

## N. Maafaru Customs Office

Architectural Detail Drawings

**Maldives Customs Service**

Date: Wednesday, August 3, 2022  
Project Number: EP/BLD-AR/2022/15/AR-D07

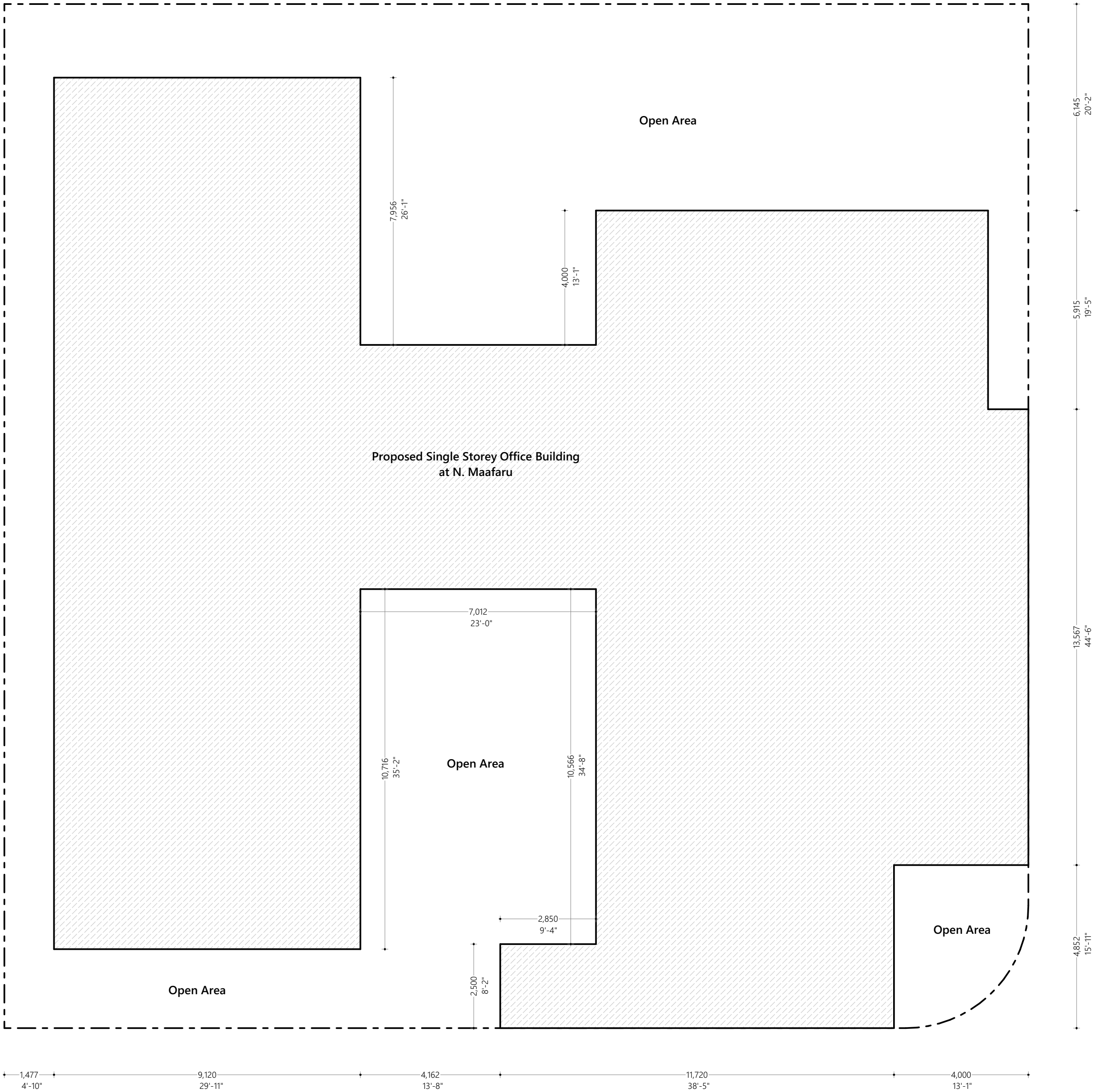




Diagram illustrating the layout of a 100-foot long building, divided into five sections with the following dimensions:

- Section 1: 1,477' 4"-10"
- Section 2: 9,120' 29"-11"
- Section 3: 7,012' 23"-0"
- Section 4: 11,670' 38"-3"
- Section 5: 1,200' 3"-11"

Total length: 30,480' 100"-0"

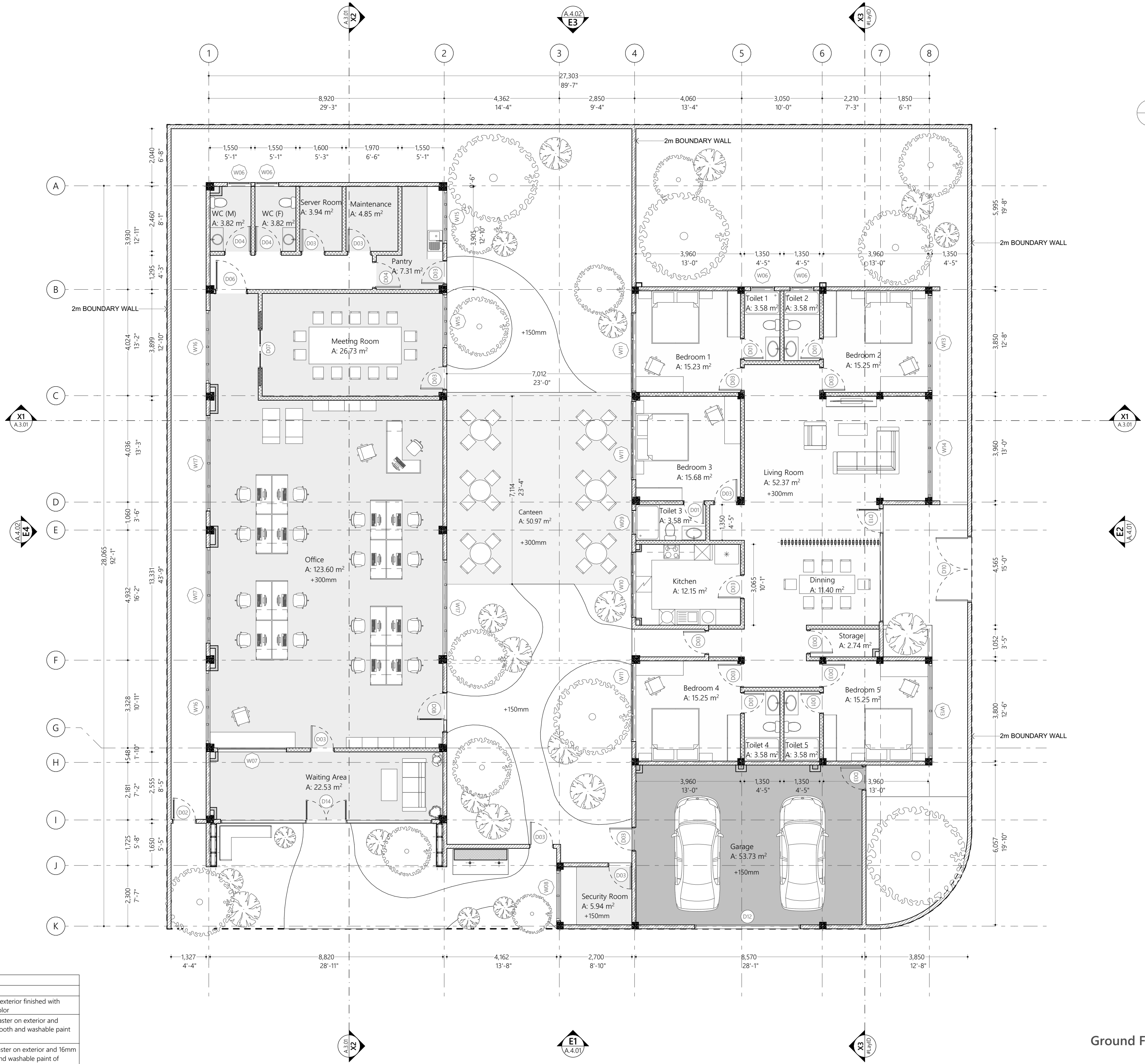


## Dhamuhingaa Magu

#	REVISION	BY	APP DATE

Rev No : Pg : A.1.01

Wall Legend	
2D Plan View	Description
	100mm thick masonry wall with 25mm plaster on exterior finished with ground smooth and washable paint of selected color
	150mm thick exterior masonry wall with 25mm plaster on exterior and 16mm plaster on interior finished with ground smooth and washable paint of selected color
	150mm thick interior masonry wall with 25mm plaster on exterior and 16mm plaster on interior finished with ground smooth and washable paint of selected color



#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epoch.associates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

DESIGNER: Mohamed Husam	CHECKED: F. Ithudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassan

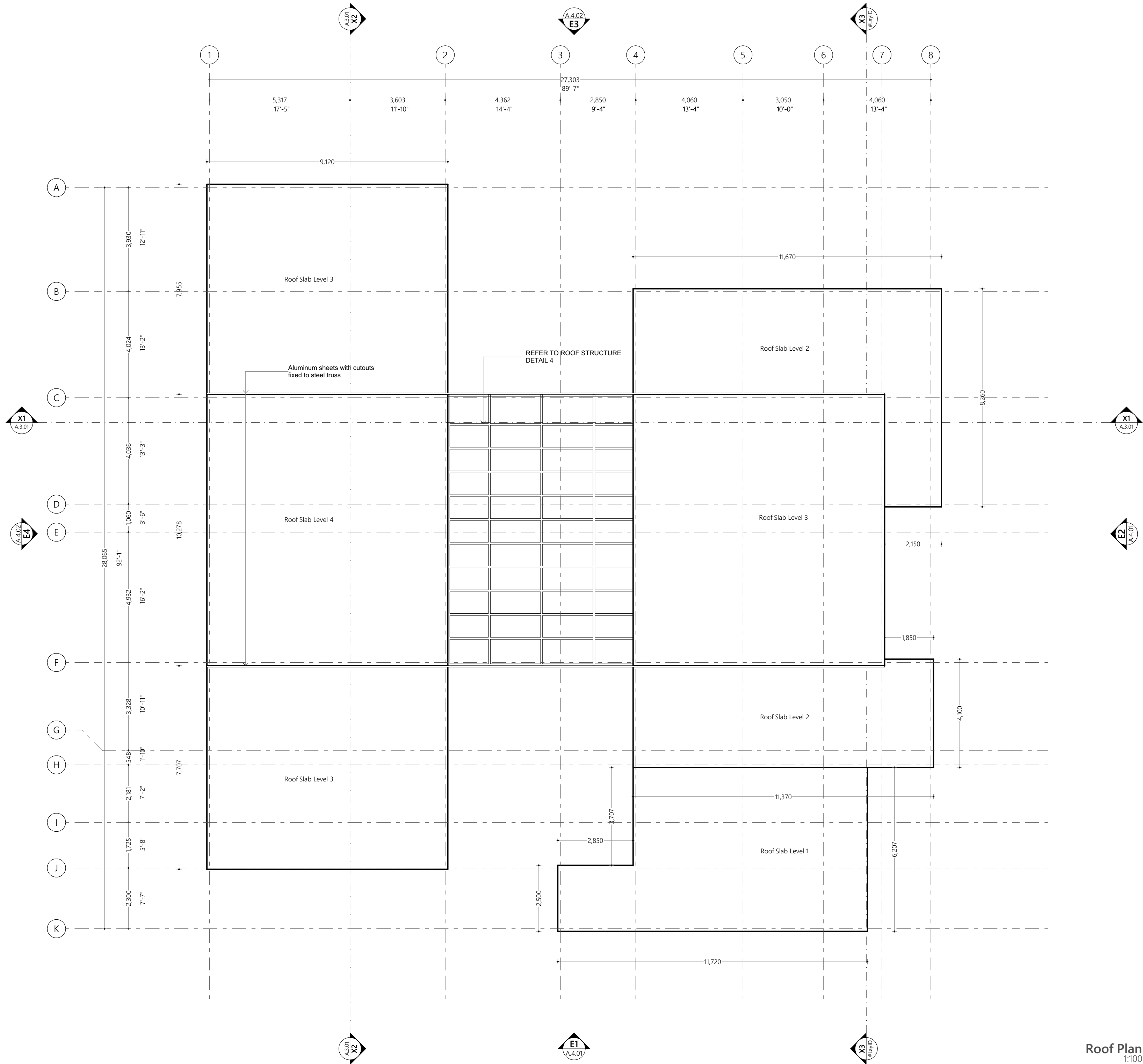
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Ground Floor Plan

**Scale :** 1:100, 1:1

**Doc No. :** EP/BLD-AR/2022/08/AR-104  
**Date :** Wednesday, August 3, 2022

**Rev No. :** **Pg :** A.2.01

**Ground Floor Plan**  
1:100



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T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
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DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

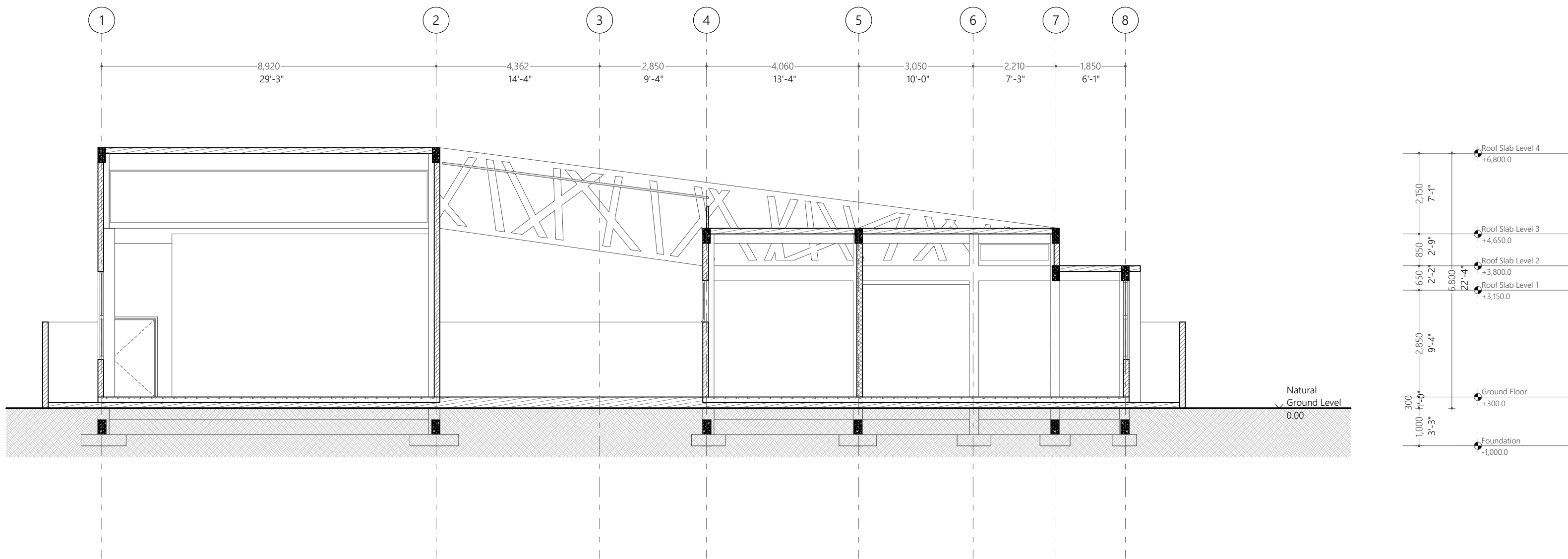
**Page Title**  
Roof Plan

**Scale :** 1:100

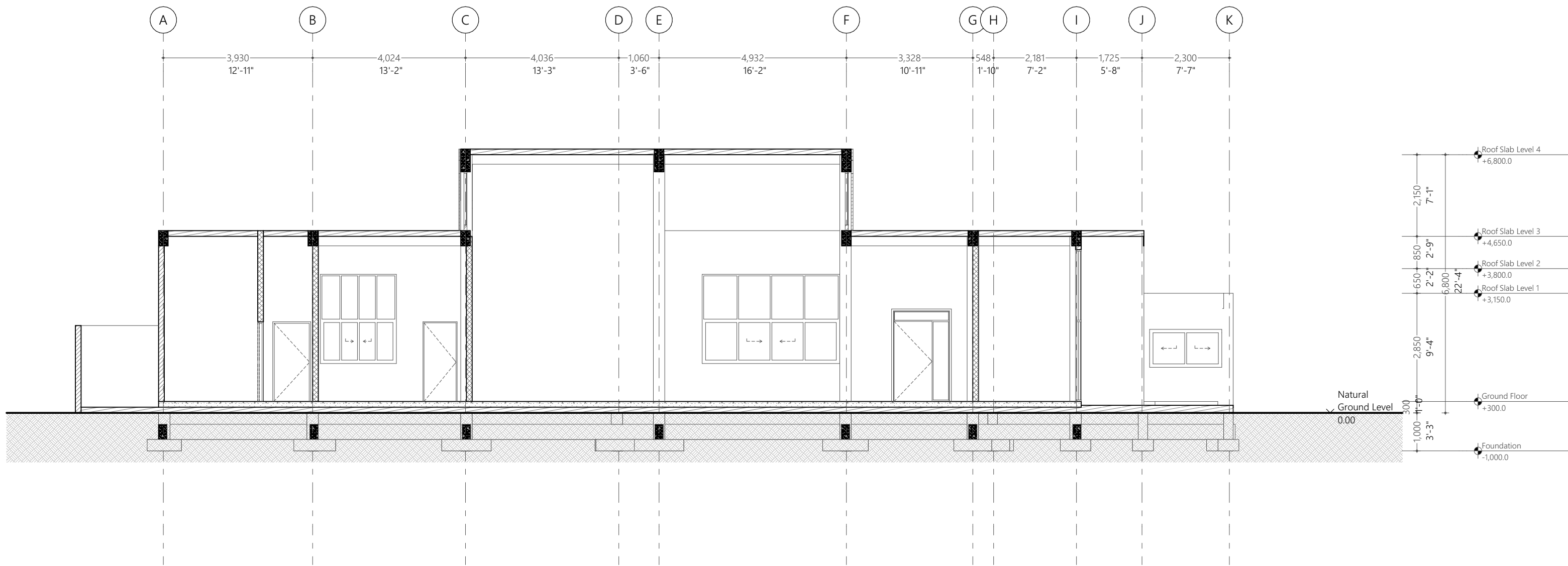
**Doc No :** EP/BLD-AR/2022/08/AR-104  
**Date :** Wednesday, August 3,  
2022

**Rev No :** **Pg :** A.2.02

Roof Plan  
1:100



Section X1  
1:100



Section X2  
1:100

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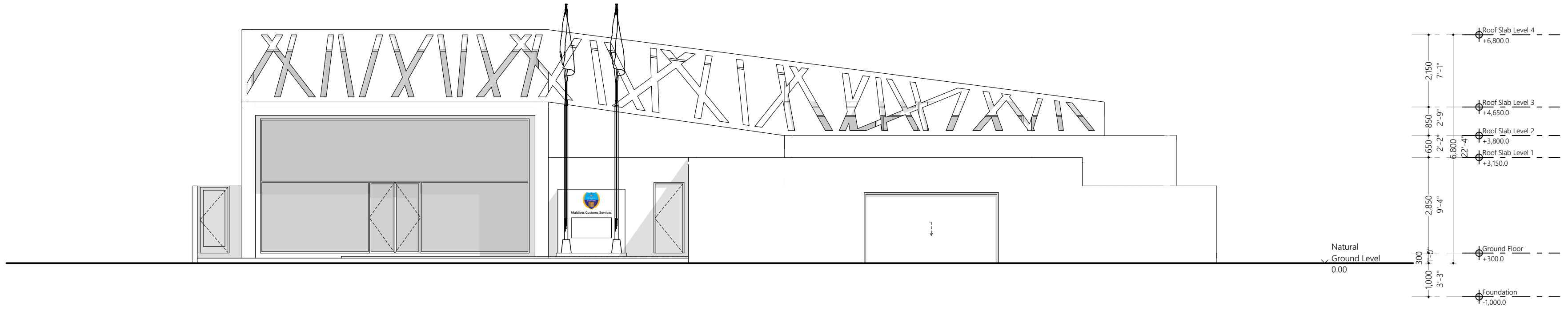
DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Section 1

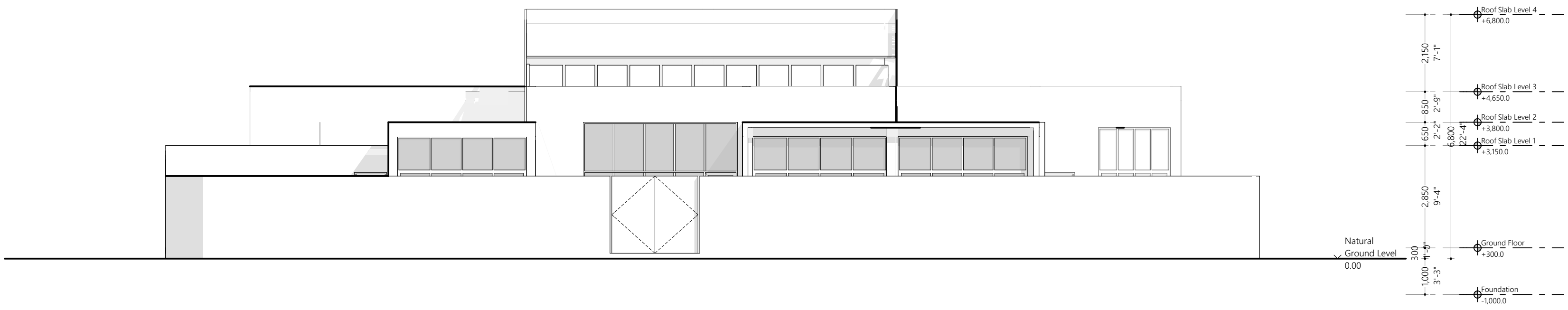
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**Date :** Wednesday, August 3,  
2022

**Rev No :** **Pg :** A.3.01



Elevation E1  
1:100



Elevation E2  
1:100

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Design

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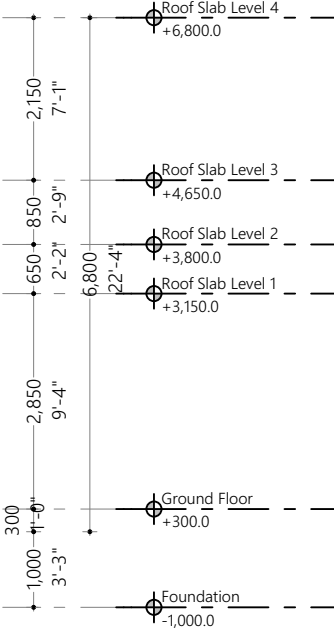
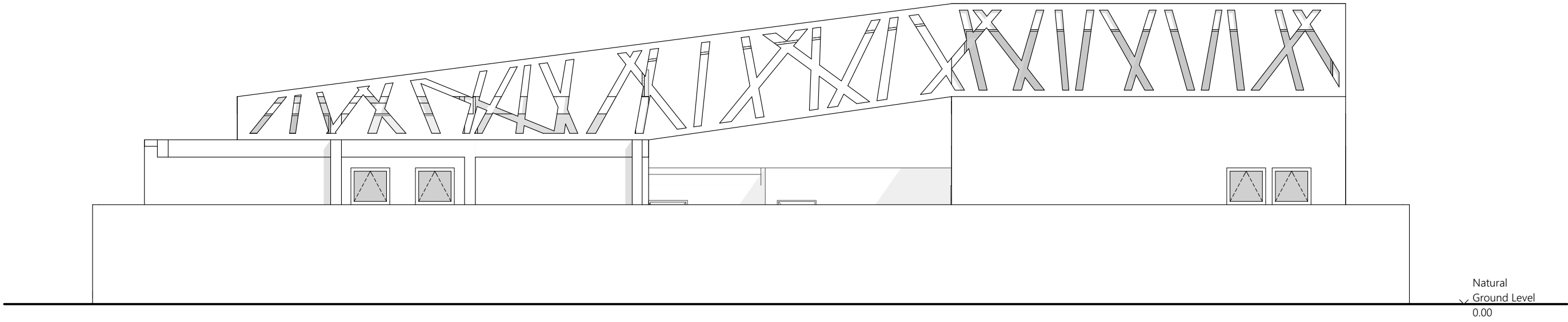
DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Elevation 1

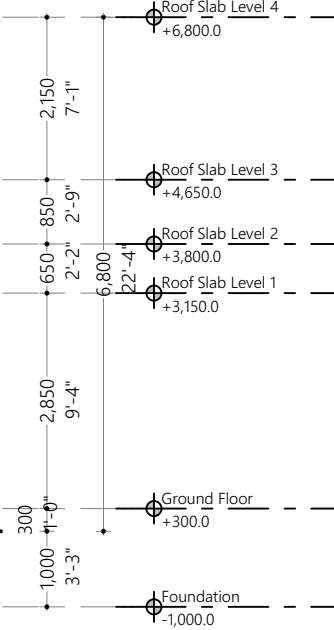
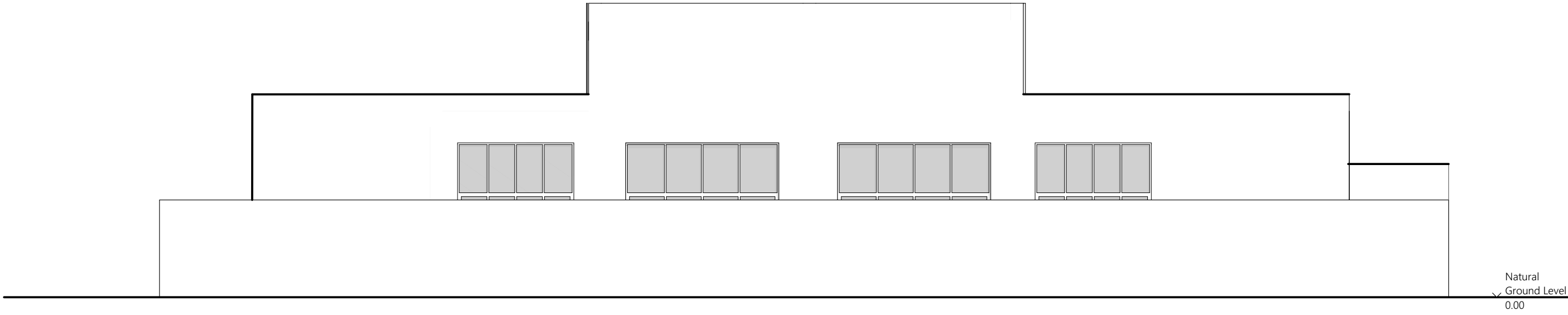
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**Date :** Wednesday, August 3,  
2022

**Rev No :** | **Pg :** A.4.01



Elevation E3  
1:100



Elevation E4  
1:100


#	REVISION	BY	APP	DATE
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W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

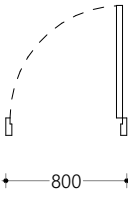
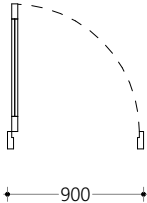
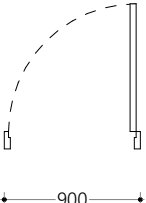
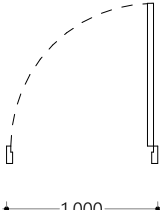
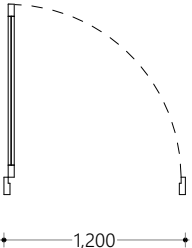

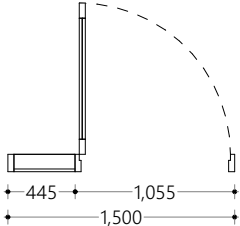
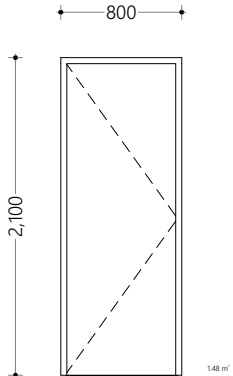
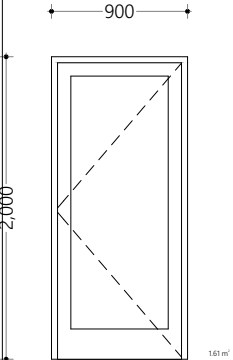
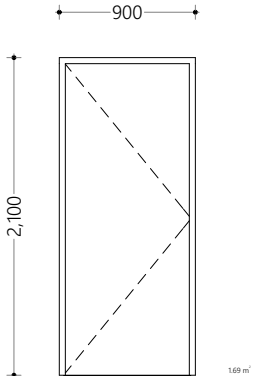
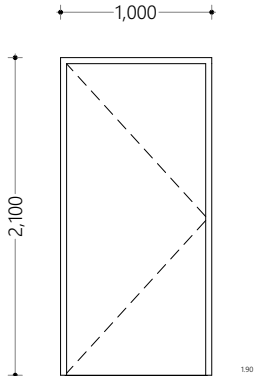
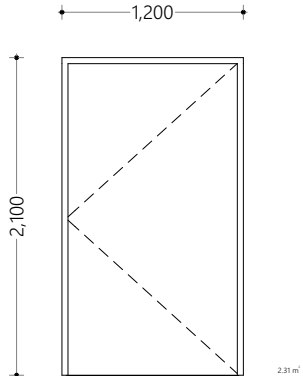
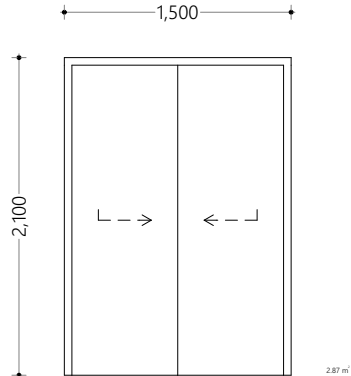
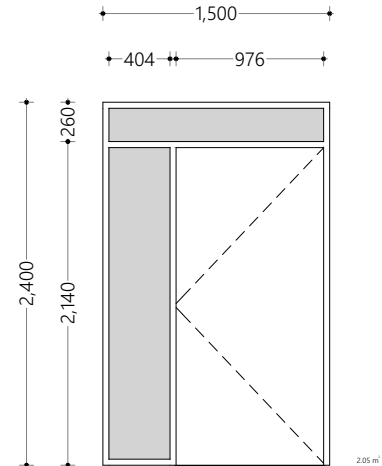
DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Elevation 2

**Scale :** 1:100

**Doc No. :** EP/BLD-AR/2022/08/AR-104  
**Date :** Wednesday, August 3,  
2022

**Rev No :** | **Pg :** A.4.02

All Openings Scedaule							
Element ID	D01	D02	D03	D04	D06	D07	D08
Quantity	5	1	17	3	1	1	1
W x H Size	800×2,100	900×2,000	900×2,100	1,000×2,100	1,200×2,100	1,500×2,100	1,500×2,400
Sill height	0	0	0	0	0	0	0
Head height	2,100	2,000	2,100	2,100	2,100	2,100	2,400
2D Symbol							
View from Side Opposite to Opening Side							
Frame	50mm Thick Hardwood Frame of selected colour and finish	50mm Thick Hardwood Frame of selected colour and finish	50mm Thick Hardwood Frame of selected colour and finish	50mm Thick Hardwood Frame of selected colour and finish	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	40mm Thick Solid Core Timber Panel of selected colour and finish	40mm Thick Solid Core Timber Panel of selected colour and finish	40mm Thick Solid Core Timber Panel of selected colour and finish	40mm Thick Solid Core Timber Panel of selected colour and finish	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Window Sash	---	---	---	---	---	---	---
Glazing	01 (No Glazing)	01 (No Glazing)	01 (No Glazing)	01 (No Glazing)	01 (No Glazing)	01 (No Glazing)	01 Clear Glass

### Door and Window Notes

Dimensions shown on DWG indicate effective openings of frame

All frame depths are 100mm  
All door leaf thicknesses are 35mm  
All window sash thickness are 25mm  
All frame edges shal be trimmed 3mm  
All wodden components should be wood stained finish  
All aluminum components to be powder coated (min. 60 microns)

All aluminum panels should be of 6mm thick unless specified  
All glazing should be of 6mm unless specified

External units must comply the following weather conditions:  
Wind pressure: 200 kg/sqm  
Water tightness: 25 kg/sqm

All external frames / wall joints must be sealed with silicon sealant  
and the wedges trimmed with 12X12mm hardwood beading fixed to  
frames by brass nails

Sealent shall be provided at all joints while fabrication

All hardware should be provided for the performance of al functions  
of the units  
Hinges shall confirm to

1) Door size more than 700X1900mm  
WD: 125mm X2 sets  
SD: 150mm X3 sets

2) Door size less than 700X1900mm  
WD: 100mm X2 sets  
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets  
Door knobs shall be1000mm above FFL

## All Openings Schedule

1:1

#	REVISION	BY	APP DATE

Project :

N. Maafaru Custom Building  
Design

Client :  
Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A:G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

Page Title  
All Opening Schedule

Scale : 1:1, 1:100

Doc No : EP/BLD-AR/2022/08/AR-104  
Date : Wednesday, August 3,  
2022

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All Openings Schedule			
Element ID	D10	D12	D13
Quantity	1	1	1
W x H Size	2,500×2,150	4,000×2,100	4,300×3,500
Sill height	-150	-300	0
Head height	2,000	1,800	3,500
2D Symbol			
View from Side Opposite to Opening Side			
Frame	50mm Thick Hardwood Frame of selected colour and finish	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	40mm Thick Solid Core Timber Panel of selected colour and finish	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Window Sash	---	---	---
Glazing	01 (No Glazing)	01 (No Glazing)	01 Reflective Glass

Door and Window Notes

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1:1

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Project :

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Client :  
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ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

Page Title  
All Opening Schedule

Scale : 1:1, 1:100

Doc No : EP/BLD-AR/2022/08/AR-104  
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2022

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All Openings Schedule			
Element ID	D14	W01	W02
Quantity	1	1	1
W x H Size	8,000×4,000	1,100×600	1,910×600
Sill height	0	3,500	3,500
Head height	4,000	4,100	4,100
2D Symbol			
View from Side Opposite to Opening Side			
Frame	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	---	---
Window Sash	---	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Glazing	01 Reflective Glass	01 Reflective Glass	01 Reflective Glass

Door and Window Notes

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All Openings Schedule

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Page Title  
All Opening Schedule

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All Openings Schedule				
Element ID	W03	W04	W05	W06
Quantity	1	1	1	4
W x H Size	1,990×600	2,460×600	2,850×600	900×850
Sill height	3,500	3,500	3,500	2,000
Head height	4,100	4,100	4,100	2,850
2D Symbol				
View from Side Opposite to Opening Side				
Frame	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	---	---	---	---
Window Sash	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Glazing	01 Reflective Glass	01 Reflective Glass	01 Reflective Glass	01 Clear Glass

Door and Window Notes

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All Openings Schedule  
1:1

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Page Title  
All Opening Schedule

Scale : 1:1, 1:100

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Rev No : Pg : A.5.01



All Openings Schedule				
Element ID	W07	W08	W09	W10
Quantity	1	1	1	1
W x H Size	2,600×850	1,900×1,000	900×1,100	2,465×1,100
Sill height	1,000	1,200	2,000	2,000
Head height	1,850	2,200	3,100	3,100
2D Symbol				
View from Side Opposite to Opening Side				
Frame	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	---	---	---	---
Window Sash	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Glazing	01 Clear Glass	01 Reflective Glass	01 Clear Glass	01 Clear Glass

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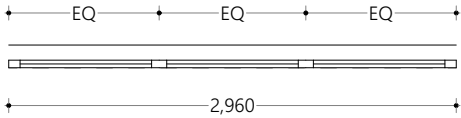
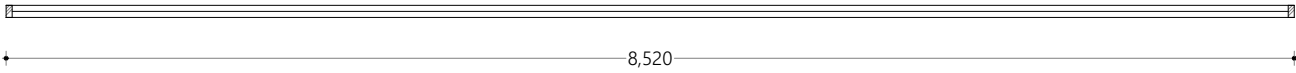
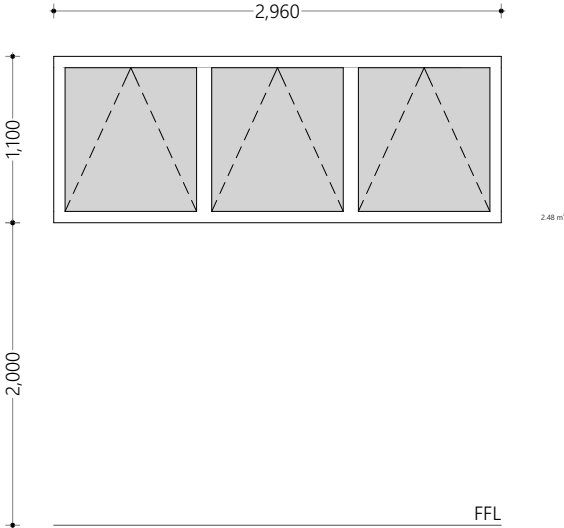
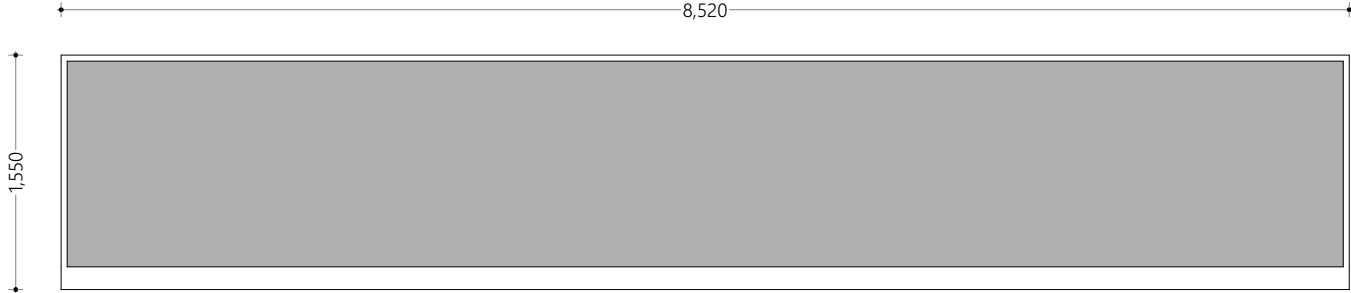
ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

Page Title  
All Opening Schedule

Scale : 1:1, 1:100

Doc No : EP/BLD-AR/2022/08/AR-104  
Date : Wednesday, August 3,  
2022

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All Openings Schedule		
Element ID	W11	W12
Quantity	3	2
W x H Size	2,960×1,100	8,520×1,550
Sill height	2,000	4,500
Head height	3,100	6,050
2D Symbol		
View from Side Opposite to Opening Side		
Frame	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	---	---
Window Sash	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Glazing	01 Clear Glass	01 Reflective Glass

Door and Window Notes

Dimensions shown on DWG indicate effective openings of frame

All frame depths are 100mm  
All door leaf thicknesses are 35mm  
All window sash thickness are 25mm  
All frame edges shal be trimmed 3mm  
All wodden components should be wood stained finish  
All aluminum components to be powder coated (min. 60 microns)

All aluminum panels should be of 6mm thick unless specified  
All glazing should be of 6mm unless specified

External units must comply the following weather conditions:  
Wind pressure: 200 kg/sqm  
Water tightness: 25 kg/sqm

All external frames / wall joints must be sealed with silicon sealant  
and the wedges trimmed with 12X12mm hardwood beading fixed to  
frames by brass nails

Sealent shall be provided at all joints while fabrication

All hardware should be provided for the performance of al functions  
of the units  
Hinges shall confirm to

1) Door size more than 700X1900mm  
WD: 125mm X2 sets  
SD: 150mm X3 sets

2) Door size less than 700X1900mm  
WD: 100mm X2 sets  
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets  
Door knobs shall be1000mm above FFL

All Openings Schedule  
1:1

#	REVISION	BY	APP	DATE

Project :

N. Maafaru Custom Building  
Design

Client :  
Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

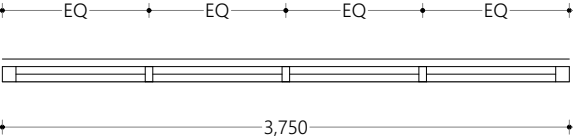
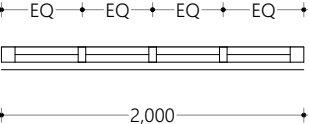
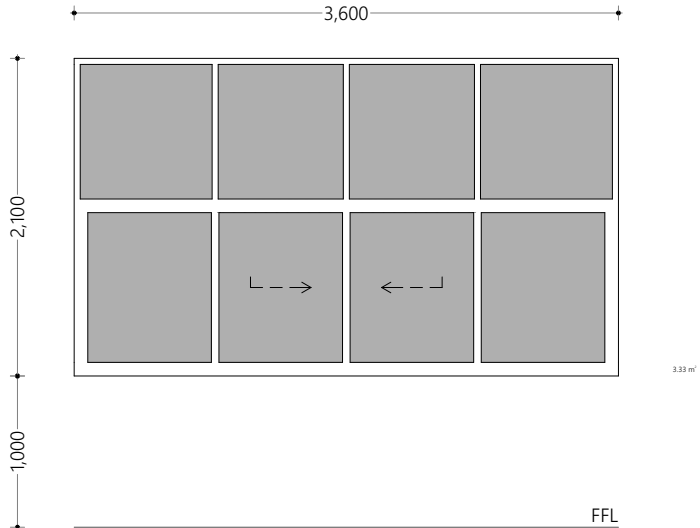
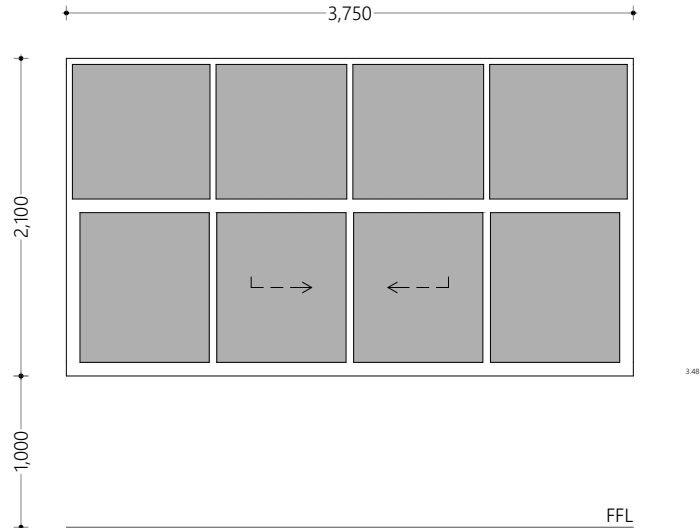
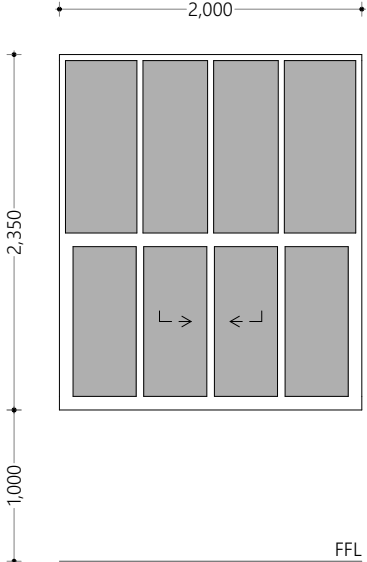
ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
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Page Title  
All Opening Schedule

Scale : 1:1, 1:100

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Date : Wednesday, August 3,  
2022

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All Openings Schedule			
Element ID	W13	W14	W15
Quantity	2	1	2
W x H Size	3,600×2,100	3,750×2,100	2,000×2,350
Sill height	1,000	1,000	1,000
Head height	3,100	3,100	3,350
2D Symbol			
View from Side Opposite to Opening Side			
Frame	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	---	---	---
Window Sash	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Glazing	01 Reflective Glass	01 Reflective Glass	01 Reflective Glass

Door and Window Notes

Dimensions shown on DWG indicate effective openings of frame

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WD: 125mm X2 sets  
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2) Door size less than 700X1900mm  
WD: 100mm X2 sets  
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets  
Door knobs shall be1000mm above FFL

All Openings Schedule  
1:1

#	REVISION	BY	APP	DATE

Project :

N. Maafaru Custom Building  
Design

Client :  
Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
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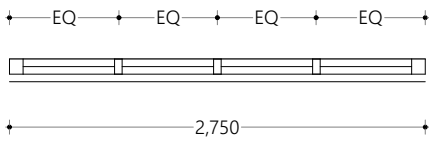

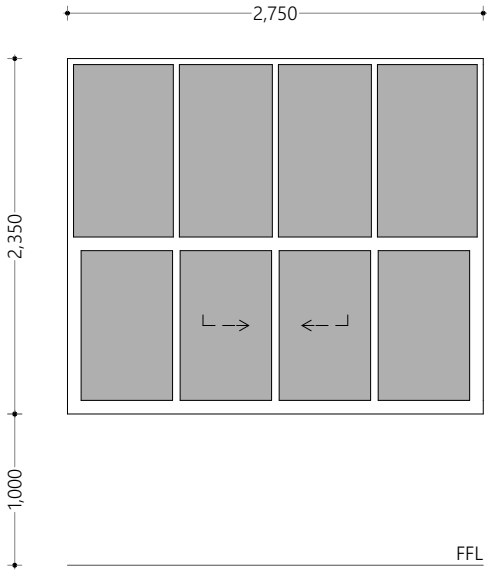
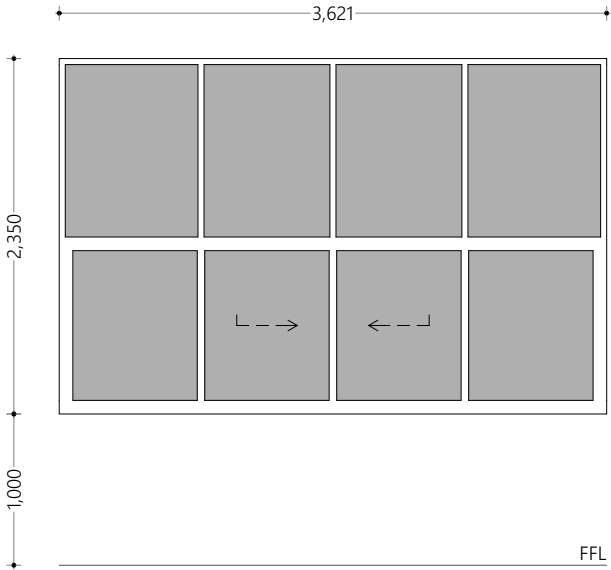
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All Opening Schedule

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Doc No : EP/BLD-AR/2022/08/AR-104  
Date : Wednesday, August 3,  
2022

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All Openings Schedule		
Element ID	W16	W17
Quantity	2	3
W x H Size	2,750×2,350	3,621×2,350
Sill height	1,000	1,000
Head height	3,350	3,350
2D Symbol		
View from Side Opposite to Opening Side		
Frame	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Frame of selected colour
Door Leaf	---	---
Window Sash	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour	50mm Thick Powder Coated (60 microns) Aluminum Panel of selected colour
Glazing	01 Reflective Glass	01 Reflective Glass

Door and Window Notes

Dimensions shown on DWG indicate effective openings of frame

All frame depths are 100mm  
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2) Door size less than 700X1900mm  
WD: 100mm X2 sets  
SD: 125mm X2 sets

Locks shall be cylindrical with master key sets  
Door knobs shall be1000mm above FFL

All Openings Schedule  
1:1

#	REVISION	BY	APP	DATE

Project :

N. Maafaru Custom Building  
Design

Client :  
Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

Page Title  
All Opening Schedule

Scale : 1:1, 1:100

Doc No : EP/BLD-AR/2022/08/AR-104  
Date : Wednesday, August 3,  
2022

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Room Name	Room Area	Opening	Required Opening	Designed Opening	Opening %
Ground Floor					
Waiting Area	22.53	Mechanical Ventilation			
Office	123.6	Mechanical Ventilation			
Meeting Room	26.73	Mechanical Ventilation			
WC (M)	3.82	W01	0.382	0.53	13.87
WC (F)	3.82	W01	0.382	0.53	13.87
Server Room	3.94	Mechanical Ventilation			
Maintenance Room	4.85	Mechanical Ventilation			
Pantry	7.31	Mechanical Ventilation			
Security Room	5.94	Mechanical Ventilation			
Garage	53.73	Mechanical Ventilation			
Living Room & Dining	63.7	W09, D3, D13	6.37	6.94	10.89
Kitchen	12.15	W04	1.215	2.01	16.54
Store	2.74	Mechanical Ventilation			
Bedroom 1	15.23	W05	1.523	2.48	16.28
Bedroom 2	15.25	W08	1.525	3.33	21.84
Bedroom 3	15.68	W05	1.568	2.48	15.82
Bedroom 4	15.25	W05	1.525	2.48	16.26
Bedroom 5	15.25	W08	1.525	3.33	21.84
Toilet 1	3.58	W01	0.358	0.53	14.80
Toilet 2	3.58	W01	0.358	0.53	14.80
Toilet 3	3.58	W03	0.358	0.61	17.04
Toilet 4	3.58	Mechanical Ventilation			
Toilet 5	3.58	Mechanical Ventilation			

Ventilation Schedule

1:1

#	REVISION	BY	APP	DATE

Project :

N. Maafaru Custom Building Design

Client :

Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

Page Title

Ventilation Schedule

Scale : 1:1

Doc No : EP/BLD-AR/2022/08/AR-104  
Date : Wednesday, August 3,  
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Rev No :

Pg : A.5.02



## N. Maafaru Customs Office

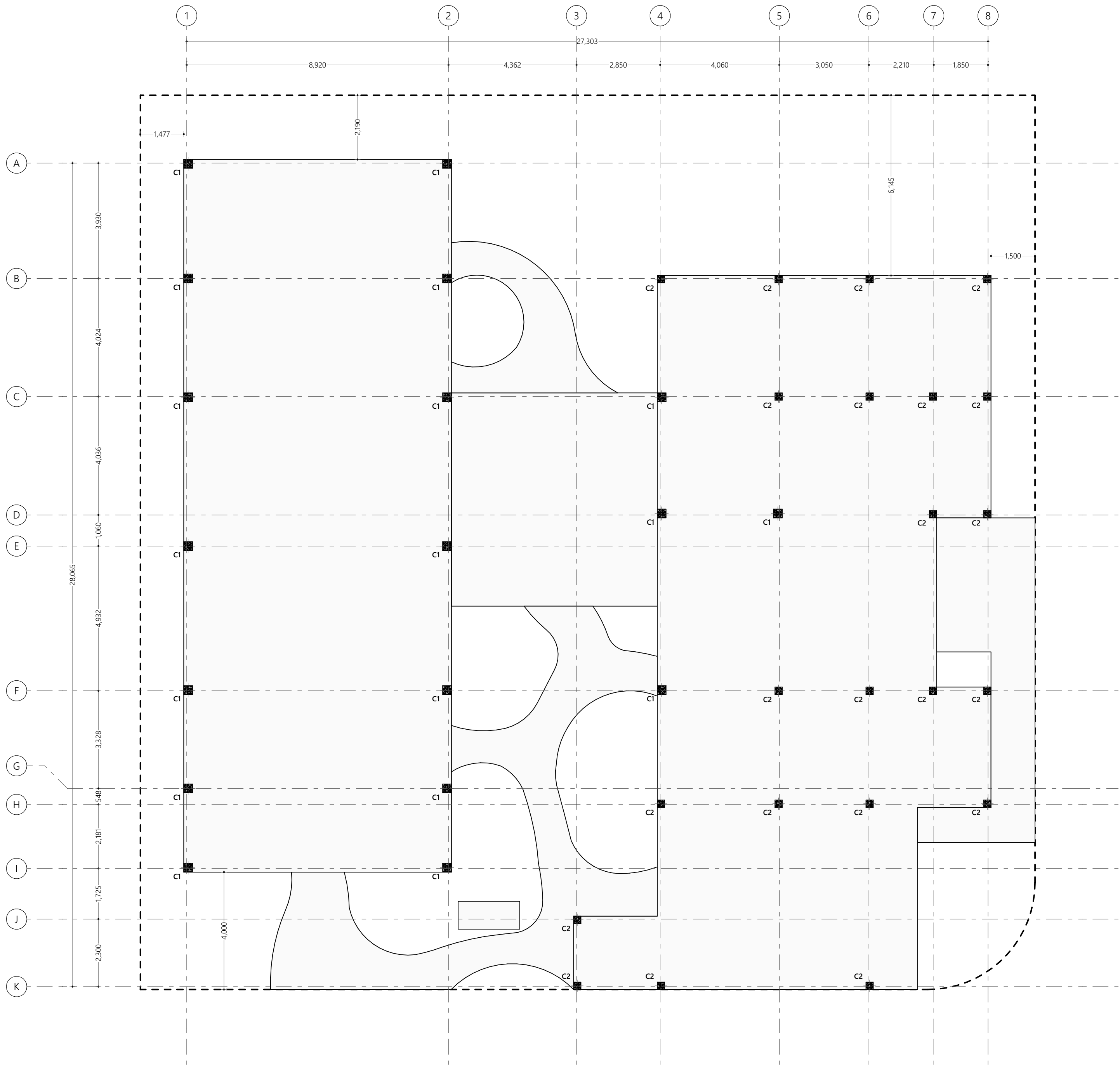
Structural Detail Drawings

**Maldives Customs Service**

Date: Wednesday, August 3, 2022  
Project Number: EP/BLD-AR/2022/15/AR-D07







Column Layout  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building  
Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Column Layout

**Scale :** 1:100

**Doc No :** EP/BLD-AR/2022/08/AR-104  
**Date :** Wednesday, August 3,  
2022

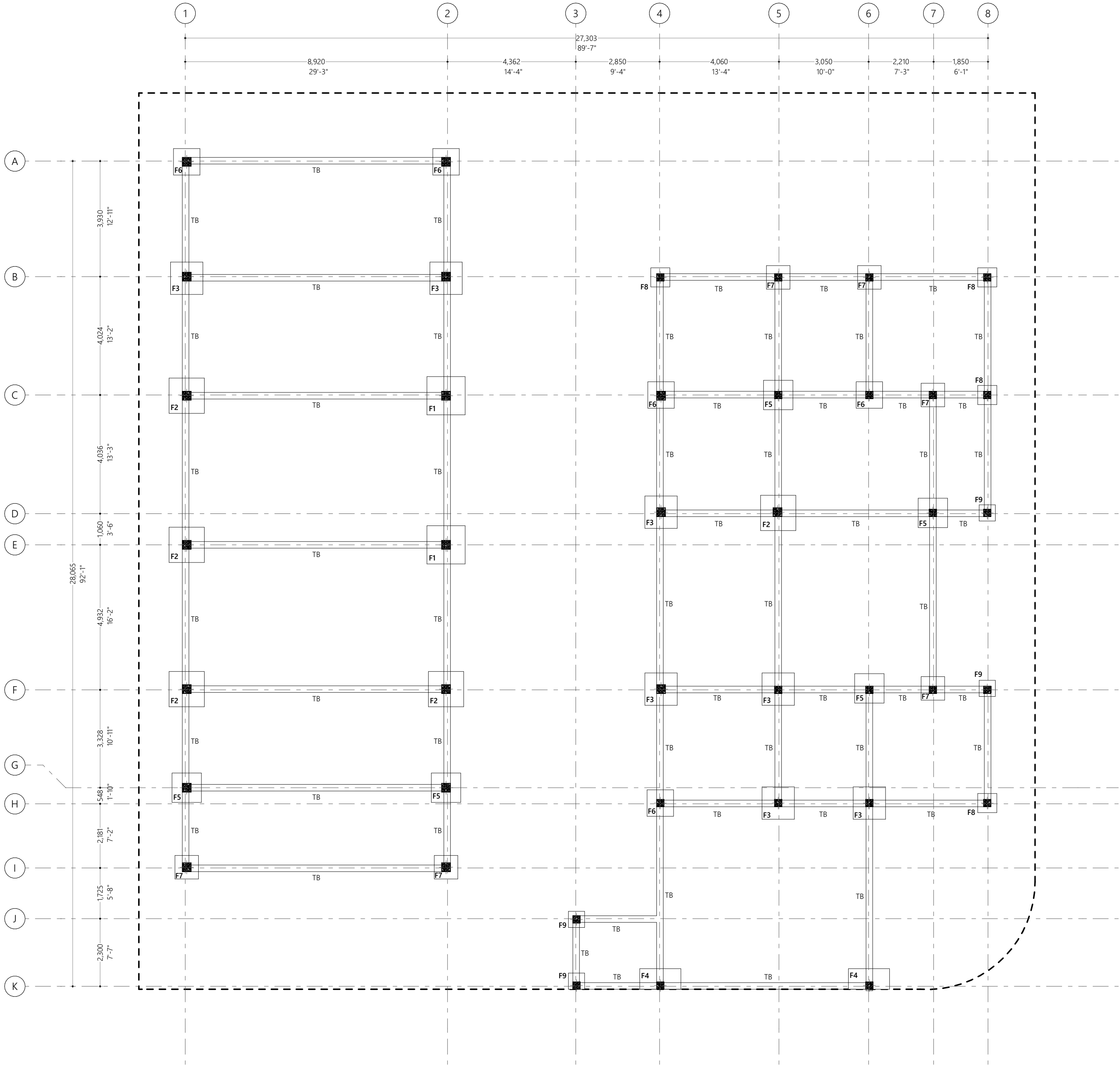
**Rev No :** **Pg :** B.1.01

Foundation Details:

	Dimensions	Reinforcement
F1	1300x1300x300	T10@150C/C B/W (B)
F2	1200x1200x300	T10@150C/C B/W (B)
F3	1100x1100x300	T10@150C/C B/W (B)
F4	700x1400x300	T10@125C/C B/W (B)
F5	1000x1000x300	T10@150C/C B/W (B)
F6	900x900x300	T10@150C/C B/W (B)
F7	800x800x300	T10@150C/C B/W (B)
F8	650x650x300	T10@150C/C B/W (B)
F9	550x550x300	T10@125C/C B/W (B)

Foundation Depth = 1000mm  
Ground Slab = 100mm thick RC slab on fill reinforced with T10@200C/C (B/W)

All Footings are to be laid on top of 50mm thick lean concrete  
Apply waterproofing to all substructure (below ground elements)



Foundation Plan  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

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W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

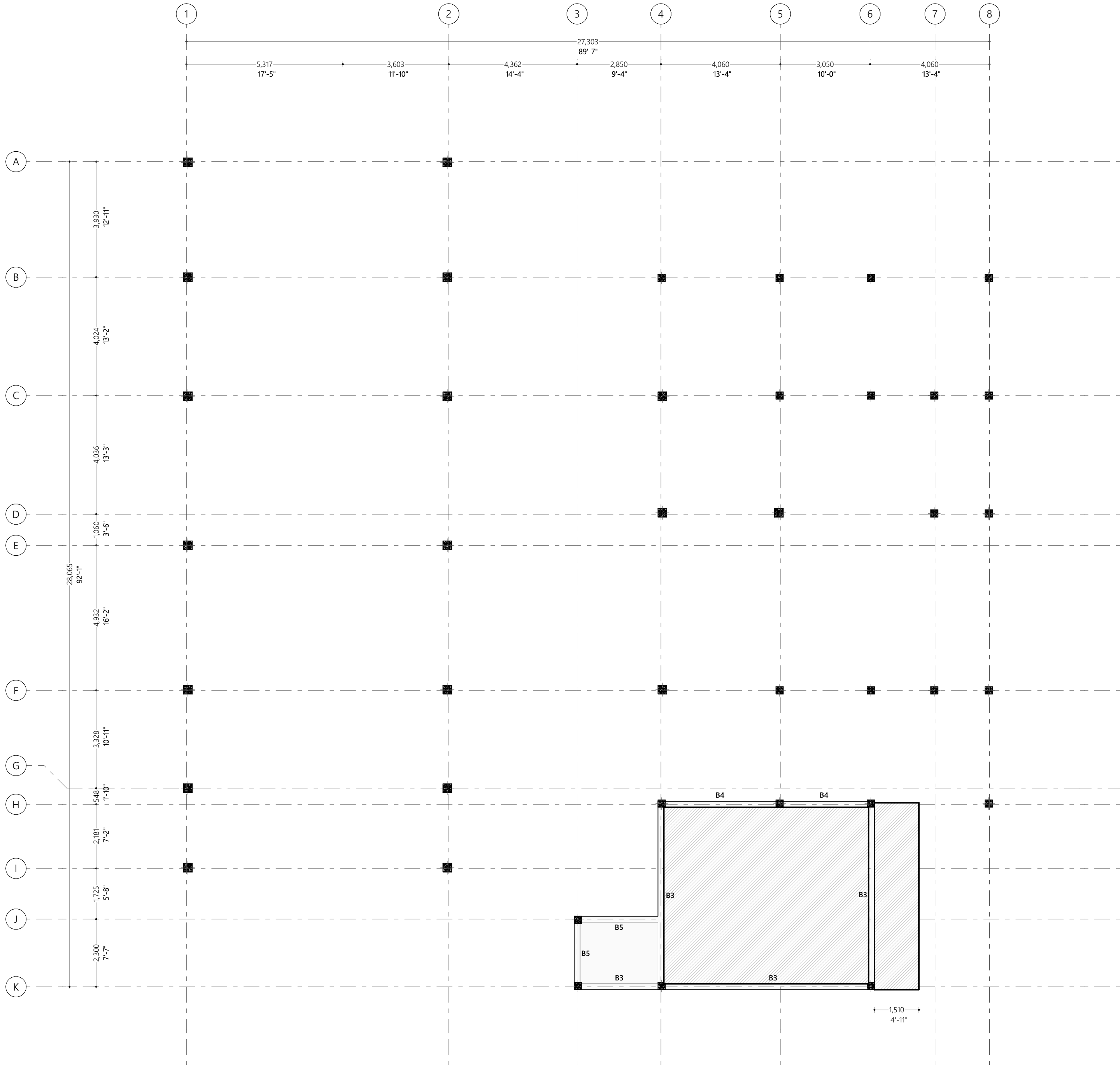
DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Foundation Plan

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**Date :** Wednesday, August 3,  
2022

**Rev No :** **Pg :** B.1.02



Roof Beam Plan 1  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

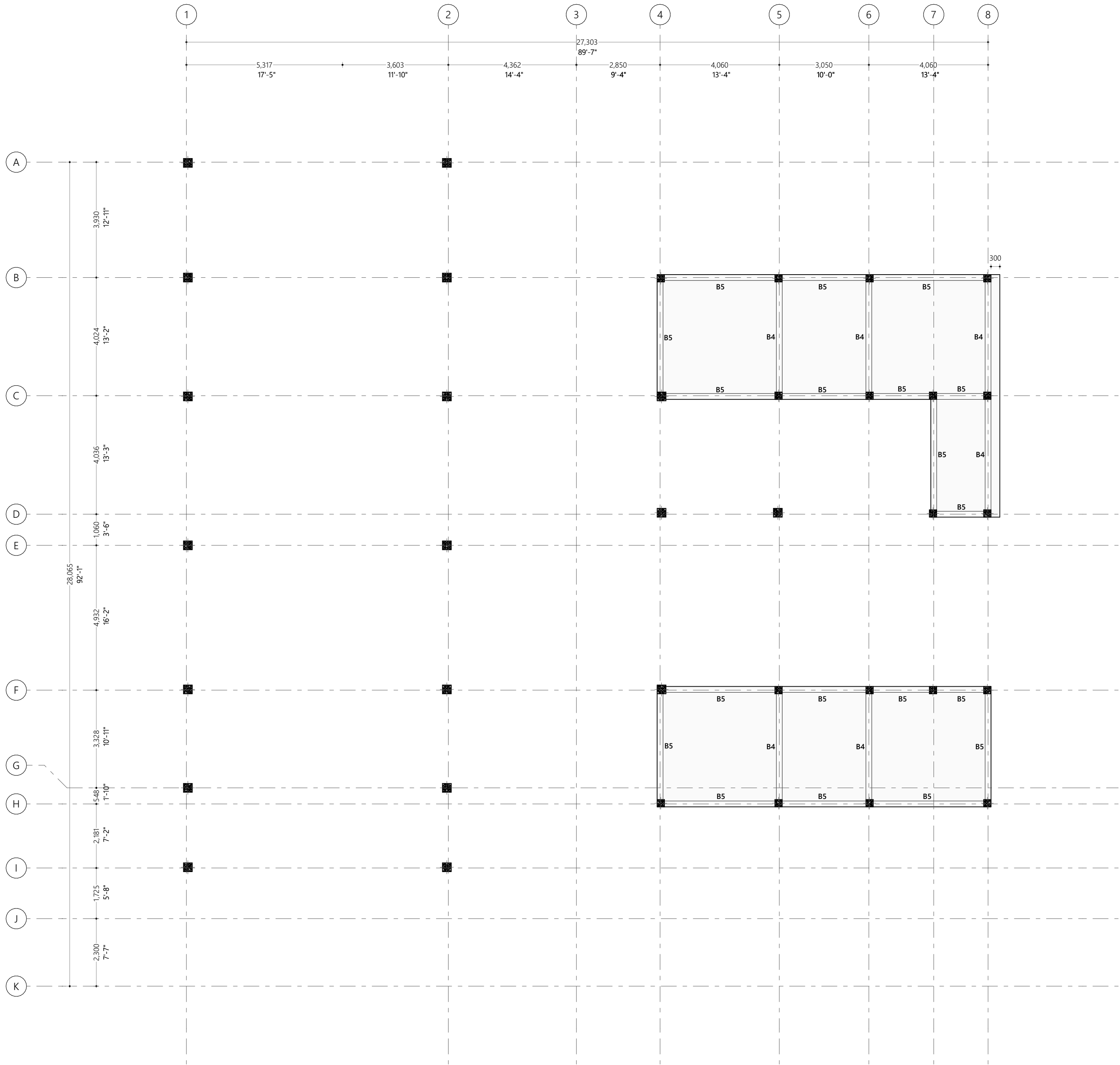
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Roof Beam Plan 1

**Scale :** 1:100

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2022

**Rev No :** **Pg :** B.2.01





Roof Beam Plan 2  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

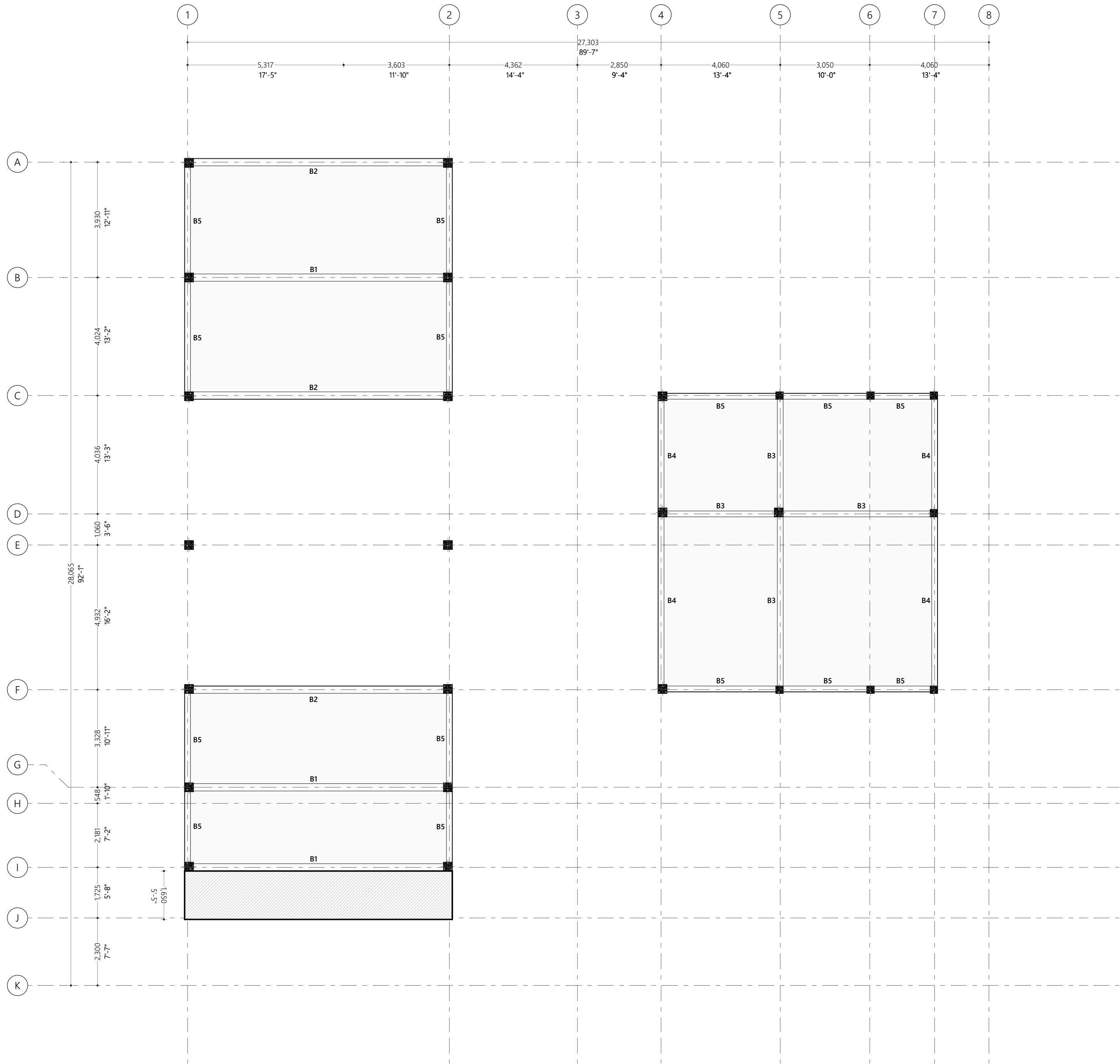
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DRAWN: Mohamed Husam	APPROVED: M. Hassaan

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Roof Beam Plan 2

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**Date :** Wednesday, August 3,  
2022

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Roof Beam Plan 3  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

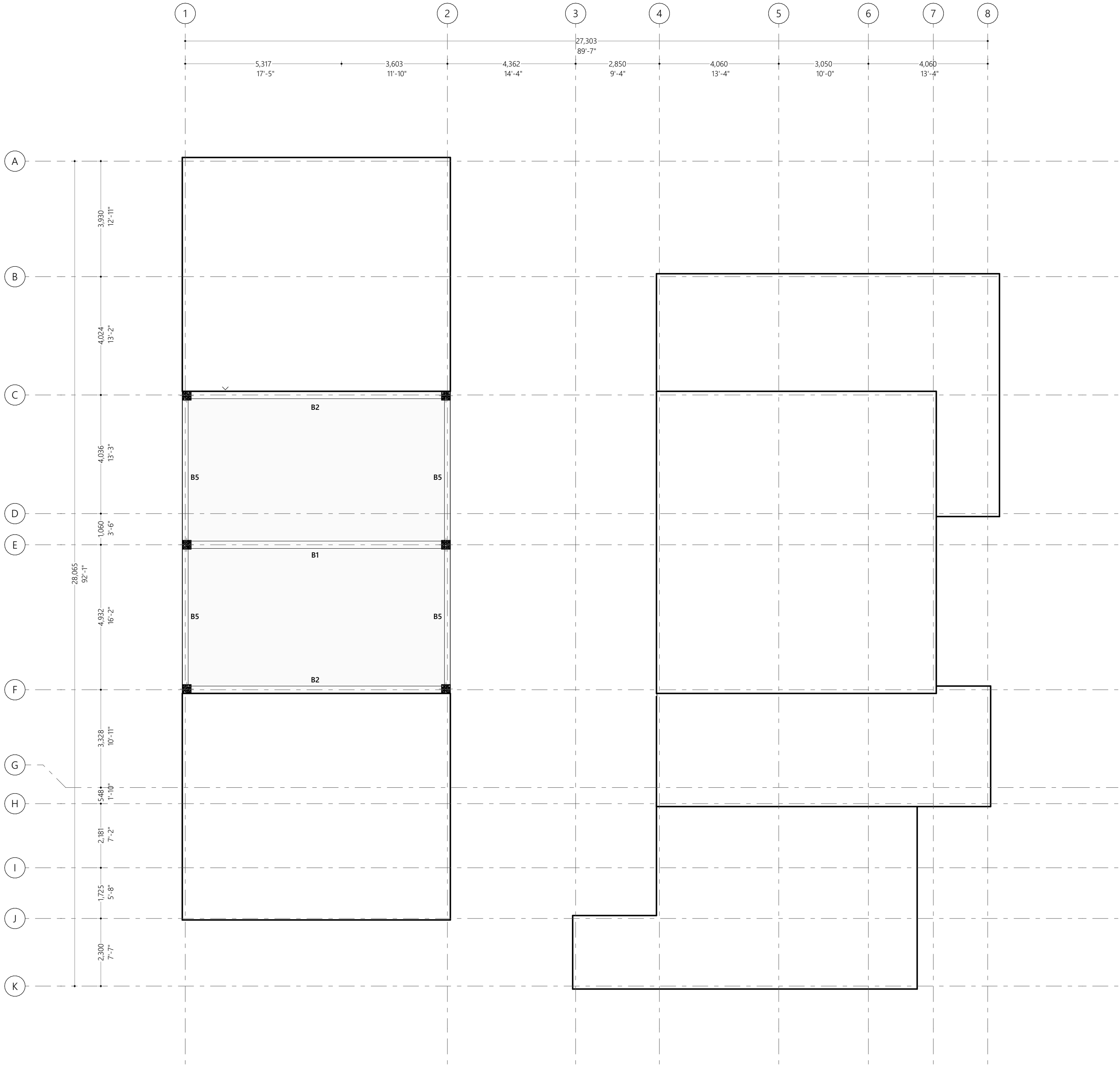
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DRAWN: Mohamed Husam	APPROVED: M. Hassaan

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Roof Beam Plan 3

**Scale :** 1:100

**Doc No :** EP/BLD-AR/2022/08/AR-104  
**Date :** Wednesday, August 3,  
2022

**Rev No :** **Pg :** B.2.03



Roof Beam Plan 4  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

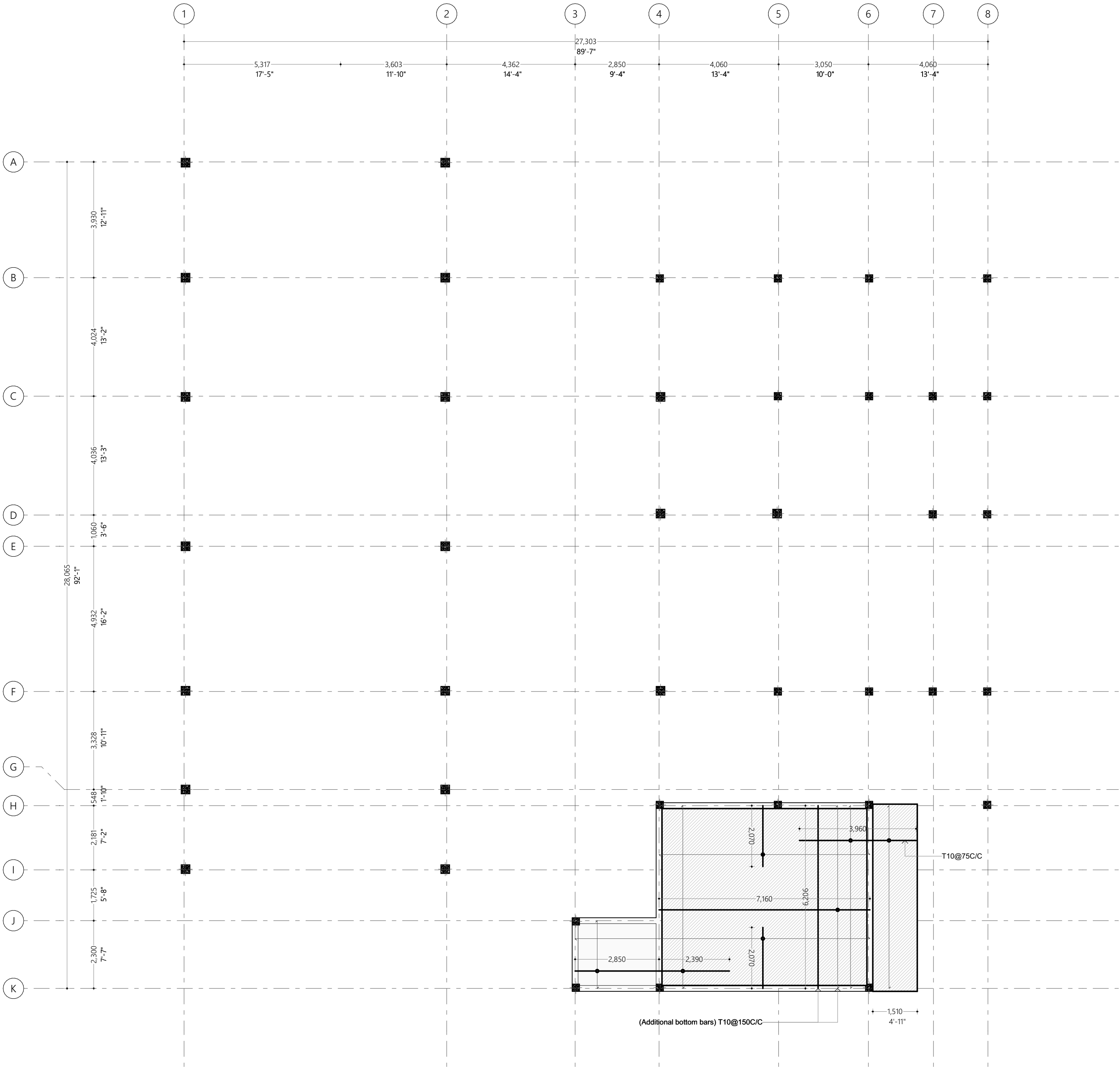
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DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Roof Beam Plan 4

**Scale :** 1:100

**Doc No :** EP/BLD-AR/2022/08/AR-104  
**Date :** Wednesday, August 3,  
2022

**Rev No :** **Pg :** B.2.04



**Notes:**

- Slab thickness: 150mm
- Shaded area slab thickness: 165mm
- Bottom Reinf. - T10@150 C/C B/W throughout (not shown)
- Top Reinf. - T10@150C/C (as shown, unless stated)
- Top Dist. Steel - T10@150 C/C (unless stated)
- Extra Bars - 3T10@45C/C T&B
- Provide 30mm cover
- Reinforcement discontinuous at voids

**Roof Slab Reinforcement Plan 1**  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Roof Slab Reinforcement Plan 1

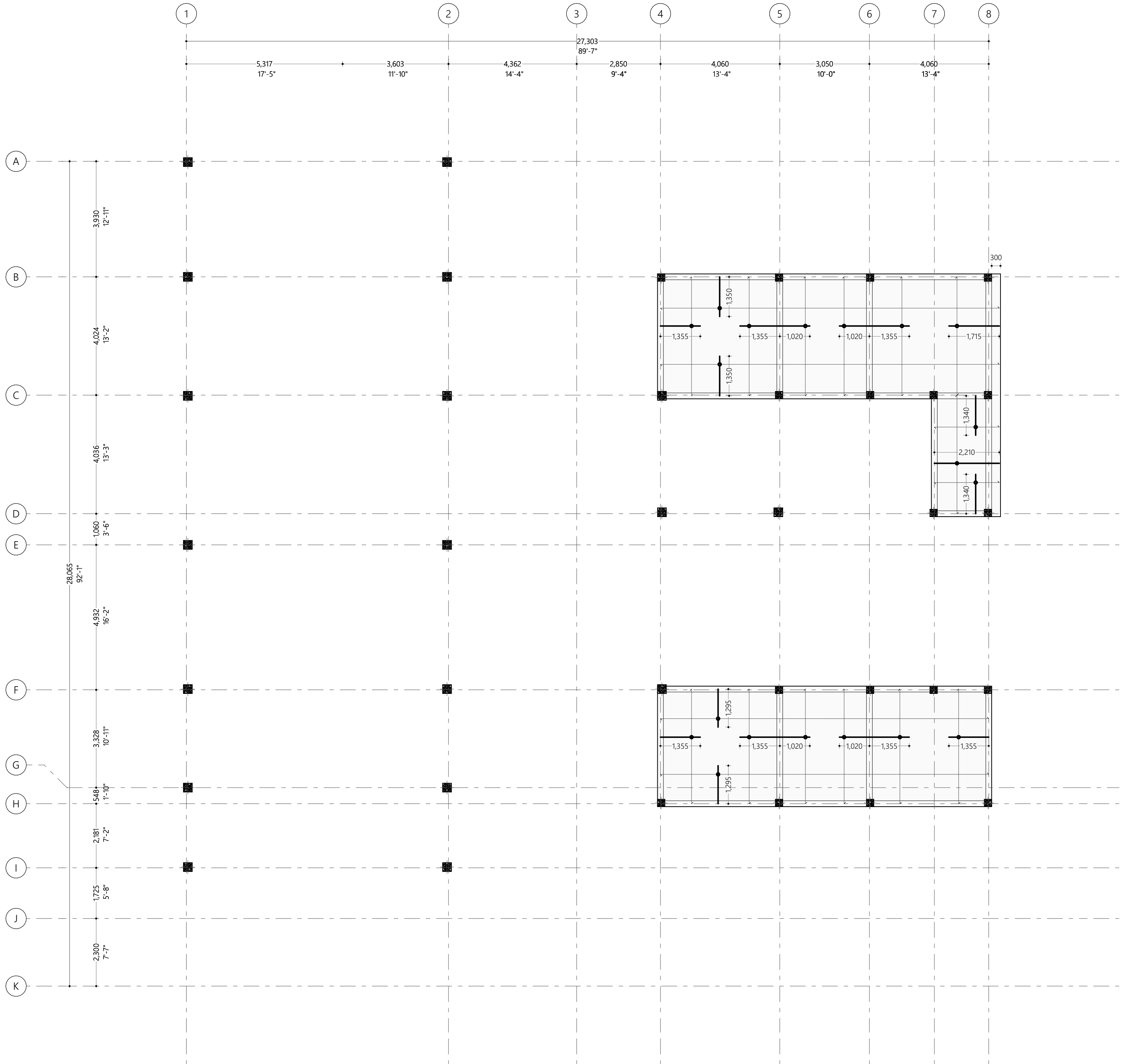
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**Date :** Wednesday, August 3, 2022

**Rev No :** **Pg :** B.3.1

Notes:

Slab thickness: 140mm  
Bottm Reinf. - T10@150 C/C B/W throughout (not shown)  
Top Reinf. - T10@150C/C (as shown, unless stated)  
Top Dist. Steel - T10@150 C/C (unless stated)  
Extra Bars - 3T10@45C/C T&B  
Provide 30mm cover  
Reinforcement discontinuous at voids



Roof Slab Reinforcement Plan 2  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassan

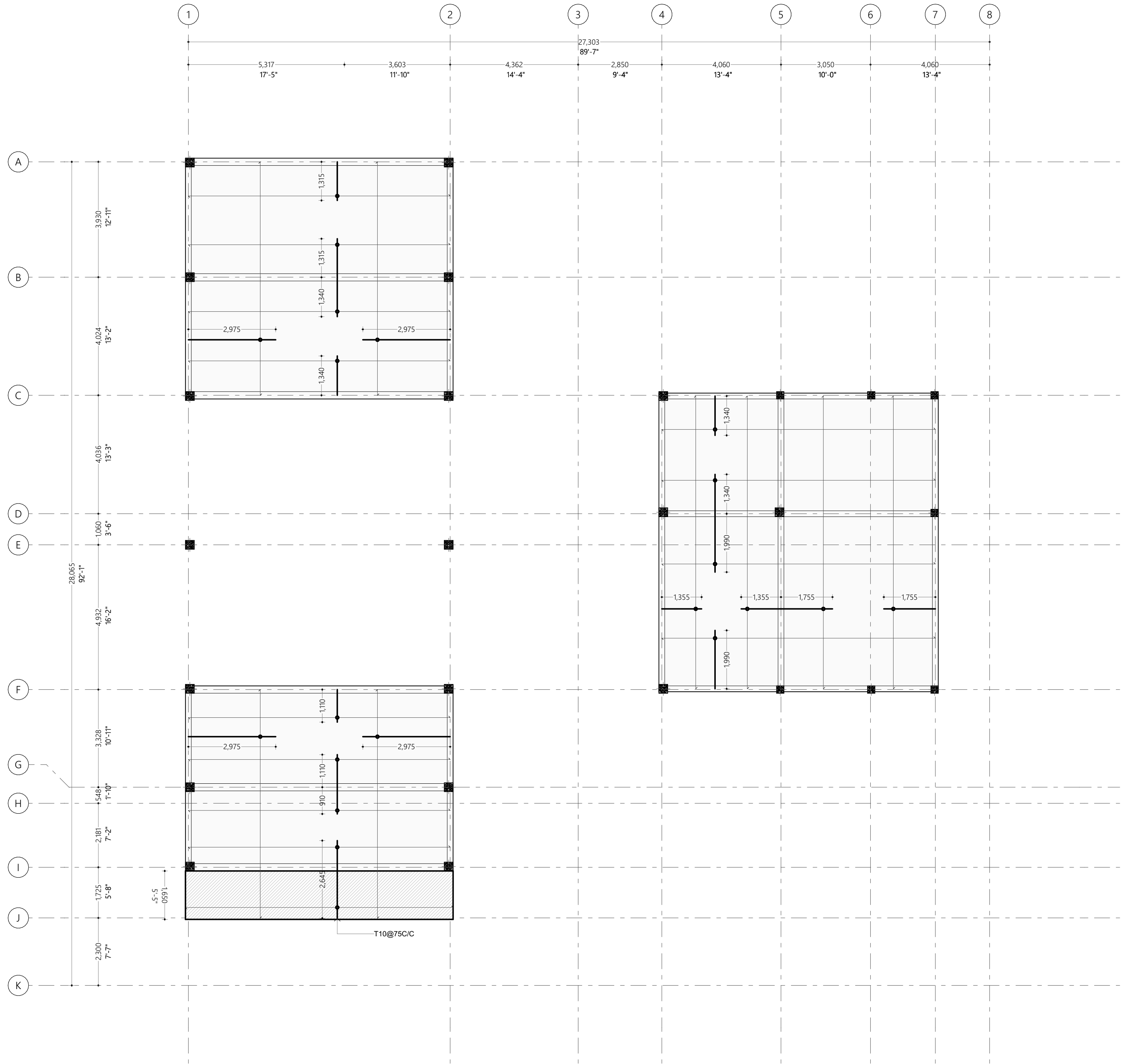
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Roof Slab Reinforcement Plan 2

**Scale :** 1:100

**Doc No :** EP/BLD-AR/2022/Q8/AR-104  
**Date :** Wednesday, August 3,  
2022

**Rev No :** **Pg :** B.3.2





Notes:

- Slab thickness: 150mm
- Shaded area slab thickness: 165mm

Bottom Reinf. - T10@150 C/C B/W throughout (not shown)  
Top Reinf. - T10@150C/C (as shown, unless stated)  
Top Dist. Steel - T10@150 C/C (unless stated)  
Extra Bars - 3T10@45C/C T&B  
Provide 30mm cover  
Reinforcement discontinuous at voids

Roof Slab Reinforcement Plan 3  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
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Floor, Husnuheena Magu, Male', Maldives

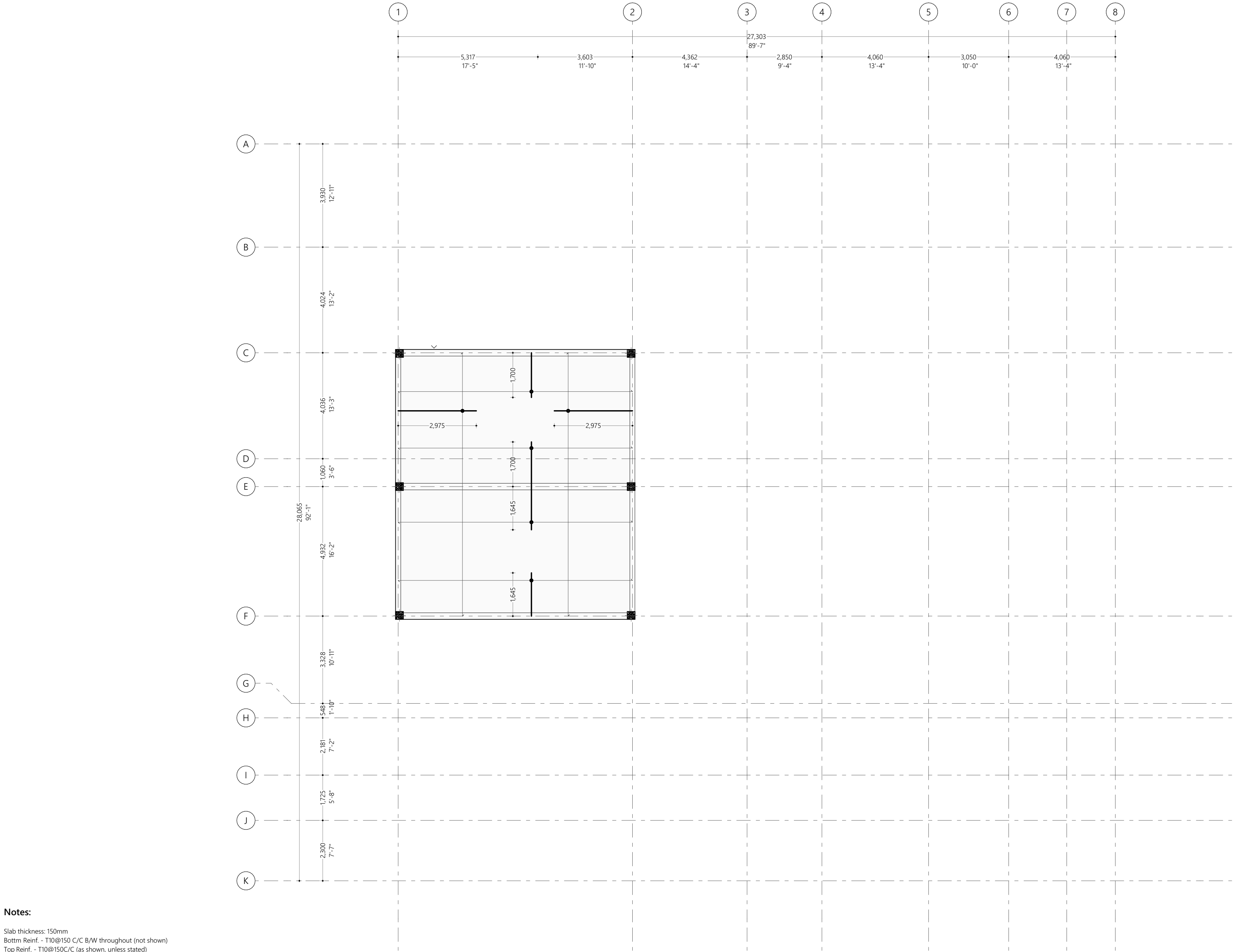
DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Roof Slab Reinforcement Plan 3

**Scale :** 1:100

**Doc No :** EP/BLD-AR/2022/08/AR-104  
**Date :** Wednesday, August 3, 2022

**Rev No :** **Pg :** B.3.3



**Notes:**

Slab thickness: 150mm  
Bottm Reinf. - T10@150 C/C B/W throughout (not shown)  
Top Reinf. - T10@150C/C (as shown, unless stated)  
Top Dist. Steel - T10@150 C/C (unless stated)  
Corner Bars - 3T10@45C/C T&B  
Provide 30mm cover  
Reinforcement discontinuous at voids

**Roof Slab Reinforcement Plan 4**  
1:100

#	REVISION	BY	APP	DATE

**Project :**  
N. Maafaru Custom Building Design

**Client :**  
Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epoch.associates,  
W: www.epochassociates, A/G Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

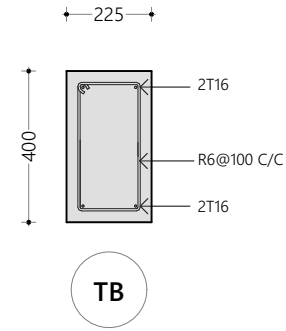
DESIGNER: Mohamed Husam	CHECKED: F. Ihudha Amir
DRAWN: Mohamed Husam	APPROVED: M. Hassaan

**Page Title**  
Roof Slab Reinforcement Plan 4

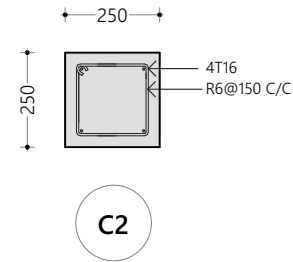
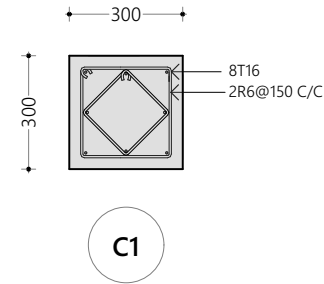
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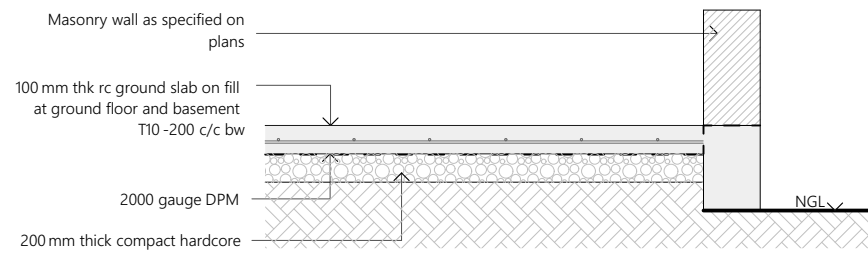
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**Tie Beam Details**  
1:20



**Column Detail**  
1:20

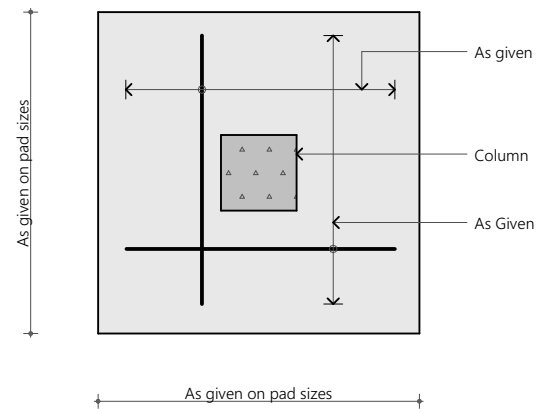


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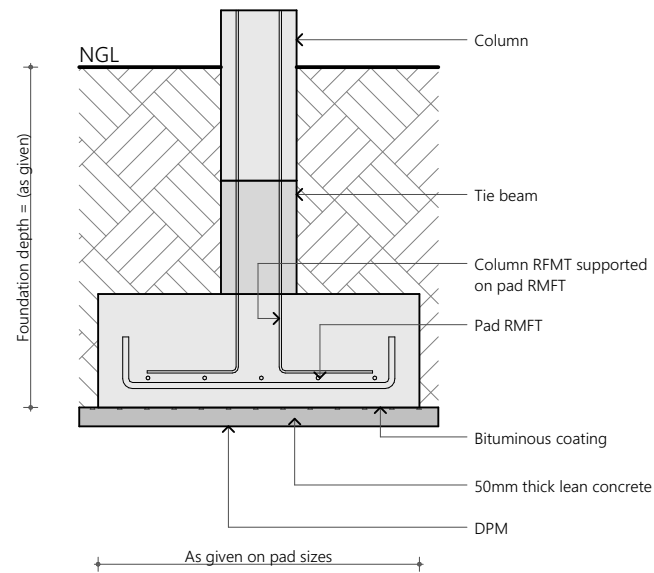
All cover blocks shall be casted using grade C 25 / 30 concrete with 5-10 mm aggregates

For slab, rebar spacer chairs spacing shall be minimum 1m spacing or 1 no. per 1 sqm

**Typical Ground Slab Construction Detail**  
1:20



**Plan View**



**Sectional View**

**Foundation Details:**

	Dimensions	Reinforcement
F1	1300x1300x300	T10@150C/C B/W (B)
F2	1200x1200x300	T10@150C/C B/W (B)
F3	1100x1100x300	T10@150C/C B/W (B)
F4	700x1400x300	T10@125C/C B/W (B)
F5	1000x1000x300	T10@150C/C B/W (B)
F6	900x900x300	T10@150C/C B/W (B)
F7	800x800x300	T10@150C/C B/W (B)
F8	650x650x300	T10@150C/C B/W (B)
F9	550x550x300	T10@125C/C B/W (B)

Foundation Depth = 1000mm

Ground Slab = 100mm thick RC slab on fill reinforced with T10@200C/C (B/W)

All Footings are to be laid on top of 50mm thick lean concrete  
Apply waterproofing to all substructure (below ground elements)

**Notes:**

Cover to foundations = 55mm  
Cover to floor slabs =30mm  
Cover to floor beams =35mm  
Cover to columns = 40mm  
Laps = 45Dia (Dia=Bar Diameter)  
Mid bars = 0.85 x Span  
Sup bars = 1/3 x Span  
Concrete mix = 1:2:3 (C:S:A)  
Lean concrete mix = 1:2:5

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W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

**Page Title**

Structural Detail 01

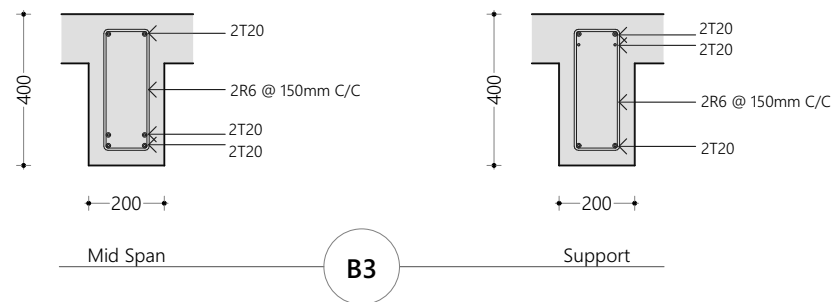
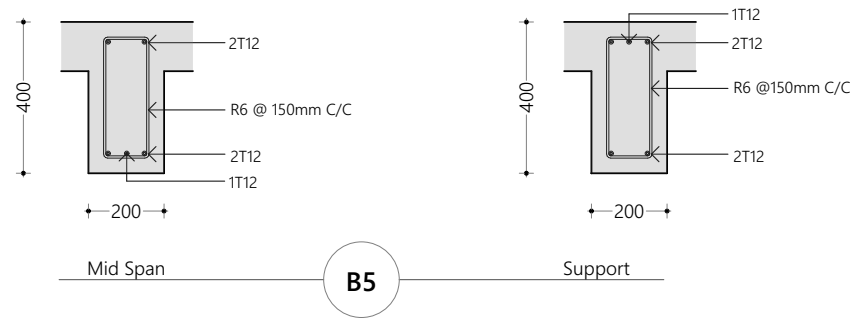
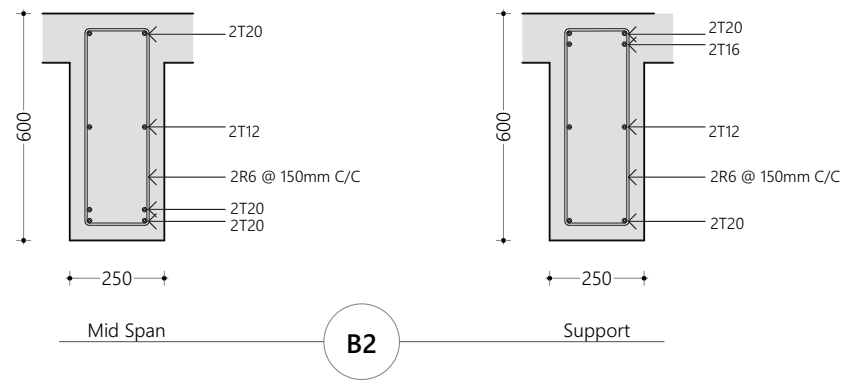
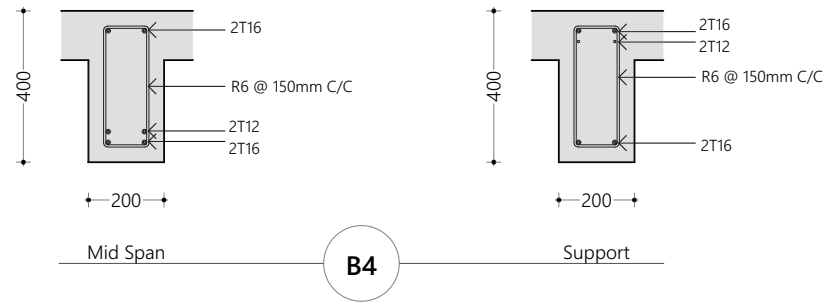
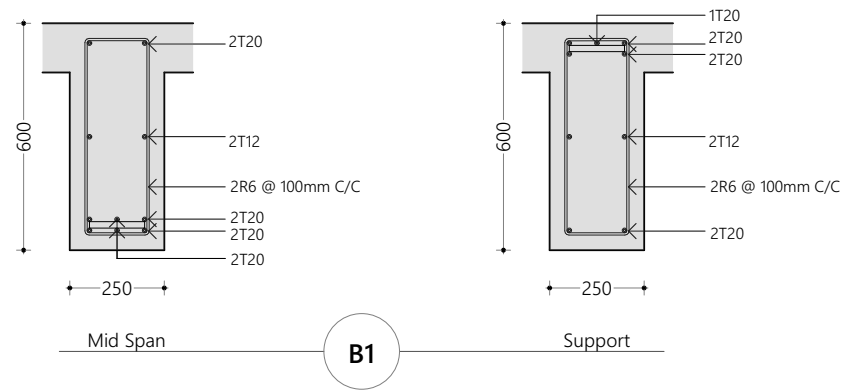
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**Pg** : C.1.1

**Typical Footing Detail**  
1:20



Notes:

Cover to foundations = 55mm  
Cover to floor slabs =30mm  
Cover to floor beams =35mm  
Cover to columns = 40mm  
Laps = 45Dia (Dia=Bar Diameter)  
Mid bars = 0.85 x Span  
Sup bars = 1/3 x Span  
Concrete mix = 1:2:3 (C:S:A)  
Lean concrete mix = 1:2:5

Beam Details  
1:20

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N. Maafaru Custom Building  
Design

Client :

Mr. Ali Maldives Customs Service

Prepared by



T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

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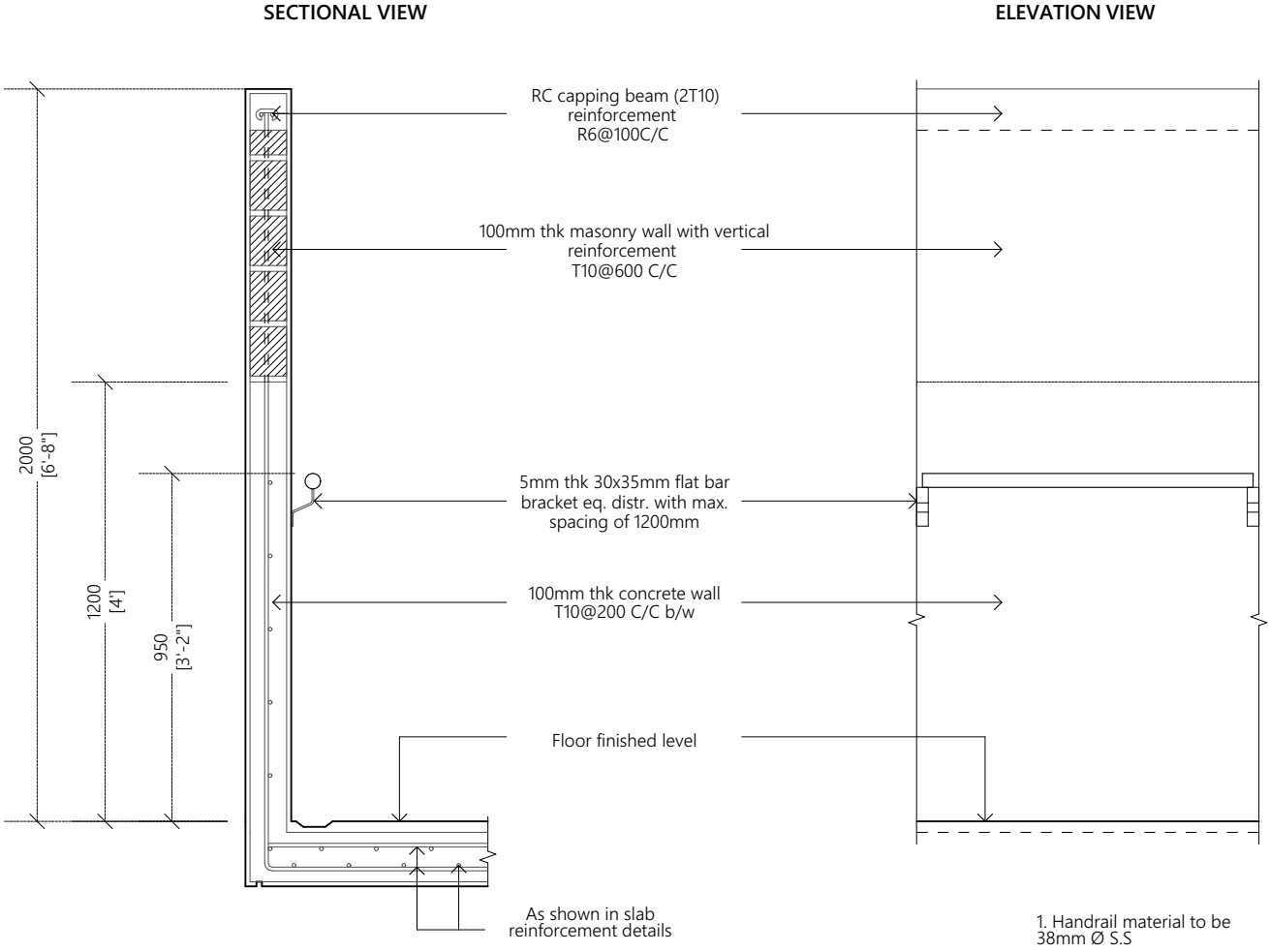
Structural Detail 02

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2022

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Pg : C.1.2



2m Hight RC Wall Detail

1:20

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Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

Page Title

2m Terrace Wall Detail

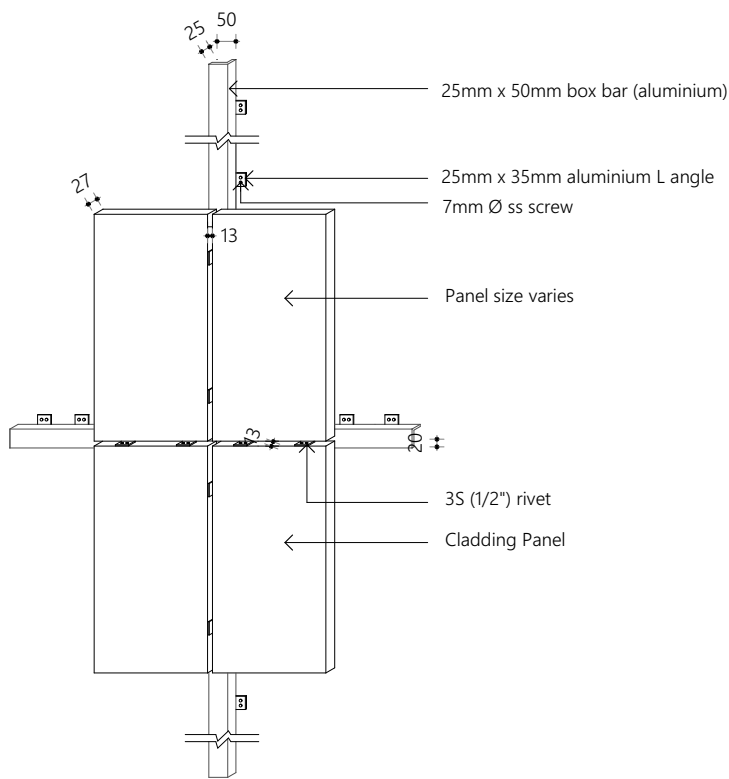
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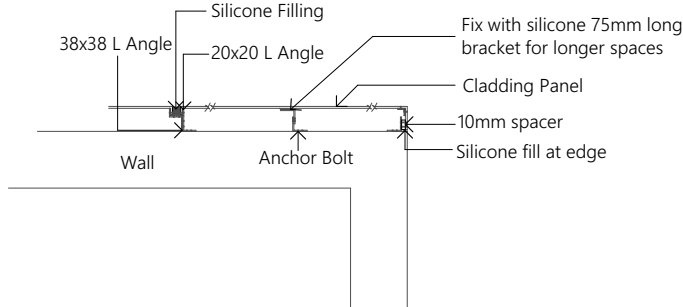
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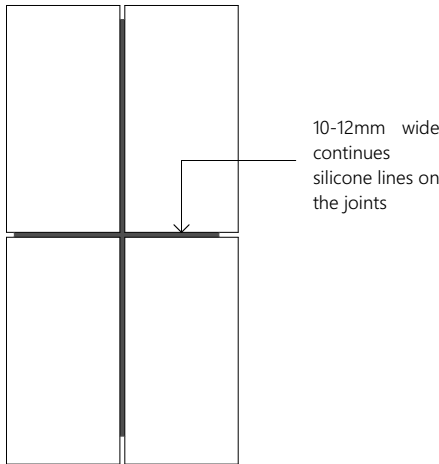




WALL CLADDING FIXING DETAIL



TYPICAL SECTION (including wall edge)



## Cladding Detail

1:20

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Client :

Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

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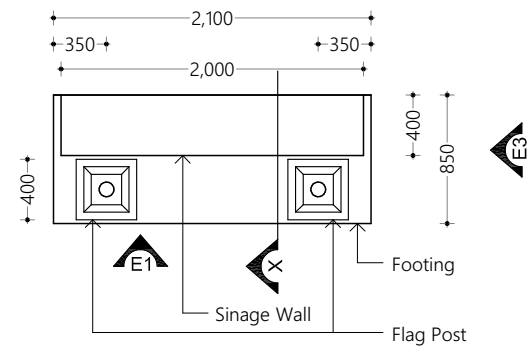
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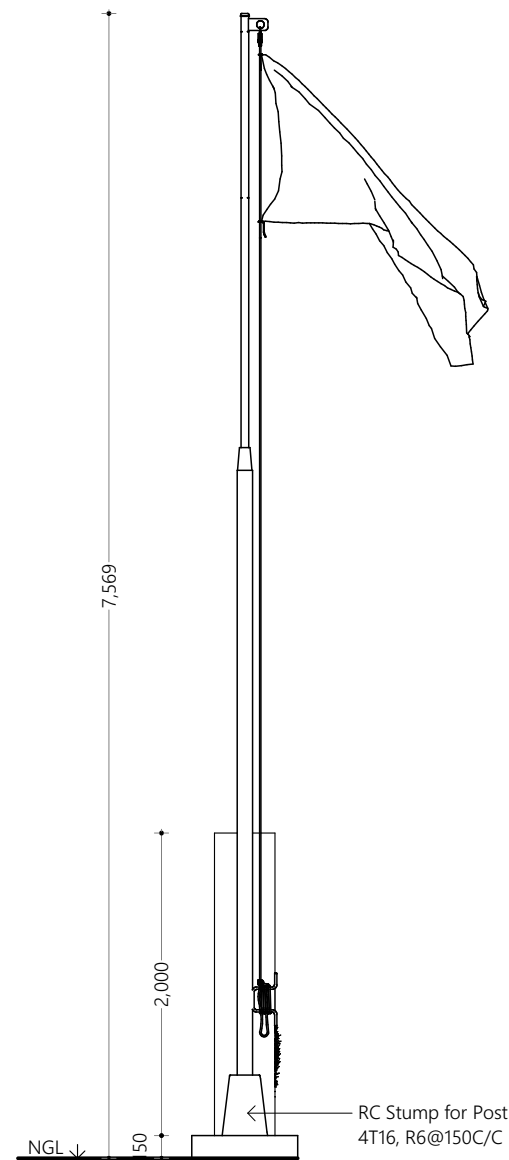
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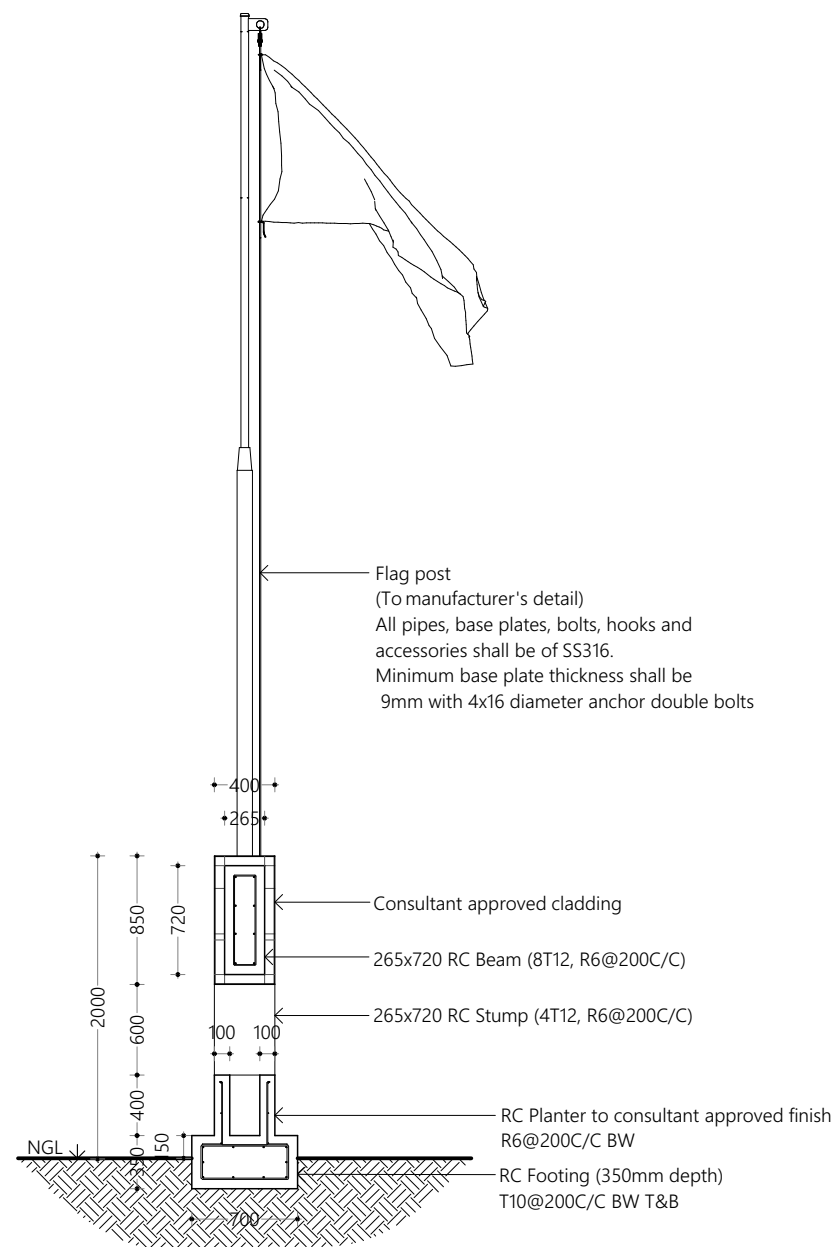
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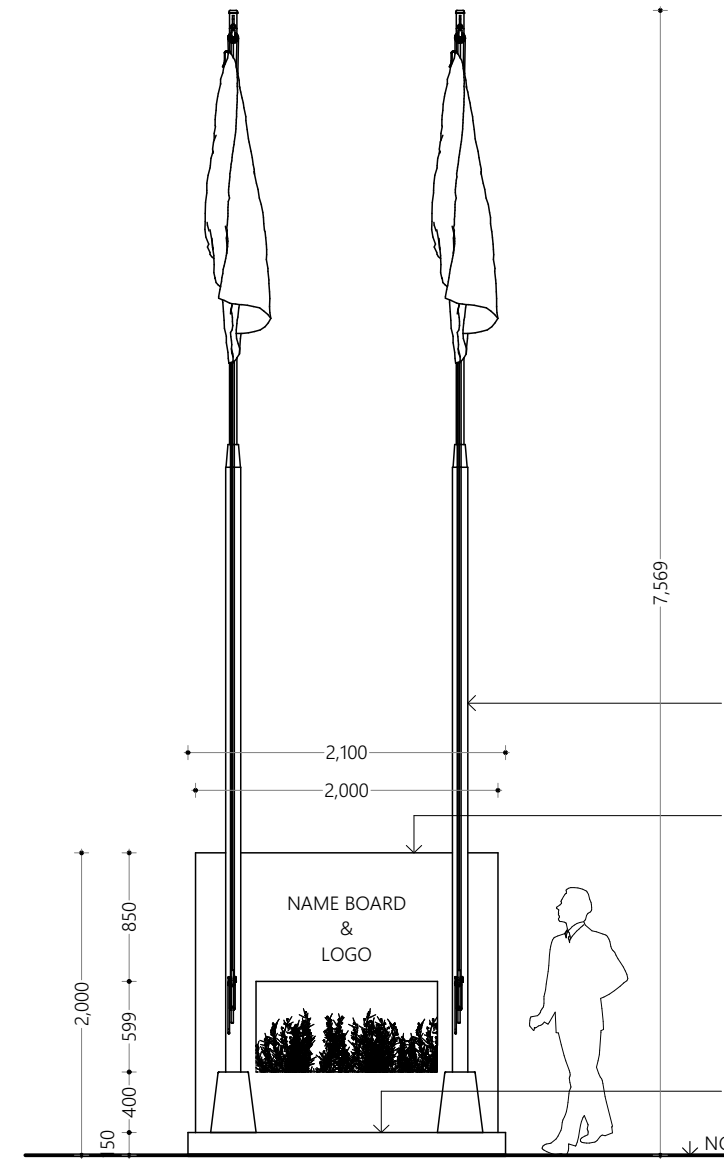
Plan View



Elevation-E3



Section-X



Elevation-E1

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Mr. Ali Maldives Customs Service

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T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

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DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

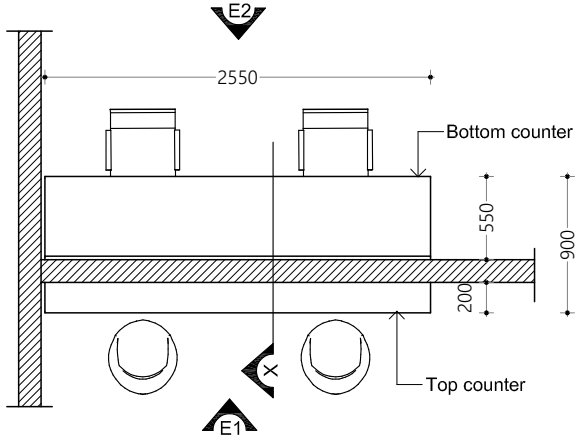
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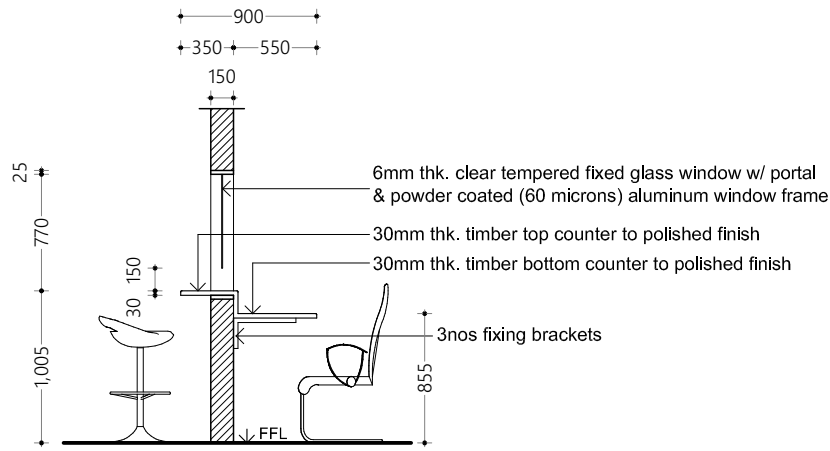
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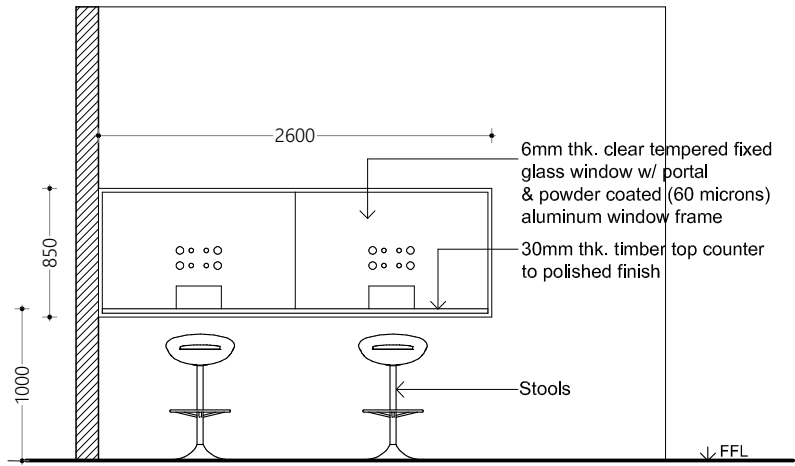
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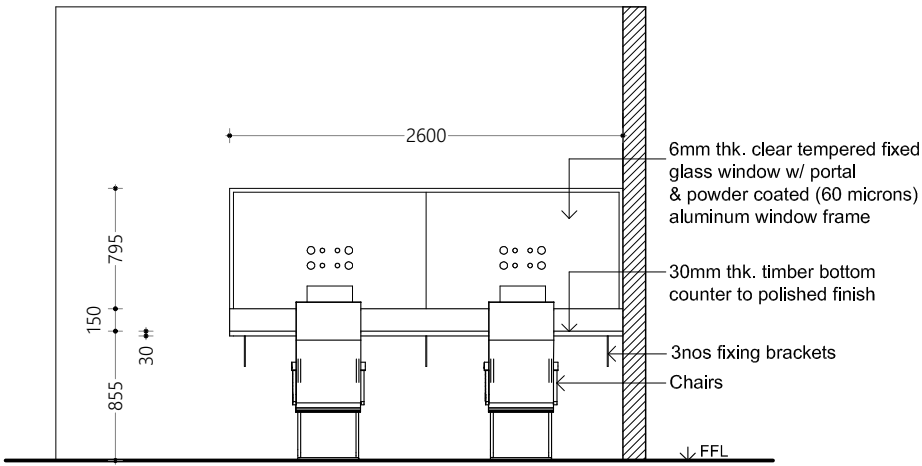
Plan View



Section-X



Elevation-E1



Elevation-E2

## Counter Details

1:50

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**Client :**

Mr. Ali Maldives Customs Service

**Prepared by**

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

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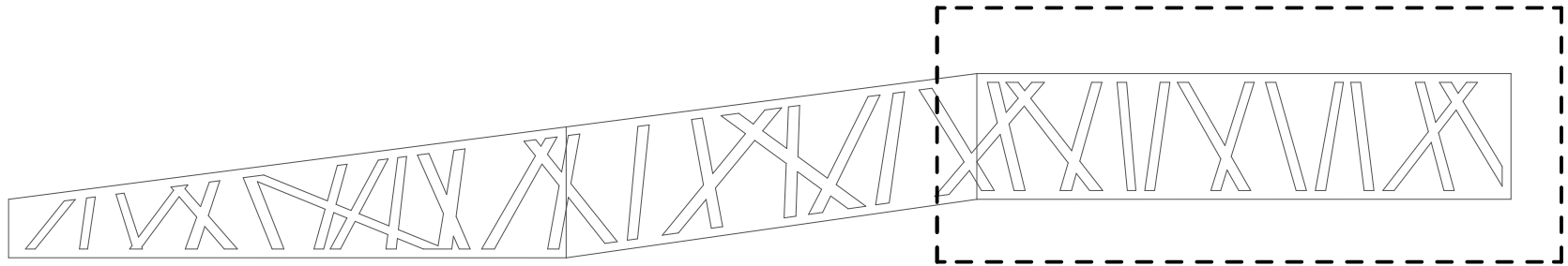
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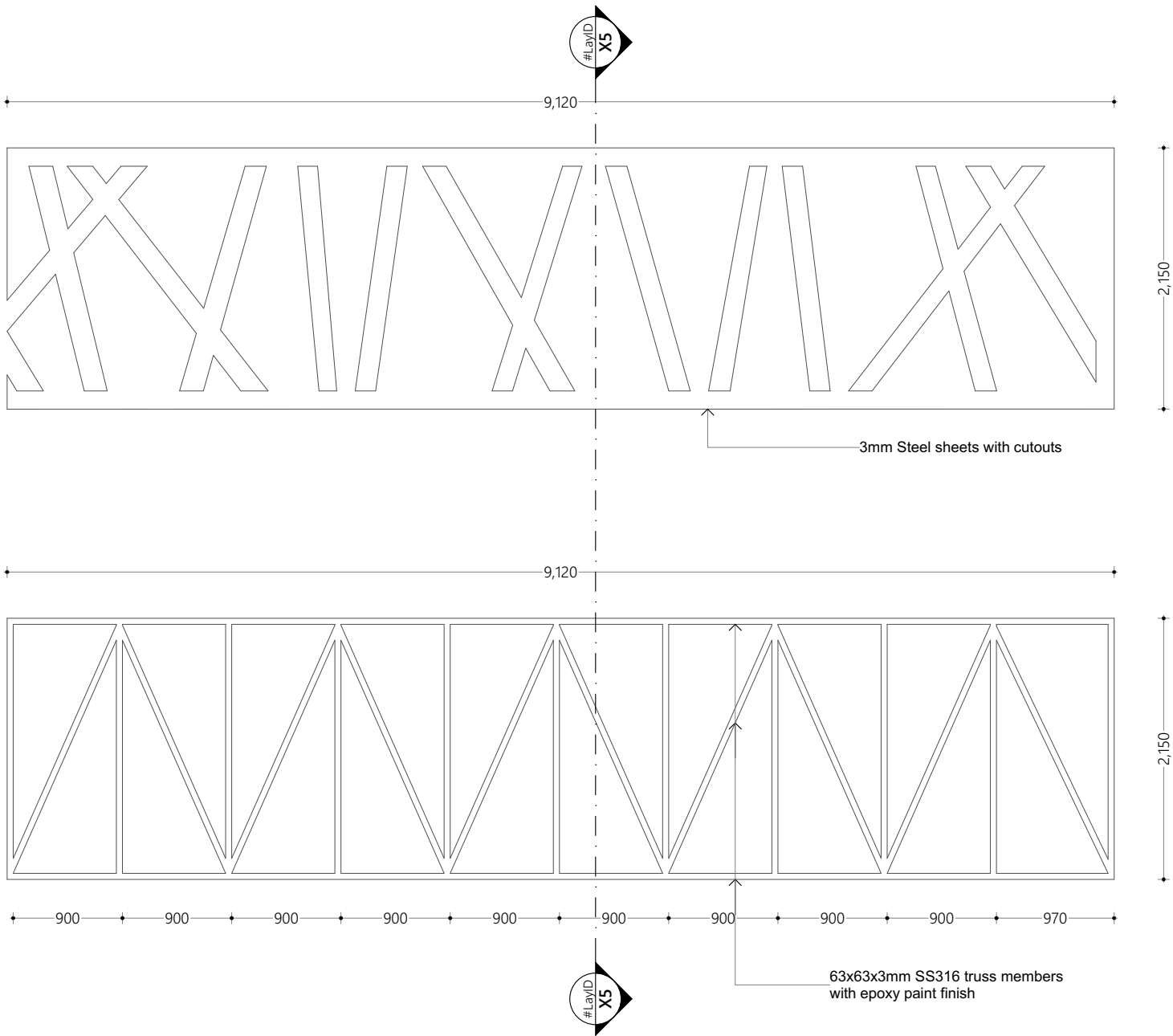
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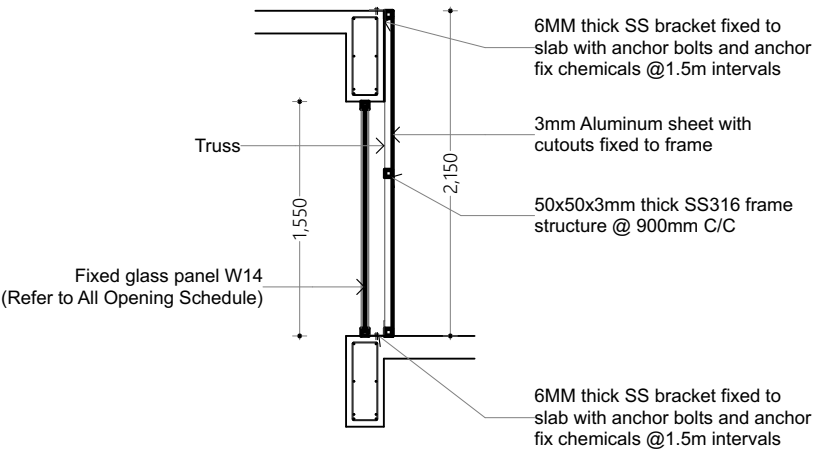
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Key Plan  
1:50



Elevation  
1:50



Section  
1:50

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Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Malé, Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

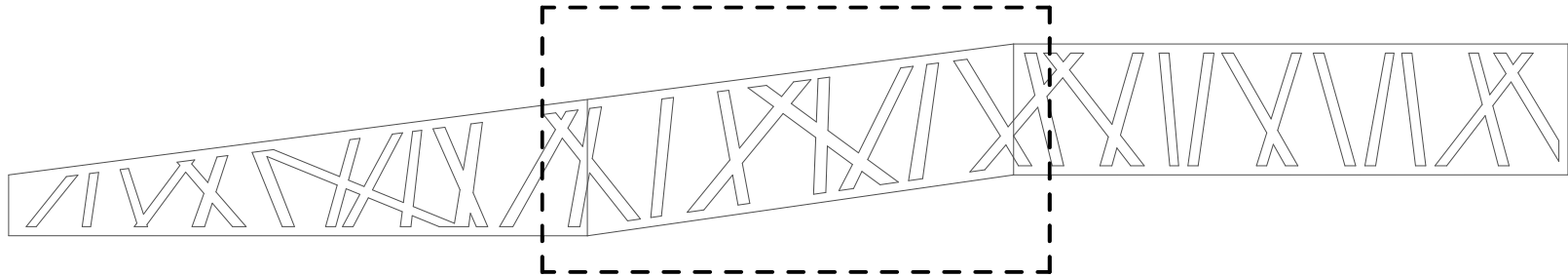
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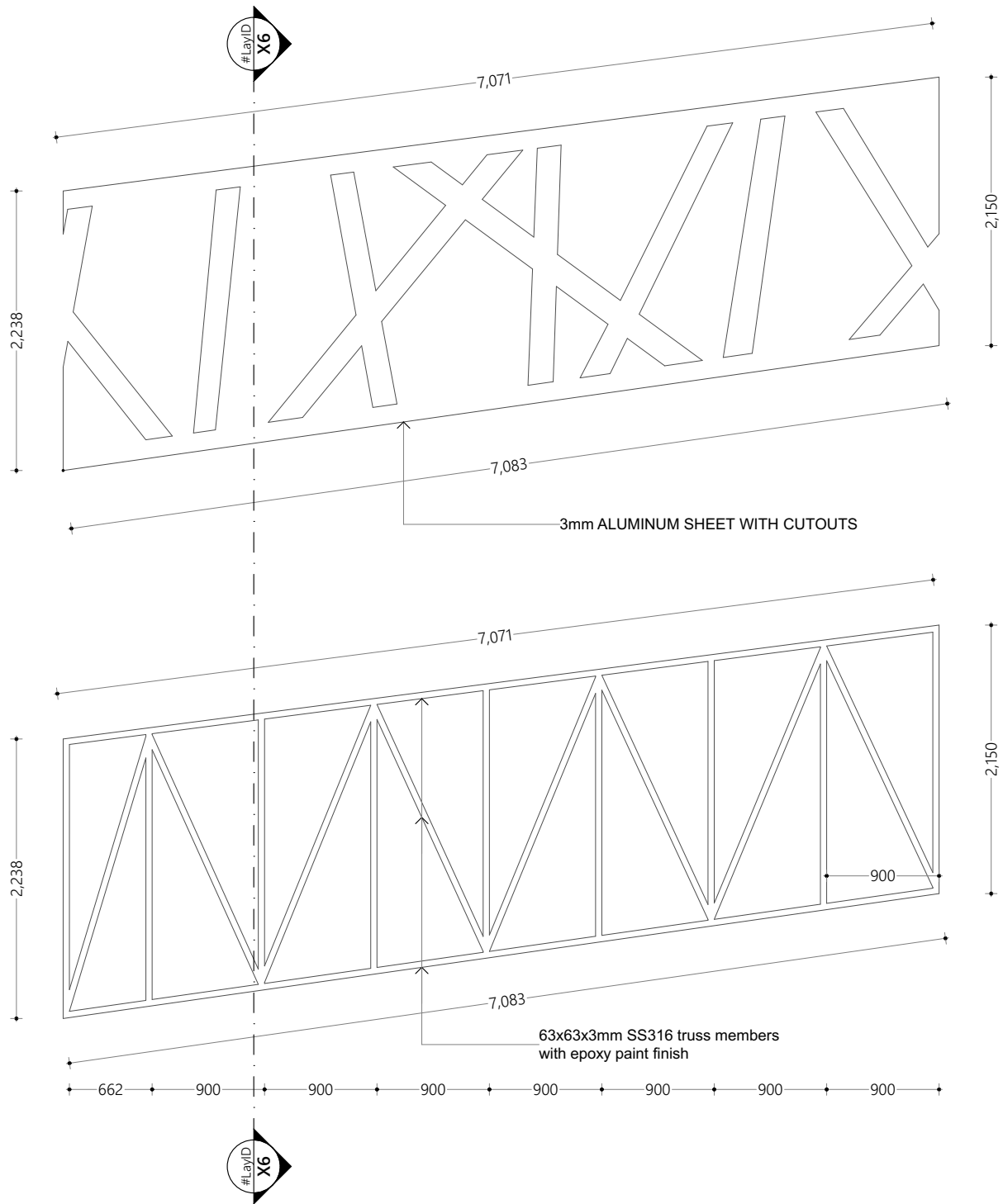
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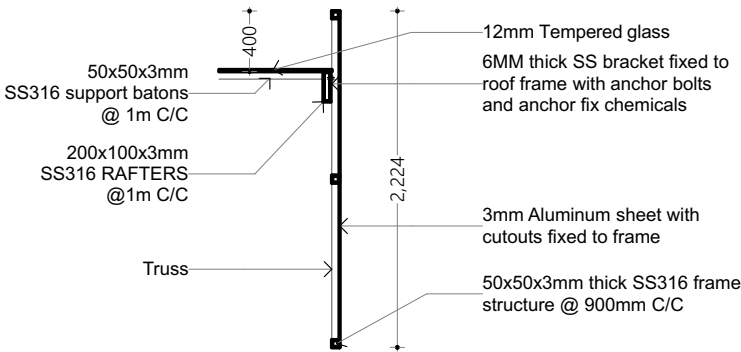




Key Plan  
1:50



Elevation  
1:50



Section  
1:50

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Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A/G: Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

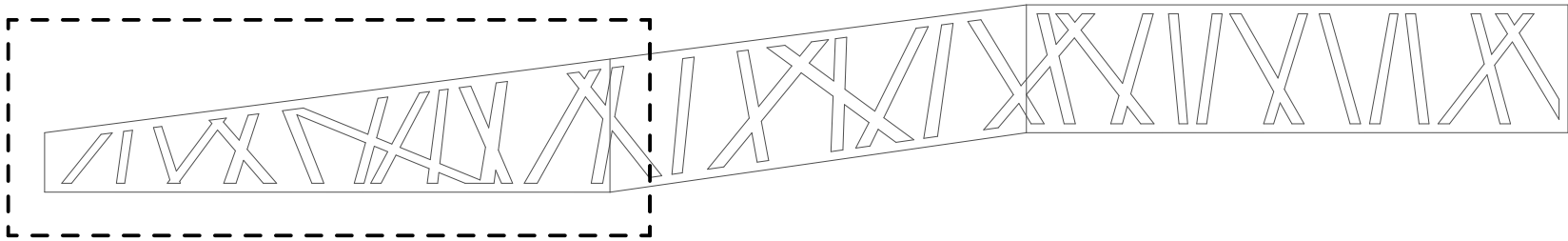
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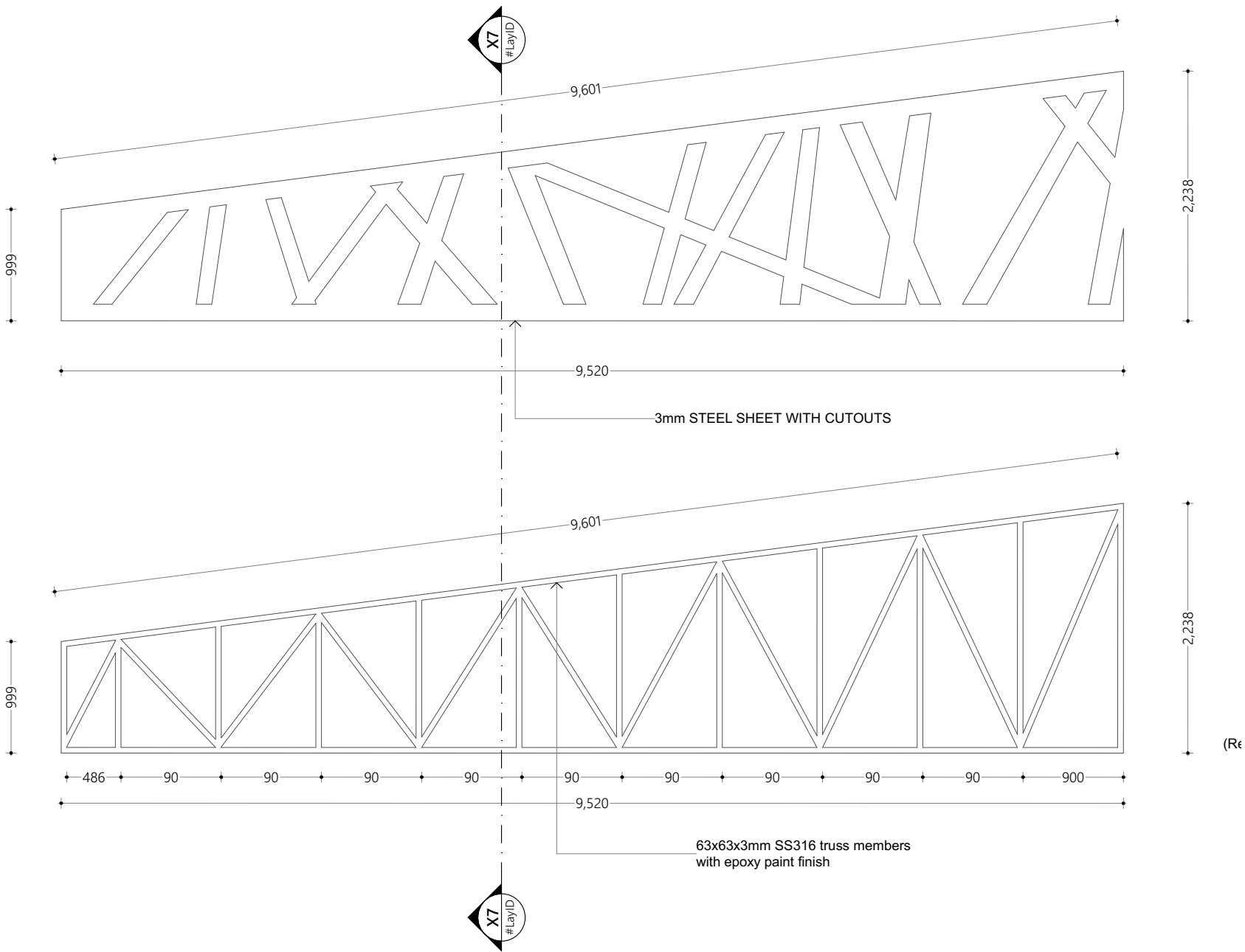
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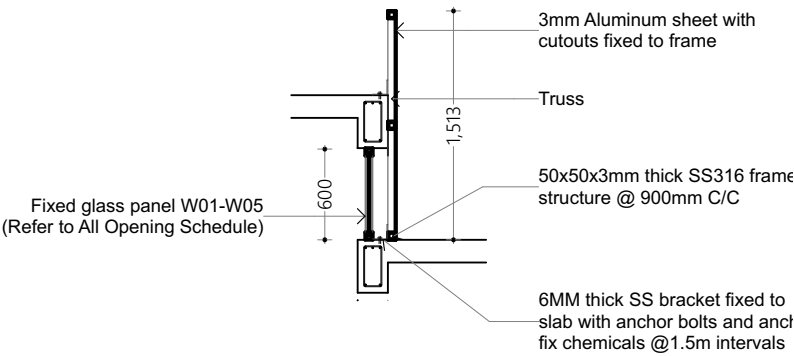
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Key Plan  
1:50



Elevation  
1:50



Section  
1:50

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Mr. Ali Maldives Customs Service

**Prepared by**

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W: www.epochassociates, A.G.Rosary West, 3<sup>rd</sup>  
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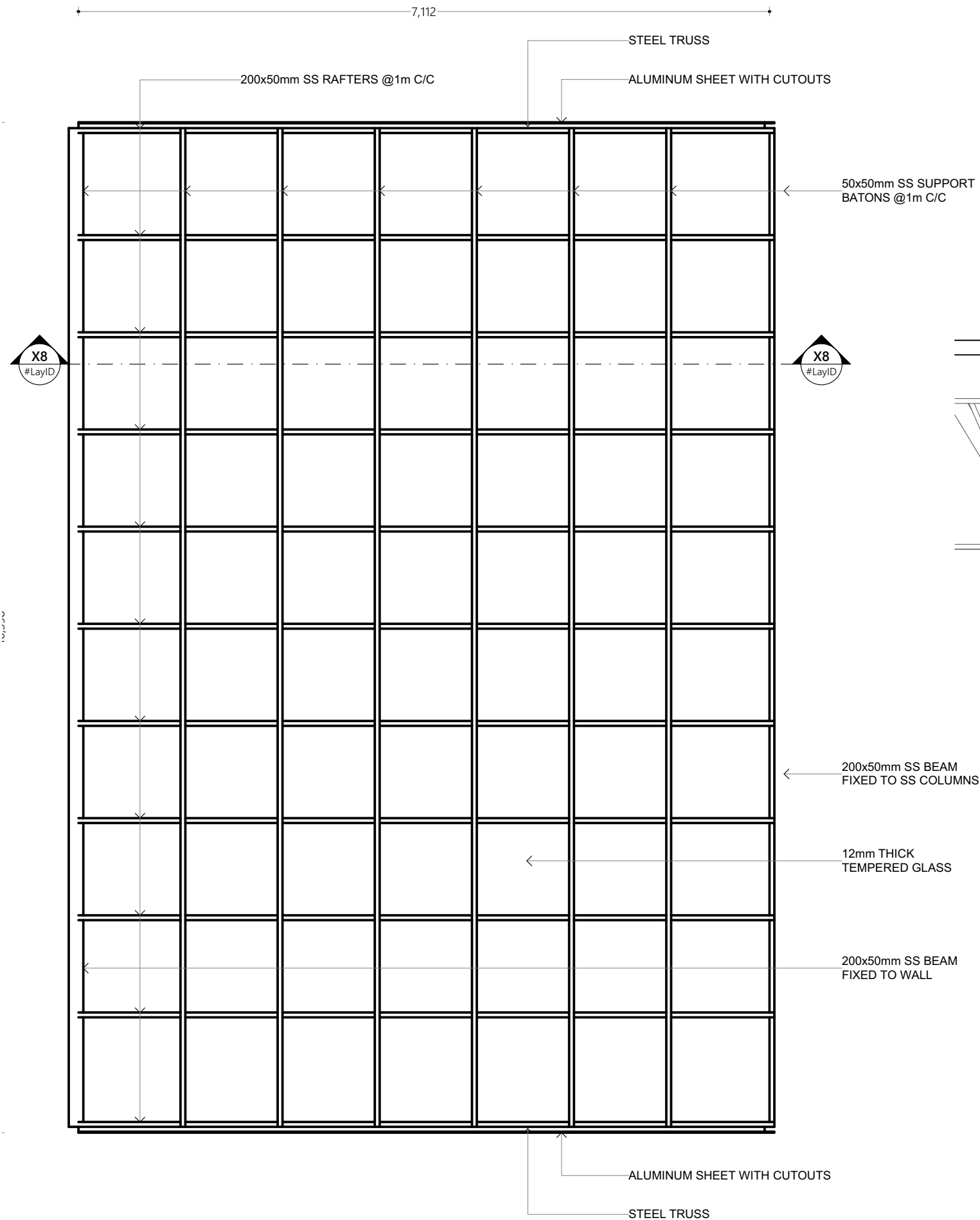
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**Page Title**  
Roof structure Detail 3

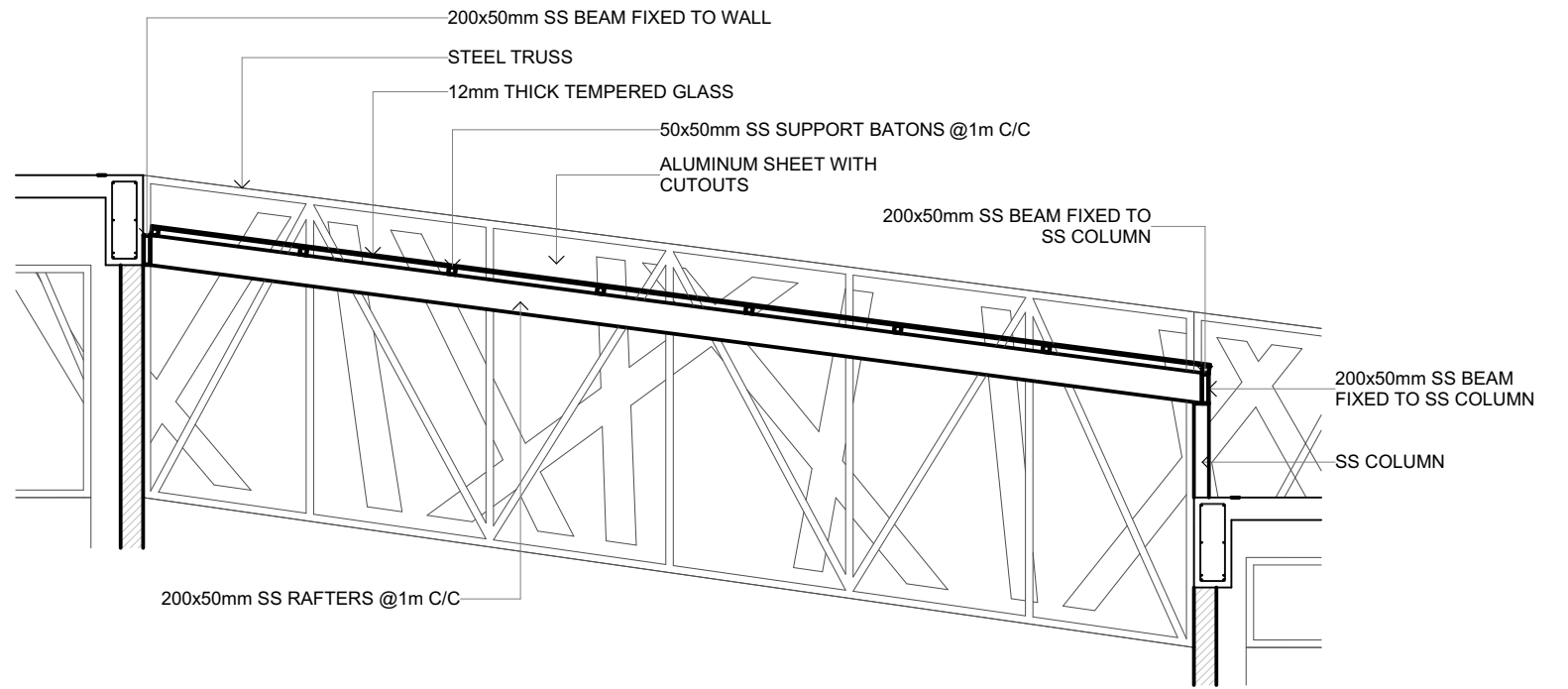
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Plan  
1:50



Section  
1:50

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N. Maafaru Custom Building Design

Client :

Mr. Ali Maldives Customs Service

Prepared by

T: +960 333 3528, E: info@epochassociates,  
W: www.epochassociates, A/G: Rosary West, 3<sup>rd</sup>  
Floor, Husnuheena Magu, Male', Maldives

ARCHITECT: F. Ihudha Amir	ARCH CHECKED: M. Hassaan
DRAWN: Mohamed Husham	STRU CHECKER: Ihsaan Waheed

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Roof Structure Detail 4

Scale : 1:50

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