



M. C. G. M.

PART **2**  
MANUAL-2001

PLANNING & DESIGN  
GUIDELINES FOR  
**Signage**  
System  
FOR STREETS OF MUMBAI



PLANNING & DESIGN  
GUIDELINES FOR  
**Signage**  
**System**  
FOR MUMBAI & ITS SUBURBS

PART **2**  
MANUAL-2001

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MUNICIPAL CORPORATION OF GREATER MUMBAI

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PLANNING & DESIGN GUIDELINES BY  
A & A DESIGN ASSOCIATES  
ARCHITECTS & INDUSTRIAL DESIGNERS

Anuprita Surve  
&  
Aparna Surve

Shri. Karun C. Srivastava  
Municipal Commissioner,

Mr. Ajit Kumar Jain,  
Additional Municipal Commissioner,  
City

THE COMMITTEE  
MUMBAI'S INITIATIVE FOR  
THE PROTECTION &  
IMPROVEMENT OF  
STREETS & PUBLIC SPACES

Ms. Brinda Somaya  
Mr. P. K. Das  
Mr. Rahul Mehrotra  
Ms. Kunti Oza

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**2** PART  
MANUAL-2001

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of Greater Mumbai, 2001

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**Industrial Design consultants :**  
**Anuprita Surve & Aparna Surve -**  
A & A Design Associates:  
Architects & Industrial Designers

**Shri. Karun C. Srivastava**  
Municipal Commissioner,  
Municipal Corporation of Greater Mumbai.

**Shri. Ajit Kumar Jain,**  
Additional Municipal Commissioner, City  
Municipal Corporation of Greater Mumbai.

**Mr. J. M. Ranadive**  
Dy. Chief Engineer.(P. I. Cell)  
Municipal Corporation of Greater Mumbai.

**Ms. Brinda Somaya**  
**Mr. P. K. Das**  
**Mr. Rahul Mehrotra**  
**Ms. Kunti Oza**

The committee: Mumbai's initiative for the protection &  
improvement of streets & public spaces

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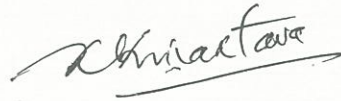
## PREFACE

The citizens of Metropolis of Mumbai have been in quest of identity of "Mumbai" as their own city. Over the period of last few years, this 'quest of identity' has gathered considerable momentum and has become a movement. A movement of citizens of Mumbai, actively participated and led by citizens themselves with involvement of civic authorities, as never before in the past.

Any civilization, particularly Mumbai, seeks its first impressions on streets. If the streets are properly networked, clean and beautiful, the city is perceived as an advanced one. This was the perspective high on our minds when we initiated and steered the programme of beautification of Mumbai. As a first step to achieve this objective, the guidelines for street furniture in the form of a manual have already been published.

I feel very happy to present this 'Signage Manual' to citizens of Mumbai. The manual will help ensure standardisation of signages all over Mumbai besides reducing the clutter and chaos resulting from a variety of signs, poles and messages as they exist today on streets. The addition of more images and visuals to signage system will make them more citizen-friendly and will cater to the needs of both pedestrians and vehicle users more effectively by regulating, warning or guiding the traffic on streets. My sincere thanks are due, to all those who have contributed to this beautiful manual for a beautiful Mumbai. Thanks are due, to Shri Mahesh Gauri, Jt. Commissioner of Police (Traffic), Shri Rahul Mehrotra, Ms. Brinda Somaiyya, Mr. P. K. Das and Ms. Kunti Oza, the Core Committee members for their initiative and Ms. Anuprita Surve and Ms. Aparna Surve, of M/s. A & A Design Associates for designing the signage system.

Addl. Municipal Commissioner (City) Shri A.K. Jain & Dy. Chief Eng. Shri Ranadive of the P. I. Cell of M.C.G.M. deserve a special mention as they have played a pivotal role in culminating this manual.



**Shri Karun C. Srivastava**  
Municipal Commissioner  
Brihanmumbai Mahanagarपालिका

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## Existing Scenario OF SIGNAGE SYSTEM

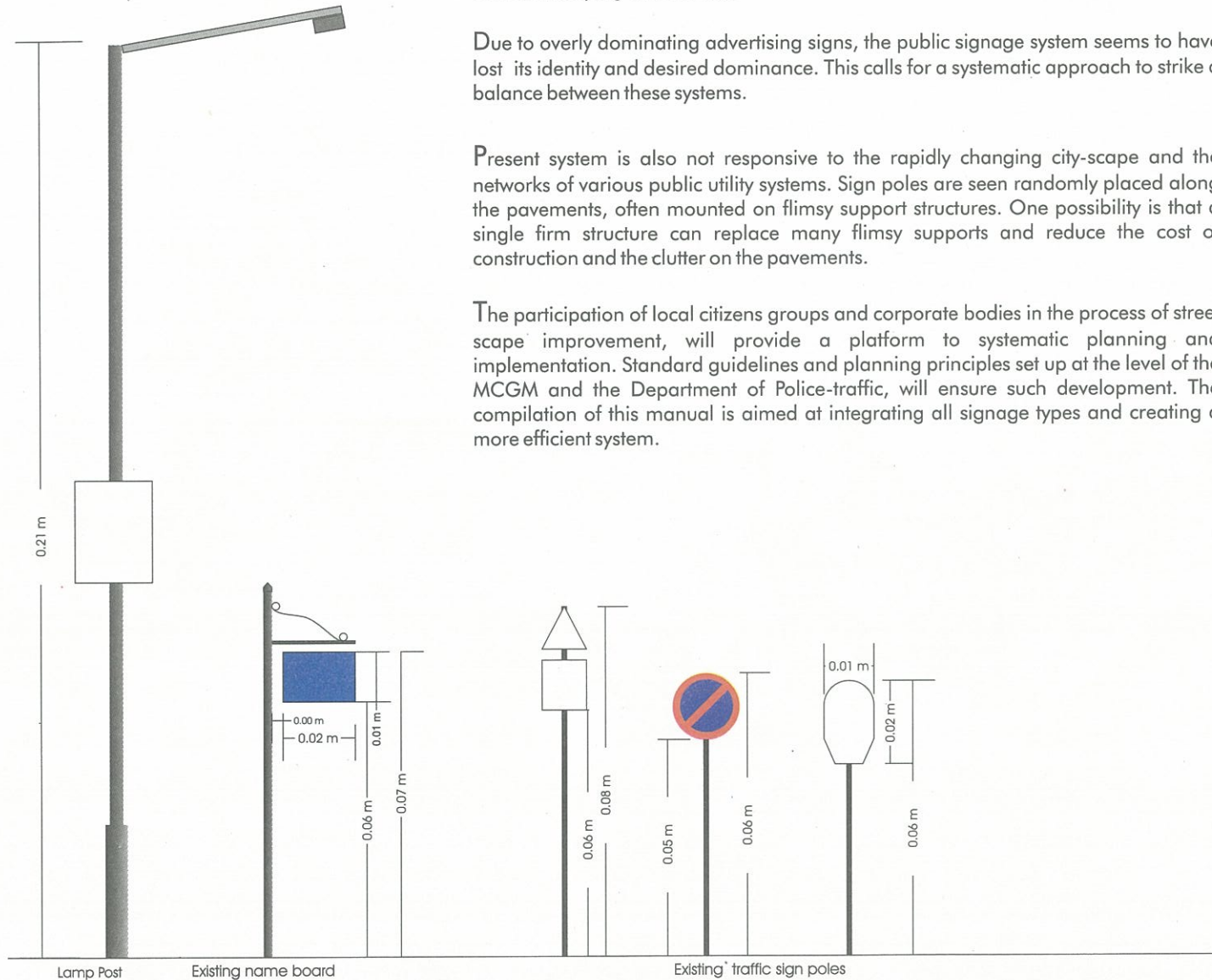
### EXISTING SCENARIO

The Signage system as it exists on the streets of Mumbai needs coordinated efforts right from the stage of planning to erection and there is also a need for an aesthetic revival in keeping with the time.

Due to overly dominating advertising signs, the public signage system seems to have lost its identity and desired dominance. This calls for a systematic approach to strike a balance between these systems.

Present system is also not responsive to the rapidly changing city-scape and the networks of various public utility systems. Sign poles are seen randomly placed along the pavements, often mounted on flimsy support structures. One possibility is that a single firm structure can replace many flimsy supports and reduce the cost of construction and the clutter on the pavements.

The participation of local citizens groups and corporate bodies in the process of street scape improvement, will provide a platform to systematic planning and implementation. Standard guidelines and planning principles set up at the level of the MCGM and the Department of Police-traffic, will ensure such development. The compilation of this manual is aimed at integrating all signage types and creating a more efficient system.

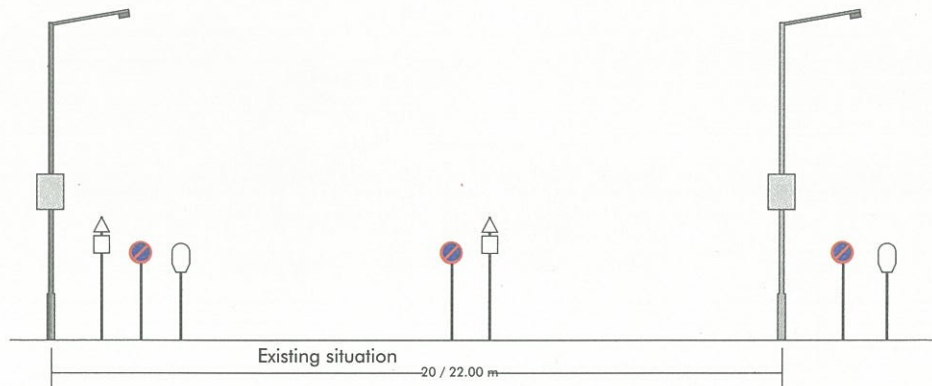
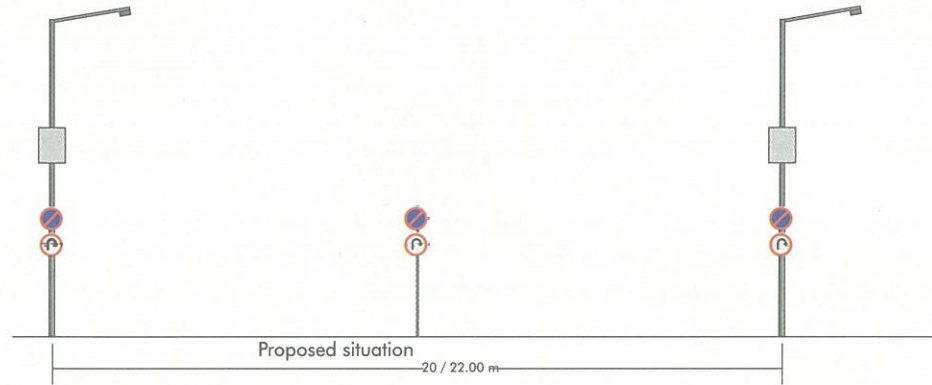


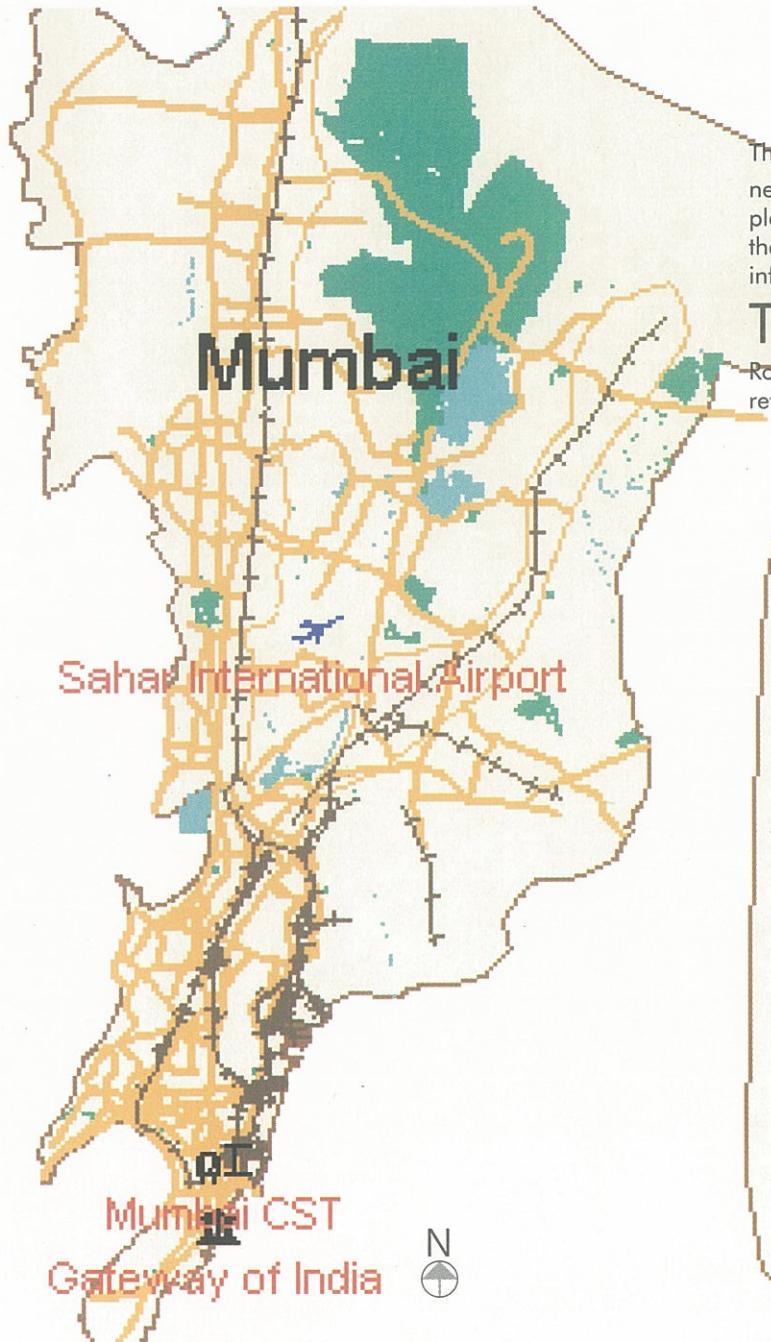
## Objective Of the MANUAL

The **Objective** of this manual is to bring about discipline in the present signage system by introducing sturdy support structure and a distinct hierarchy in the elements of signage.

The manual proposes planning guidelines within the parameters laid down by the INDIAN ROAD CONGRESS, MCGM, DEPARTMENT OF POLICE -Traffic and other statutory bodies. The primary objectives of the manual are as below :

- Reduce the clutter and disorder due to the number and designs of support poles & signs.
- Bring about hierarchy in sign types and colour schemes with respect to the road types and public spaces under consideration.
- Ensure uniformity and standardization in the way signs are designed, manufactured and installed.
- Make Signages more communicative to the common man by adding images and visuals and by making them bilingual.
- Introduce modern materials and manufacturing processes and aesthetics.





The Proposed signage system has been conceived for vehicular networks, pedestrian network, public spaces and an overall Master plan of different zones. It mainly deals with support structures and their organisation on streets as well as colour schemes, fonts and information organisation in sign panels.

Traffic Department -MCGM , Traffic Department- Police, Indian Road Congress guidelines and International standards could be referred for details on signs and symbols.

### CONTEXT:

The road signs are intended to broadly serve the following road and public space types.

- ROAD TYPES**
- 1 Expressways
  - 2 Arterial Roads
  - 3 Sub-arterial roads
  - 4 Neighbourhood streets or by-lanes

- PUBLIC PLACES**
- 1 Maidans, Parks,
  - 2 Seafront etc.
  - 3 Precincts near railway stations, hospitals and other amenities.

### EXISTING SCENARIO

The Signage system as it exists on the streets of Mumbai needs coordinated efforts right from the stage of planning to erection and there is also a need for an aesthetic revival in keeping with the time.

Due to overly dominating advertising signs, the public signage system seems to have lost its identity and desired dominance. This calls for a systematic approach to strike a balance between these systems.

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

# Proposed Signage System

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# Specifications

## SECTION A : STRUCTURE & MATERIALS

### A Material

The various materials and fabrication of the Traffic signs should conform to the following Requirements: -

#### A-1 Concrete :

Concrete should be of the grade shown on the drawings.

#### A-2 Reinforcement Steel :

Reinforcement Steel should conform to the requirements of IS: 1786 unless otherwise shown on drawings.

A-3 Bolts, nuts, washers : High strength bolts should conform to IS: 1367 whereas precision bolts, nuts etc., should conform to IS: 1364. The bolts and nuts should be of stainless steel.

#### A-4 Double side adhesive tapes :

Signage plaques either should be fixed with screws & bolts as mentioned in B.3 or fixed using Double side adhesive tapes

For external application us '3M-VHB #4956' acrylic foam tape or equivalent.

Tape required per panel= 9sq inch tape to be used per kg. of dead wt of the signage panel.  
Tape should be applied in uniform length & width around the panel for leak-proof joint.

Application technique : Surface should be kept clean from oil & dust at the time of application. Detail application procedure as instructed by the manufacture should be followed.

#### A-5 Plates and supports :

Plates and support sections for the signposts should conform to IS: 226 and IS: 2062 or any other relevant IS specifications.

#### A-6 Aluminum :

Aluminum sheets used for sign boards should be of smooth, hard and corrosion resistant aluminum alloy conforming to IS: 736 Material designation 24345 or 1900. The back of the sheet should be painted with two coats of Epoxy paint. The thickness of the sheets should be min 3mm for all types of signs.

#### A-7 Steel sections :

Structural steel sections should be as per relevant IS specifications. Other steel closed sections should be as per IS 4923 or other relevant IS specifications.

#### A-8 Structural details :

The structural details for supports should be as per the drawings and parts should be free from any defects.

#### A-9 Treatment to Structural members

All structural (MS) members should be hot dip galvanised or should be coated with a base coat of polymer rust converter and it should be applied in the manner described by the manufacturer.  
Polymer rust converter converts the rust into metal complex, which becomes a part of the film. i.e. It converts adherent rust automatically into a polymer compound when the protection film is formed on the metal surface in a few minutes.

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# Signage System

## SPECIFICATIONS

Drawings not to be measured. Only written dimensions to be followed..

NOTE : For details please refer to publications by "INDIAN ROAD CONGRESS" and other statutory bodies such as the Municipal Corporation of Greater Mumbai (MCGM) and the Department of Police, Traffic.

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Signage  
System

**SPECIFICATIONS**

**A-10 Signpost Installation**

Signposts, their foundation and sign mounting should be so constructed, so as to hold these in a proper and permanent position. Sign supports should be of Galvanized structural steel or coated with a polymer rust converter as per A-8 and shall be firmly fixed to the ground by means of properly designed foundation or as shown in the drawings.

All components of signs and supports, excluding the back side of Aluminum sheet and the reflective portion should be thoroughly descaled, cleaned and Galvanized (zinc coated 0.55 kg per sq. m., minimum single spot) and should conform to relevant IS specifications.

The signs should be fixed to the posts by welding and/or bolts and washers and/or with double side adhesive tape as shown in the drawings. After the nuts have been tightened, the tails of the bolts shall be furred over with a hammer to prevent removal.

**A-11 Foundation for Support**

Foundation for supports of sign boards with single support should be made by making excavation in all type of strata to the sizes and level as shown in relevant drawings and fixed with cement concrete during installation.

**A-12 Foundation for Gantries:**

Details specified for gantry are relevant for a span up to 15.0 m. However, it is mandatory to submit fresh drawings approved by a structural consultant before execution.

- If the soil is marshy, pile foundation should be provided.
- In order to maintain uniformity in the aesthetics' of the gantries in the city, guidelines laid in the manual should be adhered to.

All concrete works will be carried out as per relevant "MOST" specifications.

Drawings not to be measured. Only written dimensions to be followed..

NOTE : For details please refer to publications by "INDIAN ROAD CONGRESS" and other statutory bodies such as the Municipal Corporation of Greater Mumbai (MCGM) and the Department of Police, Traffic.

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**SECTION B - SIGNS**

**B General**

The enforcement of mandatory traffic signs falls in the purview of department of traffic police. The notification under relevant section of Mumbai Police Act before installation of mandatory signs is a prerequisite. The mandatory signs should not be installed without the prior approval of traffic police. Clubbing of mandatory signs with other signs should not be done unless approved by Department of Traffic Police.

**B-1 Colour**

Unless otherwise specified, the general colour Scheme shall be as stipulated in the manual or 'IS:5:Colour for Ready Mixed Paints". Viz.

- Traffic signs: As per IRC guidelines
- Route Identification signs: Blue & white
- Direction signs: Green & white
- Indication signs: Blue & Yellow wherever specified
- Letters: White or Black as specified
- Blue - IS Colour no. 166: French Blue or C93 M53 Y 4 K0
- Green- IS Colour no. 284: India Green or C91 M42 Y97 K9
- Yellow- IS Colour no: Yellow ochre or C0 M20 Y100 K0

**Background colour is indicated as grey which should correspond to available white / light grey of the sign sheet manufacturer.**

Letters should be in White or Black.

The colours shall be durable and uniform in acceptable hue when viewed in daylight or under normal headlights at night.

**B-2** The signs should be retro reflective type and made of High intensity or Prismatic reflective sheeting as per section C,- fixed over aluminum sheeting as per section A6.

The signs should be largely categorised in two types : Shoulder mounted & Over-hung. The type of retro-reflective sheeting that could be applicable in each sign type is listed below.

	Traffic signs					Pedestrian	Advt.
	Mandatory	Cautionary	Informatory	Route Ident.	Direction	Pedestrian	Advt.
Shoulder Mounted	High intensity Prismatic Retro-refle	High intensity Prismatic Retro-refle	High intensity Prismatic Retro-refle	High intensity Prismatic Retro-refle Plain vinyl	High intensity Prismatic Retro-refle	Vinyl	Vinyl
Over Hung	High intensity Prismatic Retro-refle	High intensity Prismatic Retro-refle	High intensity Prismatic Retro-refle	High intensity Prismatic Retro-refle	High intensity Prismatic Retro-refle	Vinyl	Vinyl

**B-3 The Colour configuration**

The Colour, size & location of all traffic signs viz. Mandatory/ cautionary & informatory, for road should be as specified in IRC guidelines and of other signs such as direction & route identification signs should be as specified in the drawings. In absence of details, the signs should be provided as directed by the M.C.G.M. or the committee.

**B-4** If carried out at large scale, cautionary and mandatory signs should be fabricated through process of screen-printing on retro reflective sheet since it works out economical or they could be of cut letters made in transparent overlay film pasted over the base sheeting with pressure sensitive adhesive.

**B-5** In regards to informatory signs like direction signs & route identification signs with inscriptions, the message should be of cut out letters made in the transparent overlay film pasted over the base sheeting with pressure sensitive adhesive or as instructed by the manufacturers

**B-6** All dimensions are in mm unless specified otherwise.

**Signage  
System**

**SPECIFICATIONS**

Drawings not to be measured.  
Only written dimensions to be followed..

NOTE : For details please refer to publications by "INDIAN ROAD CONGRESS" and other statutory bodies such as the Municipal Corporation of Greater Mumbai (MCGM) and the Department of Police, Traffic.

## SECTION C SIGNS- Retro-reflective sheeting

### C-1 General requirements

The retro-reflective sheeting used on the sign should consist of the white or coloured sheeting having a smooth outer surface, which has the property of retro-reflection over its entire surface. It should be weather-resistant and show colour fastness. It should be new and unused and should show no evidence of cracking, scaling, pitting, blistering, edge lifting or curling and should have negligible shrinkage or expansion. A certificate, of having tested the sheeting for these properties in an unprotected outdoor exposure facing the sun for two years and its having passed these tests should be obtained from a reputed laboratory, by the manufacturer of the sheeting for each lot separately. The reflective sheeting shall be of **High intensity grade or wide-angle Prismatic lens type.**

### C-2 Letters, borders & graphic bands

The messages (legends, letters, numerals etc.) and borders of cautionary/regulatory signboards should be screen-printed on retro-reflective sheet when manufactured at large scale. Screen-printing should be processed and finished with materials and in a manner specified by the sheeting manufacturer and should be bonded with the sheeting in the manner specified by the manufacturer. The message (legends, letters, numerals etc.) and graphic lines of information signs, should be of cut letters made in transparent overlay film pasted over the base sheeting with pressure sensitive adhesive or as instructed by the manufacturers.

### C-3 Colour

Unless otherwise specified, the general colour Scheme should be as stipulated in IS: 5: "Colour for Ready Mixed Paints". Viz.

Blue	-	IS Colour no. 166:	French Blue
Red	-	IS Colour no. 537:	Signal Red
Green	-	IS Colour no. 284:	India Green
Orange	-	IS Colour no. 591:	Deep orange

The colours shall be durable and uniform in acceptable hue when viewed in daylight or under normal headlights at night.

### C-4 Adhesives

The sheeting/film should have a pressure sensitive adhesive of the aggressive tack type requiring no heat, solvent or other preparation for adhesion to a smooth clean surface. The adhesive should be protected by an easily removable liner (removable by peeling without soaking in water or other solvent) and should be suitable for the type material of the base plate such that it should not be possible to remove the sheeting from the sign base in one piece by use of sharp instrument. The adhesive should form a durable bond to smooth, corrosion and weather resistant surface of the base plate. In the case of pressure-sensitive adhesive sheeting, the sheeting should be applied in accordance with the manufacturer's specification. If the surface is rough, approved surface primer may be used. After cleaning, metal should not be handled, except by suitable device or clean canvas gloves. There should be no opportunity for metal to come in contact with grease, oil or other contaminants prior to the application of retro-reflective sheeting.

C-5 Complete sheets of the material should be used on the signs except where it is unavoidable; at splices, sheeting with pressure sensitive adhesive should be overlapped not less than 5 mm. Where screen printing with transparent colours is proposed, only butt jointing should be used. The material should cover the sign surface evenly and shall be free from twists, cracks and folds. The transparent overlay film in which messages have been made should be bonded with sheeting in the manner specified by the manufacturer.

### C-6 Warranty and durability

The sign manufacturer/ vendor should obtain from the retro-reflective sheet manufacturer seven-to ten year warranty for satisfactory field performance of the finished signs with retro-reflective sheeting of **High intensity grade or Prismatic lens type**, inclusive of the screen-printed or cutout letters/ legends, transparent film and their bonding to the retro-reflective sheeting should be obtained from the sign manufacturer/ vendor /supplier. The contractor/supplier shall also furnish a certification that the signs and materials supplied against the assigned work meets all the stipulated requirements and carry the stipulated warranty.

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# Signage System

## SPECIFICATIONS

Drawings not to be measured.  
Only written dimensions to be followed..

NOTE : For details please refer to publications by "INDIAN ROAD CONGRESS" and other statutory bodies such as the Municipal Corporation of Greater Mumbai (MCGM) and the Department of Police, Traffic.

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# Signage Types

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The signs are broadly classified into three main types :

- A Traffic signs
- B Pedestrian signs
- C Advertisement signs

**Section A**

**Signage  
System**

**TRAFFIC SIGNS**

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**MANDATORY SIGNS**

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**CAUTIONARY SIGNS**

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**INFORMATORY SIGNS**

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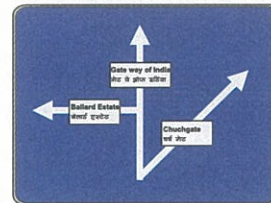
**T**RAFFIC SIGNS ARE  
OF THREE TYPES

1 Regulatory signs /  
Mandatory signs

2 Cautionary signs.

3 Informatory signs

- i Place and route  
identification signs  
(Name boards  
and Route Maps)
- ii Advance direction/  
direction signs
- iii Indication signs



## MANDATORY SIGNS

Signs such as "STOP" or "GIVE WAY" fall under this category.

These are circular in shape with a diameter of 400 mm or 600 mm. The background is white for speed control and blue for waiting, parking restrictions and directional control. The symbols are in black colour for prohibitory signs and in white for direction signs.

## CAUTIONARY SIGNS

As per IRC standards, cautionary signs are triangular (equilateral) in form facing upward and measuring 900 mm or 600 mm. The background is white and the symbols are black.

## INFORMATORY SIGNS

### PLACE & ROUTE IDENTIFICATION SIGNS

Rectangular traffic signs are placed at a junction indicating routes (route markers), road names, public space, name boards defining "Area boundaries" and Road networks and important buildings.

### ADVANCE DIRECTION / DIRECTION SIGNS / DESTINATION SIGNS

Direction signs or Gantries on highways and arterial roads have a green or blue background and the information is given in white arrows and letters.

### INDICATION SIGNS

These signs provide information about facilities such as hospitals, railway stations and important public buildings. They are rectangular in shape and 450 X 600 mm in size. The background is blue and the symbol is black within a white rectangle.

# T raffic S igns

NOTE : For details please refer to publications by "INDIAN ROAD CONGRESS" and other statutory bodies such as the Municipal Corporation of Greater Mumbai (MCGM) and the Department of Police, Traffic.

**STRAIGHT PROHIBITED OR NO ENTRY**



**ONE WAY SIGNS - VEHICLES PROHIBITED IN ONE DIRECTION**



**VEHICLES PROHIBITED IN BOTH DIRECTIONS**



**MOTOR VEHICLES PROHIBITED**



**TRUCKS PROHIBITED**



**BULLOCK CARTS AND HAND CARTS PROHIBITED**



**BULLOCK CARTS PROHIBITED**



**HAND CARTS PROHIBITED**



**CYCLE PROHIBITED**



**RIGHT TURN PROHIBITED**



**LEFT TURN PROHIBITED**



**U-TURN PROHIBITED**



**OVERTAKING PROHIBITED**



**HORNS PROHIBITED**



**NO PARKING**



**NO STOPPING NO STANDING**



**SPEED LIMIT**



**WIDTH LIMIT**



**HEIGHT LIMIT**



**LENGTH LIMIT**



**LOAD LIMIT**



**AXLE LOAD LIMIT**



**RESTRICTION ENDS**



**COMPULSORY TURN LEFT (RIGHT IF SYMBOL IS REVERSED)**



**COMPULSORY AHEAD AHEAD ONLY**



**COMPULSORY TURN RIGHT AHEAD (LEFT IF SYMBOL IS REVERSED)**



**COMPULSORY AHEAD OR TURN RIGHT**



**COMPULSORY KEEP LEFT**



**COMPULSORY AHEAD OR TURN LEFT**



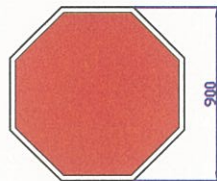
**COMPULSORY CYCLE TRACK**



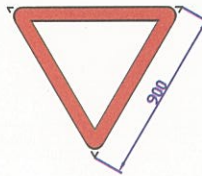
**COMPULSORY SOUND HORN**



**STOP**



**GIVE WAY**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**MANDATORY SIGNS**

Series of horizontal lines for writing notes.

NOTE: \* SIGNS : AS PUBLISHED BY "INDIAN ROAD CONGRESS"

\*FOR MORE DETAILS REFER TO IRC GUIDELINES





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**INFORMATORY SIGNS**

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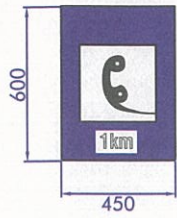


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**PUBLIC TELEPHONE**



**PETROL PUMP**



**HOSPITAL**



**FIRST-AID POST**



**LIGHT REFRESHMENT**



**EATING PLACE**



**RESTING PLACE**



**NO THROUGH ROAD**



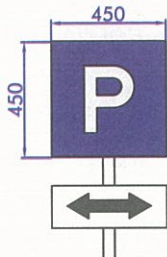
**NO THROUGH SIDE ROAD**



**PARK THIS SIDE**



**PARKING BOTH SIDES**



**PARKING LOT-SCOOTERS  
AND MOTOR CYCLES**



**PARKING LOT-TAXIS**



**PARKING LOT-CYCLES**



**PARKING LOT-  
AUTO RICKSHAWS**



NOTE:  
\* SIGNS : AS PUBLISHED BY  
"INDIAN ROAD CONGRESS"

\*FOR MORE DETAILS REFER TO IRC  
GUIDELINES

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

# 1 Signage System

## TRAFFIC SIGNS

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### TRAFFIC SIGN

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- A **POLE & SUPPORT STRUCTURES**
  - B **POLES ON NARROW PAVEMENTS**
  - C **POLE & SUPPORT STRUCTURES**  
For **LOCAL STREETS & ARTERIAL ROADS**
  - D **POLE & SUPPORT STRUCTURES**  
FOR **HIGHWAY**
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**T  
S** **traffic  
Signs****Mandatory Signs &  
Cautionary Signs****TRAFFIC SIGNS**

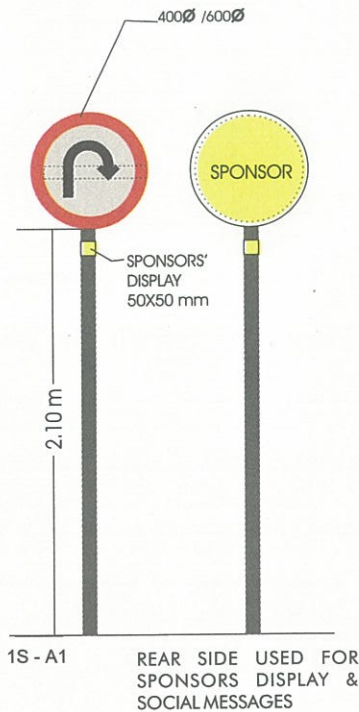
Traffic signs and symbols should be made as per rules and regulations of Traffic department.

Note : For details, please refer to publications by the " INDIAN ROAD CONGRESS" and other statutory bodies such as Municipal Corporation of Greater Mumbai and the Department of Police- Traffic.

- Number of structures holding traffic signs should be reduced to minimum by clubbing more than one non-mandatory signs on a single post wherever convenient.
- Traffic signs should be clubbed with other road signs wherever convenient, such as name boards, etc.
- No other traffic signs should be clubbed together with mandatory signs.
- Front side of the plaque should be used for the display of traffic symbols and the rear side could be used for social messages and information related to traffic rules and regulations in two languages Viz. Marathi and English.
- Sizes , proportions should be as per IRC standards and finishes as specified, or an equivalent material and process should be chosen with prior approval of the M.C.G.M.
- The signs should be placed where roads bifurcate and where pedestrians or drivers make decisions to select the desired path with due consent of the department of Traffic, Police and the department of Traffic, M.C.G.M.

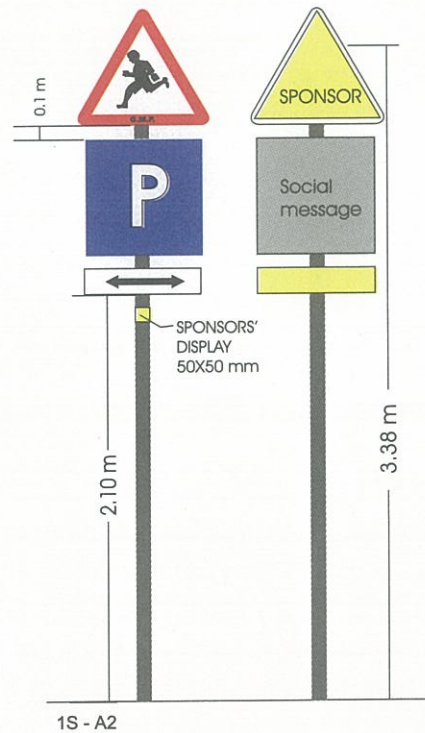
### Single Traffic sign on free-standing pole

- They should be used where a traffic sign cannot be put on an existing lamp-post or any other road sign, as required by traffic regulations.
- The sign should be fixed on a square pipe of 50x50mm.
- The rear side should be used for sponsors' display or social message.



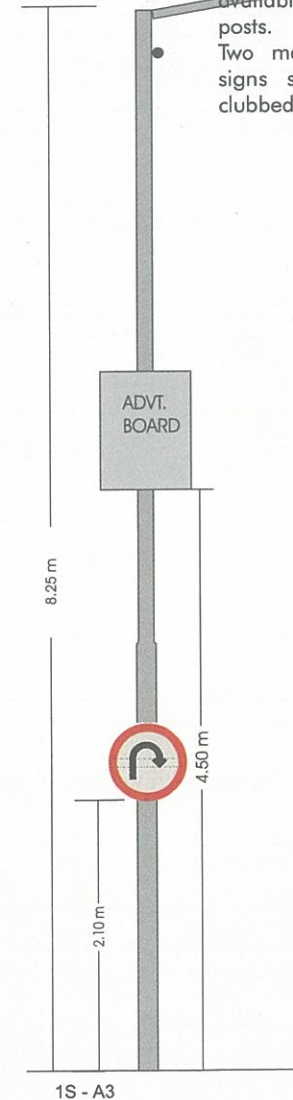
### Two Traffic signs on free standing pole

- To reduce the clutter on pavements, two non-mandatory traffic signs should be clubbed together wherever possible.
- The signs should be fixed on 50x50mm square pipes.
- The rear side should be used for sponsors' display or social message.



### Traffic signs on Existing Lamp post & other structures

- To reduce the clutter of signage poles on the pavement, signs should be mounted on the existing structures available such as Lamp posts.
- Two mandatory traffic signs should not be clubbed together.



### SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## Traffic Signs

### Mandatory Signs &

### Cautionary Signs

## A POLE & SUPPORT STRUCTURES

### SIGNAGE SPECIFICATIONS

High intensity grade Retro Reflective Film

**Colours**  
Red-Blue, White & Black  
As specified by the Indian Road Congress

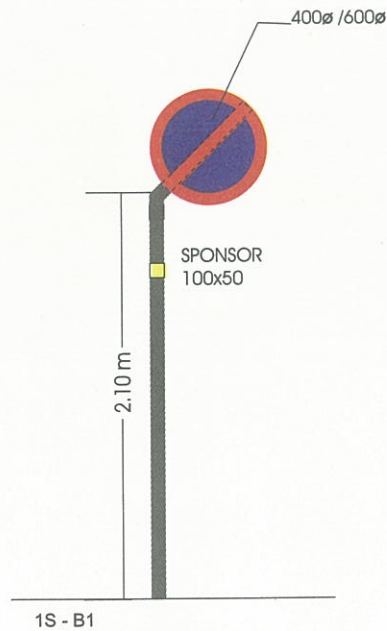
### LOCATION

To be placed perpendicular to the road or as per IRC guide lines

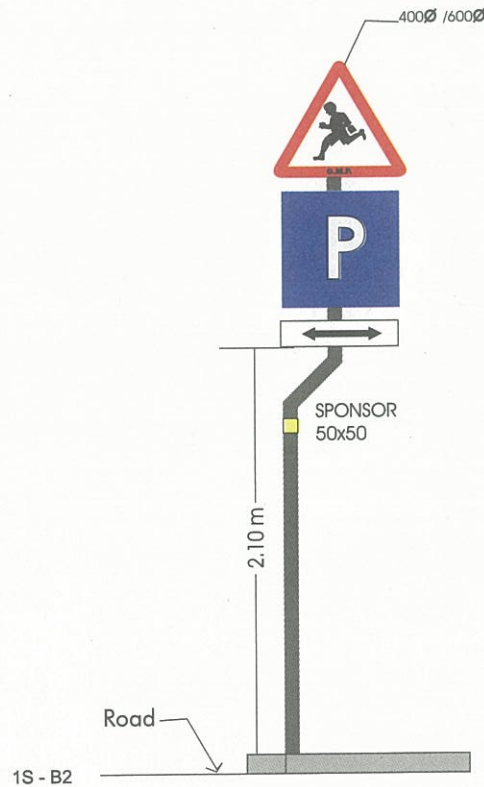
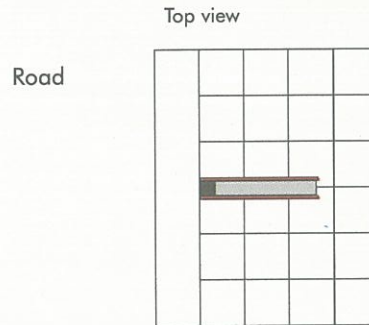
DESIGNS BY  
A & A DESIGN ASSOCIATES  
ARCHITECTS & INDUSTRIAL DESIGNERS

### Signage for narrow pavements- single traffic sign.

In case of narrow or no pavements traffic signs should be mounted on cantilevered support, to keep the pavement unobstructed for pedestrians.

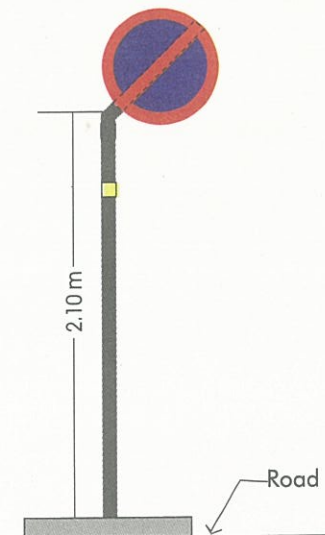
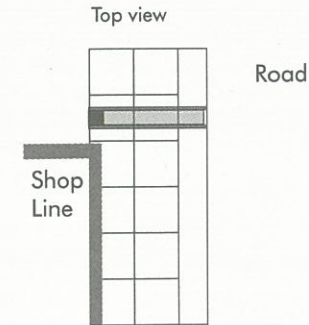


### Signage for narrow pavements- two non mandatory traffic signs



### LOCATION

Signage for narrow pavements- mandatory traffic towards the edge of



**SIGNAGE**  
**FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & THE COMMITTEE FOR  
 MUMBAI'S INITIATIVE FOR THE PROTECTION &  
 IMPROVEMENT OF STREETS & PUBLIC SPACES

# Traffic Signs

Mandatory Signs &  
 Cautionary Signs

## B POLES ON NARROW PAVEMENTS

For LOCAL STREETS &  
 ARTERIAL ROADS

### SIGNAGE SPECIFICATIONS

High intensity grade  
 Retro Reflective Film

**Colours**  
 Red-Blue, White & Black  
 As specified by the Indian  
 Road Congress

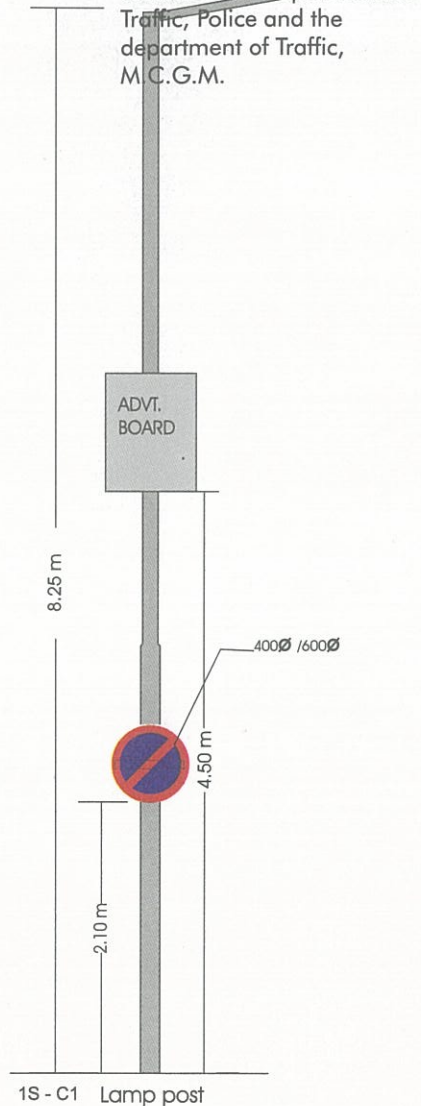
### LOCATION

To be placed  
 perpendicular to the  
 road or as per IRC  
 guide lines

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

Traffic signs should be integrated with existing lamp posts

In all situations traffic signs should be combined with the nearest Lamp post with due consent of the department of Traffic, Police and the department of Traffic, M.C.G.M.



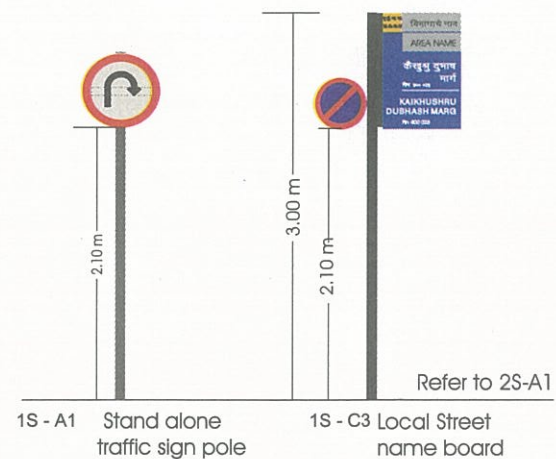
Traffic signs should also be integrated with the other existing vertical elements on the pavement

For arterial roads, Traffic signs should be mounted on lamp posts & Arterial Road name boards.



Traffic signs should also be integrated with the other existing vertical elements on the pavement

For Local streets, Traffic signs should be mounted on lamp posts & Local Street name boards.



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

# Traffic Signs

## Mandatory Signs & Cautionary Signs

# POLE & SUPPORT STRUCTURES

For LOCAL STREETS & ARTERIAL ROADS

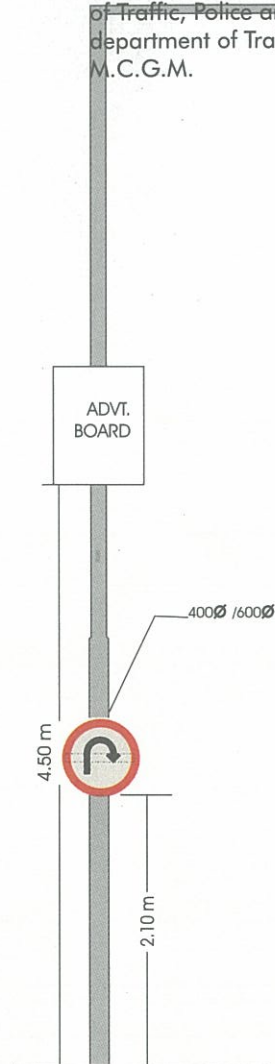
## SIGNAGE SPECIFICATIONS

High intensity grade  
Retro Reflective Film

Colours  
Red-Blue, White & Black  
As specified by the Indian Road Congress

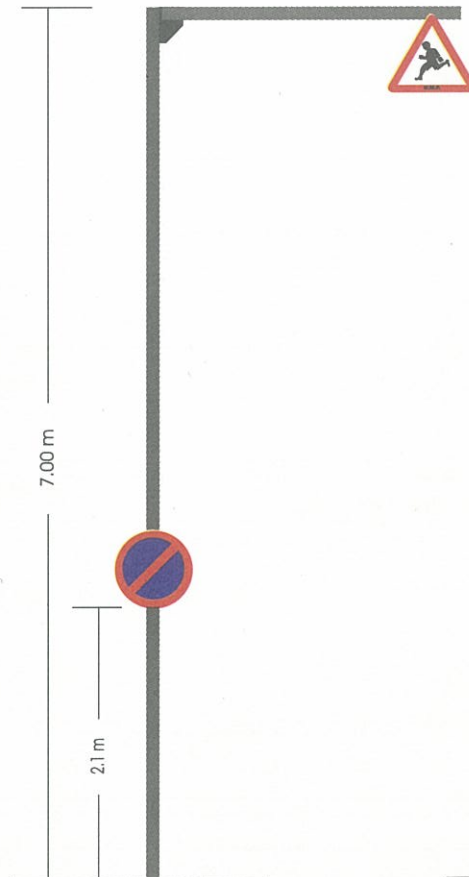
Traffic signs should be integrated with existing lamp-posts

In all situations traffic signs should be combined with the nearest Lamp post with due consent of the department of Traffic, Police and the department of Traffic, M.C.G.M.



1S - D1  
TRAFFIC SIGNS INTEGRATED WITH EXISTING LAMP POSTS

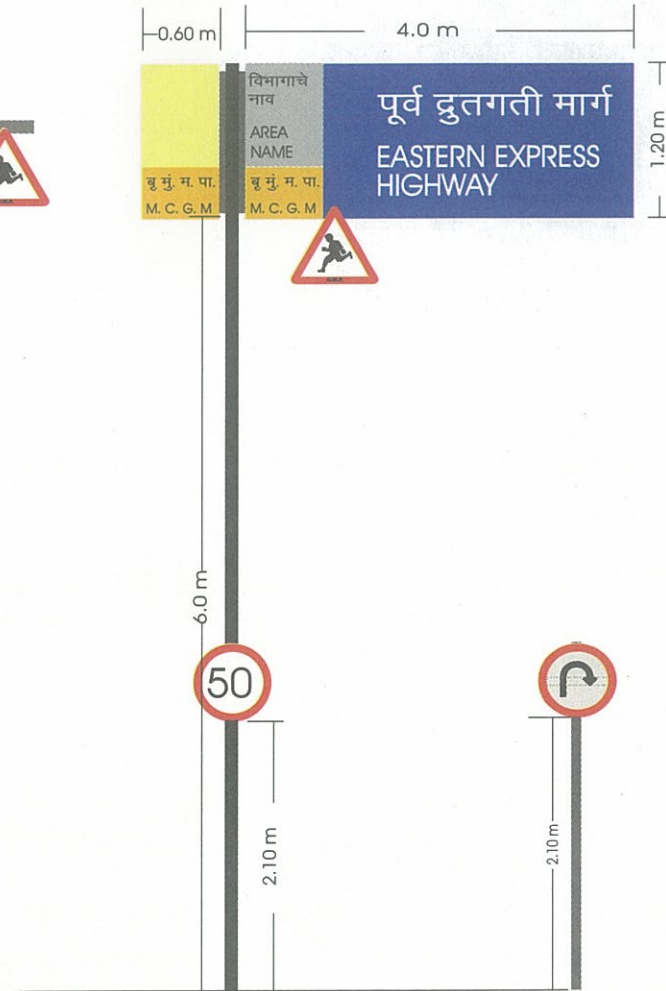
Cantilever Traffic signs pole



1S - D2  
CANTILEVERED TRAFFIC SIGNS

Traffic signs should also be integrated with other existing vertical elements on pavement

Traffic signs should be mounted on lamp posts & Highway Road name boards.



1S - D3  
CANTILEVERED NAME BOARD with TRAFFIC SIGNAGE

1S - A1 Stand alone traffic sign pole

**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

# Traffic Signs

Mandatory Signs &

Cautionary Signs

## D POLE & SUPPORT STRUCTURES For HIGHWAYS

### SIGNAGE SPECIFICATIONS

High intensity grade  
Retro Reflective Film

**Colours**  
Red-Blue, White & Black  
As specified by the Indian Road Congress

### LOCATION

They could be located on central divider or on pavement.  
To be placed perpendicular to the road.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**MANDATORY-CAUTIONARY TRAFFIC-SIGN POLE**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	SQ. PIPE 50 x 50 x 3.5 3300 LG. (MS)	1
2	SIGNAGE PLAQUE SHEET	3 MM THK ALUMINIUM SHEET.	2
3	HALF ROUND RING OF SQ. PIPE	SQ. PIPE 25 x 25 x 3 (MS)	4
4	CSK SCREW	M8 x 10 LG (SS)	8

**STRUCTURAL SPECIFICATIONS**

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

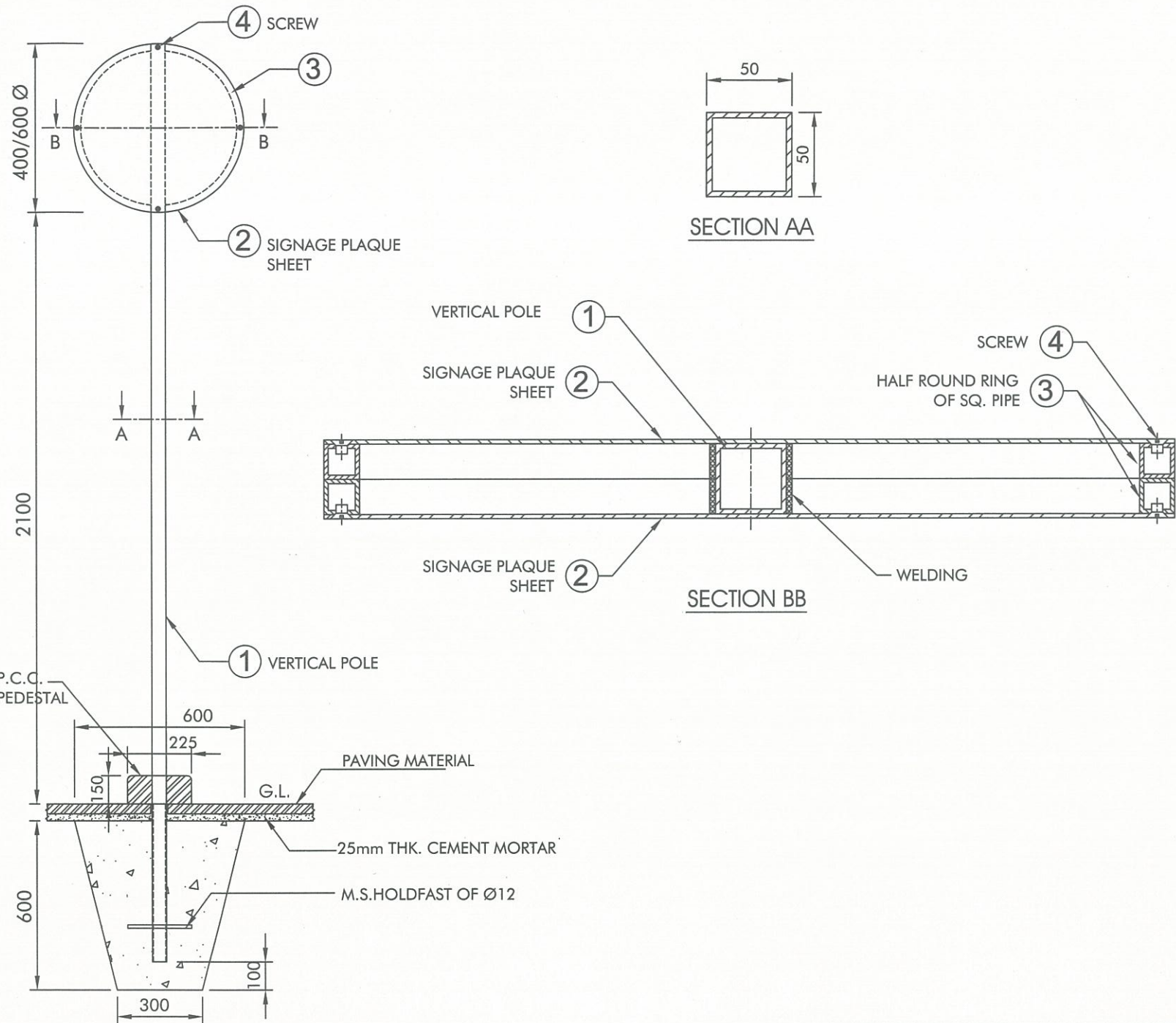
COLOUR:- AS SPECIFIED

**NOTES**

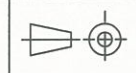
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.



**TRAFFIC SIGNS- SINGLE SIGN POLE**



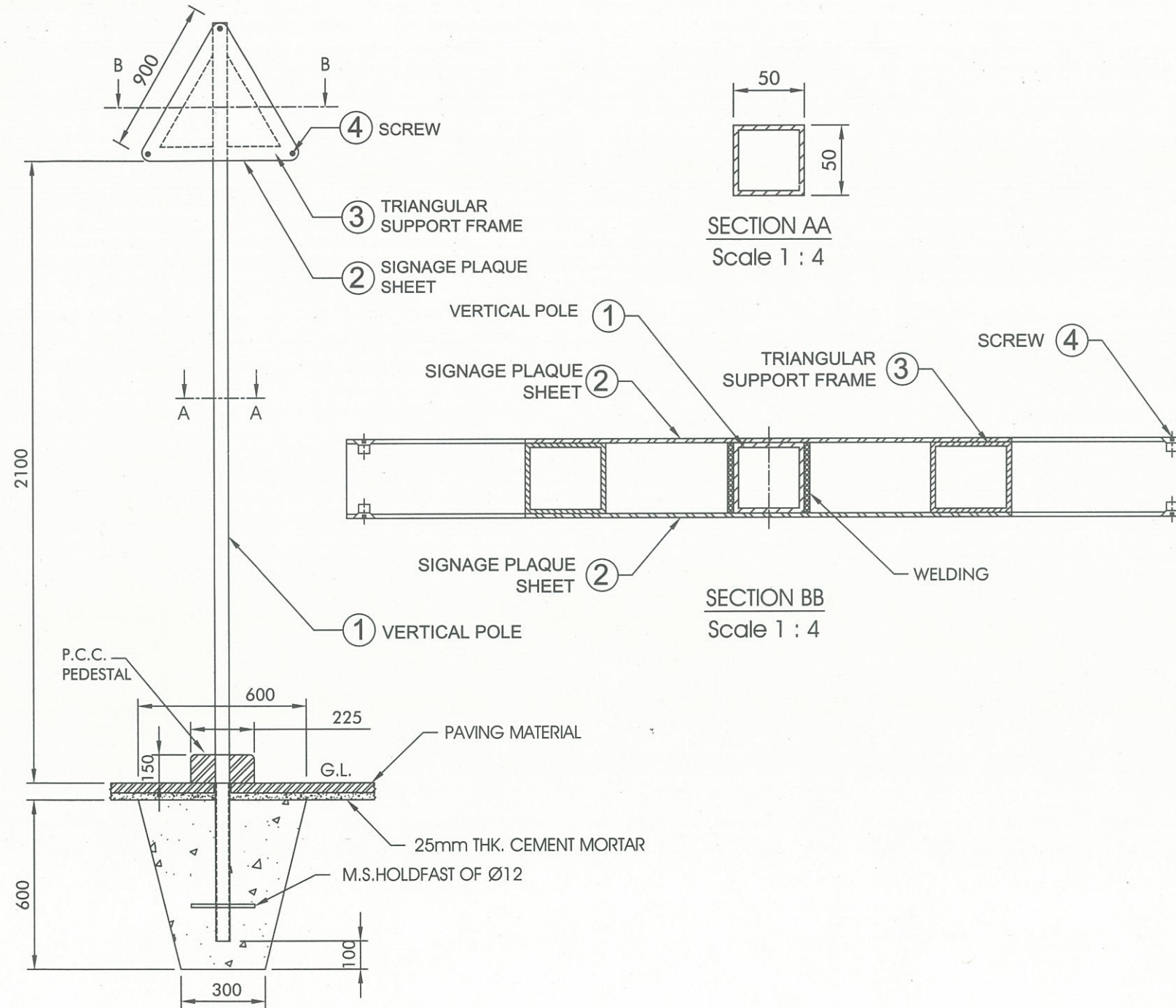
**1S-A-1**

DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001

SCALE :- 1:20 **18**



SECTION AA  
Scale 1 : 4

SECTION BB  
Scale 1 : 4

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**MANDATORY-CAUTIONARY TRAFFIC-SIGN POLE**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	SQ. PIPE 50 x 50 x 3.5 3300 LG. (MS)	1
2	SIGNAGE PLAQUE SHEET	3 MM THK ALUMINIUM SHEET	2
3	TRIANGULAR SUPPORT FRAME	SQ. PIPE 50 x 50 x 3 (MS)	2
4	CSK SCREW	M8 x 10 LG (SS)	6

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

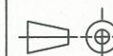
COLOUR:- AS SPECIFIED

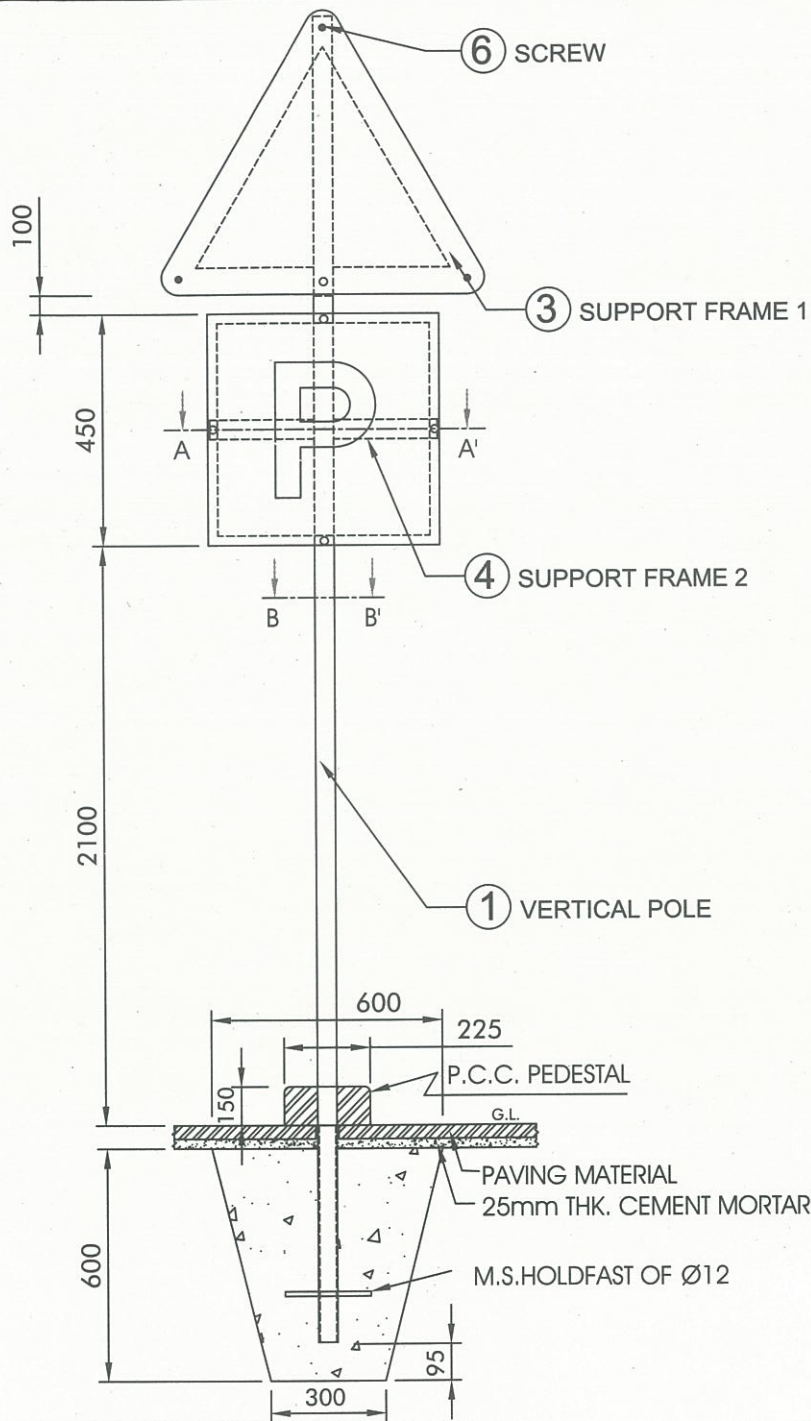
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

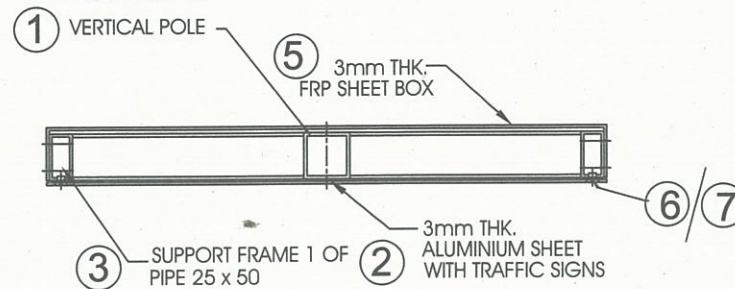
M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 µ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.



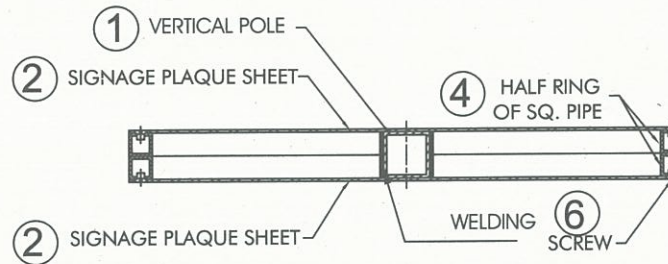


### OPTION 1

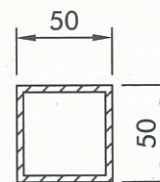


SECTION AA'  
Scale 1 : 10

### OPTION 2



SECTION AA'  
Scale 1 : 10



SECTION BB'  
Scale 1 : 4

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

### MANDATORY-CAUTIONARY TRAFFIC-SIGN POLE

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	SQ. PIPE 50 x 50 3.5 MM THK (MS)	1
2	SIGNAGE PLAQUE SHEET	3MM THK AL. SHEET	2
3	SUPPORT FRAME 1 OF RECT. PIPE	25 x 50 PIPE (MS)	2
4	SUPPORT FRAME 2	25 x 25 PIPE (MS)	4
5	FRP BOX	FRP BOX OF 3 MM THK SHEET	1
6	CSK SCREW	M8x10LG (SS)	8
7	BOTH SIDE ADHESIVE TAPE	3M VHB TAPE #4956 OR EQUIVALENT	

#### STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

CLOUR : STEEL GREY 90% BLACK

#### SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

CLOUR:- AS SPECIFIED

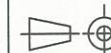
#### NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

## TRAFFIC SIGNS- DOUBLE SIGN POLE



1S-A2

DRG. NO.

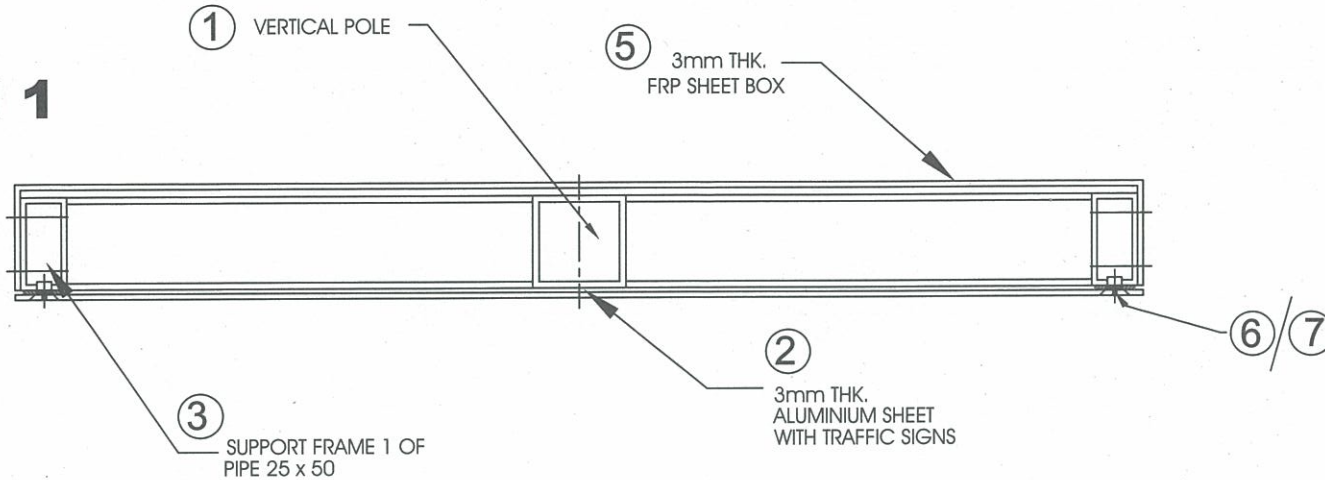
DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001

SCALE:- 1:20

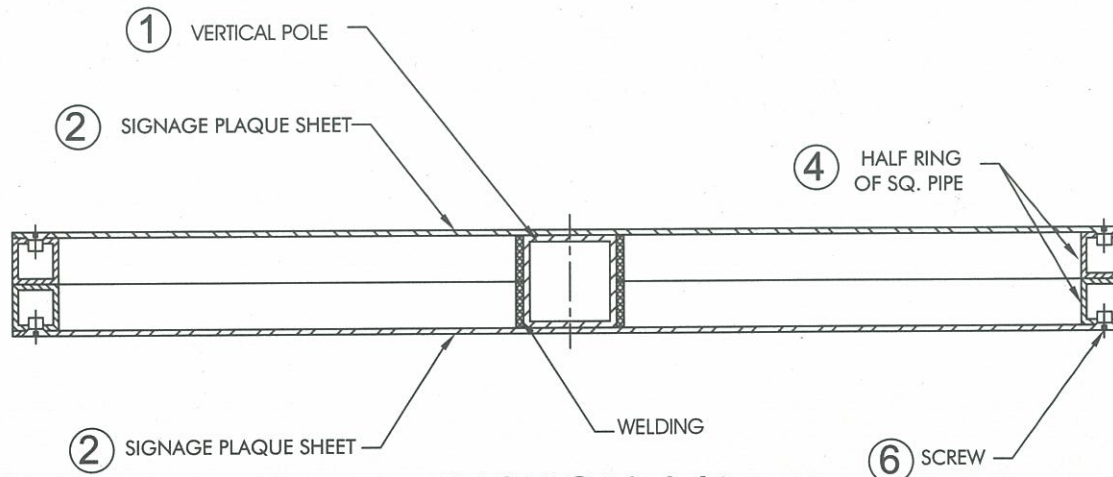
20

# OPTION 1



SECTION AA'  
Scale 1 : 10

# OPTION 2



SECTION AA'  
Scale 1 : 10

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

### MANDATORY-CAUTIONARY TRAFFIC-SIGN POLE

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	SQ. PIPE 50 x 50 3.5 MM THK (MS)	
2	SIGNAGE PLAQUE	3MM THK. AL. SHEET Ø600 RING	
3	SUPPORT FRAME 1	50 x 50 PIPE (MS)	
4	SUPPORT FRAME 2	RECT., PIPE SQ. PIPE 25 x 25 MM (MS)	
5	FRP BOX	FRP BOX OF 3 MM THK SHEET	
6	C.S.K. SCREW	COUNTER SUNK (SS)	
7	BOTH SIDE ADHESIVE TAPE	3M VHB TAPE #4956 OR EQUIVALENT	

#### STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

#### SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

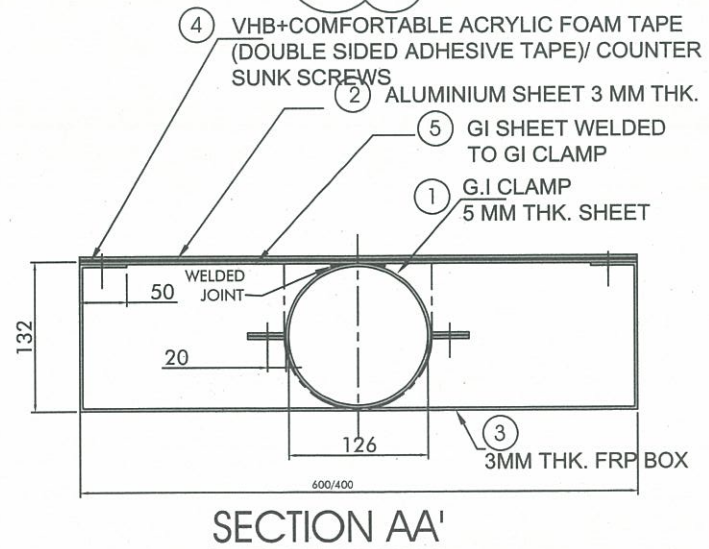
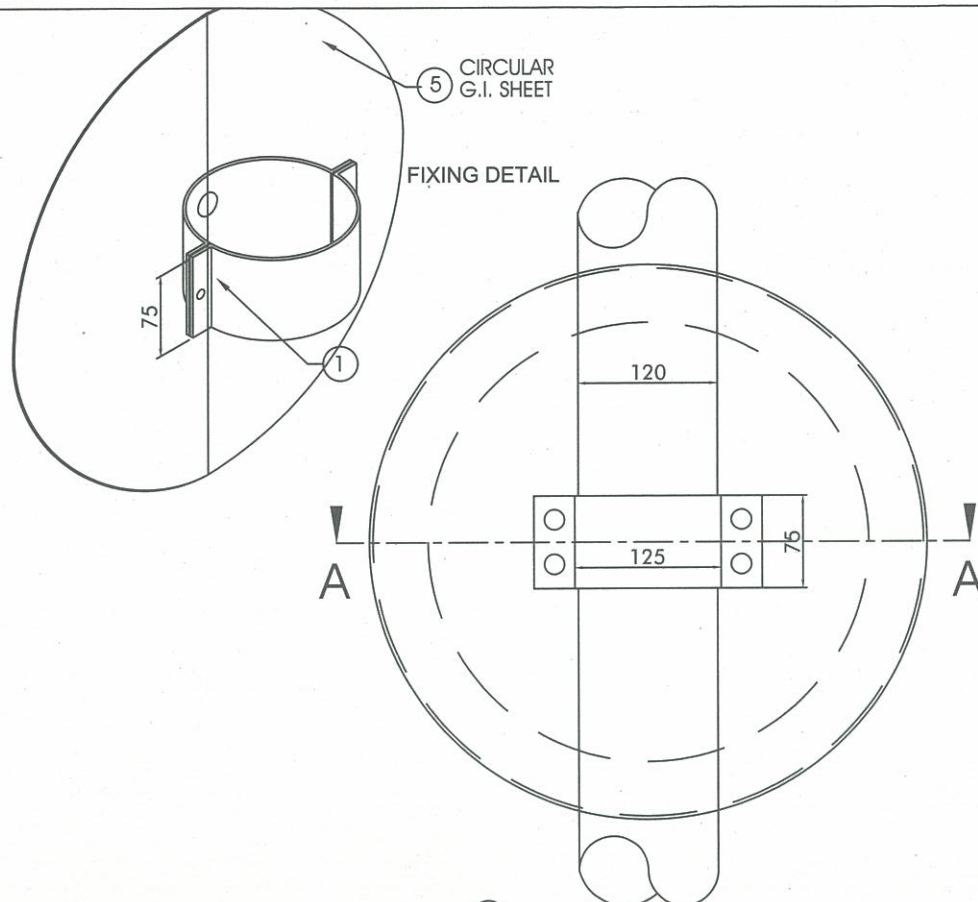
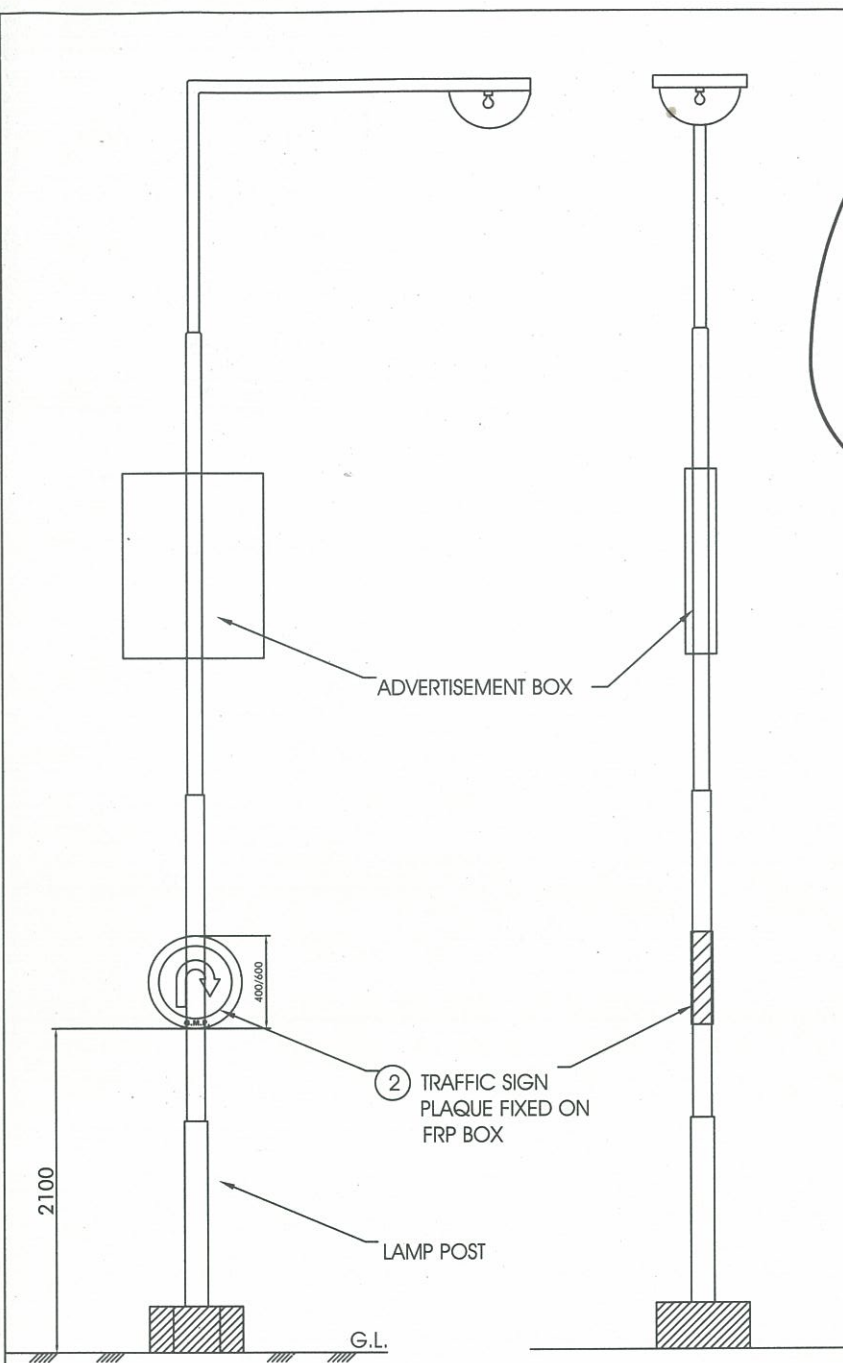
COLOUR:- AS SPECIFIED

#### NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGH BUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**TRAFFIC SIGNS ON LAMP POST**

NO	DESCRIPTION	MATERIAL	QTY
1	FIXING CLEAT / G. I. CLAMP	5MM THK GI SHEET ID-120 Ø	2
2	SIGNAGE PLAQUE	3 MM THK ALUMINIUM SHEET BOX	2
3	FRP BOX	3 MM THK. FRP SHEET	1
4	DOUBLE SIDED ADHESIVE TAPE	3M VHB #4956 OR EQUIVALENT	-
5	CIRCULAR G.I. SHEET	2mm THK. G.I SHEET	1

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

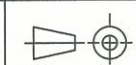
SIGNAGE SPECIFICATIONS  
 MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.  
 COLOUR:- AS SPECIFIED

NOTES  
 \* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**TRAFFIC SIGNS ON LAMP POST**



**1S-A3**

DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001 | SCALE :- 1:50

**TRAFFIC SIGN POLE FOR HIGH WAYS**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	C' CHANNEL 300 x 100 ISMC	1
2	HORIZONTAL POLE	C' CHANNEL 300 x 100 ISMC	1
3	CIRCULAR PANEL	3 MM THK ALUMINIUM SHEET	2
4	SUPPORT RING. SQ. PIPE	RING SQ. PIPE 30 x 30 3 MM (MS)	2
5	STIFFENER PLATE	8 MM THK. 200 SQ. PLATE	3
6	BASE PLATE	700 X 400 12 THK SS PLATE	1

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

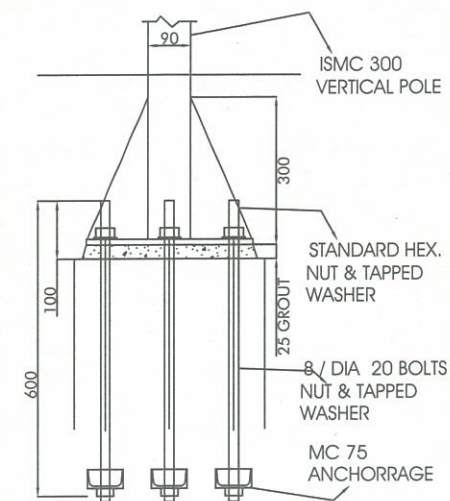
COLOUR:- AS SPECIFIED

NOTES

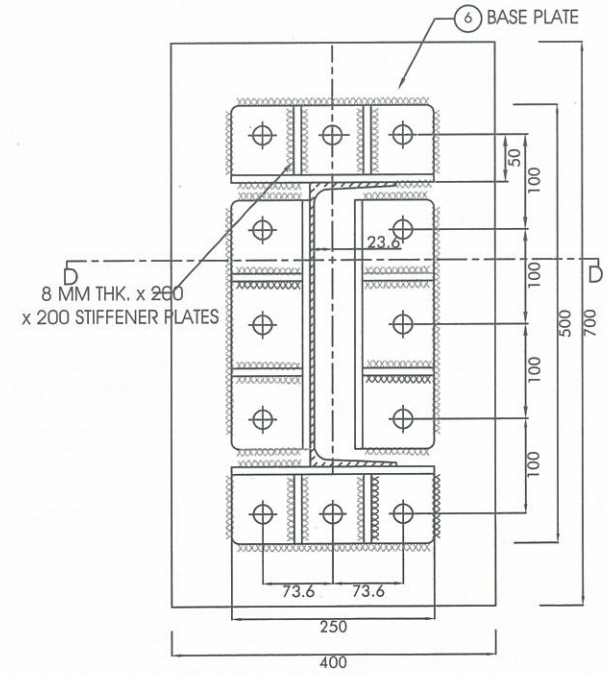
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

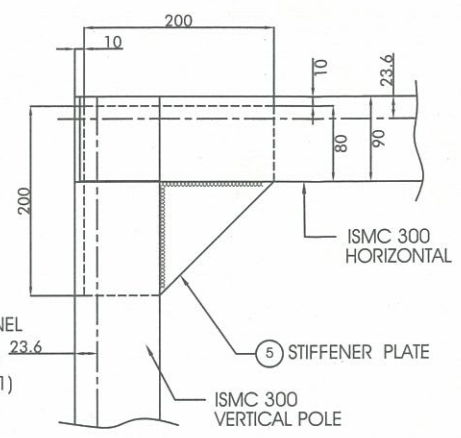
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.



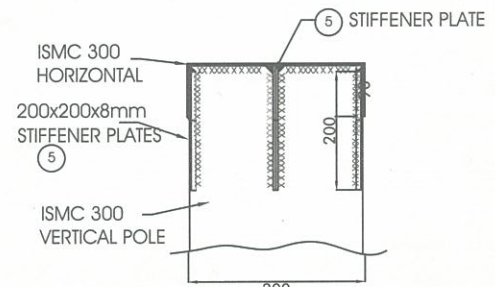
SECTION D-D  
SCALE 1 : 8



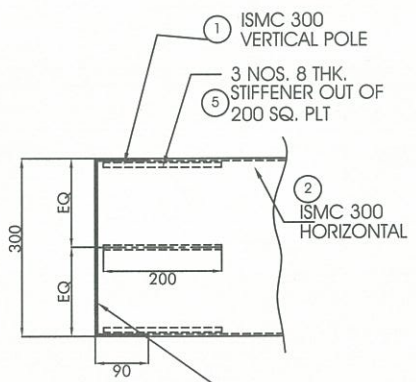
PLAN @ BASEPLATE  
SCALE 1 : 8



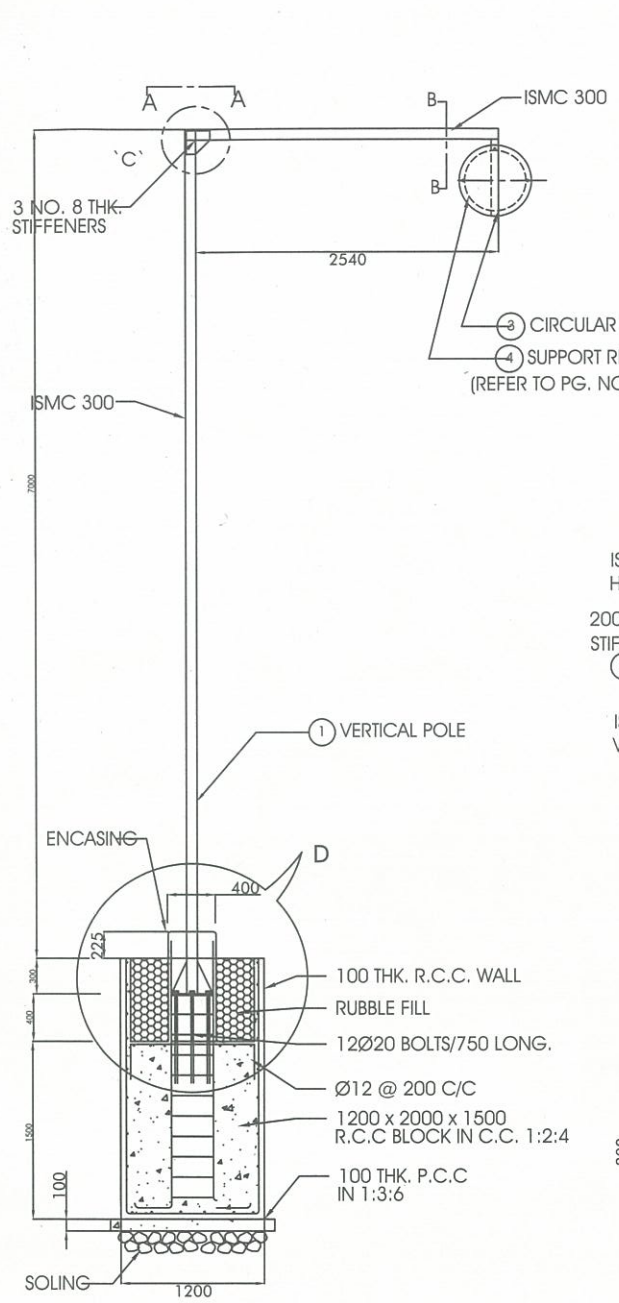
DETAIL 'C'



SECTION B-B

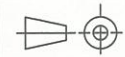


PLAN A-A



SECT. ELEVATION SINGLE CANTILEVER SIGN POLE

**TRAFFIC SIGN FOR HIGH WAYS : SINGLE CANTILEVER SIGN POLE**



**1S-D2**

DRG. NO.

**2** Signage  
system

**ROUTE  
IDENTIFICATION  
SIGNS**

---

**NAME BOARD FOR**

---

**A LOCAL STREET**

---

**B1 ARTERIAL ROAD:  
SINGLE SIDE  
CANTILEVER**

---

**B2 ARTERIAL ROAD:  
BOTH SIDE  
CANTILEVER**

---

**C1 HIGHWAY:  
SINGLE SIDE  
CANTILEVER**

---

**D SUB-ARTERIAL ROAD**

---

**E CHOWKS**

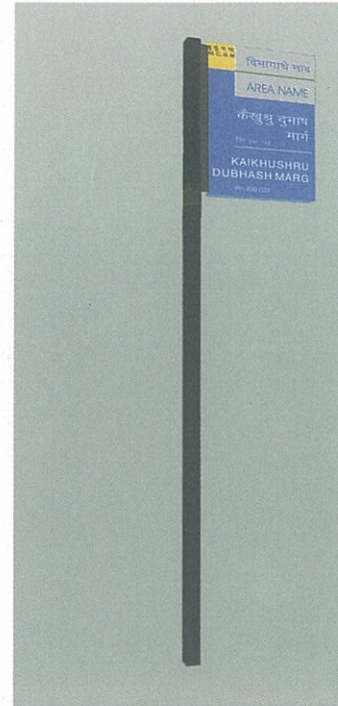
---

**F SIGN BOARD FOR  
WARD BOUNDARY**

---

**G SECTORS & TOWN  
PLANNING SCHEMES**

---



## NAME BOARDS AND STREET FINDERS

### DESIGN FEATURES OF THE SYSTEM:

Name board layout contains information about the road name with additional information about the Area name which can be suitably highlighted as shown in the drawing.

Both sides of the plaque should be used for giving information in two languages: Marathi and English.

Sizes , proportions and finishes specified in the drawings should be adhered to. In case of unavailability of the specifications, an equivalent material and process should be chosen with the prior approval of the MCGM.

### GUIDELINES FOR PLANNING AND PLACEMENTS :

Name boards for Highways , Arterial roads, Sub-Arterial roads, Collector's streets or Local Streets should be placed in the manner that enhances visibility and legibility.



CANTILEVER TYPE  
NAME BOARD for  
ARTERIAL ROADS

"T" TYPE  
CANTILEVERED  
NAME BOARD FOR  
ARTERIAL ROADS

LOCAL STREET  
NAME BOARD

COLOUR CODE

BLUE & WHITE : ROAD NAME  
GREY & BLACK : AREA NAME  
YELLOW & BLACK : M.C.G.M.

**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

**Traffic Signs**

**Route  
Identification  
Signs**

**ROAD NAME  
BOARDS**

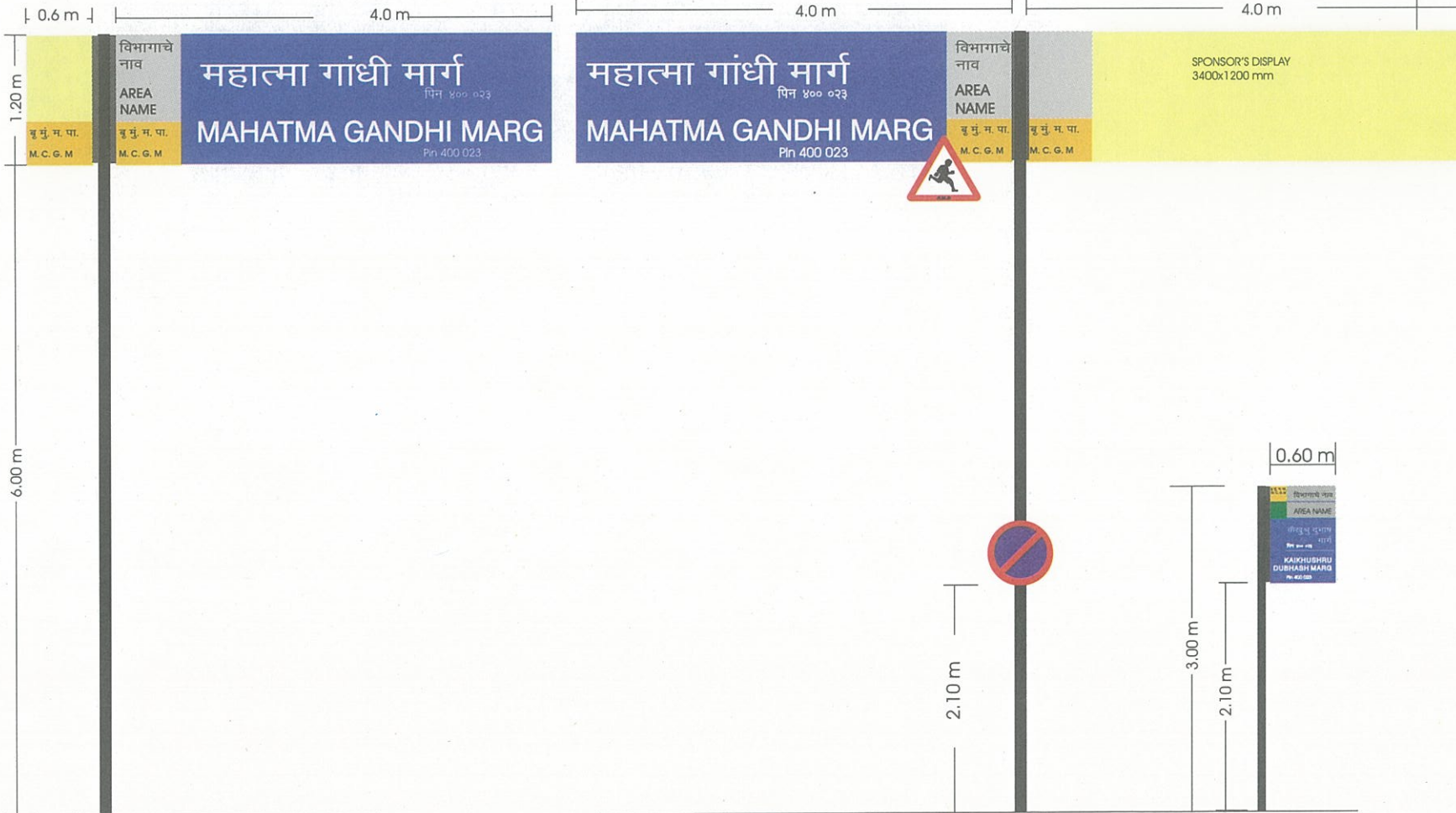
**NAME BOARDS**

COLOUR CODE

ROAD NAME :  
BLUE & WHITE

AREA NAME  
GREY & BLACK

M.C.G.M. LOGO  
YELLOW & BLACK



2S - B1  
SINGLE CANTILEVERED NAME BOARD FOR  
ARTERIAL ROAD.

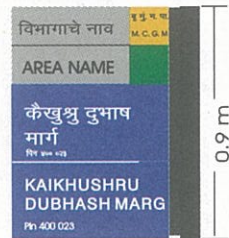
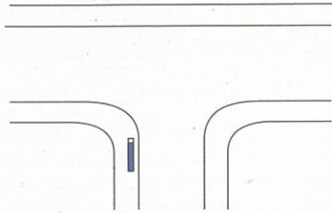
2S - B2  
"T" TYPE CANTILEVERED NAME BOARD FOR  
ARTERIAL ROAD.

2S - A1  
LOCAL STREET NAME BOARD.

## NAME BOARD for Local Streets

### LOCATION

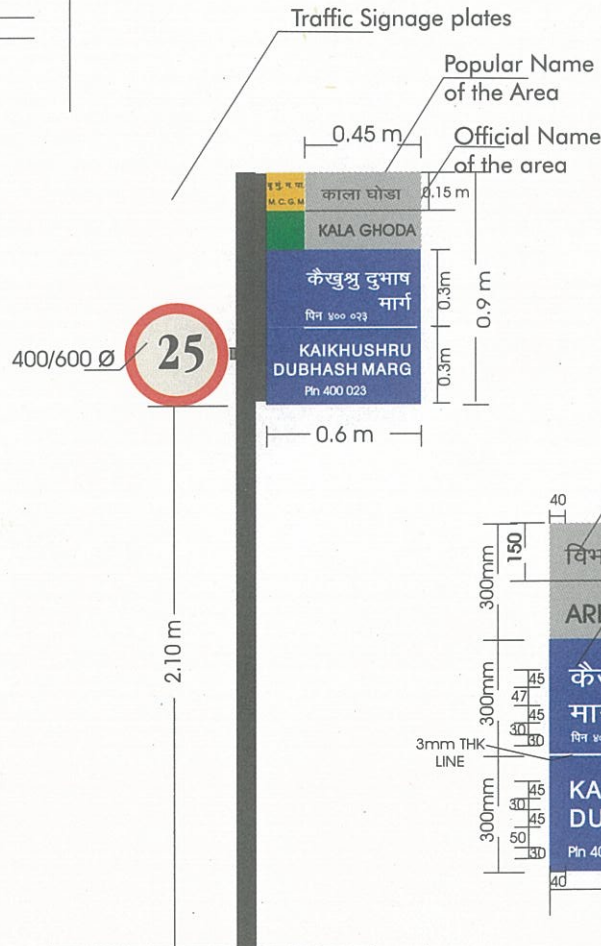
- 1 Should be placed at the corner of the lane.
- 2 Should be placed parallel to the road



2S - A  
NAME BOARD FOR LOCAL STREET.

## STREET NAME BOARD for Local Streets

WITH INTEGRATED TRAFFIC SIGNS



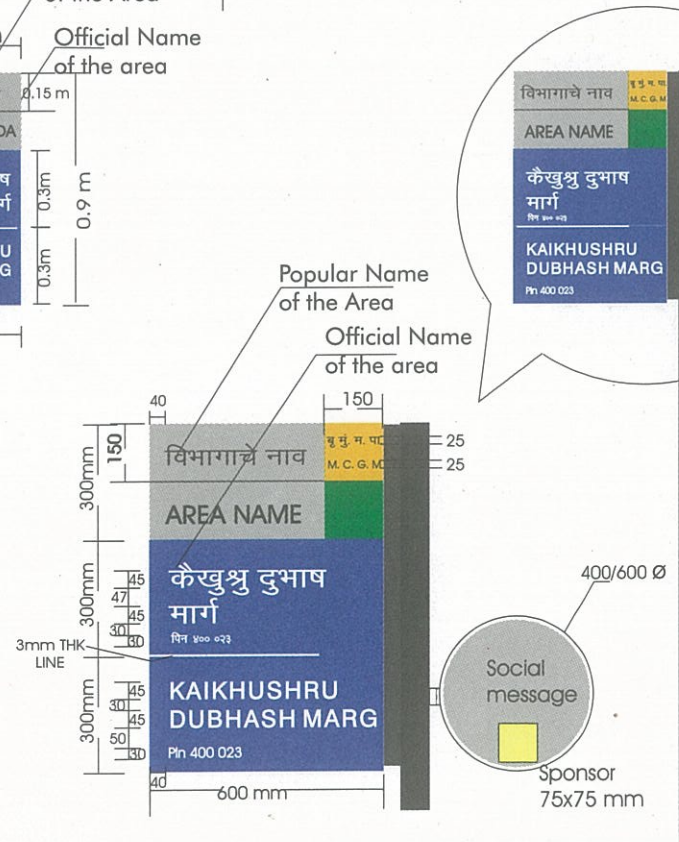
NAME BOARD COMBINED WITH TRAFFIC SIGNS

## STREET NAME BOARD for Local Streets

The rear side of the TRAFFIC SIGNS plaque will contain sponsors' logo & social message.

### COLOUR CODE

BLUE & WHITE : ROAD NAME  
GREY & BLACK : AREA NAME  
YELLOW & BLACK : M.C.G.M. LOGO



REAR SIDE OF THE SIGN BOARD WILL HAVE SOCIAL MESSAGE & SPONSOR'S LOGO

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

### Traffic Signs

## Route Identification Signs

## A NAME BOARD FOR LOCAL STREET

### SIGNAGE SPECIFICATIONS

Vinyl stickers

**Colours** as specified  
Grey 20% black  
Blue C93 M53 Y4 K0  
Green Indian green IS no 284  
Yellow Yellow-ochre

**Letters White & Black**

**Fonts :**

English : **Helvetica**

Marathi : **Yogesh**

With normal spacing

### HEIGHTS for ROAD NAME

दहिसर	45 mm
DAHISAR	45 mm

### HEIGHTS for AREA NAME

दहिसर	35 mm
DAHISAR	35 mm

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

**Cantilevered name board for Arterial road : front side**

Name board for arterial road will be of cantilever type with the name of the road. In addition it will also contain the 'popular name of the area' both in Marathi & English. The pole could also bear mandatory or cautionary traffic signs wherever possible.

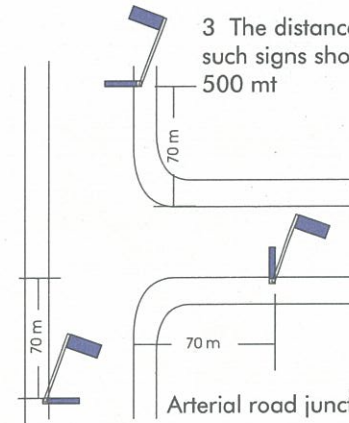
**Cantilevered name board for Arterial road : Rear side**

**LOCATION**

1 Should be placed on the pavements

2 Should be perpendicular to the road

3 The distance between two such signs should be min 500 mt



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**Traffic Signs**

**Route Identification Signs**

**B1 NAME BOARD FOR ARTERIAL ROAD: SINGLE SIDE CANTILEVER**

**SIGNAGE SPECIFICATIONS**

High intensity grade Retro Reflective Film  
**Colours** as specified  
 Grey indicates background colour  
 Green Indian green IS no 284  
 Blue French blue IS no 166  
 Yellow Yellow-ochre

**Letters White & Black**  
**Fonts :**

English : **Helvetica**  
 Marathi : **Yogesh**  
 With normal spacing

**LETTER HEIGHTS**

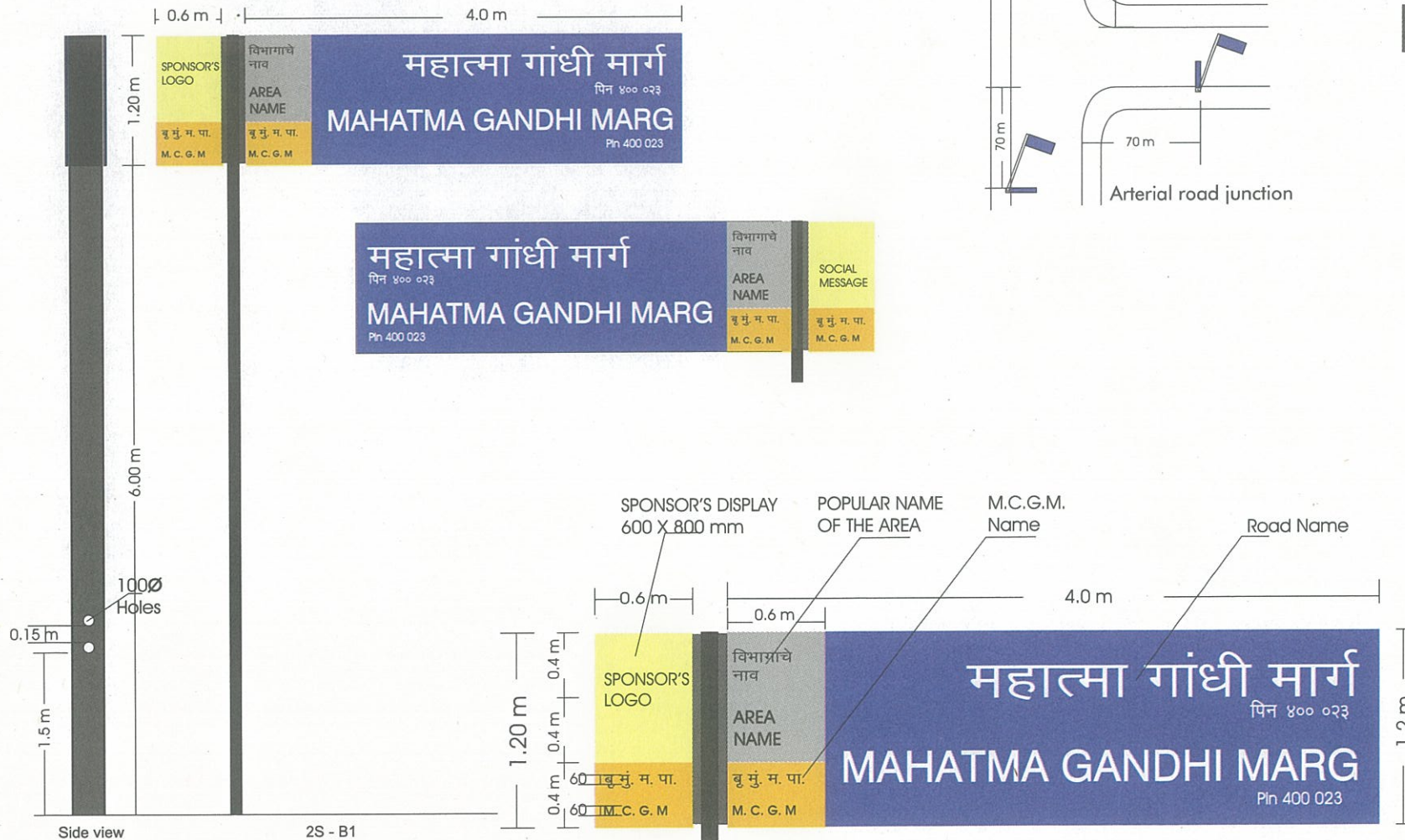
**For ROAD NAME**



**for popular AREA NAME**



DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS



**'T' type Cantilevered name board for Arterial road :**

'T' type cantilevered name board should be placed on centre median. One side displays the name of the road while the other has place for the sponsor's display. The top portion displays the popular Name of the area both in Marathi & English. The pole will also bear the mandatory & cautionary traffic signs.

**COLOUR CODE**

BLUE & WHITE : ROAD NAME  
 GREY & BLUE : AREA NAME  
 YELLOW & BLACK : M.C.G.M. LOGO

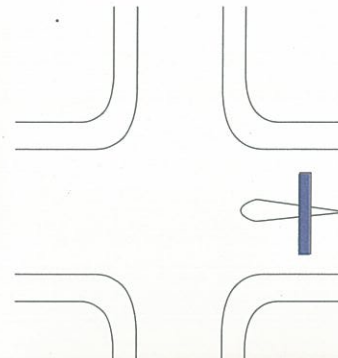
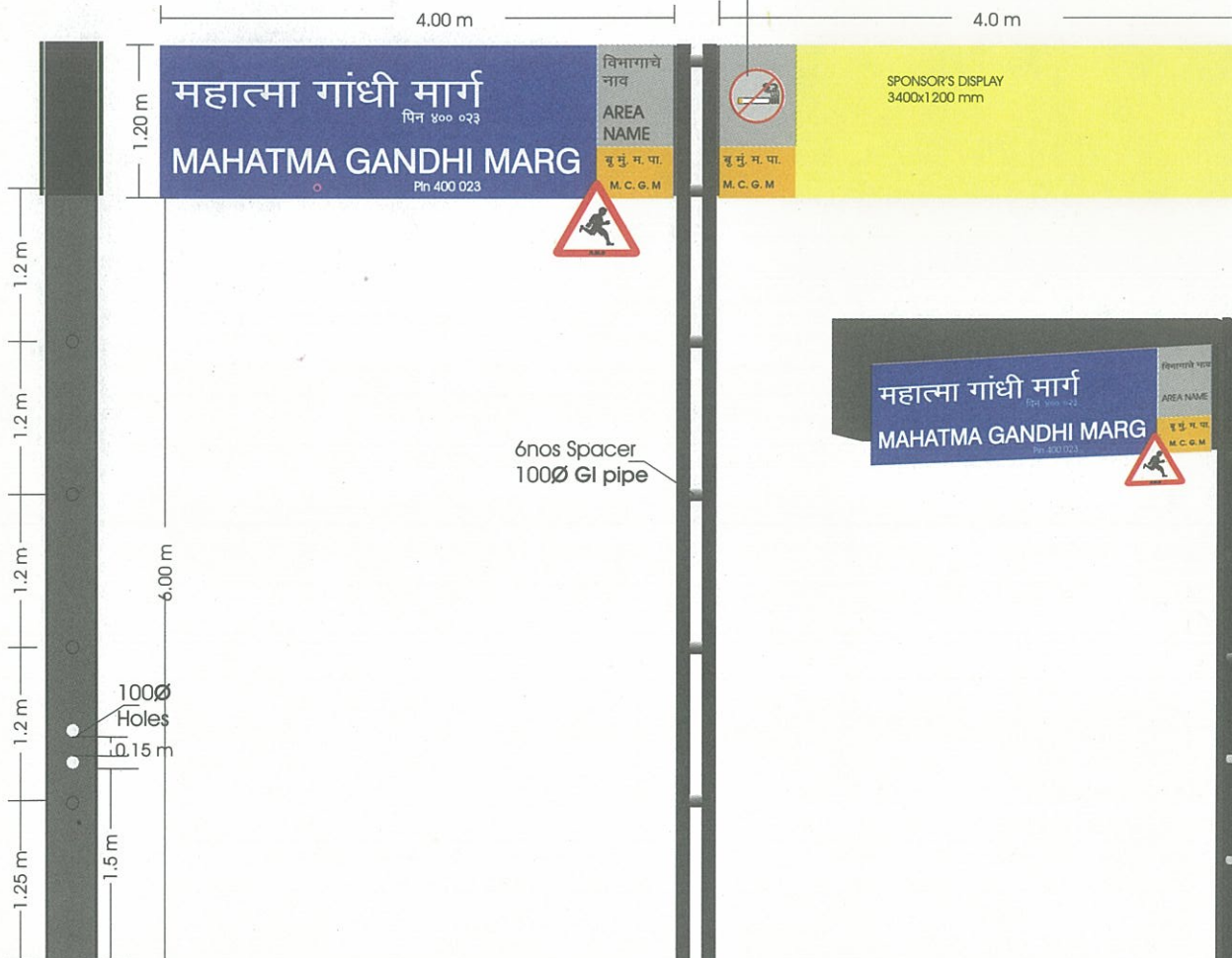
**LOCATION**

1 To be located on central barriers & at all main junctions.

2 Otherwise the distance between the two such signs should be min 500 mts.

3 Should be perpendicular to the road

**SOCIAL MESSAGE (SYMBOLS)**



**SIGNAGE**

**FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**Traffic Signs**

**Route Identification Signs**

**B2 NAME BOARD FOR ARTERIAL ROAD: 'T' TYPE BOTH SIDE CANTILEVER**

**SIGNAGE SPECIFICATIONS**

High intensity grade Retro Reflective Film  
 Colours as specified  
 Grey indicates background colour  
 Green Indian green IS no 284  
 Blue French blue IS no 166  
 Yellow Yellow-ochre

**Letters White & Black**

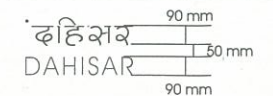
English : Helvetica  
 Marathi : Yogesh  
 With normal spacing

**LETTER HEIGHTS**

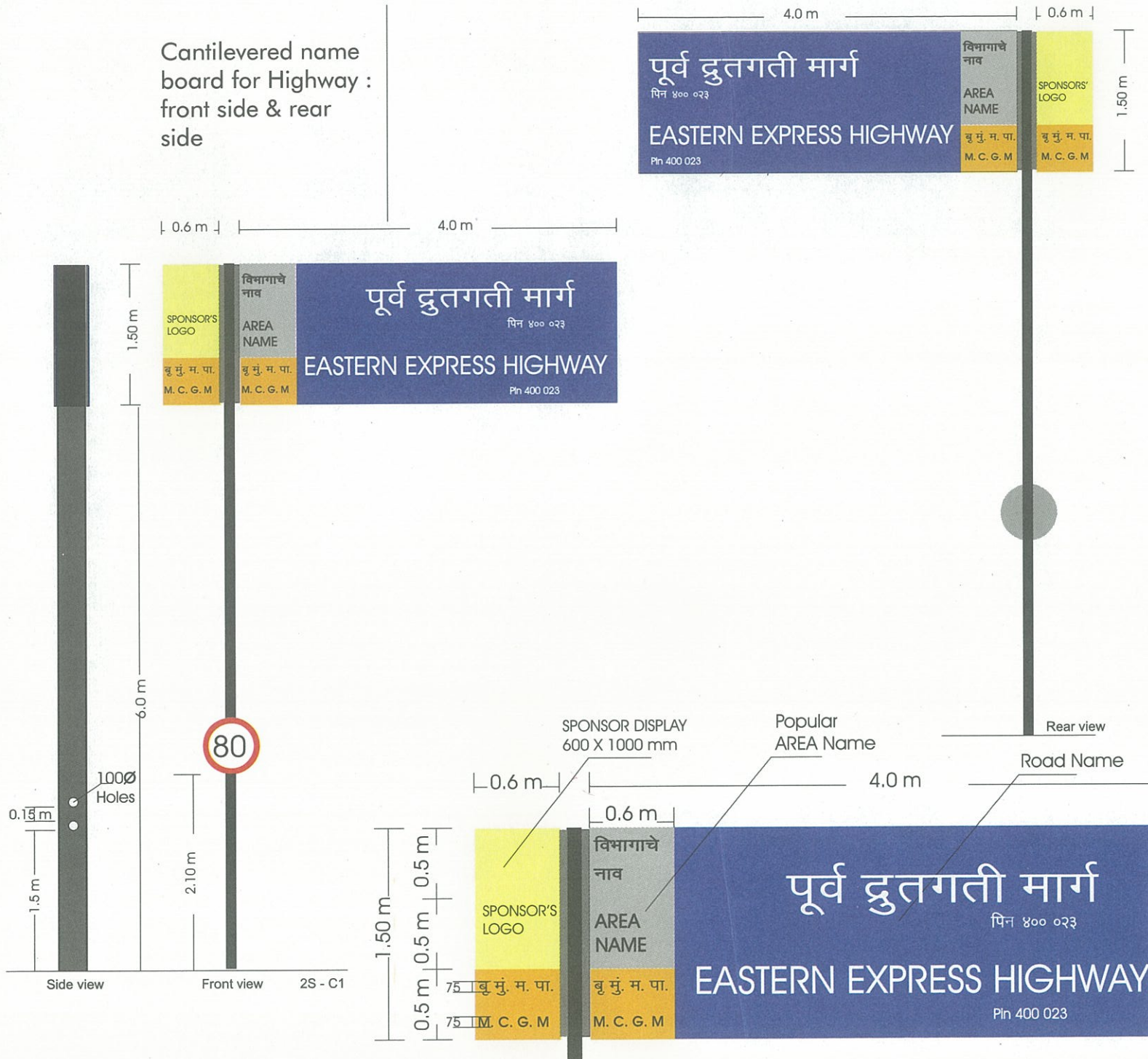
**For ROAD NAME**



**For Popular AREA NAME**



Cantilevered name board for Highway : front side & rear side



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**Traffic Signs**

**Route Identification Signs**

**C1 NAME BOARD FOR HIGHWAY: SINGLE SIDE CANTILEVER**

**SIGNAGE SPECIFICATIONS**  
 High intensity grade Retro Reflective Film  
**Colours** as specified  
 Grey indicates background colour  
 Green Indian green IS no 284  
 Blue French blue IS no 166  
 Yellow Yellow-ochre  
**Letters White & Black**  
**Fonts :**  
 English : **Helvetica**  
 Marathi : **Yogesh**  
 With normal spacing

**LETTER HEIGHTS For ROAD NAME**



**for popular AREA NAME**



DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

## NAME BOARD AT JUNCTIONS

BOARD DISPLAYING THE NAME OF THE ROAD SHOULD BE PLACED AT EACH JUNCTION.

## DETAILS

## LOCATION

1 Should be placed parallel to the direction of the pavement.

2 Should be placed at junction, mainly on Sub -arterial road.

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## Traffic Signs

## Route Identification Signs

## D NAME BOARD FOR SUB-ARTERIAL ROAD JUNCTIONS

### SIGNAGE SPECIFICATIONS

High intensity grade  
Retro Reflective Film  
Colours as specified  
Grey indicates background colour  
Green Indian green IS no 284  
Blue French blue IS no 166  
Yellow Yellow-ochre

### Letters White & Black

#### Fonts :

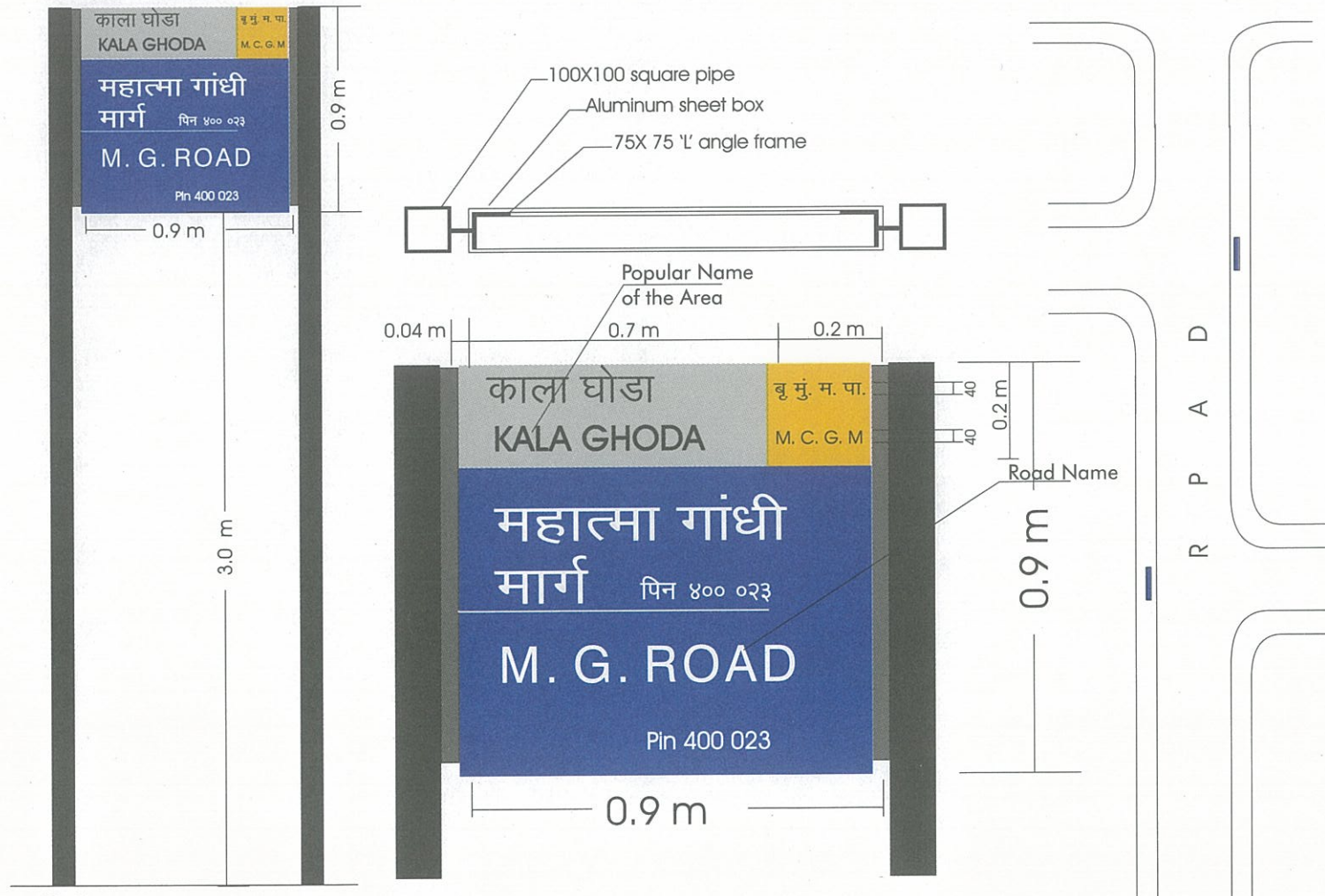
English : **Helvetica**  
Marathi : **Yogesh**  
With normal spacing

### HEIGHTS for ROAD NAME

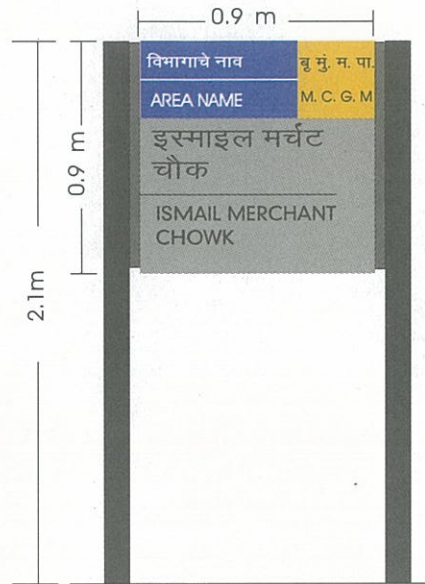
दहिसर 80 mm  
DAHISAR 80 mm

### HEIGHTS for AREA NAME

दहिसर 60 mm  
DAHISAR 60 mm

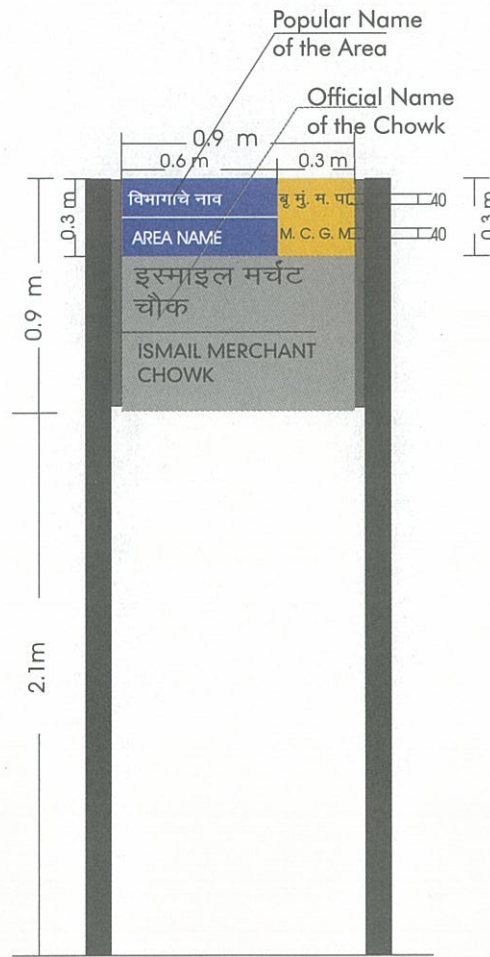


### OPTION 1



2S - E1  
CHOWK NAME BOARD

### Option 2

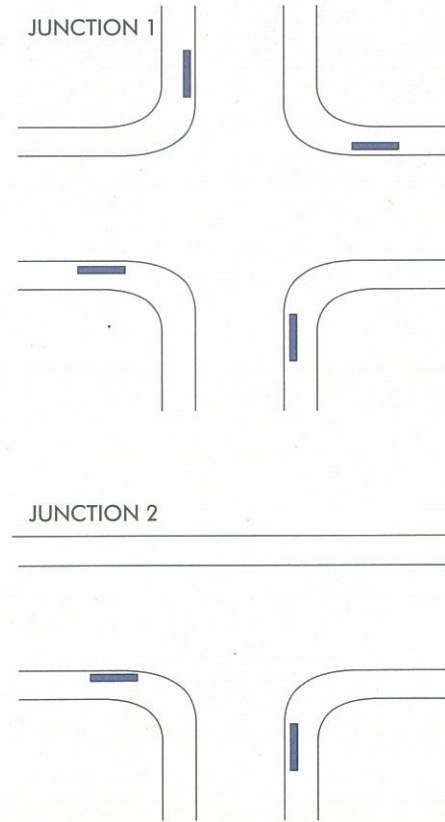


2S - E2

### LOCATION

1 To be located on pavement at junctions or chowks.

2 To be placed parallel to the road.



### SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

### Traffic Signs

### Route Identification Signs

### CHOWK NAME BOARD

### SIGNAGE SPECIFICATIONS

Wire finished  
Stainless steel panels etched & painted

### Colours as specified

Grey  
Green Indian green IS no 284  
Blue French blue IS no 166  
Yellow Yellow-ochre

**Fonts :**  
English : **Helvetica**  
Marathi : **Yogesh**  
With normal spacing

### HEIGHTS for CHOWK NAME

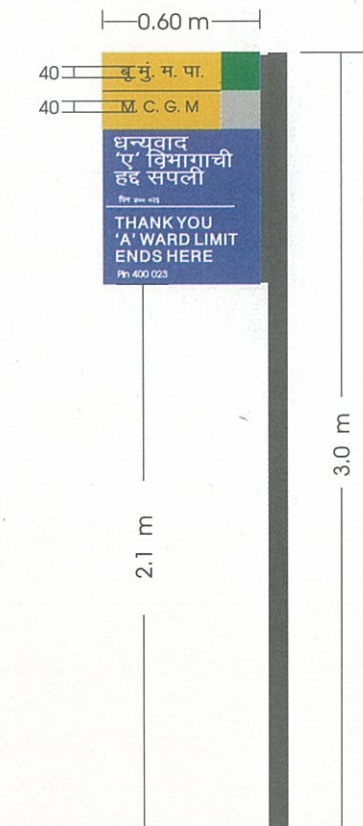


### HEIGHTS for AREA NAME



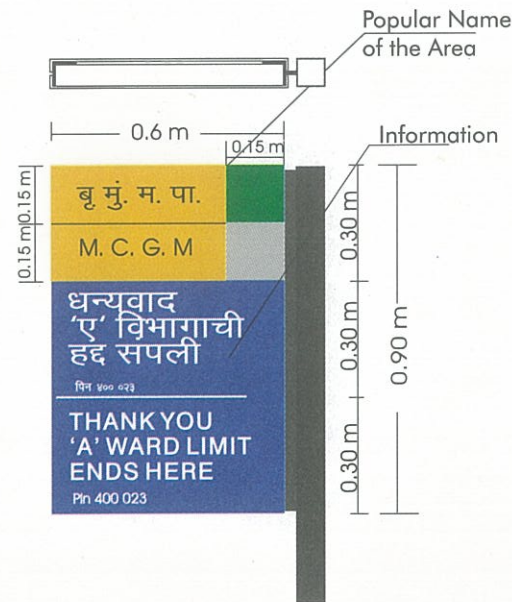
DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

## BOARD AT THE END OF WARD BOUNDARY



2S - F  
BOARD AT THE END OF WARD BOUNDARY &  
NEW WARD BEGINNING

## DETAILS

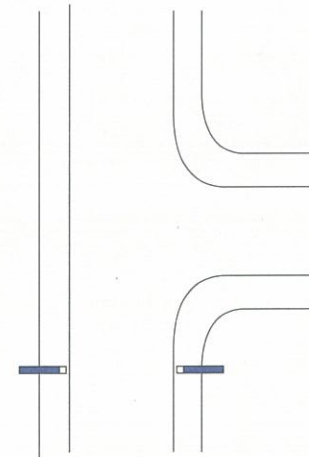


## LOCATION

1 Should be located on pavement at the end of the ward limit.

2 Should be placed perpendicular to the road.

3 Should be placed on both sides of the road



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

## Traffic Signs

## Route Identification Signs

## F BOARD FOR WARD BOUNDARY

## SIGNAGE SPECIFICATIONS

Vinyl stickers

## Colours as specified

Grey 20% black  
Blue C93 M53 Y 4 K0  
Green C91 M42 Y97 K9  
Yellow C0 M20 Y100 K0

## Letters White & Black

## Fonts :

English : Helvetica

Marathi : Yogesh

With normal spacing

## HEIGHTS for ROAD NAME

45 mm  
दहिसर  
DAHISAR  
45 mm

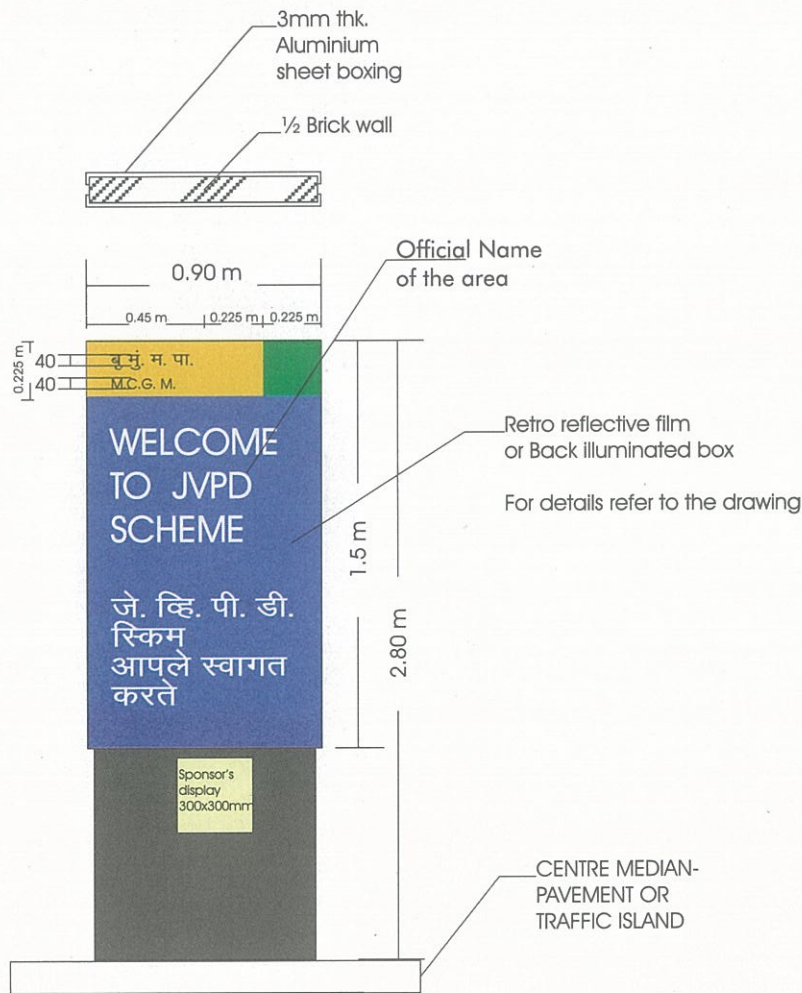
## HEIGHTS for MCGM NAME

40 mm  
दहिसर  
DAHISAR  
40 mm

DESIGNS BY  
A & A DESIGN ASSOCIATES  
ARCHITECTS & INDUSTRIAL DESIGNERS



Name board for Sectors & Town planning schemes

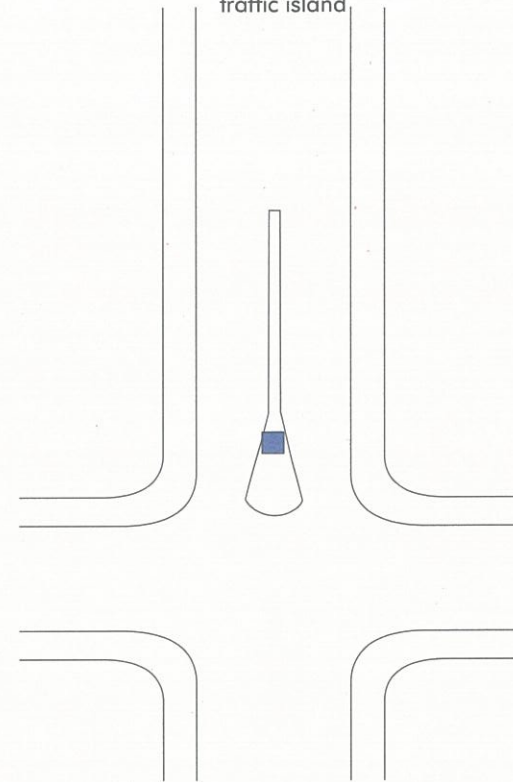


2S - G  
STREET FINDER

## LOCATION

1 Should be placed perpendicular to the road.

2 Should be placed on the centre median or on the traffic island



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## Traffic Signs

## Route Identification Signs

## G NAME BOARD FOR SECTORS & TOWN PLANNING SCHEMES

### SIGNAGE SPECIFICATIONS

High intensity grade  
Retro Reflective Film

Colours as specified

Grey indicates background colour  
Green Indian green IS no 284

Blue French blue IS no 166

Yellow Yellow-ochre

Letters White & Black

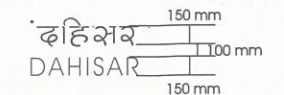
Fonts :

English : Helvetica

Marathi : Yogesh

With normal spacing

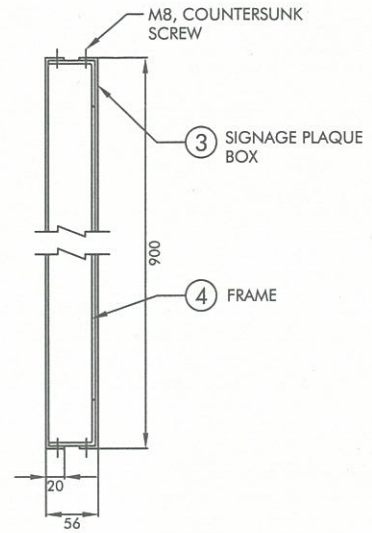
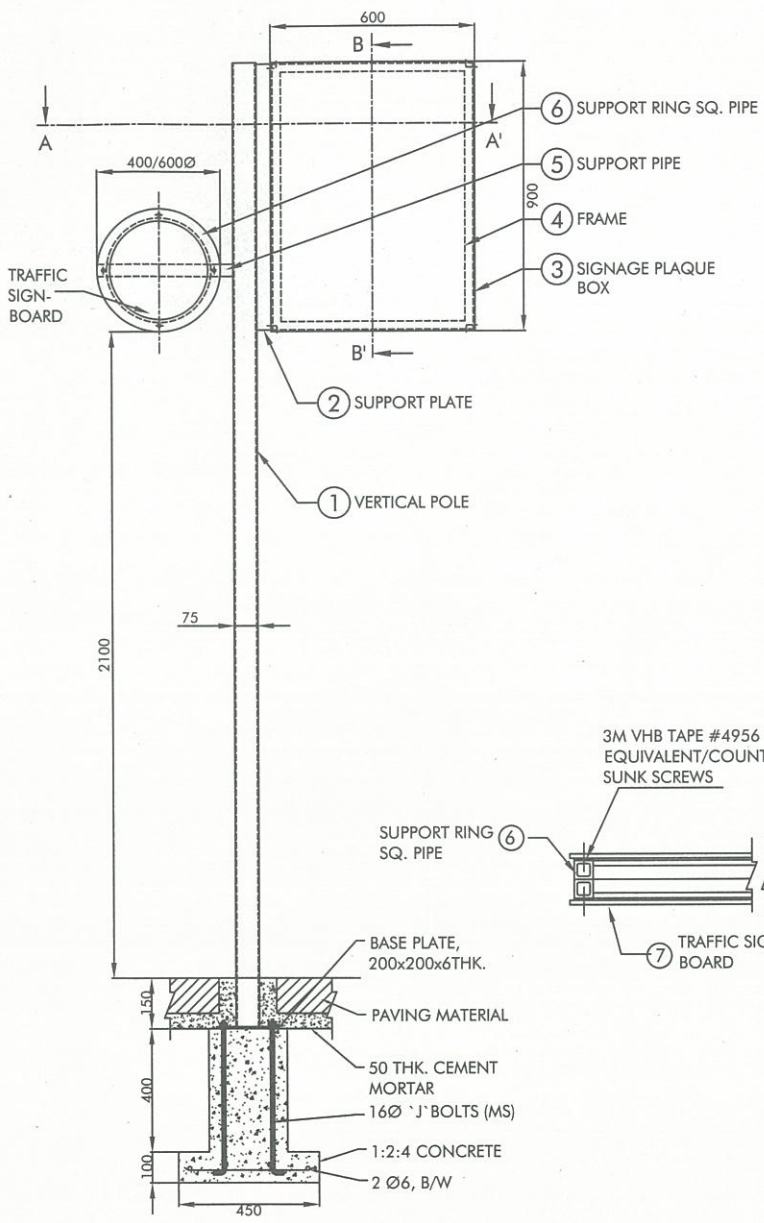
### HEIGHTS for ROAD NAME



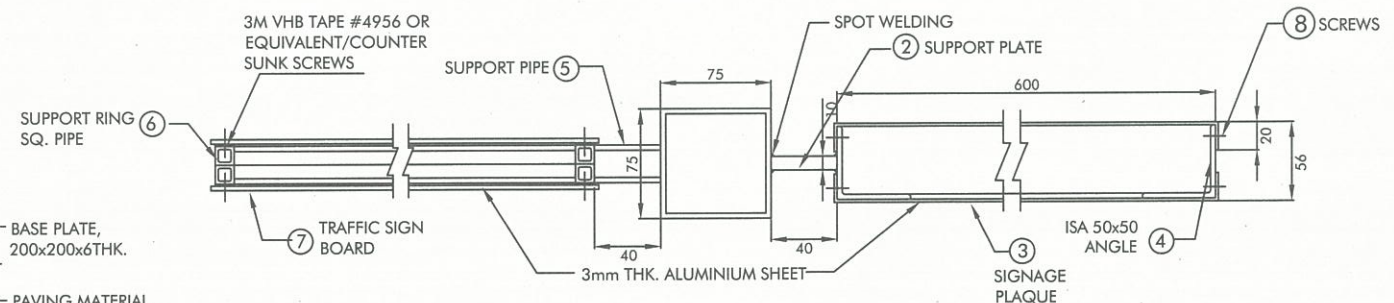
### HEIGHTS for MCGM NAME



DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS



SECTION BB'



SECTION AA'  
SCALE - 1:5

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**ROUTE IDENTIFICATION SIGNS LOCAL STREET NAME BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	SQ. PIPE 75 x 75 3.5 MM THK (MS)	1
2	SUPPORT PLATE	10 x 40 PLATE (MS)	1
3	SIGNAGE PLAQUE OR (BOX)	3 MM THK. ALUMINIUM SHEET BOX	2
4	FRAME ANGLE	ISA 50x50 50 x 50 x 6MM THK.	1
5	SUPPORT PIPE	50x50x3 THK (MS)	2
6	SUPPORT RING SQ. PIPE	SQ. PIPE 25x25 3MM (MS)	4
7	TRAFFIC SIGNBOARD	AL. SHEET	4
8	SCREWS COUNTERSUNK	M8	32

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS SECTION 'C' OR 'I' ETC. STRUCTURAL SECTION SQUARE PIPES & CIRCULAR PIPES

AD. PLATE: ALUMINIUM SHEET

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHANE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK ALUMINIUM BOX WHITE

SIGNAGE SPECIFICATIONS

MATL:- HIGH RETRO-REFLECTIVE ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

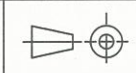
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGH BUILD POLYURETHANE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**LOCAL STREET NAME BOARD**

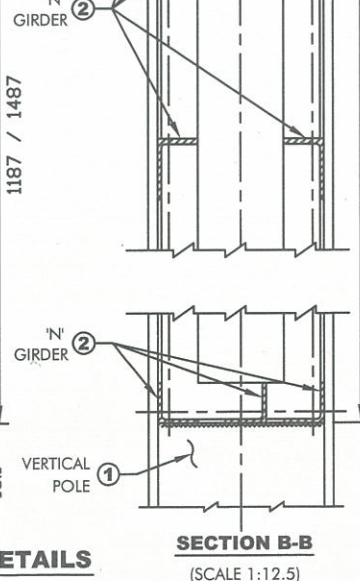
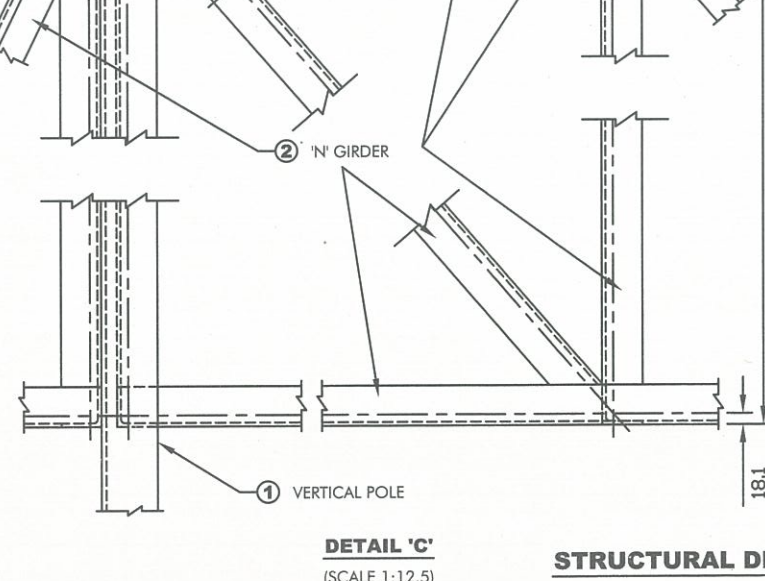
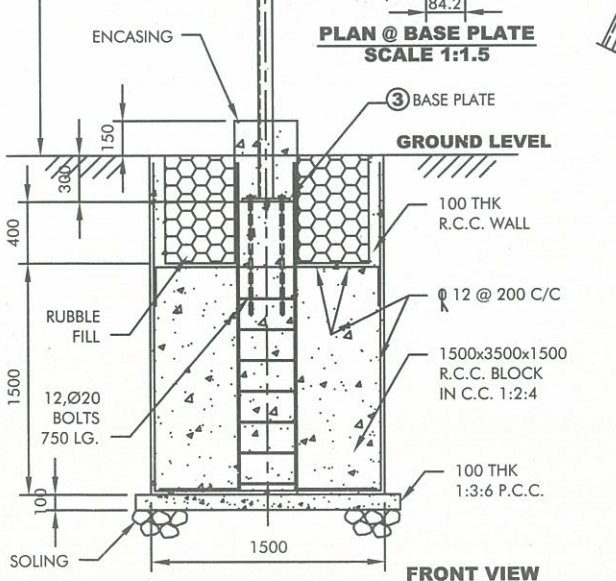
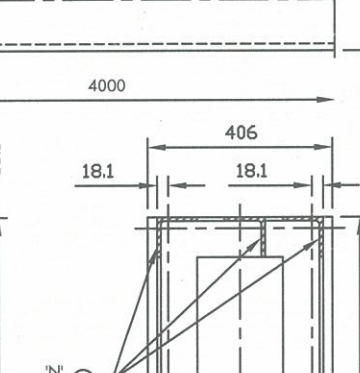
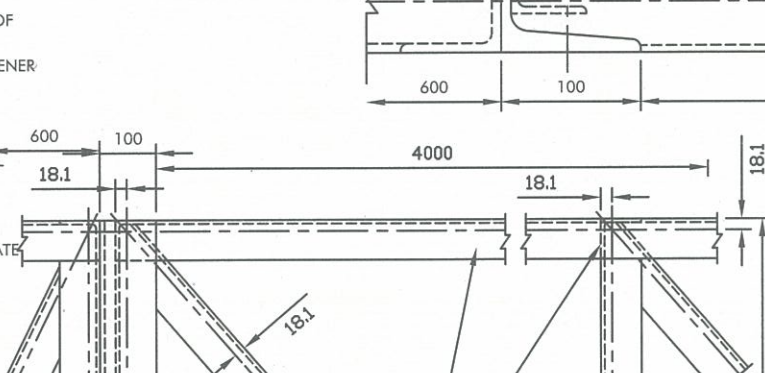
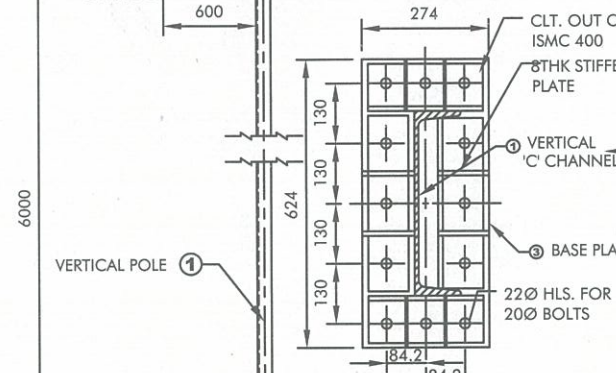
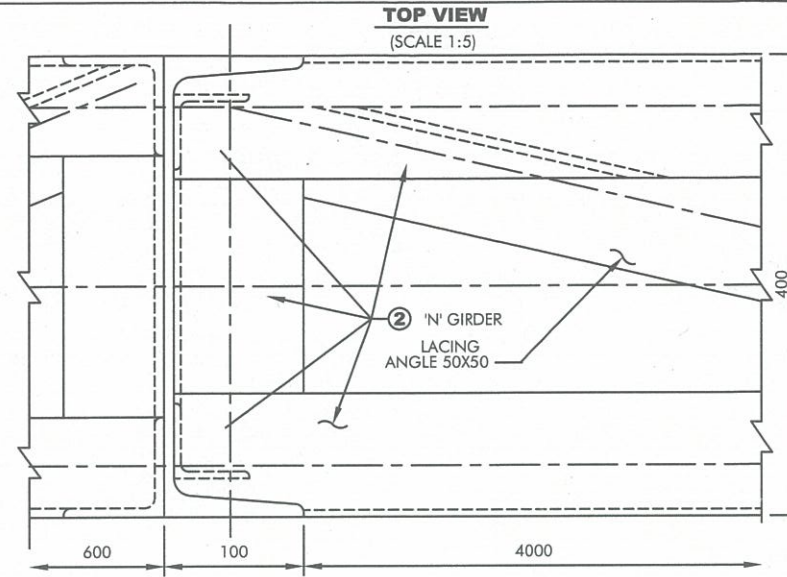
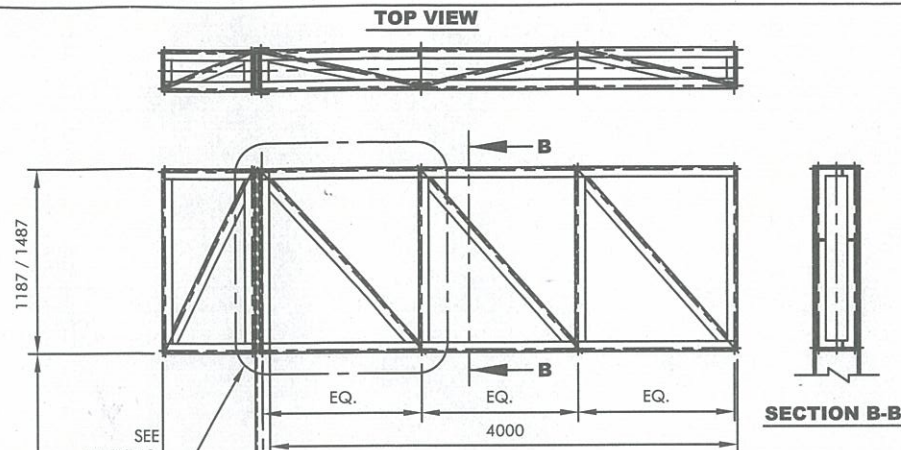


**2S-A-1**

DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001 SCALE:- 1:25 **34**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**ROUTE IDENTIFICATION SIGNS**  
**SINGLE SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL C' CHANNEL	ISMC 400 400X100	1
2	'N' GIRDER 'L' ANGLE	ISA 65x65	-
3	BASE PLATE	625 x 275 x 12 THK (MS)	1

ROAD TYPE	SIZE OF THE NAME BOARD PANEL
ARTERIAL ROAD	1200 X 4000mm
HIGHWAY	1500 X 4000mm

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT POLYURETHANE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS  
 MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

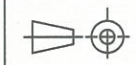
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANIZED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGH BUILD POLYURETHANE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**ARTERIAL ROAD & HIGHWAY NAME BOARD - SINGLE SIDE CANTILEVER**

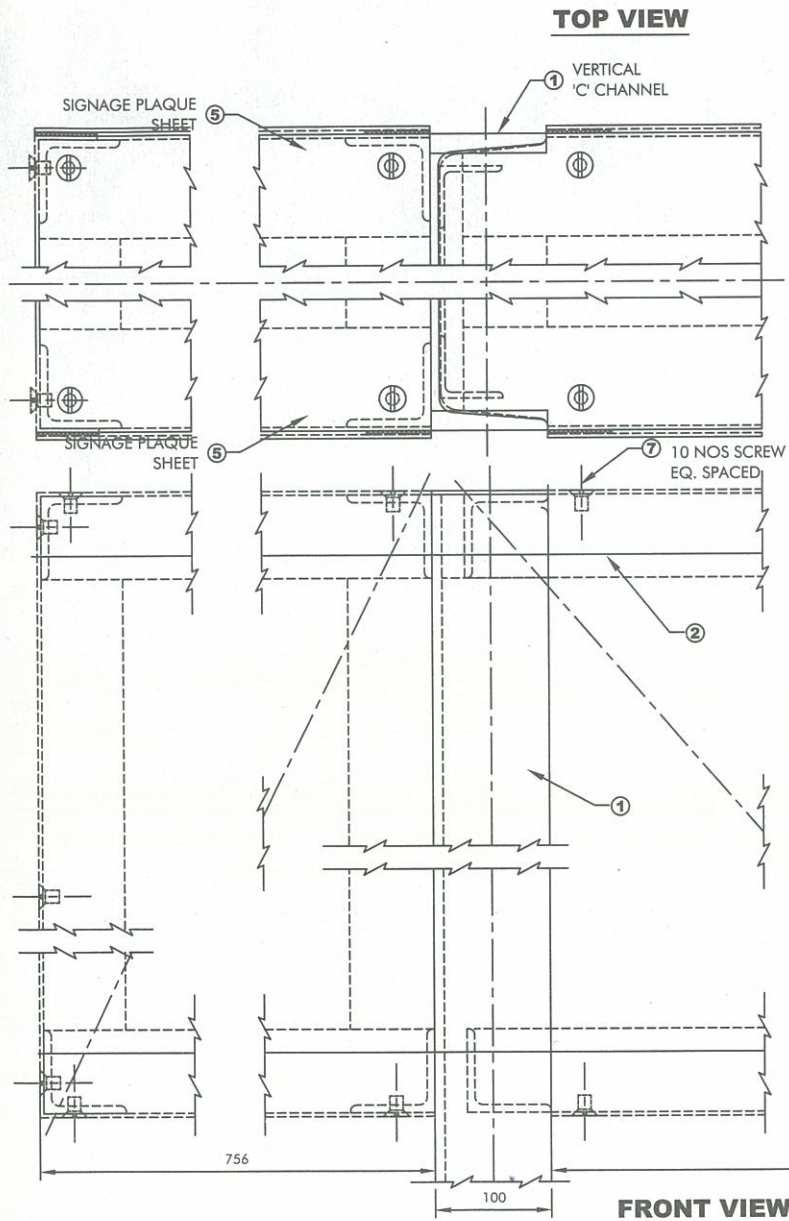


**2S-B1.1**

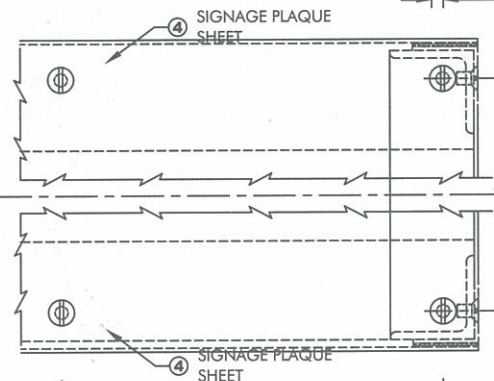
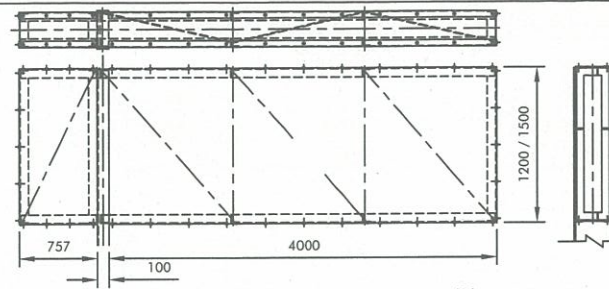
DRG. NO.

DATE :- 31-10-2001

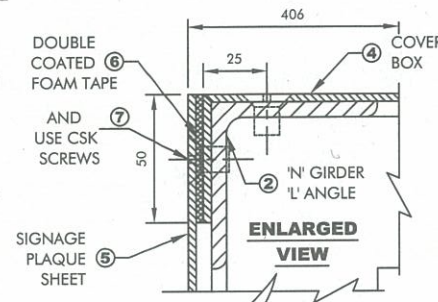
SCALE 1 : 50



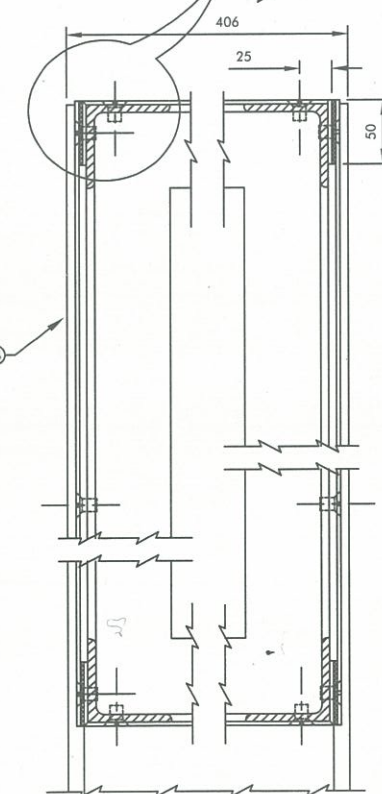
**FRONT VIEW**



**SIGN PLAQUE ASSEMBLY OPTION-1**



**SIDE VIEW**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**ROUTE IDENTIFICATION SIGNS SINGLE SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 300 7500 LG.	1
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	BASE PLATE	525 x 275 x 12 THK (MS)	1
4	COVER BOX AT TOP & BOTTOM	3 MM THK ALUMINIUM SHEET	2
5	SIGNAGE PLAQUE SHEET	4 MM THK ALUMINIUM SHEET	4
6	DOUBLE COATED ACRY. FOAM TAPE	3M VHB # 4956 OR EQUIVALENT	-
7	COUNTER SUNK SCREW	M10 x 16 LG	-

STRUCTURAL SPECIFICATIONS

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH  
ENAMEL PAINT  
POLYURETHENE PAINT  
OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON  
3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

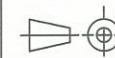
NOTES

\* INDICATES SHARP CORNER.  
UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGH BUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**ARTERIAL ROAD & HIGHWAY NAME BOARD - SINGLE SIDE CANTILEVER**



**2S-B1.2**

DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 31-10-2001

SCALE 1 : 6

36

**ROUTE IDENTIFICATION SIGNS  
 SINGLE SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 400	1
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	BASE PLATE	625 x 275 x 12 THK (MS)	1
4	SIGNAGE PLAQUE BOX	3 MM THK ALUMINIUM SHEET	2
5	SIGNAGE PLAQUE BOX	3 MM THK ALUMINIUM SHEET	2
6	COVER PLATE	3 MM THK ALUMINIUM SHEET	2
7	COUNTER SUNK SCREW	M10 x 16 LG	-

**STRUCTURAL SPECIFICATIONS**

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

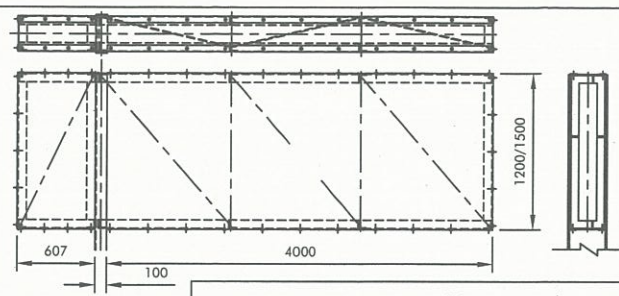
COLOUR:- AS SPECIFIED

**NOTES**

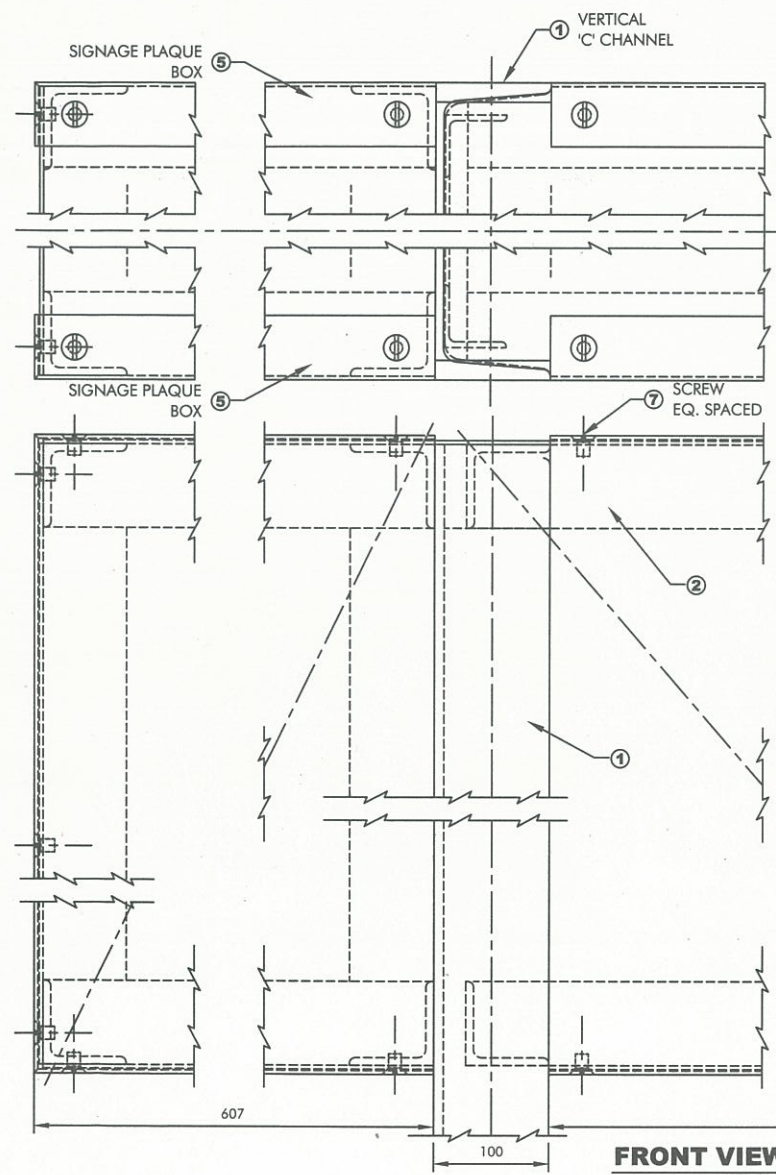
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGH BUILD POLYURETHENE PRIMER & PAINTED

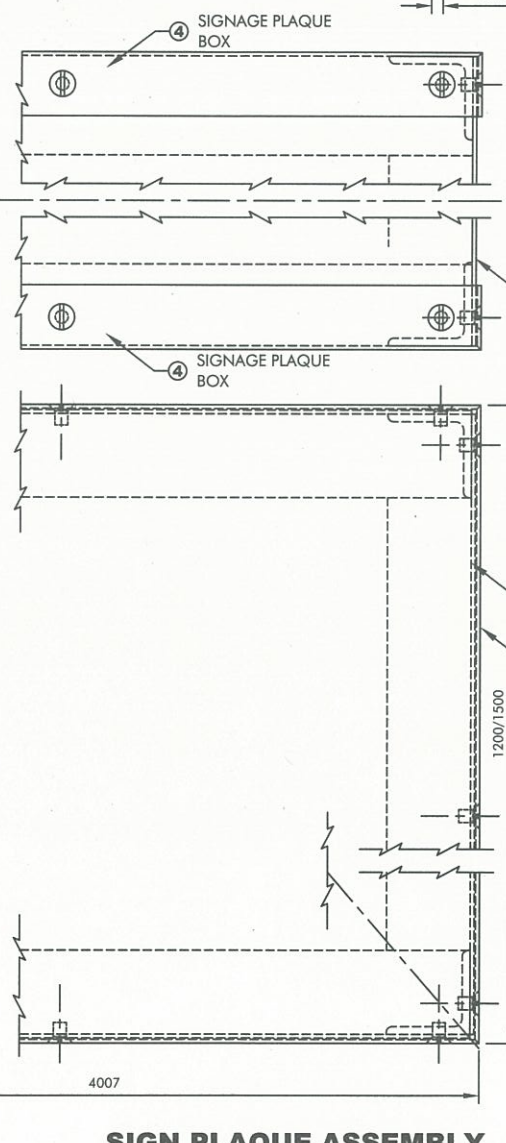
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.



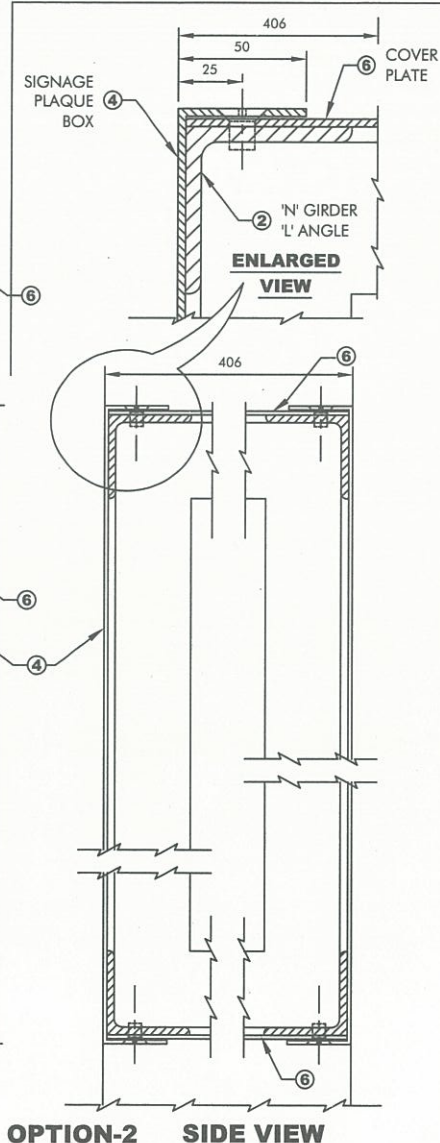
**TOP VIEW**



**FRONT VIEW**

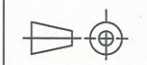


**SIGN PLAQUE ASSEMBLY OPTION-2**



**ENLARGED VIEW**

**ARTERIAL ROAD & HIGHWAY NAME BOARD - SINGLE SIDE CANTILEVER**

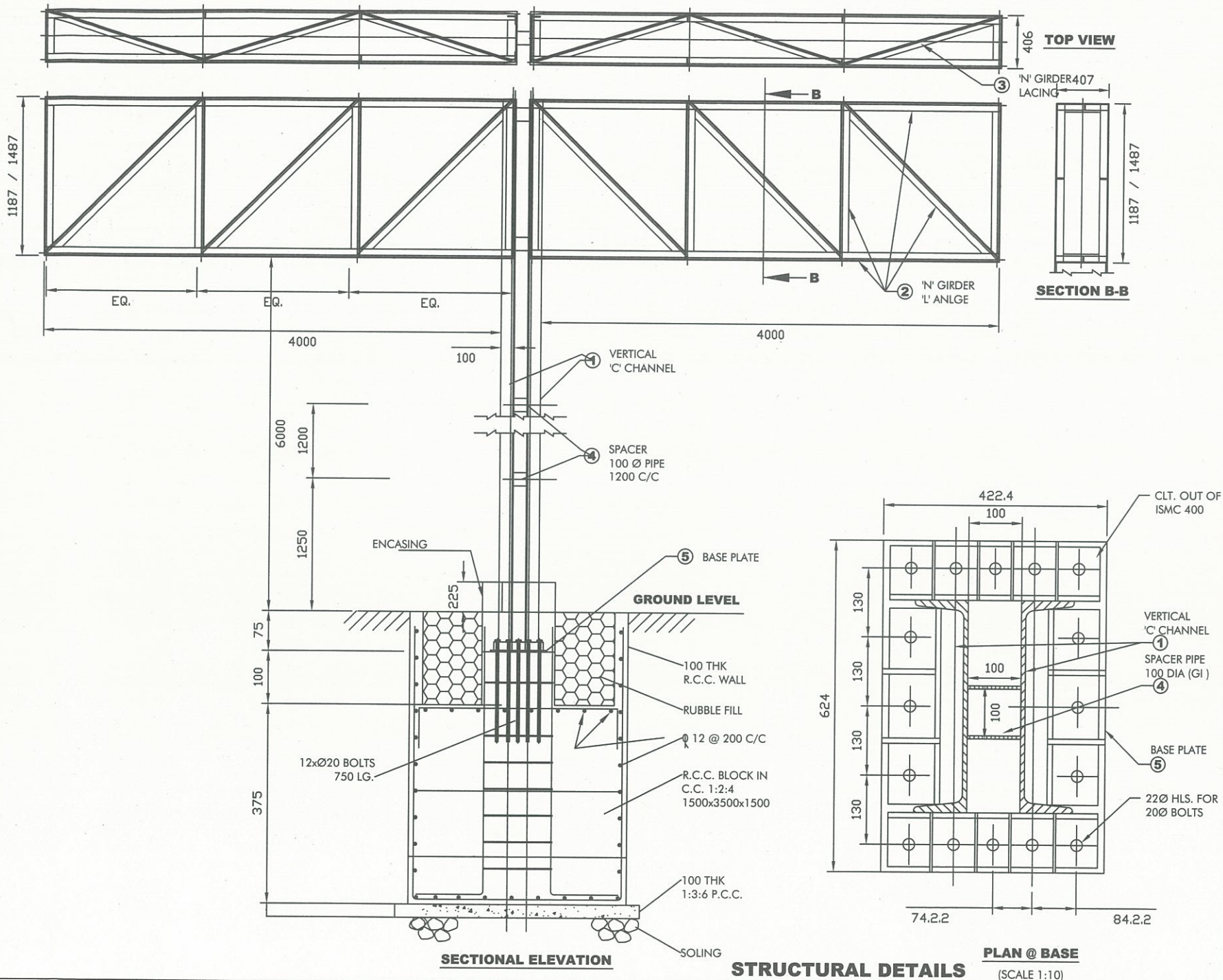


**2S-B1.3**

DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 31-10-2001 SCALE 1 : 6 **37**



**SIGNAGE FOR MUMBAI & ITS SUBURB**

M.C.G.M. & the committee for MUMBAI'S INITIATIVE FOR PROTECTION & IMPROVEMENT OF STREETS AND PUBLIC SPACES

**ROUTE IDENTIFICATION SIGN BOTH SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QT
1	VERTICAL 'C' CHANNEL	ISMC 400	2
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	'N' GIRDER LACING, 'L' ANGLE	ISA 50	-
4	SPACER PIPE	100 DIA PIPE 6 THK (GI) 100 HT.	6
5	BASE PLATE	625 x 425 12 THK (MS)	-

ROAD TYPE	SIZE OF THE NAME BOARD PANEL
ARTERIAL ROAD	900 X 2400mm 1200 X 2400mm
HIGHWAY	1200 X 3000mm

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS  
 MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.  
 COLOUR:- AS SPECIFIED

NOTES  
 \* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 µ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

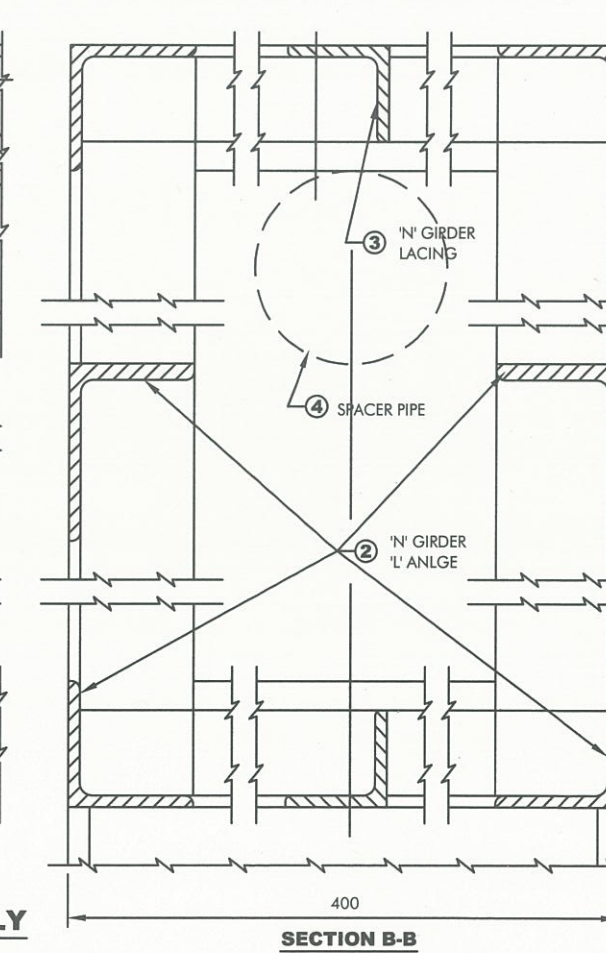
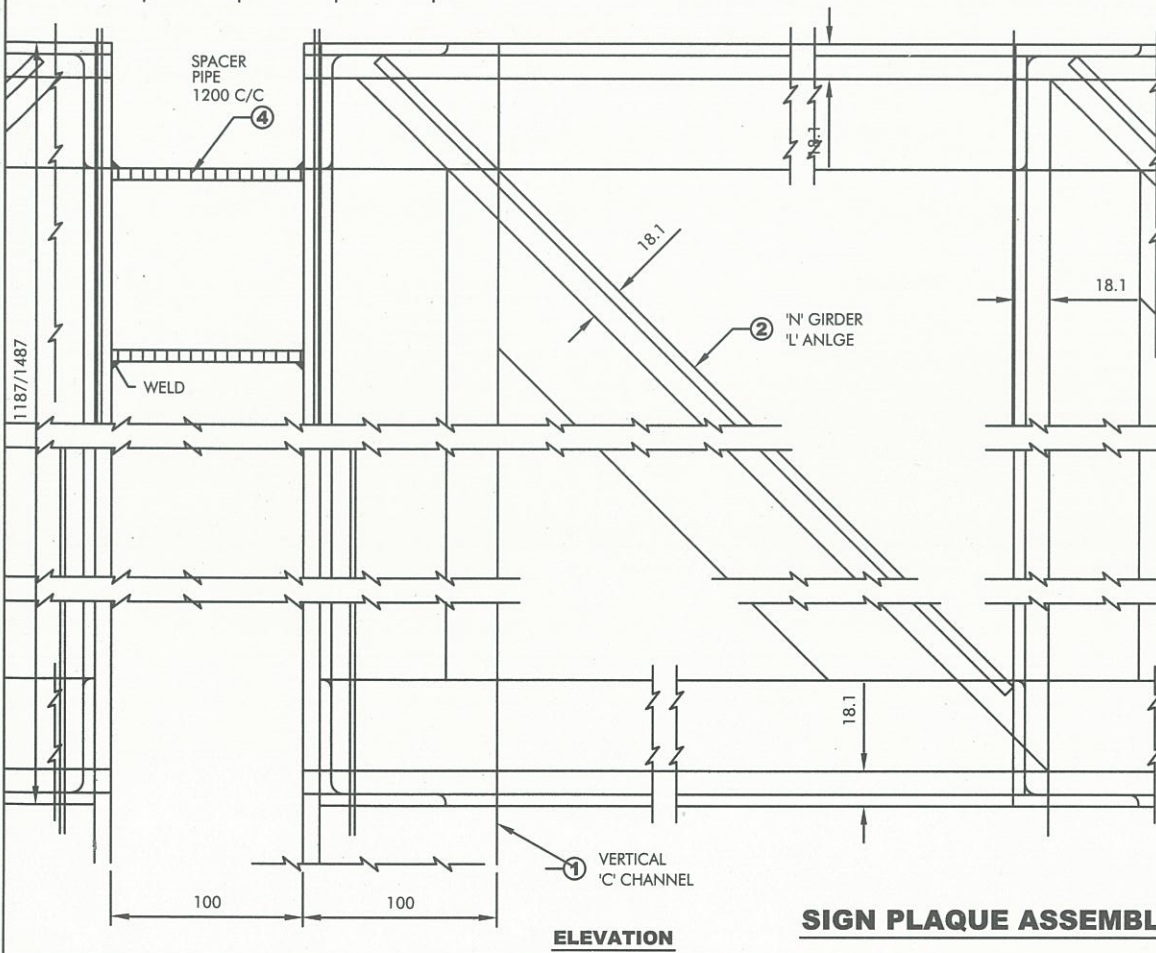
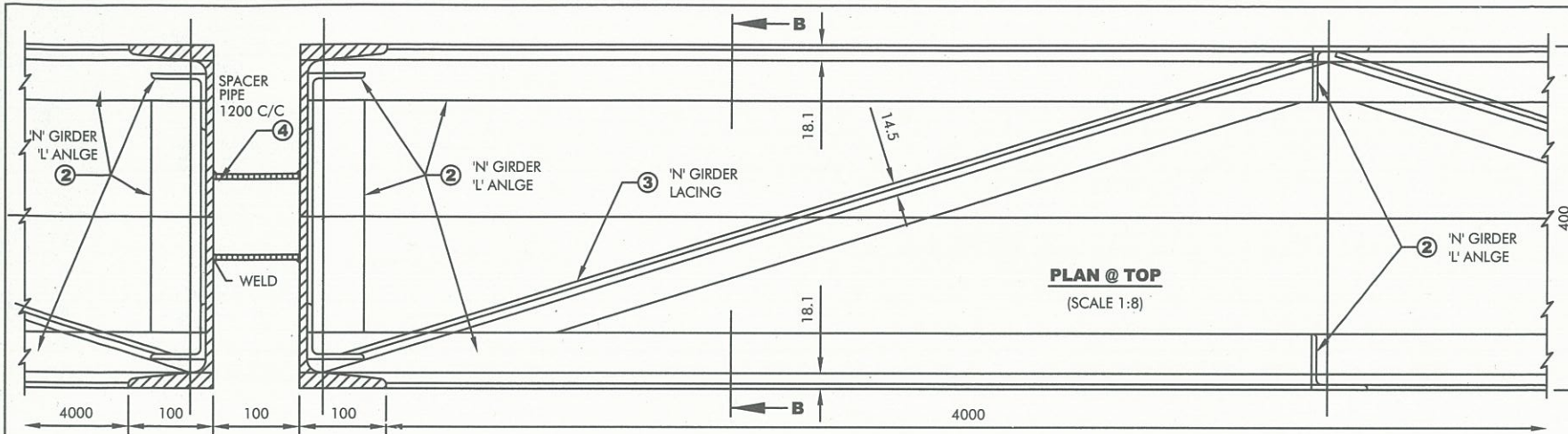
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**ARTERIAL ROAD & HIGHWAY NAMEBOARD - BOTH SIDE CANTILEVER ('T' TYPE)**



**2S-B2.1**

DESIGNED BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for  
 MUMBAI'S INITIATIVE FOR THE PROTECTION &  
 IMPROVEMENT OF STREETS & PUBLIC SPACES

**ROUTE IDENTIFICATION SIGNS  
 BOTH SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 400 7800 LG.	1
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	'N' GIRDER LACING, 'L' ANGLE	ISA 50	-
4	SPACER PIPE	100 DIA PIPE 6 THK (GI) 100 HT.	6

**STRUCTURAL SPECIFICATIONS**

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH  
 ENAMEL PAINT /  
 POLYURETHENE PAINT  
 OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON  
 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

**NOTES**

\* INDICATES SHARP CORNER.  
 UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP  
 GALVANISED (8-10 μ) & COATED WITH  
 TWO COATS EPOXY/HIGHBUILD  
 POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY  
 MANUFACTURING DEFECTS.

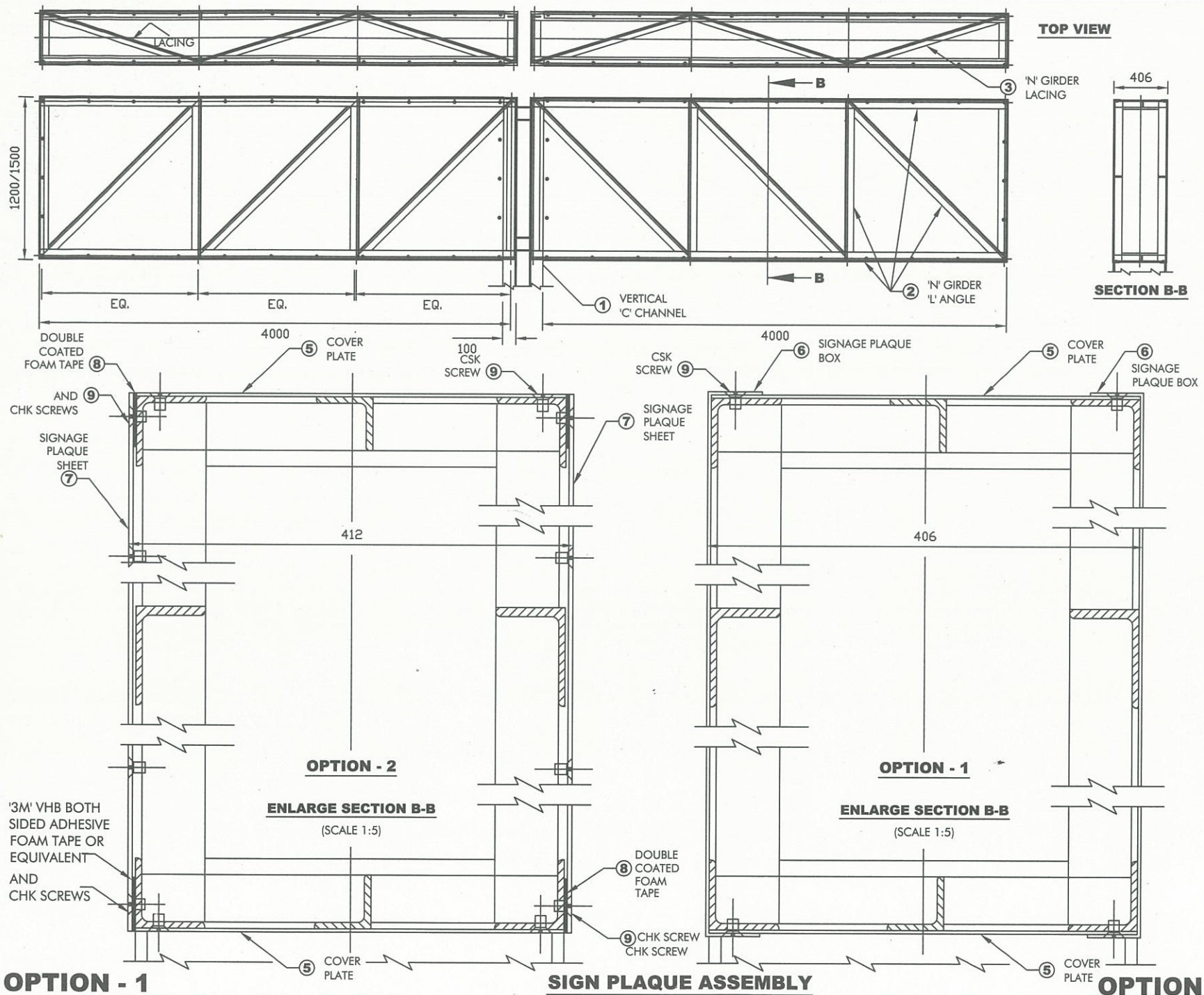
**ARTERIAL ROAD & HIGHWAY NAMEBOARD - BOTH SIDE CANTILEVER ('T' TYPE)**



**2S-B2.2**

DRG. NO.

DATE :- 03-11-2001 SCALE 1 : 4 **39**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**ROUTE IDENTIFICATION SIGNS BOTH SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 400 400 x 100 7800 LG.	1
2	'N' GIRDER 'L' ANGLE	ISA 65x65 65x65x6 THK	-
3	'N' GIRDER LACING, 'L' ANGLE	ISA 50x50 50x50x6 THK	-
4	SPACER PIPE	100 DIA PIPE 6 THK ( GI )	6
5	COVER PLATE	3 MM THK ALUMINIUM SHEET	5
6	SIGNAGE PLAQUE BOX	3 MM THK ALUMINIUM SHEET	4
7	SIGNAGE PLAQUE SHEET	4 MM THK ALUMINIUM SHEET	4
8	DOUBLE COATED ACRY. FOAM TAPE	3M VHB TAPE # 4956 OR EQUIVALENT	-
9	CSK SCREW	M10 x 16 LG.	-

**STRUCTURAL SPECIFICATIONS**

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

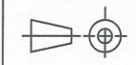
**NOTES**

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

MS PIPE PART SHOULD BE HOT GALVANISED IN 7 STAGES AND COATED WITH TWO COATS EPOXY RESIN & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**ARTERIAL ROAD & HIGHWAY NAMEBOARD - BOTH SIDE CANTILEVER ('T' TYPE)**



**2S-B2.3**

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DRG. NO.

DATE :- 03-11-2001 | SCALE 1 : 40 | 40



# 3 Signage system

## DIRECTION SIGNS

---

**A FREE STANDING SIGNS FOR**

---

**SUB-ARTERIAL ROAD**

---

**ARTERIAL ROAD**

---

**B CANTILEVER SIGNS FOR ARTERIAL ROAD & HIGHWAY**

---

**B1 SINGLE SIDE**

---

**B2 BOTH SIDE**

---

**C GANTRY FOR ARTERIAL ROAD & HIGHWAY**

---

**D LOW HEIGHT SIGNS FOR HIGHWAY**

---

**E DIRECTION MAPS FOR HIGHWAY**

---



### DIRECTION SIGNS

#### : DESIGN FEATURES OF THE SYSTEM :

- layout of Direction signs should contain information about the immediate destination and the final significant destination.
- They should also display information such as area and road names, as shown in the following drawing.
- The front side of the board should bear information in two languages, Marathi and English and the rear side should bear information about locations of important landmarks, represented graphically for the benefit of the pedestrians.
- If found relevant, direction signs could also be clubbed with Traffic signs or MCGM Regulation signs.
- Sizes, proportions and finishes specified in the drawings should be adhered to. In case of unavailability of the specifications, an equivalent material or process should be chosen with the prior approval of the MCGM.

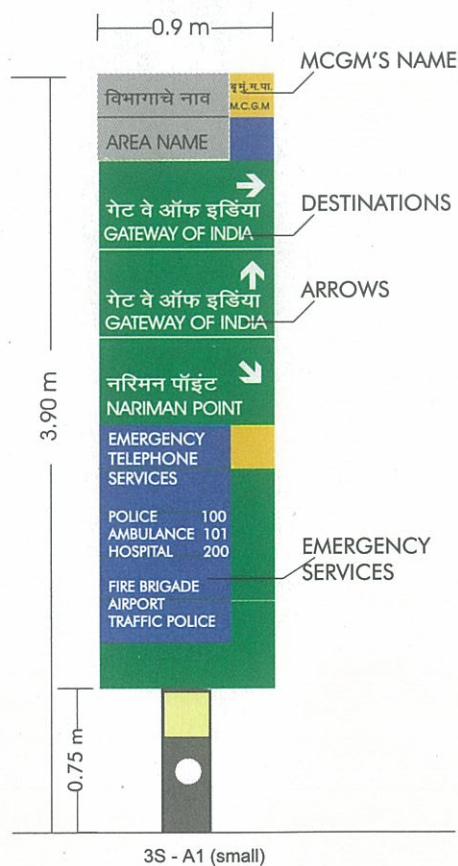
#### GUIDELINES FOR PLANNING AND PLACEMENTS :

- Direction signs for highways, arterial roads, sub-arterial roads, collector's streets or by-lanes should be placed keeping in mind optimum visibility and legibility.
- They should be placed just before the junctions or at places where roads bifurcate, where pedestrians or drivers make decisions to select the desired path.

## Option 1

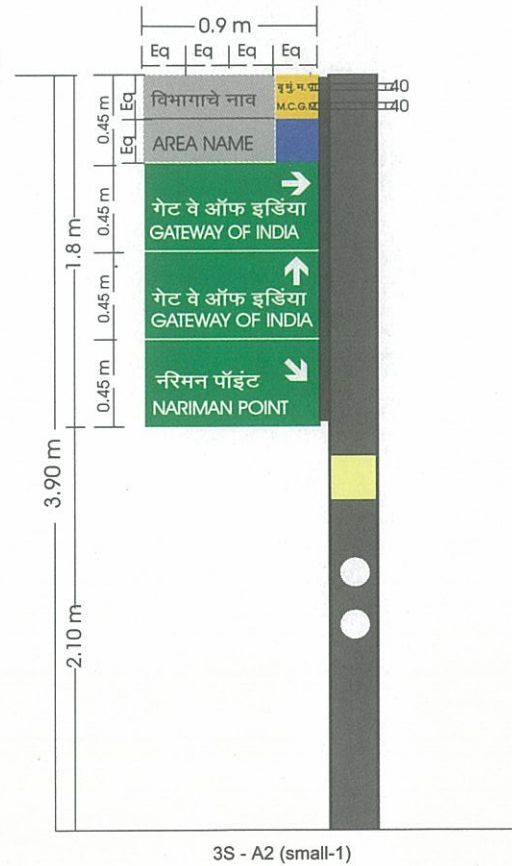
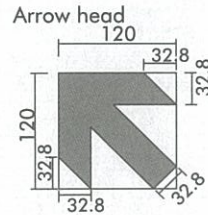
Large size direction boards on central support for 2-3 destinations.

This should be placed on the centre median more than 1.0m wide. It could also be placed on pavements. The rear side should be used to indicate destinations for the traffic in other direction.



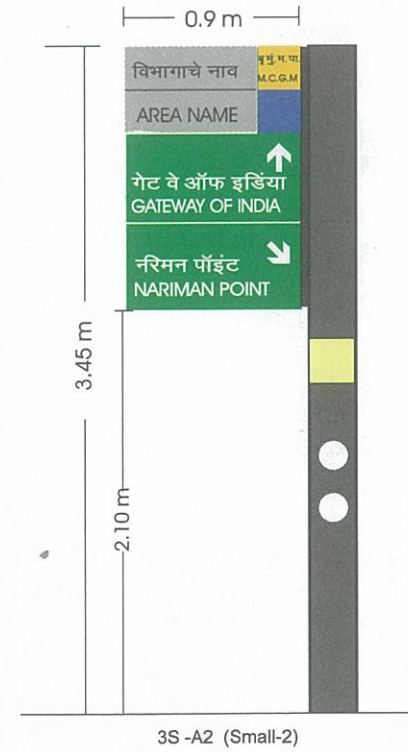
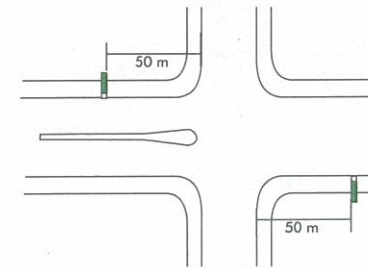
## Option 2

Cantilevered direction board for three destinations. This direction board should be placed on the pavements.



## LOCATION

- Should be located at minimum 50mts from junctions.
- Signs should be placed perpendicular to the road.
- Should be placed on the centre median wider than 1.0m or on pavements.



## STREET FURNITURE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## TRAFFIC SIGNS Informatory Signs

## Direction Signs

## A FREE STANDING SIGNS FOR LOCAL STREETS SUB-ARTERIAL

### SIGNAGE SPECIFICATIONS

High intensity grade Retro Reflective Film  
 Colours as specified  
 Grey indicates background colour  
 Green Indian green IS no 284  
 Blue French blue IS no 166  
 Yellow Yellow-ochre

### Letters White & Black

Fonts :  
 English : Helvetica  
 Marathi : Yogesh  
 With normal spacing

### HEIGHTS of LETTERS

#### For AREA NAME

दहिसर 70 mm  
 DAHISAR 70 mm

#### For DESTINATION NAME

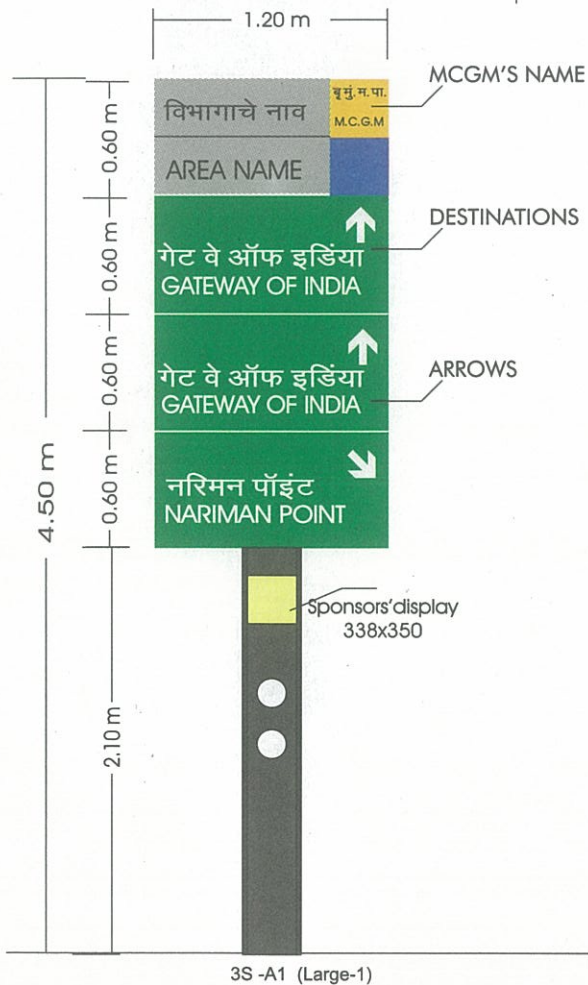
दहिसर 70 mm  
 DAHISAR 70 mm

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

## Option 1

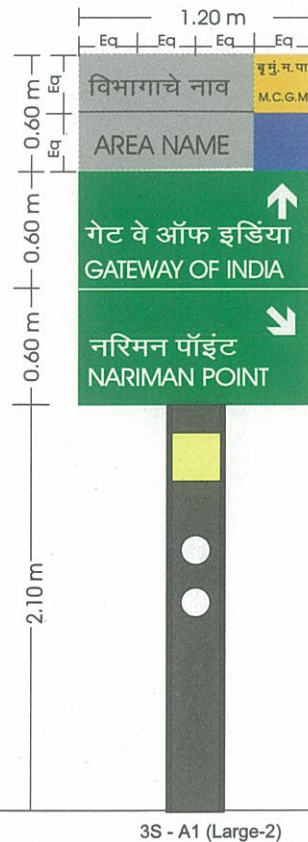
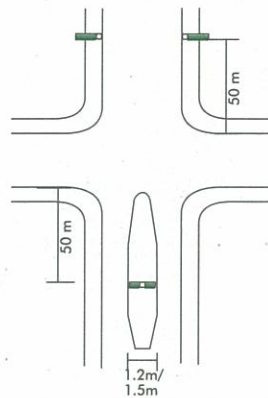
Large size direction boards on central support for 2-3 destinations.

This should be placed on the centre median more than 1.2 mts wide. It could also be placed on pavements. The rear side should be used to indicate destinations for the traffic in other direction.



3S - A1 (Large-1)

## LOCATION PLAN

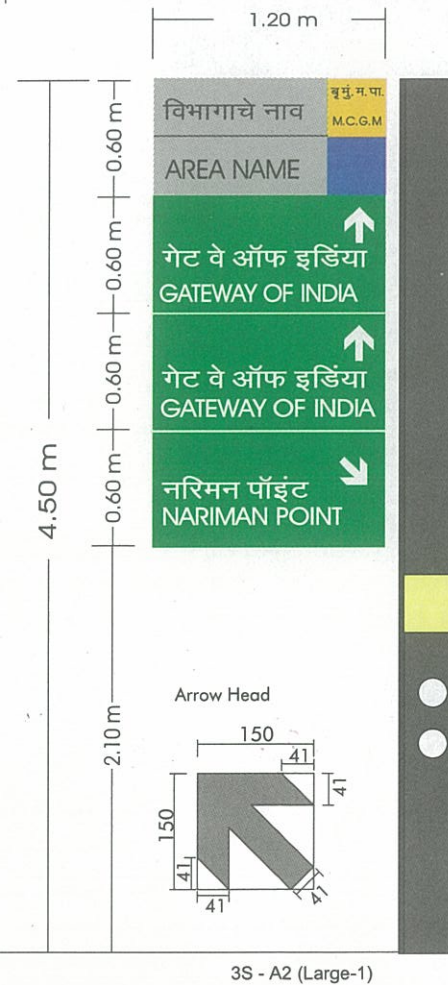


3S - A1 (Large-2)

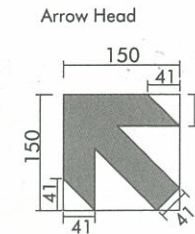
## Option 2

Cantilevered direction board for three destinations. This direction board should be placed on the pavements.

The rear side of the signage board should be used for sponsorship & area map(direction map).



3S - A2 (Large-1)



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## TRAFFIC SIGNS Informatory Signs

# Direction Signs

## A FREE-STANDING DIRECTION SIGNS -FRONT SIDE FOR ARTERIAL ROAD

### SIGNAGE SPECIFICATIONS

High intensity grade Retro Reflective Film

#### Colours

Grey indicates background colour  
Green Indian green IS no 284  
Blue French blue IS no 166  
Yellow Yellow-ochre

#### Letters White & Black

#### Fonts :

English : Helvetica

Marathi : Yogesh

With normal spacing

#### HEIGHTS of LETTERS

#### For AREA NAME

दहिभर 80 mm  
DAHISAR 80 mm

#### For DESTINATION NAME

दहिभर 80 mm  
DAHISAR 80 mm

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

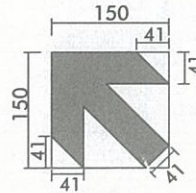
### Option 1

The rear side should be used to indicate destinations for the traffic in other direction & sponsors' display.



3S -A1 (Large-1)

Arrow Head



3S - A1 (Large-2)

### Option 2

Cantilevered direction board for three destinations. The rear side of the sign board should be used for Information map or social messages & sponsors' display.



3S - A2 (Large-1)

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

### TRAFFIC SIGNS Informatory Signs

## Direction Signs

### A FREE-STANDING DIRECTION SIGNS -REAR SIDE FOR ARTERIAL ROAD

#### SIGNAGE SPECIFICATIONS

High intensity grade Retro Reflective Film  
**Colours** as specified  
 Grey indicates background colour  
 Green Indian green IS no 284  
 Blue French blue IS no 166  
 Yellow Yellow-ochre

**Letters White & Black**  
**Fonts :**

English : Helvetica  
 Marathi : Yogesh  
 With normal spacing

#### HEIGHTS of LETTERS

##### For AREA NAME



##### For DESTINATION NAME



DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

### Option 1

Single side cantilevered direction board should be placed on pavement. The rear side of the sign board should be used as sponsorship plaque. Please refer to the drawing below.



Rear side of the direction board

### Option 2

Double side cantilevered direction board for two or three destination points. The rear side of the sign board should be used as sponsorship plaque.

### Option 3-4

Cantilevered direction board fixed on an existing lamp post wherever possible. The rear side of the sign board should be used as sponsorship plaque.

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## TRAFFIC SIGNS Informatory Signs

# Direction Signs

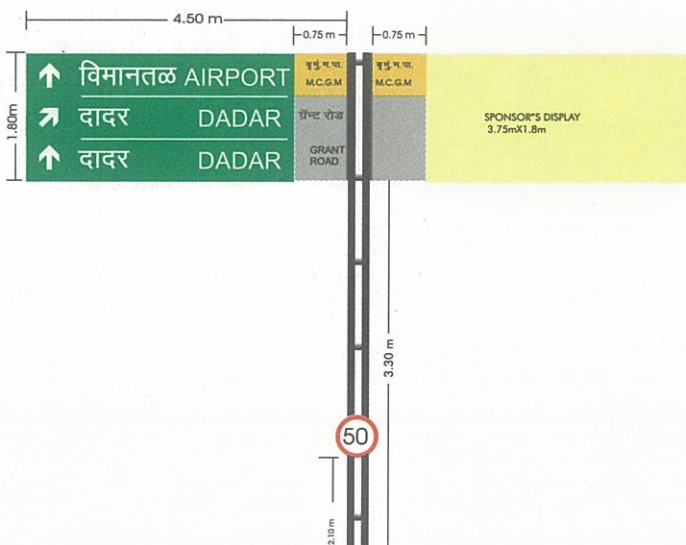
## B CANTILEVER SIGN FOR HIGHWAYS & ARTERIAL ROAD

### SIGNAGE SPECIFICATIONS

High intensity grade  
Retro Reflective Film  
Colours as specified  
Grey indicates background colour  
Green Indian green IS no 284  
Blue French blue IS no 166  
Yellow Yellow-ochre  
Letters White & Black  
Fonts :  
English : Helvetica



3S -B1 Single Cantilever

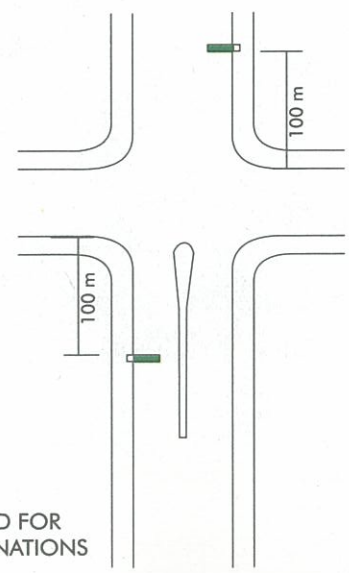
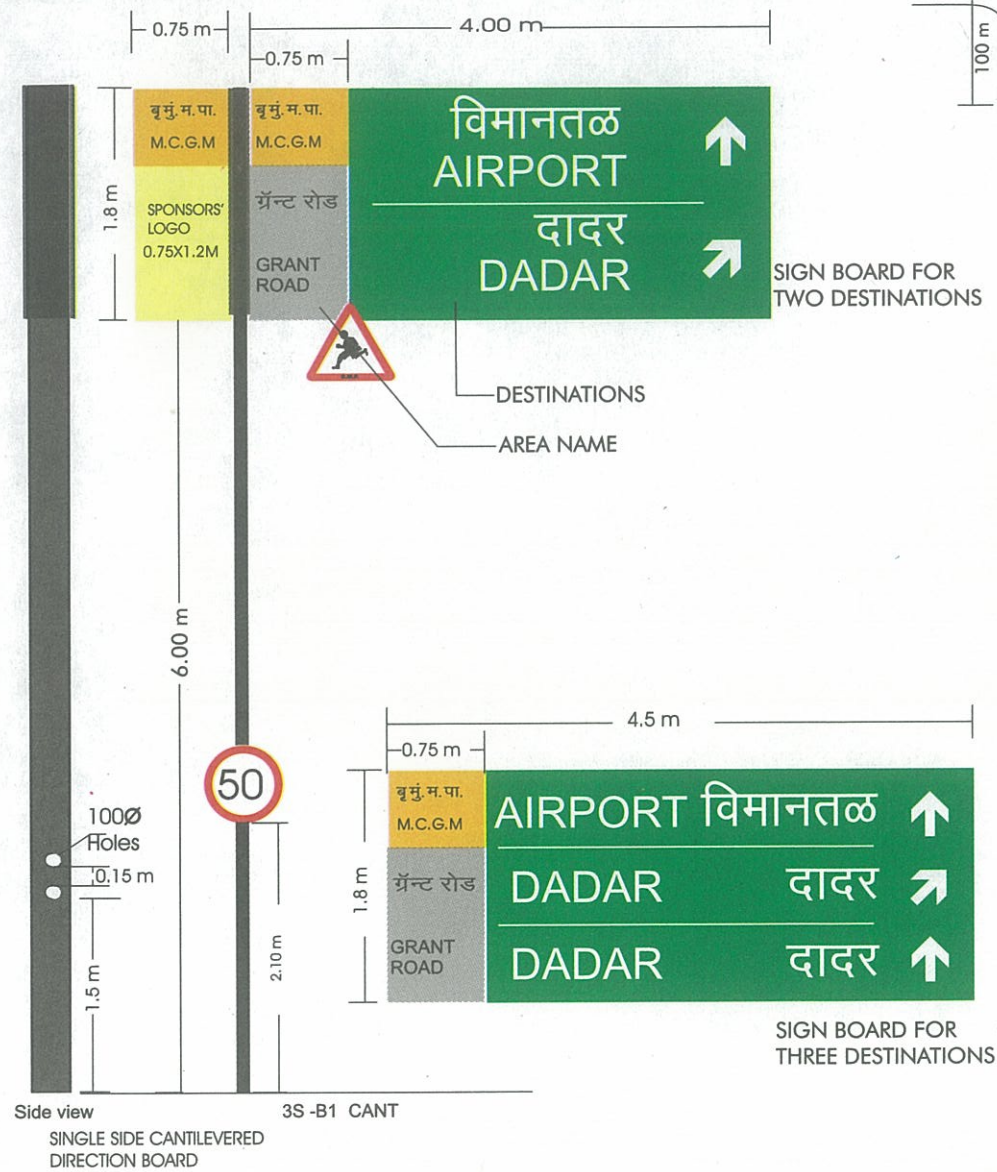


3S -B2 Double Cantilever



3S -B2 Single Cantilever

3S -B2 Double Cantilever



### LOCATION

- 1 Should be located 100mts from the junction.
- 2 Signs should be placed perpendicular to the road.
- 3 Should be placed either on pavement or centre median

### SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

### TRAFFIC SIGNS Informatory Signs

## Direction Signs

### B1 SINGLE SIDE CANTILEVER SIGN FOR HIGHWAYS & ARTERIAL ROAD

#### SIGNAGE SPECIFICATIONS

High intensity grade  
Retro Reflective Film  
Colours as specified  
Grey indicates background colour  
Green Indian green IS no 284  
Blue French blue IS no 166  
Yellow Yellow-ochre

#### Letters White & Black

Fonts :  
English : Helvetica  
Marathi : Yogesh  
With normal spacing

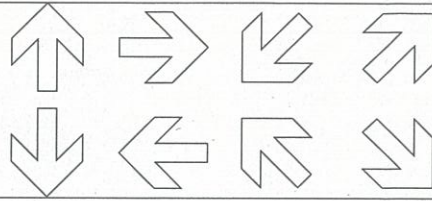
#### HEIGHTS of LETTERS

For AREA NAME  
दहिसर 80 mm  
DAHISAR 80 mm

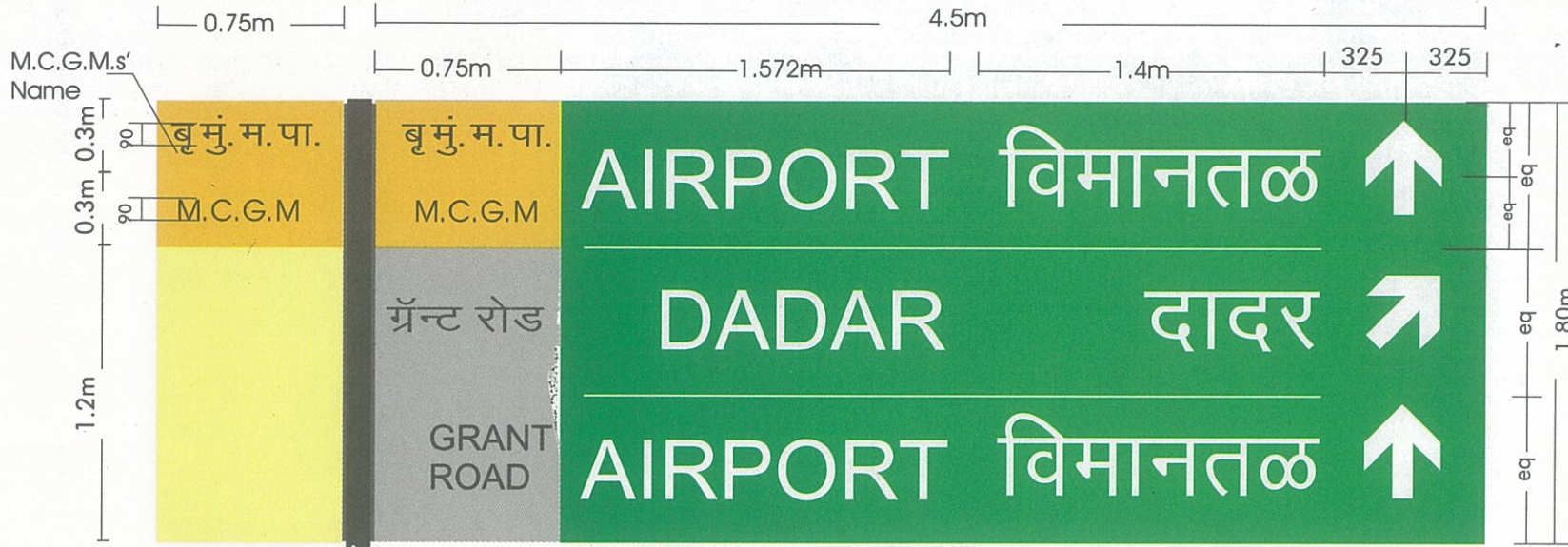
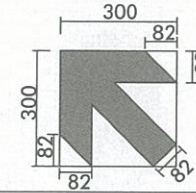
#### For DESTINATION TEXT

दहिसर 250 mm  
DAHISAR 250 mm

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS



ARROWS



**THREE DESTINATIONS**



**TWO DESTINATIONS**

**Graphic Details FOR SINGLE & BOTH SIDE ('T' TYPE) CANTILEVER SIGN**

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**TRAFFIC SIGNS Informatory Signs**

**Direction Signs**

**Graphic Details**

**CANTILEVER SIGN FOR HIGHWAYS & ARTERIAL ROAD**

**SIGNAGE SPECIFICATIONS**

High intensity grade Retro Reflective Film

Colours as specified

Grey indicates background colour

Green Indian green IS no 284

Blue French blue IS no 166

Yellow Yellow-ochre

Letters White & Black

Fonts :

English : Helvetica

Marathi : Yogesh

With normal spacing

HEIGHTS of LETTERS

For AREA NAME

दहिसर 80 mm

DAHISAR 80 mm

For DESTINATION TEXT

दहिसर 250 mm

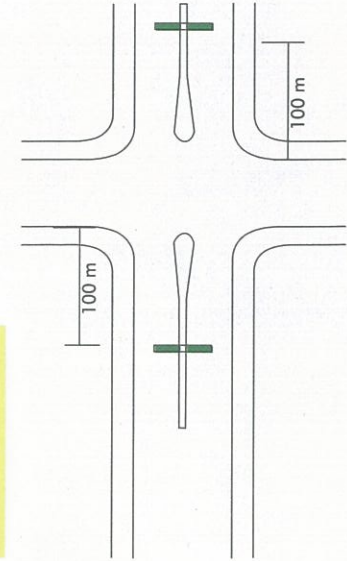
DAHISAR 250 mm

DESIGNS BY A & A DESIGN ASSOCIATES ARCHITECTS & INDUSTRIAL DESIGNERS



## LOCATION

- 1 Should be located 100mts from the junctions.
- 2 Signs should be placed perpendicular to the road.
- 3 Should be placed on the centre median.



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## TRAFFIC SIGNS Informatory Signs

## Direction Signs

## B2 BOTH SIDE CANTILEVER SIGN FOR HIGHWAYS & ARTERIAL ROAD

### SIGNAGE SPECIFICATIONS

High intensity grade Retro Reflective Film

Colours as specified

Grey indicates background colour

Green Indian green IS no 284

Blue French blue IS no 166

Yellow Yellow-ochre

Letters White & Black

Fonts :

English : Helvetica

Marathi : Yogesh

With normal spacing

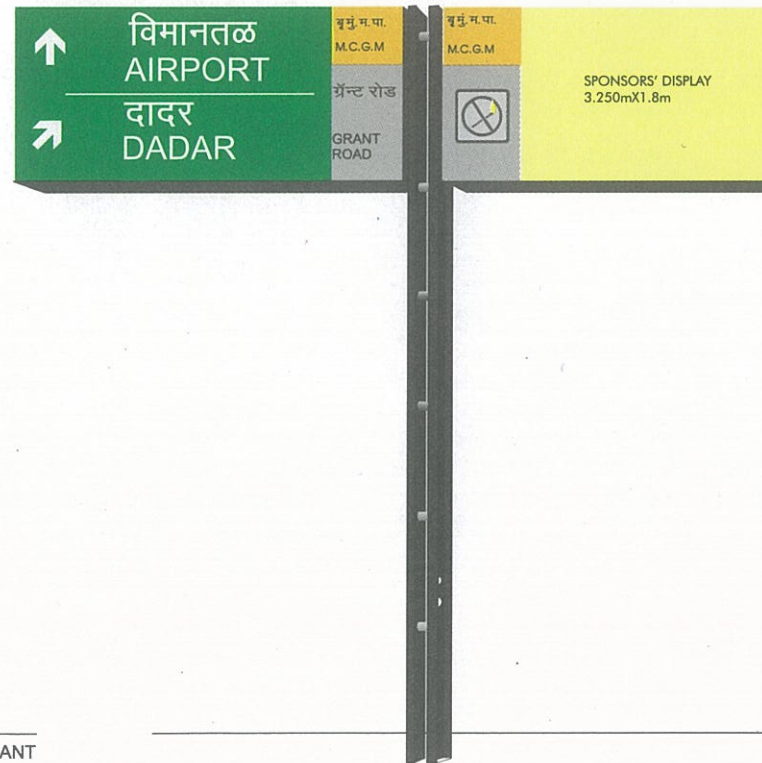
HEIGHTS of LETTERS

For AREA NAME

दहिसर 80 mm  
DAHISAR 80 mm

For DESTINATION TEXT

दहिसर 250 mm  
DAHISAR 250 mm



1  
Gantries for  
Expressways/  
highways

2  
Gantries as FOOT-  
BRIDGES for arterial  
roads & highways

Usage of Gantries should be  
optimised by providing a  
foot-bridge in the same  
structure, especially on arterial  
roads.

3  
Flyovers for signage  
display

To reduce the clutter of street  
furniture elements an attempt  
should be made to use the  
existing street elements as a  
support system.

At junctions direction boards  
and arterial name board  
should be hung under the fly  
over.

**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**

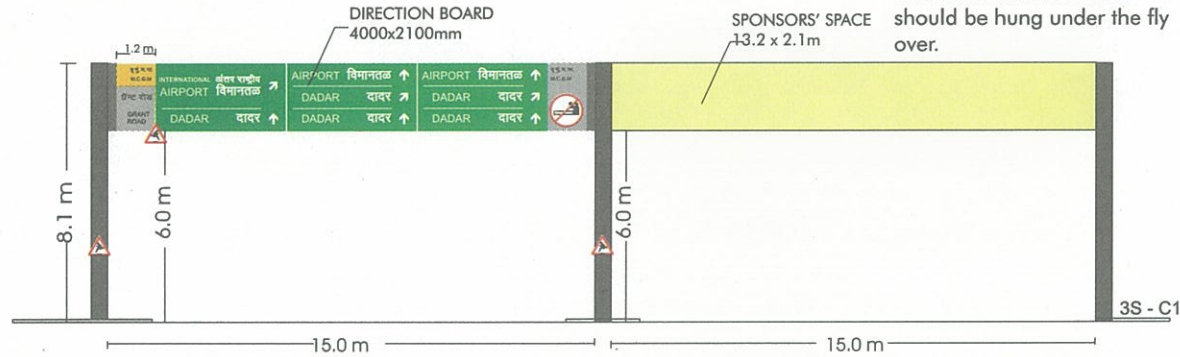
M. C. G. M. & THE COMMITTEE FOR  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

**TRAFFIC SIGNS  
Informatory Signs**

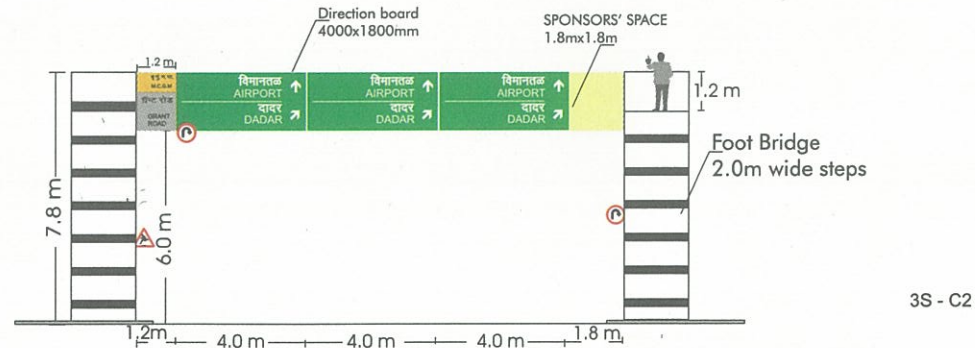
**Direction  
Signs**

**Gantries  
Types**

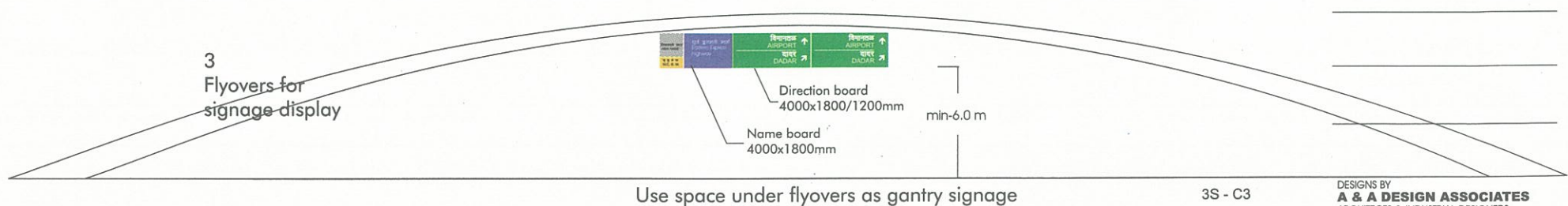
1  
Gantries for  
expressways /  
highways



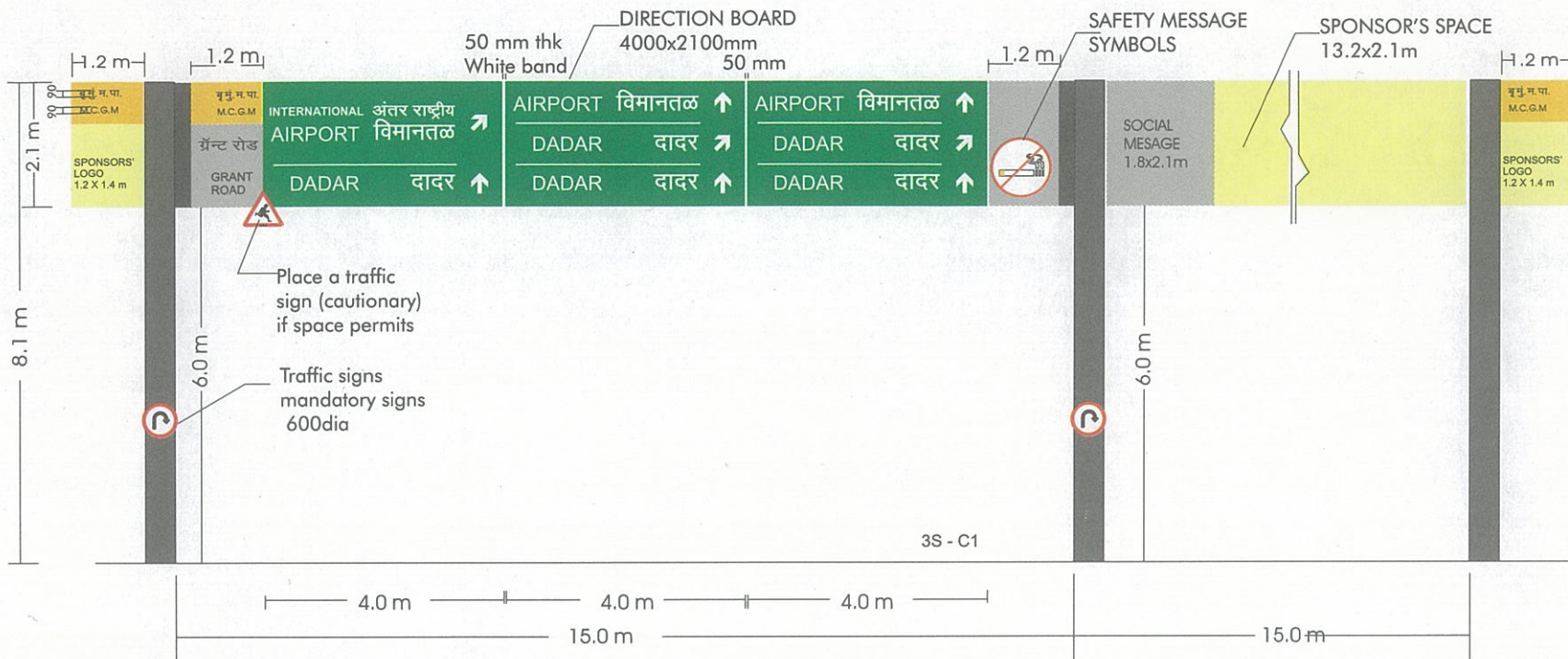
2  
Gantries as  
FOOT-BRIDGES  
for arterial roads  
& highways



3  
Flyovers for  
signage display



Use space under flyovers as gantry signage



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**TRAFFIC SIGNS Informatory Signs**

**Direction Signs**

**GANTRIES FOR HIGHWAYS & ARTERIAL ROAD**

**SIGNAGE SPECIFICATIONS**

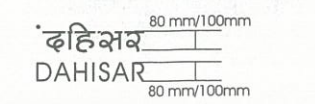
High intensity grade Retro Reflective Film  
**Colours** as specified  
 Grey indicates background colour  
 Green Indian green IS no 284  
 Blue French blue IS no 166  
 Yellow Yellow-ochre

**Letters White & Black**

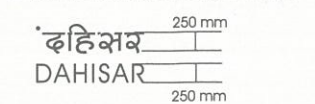
**Fonts :**  
 English : **Helvetica**  
 Marathi : **Yogesh**  
 With normal spacing

**HEIGHTS of LETTERS**

**For AREA NAME**



**For DESTINATION NAME**



**LOCATION**

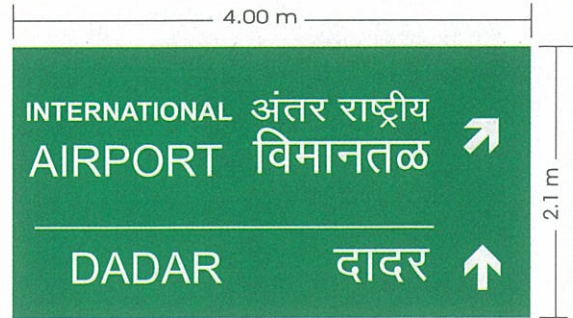
- 1 Should be located 100mts Before the junctions.
- 2 Signs should be placed perpendicular to the road.



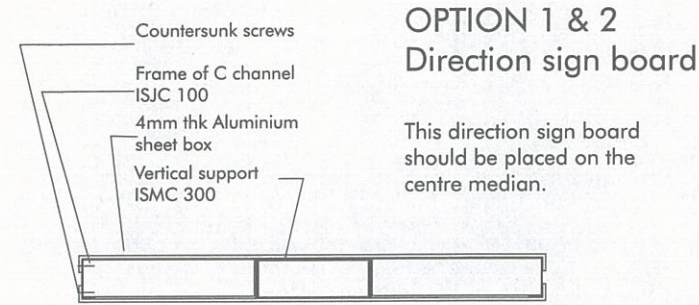
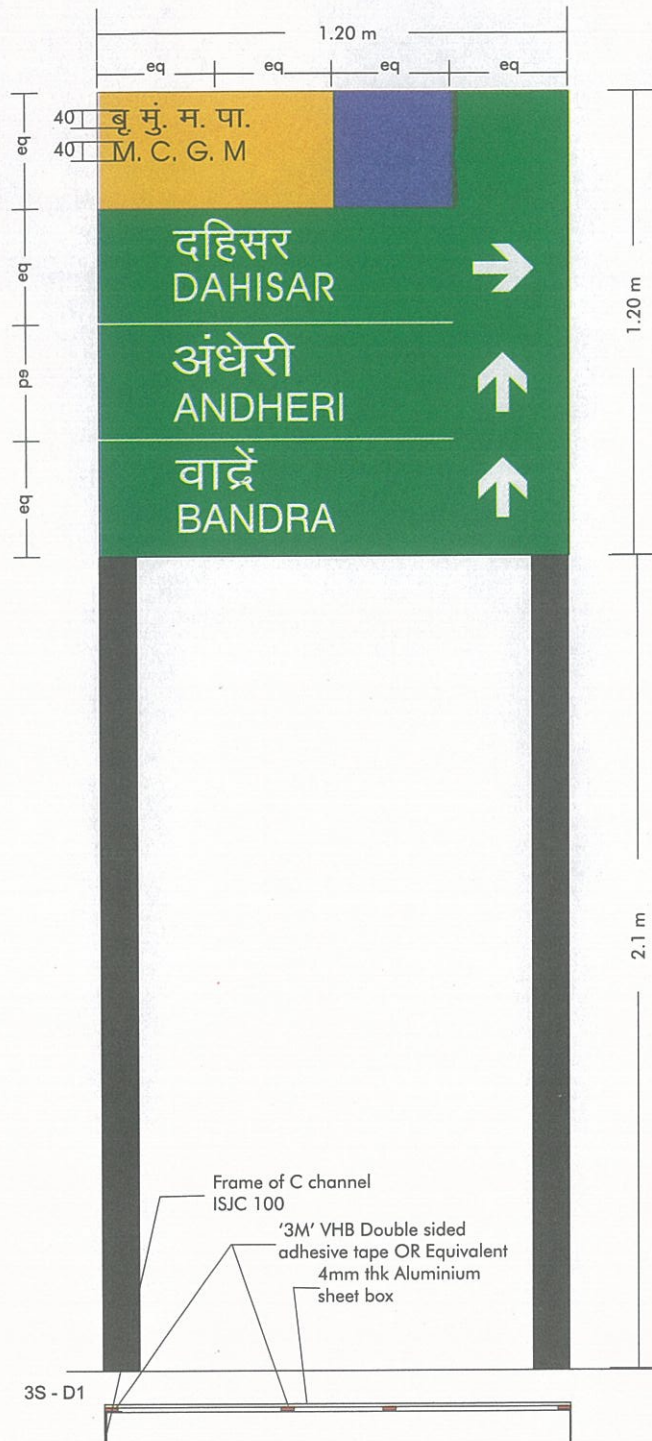
**OPTION 1 FOR TWO DESTINATIONS**



**OPTION 2 FOR THREE DESTINATIONS**



**OPTION 3 FOR TWO DESTINATIONS**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**TRAFFIC SIGNS Informatory Signs**

**Direction Signs**

**D LOW HEIGHT DIRECTION SIGNS FOR HIGHWAYS**

**SIGNAGE SPECIFICATIONS**

- High intensity grade Retro Reflective Film
- Colours as specified
- Grey indicates background colour
- Green Indian green IS no 284
- Blue French blue IS no 166
- Yellow Yellow-ochre

**Letters White & Black**

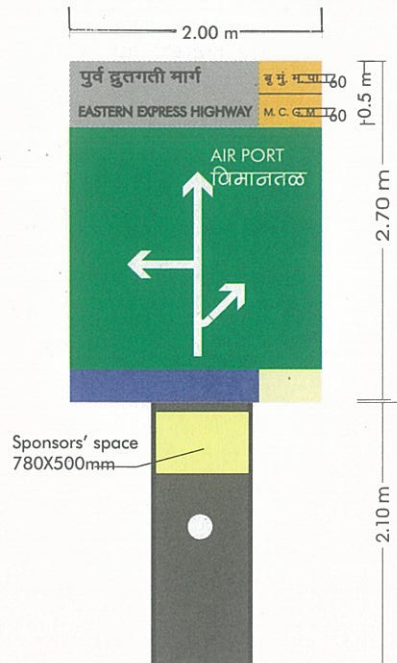
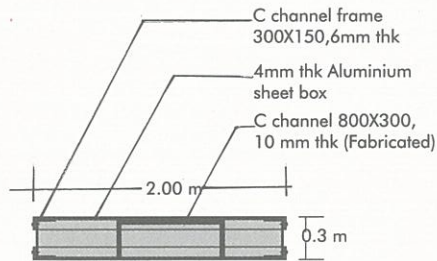
- English : Helvetica
- Marathi : Yogesh
- With normal spacing

**For DESTINATION NAME**



### Option 1

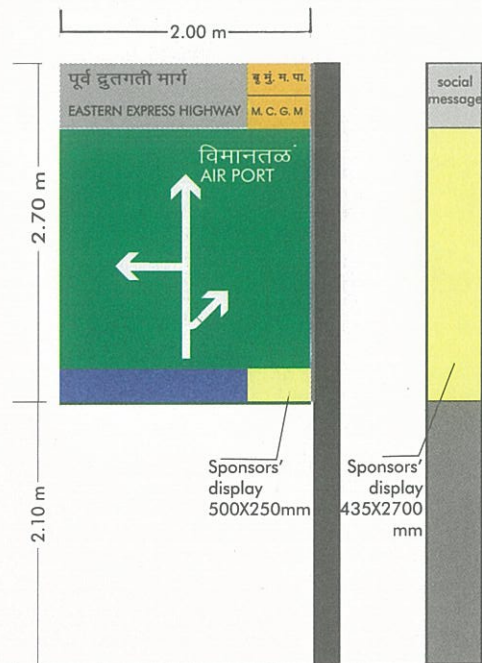
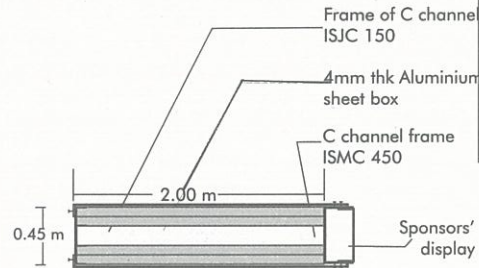
Direction map mounted on central support to be placed on centre median. Both sides of the signage structure will have direction maps. Yellow plaque will have the sponsors display.



3S - E1

### Option 2

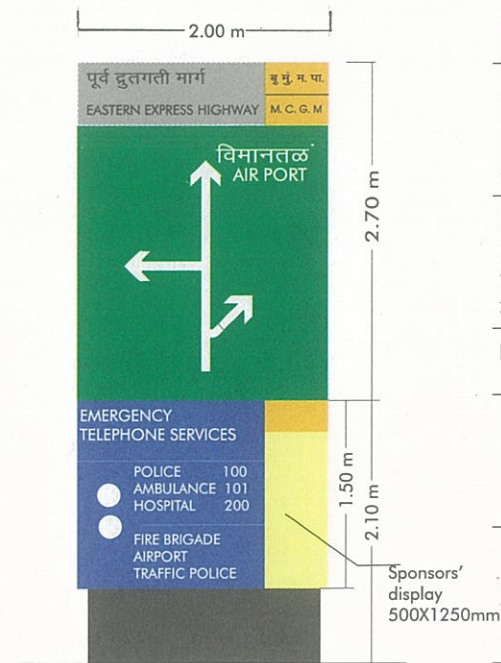
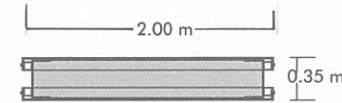
Cantilevered direction map should be placed on the sides of the driveway. Direction map display will appear only on one side. The rear side should be used for social messages and for sponsor's display.



3S - E2

### Option 3

Direction Map combined with area map information board or emergency service info. board. This should be placed on the centre divider parallel to the road or at an angle of 30° on both sides.



3S - E3

## SIGNAGE

### FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## TRAFFIC SIGNS Informatory Signs

# Direction Signs

## DIRECTION MAP FOR HIGHWAYS

### SIGNAGE SPECIFICATIONS

High intensity grade Retro Reflective Film

Colours as specified

Grey indicates background colour

Green Indian green IS no 284

Blue French blue IS no 166

Yellow Yellow-ochre

Letters White & Black

Fonts :

English : Helvetica

Marathi : Yogesh

With normal spacing

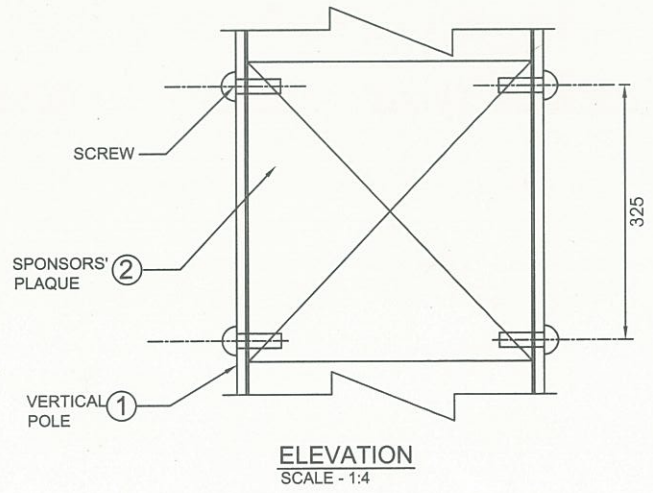
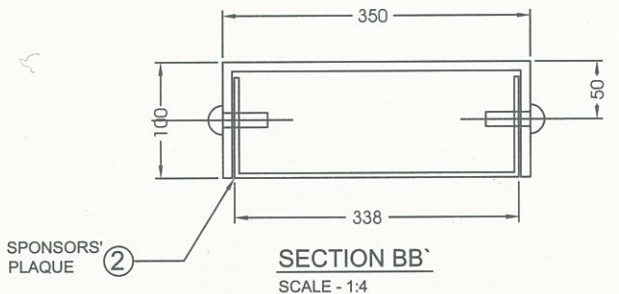
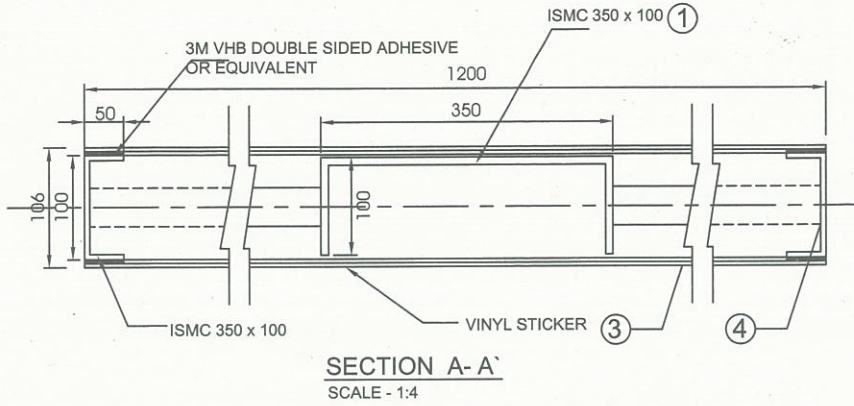
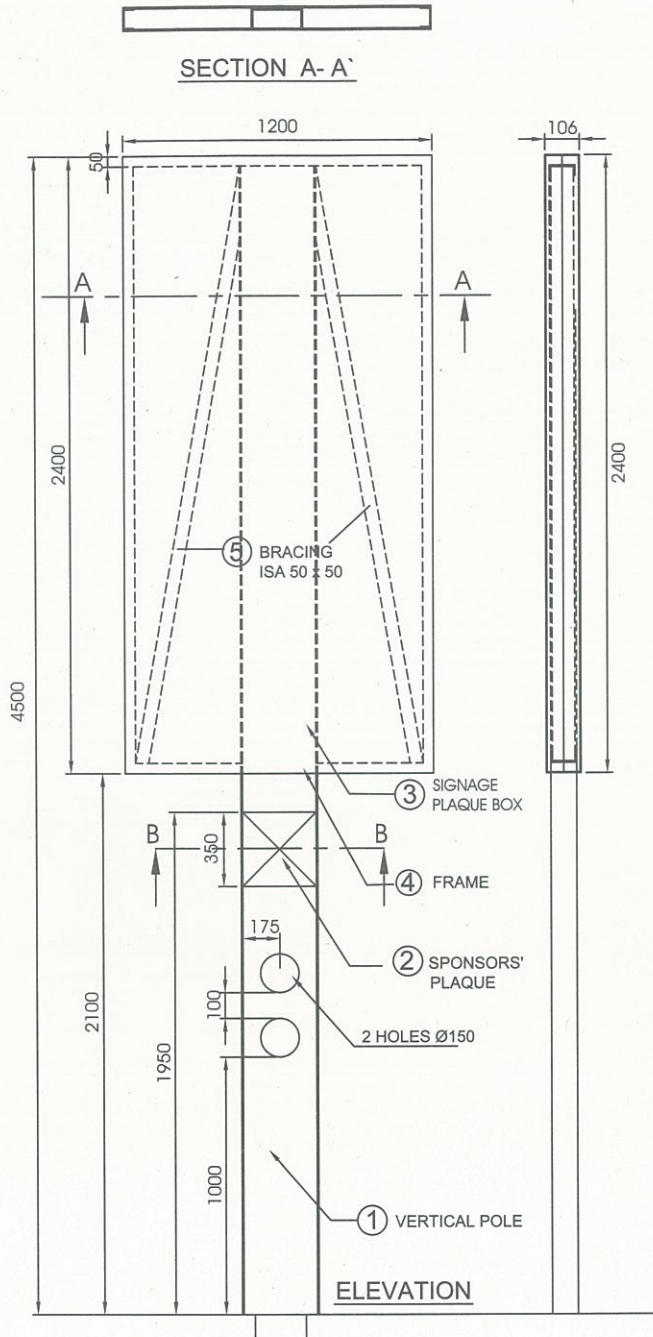
HEIGHTS of LETTERS

For ROAD NAME



For DESTINATIONS





**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**DIRECTION SIGNS FOR ARTERIAL ROAD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	ISMC 350	1
2	SPONSOR PLAQUE	3 MM THK. ALUMINIUM SHEET BOX 338 x 350	2
3	SIGNAGE PLAQUE	3 MM THK. AL. SHEET	1
4	FRAME	ISMC 100	4
5	BRACING	ISA 50 (MS)	2
6	FIXING MATERIAL	3M VHB, DOUBLE SIDED ADHESIVE OR EQUIVALENT	

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

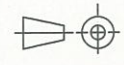
SIGNAGE SPECIFICATIONS  
 MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.  
 COLOUR:- AS SPECIFIED

NOTES  
 \* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROAD**



**3S-A1**

DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001 SCALE 1:30 **53**

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**DIRECTION SIGNS FOR ARTERIAL ROAD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	ISMC 350	1
2	SPONSOR PLAQUE	3 MM THK. ALUMINIUM SHEET BOX	8
3	SIGNAGE PLAQUE	3 MM THK. AL. SHEET	1
4	FRAME	ISMC 100 x 50	4
5	BRACING	ISA 50 x 50 (MS)	1
6	FIXING MATERIAL	3M VHB, DOUBLE SIDED ADHESIVE OR EQUIVALENT	

**STRUCTURAL SPECIFICATIONS**

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK ALUMINIUM SHEET.

COLOUR:- AS SPECIFIED

**NOTES**

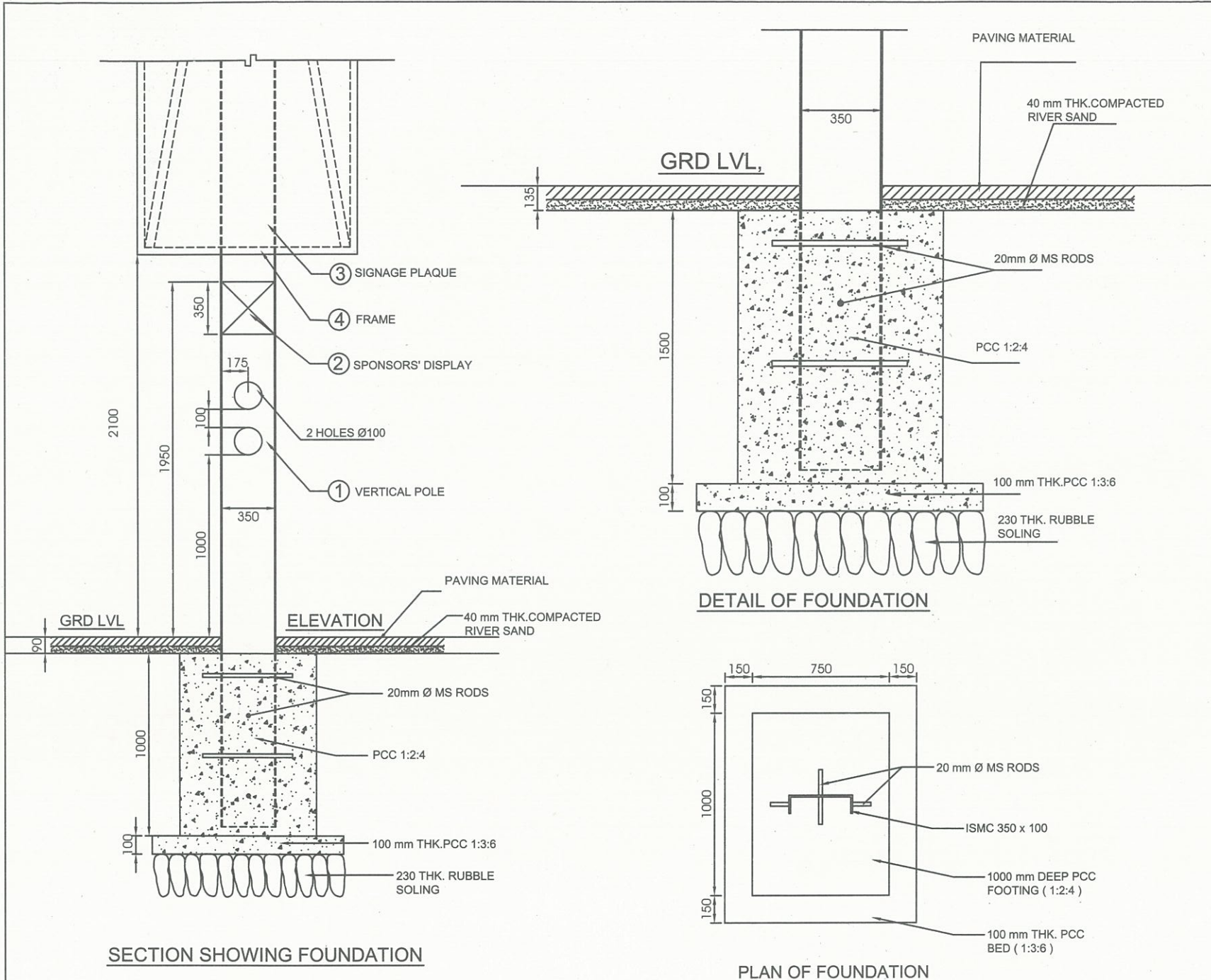
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

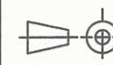
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001 SCALE 1: 30 **54**

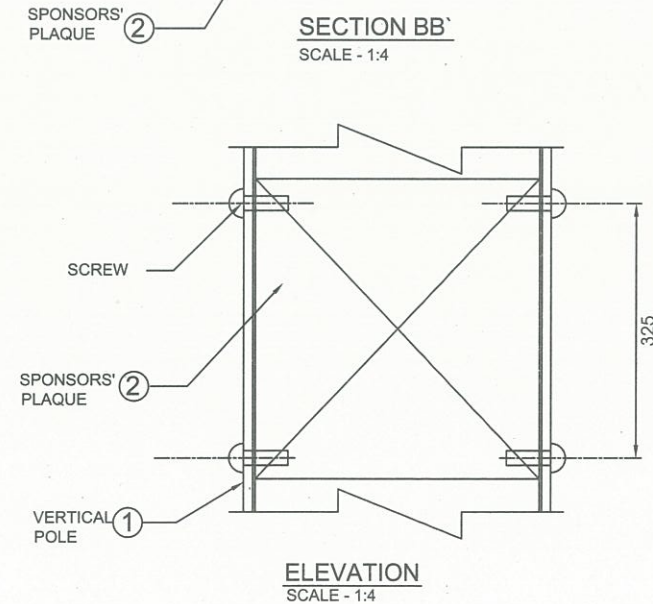
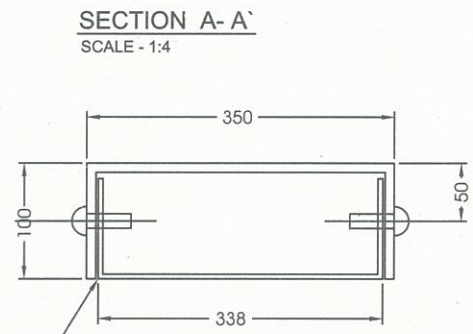
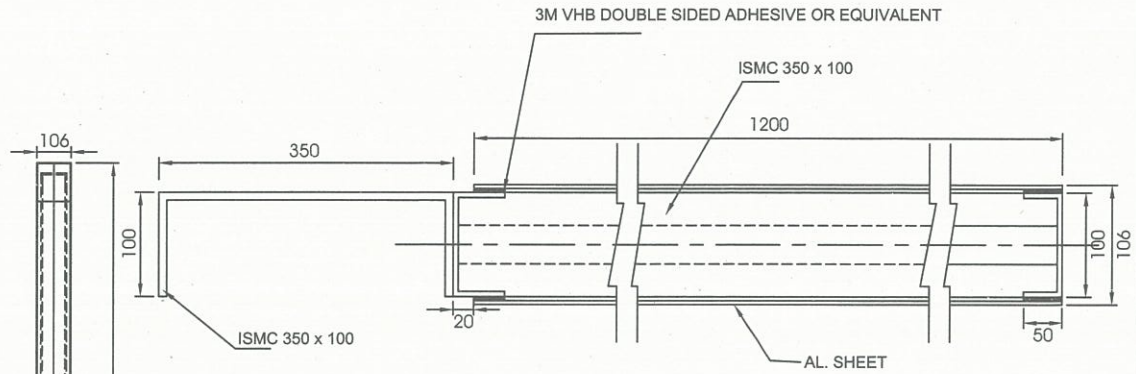
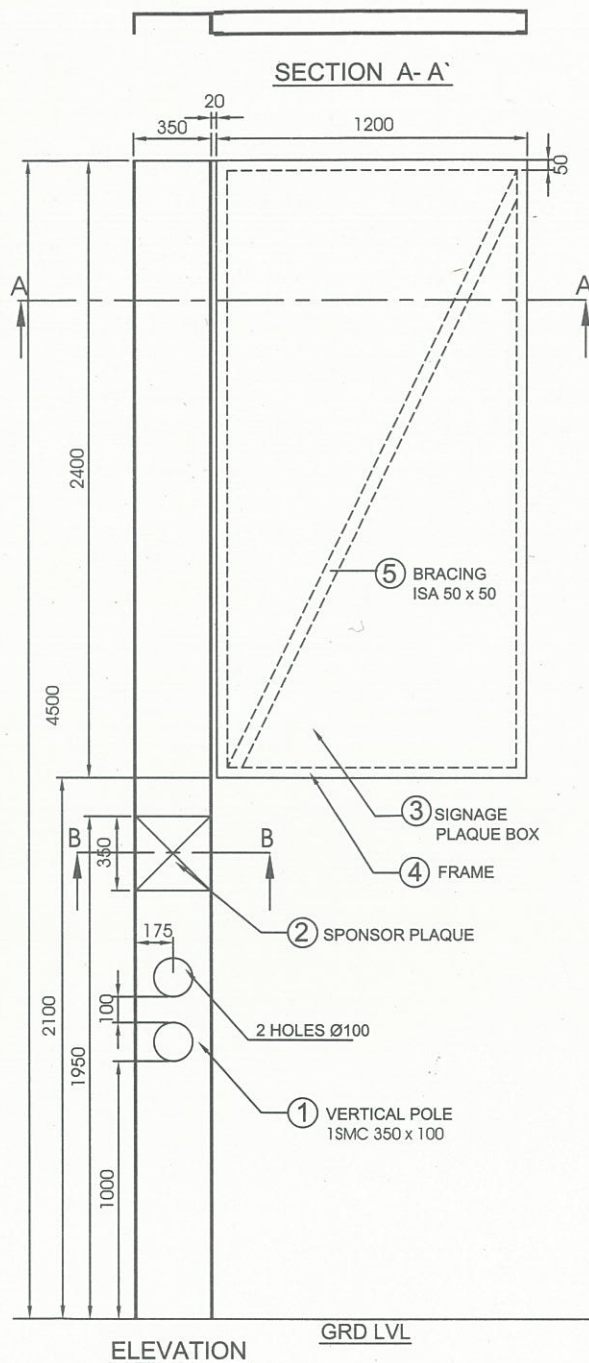


**DIRECTION SIGNS FOR ARTERIAL ROAD**



**3S-A1.1**

DRG. NO.



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**DIRECTION SIGNS FOR ARTERIAL ROAD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	ISMC 350	1
2	SPONSOR PLAQUE	3 MM THK. ALUMINIUM SHEET BOX 338 x 350	2
3	SIGNAGE PLAQUE	3 MM THK. AL. SHEET	1
4	FRAME	ISMC 100 x 50	4
5	BRACING	ISA 50 x 50 (MS)	1
6	FIXING MATERIAL	3M VHB, DOUBLE SIDED ADHESIVE OR EQUIVALENT	

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

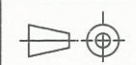
SIGNAGE SPECIFICATIONS  
 MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.  
 COLOUR:- AS SPECIFIED

NOTES  
 \* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROAD**

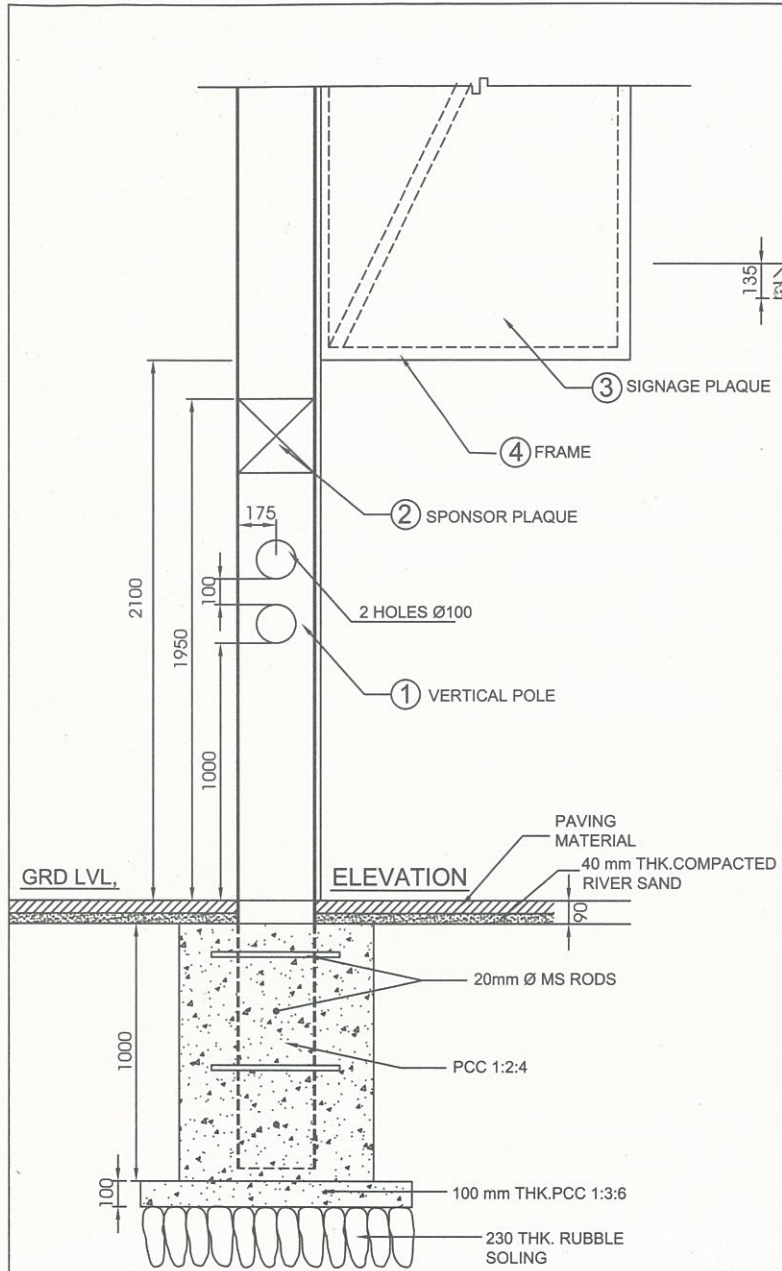


**3S-A2**

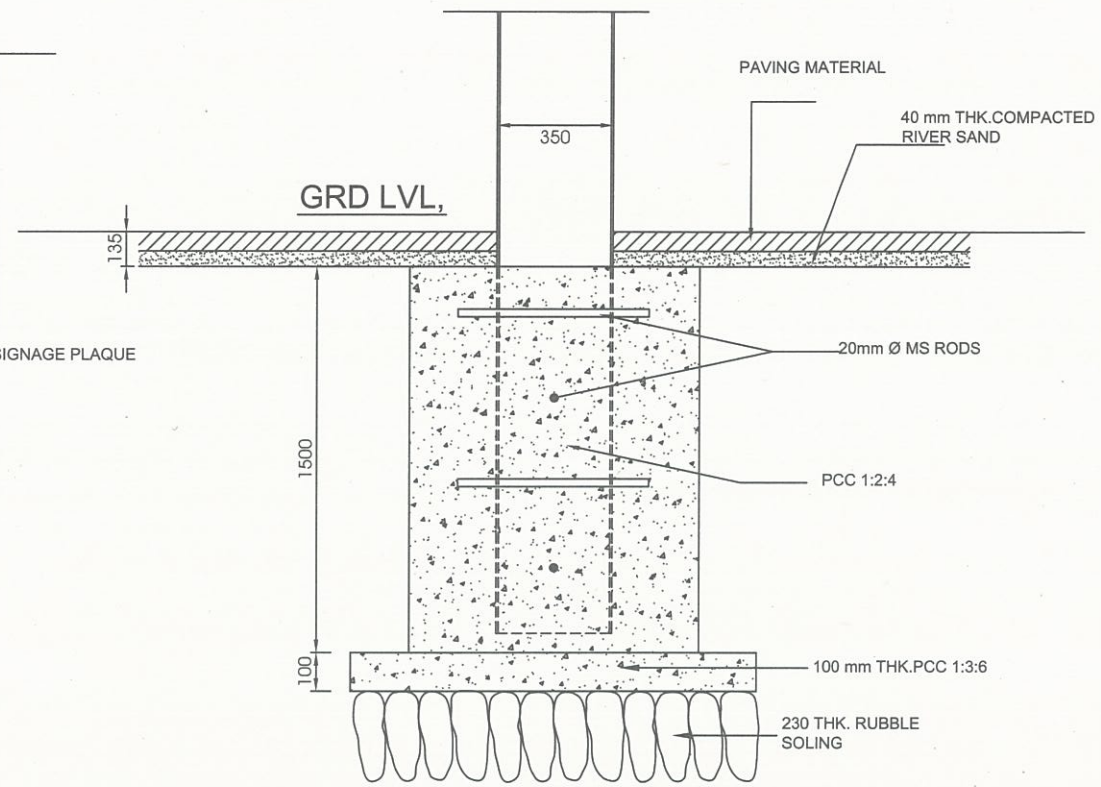
DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS  
 DATE :- 03-09-2001 | SCALE 1: 30 | 55

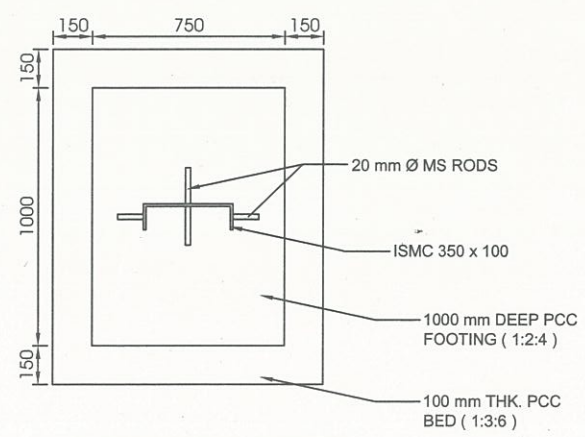




SECTION SHOWING FOUNDATION



DETAIL OF FOUNDATION



PLAN OF FOUNDATION

**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**DIRECTION SIGNS FOR ARTERIAL ROAD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	ISMC 350	1
2	SPONSOR PLAQUE	3 MM THK. ALUMINIUM SHEET BOX	2
3	SIGNAGE PLAQUE	3 MM THK. AL. SHEET	1
4	FRAME	ISMC 100 x 50	4
5	BRACING	ISA 50 x 50 (MS)	1
6	FIXING MATERIAL	3M VHB, DOUBLE SIDED ADHESIVE OR EQUIVALENT	

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

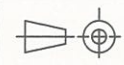
SIGNAGE SPECIFICATIONS  
 MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.  
 COLOUR:- AS SPECIFIED

NOTES  
 \* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROAD**

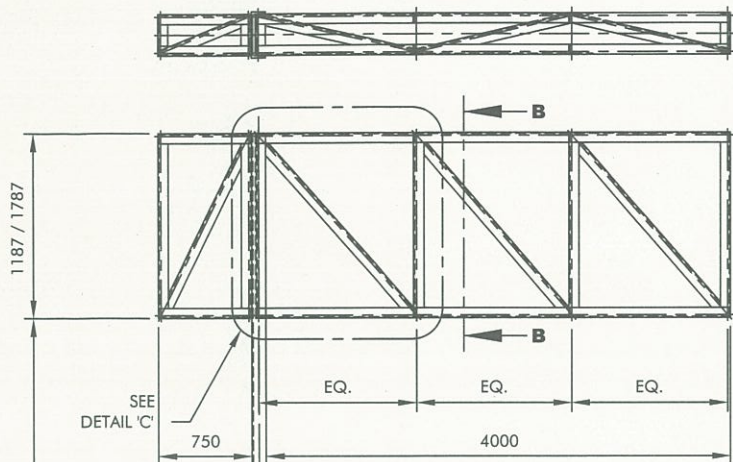


**3S-A2.1**

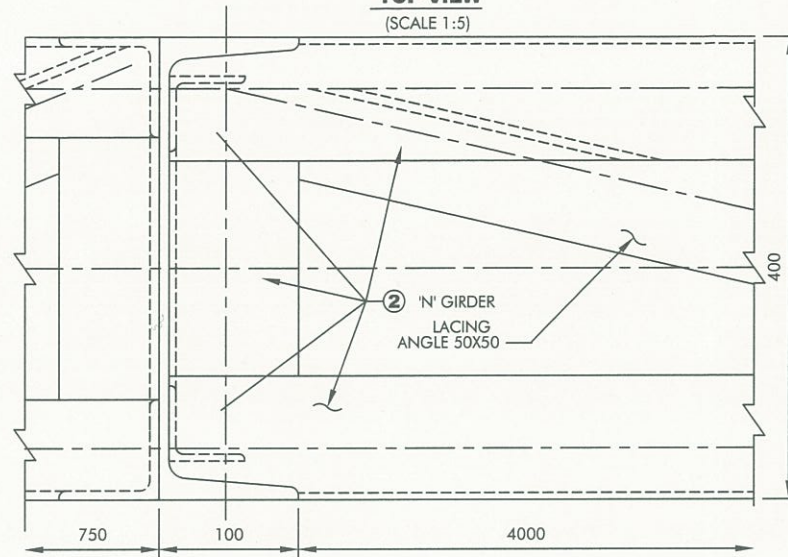
DRG. NO.

DATE :- 03-09-2001 | SCALE 1:30 | 56

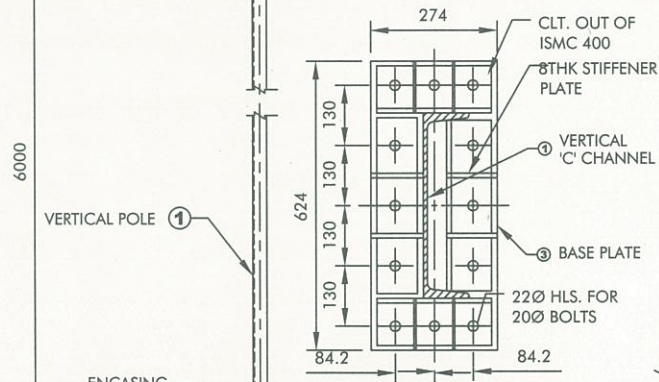
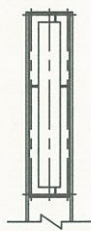
**TOP VIEW**



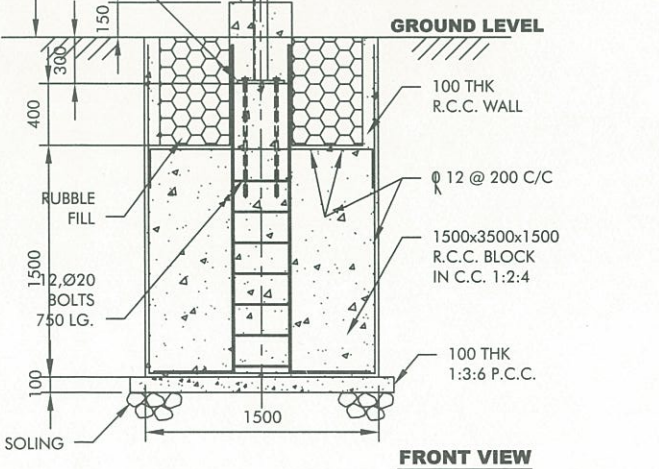
**TOP VIEW**  
(SCALE 1:5)



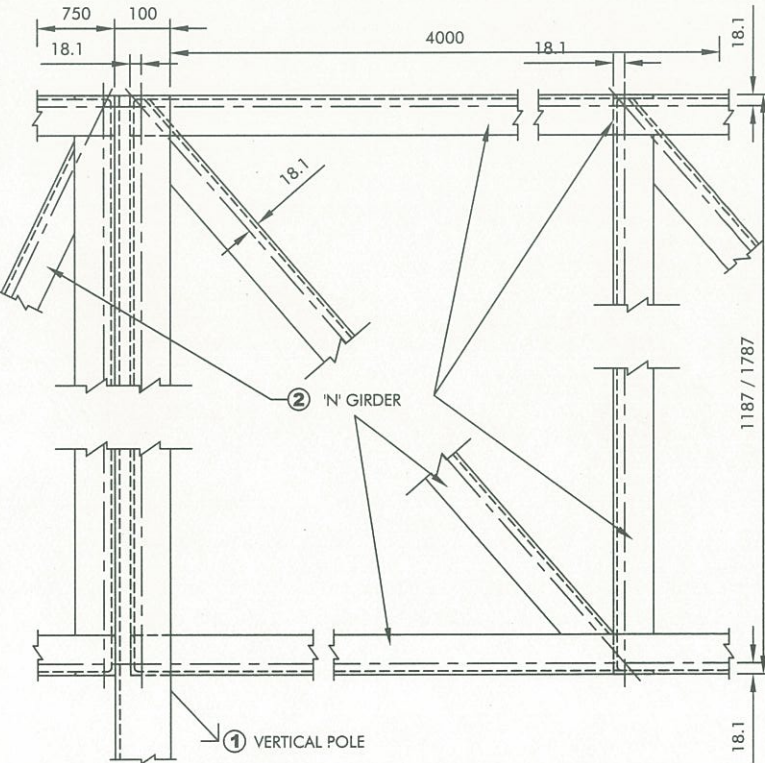
**SECTION B-B**



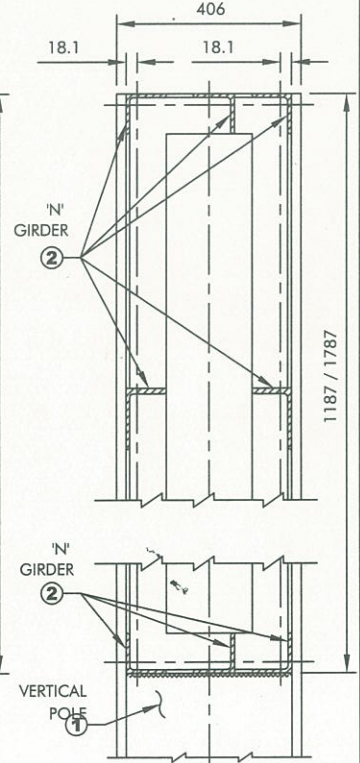
**PLAN @ BASE PLATE**  
SCALE 1:1.5



**FRONT VIEW**



**DETAIL 'C'**  
(SCALE 1:12.5)



**SECTION B-B**  
(SCALE 1:12.5)

**STRUCTURAL DETAILS**

**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**DIRECTION SIGN BOARD SINGLE SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 400 400X100	1
2	'N' GIRDER 'L' ANGLE	ISA 65x65	-
3	BASE PLATE	625 x 275 x 12 THK (MS)	1

ROAD TYPE	SIZE OF THE DIRECTION PANEL
ARTERIAL ROAD	1200 X 4000mm 1800 X 4000mm 2100 X 4000mm
HIGHWAY	1800 X 4000mm 2100 X 4000mm

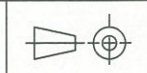
**STRUCTURAL SPECIFICATIONS**  
FOUNDATION: 1:2:4 CONCRETE  
SUPPORT: MS STRUCTURAL SECTION  
  
FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED  
  
COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**  
MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.  
COLOUR:- AS SPECIFIED

**NOTES**  
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.  
M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROADS AND HIGHWAYS - SINGLE SIDE CANTILEVER**



**3S-B1.1**

DRG. NO.

# SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & the committee for  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

## DIRECTION SIGN BOARD SINGLE SIDE CANTILEVER

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 300 7500 LG.	1
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	BASE PLATE	525 x 275 x 12 THK (MS)	1
4	COVER BOX AT TOP & BOTTOM	3 MM THK ALUMINIUM SHEET	2
5	SIGNAGE PLAQUE SHEET	4 MM THK ALUMINIUM SHEET	4
6	DOUBLE SIDED ADHESIVE TAPE	3M VHB #4956 OR EQUIVALENT	-
7	COUNTER SUNK SCREW	M10 x 16 LG	-

STRUCTURAL SPECIFICATIONS

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH  
ENAMEL PAINT /  
POLYURETHENE PAINT  
OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON  
3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

NOTES

\* INDICATES SHARP CORNER.  
UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP  
GALVANISED (8-10 μ) & COATED WITH  
TWO COATS EPOXY/HIGHBUILD  
POLYURETHENE PRIMER & PAINTED

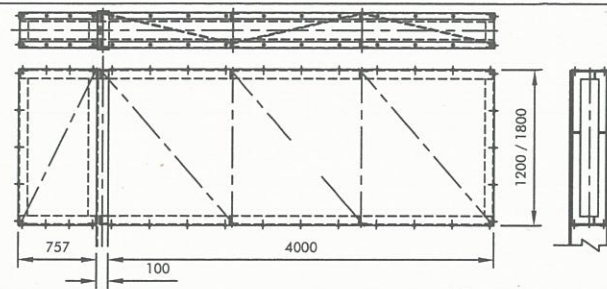
PARTS SHOULD BE FREE FROM ANY  
MANUFACTURING DEFECTS.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

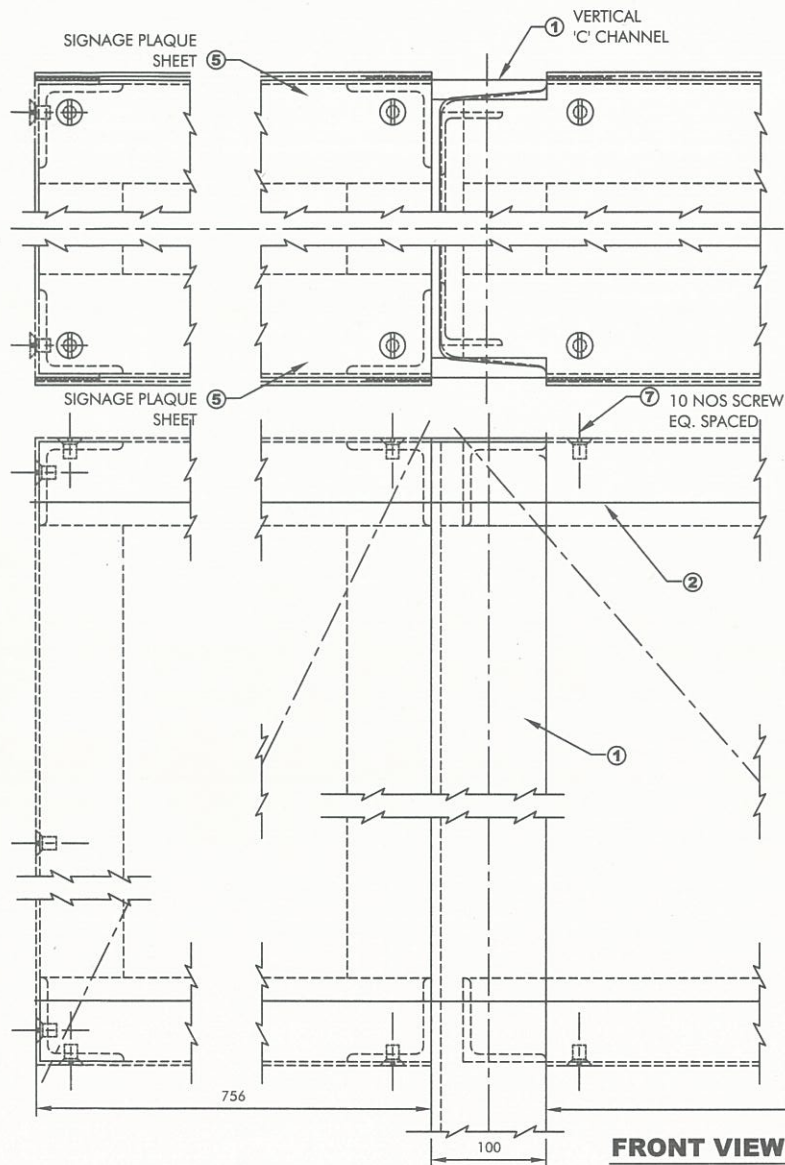
DATE :- 31-10-2001

SCALE 1 : 6

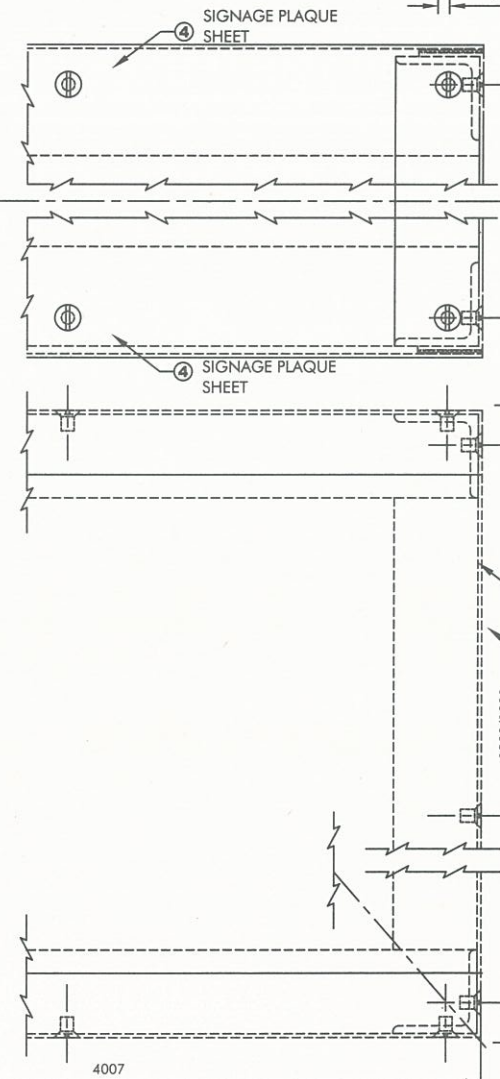
58



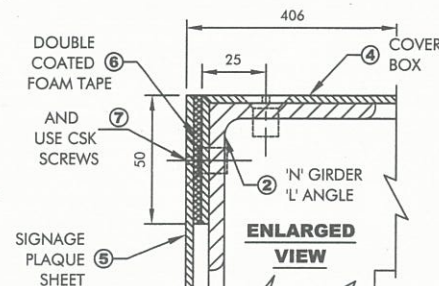
**TOP VIEW**



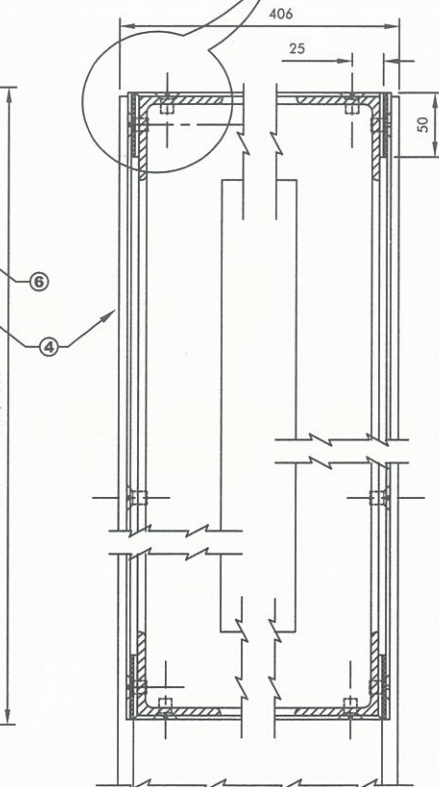
**FRONT VIEW**



**SIGN PLAQUE ASSEMBLY**



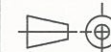
**ENLARGED VIEW**



**SIDE VIEW**

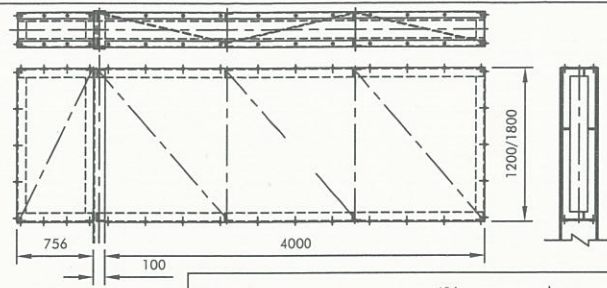
**OPTION-2**

### DIRECTION SIGNS FOR ARTERIAL ROADS AND HIGHWAYS - SINGLE SIDE CANTILEVER

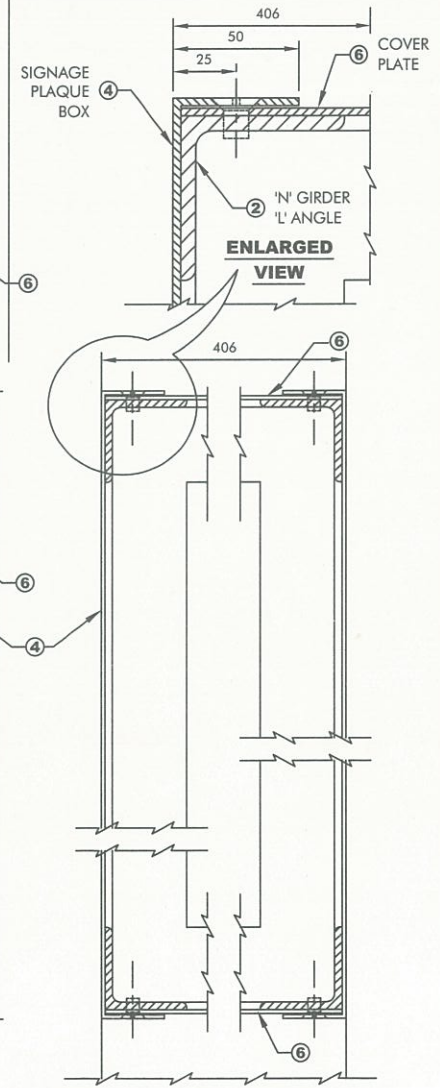
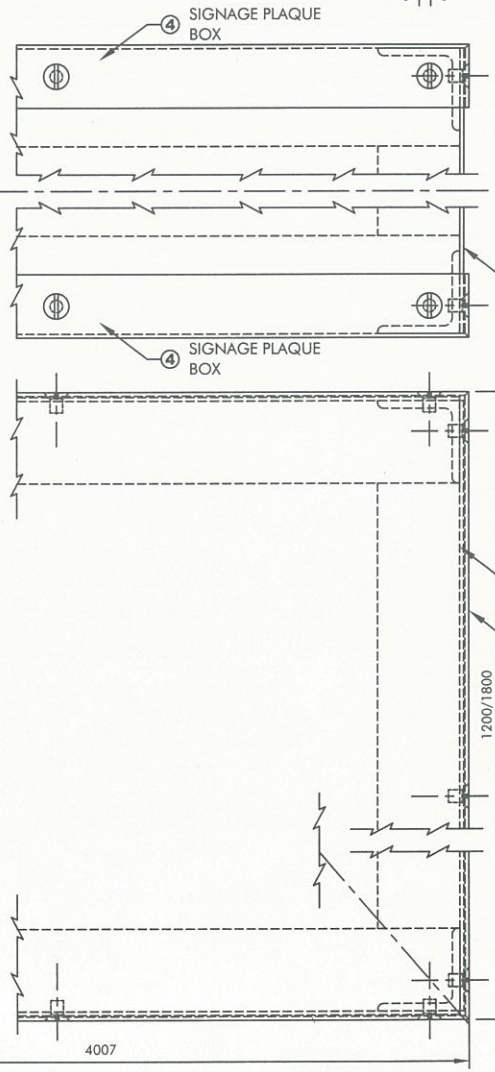
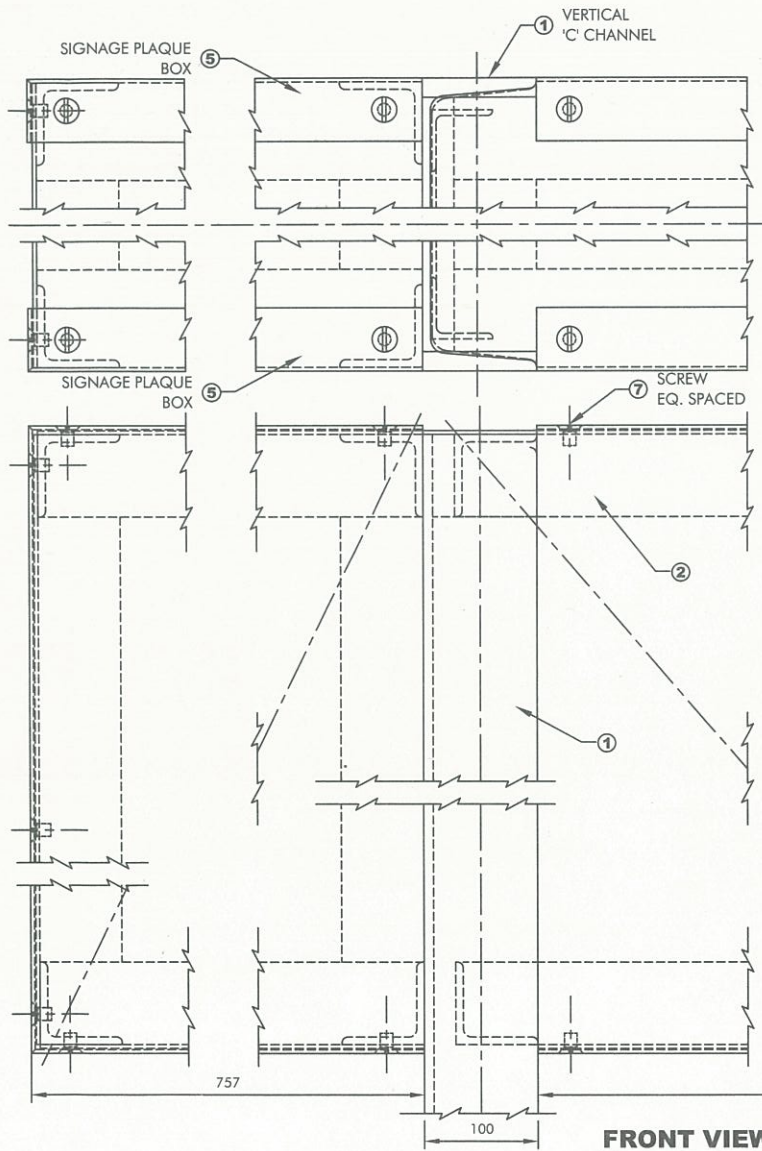


**3S-B1.2**

DRG. NO.



**TOP VIEW**



**FRONT VIEW**

**SIGN PLAQUE ASSEMBLY**

**OPTION-2**

**SIDE VIEW**

**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for  
 MUMBAI'S INITIATIVE FOR THE PROTECTION &  
 IMPROVEMENT OF STREETS & PUBLIC SPACES  
**DIRECTION SIGN BOARD**  
**SINGLE SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 400	1
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	BASE PLATE	625 x 275 x 12 THK (MS)	1
4	SIGNAGE PLAQUE BOX	3 MM THK ALUMINIUM SHEET	2
5	SIGNAGE PLAQUE BOX	3 MM THK ALUMINIUM SHEET	2
6	COVER PLATE	3 MM THK ALUMINIUM SHEET	2
7	COUNTER SUNK SCREW	M10 x 16 LG	-

**STRUCTURAL SPECIFICATIONS**

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHANE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

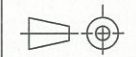
**NOTES**

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHANE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROADS AND HIGHWAYS - SINGLE SIDE CANTILEVER**

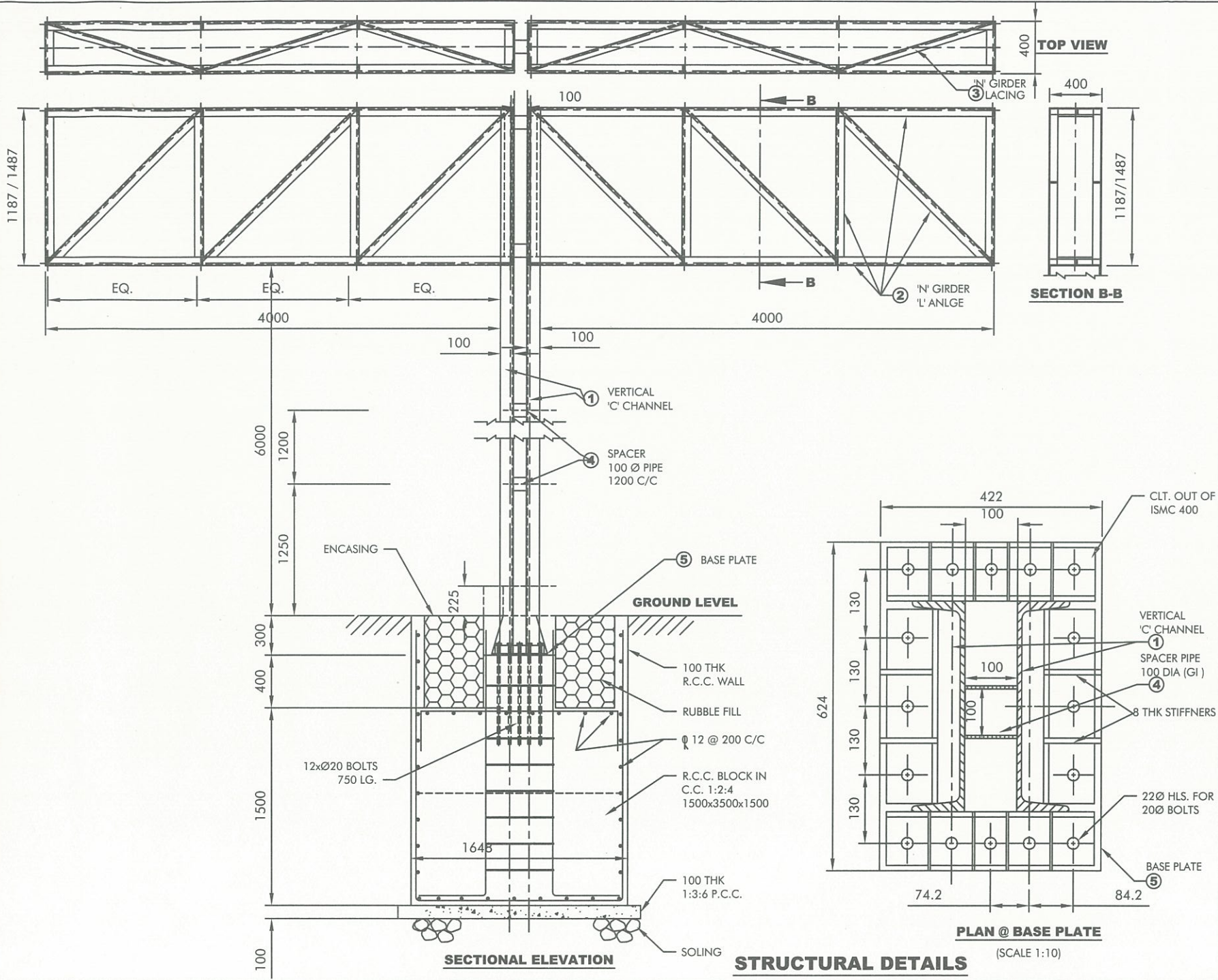


**3S-B1.3**

DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 31-10-2001      SCALE 1 : 6      **59**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**DIRECTION SIGN BOARD BOTH SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL 'C' CHANNEL	ISMC 400	2
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	'N' GIRDER LACING, 'L' ANGLE	ISA 50	-
4	SPACER PIPE	100 DIA PIPE 6 THK (GI) 100 HT.	6
5	BASE PLATE	625 x 425 12 THK (MS)	

ROAD TYPE	SIZE OF THE DIRECTION PANEL
ARTERIAL ROAD	1200 X 4000mm 1800 X 4000mm 2100 X 4000mm
HIGHWAY	1800 X 4000mm 2100 X 4000mm

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHANE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS  
 MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

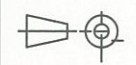
COLOUR:- AS SPECIFIED

NOTES  
 \* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 µ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHANE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROADS AND HIGHWAYS-BOTH SIDE CANTILEVER ('T' TYPE)**

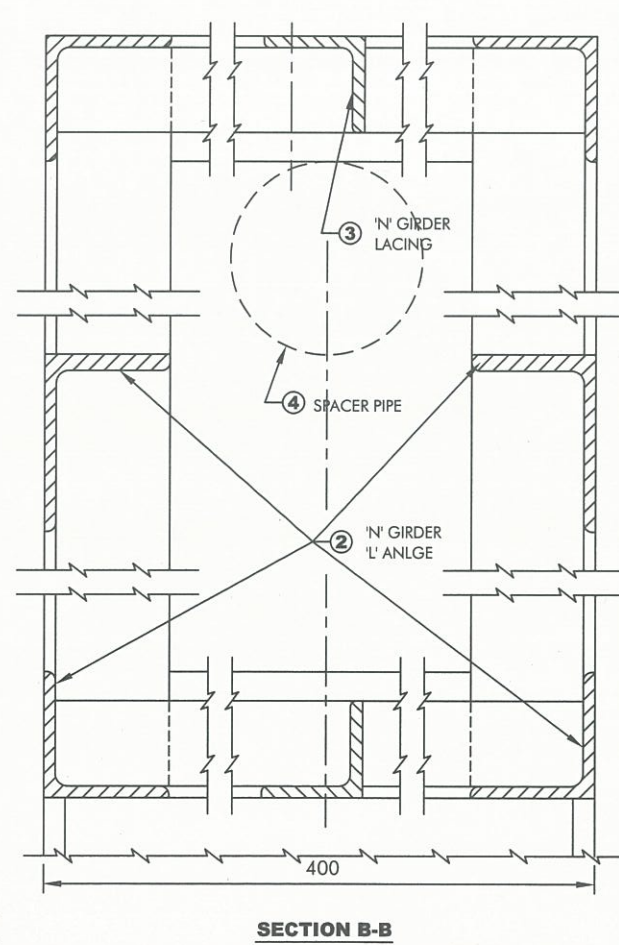
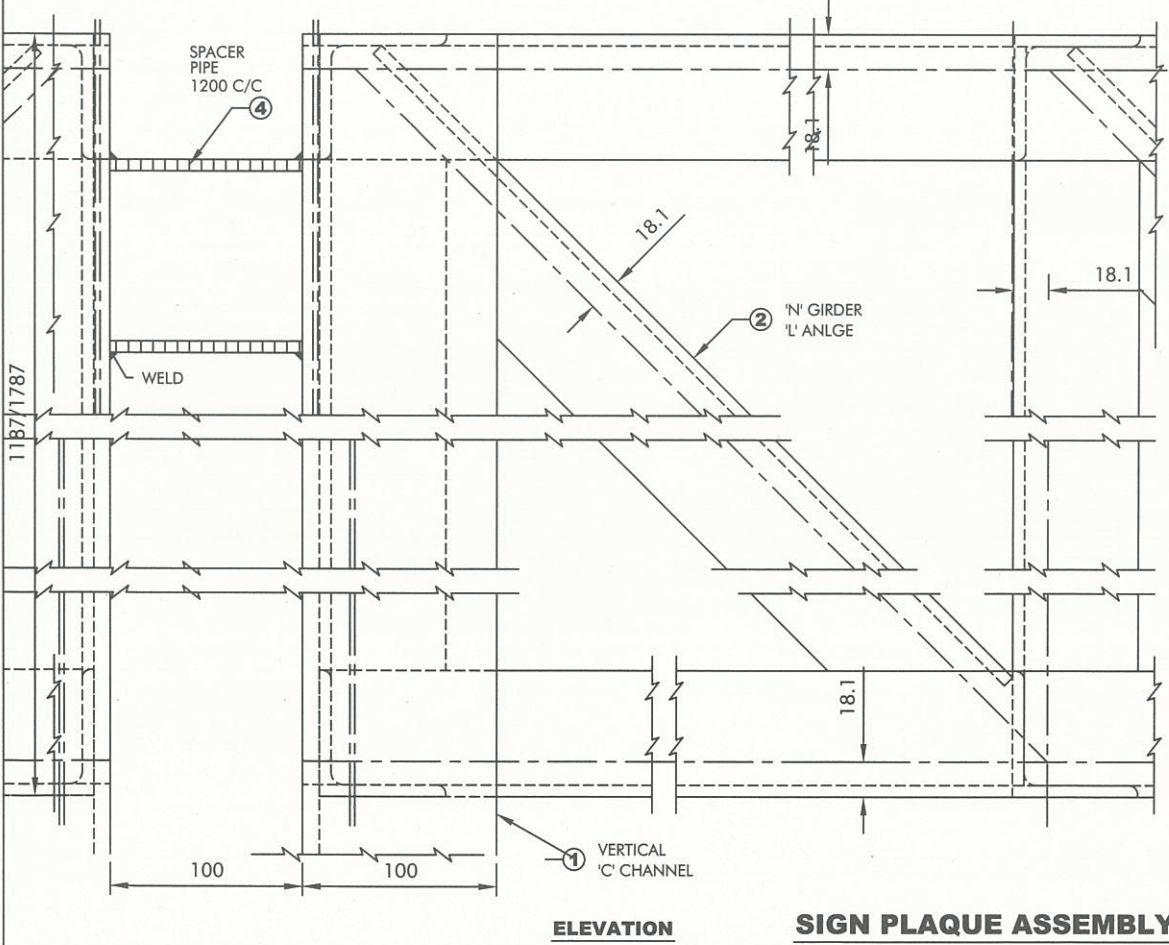
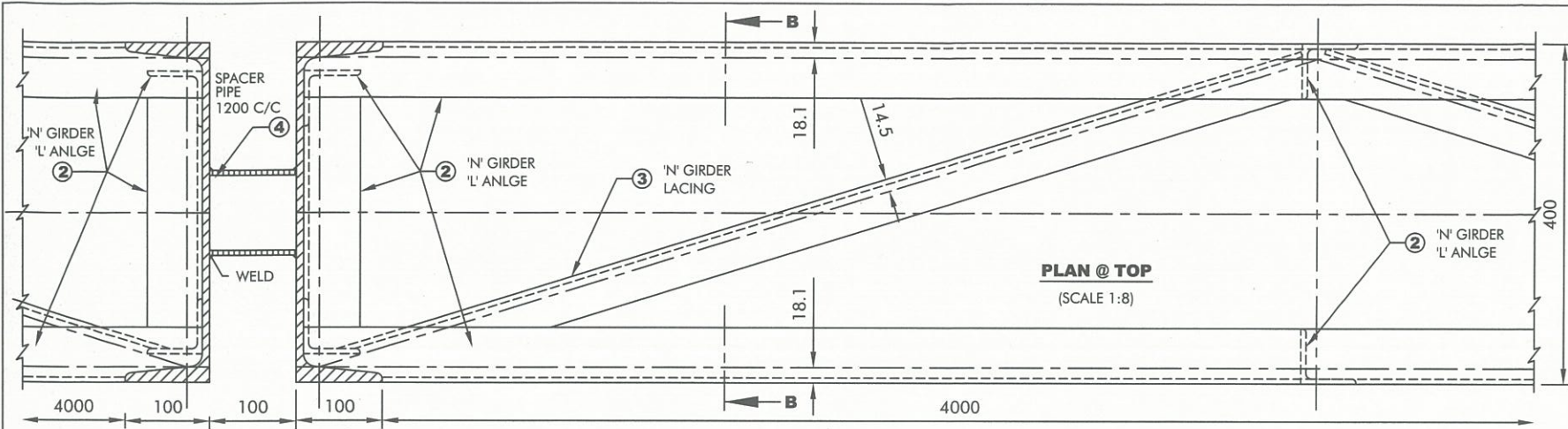


**3S-B2.1**

DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-11-2001 SCALE 1 : 40 **60**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**DIRECTION SIGN BOARD BOTH SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL C' CHANNEL	ISMC 400 7800 LG.	1
2	'N' GIRDER 'L' ANGLE	ISA 65	-
3	'N' GIRDER LACING, 'L' ANGLE	ISA 50	-
4	SPACER PIPE	100 DIA PIPE 6 THK ( GI ) 100 HT.	6

**STRUCTURAL SPECIFICATIONS**

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

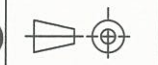
**NOTES**

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

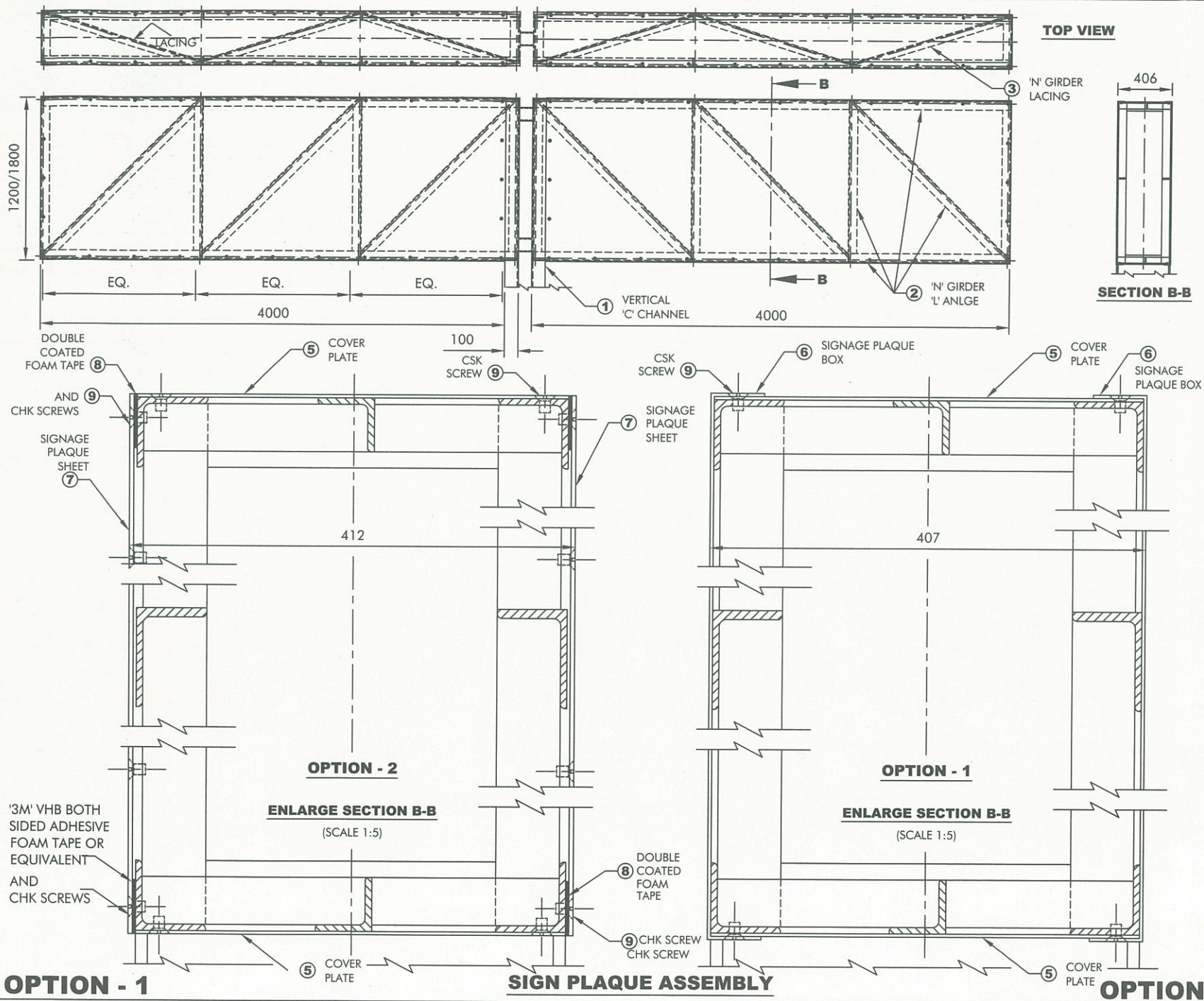
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROADS AND HIGHWAYS-BOTH SIDE CANTILEVER ('T' TYPE)**



**3S-B2.2**

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS  
 DATE :- 03-11-2001 SCALE 1 : 4 **61**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**DIRECTION SIGN BOARD BOTH SIDE CANTILEVER**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL C' CHANNEL	ISMC 400 400 x 100 7800 LG.	1
2	'N' GIRDER 'L' ANGLE	ISA 65x65 65x65x6 THK	-
3	'N' GIRDER LACING, 'L' ANGLE	ISA 50x50 50x50x6 THK	-
4	SPACER PIPE	100 DIA PIPE 6 THK (GI)	6
5	COVER PLATE	3 MM THK ALUMINIUM SHEET	5
6	SIGNAGE PLAQUE BOX	3 MM THK ALUMINIUM SHEET	4
7	SIGNAGE PLAQUE SHEET	4 MM THK ALUMINIUM SHEET	4
8	DOUBLE SIDED ADHESIVE TAPE	3M VHB TAPE #4956 OR EQUIVALENT	8
9	CSK SCREW	M10 x 1.6 LG.	

STRUCTURAL SPECIFICATIONS

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

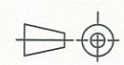
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

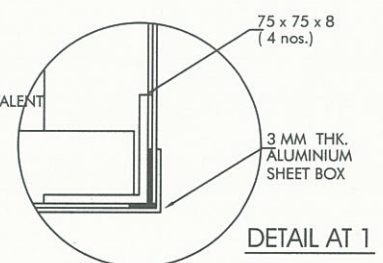
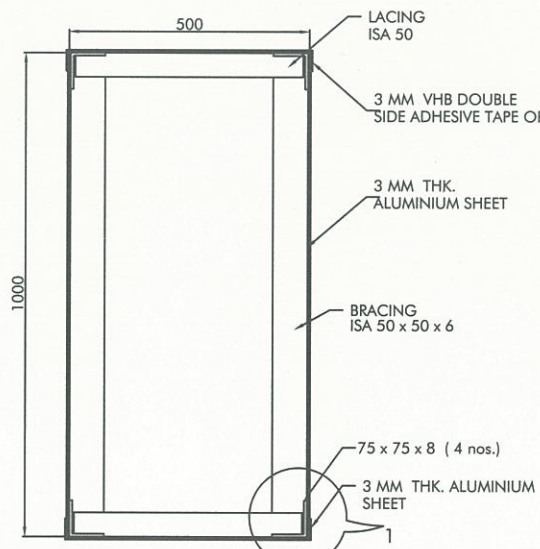
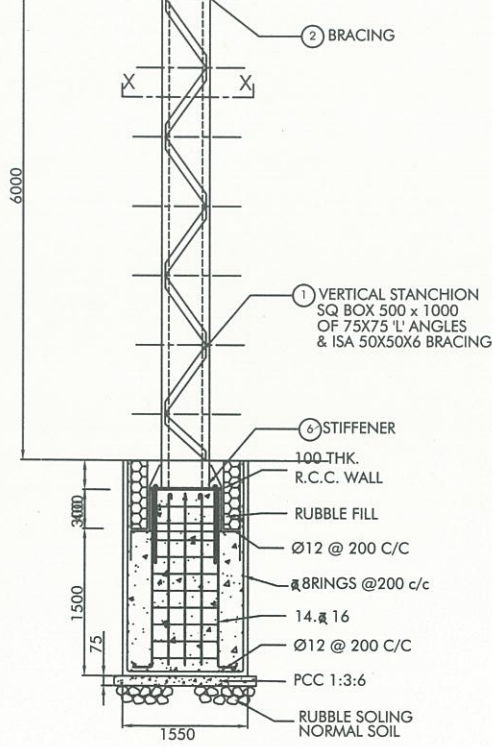
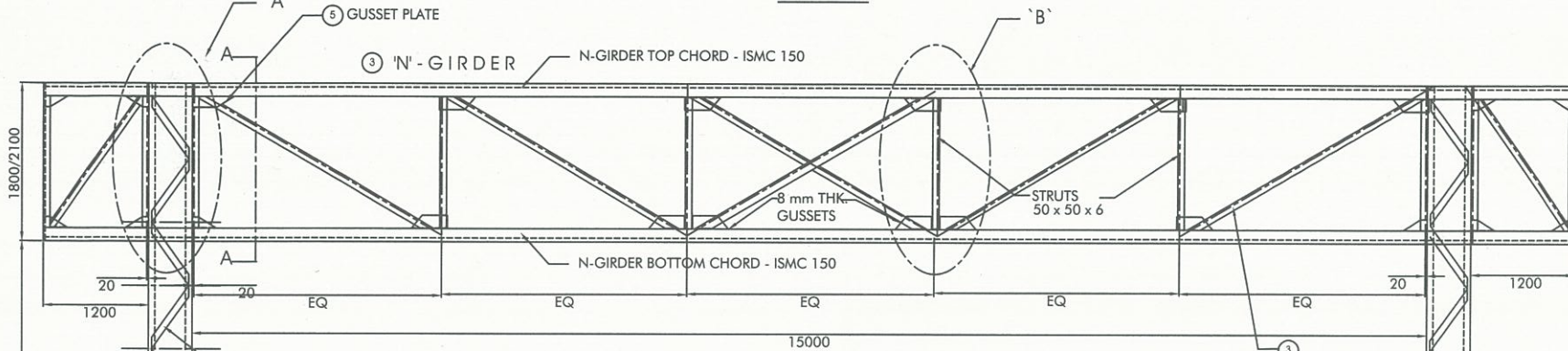
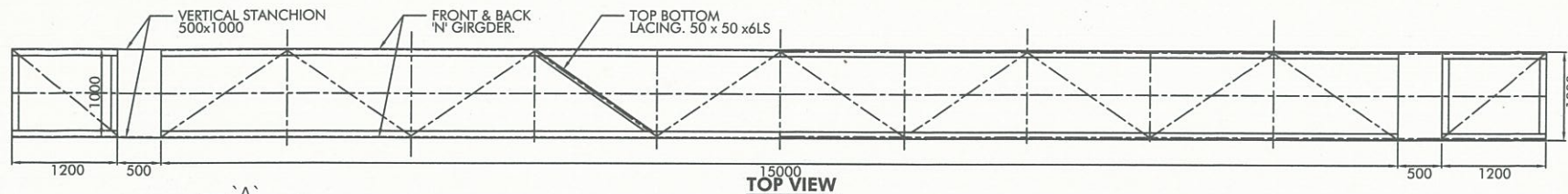
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS FOR ARTERIAL ROADS AND HIGHWAYS-BOTH SIDE CANTILEVER ('T' TYPE)**



**3S-B2.3**

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS



**IMPORTANT NOTES**

1 DETAILS SPECIFIED HERE ARE RELEVANT FOR A SPAN UP TO 15.0 M. HOWEVER, IT IS MANDATORY TO SUBMIT FRESH DRAWINGS APPROVED BY A STRUCTURAL CONSULTANT BEFORE EXECUTION.

2 IF THE SOIL IS MARSHY PILE FOUNDATION OF 6 NOS 400Ø SHOULD BE PROVIDED

3 IN ORDER TO MAINTAIN UNIFORMITY IN THE AESTHETICS OF THE GANTRIES IN THE CITY, GUIDELINES LAID IN THE MANUAL SHOULD BE ADHERED TO.

**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**DIRECTION SIGNS GANTRY**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL FABRICATED STANCHION	'L' ANGLE 75 x 75 x 6	4
2	BRACING	ISA 50	44
3	'N' GIRDER BRACING	'L' ANGLE ISA 75	36
4	STRUTS	'L' ANGLE ISA 50	4
5	GUSSET PLATES	475 x 125 8MM THK. (SS)	8
6	STIFFENER PLATES	8 MM THK. TYP (SS)	1
7	BASE PLATE	275 x 625 x 12 THK. (SS)	1

**STRUCTURAL SPECIFICATIONS**

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

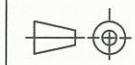
**NOTES**

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 µ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**DIRECTION SIGNS - GANTRY - CONCEPTUAL DWG.**

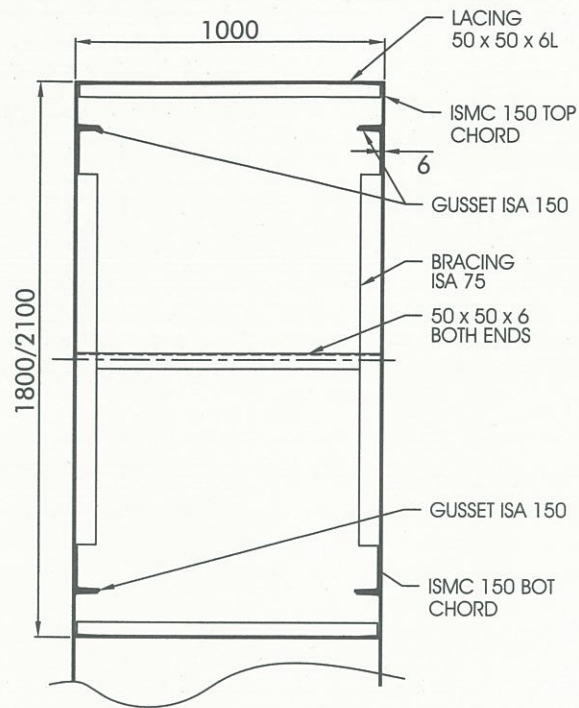


**3S-C1.1**  
 DRG. NO.

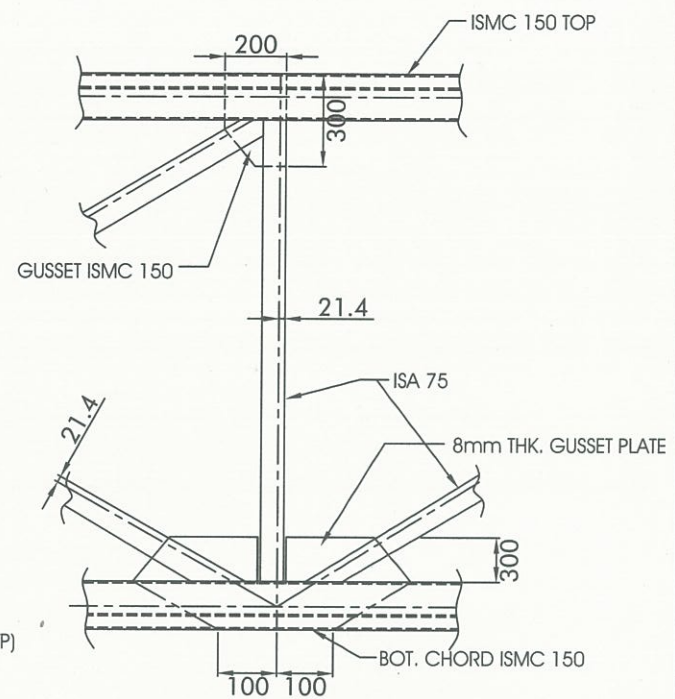
DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001    SCALE 1:80    63

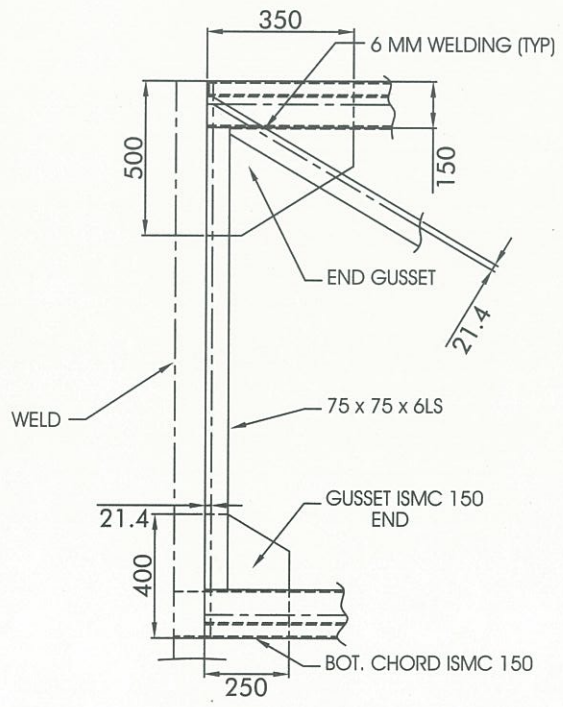




SECTION A-A



DETAIL B



DETAIL A

**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**DIRECTION SIGNS GANTRY**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL COLUMN	'L' ANGLE 75 x 75 x 6 ISMC	1
2	HORIZONTAL POLE	C' CHANNEL 400 x 100 ISMC	4
3	'N' GIRDER	'L' ANGLE ISA 75	36
4	SUPPORT CHANNEL	'L' ANGLE ISA 50	4
5	GUSSETS PLATE	475 x 125 8MM THK. (SS)	
6	STIFFENER PLATES	8 MM THK. TYP (SS)	8
7	BASE PLATE	275 x 625 x 12 THK. (SS)	1

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHANE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

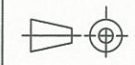
COLOUR:- AS SPECIFIED

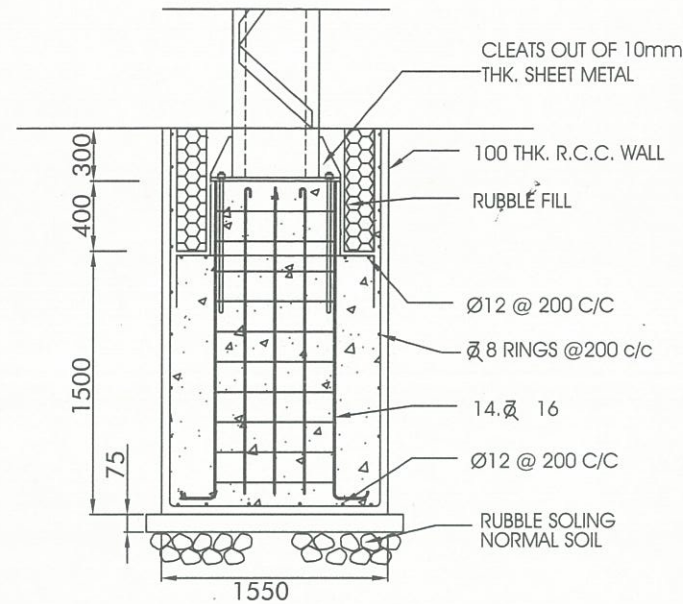
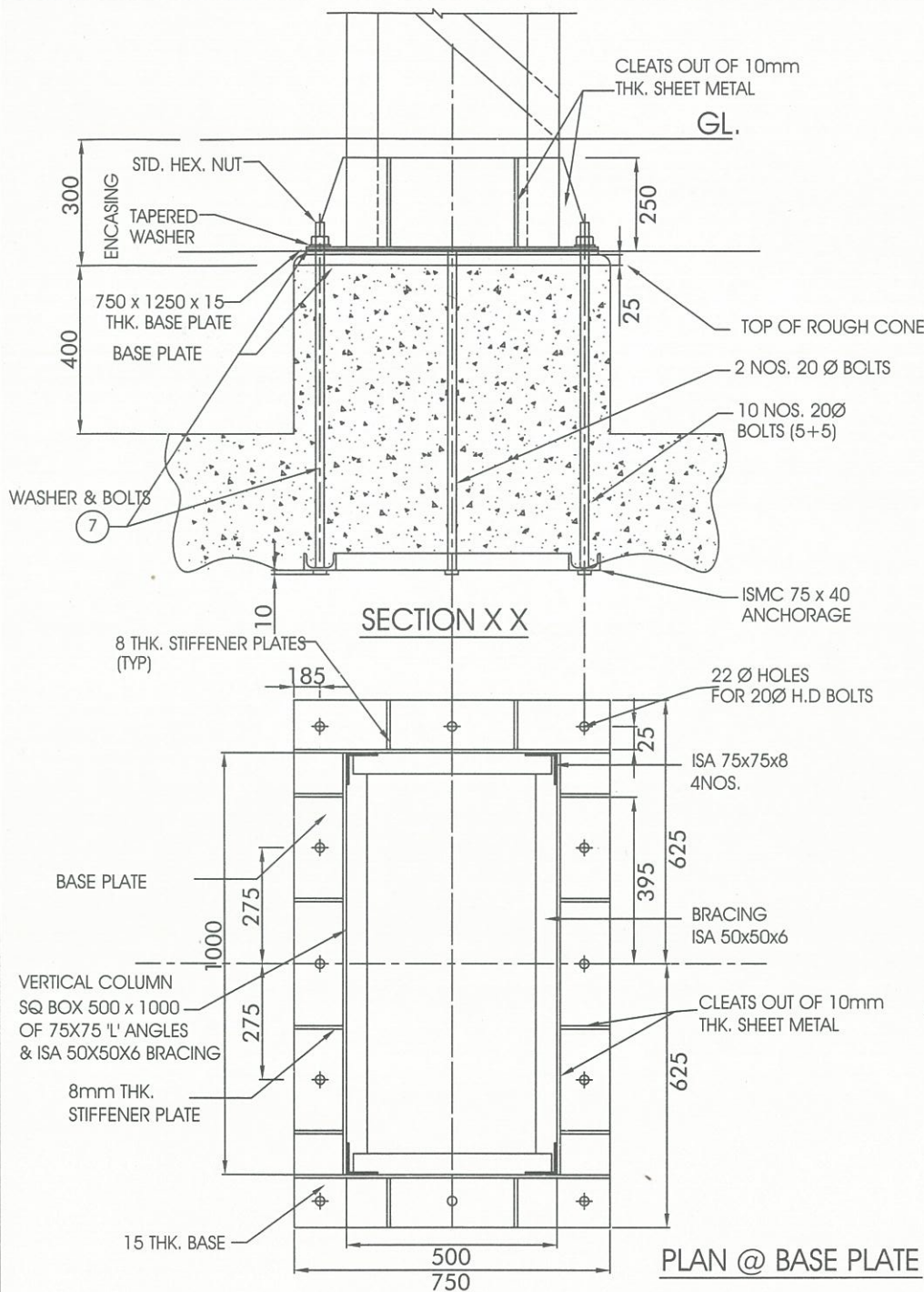
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

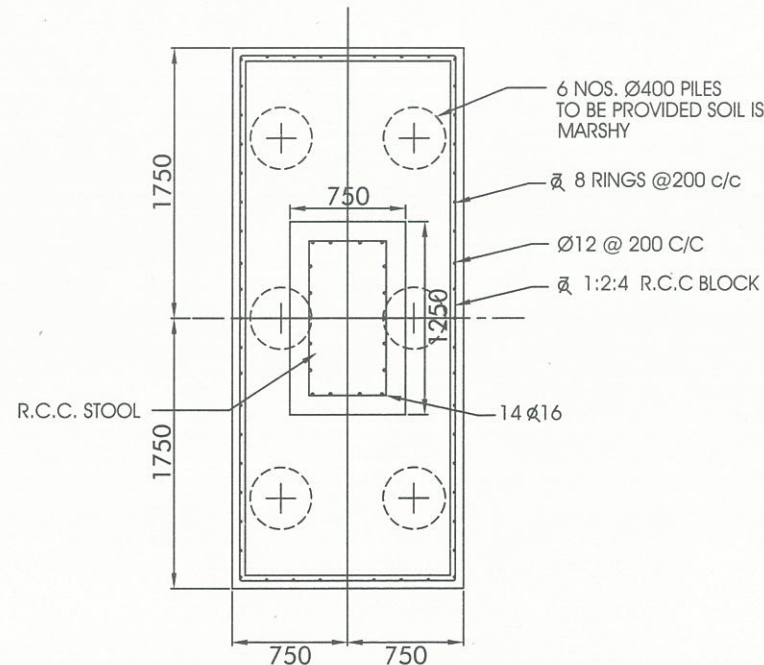
M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.





SECTION THROUGH FOUNDATION



PLAN OF R.C.C FOUNDATION BLOCK

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**DIRECTION SIGNS GANTRY**

NO	DESCRIPTION	MATERIAL	QTY

**IMPORTANT NOTES**

1 DETAILS SPECIFIED HERE ARE RELEVANT FOR A SPAN UP TO 15.0 M. HOWEVER, IT IS MANDATORY TO SUBMIT FRESH DRAWINGS APPROVED BY A STRUCTURAL CONSULTANT BEFORE EXECUTION.

2 IF THE SOIL IS MARSHY PILE FOUNDATION OF 6 NOS 400Ø SHOULD BE PROVIDED

3 IN ORDER TO MAINTAIN UNIFORMITY IN THE AESTHETICS OF THE GANTRIES IN THE CITY, GUIDELINES LAID IN THE MANUAL SHOULD BE ADHERED TO.

**STRUCTURAL SPECIFICATIONS**

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTIONS

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHANE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

**NOTES**

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 µ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHANE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

**DIRECTION SIGNS - GANTRY (FOUNDATION DETAILS)**



**3S-C1.3**

DRG. NO.

DATE :- 03-09-2001 SCALE 1: 50 65

# 4 Signage system

## INDICATION SIGNS

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**A SUPPORT STRUCTURE**

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**B LOCAL FACILITIES**

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**C OTHER INFORMATION**

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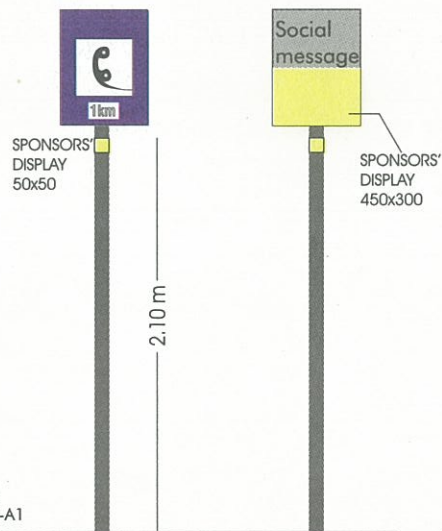
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## Single Indication sign on free-standing pole

This should be used when there is no light post available in the vicinity for a traffic sign. 50 x 50 MS square pipe to be used for vertical pole structure. The rear side should be used for sponsors logo / other display.



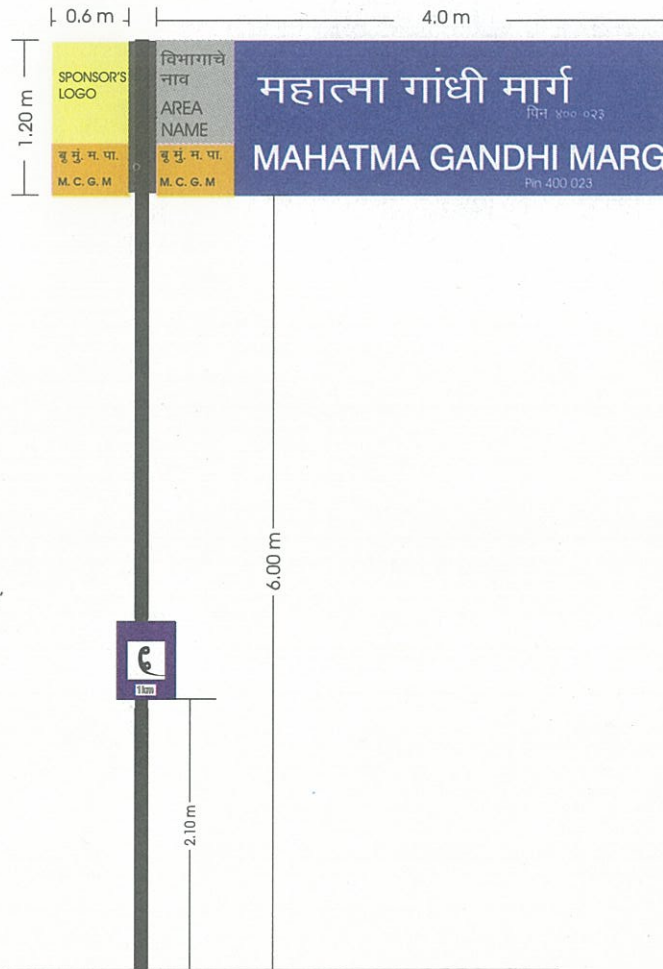
For details refer to 1S-A1

4S - A1

REAR SIDE USED FOR SPONSORS DISPLAY & SOCIAL MESSAGES

## Indication signs on Existing Name Boards

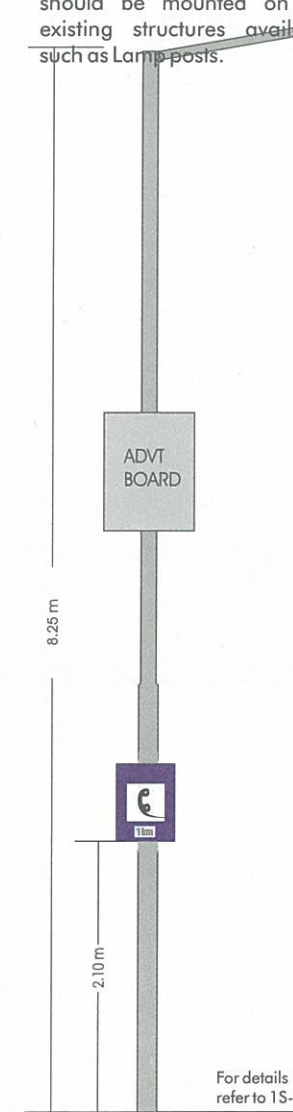
To reduce the clutter of signage poles on the pavement, signs should be mounted on the existing structures available such as Name boards for Arterial road.



4S - A2

## Indication Traffic signs on Existing Lamp post

To reduce the clutter of signage poles on the pavement, signs should be mounted on the existing structures available such as Lamp posts.



For details refer to 1S-A3

4S - A3

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## Traffic signs Informatory Signs

## Indication Signs

## A SUPPORT STRUCTURES

### STANDARD 'IRC' SIGNS

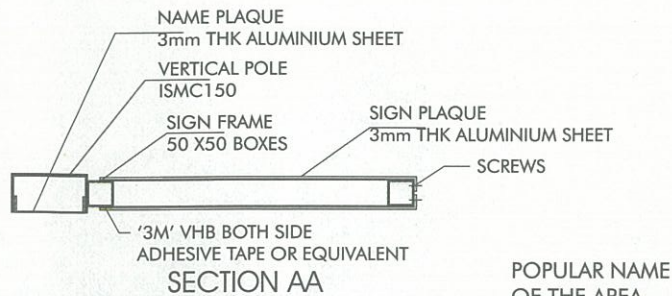
Standard 'IRC' indication sign boards should be mounted on free standing structures or other existing structures such as Lamp posts & Name boards.

They should conform to the sizes specified by 'IRC' (Indian Road Congress: ref: page no 9 of the manual).

## SIGNAGE SPECIFICATION

High intensity grade Retro Reflective Film

Follow the colour code specified by the 'IRC'.



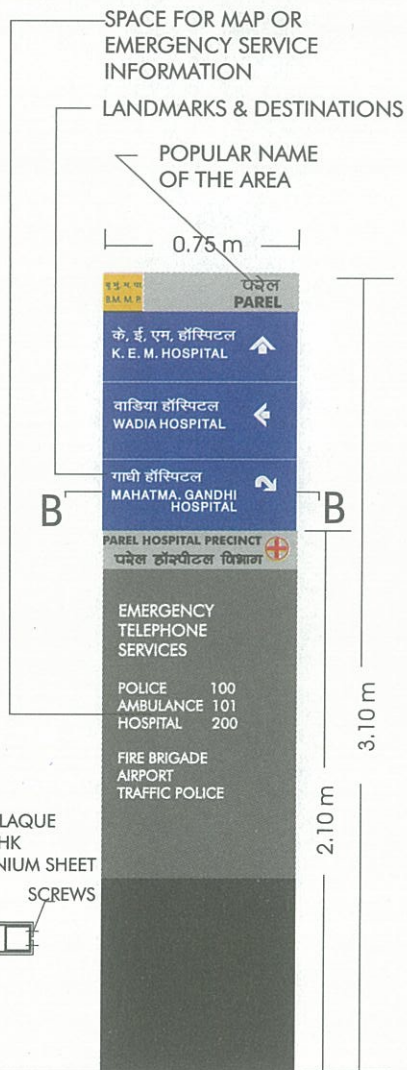
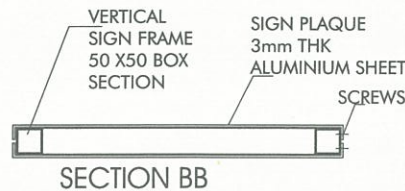
## INFORMATION BOARD

These boards should be used to direct people to local facilities such as hospitals, Railway stations and important public buildings.

They should be either in written form or represented graphically in White, on a Blue back ground .



4S-B1  
Indication board  
for local facilities



4S-B2

## STREET FURNITURE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## Traffic signs Informatory Signs

## Indication Signs

## B FOR LOCAL FACILITIES

## SIGNAGE SPECIFICATION

High intensity grade  
Retro Reflective Film

**Colours**  
Blue back ground  
Letters White

**Fonts :**  
English : **Helvetica**  
With normal spacing  
Marathi : **Yogesh**  
With normal spacing

## HEIGHTS for DESTINATIONS

दहिसार 35 mm  
DAHISAR 25 mm  
35 mm

## HEIGHTS for ROAD NAME

दहिसार 35 mm  
DAHISAR 25 mm  
35 mm

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

Traffic signs  
Informatory Signs

**Indication  
Signs**

**C OTHER  
INFORMATION**

Information about local landmarks & eminent buildings should be graphically put on the available spaces such as the rear side of the Traffic sign boards wherever possible.

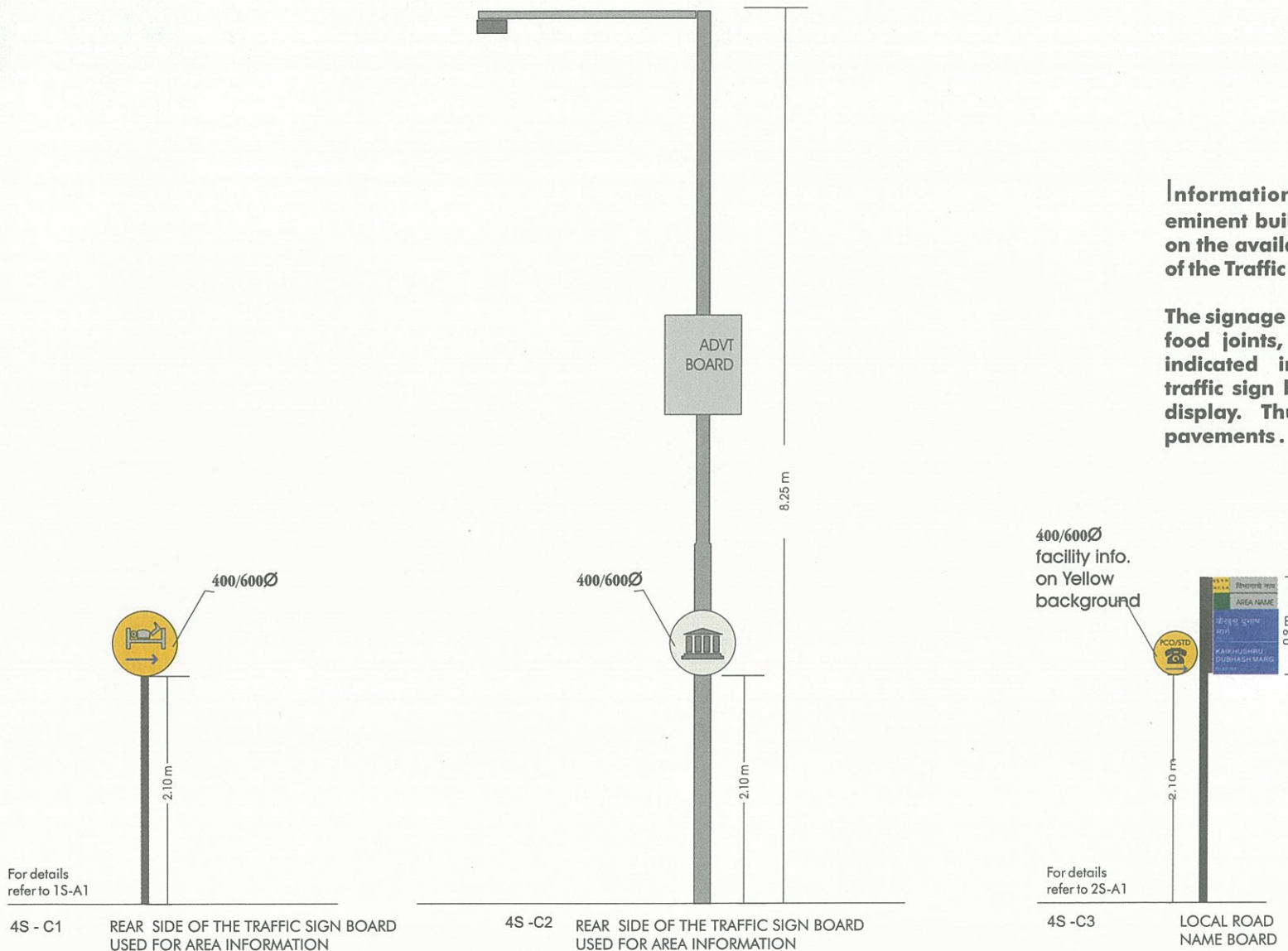
The signage of local amenities like telephone, food joints, xerox etc., that are commonly indicated in yellow colour; the back of the traffic sign boards should be used for their display. Thus organising the clutter on pavements.

**SIGNAGE  
SPECIFICATION**  
High intensity grade  
Retro Reflective Film

**Colours**  
Yellow back ground  
**Letters White & Black**

**Fonts :**  
English : Helvetica  
With normal spacing  
Marathi : Yogesh

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS



For details refer to 1S-A1

400/600Ø facility info. on Yellow background

For details refer to 2S-A1

**Section B**

**5** Signage System

**PEDESTRIAN  
SIGNS**

---

**A PUBLIC SPACE  
NAME BOARDS**

---

**LOW HEIGHT SIGNS**

---

**TALL SIGNS**

---

---

**MAPS & AREA  
INFORMATION BOARDS**

---

**B PRIMARY MAP/  
INFO-BOARD**

---

**C SECONDARY MAP/  
INFO-BOARD**

---



# 5S

**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**  
M. C. G. M. & THE COMMITTEE FOR  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

## Pedestrian Signs



## PEDESTRIAN SIGNS

In addition to the Traffic signs, pedestrian signs provide information about utility elements, facilities, emergency services, history of the area, names and history of important buildings or monuments. They are meant to guide people of all age groups and should be more intimate to human scale. They should be easily accessible, visible and legible and should be suitably placed where people halt or wait.

Signages such as names of areas and roads and general direction signs could be the same for pedestrians as well as vehicular traffic.

## TYPES OF PEDESTRIAN SIGNS

### NAME BOARDS

These signs indicate names and "Area boundaries".

### AREA MAPS and INFORMATION BOARDS

Mainly show area details and routes with additional information on utility elements, facilities, emergency services and history of the area.

### SIGNAGE FOR OPEN PUBLIC SPACES "PEDESTRIAN ZONES"

These comprise of name boards, information boards and signs indicating entry/exit, public utilities, timings and other regulations such as public notices and periodic information boards.

## Public space Name Boards

Public space name boards are used for areas where public gatherings are planned, viz Recreation parks, Art plazas etc. These should be located,

- Near important public spaces.
- Should be placed on pavement, and parallel to the road.

The smaller versions should be used in areas which are less prone to vandalism, such as recreation parks and grounds, etc.

The same design can be used for various heights as mentioned below,

No	Total Ht.	Support Channel	RCC panel width	Signage plaque	Sponsors' display
A	1100	ISMC 200	400	450x450	189x200
B	1500	ISMC 200	500	600x600	189x200
C	2100	ISMC 300	800	900x900	287x300
D	3000	ISMC 350	1000	1200x1200	336x350

The details given in the manual are for varied sizes mentioned above. Corresponding drawings and the chart should be referred together to get relevant details.

### Option 1

Symmetrical board mounted on 'C' channel structure.

Signage plaque should be in stainless steel sheet & etched or should be in 3mm thick aluminium sheet finished in vinyl stickers.

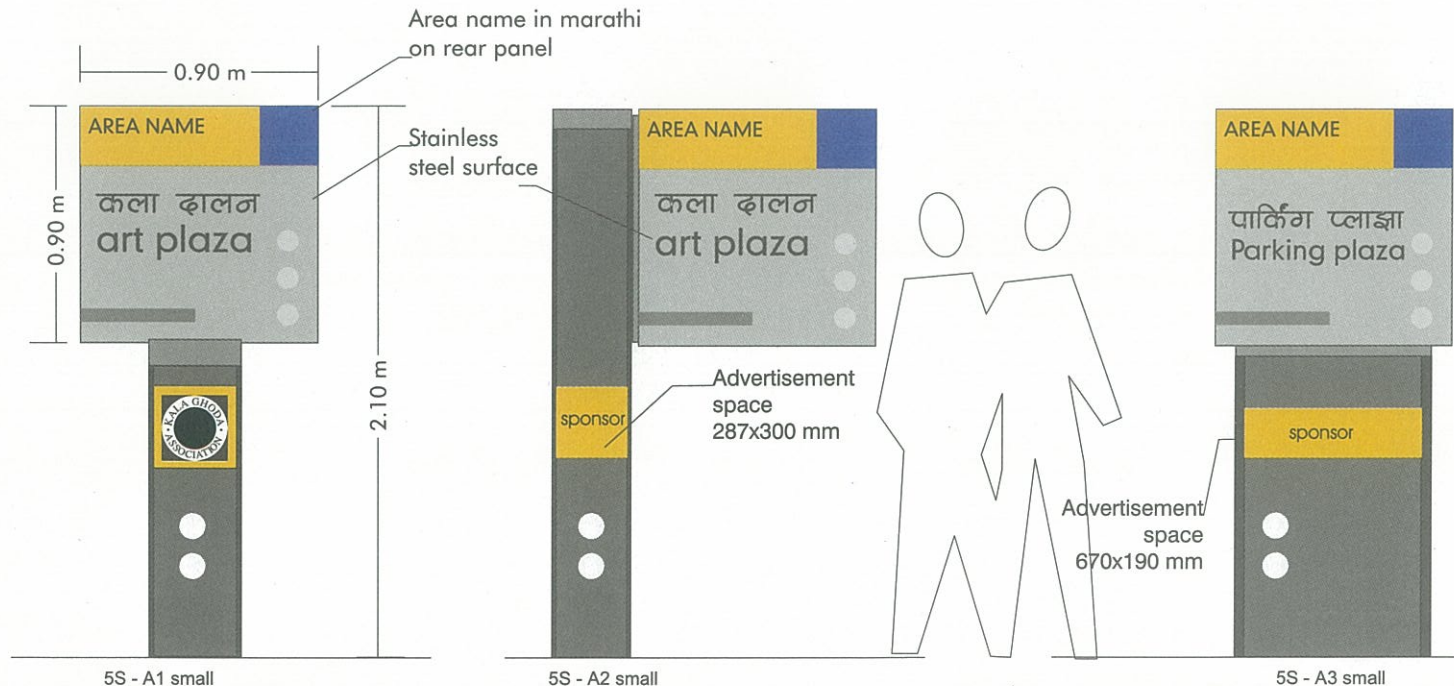
### Option 2

Cantilevered board mounted on 'C' channel structure.

Signage plaque should be in stainless steel sheet & etched or should be in 3mm thick aluminium sheet finished in vinyl stickers.

### Option 3

An R.C.C. Panel or brick masonry wall as vertical structure clad with a stainless steel box panel-etched or an aluminium sheet box with graphic in vinyl stickers.



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## Pedestrian Signs

## Public Space

## Name Boards

### A LOW HEIGHT SIGNS

Public space name boards are used for areas where public gatherings are planned, viz Recreation parks, Art plazas etc.

### LOCATION

- 1 Near important public spaces.
- 2 Should be placed on pavement, and parallel to the road.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

### Option 1

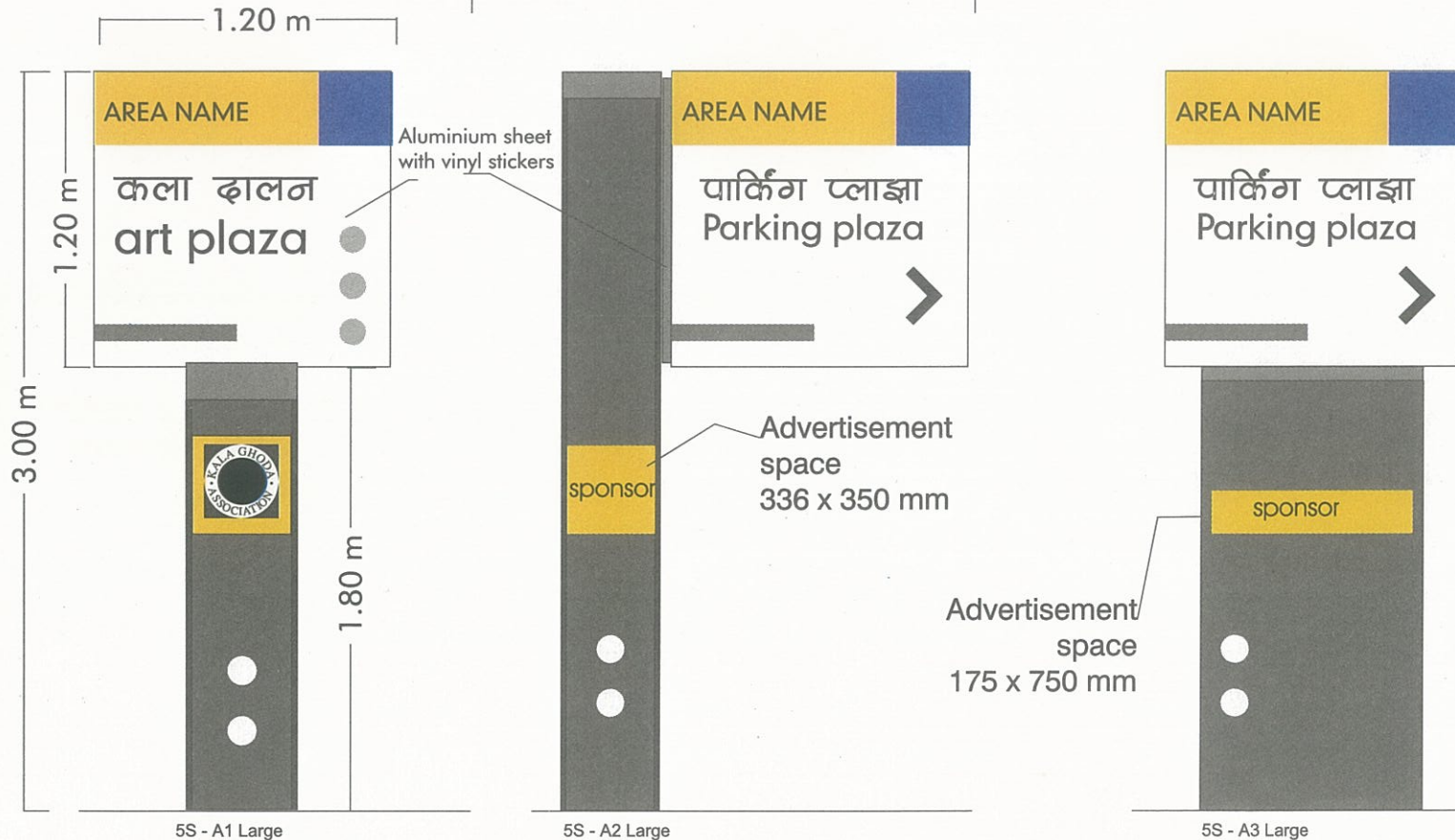
Symmetrical board with with 'C' channel structure aluminium sheet box. Taller versions should be used in areas which are not guarded and are prone to vandalism.

### Option 2

Cantilevered board with with 'C' channel structure aluminium sheet box. Taller versions should be used in areas which are not guarded and prone to vandalism.

### Option 3

RCC Slab as vertical structure clad with aluminium sheet box.



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

# Pedestrian Signs

## Public space

## Name Boards

### A TALL SIGNS

Tall signs should be used in areas which are not guarded and are prone to vandalism.

### LOCATION

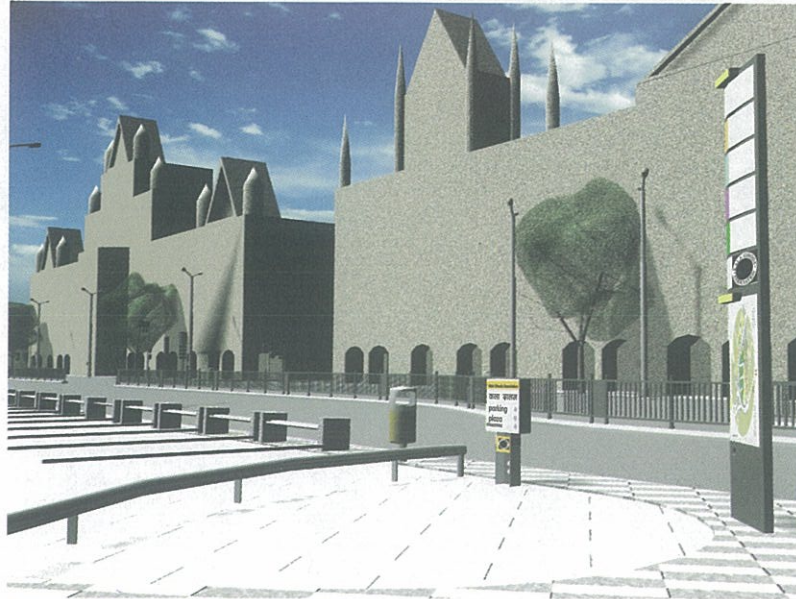
- 1 Near important public spaces.
- 2 Should be placed on pavement, and parallel to the road

**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & THE COMMITTEE FOR  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

**Pedestrian  
Signs**

**Maps & Area  
Information  
Boards**



Parking Plaza as seen from Rhythm House

## INFORMATION BOARD

### DESIGN FEATURES OF THE SYSTEM :

Area Maps should be complimented with the information about the area.

These boards should be specially designed for Art precincts, Heritage precincts, Business precincts.

They should have a detail map of the area with important buildings, landmarks and routes clearly indicated.

They should also furnish the pedestrians with other information like history of the area interesting facts along with utilities, emergency services and so on.

### GUIDELINES FOR PLANNING AND PLACEMENTS

Information signs designed for identified precincts or zones could be placed near public squares or parks and cultural, pedestrian or tourist zones.

- Sizes , proportions and finishes specified in the drawings should be adhered to. In case of unavailability of the specified ones, an equivalent material or process should be chosen with the prior approval of the MCGM.

### Primary Maps & Area Info-Boards

These boards are at lower height, interacting at a more intimate level with the pedestrians.

Information Boards could also be made of printed and fired ceramic tiles clad over brick wall or RCC panels or in Etched panels of stainless steel sheet.

### Secondary Maps & Area Info-Boards

Small size information boards are placed at a height making them inaccessible for vandalism. They provide information at secondary level in more detail.

In these cases maps should be made of printed Vinyl Stickers in matt finish with the base material of aluminium or SS sheets.

If necessary they could be back lit.

### Tertiary Maps & Area Info-Boards

These could happen at various levels, viz

- Low height information boards.
- Flooring inlay.
- Integrated in bus shelters.

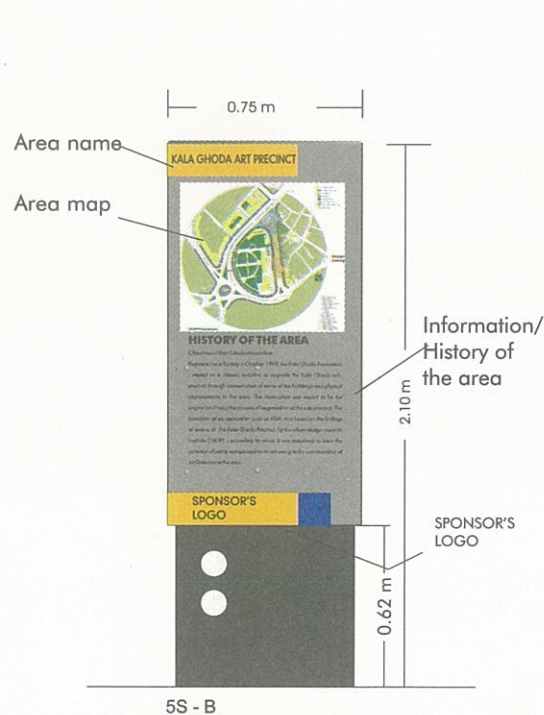
## SIGNAGE

### FOR MUMBAI & ITS SUBURBS

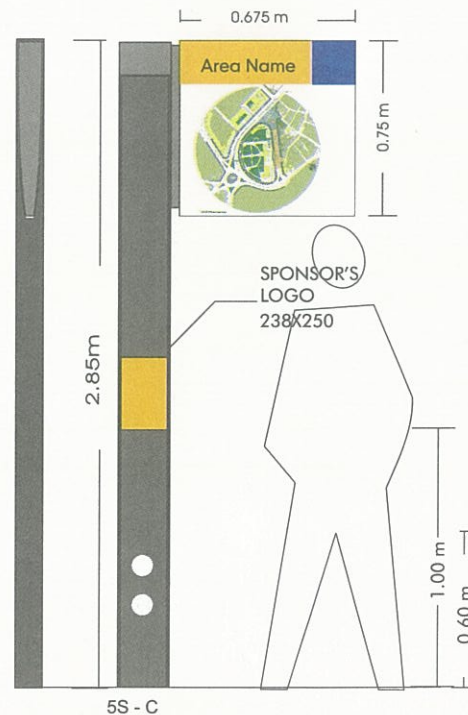
M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

# Pedestrian Signs

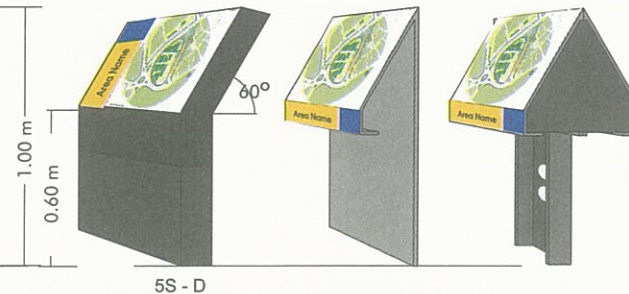
## Maps & Area Information Boards



5S - B  
Maps supported with information or history of the area & the emergency services etc.



5S - C  
Maps for Local Streets with information about the area



5S - D

To bring about variation in the street furniture, different materials should be used, such as;

- 1 Printed/ vinyl stickers on Aluminium sheet.
- 2 Clad with fired & painted ceramic tiles.
- 3 Etched and painted stainless steel sheet.

## LOCATION

- Should be placed,
- 1 Near important public spaces.
  - 2 On pavement, & parallel to the road

## Primary Maps & Area Info-Boards

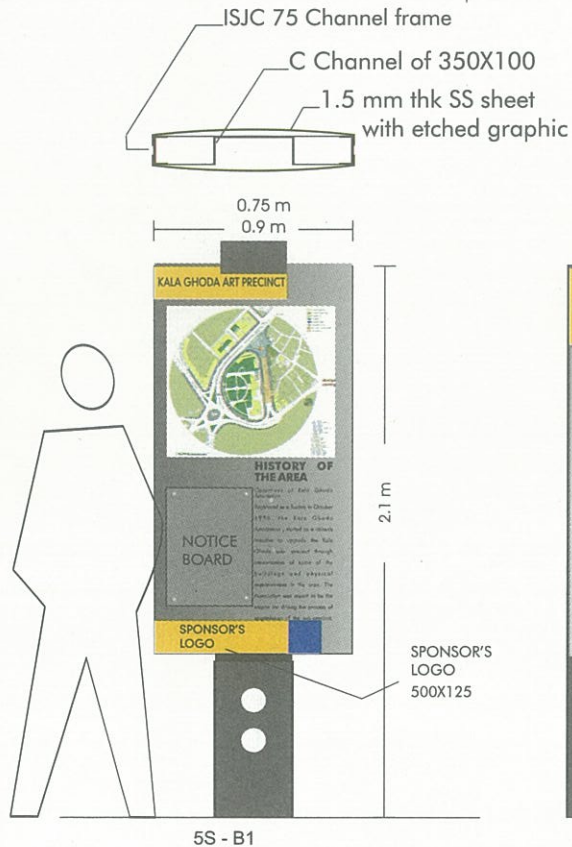
These boards are at lower height, interacting at a more intimate level with the pedestrians.

- They should be placed at the strategic locations like entry points, bifurcations & junctions.
- They should have detailed map of the area indicating important buildings, landmarks and routes.

- They should also have information like interesting facts of the area, statistics, amenities like hospitals, fire station, police station etc.
- The information should be provided in Marathi & English both.
- Features like 'Notice board' could also be integrated with the structure.

### Option 1

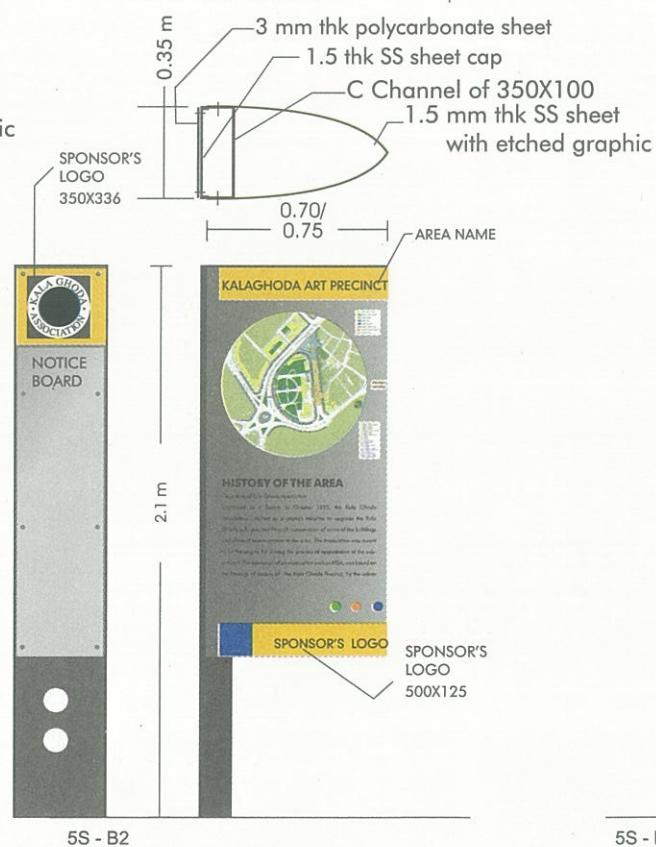
Symmetrical design with central support.



5S - B1

### Option 2

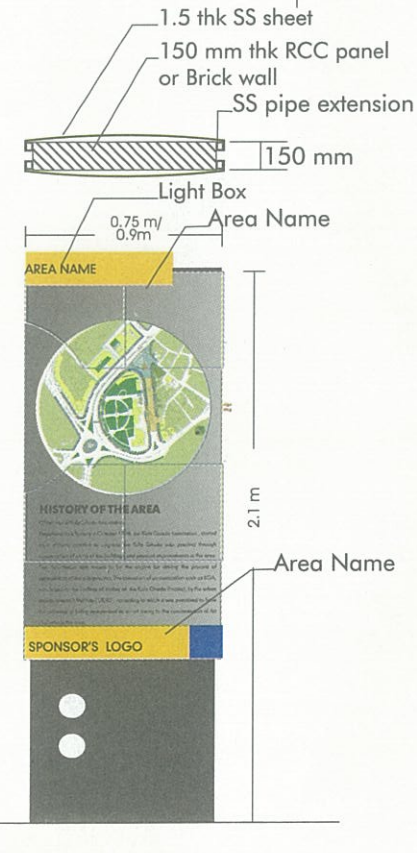
Cantilevered board made in stainless steel with notice board space on the side of the panel. The structure is fabricated with 'C' channel & galvanised. Nuts & bolts or rivets should be of stainless steel.



5S - B2

### Option 3

Vertical plane made of panel, prefabricated or cast in situ and clad in stainless steel sheet, etched and coloured with the area map graphic.



5S - B3

## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## Pedestrian Signs

## Maps & Area Information Boards

## B PRIMARY MAPS & AREA INFO-BOARDS FOR PEDESTRIAN ZONES

THE ALTERNATIVES FOR STAINLESS STEEL SHEET METAL INFORMATION BOARDS.

The cheaper alternative for Stainless steel should be 3mm thk Aluminium sheet with printed vinyl stickers.

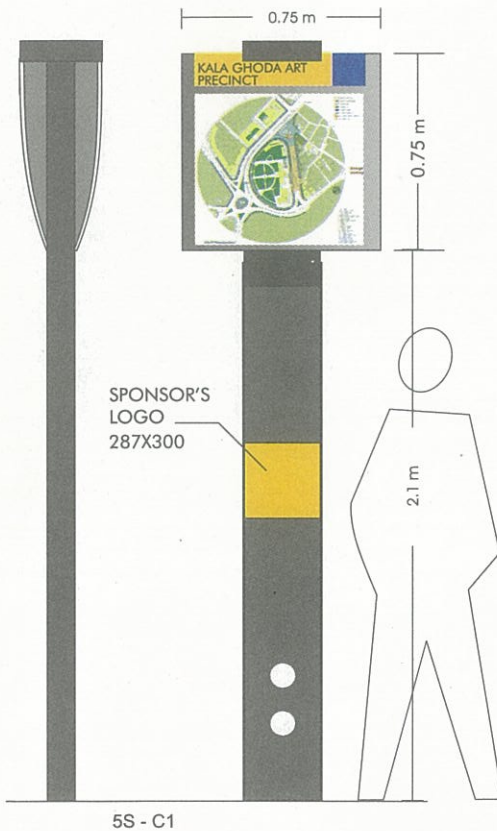
## Secondary Maps & Area Info-boards

Small size information boards are placed at a height making them inaccessible for vandalism.

- These could be located on narrower pavements where space is critical.
- They should highlight (blow up) landmarks or important locations in the area and should provide detail information on various aspects of the area.

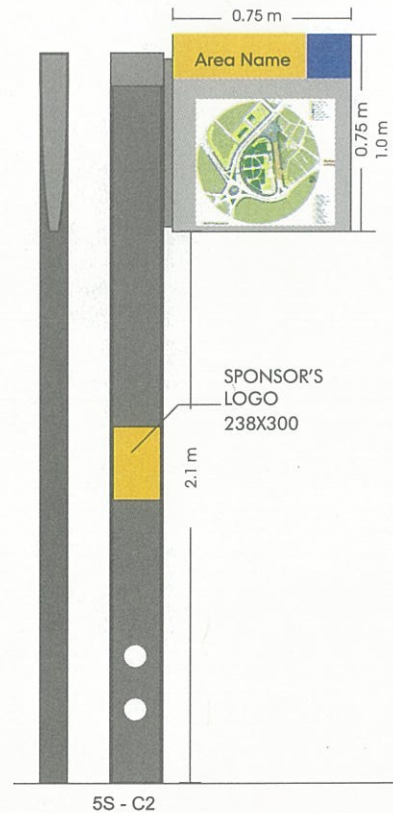
### Option 1

Symmetrical design with central support.



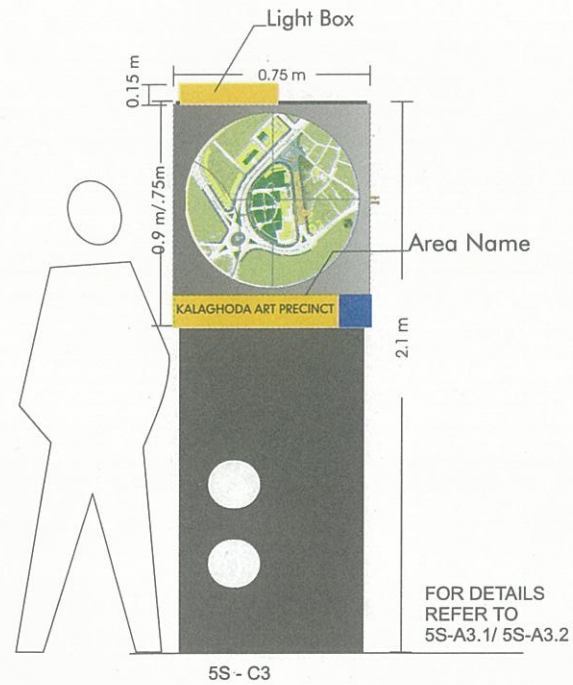
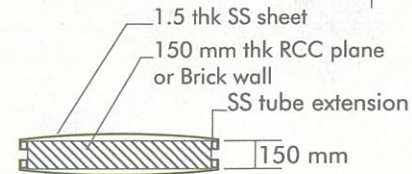
### Option 2

Cantilevered board made in stainless steel with notice board space on the side of the panel. The structure is fabricated with 'C' channel & galvanised. Nuts & bolts or rivets should be of stainless steel.



### Option 3

Vertical plane made of RCC panel- prefabricated or cast insitu and clad in Stainless steel sheet, etched and coloured with the area map graphic.



## SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & THE COMMITTEE FOR  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

## Pedestrian Signs

## Maps & Area Information Boards

## C SECONDARY MAPS & AREA INFO-BOARDS FOR PEDESTRIAN ZONES

### THE ALTERNATIVES FOR MAPS & AREA INFORMATION BOARDS IN SMALL SIZE

Different panelling materials possible:

1 Printed vinyl stickers on 4mm thk Aluminium sheet or 2.5 mm thk GI Sheet.

2 Stainless steel sheets etched and painted.

3 Cladding Ceramic tiles (painted and fired) on RCC surface.

### LOCATION

Should be placed

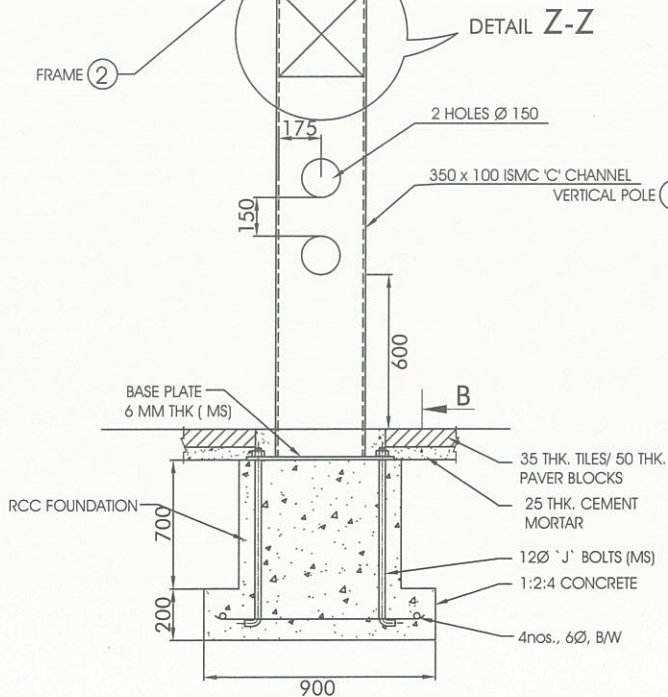
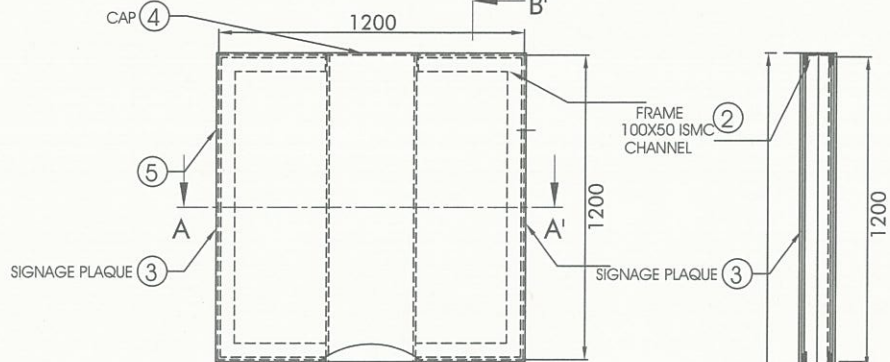
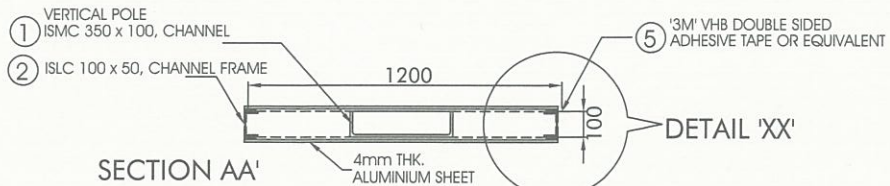
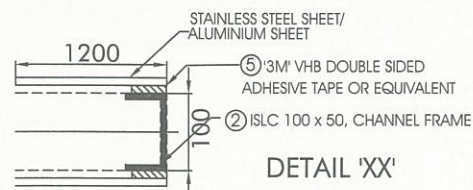
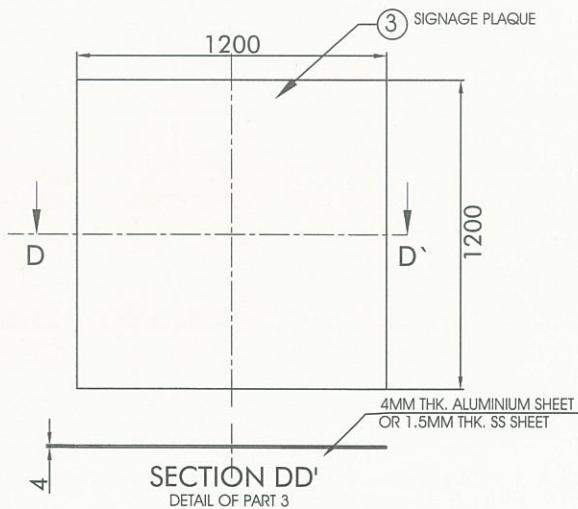
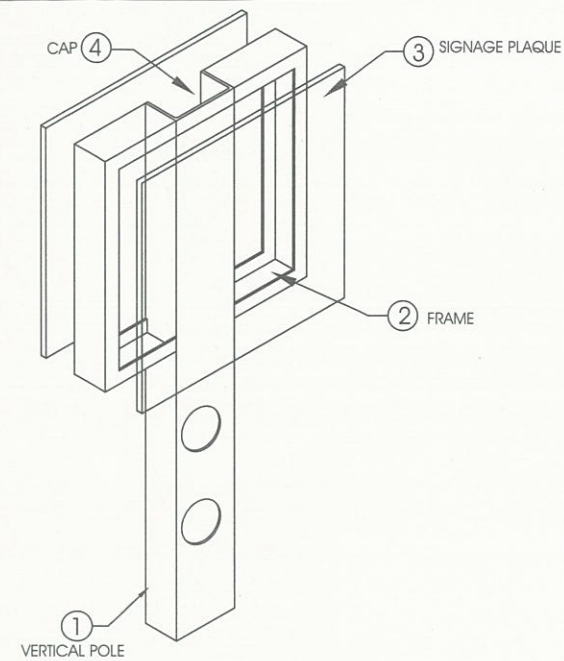
1 Near important public spaces.

2 On pavement, & parallel to the road

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS







SECTION BB

OPTION 2

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**PEDESTRIAN SIGNS PUBLIC SPACE NAME BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	ISMC 350	1
2	FRAME	ISLC 100	2
3	SIGNAGE PLAQUE	4 MM THK. ALUMINIUM OR 1.5 MM THK SS SHEET ETCHED	2.
4	CAP	6 MM THK. MS SHEET WELDED	1
5	FIXING ELEMENT	3M VHB DOUBLE SIDED ADHESIVE TAPE	9.6M

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

CLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

CLOUR:- AS SPECIFIED

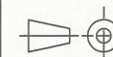
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 µ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**PUBLIC SPACE NAME BOARD**



5S-A1.2

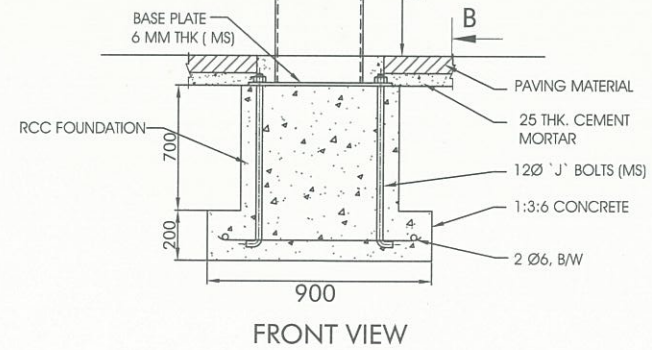
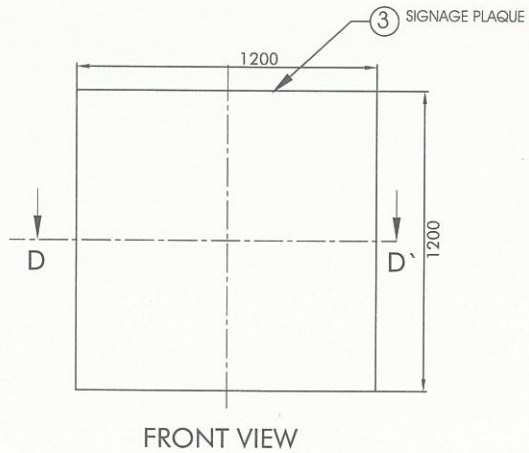
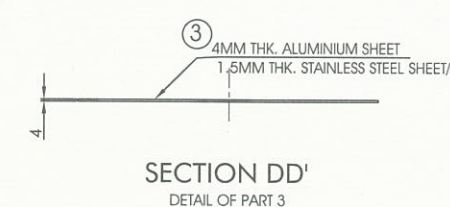
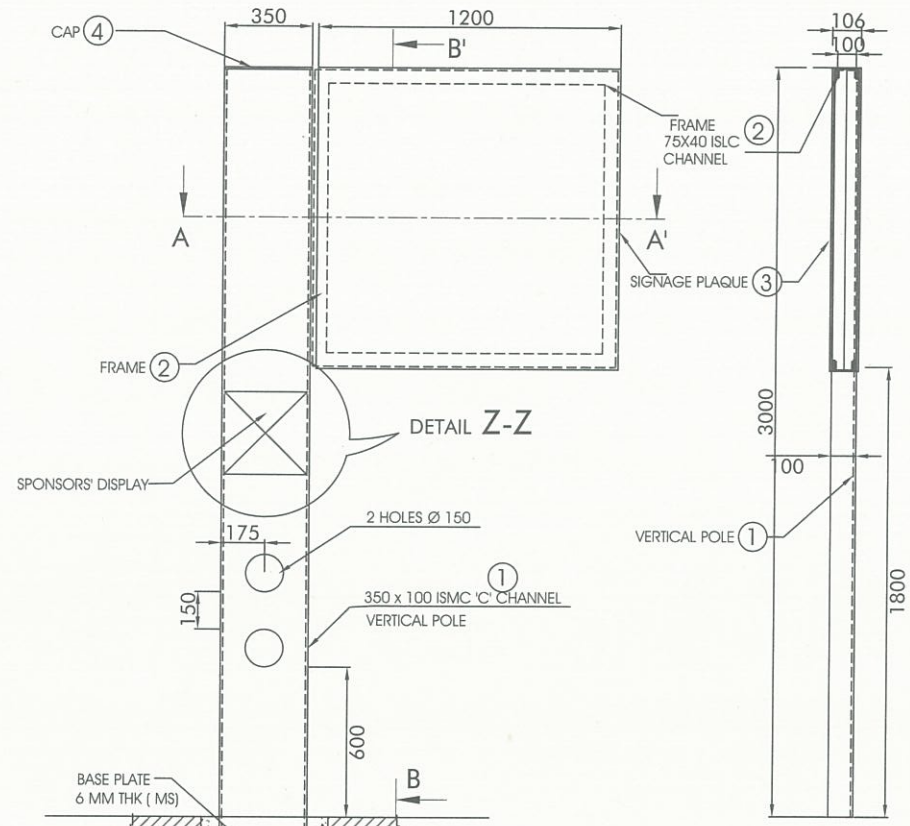
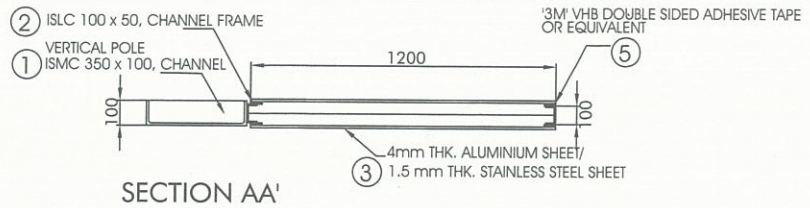
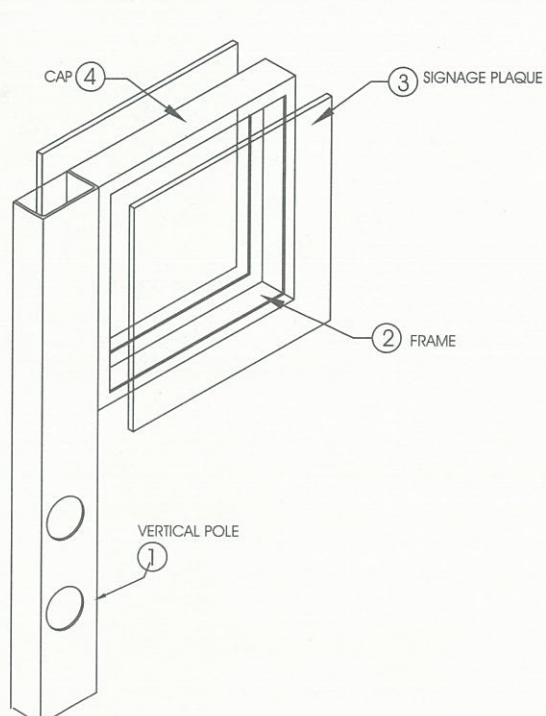
DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001

SCALE:- 1:30

78



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**PEDESTRIAN SIGNS  
 PUBLIC SPACE NAME BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	ISMC 350	1
2	FRAME	ISLC 75	1
3	SIGNAGE PLAQUE	4 mmTHK. ALUMINIUM / 1.5 mmTHK SS SHEET ETCHED	2.
4	CAP	6 MM THK. MS SHEET WELDED /GRD	1
5	FIXING	3M' VHB DOUBLE SIDED ADHESIVE TAPE	4.8 M

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS  
 MATL:-RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

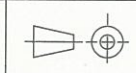
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**PUBLIC SPACE NAME BOARD**



**5S-A2**

DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001 | SCALE:- 1:30 | **79**

**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**PEDESTRIAN SIGNS  
INFORMATION BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL FRAME	ISMC 100	2
2	TIE MEMBER HORIZONTAL	ISA 40	4
3	EXTENSION FRAME	SQUARE PIPES 35 x 35X 3 MM THK (MS)	4
4	INFORMATION PANEL	3 mm THK. ALUMINIUM / 1.5mm SS SHEET ETCHED	2
5	LOWER PANEL	3 MM THK. ALUMINIUM SHEET BOX	2
6	CAP	3 MM THK. SS SHEET BOX	1
7	SCREW	M10 (SS)	

STRUCTURAL SPECIFICATIONS  
FOUNDATION: 1:2:4 CONCRETE  
SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

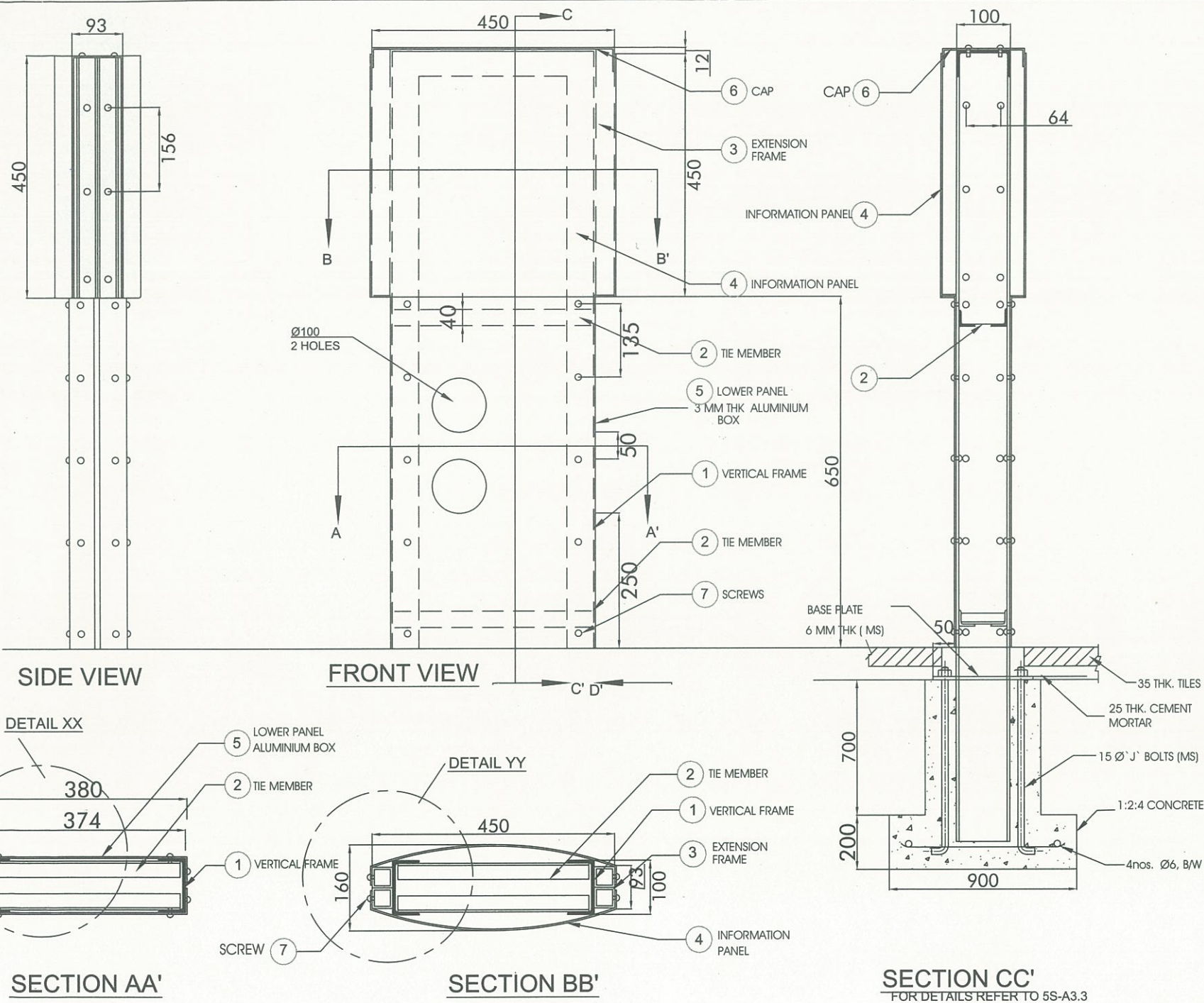
SPECIFICATIONS  
MATL:- RETRO-REFLECTIVE FILM ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

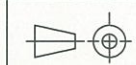
NOTES  
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.



**PEDESTRIAN SIGNS - INFORMATION BOARD**



**5S-A3.1**

DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001

SCALE:- 1:10

**80**

# SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## PEDESTRIAN SIGNS INFORMATION BOARD

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL FRAME	ISMC 100	2
2	TIE MEMBER HORIZONTAL	ISA 40	4
3	EXTENSION FRAME	SQUARE PIPES 35x35x3mm THK (MS)	4
4	INFORMATION PANEL	3 mm THK ALUMINIUM / 1.5mm SS SHEET ETCHED	2
5	LOWER PANEL	3 MM THK ALUMINIUM SHEET BOX	2
6	CAP	3 MM THK SS SHEET BOX	1
7	SCREW	M10 (SS)	

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- VINYL STICKER ON 3mm THICK 'ALUMINIUM' SHEET. OR ETCHING 1.5 mm THICK SS SHEET.

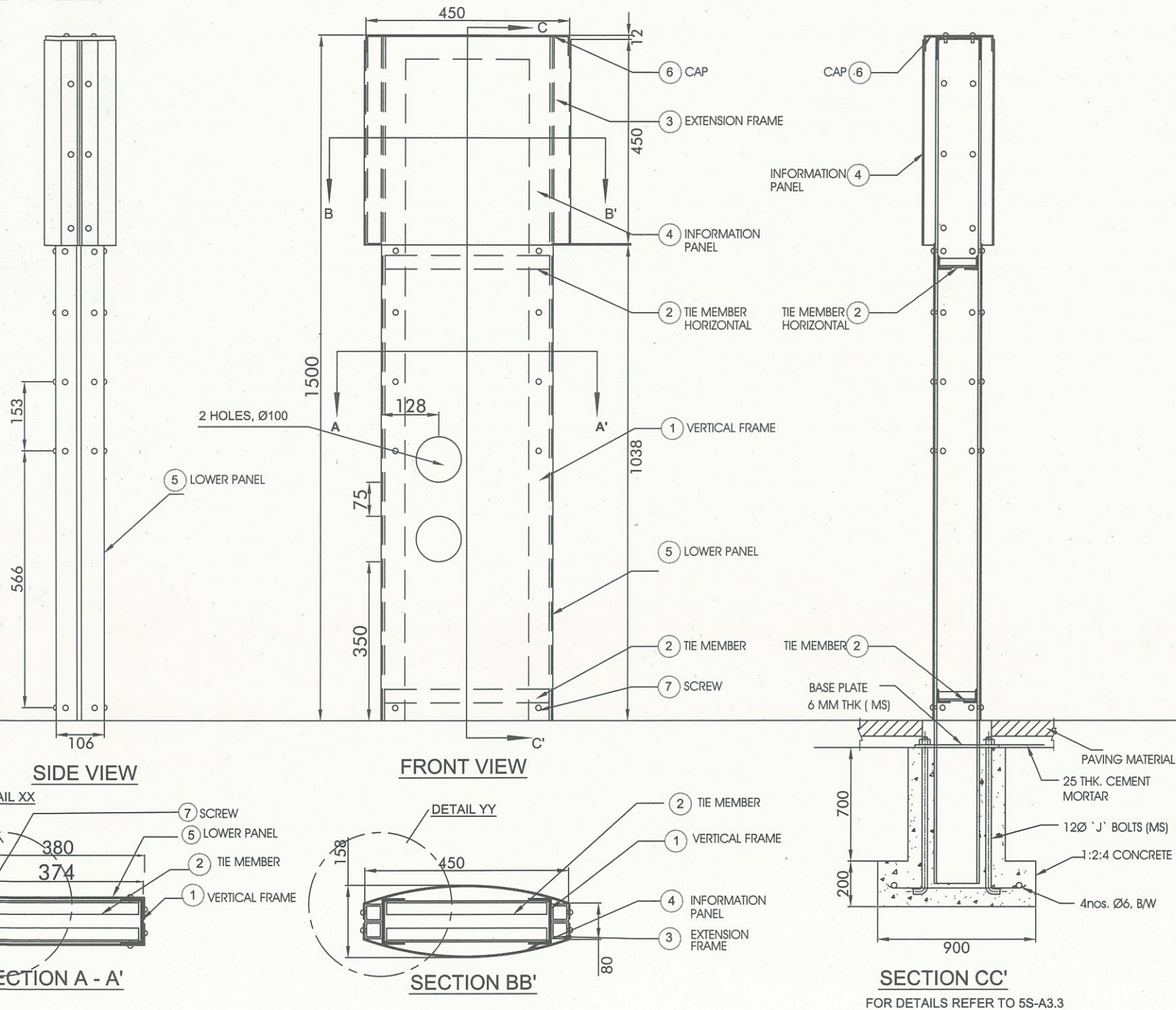
COLOUR:- AS SPECIFIED

NOTES

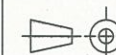
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.



# PEDESTRIAN SIGNS - INFORMATION BOARD



**5S-A3.2**

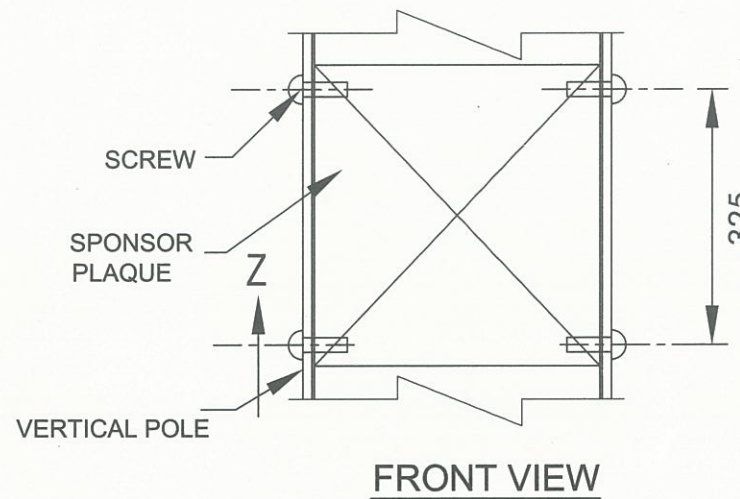
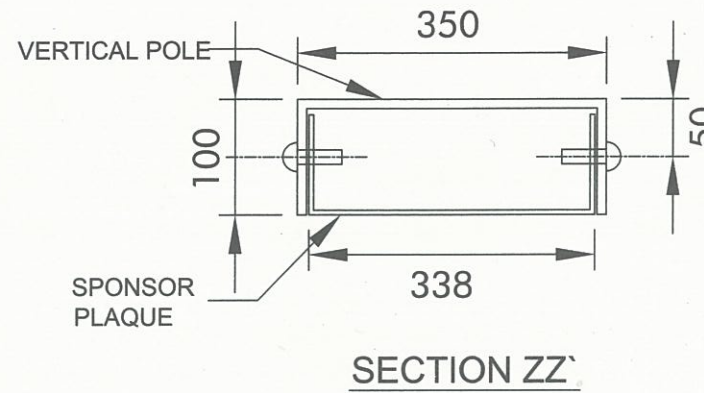
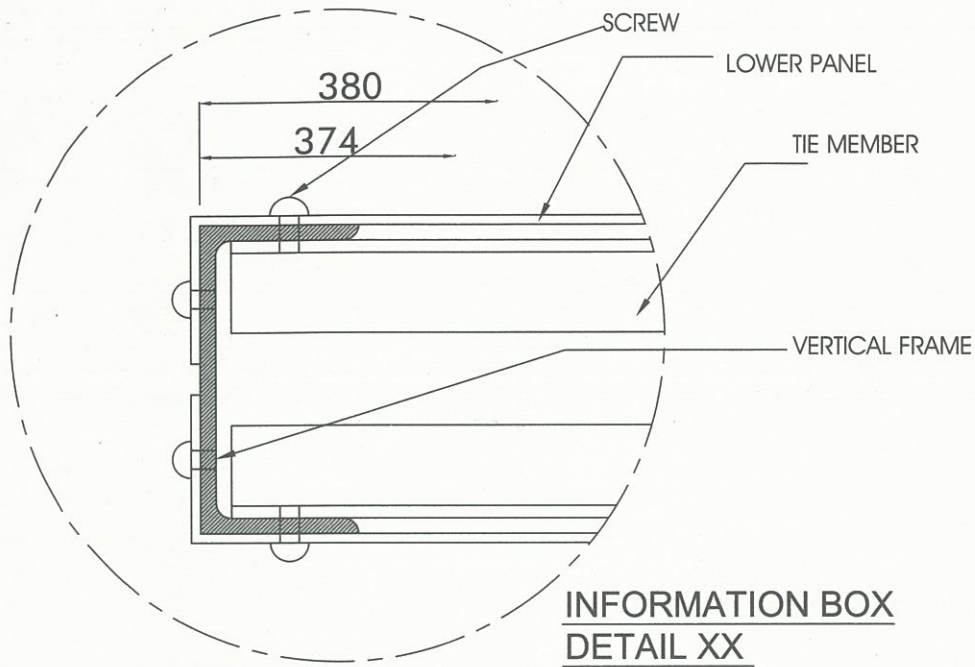
DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

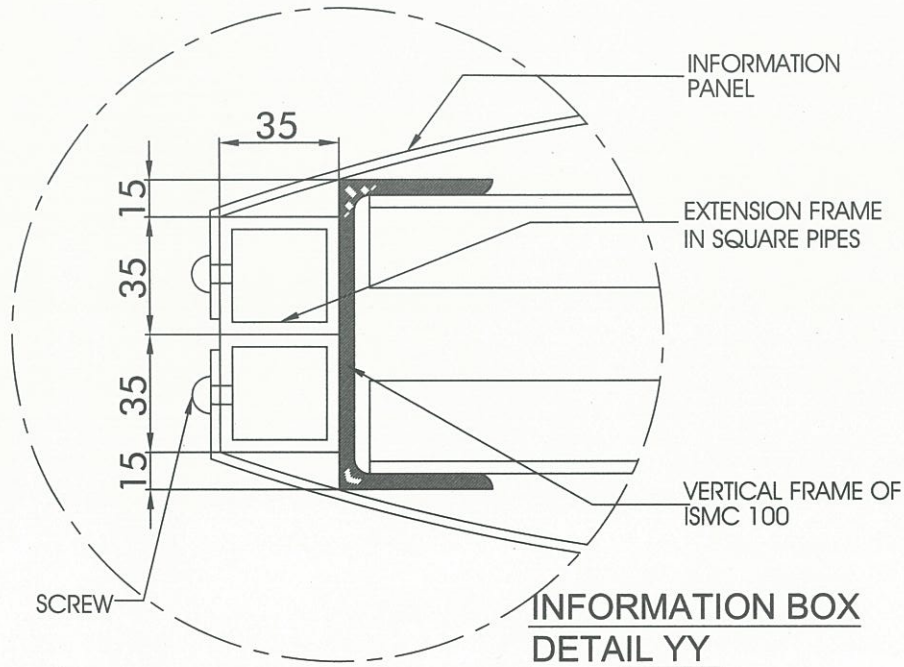
DATE :- 03.09.2001

SCALE :- 1:12

181



**SPONSORSHIP PLAQUE BOX  
DETAIL ZZ**



**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**  
M. C. G. M. & the committee for  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES  
**PEDESTRIAN SIGNS  
INFORMATION BOARD**

STRUCTURAL SPECIFICATIONS

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH  
ENAMEL PAINT /  
POLYURETHENE PAINT  
OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- 1.5mm THK SS SHEET

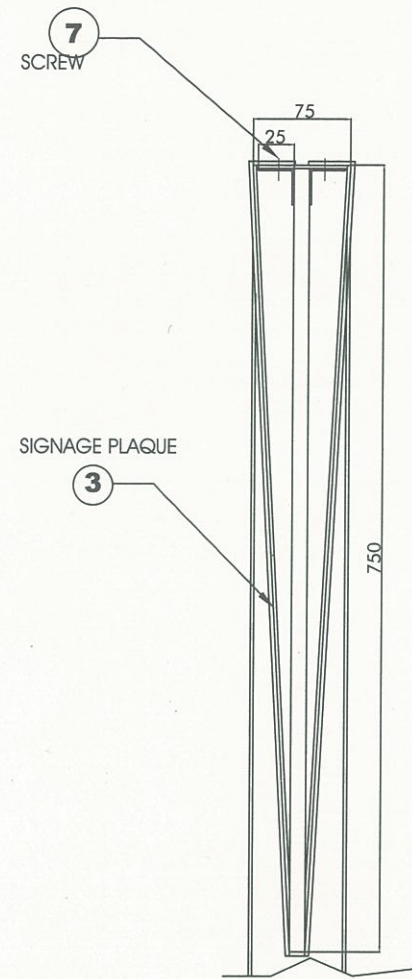
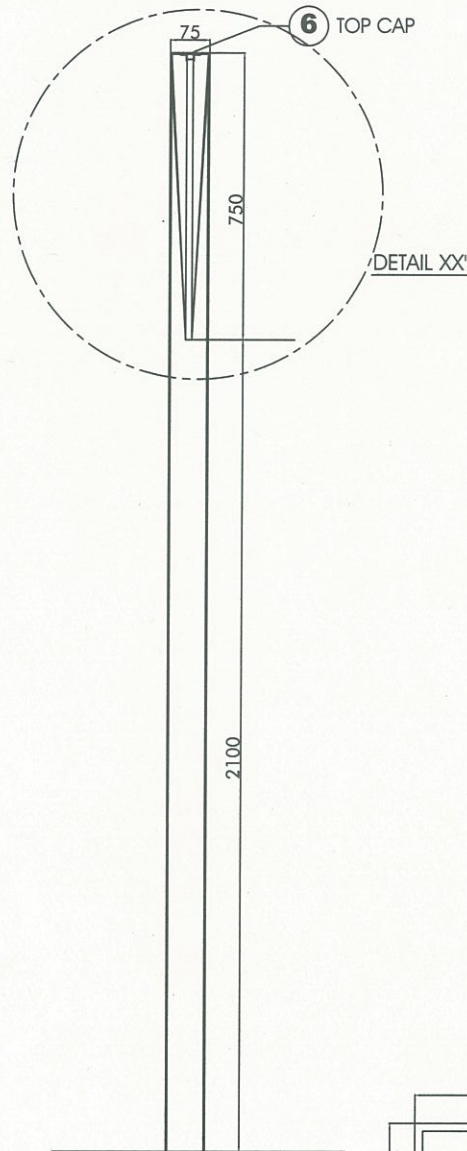
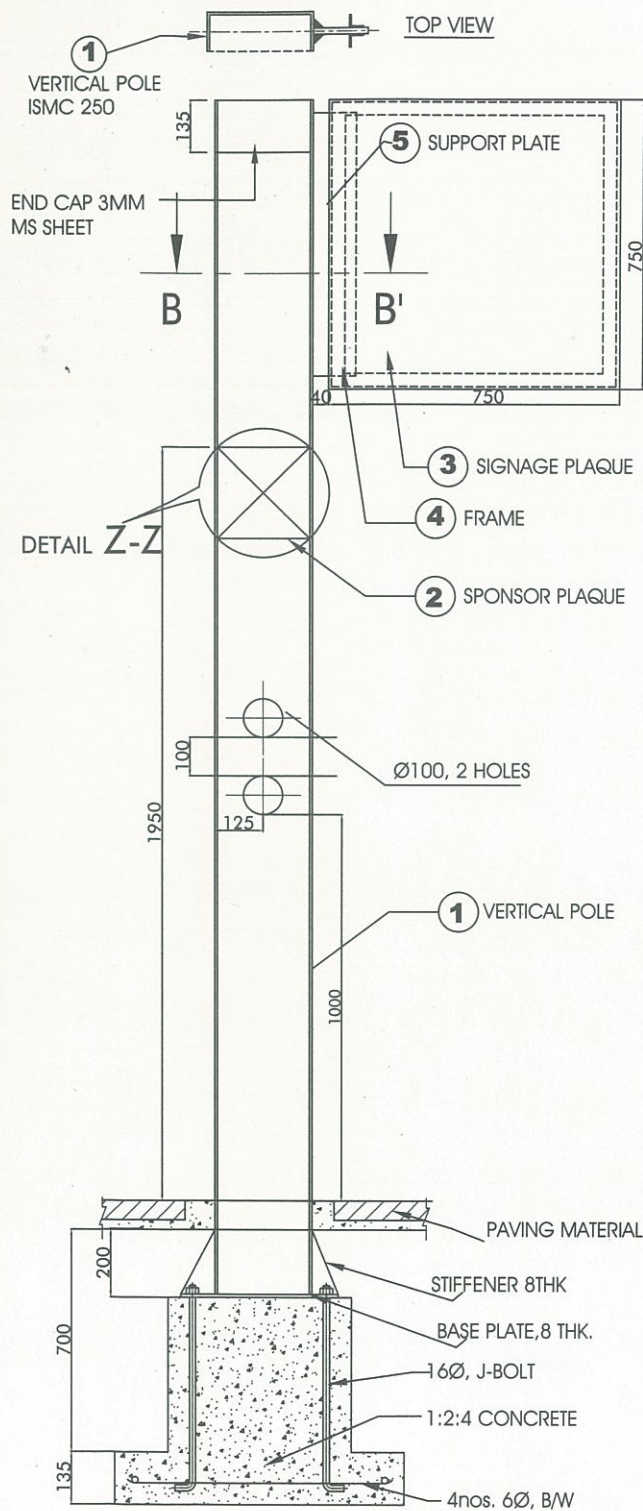
COLOUR:- AS SPECIFIED

NOTES

\* INDICATES SHARP CORNER,  
UNLESS SPECIFIED FILLET SHOULD BE R1.

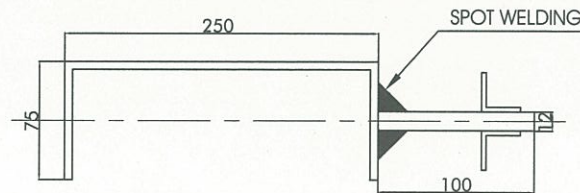
M.S. PIPES SHOULD BE HOT DIP  
GALVANISED (8-10 μ) & COATED WITH  
TWO COATS EPOXY/HIGHBUILD  
POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY  
MANUFACTURING DEFECTS.



**DETAIL XX'**

SCALE - 1:5



**SECTION BB'**

SCALE - 1:5

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**PEDESTRIAN SIGN INFORMATION BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	ISMC 250	1
2	SPONSOR PLAQUE	3 MM THK. ALUMINIUM SHEET BOX	2
3	SIGNAGE PLAQUE	3 MM THK. ALUMINIUM SHEET BOX	2
4	FRAME	'L' ANGLE 25x 25 ISA 4 MM THK.(MS)	2
5	SUPPORT PLATE	50 x 12 PLATE (MS)	1
6	TOP CAP	3 MM THK. ALUMINIUM SHEET BOX	1
7	SCREW	COUNTERSUNK (SS)	12

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

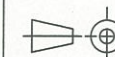
NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**PEDESTRIAN SIGN-INFORMATION BOARD**



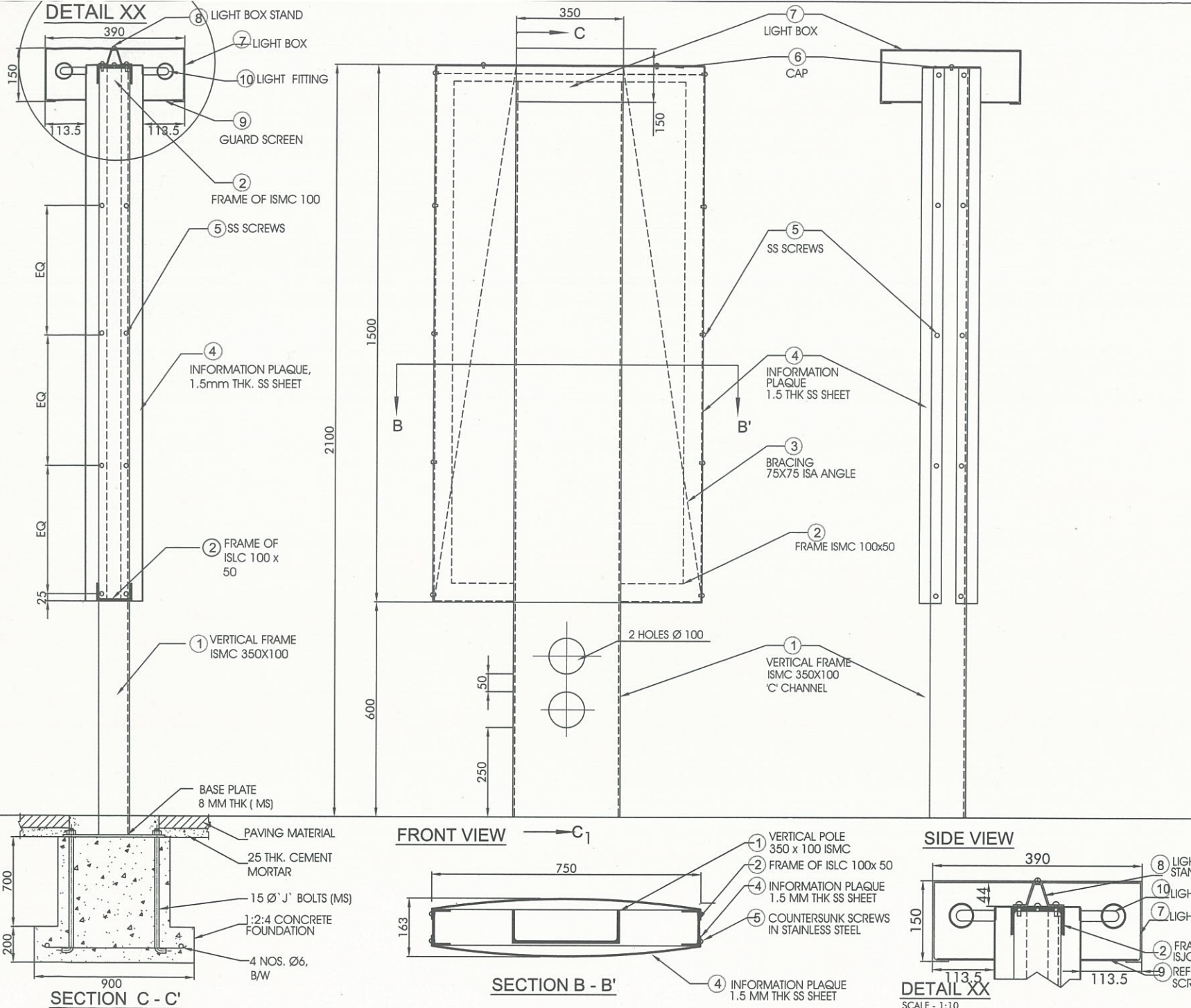
**5S-B**

DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 3-09-2001

SCALE :- 1: 20 **83**



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**PEDESTRIAN SIGNS INFORMATION BOARD**

NO	DESCRIPTION	MATERIAL	QT'
1	VERTICAL POLE	ISMC 350	1
2	FRAME	ISMC 100	1
3	BRACING	'L' ANGLE 75 x 75 6thk	2
4	INFORMATION PANEL	1.5 MM THK SS SHEET	2
5	SCREWS	COUNTERSUNK SS SCREWS SHEET	2
6	CAP	1.5 MM THK SS SHEET BOX SCREWED	1
7	LIGHT BOX	1.5 MM THK SS SHEET BOX	1
8	LIGHT BOX STAND	3 MM THK SS SHEET STAND	1
9	GUARD SCREEN	ACRYLIC POLYCARBONATE	2
10	LIGHT FITTING		2

STRUCTURAL SPECIFICATIONS  
FOUNDATION: 1:2:4 CONCRETE  
SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

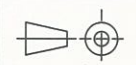
**NOTES**

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**PEDESTRIAN SIGNS - INFORMATION BOARD**

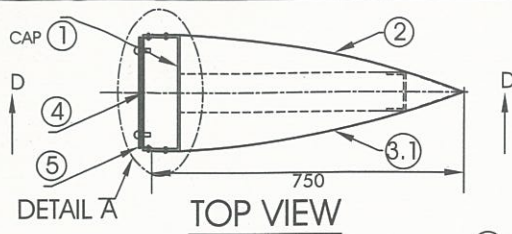


**5S-B1**

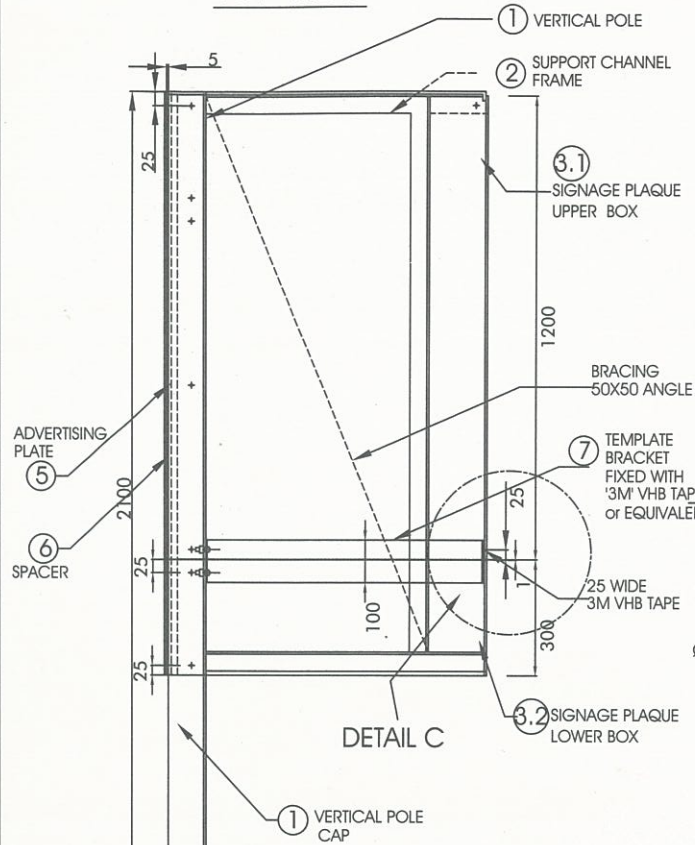
DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

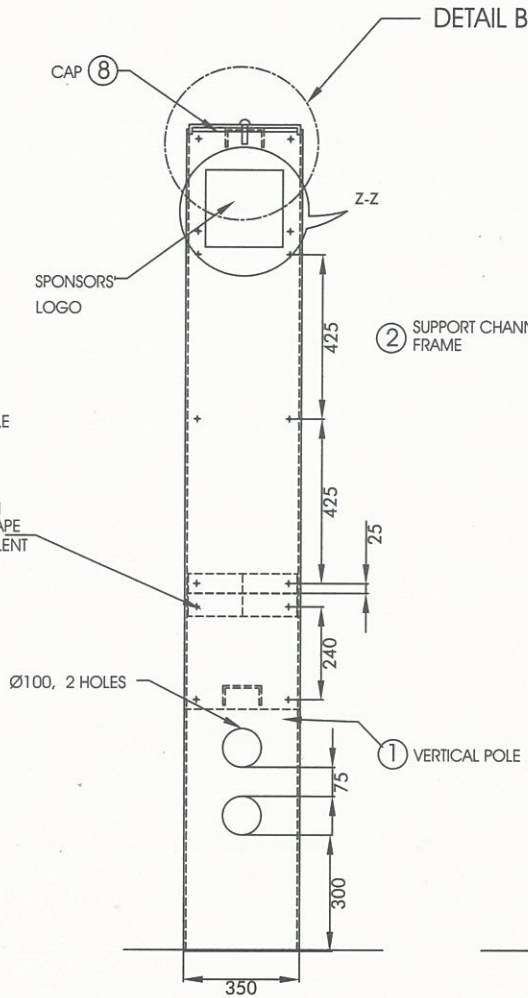
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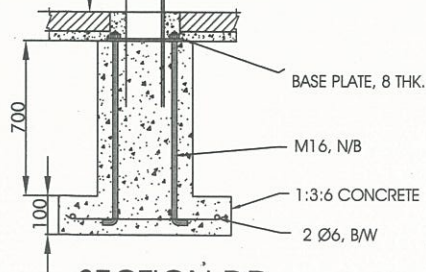
TOP VIEW



FRONT VIEW



SIDE VIEW



SECTION DD

**SIGNAGE FOR MUMBAI & ITS SUBURBS**

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**MAP- INFORMATION NAME BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	C' CHANNEL 350 x 100, 6 MM THK (MS)	1
2	SUPPORT CHANNEL FRAME	C' CHANNEL 100 x 75, 6 MM THK (MS)	1
3.1	SIGNAGE PLAQUE UPPER BOX	SS SHEET 1.6G 1.5 MM THK.	1
3.2	SIGNAGE PLAQUE LOWER BOX	SS SHEET 1.6G 1.5 MM THK.	1
4	VERTICAL POLE PLAQUE (NOTICE BOARD)	3 MM THK. ALUMINIUM SHEET BOX	1
5	ADVERTISING PLATE	POLYCARBONATE SHEET 3MM THK. CLEAR SHEET	1
6	SPACER	5 MM THK SPACER RUBBER	14
7	TEMPLATE BRACKET	1.5 MM THK SS SHEET	1
8	CAP	1.5MM THK. SS SHEET BOX	1

STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- 1.5mm THK SS SHEET ETCHED

COLOUR:- AS SPECIFIED

NOTES

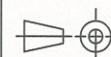
\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**MAP- INFORMATION BOARD**

**FOR KALAGHODA ART DISTRICT**



**5S-B2.1**

DRG. NO.

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS

DATE :- 03-09-2001

SCALE:- 1:20



# SIGNAGE FOR MUMBAI & ITS SUBURBS

M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

## MAP-INFORMATION BOARD- DETAILS

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL POLE	'C' CHANNEL 350 x 100, 6 MM THK (MS)	1
2	SUPPORT CHANNEL FRAME	'C' CHANNEL 100 x 75, 6 MM THK (MS)	1
3.1	SIGNAGE PLAQUE UPPER BOX	SS SHEET 16G 1.5 MM THK.	1
3.2	SIGNAGE PLAQUE LOWER BOX	SS SHEET 16G 1.5 MM THK.	1
4	VERTICAL POLE PLAQUE (NOTICE BOARD)	3 MM THK. ALUMINIUM SHEET BOX	1
5	ADVERTISING PLATE	POLYCARBONATE SHEET 3MM THK. CLEAR SHEET	1
6	SPACER	5 MM THK SPACER RUBBER	14
7	TEMPLATE BRACKET	1.5 MM THK SS SHEET	1
8	CAP	1.5MM THK. SS SHEET BOX	1

### STRUCTURAL SPECIFICATIONS

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

### SIGNAGE SPECIFICATIONS

MATL:- HIGH RETRO-REFLECTIVE ON 3mm THICK 'ALUMINIUM' SHEET.

COLOUR:- AS SPECIFIED

### NOTES

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

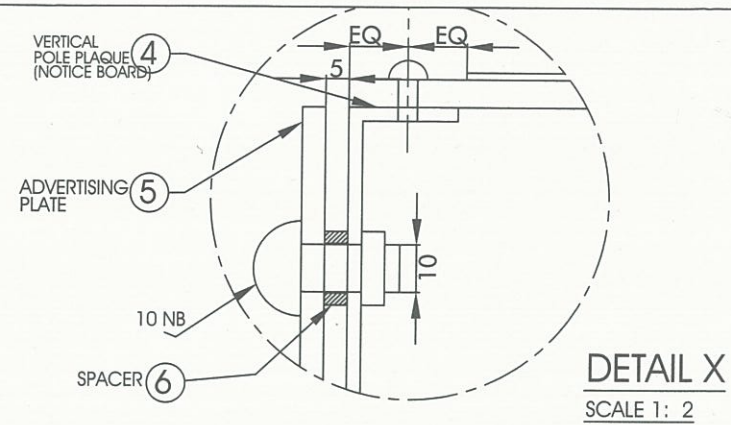
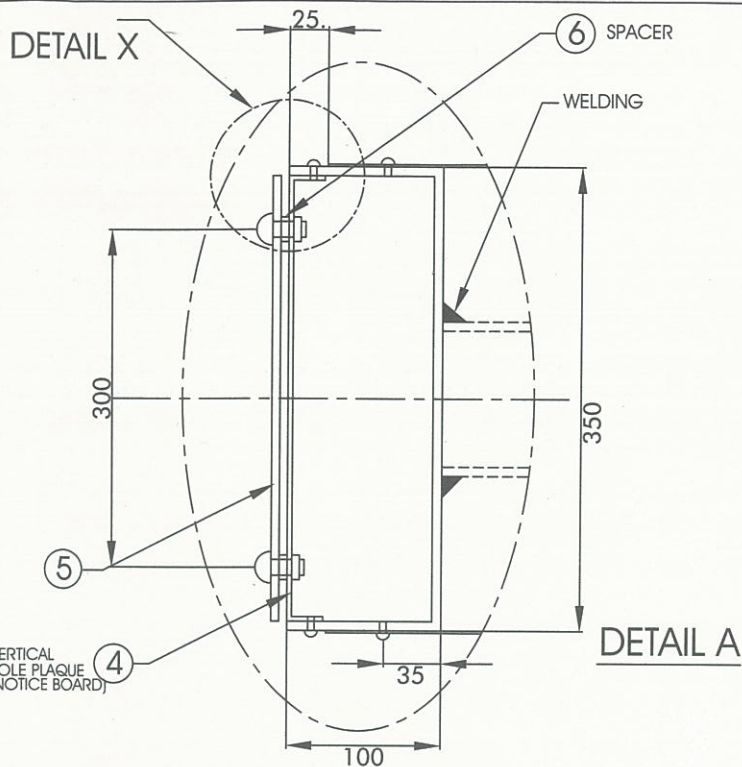
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
ARCHITECTS & INDUSTRIAL DESIGNERS

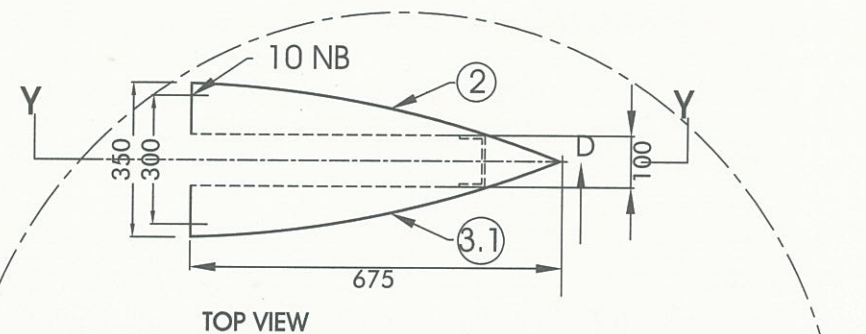
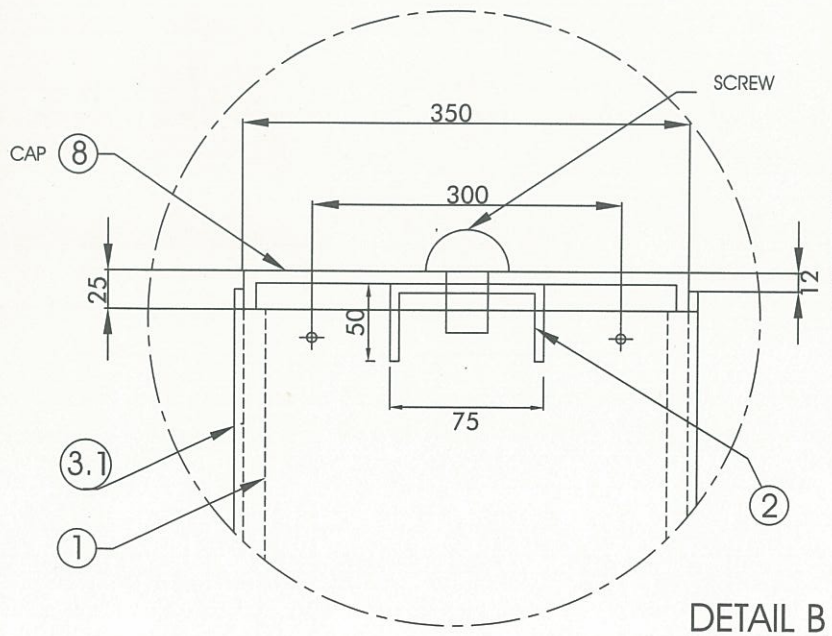
DATE :- 03-09-2011

SCALE :- 1:5

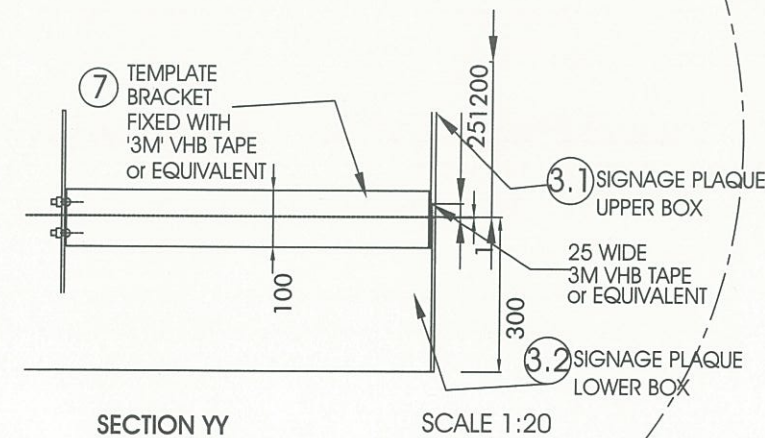
86



DETAIL X  
SCALE 1: 2



TOP VIEW



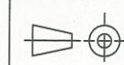
SECTION YY

SCALE 1:20

DETAIL OF THE TEMPLATE & SIGNAGE PLAQUE ASSEMBLY

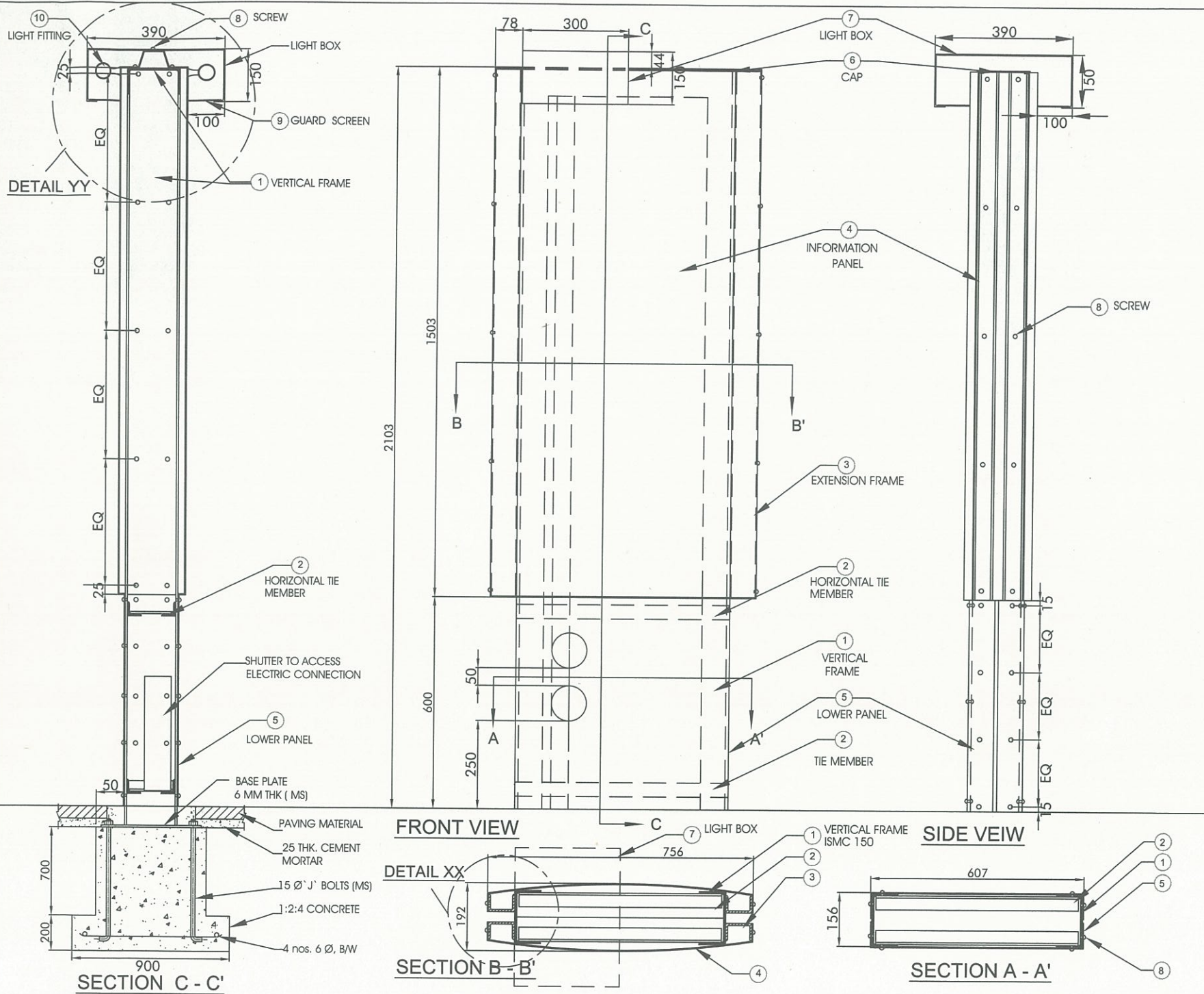
DETAIL C

## MAP- INFORMATION BOARD- DETAILS



5S-B2.2

DRG. NO.



**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES

**PEDESTRIAN SIGNS INFORMATION BOARD**

NO	DESCRIPTION	MATERIAL	QT
1	VERTICAL FRAME	C' CHANNEL ISMC 150	2
2	TIE MEMBER	C' CHANNEL 75 x 40 6THK	1
3	EXTENSION FRAME	'L' ANGLE 50 X50	3
4	INFORMATION PANEL	1.5 MM THK SS SHEET ETCHED	2
5	LOWER PANEL	3 MM THK ALUMINIUM SHEET	2
6	CAP	1.5 MM THK SS SHEET BOX SCREWED	1
7	LIGHT BOX	3 MM THK ALUMINIUM SHEET BOX	1
8	SCREW	M10 (SS)	
9	GUARD SCREEN	ACRYLIC	2
10	LIGHT FITTING		2

**STRUCTURAL SPECIFICATIONS**

FOUNDATION: 1:2:4 CONCRETE

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH ENAMEL PAINT / POLYURETHENE PAINT OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

**SIGNAGE SPECIFICATIONS**

MATL:- 1.5 mm THK. SS SHEET ETCHED

COLOUR:- AS SPECIFIED

**NOTES**

\* INDICATES SHARP CORNER. UNLESS SPECIFIED FILLET SHOULD BE R1.

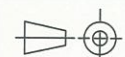
M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

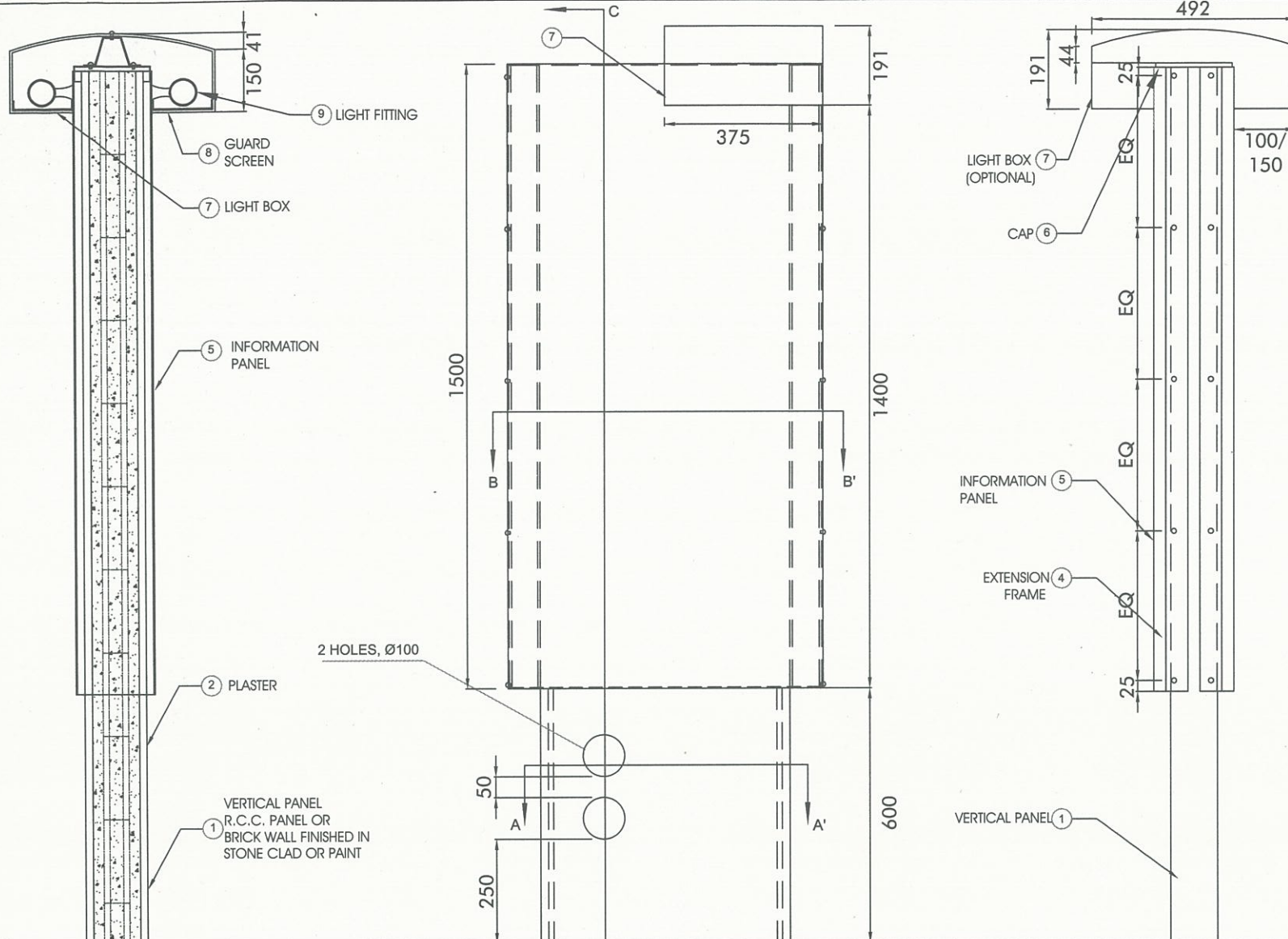
PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**PEDESTRIAN SIGNS - INFORMATION BOARD**

**5S-B3.1**

DESIGNS BY **A & A DESIGN ASSOCIATES** ARCHITECTS & INDUSTRIAL DESIGNERS





**SIGNAGE FOR MUMBAI & ITS SUBURBS**  
 M. C. G. M. & the committee for MUMBAI'S INITIATIVE FOR THE PROTECTION & IMPROVEMENT OF STREETS & PUBLIC SPACES  
**PEDESTRIAN SIGNS INFORMATION BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL PANEL	150 THK RCC PANEL/ BRICK MASONRY	1
2	PLASTER FINISH	15 MM THK	1
3	STONE CLADDING		
4	EXTENSION FRAME	C-CHANNEL 75 x 40 6 MM THK. (MS)	4
5	INFORMATION PANEL	1.5mm THK. SS SHEET ETCHED	2
6	CAP	1.5mm THK. SS SHEET BOX SCREWED	1
7	LIGHT BOX	3 MM THK ALUMINIUM SHEET BOX	1
8	GUARD SCREEN	ACRYLIC POLYCARBONATE	2
9	LIGHT FITTING		2
10	RAG BOLT	SS	8
11	SCREW	M10 (SS)	

STRUCTURAL SPECIFICATIONS  
 FOUNDATION: 1:2:4 CONCRETE  
 SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH  
 ENAMEL PAINT /  
 POLYURETHENE PAINT  
 OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS  
 MATL:- 1.5mm THK SS SHEET ETCHED

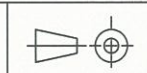
COLOUR:- AS SPECIFIED

NOTES  
 \* INDICATES SHARP CORNER.  
 UNLESS SPECIFIED FILLET SHOULD BE R1.

M.S. PIPES SHOULD BE HOT DIP GALVANISED (8-10 μ) & COATED WITH TWO COATS EPOXY/HIGHBUILD POLYURETHENE PRIMER & PAINTED

PARTS SHOULD BE FREE FROM ANY MANUFACTURING DEFECTS.

**PEDESTRIAN SIGNS- INFORMATION BOARD**



**5S-B3.2**

DRG. NO.

DESIGNS BY  
**A & A DESIGN ASSOCIATES**  
 ARCHITECTS & INDUSTRIAL DESIGNERS

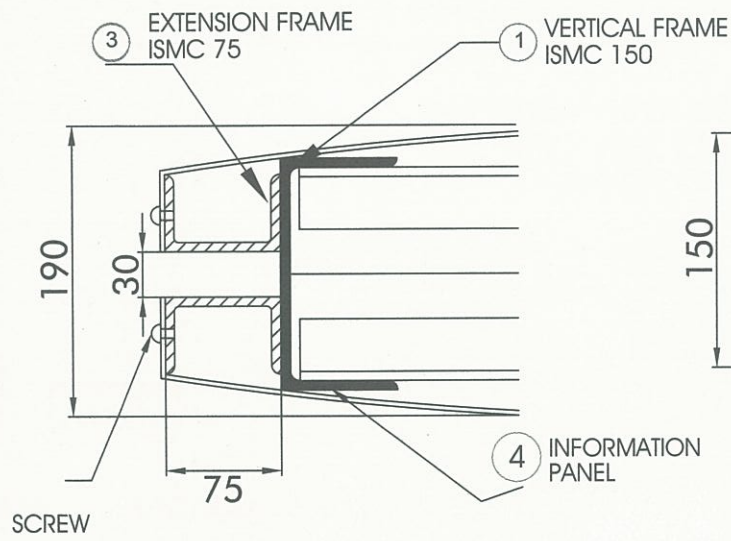
DATE :- 03-09-2001 SCALE :- 1:15 **88**

**SIGNAGE  
FOR MUMBAI & ITS SUBURBS**

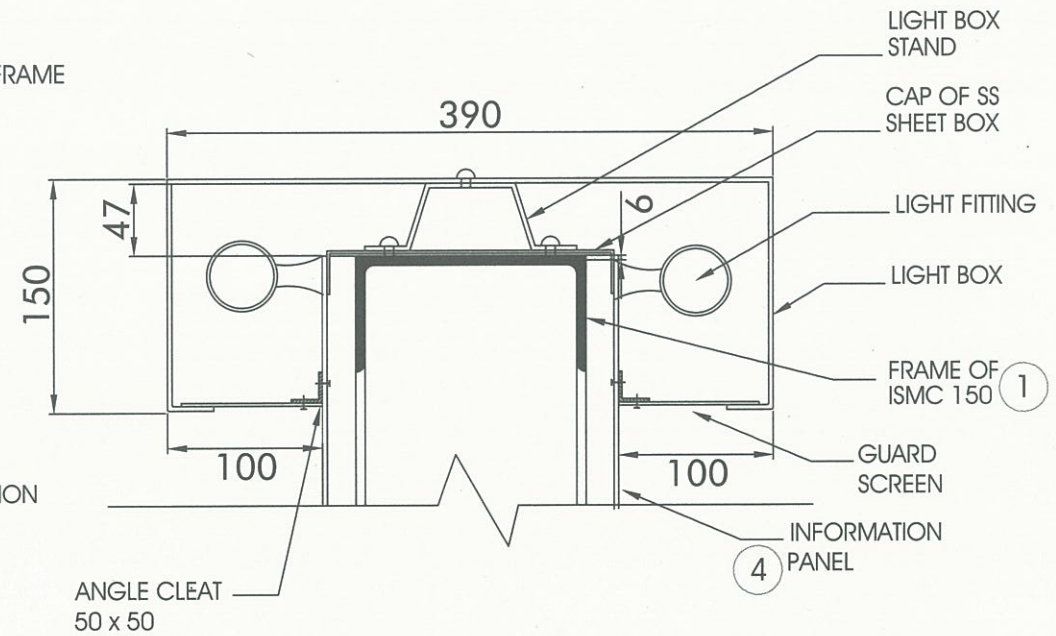
M. C. G. M. & the committee for  
MUMBAI'S INITIATIVE FOR THE PROTECTION &  
IMPROVEMENT OF STREETS & PUBLIC SPACES

**PEDESTRIAN SIGNS  
INFORMATION BOARD**

NO	DESCRIPTION	MATERIAL	QTY
1	VERTICAL FRAME	ISMC 150	
2	TIE MEMBER	ISLC 75 x 45	
3	EXTENSION FRAME	ISMC 75	
4	INFORMATION PANEL	1.5MM THK SS SHEET	



**INFORMATION BOX  
DETAIL XX**



**LIGHT BOX  
DETAIL YY**

STRUCTURAL SPECIFICATIONS

FOUNDATION:

SUPPORT: MS STRUCTURAL SECTION

FINISH:- PAINTED IN MATT FINISH  
ENAMEL PAINT /  
POLYURETHENE PAINT  
OR POWDER COATED

COLOUR : STEEL GREY 90% BLACK

SIGNAGE SPECIFICATIONS

MATL:- 1.5mm THK SS SHEET

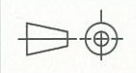
COLOUR:- AS SPECIFIED

NOTES

\* INDICATES SHARP CORNER.  
UNLESS SPECIFIED FILLET SHOULD BE R1.

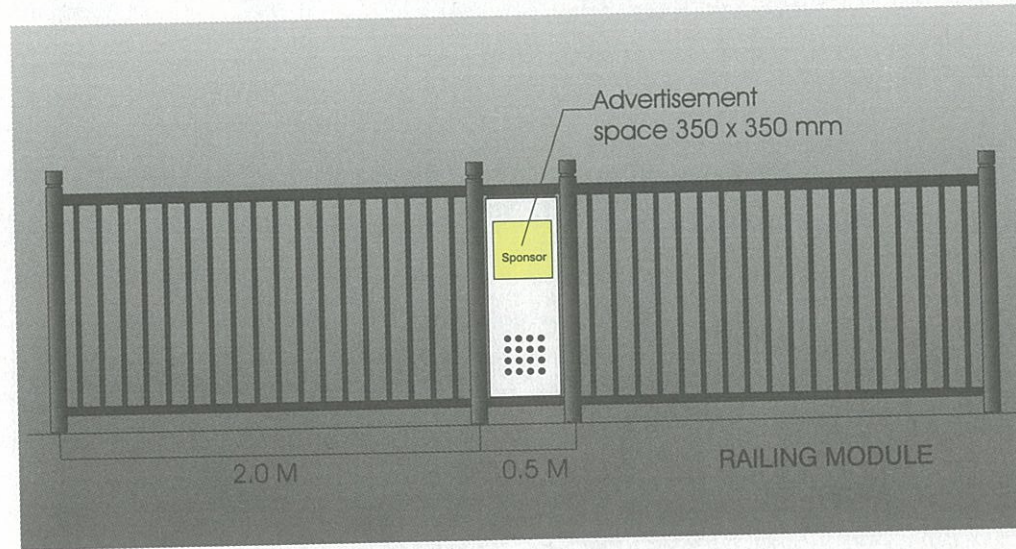
MS PIPE PART SHOULD BE HOT  
GALVANISED IN 7 STAGES AND COATED  
WITH TWO COATS EPOXY RESIN &  
PAINTED

PARTS SHOULD BE FREE FROM ANY  
MANUFACTURING DEFECTS.





# A S Advertisement Signs



## ADVERTISEMENT SIGNS

Presently, Advertisement signs are the most dominant of all signs. This may lead to a loss of sense of a public place in the minds of people. Especially in beautification projects of public nature it is important to strike a balance between of advertising signs, utility and information signs.

This can be achieved by taking following measures :

- By regulating the frequency and sizes of advertising signs appearing on barricades, street furniture elements and public signage.
- By providing Advertising boards displaying Sponsor's (single or multiple) names and logos. These boards could also display social messages and area information such as utility elements, facilities, emergency services, history of the area.
- By regulating the heights and widths of shopfront signs with respect to the road, area type (heritage or otherwise). By regulating the position of signages in situations where they obstruct traffic and pedestrian movement.
- By restricting Glow signs where they obstruct traffic and pedestrian movement and create visual discord.

# Advertisement Signs

## ADVERTISING ON PROPOSED STREET FURNITURE ELEMENTS:

### DESIGN FEATURES OF THE SYSTEM :

- It is desirable to keep this form of advertising to the minimum or eliminate completely.
- In situations where the advertising is displayed on elements such as barricades or sign poles, the sizes and placement of sponsor's name/ logo should be as per drawings in the catalogue.

### ADVERTISING PANELS:

- Advertisement panels are self-standing structures placed near entry points, road junctions and public spaces. They display the names and logos of the sponsors of the beautification scheme.
- These panels could also bear social messages or images representing the area.
- Sizes , proportions and finishes should be worked out with prior permission of the MCGM.

### GUIDELINES FOR PLANNING AND PLACEMENTS :

- Advertisement boards on Highways , arterial roads, sub-arterial roads, collector's streets or by-lane should be placed in the manner that they don't cause hindrance to traffic.
- The display should be non reflective and the material should be approved by department of traffic police & department traffic MCGM.
- They should be placed near entry points or near prominent locations along the boundaries of identified precincts with the prior approval of the MCGM.

