



Customer Experience Design and Management guidelines

Wayfinding | Sign structure detailing

Task 3 | WAYFINDING

Tender No: **KMRL/PRJ/STN SIGN/235/2015/TEN 01-16**

Version | 1

Date |08.02.2016

PR.NO	PRODUCT NAME AND DESCRIPTION	SIGN TYPE	DRAWING NO.
1	Direction signs		
1.1.1	Suspended sign <i>Illuminated, 2 sided</i>	Interior direction signs	TEKM-T3M3-301.1.1P-1/2
1.1.2	Suspended sign <i>Illuminated, 2 sided, double height</i>	Interior direction signs	TEKM-T3M3-301.1.2P-1/2
1.1.3	Face mounted sign <i>Illuminated</i>	Interior direction signs	TEKM-T3M3-301.1.3P-1/2
1.1.4	Face mounted sign <i>Illuminated, double height</i>	Interior direction signs	TEKM-T3M3-301.1.4P-1/2
1.1.5	Projected sign <i>Non-Illuminated, 2 sided</i>	Exterior direction signs	TEKM-T3M3-301.1.5P-1
1.1.6	Projected sign (only pictogram) <i>Illuminated, 2 sided</i>	Interior direction signs	TEKM-T3M3-301.1.6P-1
1.1.7	Post mounted sign <i>Illuminated, 2 sided</i>	Interior/exterior direction sign	TEKM-T3M3-301.1.7P-1
1.1.8	Post mounted sign <i>Non-Illuminated, 2- sided</i>	Direction vicinity sign	TEKM-T3M3-301.1.8P-1/2
1.1.9	Post mounted sign <i>Non-Illuminated, 2 sided</i>	Exterior direction sign	TEKM-T3M3-301.1.9P-1
2	Location signs		
1.1.1	Suspended sign <i>Illuminated, 2 sided</i>	Entry/exit sign	TEKM-T3M3-301.1.1P-1/2
2.1.1	Suspended sign <i>Non-Illuminated, 2 sided</i>	TVM /platform number sign	TEKM-T3M3-302.1.1P-1
2.2	Face mounted sign <i>Illuminated sign</i>	Station name sign	TEKM-T3M3-302.2 P-1
2.3	Face mounted sign <i>illuminated sign</i>	Overhead station name	TEKM-T3M3-302.3 P-1
2.1.3	Face mounted sign <i>Non-illuminated sign</i>	Lift to concourse sign	TEKM-T3M3-302.1.3P-1
2.1.4	Projected sign (only pictogram) <i>Non-illuminated sign</i>	Drinking water sign	TEKM-T3M3-302.1.4P-1
2.1.5	Post mounted sign (only pictogram) <i>Non-illuminated, 2-sided, double height sign</i>	Drop -off point +handi-capped sign	TEKM-T3M3-302.1.5P-1/2
2.1.6	Post mounted sign (only pictogram) <i>Non-illuminated, 2 sided sign</i>	Drop -off point sign	TEKM-T3M3-302.1.6P-1/2
2.4	Totem sign <i>Illuminated, 2 sided sign</i>	Station Identification sign	TEKM-T3M3-302.4 P-1
2.1.7	Post mounted sign (only text) <i>Non-illuminated, 1 sided sign</i>	Station name on platform sign	TEKM-T3M3-302.1.7P-1/2
2.1.8	Post mounted sign (pictogram + text) <i>Non-illuminated, 2 sided sign</i>	Feeder bus stop sign	TEKM-T3M3-302.1.8P-1/2
2.5	Face mounted plate signs <i>Non-illuminated</i>	Door signs	TEKM-T3M3-302.5 P-1

This document is commissioned by Kochi Metro Rail Limited, Kochi, and designed by Tata Elxsi. The document can be used for reference purposes but cannot be used for circulation.

This document gives the design details for the form, dimensions and material specifications for all the sign types designed for signage at Kochi metro.

Signage vendors would be required to work out the shop drawings using these drawings for final production basis their fabrication facilities/techniques keeping the design intent and performance specifications intact.

This document contains 41 pages including Front and Back cover

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PR.NO	PRODUCT NAME AND DESCRIPTION	SIGN TYPE	DRAWING NO.
3	Information signs		
3.1.1	Face mounted sign <i>Non-illuminated sign</i>	Area map	TEKM-T3M3-303.1.1 P-1
3.2	Face mounted frame sign <i>Non-illuminated sign</i>	Safety message at security check	TEKM-T3M3-303.2 P-1
3.3	Face mounted sign <i>Non-illuminated, double height sign</i>	Platform information sign	TEKM-T3M3-303.3 P-1
3.4	Post mounted sign <i>Illuminated, 1-sided with digital display</i>	PIDS	TEKM-T3M3-303.4 P-1/2
3.1.2	Post mounted sign <i>Non-illuminated, 1 sided</i>	Area map/system map	TEKM-T3M3-303.1.2 P-1/2
3.1.1	Face mounted sign <i>Non-Illuminated</i>	Double line map	TEKM-T3M3-303.1.1 P-1/2
3.1.3	Post mounted sign <i>1 sided, Non-Illuminated</i>	Double line map	TEKM-T3M3-303.1.3 P-1/2
3.1.4	Post mounted sign <i>2sided, Non-Illuminated</i>	Double line map	TEKM-T3M3-303.1.4 P-1/2
3.1.5	Post mounted sign <i>1 sided, Non-Illuminated</i>	Area map + system map	TEKM-T3M3-303.1.5 P-1/2
3.1.1	Face mounted sign <i>Non-Illuminated</i>	single line map	TEKM-T3M3-303.1.1 P-1/2
3.1.3	Post mounted sign <i>1 sided, Non-Illuminated</i>	single line map	TEKM-T3M3-303.1.3 P-1/2
4	Statutory sign		
4.1	Suspended sign <i>Illuminated, 2 sided</i>	Way to ETS at platform	From vendor
4.2	Face mounted sign <i>Illuminated</i>	Way to emergency exit	From vendor
4.3	Projected sign <i>Illuminated, 2 sided</i>	Way to emergency exit	From vendor
2.5	Face mounted plate sign <i>Non-Illuminated</i>	Restricted entry	TEKM-T3M3-302.5 P-1
3.2	Face mounted frame sign <i>Non-Illuminated</i>	Entry strictly prohibited	TEKM-T3M3-303.2 P-1
7	Print signs		
7.1	Print on opaque vinyl <i>Non-Illuminated, 1 sided</i>	Restricted entry sign	NA
7.2	Print on frost vinyl <i>Non-Illuminated, 1 sided</i>	Ticket information sign	NA
7.3	floor marking <i>Non-Illuminated, 1 sided</i>	stand behind yellow line sign	NA

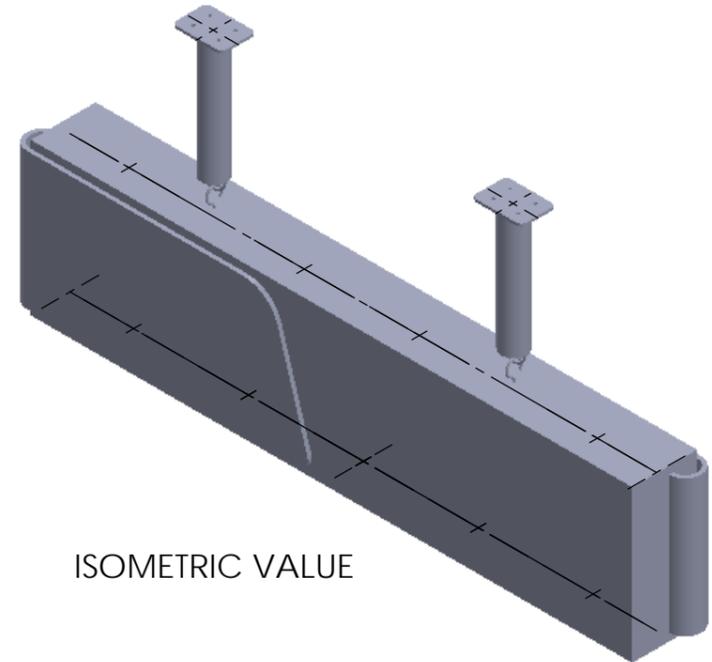
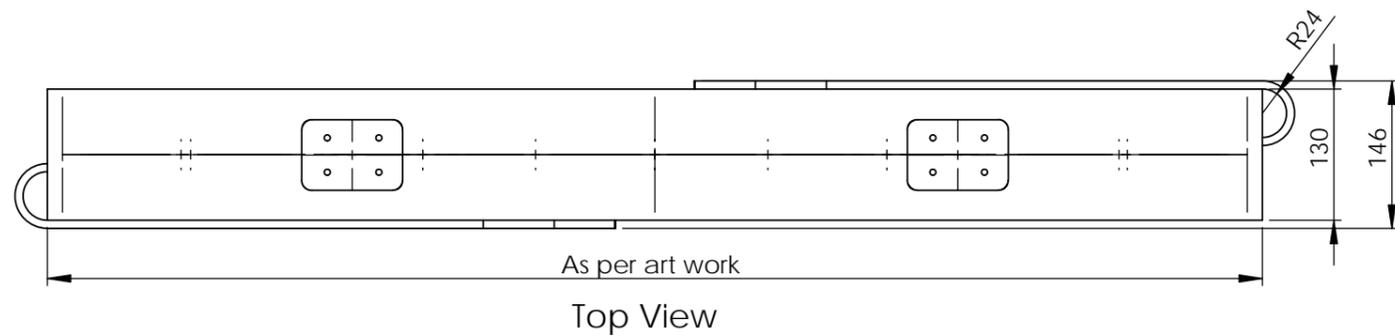
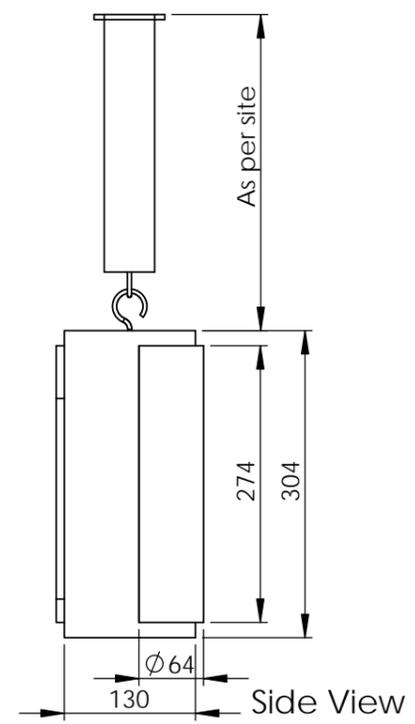
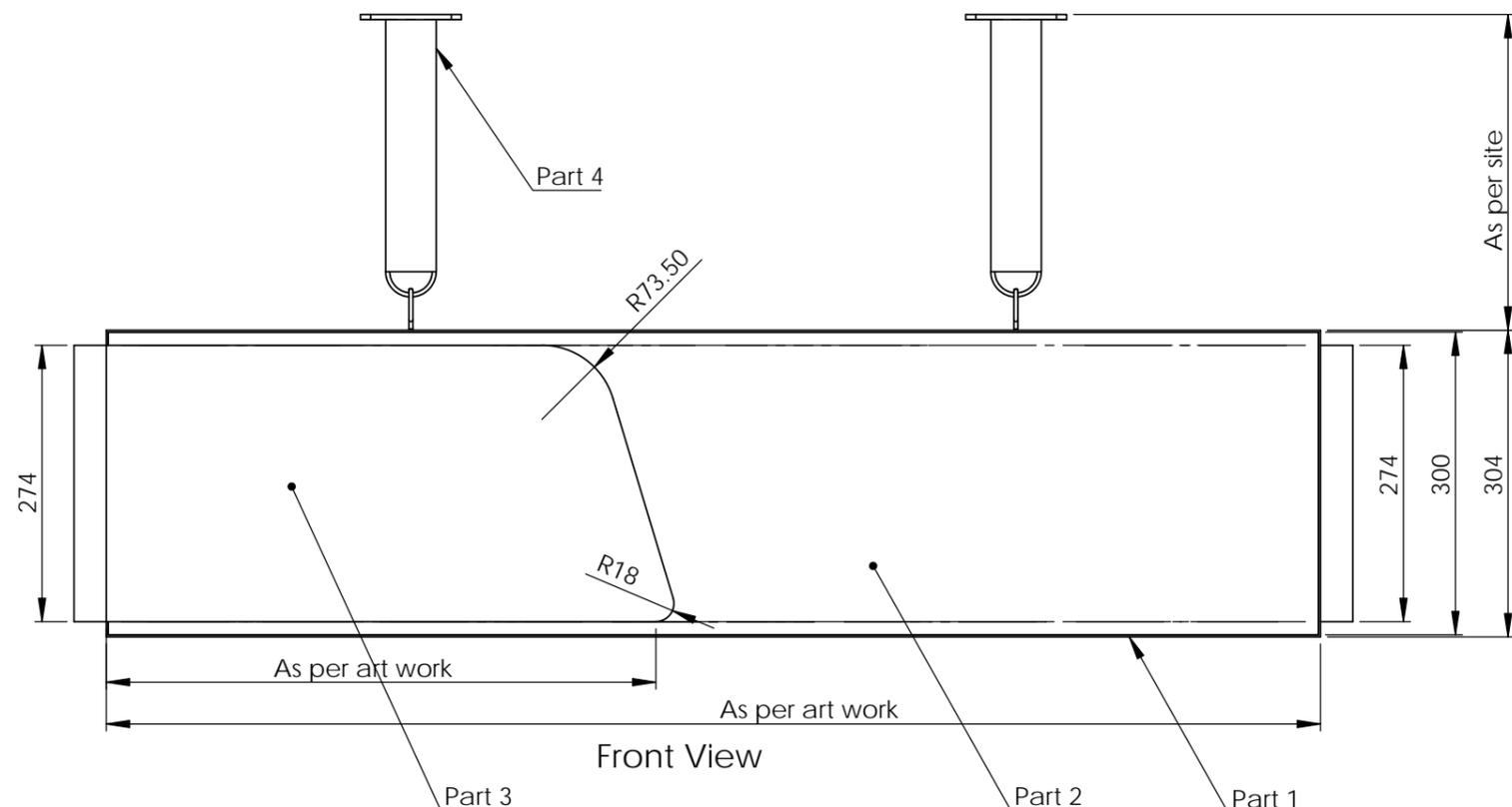
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ISOMETRIC VALUE

MATERIAL NOTES :

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- Powder coated in RAL classic 7016 .
- Part 2:** - Sign Panel.
- 8mm thick clear acrylic over which plotter cut vinyl is pasted .
- Part 3:** - Sign Panel.
- 8mm thick clear acrylic turned to radius over which plotter cut vinyl is pasted.
- Part 4 :** - 50mm dia pipe as light suspender upto a height of 4m

GENERAL NOTES:

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- ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
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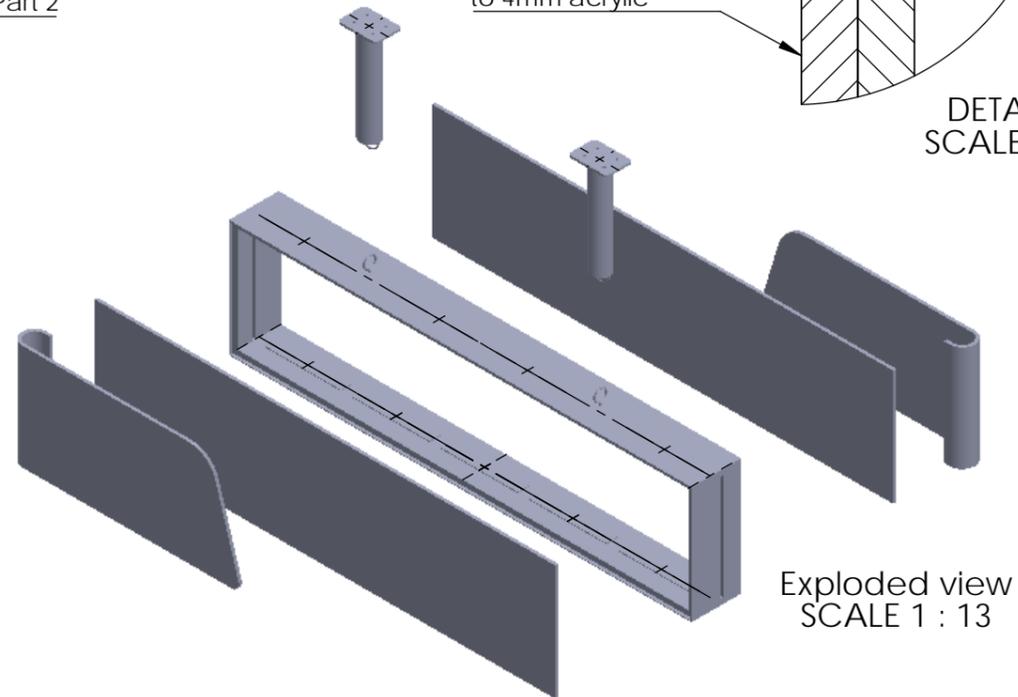
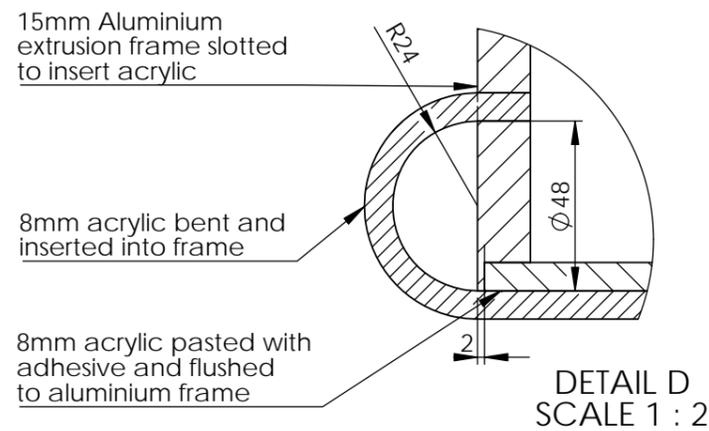
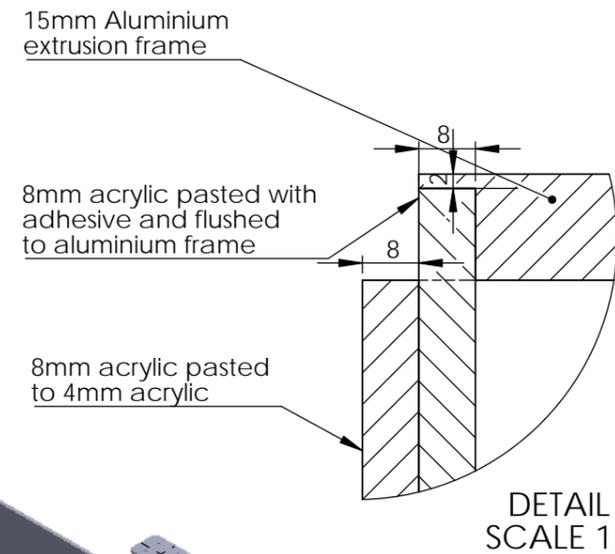
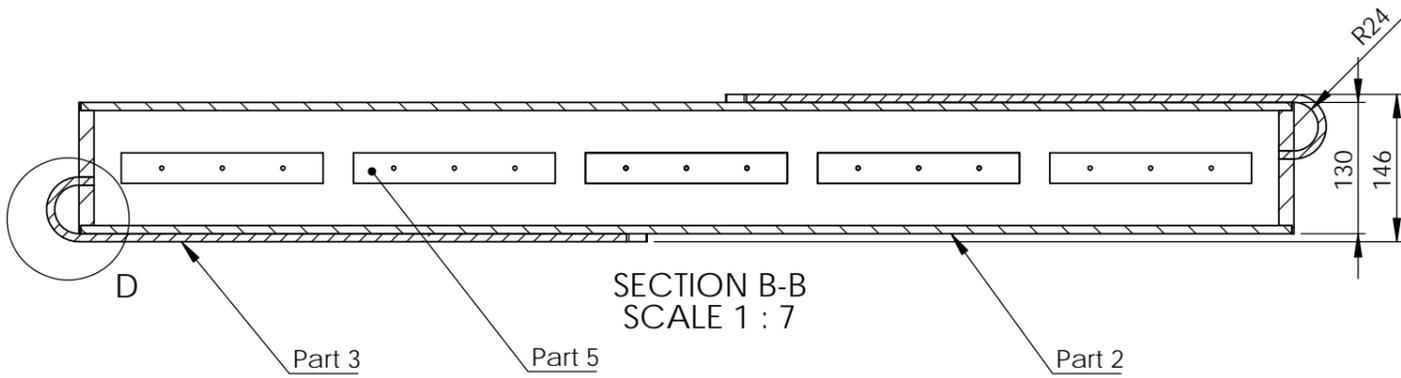
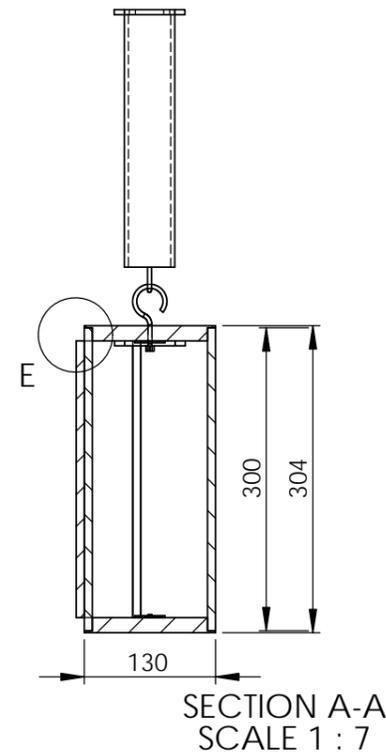
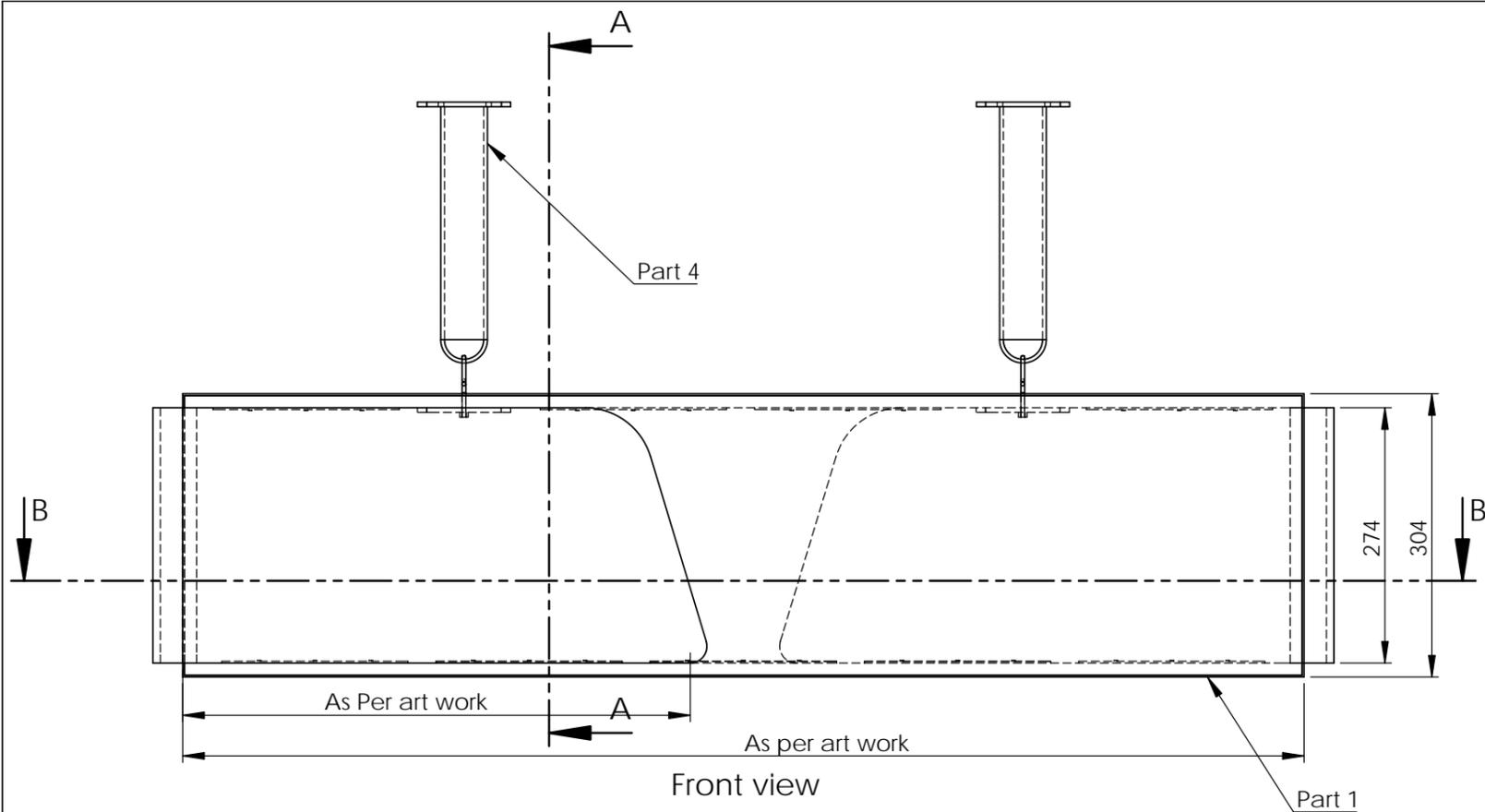
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Authorised Signatory for SGDC.

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BANGALORE-560048



APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: Direction Sign, Suspended		
DY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.1P-01	
	DATE: 30.12.15	DRAWN BY: Dinesh	
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	



MATERIAL NOTES :

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- 15mm thick 130mmwide aluminium extrusion.
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- Part 4 :** - 50mm dia pipe as light suspender upto a height of 4m
- Part 5 :** - Led module as per further specification

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REV NO	DATE	DESCRIPTION	SIGN

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	KOCHI METRO RAIL LIMITED		
	SIGN NAME: Directino Sign, Suspended		
DY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.1P-02	
	DATE: 30.12.15	DRAWN BY: Dinesh	
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	

Instructions :

STRUCTURAL NOTES:

1. all dimensions are in millimeters and levels are in meters.
2. Structural steel shall be conform to is:2062 grade a(1992), or is 1161 or grade b(1992)as applicable.
3. Bolts and nuts shall conform to is:1363 and 1367(1980).
4. Fabrication of structural steel shall conform to is:800(1984).
5. Length of inclined members and sizes of gusset plates shall be obtained by full scale shop layout.
6. All dimensions and levels shall be checked as per shop / site layout before commencing fabrication work.
7. Splicing if required shall be as per approved details.
8. Dimensions and levels shall be checked,prior to erection.
9. fabricator has to cross check the dimensions at the site before execution of the work.
10. Fabricator will be held responsible for any errors at site.
11. Do not scale the drawing.

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REV NO	DATE	DESCRIPTION	SIGN

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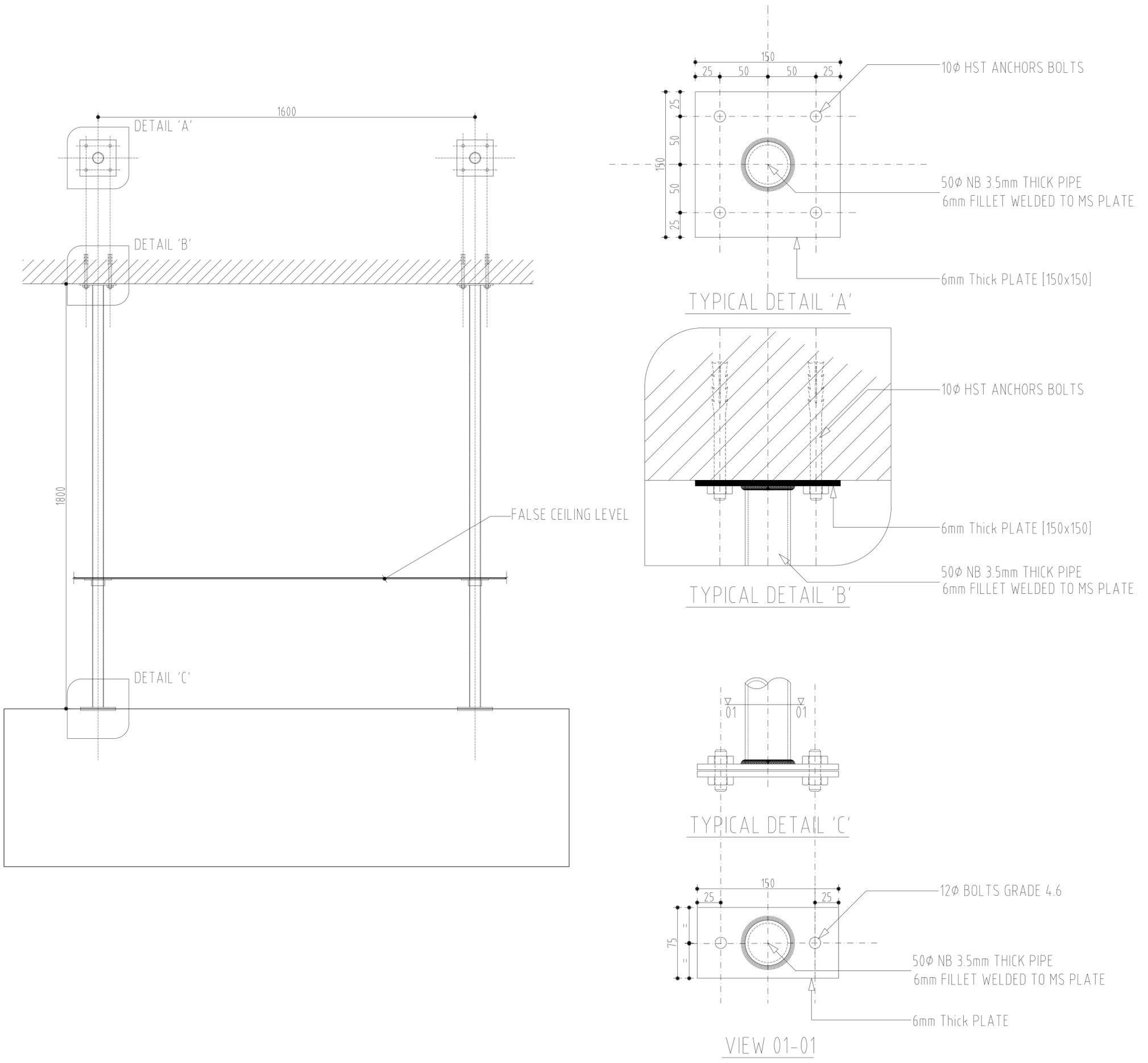
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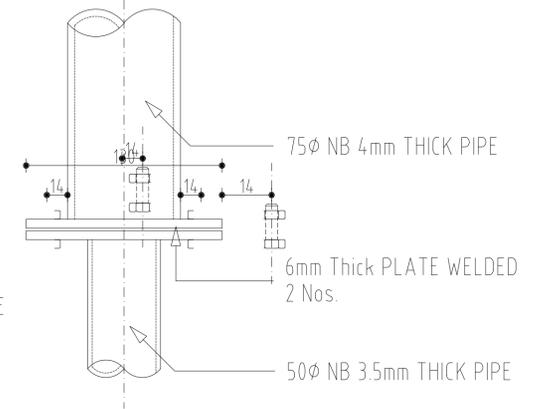
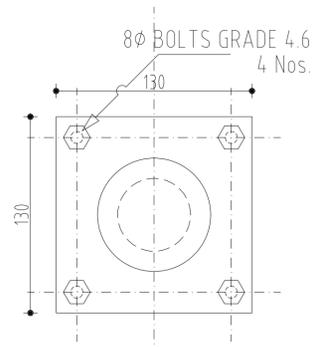
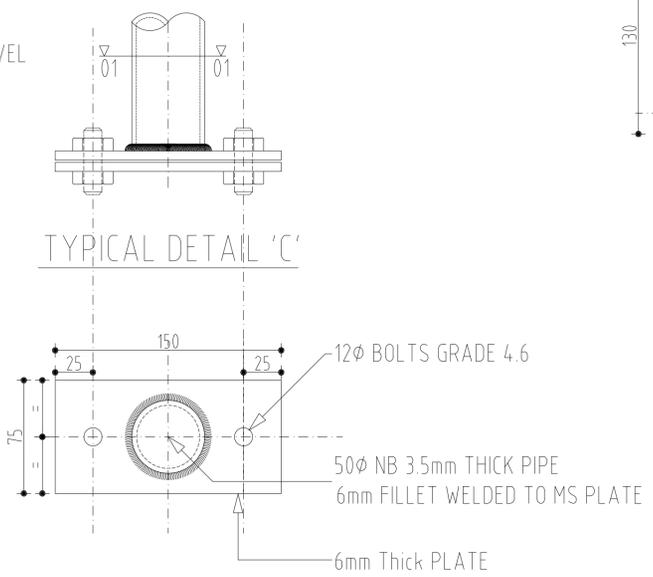
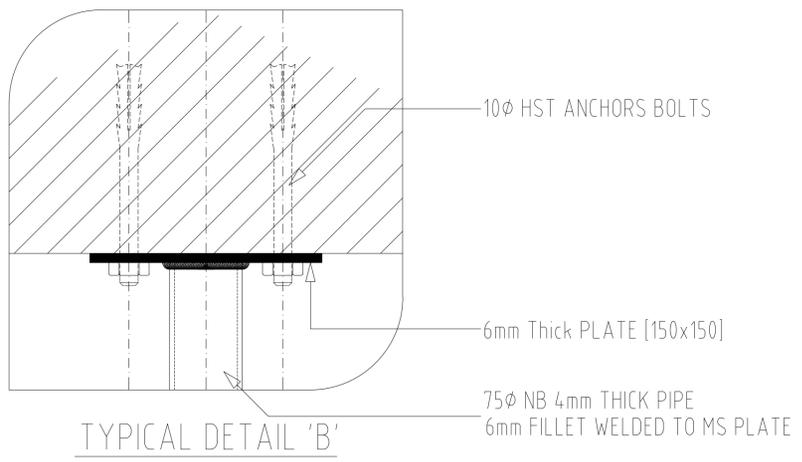
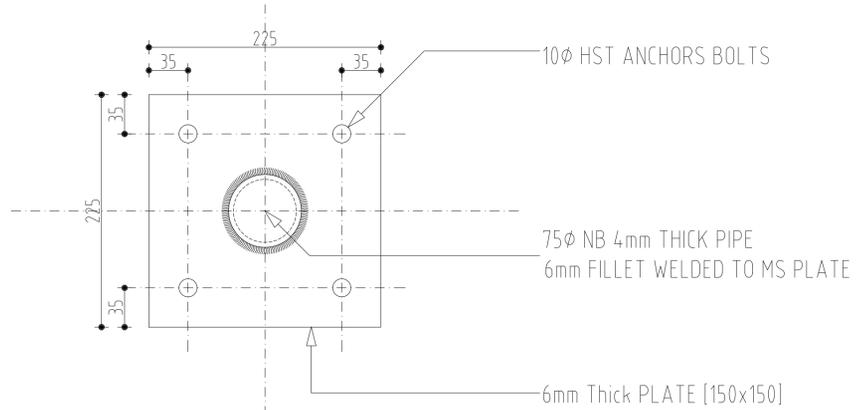
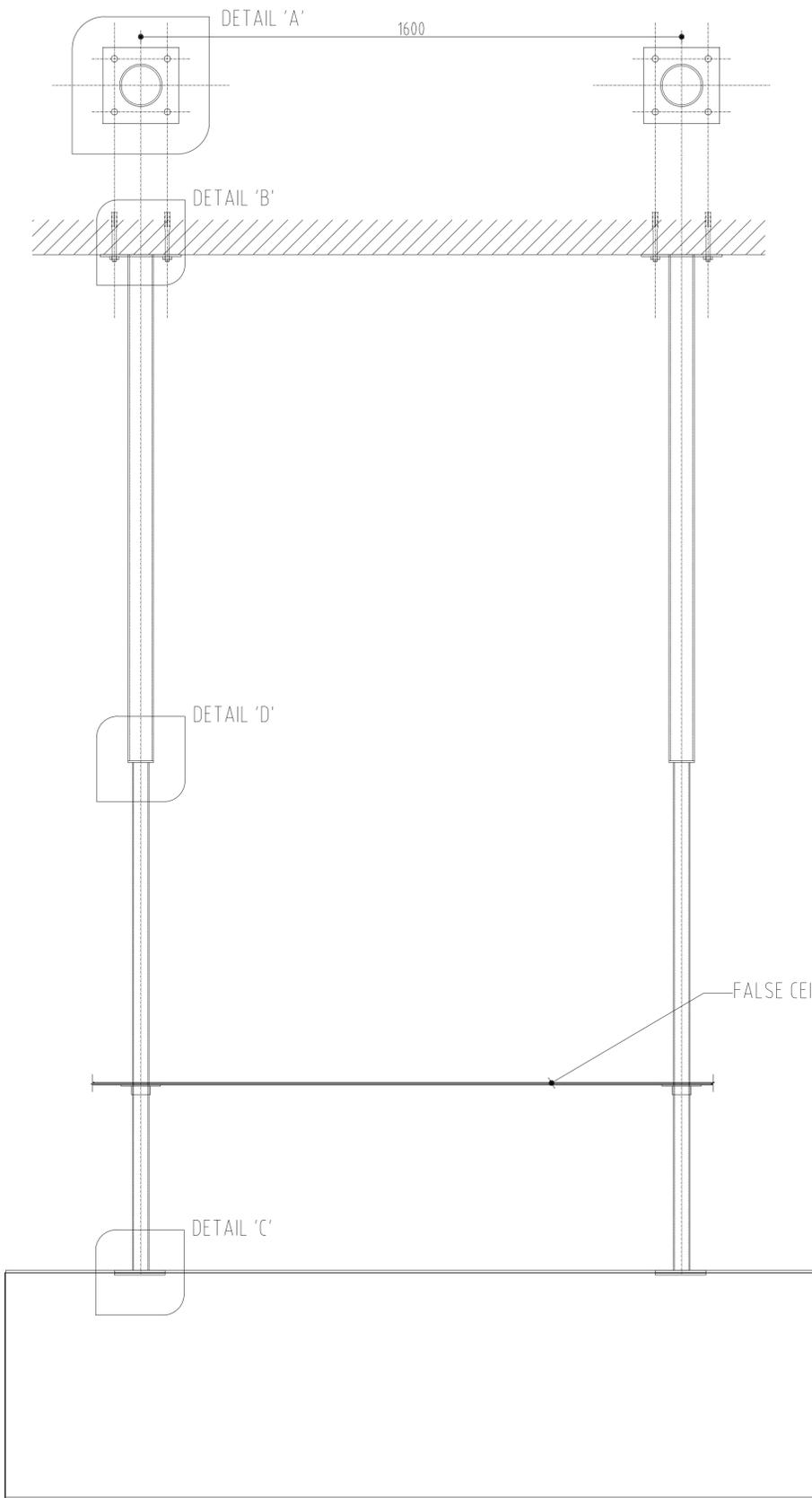
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	SIGN NAME: Direction Sign, Suspended		
BY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRGNO: TEKM-TM3-301.1P-03	
	DATE: 02.02.16	DRAWN BY: Dinesh	
CE (D&C)	REV.NO: 2	CHECKED BY: Puneet	

SIGNAGE&GRAPHICS





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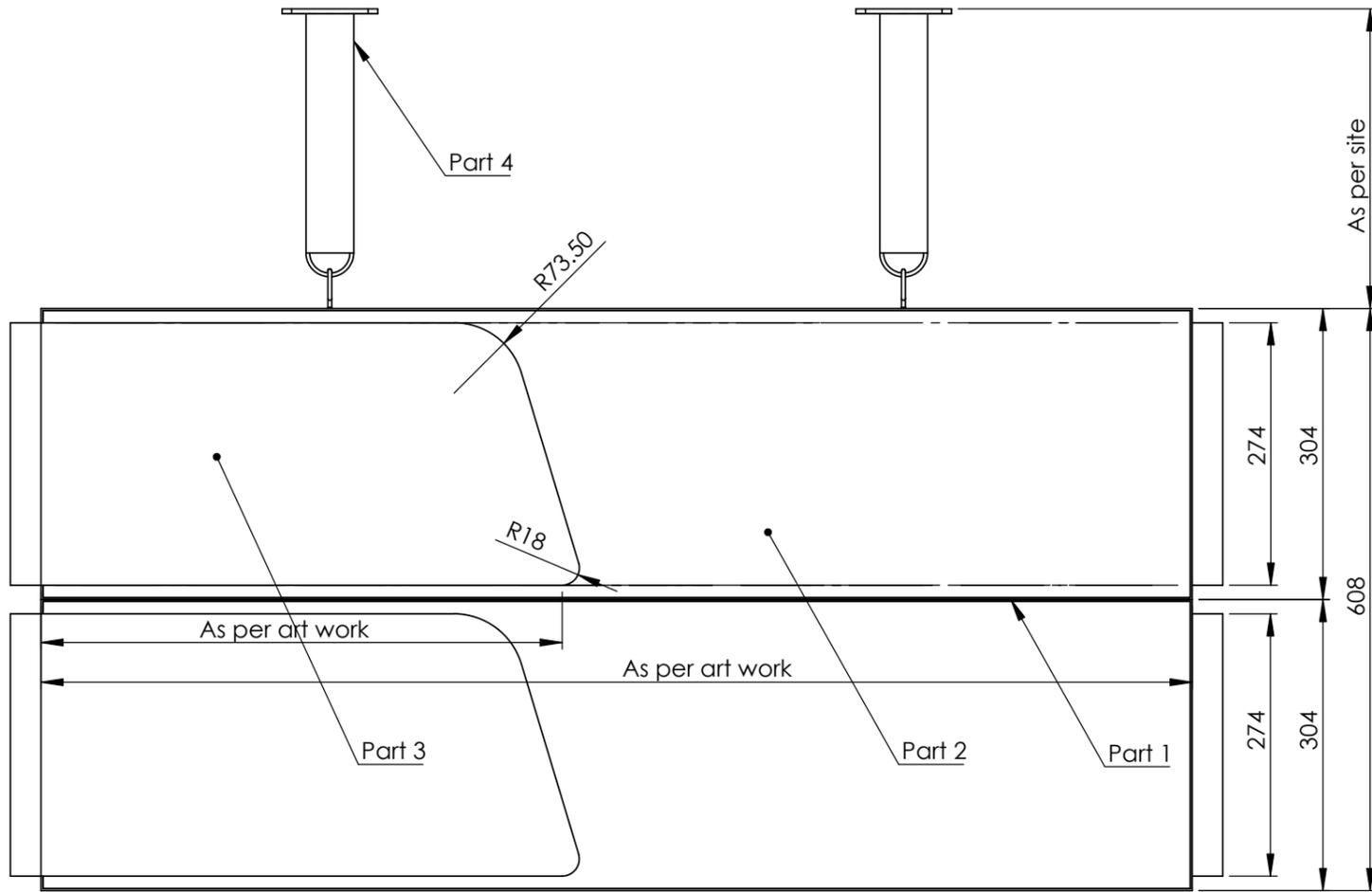
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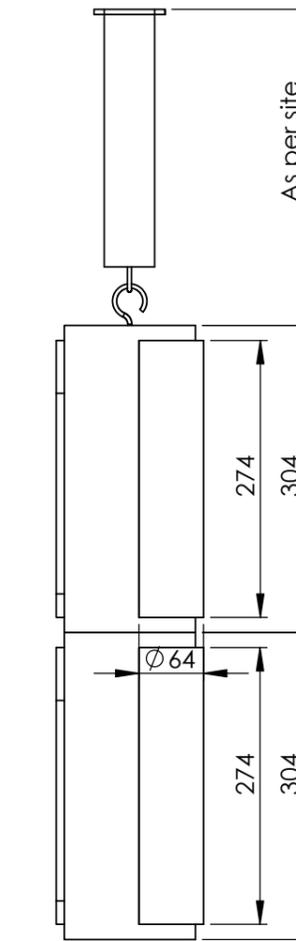
APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		
BY CE	KOCHI METRO RAIL LIMITED		
	SIGN NAME:	Direction Sign, Suspended	
CE (D&C)	STATUS:	TENDER (TEKM /TENDER	
	SCALE:	STF	DRG.ND: TEKM-T3M3-301.1P-04
	DATE:	02.02.16	DRAWN BY: Dinesh
	REV.NO:	2	CHECKED BY: Puneet



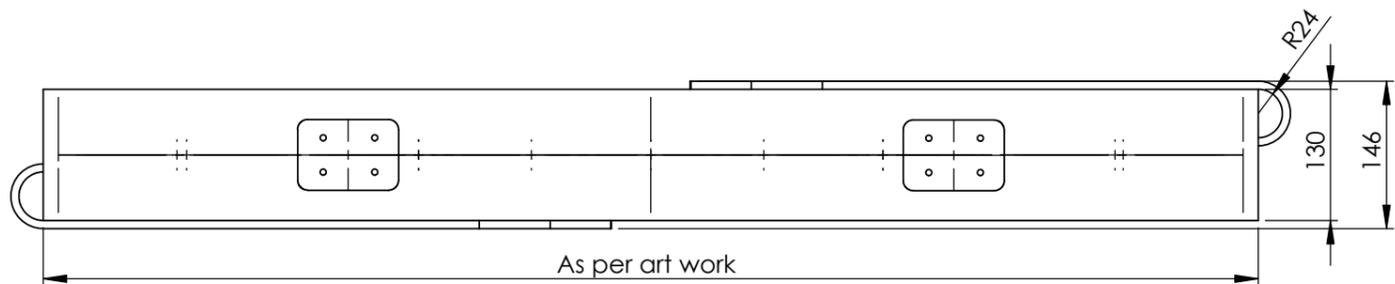
SIGNAGE&GRAPHICS



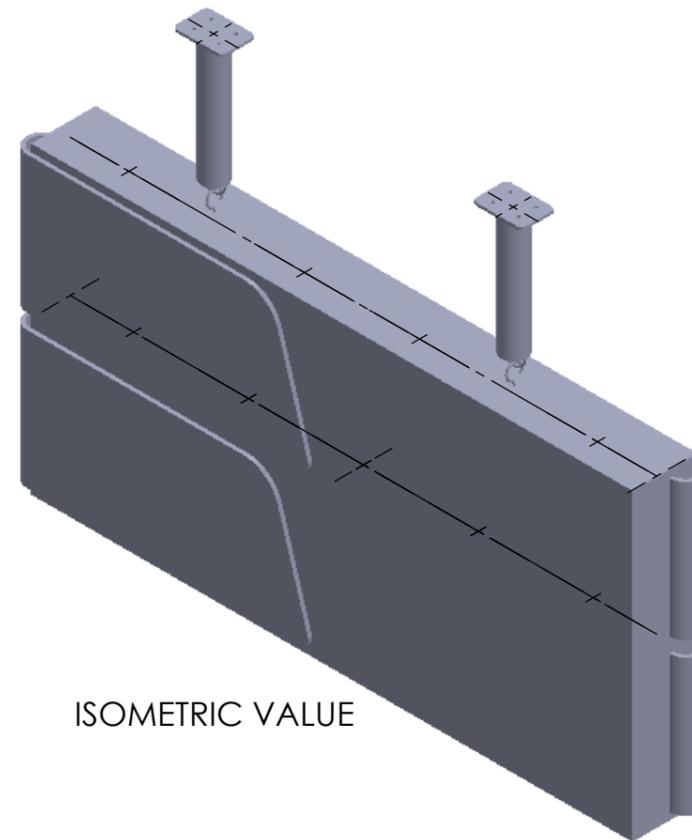
Front View



Side View



Top View



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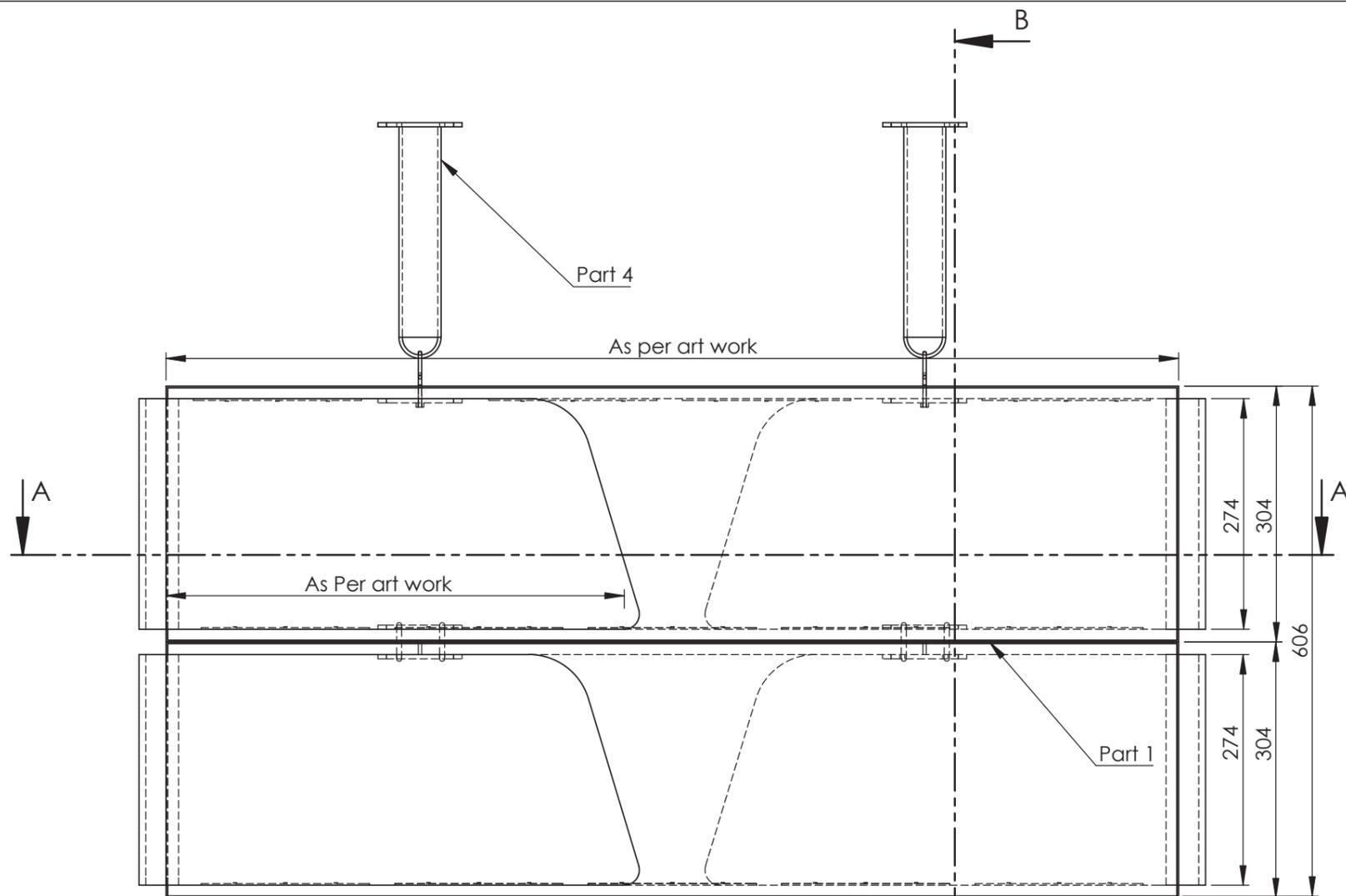
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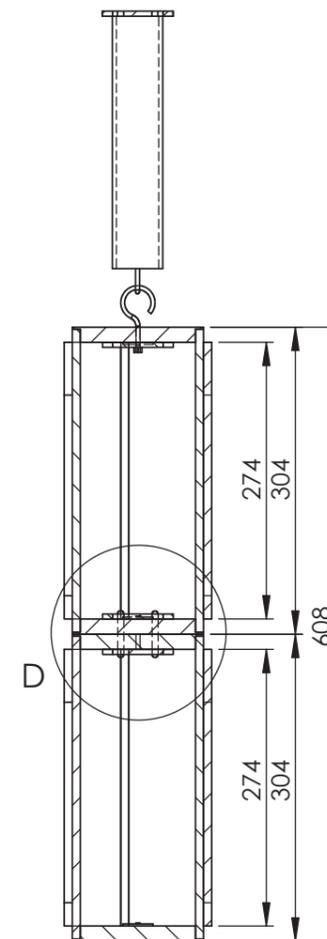
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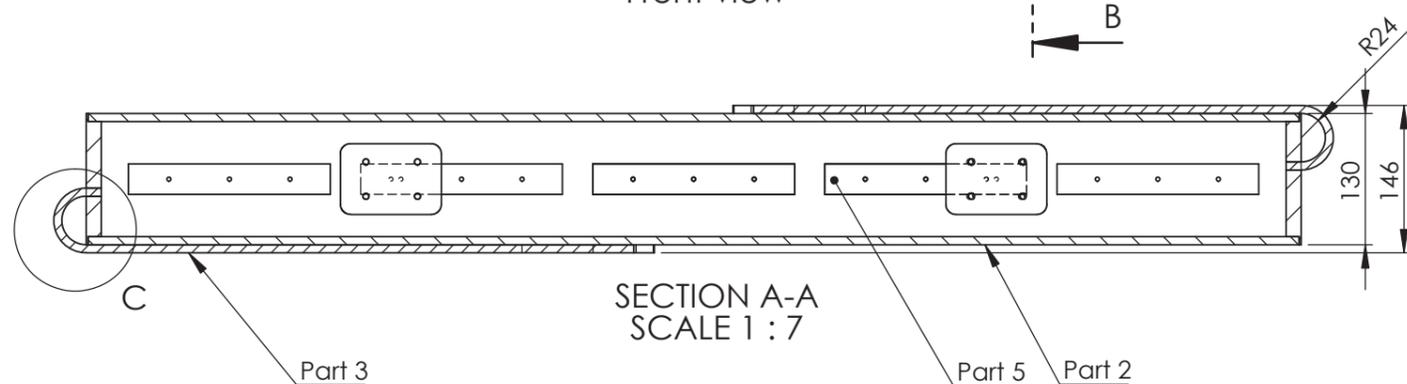
APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
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	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.2 P-01	
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CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	



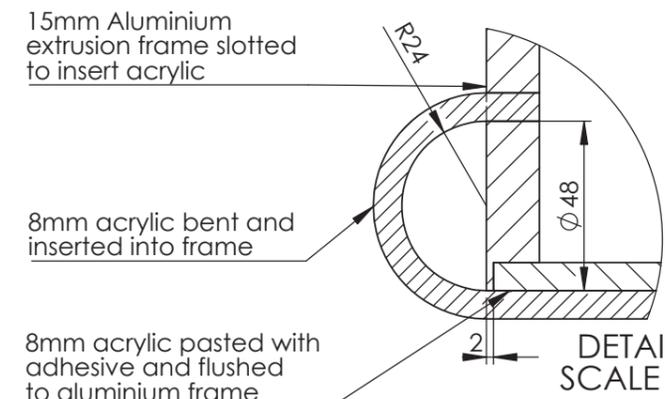
Front view



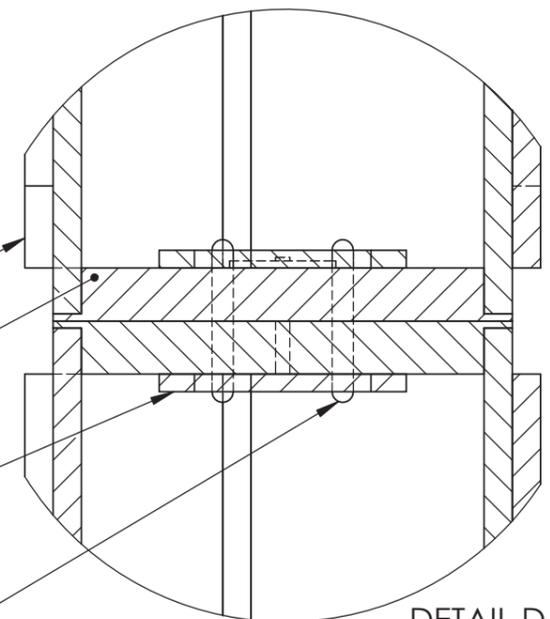
SECTION B-B
SCALE 1 : 7



SECTION A-A
SCALE 1 : 7



DETAIL C
SCALE 1 : 2



DETAIL D
SCALE 1 : 2

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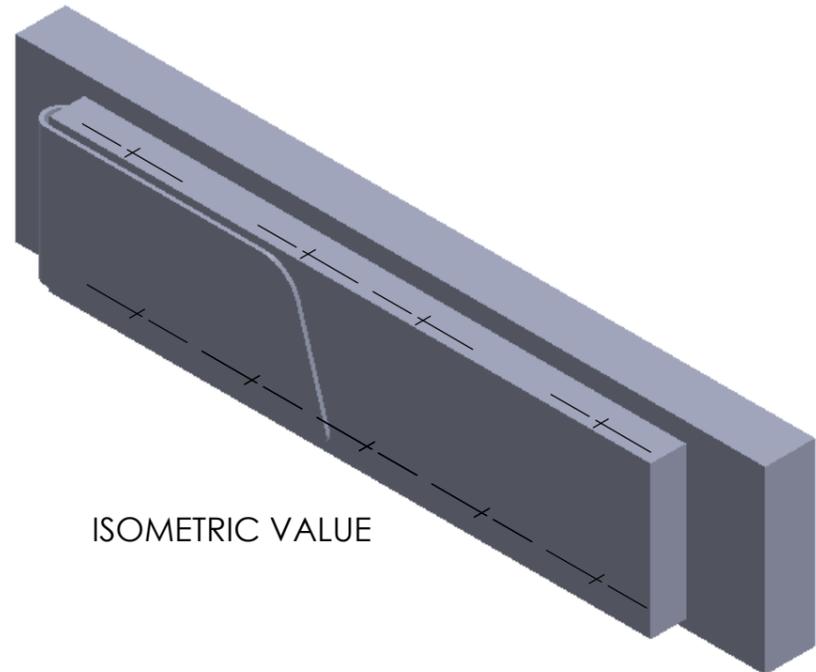
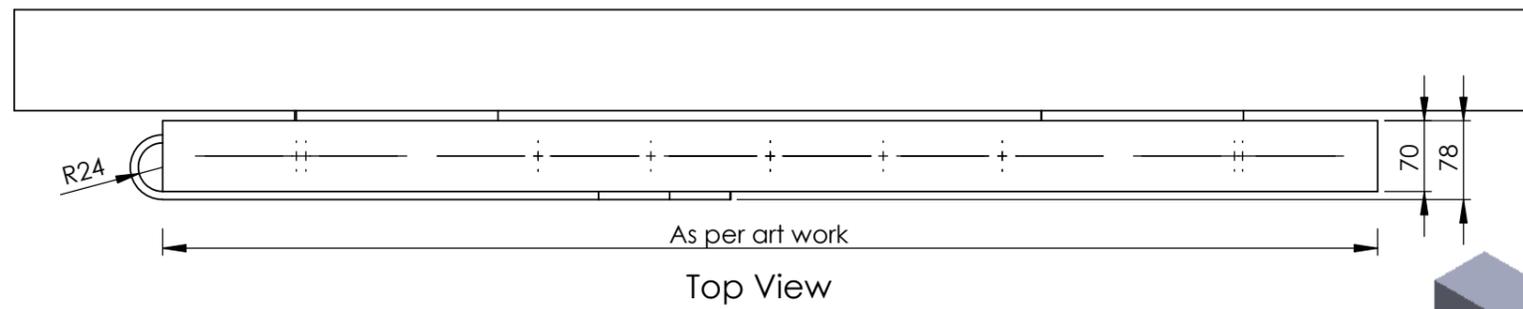
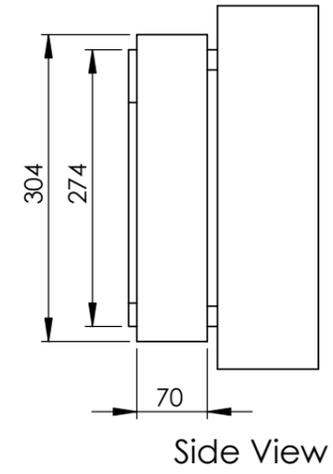
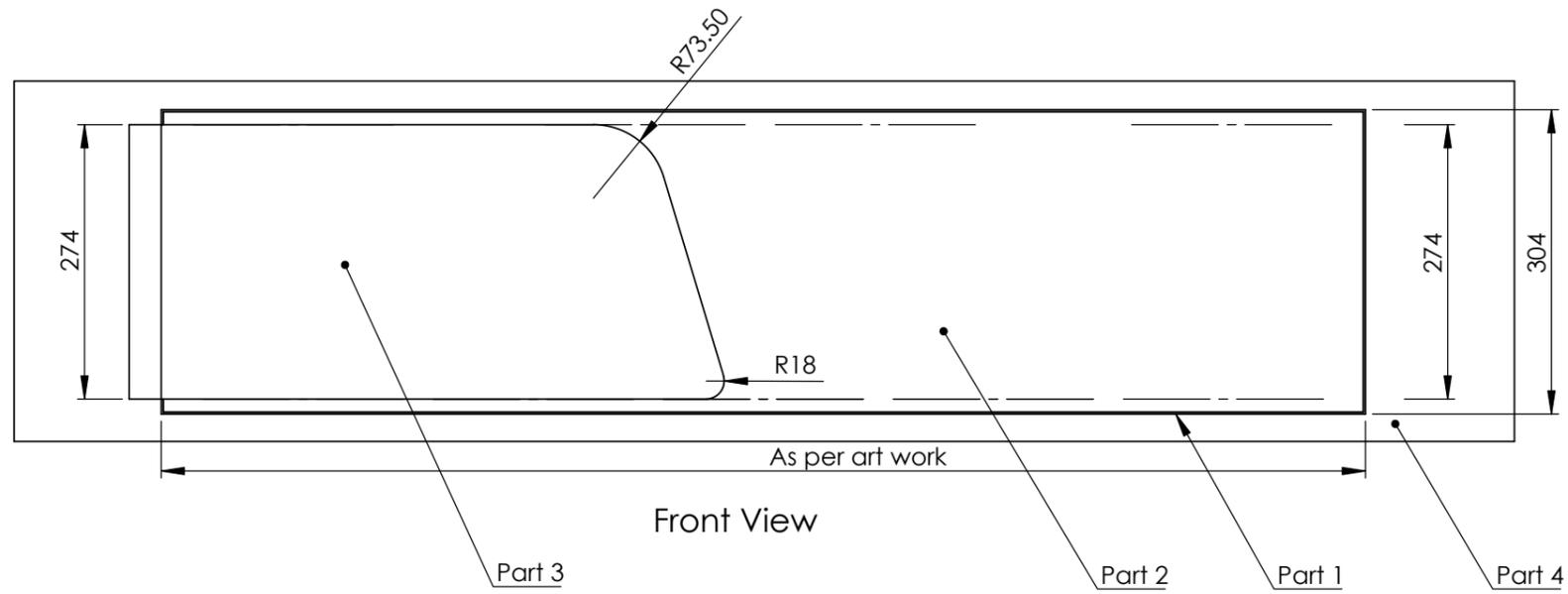
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APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: Direction Sign, Suspended, Double height		
DY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.2 P-02	
	DATE: 30.12.15	DRAWN BY: Dinesh	
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	



- MATERIAL NOTES :
- Part 1: - Sign Box .
- 15mm thick 70mm wide aluminium extrusion.
- Powder coated in RAL classic 7016 .
 - Part 2: - Sign Panel.
- 8mm thick clear acrylic over which plotter cut vinyl is pasted .
 - Part 3: - Sign Panel.
- 8mm thick clear acrylic turned to radius over which plotter cut vinyl is pasted.
 - Part 4 : - Wall on which signage is mounted

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REV NO	DATE	DESCRIPTION	SIGN

SIGNAGE AND GRAPHICS DESIGN CONSULTANT

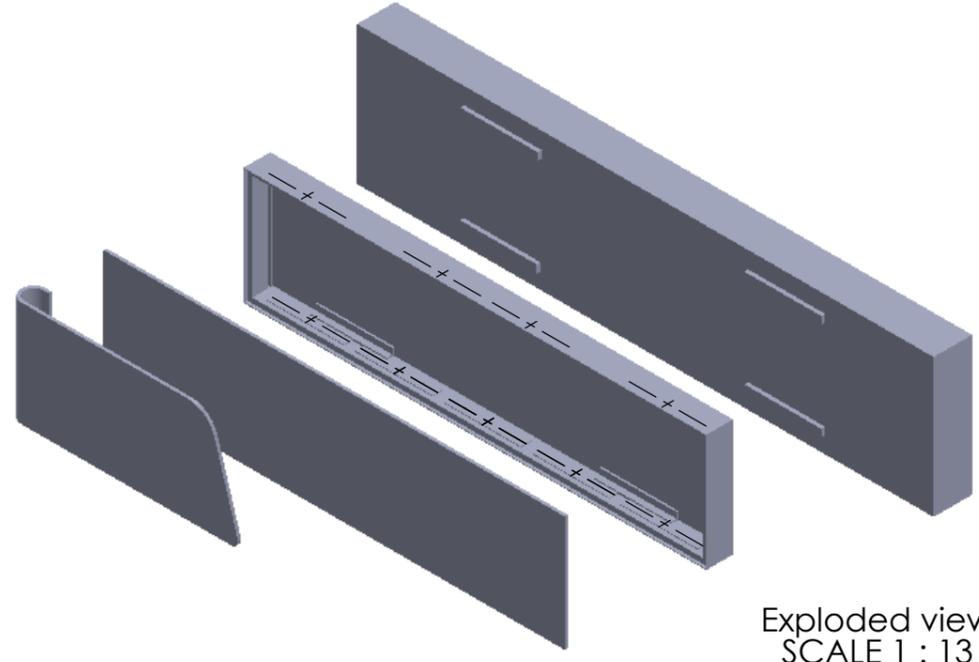
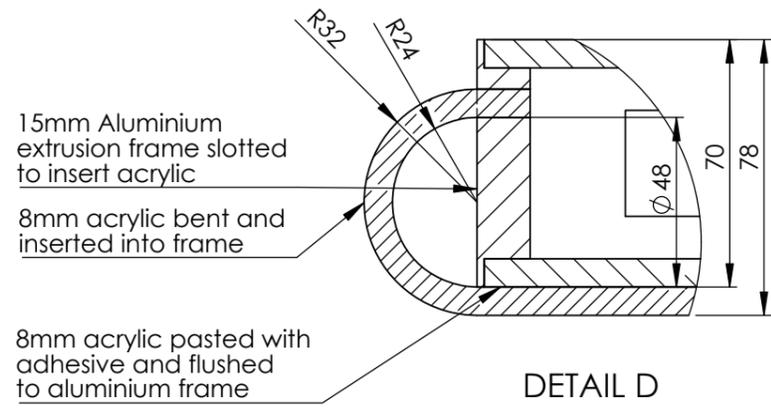
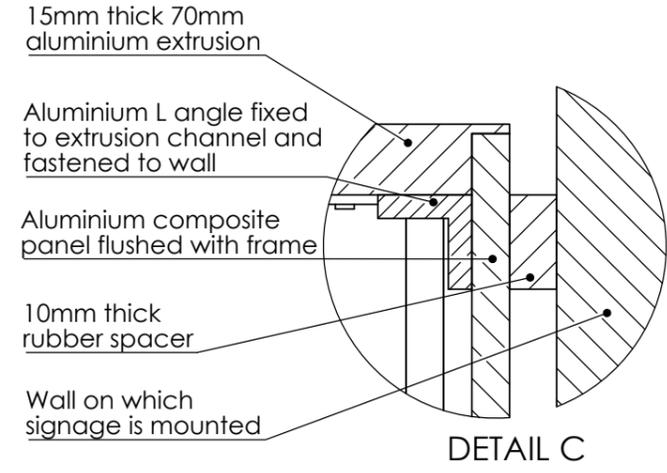
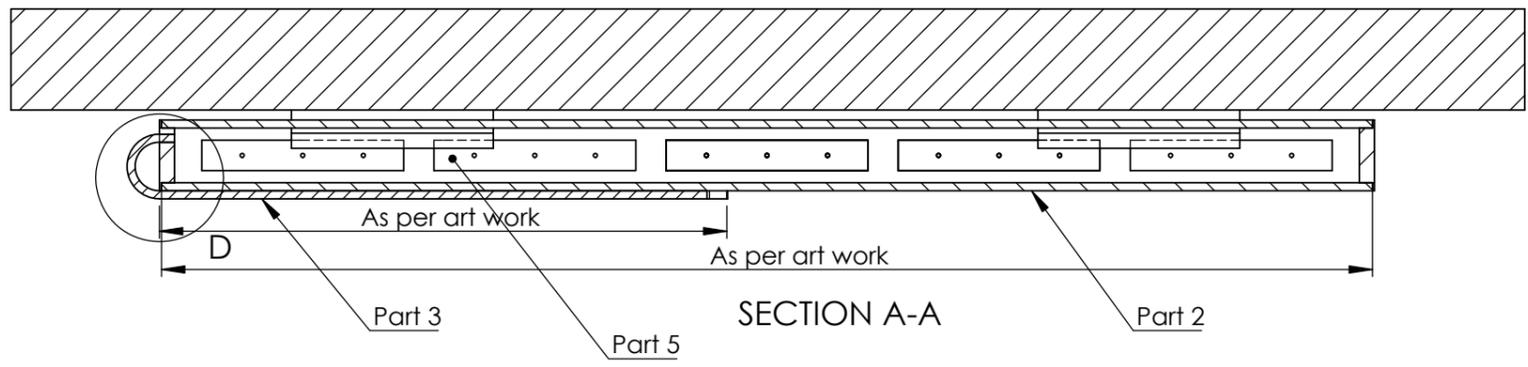
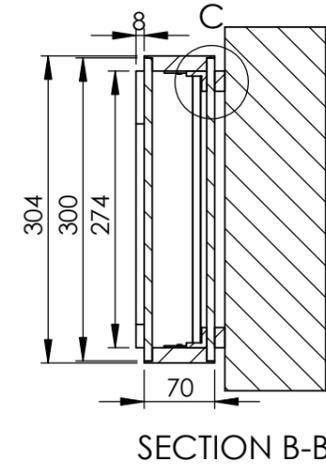
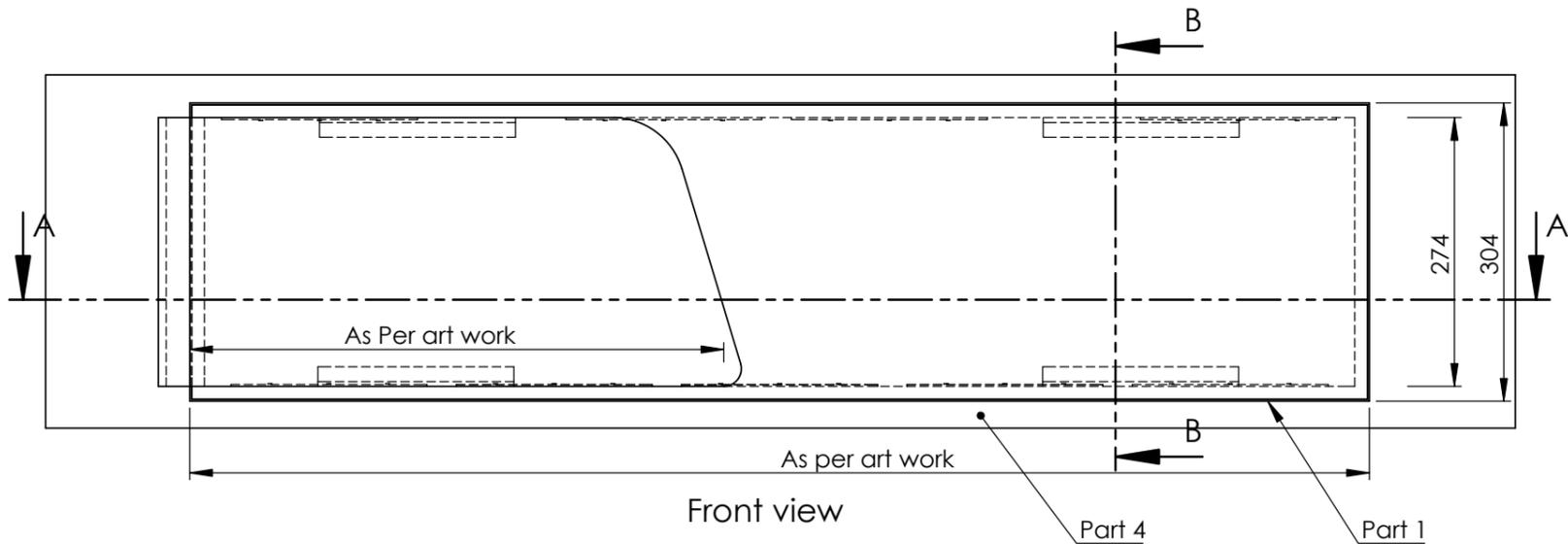
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(Name and Designation)
 Authorised Signatory for SGDC.

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APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE & GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: Direction Sign, Face mounted, Illuminated		
DY CE	STATUS: TENDER (TEKM /TENDER)		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.3P-01	
	DATE: 30.12.15	DRAWN BY: Dinesh	
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	



Exploded view
SCALE 1 : 13

MATERIAL NOTES :

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- Powder coated in RAL classic 7016 .
- Part 2:** - Sign Panel.
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- Part 3:** - Sign Panel.
- 8mm thick clear acrylic turned to radius over which plotter cut vinyl is pasted.
- Part 4 :** - Wall on which signage is mounted
- Part 5 :** - Led module as per further specification

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REV NO	DATE	DESCRIPTION	SIGN

SIGNAGE AND GRAPHICS DESIGN CONSULTANT

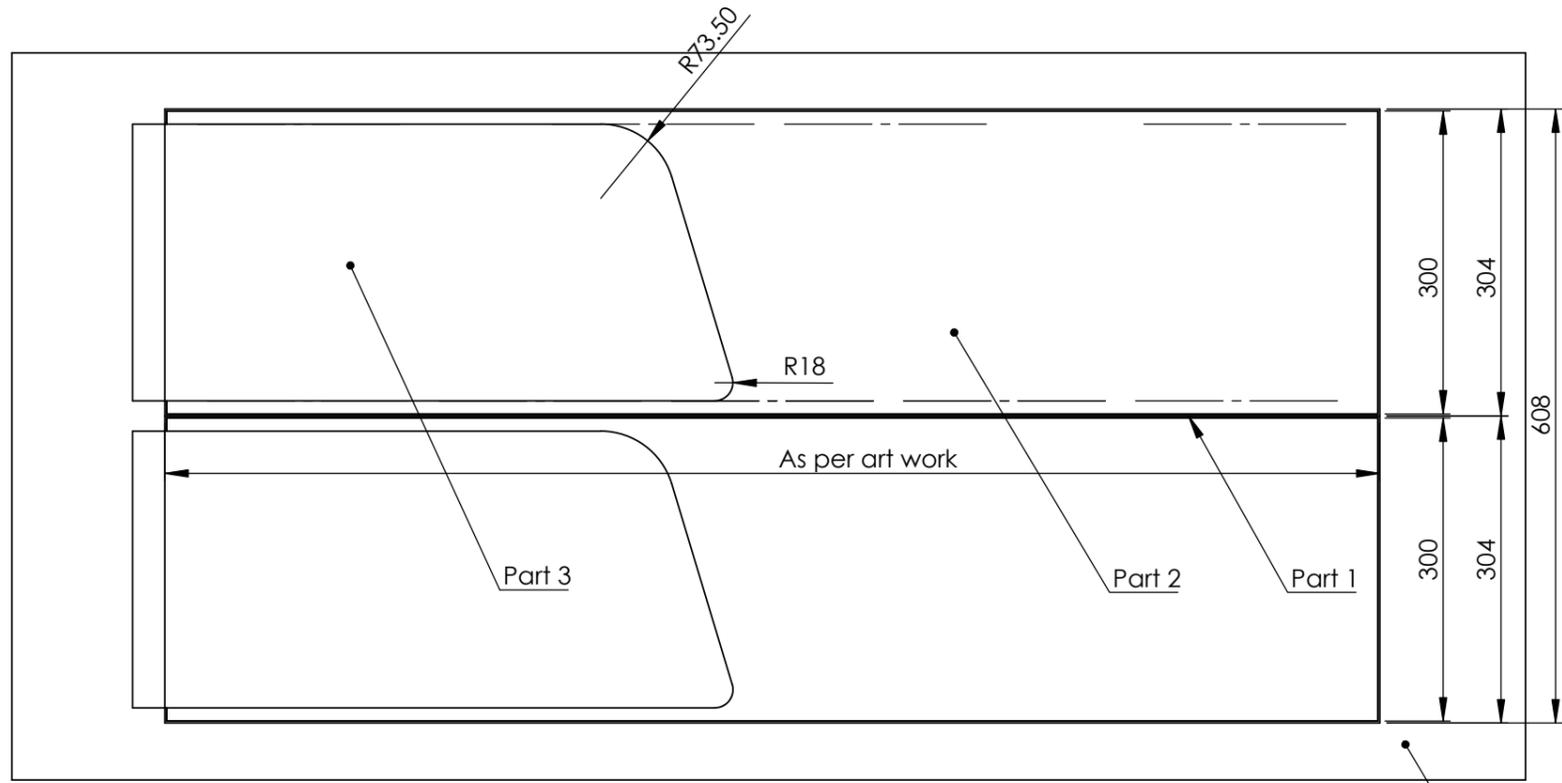
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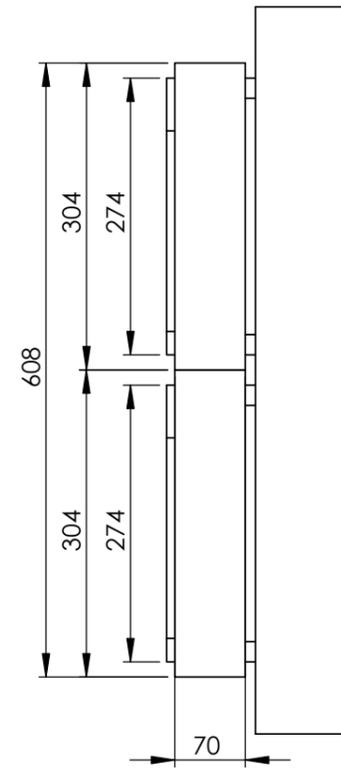
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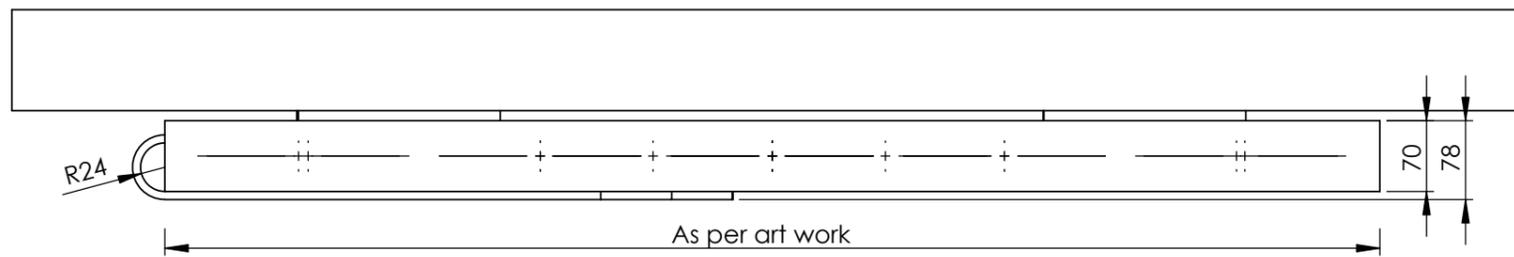
APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: Directino Sign, Post mounted, Illuminated		
DY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.3P-02	
	DATE: 30.12.15	DRAWN BY: Dinesh	
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	



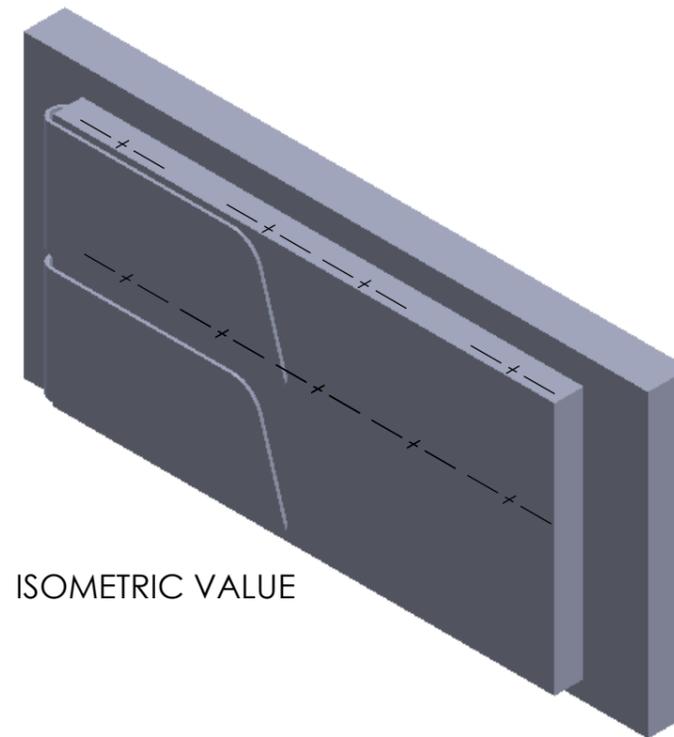
Front View



Side View



Top View



ISOMETRIC VALUE

MATERIAL NOTES :

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- Powder coated in RAL classic 7016 .
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REV NO	DATE	DESCRIPTION	SIGN

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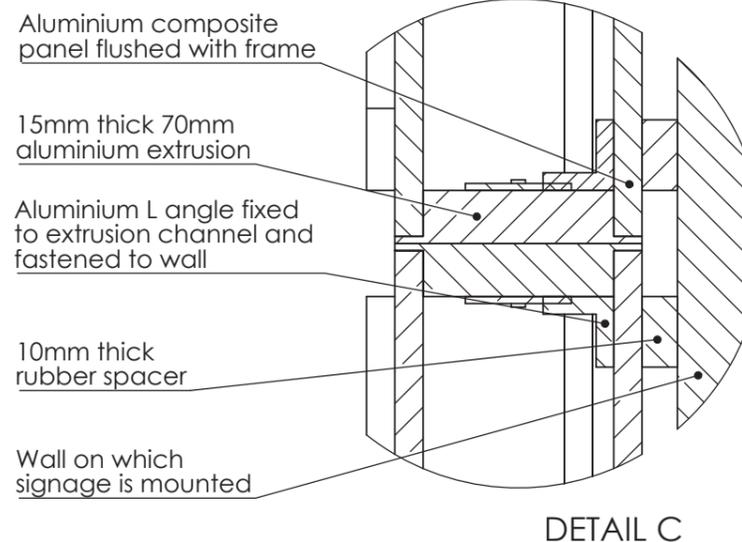
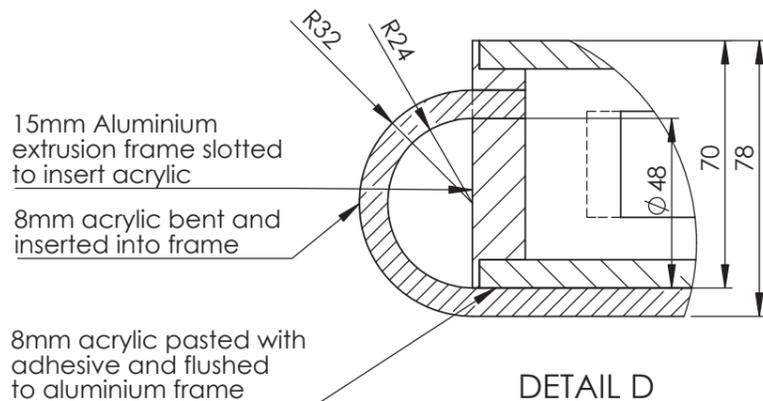
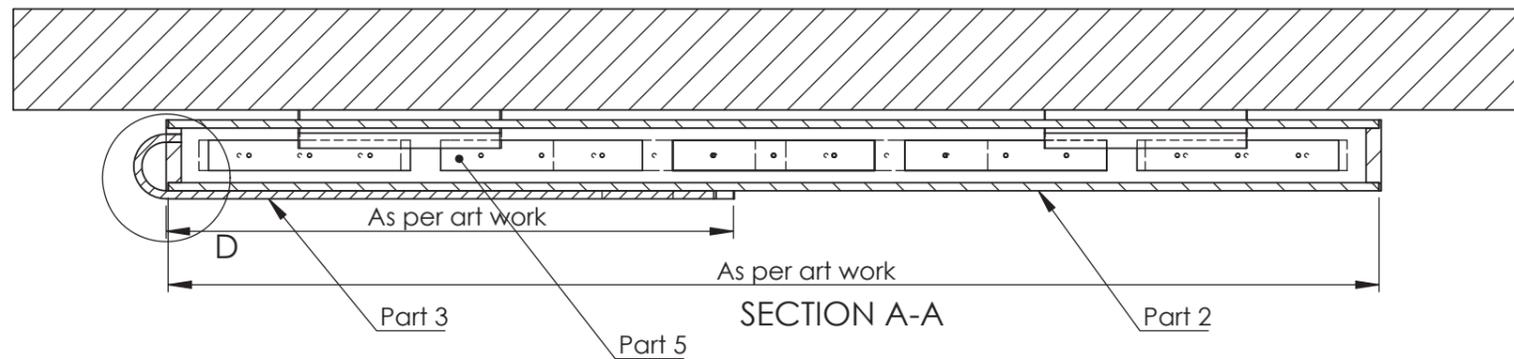
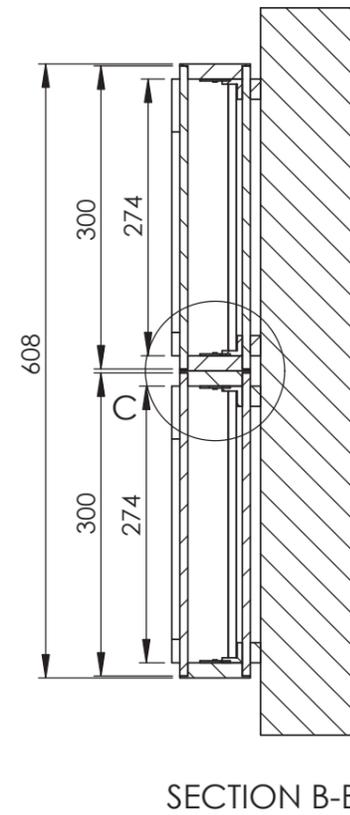
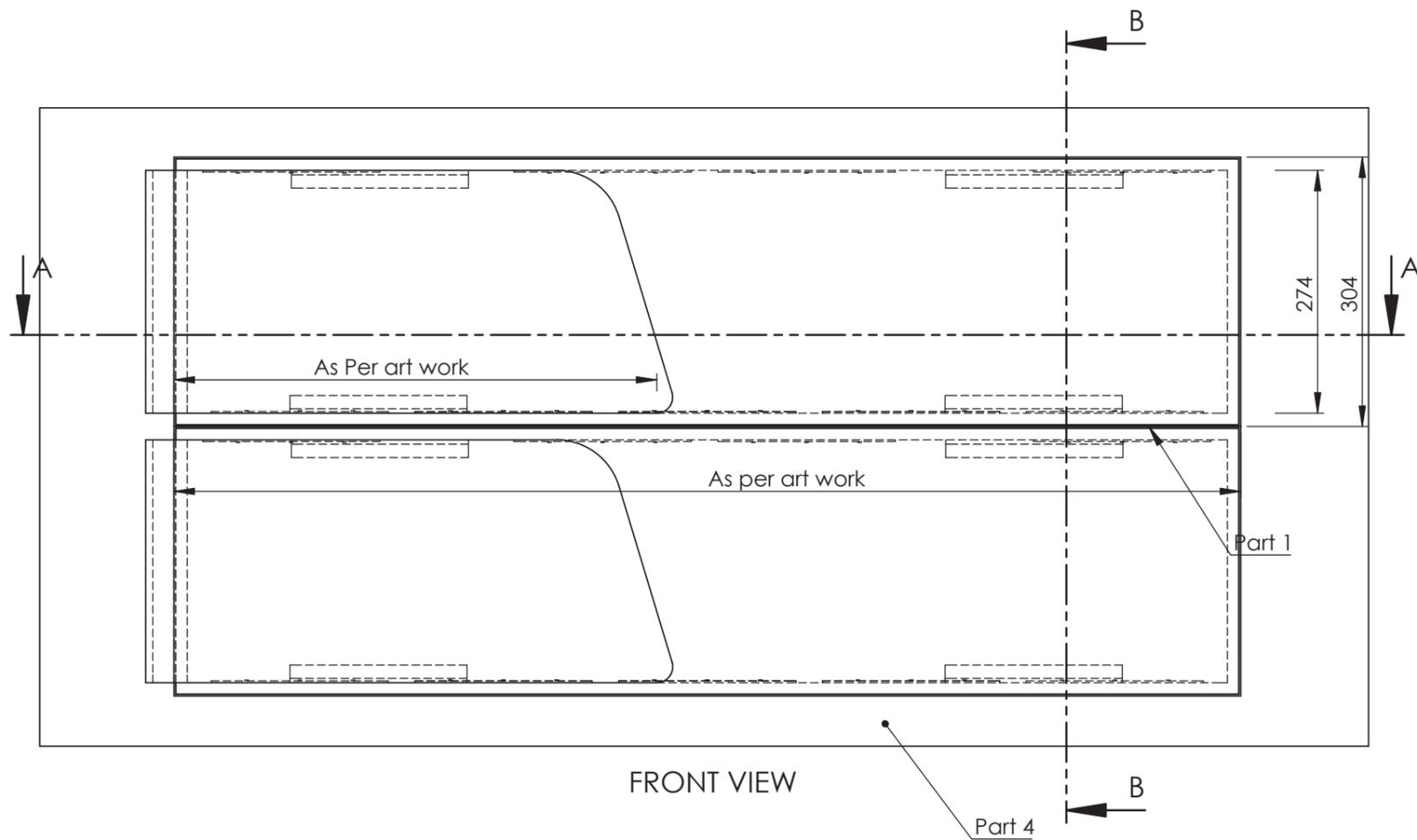
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APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		
DY CE	KOCHI METRO RAIL LIMITED		
	SIGN NAME: Direction Sign, Face mounted, Double height		
CE (D&C)	STATUS: TENDER (TEKM /TENDER)	DRG.NO: TEKM-T3M3-301.1.4P-1	
	SCALE: STF	DRAWN BY: Dinesh	
	DATE: 30.12.15	CHECKED BY: Puneet	

SIGNAGE&GRAPHICS



MATERIAL NOTES :

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REV NO	DATE	DESCRIPTION	SIGN

SIGNAGE AND GRAPHICS DESIGN CONSULTANT

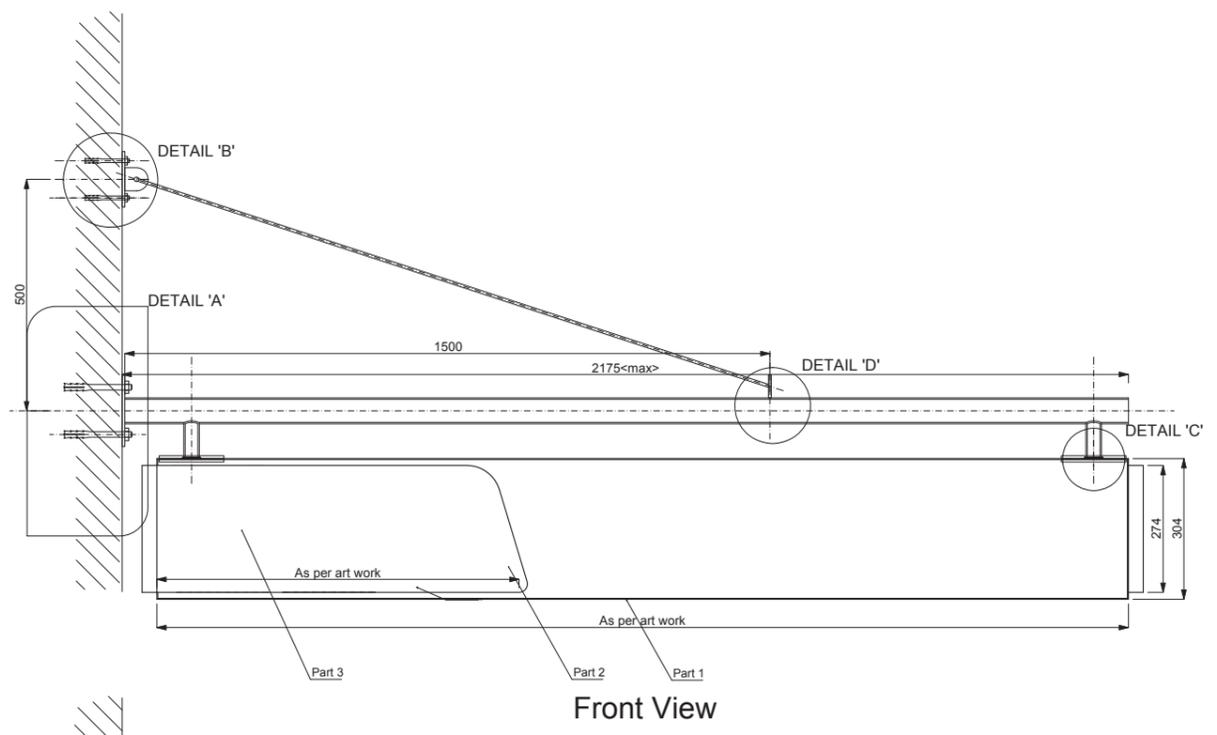
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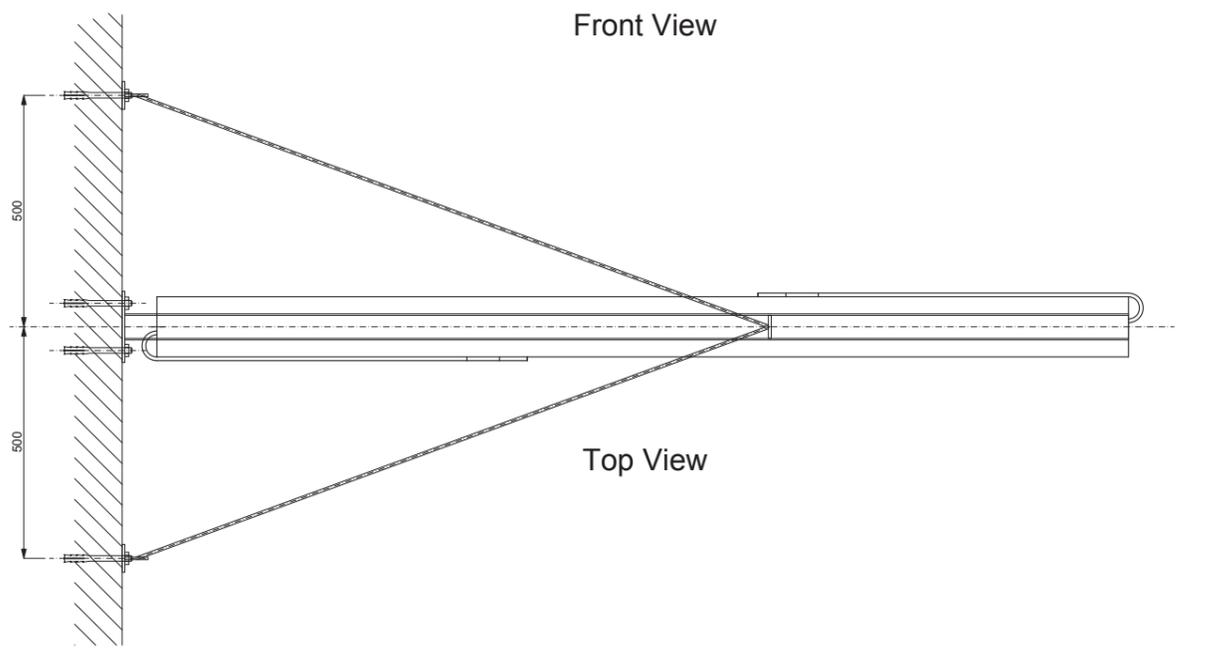
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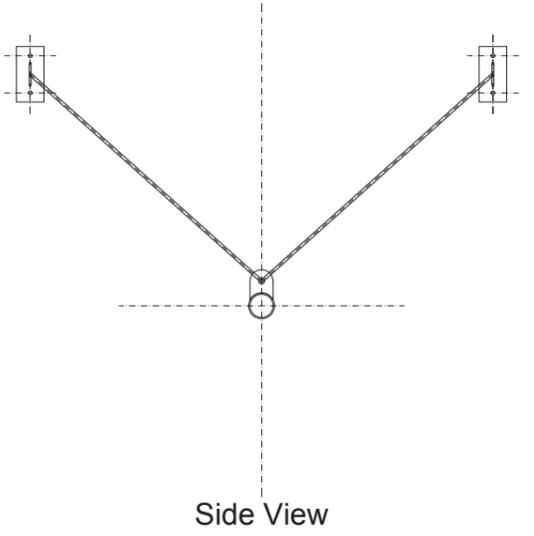
APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: Direction Sign, Face mounted, Double height		
DY CE	STATUS: TENDER (TEKM /TENDER)		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.4P-2	
	DATE: 30.12.15	DRAWN BY: Dinesh	
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	



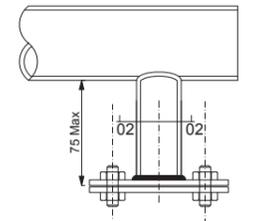
Front View



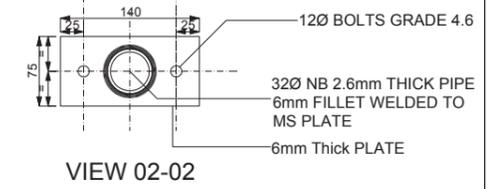
Top View



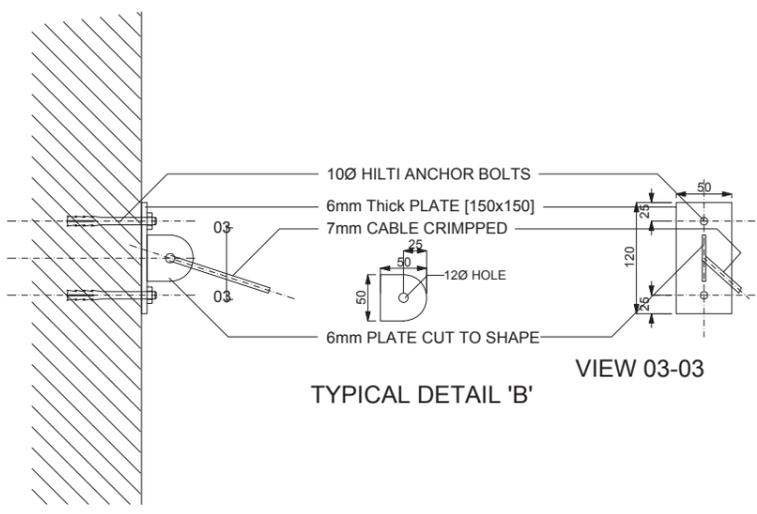
Side View



TYPICAL DETAIL 'C'

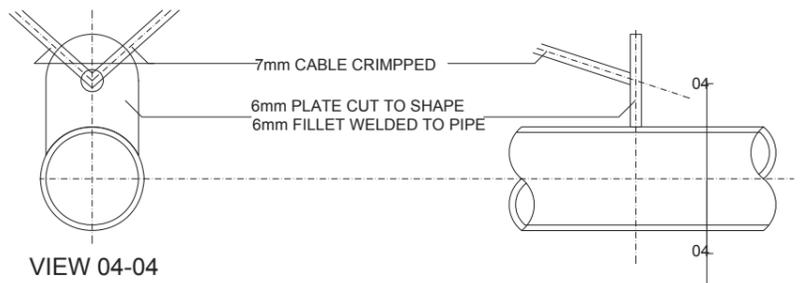
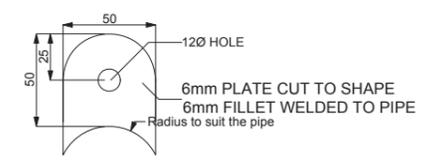


VIEW 02-02



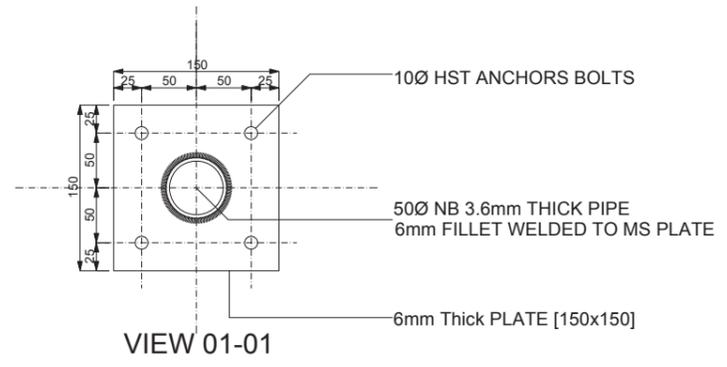
TYPICAL DETAIL 'B'

VIEW 03-03

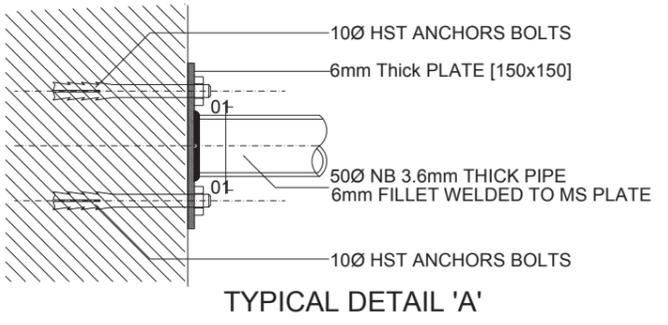


VIEW 04-04

TYPICAL DETAIL 'D'



VIEW 01-01



TYPICAL DETAIL 'A'

MATERIAL NOTES :

- Part 1:
 - Sign Box .
 - 15mm thick 130mm wide aluminium extrusion.
 - Powder coated in RAL classic 7016 .
- Part 2:
 - Sign Panel.
 - 8mm thick clear acrylic over which plotter cut vinyl is pasted
- Part 3:
 - Sign Panel.
 - 8mm thick clear acrylic turned to radius over which plotter cut vinyl is pasted.

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REV NO	DATE	DESCRIPTION	SIGN

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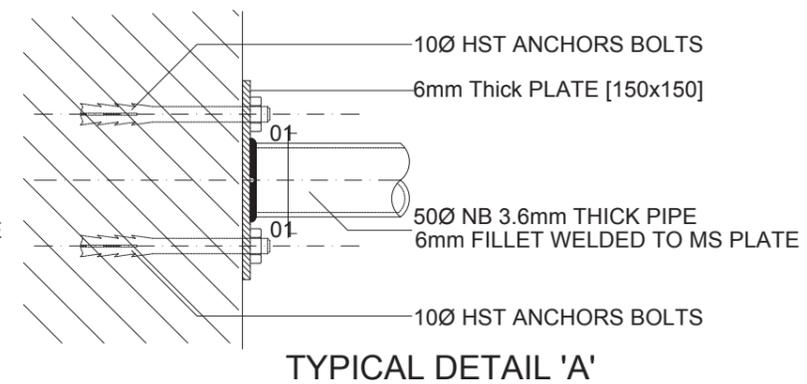
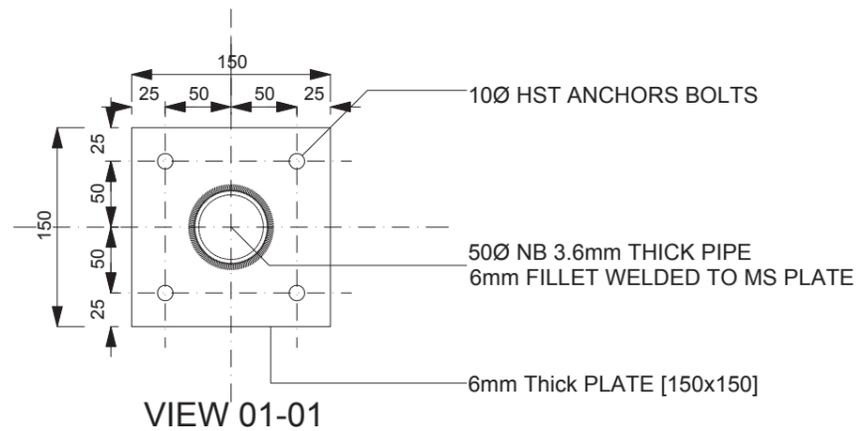
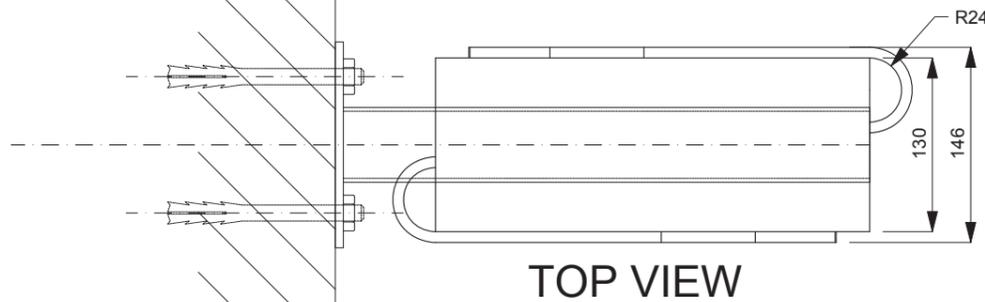
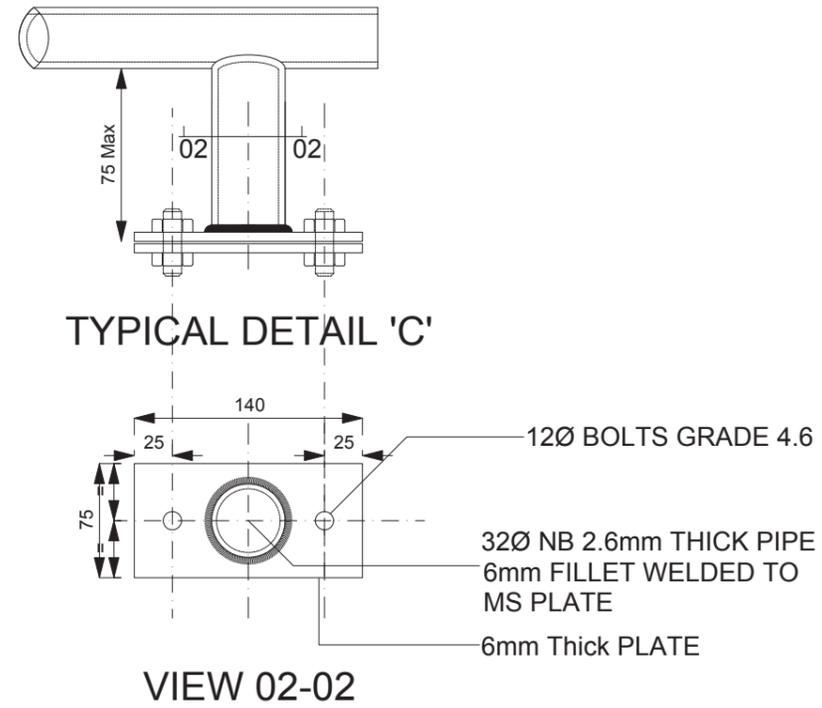
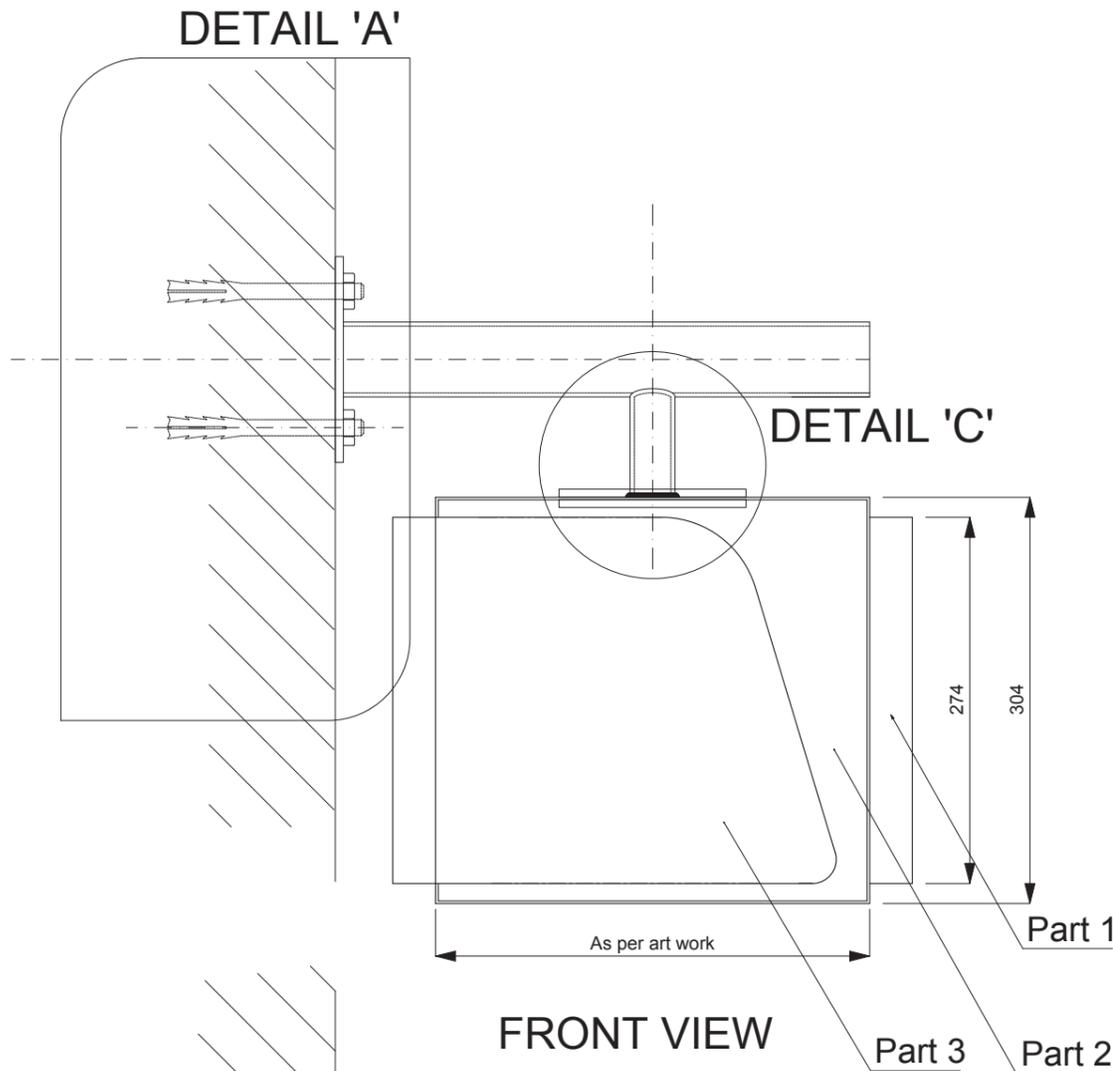
APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT	
	KOCHI METRO RAIL LIMITED	
	SIGN NAME: Direction Sign, Projected double sided	
DY CE	STATUS: TENDER (TEKM /TENDER)	
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.5P-01
	DATE: 30.12.15	DRAWN BY: Dinesh
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet



SIGNAGE&GRAPHICS

MATERIAL NOTES :

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 - 15mm thick 130mmwide aluminium extrusion.
 - Powder coated in RAL classic 7016 .
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 - 8mm thick clear acrylic over which plotter cut vinyl is pasted .
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APPROVAL BY: **KOCHI METRO RAIL PROJECT**
 KMRL

KOCHI METRO RAIL LIMITED

SIGN NAME: Direction Sign, Projected double sided

DY CE STATUS: TENDER (TEKM /TENDER)

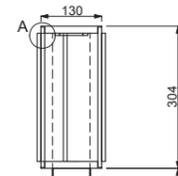
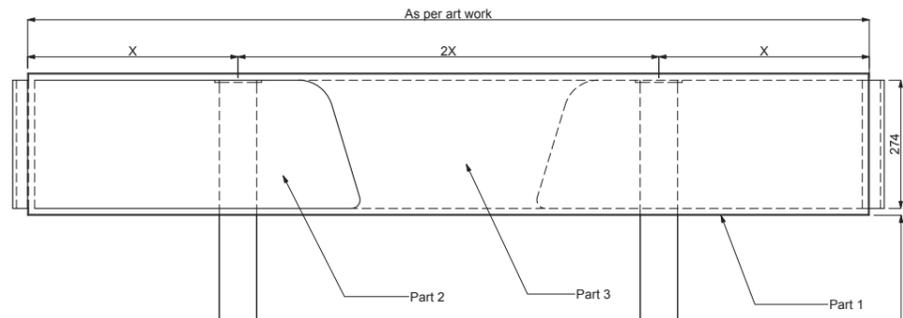
SCALE: STF DRG.NO: TEKM-T3M3-301.1.6P -1

DATE: 30.12.15 DRAWN BY: Dinesh

CE (D&C) REV.NO. 1 CHECKED BY: Puneet



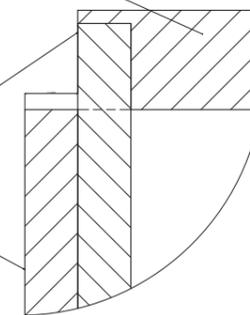
SIGNAGE & GRAPHICS



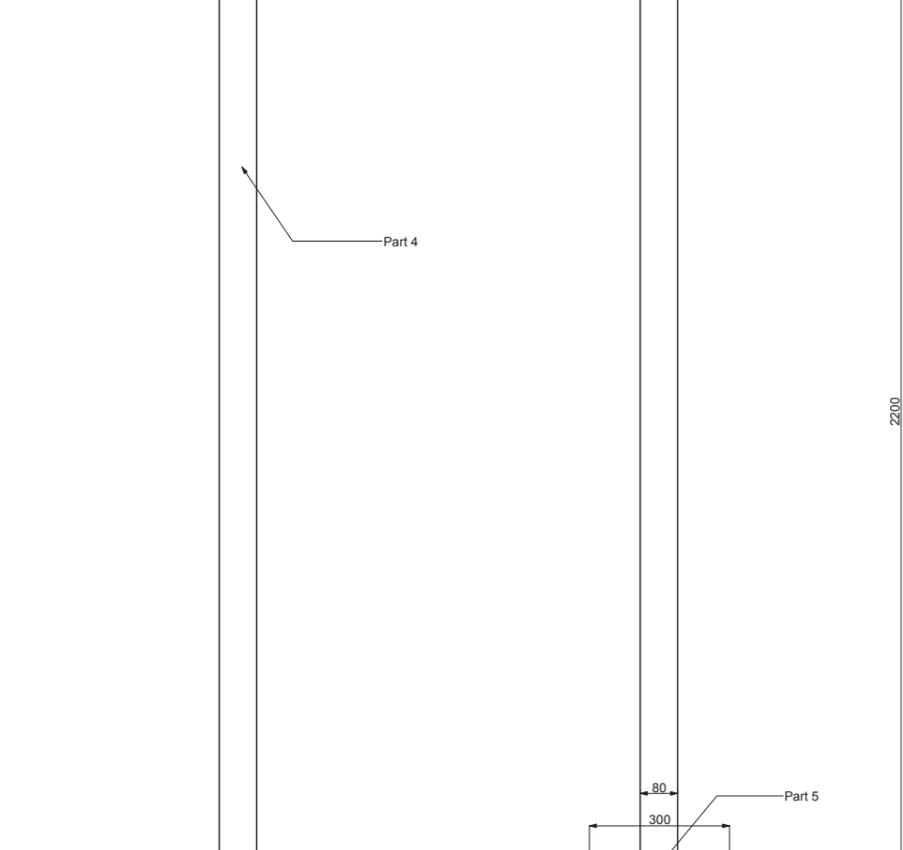
15mm Aluminium extrusion frame

8mm acrylic pasted with adhesive and flushed to aluminium frame

8mm acrylic pasted to 4mm acrylic



Detail A

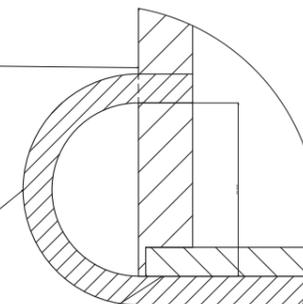


Side View

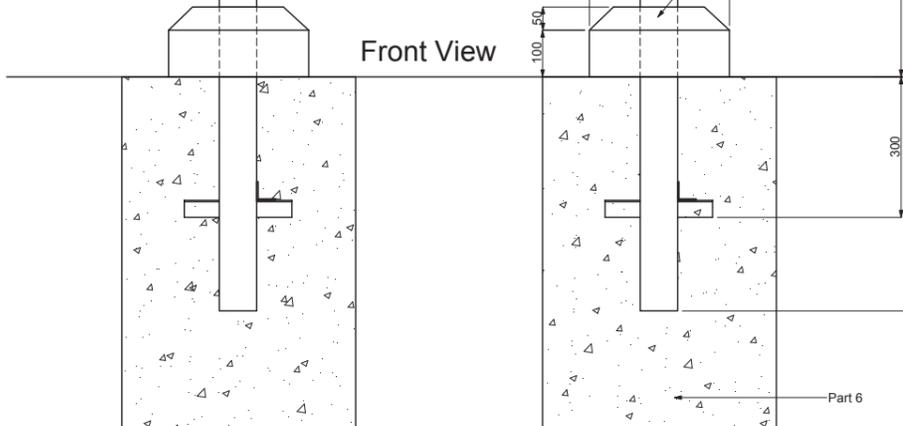
15mm Aluminium extrusion frame slotted to insert acrylic

8mm acrylic bent and inserted into frame

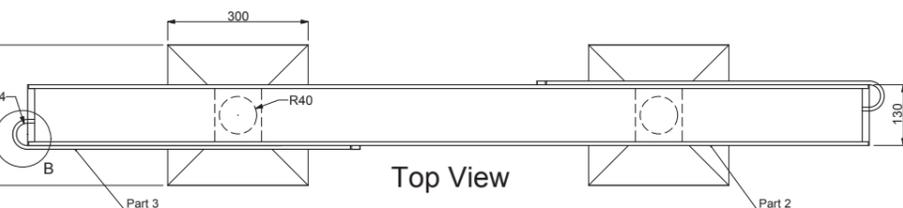
8mm acrylic pasted with adhesive and flushed to aluminium frame



Detail B



Front View



Top View

MATERIAL NOTES :

- Part 1: - Sign Box .
- 15mm thick 130mmwide aluminium extrusion.

- Powder coated in RAL classic 7016 .
- Part 2: - Sign Panel.
- 8mm thick clear acrylic over which plotter cut vinyl is pasted
- Part 3: - Sign Panel.
- 8mm thick clear acrylic turned to radius over which plotter cut vinyl is pasted.
- Part 4 : - Post
- 80mm dia MS circular Hollow Section
- PU Painted color Grey G#
- Fixed With Foundation
- Part 5 : -Pedestal.
-300x300x150mm Sadarahalli stone.
-3 Line Finish
- PPC Poured to fix.
- Part 6 : -Foundation
-PPC Foundation as per structural design.

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REV NO	DATE	DESCRIPTION	SIGN

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BANGALORE-560048



APPROVAL BY KMRL **KOCHI METRO RAIL PROJECT**

KOCHI METRO RAIL LIMITED

SIGN NAME: Post Mounted, Non illuminated

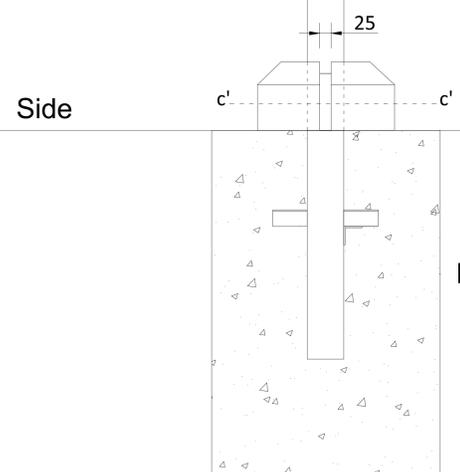
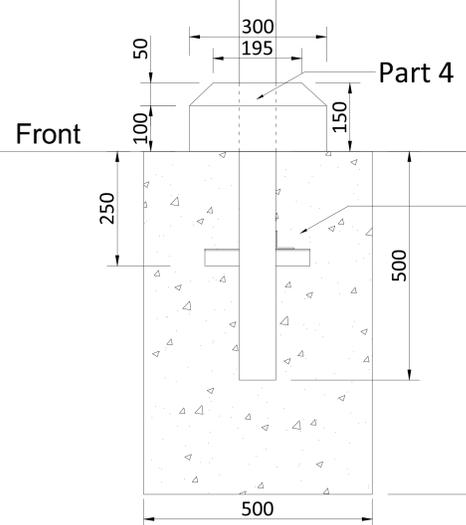
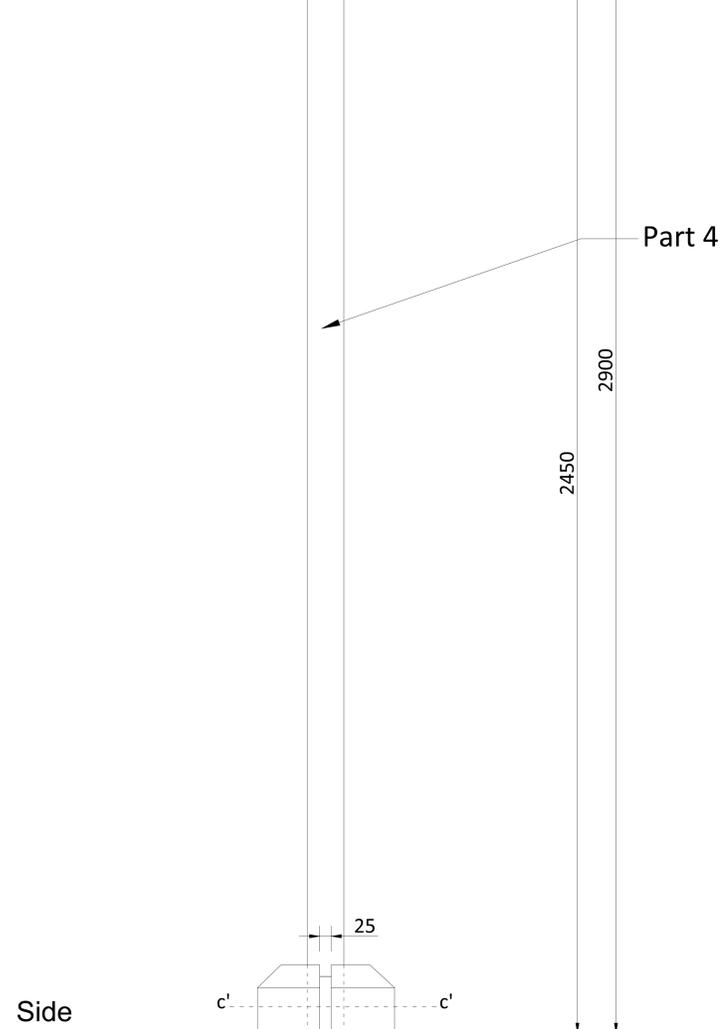
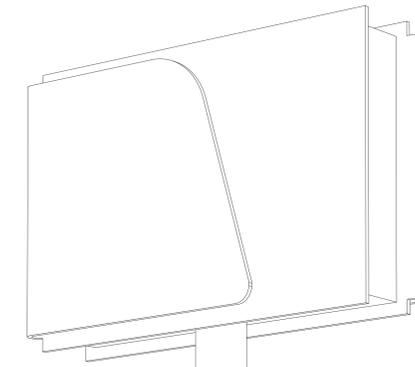
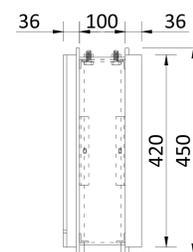
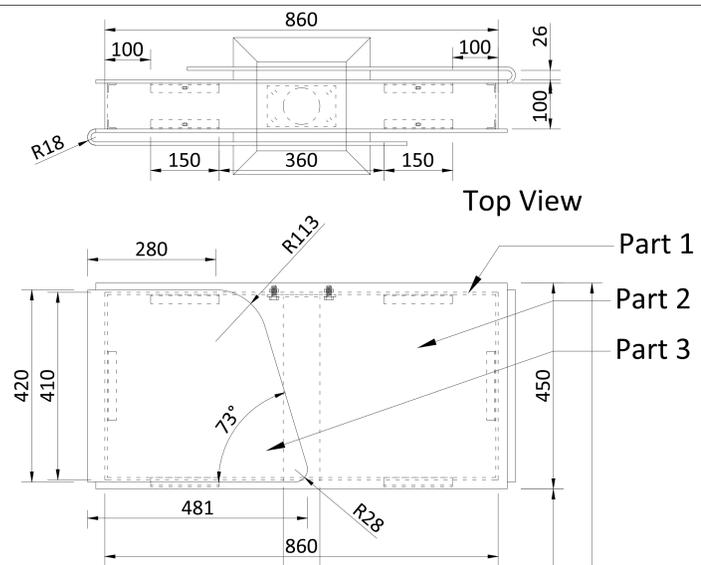
DY CE STATUS: TENDER (TEKM /TENDER)

SCALE: STF DRG.NO: TEKM-T3M3-301.1.7P-01

DATE: 30.12.15 DRAWN BY: Dinesh

CE (D&C) REV.NO. 1 CHECKED BY: Puneet





MATERIAL NOTES :

Part 1: Sign panel, 5mm thick aluminum sheet power coated color RAL classic 7016.

Part 2: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

Part 3: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

Part 4: - Post 80mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .

GENERAL NOTES:

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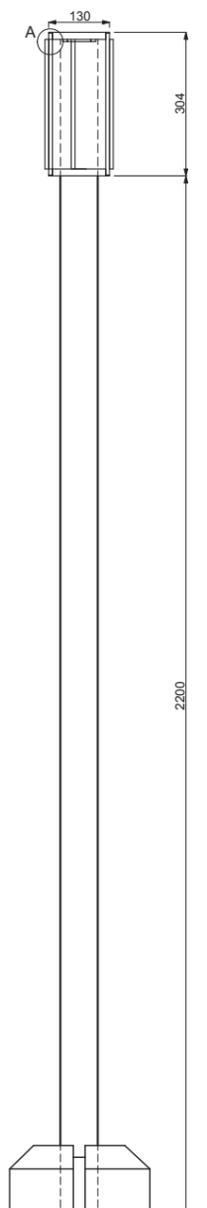
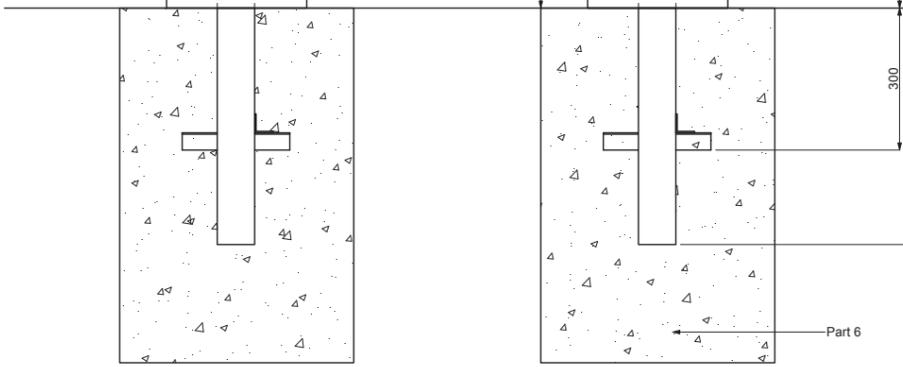
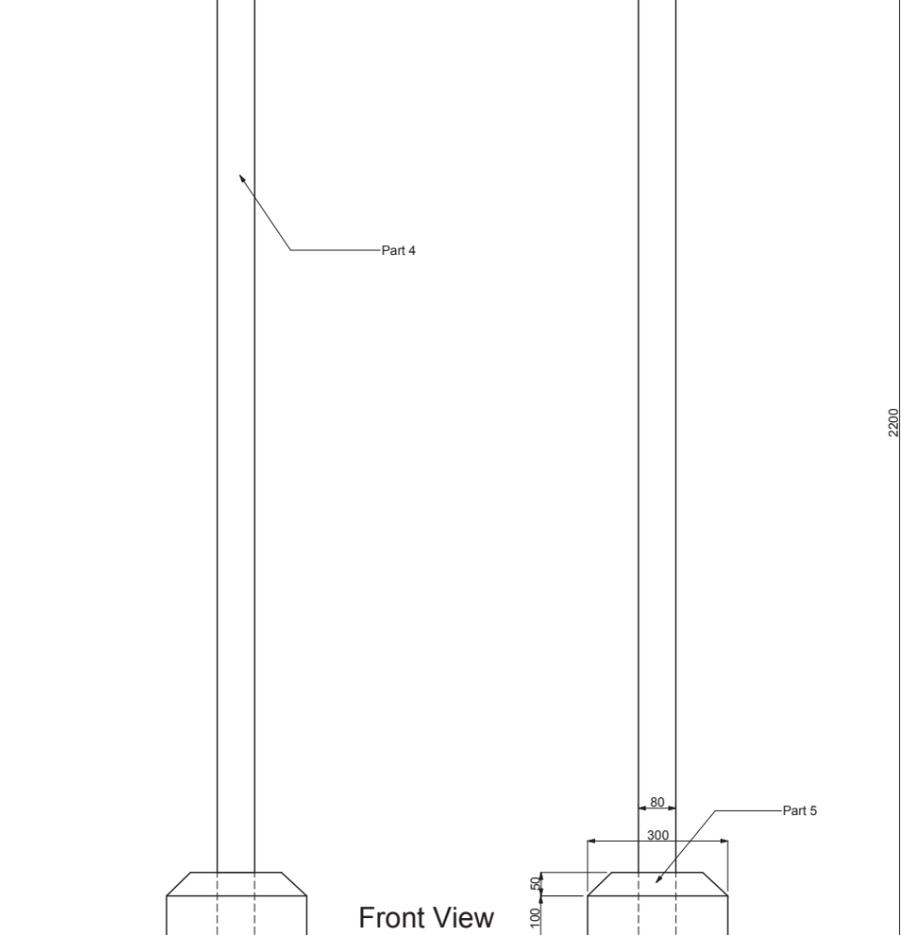
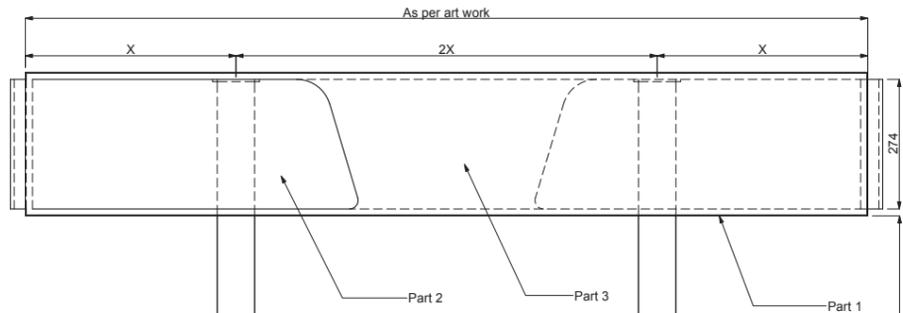
OFFICE OF ORIGIN
TATA ELXSI LIMITED
ITPB ROAD WHITEFIELD,
BANGALORE-560048



APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT			SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED			
	SIGN NAME: DIRECTION VICINITY SIGN , POST MOUNTED			
DY CE	STATUS:	TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.8P -1		
	DATE: 30.12.15	DRAWN BY: Deepak		
CE (D&C)	REV.NO. A	CHECKED BY: PBS		



* for foundation details refer to structural dwg

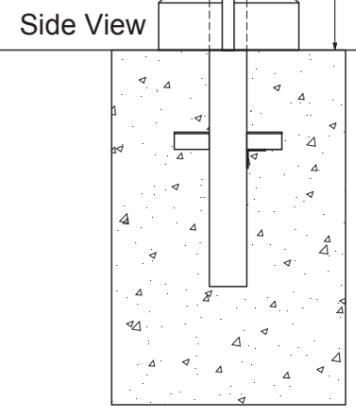


15mm Aluminium extrusion frame

8mm acrylic pasted with adhesive and flushed to aluminium frame

8mm acrylic pasted to 4mm acrylic

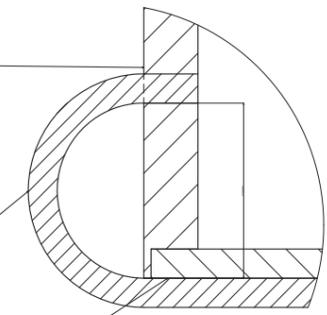
Detail A



15mm Aluminium extrusion frame slotted to insert acrylic

8mm acrylic bent and inserted into frame

8mm acrylic pasted with adhesive and flushed to aluminium frame



Detail B

- MATERIAL NOTES :**
- Part 1: - Sign Box .
- 15mm thick 130mmwide aluminium extrusion.
- Powder coated in RAL classic 7016 .
 - Part 2: - Sign Panel.
- 8mm thick clear acrylic over which plotter cut vinyl is pasted .
 - Part 3: - Sign Panel.
- 8mm thick clear acrylic turned to radius over which plotter cut vinyl is pasted.
 - Part 4 : - Post
- 80mm dia MS circular Hollow Section
- PU Painted color Grey G#
- Fixed With Foundation
 - Part 5 : -Pedestal.
-300x300x150mm Sadarahalli stone.
-3 Line Finish
- PPC Poured to fix.
 - Part 6 : -Foundation
-PPC Foundation as per structural design.

GENERAL NOTES:

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REV NO	DATE	DESCRIPTION	SIGN

SIGNAGE AND GRAPHICS DESIGN CONSULTANT

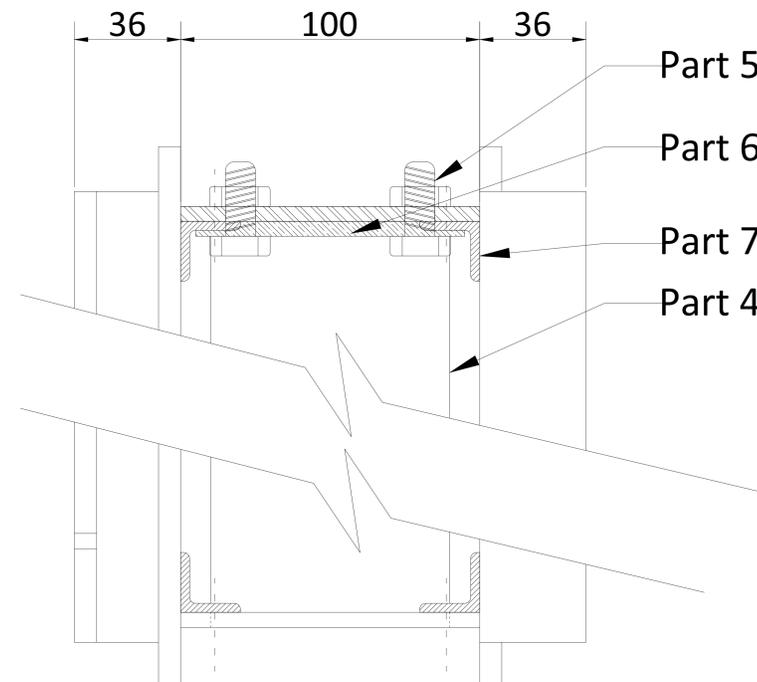
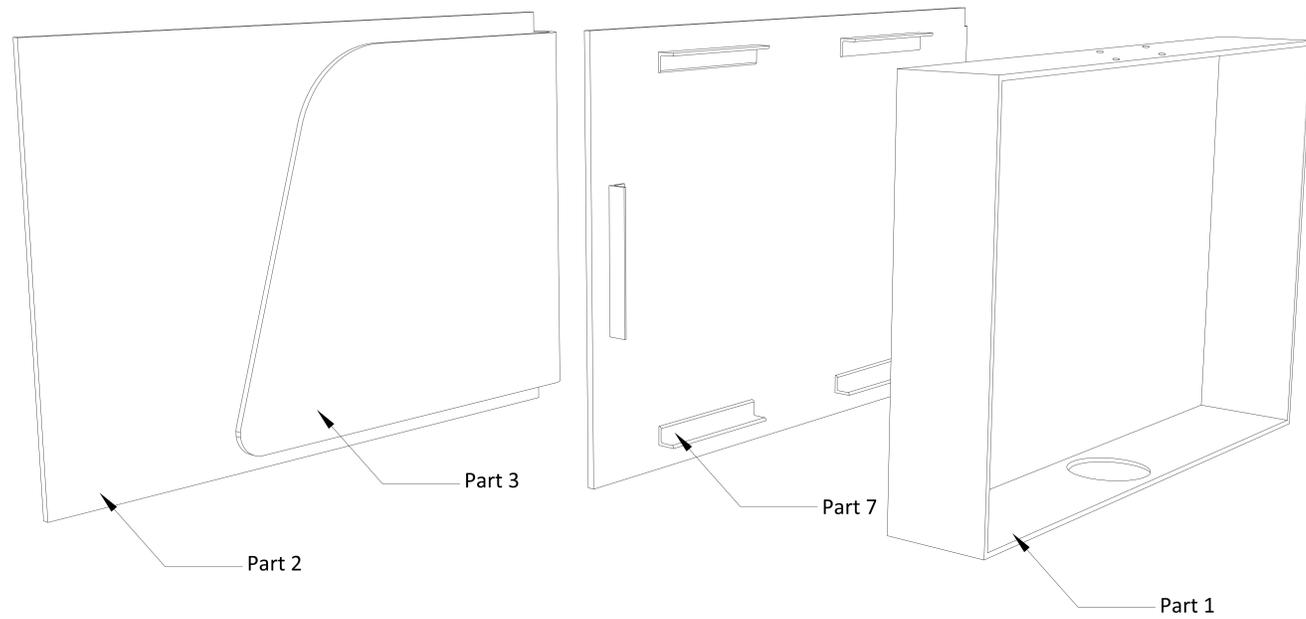
The responsibility of overall correctness of design and drawings rests with the SGDC. Forwarded for approval and issue of good for construction drawings.

(Name and Designation)
Authorised Signatory for SGDC.

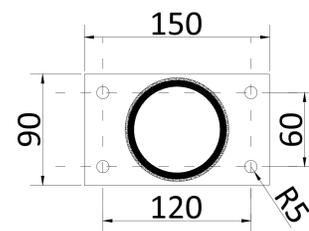
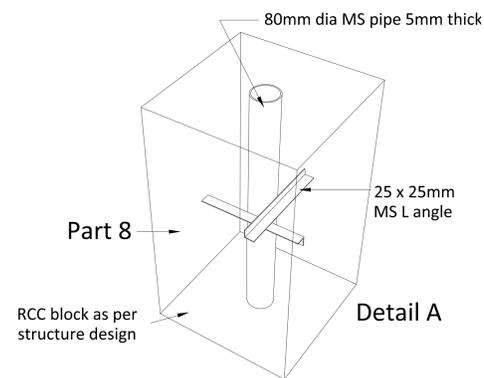
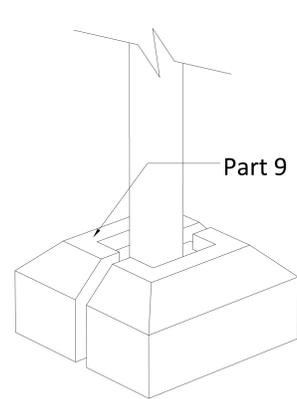
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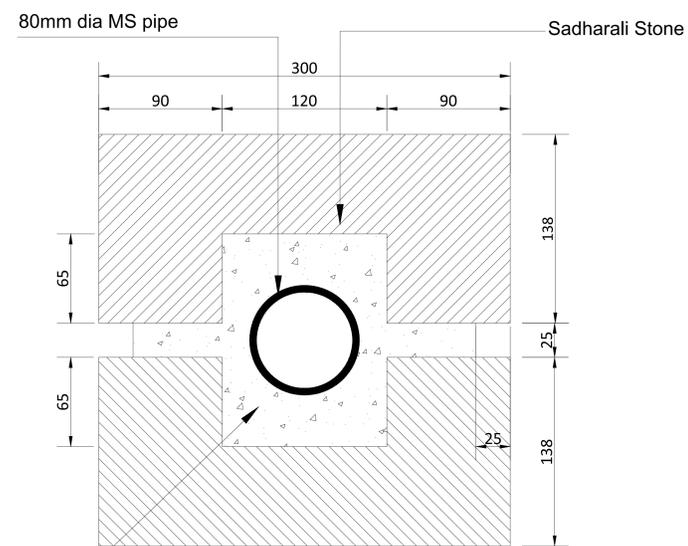
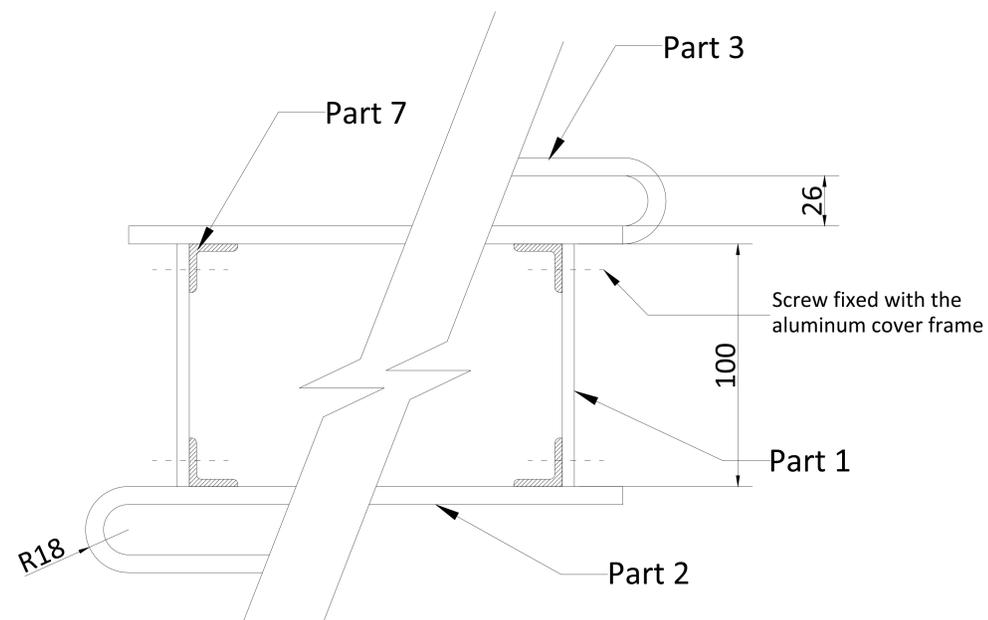
APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
DY CE	SIGN NAME: Post Mounted, Non illuminated		
	STATUS: TENDER (TEKM/TENDER)		
	SCALE: STF	DRG.NO: TEKM-T3M3-301.1.9 P-01	
	DATE: 30.12.15	DRAWN BY: Dinesh	
CE (D&C)	REV.NO. 1	CHECKED BY: Puneet	



Exploded View



Post mounting plate on box frame



Section cc'

MATERIAL NOTES :

- Part 1:** Sign panel, 5mm thick aluminum sheet power coated color RAL classic 7016.
- Part 2:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .
- Part 3:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .
- Part 4:** - Post 80mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .
- Part 5:** M10 bolt for mounting box frame
- Part 6:** 150mm X 90mm X 5mm MS plate welded to 80mm MS circular Hollow section PU Painted color RAL classic 7016.
- Part 7:** 20X20X3mm thick equal L angle aluminum extrusion welded to sign panel powder coated color pantone 2768 C .
- Part 8:** Foundation PPC Foundation as per structural design
- Part 9:** Pedestal 300X300X150mm Sadarahalli stone . 3 Line Finish . PPC Poured to Fix .

GENERAL NOTES:

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REV NO	DATE	DESCRIPTION	SIGN

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Authorised Signatory for SGDC.

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TATA ELXSI LIMITED
ITPB ROAD WHITEFIELD,
BANGALORE-560048



APPROVAL BY
KMRL **KOCHI METRO RAIL PROJECT**

KOCHI METRO RAIL LIMITED
SIGN NAME: DIRECTION VICINITY SIGN , POST MOUNTED

DY CE STATUS: TENDER (TEKM /TENDER

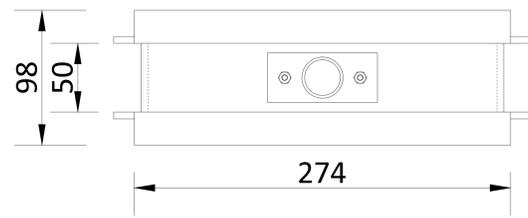
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DATE: 30.12.15 DRAWN BY: Deepak

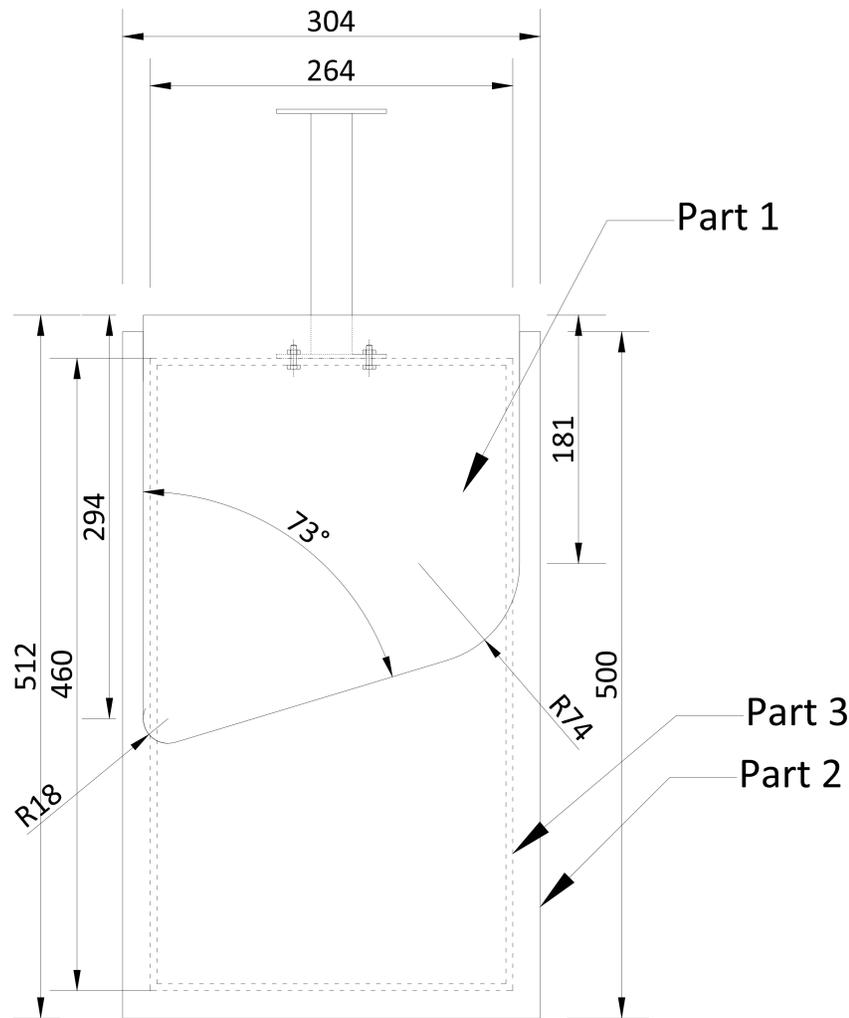
CE (D&C) REV.NO. A CHECKED BY: PBS



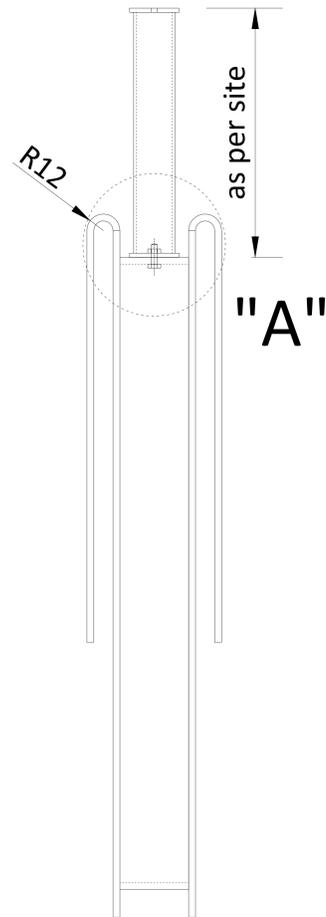
SIGNAGE&GRAPHICS



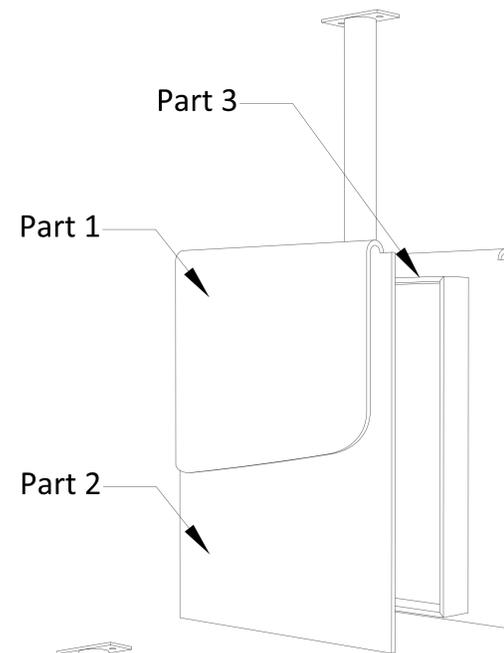
Top View



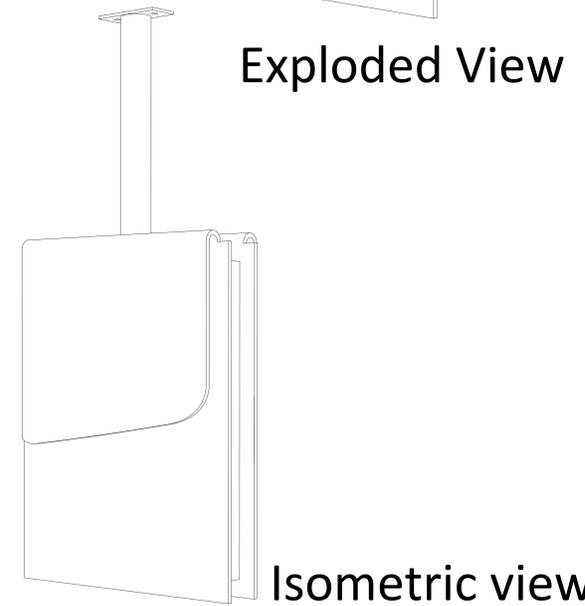
Front View



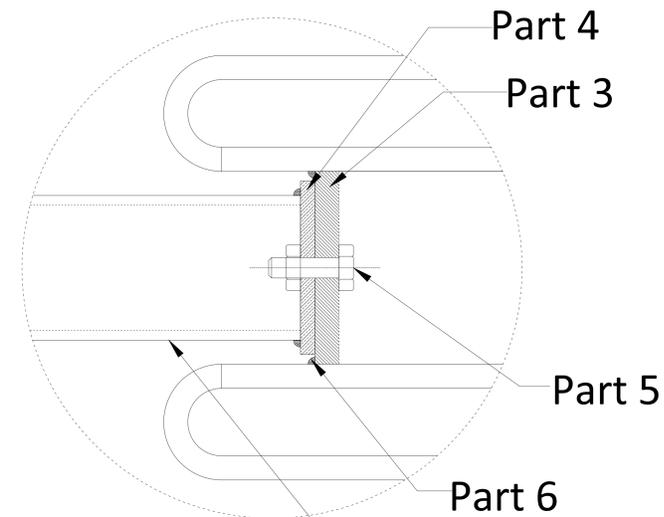
Side View



Exploded View



Isometric view



DETAIL "A"

MATERIAL NOTES :

- Part 1:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .
- Part 2:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .
- Part 3:** 50mm depth 3mm thick aluminum sheet welded to Part 1 cleat powder coated color RAL classic 7016.
- Part 4:** 46 X 80 X 3mm thick MS plate bolted to Part 2
- Part 5:** M 15 Chrome bolt
- Part 6:** Part 2 and Part 3 Aluminum welding
- Part 7:** 40 mm Dia 2mm thick MS Pipe welded to 46 X 80 X 3mm thick MS plate cleat powder coated color RAL classic 7016.

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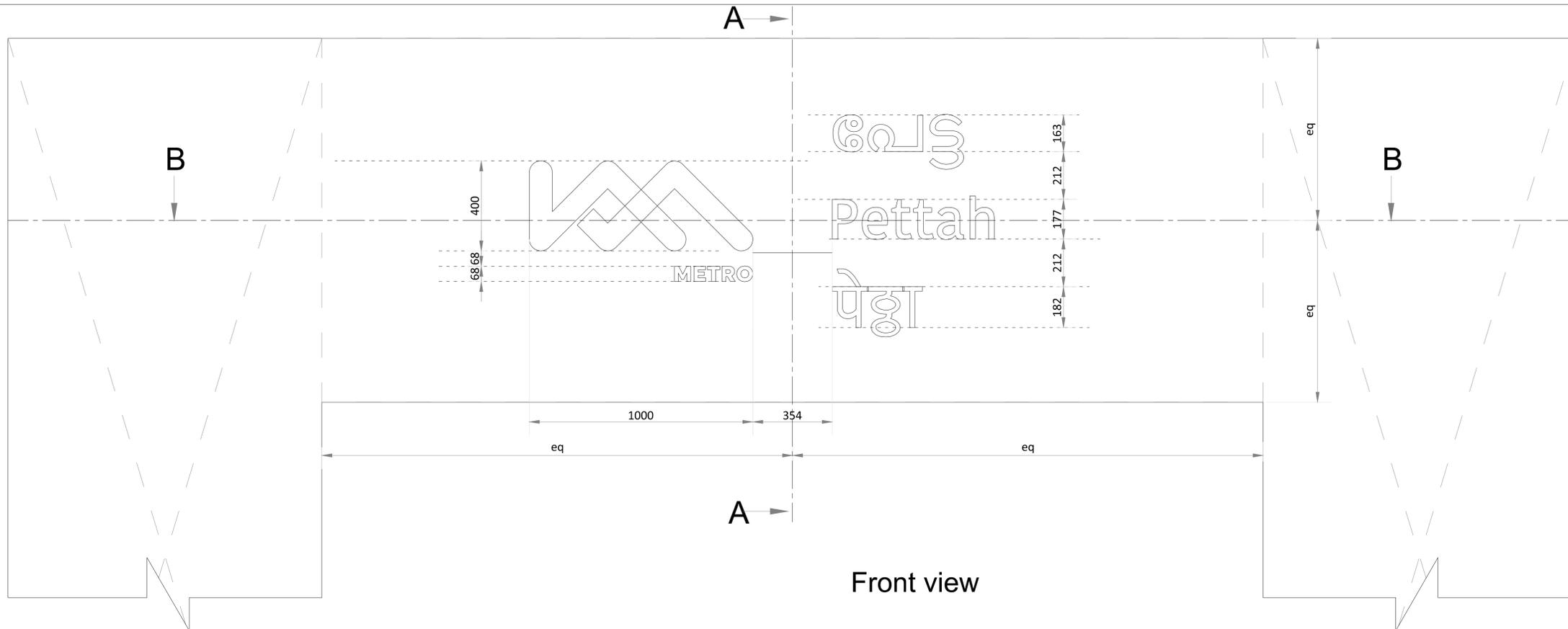
REV NO	DATE	DESCRIPTION	SIGN

SIGNAGE AND GRAPHICS DESIGN CONSULTANT

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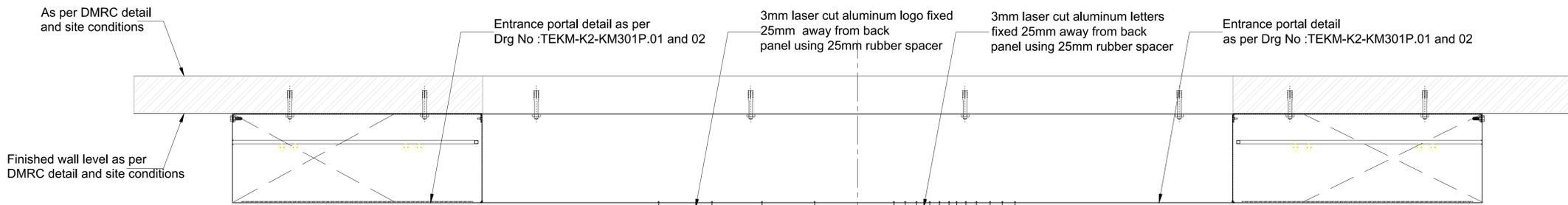
OFFICE OF ORIGIN TATA ELXSI LIMITED ITPB ROAD WHITEFIELD, BANGALORE-560048	(Name and Designation) Authorised Signatory for SGDC. 
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APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: LOCATION SIGN , SUSPENDED		
DY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEKM-T3M3-302.1.1P-01	
	DATE: 30.12.15	DRAWN BY: Deepak	
CE (D&C)	REV.NO. A	CHECKED BY: PBS	



Front view

MATERIAL NOTES :



Section-BB'

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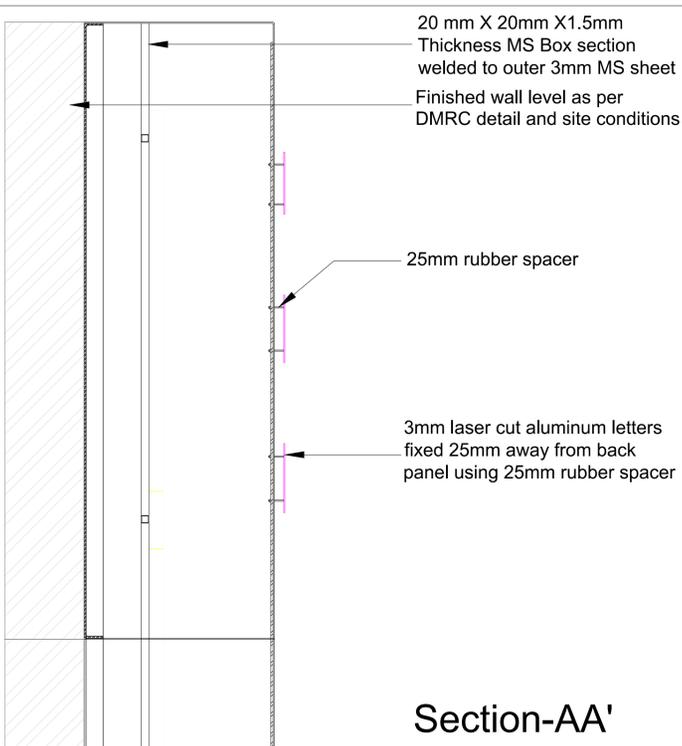
REV NO	DATE	DESCRIPTION	SIGN

SIGNAGE AND GRAPHICS DESIGN CONSULTANT

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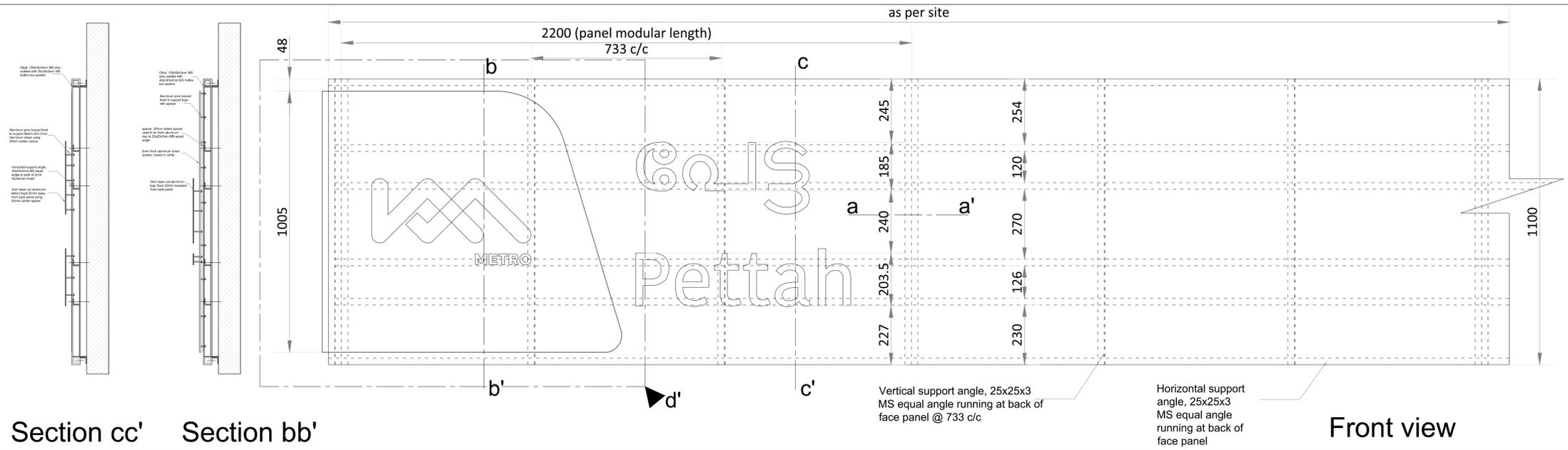
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Section-AA'

APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
DY CE	KOCHI METRO RAIL LIMITED		
	SIGN NAME: STATION ENTRANCE NAME SIGN (ON PORTAL)		
CE (D&C)	STATUS:	TENDER (TEKM /TENDER)	
	SCALE: STF	DRG.NO: TEKM-T3M3-302.2 P -1	
	DATE: 29.12.15	DRAWN BY: Janaki	
	REV.NO. A	CHECKED BY: PBS	

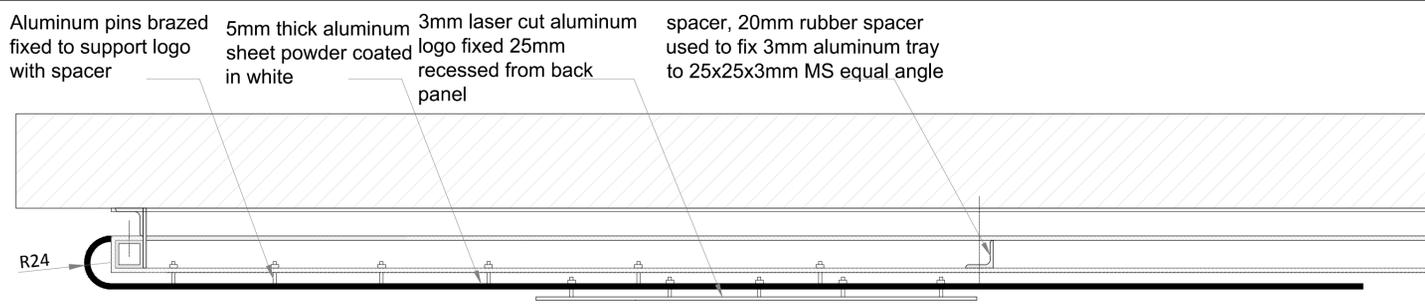


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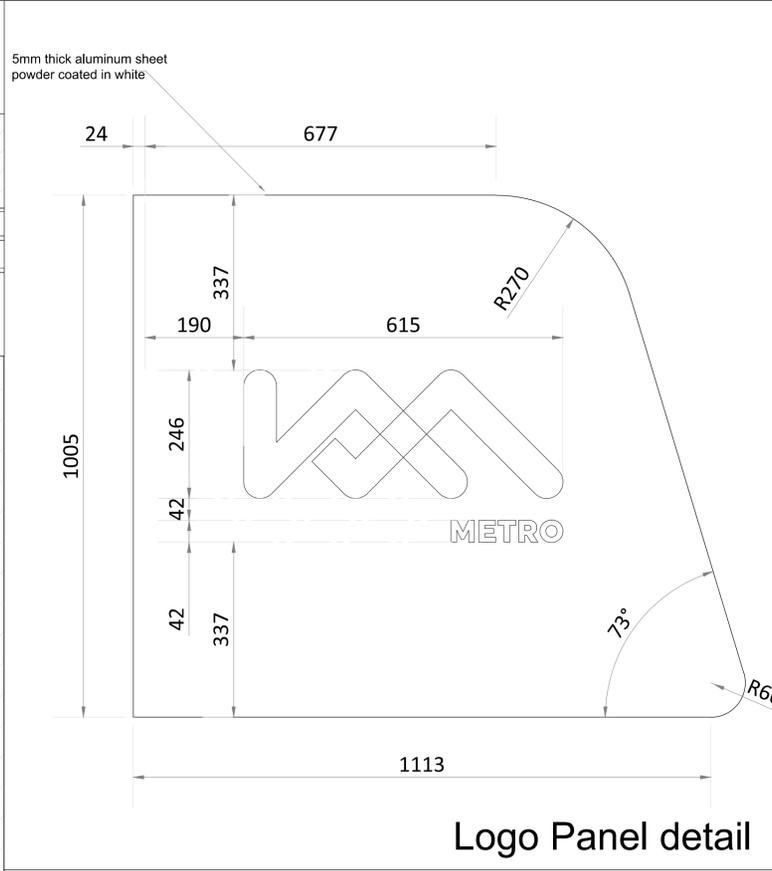
GENERAL NOTES:

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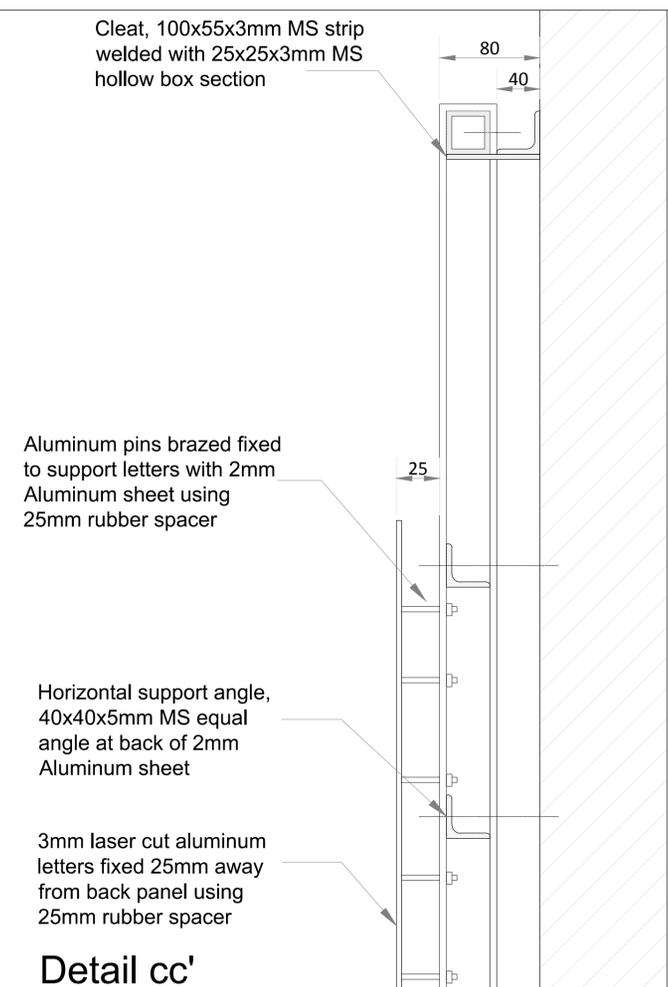
Section cc' Section bb'



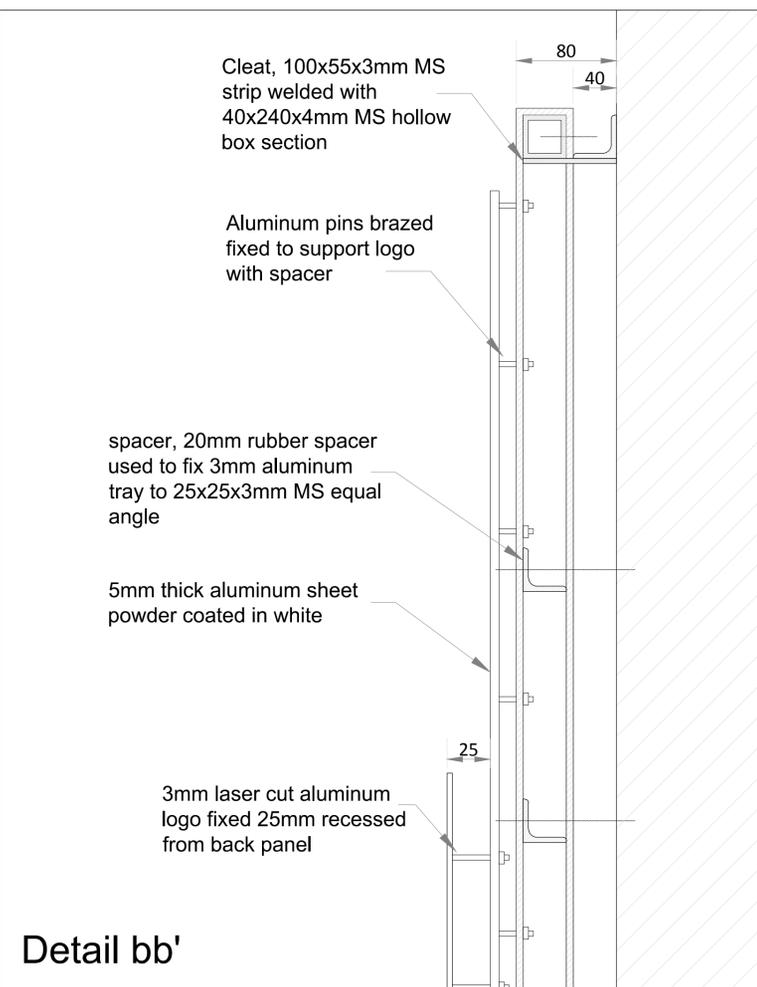
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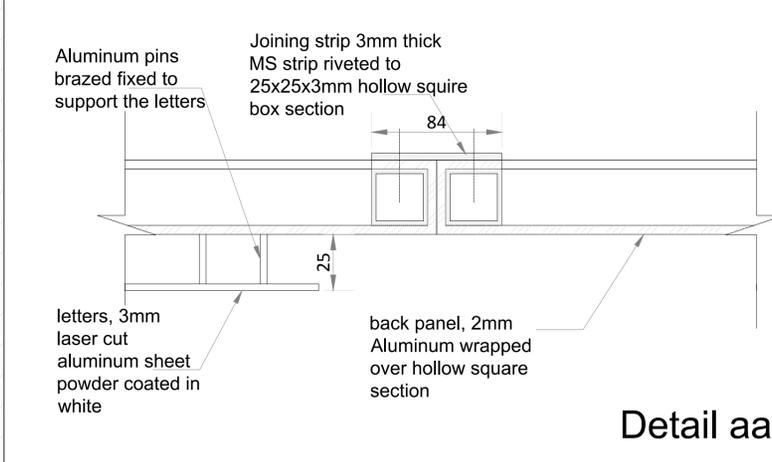
Logo Panel detail



Detail cc'



Detail bb'



Detail aa'

REV NO	DATE	DESCRIPTION	SIGN

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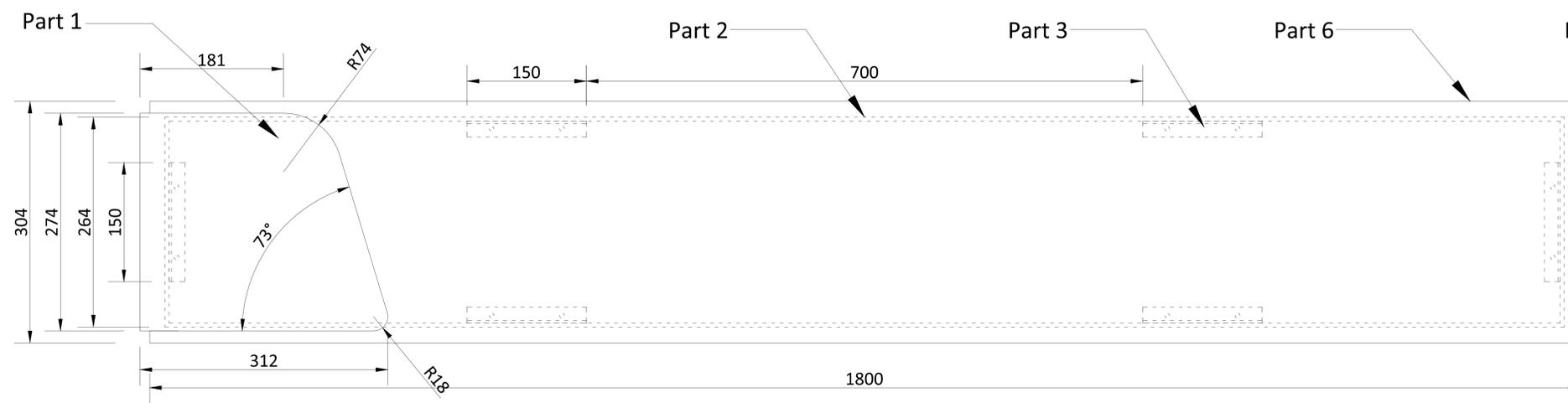
APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT	
	KOCHI METRO RAIL LIMITED	
DY CE	SIGN NAME: OVERHEAD STATION NAME SIGN (ON BUILDING)	
	STATUS: TENDER (TEKM /TENDER)	
CE (D&C)	SCALE: STF	DRG.NO: TEK-M-T3M3-302.3 P -1
	DATE: 29.12.15	DRAWN BY: Janaki
	REV.NO. A	CHECKED BY: PBS

SIGNAGE&GRAPHICS





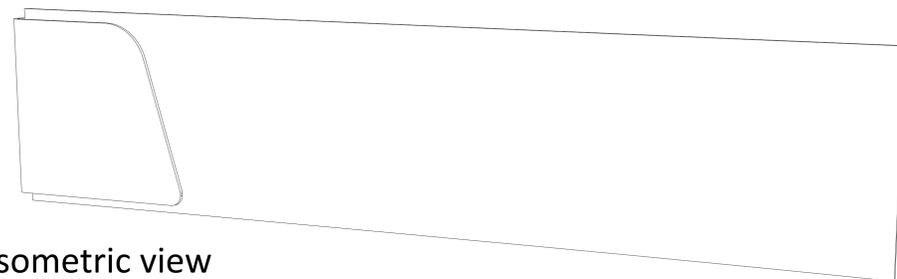
Top View



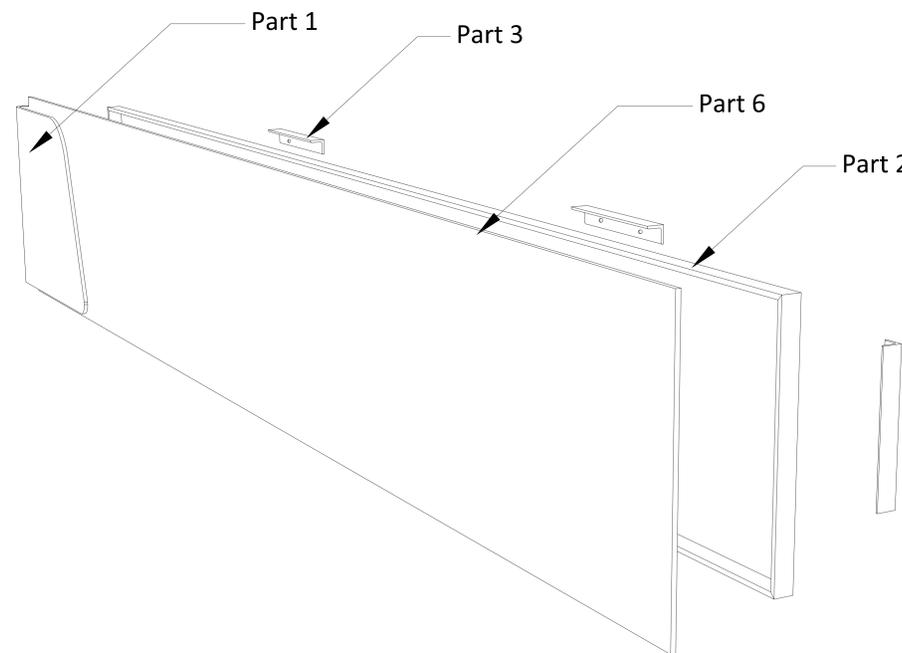
Front View



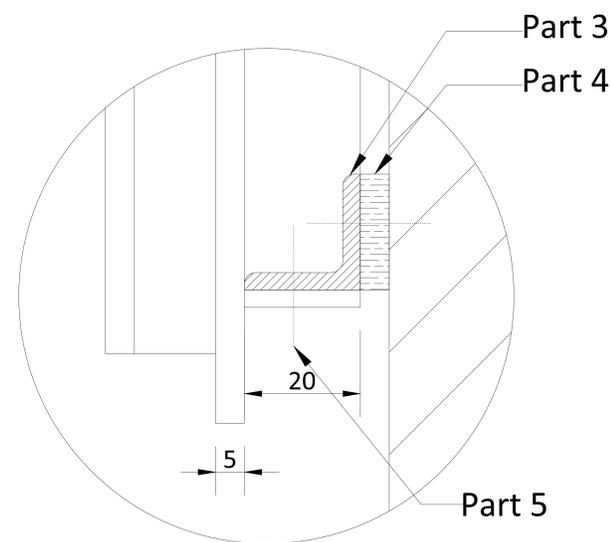
Side View



Isometric view



Exploded View



DETAIL "A"

MATERIAL NOTES :

- Part 1:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .
- Part 2:** 20mm depth 3mm thick aluminum sheet welded to Part 1 cleat powder coated color RAL classic 7016.
- Part 3:** 20X20X3mm thick equal L angle aluminum extrusion powder coated color RAL classic 7016.
- Part 4:** The frame could be mounted on the wall using a screw and rubber spacer.
- Part 5:** 3mm thick aluminum screw to equal L angle
- Part 6:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

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REV NO	DATE	DESCRIPTION	SIGN

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KMRL

KOCHI METRO RAIL PROJECT

KOCHI METRO RAIL LIMITED

SIGN NAME: LOCATION SIGN , FACE MOUNTED

DY CE

STATUS: TENDER (TEKM /TENDER

SCALE: STF DRG.NO: TEK-M-T3M3-302.1.3P-01

DATE: 30.12.15 DRAWN BY: Deepak

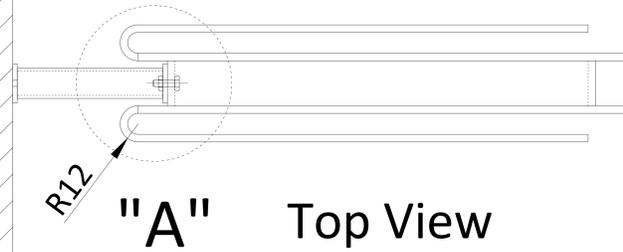
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REV.NO. A

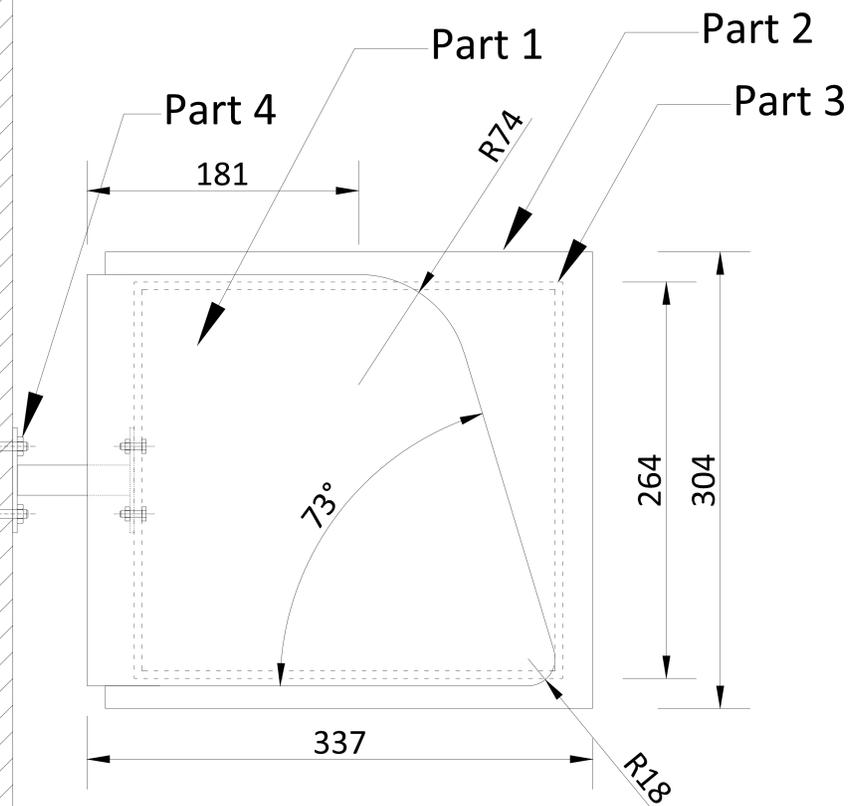
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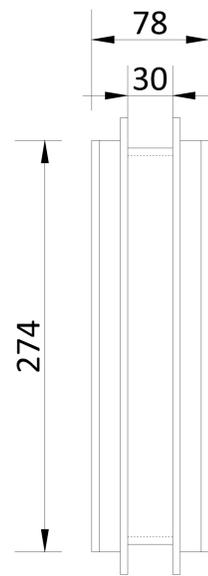
SIGNAGE&GRAPHICS



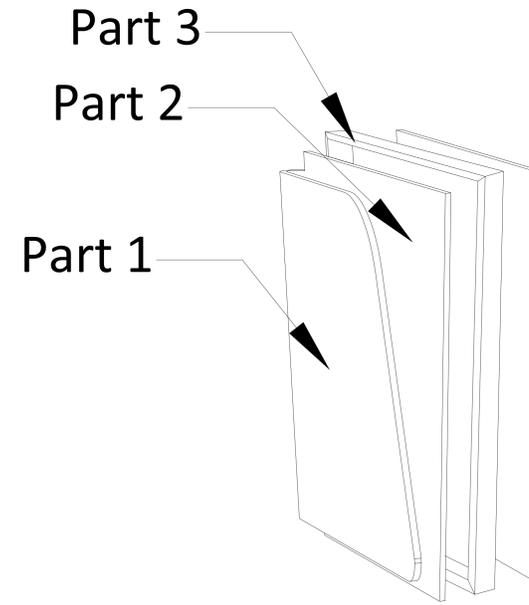
"A" Top View



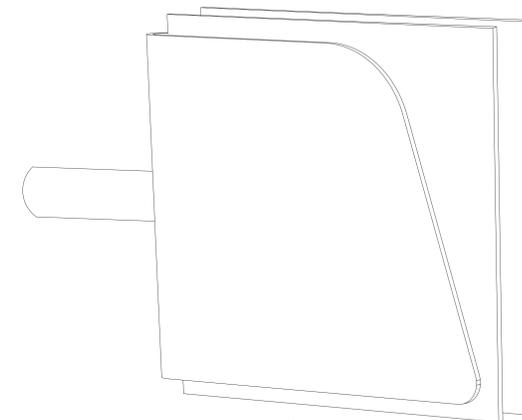
Front View



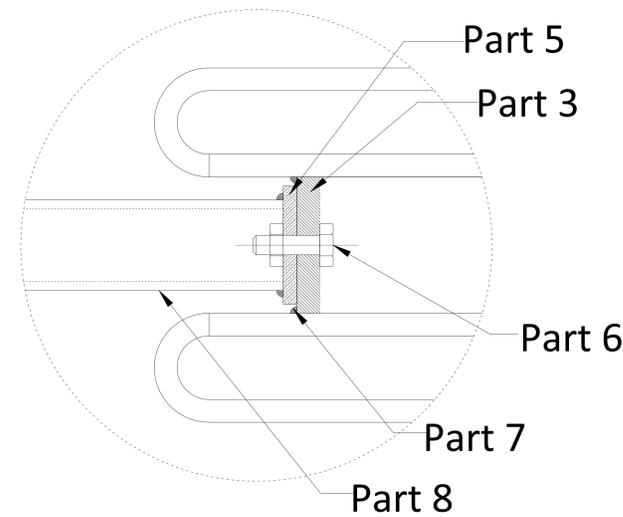
Side View



Exploded View



Isometric view



DETAIL "A"

MATERIAL NOTES :

- Part 1:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .
- Part 2:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .
- Part 3:** 30mm depth 3mm thick aluminum sheet welded to Part 1 cleat powder coated color RAL classic 7016.
- Part 4:** wedge anchor bolts to wall
- Part 5:** 26 X 70 X 3mm thick MS plate bolted to Part 2
- Part 6:** M 15 Chrome bolt
- Part 7:** Part 2 and Part 3 Aluminum welding
- Part 8:** 20 mm Dia 2mm thick MS Pipe welded to 26 X 70 X 3mm thick MS plate cleat powder coated color RAL classic 7016.

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REV NO	DATE	DESCRIPTION	SIGN

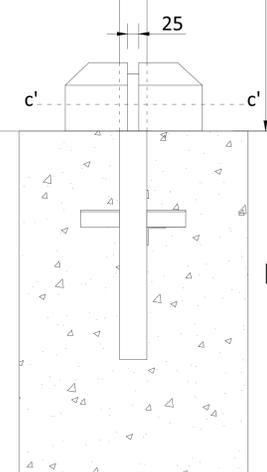
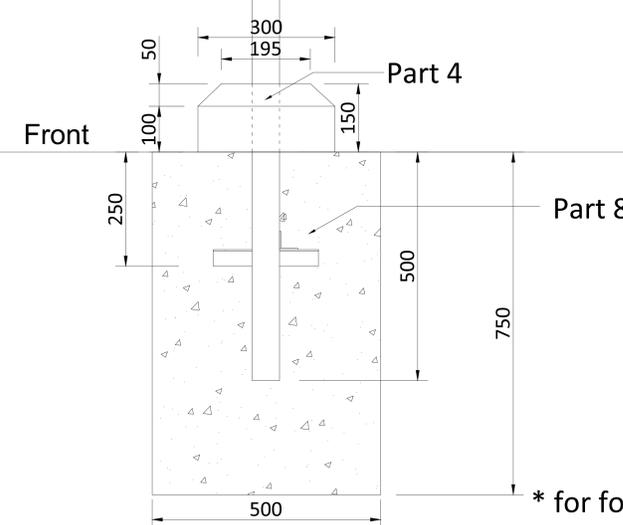
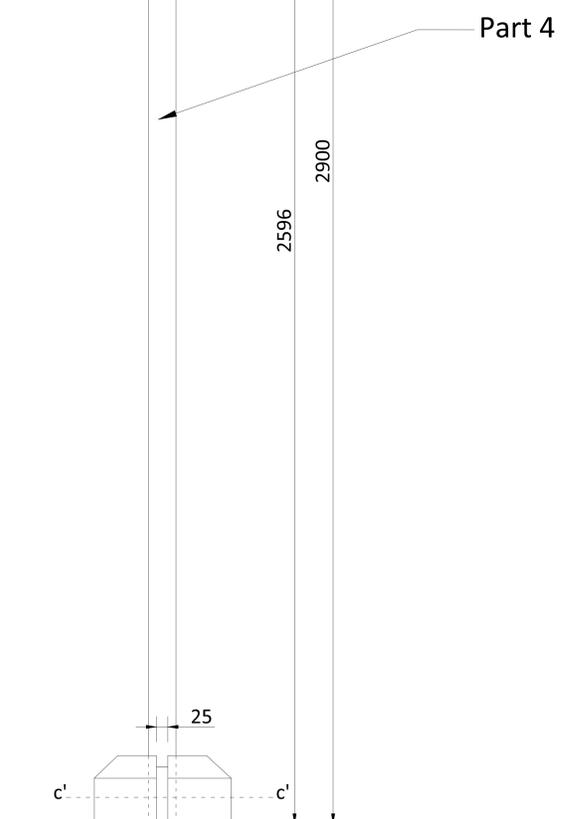
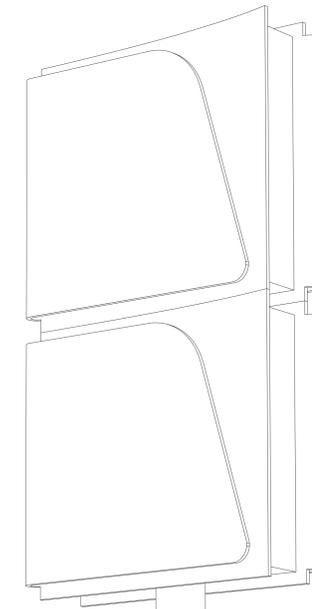
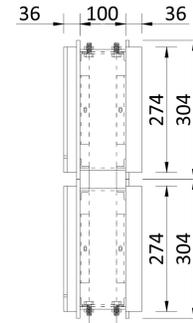
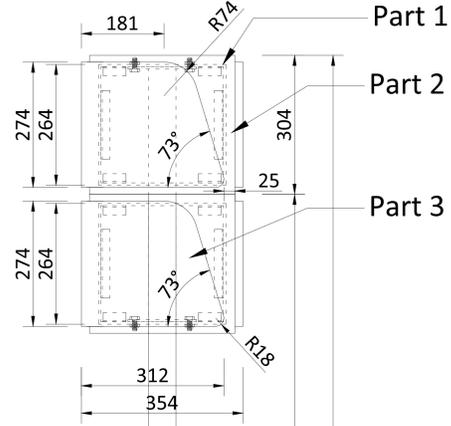
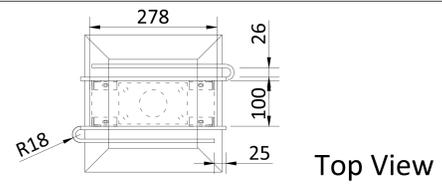
SIGNAGE AND GRAPHICS DESIGN CONSULTANT

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OFFICE OF ORIGIN TATA ELXSI LIMITED ITPB ROAD WHITEFIELD, BANGALORE-560048	

APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: LOCATION SIGN , PROJECTED		
DY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEK-M-T3M3-302.1.4P-01	
	DATE: 30.12.15	DRAWN BY: Deepak	
CE (D&C)	REV.NO. A	CHECKED BY: PBS	





MATERIAL NOTES :

Part 1: Sign panel, 5mm thick aluminum sheet power coated color RAL classic 7016.

Part 2: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

Part 3: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

Part 4: - Post 60mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .

GENERAL NOTES:

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REV NO	DATE	DESCRIPTION	SIGN

SIGNAGE AND GRAPHICS DESIGN CONSULTANT

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(Name and Designation)
Authorised Signatory for SGDC.

OFFICE OF ORIGIN
TATA ELXSI LIMITED
ITPB ROAD WHITEFIELD,
BANGALORE-560048



APPROVAL BY
KMRL **KOCHI METRO RAIL PROJECT**

KOCHI METRO RAIL LIMITED

SIGN NAME: LOCATION SIGN , POST MOUNTED

DY CE STATUS: TENDER (TEKM /TENDER

SCALE: STF DRG.NO: TEKM-T3M3-302.1.5P -1

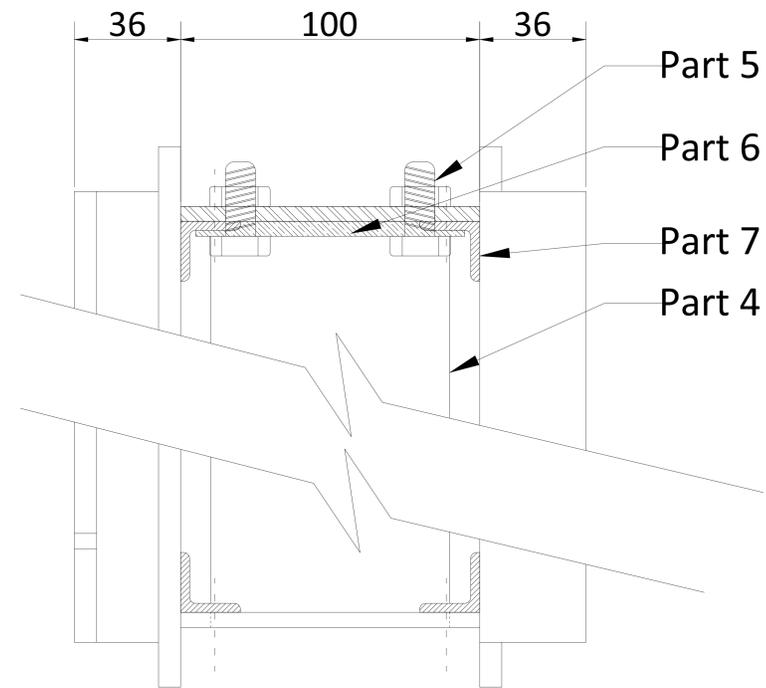
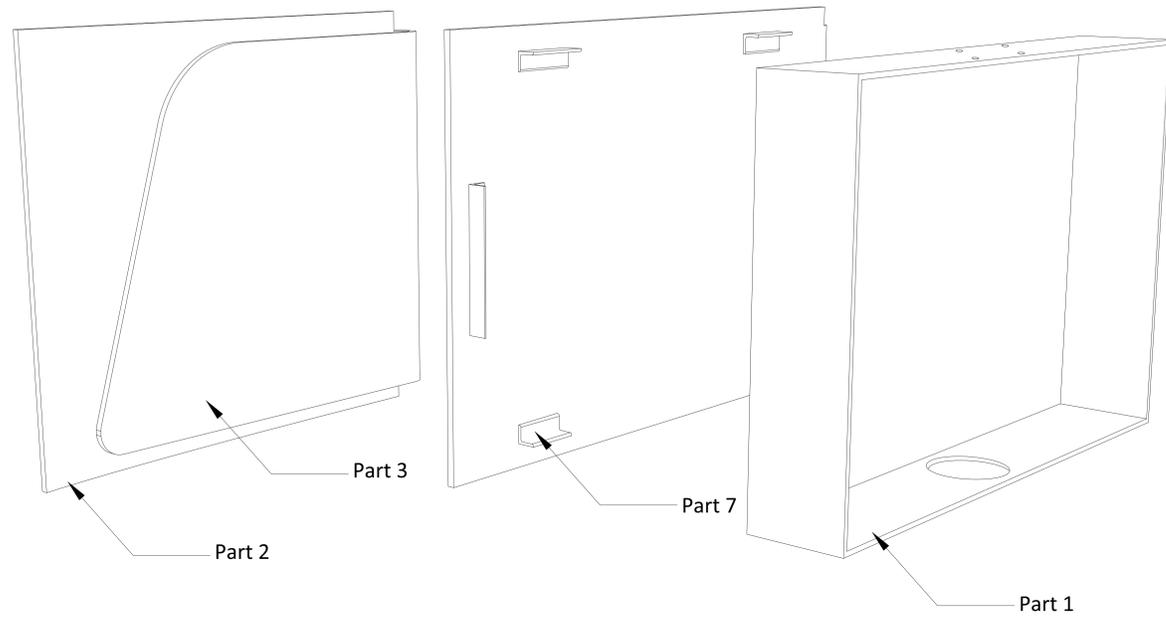
DATE: 30.12.15 DRAWN BY: Deepak

CE (D&C) REV.NO. A CHECKED BY: PBS

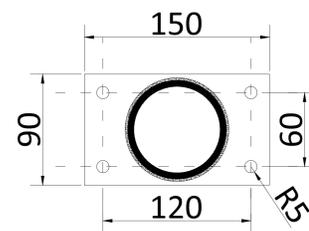
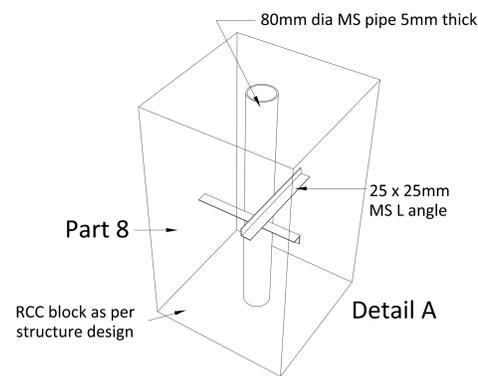
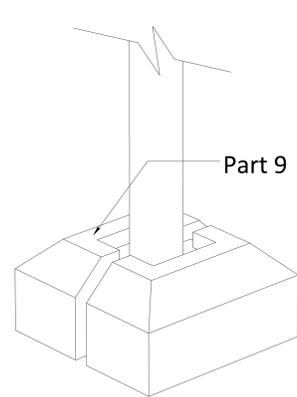


SIGNAGE&GRAPHICS

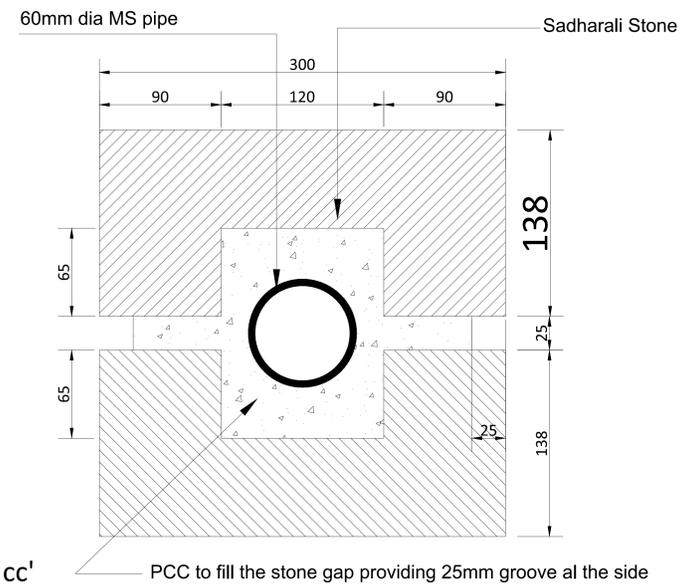
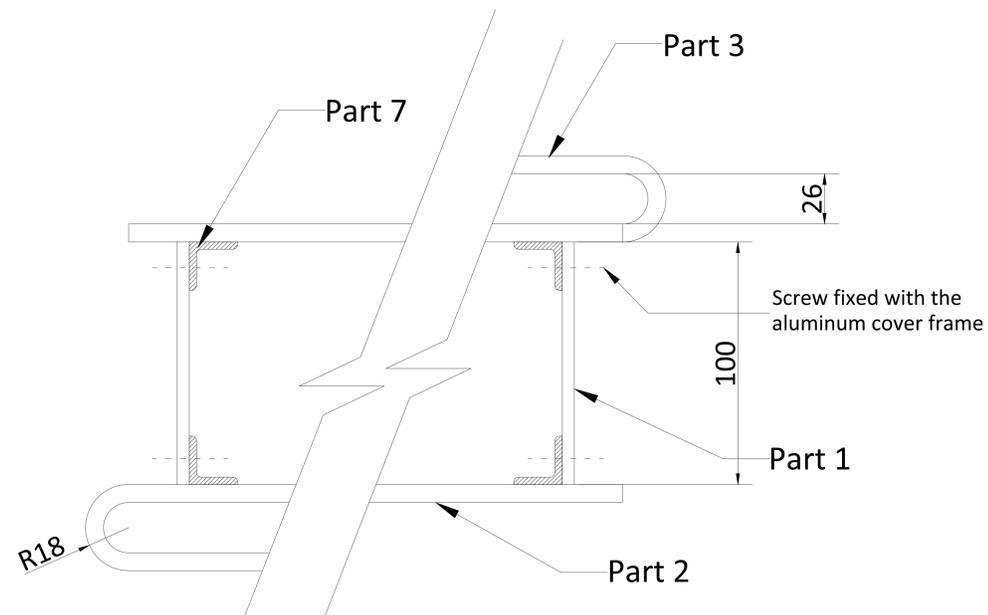
* for foundation details refer to structural dwg



Exploded View



Post mounting plate on box frame



MATERIAL NOTES :

Part 1: Sign panel, 5mm thick aluminum sheet power coated color RAL classic 7016.

Part 2: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

Part 3: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

Part 4: - Post 60mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .

Part 5: M10 bolt for mounting box frame

Part 6: 150mm X 90mm X 5mm MS plate welded to 60mm MS circular Hollow section PU Painted color RAL classic 7016.

Part 7: 20X20X3mm thick equal L angle aluminum extrusion welded to sign panel powder coated color pantone 2768 C .

Part 8: Foundation PPC Foundation as per structural design

Part 9: Pedestal 300X300X150mm Sadarahalli stone . 3 Line Finish . PPC Poured to Fix .

GENERAL NOTES:

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APPROVAL BY
KMRL KOCHI METRO RAIL PROJECT

KOCHI METRO RAIL LIMITED

SIGN NAME: LOCATION SIGN , POST MOUNTED

DY CE STATUS: TENDER (TEKM /TENDER

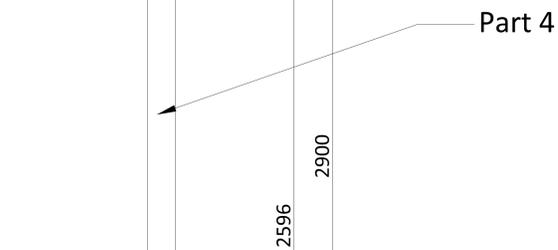
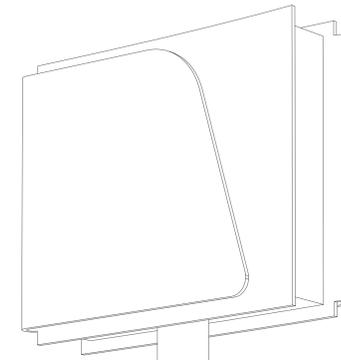
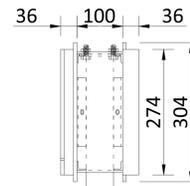
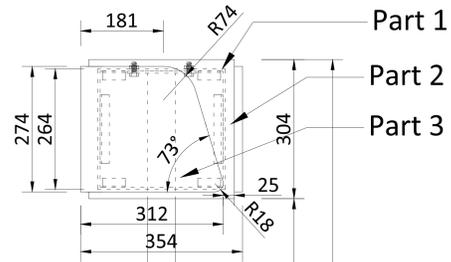
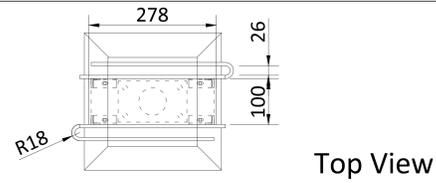
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DATE: 30.12.15 DRAWN BY: Deepak

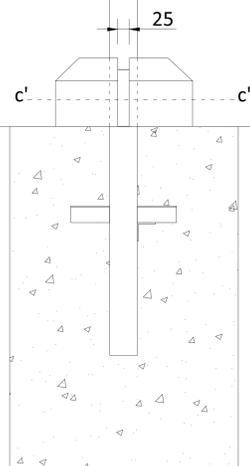
CE (D&C) REV.NO. A CHECKED BY: PBS



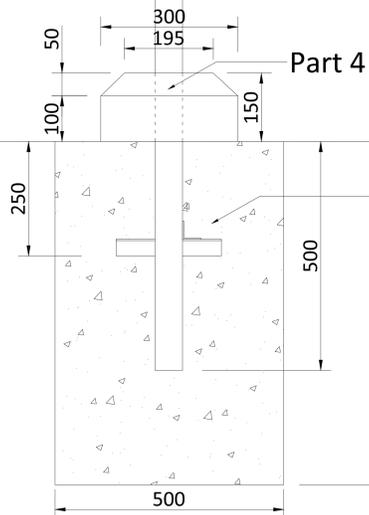
SIGNAGE&GRAPHICS



Side



Front



Isometric View

MATERIAL NOTES :

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Part 2: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

Part 3: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

Part 4: - Post 60mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .

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TATA ELXSI LIMITED
ITPB ROAD WHITEFIELD,
BANGALORE-560048



APPROVAL BY
KMRL

KOCHI METRO RAIL PROJECT

KOCHI METRO RAIL LIMITED

SIGN NAME: LOCATION SIGN , POST MOUNTED

DY CE STATUS: TENDER (TEKM /TENDER

SCALE: STF DRG.NO: TEKM-T3M3-302.1.6P -1

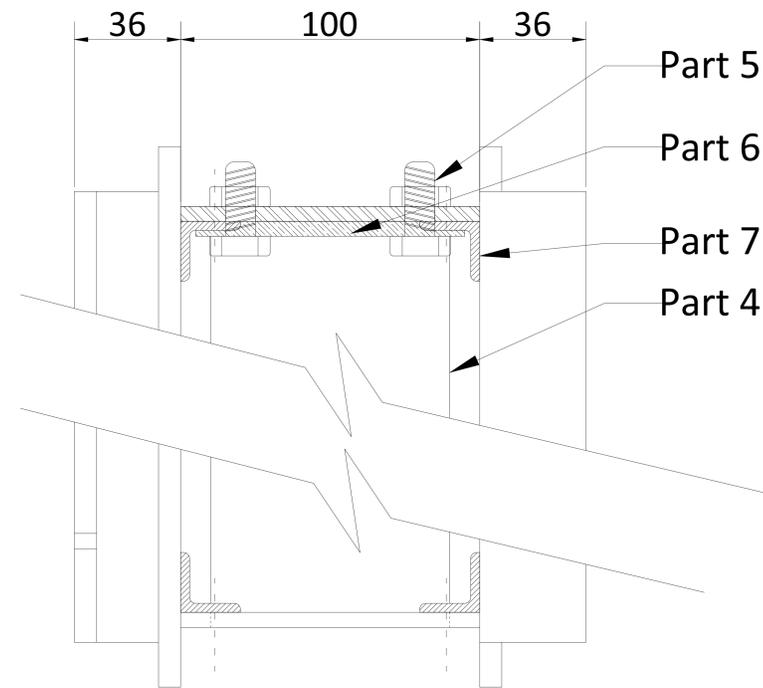
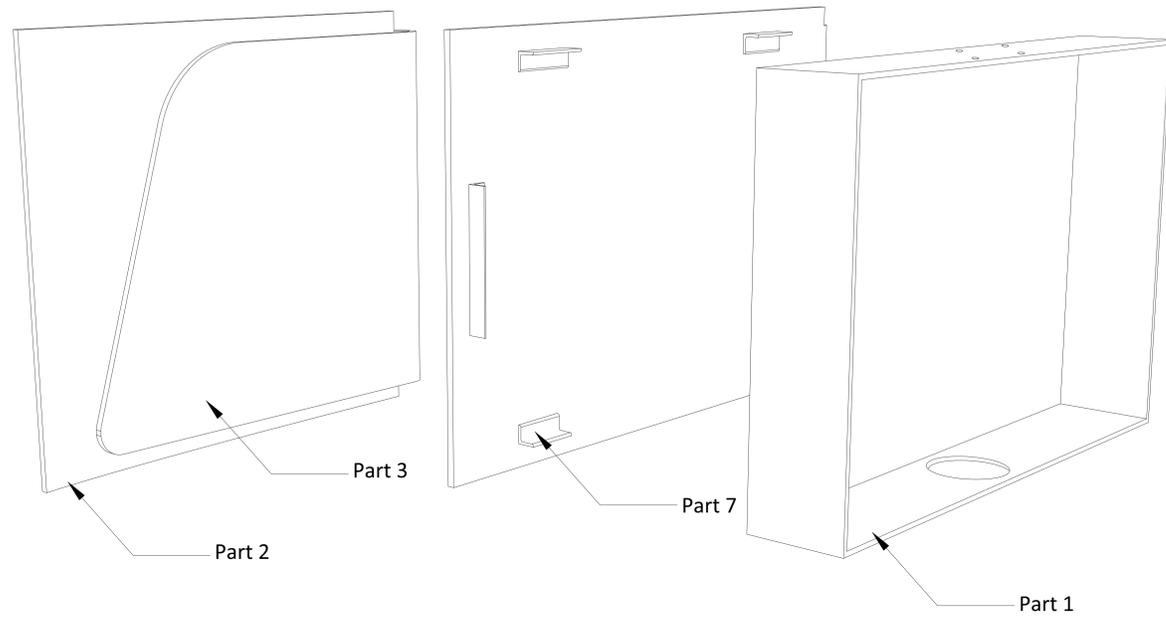
DATE: 30.12.15 DRAWN BY: Deepak

CE (D&C) REV.NO. A CHECKED BY: PBS

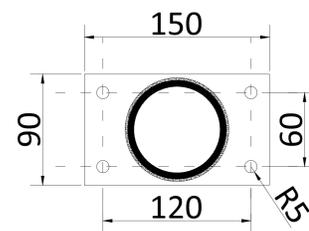
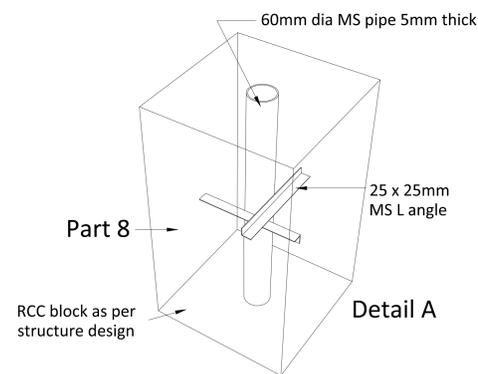
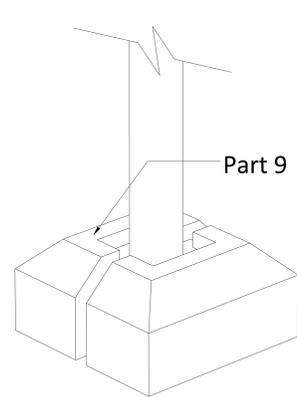


SIGNAGE&GRAPHICS

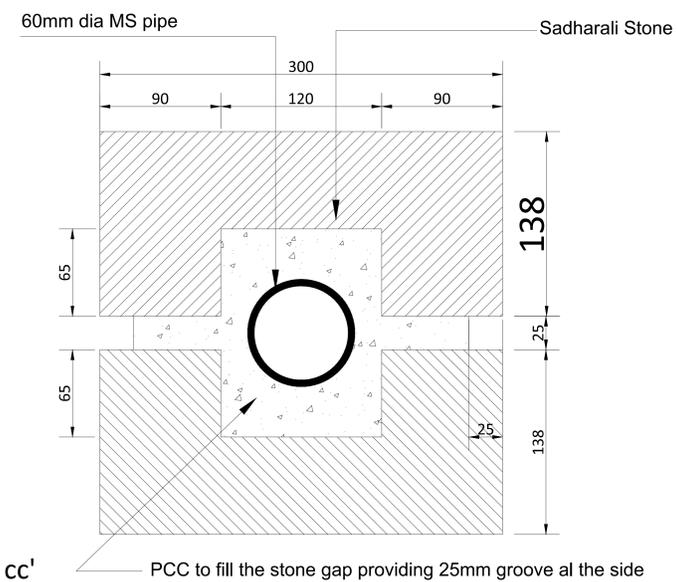
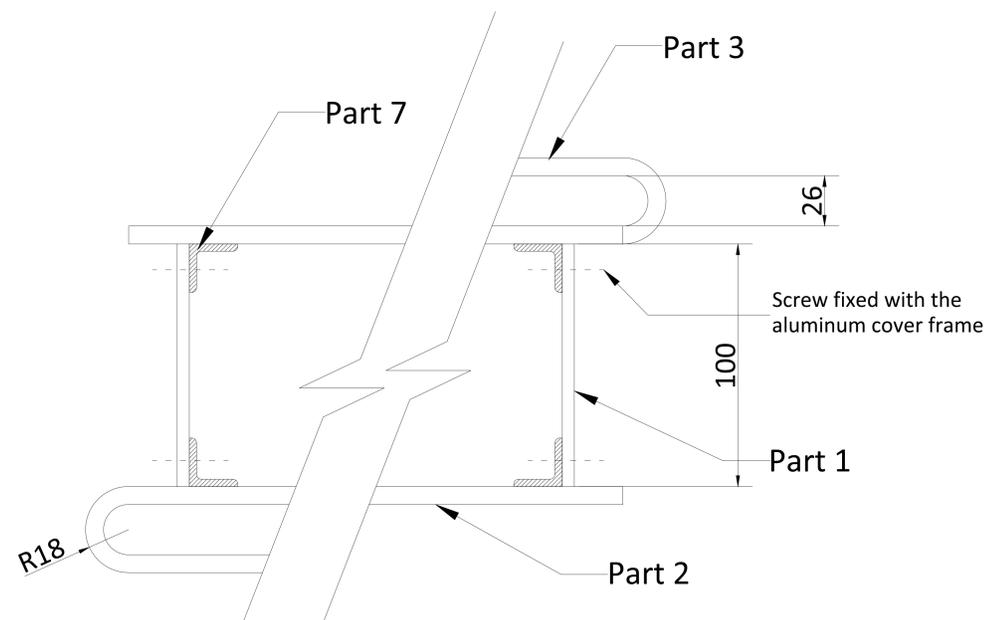
* for foundation details refer to structural dwg



Exploded View



Post mounting plate on box frame



Section cc'

MATERIAL NOTES :

Part 1: Sign panel, 5mm thick aluminum sheet power coated color RAL classic 7016.

Part 2: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

Part 3: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

Part 4: - Post 60mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .

Part 5: M10 bolt for mounting box frame

Part 6: 150mm X 90mm X 5mm MS plate welded to 60mm MS circular Hollow section PU Painted color RAL classic 7016.

Part 7: 20X20X3mm thick equal L angle aluminum extrusion welded to sign panel powder coated color pantone 2768 C .

Part 8: Foundation PPC Foundation as per structural design

Part 9: Pedestal 300X300X150mm Sadharalli stone . 3 Line Finish . PPC Poured to Fix .

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APPROVAL BY
KMRL **KOCHI METRO RAIL PROJECT**

KOCHI METRO RAIL LIMITED

SIGN NAME: LOCATION SIGN , POST MOUNTED

DY CE STATUS: TENDER (TEKM /TENDER

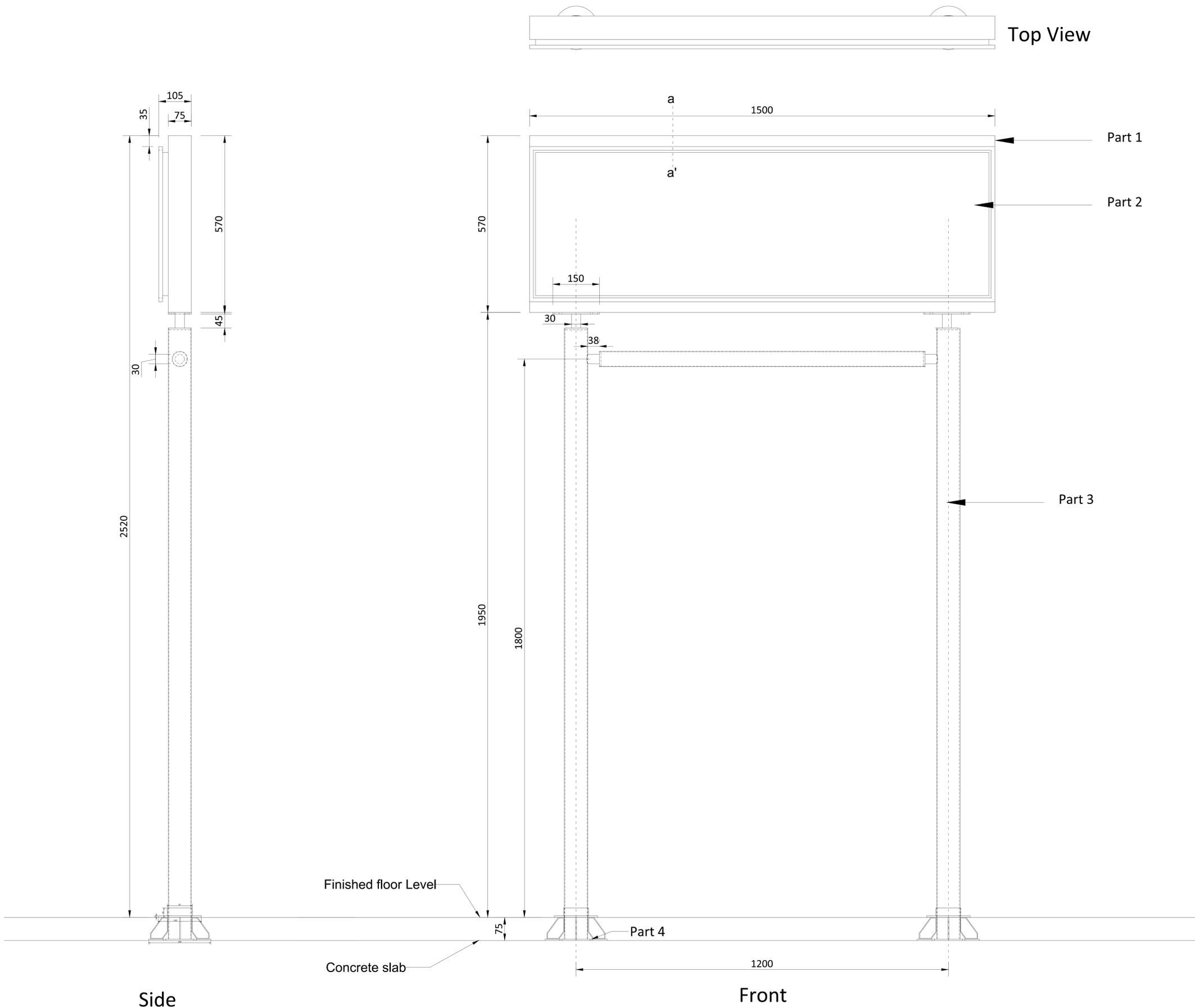
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DATE: 30.12.15 DRAWN BY: Deepak

CE (D&C) REV.NO. A CHECKED BY: PBS



SIGNAGE&GRAPHICS



MATERIAL NOTES :

- Part 1:** Sign box, 2mm thick aluminum sheet CNC bend, powder coated in RAL CLASSIC 7016 color
- Part 2:** Sign panel, 2mm aluminum powder coated in white attached in profile frame.
- Part 3:** Mounting post, 80mm dia, 5mm thick MS circular section, PU painted in RAL CLASSIC 7016 color
- Part 4:** Anchor Fastener 12mm

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SIGNAGE AND GRAPHICS DESIGN CONSULTANT

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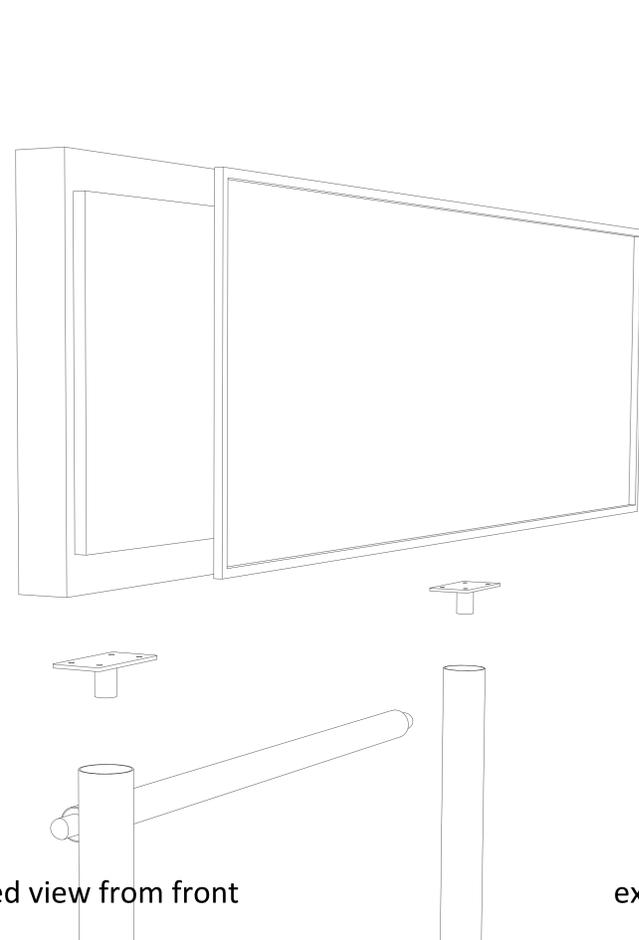
(Name and Designation)
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TATA ELXSI LIMITED
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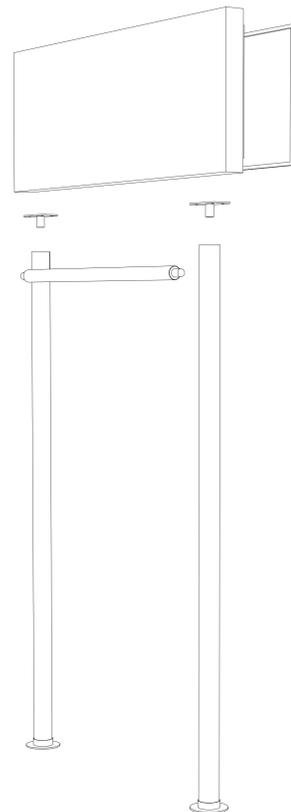


APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
DY CE	SIGN NAME:	PLATFORM NAME	
	STATUS:	TENDER (TEKM /TENDER)	
	SCALE:	STF	
CE (D&C)	DATE:	30.12.15	
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	REV.NO.	A	
	DRAWN BY:	Deepak	
	CHECKED BY:	PBS	

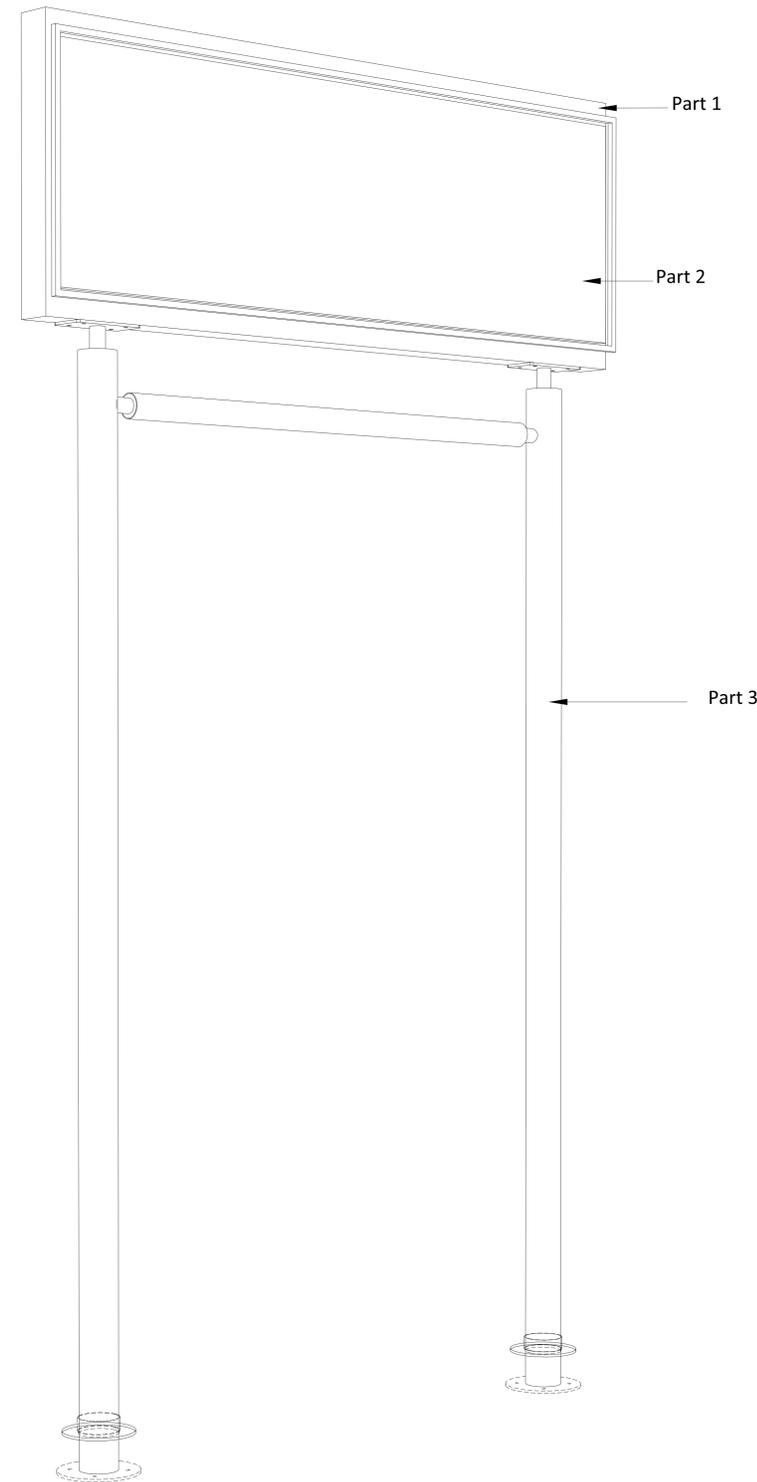




exploded view from front



exploded view from back



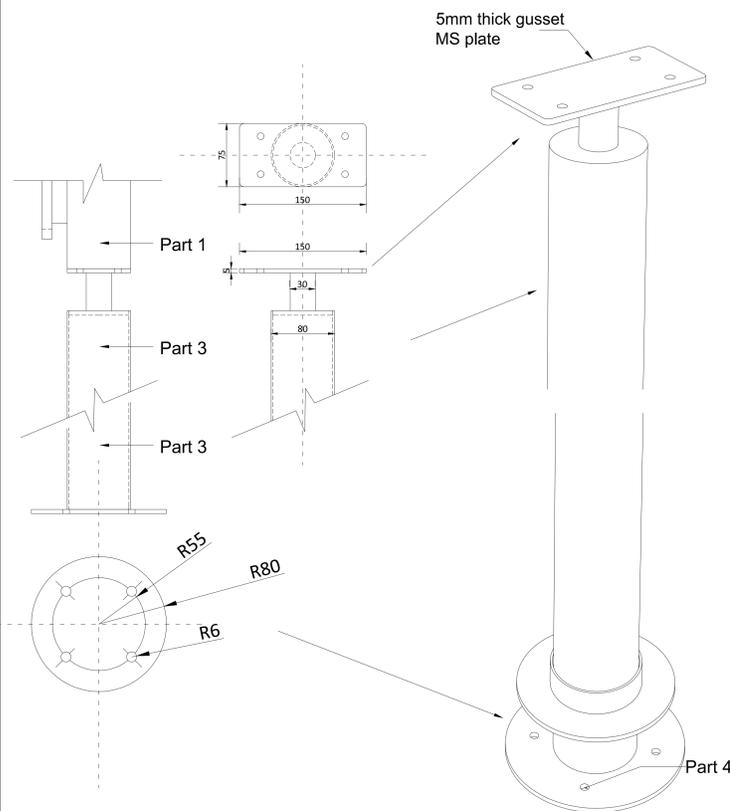
Isometric view

MATERIAL NOTES :

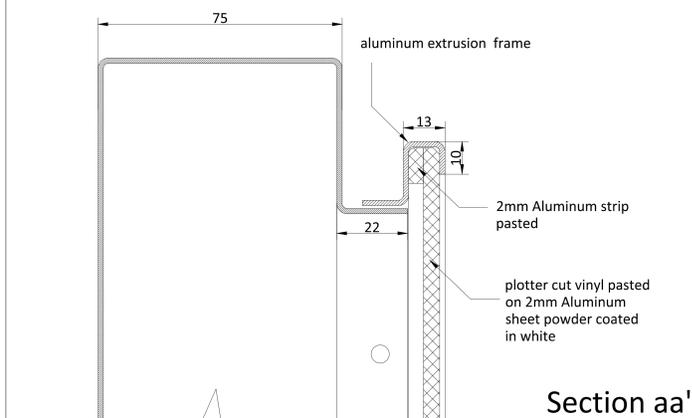
- Part 1:** Sign box, 2mm thick aluminum sheet CNC bend, powder coated in RAL CLASSIC 7016 color
- Part 2:** Sign panel, 2mm aluminum powder coated in white attached in profile frame.
- Part 3:** Mounting post, 80mm dia, 5mm thick MS circular section, PU painted in RAL CLASSIC 7016 color

GENERAL NOTES:

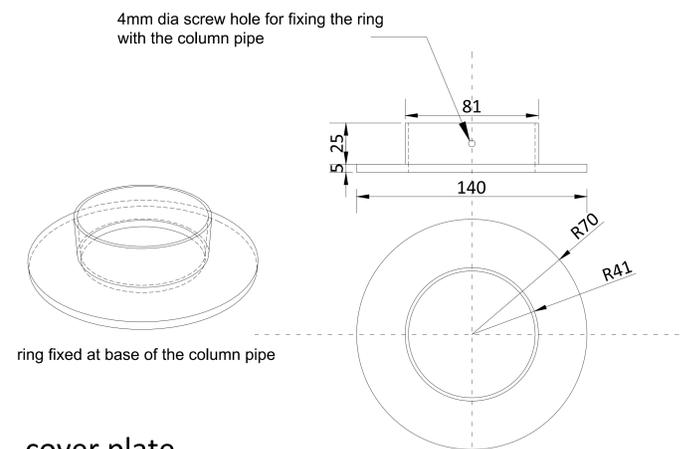
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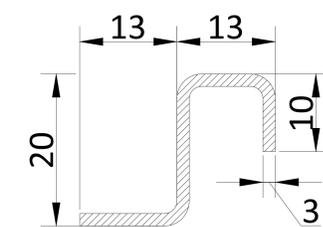
Mounting post detail



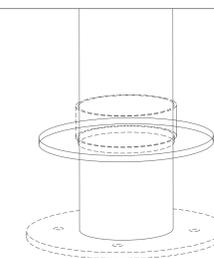
Section aa'



cover plate



Frame profile



Isometric view

REV NO	DATE	DESCRIPTION	SIGN

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BANGALORE-560048



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KOCHI METRO RAIL LIMITED

SIGN NAME: PLATFORM NAME

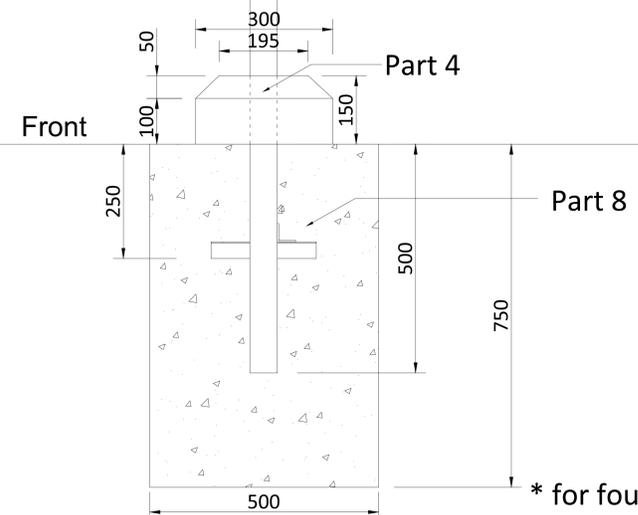
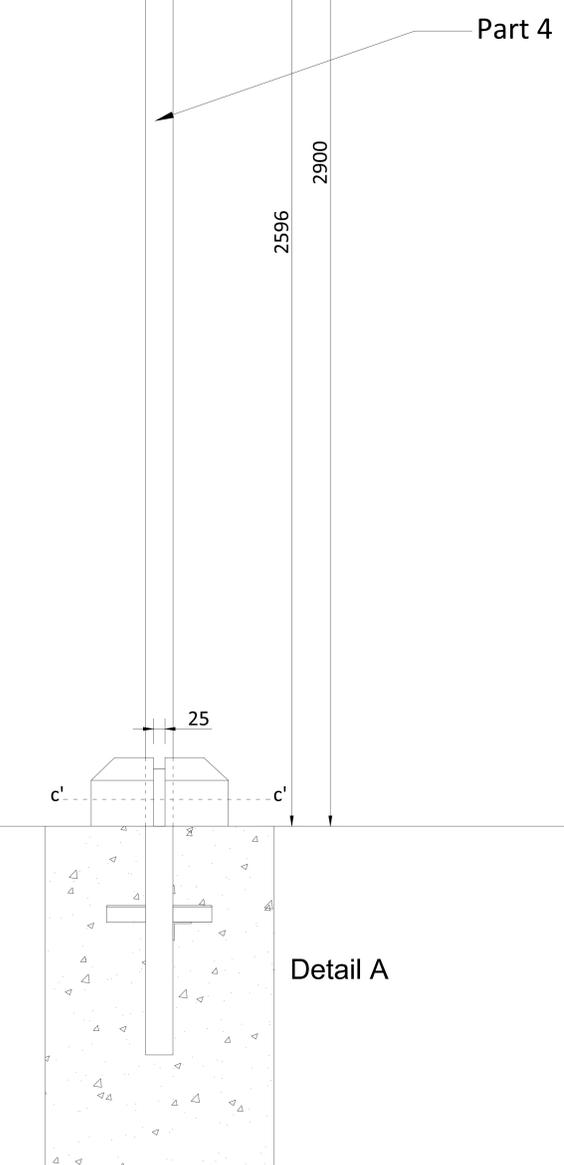
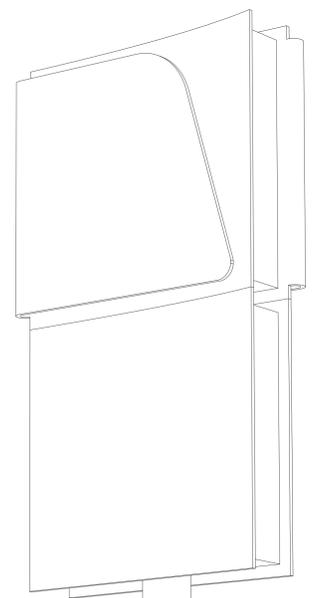
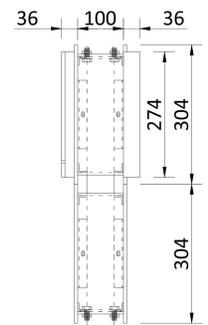
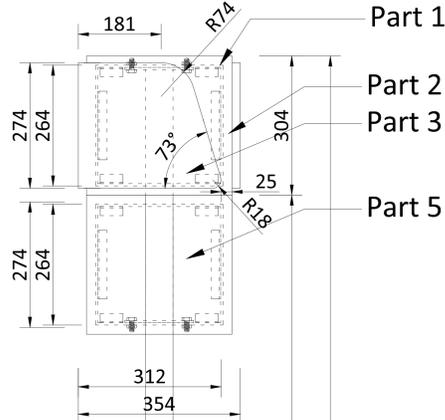
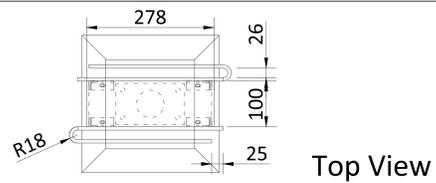
DY CE STATUS: TENDER (TEKM /TENDER

SCALE: STF DRG.NO: TEK-M-T3M3-302.1.7P-02

DATE: 30.12.15 DRAWN BY: Deepak

CE (D&C) REV.NO. A CHECKED BY: PBS





Isometric View

- MATERIAL NOTES :**
- Part 1:** Sign panel, 5mm thick aluminum sheet power coated color RAL classic 7016.
 - Part 2:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .
 - Part 3:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .
 - Part 4:** - Post 60mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .
 - Part 5:** Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

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REV NO	DATE	DESCRIPTION	SIGN

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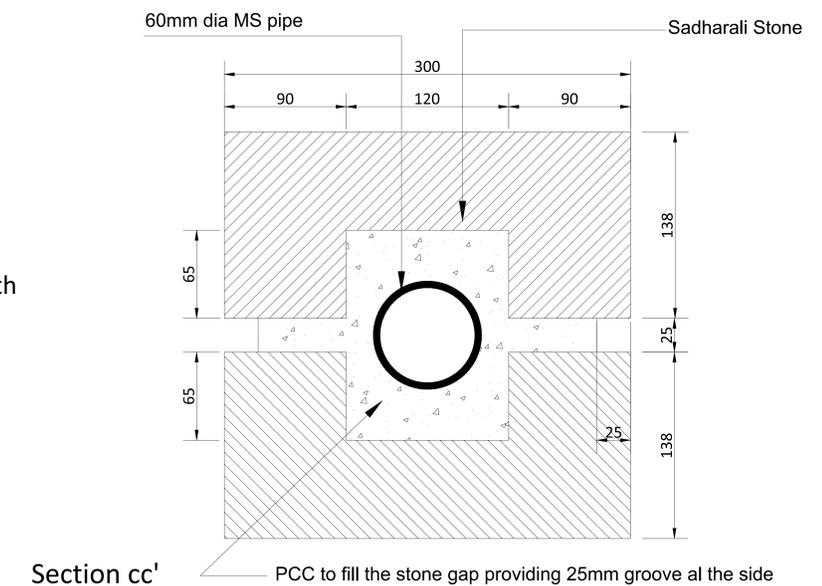
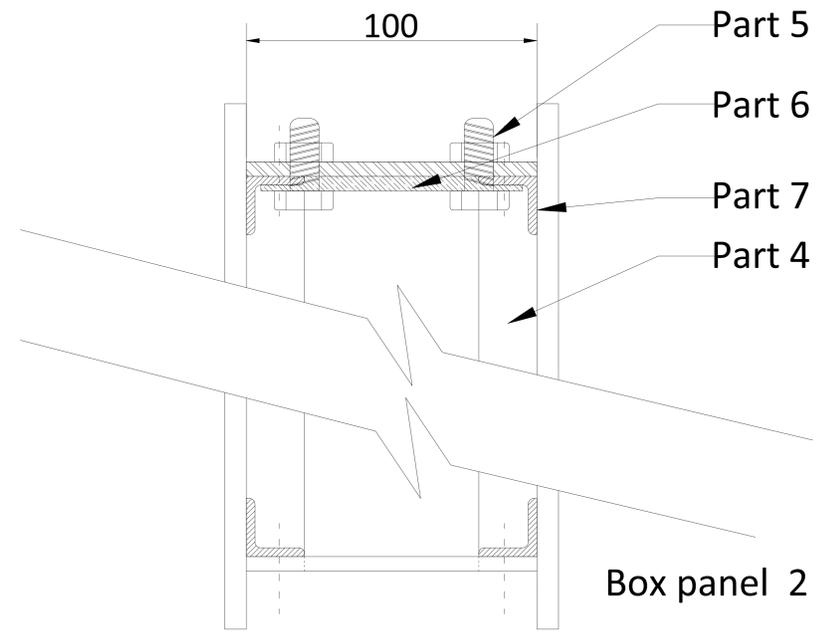
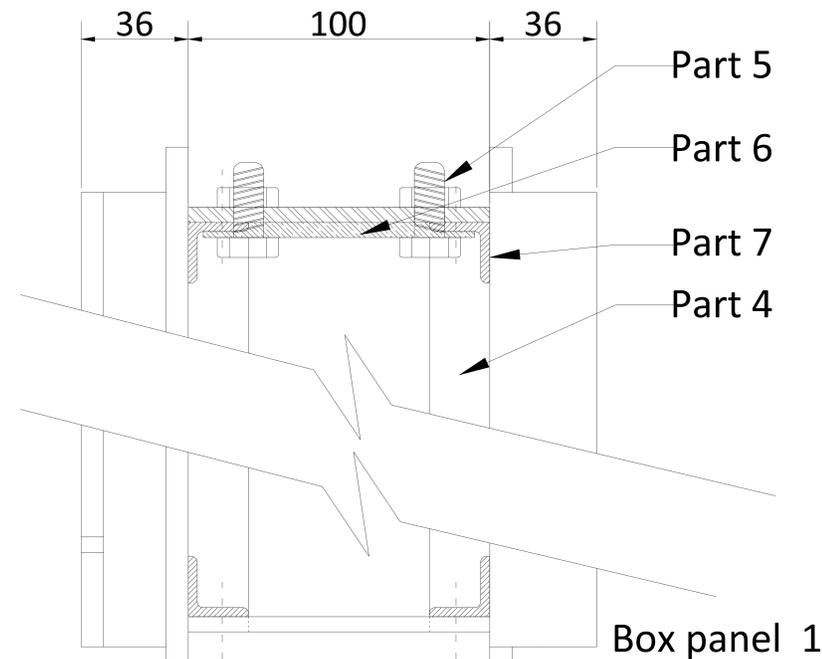
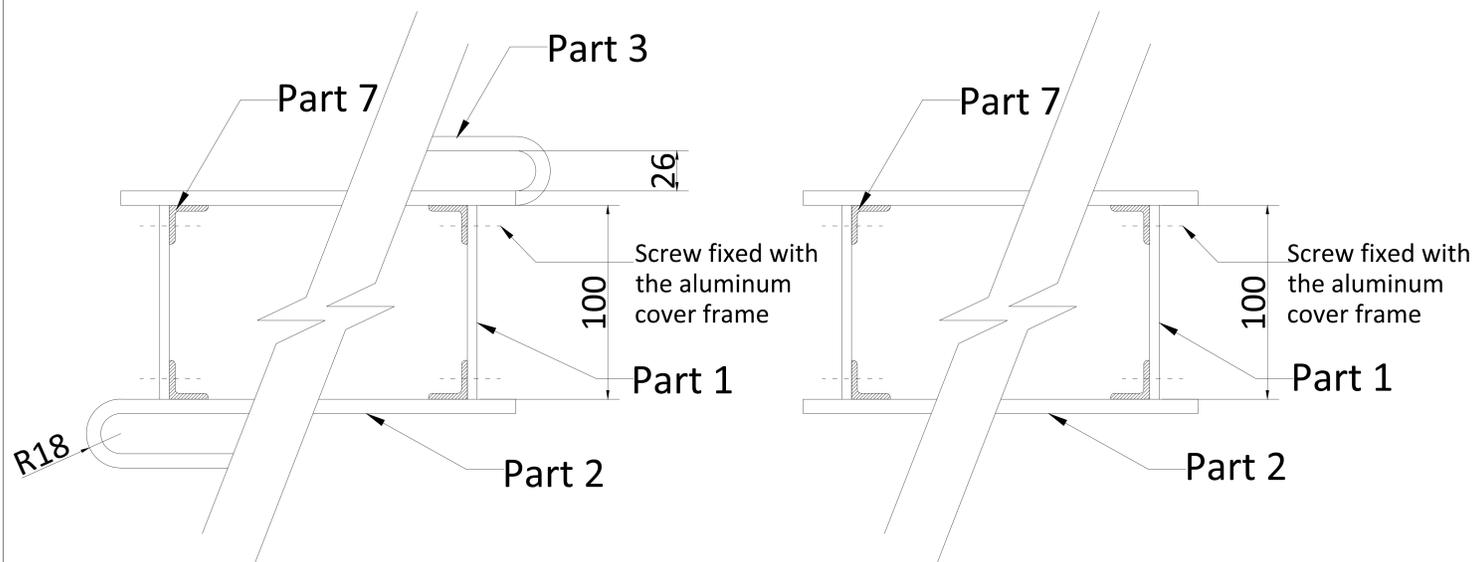
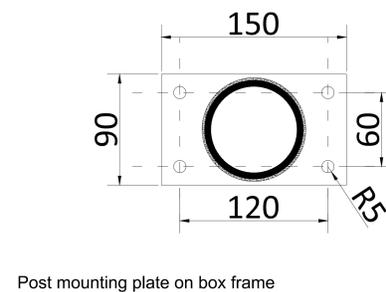
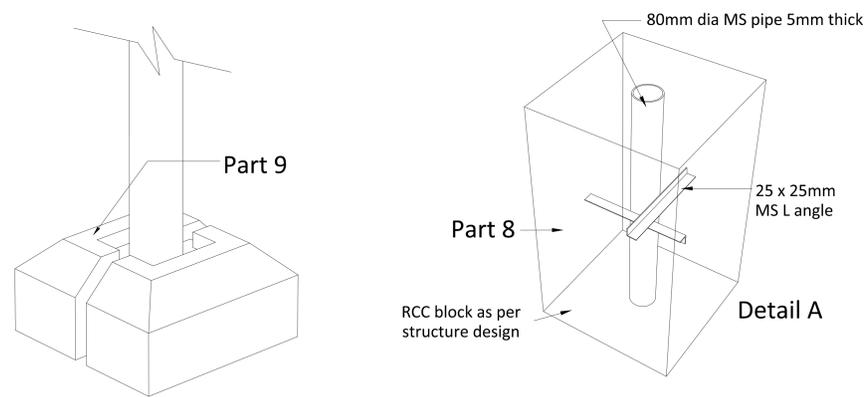
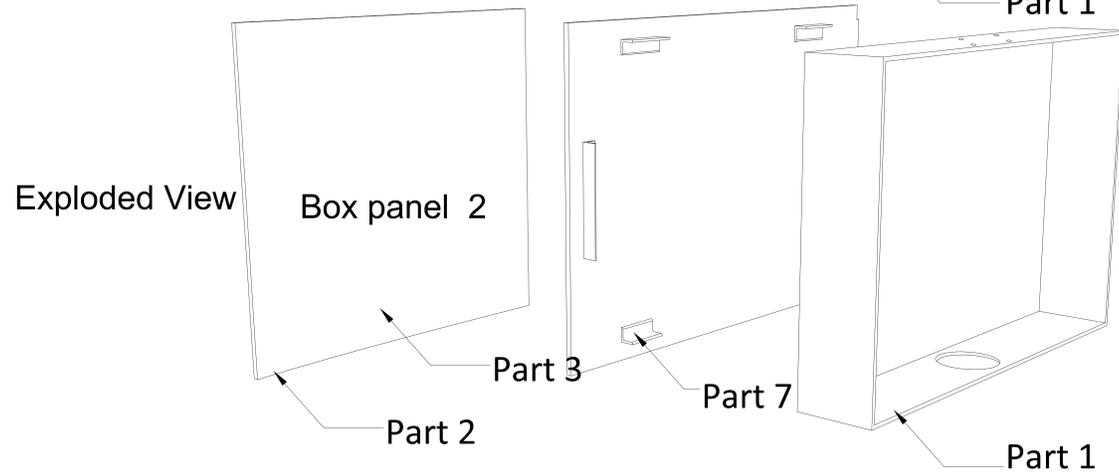
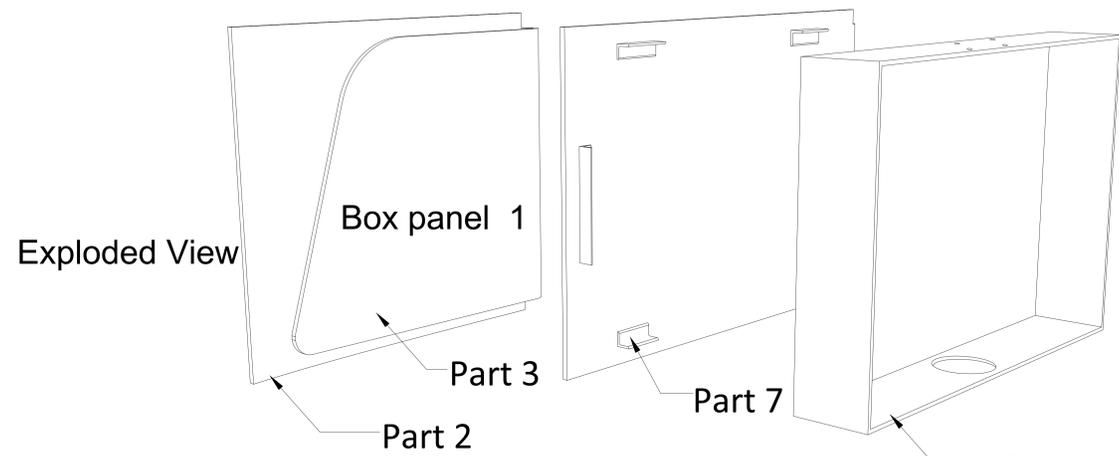
(Name and Designation)
Authorised Signatory for SGDC.

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TATA ELXSI LIMITED
ITPB ROAD WHITEFIELD,
BANGALORE-560048



APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
	SIGN NAME: LOCATION SIGN , POST MOUNTED		
DY CE	STATUS: TENDER (TEKM /TENDER		
	SCALE: STF	DRG.NO: TEKM-T3M3-302.1.8P -1	
	DATE: 08.02.16	DRAWN BY: Deepak	
CE (D&C)	REV.NO. A	CHECKED BY: PBS	

* for foundation details refer to structural dwg



MATERIAL NOTES :

Part 1: Sign panel, 5mm thick aluminum sheet power coated color RAL classic 7016.

Part 2: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

Part 3: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

Part 4: - Post 60mm dia MS Circular Hollow Section PU Painted color RAL classic 7016 . Fixed With Foundation .

Part 5: M10 bolt for mounting box frame

Part 6: 150mm X 90mm X 5mm MS plate welded to 60mm MS circular Hollow section PU Painted color RAL classic 7016.

Part 7: 20X20X3mm thick equal L angle aluminum extrusion welded to sign panel powder coated color pantone 2768 C .

Part 8: Foundation PPC Foundation as per structural design

Part 9: Pedestal 300X300X150mm Sadarahalli stone . 3 Line Finish . PPC Poured to Fix .

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ITPB ROAD WHITEFIELD,
BANGALORE-560048



APPROVAL BY
KMRL
KOCHI METRO RAIL PROJECT

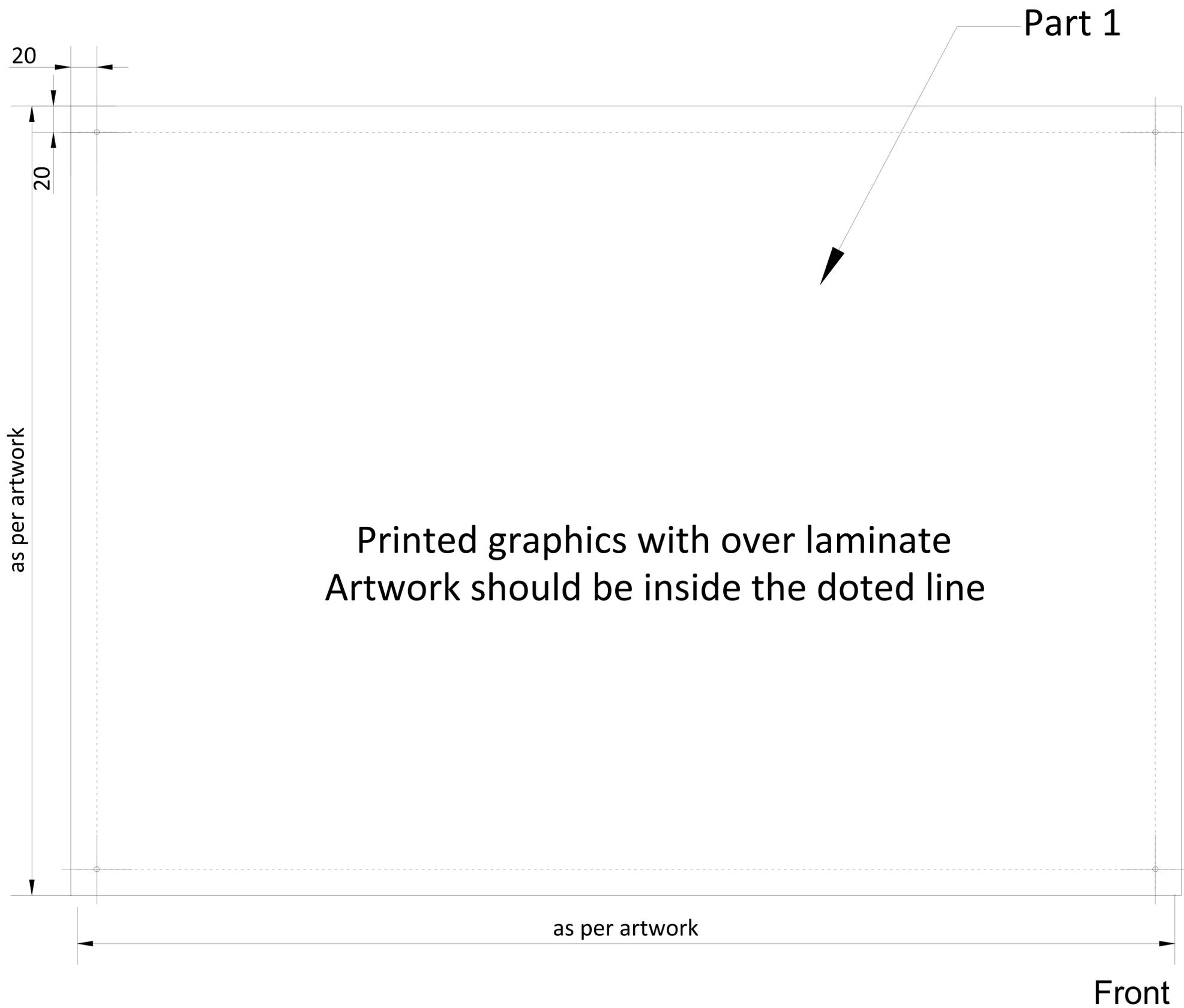
KOCHI METRO RAIL LIMITED
SIGN NAME: LOCATION SIGN , POST MOUNTED

DY CE STATUS: TENDER (TEKM /TENDER

SCALE: STF DRG.NO: TEK-M-T3M3-302.1.8P -2
DATE: 08.02.16 DRAWN BY: Deepak

CE (D&C) REV.NO. A CHECKED BY: PBS





Printed graphics with over laminate
 Artwork should be inside the doted line

MATERIAL NOTES :
Part 1: Sign panel, 2mm thick aluminum plate power coated color PANTONE 2768 C wrap vinyl over it .

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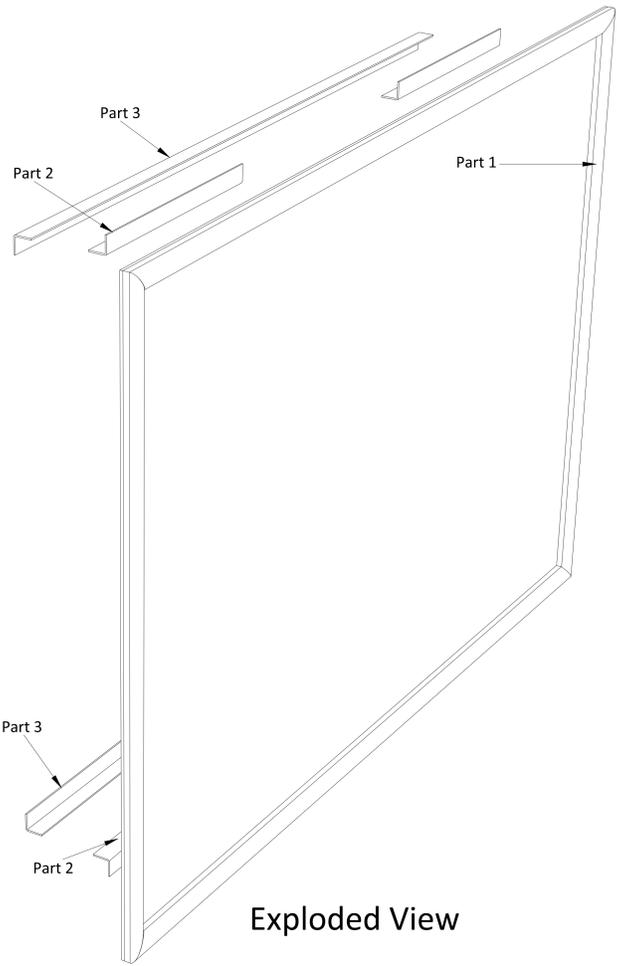
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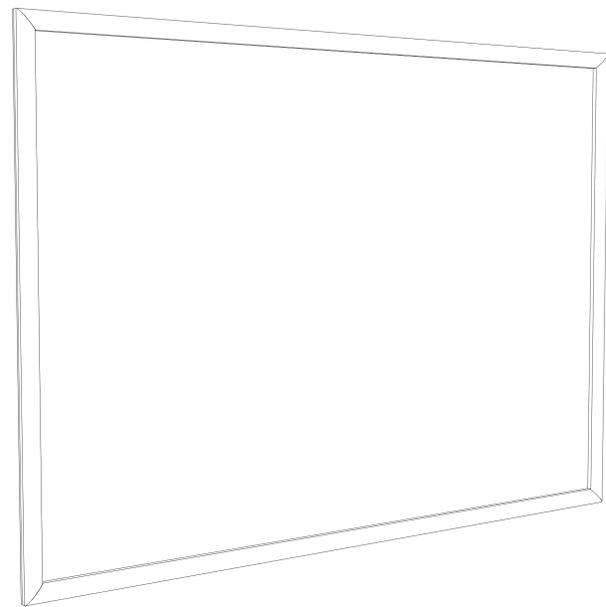
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	SCALE: STF	DRG.NO: TEKM-T3M3-302.5P-01	
	DATE: 30.12.15	DRAWN BY: Deepak	
CE (D&C)	REV.NO. A	CHECKED BY: PBS	

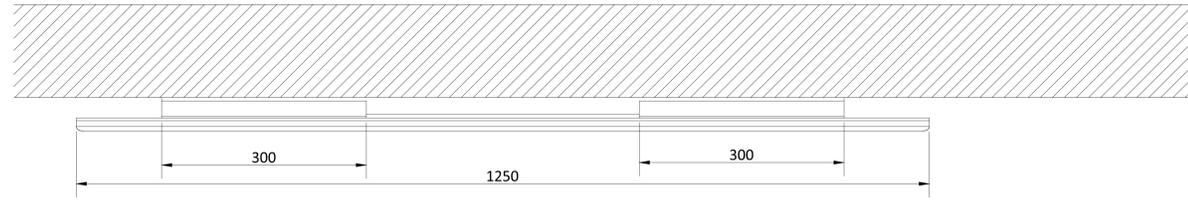




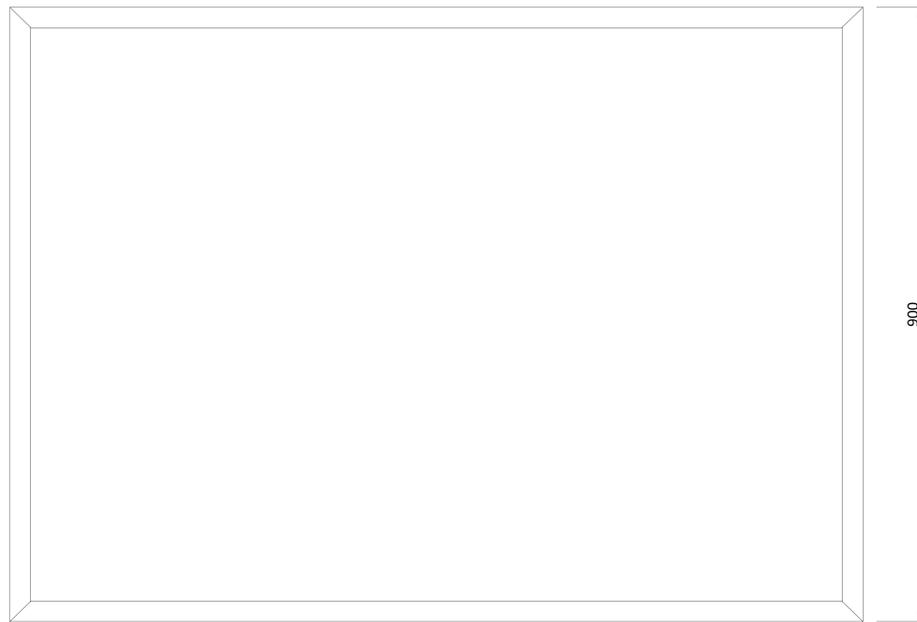
Exploded View



Isometric view



Top View



Front



Side

MATERIAL NOTES :

- Part 1:** Sign panel, 2mm thick power coated aluminum sheet color RAL classic 7016 vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate hold into 30x20mm snap frame aluminum extrusion powder coated in RAL classic 7016.
- Part 2:** 25X25X3mm MS Equal angle cleat powder coated in color RAL classic 7016.
- Part 3:** supporting angle, 25X25X3mm MS Equal angle cleat powder coated in color RAL classic 7016.

GENERAL NOTES:

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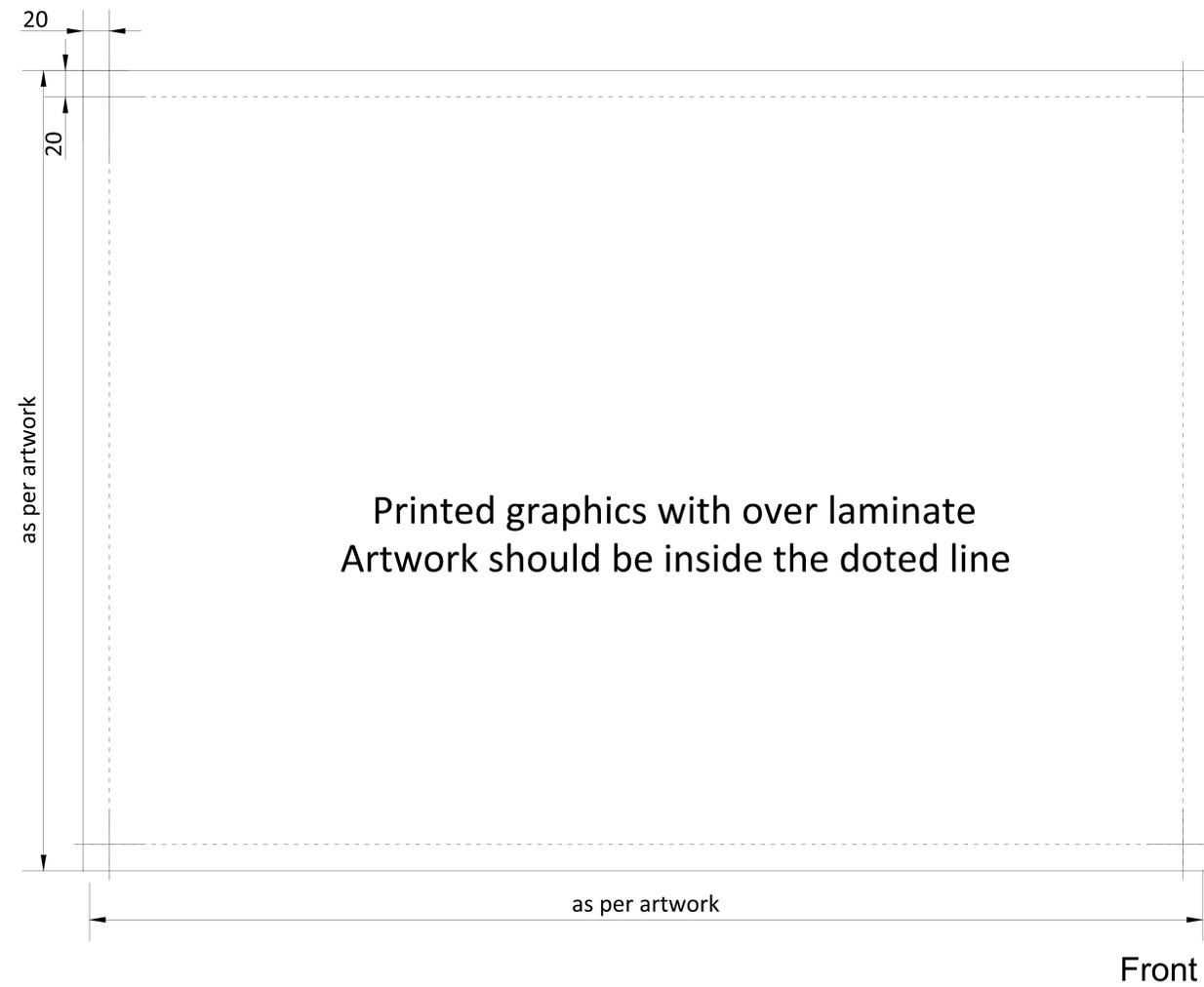
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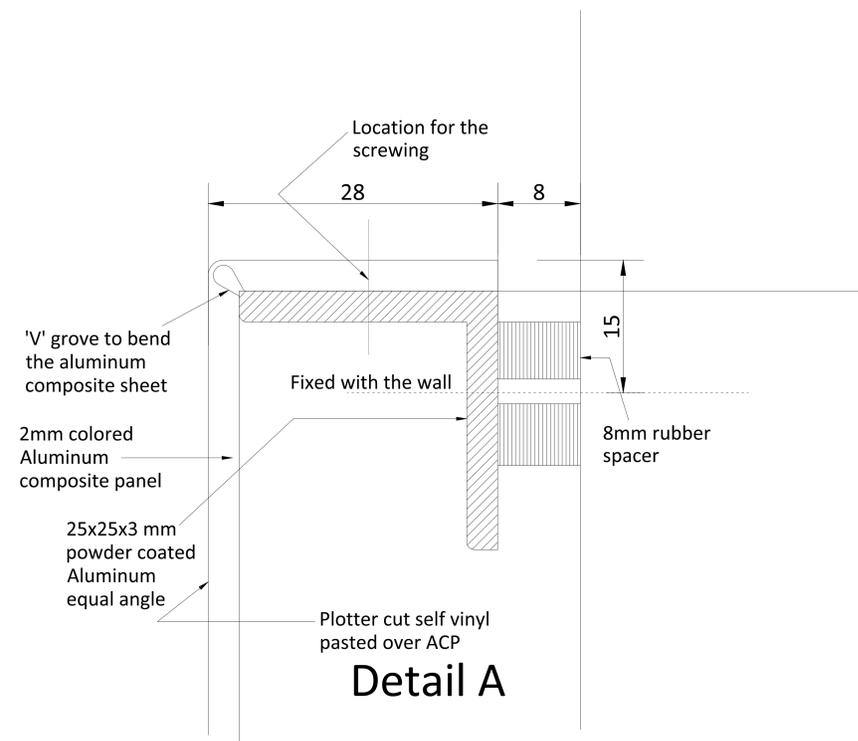
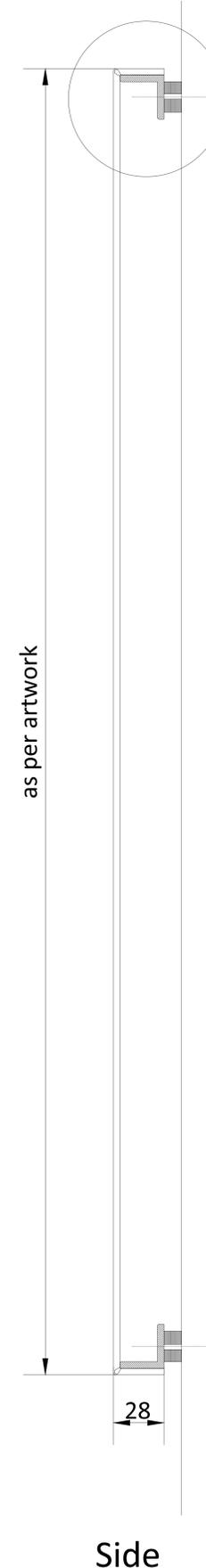
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	SCALE: STF	DRG.NO: TEKM-T3M3-303.1.1P-01		
	DATE: 30.12.15	DRAWN BY: Deepak		
CE (D&C)	REV.NO. A	CHECKED BY: PBS		



Detail A



MATERIAL NOTES :

Part 1: Sign panel, 2mm thick Aluminum composite panel colored PANTONE 2768 C wrap vinyl over it .

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SCALE: STF

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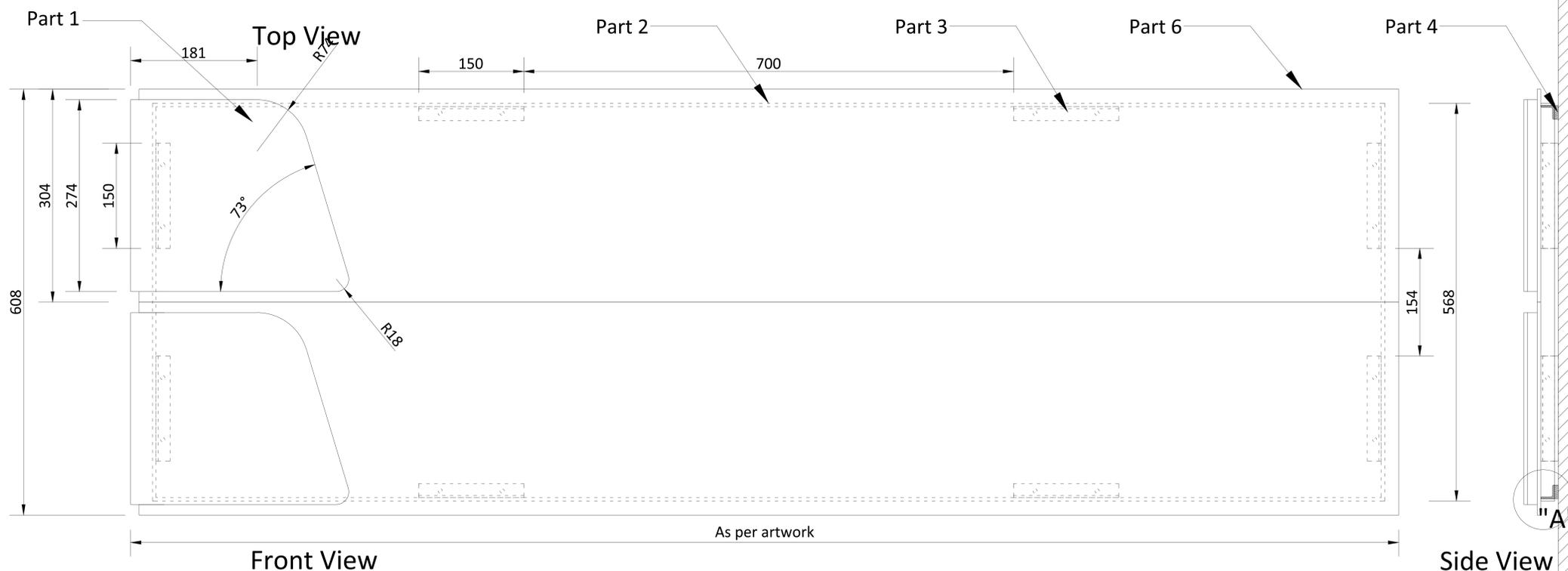
CE (D&C)

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SIGNAGE&GRAPHICS



MATERIAL NOTES :

Part 1: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 382 C wrap vinyl over it .

Part 2: 20mm depth 3mm thick aluminum sheet welded to Part 1 cleat powder coated color RAL classic 7016.

Part 3: 20X20X3mm thick equal L angle aluminum extrusion powder coated color RAL classic 7016.

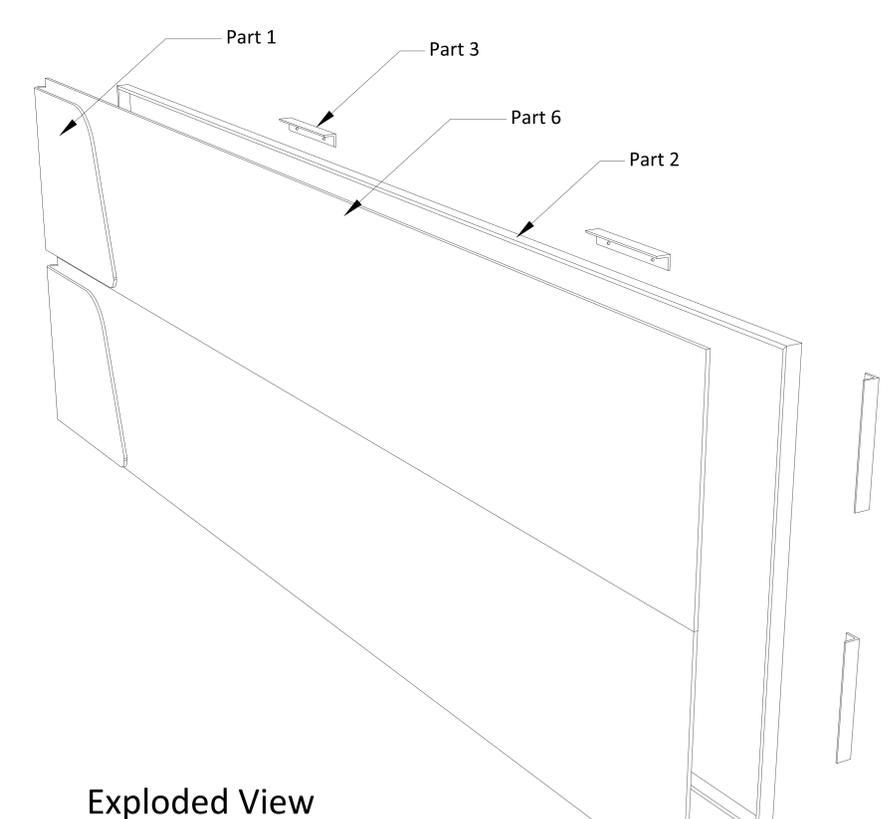
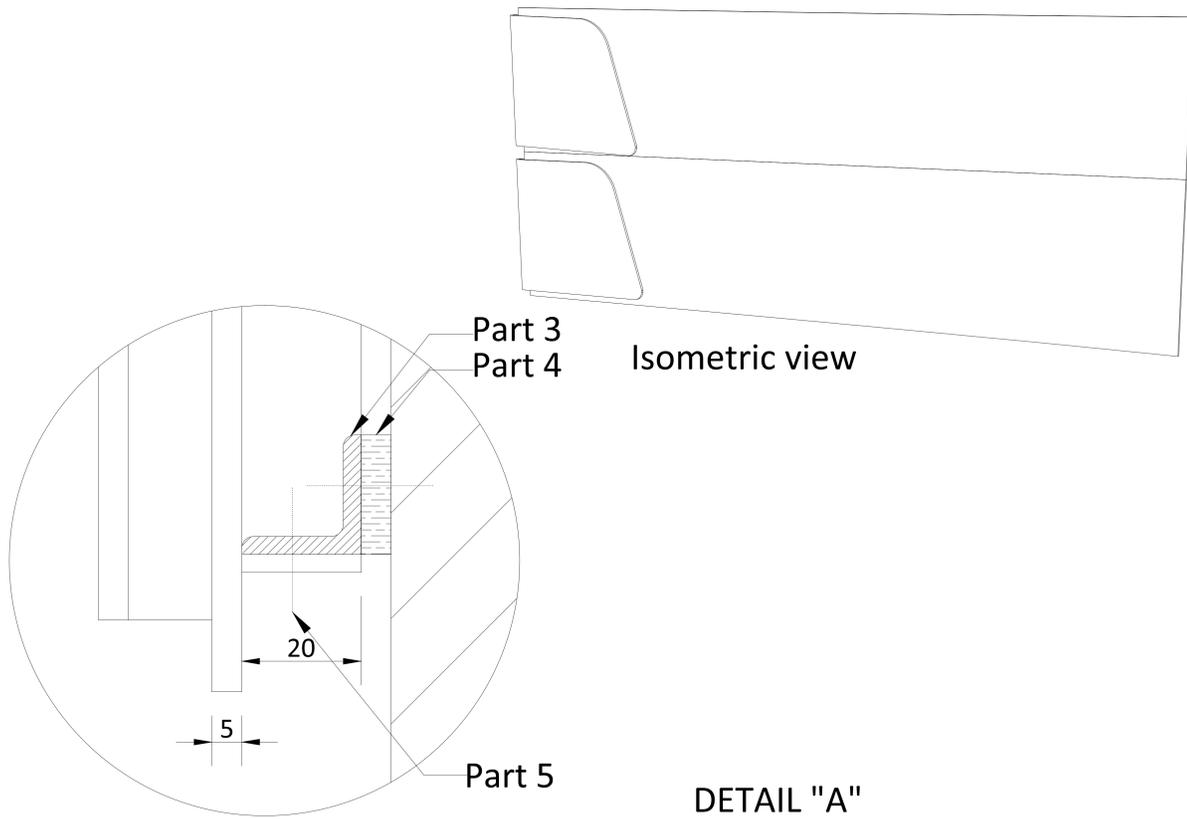
Part 4: The frame could be mounted on the wall using a screw and rubber spacer.

Part 5: 3mm thick aluminum screw to equal L angle

Part 6: Sign panel, 5mm thick aluminum sheet power coated color PANTONE 2768 C wrap vinyl over it .

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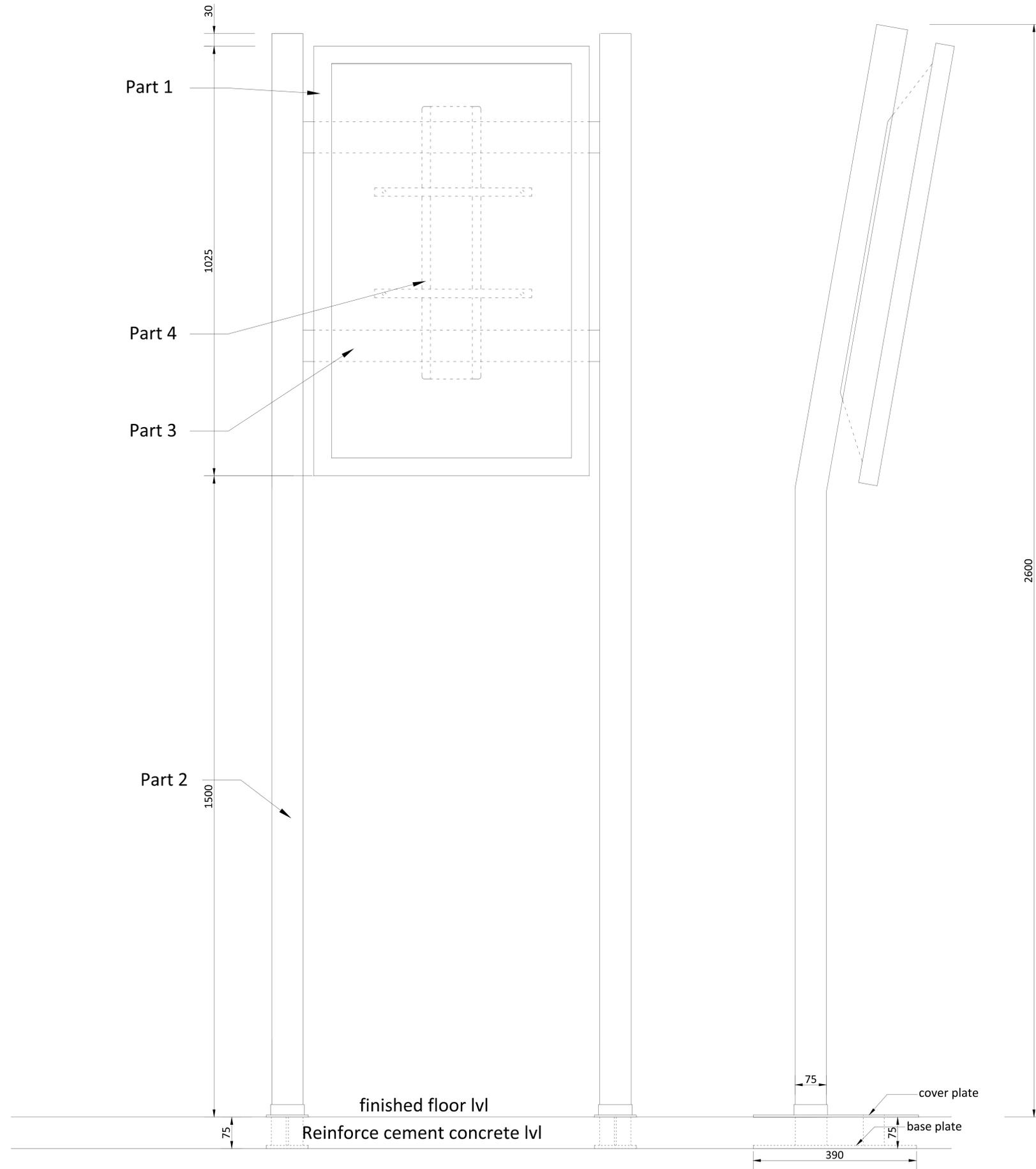
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	DATE: 30.12.15	DRAWN BY: Deepak	
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MATERIAL NOTES :

- Part 1:** 46 " LED Display
- Part 2:** post, 80 mm dia 5mm thick circular hollow section powder coated in RAL Classic 7016.
- Part 3:** Connecting frame, 1.6 CRCA MS sheet bend 'U' shape weld join to post. powder coated in RAL Classic 7016
- Part 4:** LCD Mounting Bracket part of LED Display

GENERAL NOTES:

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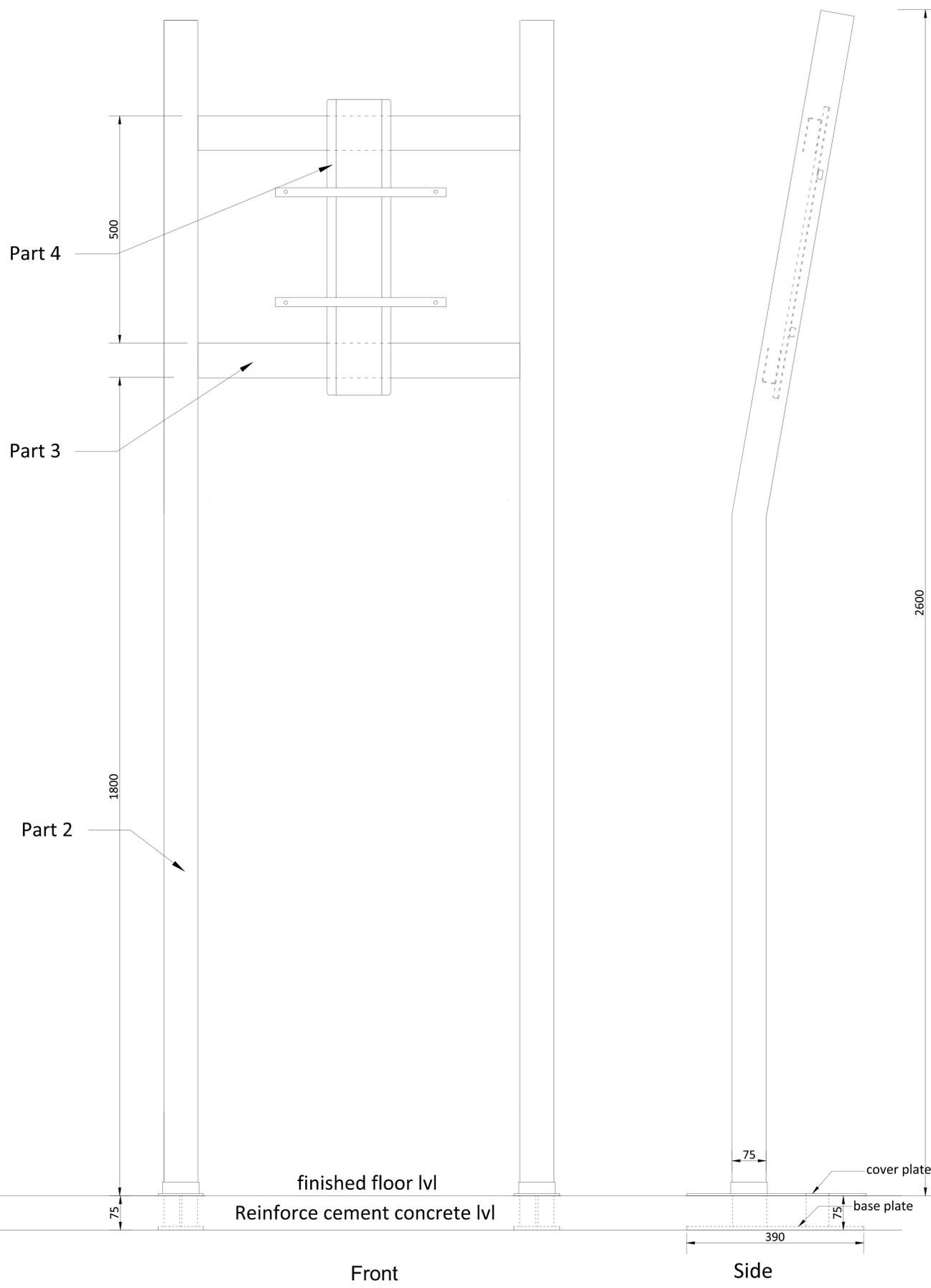
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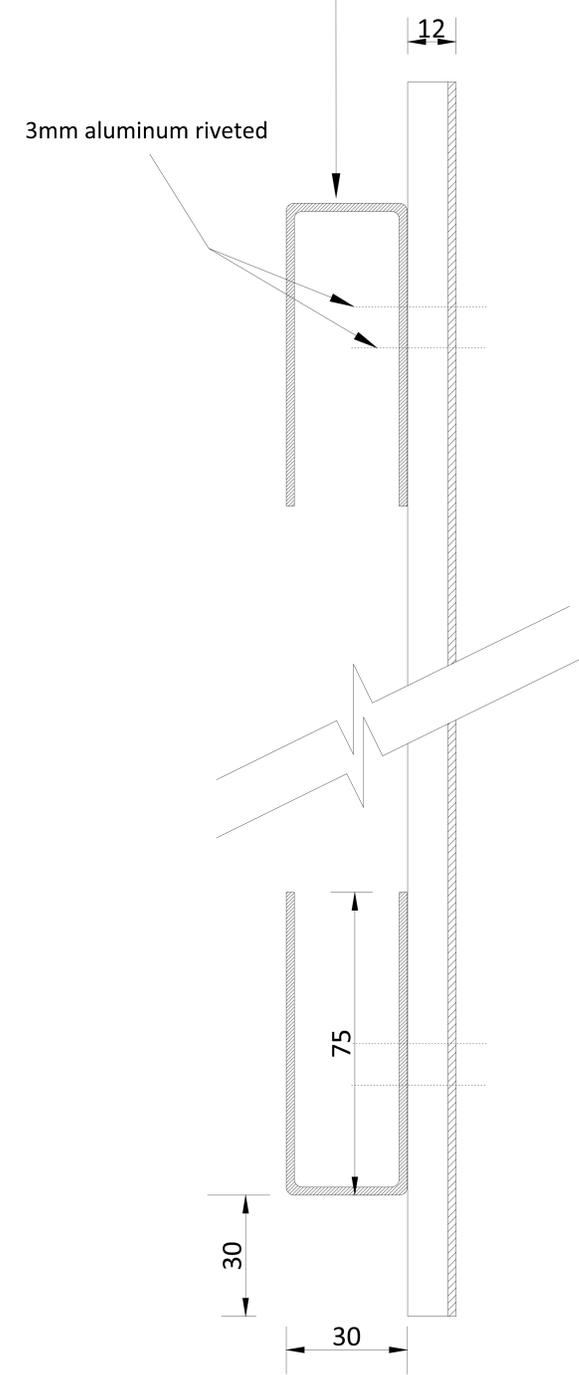
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SIGNAGE&GRAPHICS



'U' section made out of 2mm thick CRCA sheet with the lip of 25mm as shown, powder coated to mach with color G1 after welding with the post done.



LCD Bracket Mounting

MATERIAL NOTES :

- Part 1:** 46 " LED Display
- Part 2:** post, 80 mm dia 5mm thick circular hollow section powder coated in RAL Classic 7016.
- Part 3:** Connecting frame, 1.6 CRCA MS sheet bend 'U' shape weld join to post. powder coated in RAL Classic 7016
- Part 4:** LCD Mounting Bracket part of LED Display

GENERAL NOTES:

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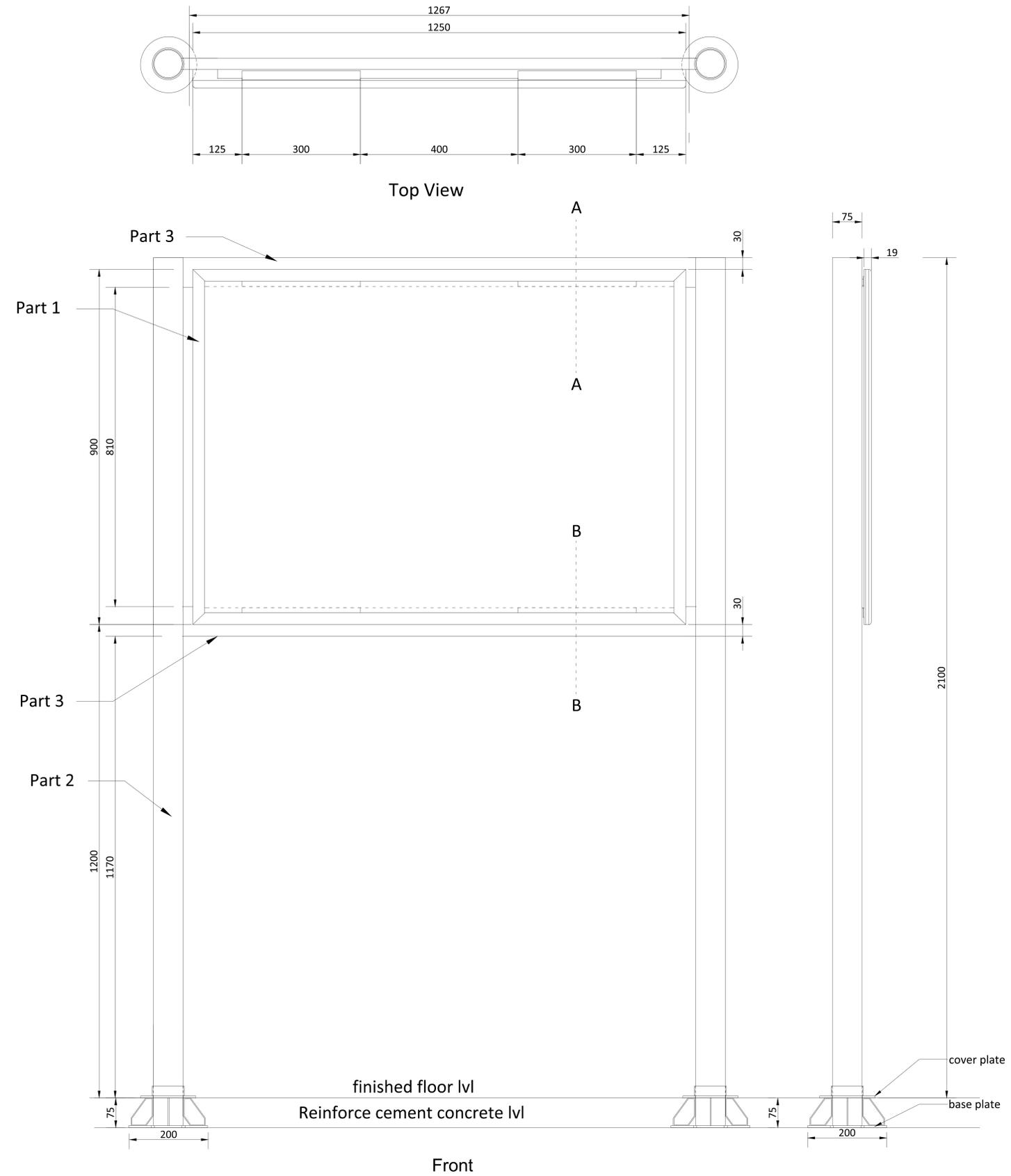
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MATERIAL NOTES :

- Part 1:** Sign panel, 2mm thick power coated aluminum sheet color RAL classic 7016 vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate hold into 30x20mm snap frame aluminum extrusion powder coated in RAL classic 7016.
- Part 2:** Post, 80 mm dia 5mm thick MS circular hollow section PU painted in RAL classic 7016.
- Part 3:** Connecting frame, 3mm thick aluminium sheet bend 'U' shape bolted to post. powder coated in RAL classic 7016.

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3mm thick aluminium sheet with the lip of 25mm as shown, powder coated to match with color RAL classic 7016.

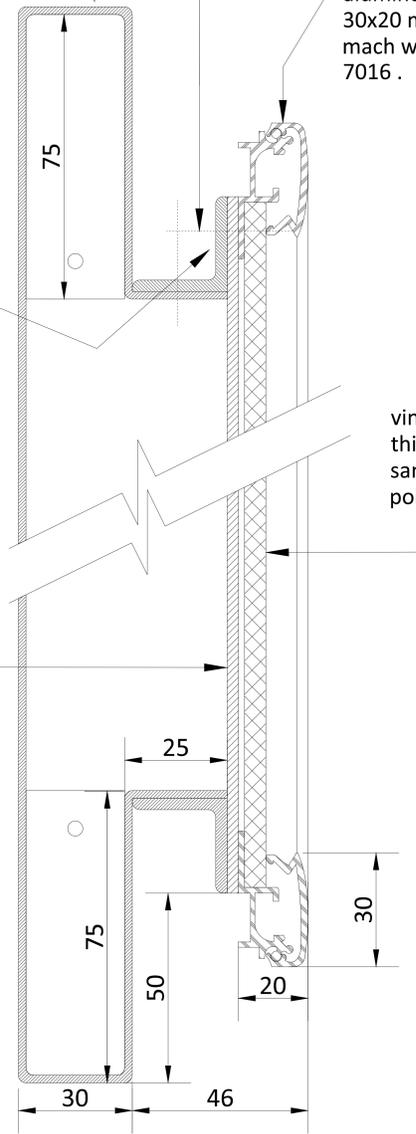
3mm aluminium riveted to snap frame

Snap frame of extruded aluminum section of size 30x20 mm powder coated to match with color RAL classic 7016 .

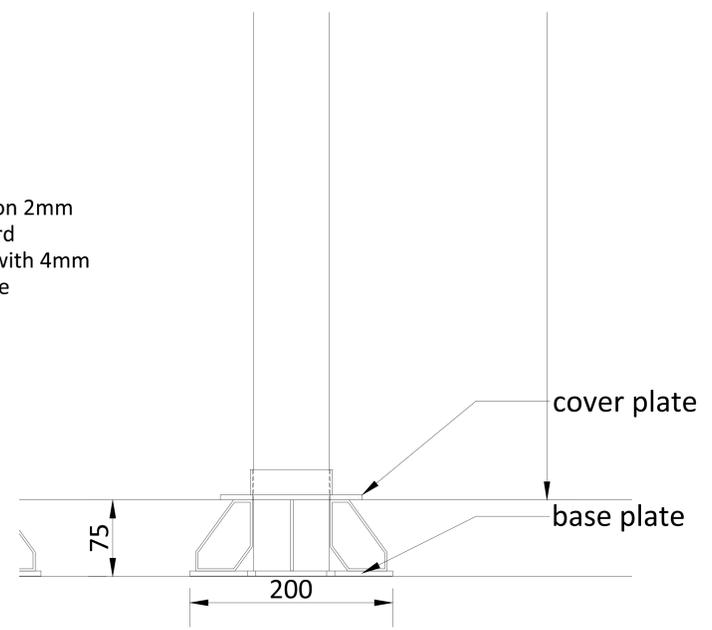
25x25x3 mm aluminium 'L' section cleat riveted to 'HAT' section in RAL classic 7016

vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate

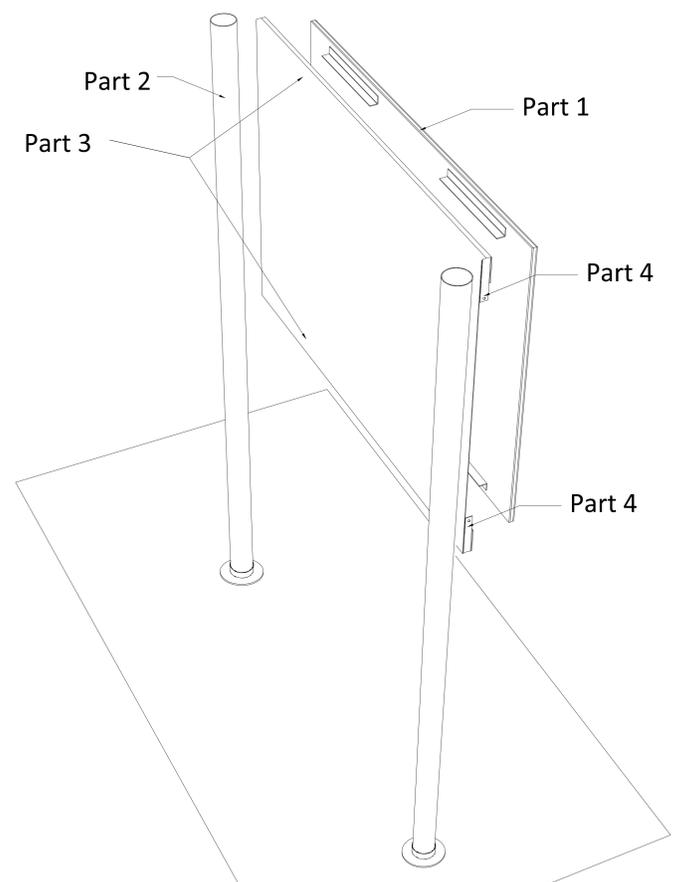
2mm powder coated aluminium sheet in G3



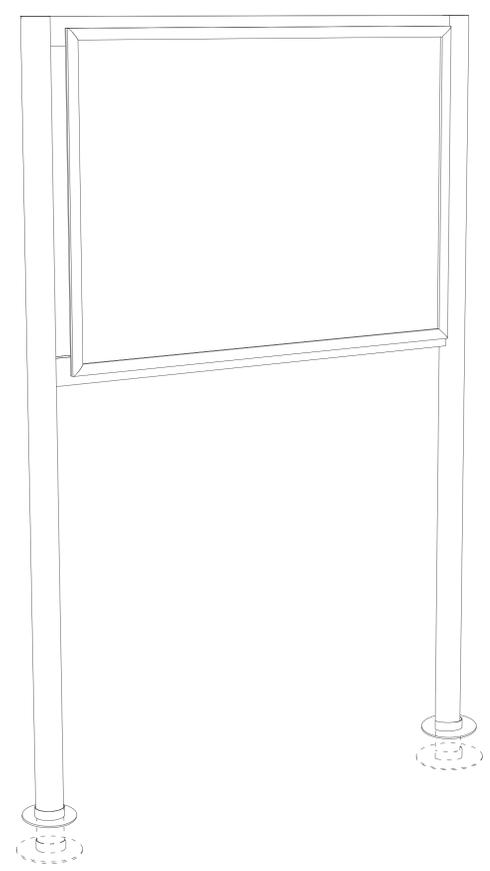
Section AA' and BB'



Footing detail



Exploded View showing single panel



Isometric view

MATERIAL NOTES :

- Part 1:** Sign panel, 2mm thick power coated aluminum sheet color RAL classic 7016 vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate hold into 30x20mm snap frame aluminum extrusion powder coated in RAL classic 7016.
- Part 2:** Post, 80 mm dia 5mm thick MS circular hollow section PU painted in RAL classic 7016.
- Part 3:** Connecting frame, 3mm thick aluminium sheet bend 'U' shape bolted to post. powder coated in RAL classic 7016.
- Part 4:** Chrome bolt , Bolted to MS pipe 80mm using silicone washer either side

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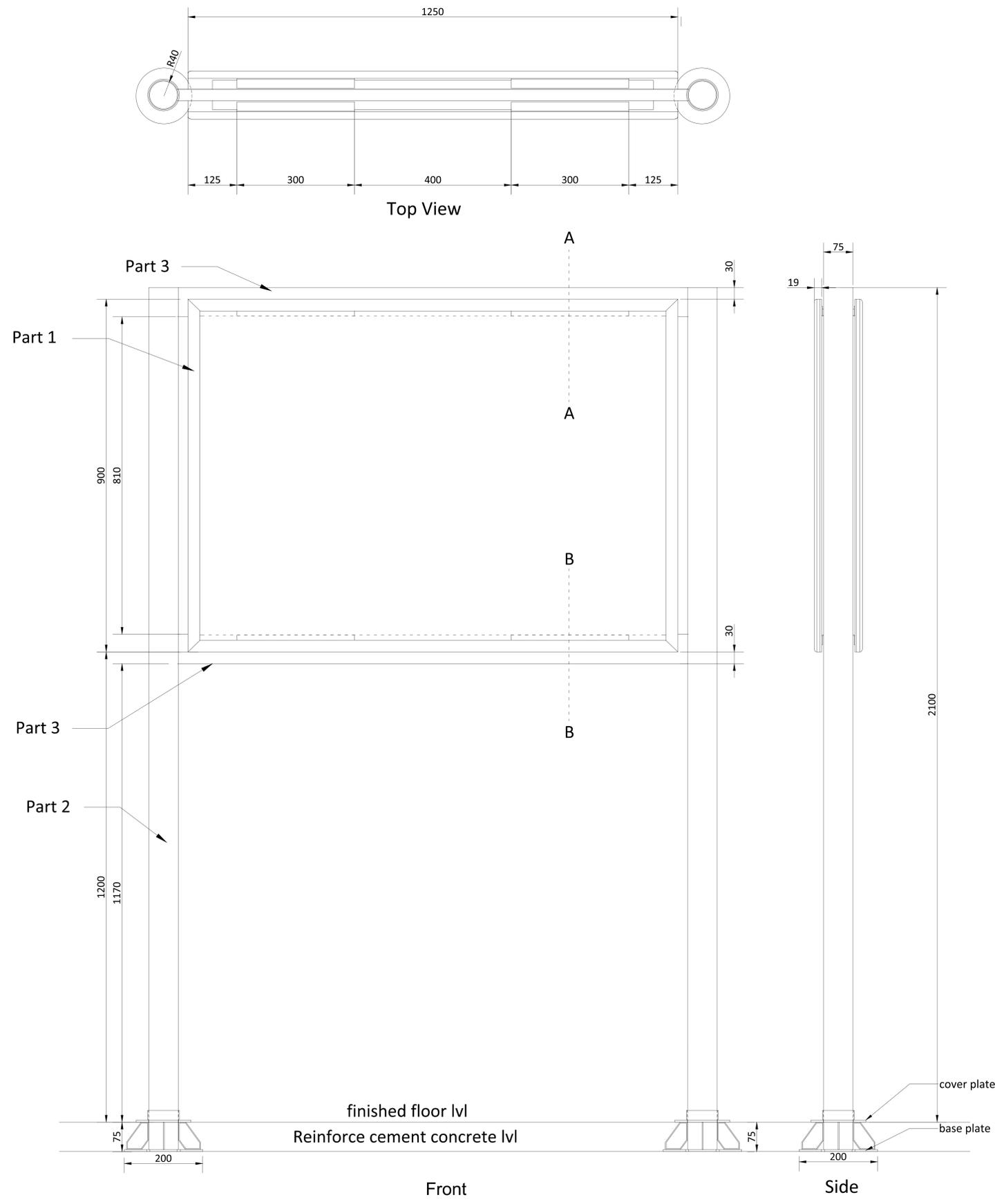
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	DATE: 01.03.12	DRAWN BY: Deepak	
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MATERIAL NOTES :

Part 1: Sign panel, 2mm thick power coated aluminum sheet color RAL classic 7016 vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate hold into 30x20mm snap frame aluminum extrusion powder coated in RAL classic 7016.

Part 2: Post, 80 mm dia 5mm thick MS circular hollow section PU painted in RAL classic 7016.

Part 3: Connecting frame, 3mm thick aluminium sheet bend 'U' shape bolted to post. powder coated in RAL classic 7016.

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KOCHI METRO RAIL LIMITED

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DATE: 30.12.15 DRAWN BY: Deepak

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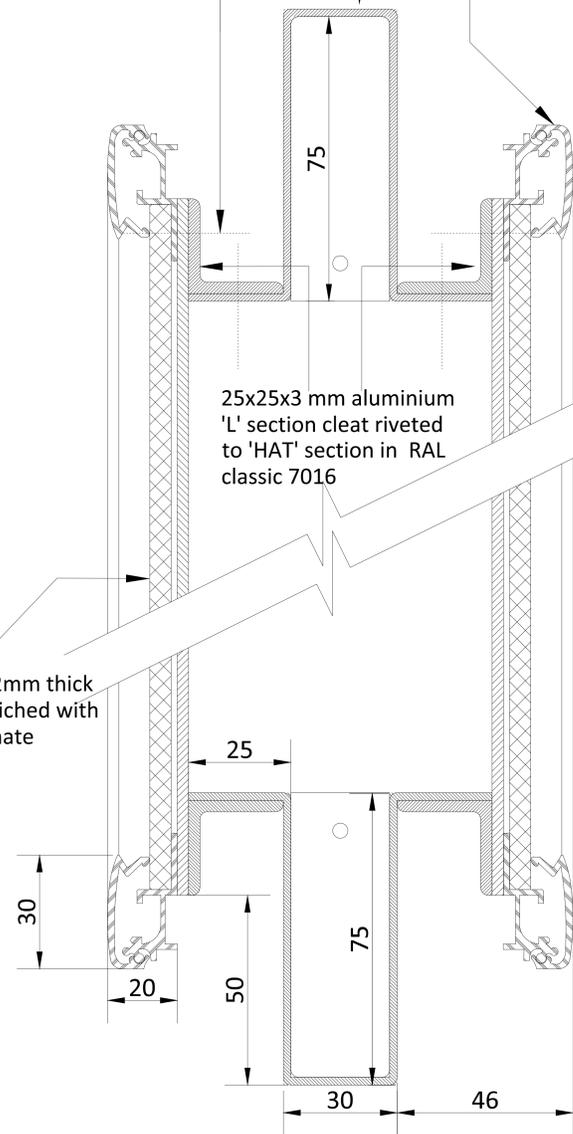
'U' section made out of 3mm thick aluminium sheet with the lip of 25mm as shown, powder coated to mach with color RAL classic 7016.

3mm aluminium riveted to snap frame

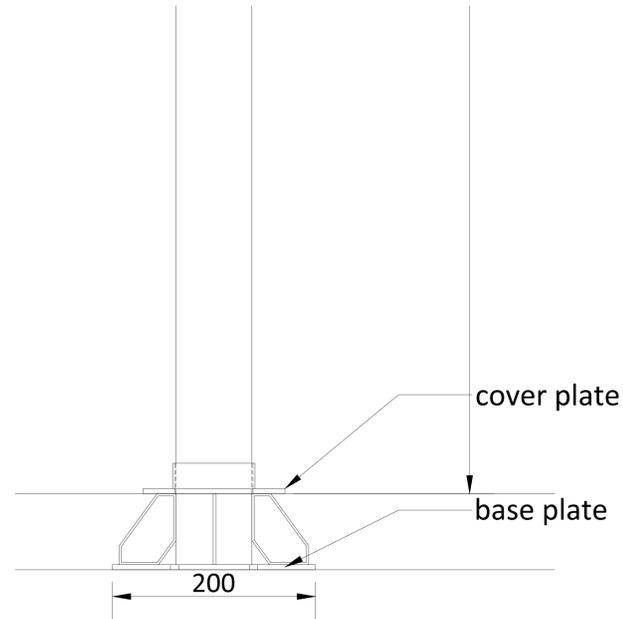
Snap frame of extruded aluminum section of size 30x20 mm powder coated to mach with color RAL classic 7016 .

25x25x3 mm aluminium 'L' section cleat riveted to 'HAT' section in RAL classic 7016

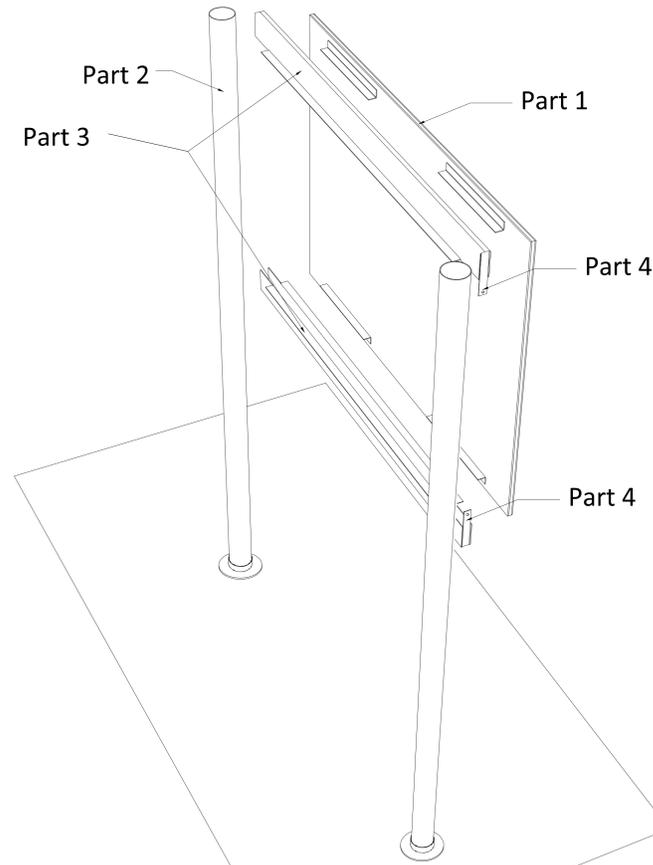
vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate



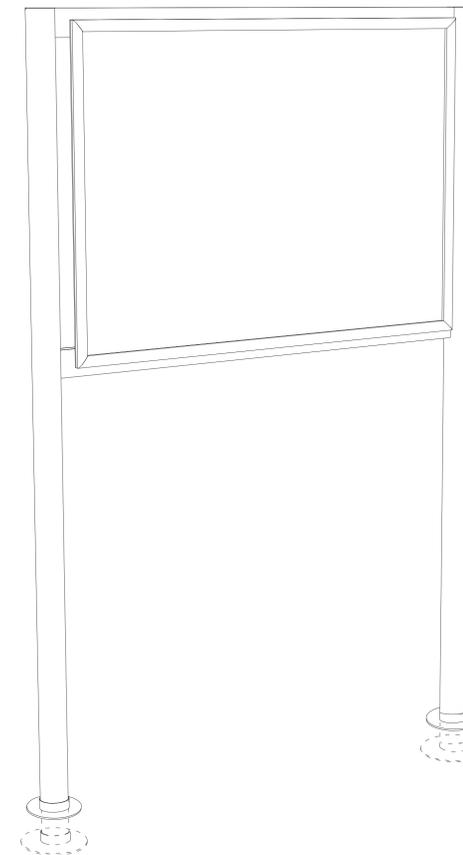
Section AA' and BB'



Footing detail



Exploded View showing single panel



Isometric view

MATERIAL NOTES :

Part 1: Sign panel, 2mm thick power coated aluminum sheet color RAL classic 7016 vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate hold into 30x20mm snap frame aluminum extrusion powder coated in RAL classic 7016.

Part 2: Post, 80 mm dia 5mm thick MS circular hollow section PU painted in RAL classic 7016.

Part 3: Connecting frame, 3mm thick aluminium sheet bend 'U' shape bolted to post. powder coated in RAL classic 7016.

Part 4: Chrome bolt , Bolted to MS pipe 80mm using silicone washer either side

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SCALE: STF DRG.NO: TEKM-T3M3-303.1.4P-02

DATE: 30.12.15 DRAWN BY: Deepak

CE (D&C) REV.NO. A CHECKED BY: PBS



SIGNAGE&GRAPHICS

MATERIAL NOTES :

Part 1: Sign panel, 2mm thick power coated aluminum sheet color RAL classic 7016 vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate hold into 30x20mm snap frame aluminum extrusion powder coated in RAL classic 7016.

Part 2: Post, 80 mm dia 5mm thick MS circular hollow section PU painted in RAL classic 7016.

Part 3: Connecting frame, 3mm thick aluminium sheet bend 'U' shape bolted to post. powder coated in RAL classic 7016.

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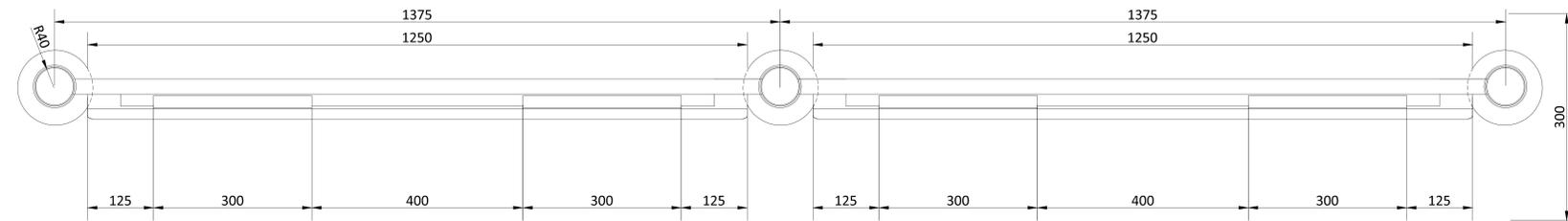
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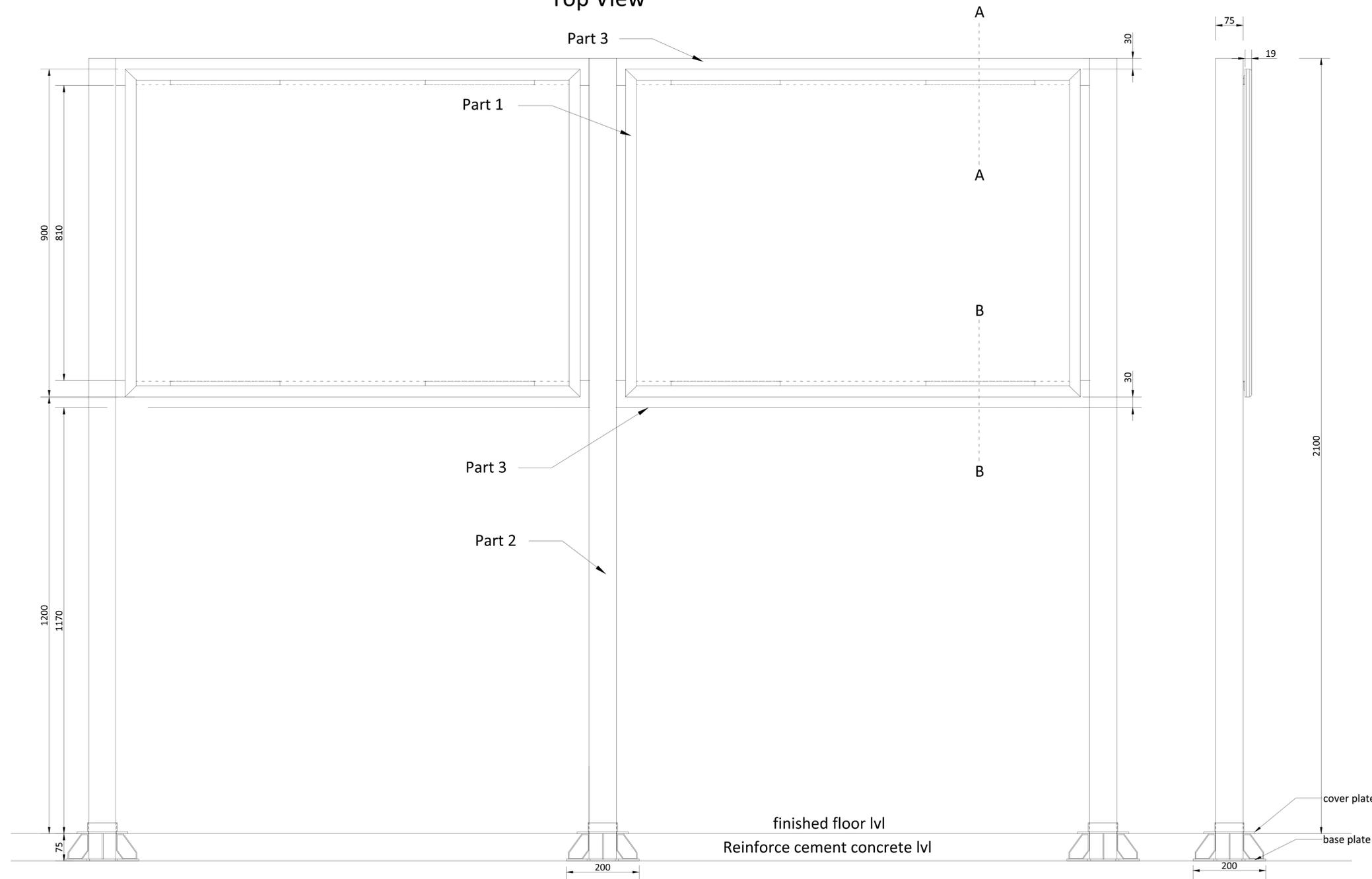
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Top View

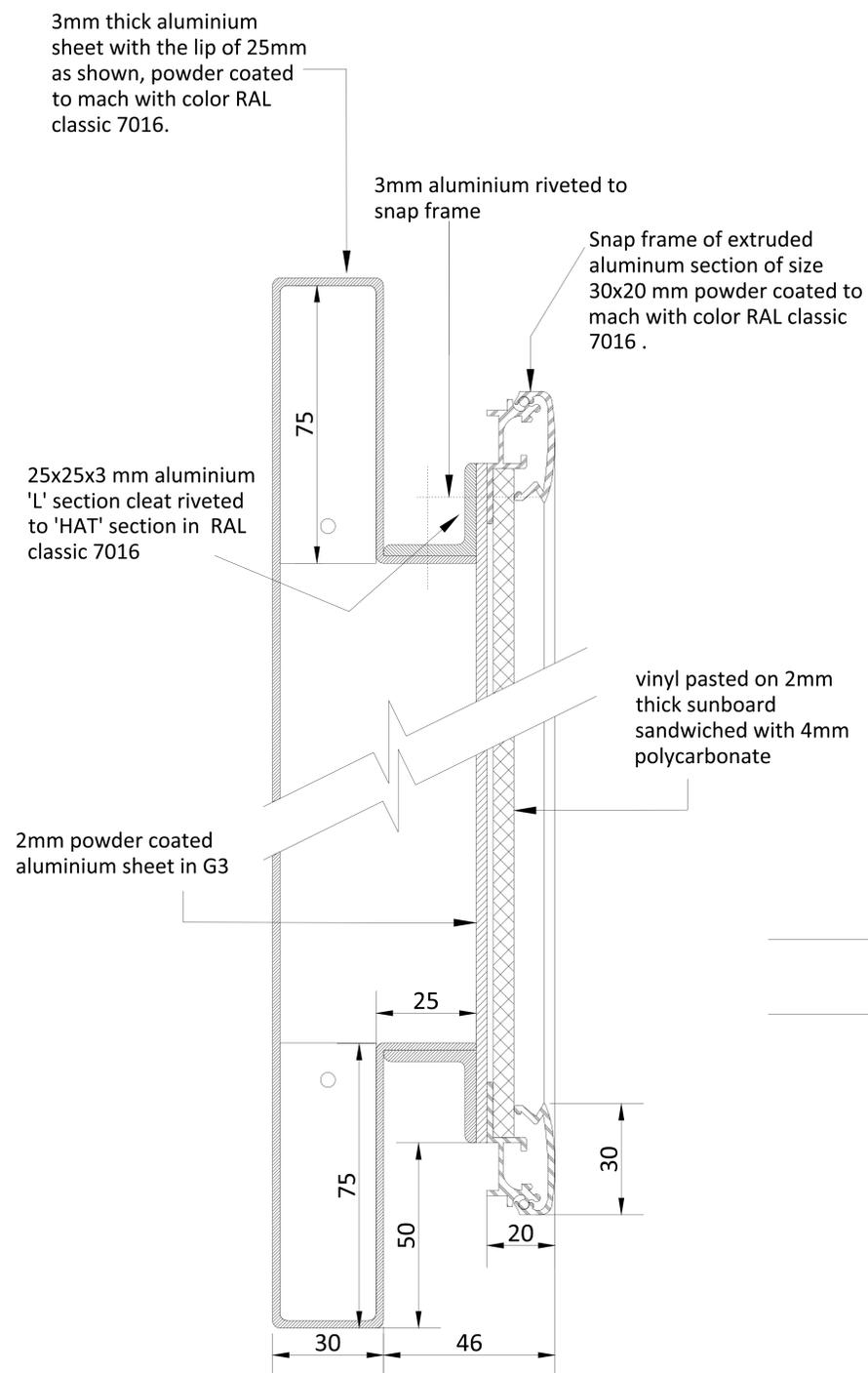


Front

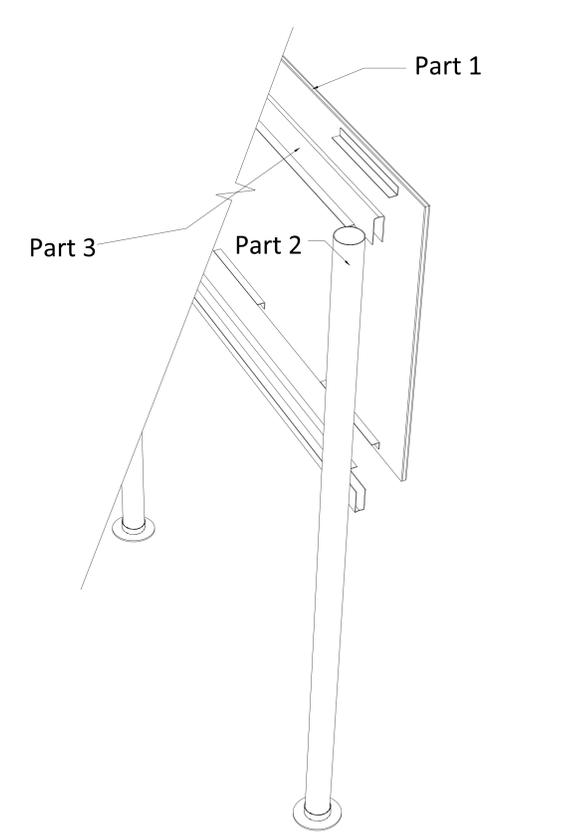
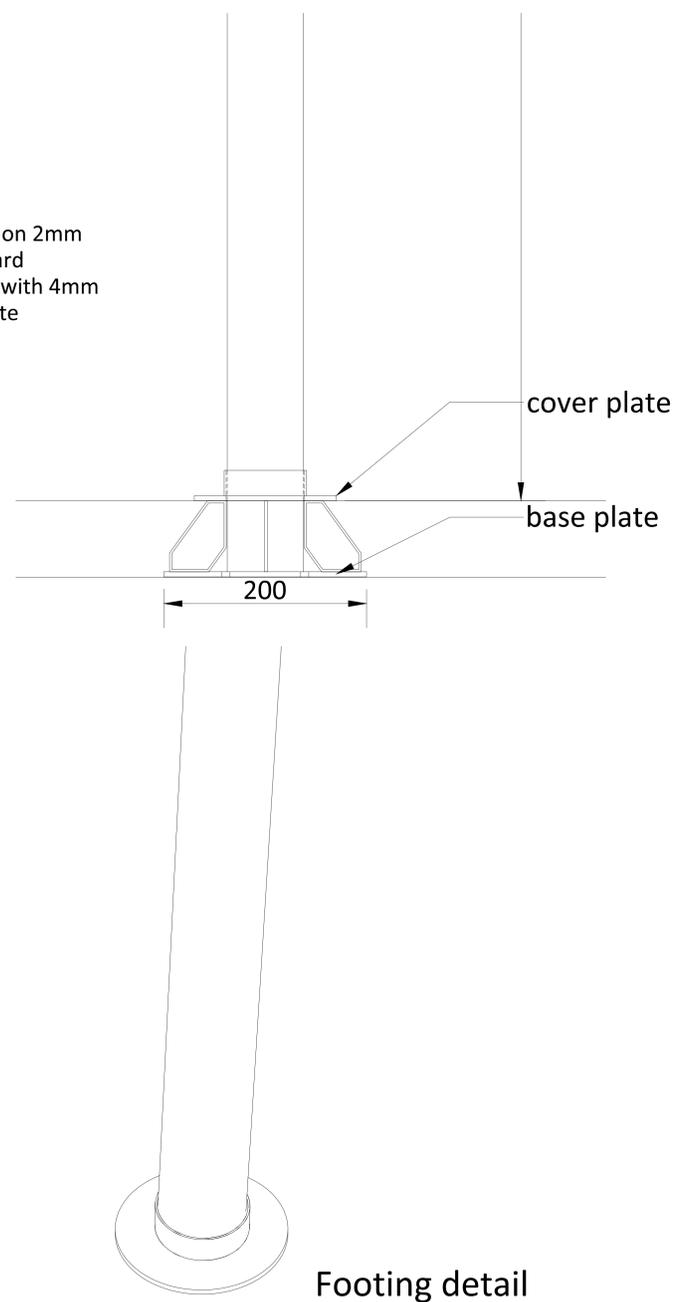
Side

finished floor lvl
Reinforce cement concrete lvl

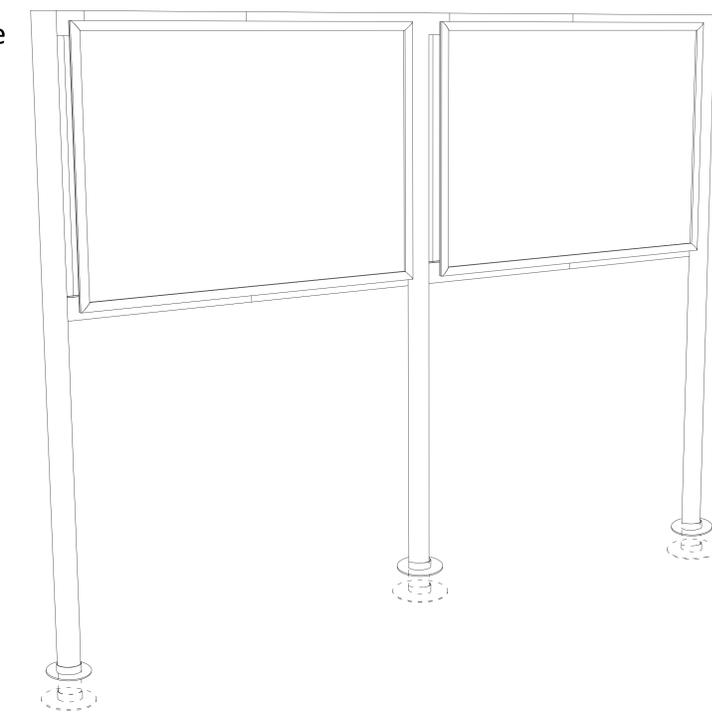
cover plate
base plate



Section AA' and BB'



Exploded View showing single panel



MATERIAL NOTES :

- Part 1:** Sign panel, 2mm thick power coated aluminum sheet color RAL classic 7016 vinyl pasted on 2mm thick sunboard sandwiched with 4mm polycarbonate hold into 30x20mm snap frame aluminum extrusion powder coated in RAL classic 7016.
- Part 2:** Post, 80 mm dia 5mm thick MS circular hollow section PU painted in RAL classic 7016.
- Part 3:** Connecting frame, 3mm thick aluminium sheet bend 'U' shape bolted to post. powder coated in RAL classic 7016.
- Part 4:** Chrome bolt , Bolted to MS pipe 80mm using silicone washer either side

GENERAL NOTES:

- ALL DIMENSIONS ARE IN MM.
- ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
- ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND SIGN SCHEDULE DRAWINGS.
- THIS DRAWING IS THE SOLE PROPERTY OF KMRL. IT SHOULD NOT BE SED/ COPIED/ REPRODUCED IN ANY MANNER WITHOUT THE PRIOR PERMISSION OF KMRL.

REV NO	DATE	DESCRIPTION	SIGN
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SIGNAGE AND GRAPHICS DESIGN CONSULTANT

The responsibility of overall correctness of design and drawings rests with the SGDC. Forwarded for approval and issue of good for construction drawings.

(Name and Designation)
Authorized Signatory for SGDC.

OFFICE OF ORIGIN
TATA ELXSI LIMITED
ITPB ROAD WHITEFIELD,
BANGALORE-560048



APPROVAL BY KMRL	KOCHI METRO RAIL PROJECT		SIGNAGE&GRAPHICS
	KOCHI METRO RAIL LIMITED		
DY CE	SIGN NAME: INFORMATION SIGN , POST MOUNTED		
	STATUS: TENDER (TEKM /TENDER		
CE (D&C)	SCALE: STF	DRG.NO: TEKM-T3M3-303.1.5P-02	
	DATE: 30.12.15	DRAWN BY: Deepak	
	REV.NO. A	CHECKED BY: PBS	

