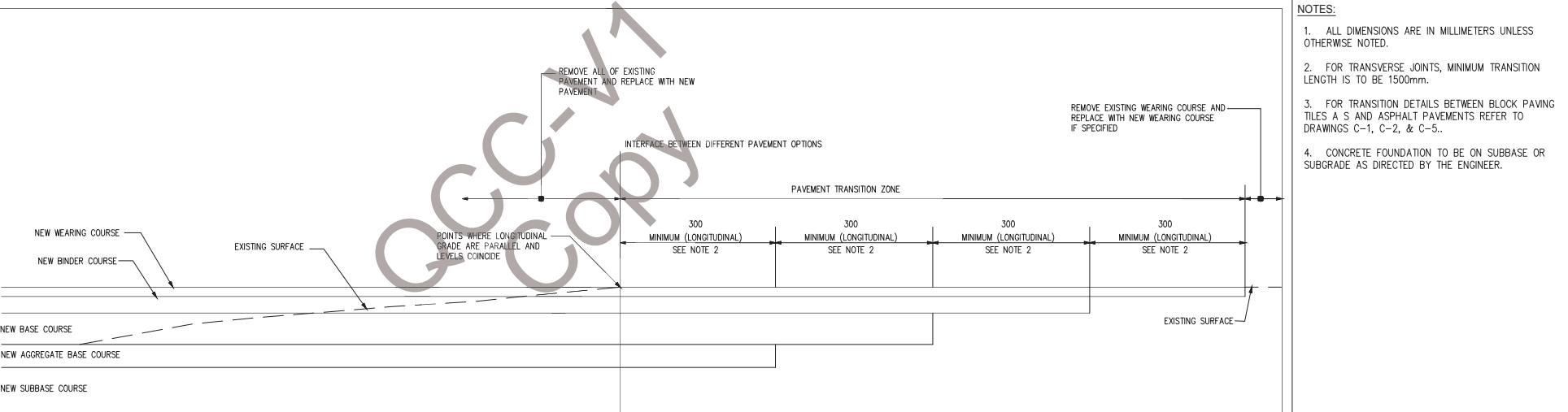
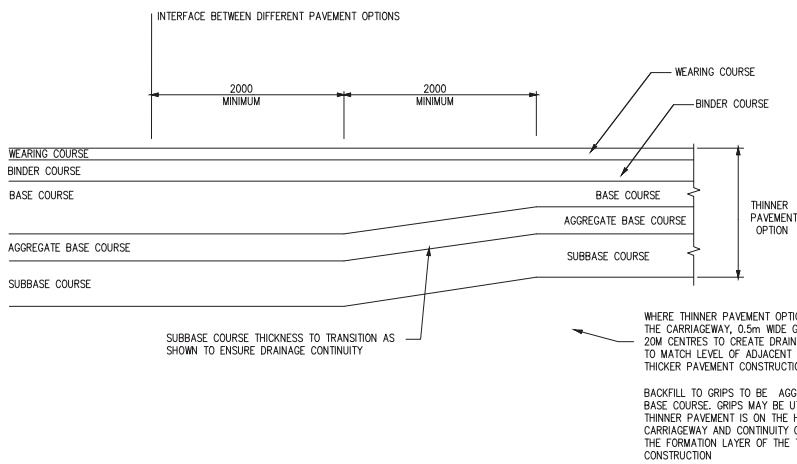


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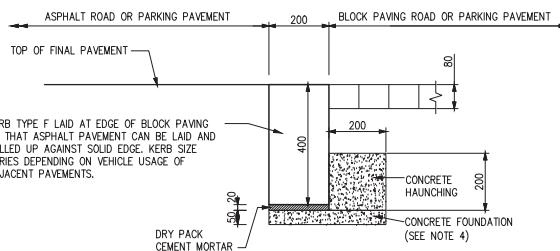
**( 19 SHEETS)**



**DETAIL A**  
**TYPICAL LONGITUDINAL AND TRANSVERSE TRANSITION BETWEEN NEW AND EXISTING PAVEMENTS**  
(NOTE : USE OF A SUITABLE GEOGRID MATERIAL AT STEPPED JOINTS IS PREFERRED, WITH A MINIMUM WIDTH OF 300mm ON BOTH SIDES AS APPLICABLE)



**DETAIL B**  
**TYPICAL LONGITUDINAL TRANSITION BETWEEN DIFFERENT PAVEMENT OPTIONS**



**TRANSITION CONNECTION BETWEEN ASPHALT PAVEMENT  
AND INTERLOCKING TILES PAVEMENT**

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
  - FOR TRANSVERSE JOINTS, MINIMUM TRANSITION LENGTH IS TO BE 1500mm.
  - FOR TRANSITION DETAILS BETWEEN BLOCK PAVING TILES & ASPHALT PAVEMENTS REFER TO DRAWINGS C-1, C-2, & C-5.
  - CONCRETE FOUNDATION TO BE ON SUBBASE OR SUBGRADE AS DIRECTED BY THE ENGINEER.

1	-	-	-
0	-	-	-
No.	REVISIONS	APP'D	DATE

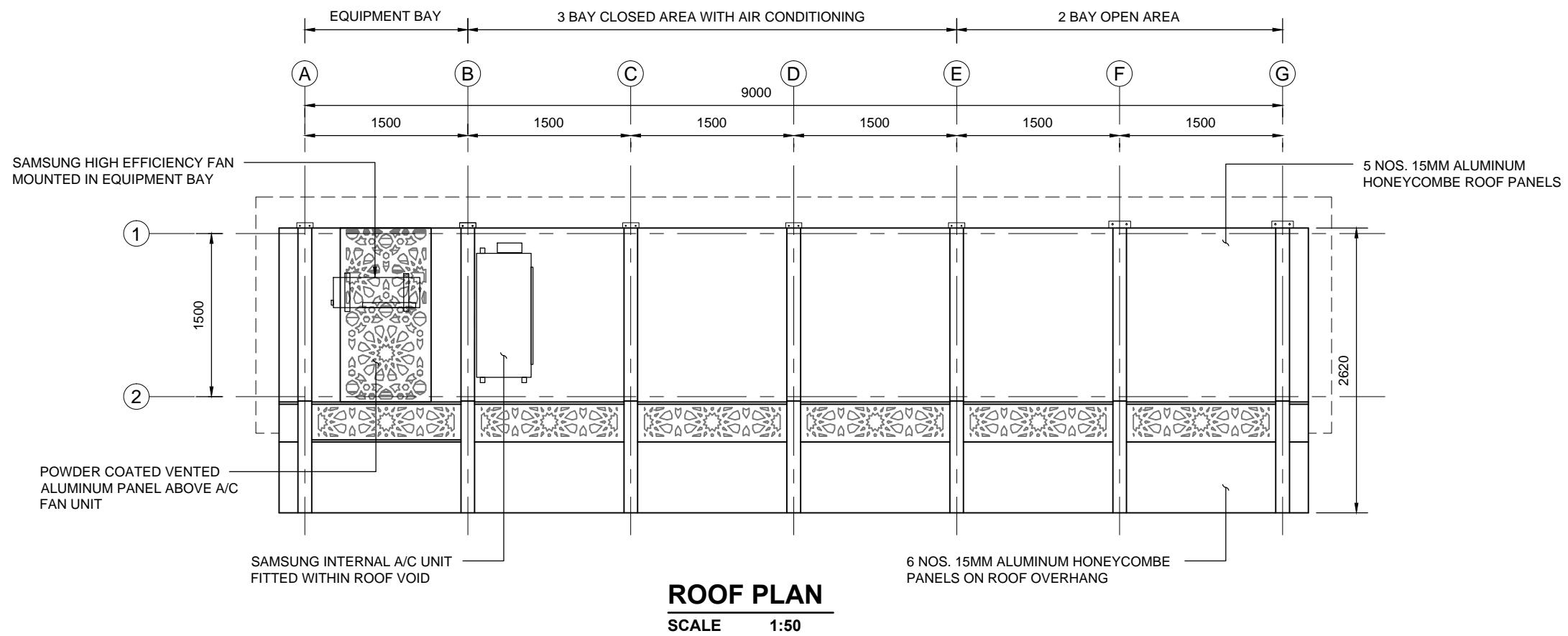
CLIENT

**TITLE**  
**STANDARD DRAWINGS**

DRAWING TITLE

ROADWAY DETAILS  
PAVEMENT SECTION (SHEET 2 OF 3)

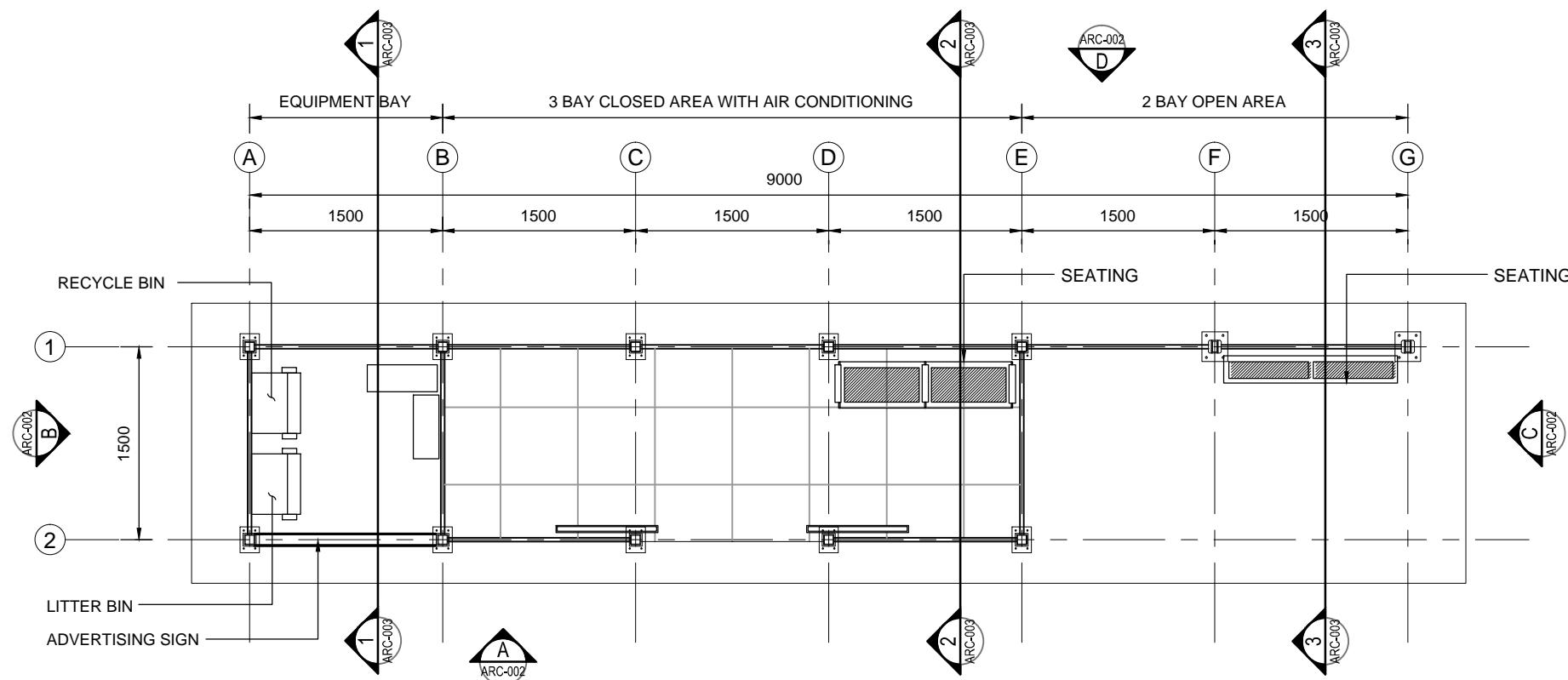
DRAWN	SCALE	AS SHOWN
CHECKED	DATE	
APPROVED	SIZE	A1
PROJECT No.	DWG. No.	C-6



## **ROOF PLAN**

---

SCALE 1:50



## **GROUND FLOOR PLAN**

SCALE 1:50

	Rev	App. Status	Date	Description	By	Chk	Ap
	01		21.06.2015	FOR REFERENCE	AK	MNK	-



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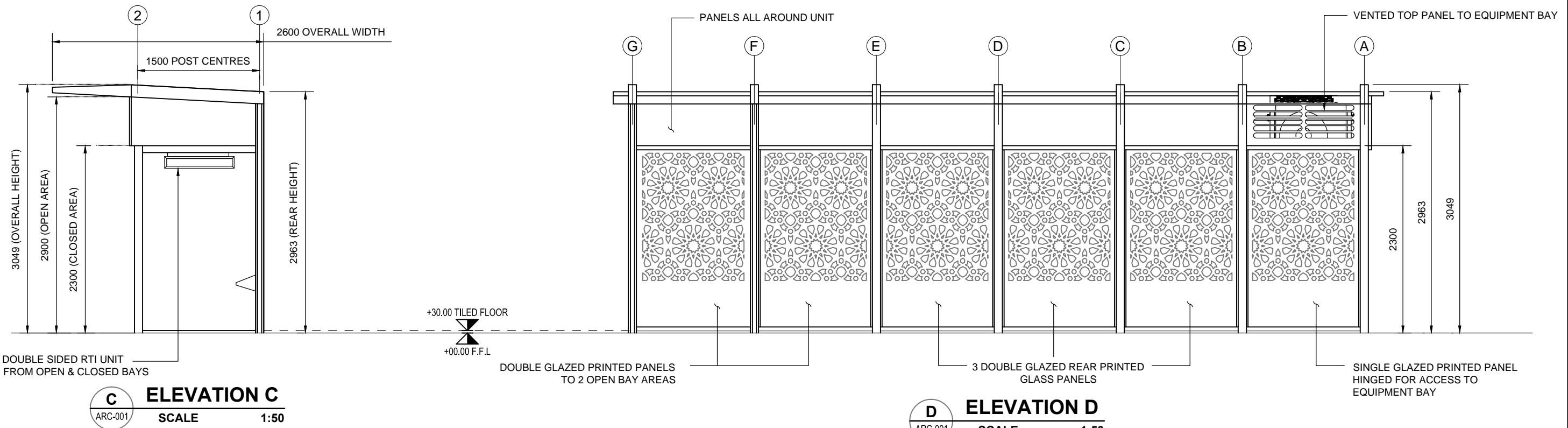
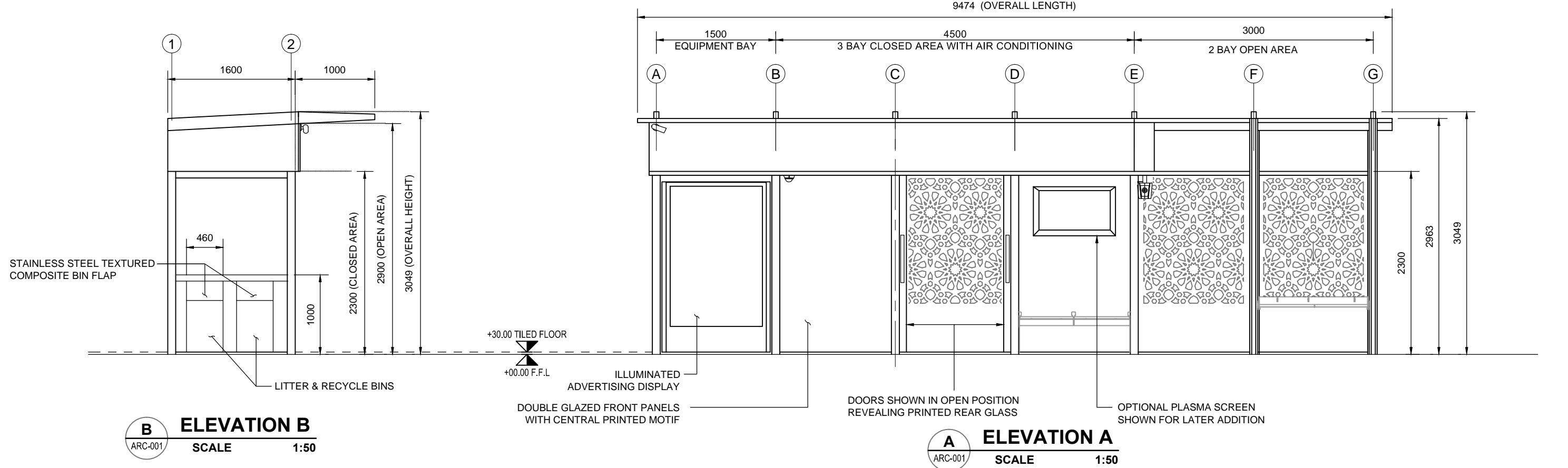
Title

AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
PLANS

**Drawing Number**

ARC-001

<b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:	-	
Date	Scale at A3	Revision
21.06.15	1:50	01



## Notes

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		21.06.2015	FOR REFERENCE	AK	MNK	-

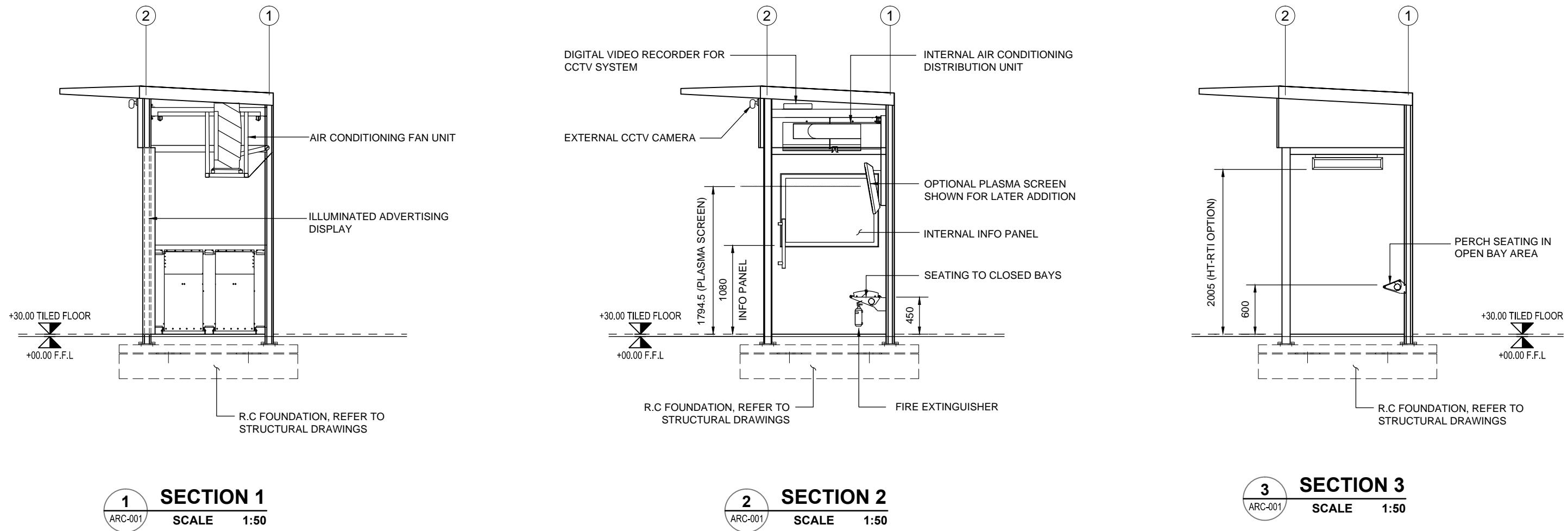


Drawing Status: FOR INFORMATION		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:	-	
Date	Scale at A3	Revision
21.06.15	1:50	01

Title: AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
ELEVATIONS

Drawing Number: ARC-002

File Name: ARC-001-003.dwg



Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.



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Title

# AIR CONDITIONED BUS SHELTERS

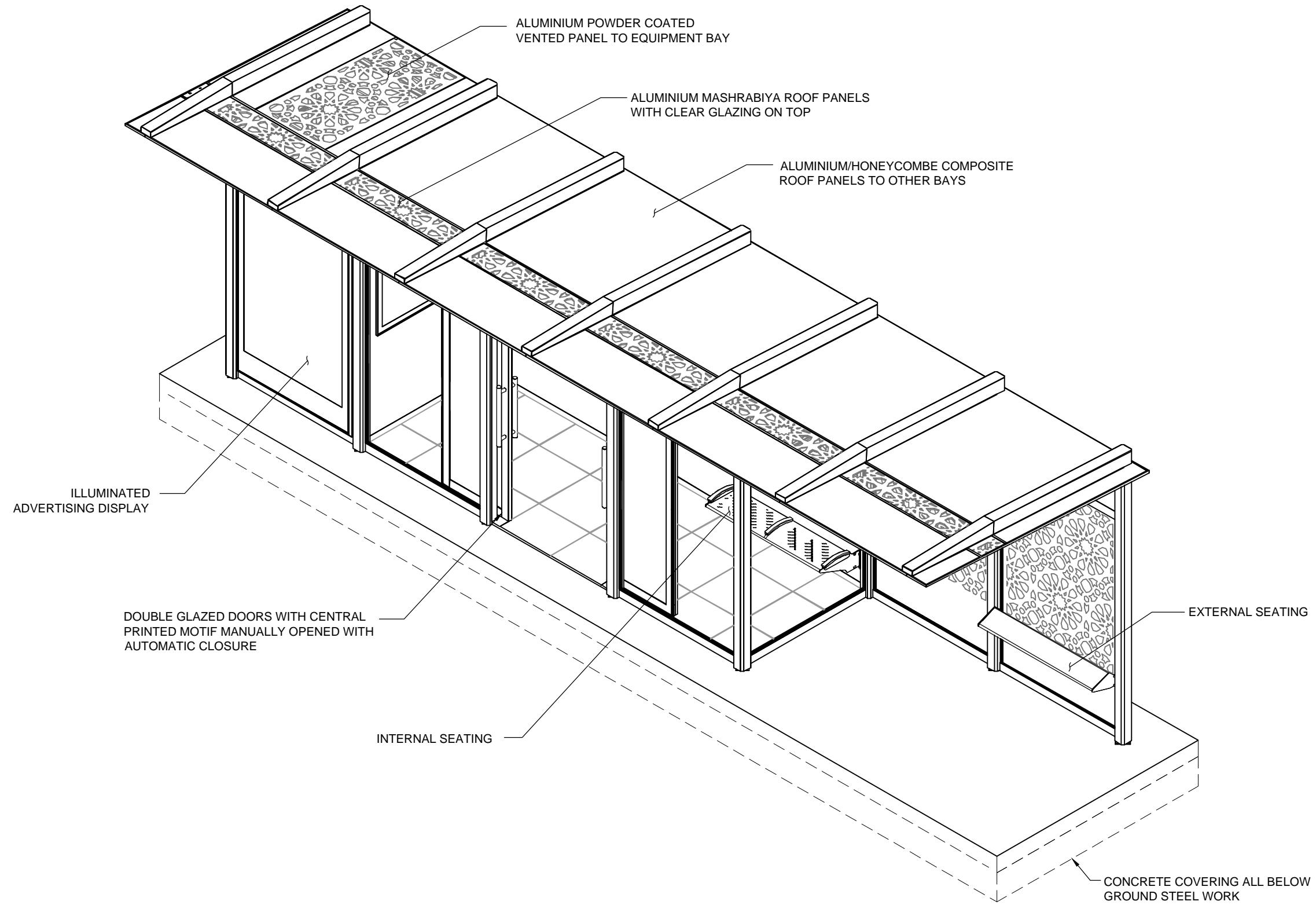
## BUS SHELTER TYPE B321

### SECTIONS

umber:

ARC-003

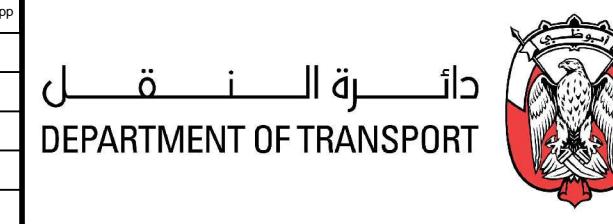
<b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:	-	
Date	Scale at A3	Revision
21.06.15	1:50	01



## Notes

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Rev	App. Status	Date	Description	By	Chk	App
01		21.06.2015	FOR REFERENCE	AK	MNK	-



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## Title

AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
ISOMETRIC VIEW

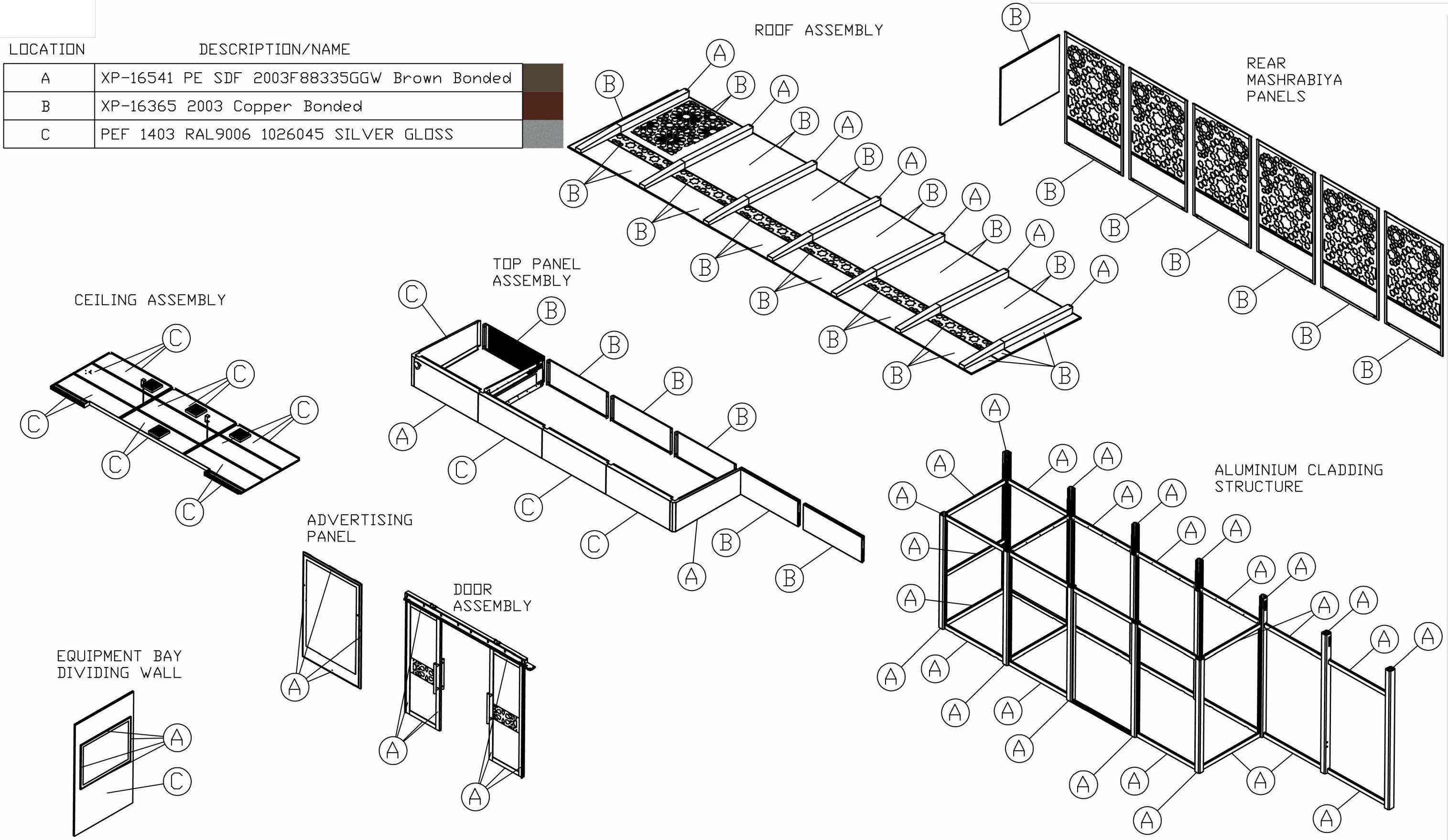
Drawing Number:

ARC-004

Drawing Status:  
**FOR INFORMATION**

Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:	-	

Date 21.06.15 Scale at A3 NTS Revision 01



Updated By : ANITHA KANAKAMMA -27/6/2015 - 10:38AM

Printed By : ANITHA KANAKAMMA -27/6/2015 - 10:39AM

Notes

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Rev	App. Status	Date	Description	By	Chk	App
01		21.06.2015	FOR REFERENCE	AK	MNK	-



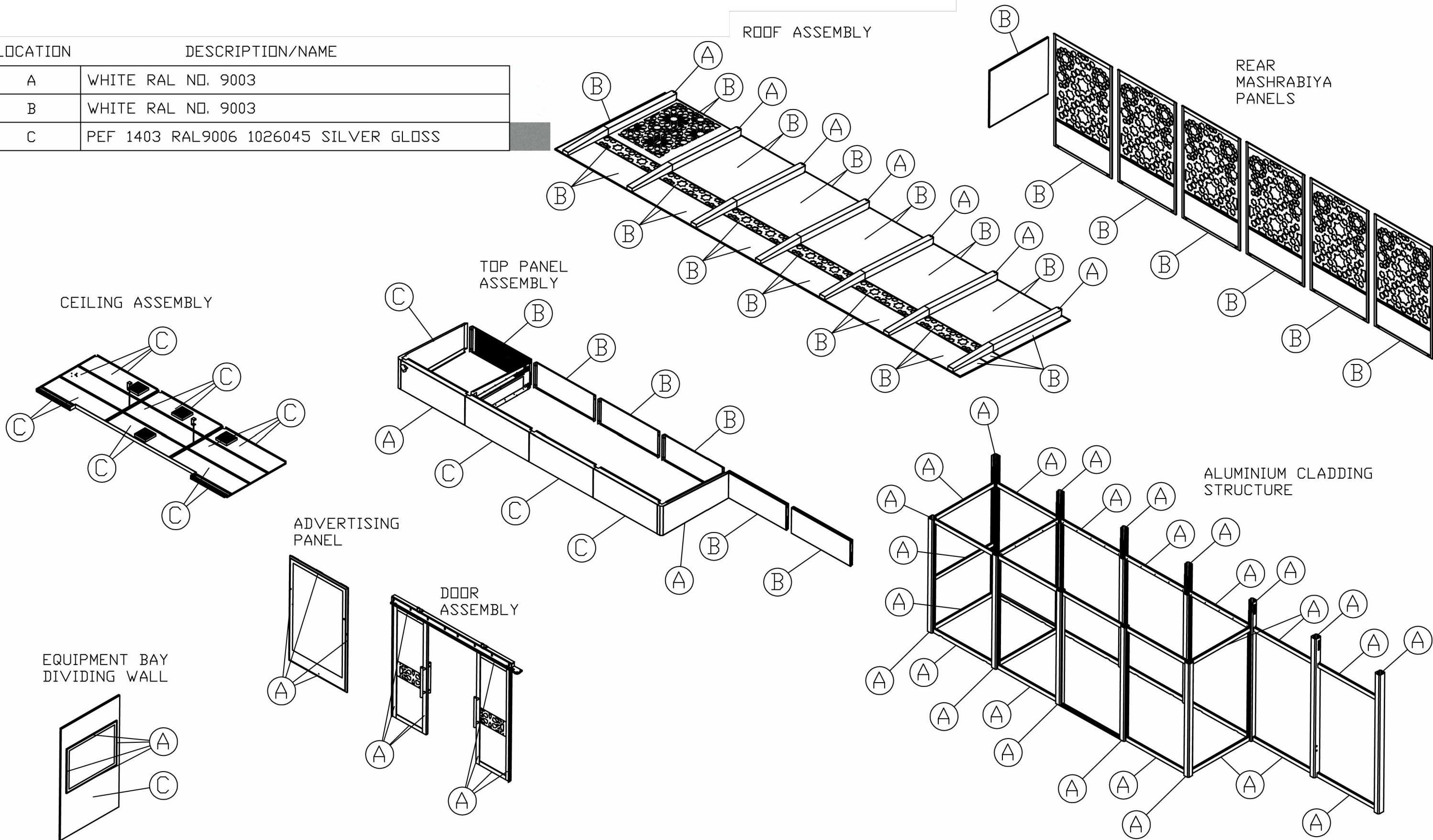
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Title			Drawing Status:		
AIR CONDITIONED BUS SHELTERS BUS SHELTER TYPE B321 COPPER COLOUR MAP			FOR INFORMATION		
Drawn:	AK		Designed:	MNK	
Checked:	MNK		Approved:	-	
Date	21.06.15	Scale at A3	NTS	Revision	01
Drawing Number:			ARC-005		

LOCATION	DESCRIPTION/NAME
A	WHITE RAL NO. 9003
B	WHITE RAL NO. 9003
C	PEF 1403 RAL9006 1026045 SILVER GLOSS

Updated By : ANJITHA.NAKAMMA - 21/6/2013 - 10:43 AM

Printed By : ANTI H. KANAKAMMA - ZI/8/2013 - 10:30AM



Notes

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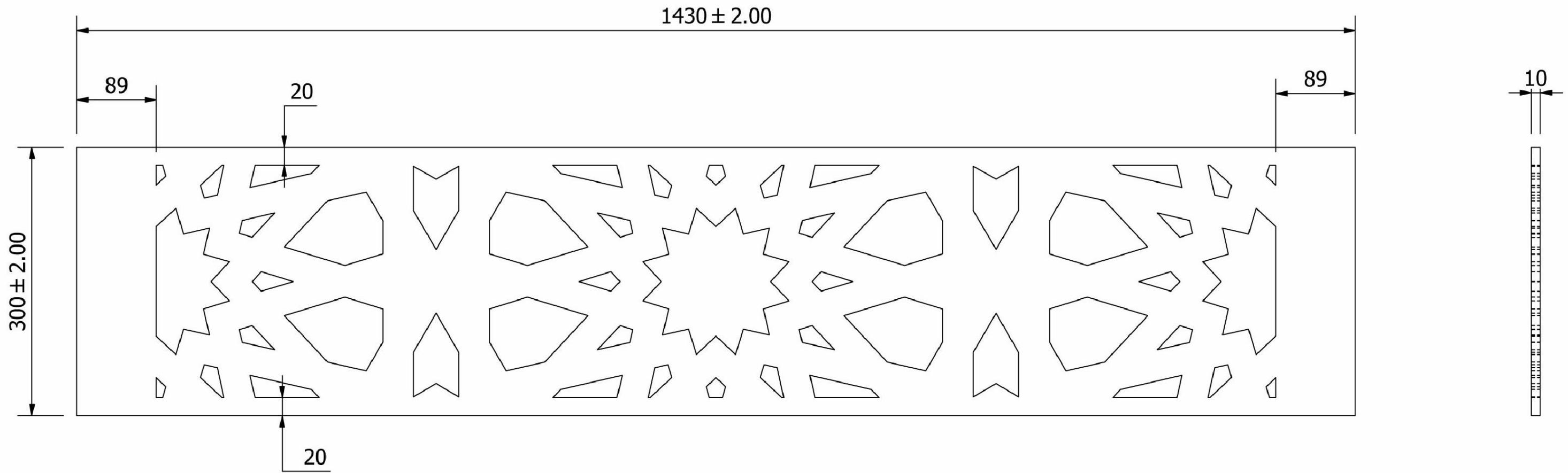
**AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
WHITE COLOUR MAP**

**Number:**

ARC-006

<b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:	-	
Date 21.06.15	Scale at A3 NTS	Revision 01





## Notes

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Rev	App. Status	Date	Description	By	Chk	App
01		21.06.2015	FOR REFERENCE	AK	MNK	-



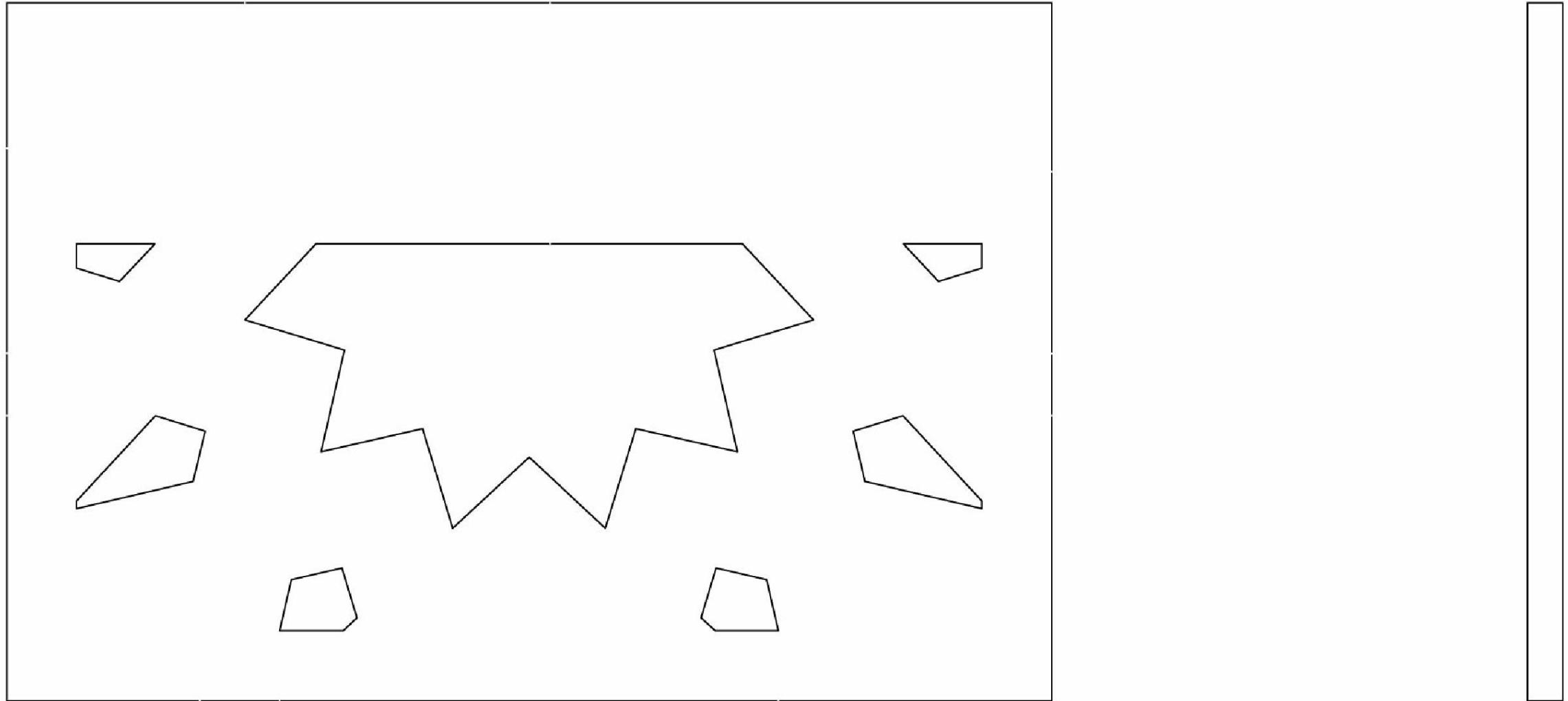
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Drawing Status: FOR INFORMATION		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:	-	
Date	Scale at A3	Revision
21.06.15	NTS	01

AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
MASHRABIYA ROOF PANEL

Drawing Number:

ARC-008



Not

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1

AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
MASHRABIYA ROOF END PANEL

Drawing Number

ARC-009

Drawing Status:  
**FOR INFORMATION**

Drawn: AK

Designed: MNK

Checked: MNK

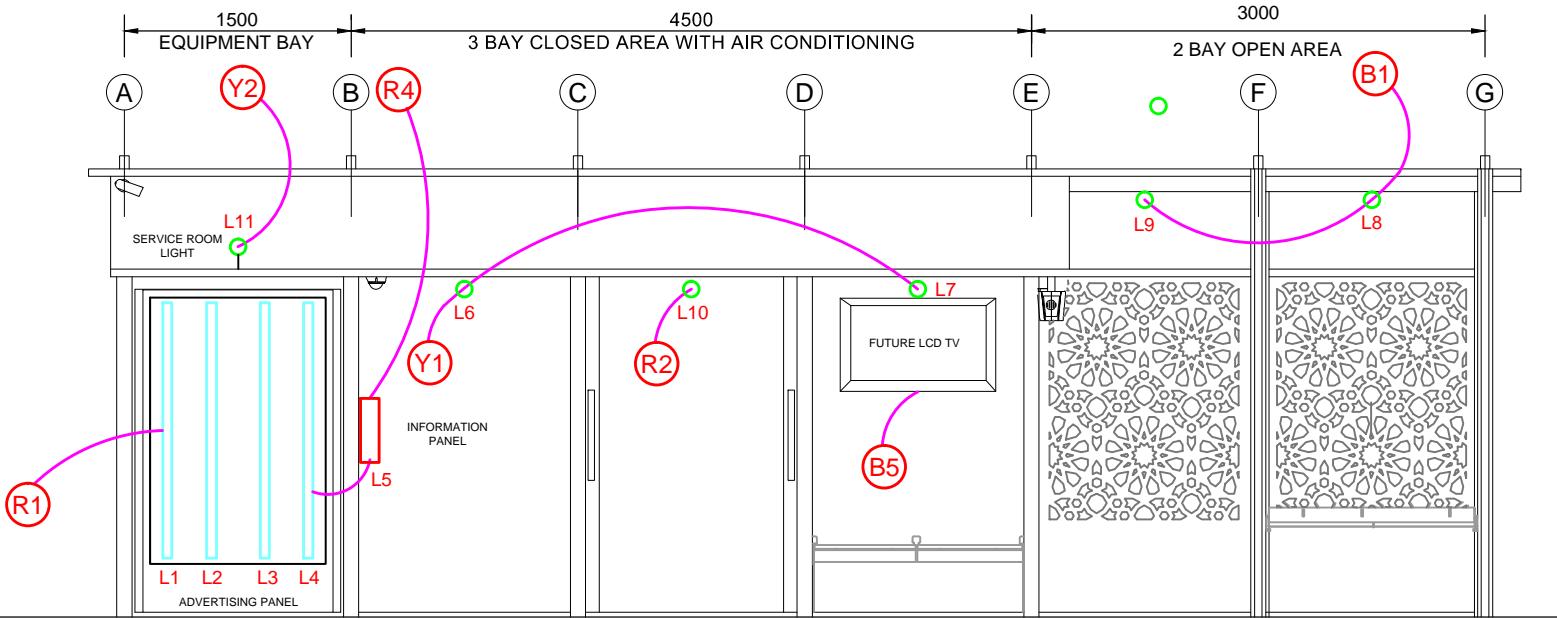
Approved: -

Date	Scale at A3	Revision
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21.06.15 | NTS | 01

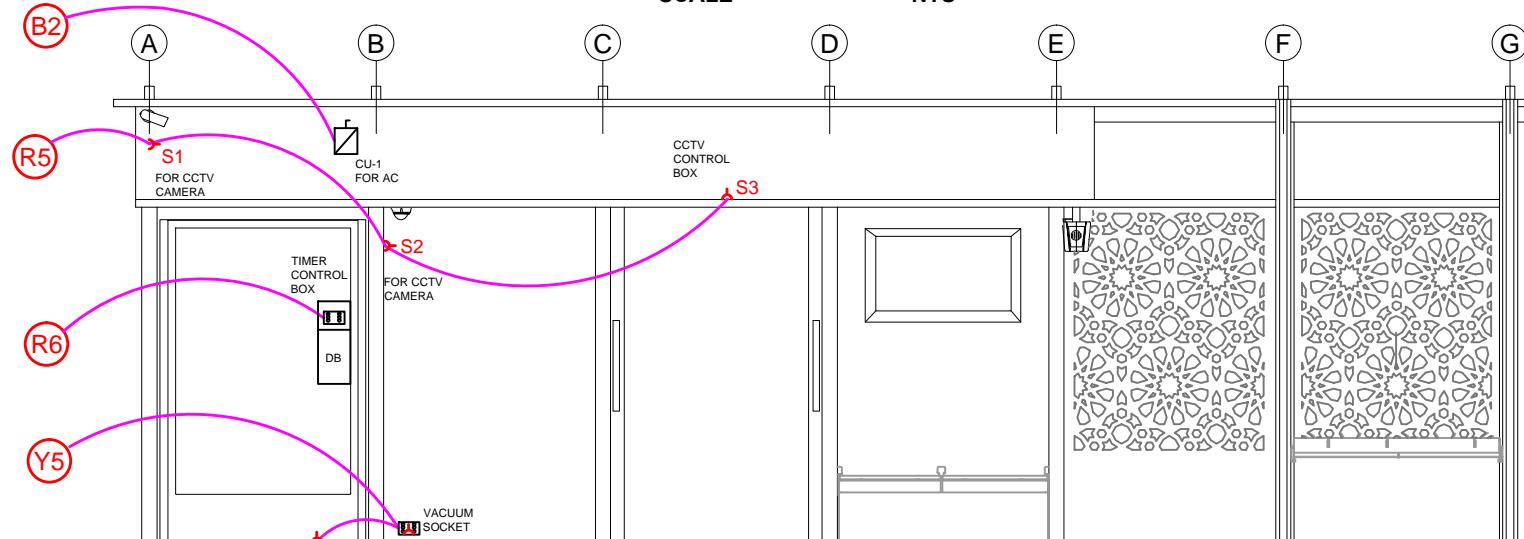
## LOAD DISTRIBUTION SCHEDULE E-SERIES SHELTER

06 WAY 40A TP ISOLATOR MAIN						CABLE SIZE : 4C, 16mm <sup>2</sup> XLPE/SWA/PVC+1C, 10mm <sup>2</sup> ECC						
RATING OF INCOMER	RATING OF RCD	CKT REF	MCCB RAT	WIRE SIZE mm <sup>2</sup>	EARTH mm <sup>2</sup>	POINT REFERENCE	NO. OF POINTS	WATT PER POINTS	PHASE LOAD IN KW			REMARKS
									R	Y	B	
40A TP ISOLATOR	40A 4P 100mA	R1	10	2.5	1.5	L1-L4 - ADVERTISING	05	100	0.50			TIMER+CONTRACTOR
		Y1	10	2.5	1.5	L6-L7 - INTERNAL LIGHT	02	100		0.20		TIMER+CONTRACTOR
		B1	10	2.5	1.5	L8-L9 - OPEN BAY LIGHT	02	100			2.20	TIMER+CONTRACTOR
		R2	10	2.5	1.5	L10 - INTERNAL LIGHT	01	100	0.10			TIMER+CONTRACTOR
		Y2	10	2.5	1.5	L11 - SERVICE	01	100		0.10		NO TIMER
		B2	32	6.0	4.0	CU-1 FOR A/C	01	3300			3.30	TIMER+CONTRACTOR
		R3	20	4.0	2.5	FUTURE LOAD	01	800	0.80			
		Y3	20	4.0	2.5	FUTURE TVM MACHINE	01	2200		2.20		
		B3	20			SPARE						
		R4	10	2.5	1.5	L5 - INFORMATION PANEL	01	100	0.10			
	40A 4P 30mA	Y4	10			SPARE						
		B4	10			SPARE						
		SECTION LOAD = 7.40KW						1.40	2.50	3.50		
		R5	32	4.0	2.5	S1-S3 (Ring) DVR/CAMERA+CAMERA (OUT)	0d+3s	200/1000	1.40			NO TIMER
40A TP ISOLATOR	40A 4P 30mA	Y5	32	4.0	2.5	VACUUM SOCKET + SER. ROOM	0d+2s	200/1000		1.20		NO TIMER
		B5	20	4.0	2.5	FUTURE LCD + RTPI	01	800			0.80	
		R6	20	4.0	2.5	SOCKET FOR TIMER CONTROL	01	1000	1.00			
		Y6	20	4.0	2.5	FUTURE LOAD	01	500		0.50		
		B6	10			SPARE						
		SECTION LOAD = 4.90 KW						2.40	1.70	0.80		
		TOTAL PHASE LOAD						3.80	4.20	4.30		
		SECTION LOAD = 12.30 KW										

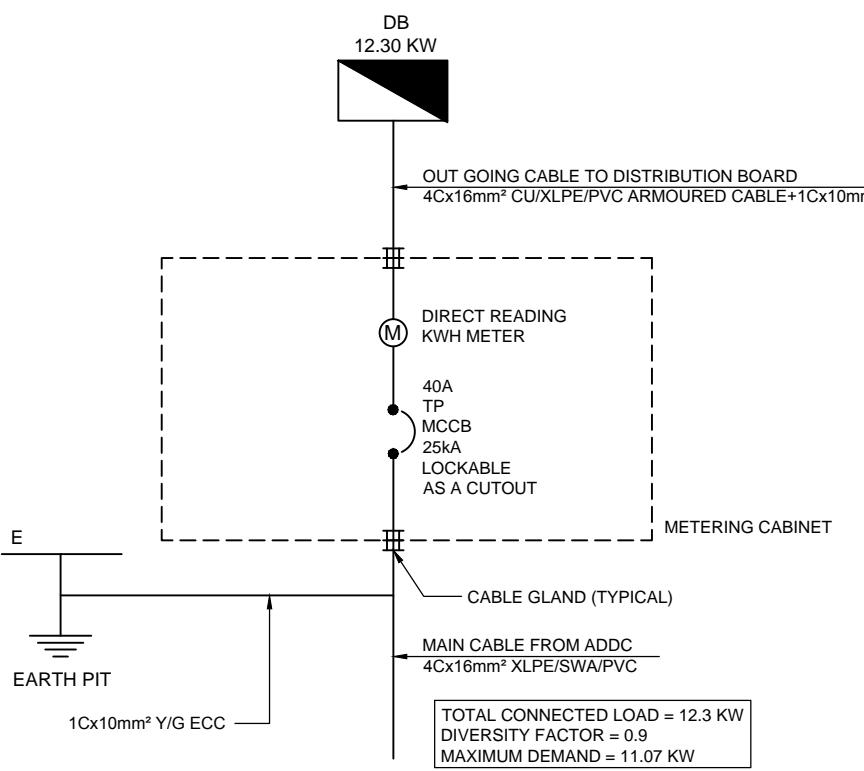


## LIGHTING LAYOUT

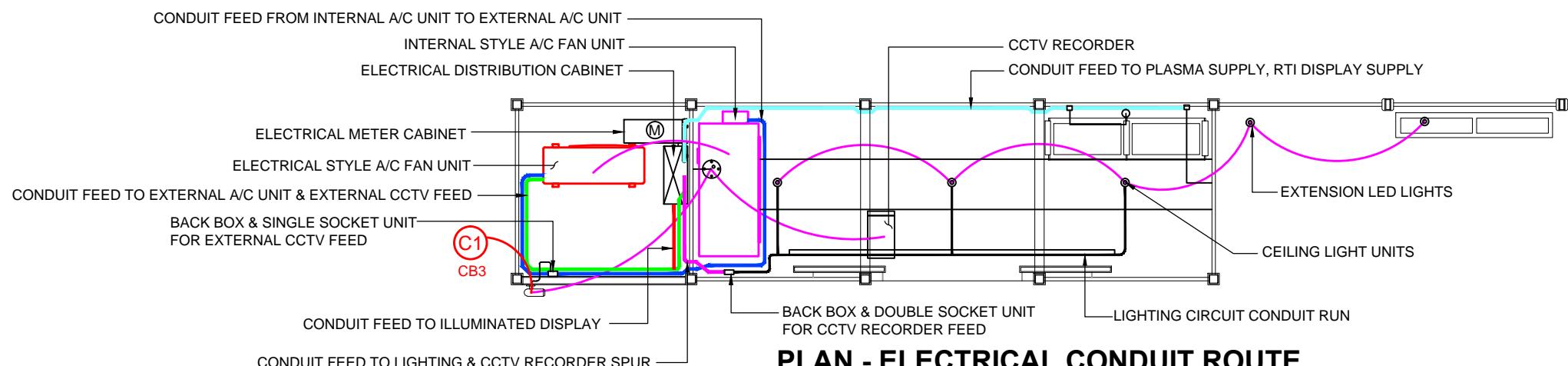
SCALE NTS



## LOAD DISTRIBUTION SCHEDULE



## SINGLE LINE DIAGRAM



## PLAN - ELECTRICAL CONDUIT ROUTE

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		18.10.2015	FOR REFERENCE	AK	MNK	

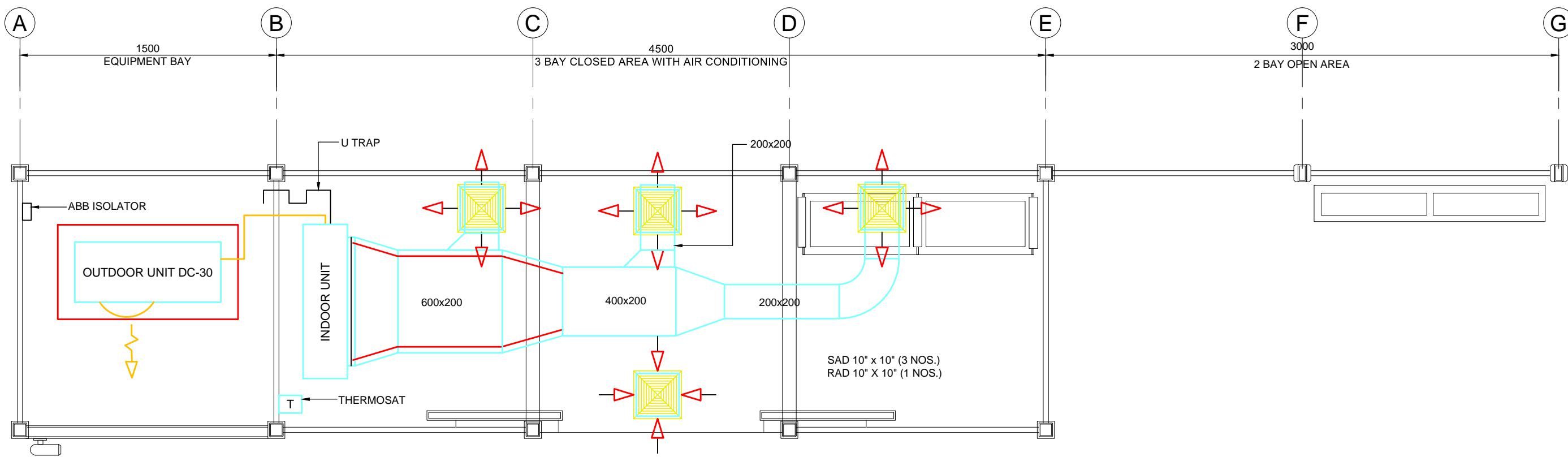


AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
ELECTRICAL SUPPLY DETAILS

Drawing Number:

MEP-001

Drawing Status: FOR INFORMATION		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		
Date	Scale at A3	Revision
18.10.15	1:50	01



**A/C DUCTING LAYOUT**

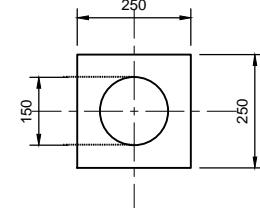
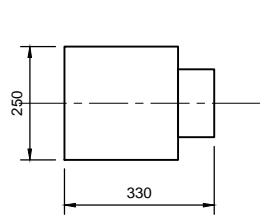
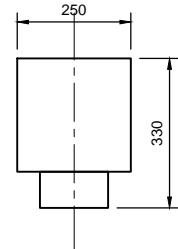
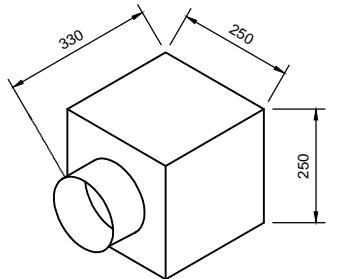
LEGEND:

DUCTING (ISOAFS ALU-70 Insulated Flex)

SAD SUPPLY AIR DIFFUSER

RAD RETURN AIR DIFFUSER

A/C CEILING PLENUM BOX (GALVANIZED WITH 1 SPIGOT)



**CEILING PLENUM BOX**

Notes  
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		18.10.2015	FOR REFERENCE	AK	MNK	



Title

AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
AIR CONDITION INSTALLATION

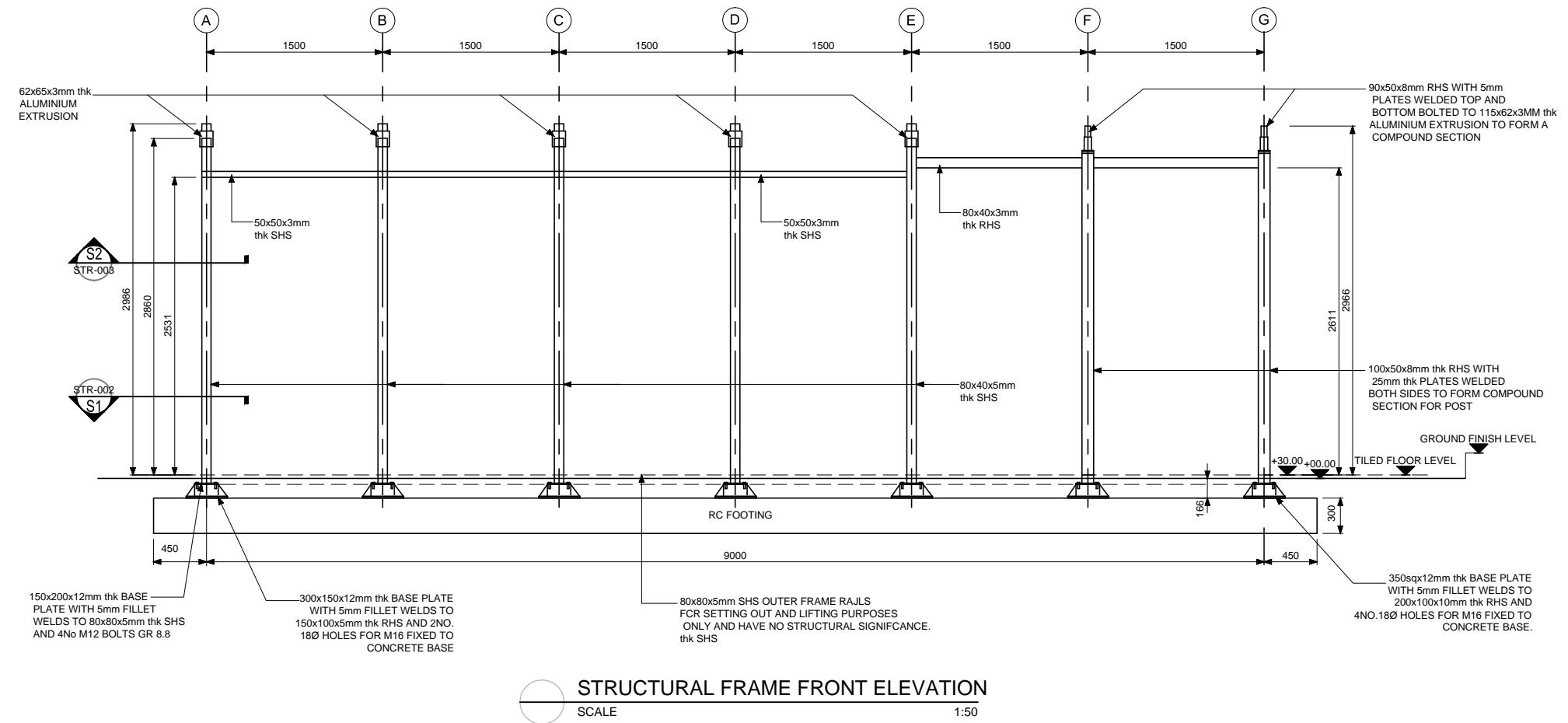
Drawing Number:

MEP-002

Drawing Status:  
**FOR INFORMATION**

Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		

Date 18.10.15 Scale at A3 NTS Revision 01



STRUCTURAL FRAME FRONT ELEVATION  
SCALE 1:50

## Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		18.10.2015	FOR REFERENCE	AK	MNK	

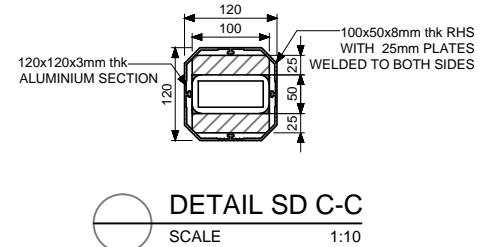
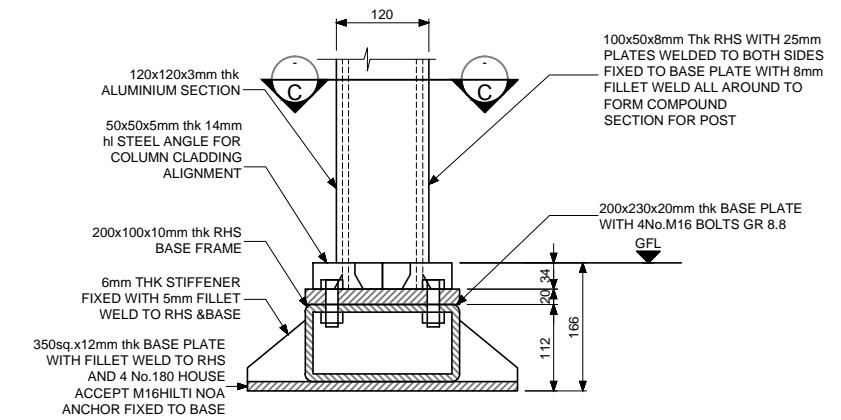
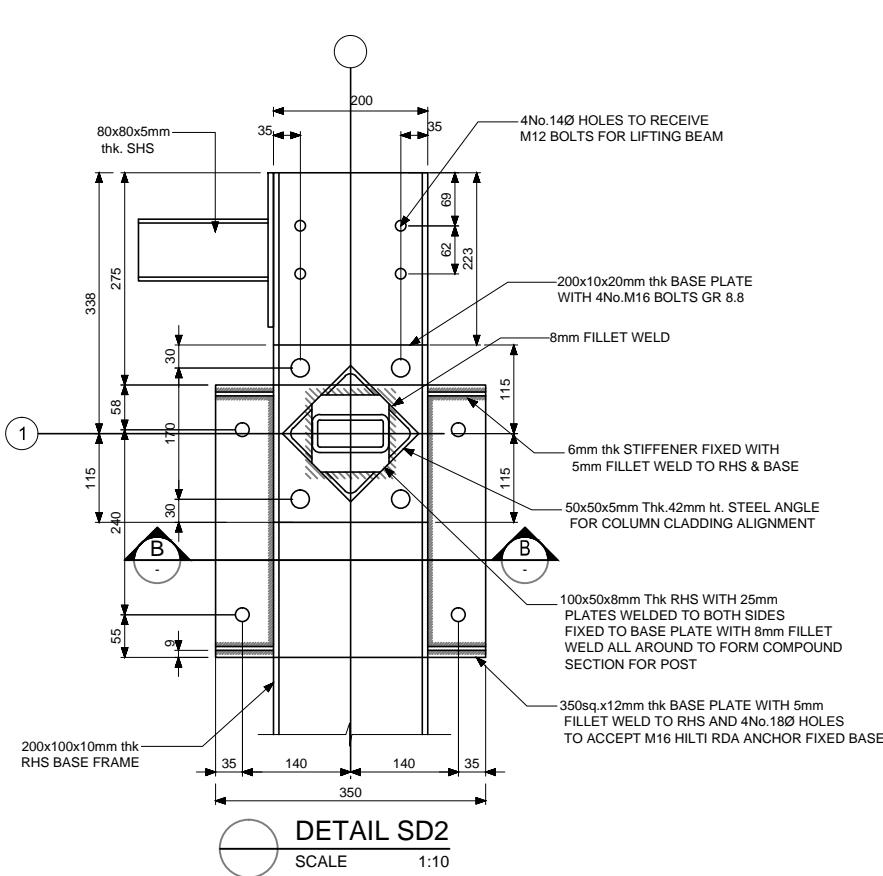
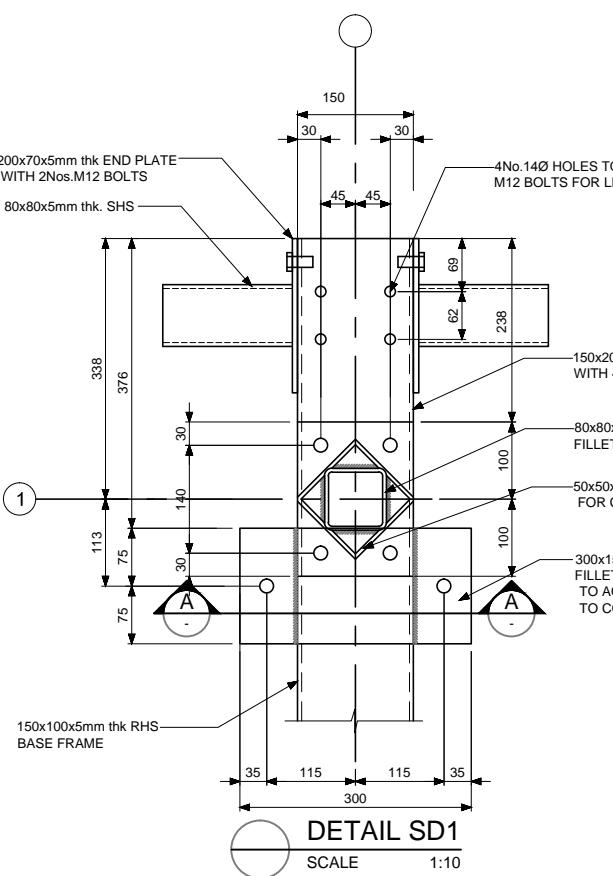
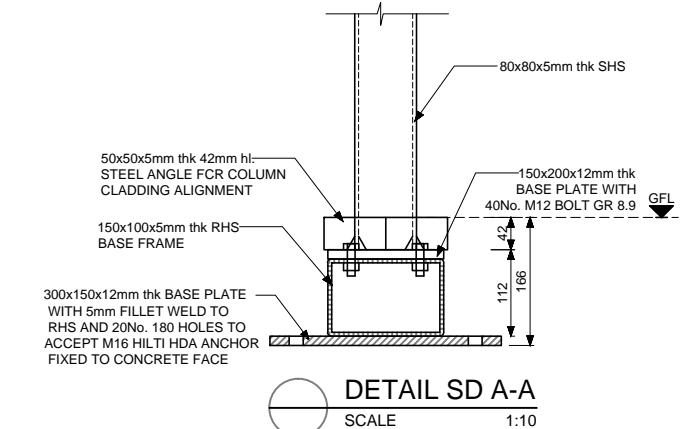
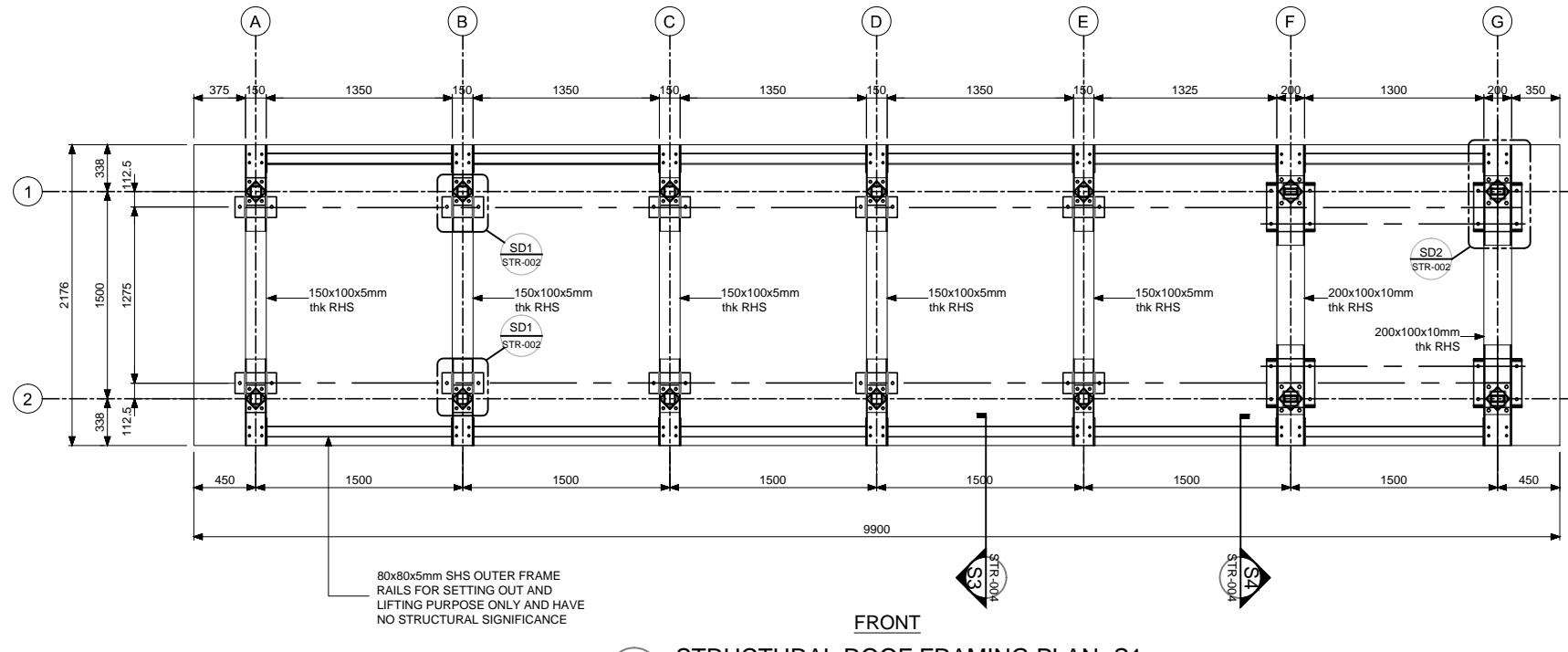


Title  
AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
STRUCTURAL FRAME DETAILS, SHEET 1

Drawing Number:

STR-001

Drawing Status: <b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		
Date	Scale at A3	Revision
18.10.15	1:50	01



Notes

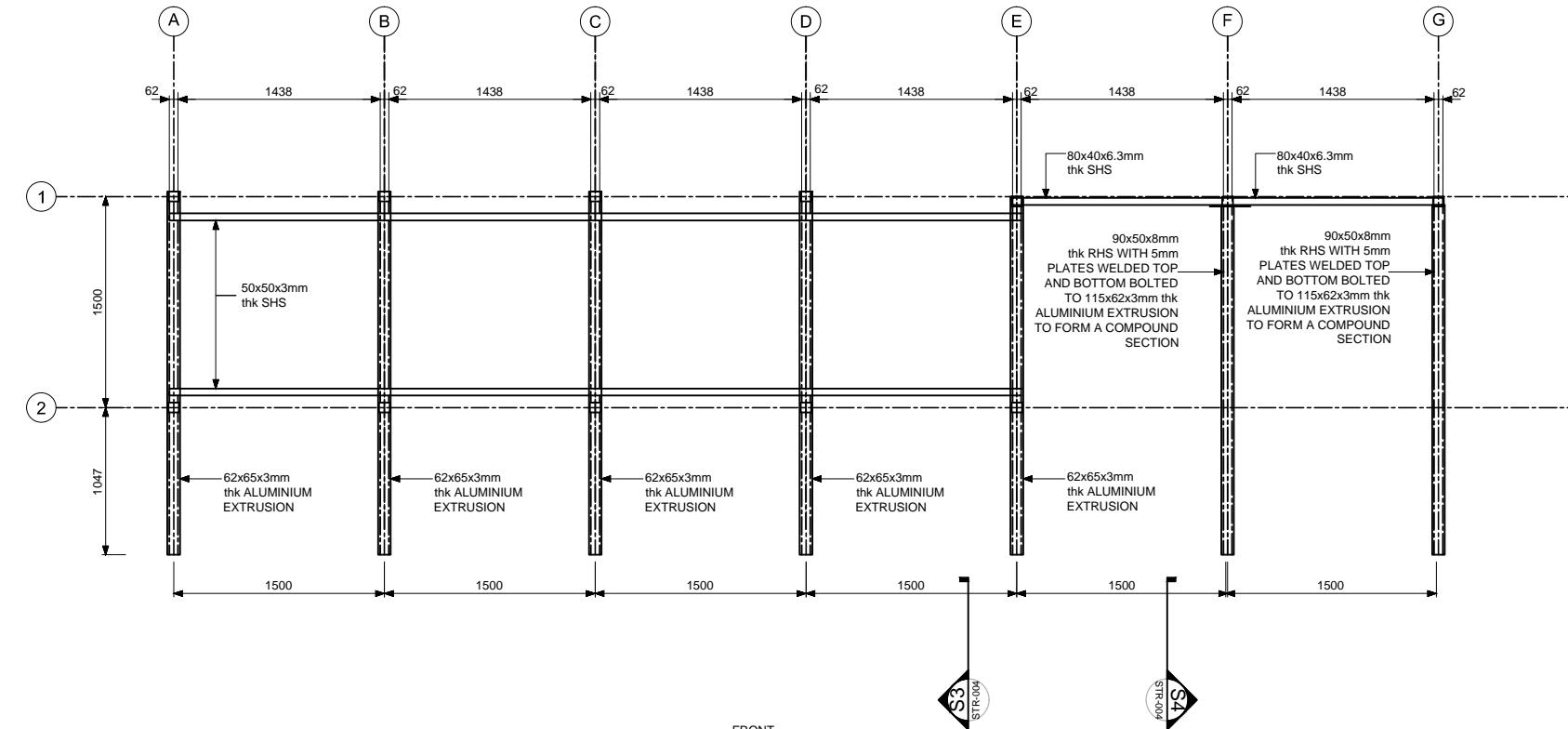
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		18.10.2015	FOR REFERENCE	AK	MNK	



Title  
**AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
STRUCTURAL FRAME DETAILS, SHEET 2**

Drawing Status: <b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		
Date	Scale at A3	Revision
18.10.15	1:50	01



STRUCTURAL ROOF FRAMING PLAN -S2

SCALE

1:50

## Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		18.10.2015	FOR REFERENCE	AK	MNK	



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## Title

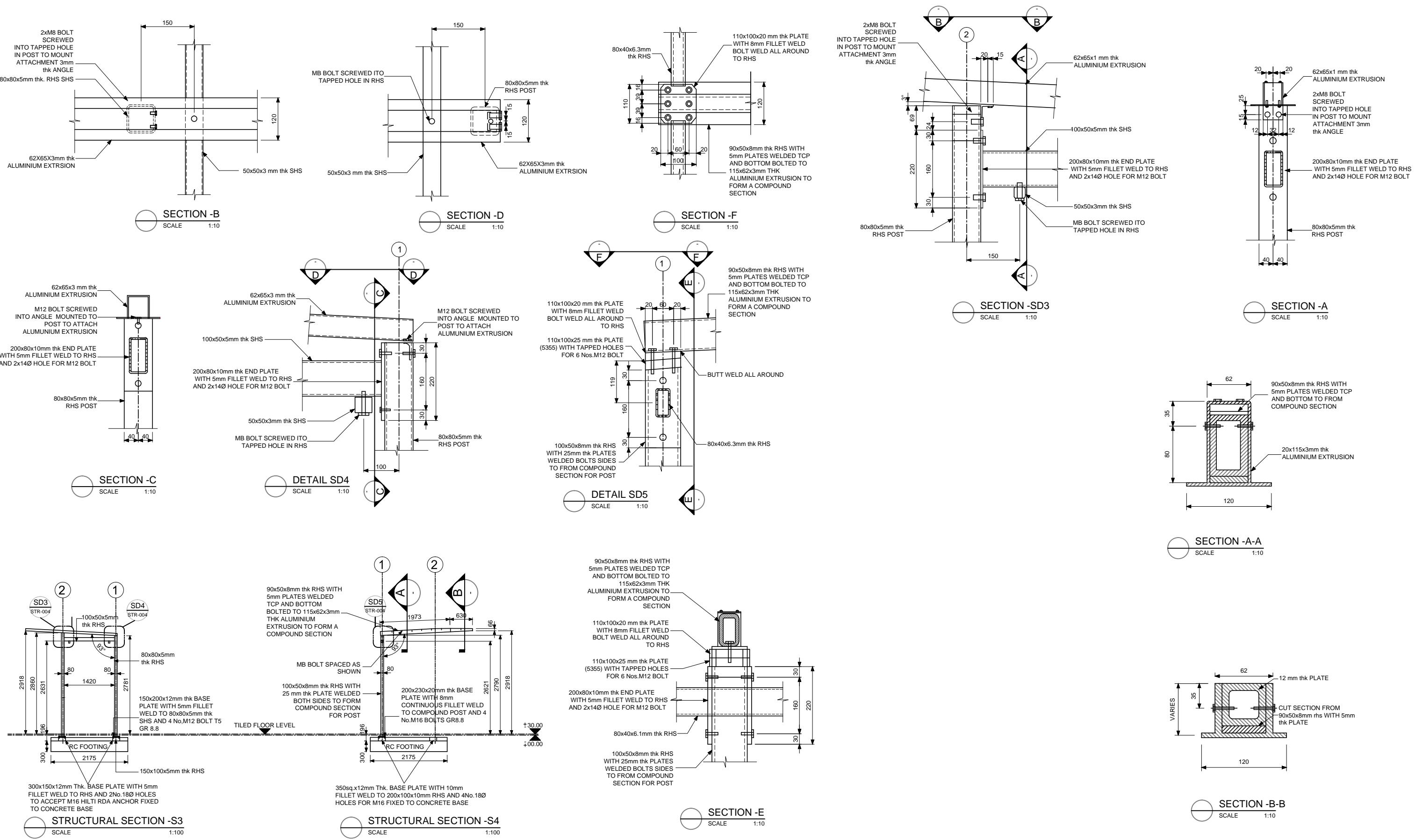
AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
STRUCTURAL FRAME DETAILS, SHEET 3

Drawing Status:  
**FOR INFORMATION**

Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		
Date	Scale at A3	Revision
18.10.15	1:50	01

Drawing Number:

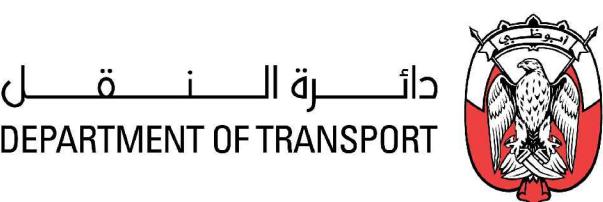
**STR-003**



## Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		18.10.2015	FOR REFERENCE	AK	MNK	



## Title

AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
STRUCTURAL FRAME DETAILS, SHEET 4

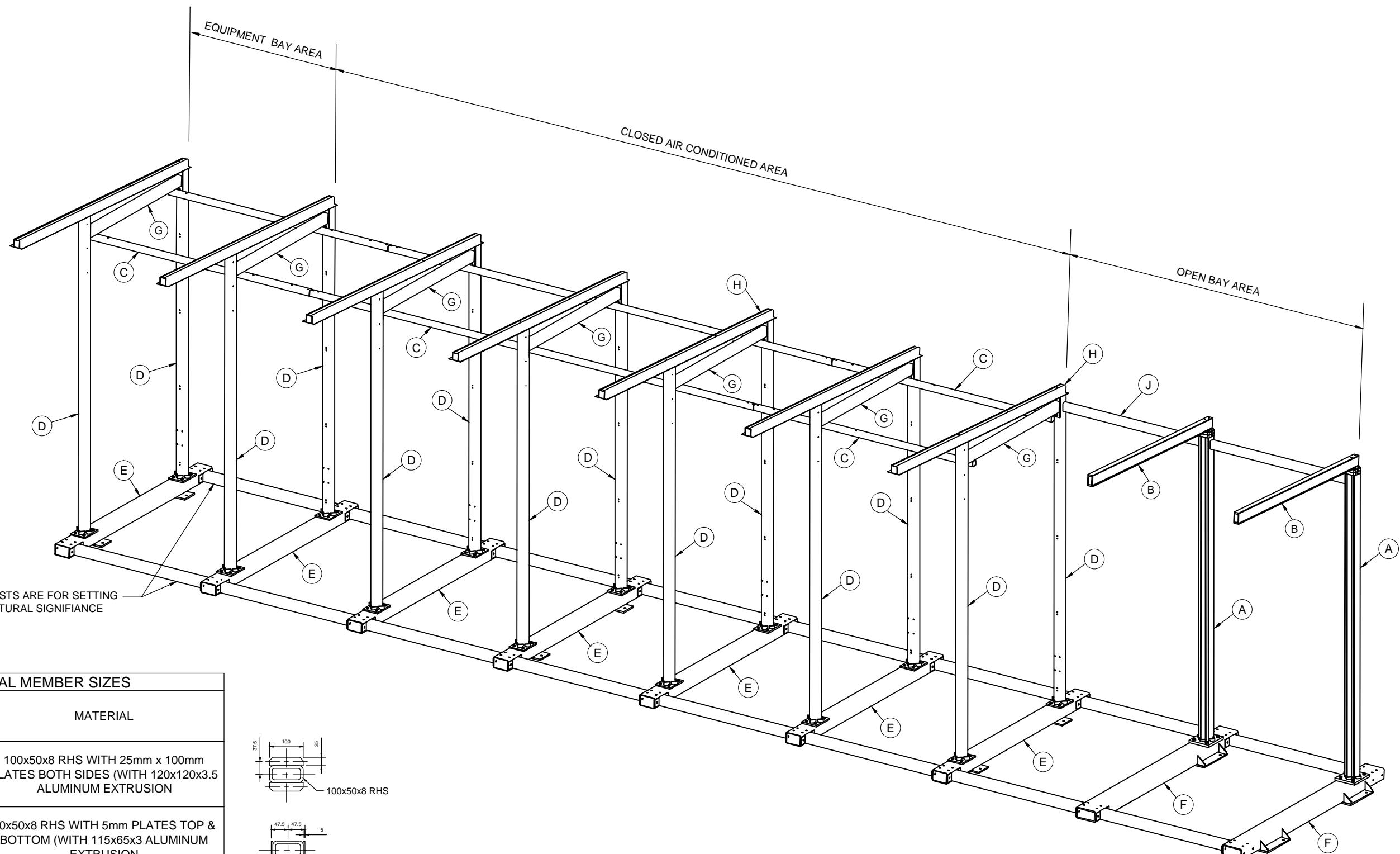
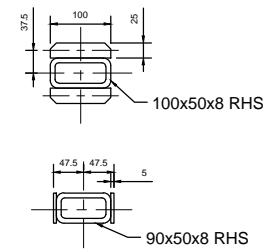
Drawing Number:

STR-004

Drawing Status: <b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		
Date	Scale at A3	Revision
18.10.15	1:50	01

OUTER BEAMS BETWEEN BAY POSTS ARE FOR SETTING OUT PURPOSES HAVE NO STRUCTURAL SIGNIFICANCE

STRUCTURAL MEMBER SIZES		
SL NO	ITEM	MATERIAL
1	A	100x50x8 RHS WITH 25mm x 100mm PLATES BOTH SIDES (WITH 120x120x3.5 ALUMINUM EXTRUSION)
2	B	90x50x8 RHS WITH 5mm PLATES TOP & BOTTOM (WITH 115x65x3 ALUMINUM EXTRUSION)
3	C	50x50x3.0 SHS
4	D	80x80x6.3 RHS
5	E	150x100x5 RHS
6	F	200x100x10 RHS
7	G	100x50x5 RHS
8	H	62x65x3.0 ALUMINUM EXTRUSION
9	J	80x40x6.3 RHS



## Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description	By	Chk	App
01		18.10.2015	FOR REFERENCE	AK	MNK	



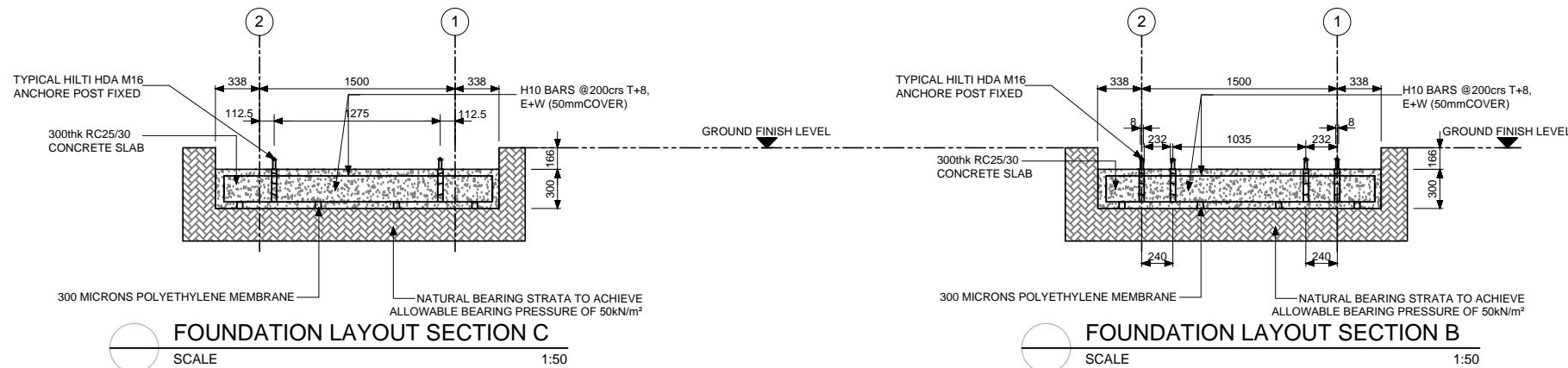
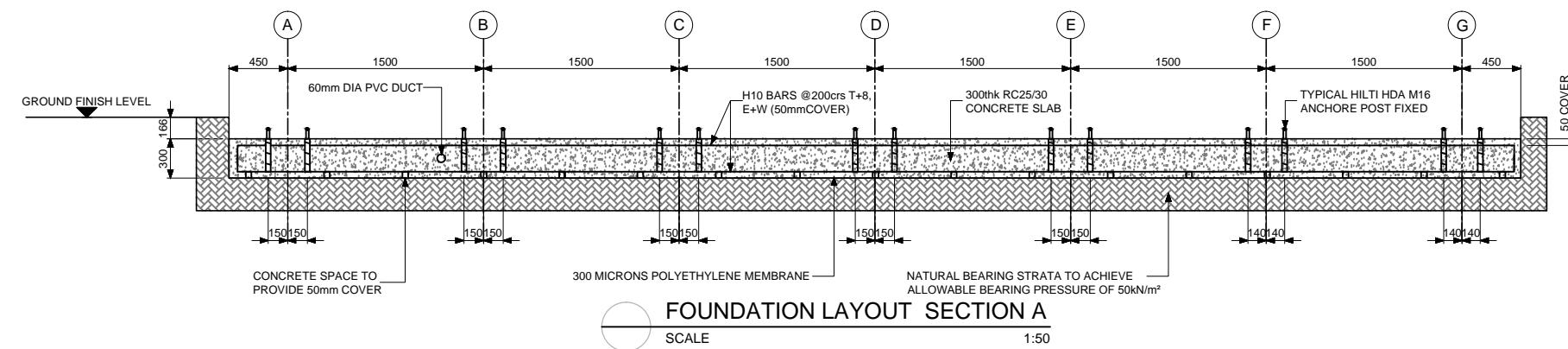
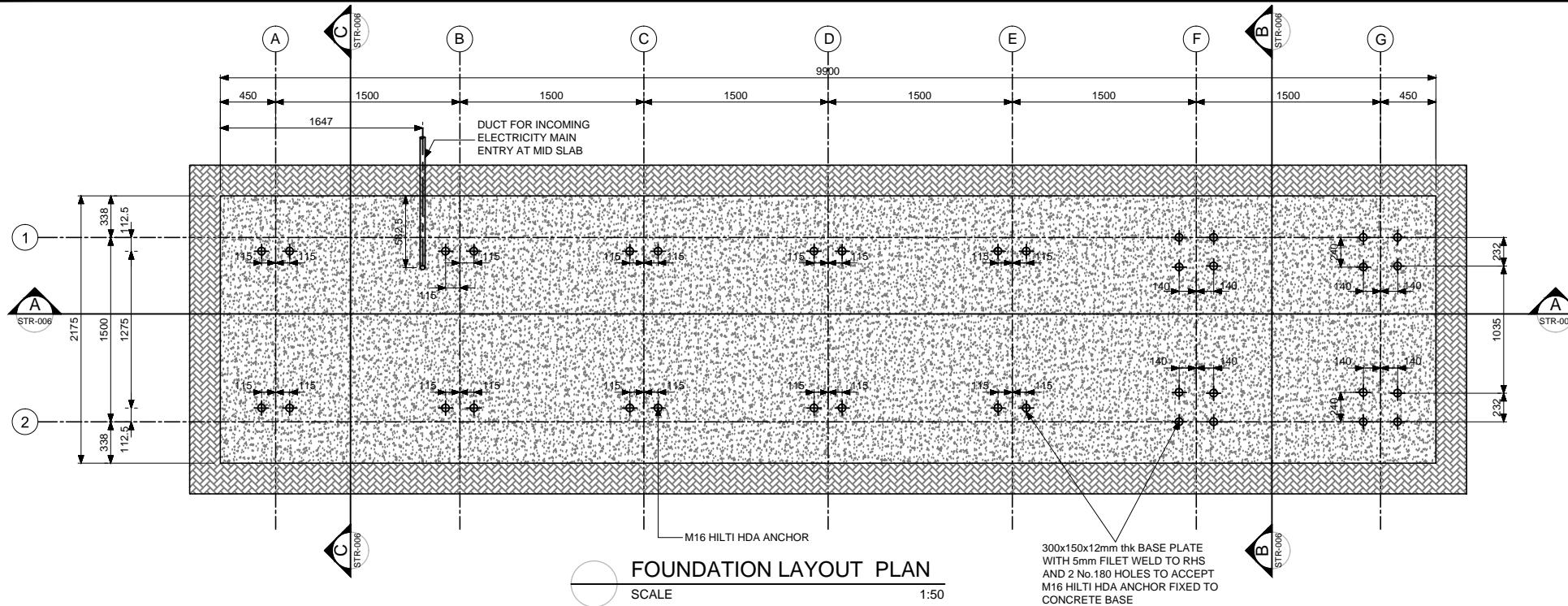
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Title  
**AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
STRUCTURAL FRAME DETAILS, SHEET 5**

Drawing Number:

**STR-005**

Drawing Status: <b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		
Date	18.10.15	Scale at A3
NTS		Revision
01		



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31 AM

Printed By : ANITH.KANAKAMMA -18/10/2015 - 9:



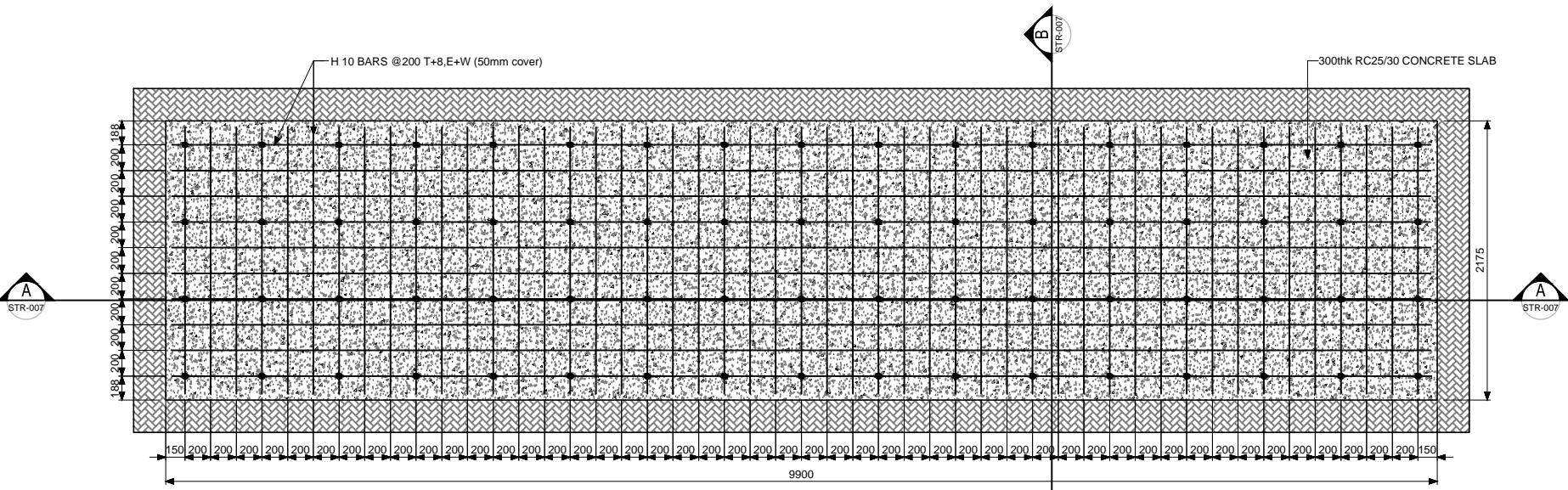
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AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
FOUNDATION DETAILS, SHEET 1

Drawing Number

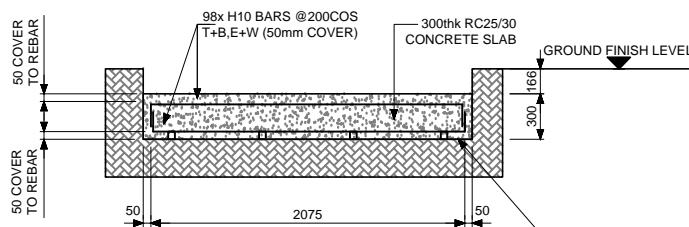
STR-006

<b>FOR INFORMATION</b>		
Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		
Date 18.10.15	Scale at A3 1:50	Revision 01



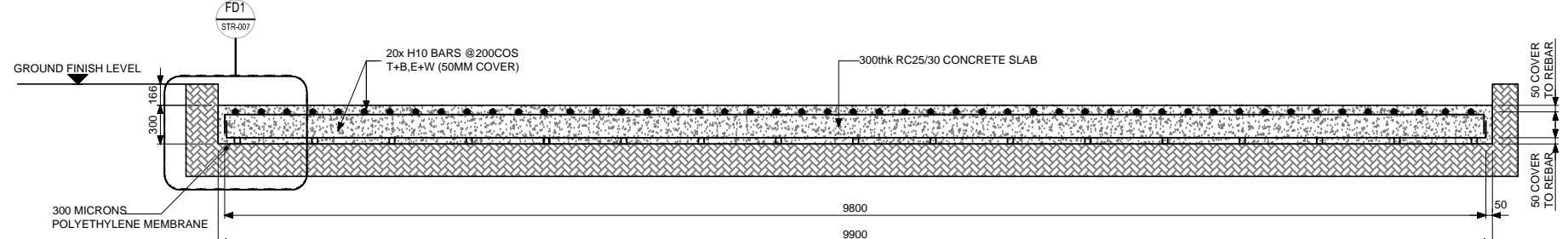
REBAR ARRANGEMENT PLAN

SCALE 1:50



B REBAR ARRANGEMENT SECTION

SCALE 1:50



A REBAR ARRANGEMENT SECTION

SCALE 1:50

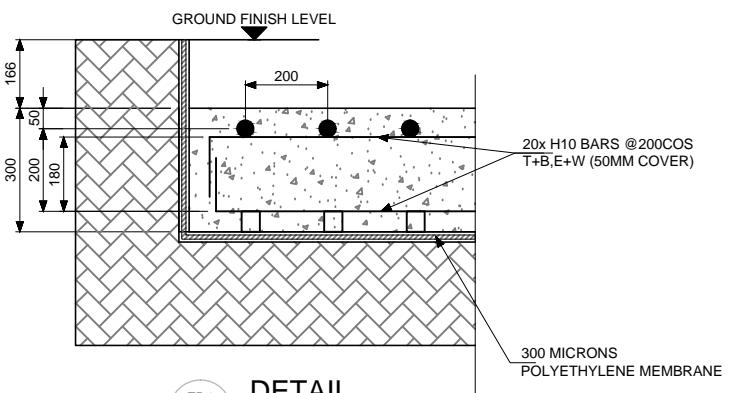
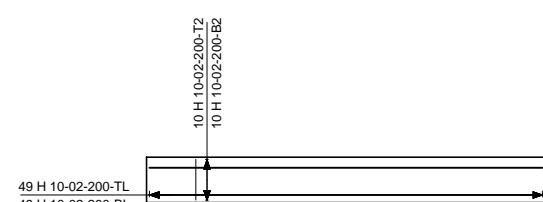
Description	Øof Bars	No of Items	No of Bars	Total No	Cutting Length	Shape Code	A	B	C	SHAPE
01	H10	1	98	98	2475	00	200	2075	200	A B C
02	H10	1	20	20	10160	00	180	9800	180	A B C

### BAR BENDING SCHEDULE

TO BS 8666

### REINFORCEMENT GENERAL ARRANGEMENT

SCALE 1:50

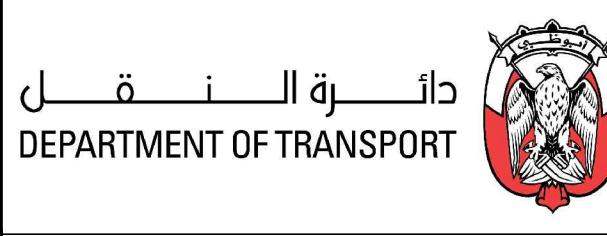


DETAIL  
FD1  
SCALE 1:20

Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

Rev	App. Status	Date	Description			By	Chk	App
01		18.10.2015	FOR REFERENCE			AK	MNK	



Title

AIR CONDITIONED BUS SHELTERS  
BUS SHELTER TYPE B321  
FOUNDATION DETAILS, SHEET 2

Drawing Number:

STR-007

Drawing Status:  
**FOR INFORMATION**

Drawn:	AK	
Designed:	MNK	
Checked:	MNK	
Approved:		

Date Scale at A3 Revision  
18.10.15 1:50 01