

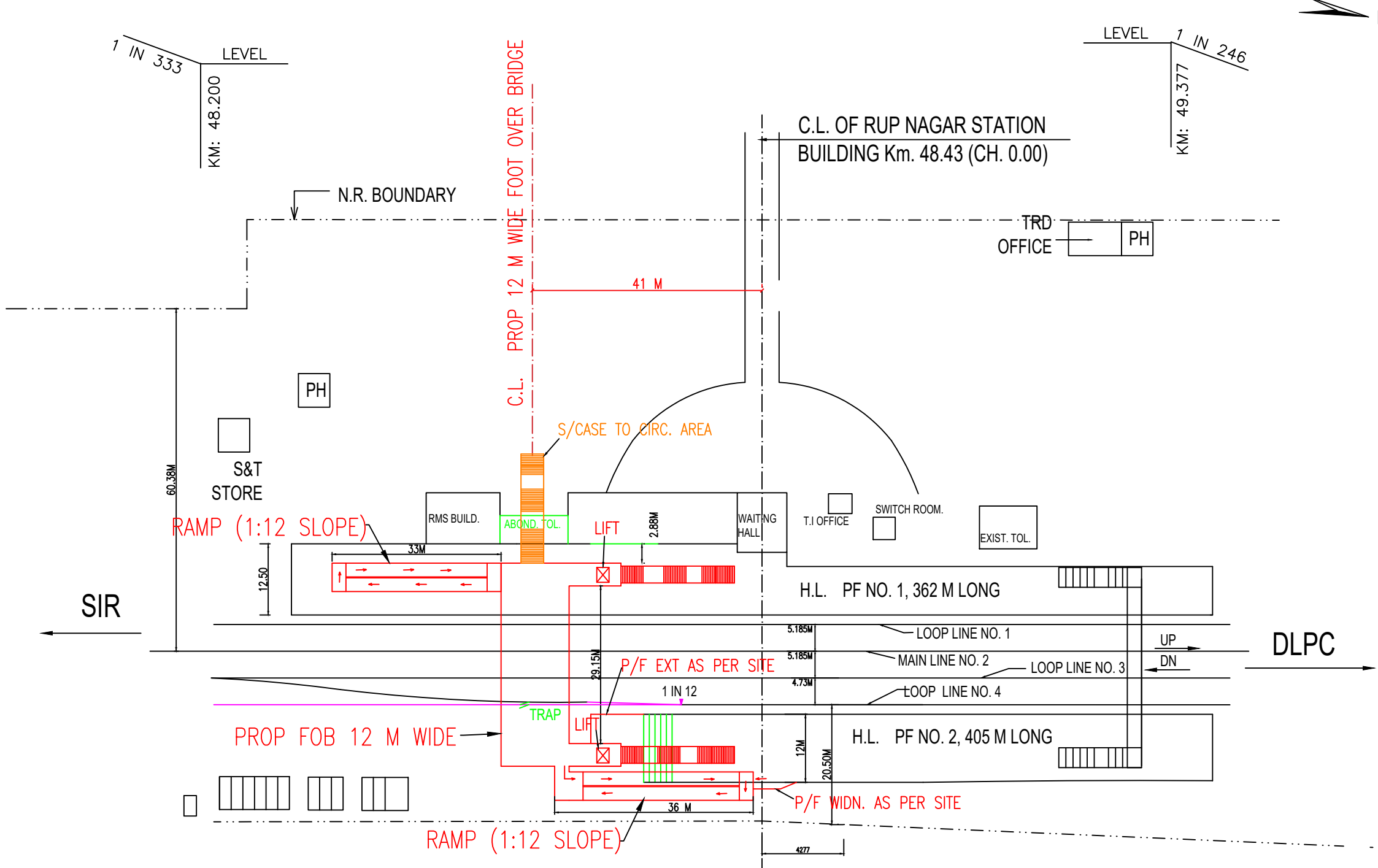
SECTION B-E

EXISTING WORK SHOWN IN BLACK
WORK TO BE DISMANTLED SHOWN IN GREEN
PROPOSED WORK SHOWN IN RED
FUTURE PROPOSED WORK SHOWN IN ORANGE

- | | | | |
|-----|--|-----|---|
| 37. | PCE SANCTION SHALL BE OBTAINED BY THE EXECUTING AGENCY BEFORE COMMENCEMENT OF WORK OF FOB AS WELL AS LAUNCHING OF GRIDERS. | 18. | ALL STEEL WORKS SHALL BE AS PER IRS STEEL BRIDGE CODE. |
| 38. | THE VALUE OF LIVE LOAD IS TAKEN AS 490 KG/M ² AS PER IRS BRIDGE RULES. CARE SHOULD BE TAKEN IN FIELD THAT THE VALUE OF LIVE LOAD & IMPOSED LOAD SHALL NOT BE EXCEED ITS DESIGN VALUE. | 19. | ALL STEELS FOR ORDER SHALL BE E350, GRADE A AS PER IS 2062-2011. RECTANGULAR OR SQUARE HOLLOW STRUCTURAL PIPES OF GRADE YST 310 OR HIGHER TO BE USED AS PER IS 4923-1997 |
| 39. | FEASIBILITY OF THE STRUCTURE SHALL BE CHECKED AT SITE IN EVERY RESPECT BY ENGINEER INCHARGE BEFORE FABRICATION/ERECTION. IF THERE IS ANY CONFUSSION/ AMBIGUITY IN DIFFERENT DIMENSIONS PROVIDED IN THESE DRAWINGS, A FULL SCALE LAYOUT SHOULD BE PREPARED FOR THE VERIFICATION OF THE SAME BEFORE START OF EXECUTION OF THE WORK. | 20. | NECESSARY PROTECTION SHOULD BE DONE & ENG. INDICATORS DISPLAYED IN ACCORDANCE WITH P. WAY MANUAL PARA 807 & 808. |
| 40. | BEFORE THE FABRICATION WORK IS TAKEN UP, ORDER PECEES TO BE FABRICATED (ALONG WITH ITS EXACT DIMENSIONS) AND THEIR NUMBERS SHALL BE WORKED OUT. MOREOVER, EXACT DIMENSIONS & THEIR NUMBERS OF OTHER COMPONENTS SUCH AS BRACINGS, CROSS GRIDERS, MAIN COLUMN, STAIR GRIDERS ETC. ALSO BE WORKOUT IN ORDER TO AVOID ANY MISMATCH AT LATER STAGE. | 21. | IR LOOP LINE (LINE NO. 1) IS HIGHEST TRACK WHOSE LEVEL HAS BEEN ASSUMED AS 100.00 M. |
| 41. | EXCAVATED EARTH SHALL NOT BE USED FOR BACK FILLING AROUND FOUNDATIONS. ALL BACK FILLING SHALL BE CARRIED OUT USING GRANULAR SOIL (WOORUM). BACK FILLING SHALL BE LAID IN LAYERS NOT EXCEEDING 300MM & SHALL BE COMPACTED TO 95% PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT. | 22. | SOIL BEARING CAPACITY SHOULD BE CONFIRMED BY CONDUCTING PLATE LOAD TEST BEFORE EXECUTION. ALLOWABLE BEARING CAPACITY OF SOIL SHALL BE TAKEN AS PER DESIGN OF FOUNDATION. IF SITE SOIL IS HAVING LOWER BEARING CAPACITY, THE FOUNDATION DESIGN SHOULD BE ALTERED WITH THE APPROVAL OF COMPETENT AUTHORITY. |
| 42. | ALL HOLLOW COLUMNS SHALL BE FILLED WITH SELF COMPACTING CONCRETE OF MINIMUM GRADE OF M20. THIS FILLING IS DONE TO ENSURE FIRE SAFETY AND PROTECTION FROM INSIDE CORROSION. STRUCTURE DESIGN IS SAFE WITHOUT THIS FILLING. | 23. | FABRICATION TO CONFORM AS PER B1-2001 SPECIFICATION & IRS WELDED BRIDGE CODE. |
| 43. | THICKNESS OF DECK SLAB & FLOOR FINISH SHALL NOT EXCEED 150MM. | 24. | ALL WELDS TO CONFORM TO IS-1581-1989 & IS-1581-1995. |
| 44. | ALL INSTRUCTIONS/ GUIDELINES & SPECIFICATIONS GIVEN IN REFERRED RSDO DRAWINGS SHALL BE FOLLOWED IN TRUE SPIRIT. | 25. | AUTOMATIC SUBMERGED ARC WELDING (SAW) SHOULD BE DONE IN FILLET WELDS OF CONNECTION OF FLANGE TO WEB OF MAIN GIRDER. OTHER WELDS SHOULD ALSO BE DONE BY SUBMERGE ARC WELDING TO THE MAXIMUM EXTENT POSSIBLE. FLOW OR GMAW WELDING MAY BE DONE IN CASES WHERE SAW WELDING IS NOT POSSIBLE. |
| 45. | CONNECTION OF RAMP P-2 TO MAIN SPAN TO BE AS PER DESIGN. | 26. | ALL BOLTS ARE OF GRADE WFLY = 250 MPa, UNLESS OTHERWISE STATED. |
| 46. | THERE IS NO INFRAEMENT TO SOD. | 27. | SEISMIC ZONE-III/EXPOSURE CONDITION-MODERATE WIND SPEED-140 KM/HR. |
| | | 28. | FLOORING MATERIAL FOR STAIRS & GANGWAYS WILL BE BURNT GANGLI WITH GROOVED LINING/ROOF TRUSS WITH TUBULAR MEMBER/ STEEL MEMBERS WILL BE GALVANISED. ROOFING MATERIAL SHALL BE AS PER RSDO DRAWING SPECIFICATIONS. |
| | | 29. | HAND RAILING SHOWN IN THESE DRAWINGS IS INDICATIVE ONLY. IMPROVING TYPE OF SIDE RAILING WITH STAINLESS STEEL MATERIAL & TOUCHED GLASS MAY BE ADOPTED. SIDE RAILING SHALL BE PROVIDED WITH GOOD AND ERGONOMIC. ENGINEER-IN-CHARGE SHOULD DECIDE ABOUT THE SIDE RAILINGS TO BE PROVIDED, CONSIDERING THESE FACTORS. |
| | | 30. | THE STRUCTURE OF GRIDER AND FOB TO BE EXECUTED BY BRIDGE WORKSHOP ON WORK ORDER FROM OPEN LINE AFTER APPROVAL OF CAD. |
| | | 31. | THE STRUCTURE OF FOB TO BE AS PER REFERENCED RSDO DRAWINGS. |
| | | 32. | ROOFING SHALL BE 1 MM THICK ZINC COATED CORRUGATED G.C. SHEET. |
| | | 33. | LAUNCHING SCHEME WILL BE PREPARED IN DUE TIME AND APPROVAL FROM HO WILL BE OBTAINED. |
| | | 34. | LENGTH OF WALKWAY TO BE PROVIDED WITH TACTICAL GUIDING AND WARNING BOLDS. WALKWAY SHOULD ALSO BE FREE OF OBSTRUCTIONS AND OBSTACLES. |
| | | 35. | WARNING BOLDS TO BE INSTALLED AT THE BEGINNING AND END OF ALL FLIGHTS OF STAIRCASE. STEP EDGES SHOULD ALSO BE OF DIFFERENT COLOUR AND TEXTURE EASILY IDENTIFIABLE BY LOW VISION & VISION IMPAIRED PERSONS. |
| | | 36. | HANDRAIL SHOULD BE EASY TO GRIP & SECURELY ATTACHED & SLIP RESISTANT WITH ROUND ENDS. HANDRAILS TO BE EXTENDED HORIZONTALLY 300MM AT THE TOP & BOTTOM OF EVERY STAIRCASE. HANDRAIL TO BE GROUTED TO THE GROUND. |

1. RPSM PROJECT ID: 05.01.53.23.61.024
2. SANCTIONED COST: Rs. 12.97 Crore
3. PLAN YEAR: 2023-24
4. SANCTIONED YEAR: 2023-24
5. SANCTIONING AUTHORITY: RAILWAY BOARD (GATI SHAKTI UMD)
6. EXECUTING AGENCY: CPW/SO/50/UMD (GATI SHAKTI UMD)
7. JUSTIFICATION: Ropar Ropar is an important "NCR" category station and also district headquarter of Punjab state. The head quarter of this district is the city of same name, that is Ropar city. The official name of the district is Ropar Ropar. But its old name was Ropar. Ropar is one of the oldest cities in Punjab. It is famous for Indian Institute of Technology (IIT) Ropar and other historical and political activities in its surrounding area. Many important tourists are halting at this station. During the current year 933 no. of passengers originated per day from RPSM station resulting in to earning of Rs. 1,37,99/- per day. The average footfall of passengers at this station is 1867 per day.

This station has been proposed for upgradation under Amrit Bharat station scheme. It is one of the 100 stations under Amrit Bharat station scheme. The upgradation of this station scheme, provision of 12m wide footpath has been envisaged to serve as road (pavement in future) with facilities such as suitable seating for passengers, retail kiosks and other elements of passenger amenities specific to the station under consideration. It is requested that execution of this proposed FOB shall be completed in Financial year 2023-24.



FEASIBILITY CERTIFICATE:

FEASIBILITY OF THE PROPOSAL HAS BEEN CHECKED BY ME PERSONALLY AND FOUND FEASIBLE AT SITE.

-SD- -SD- -SD- -SD- -SD- -SD- -SD-
SSE/W/RPAR SSE/SIG/RPAR SSE/TRD/RPAR SSE/TELE/RPAR SSE/P.W./SIR DEE/TRD/SIR ADEN/SIR

NRHQE PLAN No.- FB-101/UMB
N.R. DIVL. PLAN No. FQB-78/RPAR-2023/UMB

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES & LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE, FOLLOW WRITTEN DIMENSIONS ONLY.
3. PCE SANCTION SHALL BE OBTAINED BEFORE EXECUTION OF WORK.
4. LOADING SHALL BE AS PER ROSO SPECIFICATIONS.
5. ALL DIMENSIONS ARE AS PER ACTUAL EXISTING DATA AT SITE.
6. ANY OBSTRUCTION AT SITE SHALL BE REMOVED BEFORE COMMENCEMENT OF WORK.
7. LIVE LOAD ON FOB HAS BEEN TAKEN IN ACCORDANCE WITH CLAUSE 2.3.2.1 OF IRS BRIDGE RULE.
8. WIND LOAD ON FOB HAS BEEN TAKEN IN ACCORDANCE WITH CLAUSE 2.11 (OF IRS BRIDGE RULE. MAXIMUM WIND PRESSURE IS TAKEN AS 75 K/MT²)
9. THE VALUE OF LIVE LOAD IS TAKEN AS 490 KG/M² AS PER IRS BRIDGE RULES. CARE SHOULD BE TAKEN IN FIELD THAT THE VALUE OF LIVE LOAD AND IMPOSED LOAD SHALL NOT EXCEED ITS DESIGN VALUE.
10. FOR DESIGN OF FOUNDATION OF FOB THE DESIGN LOADS MENTIONED IN ROSO DRO. NO. ROSO/B-10438 AND FOR FOUNDATION OF RAMP THE DESIGN LOADS MENTIONED IN ROSO DRO. NO. ROSO/B-10433/7 SHOULD BE TAKEN.
11. ALL RCC WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS LAID DOWN IN IRS CONCRETE BRIDGE CODE.
12. ALL CEMENT CON. IS TO BE MECHANICALLY MIXED & VIBRATED.
13. CONCRETE MIX SHALL BE AS PER DESIGN FOR FOUNDATION AND M-35 FOR PRECAST RCC DECK SLAB
14. HSD/WTM BARS CONFORMING TO IS 1786:2000 SHALL BE USED..
15. BEFORE COMMENCEMENT OF WORK LAYOUT OF FOOT OVER BRIDGE SHALL BE MARKED TO AVOID ANY INTERFERENCE TO SUBSTRUCTURE.
16. MINOR MODIFICATIONS MAY BE DONE AT SITE/WORKSHOP IN CONSENT WITH ENGINEER INCHARGE.
17. PROTECTIVE SCREEN WILL BE PROVIDED AT THE LOCATION OF ALL ELECTRIFIED LINES AS PER ROSO DRO. NO. ET/C/0068.
18. ALL STEEL WORK SHALL BE AS PER IRS STEEL BRIDGE CODE.
19. ALL STEELS FOR ORDERS SHALL BE E350, GRADE A AS PER IS 2062-2011. RECTANGULAR OR SQUARE HOLLOW SECTION, STRUCTURAL STEEL, YS 310 OR HIGHER TO BE USED AS PER IS-4923-1997
20. NECESSARY PROTECTION SHOULD BE DONE & ENG. INDICATORS DISPLAYED IN ACCORDANCE WITH P. WAY MANUAL PARA 807 & 808.
21. IR LOAD LINE (LINE NO. 1) IS HIGHEST TRUCK WEIGHT LEVEL HAS BEEN ASSUMED AS 100.00 M
22. SOIL BEARING CAPACITY SHOULD BE CONFIRMED BY CONDUCTING PLATE LOAD TEST BEFORE EXECUTION.
23. ALLOWABLE BEARING CAPACITY SOIL SHALL BE TAKEN AS PER DESIGN OF FOUNDATION. IF SITE SOIL IS HAVING LOWER BEARING CAPACITY , THE FOUNDATION DESIGN SHOULD BE ALTERED WITH THE APPROVAL OF COMPETENT AUTHORITY.
24. FABRICATION TO CONFORM AS PER IS-2001 SPECIFICATIONS & IRS WELDED BRIDGE CODE.
25. WELDED JOINTS TO CONFORM TO IS-1516:1989 & IS-1516:1989.
26. AUTOMATIC SUBMERGED ARC WELDING (SAW) SHOULD BE DONE IN FIELD WELDS OF CONNECTION OF FLANGE TO WEB OF MAIN GIRDER. OTHER WELDS SHOULD ALSO BE DONE BY SUBMERGED ARC WELDING TO THE MAXIMUM EXTENT POSSIBLE. FCW OR GMAW WELDING MAY BE DONE IN CASES WHERE SAW WELDING IS NOT POSSIBLE.
27. ALL BOLTS ARE OF STEEL WITH $f_y = 250$ MPa, UNLESS OTHERWISE STATED
28. SEQUENCE -1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779

CBE	BHUVNESH KUMAR GUPTA	Digitally signed by BHUVNESH KUMAR GUPTA Date:2023.08.29 11:45:30 +05'30'
CE/SD	MONA SRIVASTAVA	Digitally signed by MONA SRIVASTAVA Date:2023.07.25 05:21:55 +05'30'
CCM/PS	Nar Singh Das	Digitally signed by Nar Singh Das Date:2023.06.05 03:22:50 +05'30'
DY.CE/BD	SANJIV KUMAR GARG	Digitally signed by SANJIV KUMAR GARG Date:2023.08.28 10:53:34 +05'30'
DY.CE/SD	KAUSHAL KISHORE SHARMA	Digitally signed by KAUSHAL KISHORE SHARMA Date:2023.06.02 05:23:08 +05'30'
DRM-UMB	MANDEEP SINGH BHATIA	Digitally signed by MANDEEP SINGH BHATIA Date:2023.05.17 11:06:39 +05'30'
ADRM-INFRA-UMB	GUNINDER SINGH NARANG	Digitally signed by GUNINDER SINGH NARANG Date:2023.05.17 10:45:28 +05'30'
CPM-CS-UMB	VINOD KUMAR SINGH	Digitally signed by VINOD KUMAR SINGH Date:2023.05.16 07:37:04 +05'30'
SRDEN-CO-UMB	ATUL	Digitally signed by ATUL Date:2023.05.16 06:34:39 +05'30'
SRDOM-UMB	SAMARTH GUPTA	Digitally signed by SAMARTH GUPTA Date:2023.05.16 04:27:02 +05'30'
SRDCM-UMB	RITIKA VASHISHT	Digitally signed by RITIKA VASHISHT Date:2023.05.16 05:22:27 +05'30'
SRDEE-TRD-UMB	ANKUR JAIN	Digitally signed by ANKUR JAIN Date:2023.05.16 04:08:54 +05'30'
SRDEE-G-UMB	MANISH NARWAL	Digitally signed by MANISH NARWAL Date:2023.05.16 05:31:25 +05'30'
SRDSTE-UMB	ATESH KUMAR	Digitally signed by ATESH KUMAR Date:2023.05.16 05:52:37 +05'30'
DYCE-CS-UMB	HARVINDER SINGH	Digitally signed by HARVINDER SINGH Date:2023.05.16 05:07:53 +05'30'
SRDEN-4-UMB	KAPIL VATS	Digitally signed by KAPIL VATS Date:2023.05.16 04:58:02 +05'30'

AMBALA DIVISION

GENERAL ARRANGEMENT PLAN FOR PROPOSED 12.0 M
WIDE FOOT OVER BRIDGE AT RUPNAGAR STATION
UNDER AMRIT BHARAT STATION SCHEME ON SIR-DLPC
SECTION

SCALE:

N.R.DIVL.CASE NO.

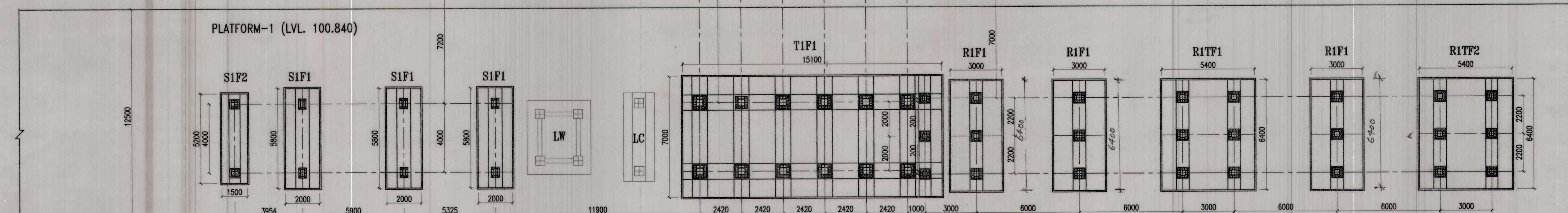
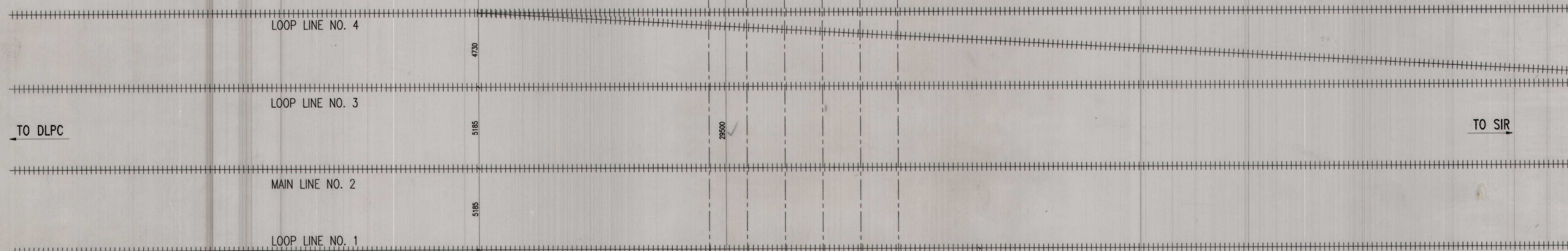
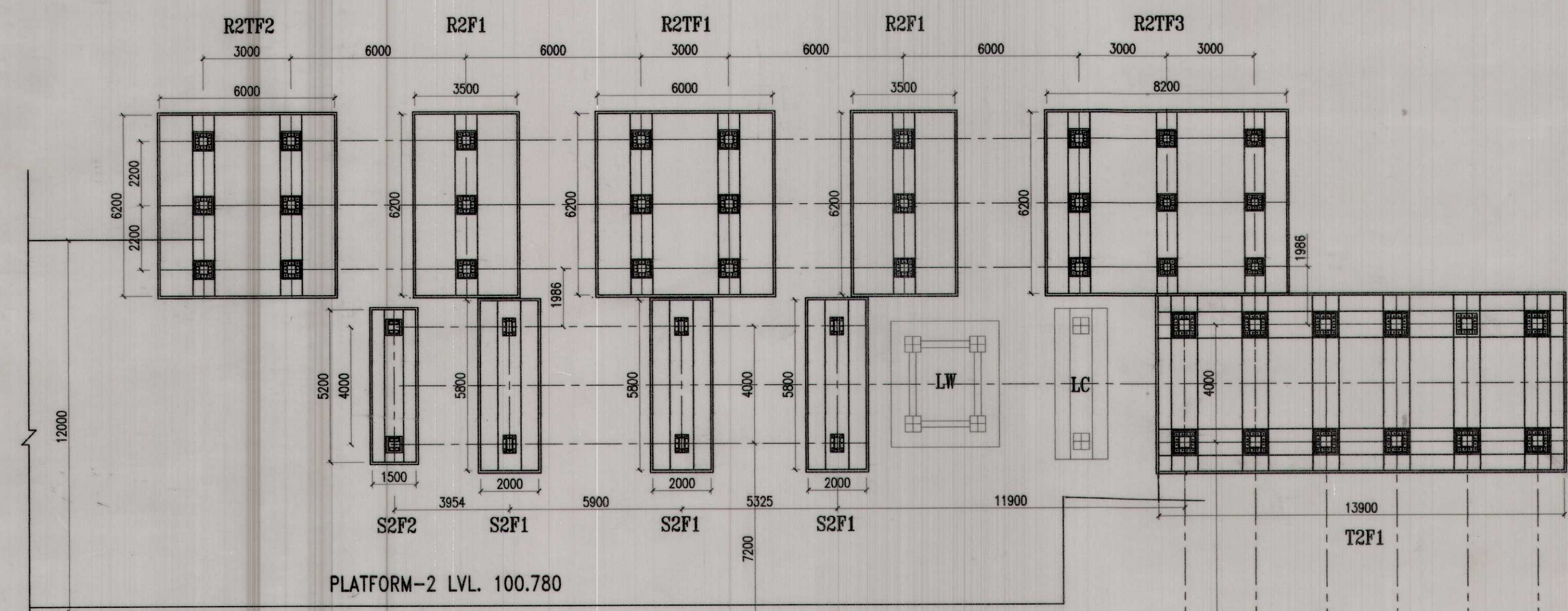
N.R.H.Q.E. CASE NO.

NR DIVL. PLAN NO. FOB-78/RPAR-2023/UMF

NRHQE PLAN No.- FB-101/UMB

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
3. FOUNDATION PLAN IS BASED ON APPROVED GAD i.e. NRHQ PLAN NO. FB-101/UMB.
4. FEASIBILITY OF THE FOUNDATIONS TO BE VARIFY BY THE ENGINEER IN CHARGE BEFORE EXCAVATION OF FOUNDATIONS.
5. ALL R.C.C. WORK IS TO BE DONE IN ACCORDANCE WITH LATEST NORTHERN RAILWAY SPECIFICATIONS & IRS CONC. BRIDGE CODE CORRECTED UPTO DATE.
6. PARTICULAR CARE MUST BE TAKEN TO ENSURE THAT:
 - (a) NO SAG OCCURS IN REINFORCEMENT DURING EXECUTION OF WORK.
 - (b) MINIMUM 50 mm CLEAR COVER TO REINFORCEMENT TO BE MAINTAINED IN FOUNDATION & PEDESTAL.
 - (c) LAP LENGTH WHERE BARS OBTAINED ARE OF SHORTER LENGTH MUST NOT BE LESS 42 TIMES DIA OF BAR.
7. ALL CEMENT CONC. IS TO BE MECHANICALLY MIXED AND VIBRATED.
8. ALL BINDERS/STIRRUPS/LINKS SHALL BE EFFECTIVELY TIED WITH MAIN REINFORCEMENT BARS.
9. VIBRATED CONTROLLED CONCRETE OF MINIMUM COMPRESSIVE STRENGTH OF 250 KG/Cm² (M-25) TO BE USED FOOTING EXCEPT COL. PEDESTALS. FOR COL. PEDESTALS, CONC. OF GRADE (M-30) 300 KG/Cm² TO BE USED.
10. NET BEARING CAPACITY OF SOIL IS 8.35 T/m² AS PER SOIL REPORT IT SHOULD BE RE-CONFORMED AT THE TIME OF EXECUTION.
11. HSD/TMT BARS OF GRADE Fe-500 CONFORMING TO IS:1786-2000 SHALL BE USED.
12. ENGINEER INCHARGE SHOULD ENSURE THE LOCATIONS/DIA/LENGTH OF HOLDING DOWN BOLTS DURING CONCRETING OF FOUNDATIONS. HOLDING DOWN BOLTS SHOULD BE PLACED PROPERLY AT DESIRED LOCATIONS AND MATCH WITH THE BASE PLATE OF COLUMNS.
13. DEPTH OF FOUNDATION BELOW GROUND LEVEL SHOWN IN DRAWING FOR DIFFERENT FOUNDATIONS IS THE MINIMUM GRIP LENGTH OF FOOTING IN THE GROUND. IF ANY LOCATION THE GROUND IS FOUND LOWER THAN THE GROUND LEVEL SHOWN IN THE DRAWING, THEN BOTTOM OF FOUNDATION SHOULD BE ACCORDINGLY LOWERED TO HAVE MINIMUM GRIP LENGTH.
14. READ THIS DRAWING IN CONJUNCTION WITH OTHER RELEVANT SHEETS.

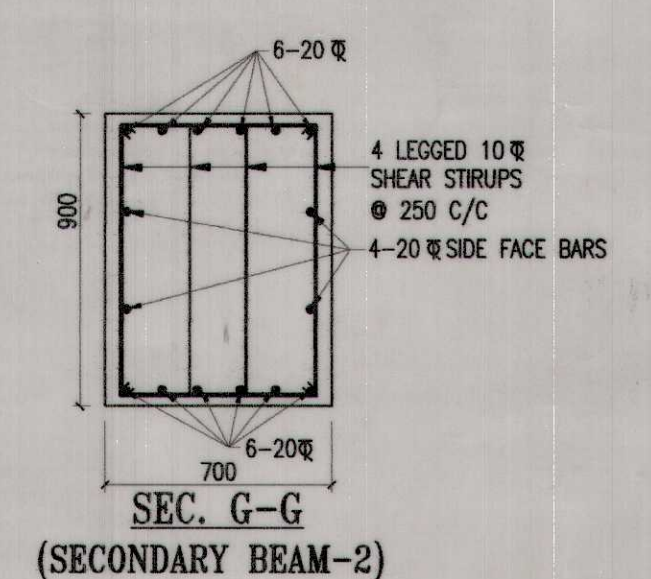
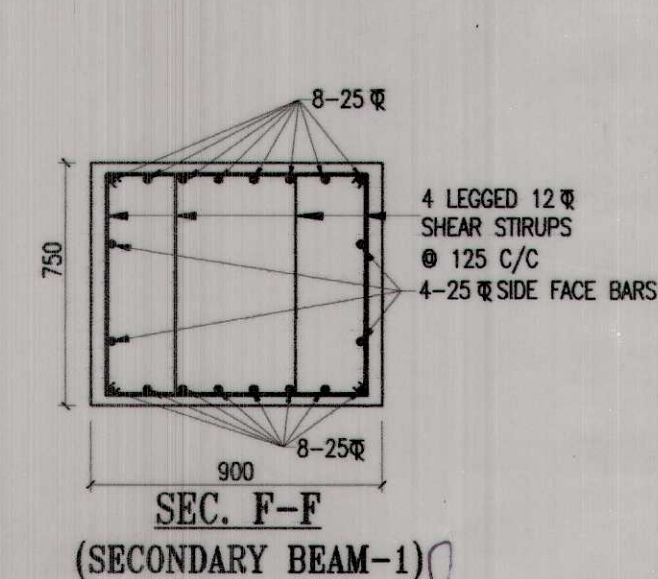
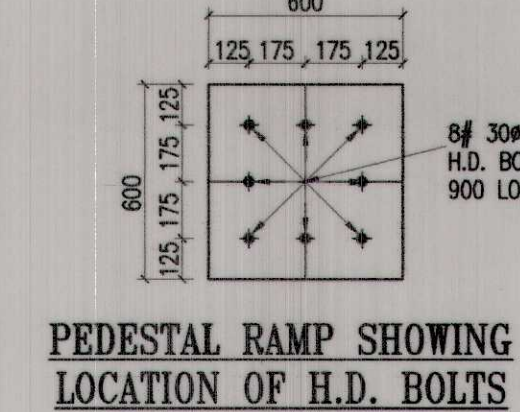
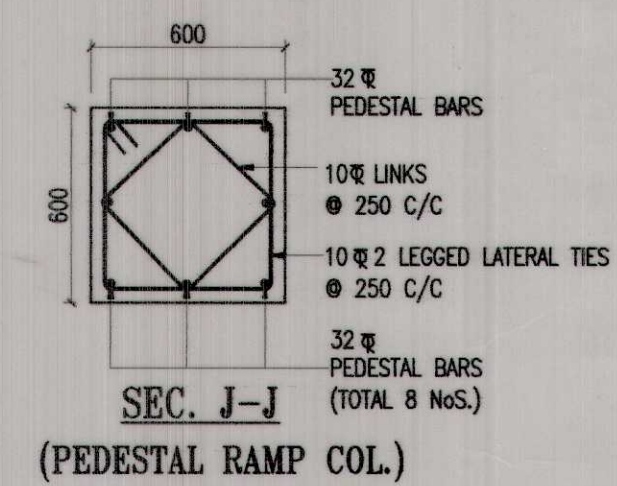
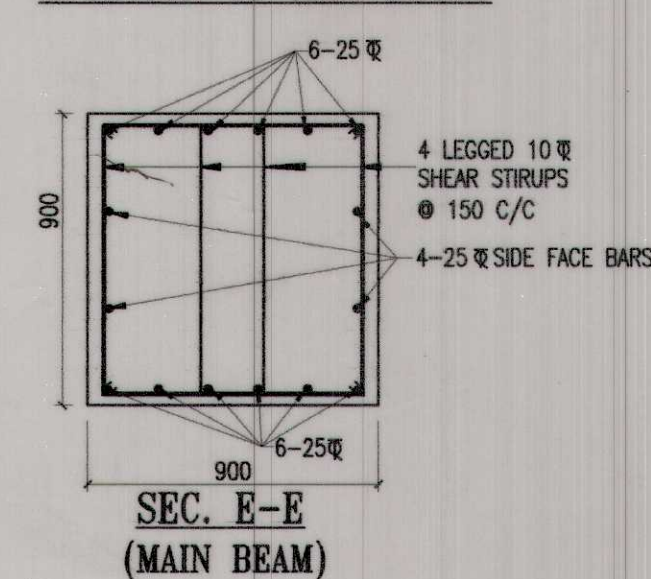
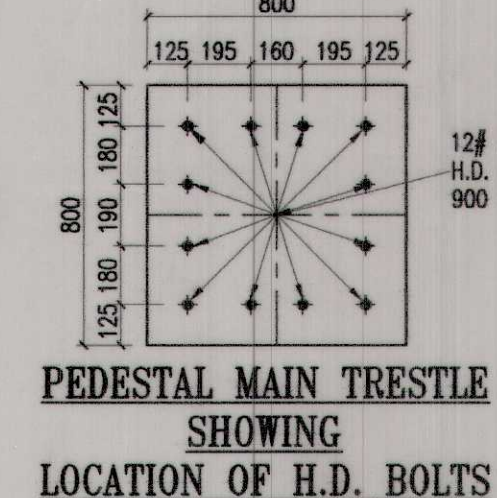
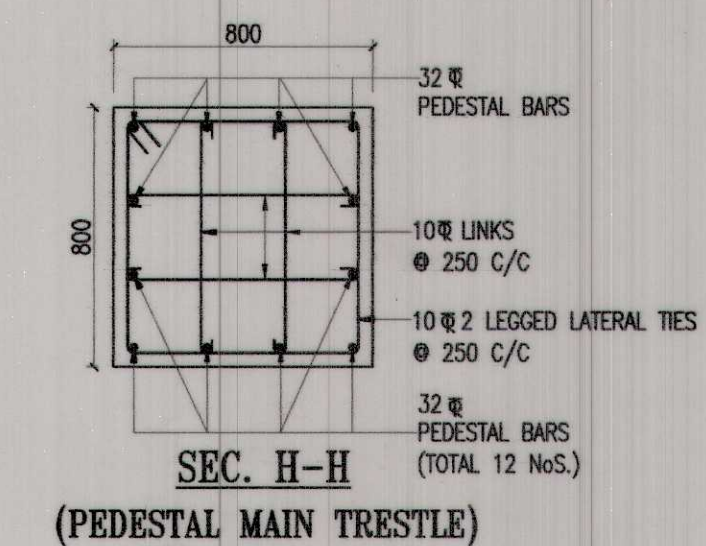
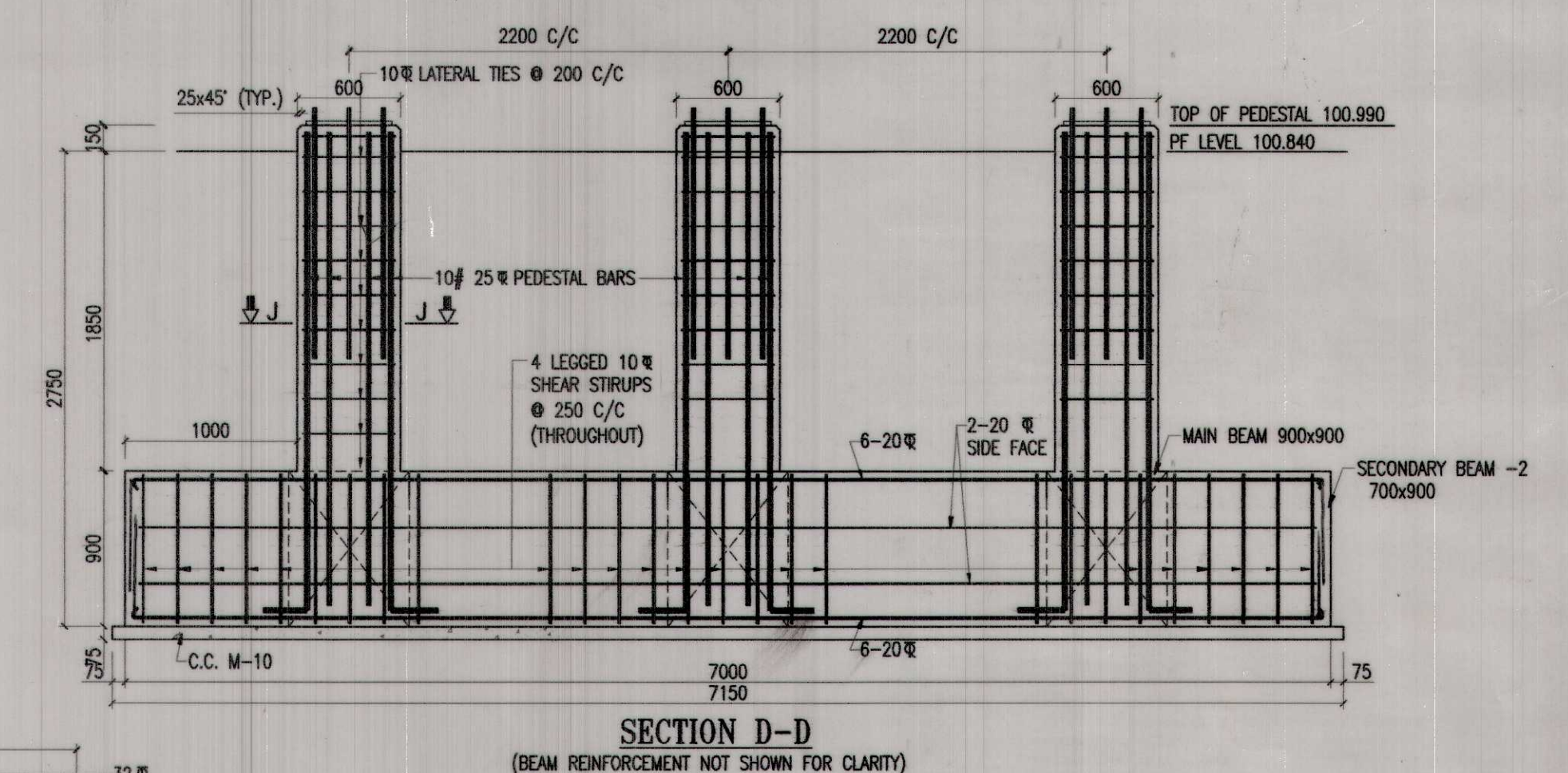
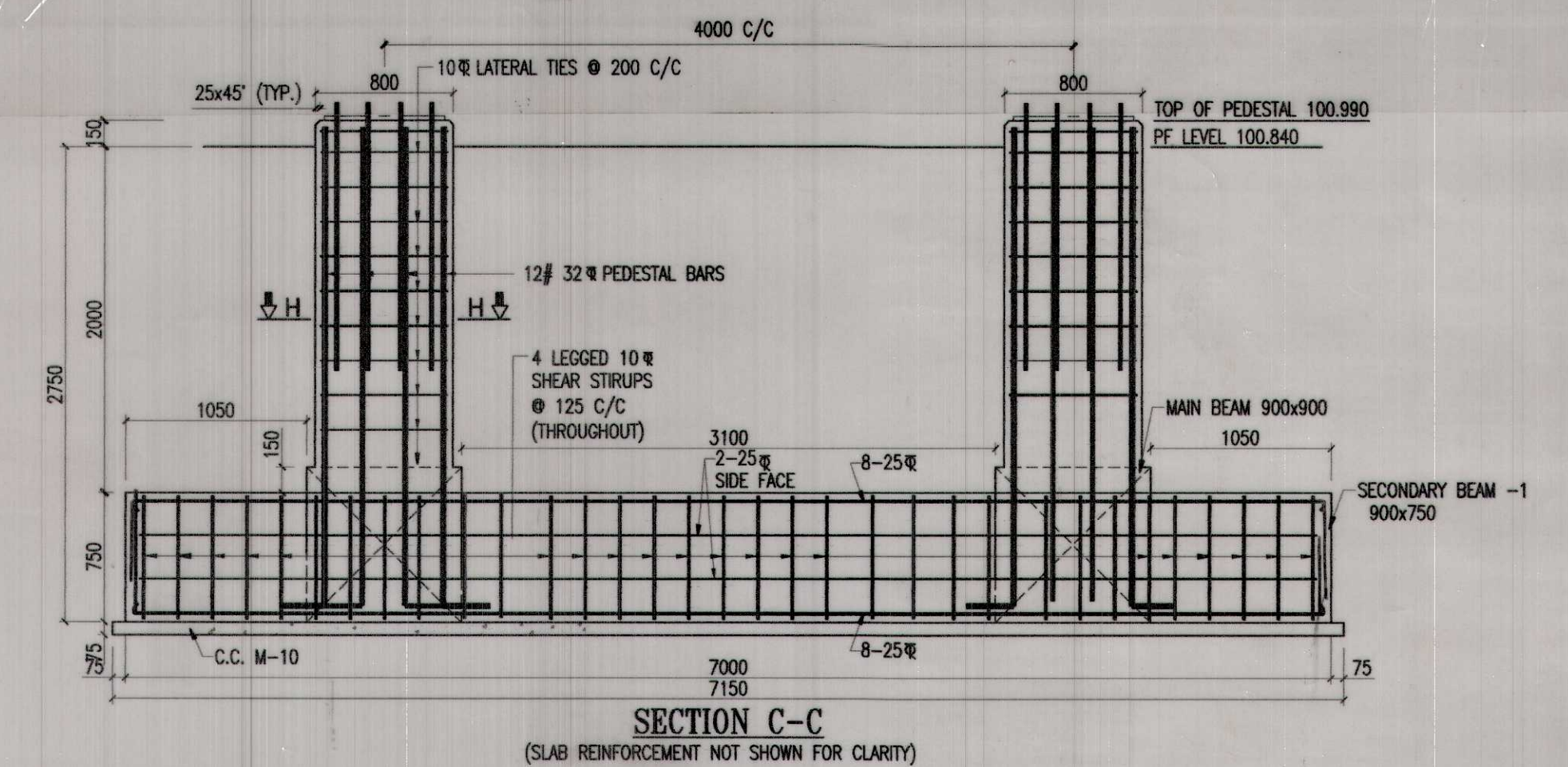
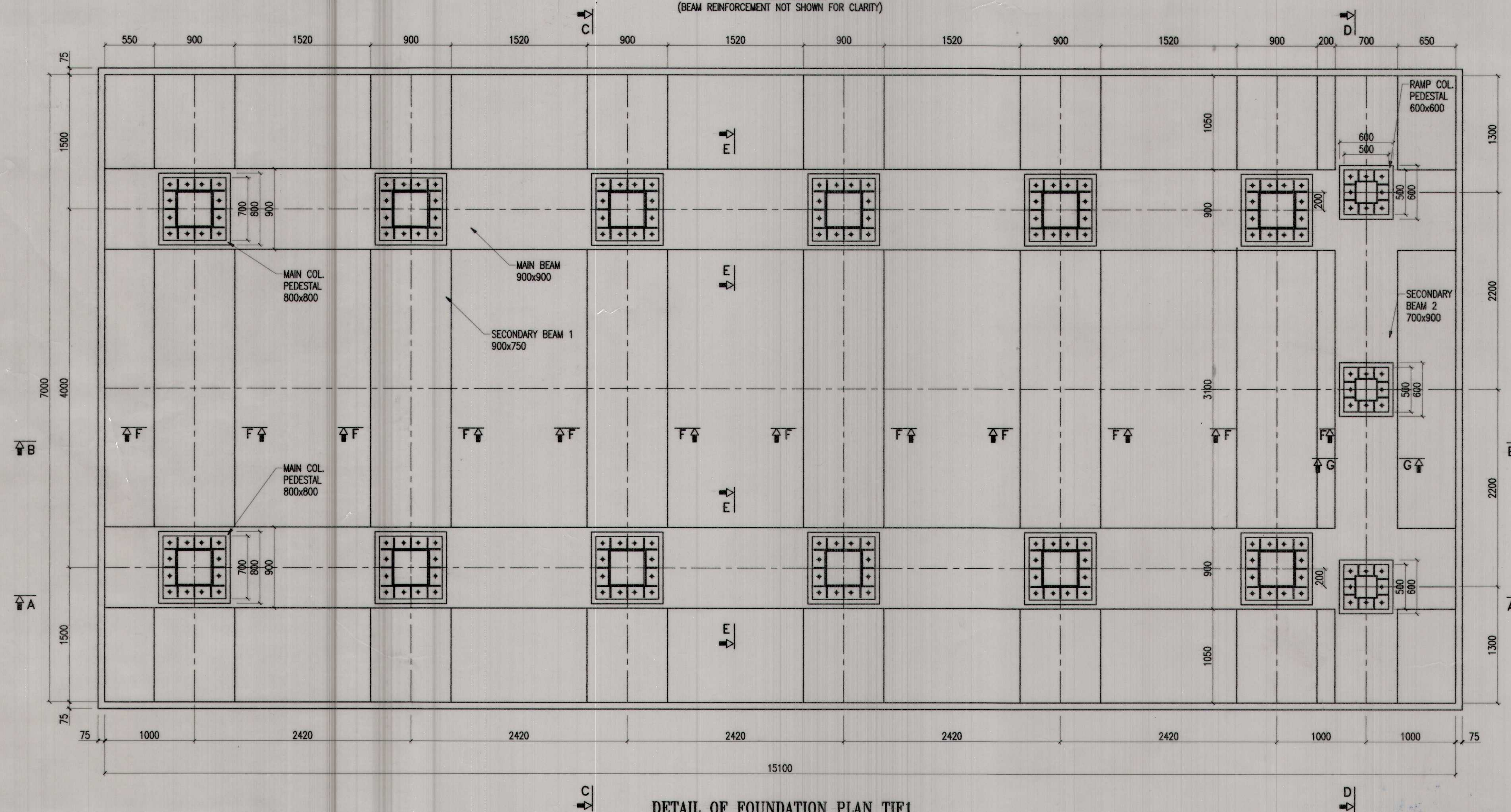
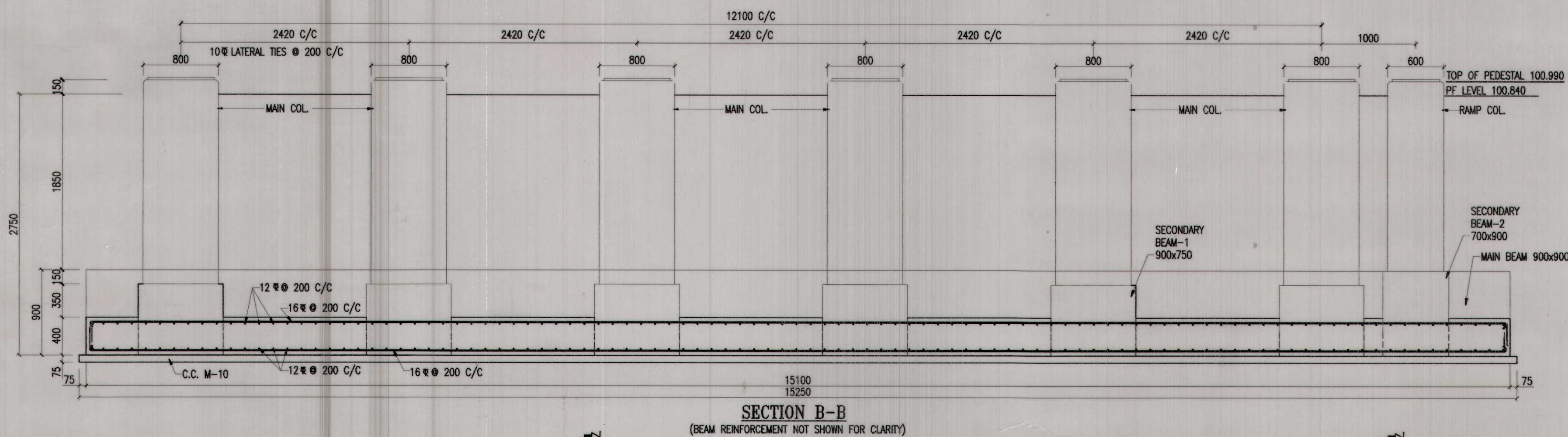
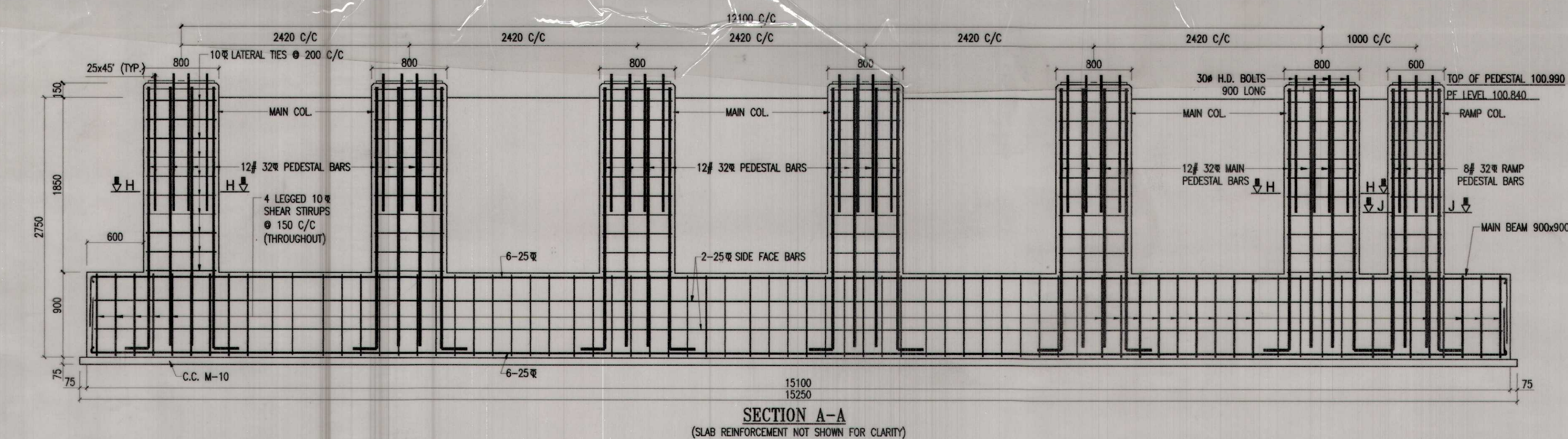


FOUNDATION LAYOUT PLAN

FOR	SEE
GENERAL ARRANGEMENT	NRHQ PLAN NO. FB-101/UMB
FOUNDATION LAYOUT PLAN	SHEET No-2
DETAIL OF TRESTLE FOUNDATION	SHEET No-3A, 3B
DETAIL OF STAIRCASE FOUNDATIONS	SHEET No-4
DETAIL OF RAMP FOUNDATIONS	SHEET No-5A, 5B
FOUNDATION OF LIFT COLUMN (LC)	AS PER PLAN NO. NRHQ(P)-266-FB/2016 SHEET NO. 1
FOUNDATION OF LIFT WELL (LW)	AS PER PLAN NO. NRHQ(P)-266-FB/2016 SHEET NO. 2

AGENCY	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR
DESIGN & DRAWING	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR
AGENCY	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR
DESIGN & DRAWING	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR
AGENCY	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR
DESIGN & DRAWING	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR	SR. DEN-IV/UMB	ADEN/SR	SSE/W/RPAR

AMBALA DIVISION
 PROPOSED 12.0 M WIDE FOOT OVER BRIDGE
 AT RUPNAGAR RAILWAY STATION
 UNDER AMRIT BHARAT STATION SCHEME
 ON SIR-DLPC SECTION
 FOUNDATION LAYOUT PLAN
 DIVL. PLAN NO. FOB-182/RPAA-2023/UMB
 NRHQ PLAN No. FB-101/UMB
 SCALE-1:35 (SHEET No-2)



NOTES:-

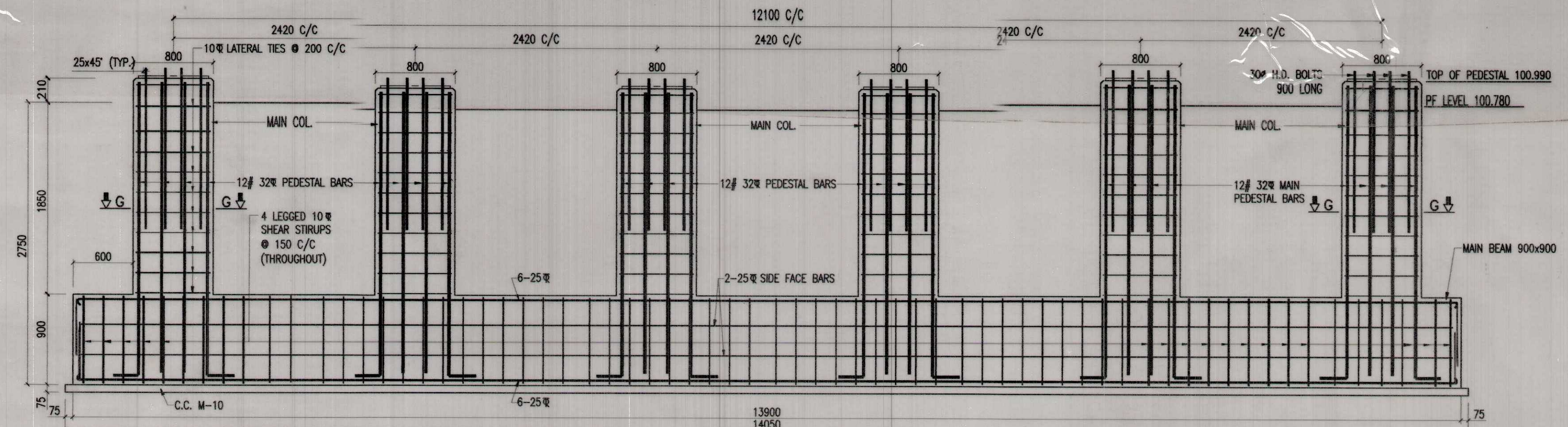
1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
3. FOR OTHER NOTES REFER SHEET NO. 1
4. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT SHEETS.

FOR	SEE
GENERAL ARRANGEMENT	NRHQE PLAN NO. FB-101/UMB
FOUNDATION LAYOUT PLAN	SHEET No-1
DETAIL OF TRESTLE FOUNDATION	SHEET No-2A, 2B
DETAIL OF STAIRCASE FOUNDATIONS	SHEET No-3
DETAIL OF RAMP FOUNDATIONS	SHEET No-4A, 4B

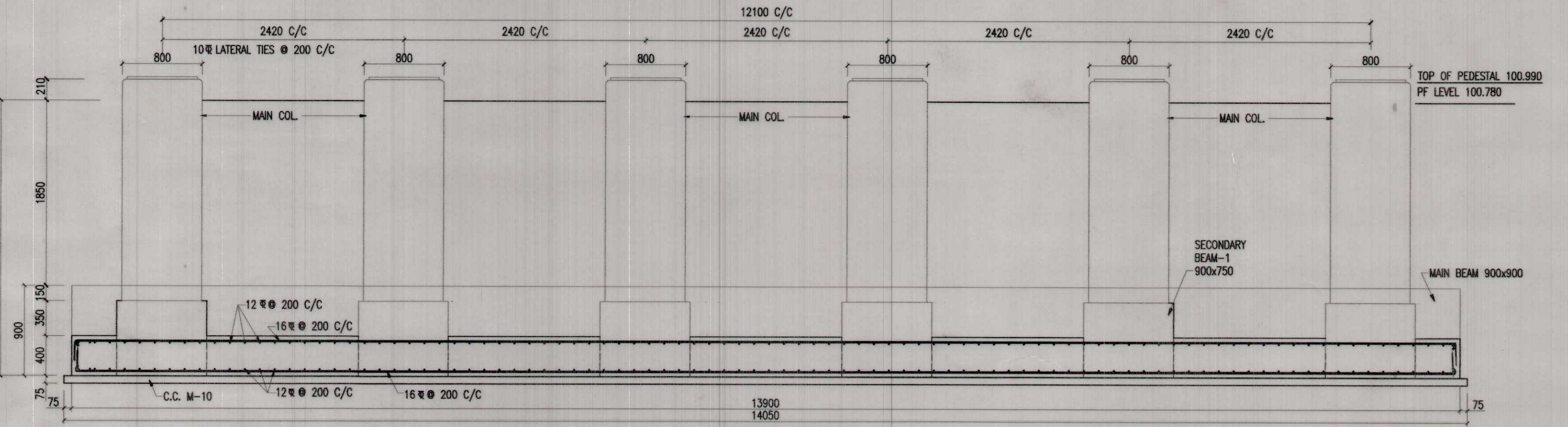
	AGENCY	CBE (P.D.S. TO MARK)	<u>AMBALA DIVISION</u>
	PANICAJ JUBAL CONTRACTOR <i>Vinod Tripathi</i> AUTH. SIGNATORY	Sr. DEN-IV/JMB DY.CE/BD C.E.-K-GNEG	
PROOF CHECKED BY	DESIGN & DRAWING	AEN/SIR SSE/W/RPAR	PROPOSED 12.0 M WIDE FOOT OVER BRIDGE AT RUP NAGAR RAILWAY STATION UNDER AMRIT BHARAT STATION SCHEME
	<i>[Signature]</i> V.D. SHARMA ME (Structures), FIE CHARTERED ENGINEER	AEN/BD SSE/DESIGN SSE/DRC.	DETAIL OF TRESTLE FOUNDATION T1F1
	DIVISIONAL OFFICERS	HQ. OFFICERS	DIVL. PLAN NO. <i>F.O.B. 182 / RPAR - 2023 / UMB</i>
			NRHQE PLAN No. <i>FB-101/UHR</i>

SCALE:-1:35

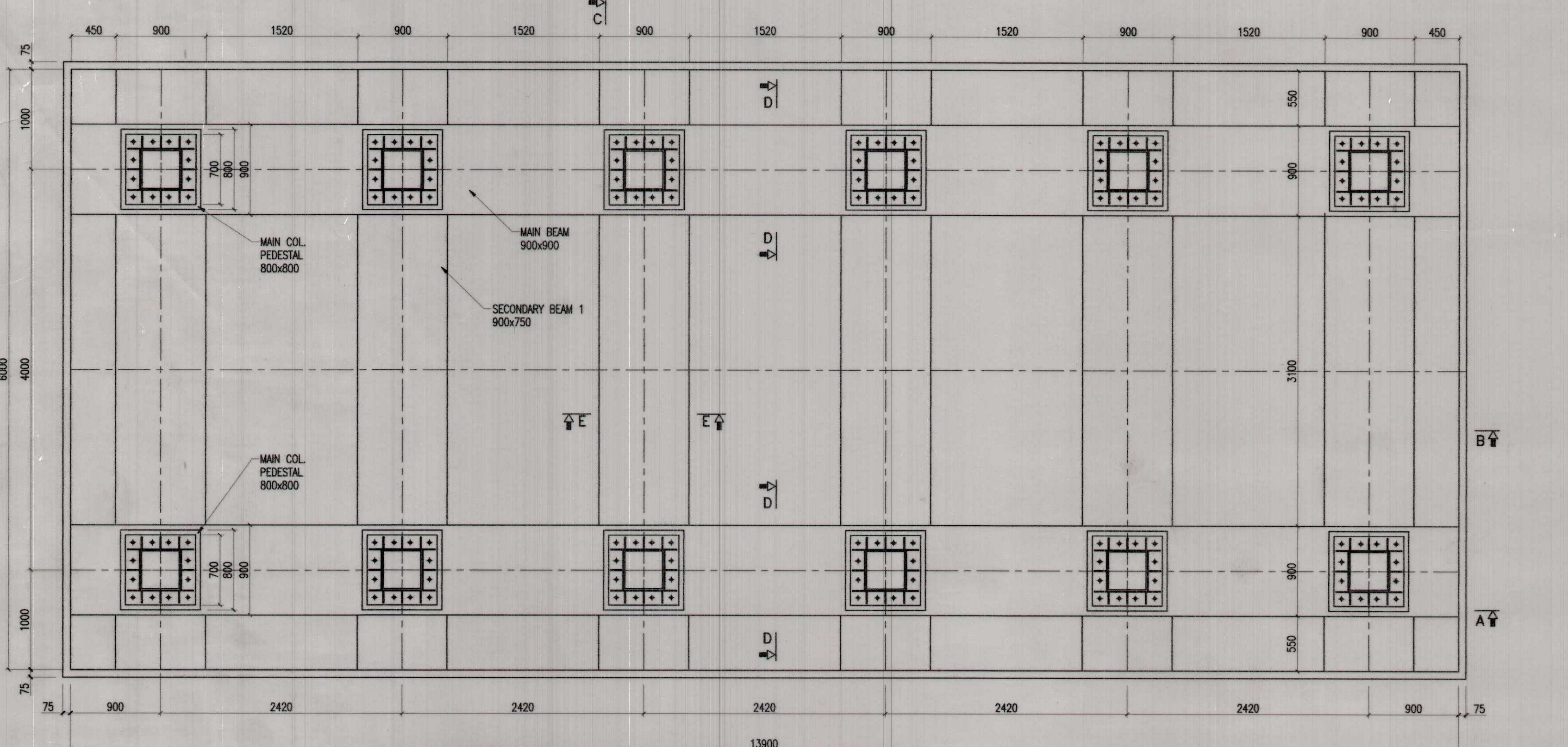
(SHEET No-3A)



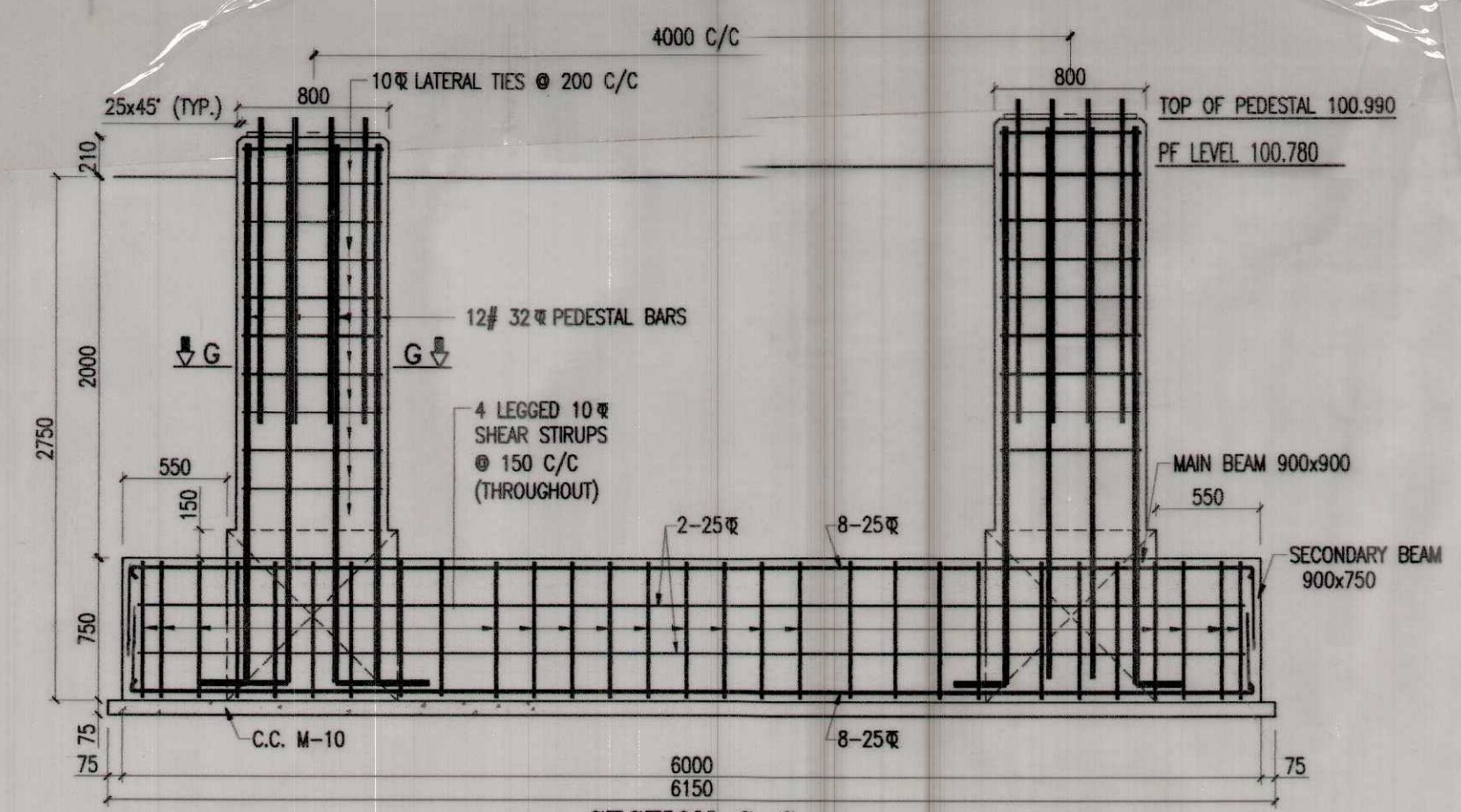
SECTION A-A
(SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)



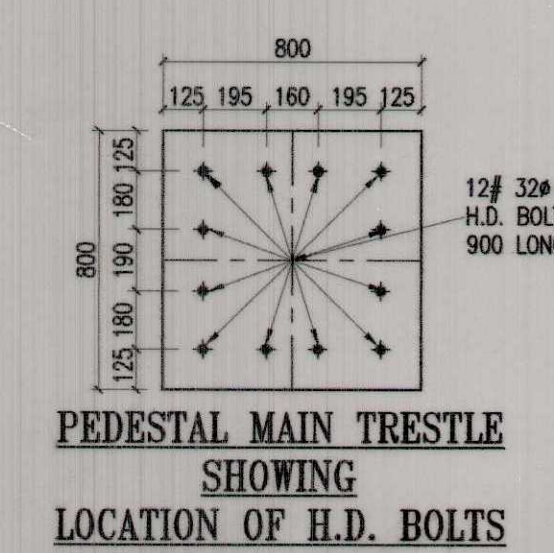
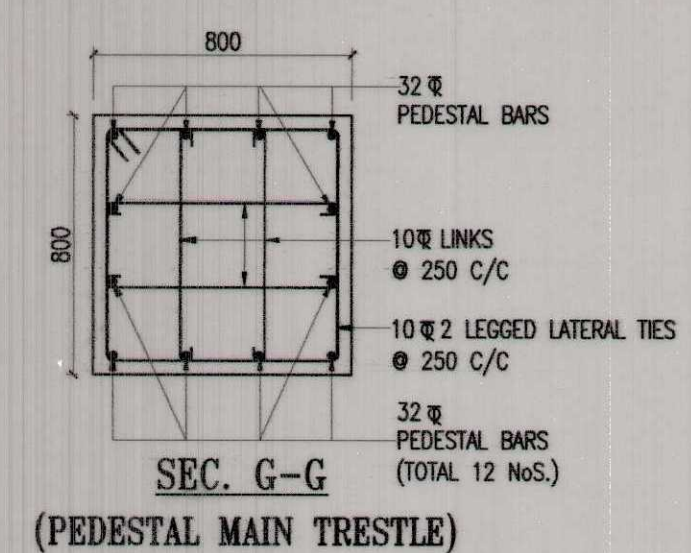
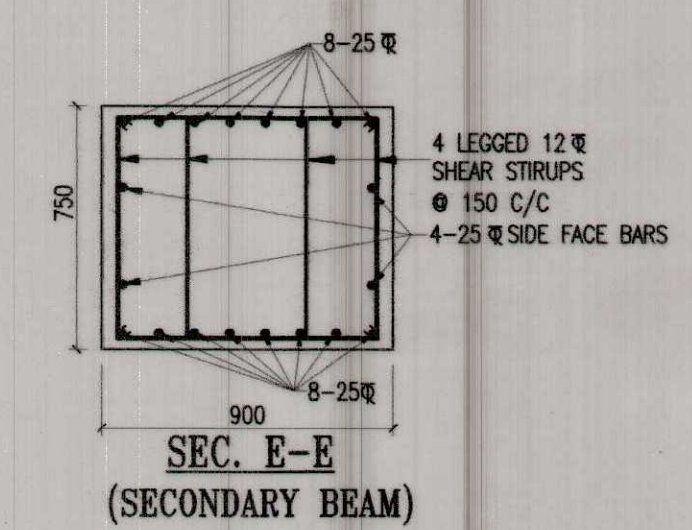
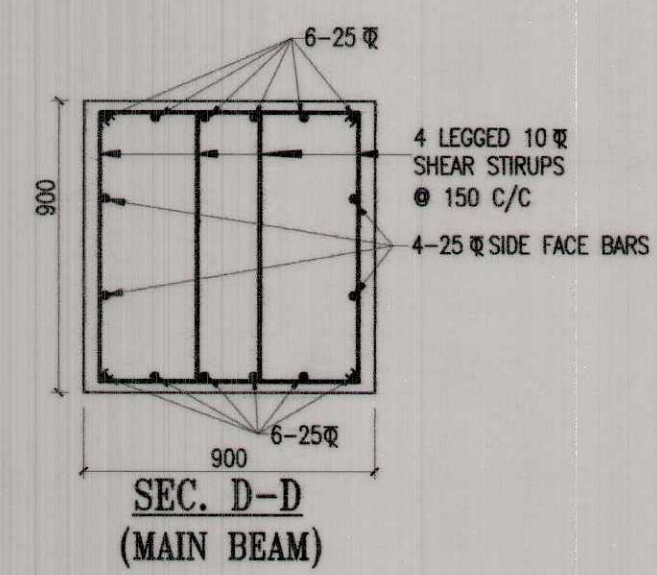
SECTION B-B
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



DETAIL OF FOUNDATION PLAN T2F1



SECTION C-C
(SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)



NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE. FOLLOW WRITTEN DIMENSION ONLY.
3. FOR OTHER NOTES REFER SHEET NO. 1
4. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT SHEETS.

FOR	SEE
GENERAL ARRANGEMENT	NRHQE PLAN NO. FB-101/UMB
FOUNDATION LAYOUT PLAN	SHEET No-2.
DETAIL OF TRESTLE FOUNDATION	SHEET No-3A, 3B
DETAIL OF STAIRCASE FOUNDATIONS	SHEET No-4.
DETAIL OF RAMP FOUNDATIONS	SHEET No-5A, 5B

AGENCY		CBE (B.B.S. TO M.H.S.)	
PANKAJ JETAL CONTRACTOR		DY. CE / RD (S.K. GARG)	
SR. DEN-IV/UMB		AXEN/BD	
ADEN/SR		SSE/DESIGN	
SSE/WR/PPAR		SSE/DRG	
DIVISIONAL OFFICERS		HQ. OFFICERS	

PROOF CHECKED BY: V.D. SHARMA (ME Structures), P.E. CHARTERED ENGINEER

DESIGN & DRAWING: [Signature]

REVISION: [Table with S.No., REVISION, DATE, APPROVED]

AMBALA DIVISION

PROPOSED 12.0 M WIDE FOOT OVER BRIDGE AT RUP NAGAR RAILWAY STATION UNDER AMRIT BHARAT STATION SCHEME

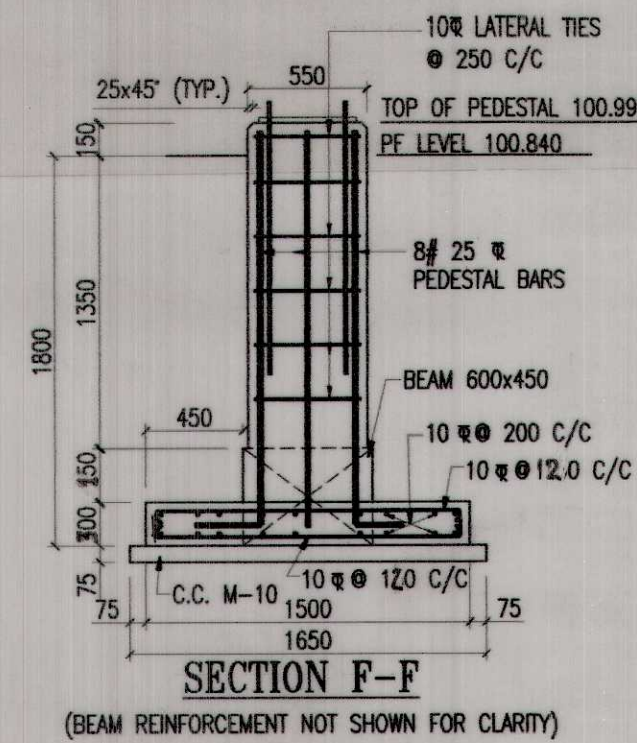
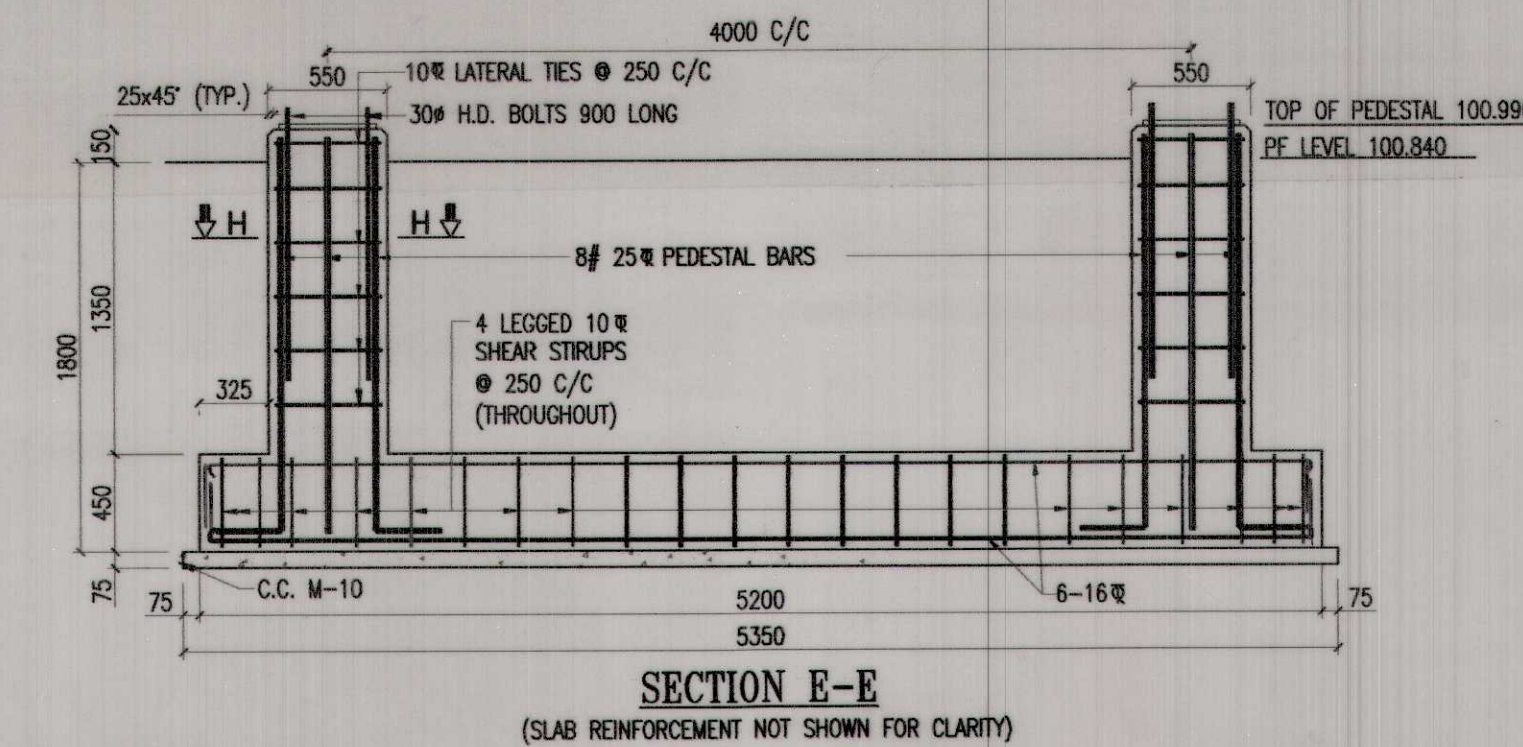
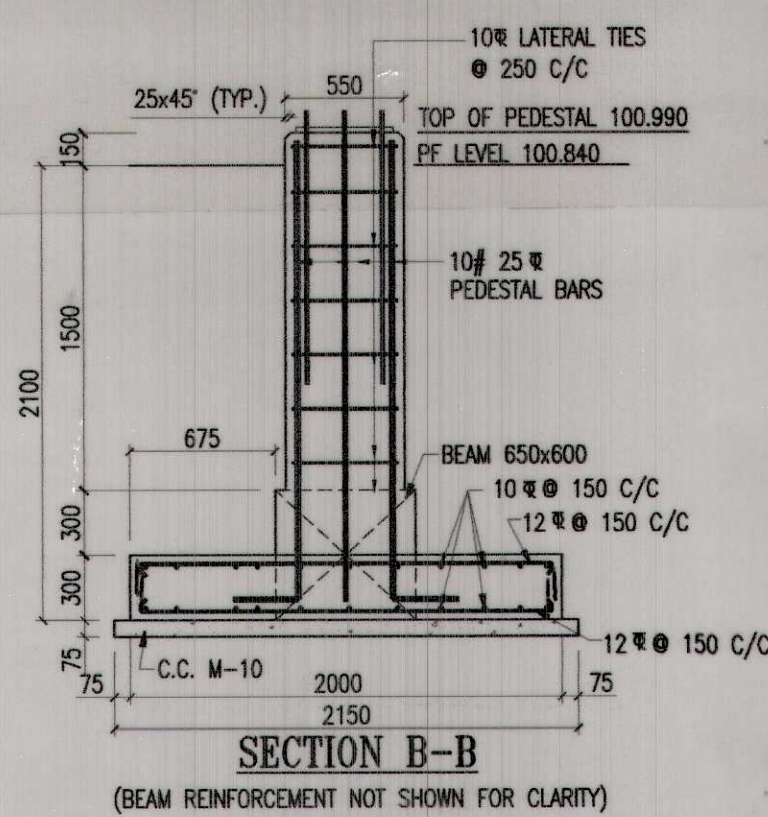
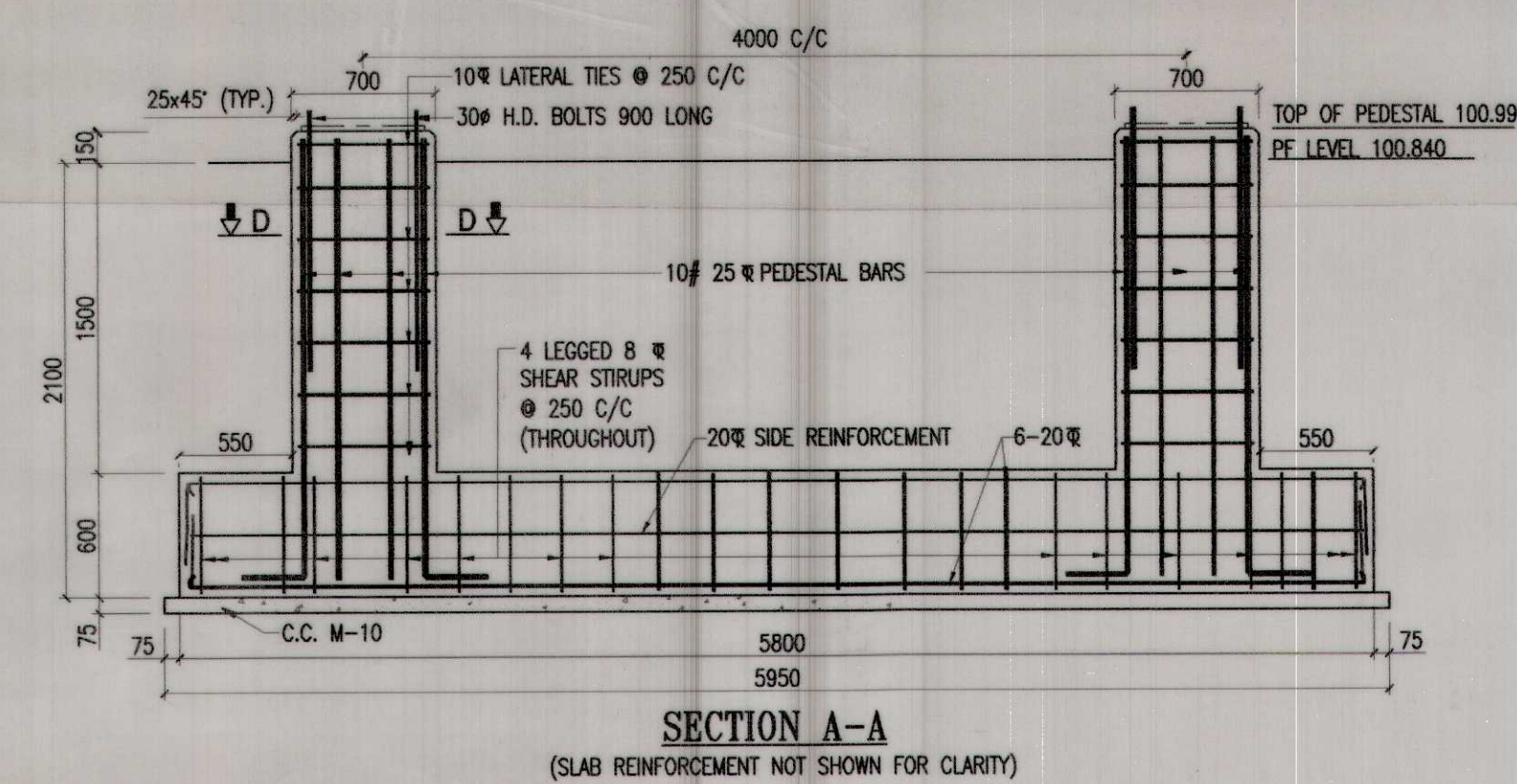
DETAIL OF TRESTLE FOUNDATION T2F1

DIVL. PLAN NO. F0B-182 | RPAR-2023 | UMB

NRHQE PLAN No. FB-101/UMB

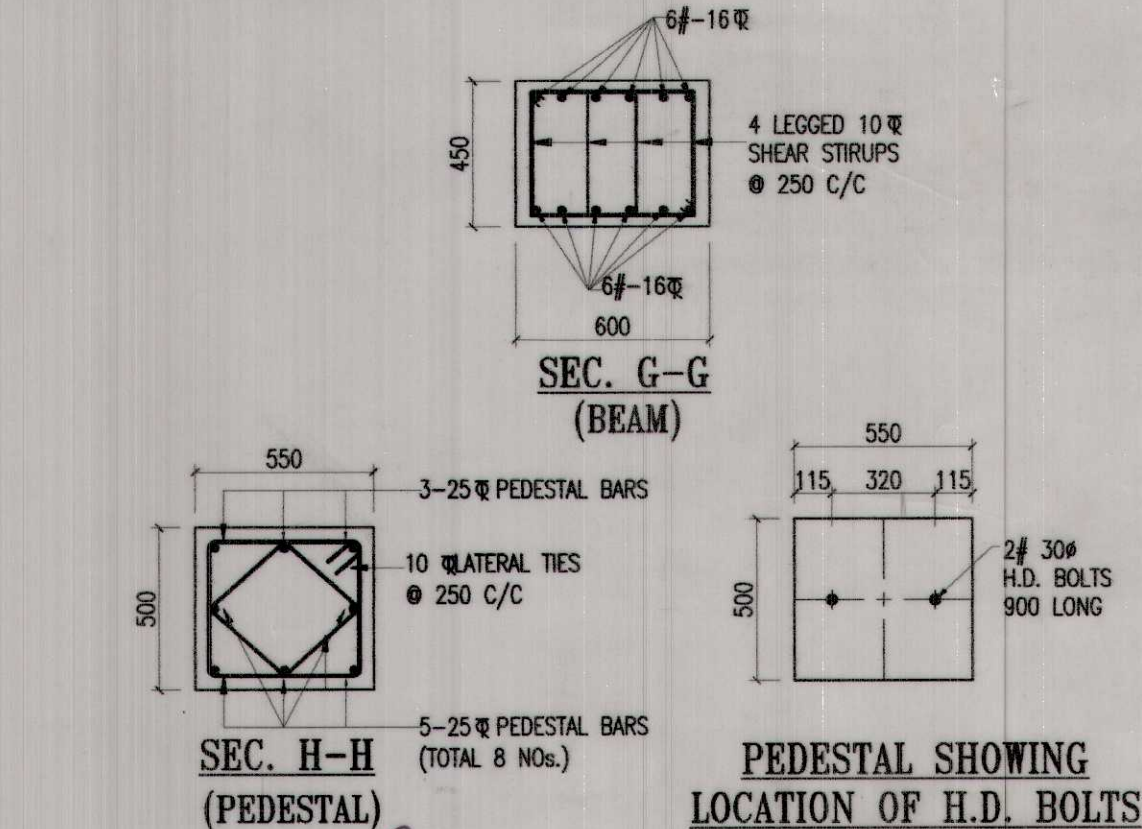
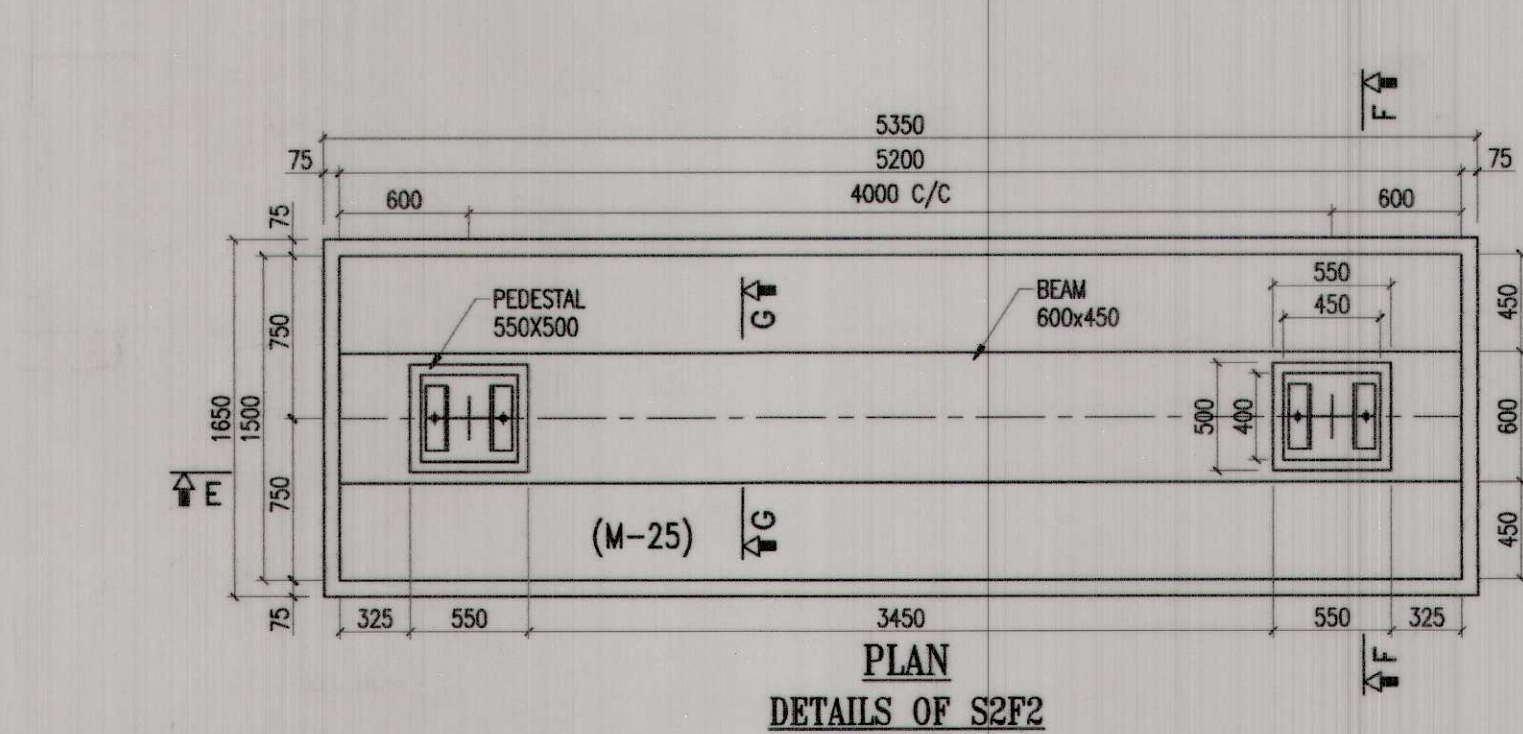
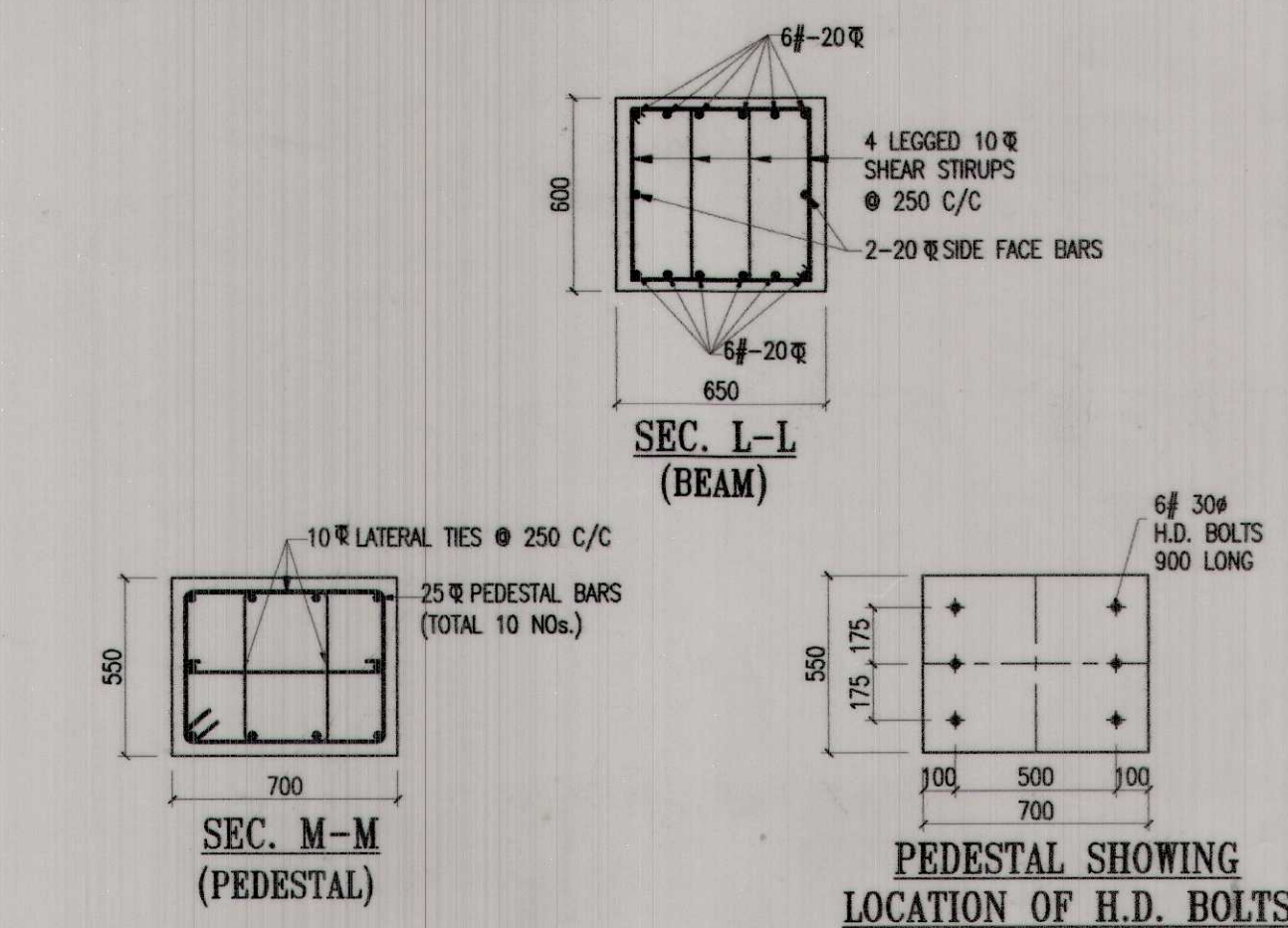
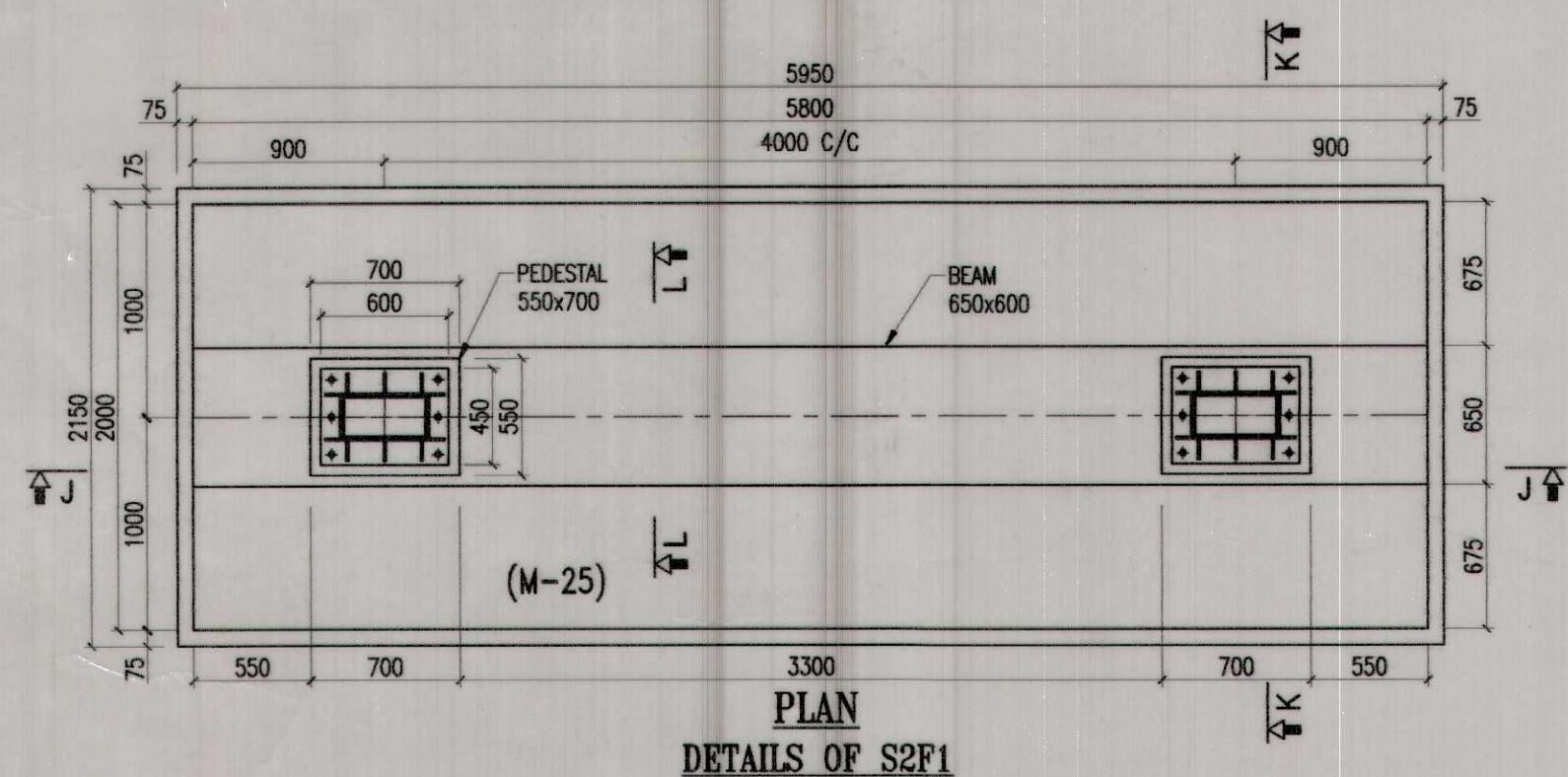
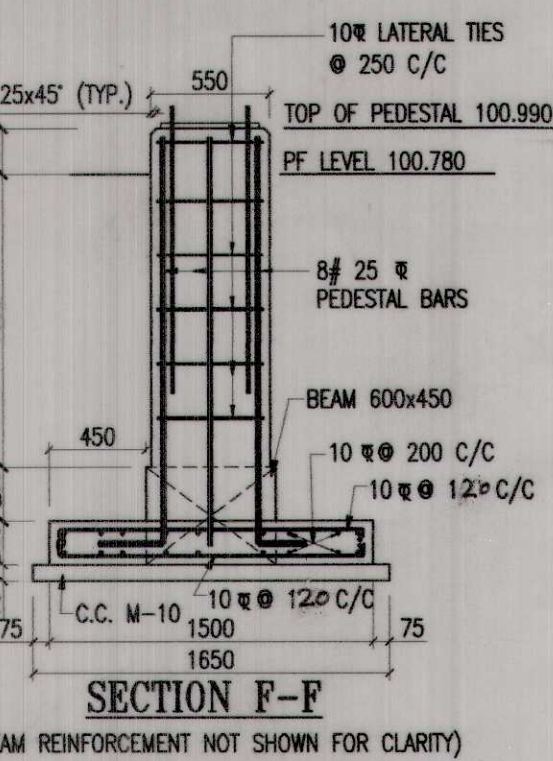
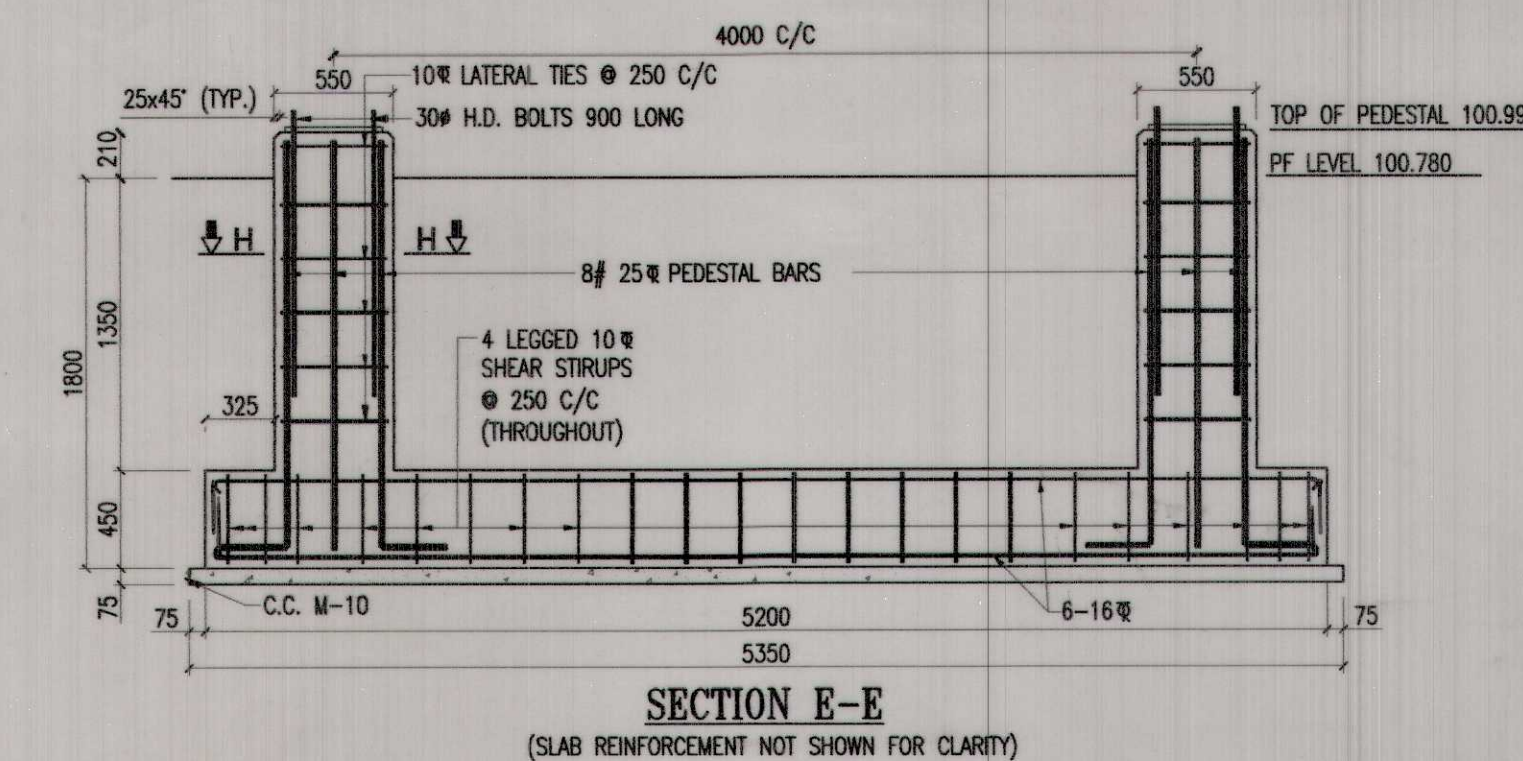
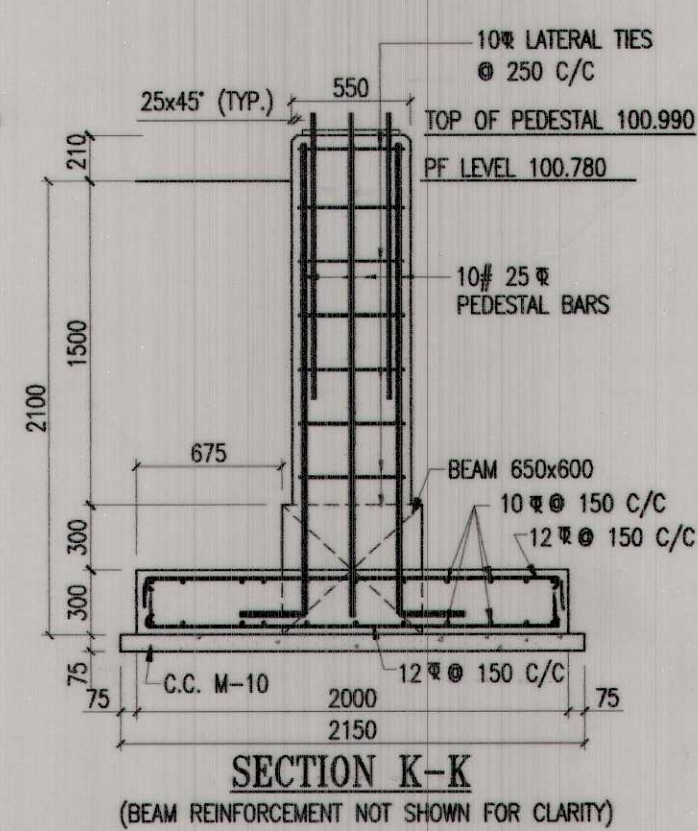
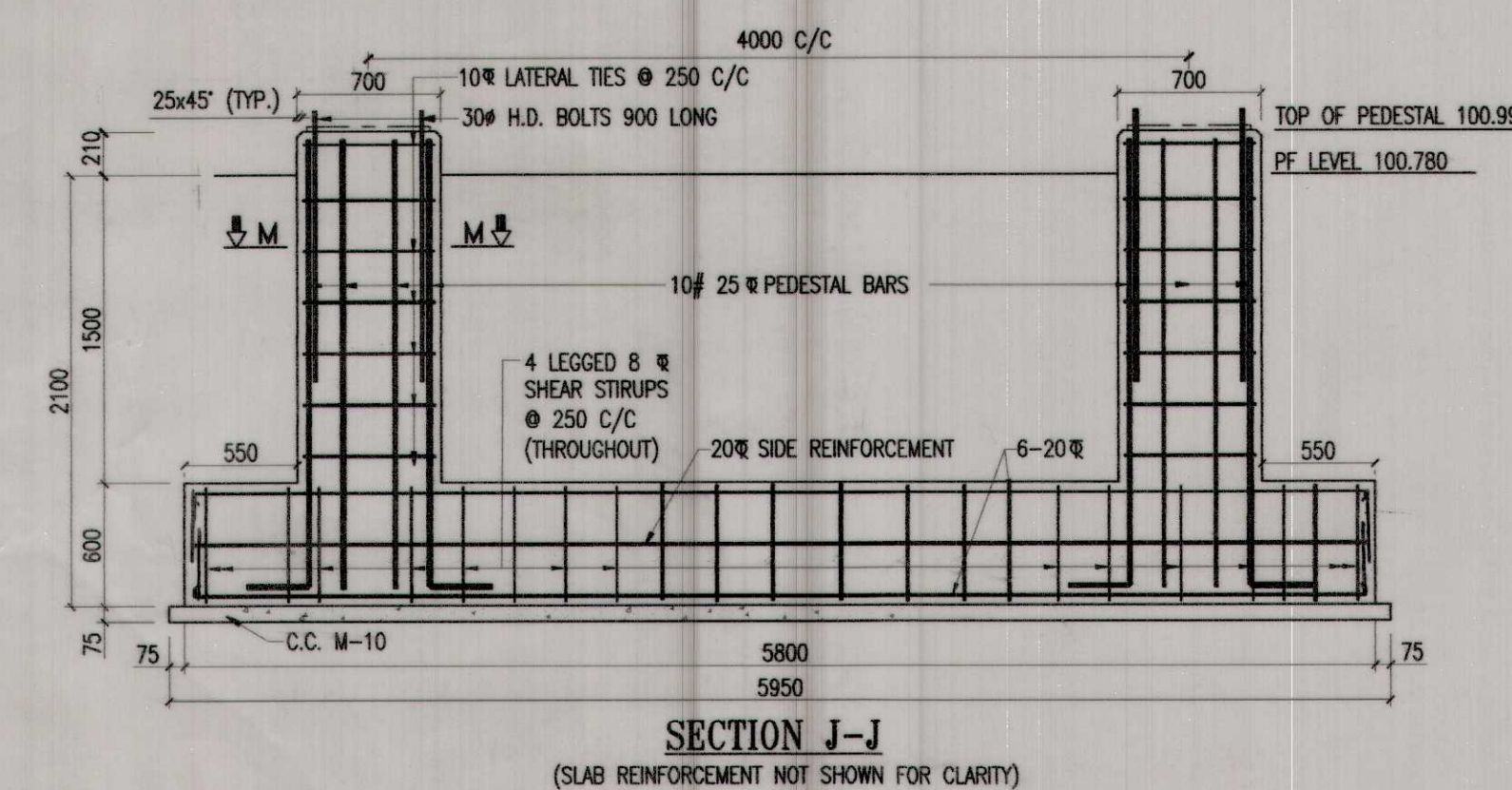
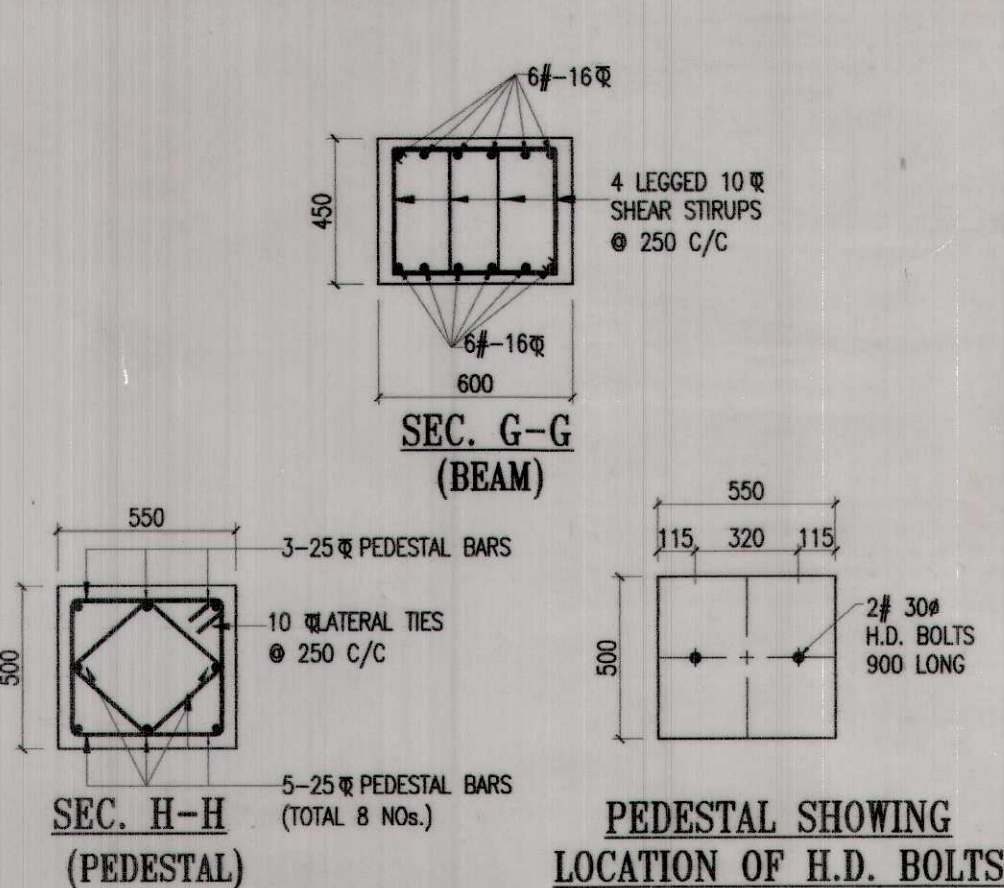
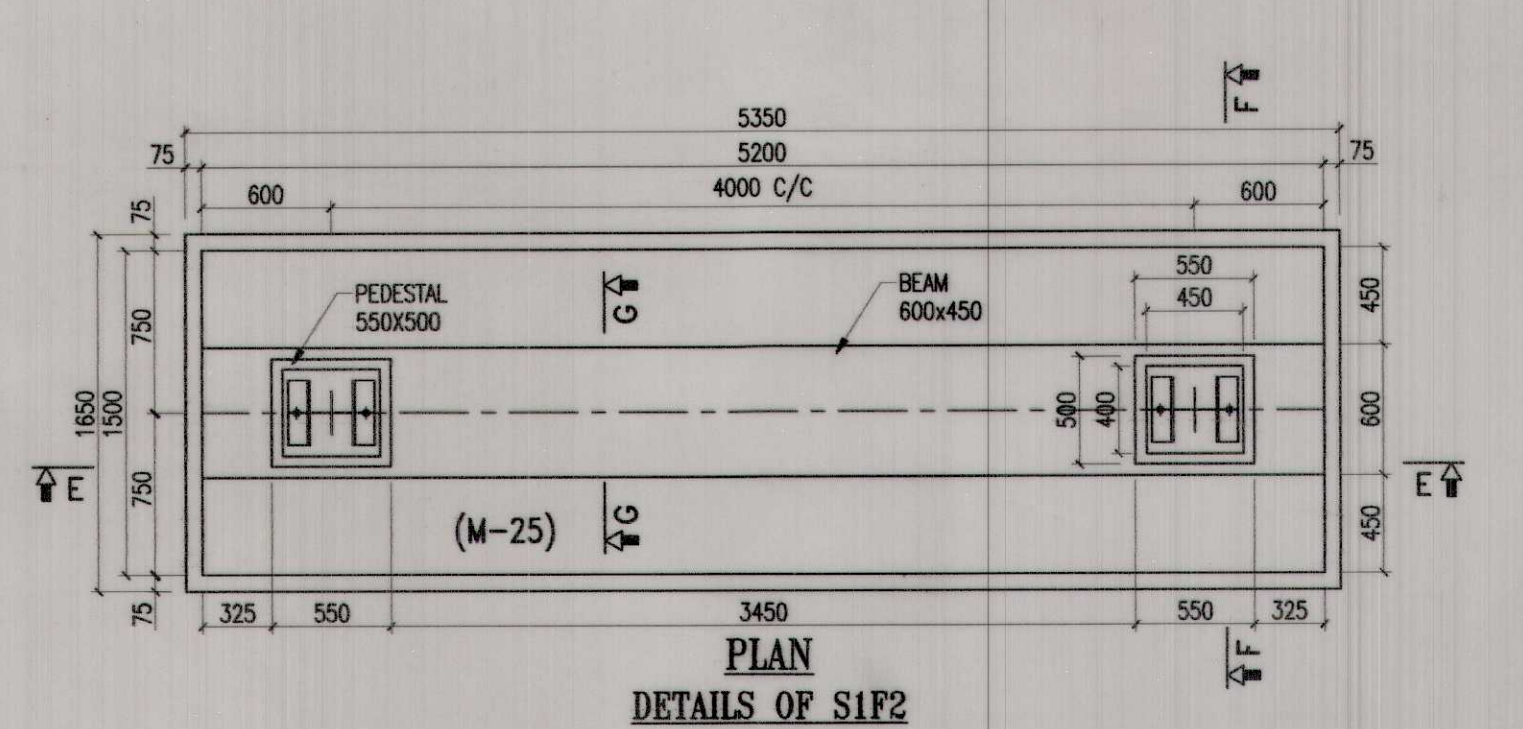
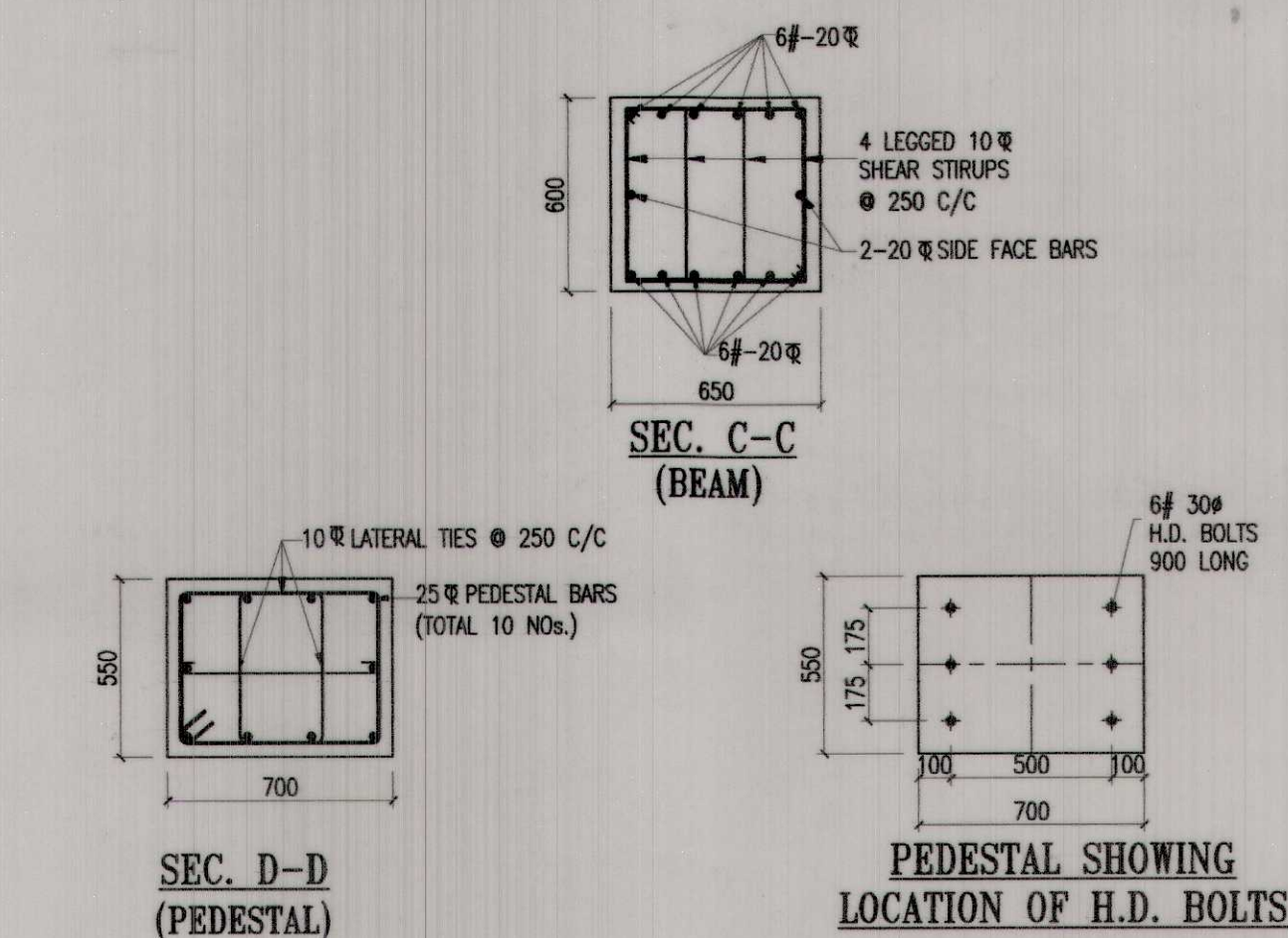
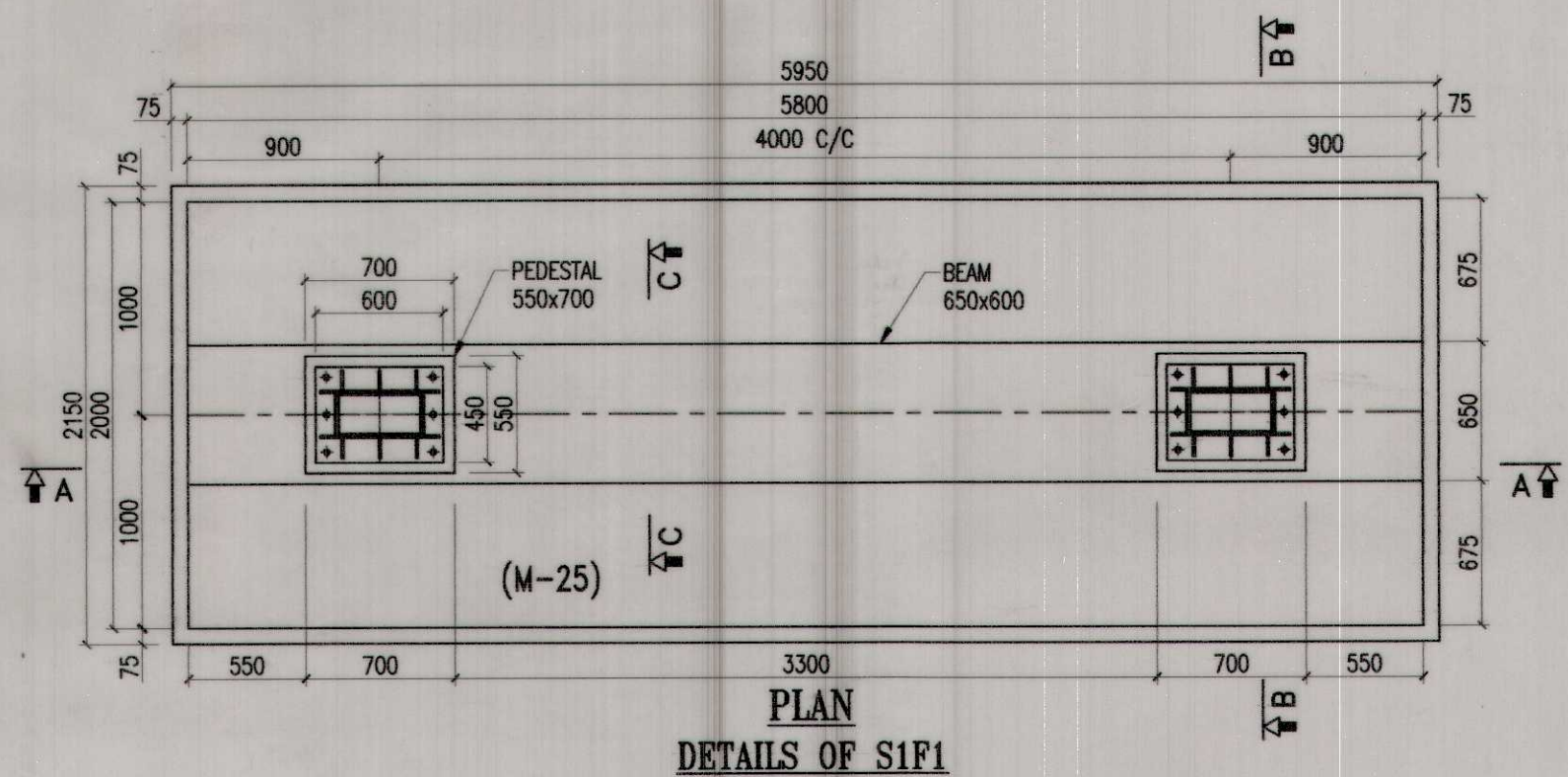
SCALE:-1:35

(SHEET No-3)



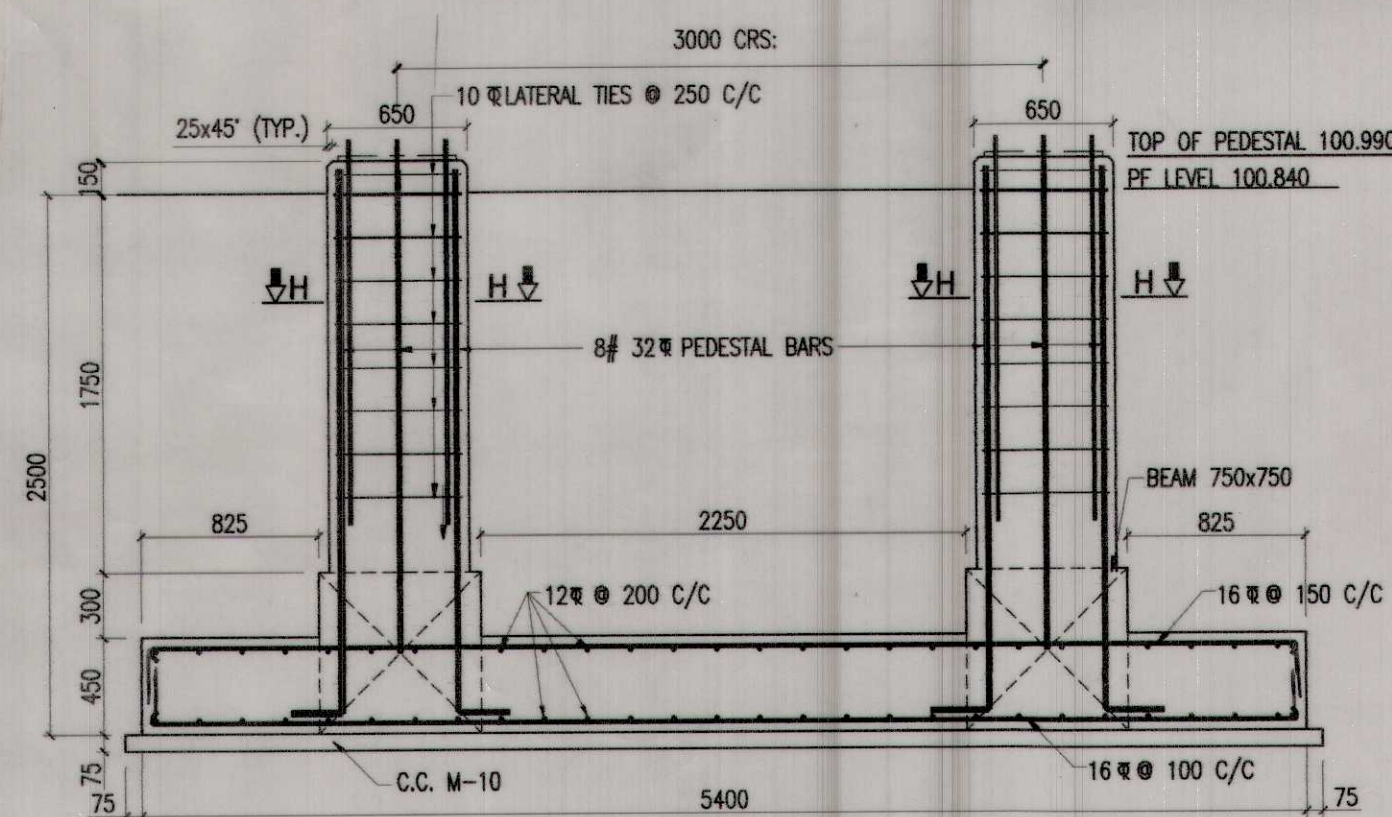
NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
3. TOP OF PEDESTAL OF STAIRCASE S1F2 & S2F2 IS INDICATIVE ONLY. IT SHOULD BE VERIFIED BEFORE CASTING OF FOUNDATIONS.
4. FOR OTHER NOTES REFER SHEET NO. 1
5. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT SHEETS.

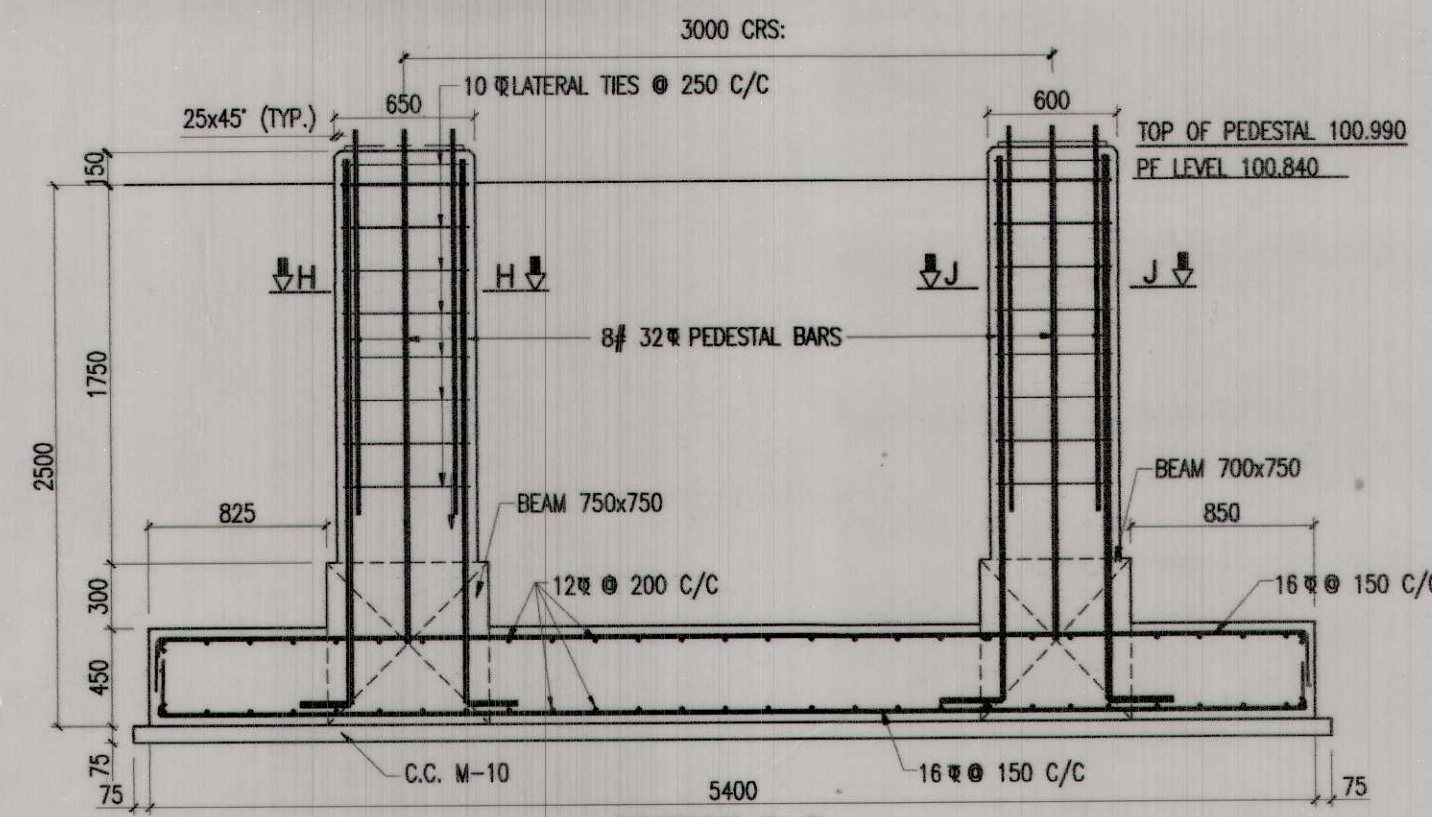


FOR	SEE
GENERAL ARRANGEMENT	NRHQ PLAN NO. FB-101/UMB
FOUNDATION LAYOUT PLAN	SHEET No-2
DETAIL OF TRESTLE FOUNDATION	SHEET No-3A, 3B
DETAIL OF STAIRCASE FOUNDATIONS	SHEET No-4
DETAIL OF RAMP FOUNDATIONS	SHEET No-5A, 5B

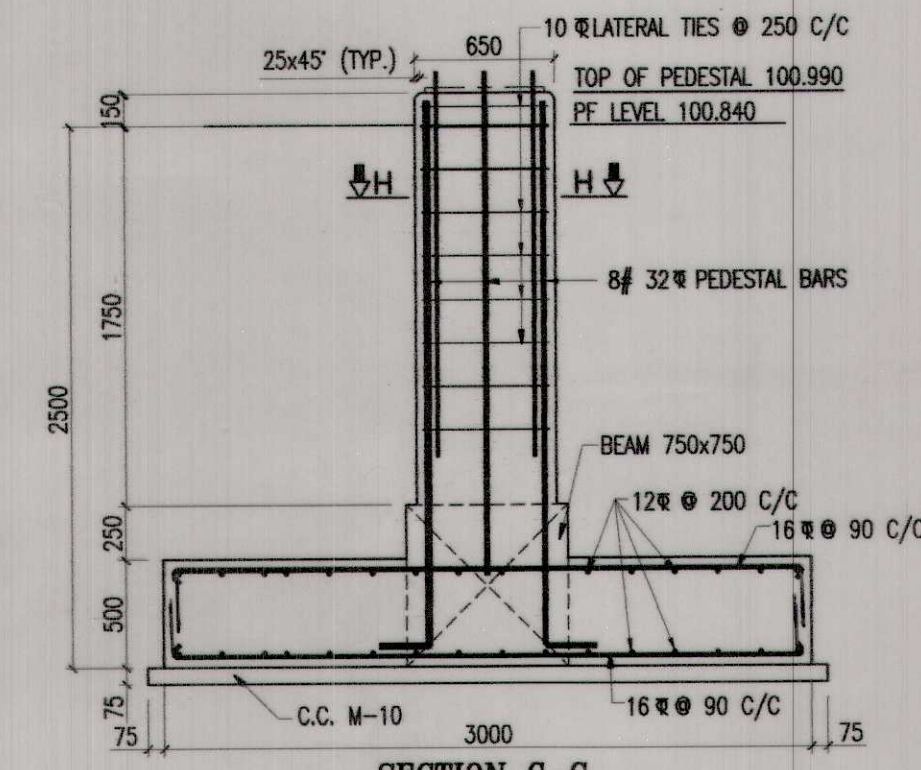
AGENCY				AMBALA DIVISION			
PANKAJ JINDAL CONTRACTOR Vijay Jindal AUTH. SIGNATORY				PROPOSED 12.0 M WIDE FOOT OVER BRIDGE AT RUP NAGAR RAILWAY STATION UNDER AMRIT BHARAT STATION SCHEME			
PROOF CHECKED BY				DETAIL OF STAIRCASE FOUNDATIONS S1F1, S1F2, S2F1 & S2F2			
DESIGN & DRAWING				DIVL. PLAN NO. FOB-102/RPAR-2023/UMB			
V.D. SHARMA ME (Structures), FIE REGISTERED ENGINEER				NRHQ PLAN No. FB-101/UMB			
DIVISIONAL OFFICERS				SCALE-1:35			
HQ. OFFICERS				(SHEET No-4)			



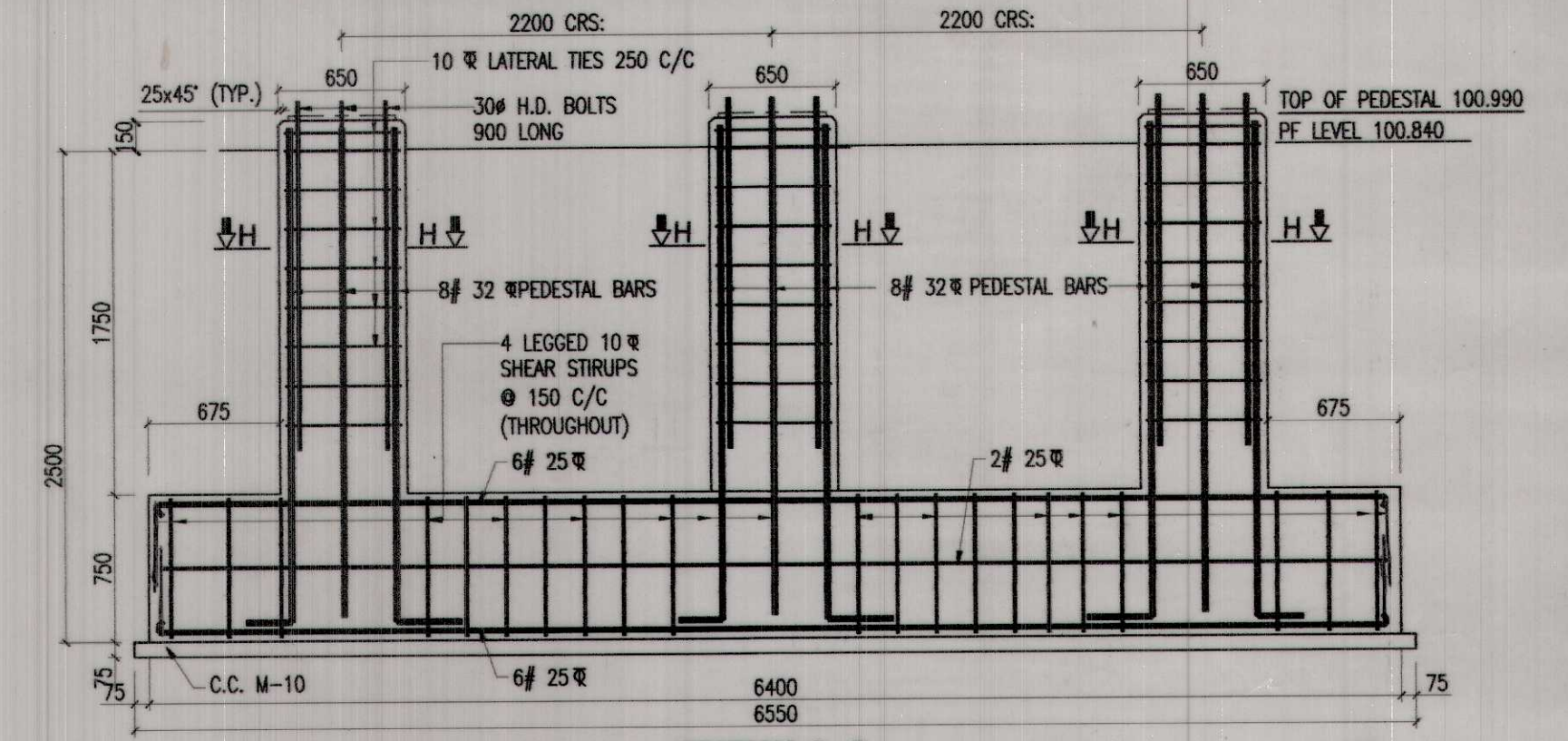
SECTION A-A
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



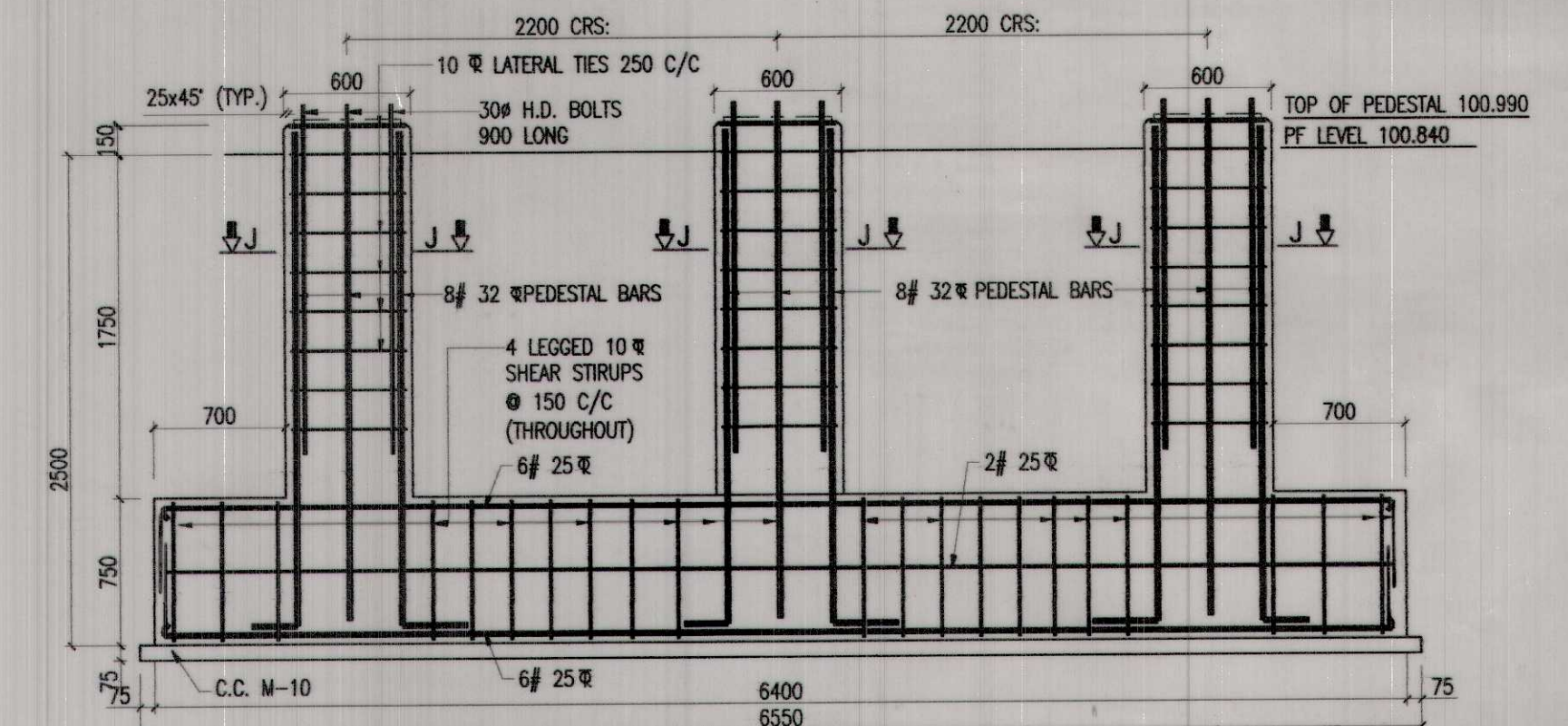
SECTION B-B
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



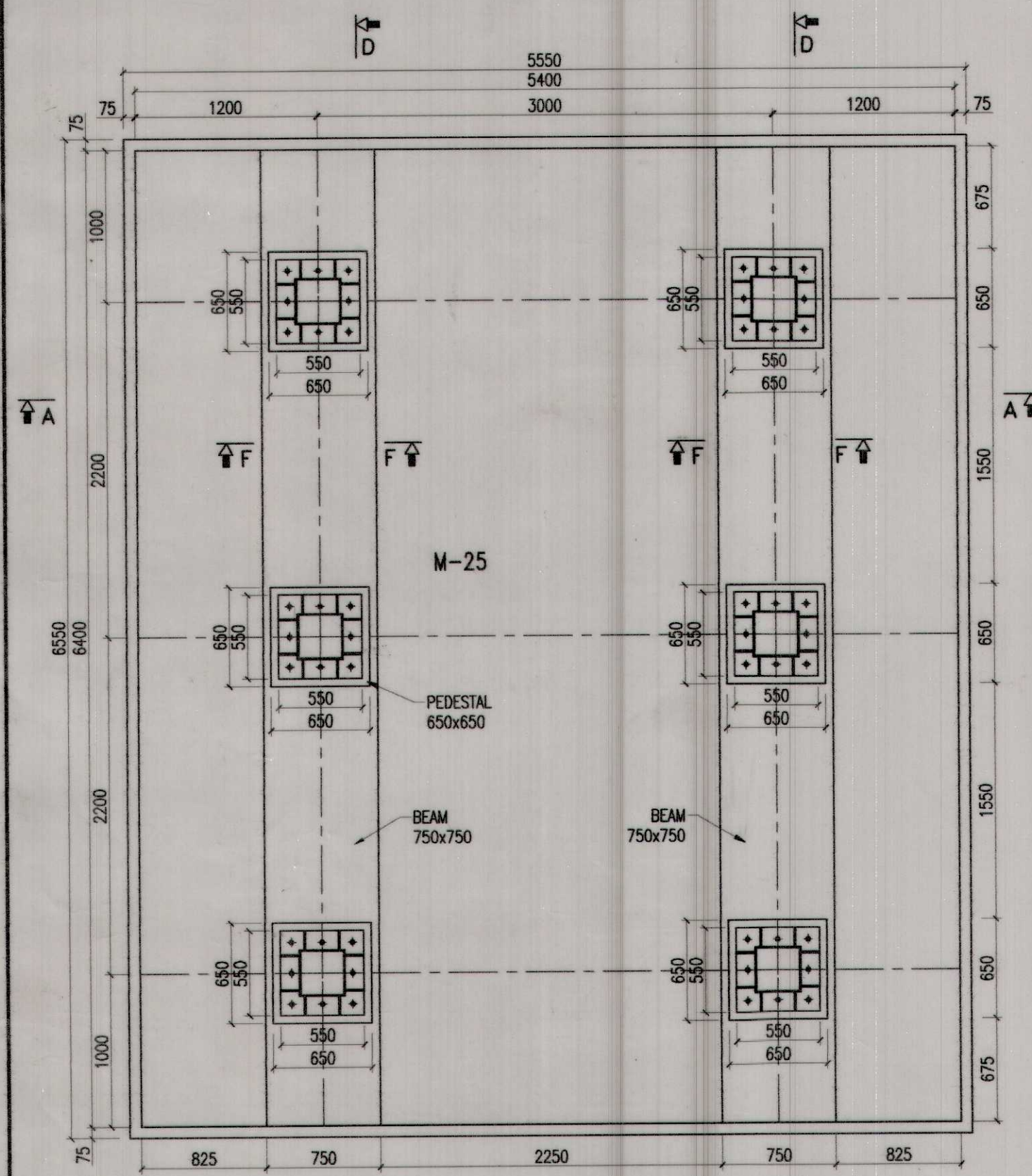
SECTION C-C
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



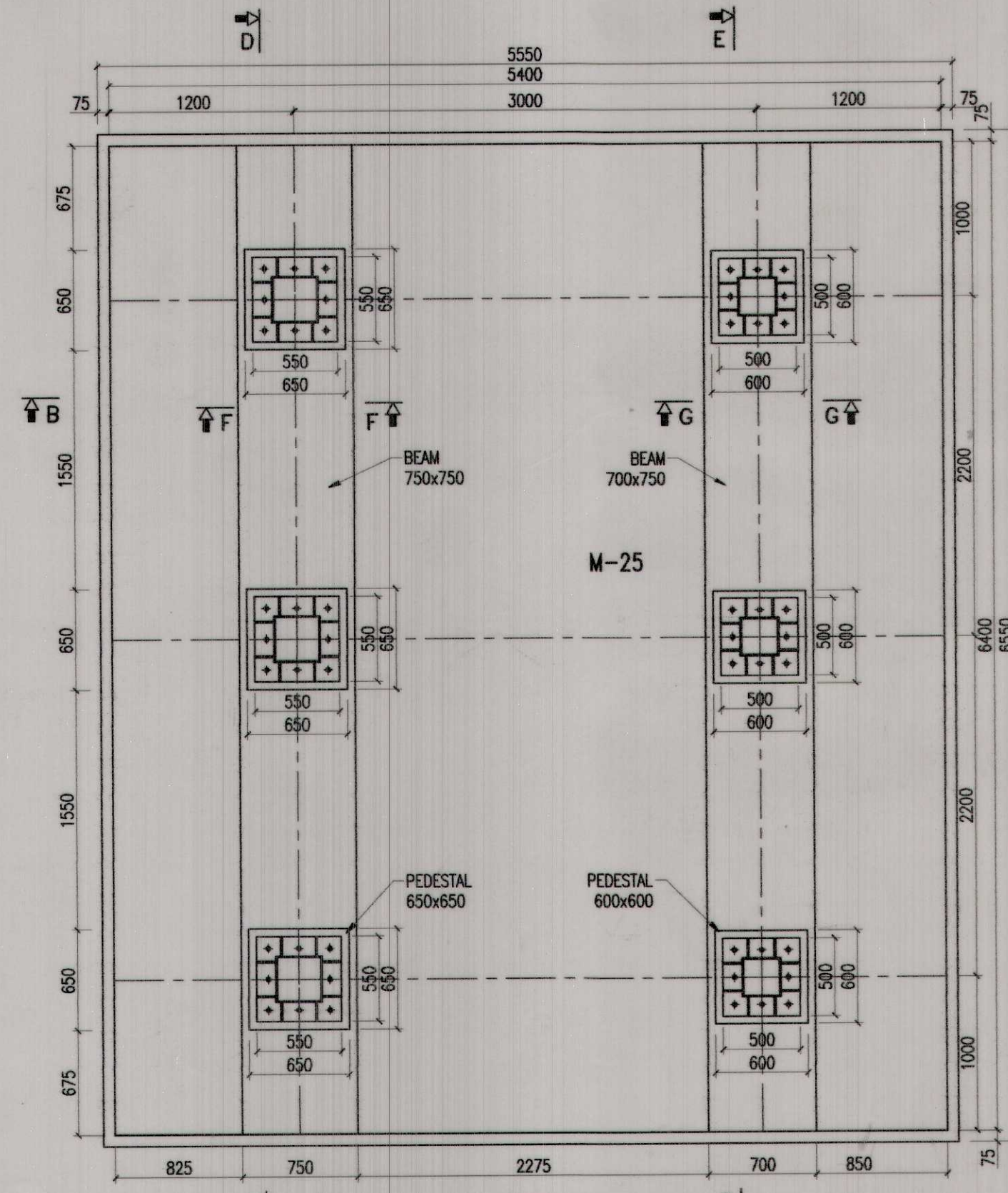
SECTION D-D
(SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)



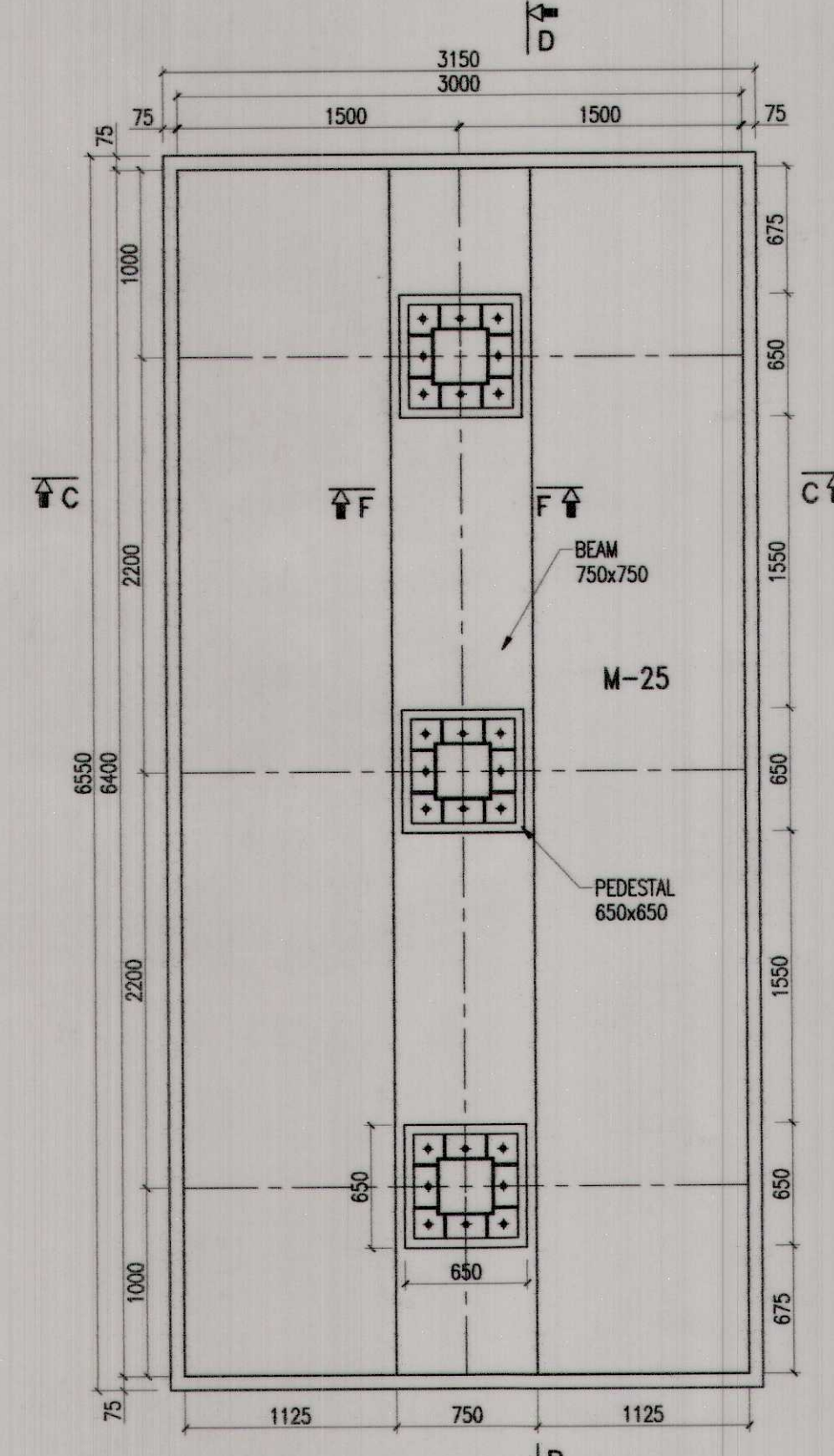
SECTION E-E
(SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)



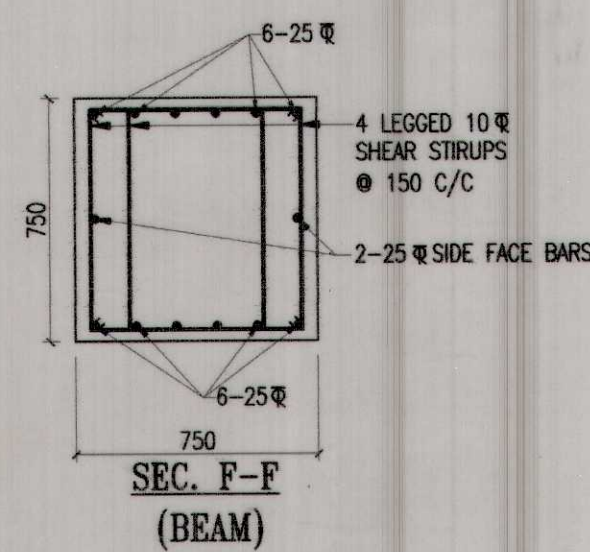
PLAN
DETAILS OF R1TF1



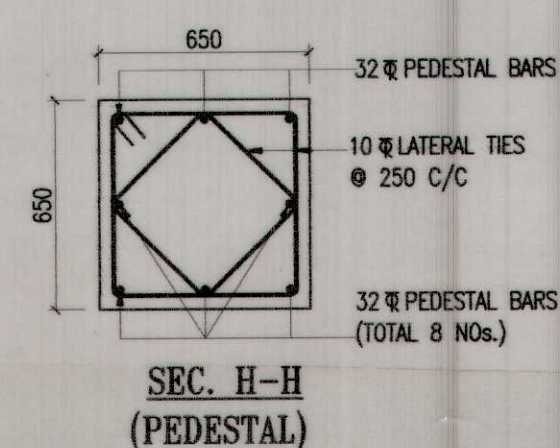
PLAN
DETAILS OF R1TF2



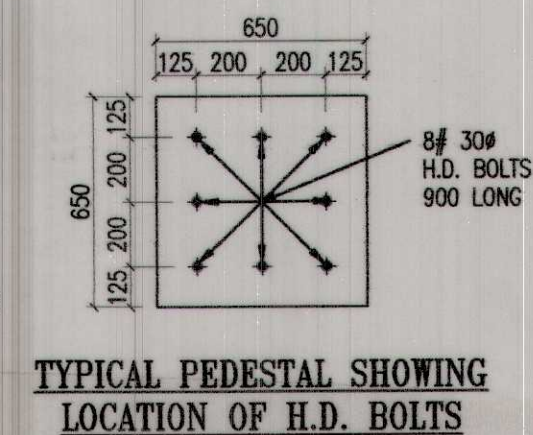
PLAN
DETAILS OF R1F1



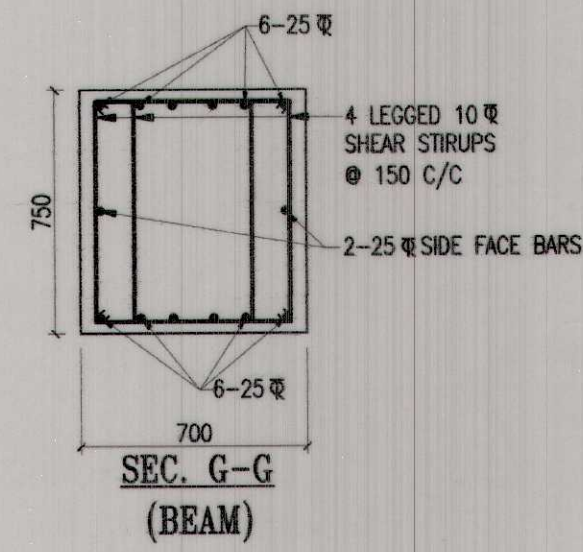
SEC. F-F
(BEAM)



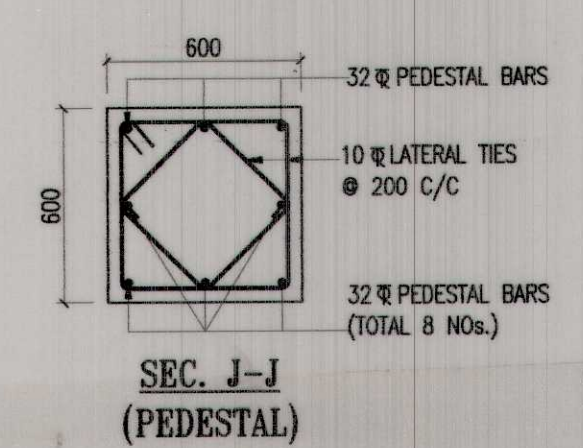
SEC. H-H
(PEDESTAL)



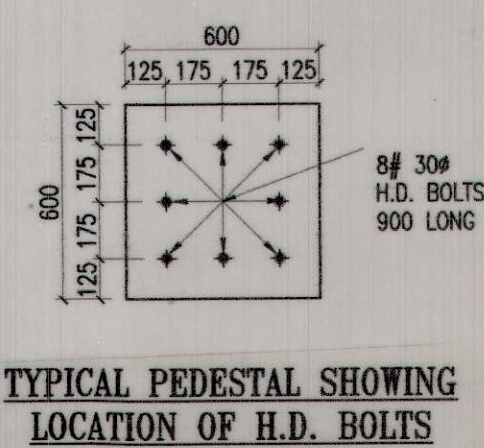
TYPICAL PEDESTAL SHOWING
LOCATION OF H.D. BOLTS



SEC. G-G
(BEAM)



SEC. J-J
(PEDESTAL)



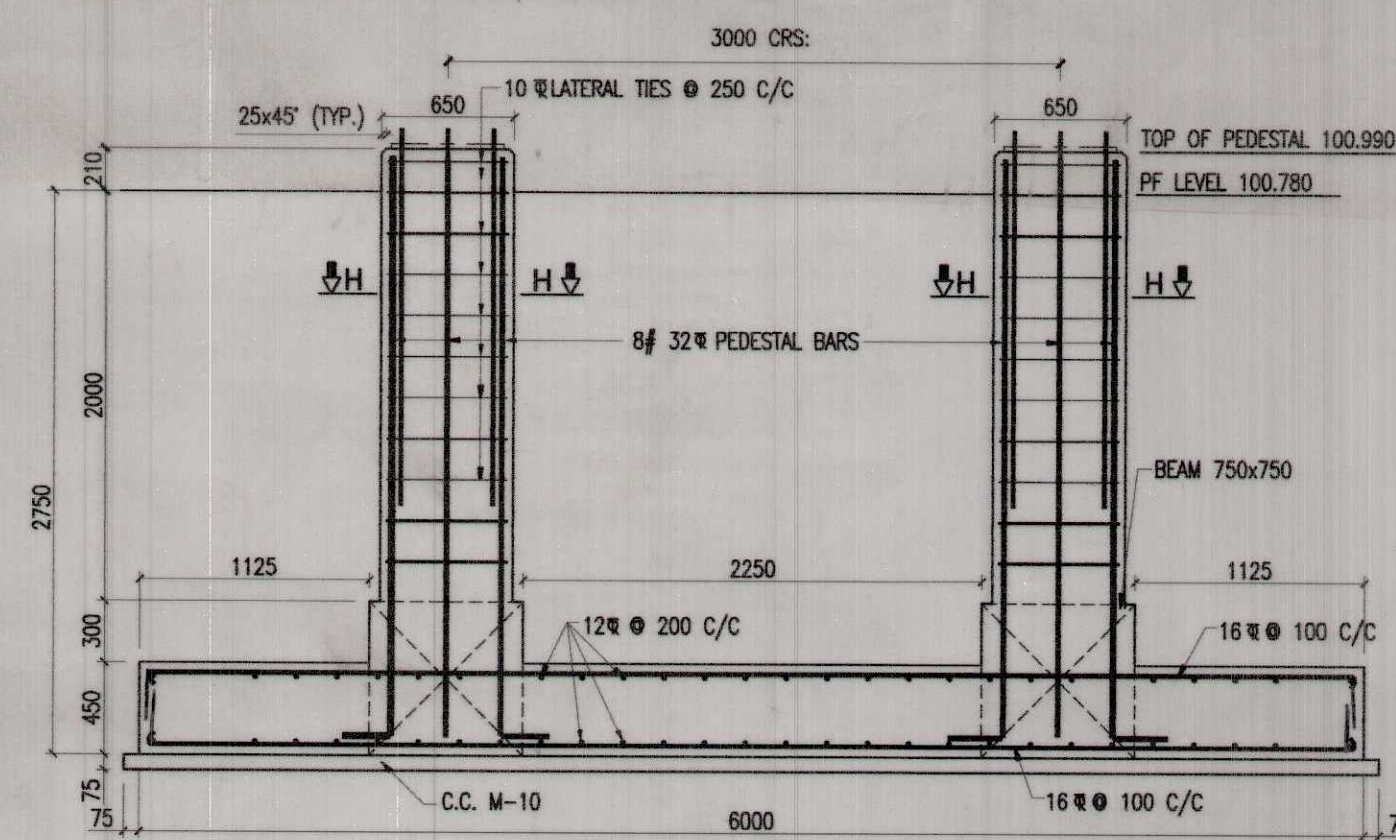
TYPICAL PEDESTAL SHOWING
LOCATION OF H.D. BOLTS

NOTES:-

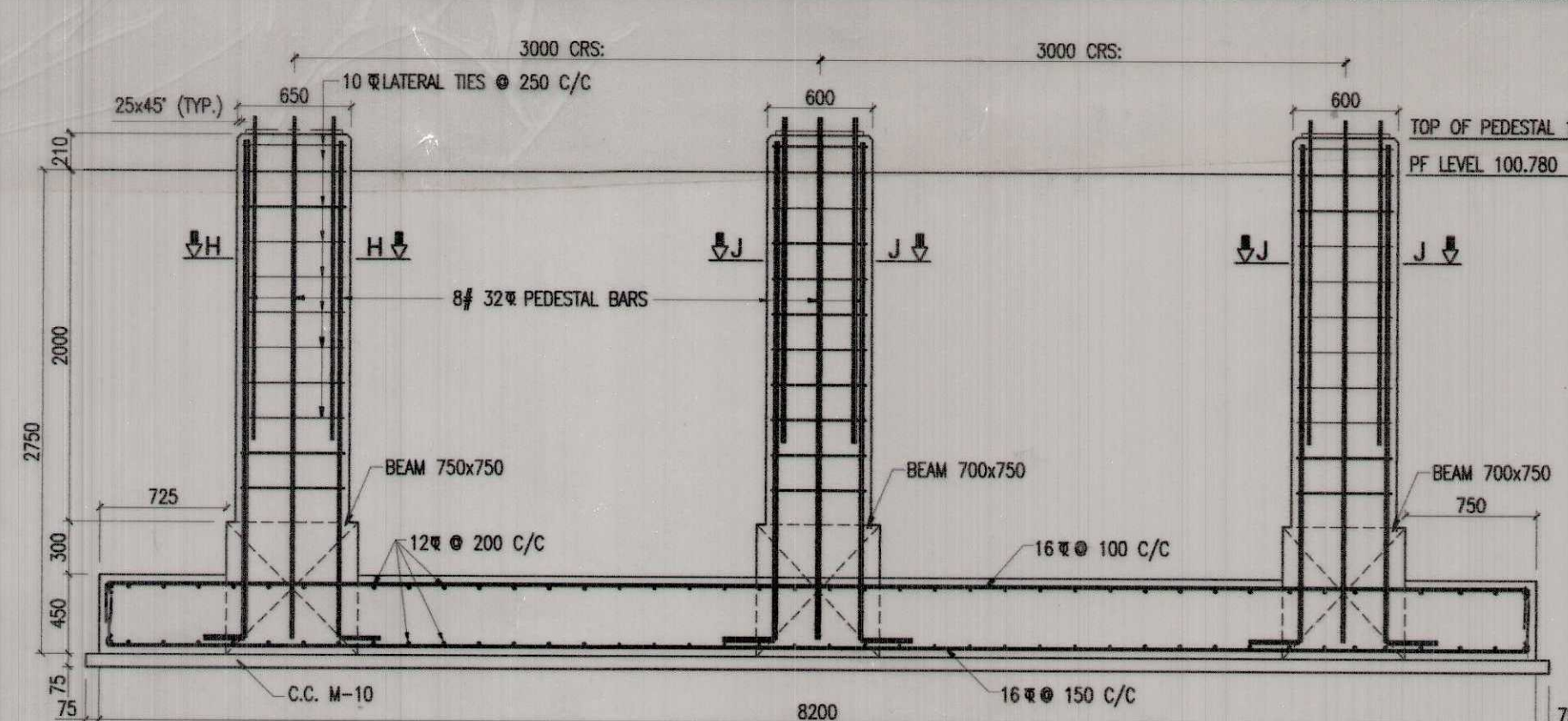
1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
3. FOR OTHER NOTES REFER SHEET NO. 1.
4. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT SHEETS.

FOR	SEE
GENERAL ARRANGEMENT	NRHQ PLAN NO. FB-101/UMB
FOUNDATION LAYOUT PLAN	SHEET No-2
DETAIL OF TRESTLE FOUNDATION	SHEET No-3A,3B
DETAIL OF STAIRCASE FOUNDATIONS	SHEET No-4
DETAIL OF RAMP FOUNDATIONS	SHEET No-5A,5B

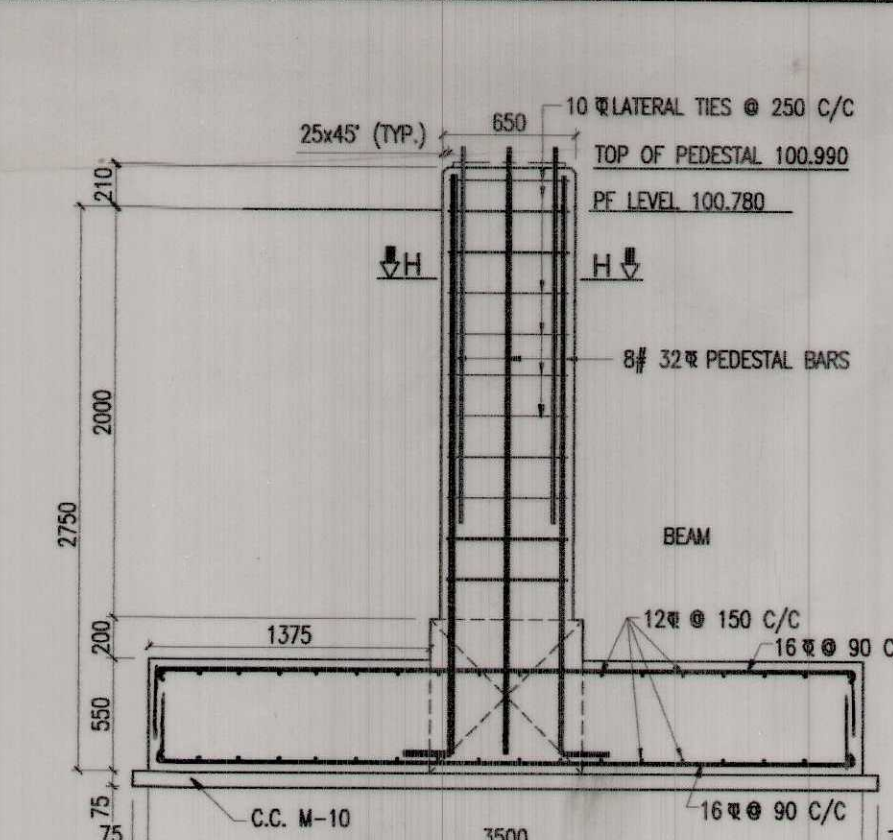
AGENCY	CBE (B.R.S. TOMAR)	AMBALA DIVISION
PANKAJ JINDAL CONTRACTOR Vimal Jindal AUTH. SIGNATORY	SR. DEN=V/UMB DY.CE/BD (S.K. GARG)	PROPOSED 12.0 M WIDE FOOT OVER BRIDGE AT RUP NAGAR RAILWAY STATION UNDER AMRIT BHARAT STATION SCHEME
PROOF CHECKED BY	ADEN/SR	DETAIL OF RAMP FOUNDATIONS R1TF1, R1TF2 & R1F1
DESIGN & DRAWING	SSE/W/RPAR	DIVL. PLAN NO. F0B-182/RPAR-2023/UMB
V.D. SHARMA ME (Structures), FIE CHARTERED ENGINEER	SSE/DRG	NRHQ PLAN No. FB-101/UMB
REVISION	DIVISIONAL OFFICERS	SCALE-1:35
	HQ. OFFICERS	(SHEET No-5A)



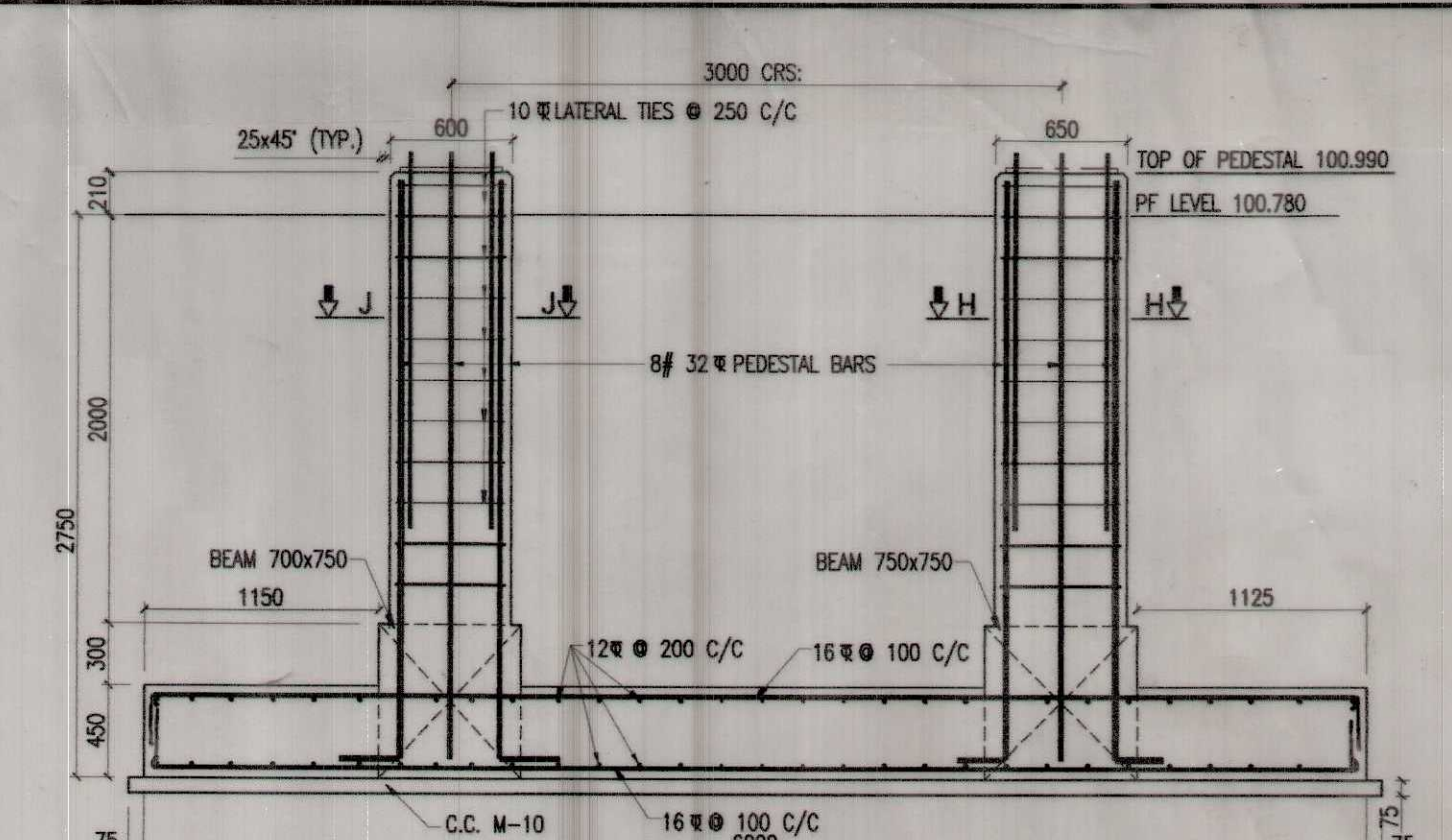
SECTION A-A
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



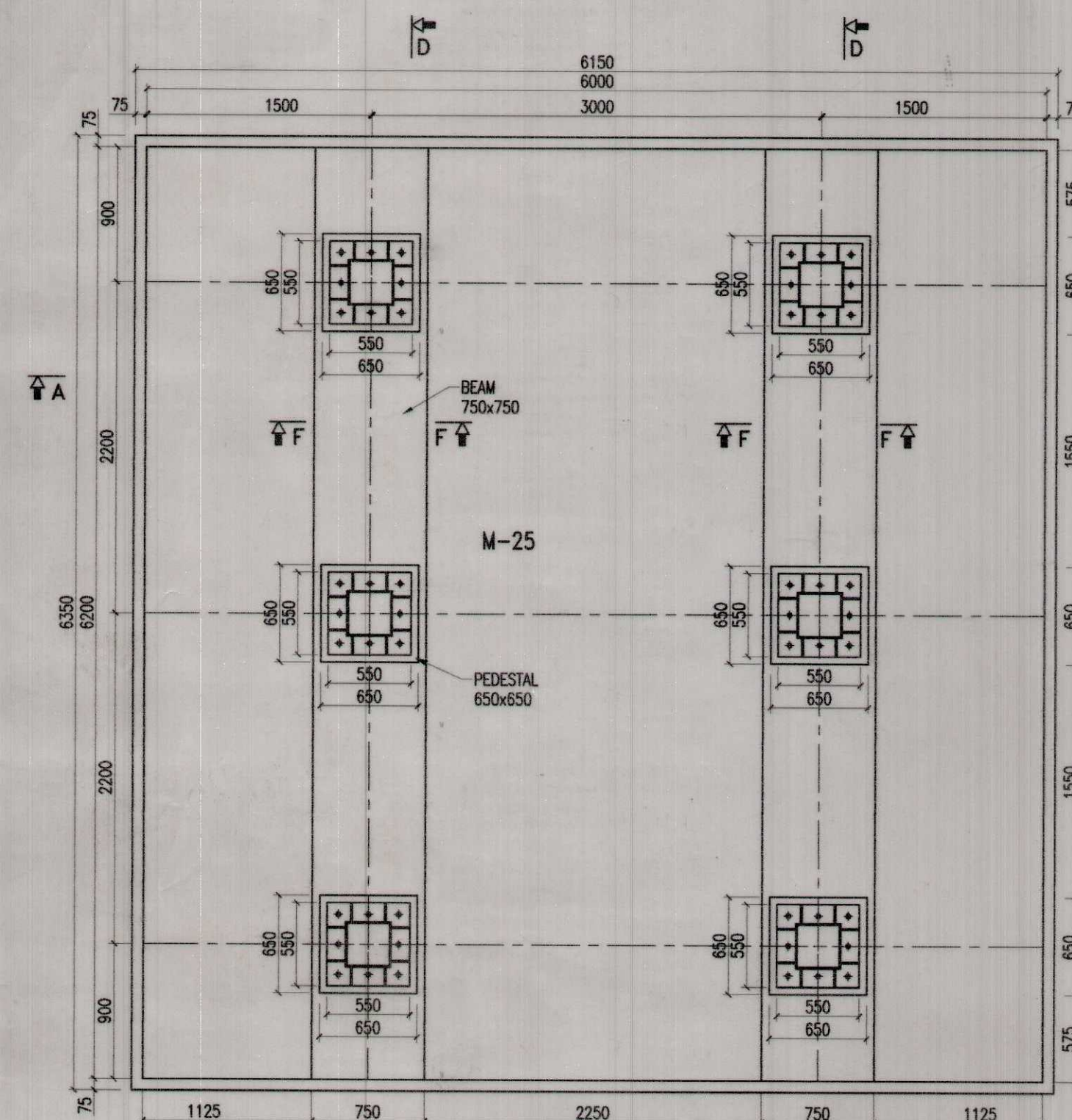
SECTION B-B
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



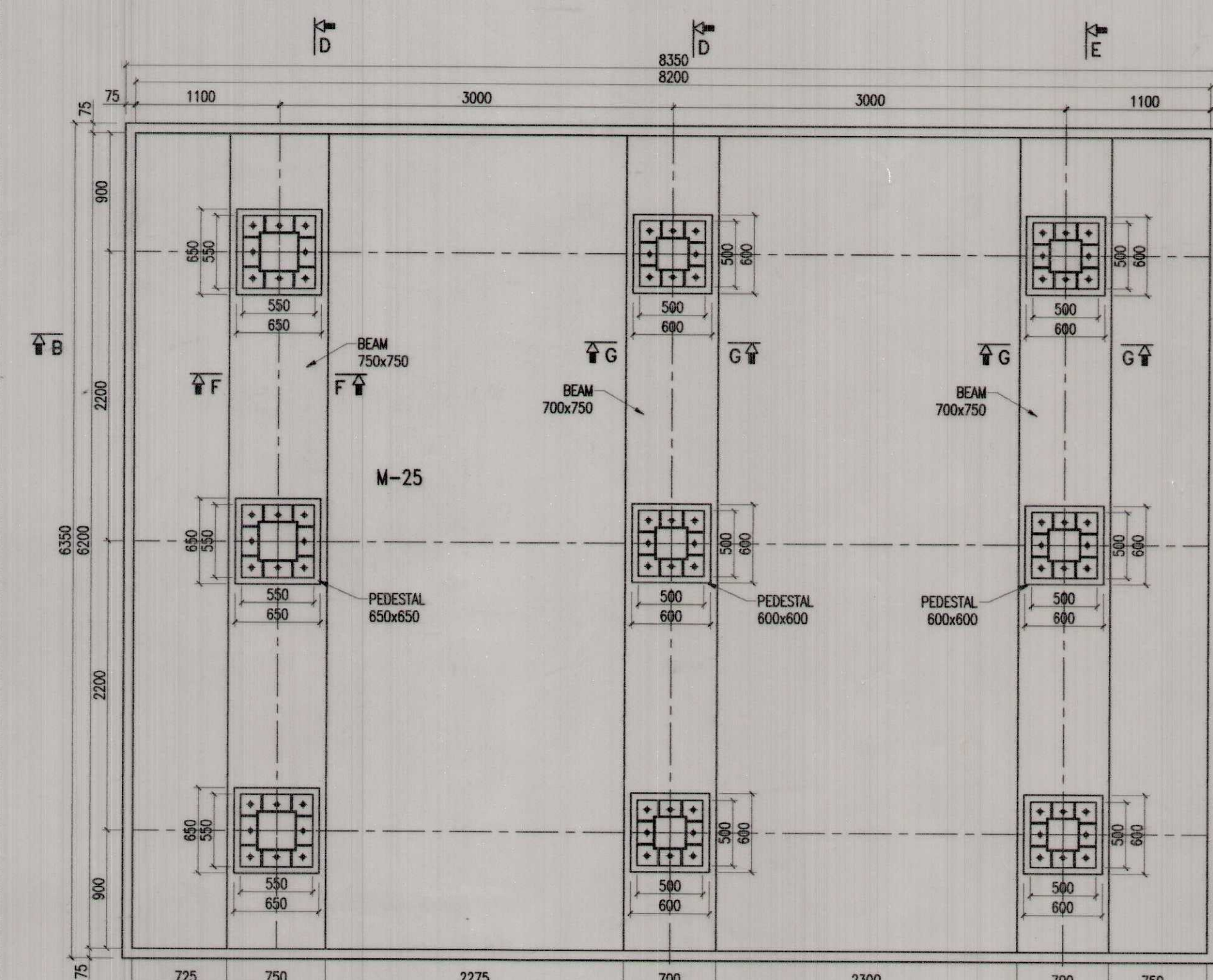
SECTION C-C
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



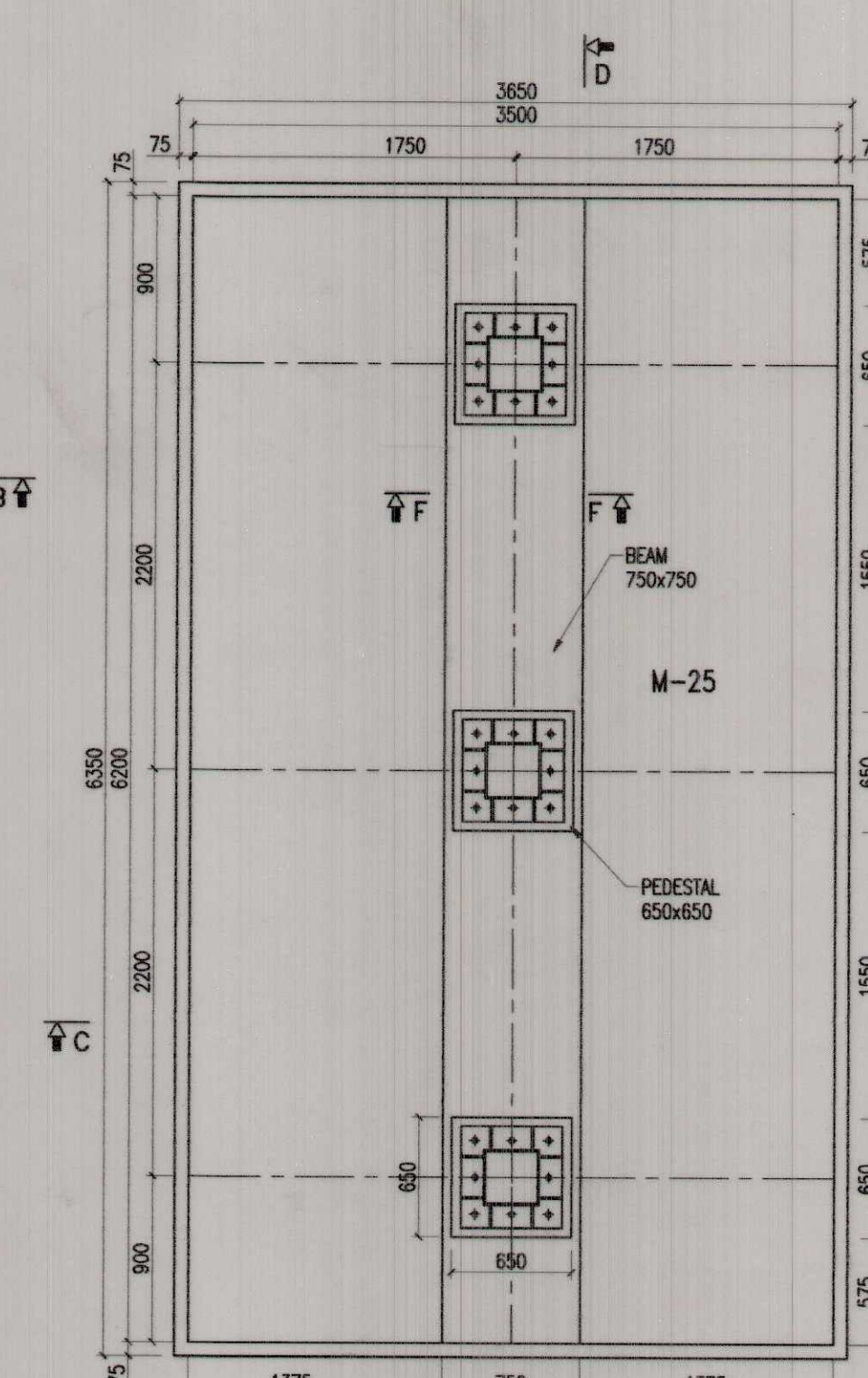
SECTION C1-C1
(BEAM REINFORCEMENT NOT SHOWN FOR CLARITY)



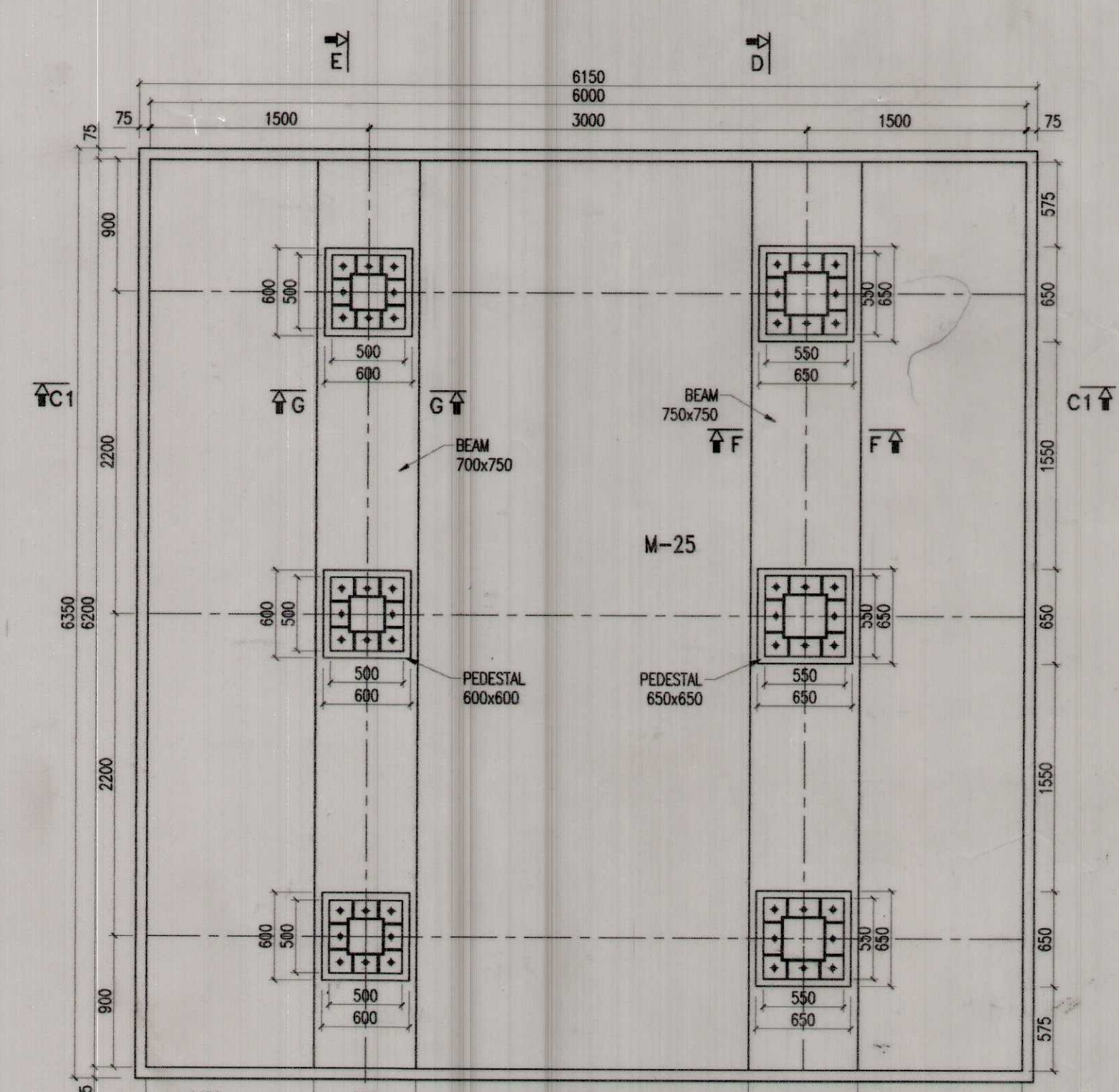
PLAN
DETAILS OF R2TF1



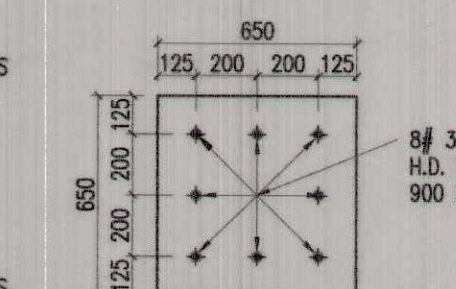
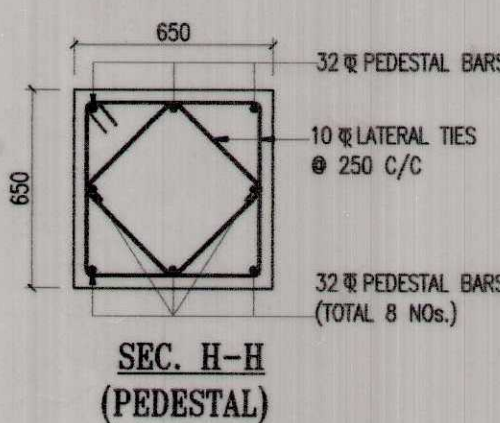
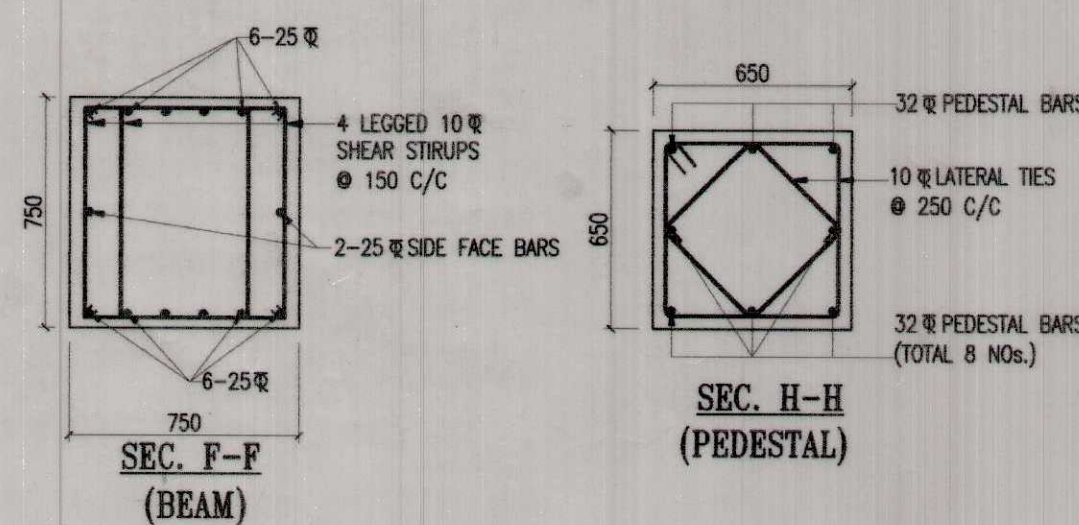
PLAN
DETAILS OF R2TF3



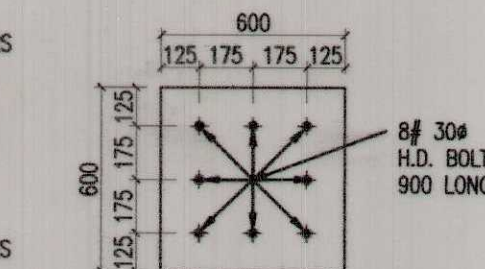
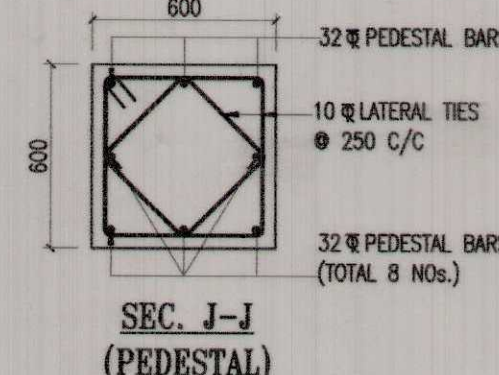
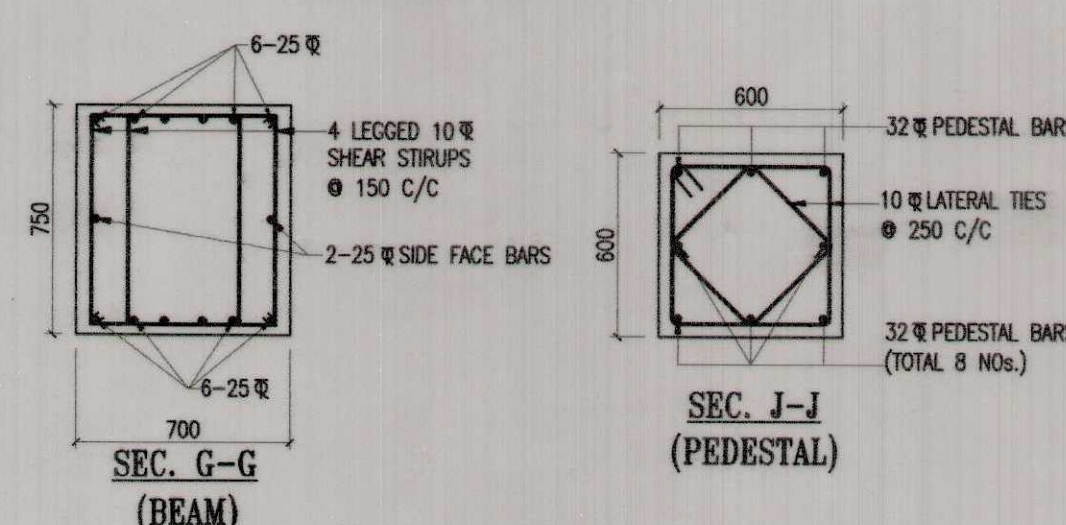
PLAN 
DETAILS OF R2F1



PLAN
DETAILS OF R2TF2



TYPICAL PEDESTAL SHOWING
LOCATION OF H.D. BOLTS

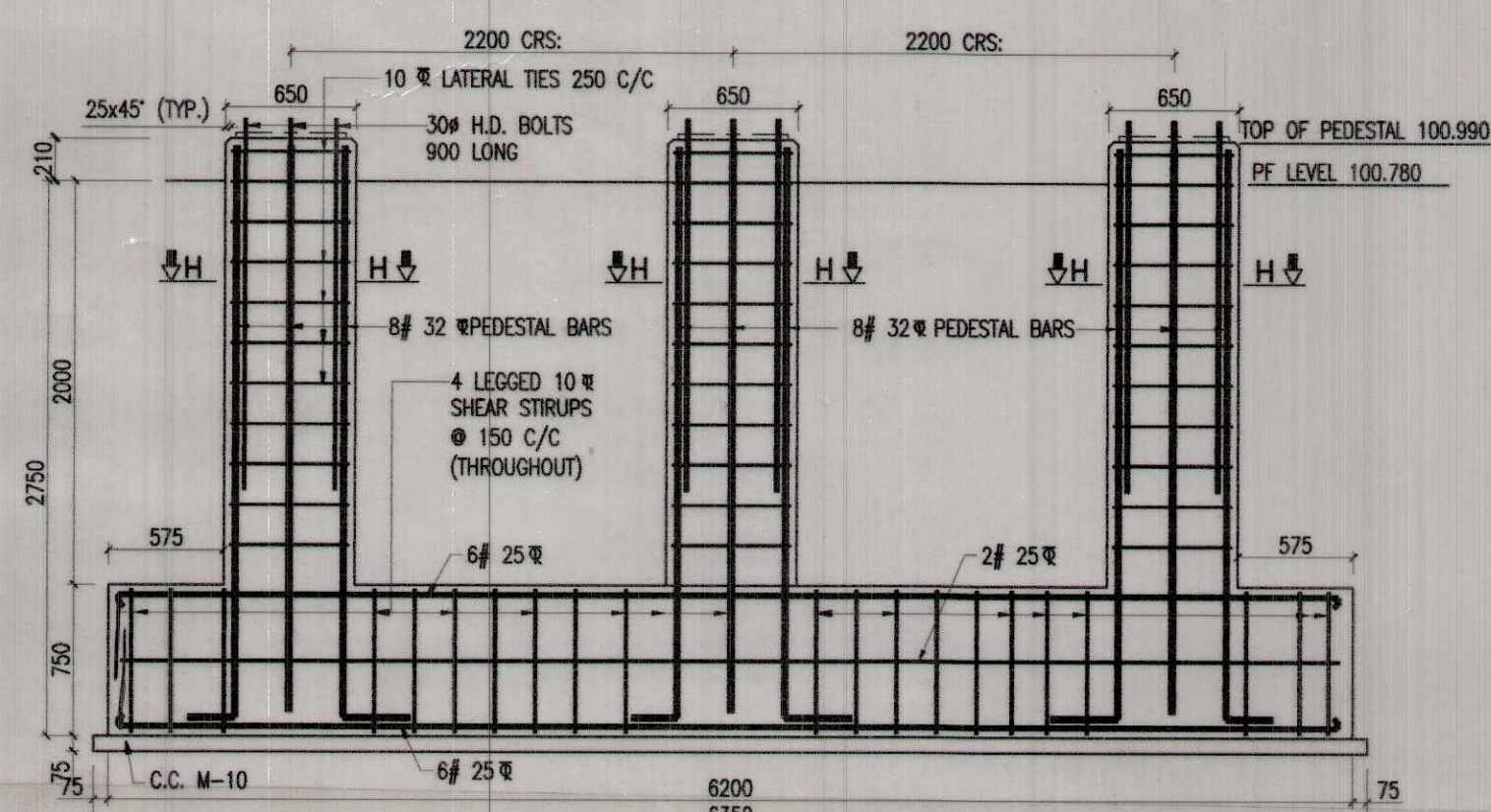


TYPICAL PEDESTAL SHOWING
LOCATION OF H.D. BOLTS

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
3. FOR OTHER NOTES REFER SHEET NO. 1.
4. READ THIS DRAWING IN CONJUNCTION WITH OTHER RELEVANT SHEETS.

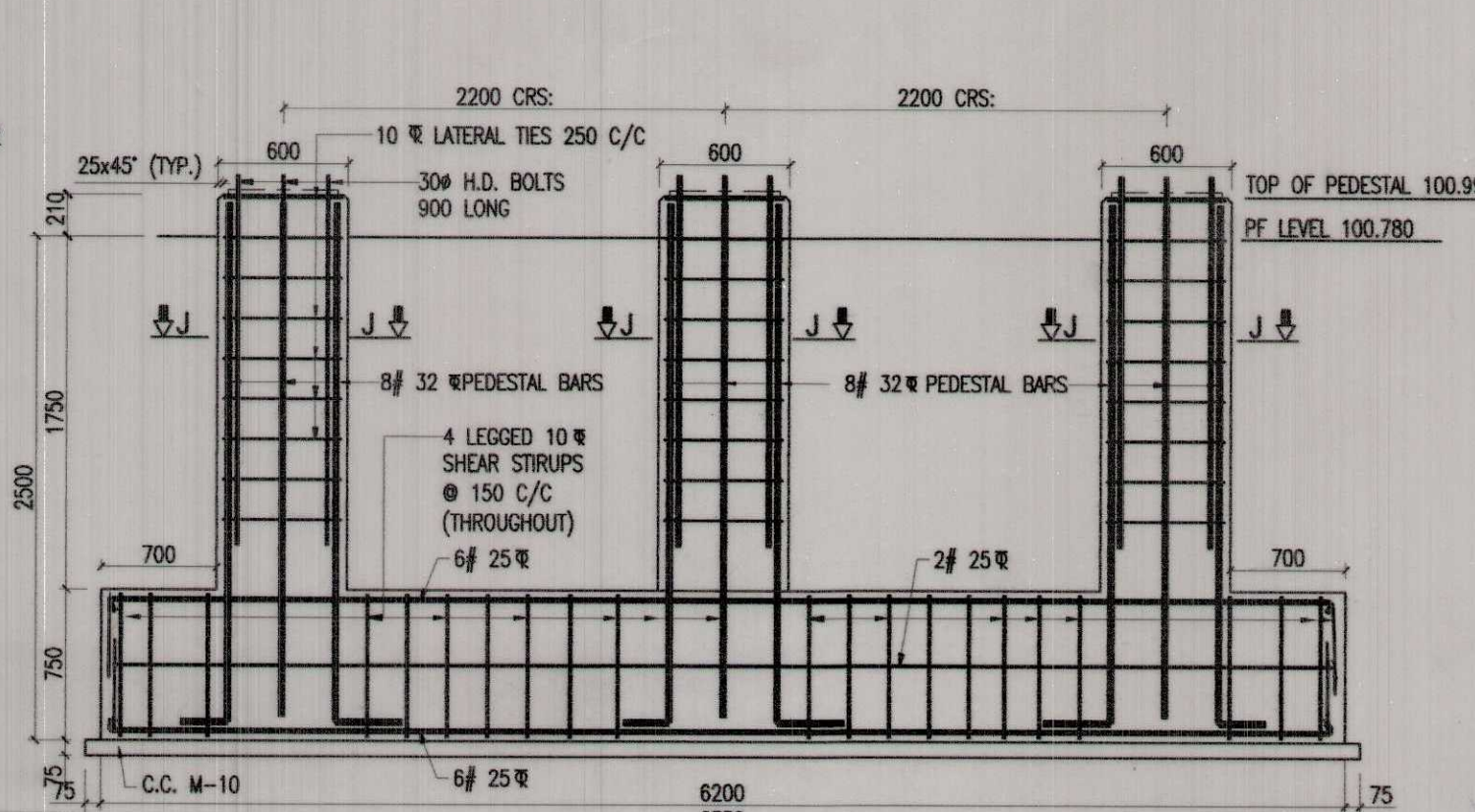
FOR	SEE
GENERAL ARRANGEMENT	NRHQ PLAN NO. FB-101/UMB
FOUNDATION LAYOUT PLAN	SHEET No-2
DETAIL OF TRESTLE FOUNDATION	SHEET No-3A, 3B
DETAIL OF STAIRCASE FOUNDATIONS	SHEET No-4
DETAIL OF RAMP FOUNDATIONS	SHEET No-5A, 5B



6350

SECTION D-D

(SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)



6350

SECTION E-E

(SLAB REINFORCEMENT NOT SHOWN FOR CLARITY)

	DATE	APPROVE


PROOF CHECKED BY

AGENCY

PANKAJ JINDAL CONTRACTOR

Vinod Jindal

AUTH. SIGNATORY


V.D. SHARMA
ME (Structures), FIE
REGISTERED ENGINEER

		<p>By <i>[Signature]</i> 17/11/11 CBE (B.B.S. TOMA)</p>
SR. DEN-IV/UMB		<p><i>[Signature]</i> DYCE/BD (S. K. GARG)</p>
ADEN/SIR		<p><i>[Signature]</i> AXEN/BD</p>
SSE/W/PPAR		<p>SSE/DESIGN</p>
		<p><i>[Signature]</i> SSE/ORG.</p>
DIVISIONAL OFFICERS		HO. OFFICERS

AMBALA DIVISION

PROPOSED 12.0 M WIDE FOOT OVER BRIDGE
AT RUP NAGAR RAILWAY STATION
UNDER AMRIT BHARAT STATION SCHEME

DETAIL OF FOUNDATIONS
R2TF1, R2TF2, R2TF3 & R2F

DIVL. PLAN NO. FOB-182/RPAR-2023/UMB

NRHQE PLAN No. **ER-101/1048**

SCALE:-1:35

(SHEET No-5th)