OFFICE OF THE ENGINEER-IN-CHIEF
P.W.D. NIRMAN BHAVAN, NORTH BLOCK, SECTOR-19
NAWA RAIPUR, ATAL NAGAR (CHHATTISGARH)

AMMENDMENT NO. 11

No. 65010/ 508 /SOR/ Nawa Raipur, Dated 07/06/2023

The following ammendment are hereby issued in the item mentioned below in S.O.R. for Road Works (in effect from 01.01.2015)

CHAPTER - 8 TRAFFIC SINGS, MARKINGS & OTHER ROAD APPURTENANCES

1) Item No. 8.49 & 8.50 are added as given below.

8.49	**Overhead Sign Board for Ram Van Gaman Marg** Providing and erecting Overhead Sign Board on two faces as per detailed architectural drawings and structural drawings with 2 mm thick corrosion-resistant aluminum alloy sheet reflectorized sign board with high-intensity retro-reflective sheeting of Class-C Micro Prismatic Grade Sheeting of Type IX, with writing and direction marking, Digital printing of images wherever required with back frame of the sign board of ISA 40x40x5mm, including providing and fixing of Aluminium Composite Material ornamental jali pasted with high-intensity retro-reflective sheeting of Class-C Micro Prismatic Grade Sheeting of Type IX/Cast Iron Jali machine finished and painted with premium quality synthetic enamel paint, including the cost of sign boards and their back frames installed as per clause 802.6 over a designed support system of aluminum alloy or galvanized steel trestles and trusses of sections and type as per structural drawing requirements with all structural components as shown in drawings, all connections nuts and bolts, gusset plates, extra supports and members in case of fabrication in parts and assembling at work site, welding/rivetting the joints as per requirements and meeting with all architectural requirements, including making all arrangements for the stability of the structure. as directed by Engineer-in-Charge, including cost of foundation, as per minimum dimensions as shown in foundation drawing enclosed **(Drawings are Annexed)**		
A	For 16.15M Span Sign Board As per Drawing No. 1A, 1B and 1C		
(i)	Using Aluminum Composite Material Ornamental Jali	Each	1372009.00
(ii)	Using Cast Iron Ornamental Jali	Each	1273885.00
B	For 14.40M Span Sign Board As per Drawing No. 2A, 2B and 2C		
(i)	Using Aluminum Composite Material Ornamental Jali	Each	1052103.00
(ii)	Using Cast Iron Ornamental Jali	Each	981863.00

C	For Cantilever Sign Board As per Drawing No. 3A, 3B and 3C		
(i)	Using Aluminum Composite Material Ornamental Jali	Each	400977.00
(ii)	Using Cast Iron Ornamental Jali	Each	384735.00
8.50	Providing and fixing Direction Marking Signage with aluminium alloy/galvanized steel post of 5mm thickness and diameter 250 mm, 200 mm and 150 mm, as shown in the enclosed drawing No. 5(A) with two numbers place identification boards and one number direction marking arrow with refractive micro prismatic sheeting Type C, Cass XI pasted over aluminum alloy plate including lettering, figuring and direction marking fixed on both the faces with 25mm dia GI pipe frame, including making arrangements for fixing the signages and arrow to the post with fixing logo as per design, made of 4mm thick cast iron/3mm thick laser cut MS sheet fixed at the top and painting with premium quality synthetic enamel paint including cost of foundation as shown in enclosed drawing 5(B) with all arrangements for stability of the complete signage, as directed by Engineer-in-Charge. **(Drawings are Annexed)**	Each	31162.00

This ammendment shall be applicable with immediate effect.

7/6/23

Engineer-in-chief
Public Works Department
Nawa Raipur, Atal Nagar (C.G.)

No. 65010/ 508 /SOR/ Nawa Raipur, Dated 07/06/2023

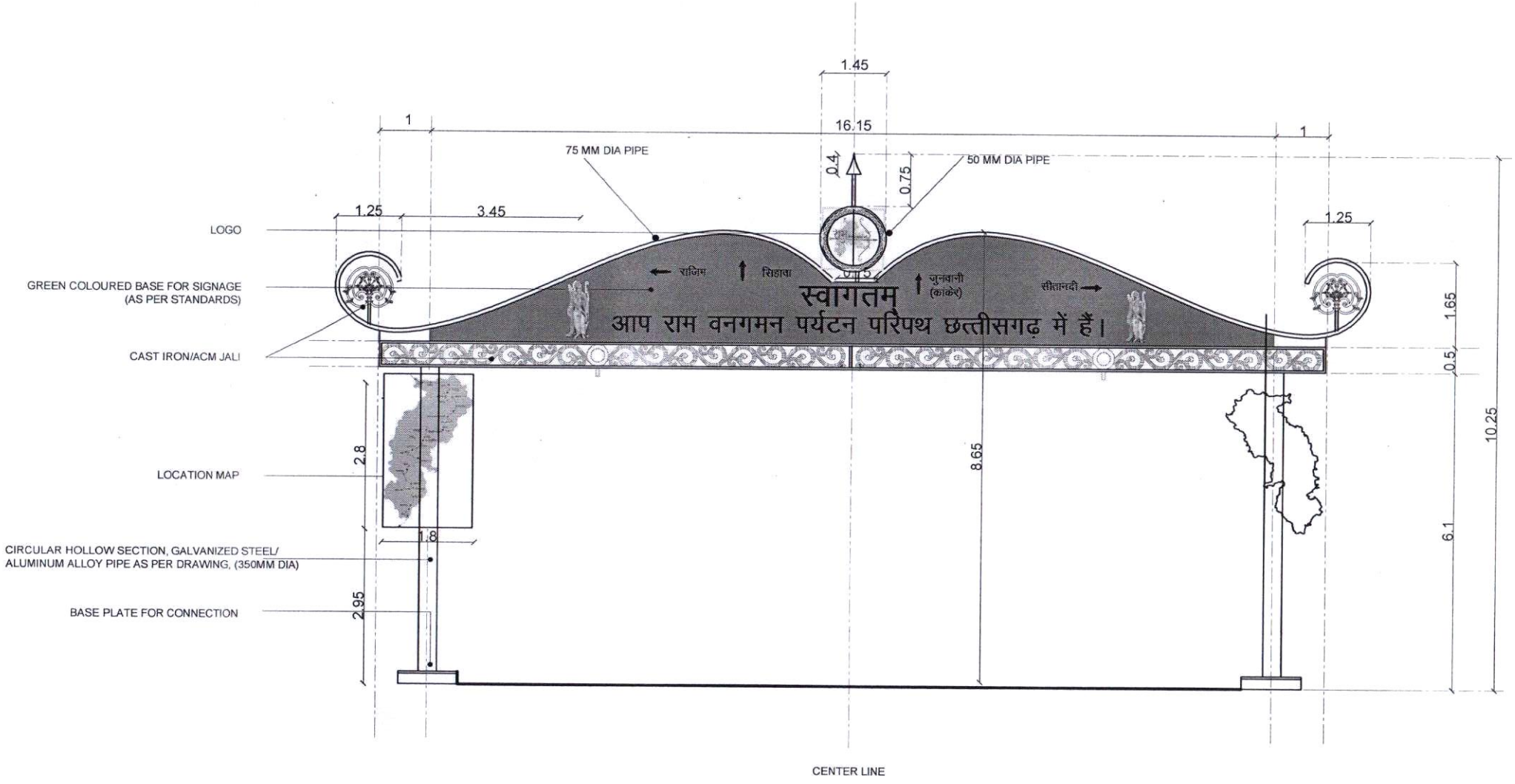
Copy to the

1. P.A. to honorable Minister of P.W.D.C.G. Govt. Raipur.
2. Secretary, C.G. Govt. P.W.D. Nawa Raipur.
3. Secretary, Finance Department C.G. Govt. Nawa Raipur.
4. All Chief Engineers. P.W.D. Chhattisgarh.
5. All Superintending Engineer, P.W.D. Chhattisgarh.
6. Chief Technical Examiner (V) C.G. Nawa Raipur.
7. Accountant General, C.G. Raipur.
8. All Collectors, Chhattisgarh.
9. All Executive Engineer, P.W.D. Chhattisgarh.
10. Website Public Works Department http://www.cg.nic.in/pwdraipur.

7/6/23

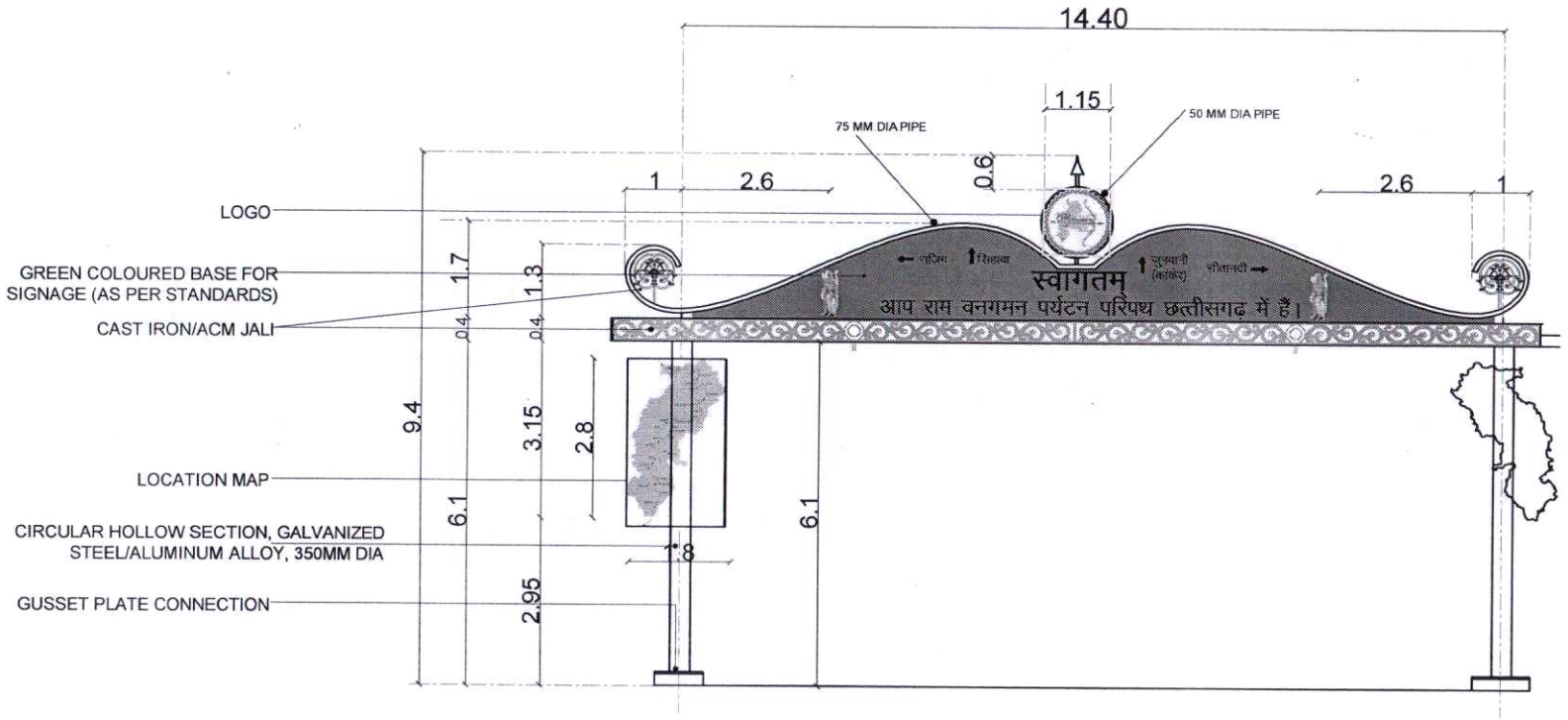
Engineer-in-chief
Public Works Department
Nawa Raipur, Atal Nagar (C.G.)

SIGNAGE DESIGN FOR 16.15 M SPAN



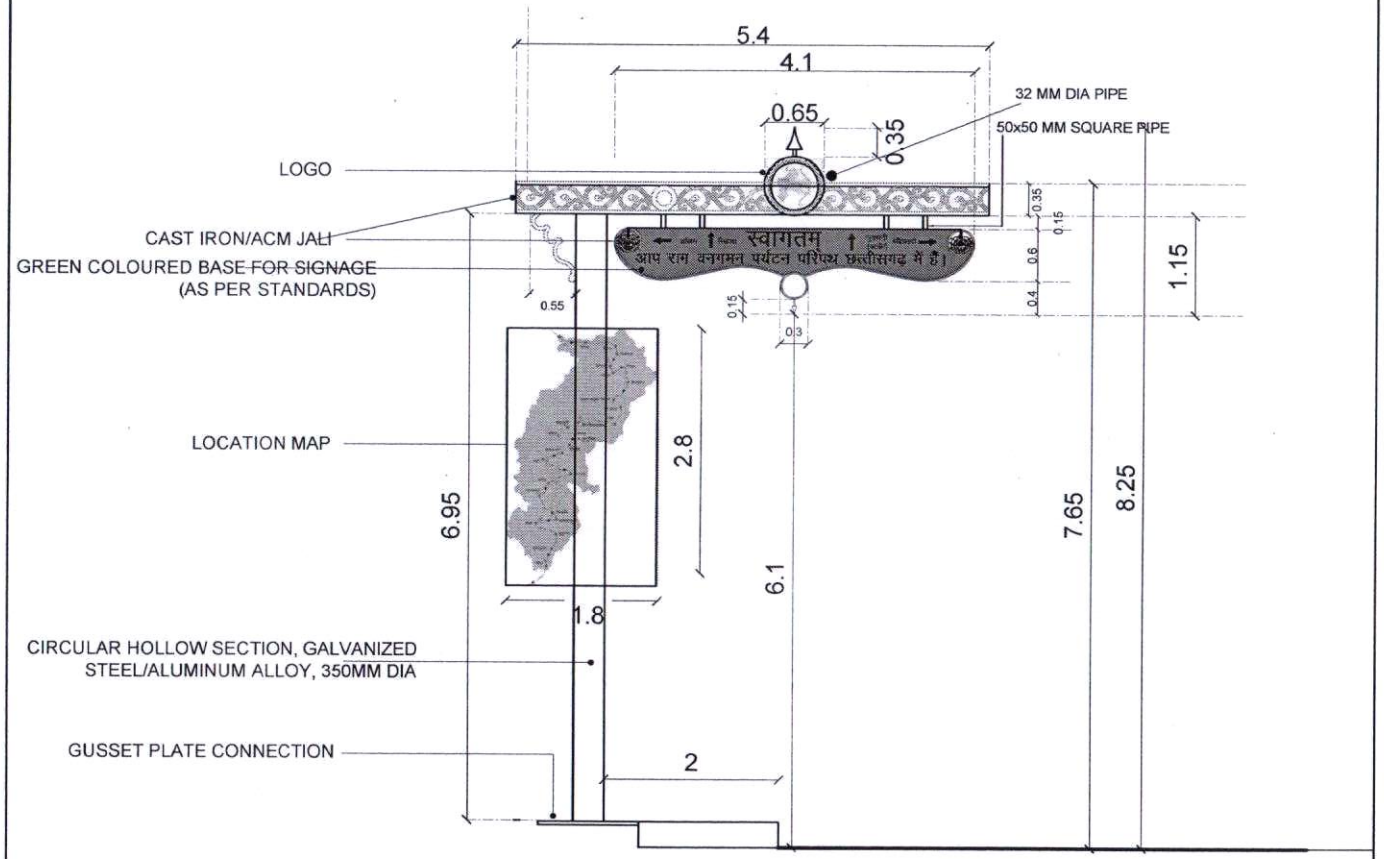
RAM VAN GAMAN WELCOME BOARD : TYPE -1
DRAWING NO. 1A

SIGNAGE DESIGN FOR 14.40 M SPAN



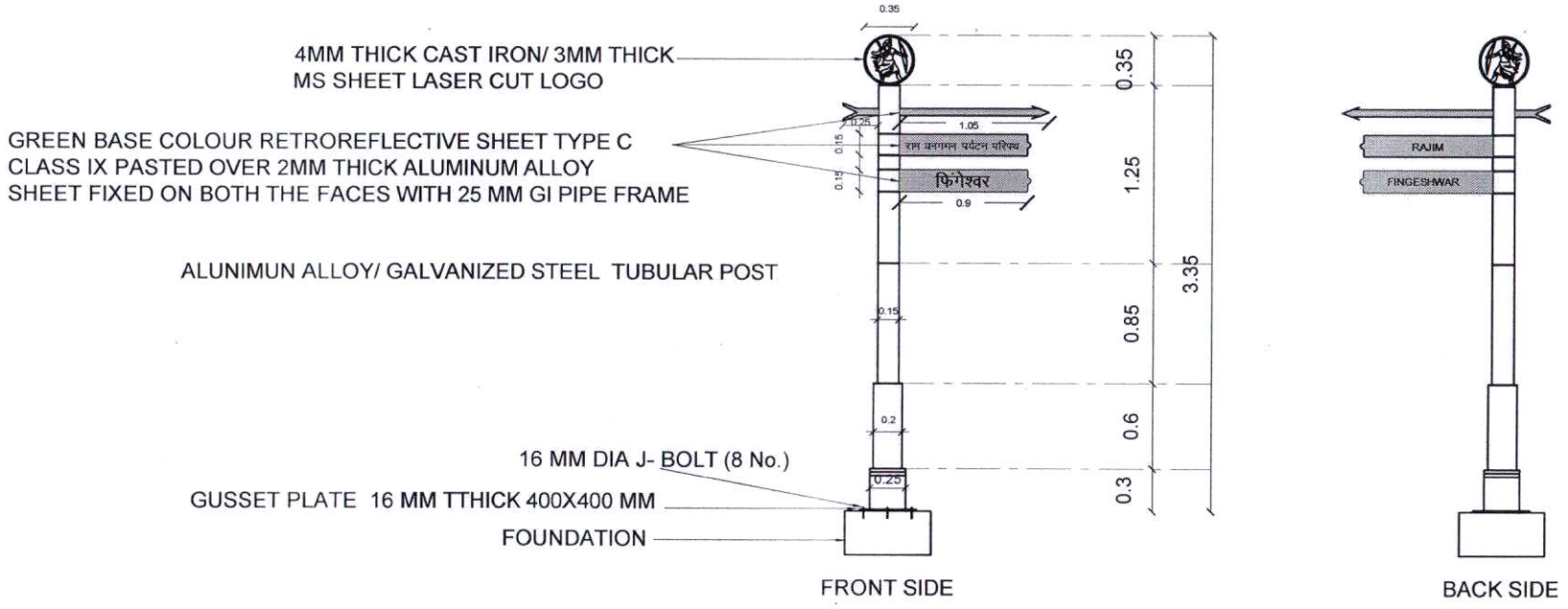
RAM VAN GAMAN WELCOME BOARD : TYPE -2
DRAWING NO. 2A

PROPOSED CANTILIVER SIGNAGE DESIGN

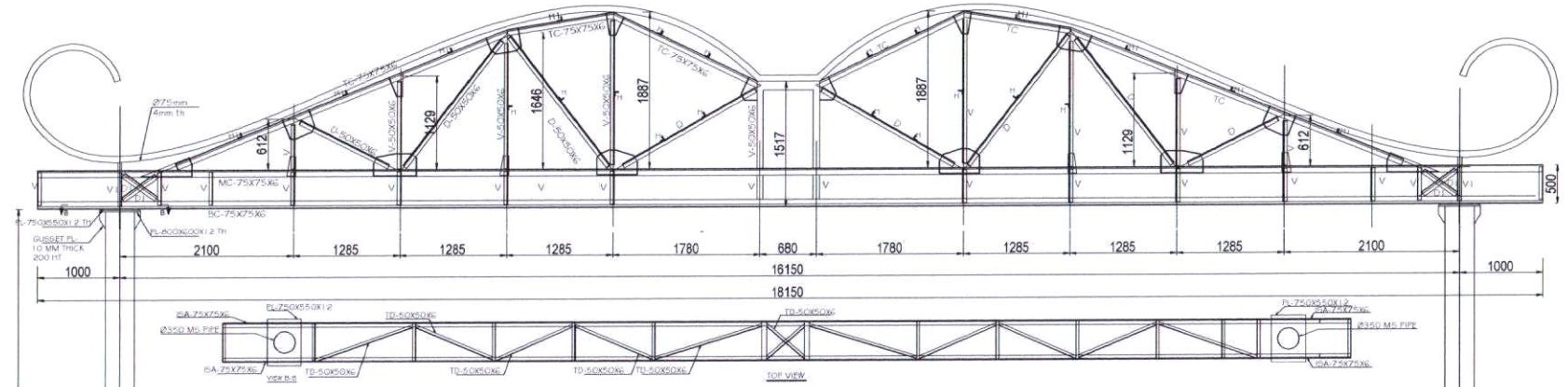


RAM VAN GAMAN WELCOME BOARD : TYPE -3
DRAWING NO. 3A

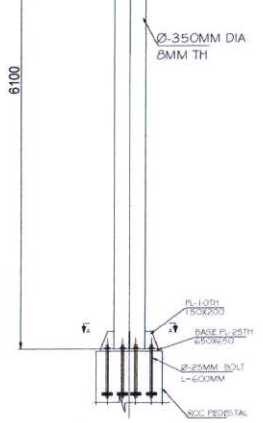
PROPOSED DIRECTION MARKING BOARD

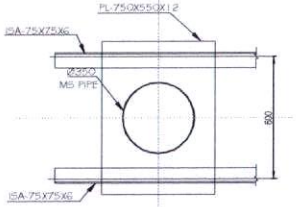


RAM VAN GAMAN DIRECTION BOARD : TYPE -5
DRAWING NO. 5A

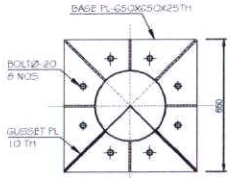


STRUCTURAL DETAILS SIGN BOARD FOR 16.15 M SPAN C/C

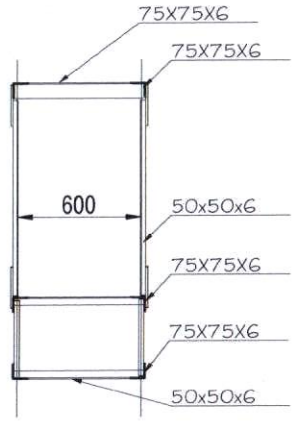




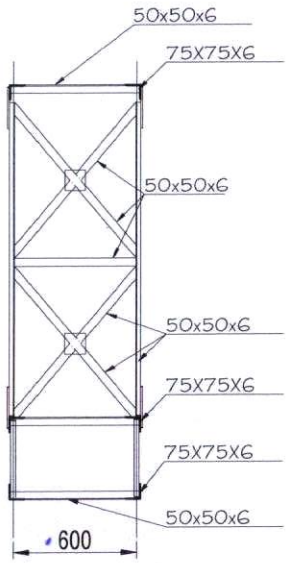
VIEW B-B



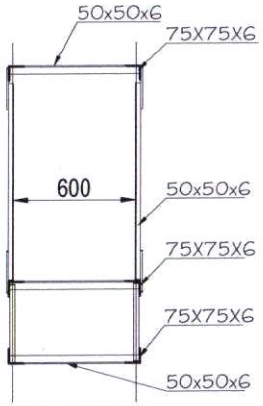
VIEW A-A



TYP SECTION for X



TYP SECTION for Z



TYP SECTION
FOR ALL SECTIONS
OTHER THAN X AND Z

NOTES :-

1. ALL DIMENSION ARE IN MM. & LEVELS ARE IN M. U.N.O.
2. ALL MATERIALS SHALL BE CLEAN RUST FREE STRAIGHTENED IF NECESSARY BEFORE BEING WORK.
3. FILLET WELD TERMINATING AT ENDS MUST HAVE RETURN AROUND CORNERS NOT LESS THAN TWICE THE NORMAL SIZE OF THE WELD.
4. WELDING ELECTRODES SHALL CONFORM TO IS:814.
5. ALL MILD STEEL NUTS & BOLTS SHALL DIMENSIONALLY CONFORM TO THE RELEVANT PARTS OF IS:1367. MATERIALS GRADE SHALL CONFORM TO PROPERTY CLASS 4.6 U.N.O.
6. WELDING SYMBOL SHALL CONFORM TO IS:813.
7. ALL INCLINED MEMBER & GUSSET PLATES ARE TO BE CUT AFTER FULL SCALE SHOP LAYOUT BEFORE FABRICATION.
8. ALL ERECTION HOLE ARE Ø18 FOR M16 BOLTS U.M.O.
9. FOUNDATION BOLTS HOLE ARE Ø 22 FOR M20 BOLTS U.M.O.
10. ALL WELDS ARE 6 THICK FILET U.M.O.

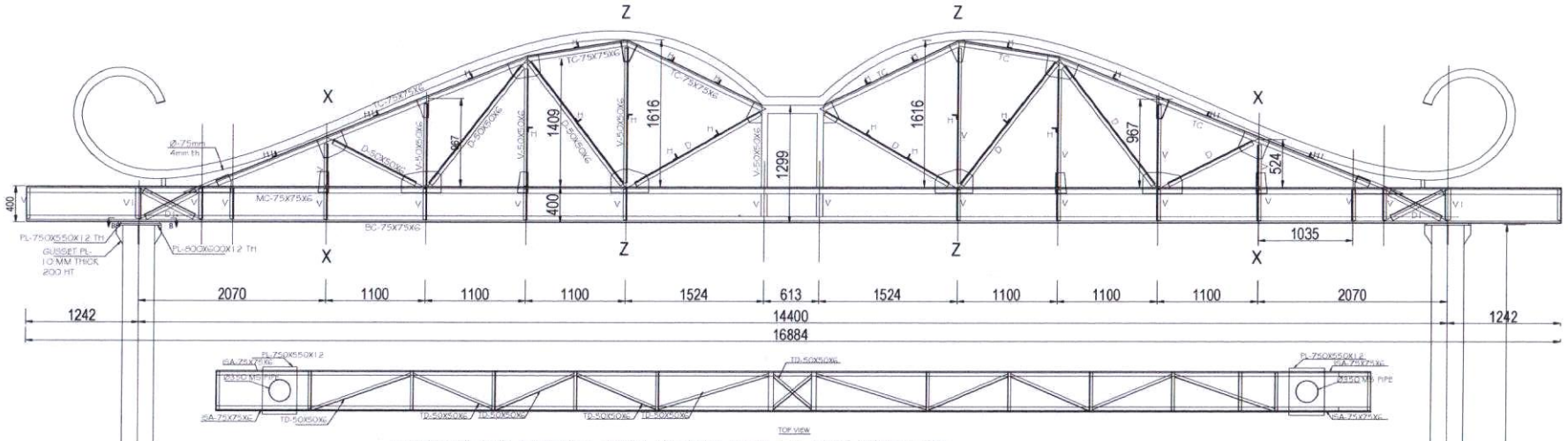
DETAIL OF TRUSS		
V	⌐	ISA-50X50X6
TC	⌐	ISA-75X75X6
BC	⌐	ISA-75X75X6
MC	⌐	ISA-75X75X6
D	⌐	ISA-50X50X6
D1	⌐	ISA-75X75X6
V1	⌐	ISA-75X75X6
H	⌐	ISA-50X50X6
H1	⌐	ISA-75X75X6

ALL GUSSETS 6 MM THK UNLESS SPECIFIED

STRUCTURAL DETAILS OF OVER HEAD ROAD SIGNAGE FOR RAM VAN GAMAN PARYATAN PARIPATH

SPAN = 16.15M
(SAFE UP TO 18.00 M)
(LENGTH OF THE STRUCTURAL MEMBERS OF TRUSS TO BE INCREASED PROPORSIONATELY)

DRG. NO. :- IB

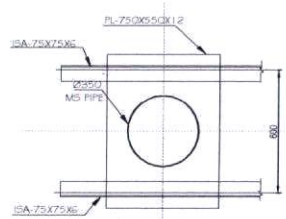


STRUCTURAL DETAILS SIGN BOARD FOR 14.40M SPAN C/C

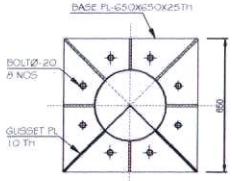
Ø-350MM DIA
8MM TH

DETAIL OF TRUSS		
V	⌐	ISA-50X50X6
TC	⌐	ISA-75X75X6
BC	⌐	ISA-75X75X6
MC	⌐	ISA-75X75X6
D	⌐	ISA-50X50X6
D1	⌐	ISA-75X75X6
V1	⌐	ISA-75X75X6
H	⌐	ISA-50X50X6
H1	⌐	ISA-75X75X6
TD	⌐	ISA-50X50X6

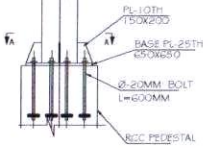
ALL GUSSETS 6 MM THK
UNLESS SPECIFIED

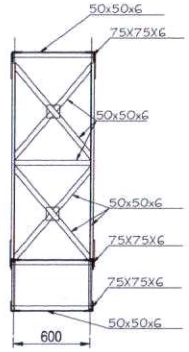


VIEW B-B

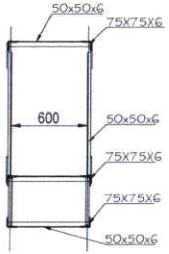


VIEW A-A

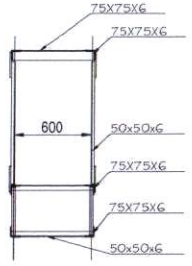




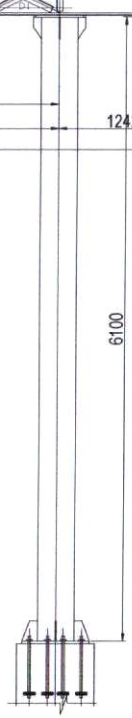
TYP SECTION for Z



TYP SECTION
FOR ALL SECTIONS
OTHER THAN X AND Z



TYP SECTION for X



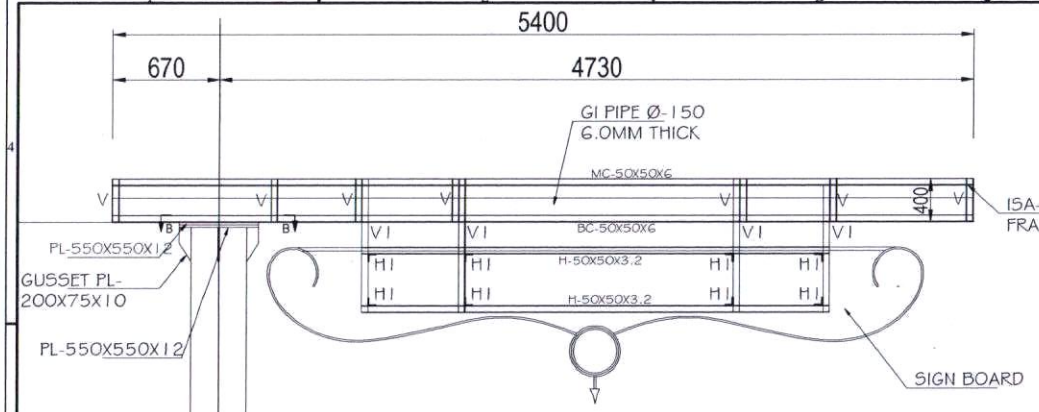
NOTES :-

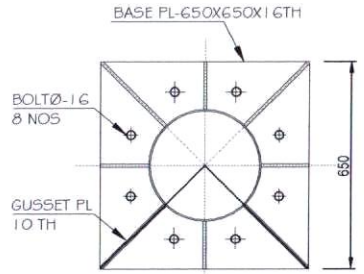
1. ALL DIMENSION ARE IN MM. & LEVELS ARE IN M. U.N.O.
2. ALL MATERIALS SHALL BE CLEAN RUST FREE STRAIGHTENED IF NECESSARY BEFORE BEING WORK.
3. FILLET WELD TERMINATING AT ENDS MUST HAVE RETURN AROUND CORNERS NOT LESS THAN TWICE THE NORMAL SIZE OF THE WELD.
4. WELDING ELECTRODES SHALL CONFORM TO IS:814.
5. ALL MILD STEEL NUTS & BOLTS SHALL DIMENSIONALLY CONFORM TO THE RELEVANT PARTS OF IS:1367. MATERIALS GRADE SHALL CONFORM TO PROPERTY CLASS 4.6 U.N.O.
6. WELDING SYMBOL SHALL CONFORM TO IS:813.
7. ALL INCLINED MEMBER & GUSSET PLATES ARE TO BE CUT AFTER FULL SCALE SHOP LAYOUT BEFORE FABRICATION.
8. ALL ERECTION HOLE ARE Ø18 FOR M16 BOLTS U.M.O.
9. FOUNDATION BOLTS HOLE ARE Ø 22 FOR M20 BOLTS U.M.O.
10. ALL WELDS ARE 6 THICK FILET U.M.O.

STRUCTURAL DETAILS OF OVER HEAD ROAD SIGNAGE FOR RAM VAN GAMAN PARYATAN PARIPATH

SPAN = 14.40M
(SAFE UP TO 16.00 M)
(LENGTH OF THE STRUCTURAL MEMBERS OF TRUSS TO BE INCREASED PROPORSIONATELY.)

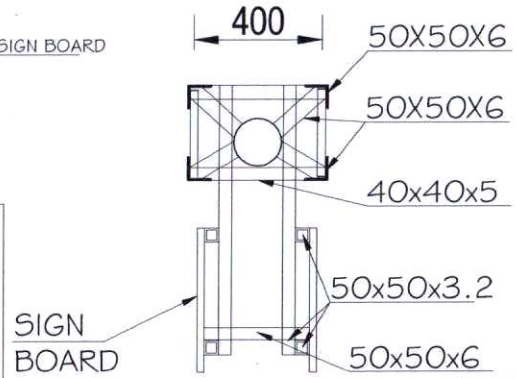
DRG. NO. :- 2B



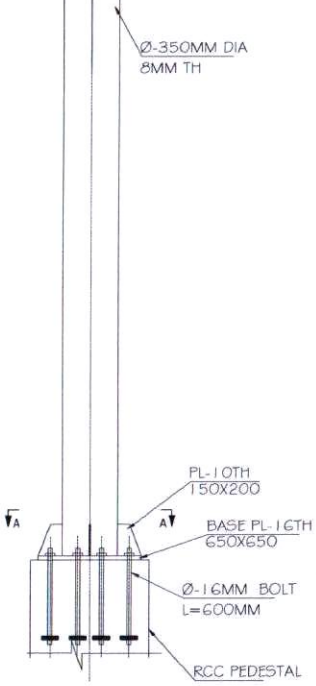


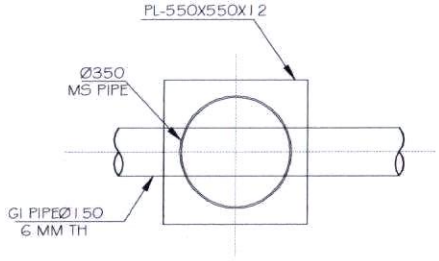
VIEW A-A

DETAIL OF TRUSS		
V	⌐	ISA-40X40X5
TC	⌐	ISA-50X50X6
BC	⌐	ISA-50X50X6
V1	□	HSS-50X50X3.2
H	□	HSS-50X50X3.2
H1	⌐	ISA-50X50X6



TYP
SECTION





VIEW B-B

NOTES :-

1. ALL DIMENSION ARE IN MM. & LEVELS ARE IN M. U.N.O.
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6. WELDING SYMBOL SHALL CONFORM TO IS:813.
7. ALL INCLINED MEMBER & GUSSET PLATES ARE TO BE CUT AFTER FULL SCALE SHOP LAYOUT BEFORE FABRICATION.
8. ALL ERECTION HOLE ARE Ø18 FOR M16 BOLTS U.M.O.
9. FOUNDATION BOLTS HOLE ARE Ø 22 FOR M20 BOLTS U.M.O.
10. ALL WELDS ARE 6 THICK FILET U.M.O.

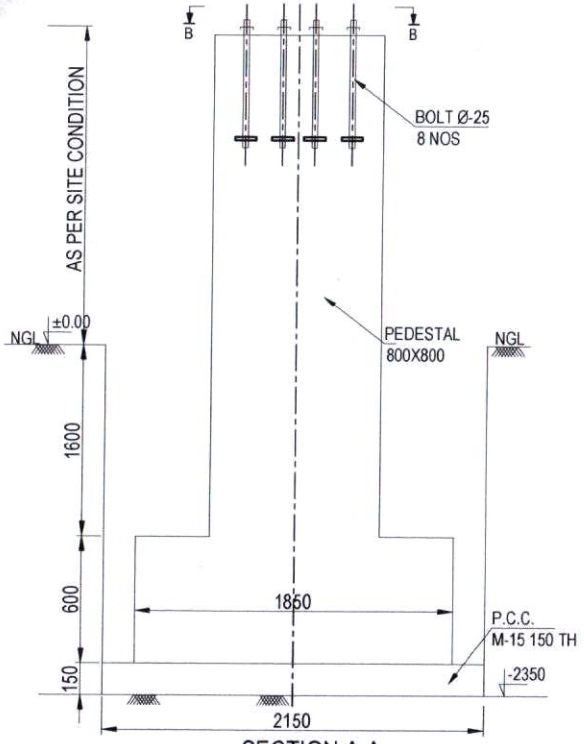
STRUCTURAL DETAILS OF OVER HEAD ROAD SIGNAGE FOR RAM VAN GAMAN PARYATAN PARIPATH

CANTILEVER SPAN 5.40M

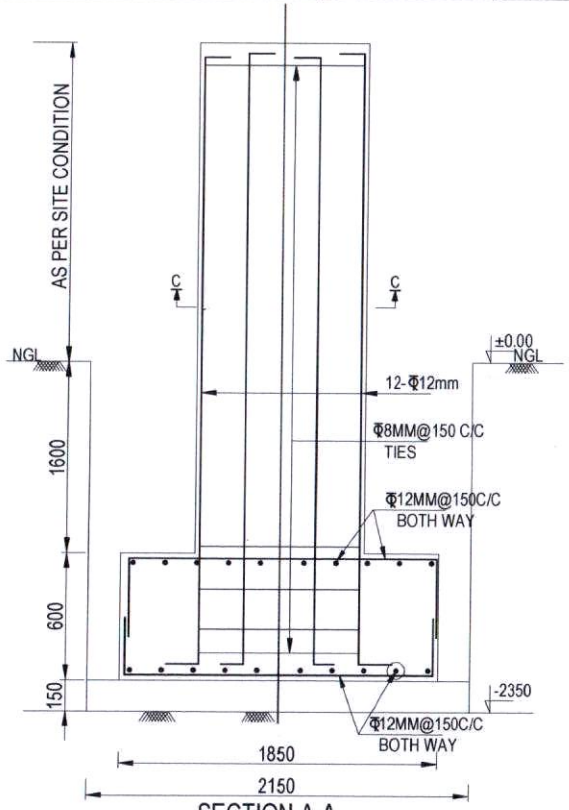
(SAFE UP TO 6.50 M)

(LENGTH OF THE STRUCTURAL MEMBERS OF TRUSS TO BE INCREASED PROPORSIONATELY)

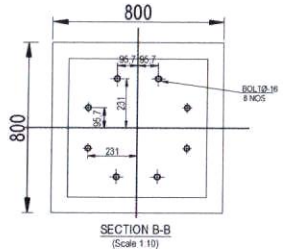
DRG. NO. :- 3B



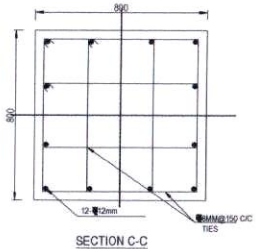
SECTION A-A
(SHUTTERING DETAILS)(Scale 1:50)



SECTION A-A
(REINFORCEMENT DETAILS)(Scale 1:10)



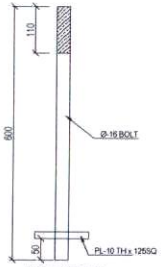
SECTION B-B
(Scale 1:10)



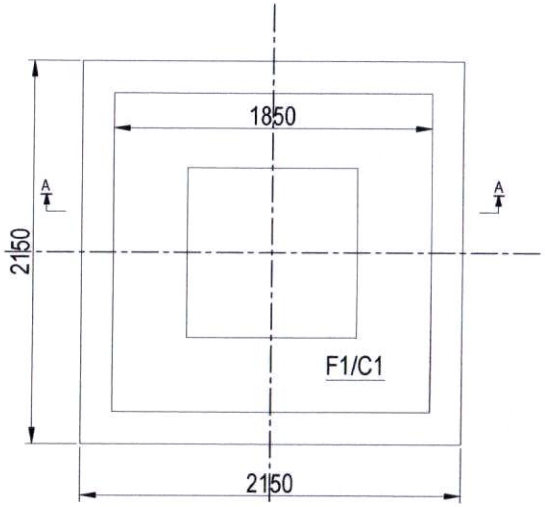
SECTION C-C
(Scale 1:10)

NOTES :-

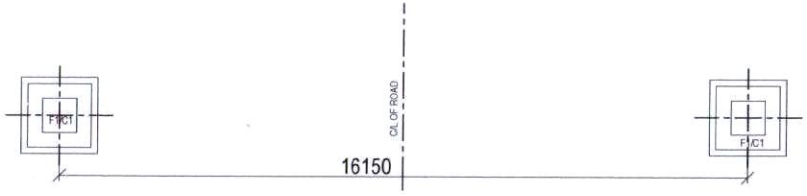
1. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METER UNLESS OTHERWISE NOTED.
2. COVER TO THE REINFORCEMENT SHALL BE AS UNDER
   a. CONCRETE FACES EXPOSED TO EARTH - 50MM
   b. COLUMN-40MM c. BEAMS & LINTELS - 25MM ON ALL SIDES
3. REIFORCEMENT BARS SHALL BE OF HIGH STRENGTH DEFORMED STEEL CONFORMING TO IS: 1786-2008 Fy = 415 N/SQMM.
4. DEVELOPMENT LENGTH , ANCHORAGE LENGTH, HOOKS, & BENDS SHALL BE AS PER IS: 456-2000.
5. LAP LENGTH SHALL BE 50 TIMES THE DIA OF BAR.
6. **GRADE OF CONCRETE SHALL BE M-20 FOR R.C.C. WORK AS CONFORMING TO IS: 456-2000.**
7. WORK SHALL BE CARRIED OUT AS PER THE NORMS CONFORMING TO IS: 456-2000.
8. EXISTING NEAR BY FOUNDATIONS SHALL BE SUITABLY PROTECTED.
9. EXISTING UNDER GROUND SERVICES SHALL BE SUITABLY PROTECTED.
10. BEARING CAPACITY OF SOIL AT 2.0M DEPTH IS CONSIDERED AS 15.0 T/SQM. IF THE ALLOWABLE BEARING CAPACITY OF THE SOIL IS NOT MET AT THE DEPTH SHOWN IN DRAWING, EXCAVATION SHALL BE CARRIED OUT TO SUCH DEPTH WHERE THE ASSUMED VALUE IS AVAILABLE. THE EXTRA DEPTH SHALL BE FILLED WITH P.C.C. M-15.
11. NGL LEVEL SHALL BE CONSIDERED AS ±00.
12. REINFORCEMENT DETAILING SHALL BE AS PER SP-34



BOLT DETAILS
(Scale 1:5)



PLAN OF FOOTING F1/C1
(Scale 1:50)



LAYOUT PLAN

PWD DURG

DESIGN FOR OVER HEAD SIGN BOARD 16.15 M SPAN OF RAM VAN GAMAN MARG

	SIGN	DATE
DRAWN	SK.A	
CHECKED		
APPROVED		

TITLE: FOUNDATION DETAILS

SCALE: 1:100
ISSUED FOR
APPROVAL ✓
CONSTRUCTION
SHEET No. OF

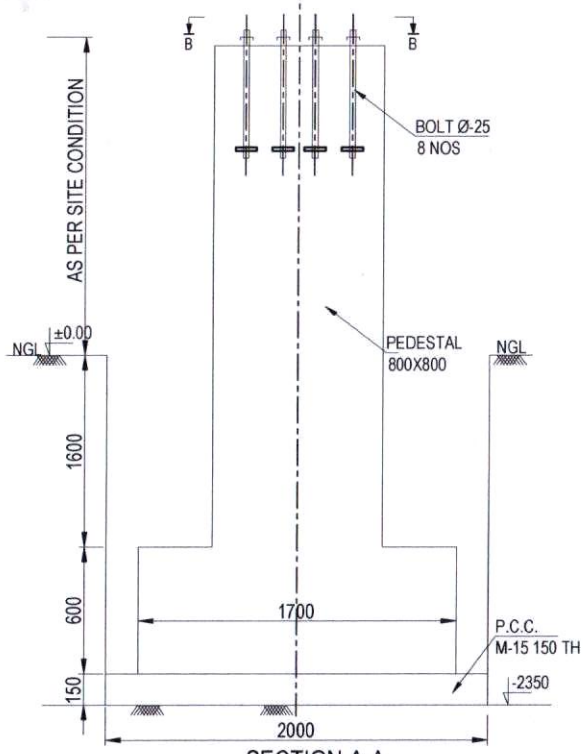
REV.NO.	DESCRIPTION	DATE	BY	APPROVED
	REVISION			

SUB ENGINEER
P.W.D. DURG

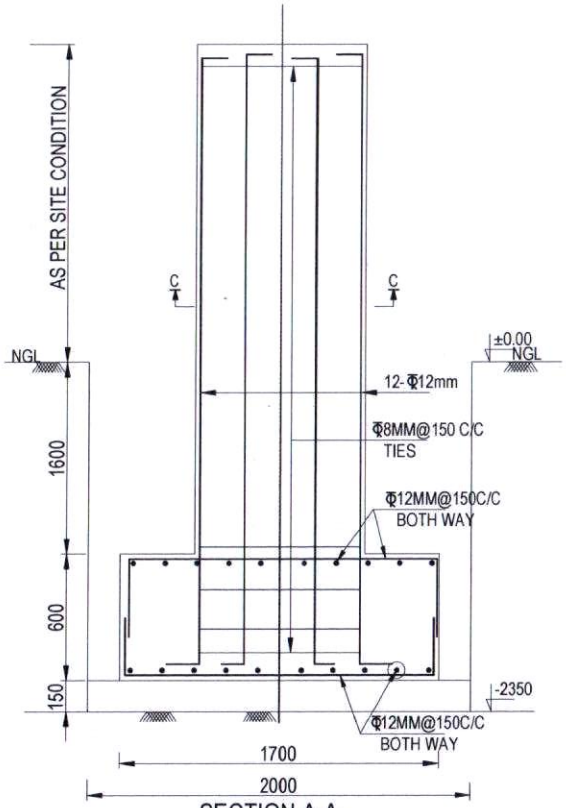
S.D.O.
P.W.D. DURG

EXECUTIVE ENGINEER
P.W.D. DURG

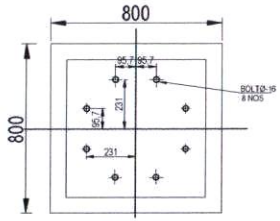
DRG. NO. :- IC



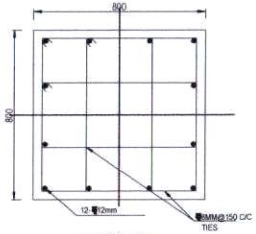
SECTION A-A
(SHUTTERING DETAILS)(Scale 1:50)



SECTION A-A
(REINFORCEMENT DETAILS)(Scale 1:10)



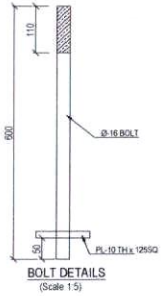
SECTION B-B
(Scale 1:10)



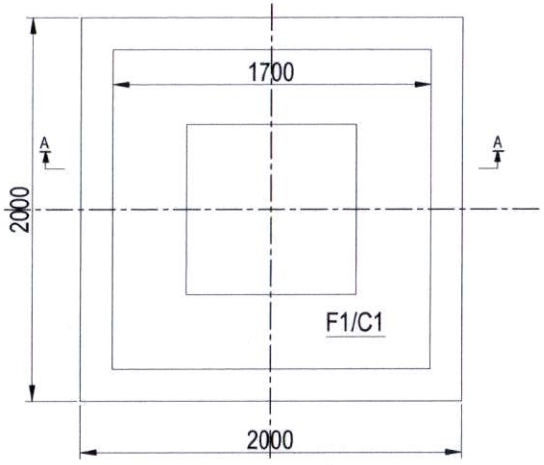
SECTION C-C
(Scale 1:10)

NOTES :-

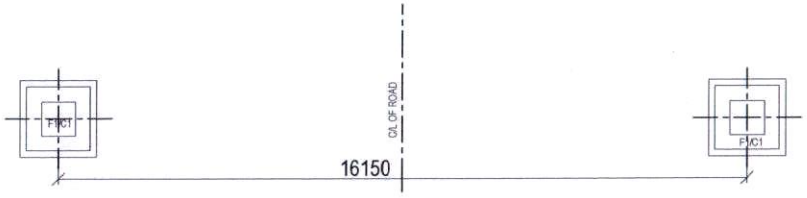
1. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METER UNLESS OTHERWISE NOTED.
2. COVER TO THE REINFORCEMENT SHALL BE AS UNDER
   a. CONCRETE FACES EXPOSED TO EARTH - 50MM
   b. COLUMN-40MM c. BEAMS & LINTELS - 25MM ON ALL SIDES
3. REIFORCEMENT BARS SHALL BE OF HIGH STRENGTH DEFORMED STEEL CONFORMING TO IS: 1786-2008 Fy = 415 N/SQMM.
4. DEVELOPMENT LENGTH , ANCHORAGE LENGTH, HOOKS, & BENDS SHALL BE AS PER IS: 456-2000.
5. LAP LENGTH SHALL BE 50 TIMES THE DIA OF BAR.
6. **GRADE OF CONCRETE SHALL BE M-20 FOR R.C.C. WORK AS CONFORMING TO IS: 456-2000.**
7. WORK SHALL BE CARRIED OUT AS PER THE NORMS CONFORMING TO IS: 456-2000.
8. EXISTING NEAR BY FOUNDATIONS SHALL BE SUITABLY PROTECTED.
9. EXISTING UNDER GROUND SERVICES SHALL BE SUITABLY PROTECTED.
10. BEARING CAPACITY OF SOIL AT 2.0M DEPTH IS CONSIDERED AS 15.0 T/SQM. IF THE ALLOWABLE BEARING CAPACITY OF THE SOIL IS NOT MET AT THE DEPTH SHOWN IN DRAWING, EXCAVATION SHALL BE CARRIED OUT TO SUCH DEPTH WHERE THE ASSUMED VALUE IS AVAILABLE. THE EXTRA DEPTH SHALL BE FILLED WITH P.C.C. M-15.
11. NGL LEVEL SHALL BE CONSIDERED AS ±00.
12. REINFORCEMENT DETAILING SHALL BE AS PER SP-34



BOLT DETAILS
(Scale 1:5)



PLAN OF FOOTING F1/C1
(Scale 1:50)



LAYOUT PLAN

PWD DURG

DESIGN FOR OVER HEAD SIGN BOARD 14 M SPAN OF RAM VAN GAMAN MARG

	SIGN	DATE
DRAWN	SK A	
CHECKED		
APPROVED		

TITLE: FOUNDATION DETAILS

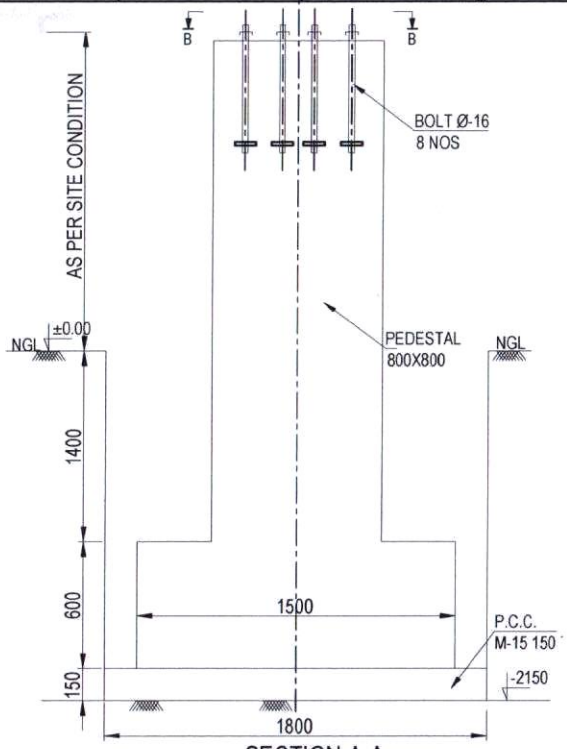
SCALE: 1:100
ISSUED FOR
APPROVAL
CONSTRUCTION
SHEET NO. OF

REV.NO.	DESCRIPTION	DATE	BY	APPROVED
1				

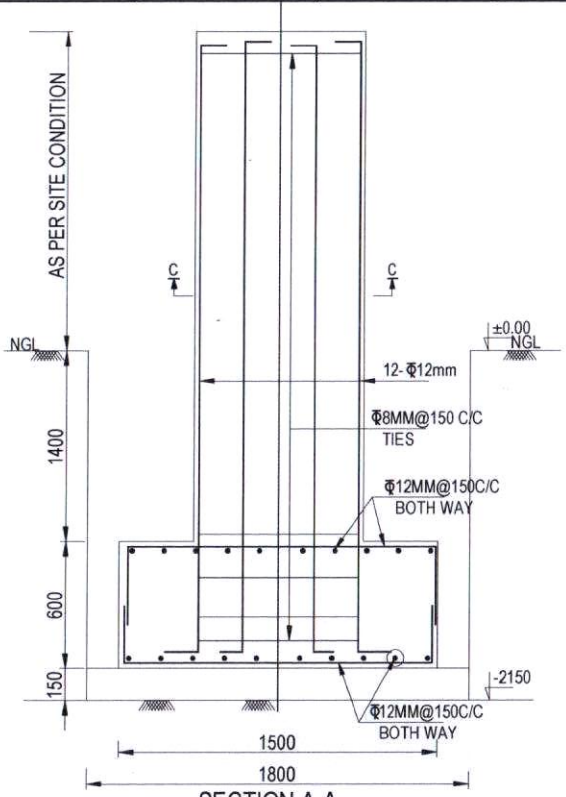
REVISION

SUB ENGINEER P.W.D. DURG | S.D.O. P.W.D. DURG | EXECUTIVE ENGINEER P.W.D. DURG

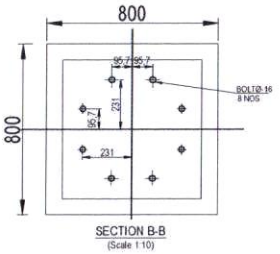
DRG. NO. :- 2C



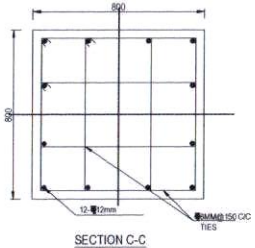
SECTION A-A
(SHUTTERING DETAILS)(Scale 1:50)



SECTION A-A
(REINFORCEMENT DETAILS) (Scale 1:10)



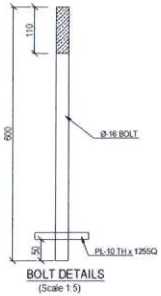
SECTION B-B
(Scale 1:10)



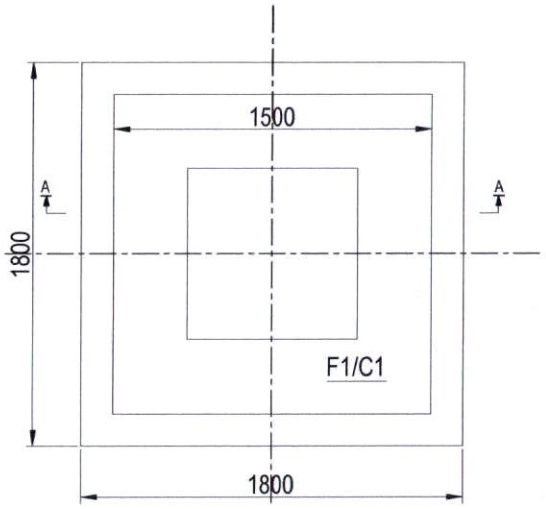
SECTION C-C
(Scale 1:10)

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12. REINFORCEMENT DETAILING SHALL BE AS PER SP-34



BOLT DETAILS
(Scale 1:5)



PLAN OF FOOTING F1/C1
(Scale 1:50)

PWD DURG

SIGNAGE DESIGN FOR CANTILIVER SIGN BOARD OF RAM VAN GAMAN MARG

	SIGN	DATE
DRAWN	SKA	
CHECKED		
APPROVED		

TITLE: FOUNDATION DETAILS

SCALE: 1:100
ISSUED FOR
APPROVAL
CONSTRUCTION
SHEET NO. OF

REV.NO.	DESCRIPTION	DATE	BY	APPROVED
1				

REVISION

SUB ENGINEER P.W.D. DURG | S.D.O. P.W.D. DURG | EXECUTIVE ENGINEER P.W.D. DURG

DRG. NO. :- 3C