORNER. CONCRETE SHALL BE WELL COMPACTED, CURED ALLOWED TO SET AND DRY. 20 MM THICK SCREED/ PLASTER IN CM 1:3 MIXED WITH LIQUID WATER PROOFING CHEMICAL AS PER MANUFACTURER INSTRUCTIONS. PLASTER SHALL BE DONE WHEN THE CONCRETE SURFACE IS STILL MOIST. THE PLASTER SURFACE SHALL BE CURED ALLOWED TO SET AND DRY. APP MODIFIED POLYSTER REINFORCED WATER PROOFING MEMAMBRANE 4MM THICK WITH MINIMUM WEIGHT 4.5 KG/SQM OVER BITUMINIOUS PRIMER @ 0.40 LTR/SQM (MANUFACTURED BY SAME AGENCY AS THAT OF APP MEMBRANE. OVER THE WATERPROOFING TREATMENT PROVIDE A POLYPROPYLENE/POLYESTER, NON WOVEN GEOTEXTILE FABRIC OF 150 GSM. OVER THE GEOTEXTILE FABRIC PROVIDE 10MM THICK NON SKID VITRIFIED CERAMIC TILES (SR1) WITH TILE FIXING ADHESIVE. JOINTS OF TILES JOINTED AND POINTED WITH EPOXY GROUT AS PER MANUFACTURERS INSTRUCTIONS.	
17	GF - 16	FLOORING ALL AS PER STRUCTURAL DESIGN.	45	IP - 3	3 MM THICK WALL CARE PUTTY FINISHED EVEN AND SMOOTH INCLUDING PREPARATION OF SURFACES MECHANICAL GRINDING OF RCC SURFACE ALL AS SPECIFIED.	74	CL - 1	GYPSUM ANHYDROUS BOARD CEILING OF SIZE NOT LESS THAN 600 x 600 MM OVER ALUMINIUM ANODIZED / GI SNAP GRID FRAME WITH ADJUSTABLE HANGERS ALL AS SHOWN IN DRAWINGS AND AS SPECIFIED.	
18	GF - 17	RCC FLOORING WITH ANTI STATIC SPECIFICATION COMPLETE ALL AS PER STRUCTURAL DESIGN AND AS SPECIFIED IN CA.	46	CP - 1	5 MM THICK PLASTERING IN CM 1:3 CEILING OF RCC FLOOR , SOFFITS AND SIDES OF BEAMS & CHAJJAS FINISHED EVEN AND FAIR AND FINALLY FINISHED EVEN AND SMOOTH WITH LAYER OF 3 MM THICK WALL CARE PUTTY COMPLETE ALL AS SPECIFIED.	75	CL - 2	8-10 MM THICK PVC/CALCIUM/SILICATE/WPC PARTICLE BOARD CEILING OF SIZE 600 x 600 MM OVER ALUMINIUM ANODIZED / GI SNAP GRID FRAME WITH ADJUSTABLE HANGERS ALL AS SHOWN IN DRAWINGS AND AS SPECIFIED.	
19	GF - 18	2MM THICK ANTISTATIC DISCRIPTIVE HIGH PRESSURISED WING/ FLOORING TILES / SHEET LAID OVER 200MM THICK PCC CONCRETE FLOOR OF M45 GRADE OVER 75MM THICK PCC M10 GRDE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING ALL AS SPECIFIED.	47	CP - 2	NO CEILING PLASTER TO BE PROVIDED.ALL CEILING INCLUDING EXPOSED BEAMS TO BE FINISHED WITH 3 MM THICK WHITE CEMENT PUTTY BEFORE APPLICATION OF FINISHES. MAKE ECOPLAST OF ACC,READY PLAST OF ULTRA TECH, WALL PLAST,CHEM PLAST.	76	CL - 3	8-10 MM THICK SEMIPERFORATED PVC/CALCIUM/SILICATE/WPC BOARD CEILING OF SIZE 600 x 600 MM OVER GI SNAP GRID FRAME WITH ADJUSTABLE HANGERS ALL AS SHOWN IN DRAWINGS AND AS SPECIFIED.	
20	GF - 19	7 TO 8 MM THICK, COLOURED CERAMIC TILES OF SIZE NOT LESS THAN 400X400 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 OVER 75 MM THICK PCC M-10 GRADE USING 40 MM GRADED AGGREGATE OVER 100 MM THICK HARD CORE OVER APPROVED EARTH FILLING AS SPECIFIED.	48	CP - 3	5MM THICK POLYMER MODIFIED READY MIXED CEMENT BASED PLASTER ON CEILING OF RCC FLOOR SOFF ITS SIDES OF BEAMS & CHAJJAS FINISHED EVEN AND SMOOTH COMPLETE ALL AS SPECIFIED.	77	CL - 4	POP CEILING WITH ALUMINIUM ANODIZED/GI SNAP GRID WITH ADJUSTABLE HANGERS ALL AS SHOWN IN DRAWINGS AND AS SPECIFIED.	
21	FF - 1	18 TO 20 MM THICK, PREPOLISHED GRANITE STONE SLAB OF SIZE AS SPECIFIED OVER 20 MM THICK CEMENT SCREED 1:4. LAID AND JOINTED WITH GREY CEMENT SLURRY WITH PIGMENT TO MATCH THE SHADE OF THE GRANITE INCLUDING RUBBING POLISHING COMPLETE OVER RCC FLOOR SLAB ALL AS SPECIFIED.	49	EP - 1	20 MM THICK CEMENT PLASTER IN C.M. 1:4 IN TWO LAYERS. 15 MM THICK RENDERING BACKING COAT IN CM 1:4. 5MM THICK SECOND COAT MIXED WITH WATER PROOFING COMPOUND AS PER MANUFACTURES INSTRUCTIONS. FINISHED SURFACE AND FAIR WITHOUT USING EXTRA CEMENT	78	ACL - 1	40 MM THICK GLASS / MINERAL WOOL OVER THE CEILING ALL AS SPECIFIED.	
22	FF - 2	20 MM THICK, PREPOLISHED KOTA STONE SLAB OF SIZE 450X450 MM TO 600X600 MM OVER 20 MM THICK CEMENT SCREED 1:4. LAID AND JOINTED WITH GREY CEMENT SLURRY WITH PIGMENT TO MATCH THE SHADE OF THE SLAB INCLUDING RUBBING POLISHING COMPLETE ON RCC FLOOR SLAB ALL AS SPECIFIED.	50	EP - 2	12 MM THICK POLYMER MODIFIED READY MIXED CEMENT BASED PLASTER FINISHED EVEN AND FAIR ALL AS SPECIFIED. MAKE ACOPLAST OF ACC,READY PLAST OF ULTRA TECH,WALL PLAST,CHEM PLAST.	79	TT	TERRACE TANK- PROTECTIVE COATING SYSTEM BY APPLICATION OF SMART SILL 1015 OF (SP CONCREA PVT. LTD OR EQUIVALENT) POTABLE EPOXY RESIN BASED COATING, WHICH ON APPLICATION OVER WALLS, CEILINGS AND FLOORS	
23	FF - 3	7 TO 8 MM THICK, COLOURED CERAMIC TILES MAT/GLOSSY FINISH OF SIZE 400 MM X 400 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 COMPLETE OVER 25 MM THICK PCC M-20 GRADE OVER RCC FLOOR SLAB ALL AS SPECIFIED.	51	EP - 3	5 MM THICK CEMENT PLASTER IN C.M. 1:3 ON RCC WALLS (RETAINING WALL/LIFT/TOE WALL) FINISHED EVEN AND FAIR WITHOUT USING EXTRA CEMENT COMPLETE ALL AS SPECIFIED.	80	WINDOW CILL-1 (WC-1)	PRE POLISED SINGLE PIECE DOUBLE PATTI WITH HALF ROUND NOSING BARODA GREEN MARBLE 18-20MM THICK WITH 15MM THICK CM 1:3 SCREED FOR WINDOW CILL IN ALL OTM/CO/O/R LIVING ACCN.	
24	FF - 4	9 TO 10 MM THICK, COLOURED CERAMIC TILES MAT/GLOSSY FINISH OF SIZE 600 MM X 600 MM IN FLOORS JOINTS GROUTED WITH EPOXY GROUT OVER 15 MM THICK SCREED IN CM 1:4 COMPLETE OVER 25 MM THICK PCC M-20 GRADE OVER RCC FLOOR SLAB ALL							