ARCHITECTURAL & STRUCTURAL DRAWINGS OF

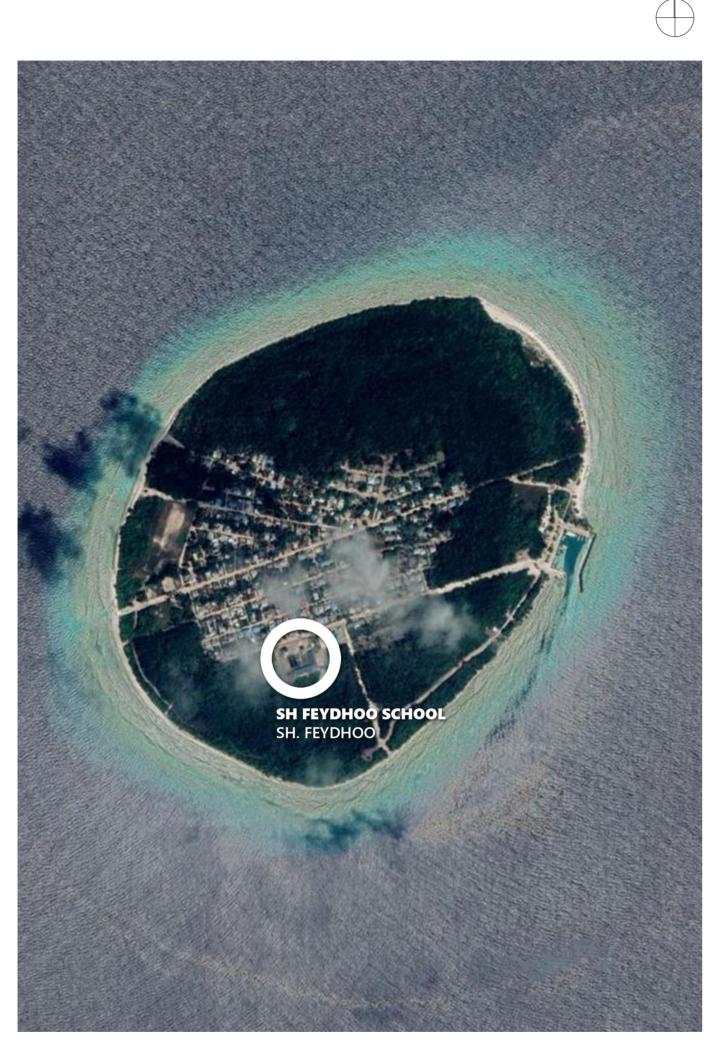
PROPOSED 03 STOREY BUILDING

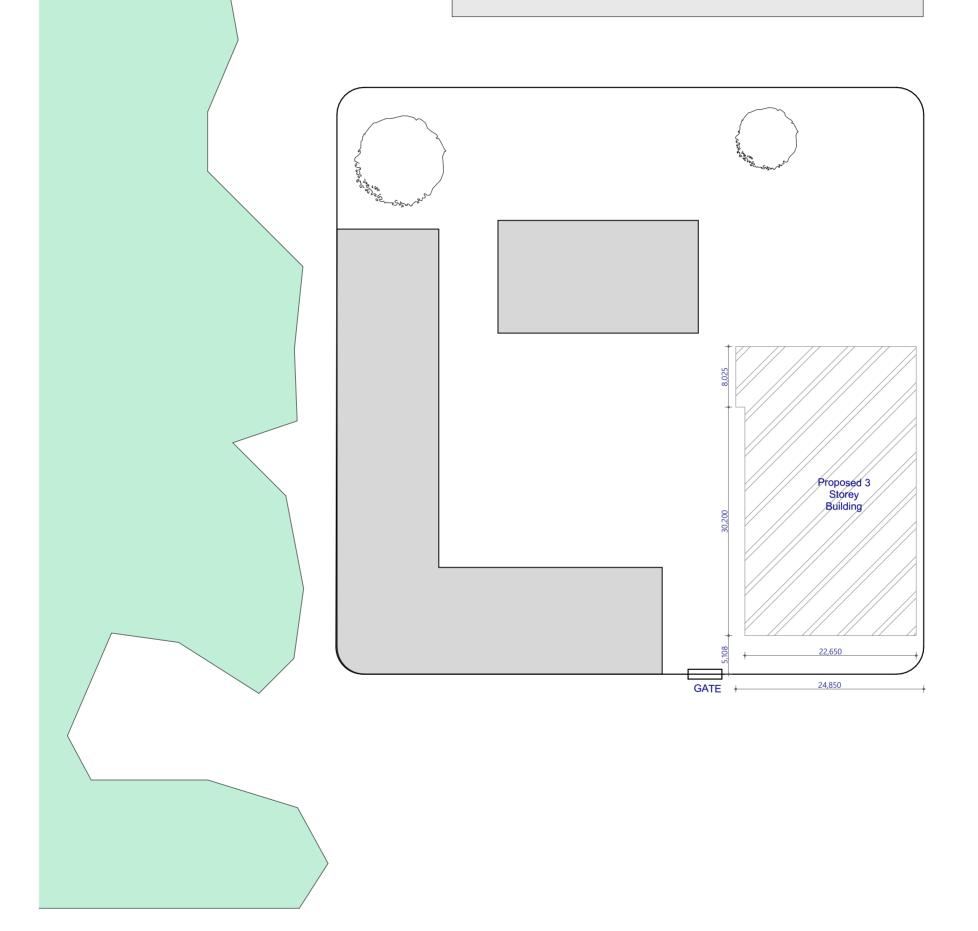
Sh.Feydhoo Multipurpose Hall and 8 classrooms

For Ministry of Education, Maldives



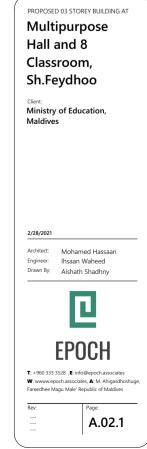
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A.02.1	Site				
A.03.1	Ground Floor Plan				
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C.02.1	Structural 3D			$\boxtimes$	
C.02.2	Architectural 3D View 1				
C.02.3	Architectural 3D View 2	-			

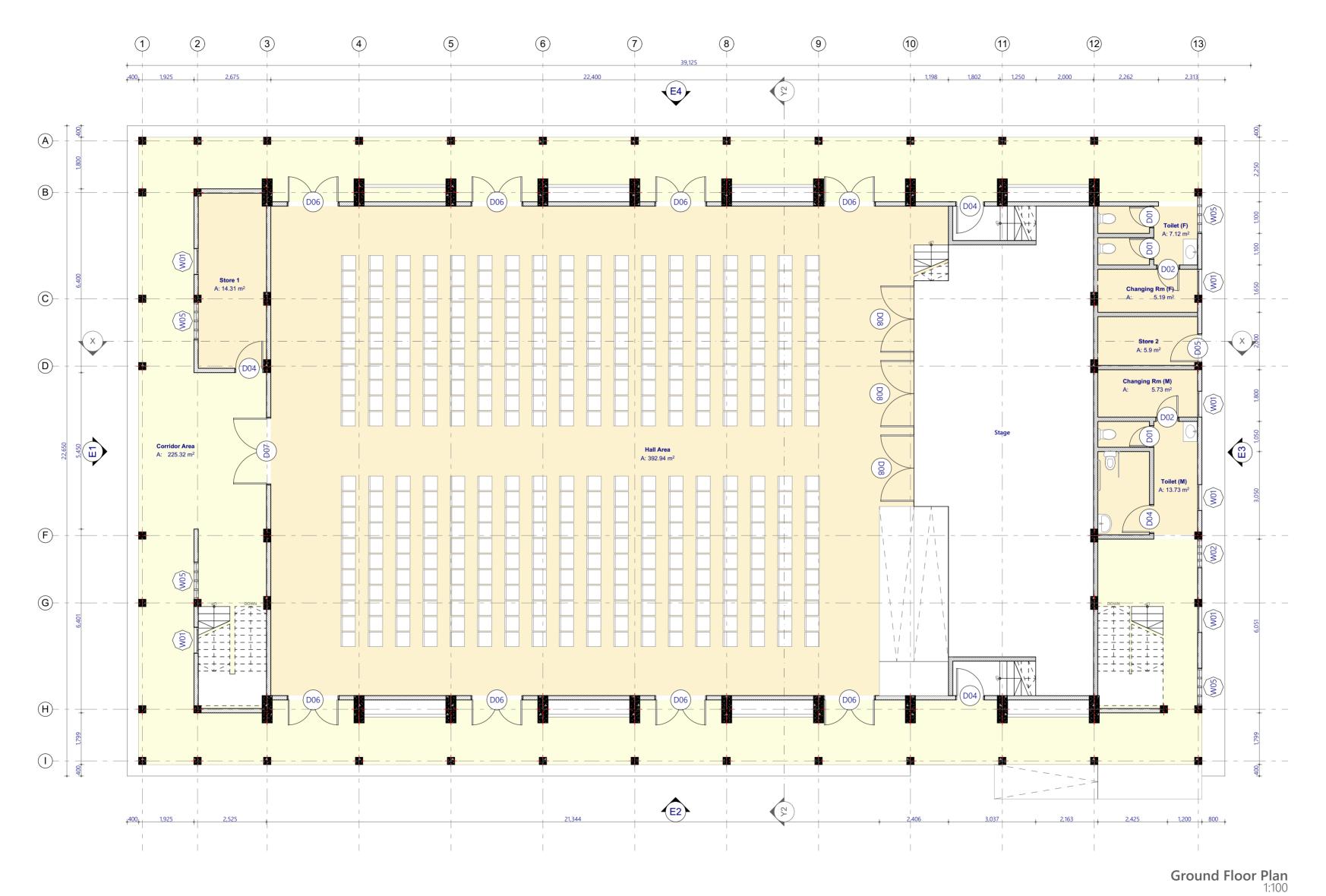




Location Plan 1:81.77

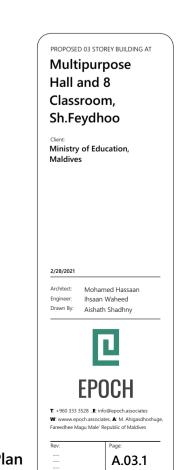
Site Plan 1:500

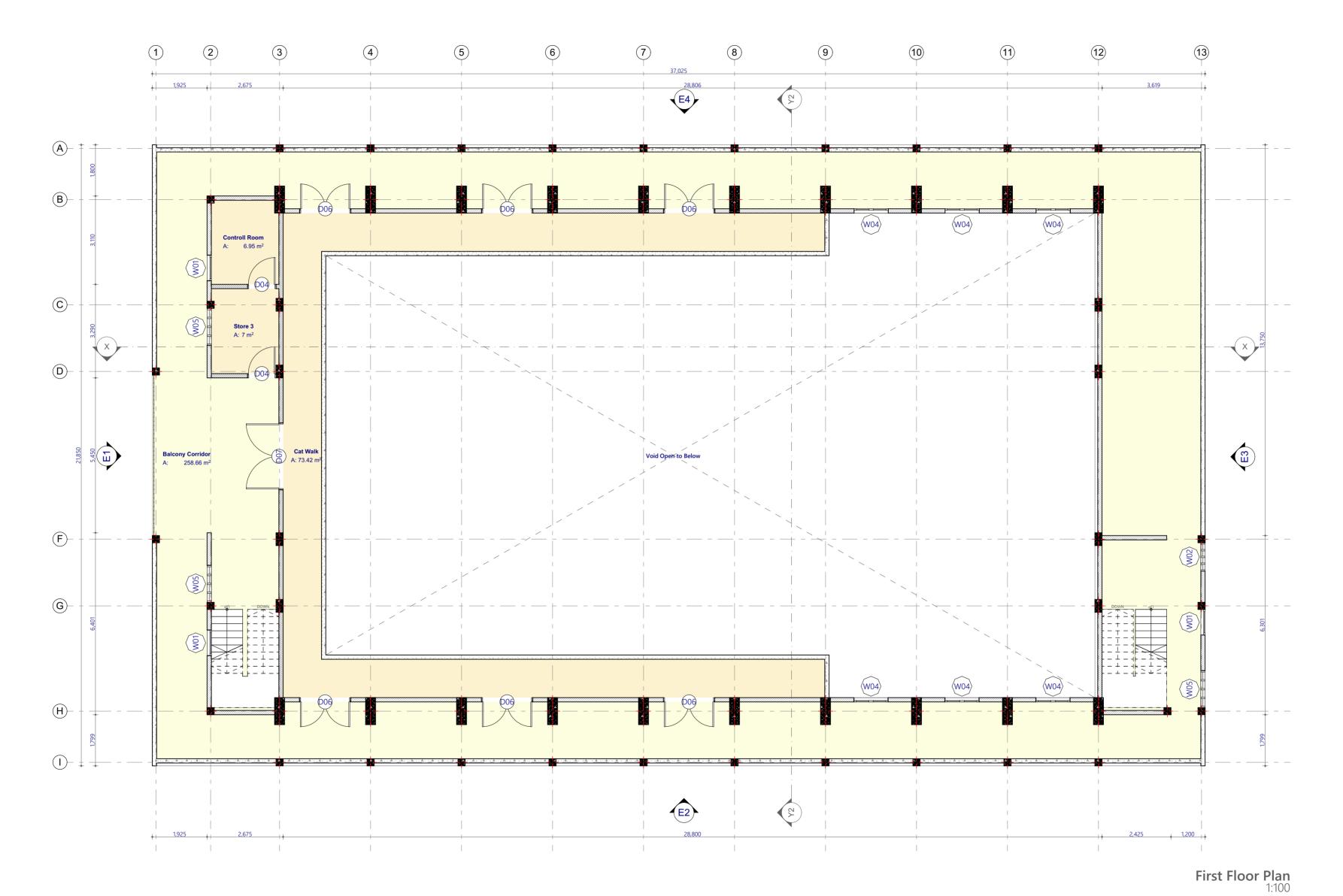




Wall Legend						
2D Plan Preview	Description					
	1200mm high 150mm thick concrete balcony wall as per structural detail					
	150mm thick exterior masonry wall with 25mm plaster on exterior and 16mm plaster on interior finished with selected paint					
	150mm thick interior masonry wall with 16mm plaster on both sides finished with selected paint					
	350mm high 100mm thick exterior planter box masonry wall with 25mm plaster on both sides finished with selected paint					

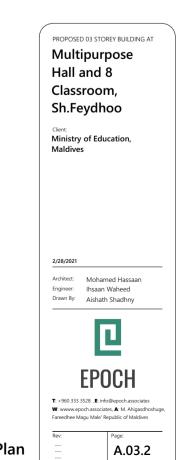
	Zone schedule							
Home Story	Zone Name		Ceiling Level	Ceiling Finishes	Wall Finishes			
Ground	Floor							
	Changing Rm (F)	5.19	+350	300 X 300mm Homogenous non-slip tiles over 50mm screed		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Changing Rm (M)	5.73	+350	300 X 300mm Homogenous non-slip tiles over 50mm screed		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Corridor Area	225.32	+300	Self leveling cement floor screed with epoxy floor paint finish		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Hall Area	392.94	+350	Self leveling cement floor screed with epoxy floor paint finish		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Store 1	14.31	+350	600X600mm homogenous non-skid tiles on 50mm screed		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Store 2	5.90	+350	600X600mm homogenous non-skid tiles on 50mm screed		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Toilet (F)	7.12	+350	300 X 300mm Homogenous non-slip tiles over 50mm screed	+3000	Cementboard ceiling fixed to timber frames, with ground smooth finish in selected paint	300mm X 300mm Homogenous wall tiles	
	Toilet (M)	13.73	+350	300 X 300mm Homogenous non-slip tiles over 50mm screed	+3000	Cementboard ceiling fixed to timber frames, with ground smooth finish in selected paint	300mm X 300mm Homogenous wall tiles	





Wall Legend						
2D Plan Preview	Description					
	1200mm high 150mm thick concrete balcony wall as per structural detail					
	150mm thick exterior masonry wall with 25mm plaster on exterior and 16mm plaster on interior finished with selected paint					
	150mm thick interior masonry wall with 16mm plaster on both sides finished with selected paint					
	350mm high 100mm thick exterior planter box masonry wall with 25mm plaster on both sides finished with selected paint					

	IES-03 Zone schedule copy 2							
Home Story Zone Name Story Area (sqm) Level Floor Finishes Ceiling Level Ceiling Level Ceiling Finishes Wall Finishes					Wall Finishes			
First Floo	First Floor							
	Balcony Corridor	258.66	+3800	Self leveling cement floor screed with epoxy floor paint finish		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Cat Walk	73.42	+3850	Self leveling cement floor screed with epoxy floor paint finish		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Controll Room	6.95	+3850	600X600mm homogenous non-skid tiles on 50mm screed		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	
	Store 3	7.00	+3850	600X600mm homogenous non-skid tiles on 50mm screed		Exposed slab soffit to be finished with ground smooth finish in selected paint	16mm plaster, applied with ground smooth finished with selected paint	





PROPOSED 03 STOREY BUILDING AT

Multipurpose
Hall and 8
Classroom,
Sh.Feydhoo

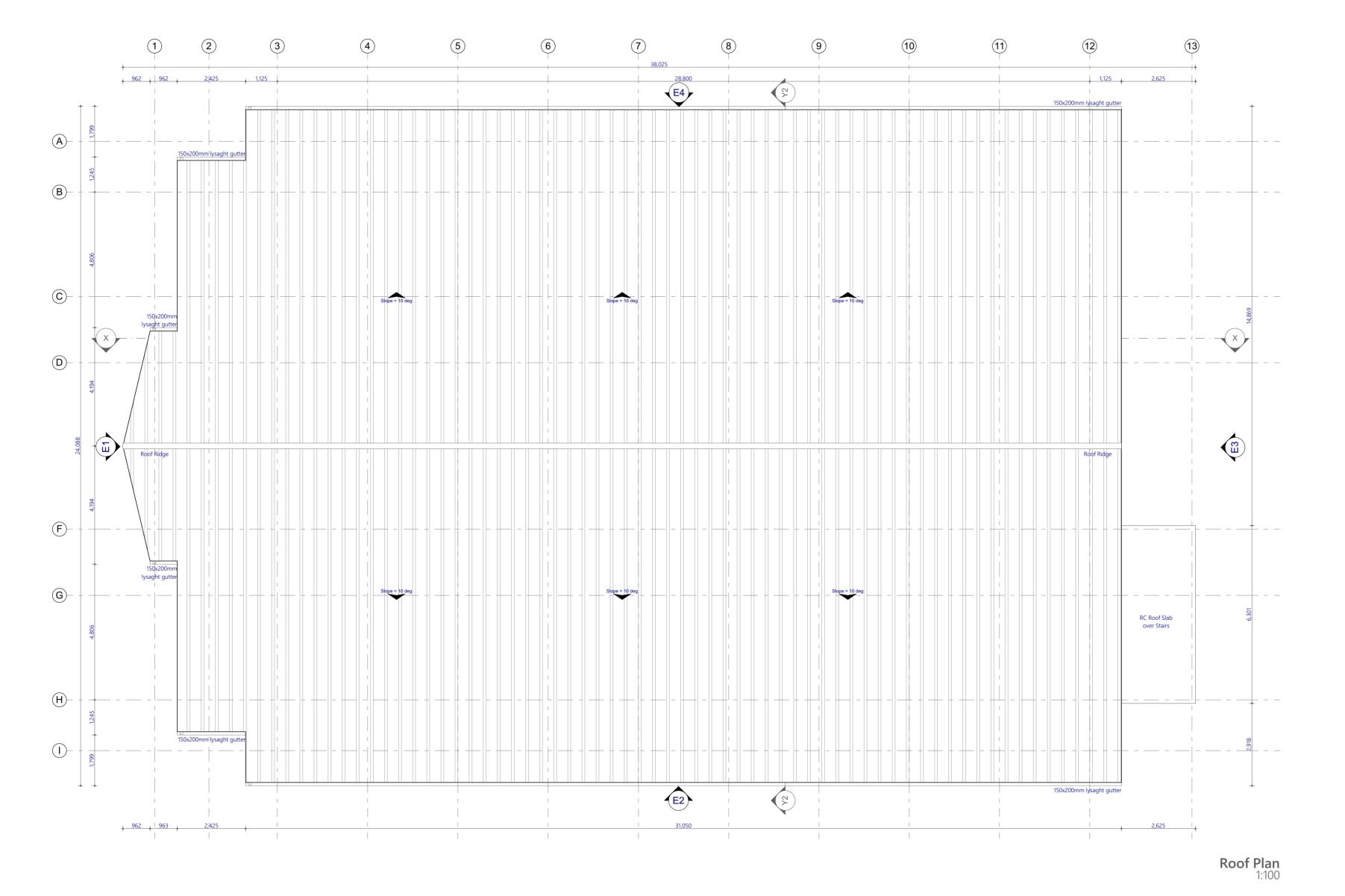
Client:
Ministry of Education,
Maldives

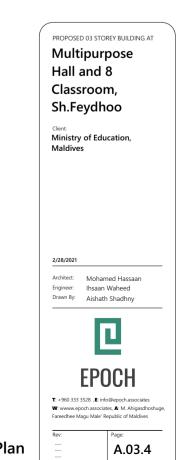
Architect:
Mohamed Hassaan
Engineer:
Ihsaan Waheed
Drawn By:
Aishath Shadhny

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Fareedhee Magu Male' Republic of Maldives

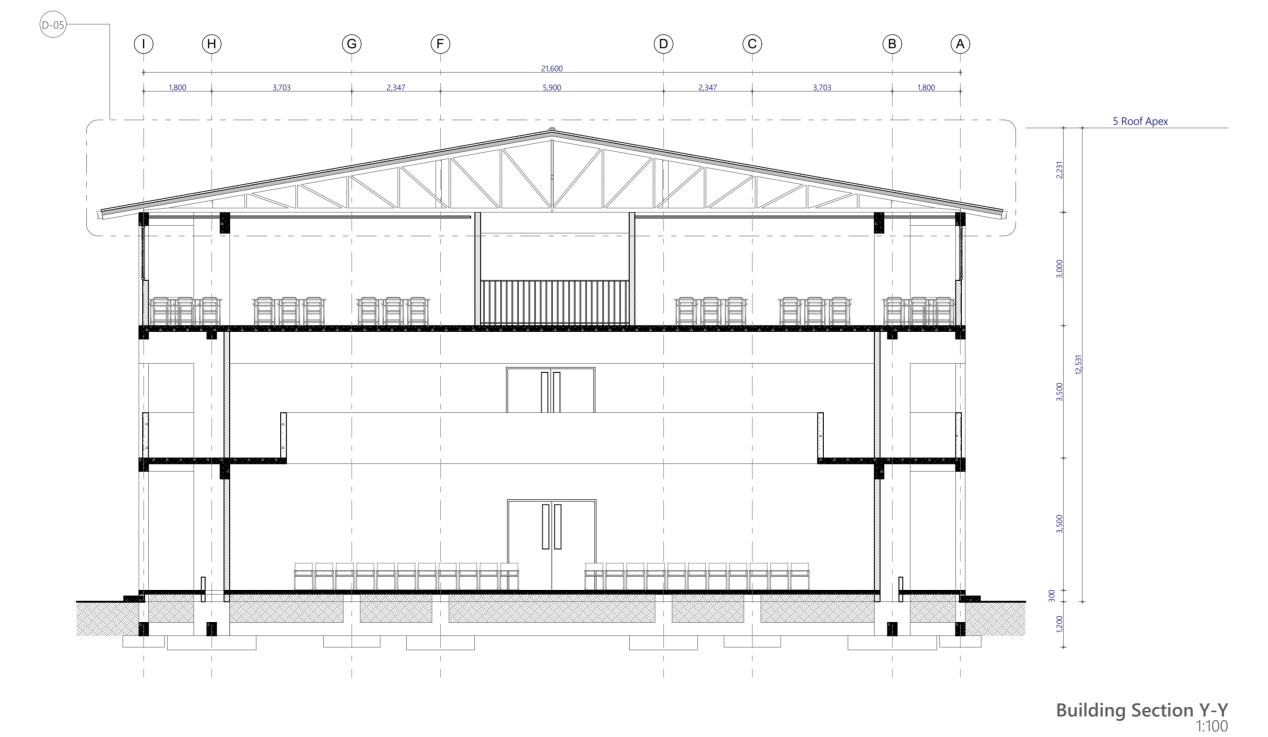
A.03.3

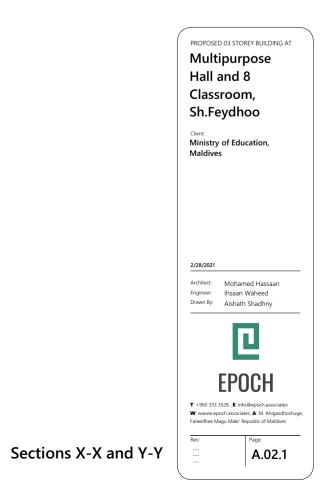






Building Section X-X 1:100











Elevation E1 & E2

PROPOSED 03 STOREY BUILDING AT
Multipurpose
Hall and 8
Classroom,
Sh.Feydhoo

Client:
Ministry of Education,
Maldives

Architect: Mohamed Hassaan Engineer: Ihsaan Waheed Drawn By: Aishath Shadhny

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A.05.1





PROPOSED 03 STOREY BUILDING AT
Multipurpose
Hall and 8
Classroom,
Sh.Feydhoo

Client:
Ministry of Education,
Maldives

Architect: Mohamed Hassaan Engineer: Ihsaan Waheed Drawn By: Aishath Shadhny

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Elevation E3 and E4

Page: **A.05.2** 

	All Openings Schedule								
Element ID	D01	D02	D03	D04	D05	D06	D07		
Quantity	7	2	16	9	1	14	2		
W x H Size	750×2,400	800×2,400	900×2,400	1,000×2,400	1,000×2,650	1,800×2,400	2,350×2,400		
Sill height	0	100	0	0	0	0	0		
Head height	2,400	2,500	2,400	2,400	2,650	2,400	2,400		
2D Symbol	750	800	900	1,000	1,000	1,800	2,350		
View from Side Opposite to Opening Side	750	2,400	2,400	1,000	1,000	1,800	2,350		

## **Door and Window Notes**

Dimensions shown on DWG indicate effective openings of frame

All frame depths are 100mm All door panel thicknesses are 35mm

All window panel thickness are 25mm Al frame edges shal be trimmed 3mm

All wooden components should be wood stained finish

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

All hardware should be provided for the performance of al functions of the units

Hinges shall confirm t

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

Door and Window Schedule



			All Openings Schedule			
Element ID	D08	W01	W02	W03	W04	W05
Quantity	3	12	3	4	6	10
W x H Size	2,370×800	900×1,000	1,000×2,600	1,200×750	1,200×1,200	1,300×2,600
Sill height	0	1,450	50	1,700	1,300	50
Head height	800	2,450	2,650	2,450	2,500	2,650
2D Symbol	2,370	* 900 *	1,000	<sub>₹</sub> 1,200	1,200	1,300
View from Side Opposite to Opening Side	2,370	* 900 * 900	1,000	1,200	1,200	1,300

## **Door and Window Notes**

Dimensions shown on DWG indicate effective openings of frame

All frame depths are 100mm All door panel thicknesses are 35mm

All window panel thickness are 25mm

Al frame edges shal be trimmed 3mm

All wooden components should be wood stained finish

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

All hardware should be provided for the performance of al functions of the units

Door size more than 700X1900mm WD: 125mm X2 sets

SD: 150mm X3 sets 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

Door and Window Schedule



	All Openir	ngs Schedule		
Element ID	W06	W07		
Quantity	8	16		
W x H Size	2,000×1,600	2,950×1,450		
Sill height	800	1,200		
Head height	2,400	2,650		
2D Symbol	2,000	* 2,950 *		
View from Side Opposite to Opening Side	2,000	2,950		

## **Door and Window Notes**

Dimensions shown on DWG indicate effective openings of frame

All frame depths are 100mm All door panel thicknesses are 35mm All window panel thickness are 25mm

Al frame edges shal be trimmed 3mm

All glazing should be of 6mm unless specified

All wooden components should be wood stained finish

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

All hardware should be provided for the performance of al functions of the units

Hinges shall confirm t

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

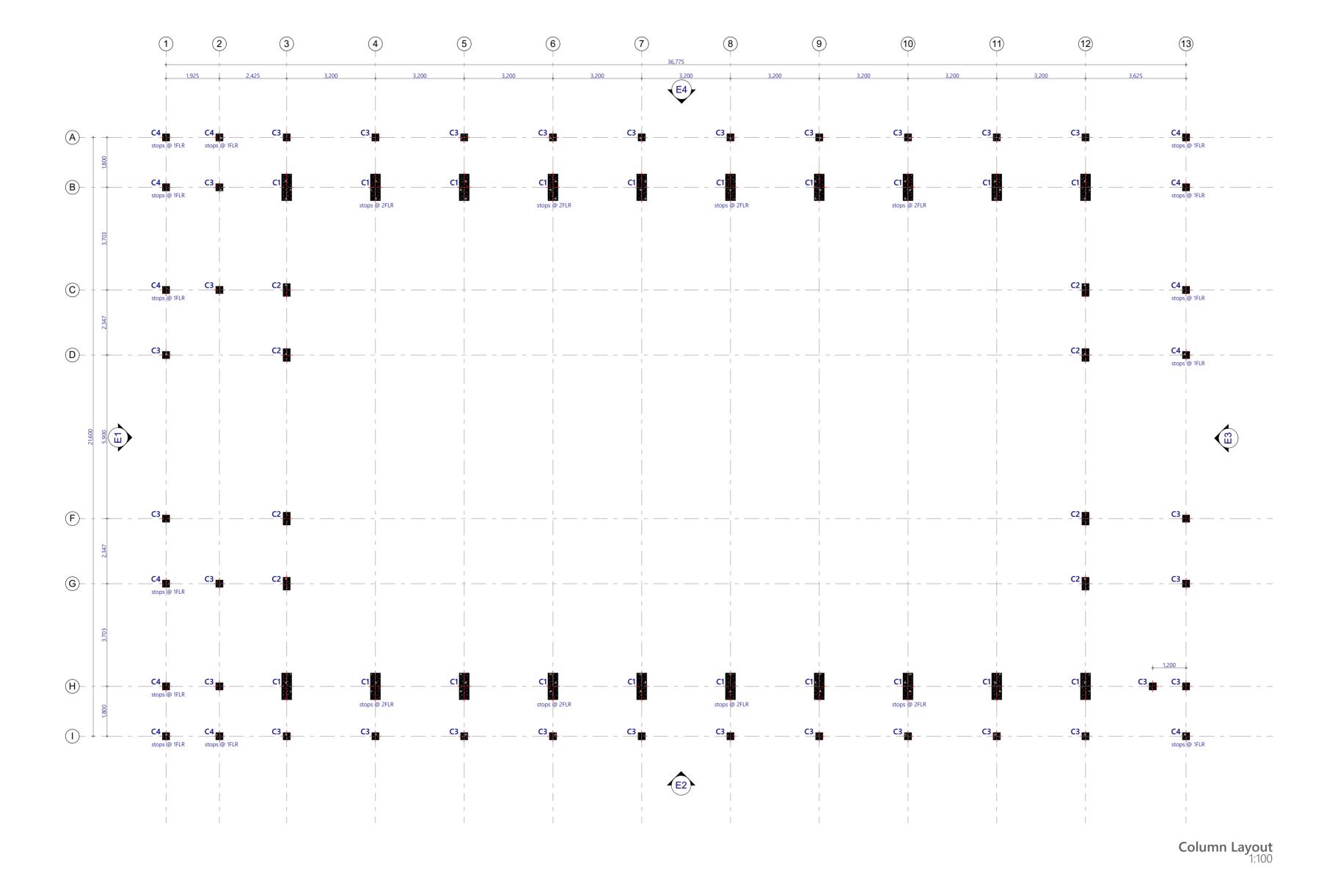
Locks shall be cylindrical with master key sets

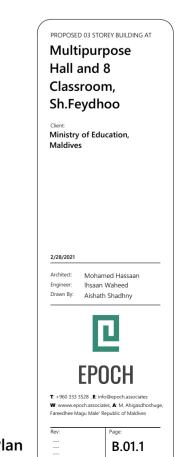
Door knobs shall be1000mm above FFL

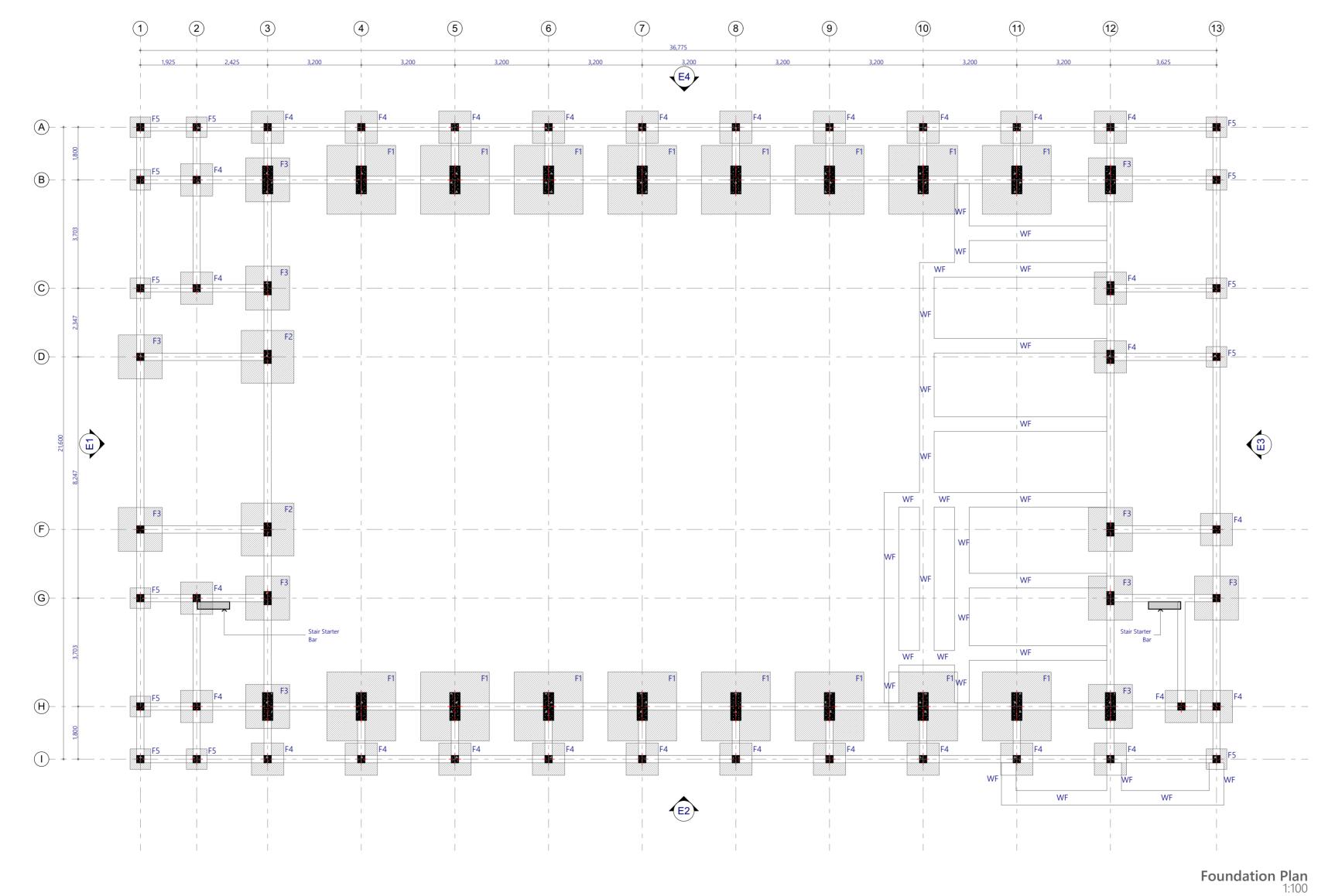
Door and Window Schedule

PROPOSED 03 STOREY BUILDING AT

All Openings Schedule







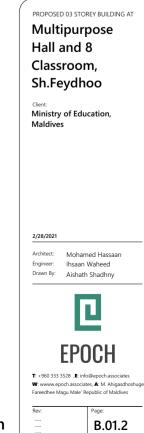
## **Foundation Notes:**

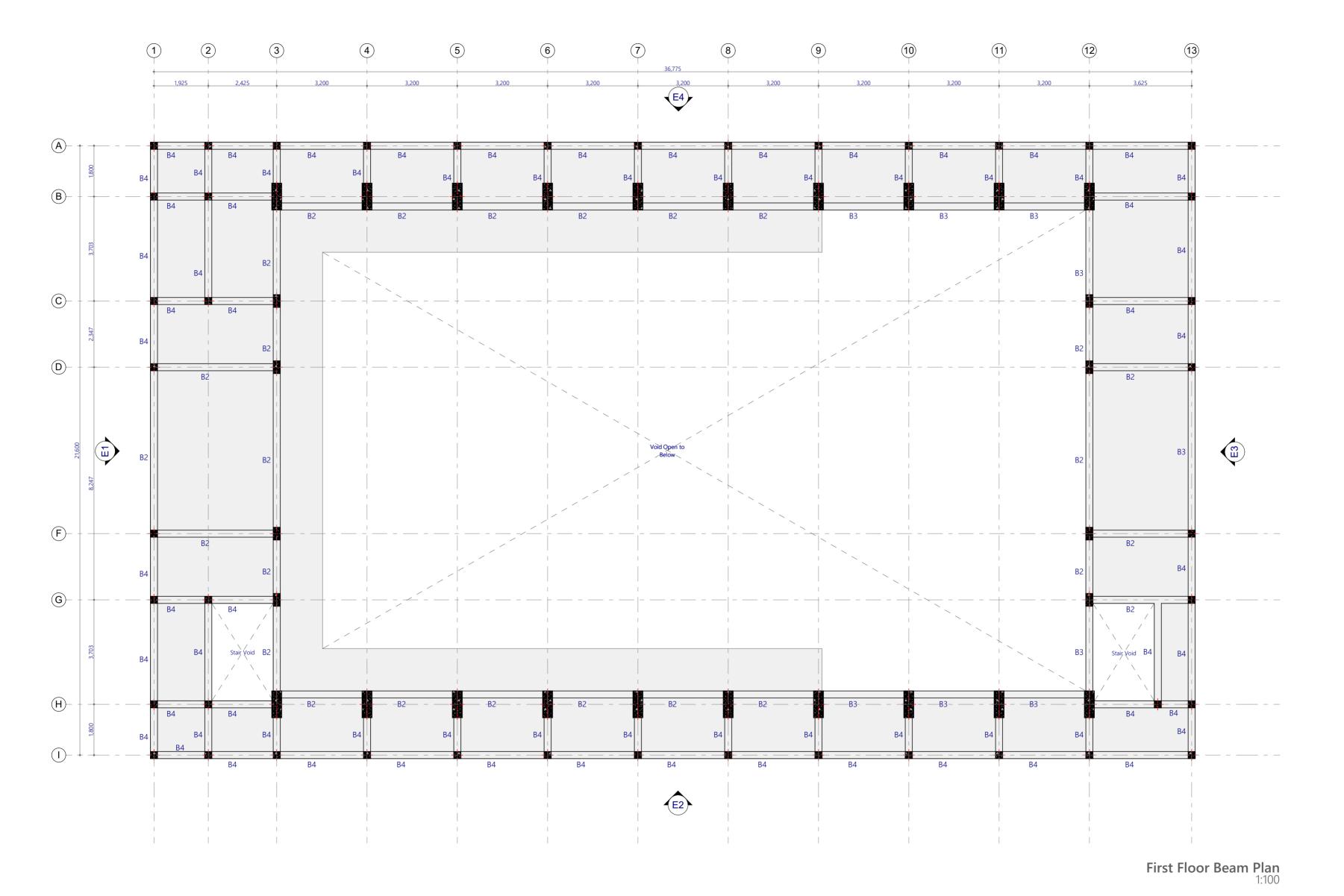
All Tie Beams are TB1

T12@ 125C/C B/W (b) 1275 mm T12@ 150C/C B/W (b) 1275 mm 2350X2350X375 1800X1800X375 1500X1500X300 T10@ 150C/C B/W (b) 1200 mm 1100X1100X300 T10@ 150C/C B/W (b) 1200 mm 700X700X300 T10@ 150C/C B/W (b) 1200 mm

Foundation Depth = as spercified on Pad Footing Ground Slab = 100mm thick RC slab on fill reinforced with T10@250C/C (B/W)

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





PROPOSED 03 STOREY BUILDING AT

Multipurpose
Hall and 8
Classroom,
Sh.Feydhoo

Client:
Ministry of Education,
Maldives

2/28/2021

Architect: Mohamed Hassaan
Engineer: Ihsaan Waheed
Drawn By: Aishath Shadhny

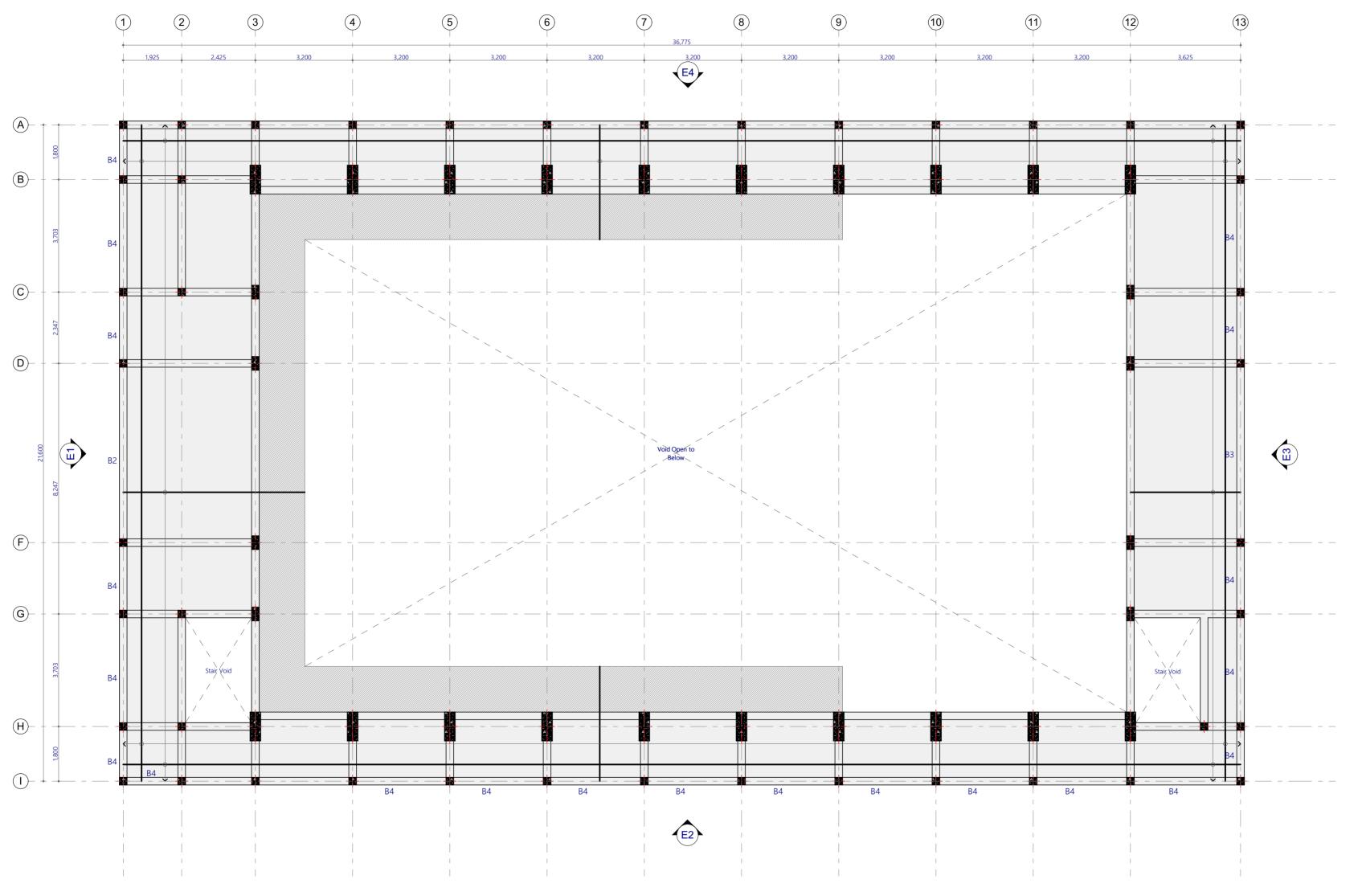
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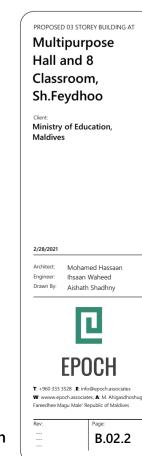
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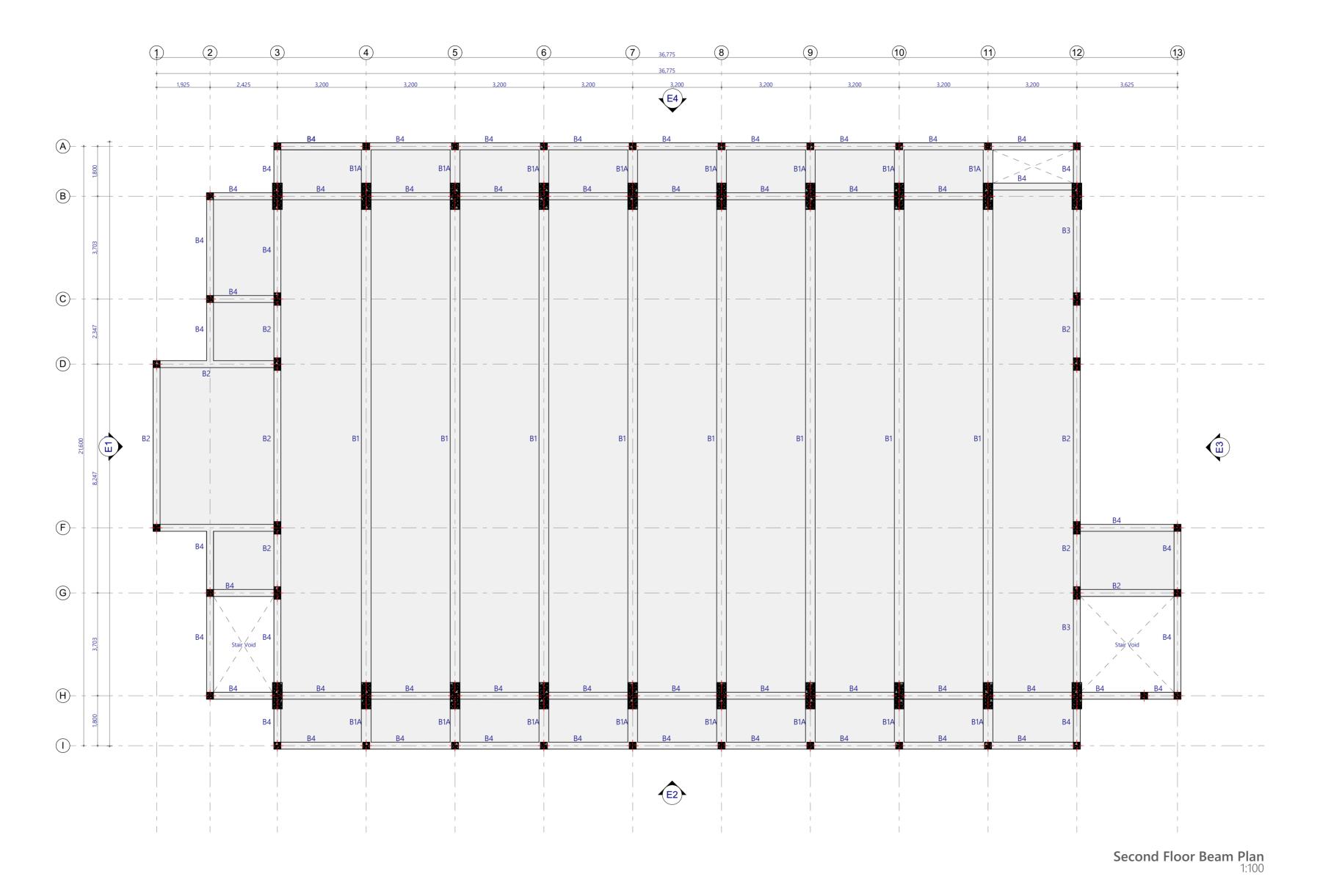
Rev: Page:
B.02.1

First Floor Beam Plan



First Floor Reinforcment Plan 1:100





Classroom,
Sh.Feydhoo

Client:
Ministry of Education,
Maldives

Architect:
Mohamed Hassaan
Engineer:
Ihsaan Waheed
Drawn By:
Aishath Shadhny

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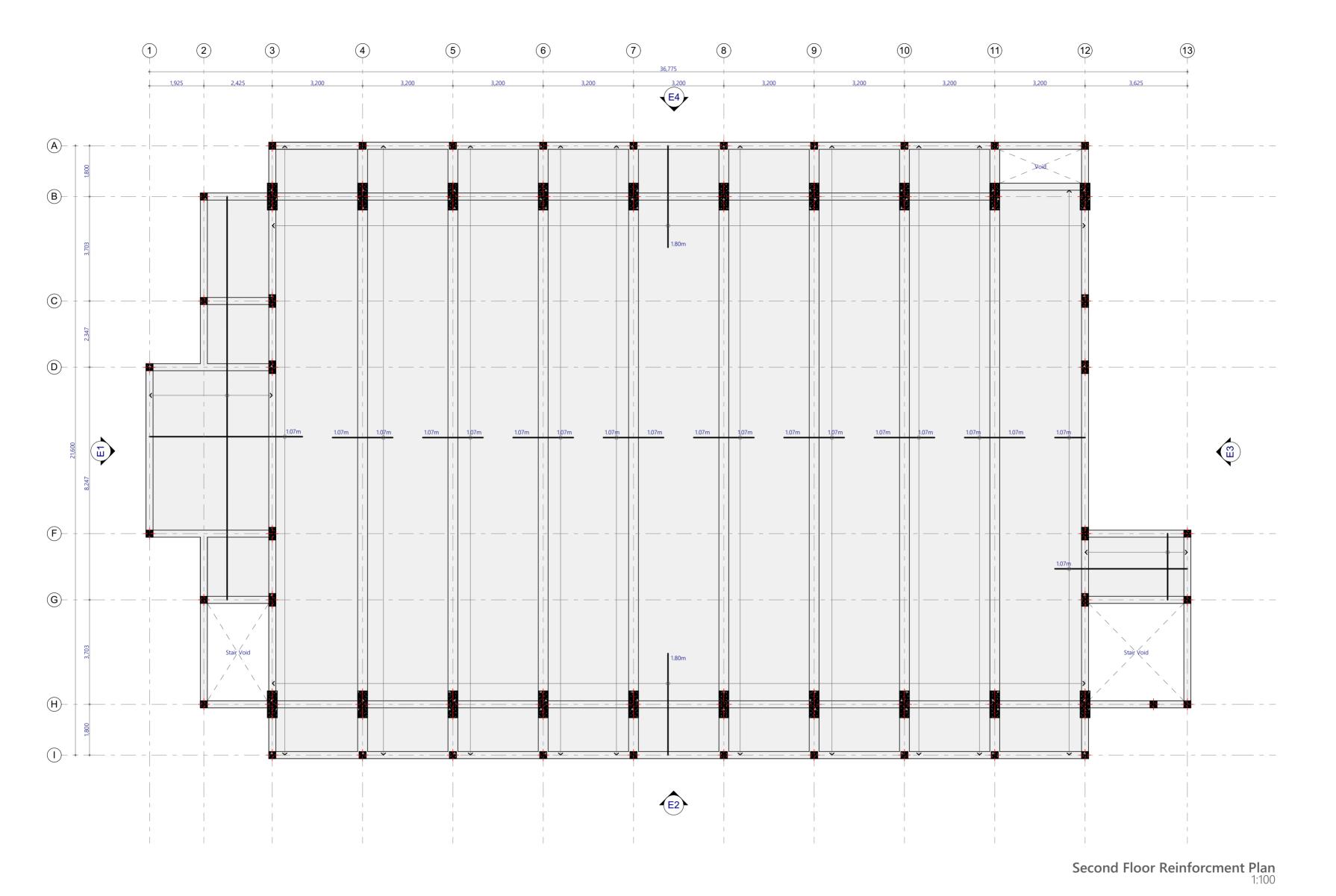
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W: www.wepoch.asociates, A: M. Ahlpasdroshuge,
Fareednee Magu Male' Republic of Maldives

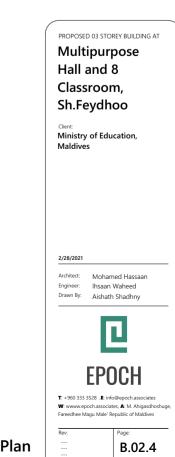
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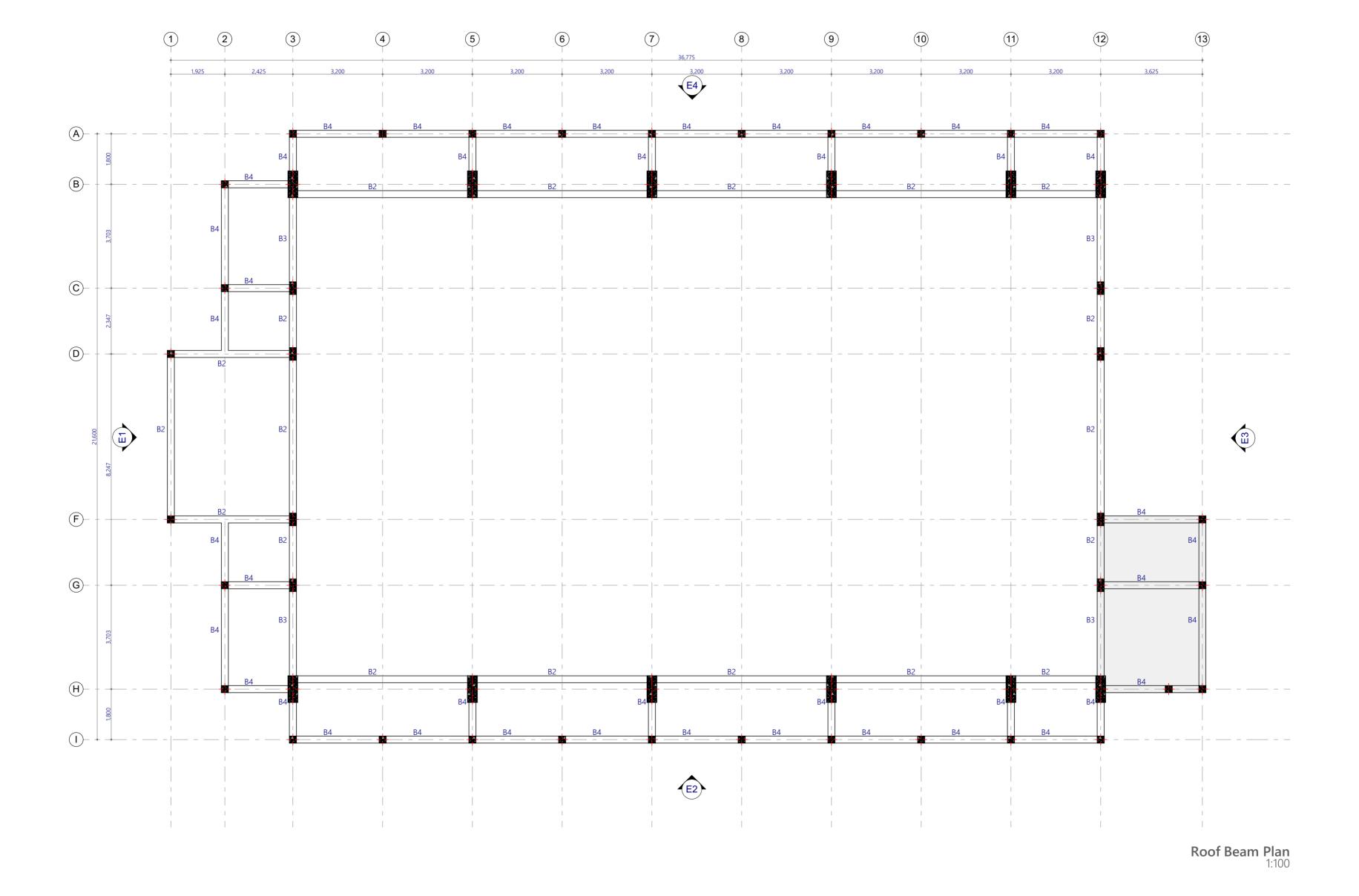
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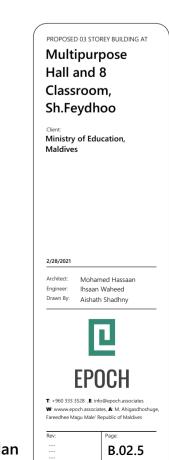
Hall and 8

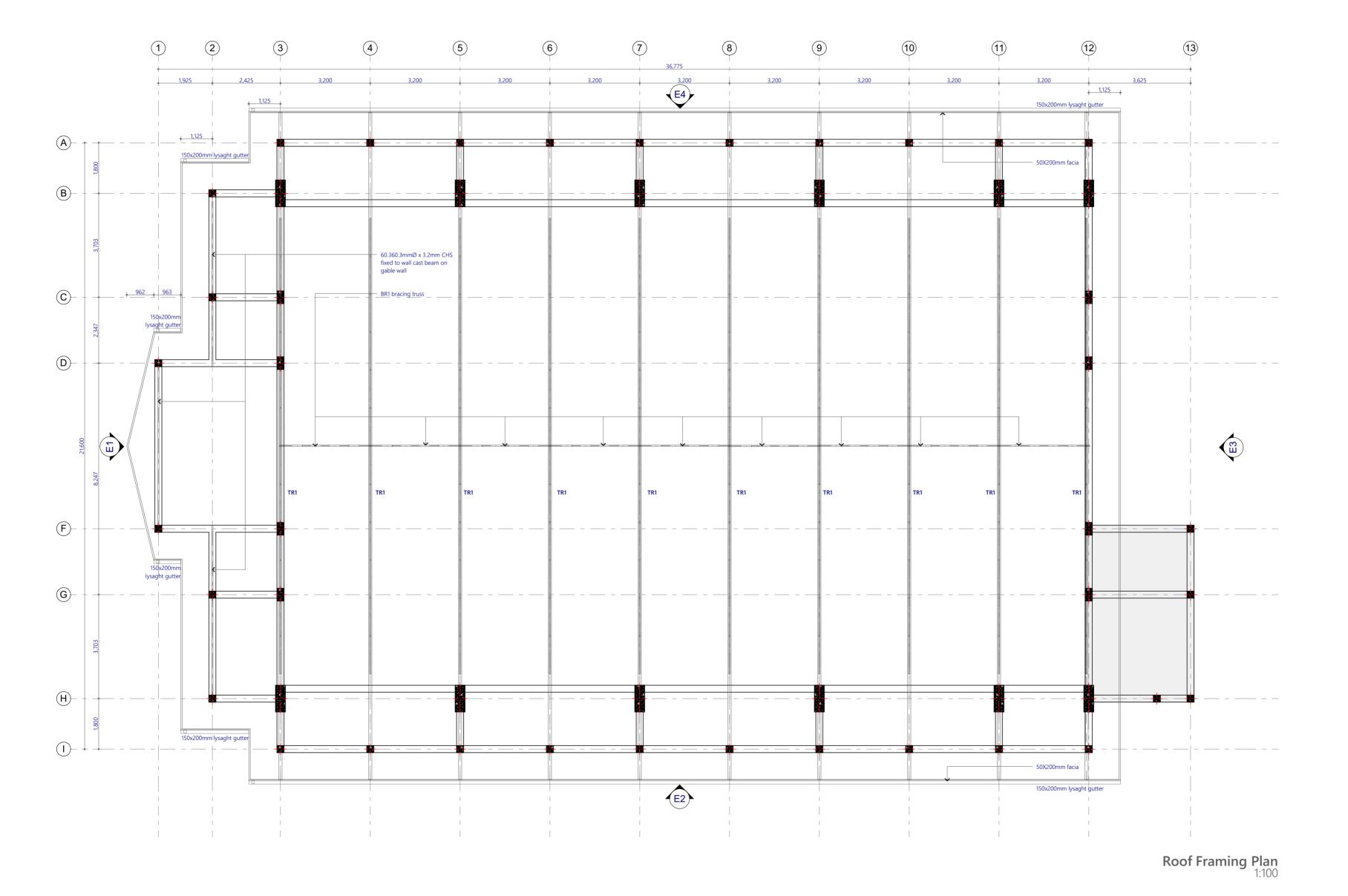
Second Floor Beam Plan











PROPOSED 03 STOREY BUILDING AT
Multipurpose
Hall and 8
Classroom,
Sh.Feydhoo

Client:
Ministry of Education,
Maldives

2/28/2021

Architect:
Mohamed Hassaan
Engineer:
Ihsaan Waheed
Drawn By:
Aishath Shadhny

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Page: **B.02.6** 

**Roof Framing Plan** 

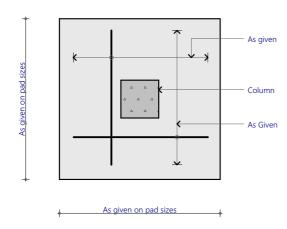
### **Foundation Notes:**

	Dimensions	Reinforcement	Foundation Depth
F1	2350X2350X375	T12@ 125C/C B/W (b)	1275 mm
F2	1800X1800X375	T12@ 150C/C B/W (b)	1275 mm
F3	1500X1500X300	T10@ 150C/C B/W (b)	1200 mm
F4	1100X1100X300	T10@ 150C/C B/W (b)	1200 mm
F5	700X700X300	T10@ 150C/C B/W (b)	1200 mm

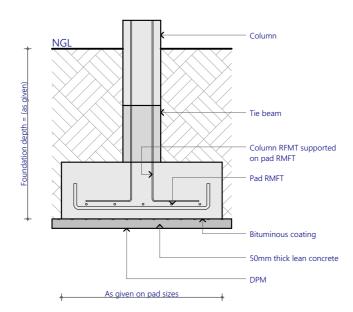
Foundation Depth = as spercified on Pad Footing Ground Slab = 100mm thick RC slab on fill reinforced with T10@250C/C (B/W)

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

All Tie Beams are TB1

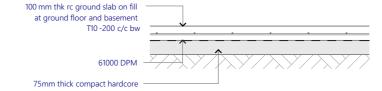


## **Plan View**



## **Sectional View**

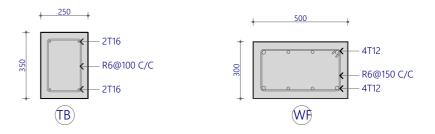
Typical Footing Detail



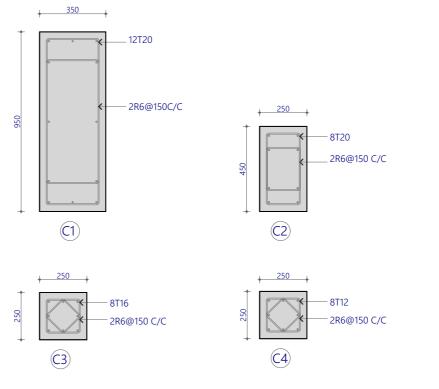
NOTE: All cover blocks shall be casted using grade C  $\,$  25 / 30 concrete with 5-10  $\,$  mm aggregates

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

## Typical Ground Slab Construction Detail



Tie Beam Details

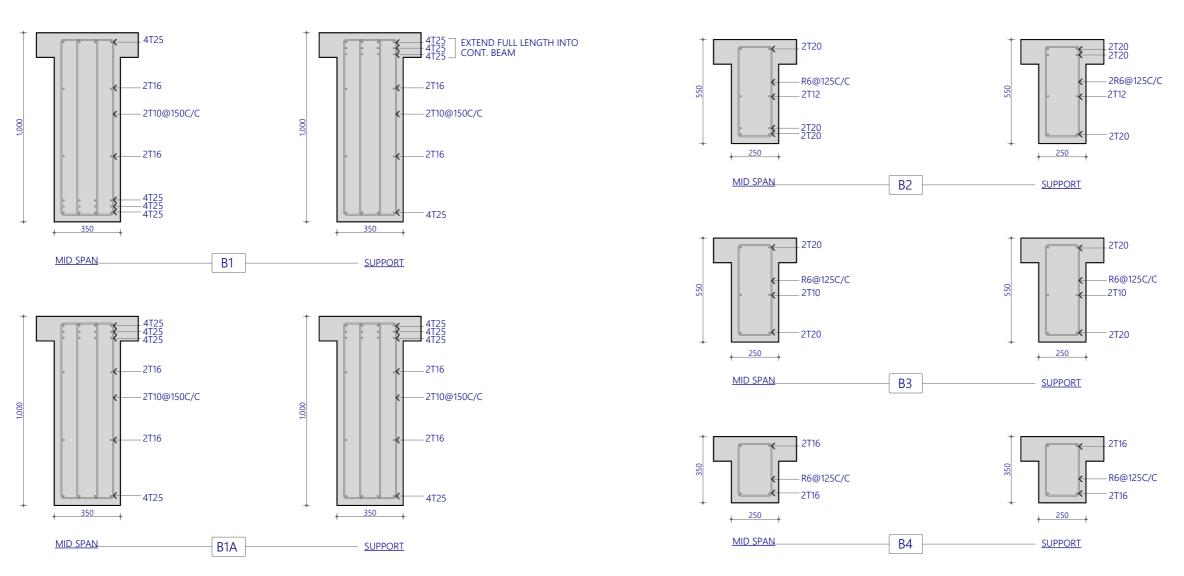


Columns Details

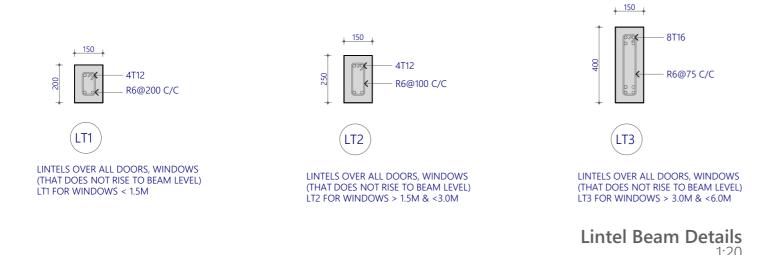


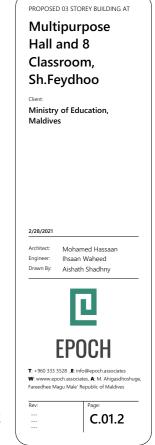
PROPOSED 03 STOREY BUILDING AT

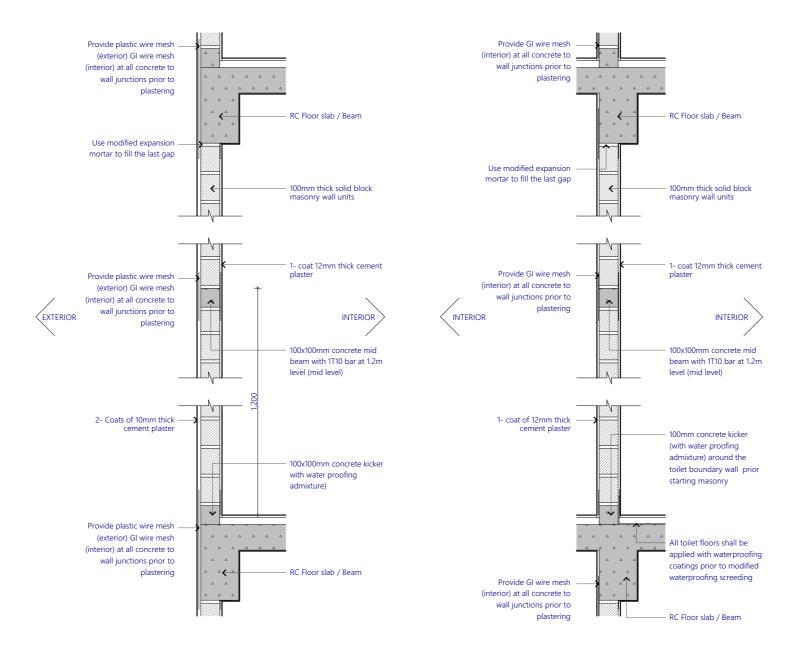
Structural Details 01







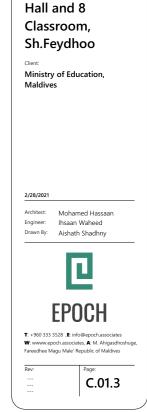




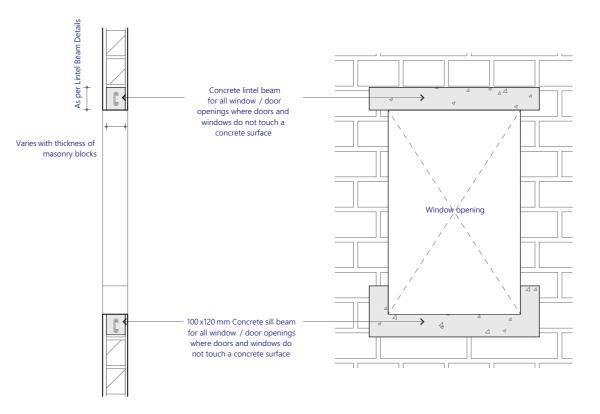
- \* Concrete surfaces shall be thoroughly cleaned with water & applied with
- mastercast 141 or equivalent bonding mortar prior to plastering. \* Plastering mortar mix shall be 1:4 (cement: sand) ratio.
- $\ensuremath{^{\star}}$  Plaster mix shall be modified using fibre wool & mastercast 141 or equivalent
- plasticisers as per manufacturer's specification.

  \* Height of placing blocks shall be maximum 1.2m per day.
- \* After initial coat of plastering, water curing shall be provided for minimum 3 days & after final coat water curing shall be provided for 7 days.

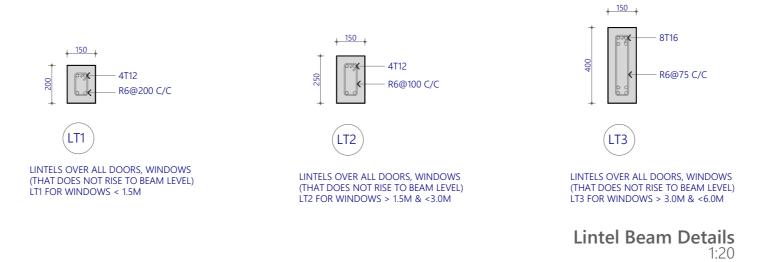
Typical Wall Construction Detail



PROPOSED 03 STOREY BUILDING AT Multipurpose

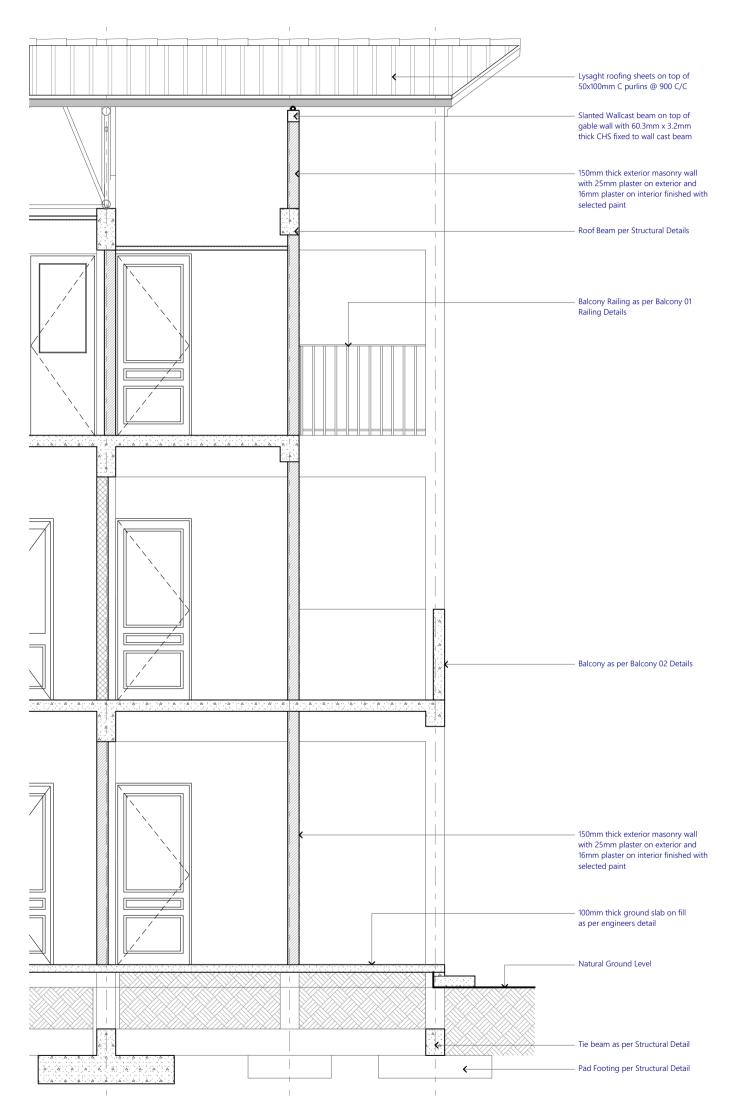


# Typical Window Construction Detail 1:20

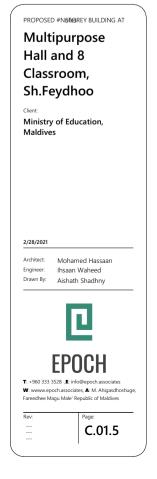


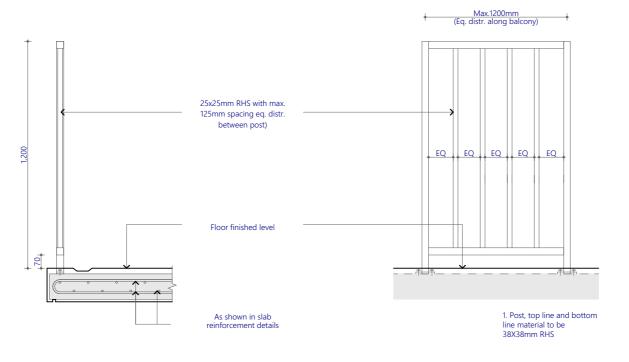


PROPOSED 03 STOREY BUILDING AT



Top to Bottom Detail D-24 1:50

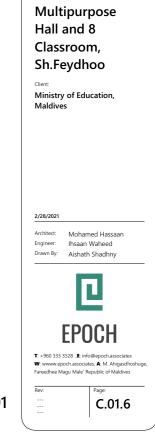




**Sectional View** 

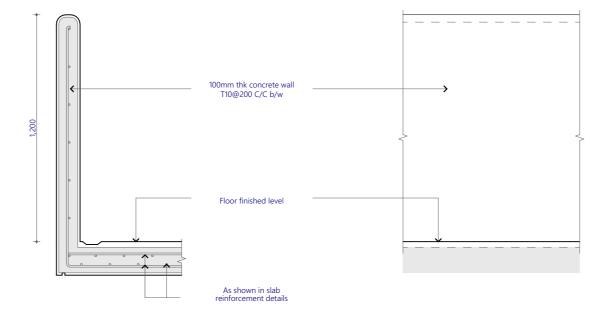
**Elevation View** 

Balcony 01 Railing Detail 1:20



PROPOSED 03 STOREY BUILDING AT

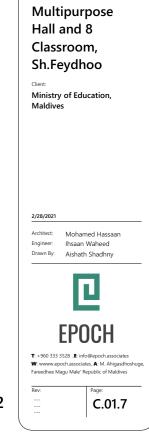
Balcony Detail 01



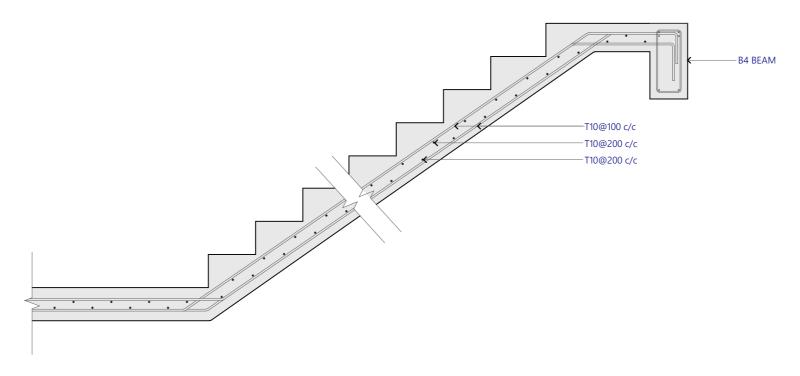
Sectional View

**Elevation View** 

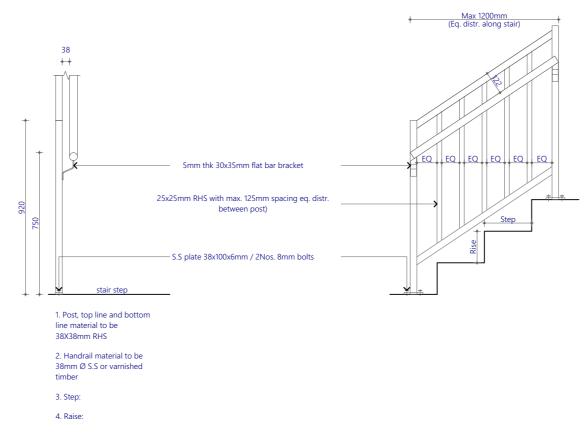
Balcony Detail 02



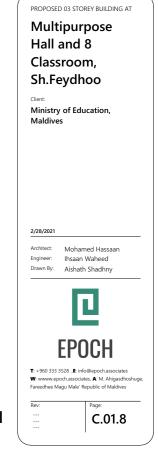
PROPOSED 03 STOREY BUILDING AT



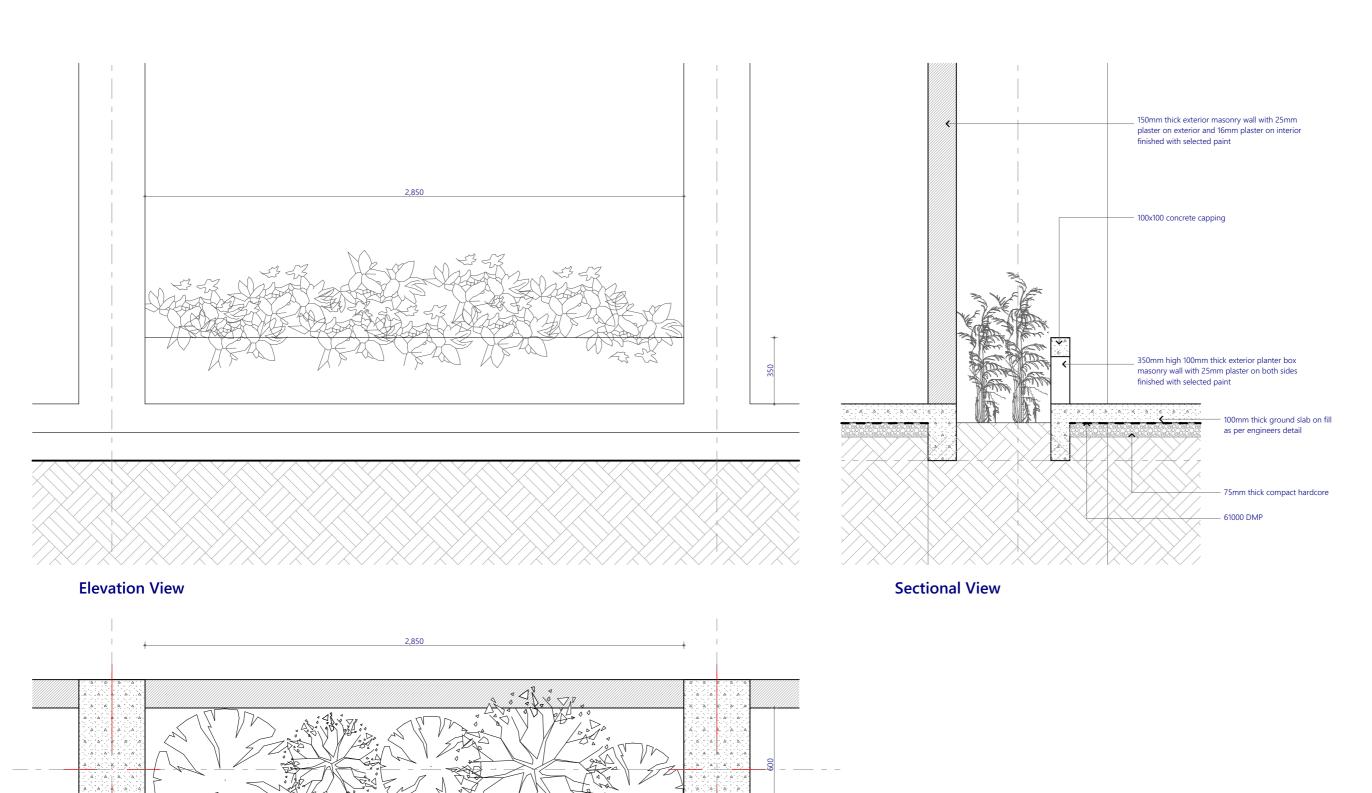
Stair Reinforcement Detail 1:20



Stair Railing Detail 1:20



**Stair Case Detail** 

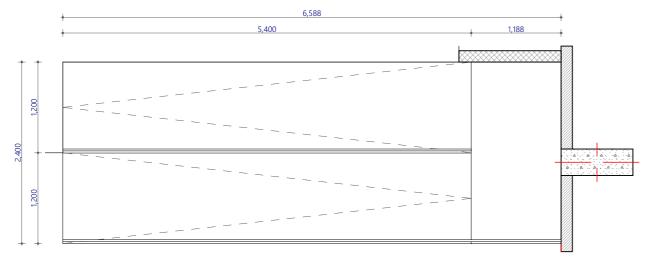


Plan View

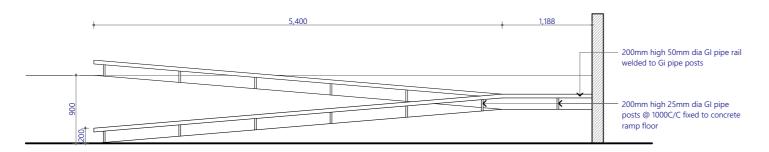
Planter box detail

**Planter Box Detail** 

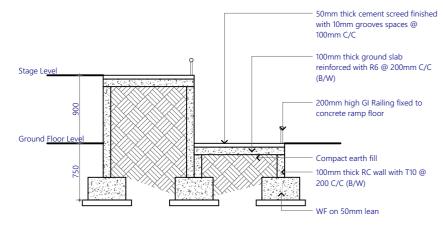




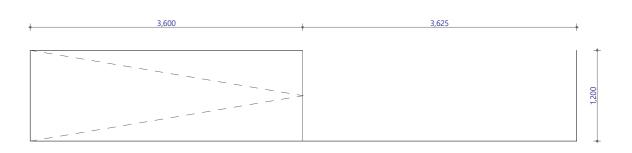
**Stage Ramp Plan View** 



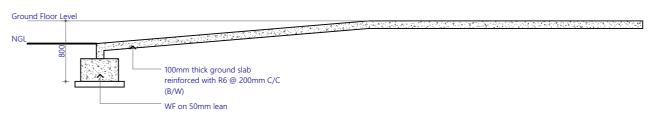
**Stage Ramp Elevation View** 



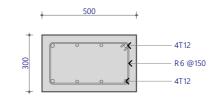
**Stage Ramp Section View** 



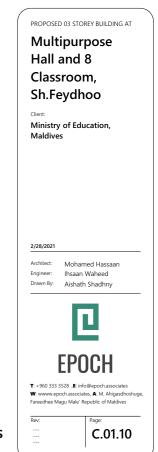
**Ground Floor Ramp Plan View** 



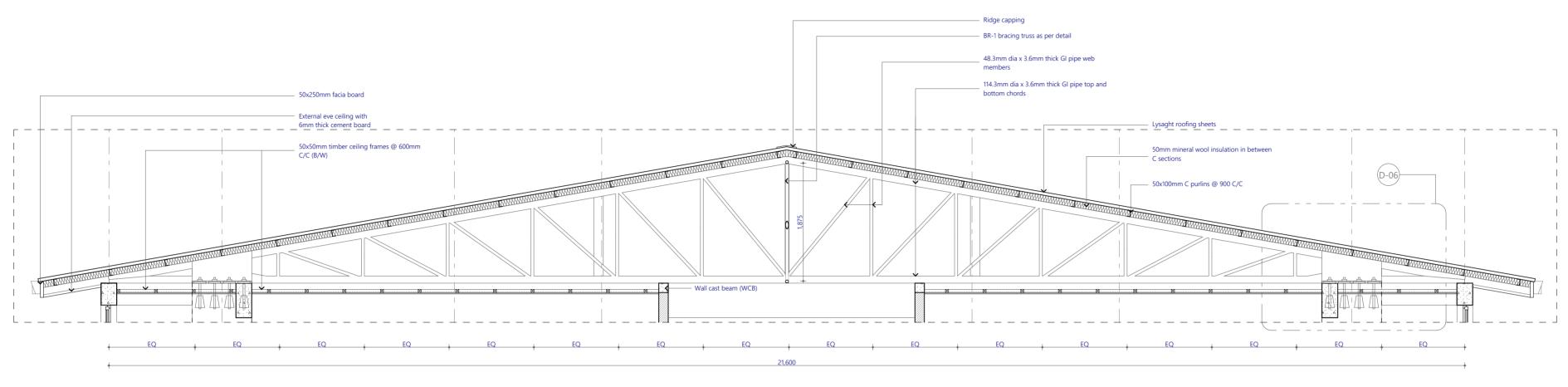
**Ground Floor Ramp Elevation View** 



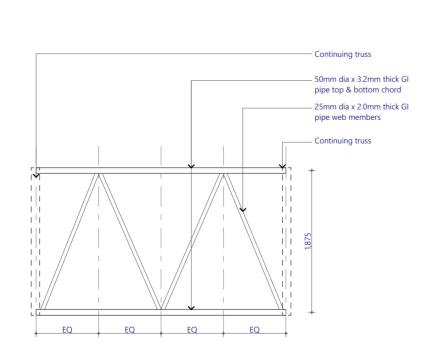
Wall Footing (WF) Detail



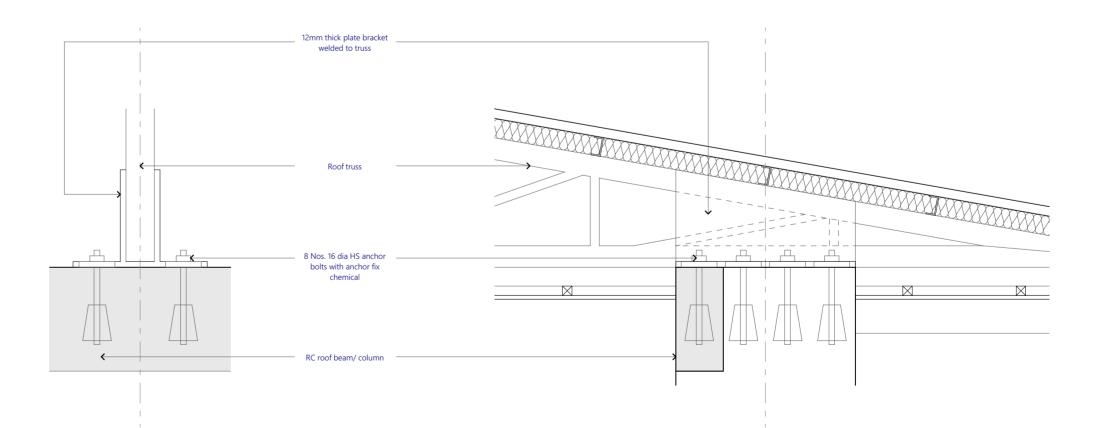
Ramp Details



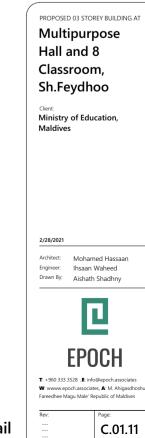
Truss Detail - TR1 1:50



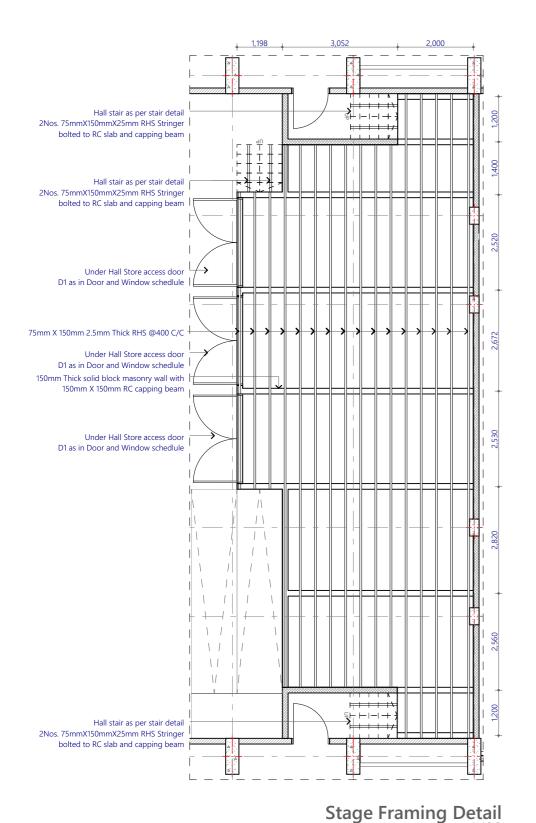
Bracing Truss Detail - BR1 1:50

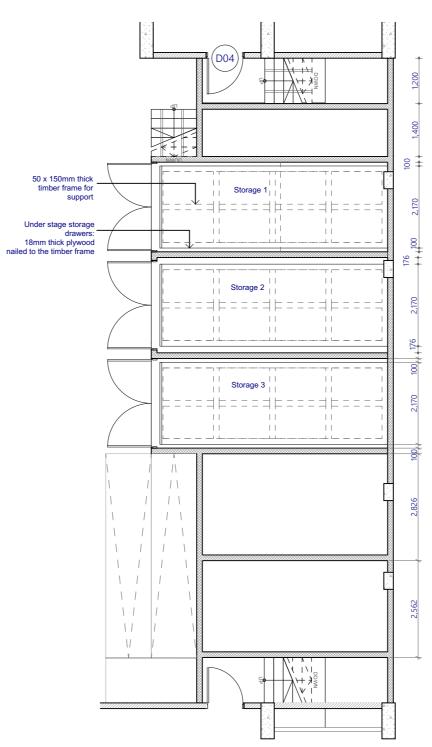


Truss blow up detail - D 06 1:20

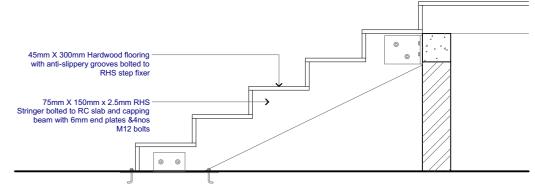


## Notes:

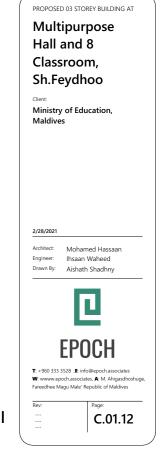




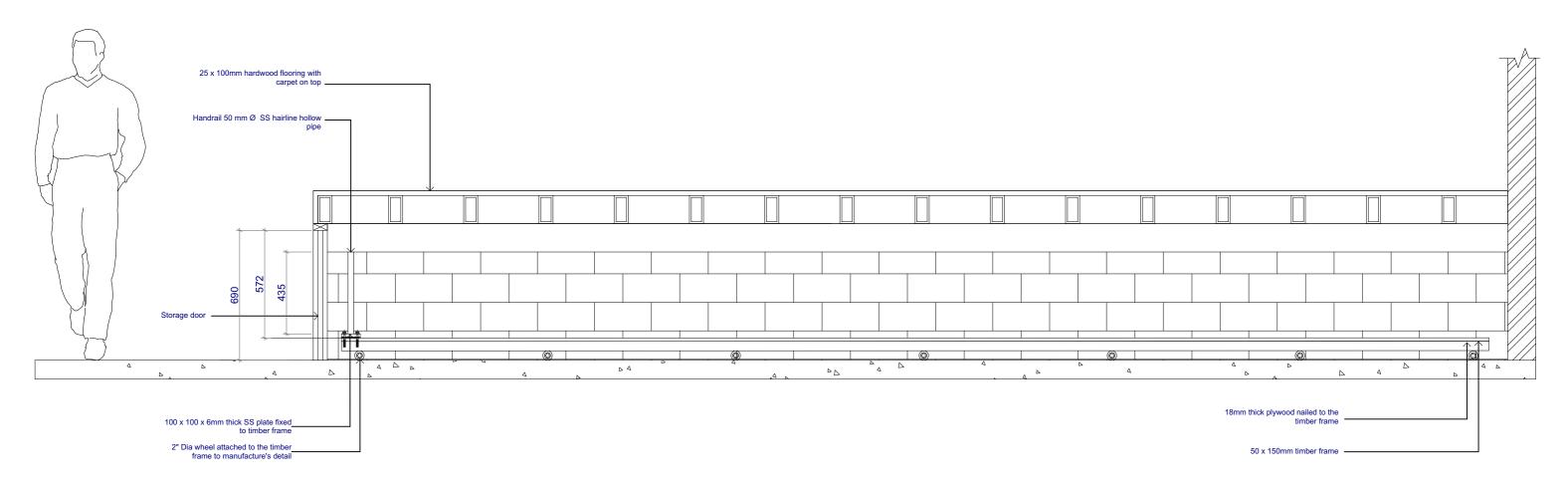




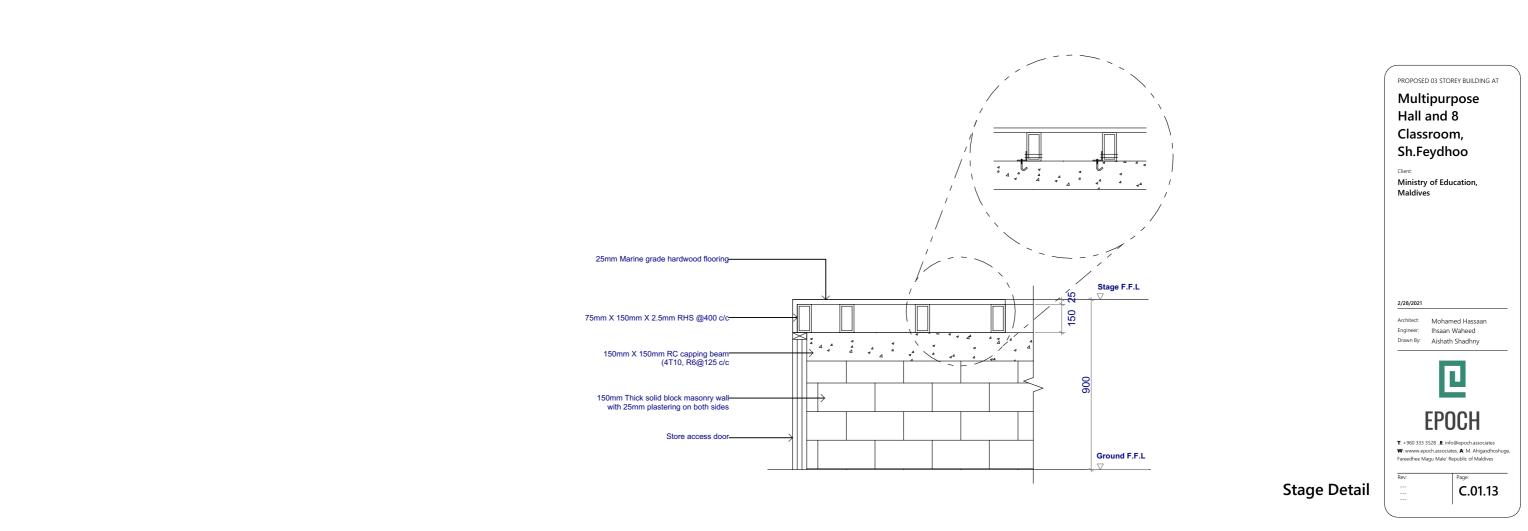
Hall Stair Detail 1:20

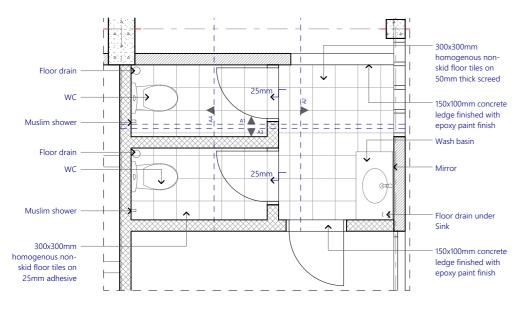


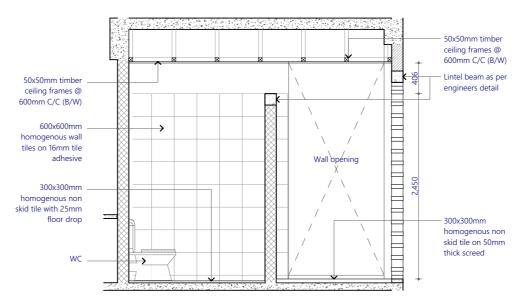
Stage Detail

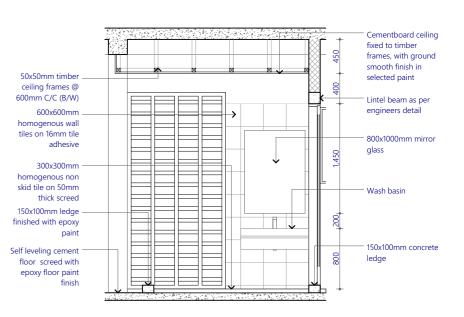


## **Section F-F**





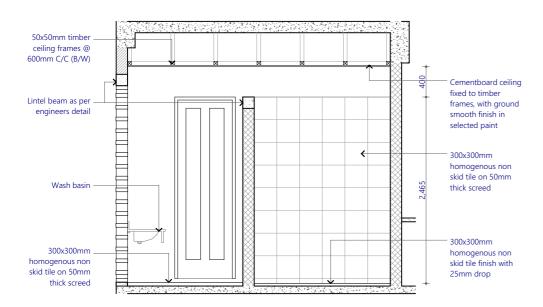




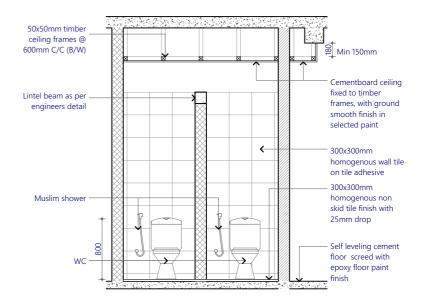
Toilet (F) Ground Floor Plan

Interior Elevation A1

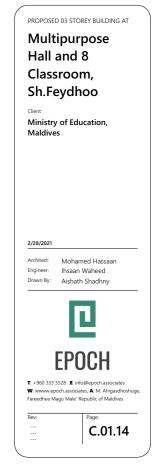
Interior Elevation A2



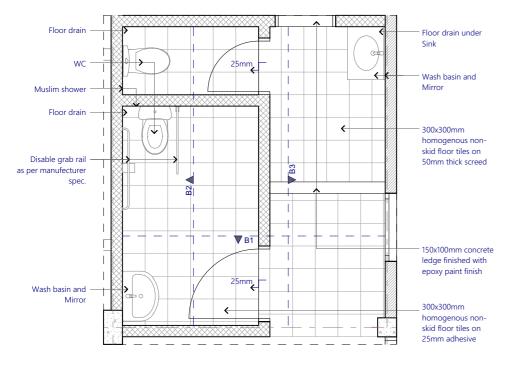
Interior Elevation A3



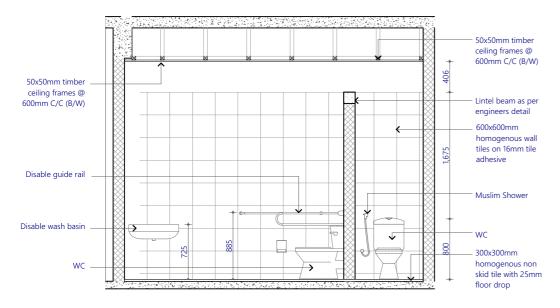
Interior Elevation A4



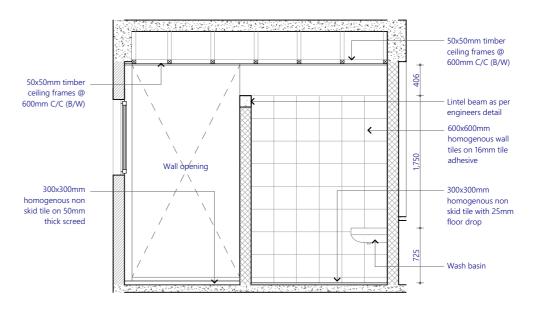
**Toilet Detail 01** 



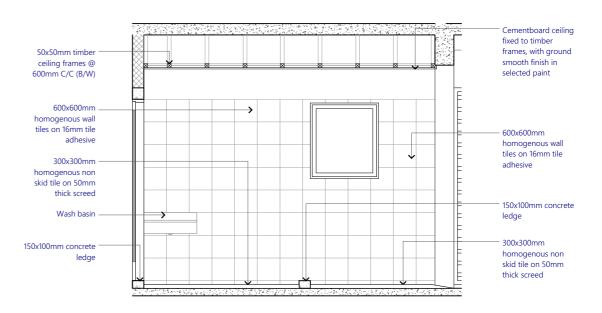
Toilet (M) Ground Floor Plan View



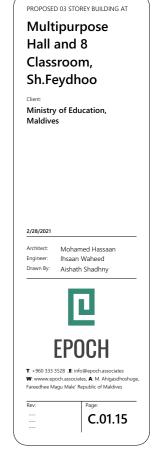
**Interior Elevation B2** 1:50



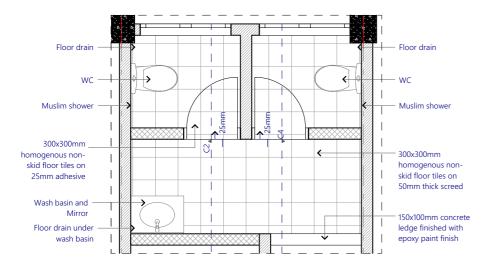
Interior Elevation B1



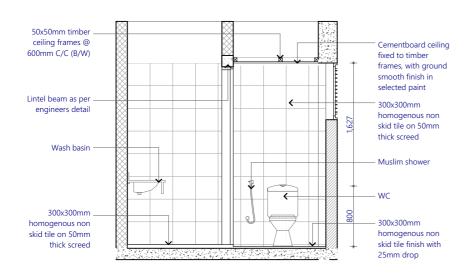
Interior Elevation B4



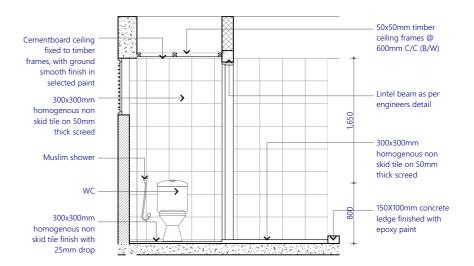
Toilet Detail 02



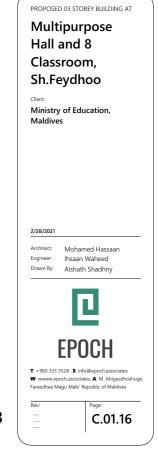
Toilet Detail (typical) Second Floor Plan View



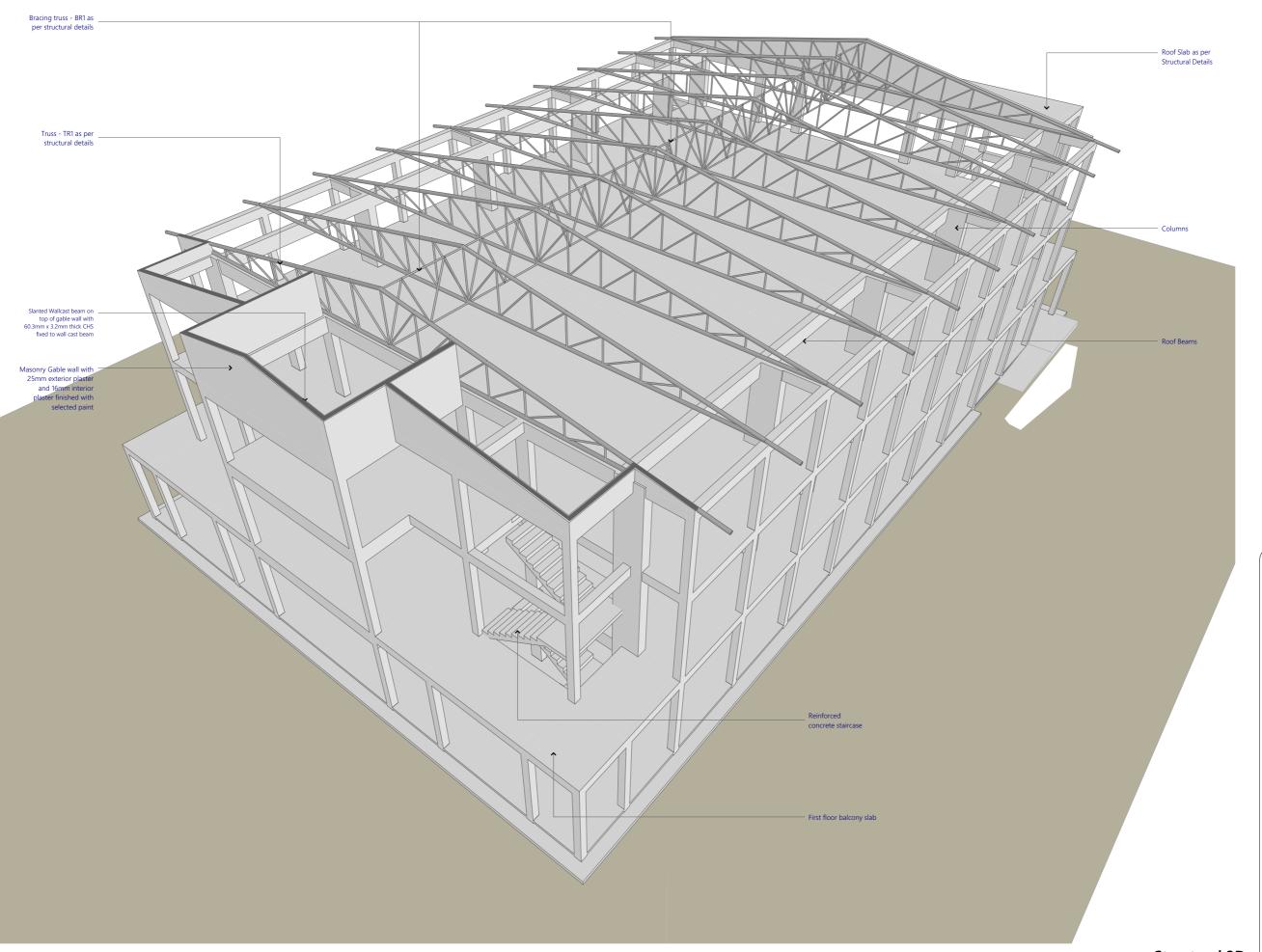
Interior Elevation C1



Interior Elevation C2



**Toilet Detail 03** 



PROPOSED 03 STOREY BUILDING AT

## Multipurpose Hall and 8 Classroom, Sh.Feydhoo

Ministry of Education, Maldives

Architect: Mohamed Hassaan Engineer: Ihsaan Waheed Drawn By: Aishath Shadhny



**EPOCH** 

C.02.1

Structural 3D



Perspective 1 1:131.79

Architectural 3D View 1

PROPOSED 03 STOREY BUILDING AT

## Multipurpose Hall and 8 Classroom, Sh.Feydhoo

Ministry of Education, Maldives

Architect: Mohamed Hassaan Engineer: Ihsaan Waheed Drawn By: Aishath Shadhny



C.02.2



Perspective 2 1:131.79

Architectural 3D View 2

PROPOSED 03 STOREY BUILDING AT Multipurpose

Hall and 8 Classroom, Sh.Feydhoo

Client
Ministry of Education,
Maldives

Architect: Mohamed Hassaan Engineer: Ihsaan Waheed Drawn By: Aishath Shadhny



C.02.3