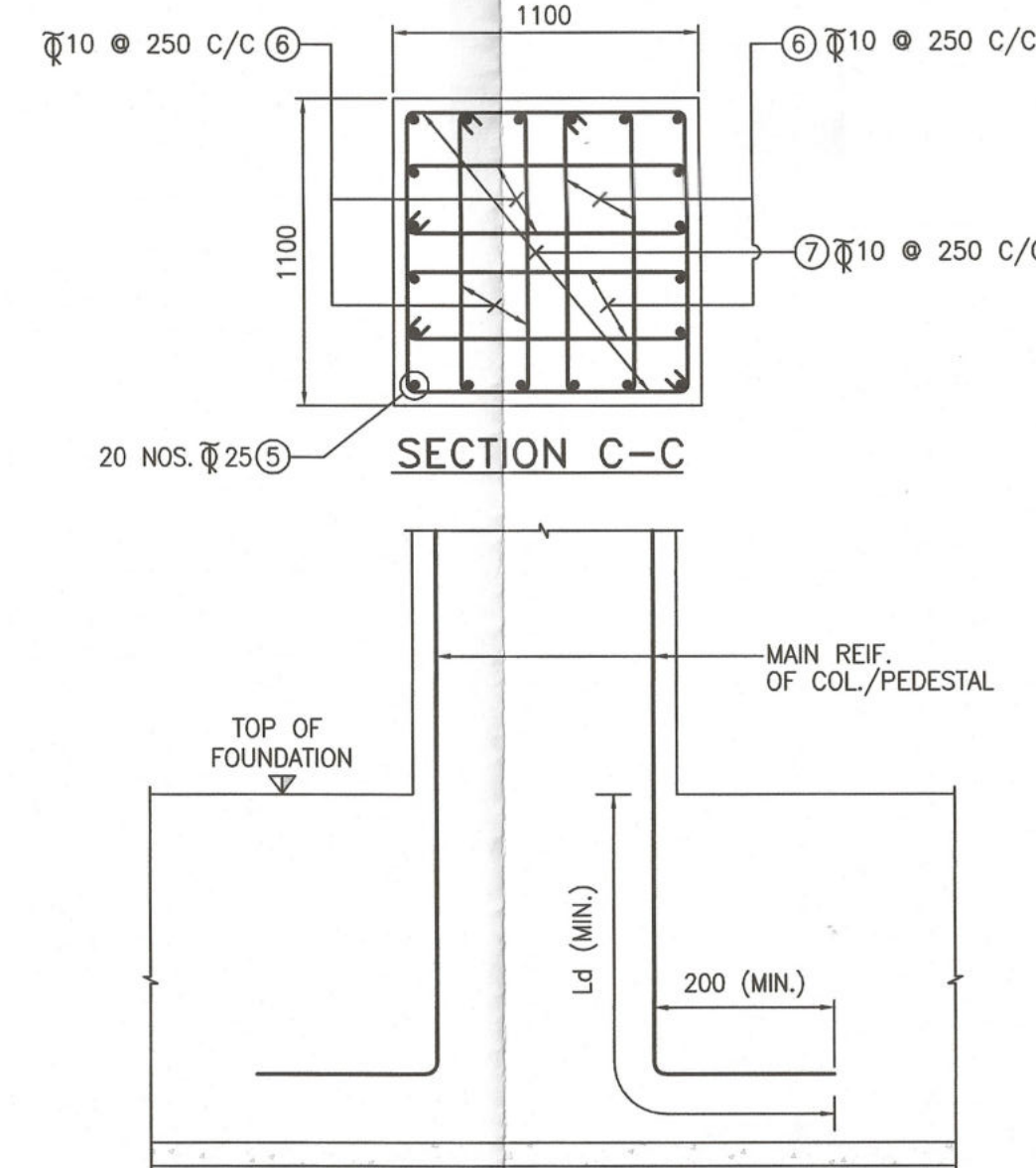
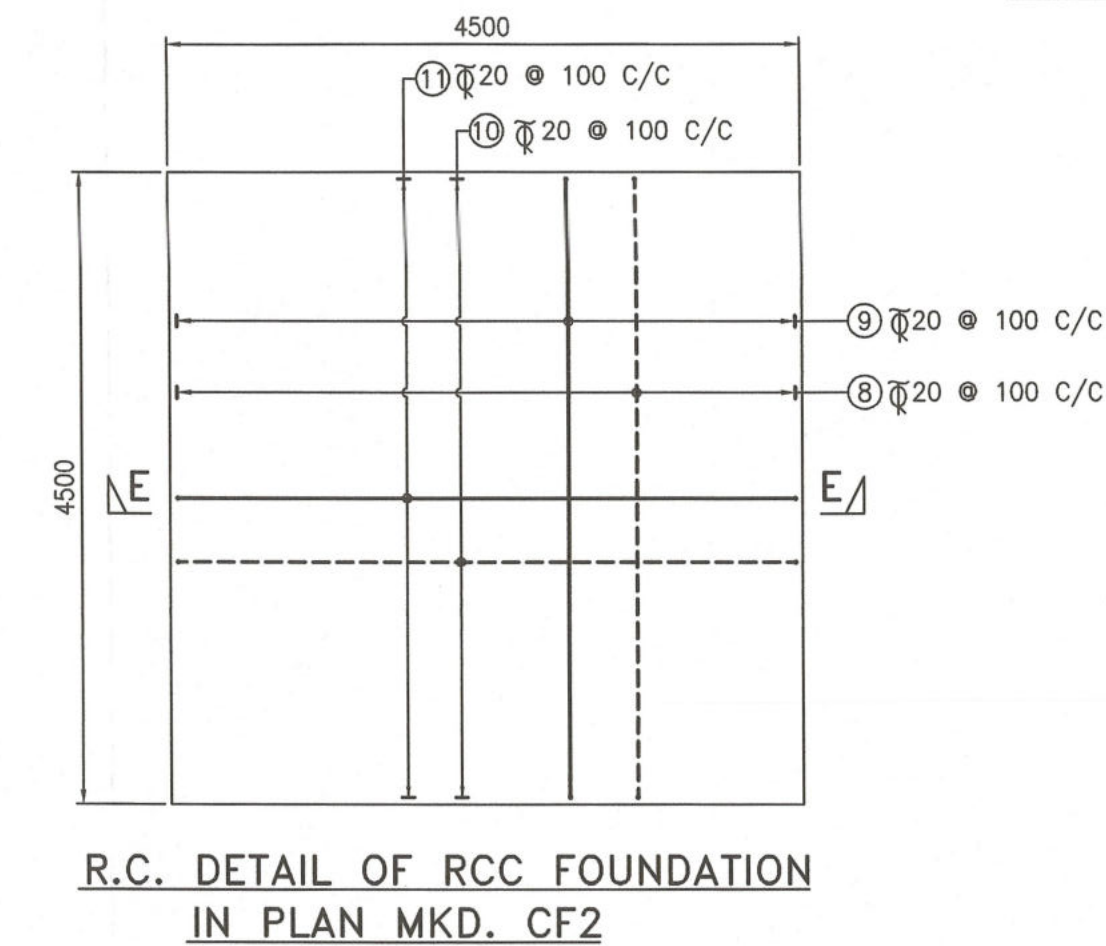
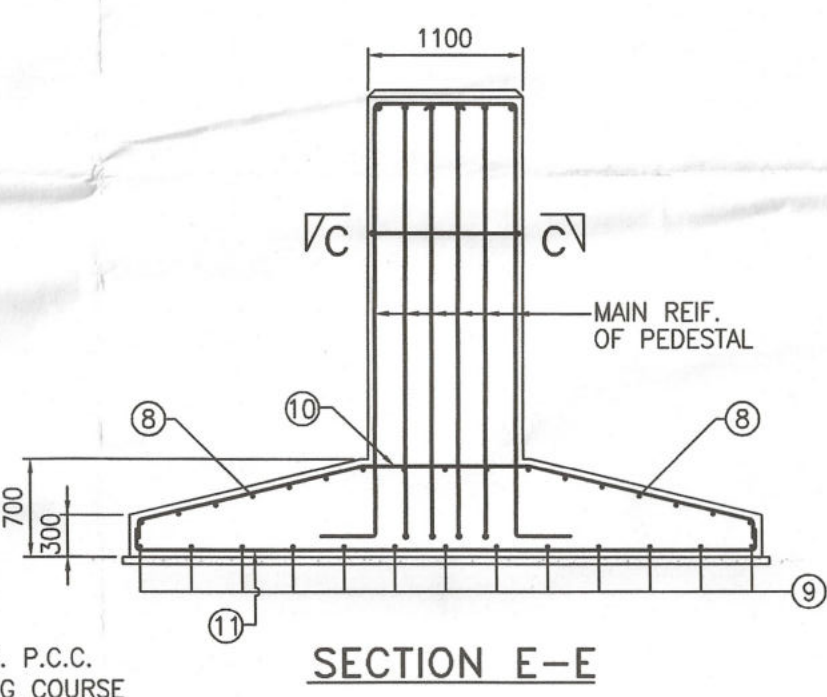
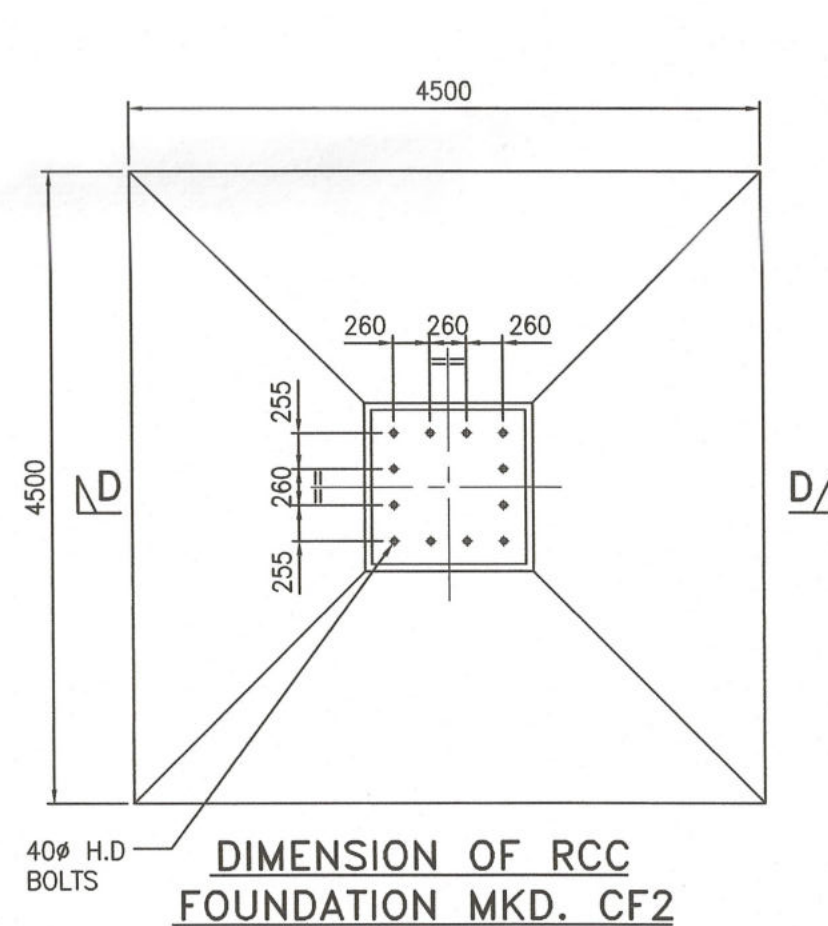
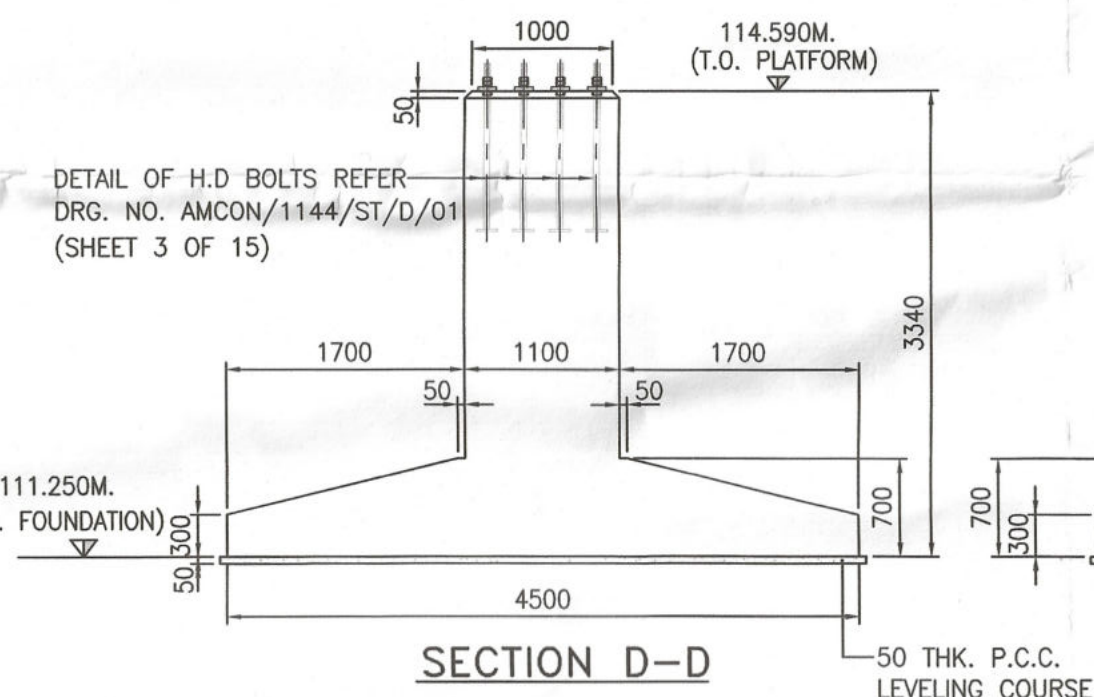
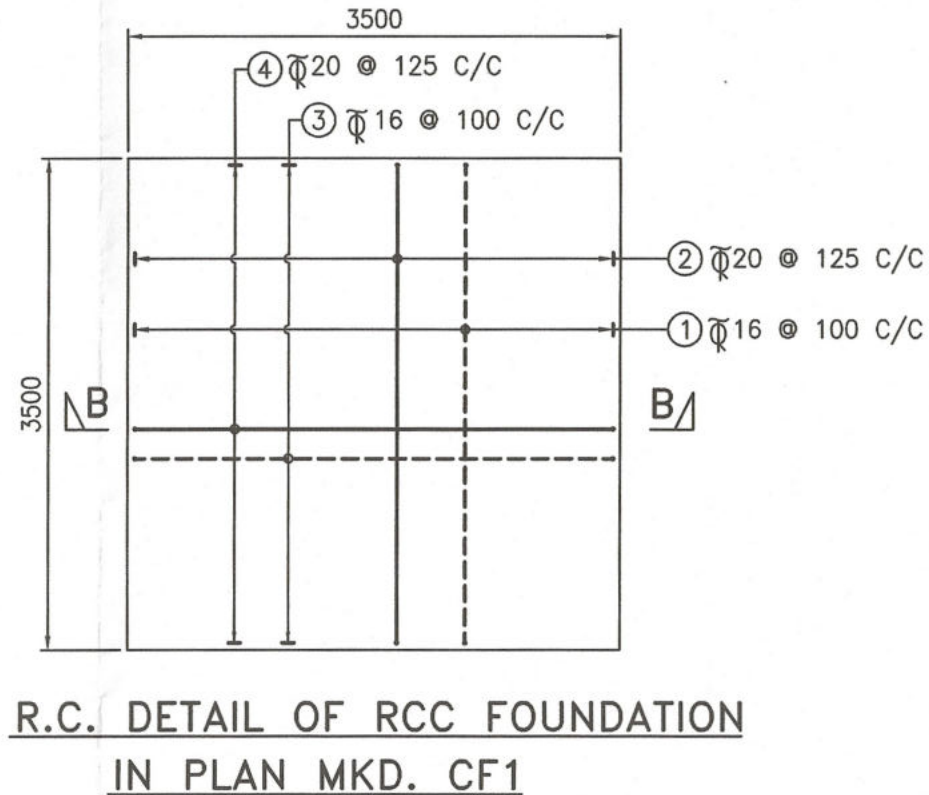
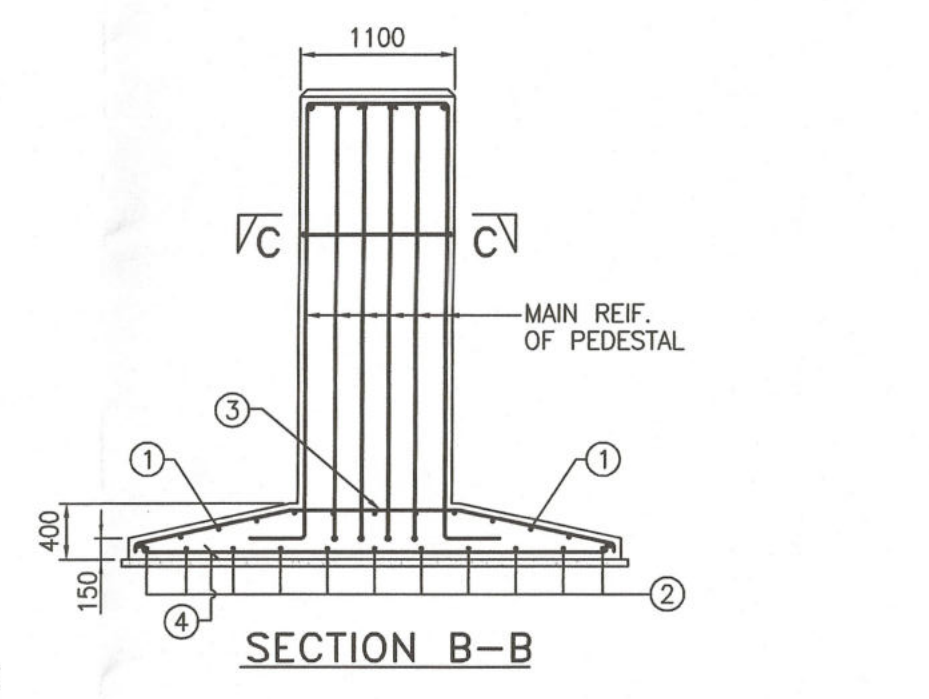
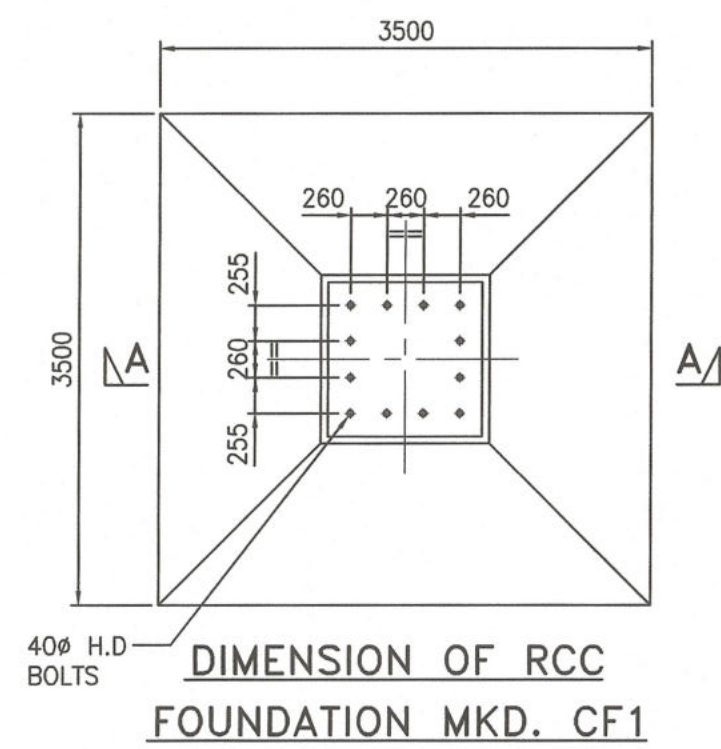
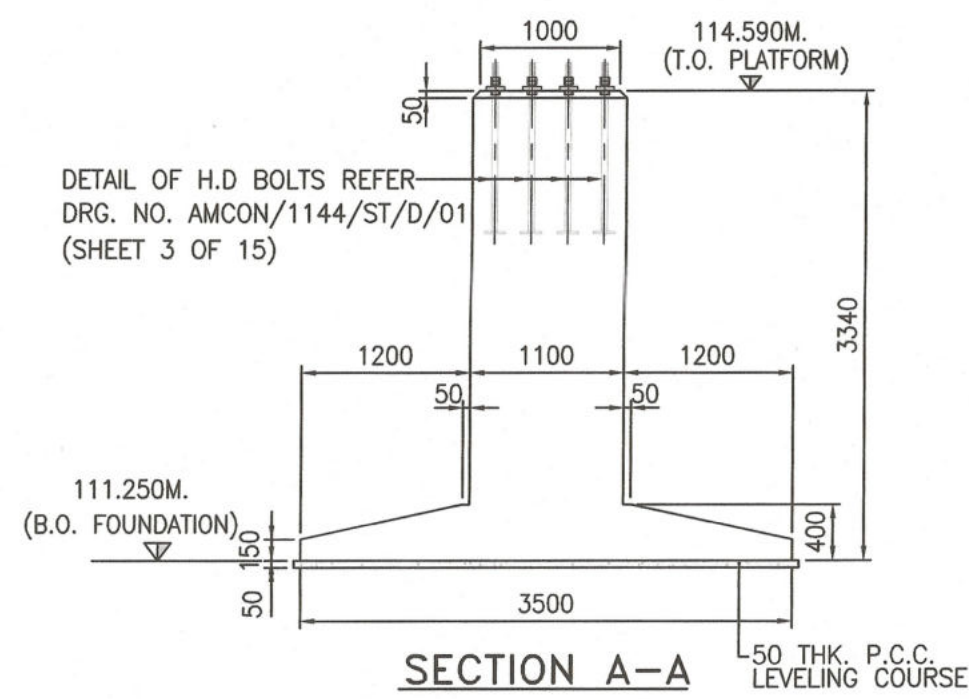
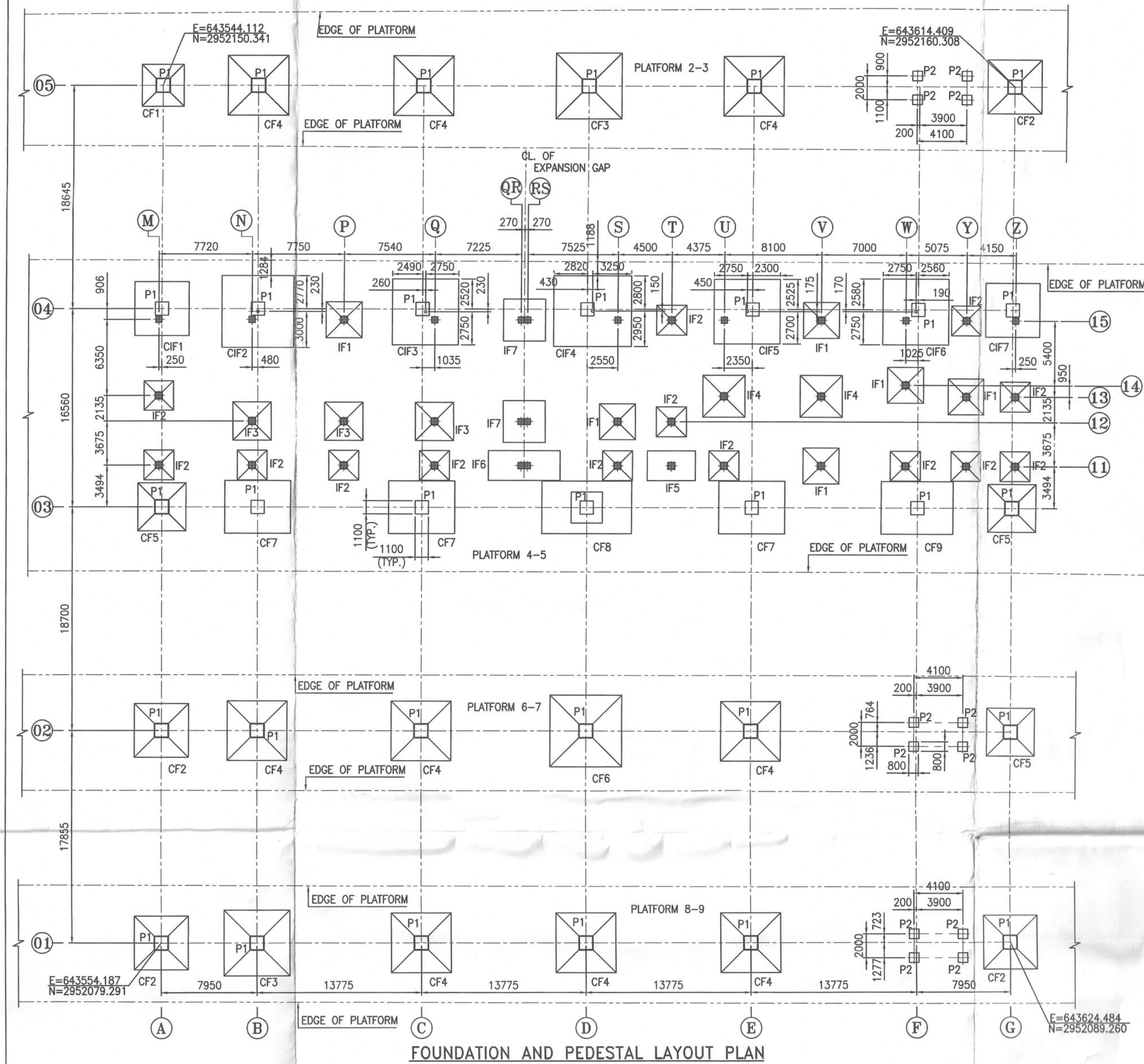




TYPICAL DETAIL OF ANCHORAGE OF COL./PEDESTAL REINFORCEMENT



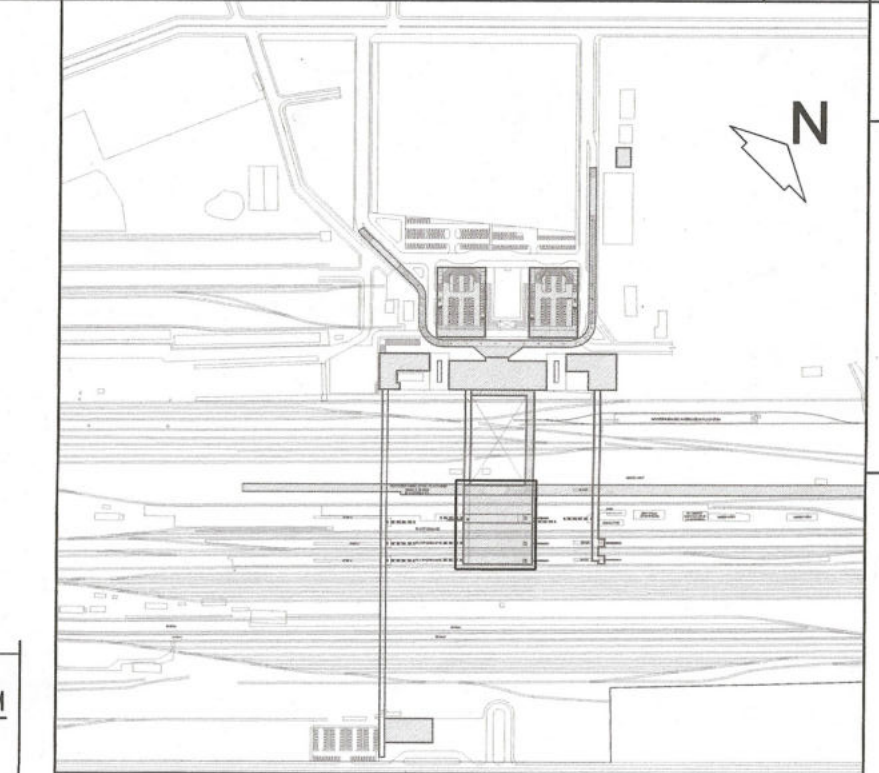
CO-ORDINATES AND ORIENTATION OF THE BUILDING SHALL BE CHECKED AND VERIFIED AT SITE WITH RESPECT TO THE LATEST ARCHITECTURAL DRAWING PRIOR TO CONSTRUCTION

LEGEND:

- TOP REINFORCEMENT SHOWN THUS
- BOTTOM REINFORCEMENT SHOWN THUS

NOTES:

- ALL DIMENSIONS ARE IN MM. & LEVELS ARE IN M. UNLESS MENTIONED OTHERWISE.
- THIS DRG. SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
- GRADE OF CONCRETE SHALL BE AS FOLLOWS:
 - FOR PCC LEVELING COURSE : M15
 - FOR FOUNDATION, COLUMN & PEDESTAL : M30
- ALL REINFORCEMENT BARS SHALL BE HIGH STRENGTH DEFORMED BARS (Fe 500D) CONFORMING TO IS:1786-1979.
- CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
 - FOR PEDESTAL AND FOUNDATION : 50MM.
- LAP JOINT SHALL BE PROVIDED IN STAGGERED MANNER NOT CLOSER THAN 1.3 TIMES THE LAP LENGTH AS GIVEN IN NOTE 7 AND NOT MORE THAN 50% OF THE BARS CAN BE LAPPED AT ANY LOCATION.
- LAP LENGTH OF REINFORCEMENT SHALL BE 40 TIMES THE DIAMETER OF BAR.
- DEVELOPMENT LENGTH SHALL BE 40 TIMES THE DIAMETER OF BAR.
- FOUNDATION SHALL BE CAST IN DRY CONDITION.
- NET SAFE BEARING CAPACITY HAS BEEN CONSIDERED AS 17.0 TON/SQM. AT A DEPTH OF 2.5M BELOW EXISTING GROUND LEVEL AS PER SI REPORT PREPARED BY M/s. BOSE ENGINEERS, HAVING JOB NO. BE-2023-32 REVISION-6 DATED 16.08.23. THE SAME SHALL BE VERIFIED AT THE SITE PRIOR TO CONSTRUCTION.
- THIS DRAWING IS PREPARED BASED ON DRAWING NOS. 2022004/AR/C/SP-006_R2, 2022004/AR/C/ARC-102_R8 AND AMCON/1144/ST/D/01_R0(SHEET 3 OF 15).
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING NOS. 2022004/BS/C/GAD/ARC - 001 (SHEET 2 OF 6 TO 6 OF 6).



Number	Revision Description	Date

DETAILED DESIGN CONSULTANT:
RDS ROY DESIGN STUDIO PVT LTD
CD-106, Sector - I
Salt Lake City, Kolkata - 700064.

DESIGNED BY	CHECKED BY	APPROVED BY
NAME: S. JANA	NAME: T.T. ADHIKARI	NAME: S. SAMADDAR
SIGN: [Signature]	SIGN: [Signature]	SIGN: [Signature]
DATE: 12.02.24	DATE: 12.02.24	DATE: 12.02.24

DESIGN QUALITY ASSURANCE:
THE RESPONSIBILITY OF CHECKING, CORRECTING AND IMPROVING THE DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND THE EPC CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION.

EPC CONTRACTOR:
RAMKRISHNA SINGH CONSTRUCTION PVT. LTD
702, 7TH FLOOR, PANCHWATI PLAZA
KUTCHERY ROAD, RANCHI-834001
JHARKHAND

BY EPC CONTRACTOR	ACCEPTED BY	NAME	SIGNATURE	DATE
		Julkar Ali	[Signature]	12/02/24

PROOF CHECKERS:
LN MALVIYA INFRA PROJECTS GROUP PVT. LTD.

REVIEWED BY	APPROVED BY
NAME: P. S. Malviya	NAME: [Signature]
SIGNATURE: [Signature]	SIGNATURE: [Signature]
DATE: 12/02/24	DATE: 12/02/24

NOTICE OF NO OBJECTION FROM EMPLOYER IS BEING ACCORDED FOR DESIGN PRINCIPLES. HOWEVER, THE OVERALL RESPONSIBILITY FOR THE DETAILING AND DESIGN ACCURACY LIES WITH THE EPC CONTRACTOR.

N F RAILWAY CONSTRUCTION
(GOVERNMENT OF INDIA)
Maligaon, Guwahati
Assam- 781011

SE/CON/MLG	XEN/CON/MLG	DY/CE/CON/MLG	CE/CON/MLG
SIGN: [Signature]	SIGN: [Signature]	SIGN: [Signature]	SIGN: [Signature]

PROJECT TITLE:
MAJOR UPGRADE/REDEVELOPMENT OF NEW JALPAIGURI JN. RAILWAY STATION, IN KATIHAR DIVISION OF NORTH EAST FRONTIER RAILWAY, WEST BENGAL.

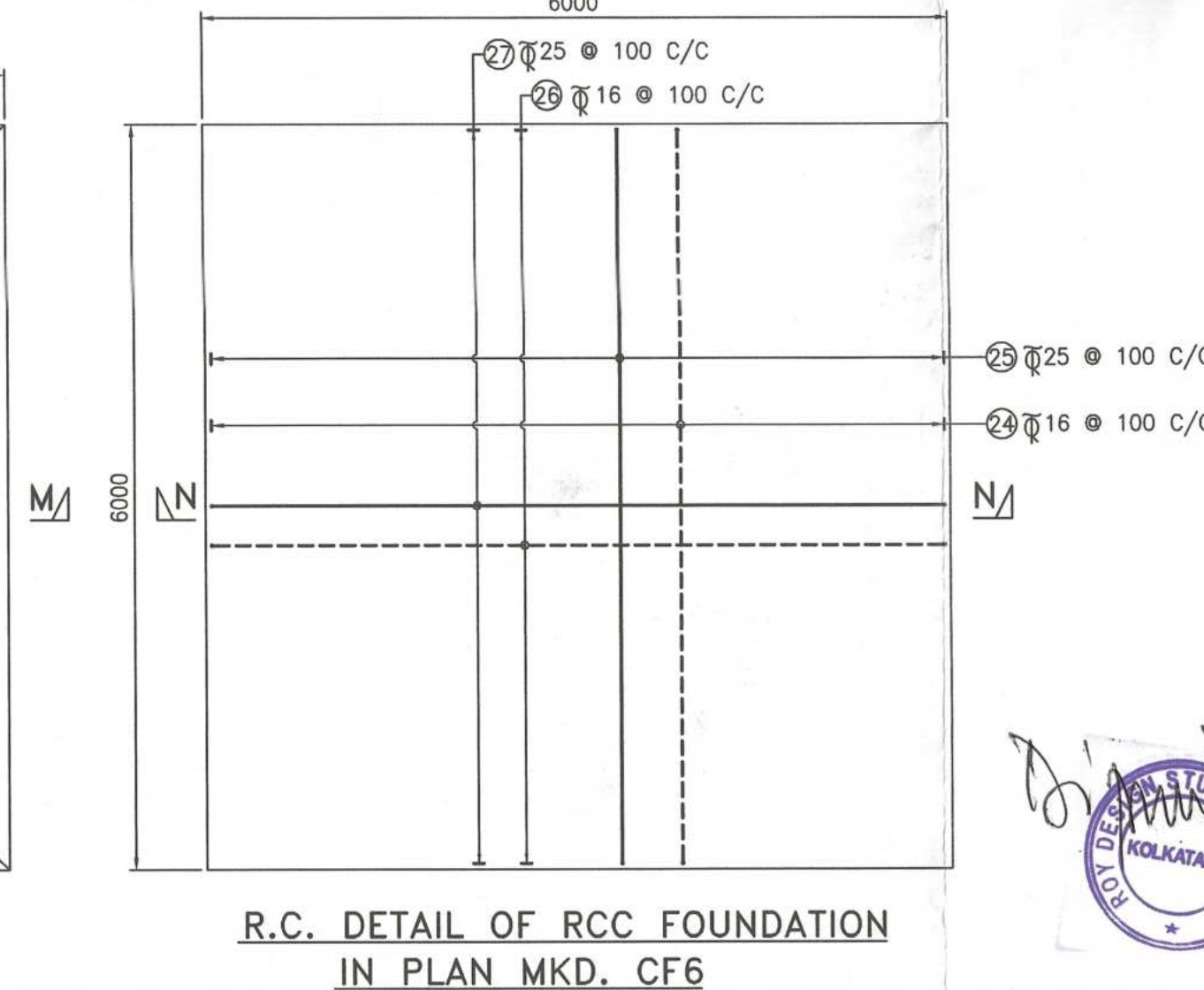
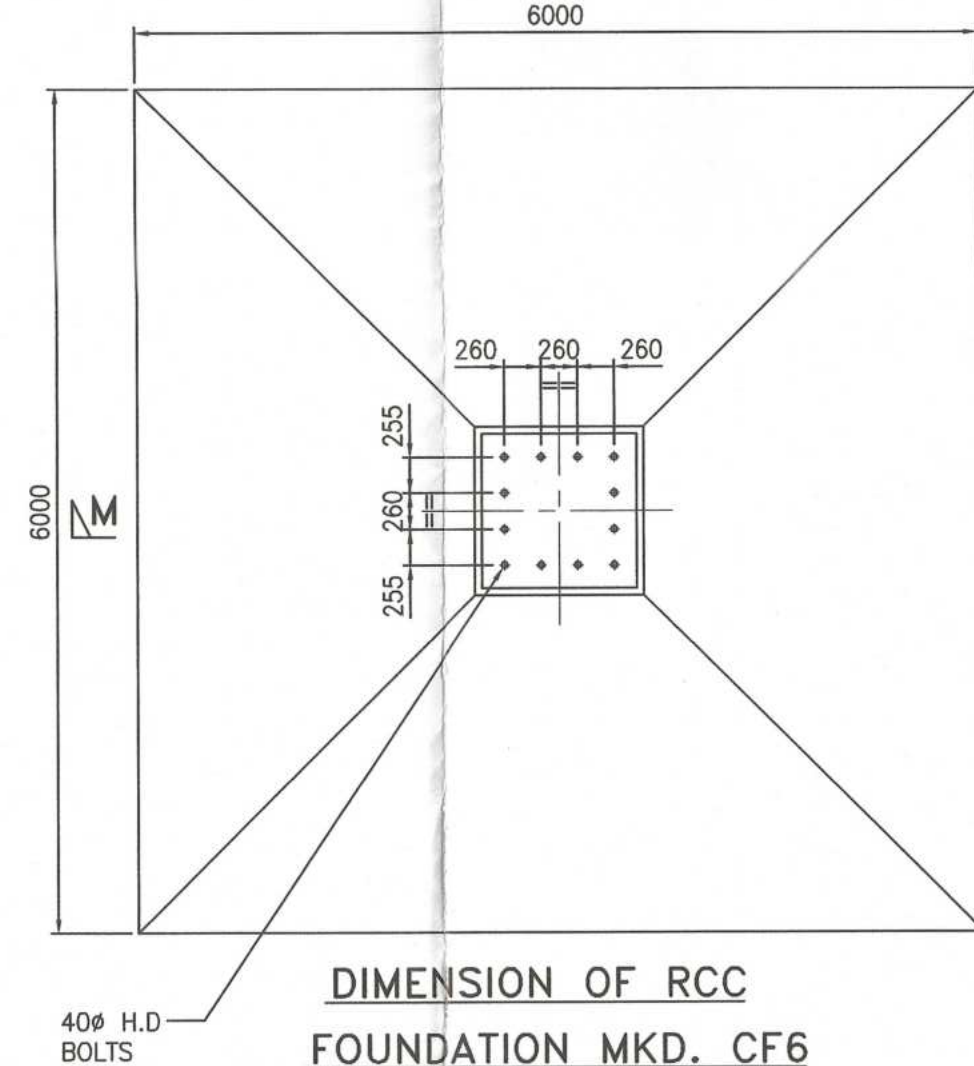
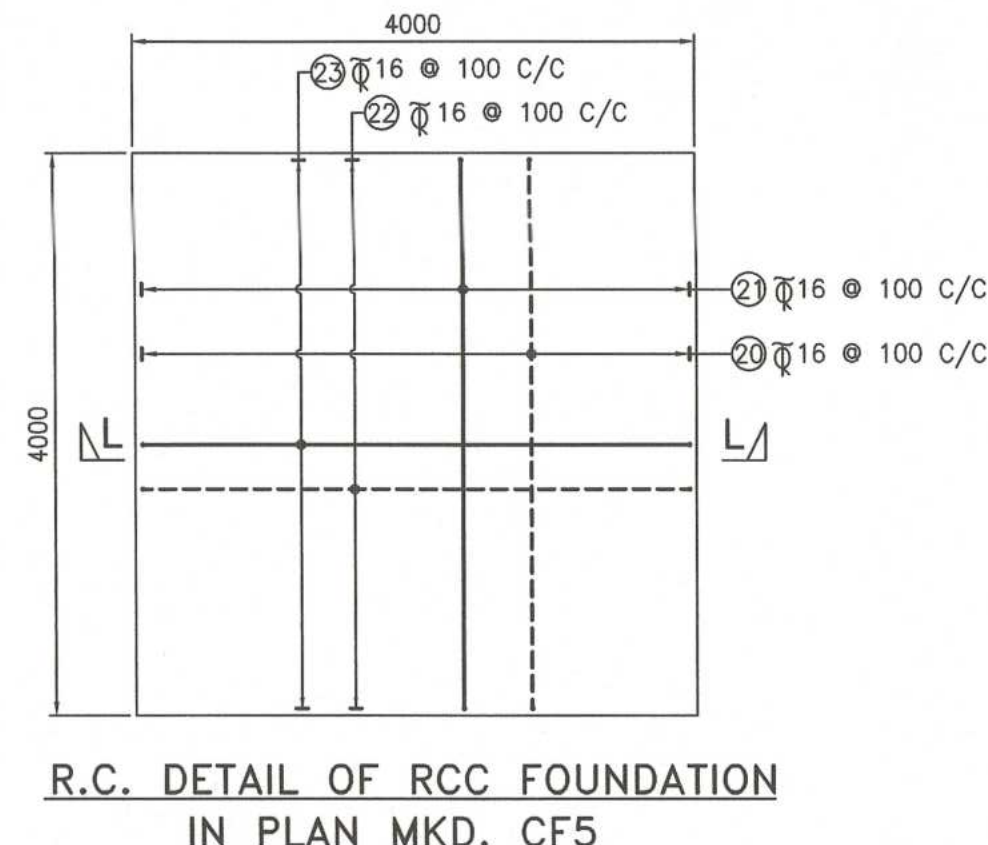
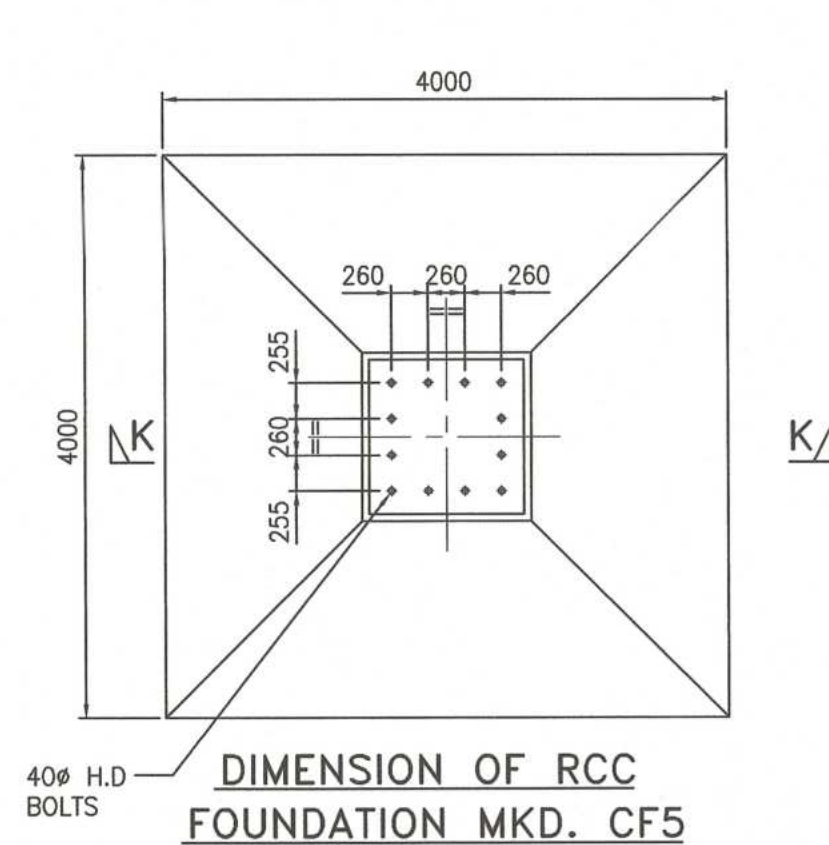
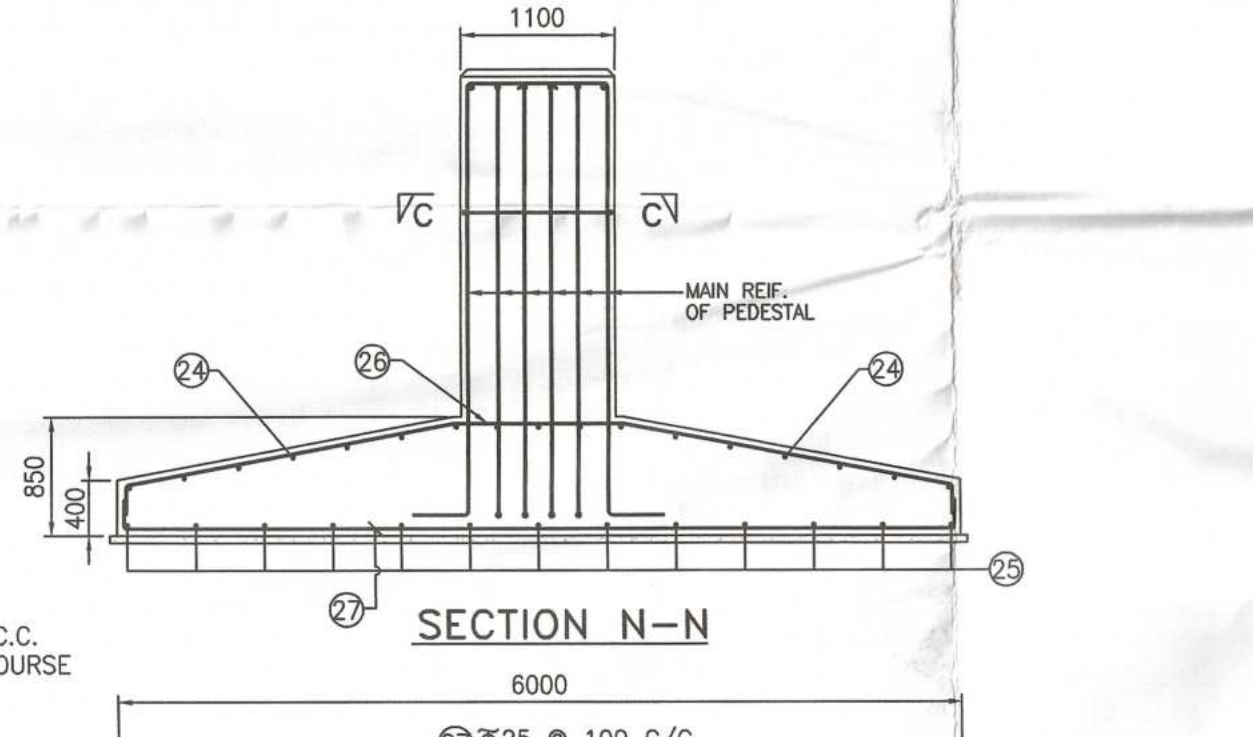
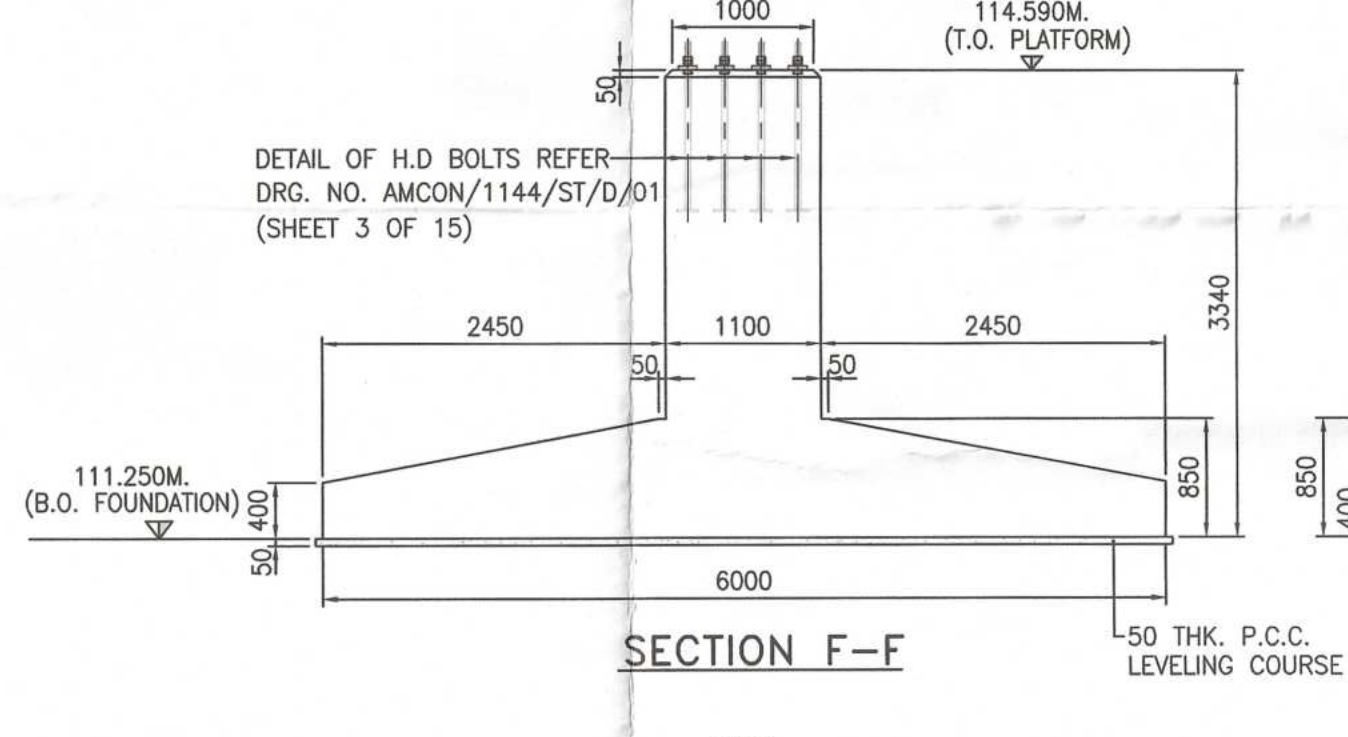
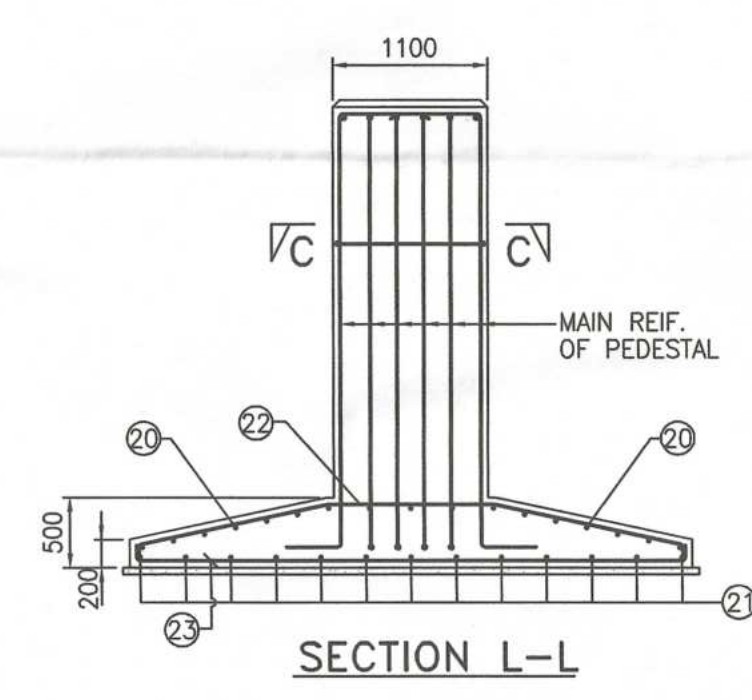
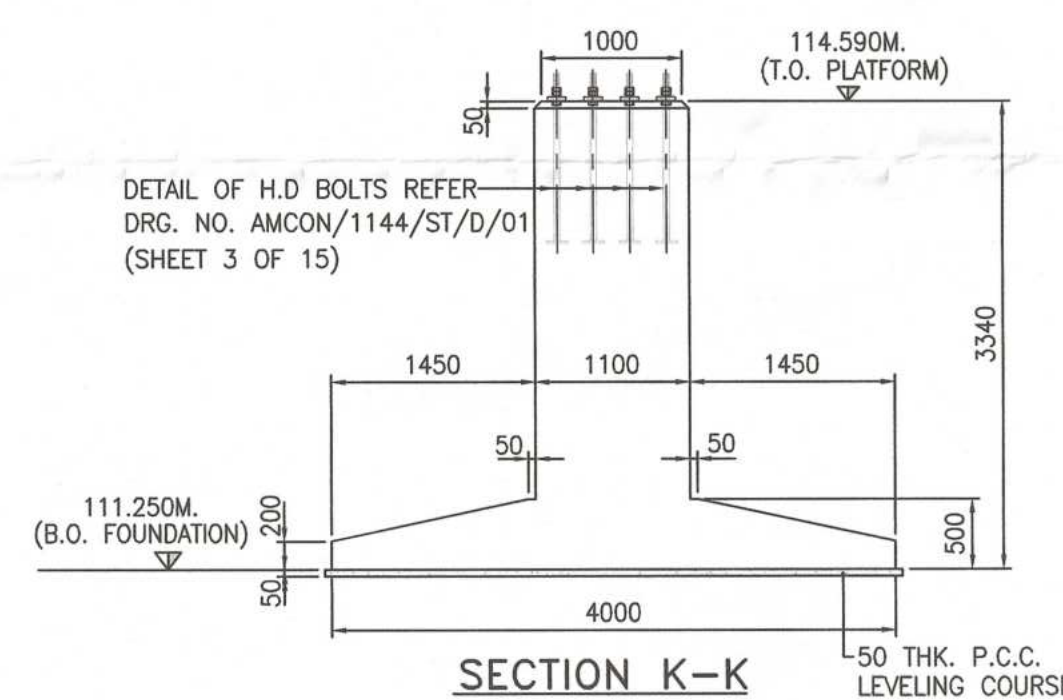
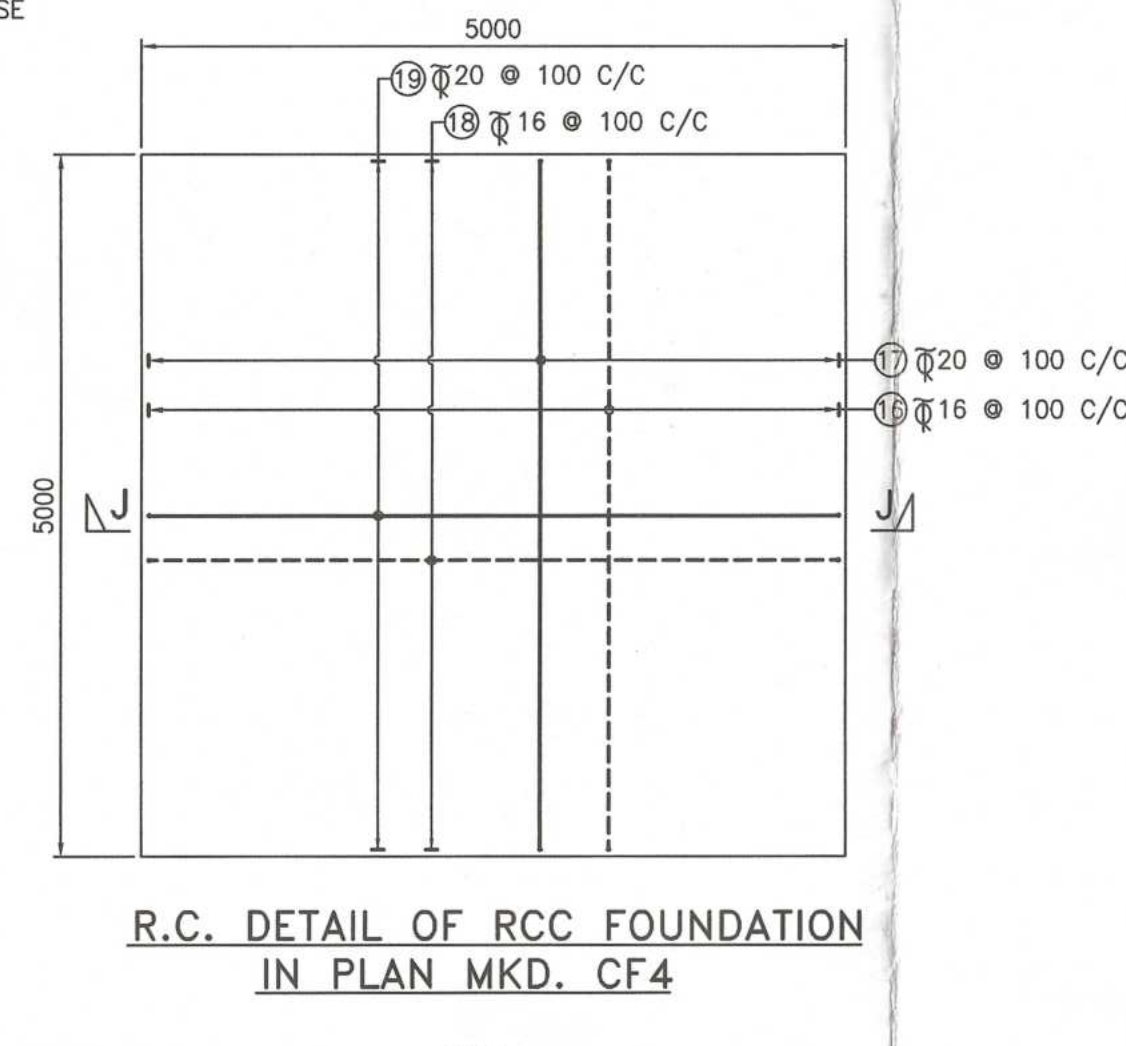
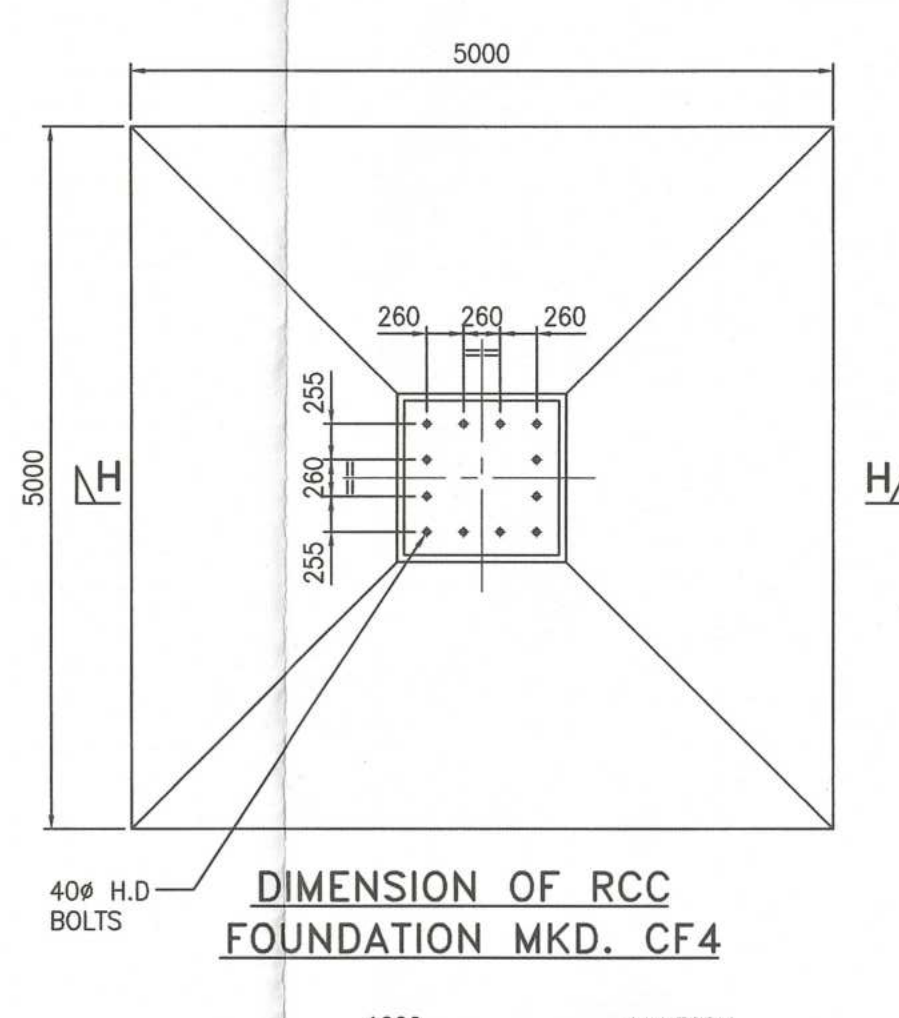
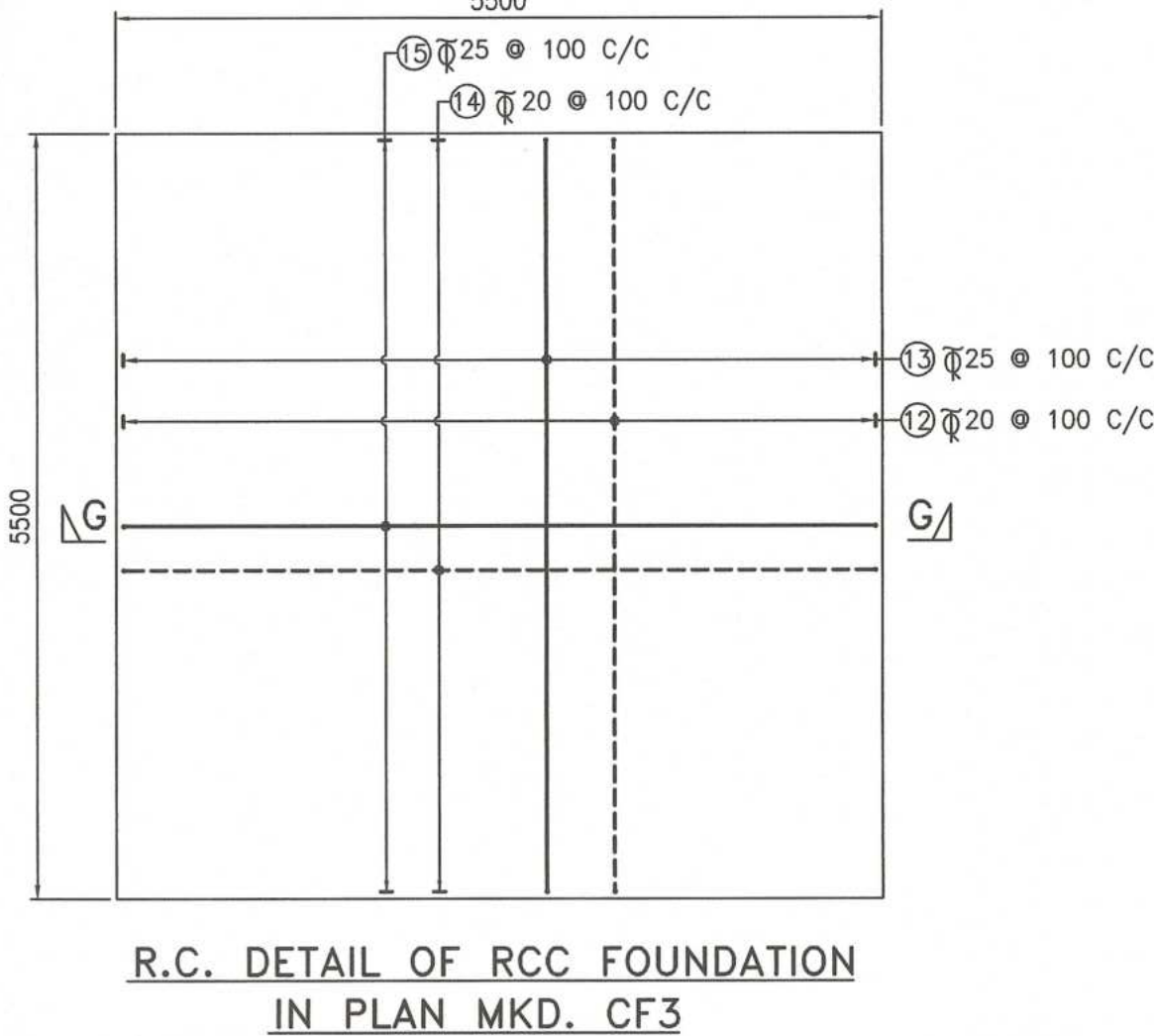
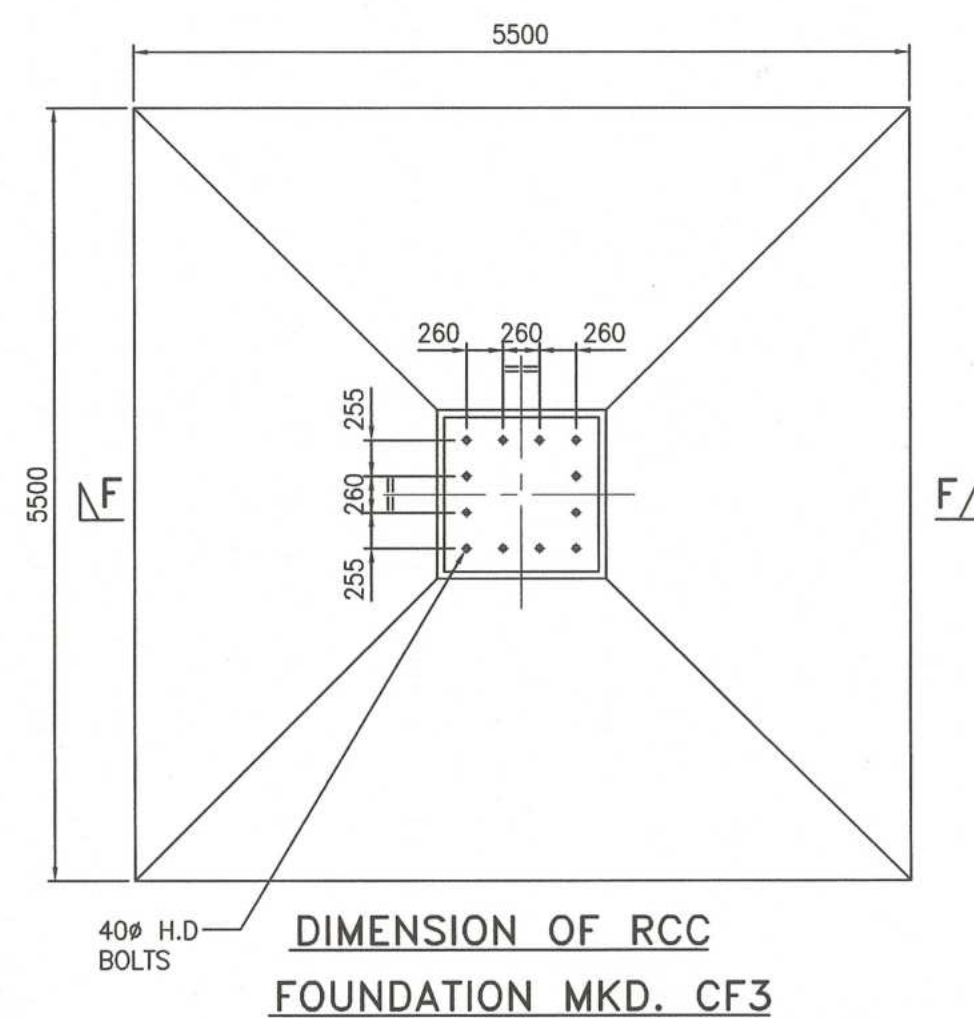
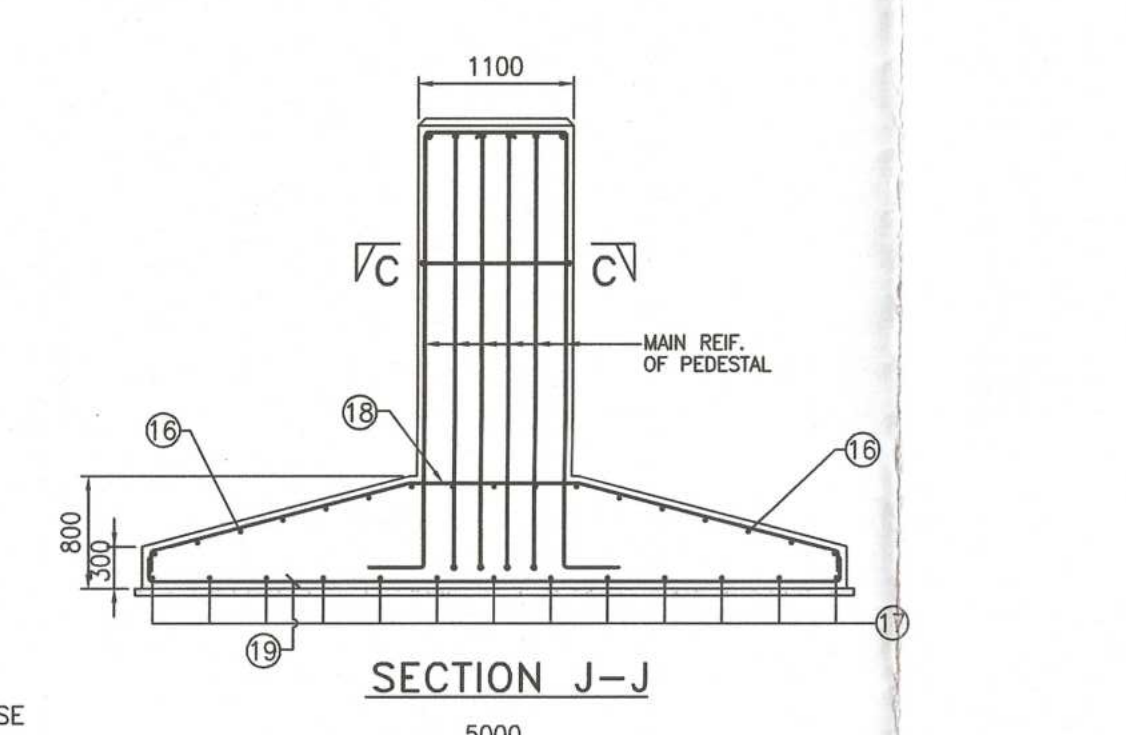
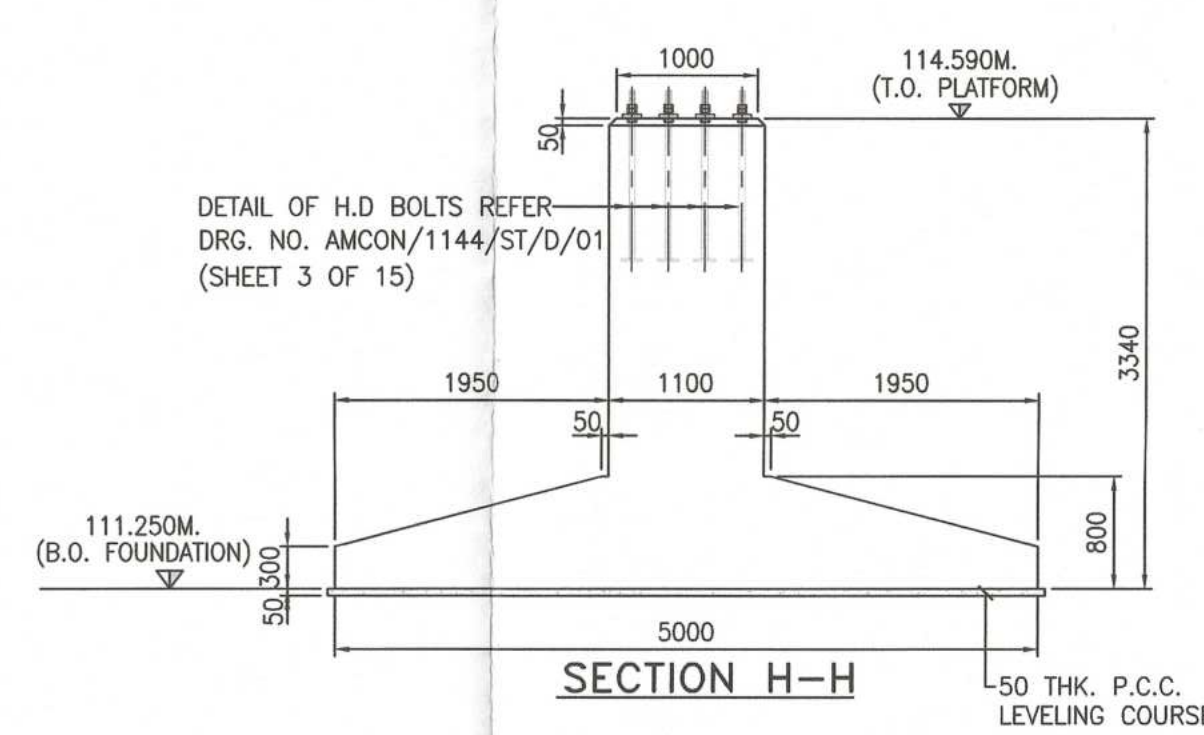
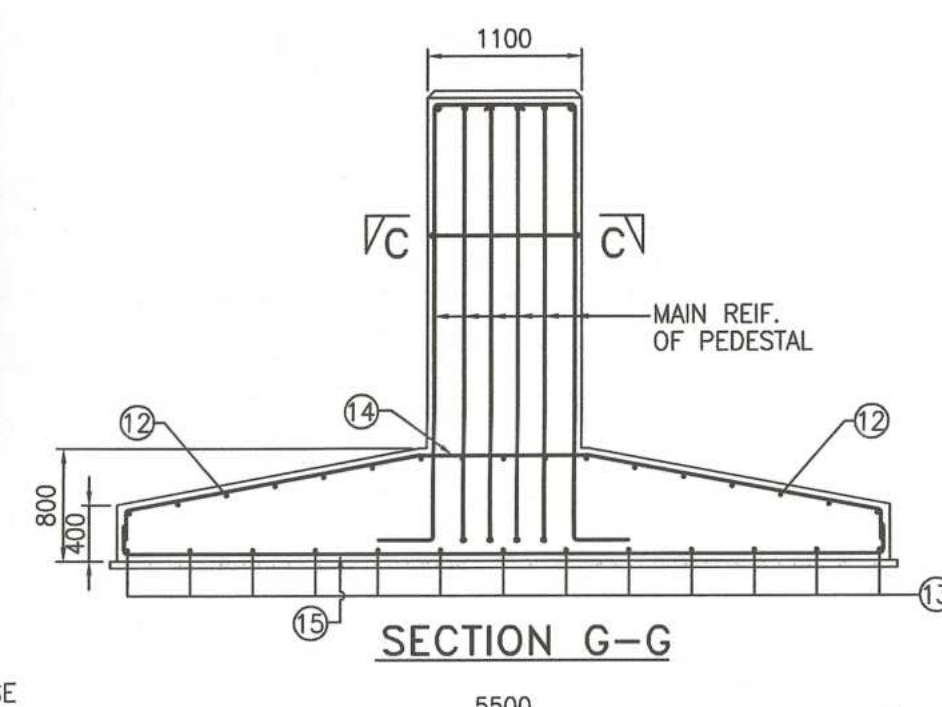
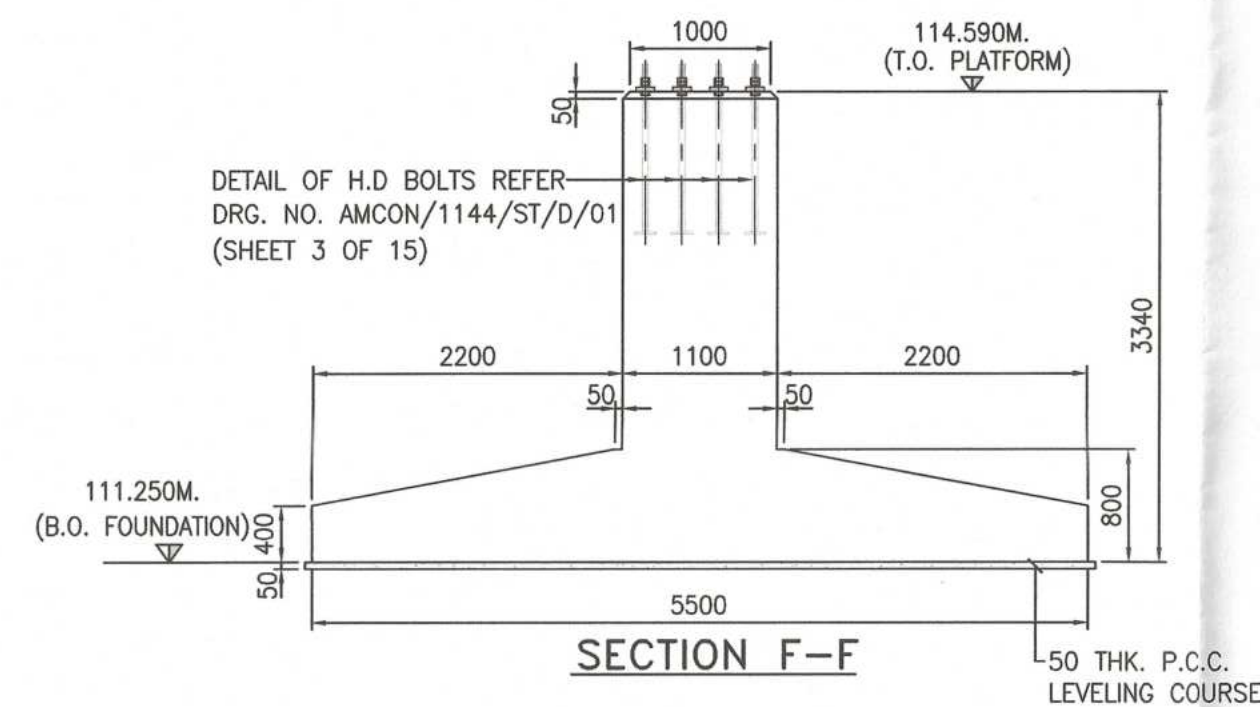
DRAWING DISCIPLINE	DRAWING STAGE	PURPOSE
STRUCTURAL		FOR APPROVAL

BUILDING:	DRAWING TITLE:
AIR CONCOURSE AND IMMIGRATION	LAYOUT & R.C. DETAILS OF FOUNDATIONS AND PEDESTALS FOR AIR CONCOURSE AND IMMIGRATION BUILDING

DATE:	DRAWING NO.:	REVISION:
12.02.24	2022004/BS/C/ARC-001(SHEET 1 OF 6)	R0

SCALE: 1:250, 50:25

Dr. Hrishikesh Sharma
Associate Professor / M.Tech. in Structural Engineering
Department of Civil Engineering
Indian Institute of Technology Guwahati
Guwahati-781039 India
Guwahati 781039, India



LEGEND:

- TOP REINFORCEMENT SHOWN THUS
- BOTTOM REINFORCEMENT SHOWN THUS

NOTES :

1. ALL DIMENSIONS ARE IN MM. & LEVELS ARE IN M. UNLESS MENTIONED OTHERWISE.
2. THIS DRG. SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING NOS.

2022004/BS/C/GAD/ARC - 001 (SHEET 2 OF 6 TO 6 OF 6).

DETAILED DESIGN CONSULTANT:
RDS ROY DESIGN STUDIO PVT LTD
CD-106, Sector - I
Salt Lake City, Kolkata - 700064.

DESIGNED BY	CHECKED BY	APPROVED BY
NAME: S. JANA	NAME: T. ADHIKARI	NAME: S. SAMADDAR
SIGN: [Signature]	SIGN: [Signature]	SIGN: [Signature]
DATE: 12.02.24	DATE: 12.02.24	DATE: 12.02.24

DESIGN QUALITY ASSURANCE:
THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, COMPLETENESS, INTEGRITY & FULL COMPLIANCE OF CONTRACT REQUIREMENTS IN RESPECT OF DESIGN PANELS & DRAWINGS RESTS WITH THE DESIGN CONSULTANT & THE EPC CONTRACTOR.

EPC CONTRACTOR:
RAMKRIPAL SINGH CONSTRUCTION PVT. LTD
702, 7TH FLOOR, PANCHWATI PLAZA
KUTCHERY ROAD, RANCHI-834001
JHARKHAND

BY EPC CONTRACTOR	ACCEPTED BY	NAME	SIGNATURE	DATE
		NAME: Jitlikar Ali	SIGNATURE: [Signature]	DATE: 02/02/24

THE DRAWING INCLUDING ITS DESIGN & DETAILING HAS BEEN CHECKED INDEPENDENTLY IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT AND FOUND SUITABLE FOR THE EXECUTION PURPOSE.

PROOF CHECKERS

LN MALVIYA INFRA PROJECTS GROUP PVT.LTD.

REVIEWED	Lead Designer	APPROVED BY	NAME	SIGNATURE	DATE
			NAME: [Signature]	SIGNATURE: [Signature]	DATE: [Signature]

NOTICE OF NO OBJECTION FROM EMPLOYER IS BEING ACCORDED FOR DESIGN PRINCIPLES, HOWEVER, THE OVERALL RESPONSIBILITY FOR THE DETAILING AND DESIGN ACCURACY LIES WITH THE REGIONAL BUILD CONTRACTOR.

EMPLOYER

N F RAILWAY CONSTRUCTION
(GOVERNMENT OF INDIA)
Maligaon, Guwahati
Assam- 781011

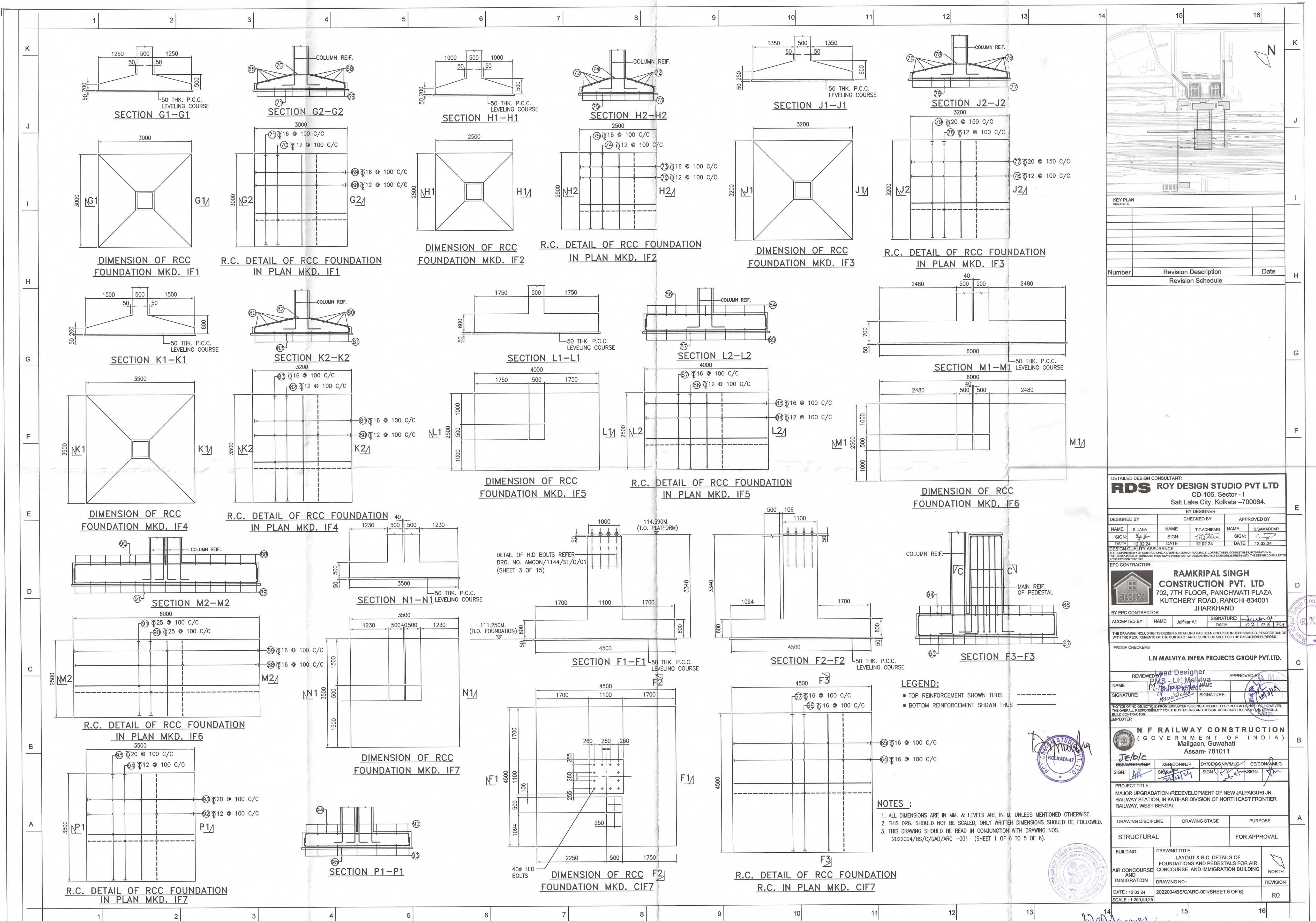
SS/AN/CON/MP	XEN/CON/MP	DY/CE/CON/VML/G	CE/CON/VML/G
SIGN: [Signature]	SIGN: [Signature]	SIGN: [Signature]	SIGN: [Signature]

PROJECT TITLE:
MAJOR UPGRADE/REDEVELOPMENT OF NEW JALPAIGURI JN. RAILWAY STATION, IN KATHAR DIVISION OF NORTH EAST FRONTIER RAILWAY, WEST BENGAL.

DRAWING DISCIPLINE	DRAWING STAGE	PURPOSE
STRUCTURAL		FOR APPROVAL

BUILDING:	DRAWING TITLE:	REVISION
AIR CONCOURSE AND IMMIGRATION	LAYOUT & R.C. DETAILS OF FOUNDATIONS AND PEDESTALS FOR AIR CONCOURSE AND IMMIGRATION BUILDING	
DATE: 12.02.24	DRAWING NO: 2022004/BS/C/ARC-001(SHEET 2 OF 6)	RO
SCALE: 1:250,50:25		

Dr. Arishu Chandra
Asst. Genl. Manager
Indian Railway Construction Corporation Ltd.
New Delhi-110001



DETAILED DESIGN CONSULTANT:
RDS ROY DESIGN STUDIO PVT LTD
CD-106, Sector - I
Salt Lake City, Kolkata -700064.

BY DESIGNER
DESIGNED BY: S. JANA
CHECKED BY: T. ADHIKARI
APPROVED BY: S. SAMADDAR
SIGN: [Signature]
DATE: 12.02.24

DESIGN QUALITY ASSURANCE:
THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION & FULL COMPLIANCE OF CONTRACT PROVISIONS IN RESPECT OF DESIGN ANALYSIS & DRAWINGS RESTS WITH THE DESIGN CONSULTANT & THE EPC CONTRACTOR.

EPC CONTRACTOR:
RAMKRIPAL SINGH CONSTRUCTION PVT. LTD
702, 7TH FLOOR, PANCHWATI PLAZA
KUTCHERY ROAD, RANCHI-834001
JHARKHAND

BY EPC CONTRACTOR
ACCEPTED BY: NAME: Jyoti Kar Ali
SIGNATURE: [Signature]
DATE: 12.02.24

PROOF CHECKERS
REVIEWED BY: Lead Designer
NAME: L.N. MALVIYA
SIGNATURE: [Signature]

APPROVED BY: [Signature]
NAME: [Name]
SIGNATURE: [Signature]

NOTICE OF NO OBJECTION FROM EMPLOYER IS BEING ACCORDED FOR DESIGN PANEL FILE, HOWEVER, THE OVERALL RESPONSIBILITY FOR THE DETAILING AND DESIGN ACCURACY LIES WITH THE DESIGN & BUILD CONTRACTOR.

EMPLOYER
N F RAILWAY CONSTRUCTION (GOVERNMENT OF INDIA)
Maligaon, Guwahati
Assam- 781011

JE/D/C
SIGN: [Signature]
XEN/CON/JP
SIGN: [Signature]
DY/CE/CON/MLG
SIGN: [Signature]
CE/CON/MLG
SIGN: [Signature]

PROJECT TITLE:
MAJOR UPGRADE/REDEVELOPMENT OF NEW JALPAIGURI JN. RAILWAY STATION, IN KATHAR DIVISION OF NORTH EAST FRONTIER RAILWAY, WEST BENGAL.

DRAWING DISCIPLINE: STRUCTURAL
DRAWING STAGE: FOR APPROVAL
PURPOSE: NORTH

BUILDING: AIR CONCOURSE AND IMMIGRATION
DRAWING TITLE: LAYOUT & R.C. DETAILS OF FOUNDATIONS AND PEDESTALS FOR AIR CONCOURSE AND IMMIGRATION BUILDING
DRAWING NO.: 2022004/BS/C/ARC-001(SHEET 6 OF 6)
DATE: 12.02.24
SCALE: 1:250, 50:25

REVISION: R0



Asst. Project Engineer
Department of Railway Engineering
Jalpaiguri Division
Jalpaiguri, West Bengal
786001