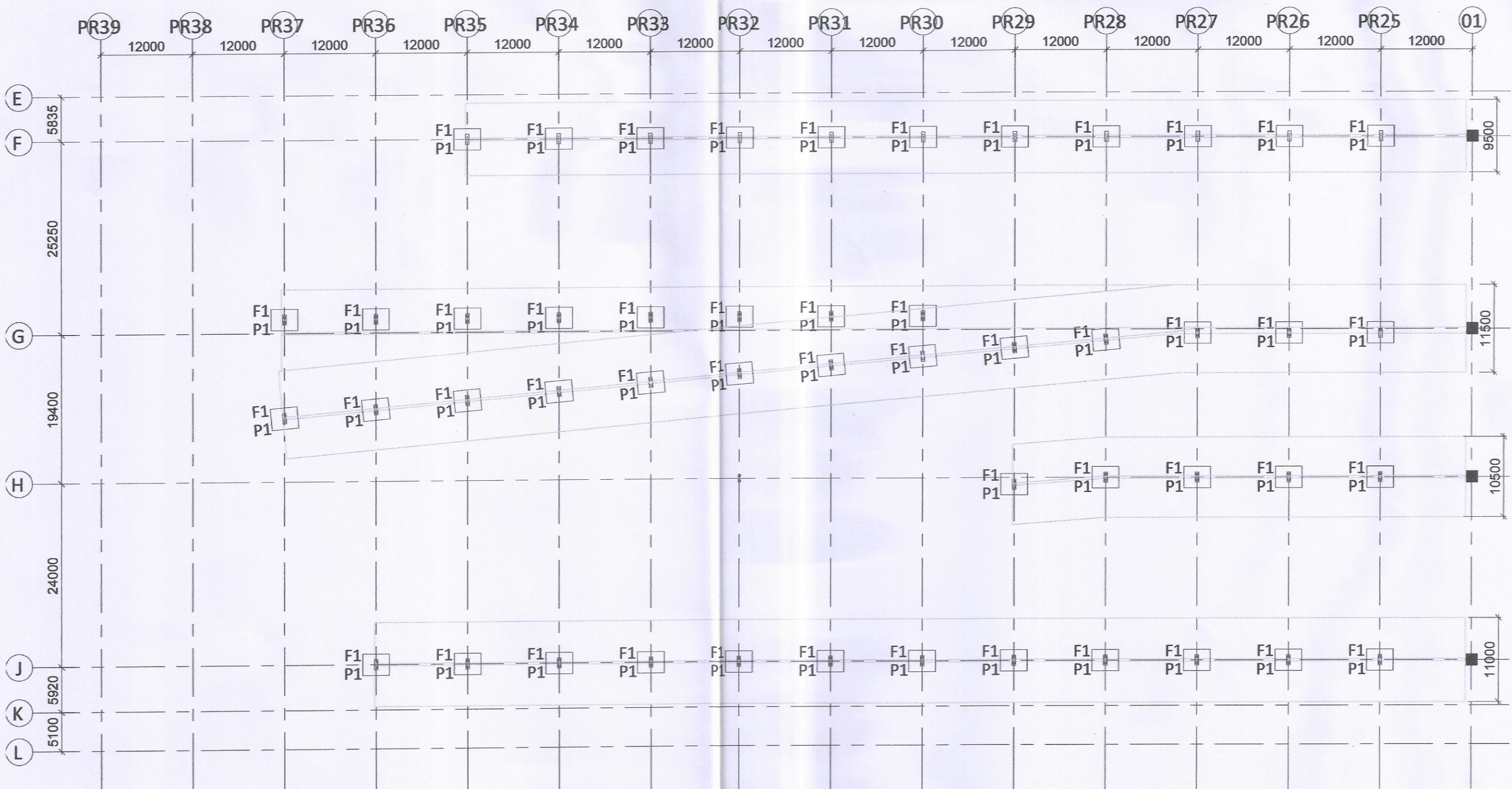


1 Platform-North side
1 : 500



2 Platform-South side
1 : 500

CONSTRUCTURE
DESIGNS PVT.LTD
APPROVED FOR CONSTRUCTION
Date 29.06.2023

PROOF CONSULTANT
IIT MADRAS
Dr. S.R. Satish Kumar
Professor
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai - 600 036, INDIA

Consultant-Structural

CDPL

Design By: [Signature]

Checked By: [Signature]

Design Director: [Signature]

Consultant-Architect+MEP

ANA Design

Design By: [Signature]

Checked By: [Signature]

Design Director: [Signature]

EPC Contractor

ACIL

Design Director: [Signature]

Checked By: [Signature]

Design Director: [Signature]

Authority Engineer (V)

VSPL

Design By: [Signature]

Checked By: [Signature]

Design Director: [Signature]

Proof Consultant

IIT Madras

Design By: [Signature]

Checked By: [Signature]

Design Director: [Signature]

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.

3. PLEASE DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.

4. PLEASE REFER CO-ORDINATED LAYOUT.

NOTES:

1. ALL DIMENSIONS ARE IN MM.

2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.

3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRS.

4. STEEL BEAM & COLUMN GRADE E 430 FOR UBVC SECTION GRADE E 350 FOR HUBVC SECTION GRADE YST 310

5. BOLTS GRADE 8.8 HIGH TENSION

6. SPRAY APPLIED FIRE PROOFING FOR 3 HOURS SHALL BE CEMENTITIOUS VERMICULITE (NON GYPSUM BASED) WITH MINIMUM DENSITY > 350 KG/CUM AND BOND ADHESIVE STRENGTH OF > 400 KPA AS PER ASTM E708 AND COMPRESSIVE STRENGTH > 100 KPA AS PER ASTM E 781

7. 1) COLUMNSHEAR WALL SHALL BE OF 4 HOUR FIRE RATING. 2) BEAM SHALL BE OF 2 HOUR FIRE RATING. 3) SLAB SHALL BE OF 2 HOUR FIRE RATING. 4) CONG. MIX FOR CONCRETE SLAB SHALL BE 1:1 FLOOR DECK SLAB M-40 5) TOP REINF. SHOULD BE PLACED 30MM BELOW THE TOP OF THE CONCRETE. 6) BOTTOM REINF. SHOULD BE PLACED 50MM ABOVE THE BOTTOM OF THE CONCRETE. 7. STEEL DECK GRADE E 350 8. ALL SHEAR STUDS OF GRADE E-350 SHALL BE 10mm Dia @ 200mm DIA 120mm HEIGHT. 9. REINFORCEMENT SHALL BE TMT BARS OF GRADE Fe 500D AND CONFORMING TO IS 1786-2008.

11. REINFORCEMENT SHALL BE TMT BARS OF GRADE Fe 500D AND CONFORMING TO IS 1786-2008.

REVISION DESCRIPTION:

NO. DESCRIPTION DATE

1. DESIGN QUALITY ASSURANCE

2. THE DRAWING HAS BEEN PREPARED BASED ON ACTUAL SITE SURVEY AND OTHER TERMS AND CONDITIONS OF THE EPC AGREEMENT. RESPONSIBILITY OF ACCURACY CORRECTNESS, COMPLETENESS AND INTEGRITY AND FULL COMPLIANCE OF RELEVANT CODES AND MANUALS/ RULES. (AS PER EPC AGREEMENT PROVISIONS) RESTS WITH DESIGN CONSULTANT AND CONTRACTOR.

CONSULTANT: STRUCTURE

CONSTRUCTURE DESIGN P1 LTD

STRUCTURE ENGINEER

CONSULTANT: ARCHITECT + MEP SERVICES

ANA DESIGN STUDIO PVT. LTD.

ARCHITECT / ENGINEER

EPC CONTRACTORS:

AHLUWALIA CONTRACTS (INDIA) LTD.

CHECKED BY:

DESIGN DIRECTOR:

DESIGN QUALITY ASSURANCE

THE DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN CHECKED IN ACCEPTANCE WITH THE REQUIREMENT OF EPC AGREEMENT AND FOUND SUITABLE FOR EXECUTION PURPOSE.

PMC:

VOYANTS SOLUTIONS PRIVATE LIMITED

PROJECT ARCHITECT:

TEAM LEADER:

DESIGN QUALITY ASSURANCE

NOTICE OF NO OBJECTION FROM IITM IS BEING ACCORDED FOR DESIGN PRINCIPLES BASED ON THE RECOMMENDATIONS OF THE ARCHITECT (ANA DESIGN STUDIO) AND PROPOSED BY THE CONTRACTOR. HOWEVER THE OVERALL RESPONSIBILITY OF CORRECTNESS OF DESIGN, DETAILING COMPLIANCE WITH EPC AGREEMENT, RELEVANT CODES, STANDARDS, STATUTORY REGULATIONS, DESIGN ACCURACY LIES WITH THE ARCHITECTURE DESIGN CONSULTANTS AND THE CONTRACTOR (AHLUWALIA CONTRACTS (INDIA) LTD.)

CLIENT:

RAIL LAND DEVELOPMENT AUTHORITY

APR/COG

DMPC/COG

CPM/COG

MINISTRY OF RAILWAYS

KEY PLAN:

PROJECT NAME:

LIGHTHOUSE PROJECT FOR UP-GRADATION OF CHANDIGARH RAILWAY STATION

CHANDIGARH, PUNJAB & HARYANA

SHEET SIZE:

A1

SCALE:

1:100

DRAWING TITLE:

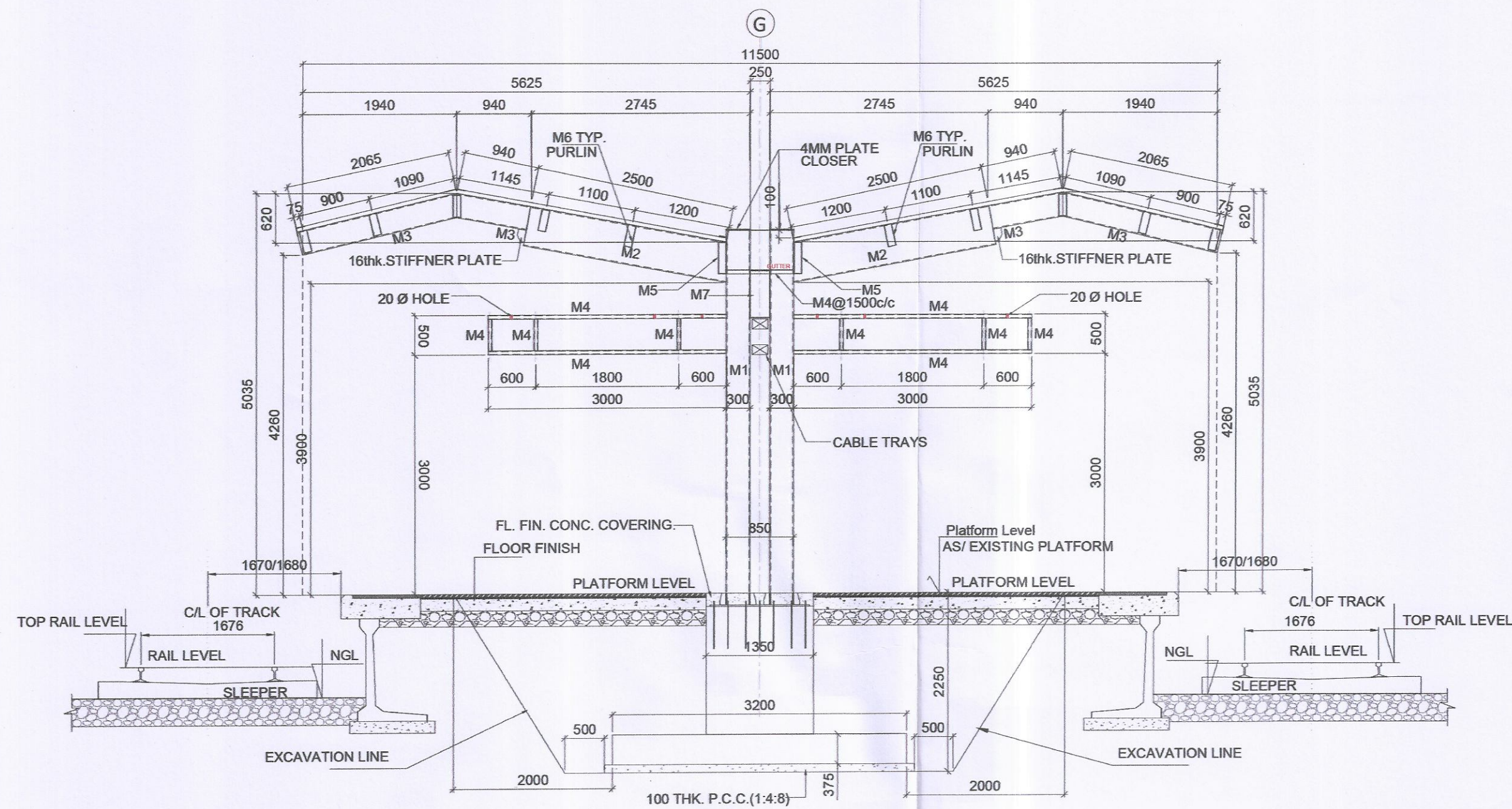
COP FOUNDATION LOCATION PLAN AT PLATFORM-NORTH AND SOUTH SIDE

DRAWING NO.:

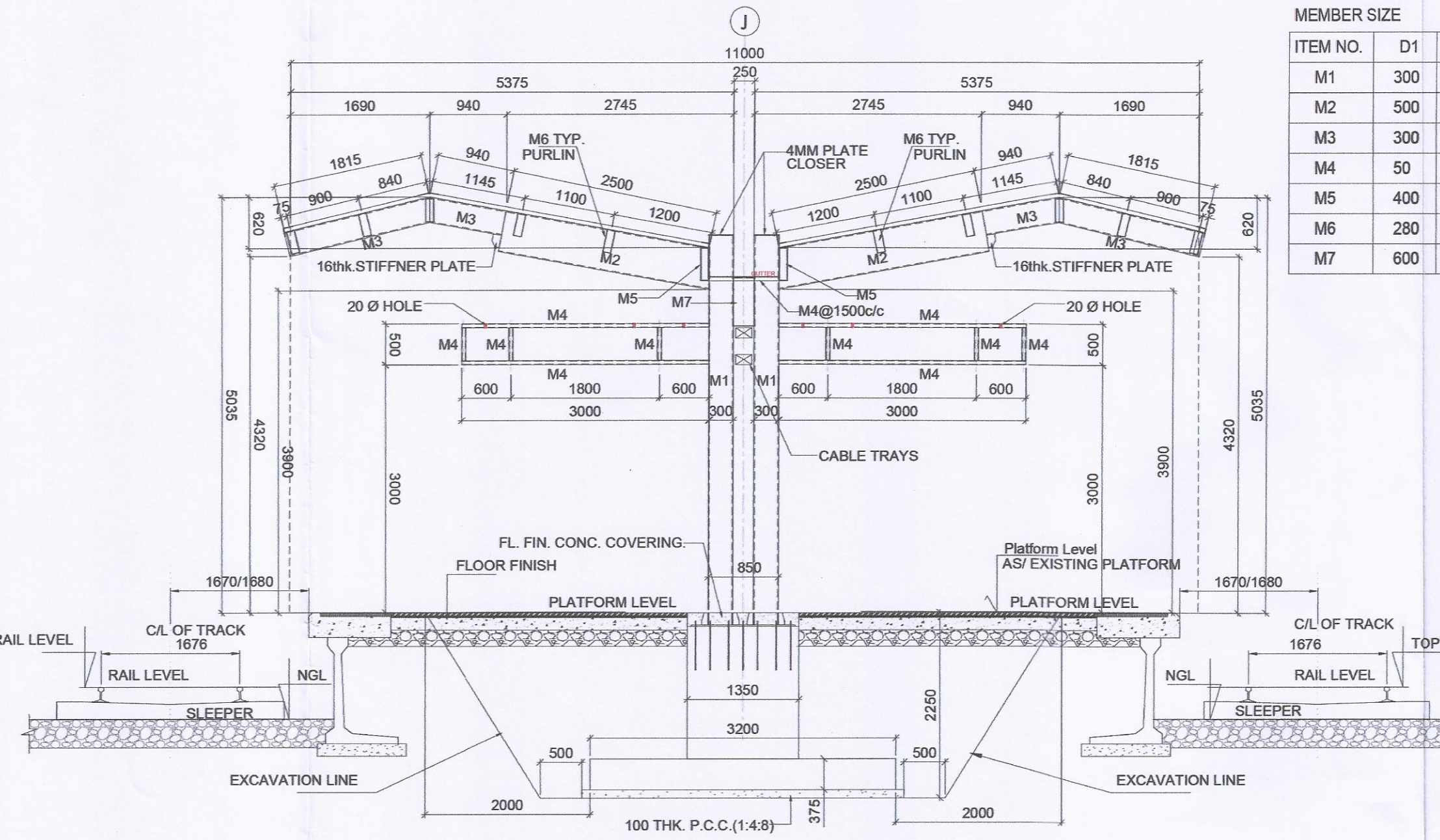
CDPL/CRS/COP-S01

REV.:

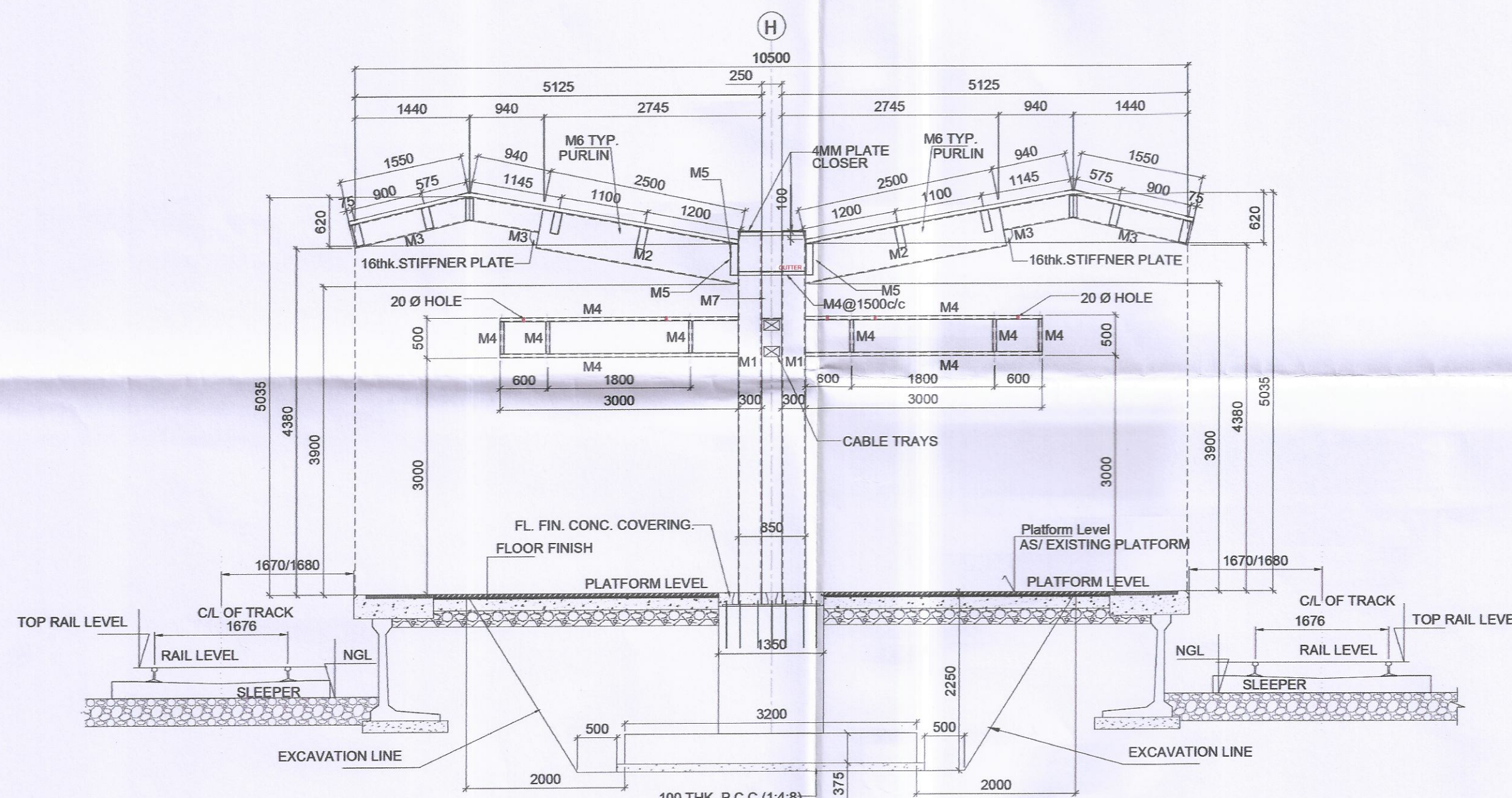
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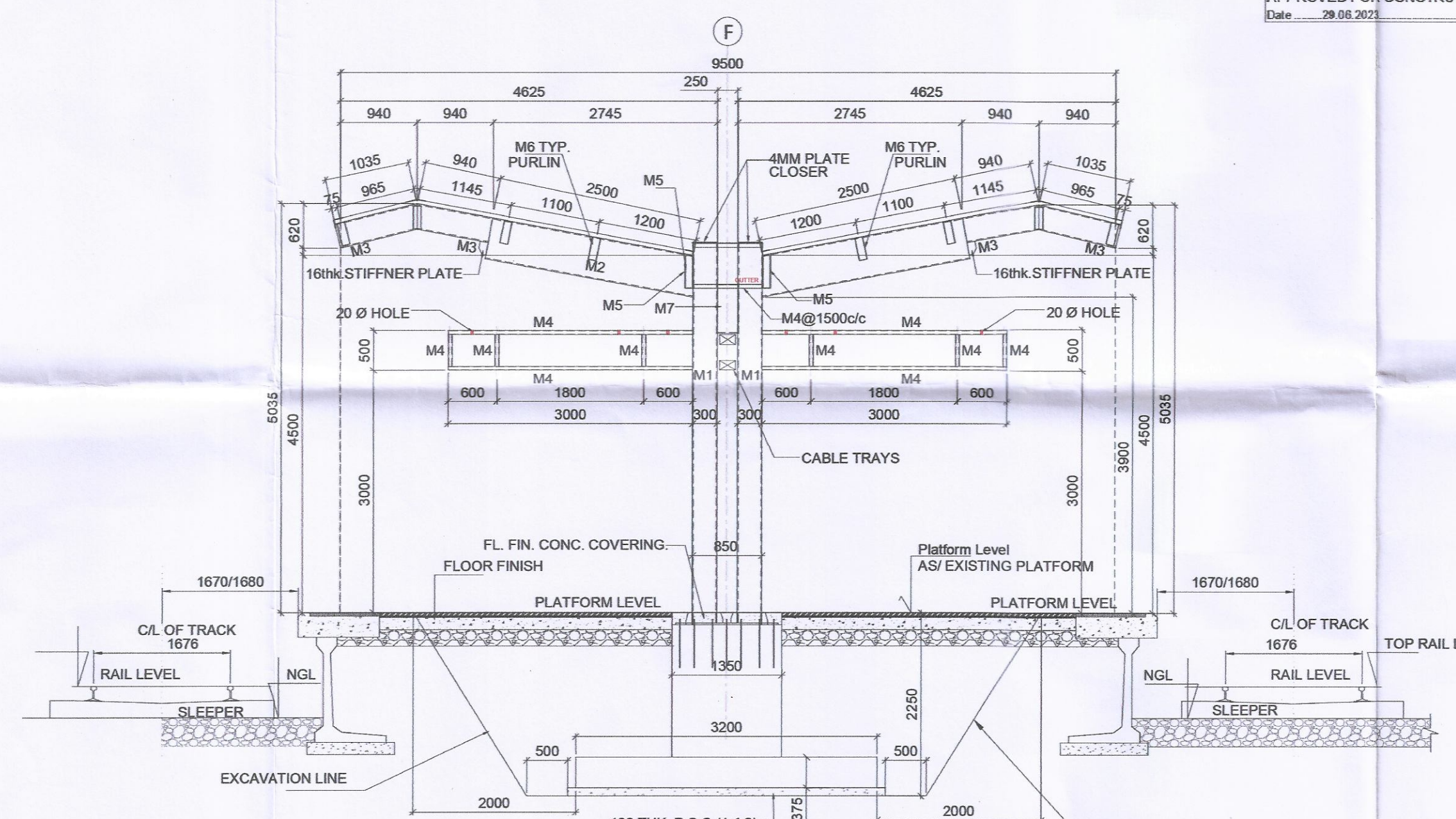
TYP. C.O.P SECTION FOR 11.50M SPAN



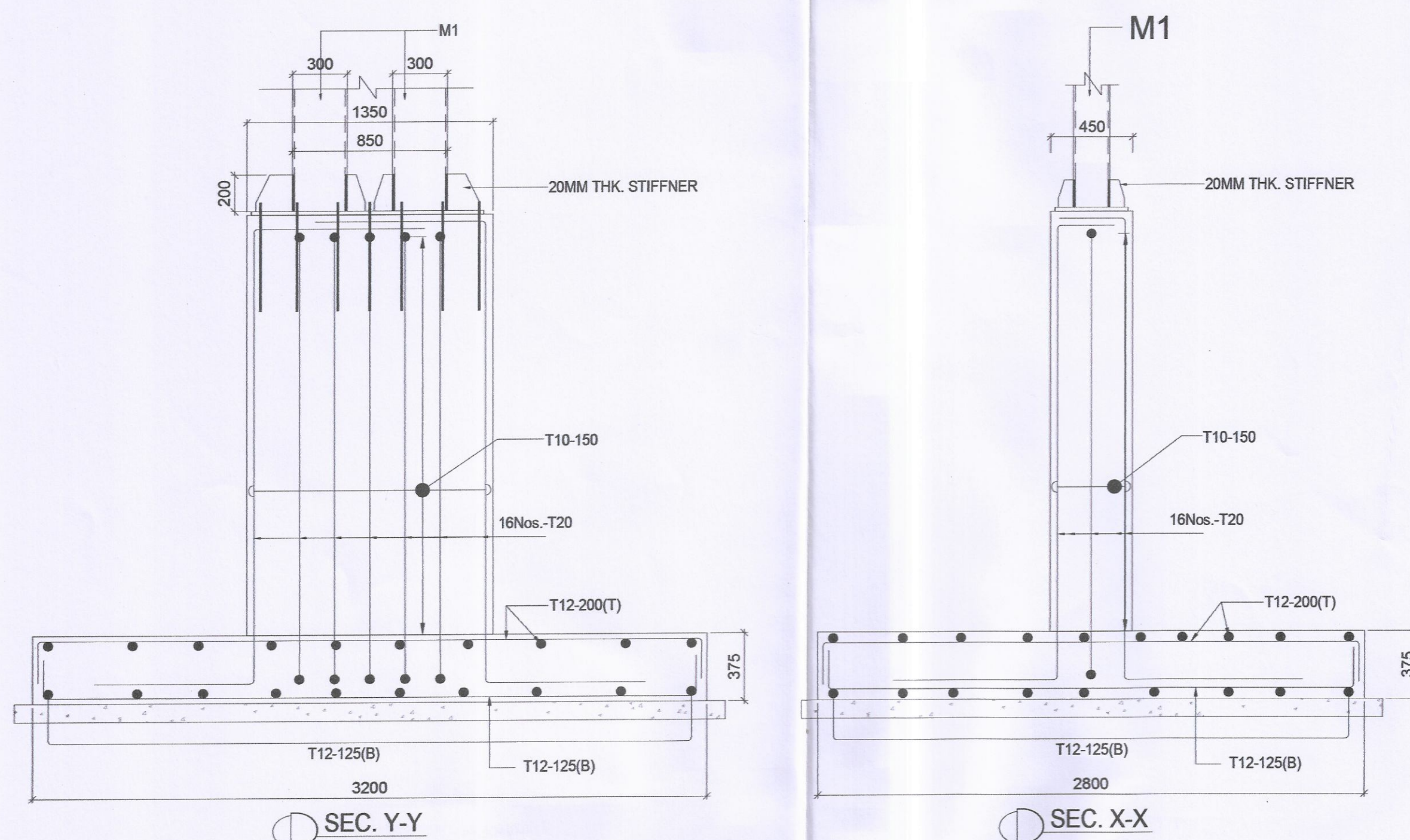
TYP. C.O.P SECTION FOR 11.00M SPAN



TYP. C.O.P SECTION FOR 10.50M SPAN

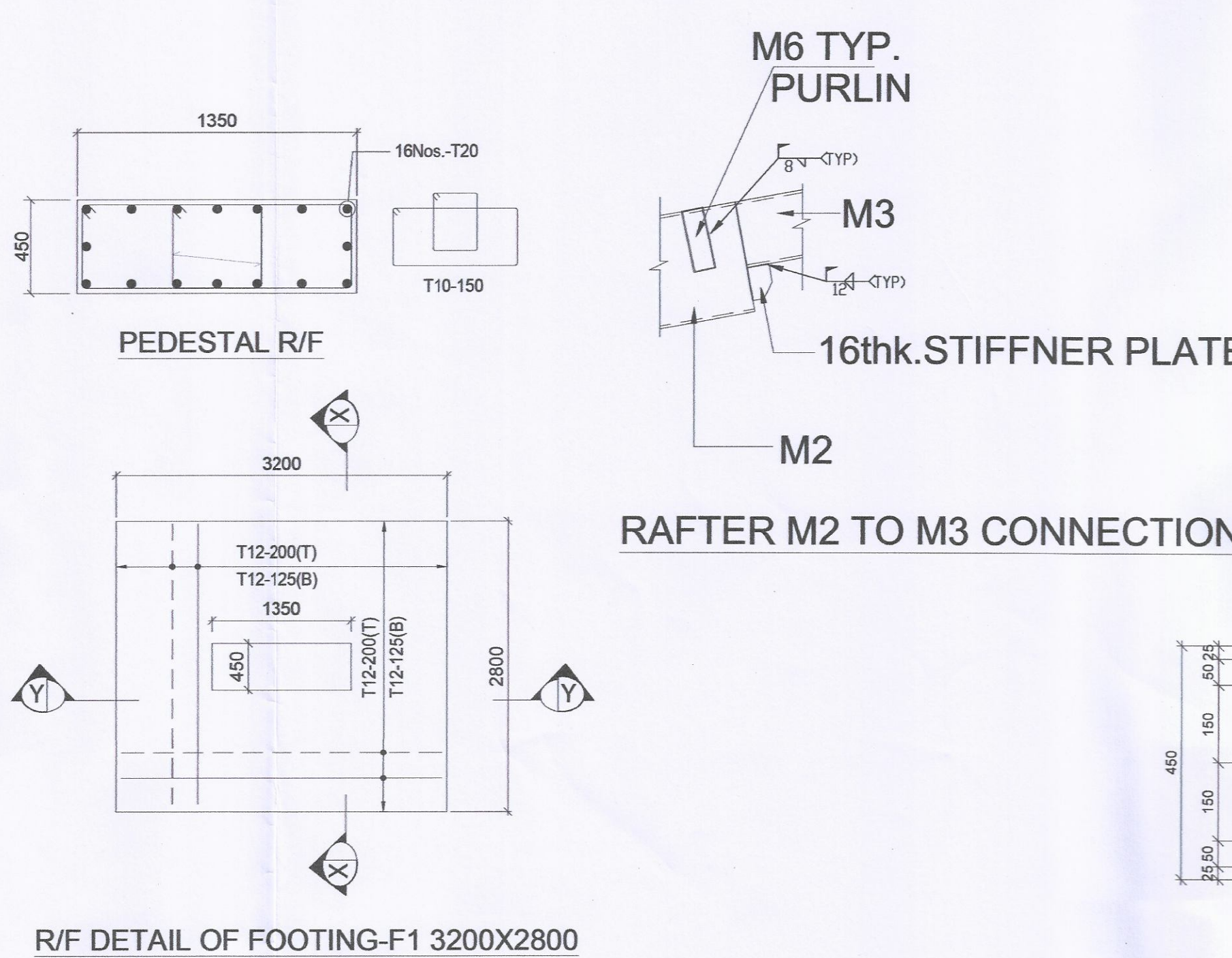


TYP. C.O.P SECTION FOR 9.50M SPAN



SEC. Y-Y

SEC. X-X



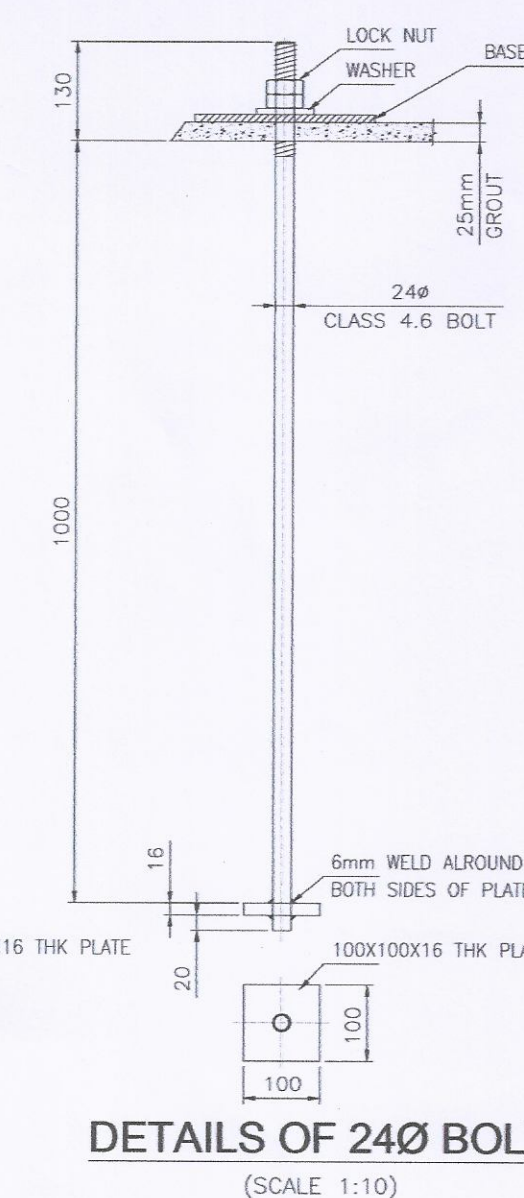
R/F DETAIL OF FOOTING-F1 3200X2800

MEMBER SIZE

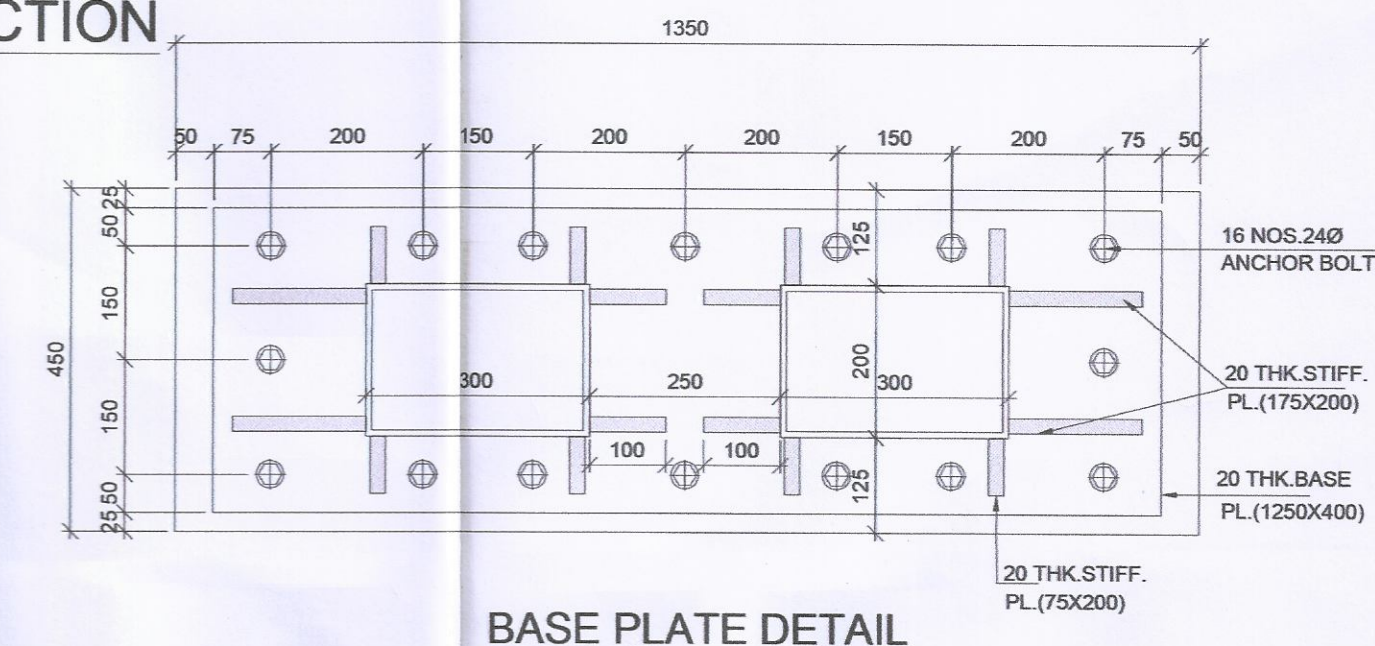
ITEM NO.	D1	W	t	GARDE
M1	300	200	8	E-350
M2	500	200	8	E-350
M3	300	200	8	E-350
M4	50	50	3.2	E-350
M5	400	150	5	E-350
M6	280	100	5	E-350
M7	600	300	10	E-350

CONSTRUCTURE
DESIGNS PVT. LTD.
APPROVED FOR CONSTRUCTION
Date: 29.05.2023

PROOF CONSULTANT
IIT MADRAS
Dr. S.R. SATISH KUMAR
Professor
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai - 600 036, INDIA



DETAILS OF 240 BOLT
(SCALE: 1:10)



BASE PLATE DETAIL

Consultant-Structural		GENERAL NOTE:	
CDPL	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	<p>NOTES:</p> <p>1. ALL DIMENSIONS ARE IN MM.</p> <p>2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.</p> <p>3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND STRUCTURAL DRS.</p> <p>4. STEEL BEAM & COLUMN GRADE: E-430</p> <p>5. FOR BRICK SECTION GRADE: E-350</p> <p>6. FOR HOLLOW SECTION GRADE: VST-310</p> <p>7. BOLTS GRADE: 8.8 HIGH TENSION</p> <p>8. SPRAY APPLIED FIRE PROOFING FOR 3 HOURS SHALL BE CEMENTITIOUS VERMICULITE (NON GYPSUM BASED) WITH MINIMUM THICKNESS 50 MM AND BOND (ADHESIVE) STRENGTH OF 400 KPA AS PER ASTM E238 AND COMPRESSIVE STRENGTH 1400 KPA AS PER ASTM E71</p> <p>9. 1 COLUMN SHEAR WALL SHALL BE OF 4 HOUR FIRE RATING.</p> <p>10. BEAM SHALL BE OF 1 HOUR FIRE RATING.</p> <p>11. SLAB SHALL BE OF 2 HOURS FIRE RATING.</p> <p>12. CONCRETE FOR COMPOSITE SLAB SHALL BE:</p> <p>13. FOUNDATION AND PEDESTAL: M-40</p> <p>14. TOP REIN: SHOULD BE PLACED 30MM BELOW THE TOP OF THE CONCRETE.</p> <p>15. BOTTOM REIN: SHOULD BE PLACED 30MM ABOVE THE BOTTOM OF THE CONCRETE.</p> <p>16. ALL STEEL STUDS OF GRADE E-430 SHALL BE 10mm/20mm/25mm DIA 120mm HEIGHT.</p> <p>17. REINFORCEMENT SHALL BE TMT BARS OF GRADE E-350 AND CONFORMING TO IS 1786.</p> <p>18. ALL WELDS ARE 6mm FILLET WELDS EXCEPT WHERE OTHERWISE STATED IN DETAIL DRAWINGS.</p> <p>19. ALL WELDS WILL BE IN FULL LENGTH ALL AROUND THE SECTION AT EACH JOINT.</p>	
ANA Design	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	
EPC Contractor	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	
ACIL	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	
VSPL	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	
IT/ Madras	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	<p>1. ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.</p> <p>2. IN CASE OF ANY DISCREPANCY, IMMEDIATELY CONSULT THE ARCHITECT / ENGINEER IN-CHARGE.</p> <p>3. PLEASE DO NOT SCALE THE DRAWING ONLY. WRITE DIMENSIONS TO BE FOLLOWED.</p> <p>4. PLEASE REFER CO-ORDINATED LAYOUT.</p>	

