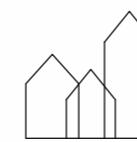
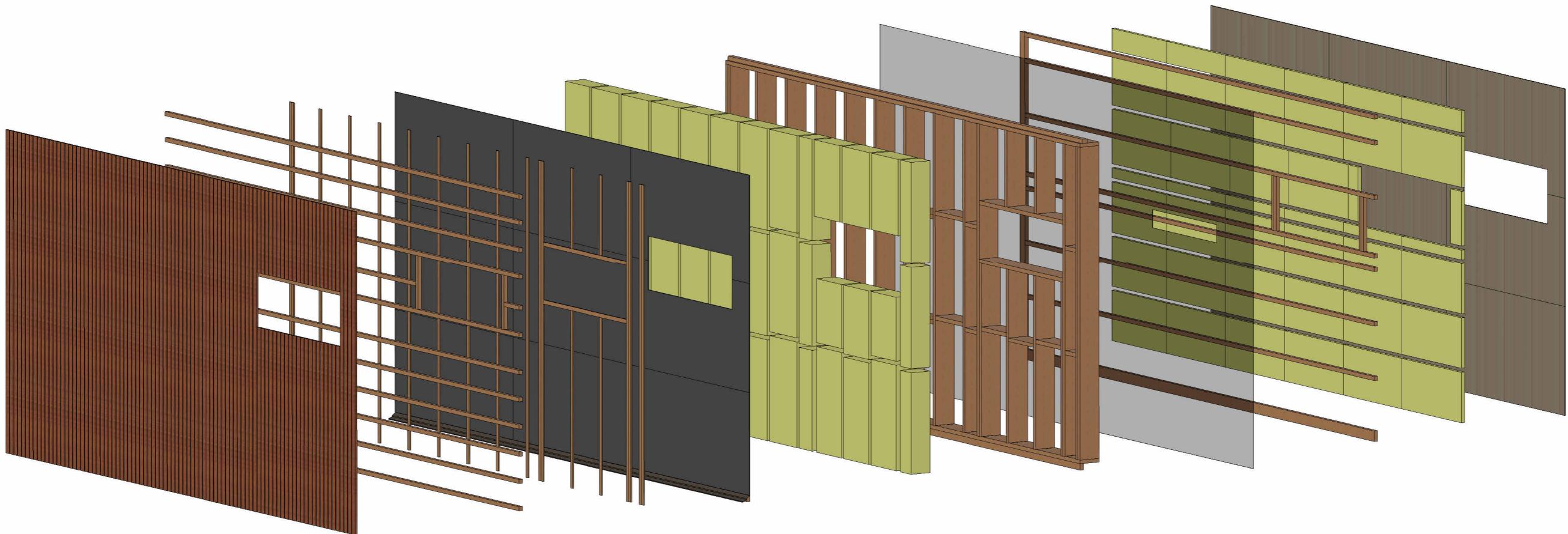


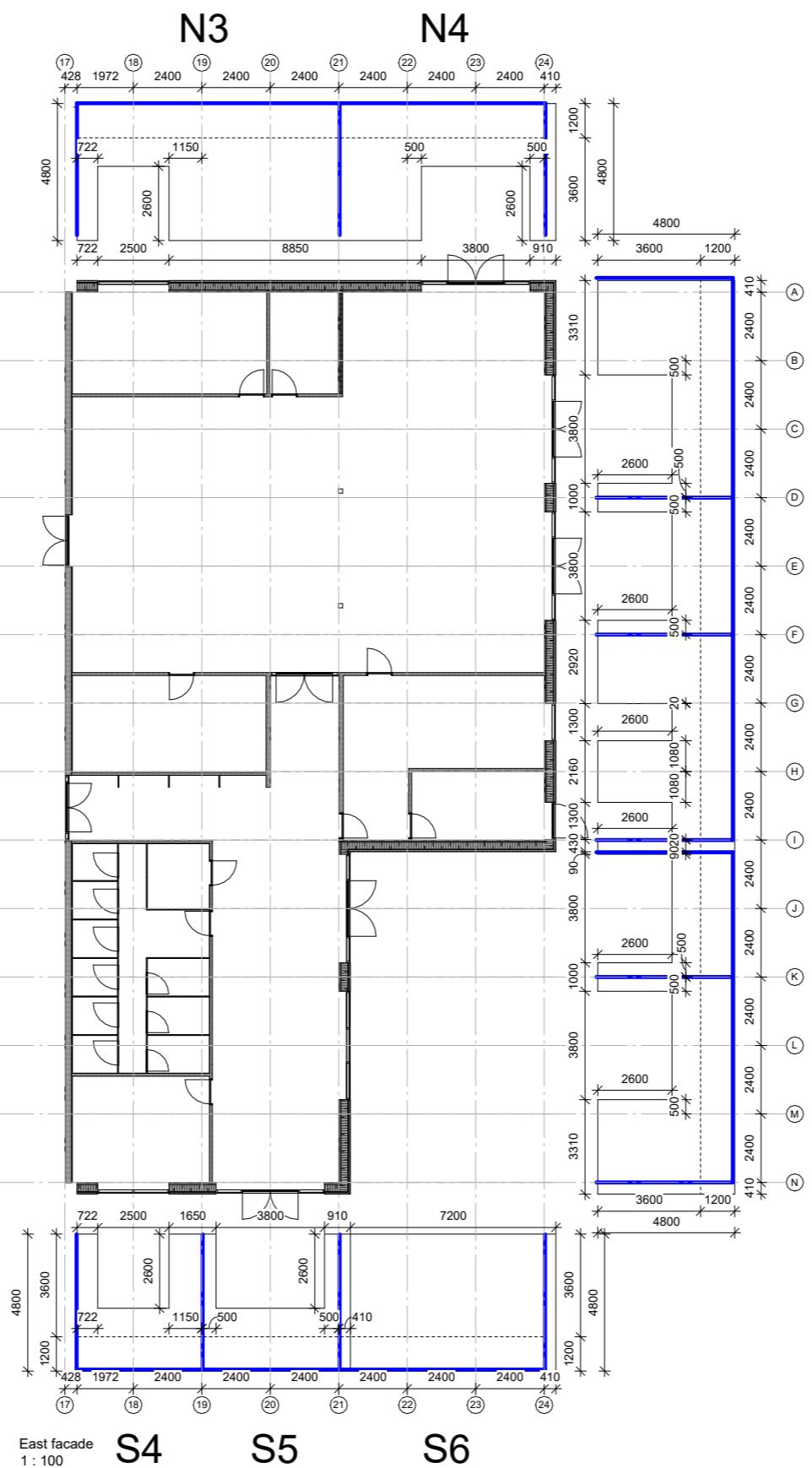
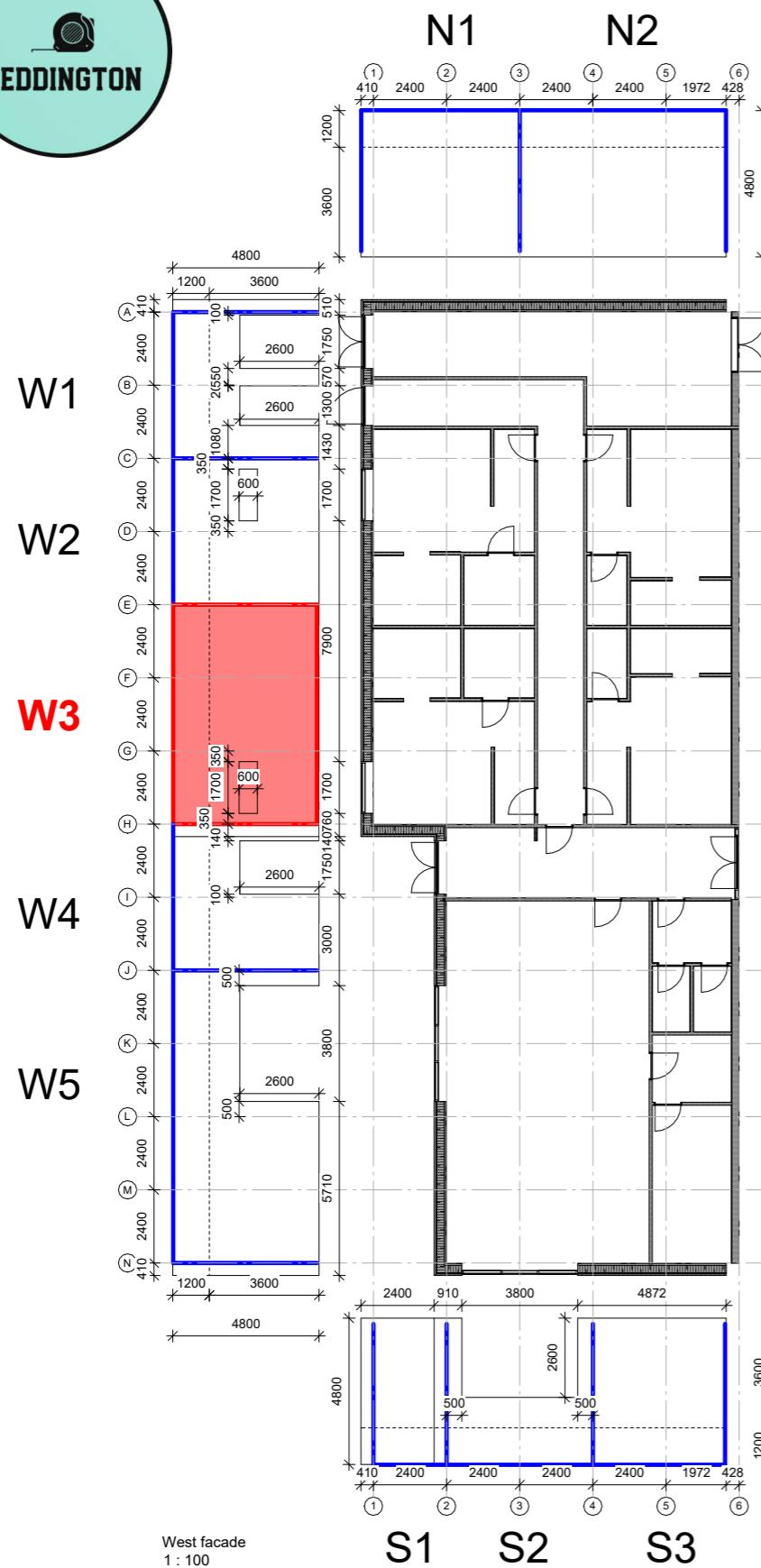
Element - W3



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PROJECT: Multi-Purpose Hall	DATE: 14-05-2023	1
SUBJECT: Cover Page	SCALE:	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	



All measurements are in millimeters

GENERAL INFORMATION

Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x145 mm)
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. OSB Boards - 12 mm

GENERAL SPECIFICATIONS

Project: Multi Purpose Hall

Address: Vestmarksvej 13A 7100 Vejle

Element Number: W3

Element Type: Wooden Wall Element

Manufacturer: REDDINGTON

Element Summary

Element	Amount	Position between modular lines
N1, S3	2	1-24
N2, S6	2	1-24
N3	1	1-24
N4, E1	2	1-24, A-N
E2, S2, S5	3	1-24, A-N
E3	1	A-N
E4	1	A-N
E5	1	A-N
W1	1	A-N
W2	1	A-N
W3	1	A-N
W4	1	A-N
W5	1	A-N
S1	1	1-24
S4	1	1-24
Total	20 elements	



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PROJECT: Multi-purpose hall	DATE: 05-05-23	2
SUBJECT: Plan for holes and recess	SCALE: 1 : 100	
DRAWN BY: Dimitri Cebotaru	CLASS: AH31-23F	

Tender Control Plan

Case:	Multi-Purpose Hall			Date: 28-05-2023		
Location:	Vestermarksvej 13A 7100 Vejle		Contract/building component: Wood external Walls			

Nr.	Subject	Method/How	Time	Demands	Demands to documentation	Who/responsible	Carried out/Refrence
1	Timber materials delivery control	Visual control for approval	On receiving	Amount same as ordered and approval with stamps	Delivery notes	Storage keeper	
2	Other materials delivery control	Visual check	On receiving	Amount delivered as ordered	Delivery notes and journal	Storage keeper	
3	Wooden Quality control	Visual check measuring	After cutting	Cut to correct measurement and check quality	Journal	Production manager	
4	Load-Bearing Framework control	Visual check measuring	After assembly	Correct measurement, no damage on the timber, correct placement/amount of the screws	Journal/photo documentation	Production manager	
5	DPM control	Visual check	After assembly	Completely tight, no damage on holes, DPM taped correctly	Journal/photo documentation	Production manager	
6	Non load-bearing frame	Visual check measuring	After screwing	Correct measurement, no damage on the timber, correct placement/amount of the screws	Photo documentation	Production manager	
7	45mm insulation fillin control	Visual check	After placing	No gab, no damage, correct placement of pieces	Journal/photo documentation	Production manager	
8	OSB control	Visual check measuring	After screwing	Correct assembly, correct placement of screws, no damage or holes	Photo documentation	Production manager	
9	Element control	Visual check measuring	Before turning the element	Overall construction	Photo documentation	Production manager	
10	Element control	Measuring	After turning the element	Overall construction	Photo documentation	Production manager	
11	245 insulation fill in control	Visual check	After placing	No gab, no damage, correct placement of pieces	Journal/photo documentation	Production manager	
12	Cembrit windstopper basic control	Visual check measuring	After screwing	Placed and placed correctly, and correct measurements	Photo documentation	Production manager	
13	Distance strip control	Visual check measuring	After fixing	Correct measurement, no damage on the timber, correct placement/amount of the screws	Photo documentation	Production manager	
14	Counter battens control	Visual check measuring	After fixing	Correct measurement, no damage on the timber, correct placement/amount of the screws	Photo documentation	Production manager	
15	Cladding board control	Visual check measuring	After fixing	No gab, no damage, correct placement of pieces	Photo documentation	Production manager	
16	Element control	Visual check measuring	Before packing	Overall and opening measurements done correctly	Photo documentation	Production manager	
17	Element control	Visual check	After packing	Packing done correctly	Journal/photo documentation	Production manager	
18	Element control	Visual check	Before delivery	Loading safety check and last quality check	Journal/photo documentation	Production manager	

Tender Control Plan

Case:	Multi-Purpose Hall			Date: 28-05-2023		
Location:	Vestermarksvej 13A 7100 Vejle		Contract/building component: Wood Parapet			

Nr.	Subject	Method/How	Time	Demands	Demands to documentation	Who/responsible	Carried out/Refrence
1	Timber materials delivery control	Visual control for approval	On receiving	Amount same as ordered and approval with stamps	Delivery notes	Storage keeper	
2	Other materials delivery control	Visual check	On receiving	Amount delivered as ordered	Delivery notes and journal	Storage keeper	
3	Wooden quality control	Visual check measuring	After cutting	Cut to correct measurement and check quality	Journal	Production manager	
4	Load-Bearing Framework control	Visual check measuring	After assembly	Correct measurement, no damage on the timber, correct placement/amount of the screws	Journal/photo documentation	Production manager	
5	120mm insulation fill in control	Visual check	After placing	No gab, no damage, correct placement of pieces	Journal/photo documentation	Production manager	
6	OSB control	Visual check measuring	After screwing	Correct placement of screws, no damage or holes	Photo documentation	Production manager	
7	Element control	Visual check measuring	Before turning the element	Overall construction	Photo documentation	Production manager	
8	Element control	Measuring	After turning the element	Overall construction	Photo documentation	Production manager	
9	Cembrit windstopper basic control	Visual check measuring	After screwing	Placed and placed correctly, and measurements	Photo documentation	Production manager	
10	Distance strip control	Visual check measuring	After fixing	Correct measurement, no damage on the timber, correct placement/amount of the screws	Photo documentation	Production manager	
11	Counter battens control	Visual check measuring	After fixing	Correct measurement, no damage on the timber, correct placement/amount of the screws	Photo documentation	Production manager	
12	Element control	Visual check measuring	Before packing	Overall and opening measurements done correctly	Photo documentation	Production manager	
13	Element control	Visual check measuring	After packing	Packing done correctly	Journal/photo documentation	Production manager	
14	Element control	Visual check	Before delivery	Loading safety check and last quality check	Journal/photo documentation	Production manager	

Process Control

Project: Multi-Purpose Hall		Drawing no: 01	Element no: W3	Date: 30-04-2023	Page 1 of 1
Area: West Gable			Supervisor: Dimitrian	Team: 5	

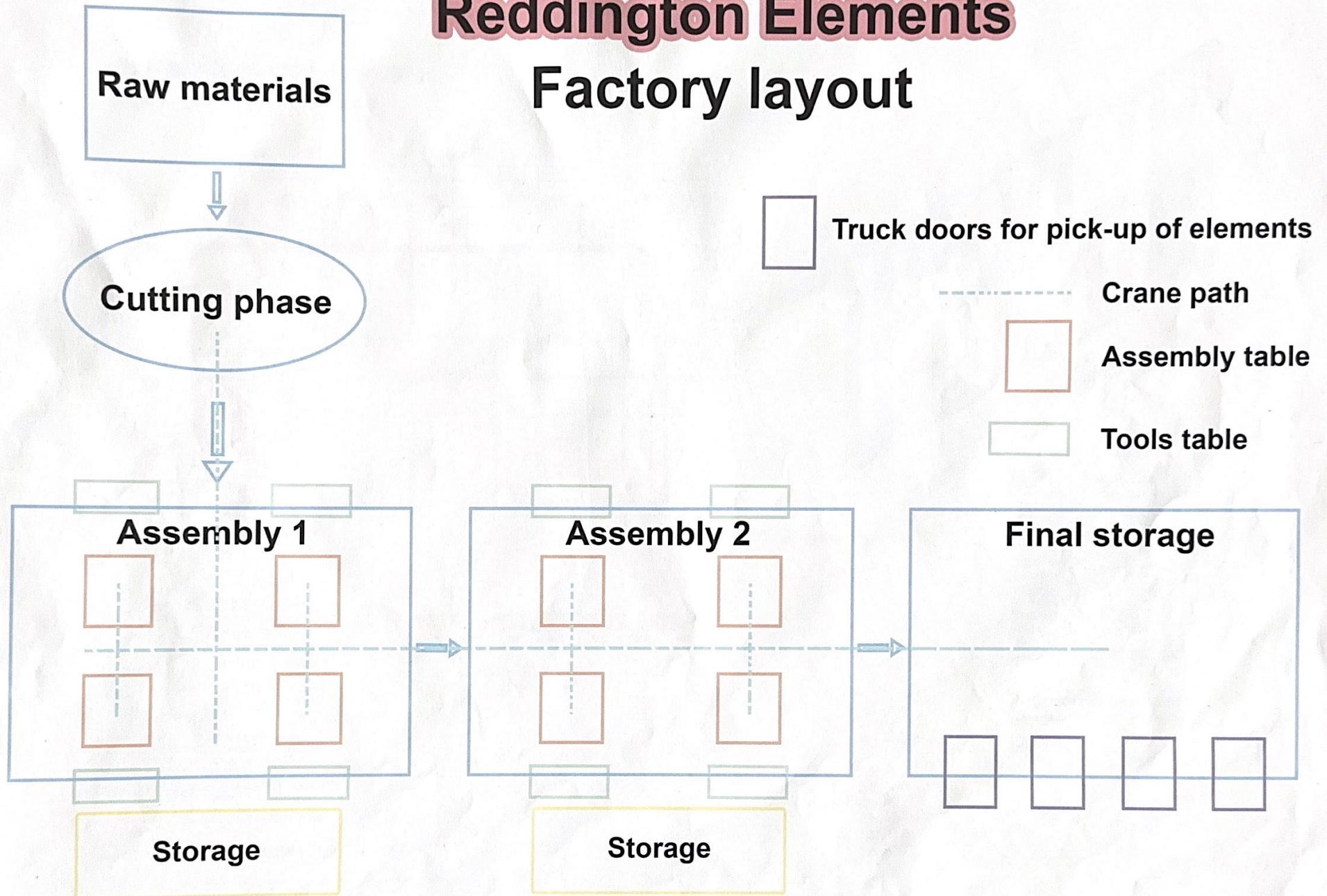
1. Element geometry	Prescribed	Ascertained	Ok	Remedy	Daily control
1 A Total height (max +, - 5 mm)	3600mm				
1 B 1 width (max +, - 3 mm)	7200mm				
1 C Window opening width (max +, - 5 mm)	1700mm				
1 D Window opening height (max +, - 5 mm)	600mm				

2. Quality of material	Prescribed	Ascertained	Ok	Remedy	Daily control
2 A Wooden Main frame	45x245mm				
2 C Damp proof membrane	0,2 mm polyethylene				
2 D Battens	45x45mm				
2 E Insulation 45mm	Mineral wool Cl. 37.				
2 F OSB Board	2400x1200mm				
2 G Insulation 245mm	Mineral wool Cl. 37.				
2 H Wind break Fire Impregnated	9mm Plywood				
2 I Distance Strips Impregnated	12x45mm				
2 J Counter Battens	45x45mm				
2 K Cladding	21x70x3600mm				

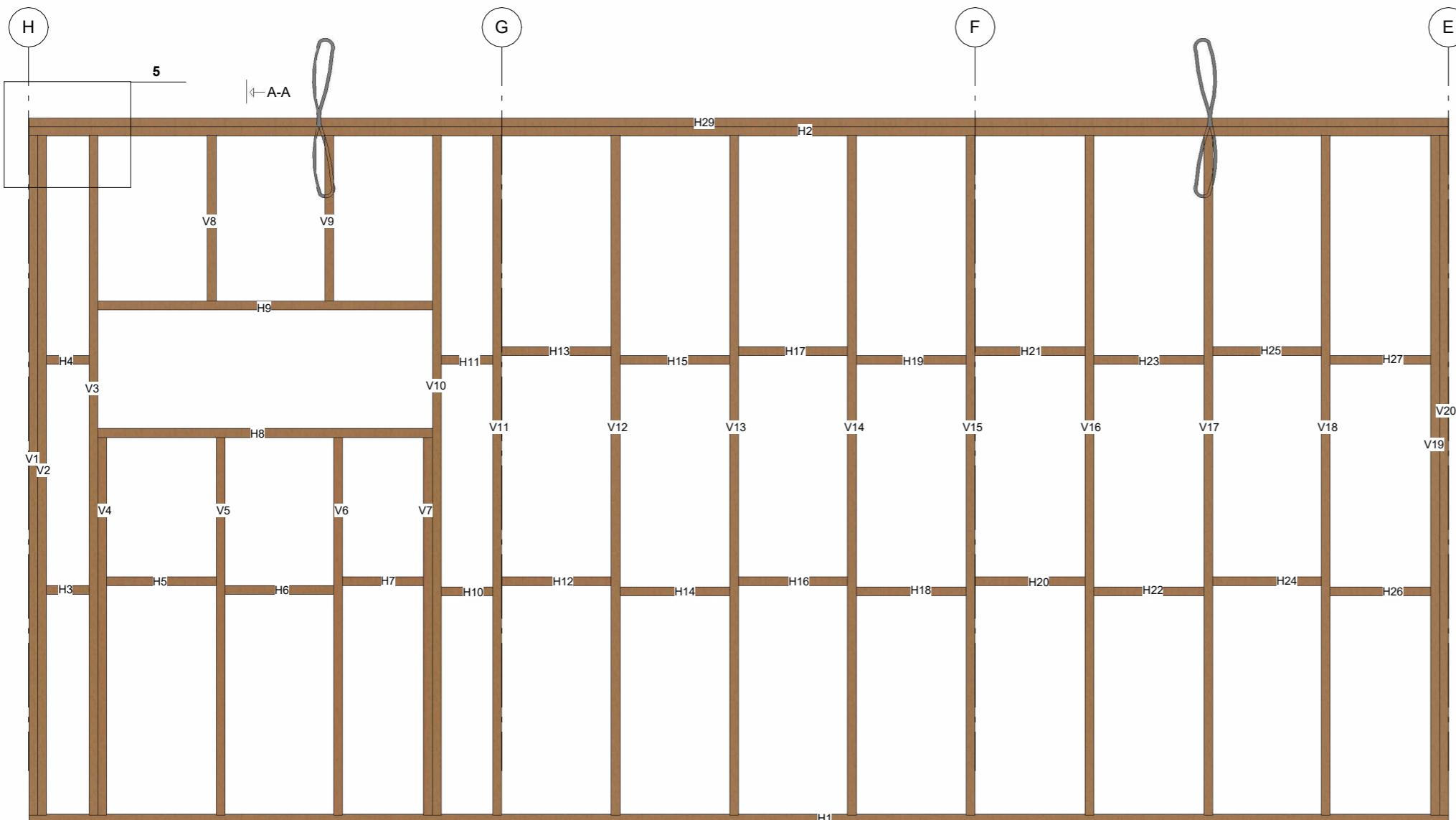
3. Quality of assembly	Ok	Remedy	Daily control
3 A Wooden frame: placement/connection			
3 B Lifting anchor: Placement/connection with 3-strand Danaflex dia. 10mm			
3 C Wooden frame: Placement/connection with 5,0 x 80/ 0,5 x 150 mm screws			
3 D Damp proof membrane: Correct placement/fixing			
3 E Battens Placement/connection with 5,0 x 80/ 0,5 x 180 mm screws			
3 F Insulating 45mm: Correct fixing and placement			
3 G Internal OSB Board: Placement/fixing with galvanized nails 4,0x45mm			
3 H Insulating 245mm: Correct fixing and placement			
3 I Wind break (Fire Plywood): Placement/fixing with galvanized nails 3,9x38mm			
3 J Distance strips: Placement/fixing with 0,5 x 50 mm screws			
3 K Counter Battens: Placement/fixing with 0,5 x 120mm screws			
3 L External Cladding: Placement/fixing with nails 2,1x45mm			
3 M Packaging of element.			
3 N Miscellaneous			

Reddington Elements

Factory layout



LOAD-BEARING FRAME - STEP 1

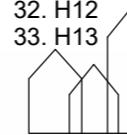


Inside
1 : 25

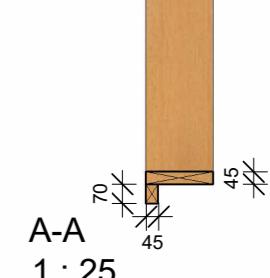
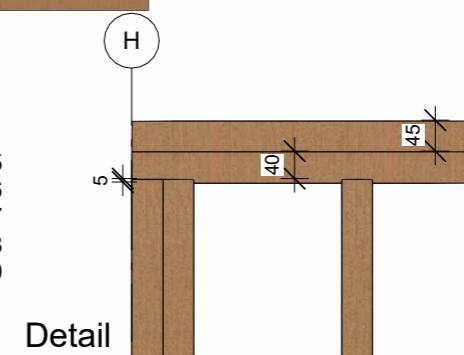
Load Bearing Frame			
Dimensions	Length	Mark	Count
45x245 mm timber	7200	H1, H2	2
45x245 mm timber	3450	V1,V2,V3,V10,V11, V12,V13,V14,V15,V16, V17,V18,V19,V20	14
45x245 mm timber	1915	V4,V5,V6,V7	4
45x245 mm timber	845	V8,V9	2
45x245 mm timber	215	H3,H4	2
45x245 mm timber	1700	H8,H9	2
45x245 mm timber	555	H5,H6,H12,H13,H14,H15, H16,H17,H18,H19,H20,H21, H22,H23,H24,H25	16
45x245 mm timber	410	H7	1
45x245 mm timber	260	H10,H11	2
45x245 mm timber	510	H26,H27	2
45x70 mm timber	7200	H28,H29	2
TOTAL			49

Mounting Sequence

- | | | | | |
|--------|---------|---------|---------|---------|
| 1. H1 | 12. H8 | 23. V18 | 34. H14 | 45. H25 |
| 2. H2 | 13. V8 | 24. V19 | 35. H15 | 46. H26 |
| 3. V1 | 14. V9 | 25. H3 | 36. H16 | 47. H27 |
| 4. V20 | 15. H9 | 26. H4 | 37. H17 | 48. H28 |
| 5. V2 | 16. V11 | 27. H5 | 38. H18 | 49. H29 |
| 6. V3 | 17. V12 | 28. H6 | 39. H19 | |
| 7. V10 | 18. V13 | 29. H7 | 40. H20 | |
| 8. V4 | 19. V14 | 30. H10 | 41. H21 | |
| 9. V5 | 20. V15 | 31. H11 | 42. H22 | |
| 10. V6 | 21. V16 | 32. H12 | 43. H23 | |
| 11. V7 | 22. V17 | 33. H13 | 44. H24 | |



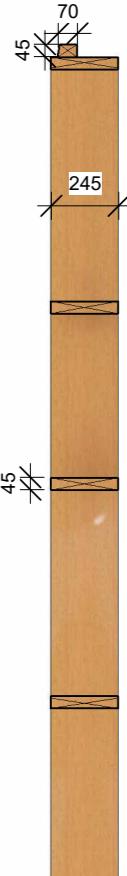
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Wall Specification

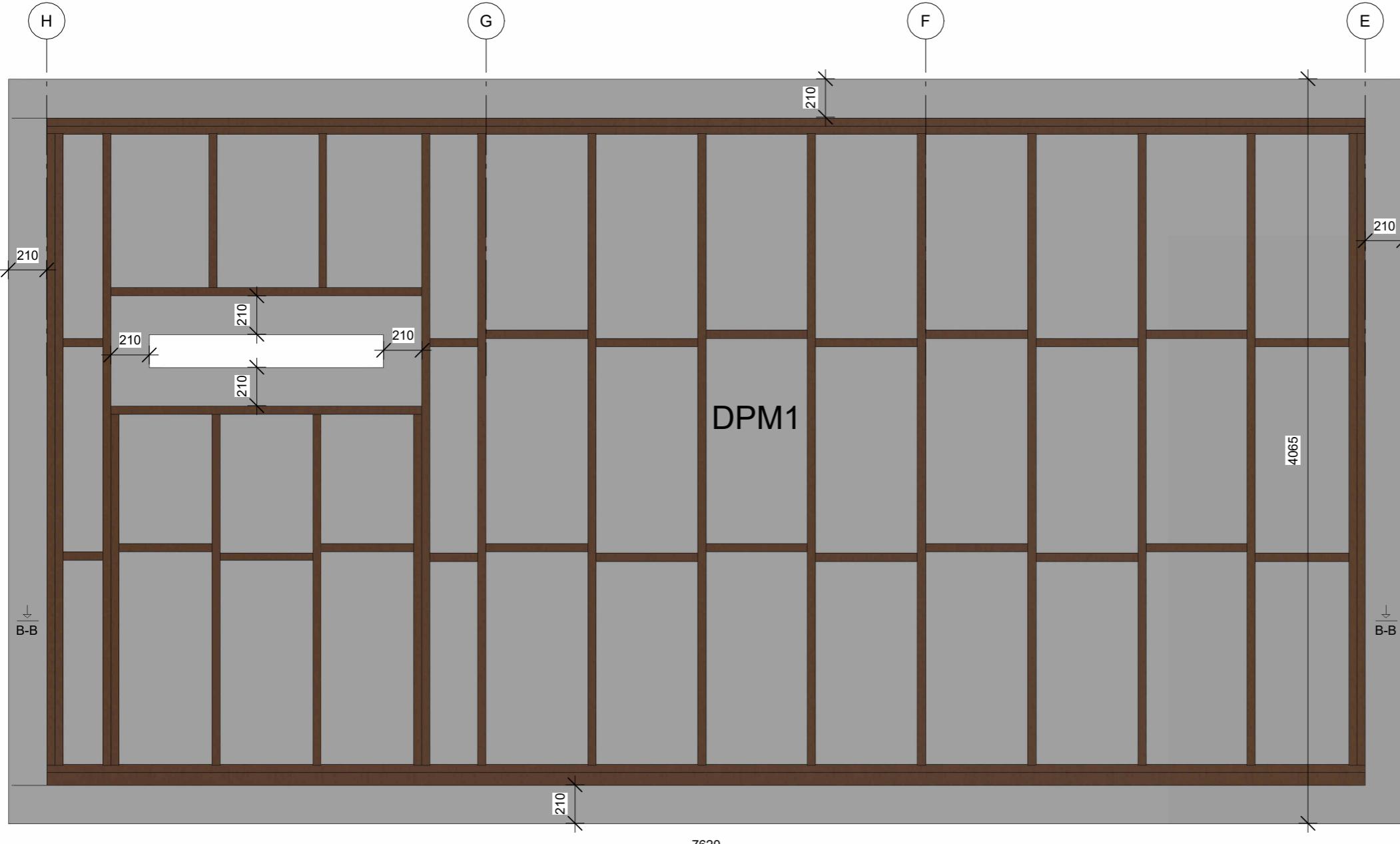
Prefabricated Timber Wall

- Vertical Wood Cladding - 21 x 70 mm
- Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
- Distance Strips - 12 x 45 mm Vertical c/c 600 mm
- Windbarrier - 9mm
- Load-Bearing Frame Timber Studs - 45 x 245 mm**
- Mineral Wool Insulation Batts - 245 mm (2x125 mm)
- DPM - 2 mm
- Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
- Mineral Wool Insulation Batts - 45 mm
- OSB Boards - 12 mm



PROJECT: Multi-Purpose Hall	DATE: 18-05-2023	5
SUBJECT: Load-Bearing Frame - Step 1	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH21-23F	

DPM PE-FPIL STEP 2



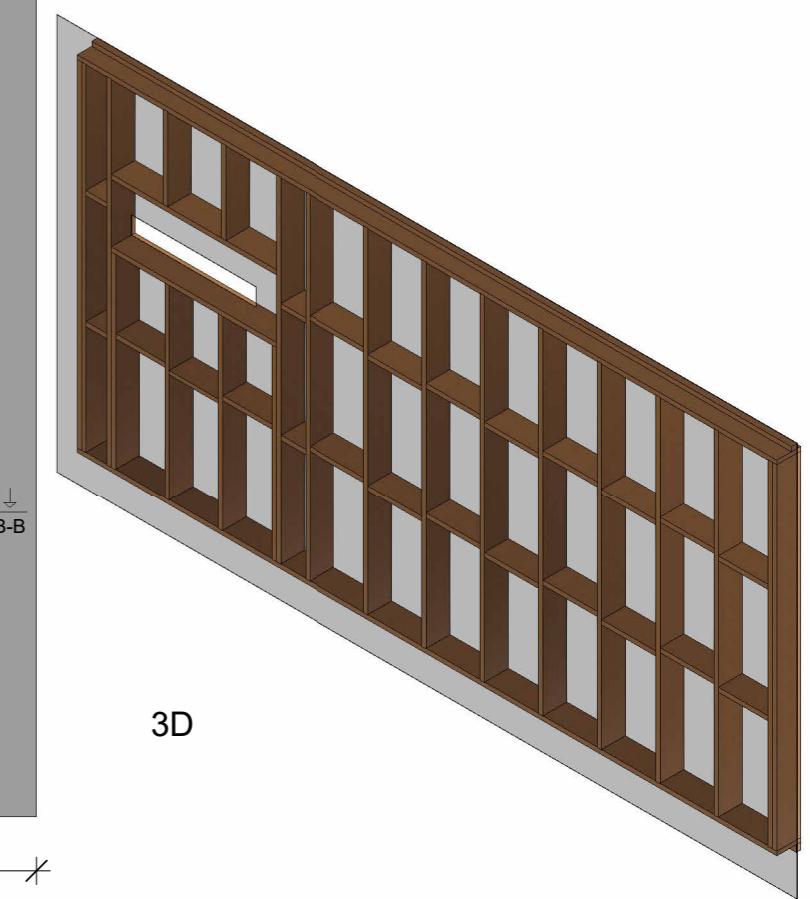
B-B
1 : 25

DPM-PE Foil			
Length	Width	Mark	Count
7620	4065	DPM1	1
TOTAL			1

Wall Specification

Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x145 mm)
7. **DPM - 2 mm**
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. OSB Boards - 12 mm



Mounting Sequence

1. DPM1

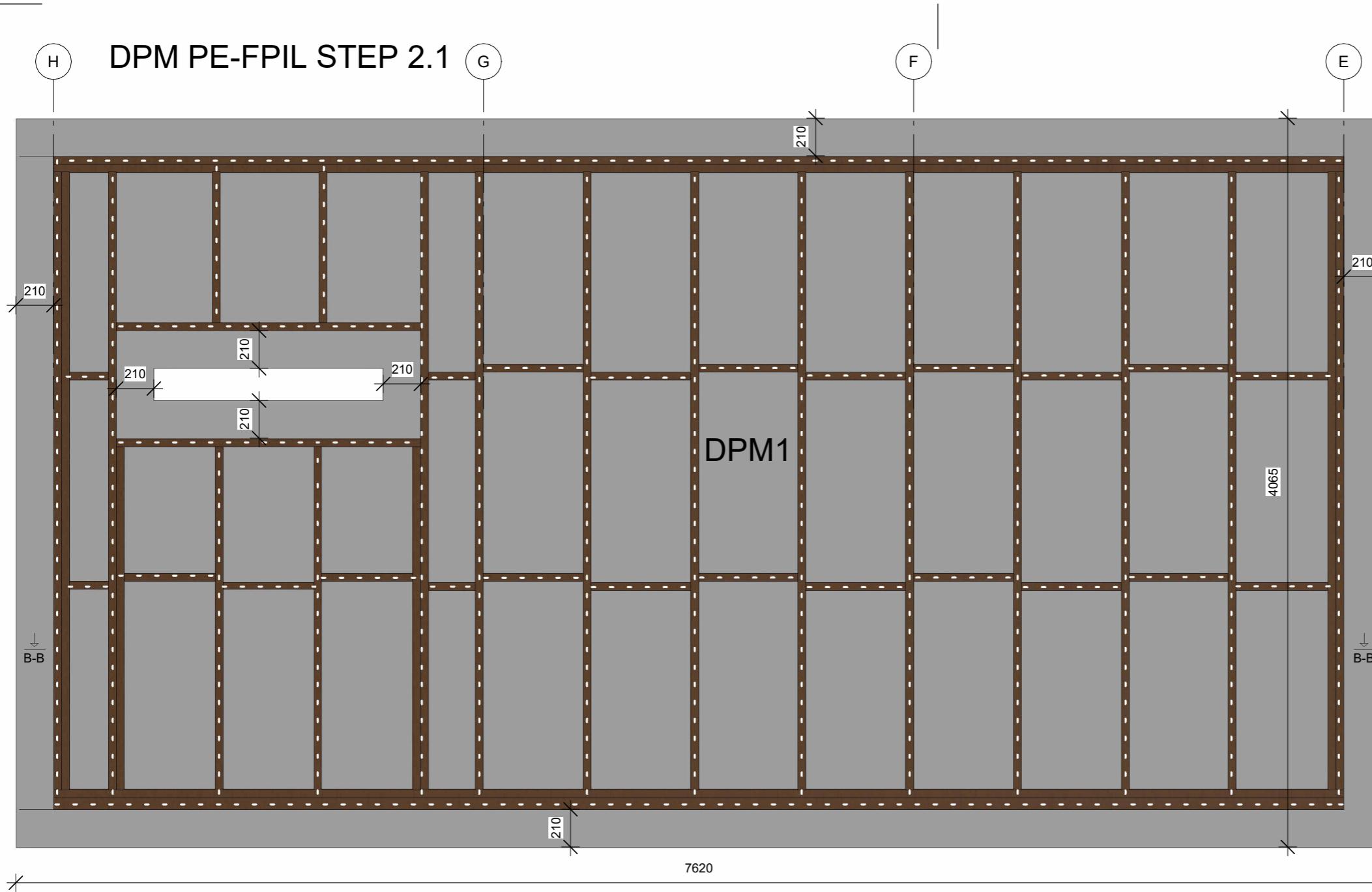


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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	7
SUBJECT: DPM-PE Foil - Step 2	SCALE: 1 : 25	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

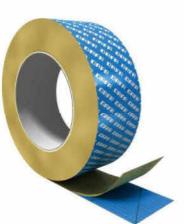
DPM PE-FPIL STEP 2.1



Information

Manufacturer: DAFA
 Material: ProFoil - Polyethylene (PE) material
 Type: Vapour barrier foil
 Fire Classification: F
 Staples: TJEP - PG 50

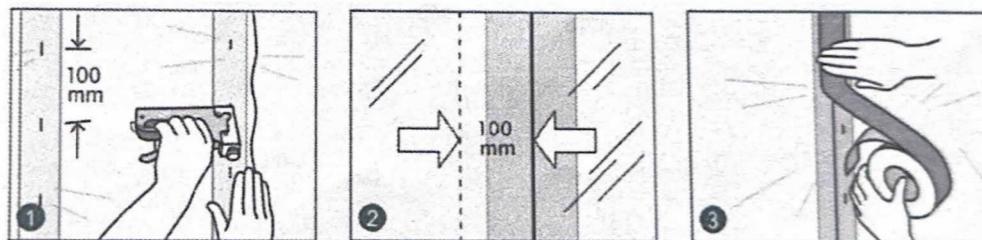
Inside 1
 1 : 25



Elektroshop.dk

Step-by-step process:

1. Laying down the DPM Roll and cutting it to specified dimensions.
2. Stapling the DPM to the main frame studs behind.
3. Tapeing the staples to ensure a tight connection.



The DPM is fixed with staples to the main, load-bearing frame and around the opening. The staples are covered by tape, although the staples are showing on top of the tape on the drawing, for the workers to have a clearer idea of the placement of the staples. The spacing between the staples is 100mm.



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PROJECT: Multi-Purpose Hall

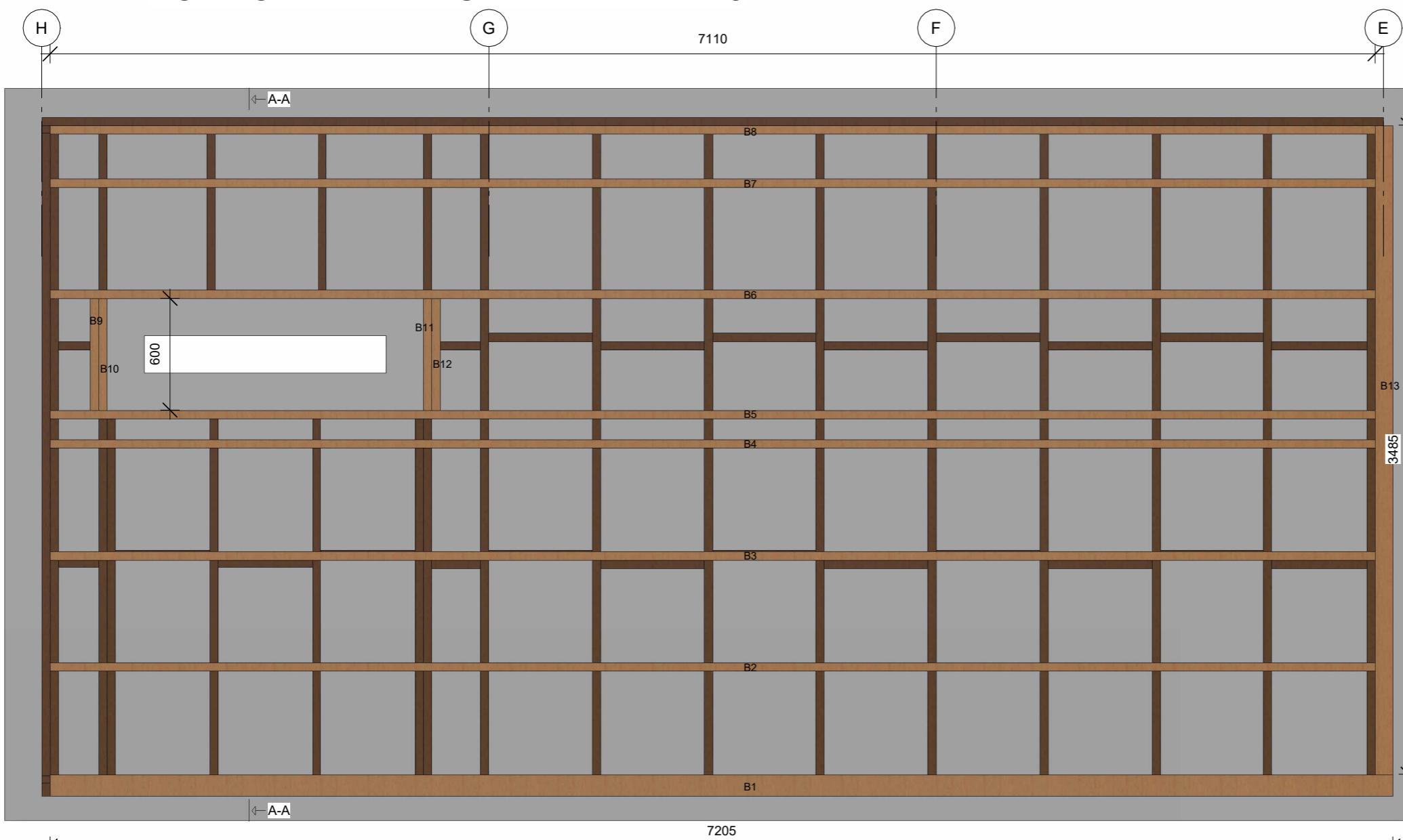
SUBJECT: DPM-PE Foil - Step 2.1

DRAWN BY: Dimitrian Cebotaru

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QUALITY CONTROL	
DPM Assembly	<input type="checkbox"/>
Correct sheet size used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct stample dimensions	<input type="checkbox"/>
No damages on foil	<input type="checkbox"/>
Name:	
Date:	Signature:

NON LOAD-BEARING FRAME - STEP 3



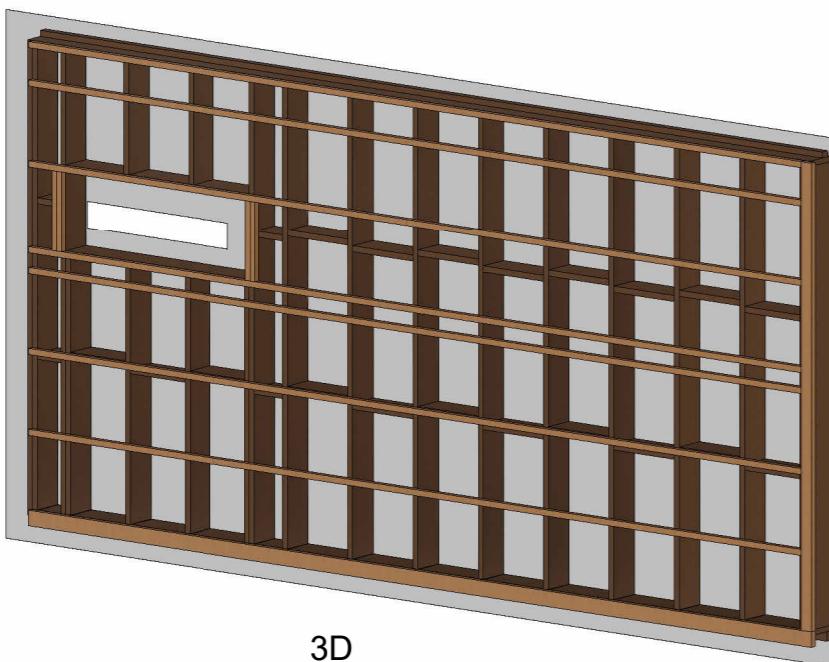
Wall Specification

Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Battern - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x145 mm)
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. OSB Boards - 12 mm



Inside
1 : 25



Mounting Sequence

1. B1
2. B2
3. B3
4. B4
5. B5
6. B6
7. B9
8. B10
9. B11
10. B12
11. B7
12. B8
13. B13

Non-Load-Bearing Frame			
Dimensions	Length	Mark	Count
45x115 mm timber	7205	B1	1
45x45 mm timber	7110	B2,B3,B4,B5,B6,B7,B8	7
45x45 mm timber	600	B9,B10,B11,B12	4
45x95 mm timber	3485	B13	1
TOTAL			13

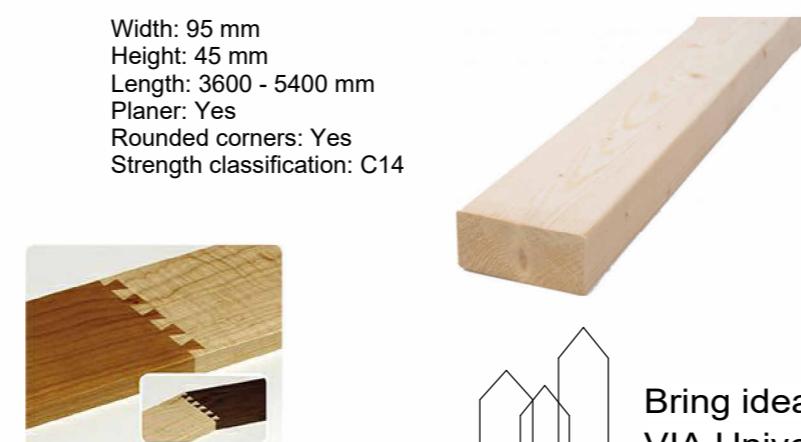
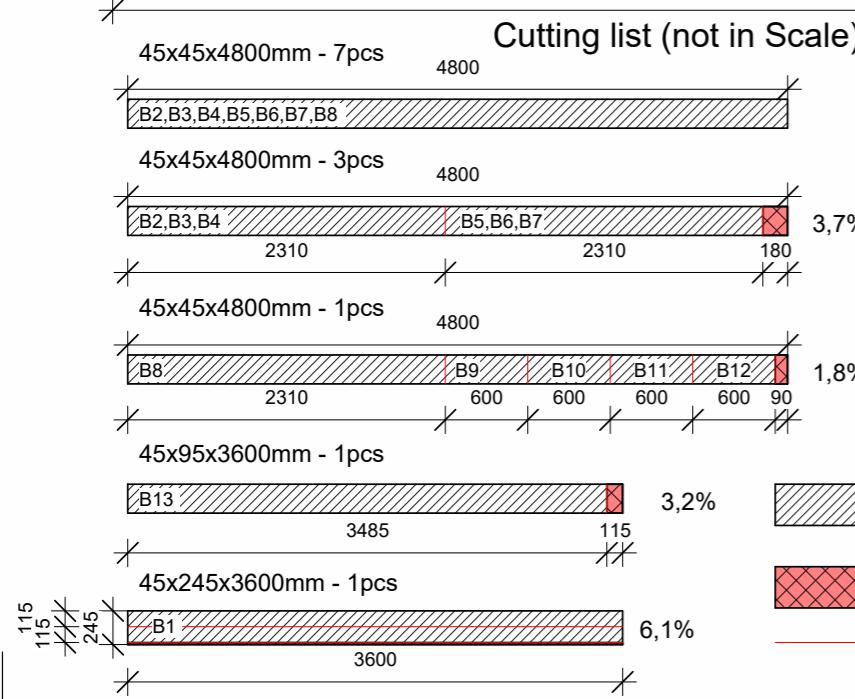
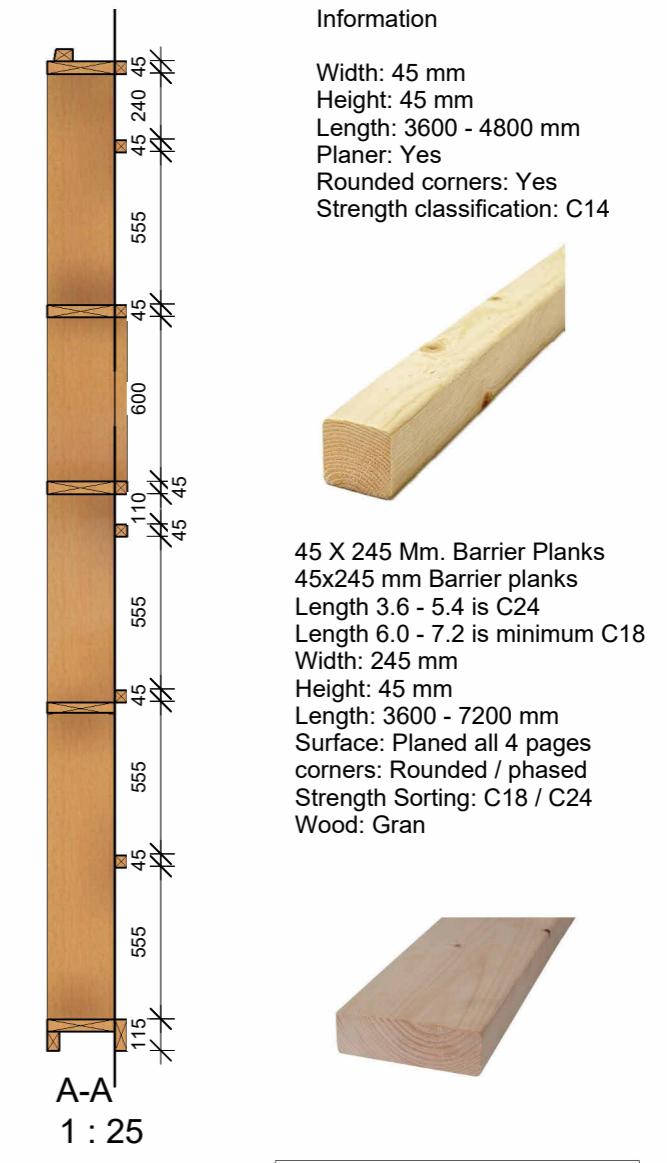
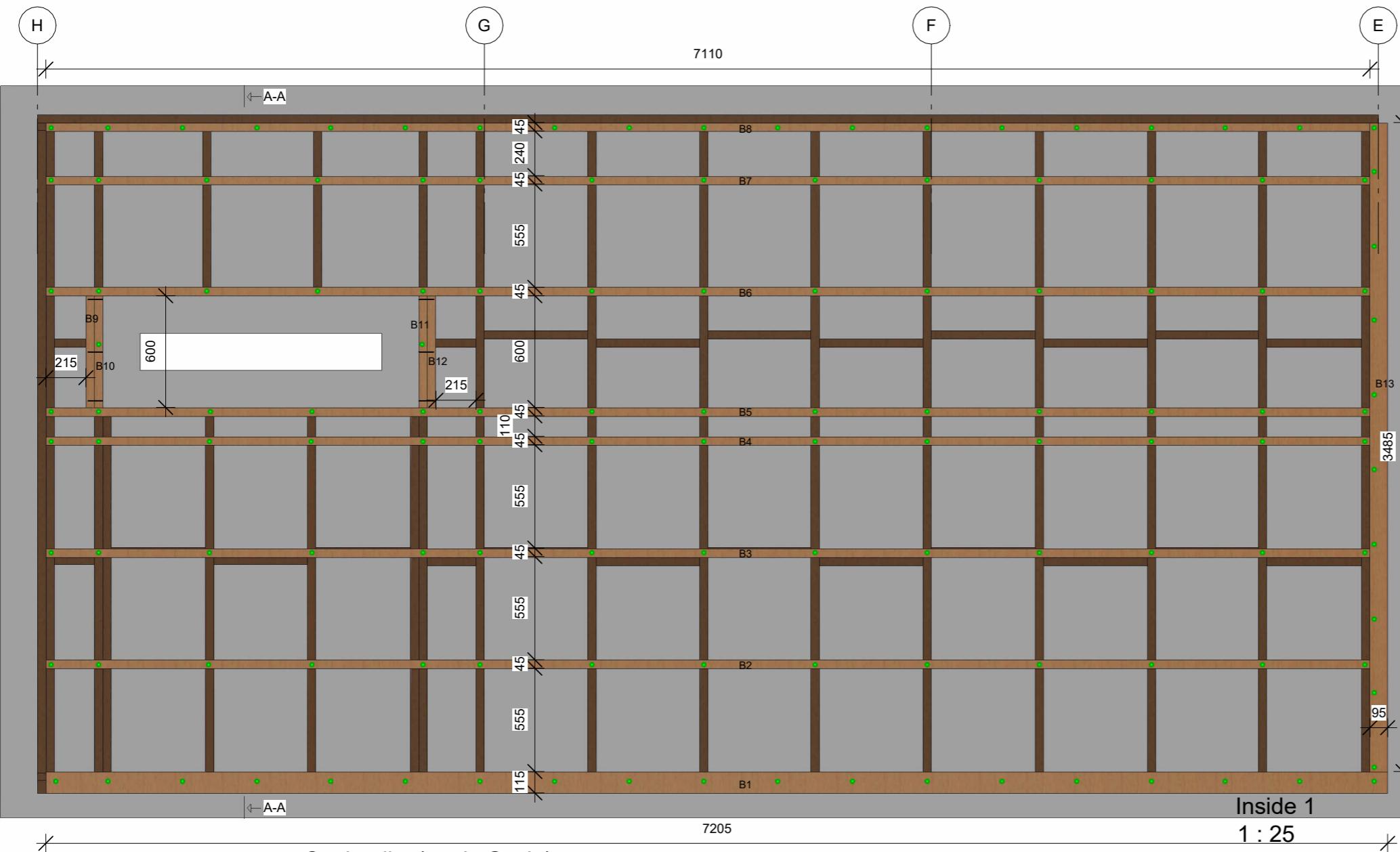


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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	9
SUBJECT: Non-Load-Bearing Frame - Step 3	SCALE: 1 : 25	
DRAWN BY: Cebotaru Dimitrian	CLASS: AH31-23F	

NON LOAD-BEARING FRAME - STEP 3.1



Dovetail joint
Connection of the B1,B2,
B3,B4,B5,B6,B7,B8

1. NKT Universal Spun+ 5,0x80* for connecting the studs between them
 2. NKT Universal Spun+ 5,0x180* for connecting to the load-bearing frame
- Use Class: 2



QUALITY CONTROL

Wood Frame Assembly	
Correct studs used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct dimensions	<input type="checkbox"/>
No damages on wood	<input type="checkbox"/>

Name: _____

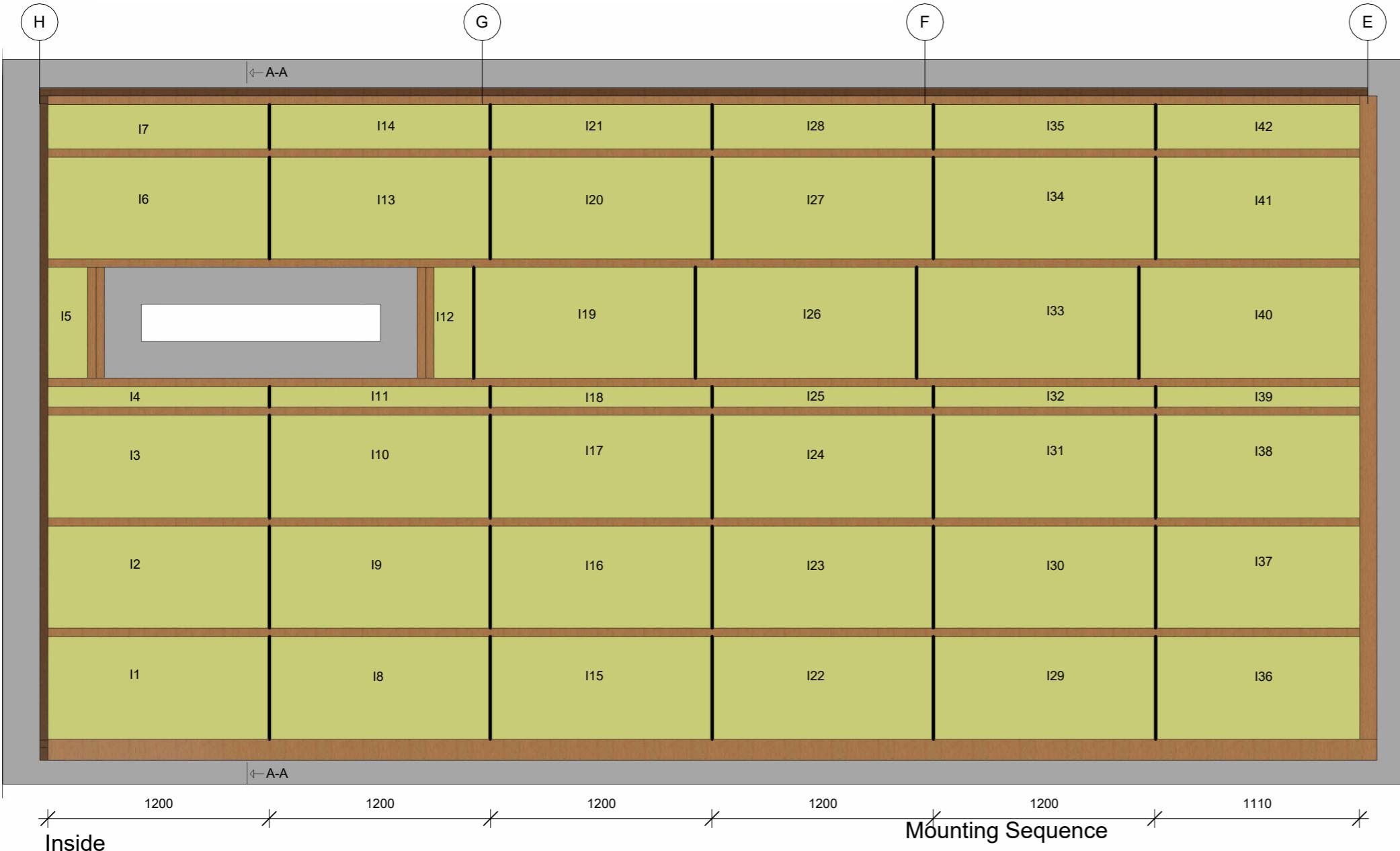
Date: _____ Signature: _____

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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	10
SUBJECT: Non-Load-Bearing Frame - Step 3.1	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

NON LOAD-BEARING FRAME INSULATION - STEP 4



Inside

1 : 25

Mineral WOOL Batts - 45 mm			
Length	Width	Mark	Count
1200	600	I1,I2,I3,I6,I8,I9,I10, I13,I15,I16,I17,I19, I20,I22,I23,I24,I26, I27,I29,I30,I31,I33, I34,I36,I37,I38,I40, I41	28
1200	110	I4,I11,I18,I25,I32,I39	6
215	600	I5,I12	2
1200	240	I7,I14,I21,I28,I35,I42	6

A-A

- Mounting Sequence
1. I1 12.I19 23.I34 34.I14
 2. I2 13.I20 24.I36 35.I18
 3. I3 14.I22 25.I37 36.I21
 4. I6 15.I23 26.I38 37.I25
 5. I8 16.I24 27.I40 38.I28
 6. I9 17.I26 28.I41 39.I32
 7. I10 18.I27 29.I4 40.I35
 8. I13 19.I29 30.I5 41.I39
 9. I15 20.I30 31.I7 42.I41
 10. I16 21.I31 32.I11 33.I12
 11. I17 22.I33



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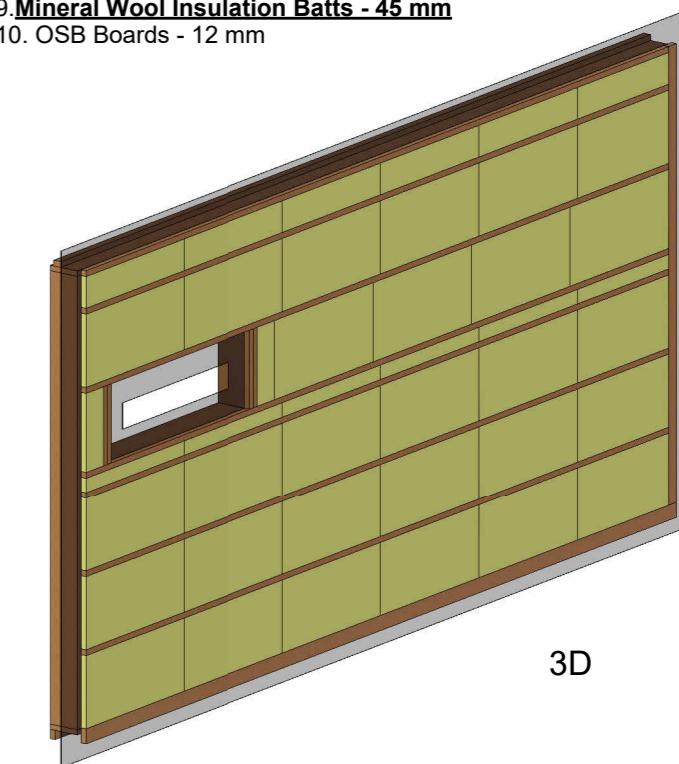
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PROJECT: Multi-Purpose Hall	DATE: 05-12-23	11
SUBJECT: Mineral Wool Insulation Batts - Step 4	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

WALL SPECIFICATION

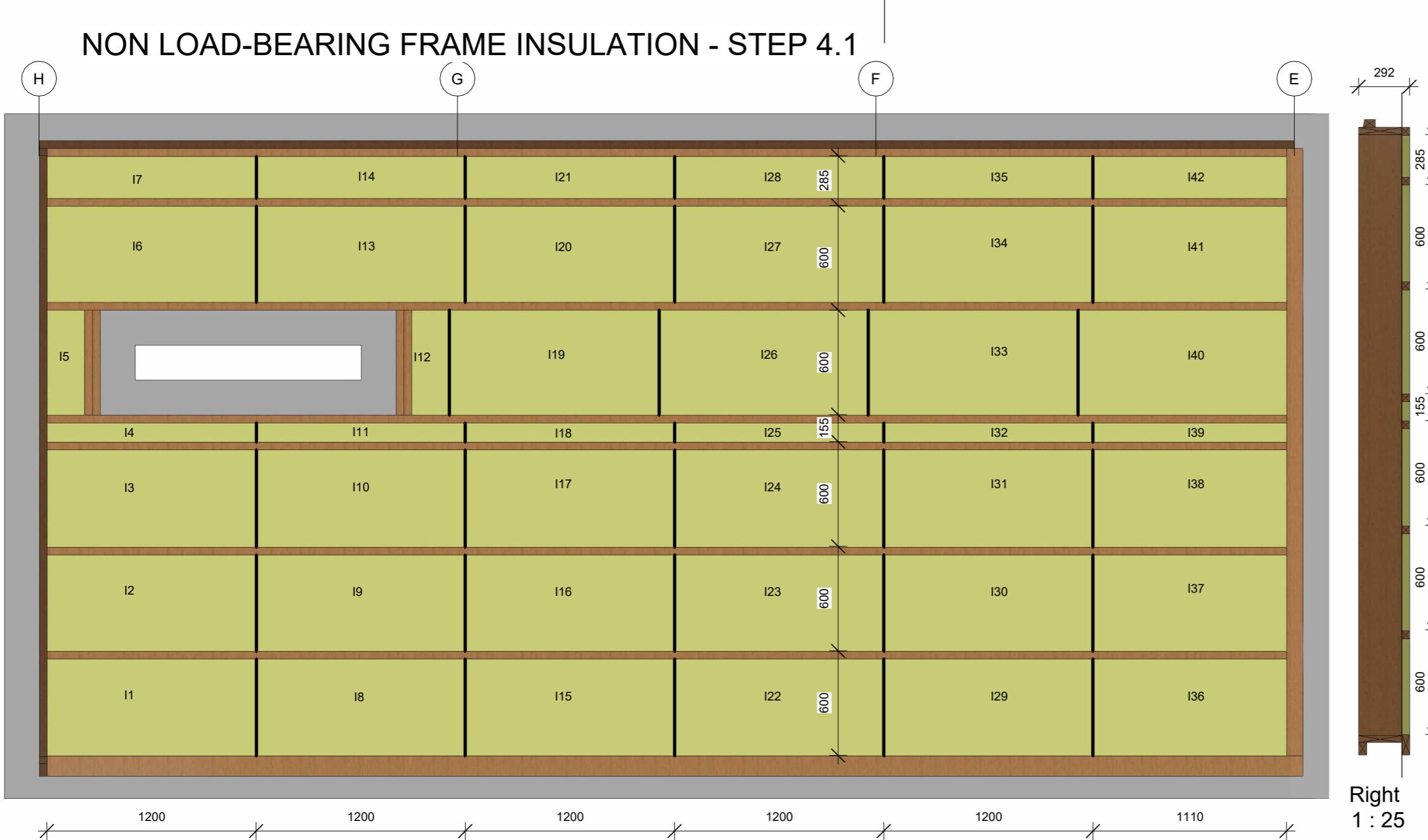
Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Battern - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x125 mm)
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. OSB Boards - 12 mm



3D

NON LOAD-BEARING FRAME INSULATION - STEP 4.1

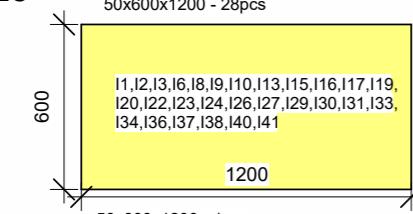


Right
1 : 25

Inside 1

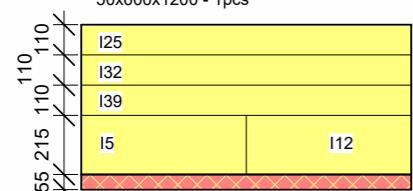
1 : 25

Cutting list (not in Scale)



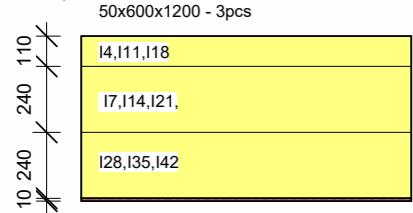
Waste
0%

The non load-bearing wooden frame is filled with the layer of mineral wool and the batts that are closer to each other, they need to be cut in order to fit using a serrated knife are cut according to the cutting list.



9,1%
Waste

Insulation used



1,6%
Waste

Information

Manufacturer: Rockwool
Material: Stone wool insulation
Dimensions: 50x600x1200 mm
Thermal conductivity: 0.034 W/mK
Fire classification: A1



QUALITY CONTROL

Insulation Assembly

- Correct thickness used
- Properly fixed
- Correct dimensions
- All cavities properly filled

Name:

Date: Signature:

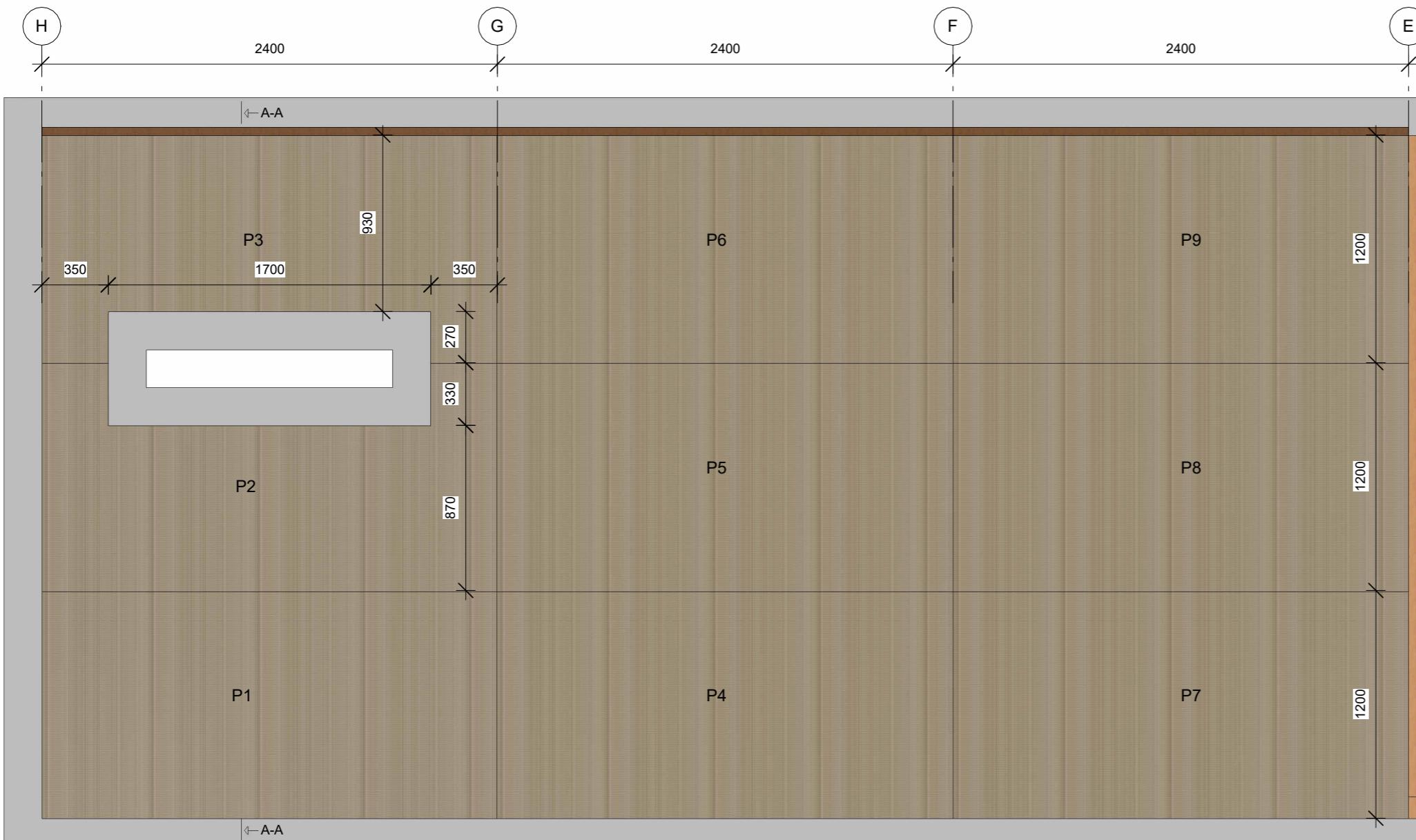


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PROJECT: Multi-Purpose Hall	DATE: 21-05-23
SUBJECT: Mineral Wool Insulation Batts - Step 4.1	SCALE: As indicated
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F

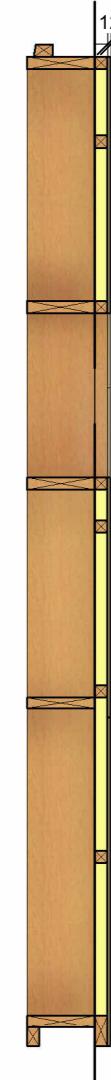
OSB Boards - STEP 5



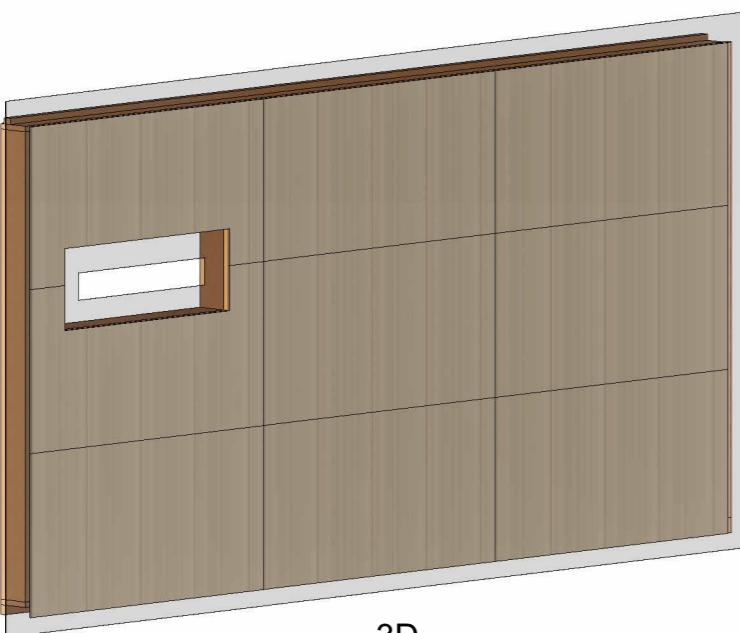
WALL SPECIFICATION

Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x125 mm)
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. **OSB Boards - 12 mm**



Inside
1 : 25



3D

Mounting Sequence

- | | |
|-------|-------|
| 1. P1 | 6. P8 |
| 2. P4 | 7. P3 |
| 3. P7 | 8. P6 |
| 4. P2 | 9. P9 |
| 5. P5 | |

OSB Board - 12mm			
Width	Length	Mark	Count
1200	2400	P1,P4,P5,P6,P7,P8,P9	7
1200	2400	P2	1
1200	2400	P3	1
		TOTAL	9

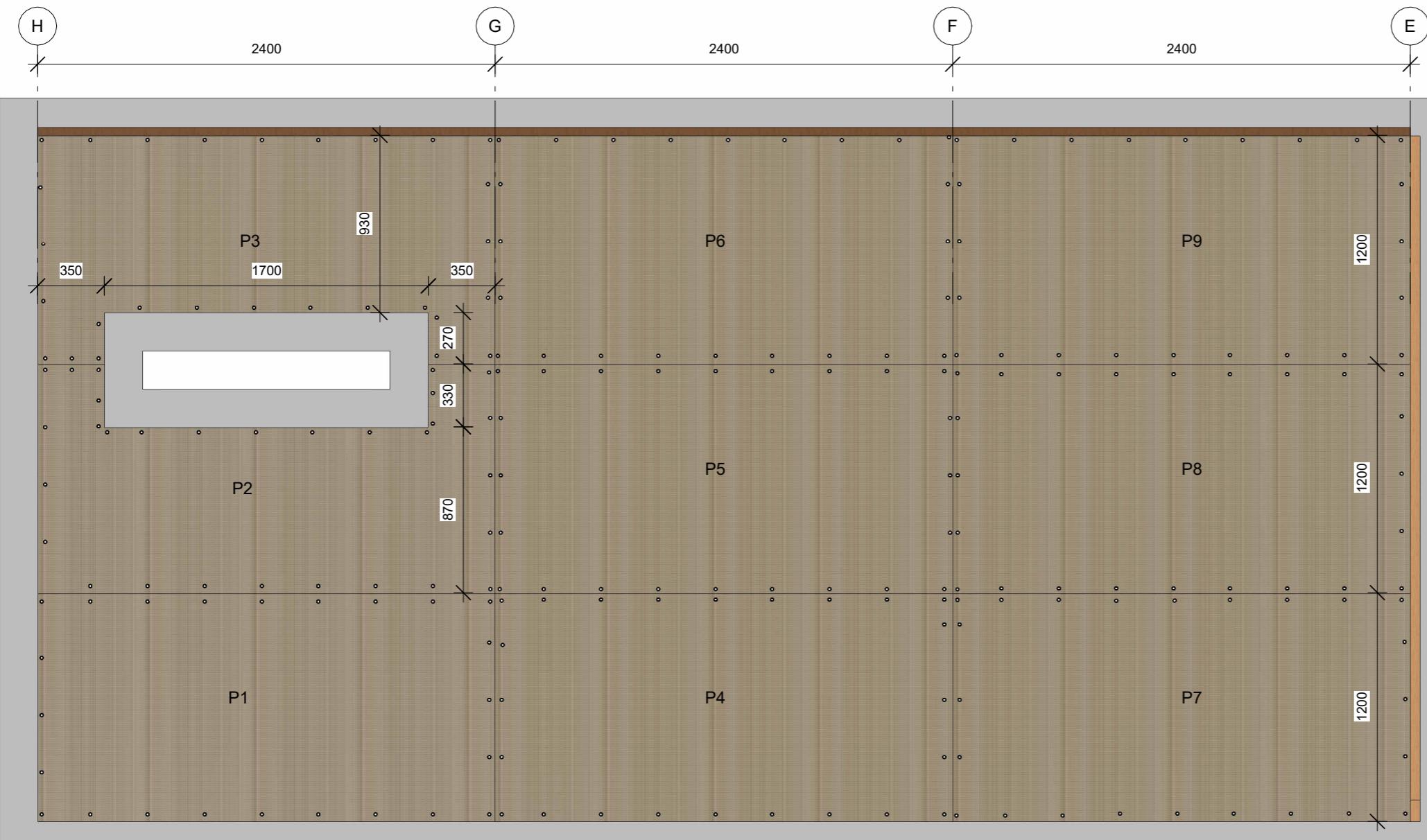


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PROJECT: Multi-Purpose Hall	DATE: 20-05-2023	13
SUBJECT: OSB Boards- Step 5	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

OSB Boards - STEP 5.1



Manufacturer: NFI
Type: TG2 & SQ
Bend-tensile strength: 20/10 MPa
Service Class: 1, 2
Fire class: D-s2,do

Board Dimensions.
12x1200x2400

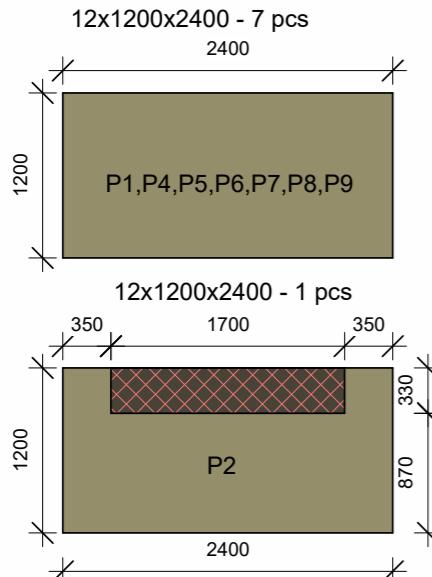


Nails
Annular ring shank nails 45mm

○ - illustrated in the view approx. 300 mm C/C



Inside 1 Cutting List (not in Scale)
1 : 25



Electric Circular Saw



FIXING
The OSB Boards are fixed in every stud to the Non Load-Bearing Wall with Anular ring shank nails.

The distance between each screw on none load bearing studs Is 450mm

QUALITY CONTROL	
OSB Boards Assembly	
Correct boards used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct dimensions	<input type="checkbox"/>
No damages to boards	<input type="checkbox"/>
Name: _____	
Date: _____	Signature: _____

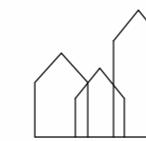
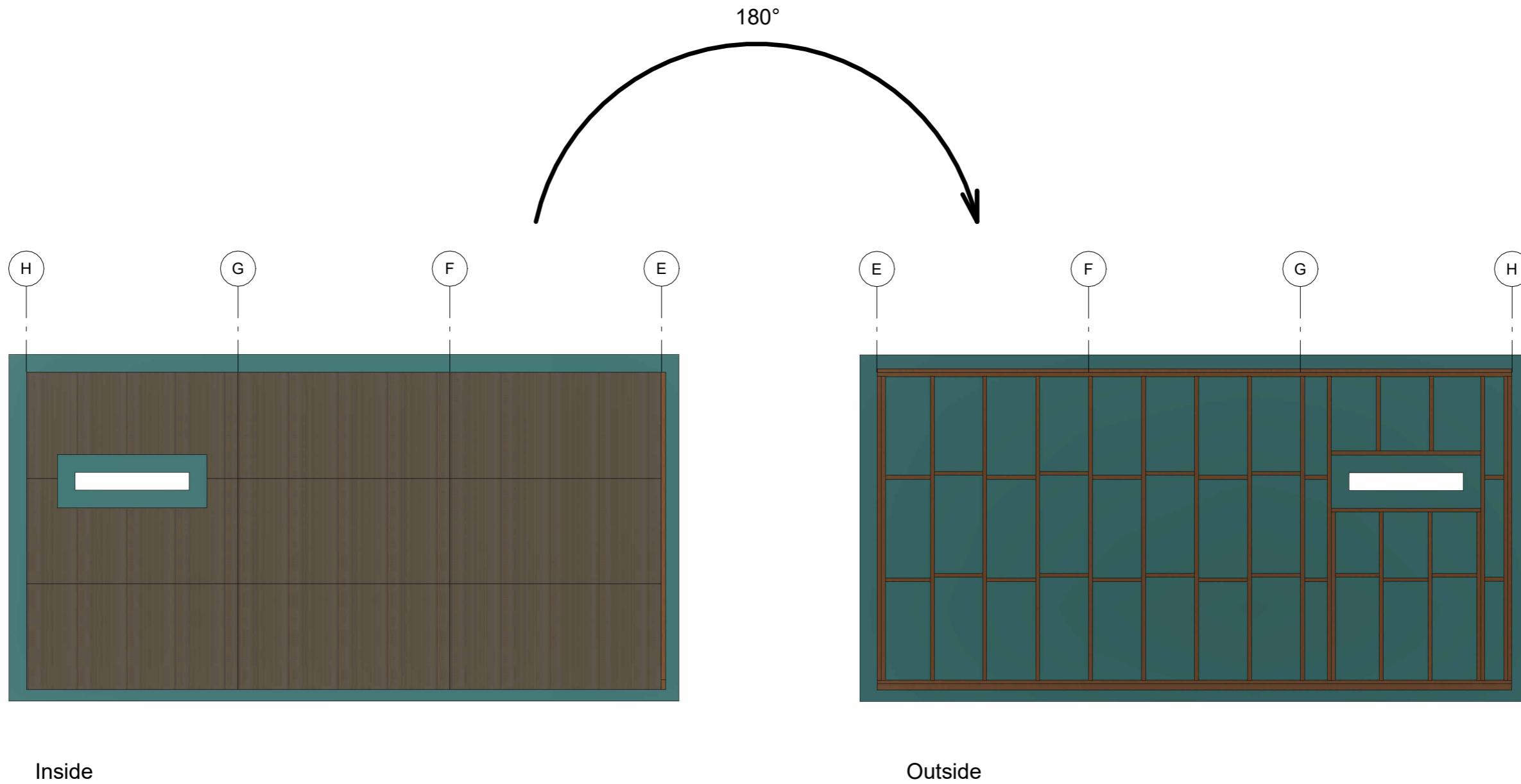


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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	14
SUBJECT: OSB Boards - Step 5.1	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

ROTATION OF THE ELEMENT

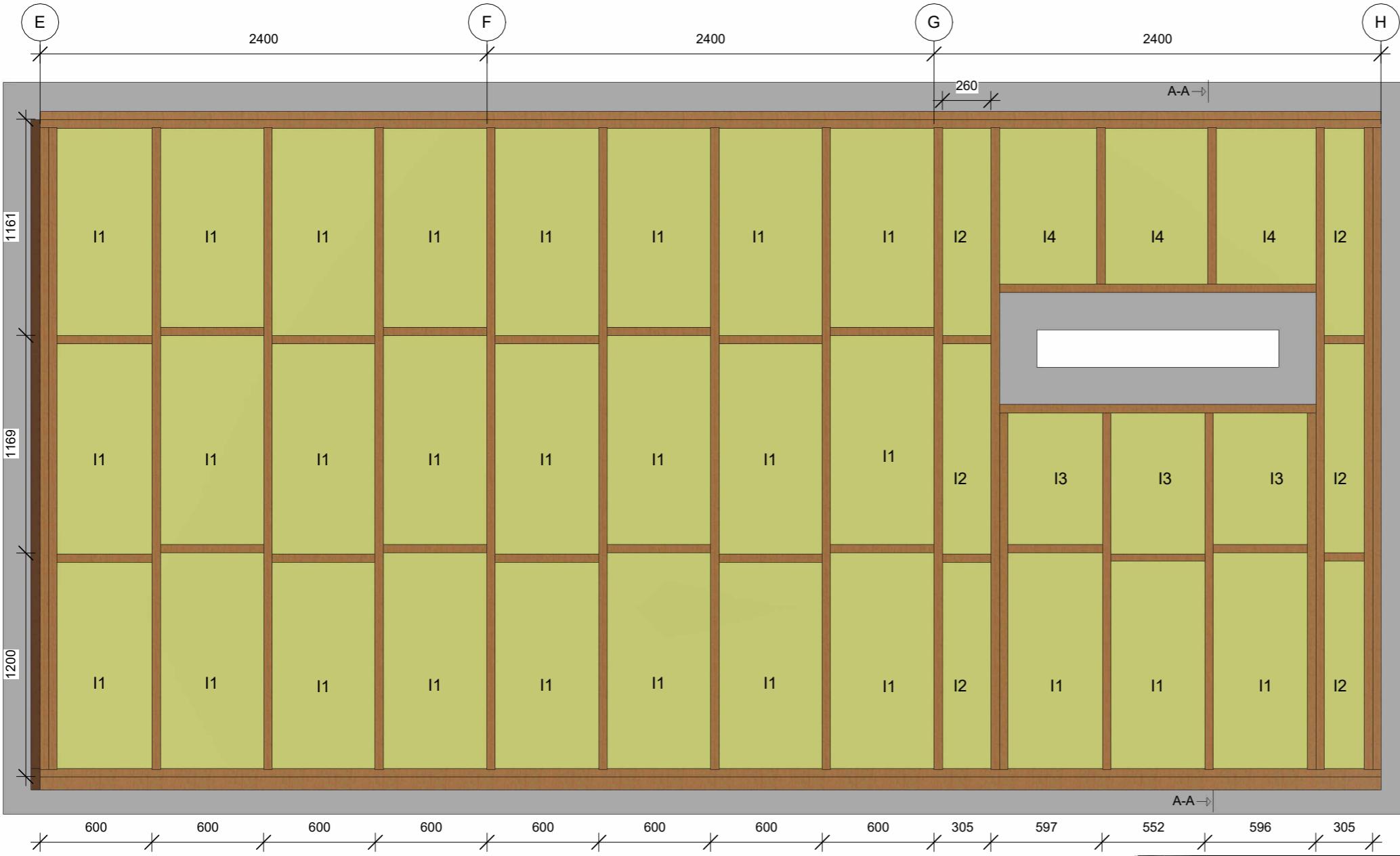


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PROJECT: Multi-Purpose Hall	DATE: 05-14-23	15
SUBJECT: Flip Wall Element	SCALE: 1 : 50	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

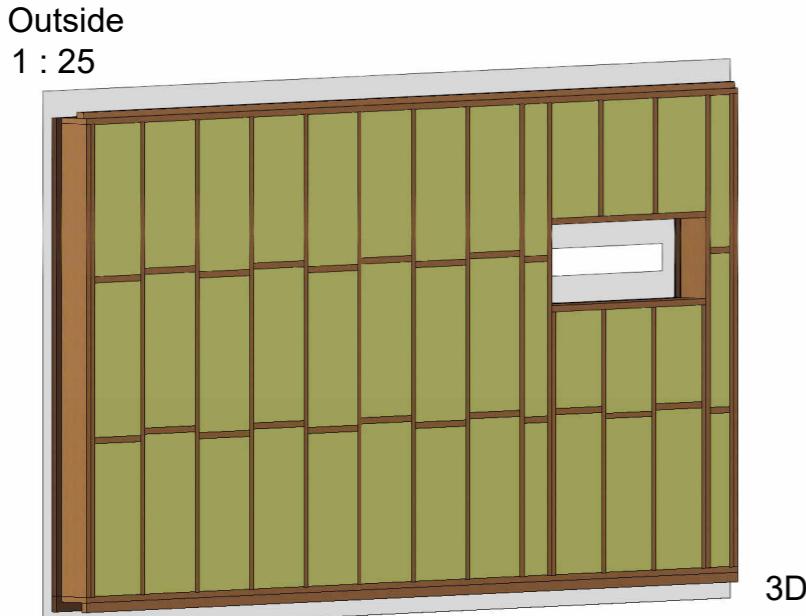
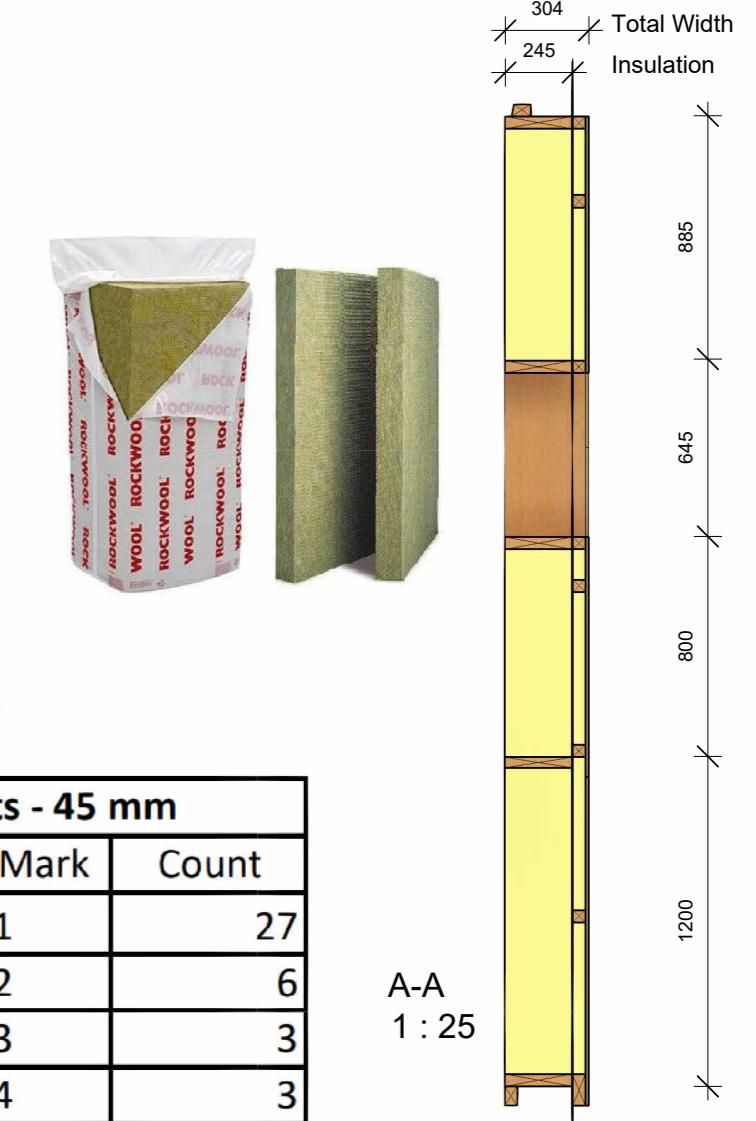
LOAD-BEARING FRAME INSULATION - STEP 6



WALL SPECIFICATION

Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. **Mineral Wool Insulation Batts - 245 mm (2x125 mm)**
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. OSB Boards - 12 mm



Mounting Sequence

1. I1
2. I2
3. I3
4. I4



Mineral WOOL Bats - 45 mm

Length	Width	Mark	Count
1200	600	I1	27
1200	305	I2	6
800	600	I3	3
900	600	I4	3

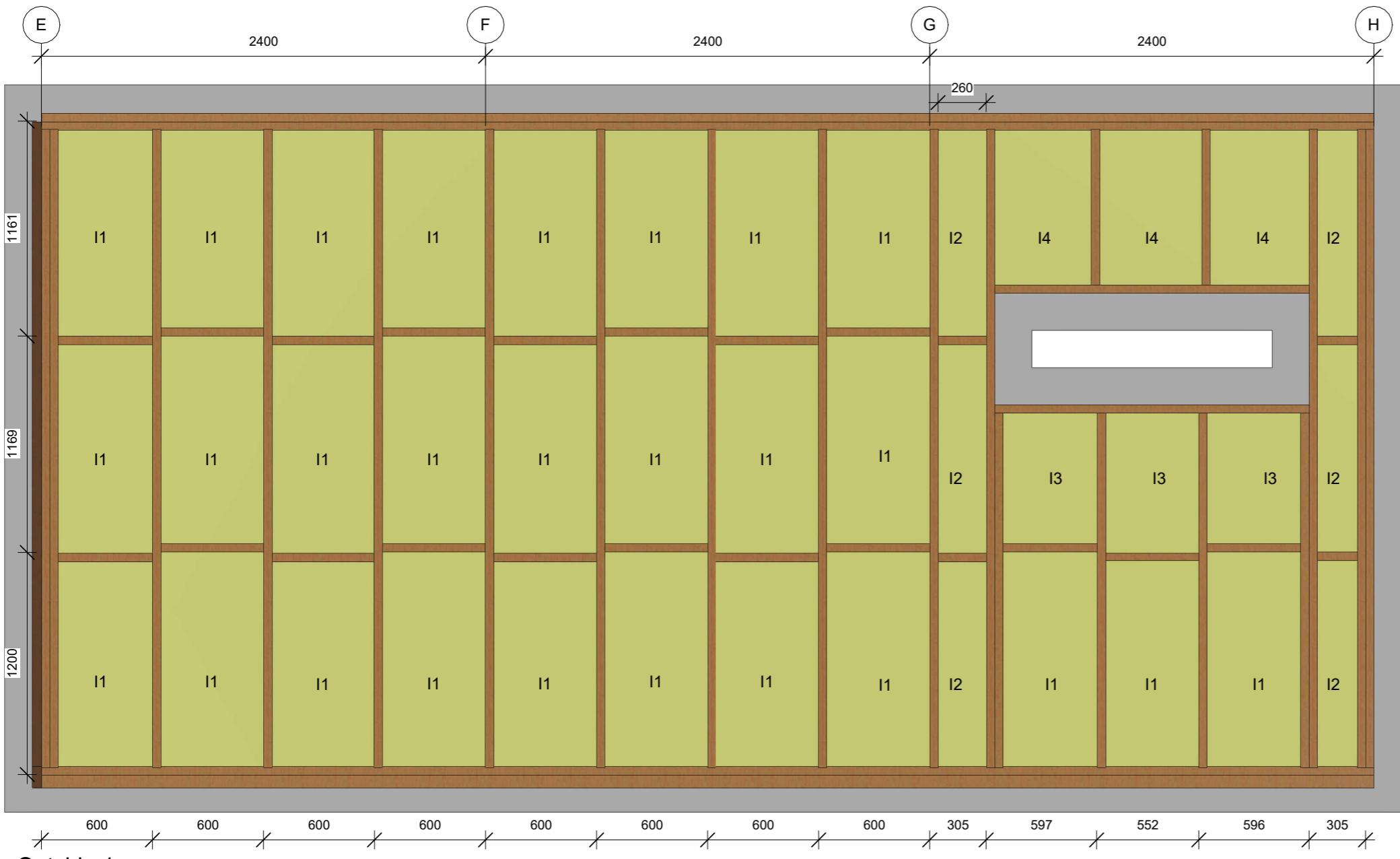


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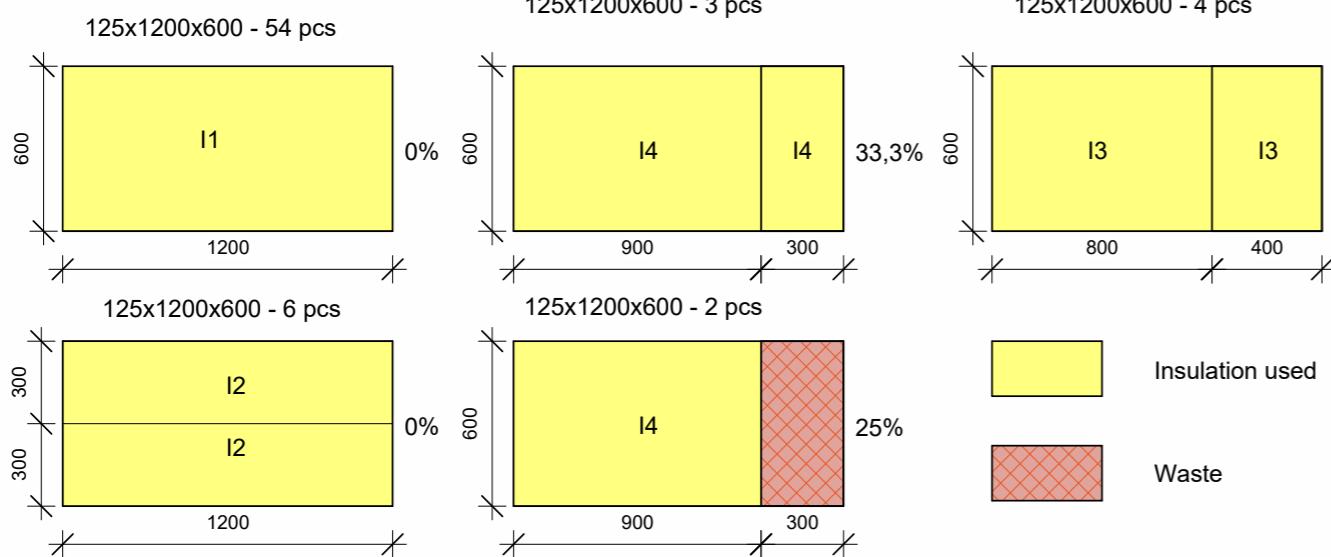
PROJECT: Multi-Purpose Hall	DATE: 21-05-2023	16
SUBJECT: Mineral Wool Insulation Batts - Step 6	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

LOAD-BEARING FRAME INSULATION - STEP 6.1



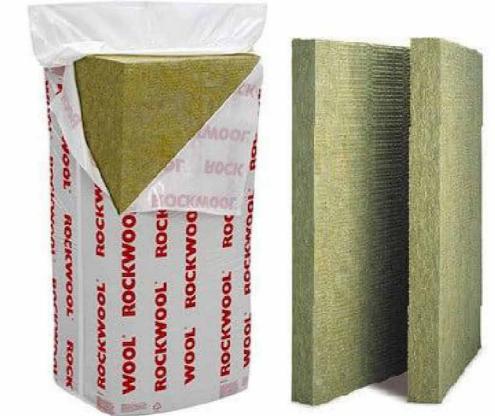
Outside 1
1 : 25

Cutting List (not in Scale)



Information

Manufacturer: Rockwool
Material: Stone wool insulation
Dimensions: 125x600x1200 mm
Thermal conductivity: 0.034 W/mK
Fire classification: A1



QUALITY CONTROL

Insulation Assembly

Correct thickness used

Properly fixed

Correct dimensions

All cavities properly filled

Name:

Date: Signature:

Assembly

In this step we are going to use 2 layers of 125 (thickness) Rockwool. In order to fill the gap of 245mm, the insulation should be cut regarding the cutting list provided. In some occasions where the Insulation will be cut we going to use a serrated knife.

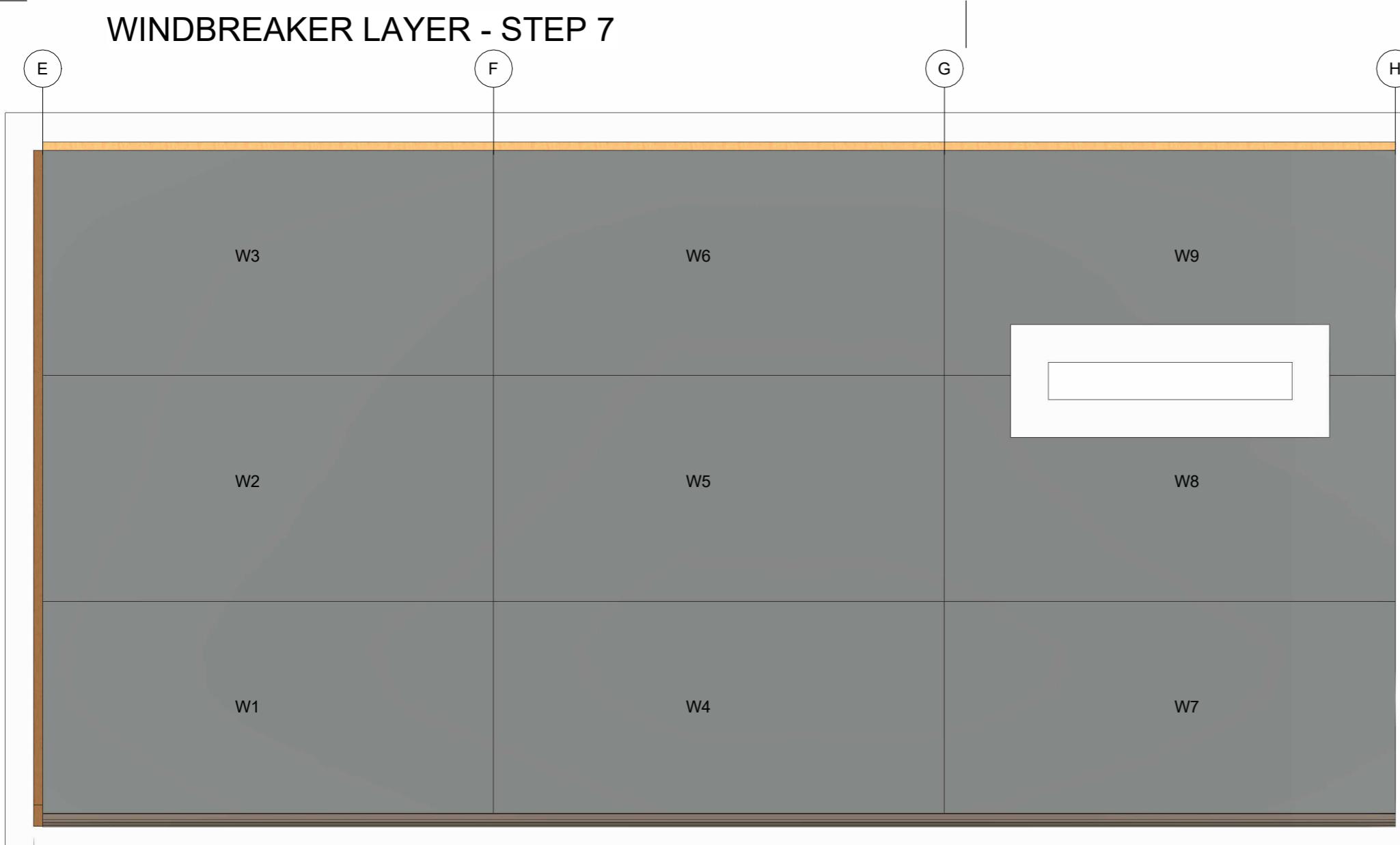


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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	17
SUBJECT: Mineral Wool Insulation Bats - Step 6.1	SCALE: As indicated	
DRAWN BY: Cebotaru Dimitrian	CLASS: AH31-23F	

WINDBREAKER LAYER - STEP 7



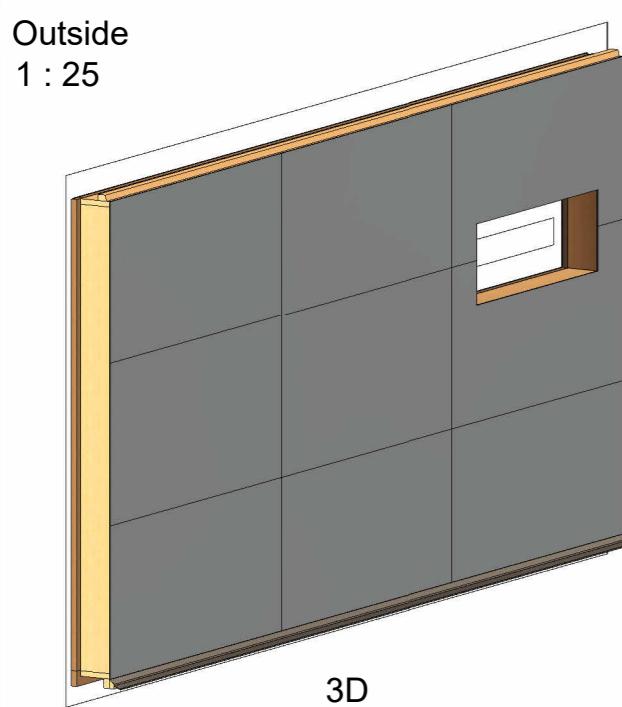
WALL SPECIFICATION

- Prefabricated Timber Wall
1. Vertical Wood Cladding - 21 x 70 mm
 2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
 3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
 - 4. Windbarrier - 9mm**
 5. Load-Bearing Frame Timber Studs - 45 x 245 mm
 6. Mineral Wool Insulation Batts - 245 mm (2x125 mm)
 7. DPM - 2 mm
 8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
 9. Mineral Wool Insulation Batts - 45 mm
 10. OSB Boards- 12 mm



Mounting Sequence

- | | |
|-------|-------|
| 1. W1 | 6. W6 |
| 2. W2 | 7. W7 |
| 3. W3 | 8. W8 |
| 4. W4 | 9. W9 |
| 5. W5 | |



Windbarrier - 9mm			
Width	Length	Mark	Count
1200	2400	W2,W3,W5,W6	4
1200	2400	W8	1
1200	2400	W9	1
1130	2400	W1,W4,W7	3
TOTAL			9



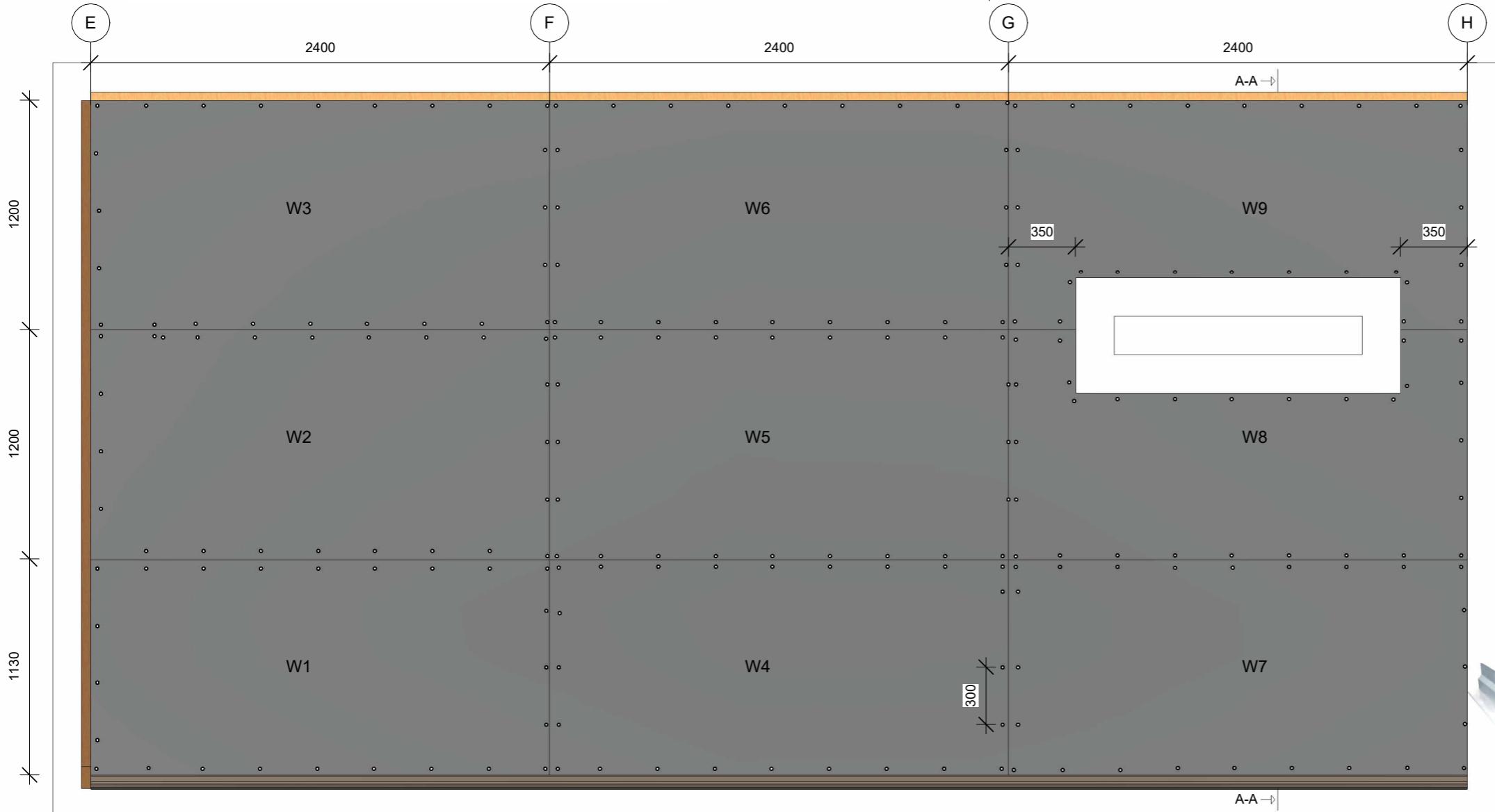
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PROJECT: Multi-Purpose Hall	DATE: 21-05-2023	18
SUBJECT: Windbarrier - Step 7	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

Left
1 : 25

WINDBREAKER LAYER - STEP 7.1



Information

Material: Fiber cement
Colour: Natural
Length: 2400 mm
Width: 1200 mm
Thickness: 9 mm
Fire class: A2,s1-d01
Manufacturer Sodra



Dovetail joint
Connection of the B1



Cembrit
windstopper
tape 75mm

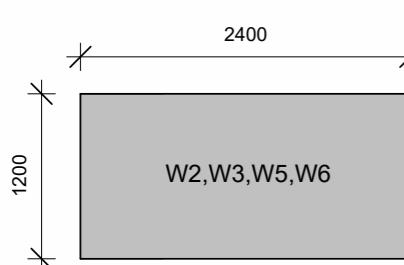


Flashing

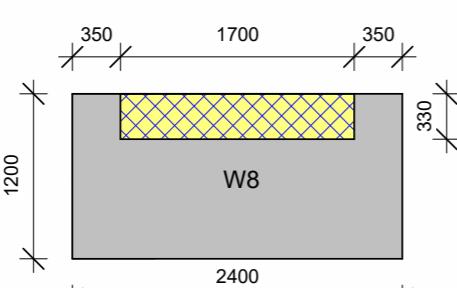
Outside 1

Cutting List (not in Scale)

1 : 25
9x1200x2400 - 4 pcs



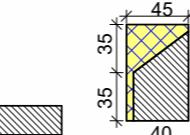
9x1200x2400 - 1 pcs



Electric
Circular Saw



Cembrit 38
Universal Screw
3,9 x 38mm



The boards should be cut according to the cutting list with a electric circular saw that is only designed for cutting fiber cement or with a Cembrit scratch knife where it should be done according the Mounting Sequence. Screw should be placed each 300mm c/c. All the boards joints should be taped over with Cembrit windstopper tape 75mm.

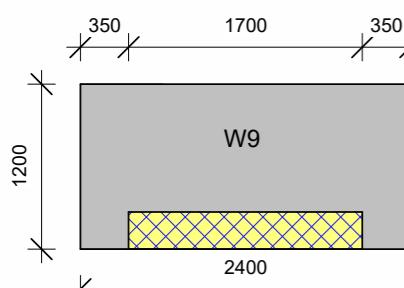
The tape should be placed so that there is an overlap at corners where they meet.

The flashing would be place 50 mm under the windbarrier an it should be fixed each 600mm.

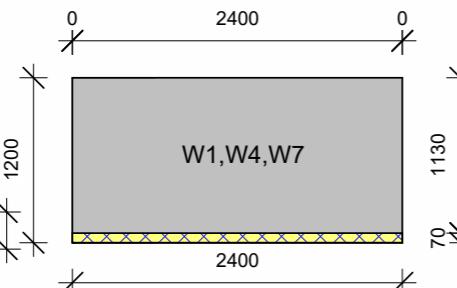
A-A
1 : 25

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9x1200x2400 - 1 pcs



9x1200x2400 - 3 pcs



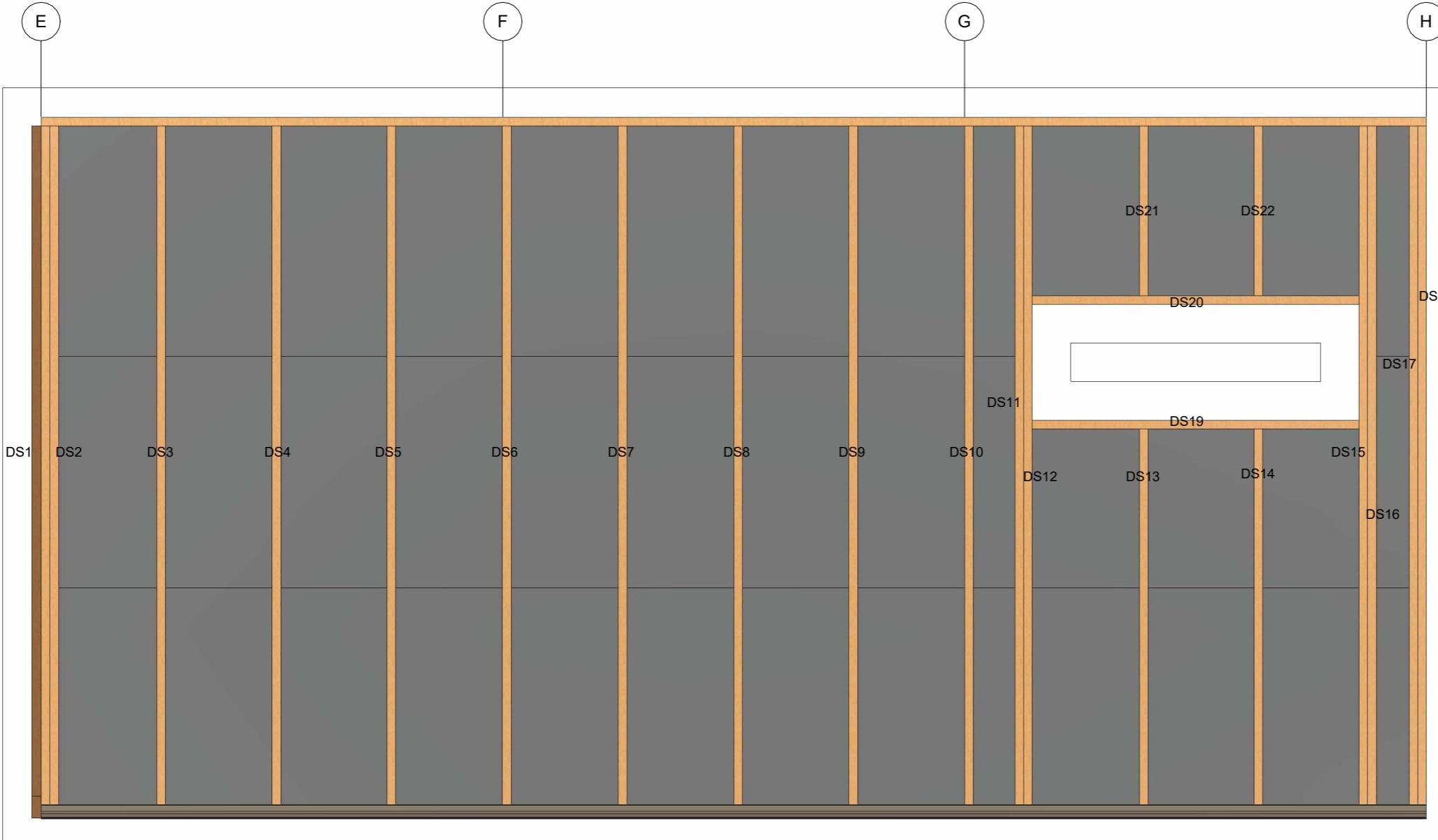
Wind Barrier used

Waste

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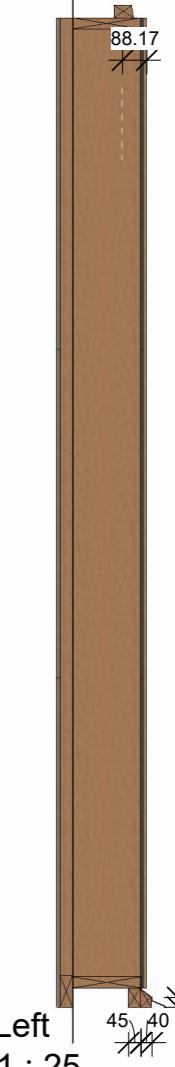
PROJECT: Multi-Purpose Hall	DATE: 21-05-2023
SUBJECT: Windbarrier - Step 7.1	SCALE: As indicated
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F

VERTICAL DISTANCE STRIPS - STEP 8



Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x125 mm)
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. Plywood - 12 mm



3D

Mounting Sequence

- | | | |
|--------|----------|----------|
| 1. DS1 | 9. DS9 | 17. DS22 |
| 2. DS2 | 10. DS10 | 18. DS20 |
| 3. DS3 | 11. DS11 | 19. DS15 |
| 4. DS4 | 12. DS12 | 20. DS16 |
| 5. DS5 | 13. DS13 | 21. DS17 |
| 6. DS6 | 14. DS14 | 22. DS18 |
| 7. DS7 | 15. DS19 | |
| 8. DS8 | 16. DS21 | |

Distance Strips			
Dimensions	Length	Mark	Count
12x45 mm timber	3530	DS1,DS2,DS3,DS4,DS5,DS6, DS7,DS8,DS9,DS10,DS11, DS12,DS15,DS16,DS17,DS18	16
12x45 mm timber	1955	DS13,DS14	2
12x45 mm timber	885	DS21,DS22	2
12x45 mm timber	1700	DS19,DS20	2
		TOTAL	22

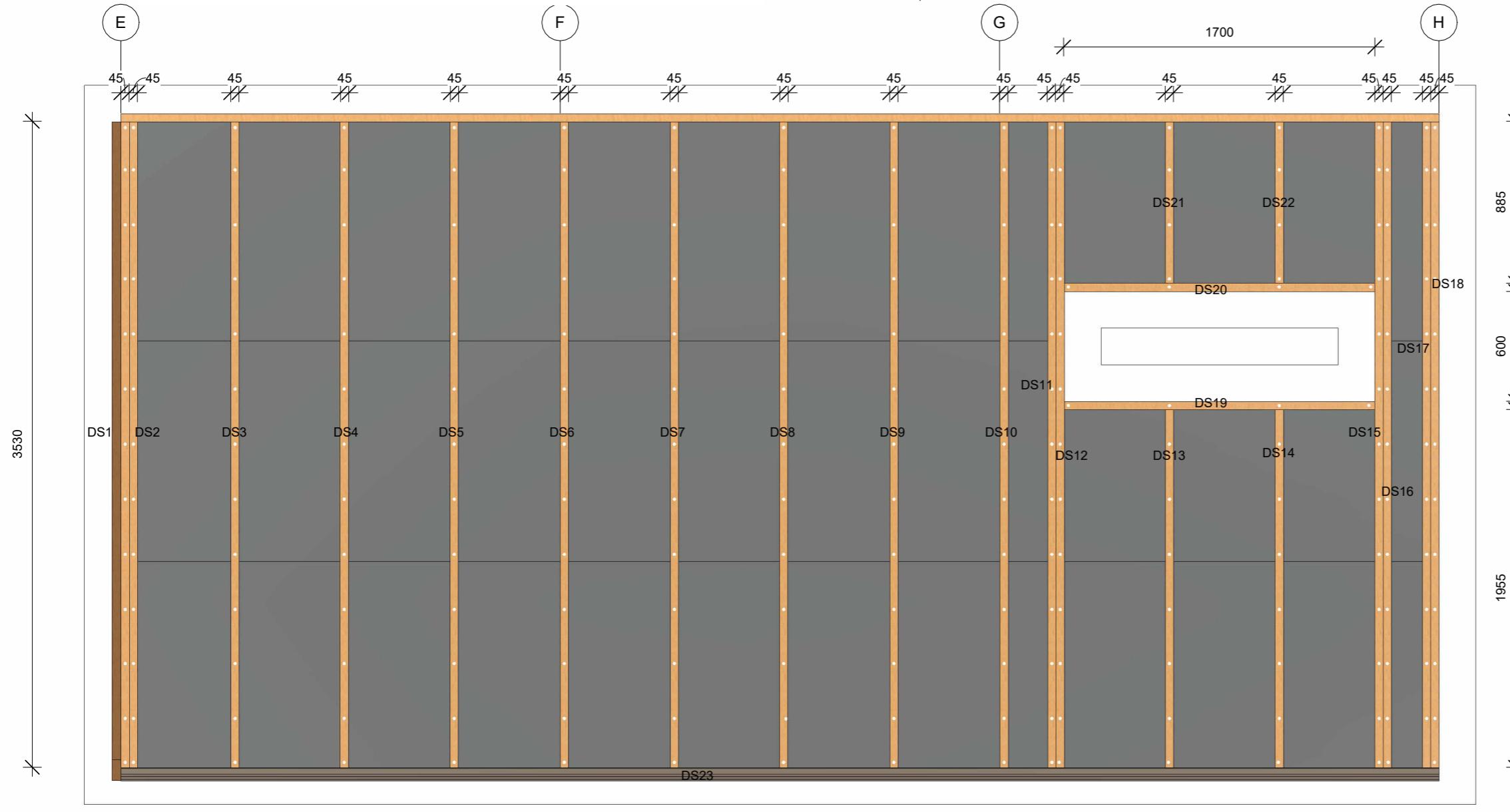


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PROJECT: Multi-Purpose Hall	DATE: 14-05-2023	20
SUBJECT: Vertical Distance Strips - Step 8	SCALE: As indicated	
DRAWN BY: Cebotaru Dimitrian	CLASS: AH31-23F	

VERTICAL DISTANCE STRIPS - STEP 8.1



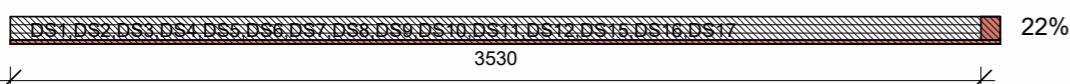
Outside 1
1 : 25

510 555 555 555 555 555 215 555 555 500 170

45x45x3600 - 5pcs

Cutting List

Waste



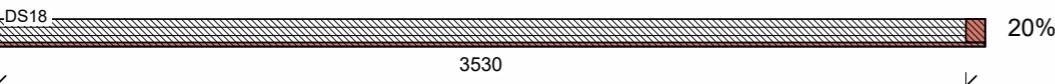
Screws

NKT FASTENERS Basic Screw Outdoor Rustpert 1000 TX20
Length: 50 mm, Diameter: 5 mm, (5x50mm)
Use class: 3

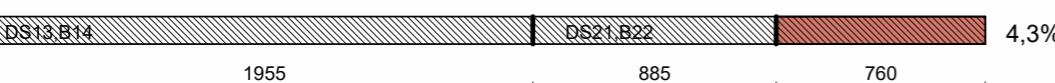


○ - illustrated in the view approx. 30mm C/C

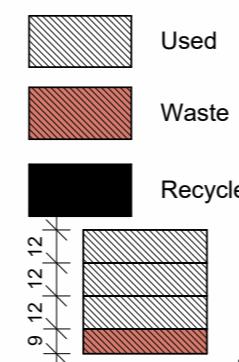
45x45x3600 - 1pcs



12x45x3600 - 2pcs



45x45x3600 - 1pcs

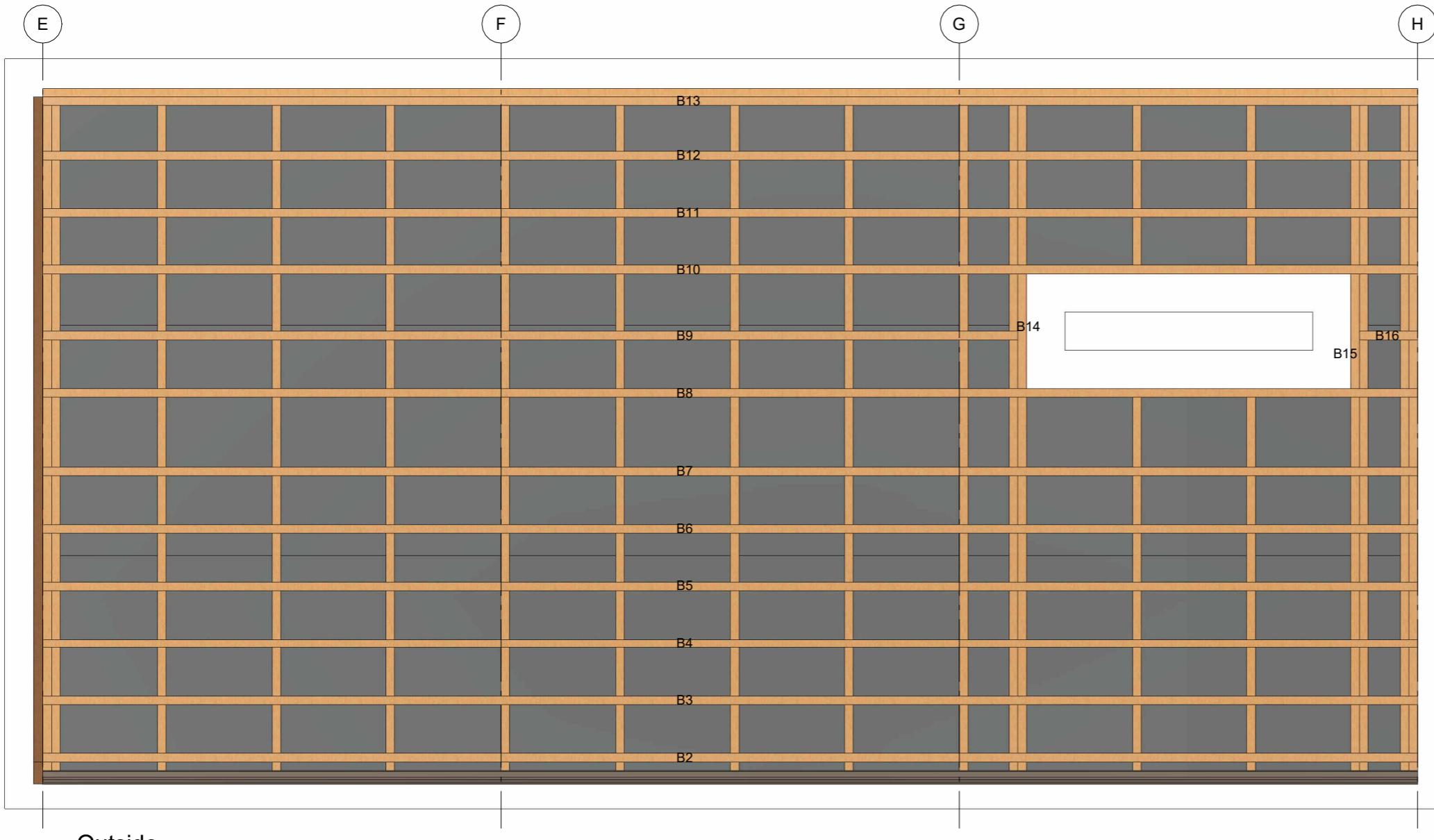


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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	21
SUBJECT: Vertical Distance Strips - Step 8.1	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

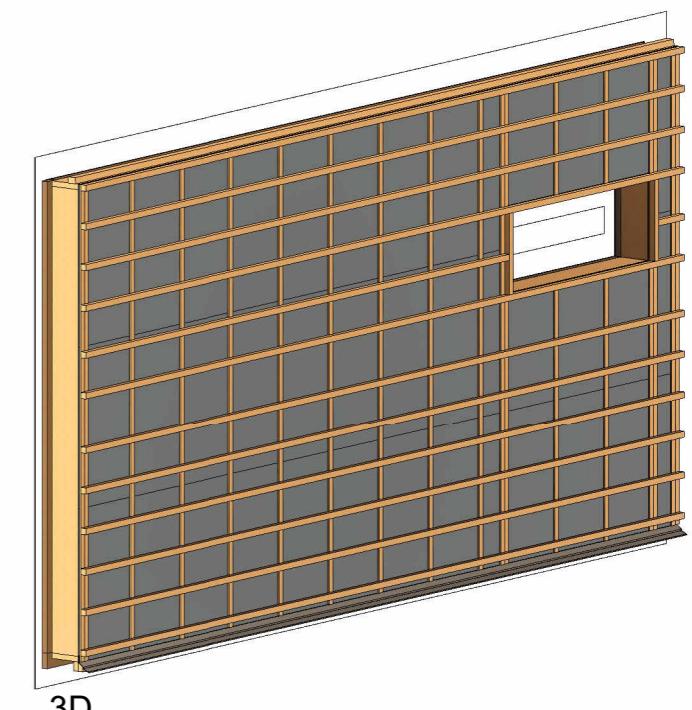
COUNTER BATTENS - STEP 9



Wall Specification

Prefabricated Timber Wall

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x125 mm)
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. Plywood - 12 mm



Mounting Sequence

1. B13
2. B12
3. B11
4. B10
5. B9
6. B8
7. B14
8. B15
9. B16
10. B7
11. B6
12. B5
13. B4
14. B3
15. B2

Specifications for regular 45x45mm C14 planed spruce

- Width: 45 mm
- Height: 45 mm
- Length: 3600 - 4800 mm
- Planed: Yes
- Rounded corners: Yes
- Strength sorting: C14



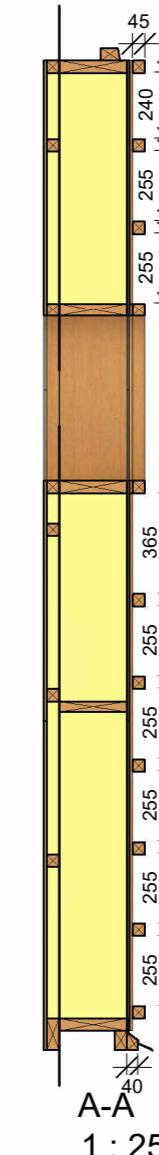
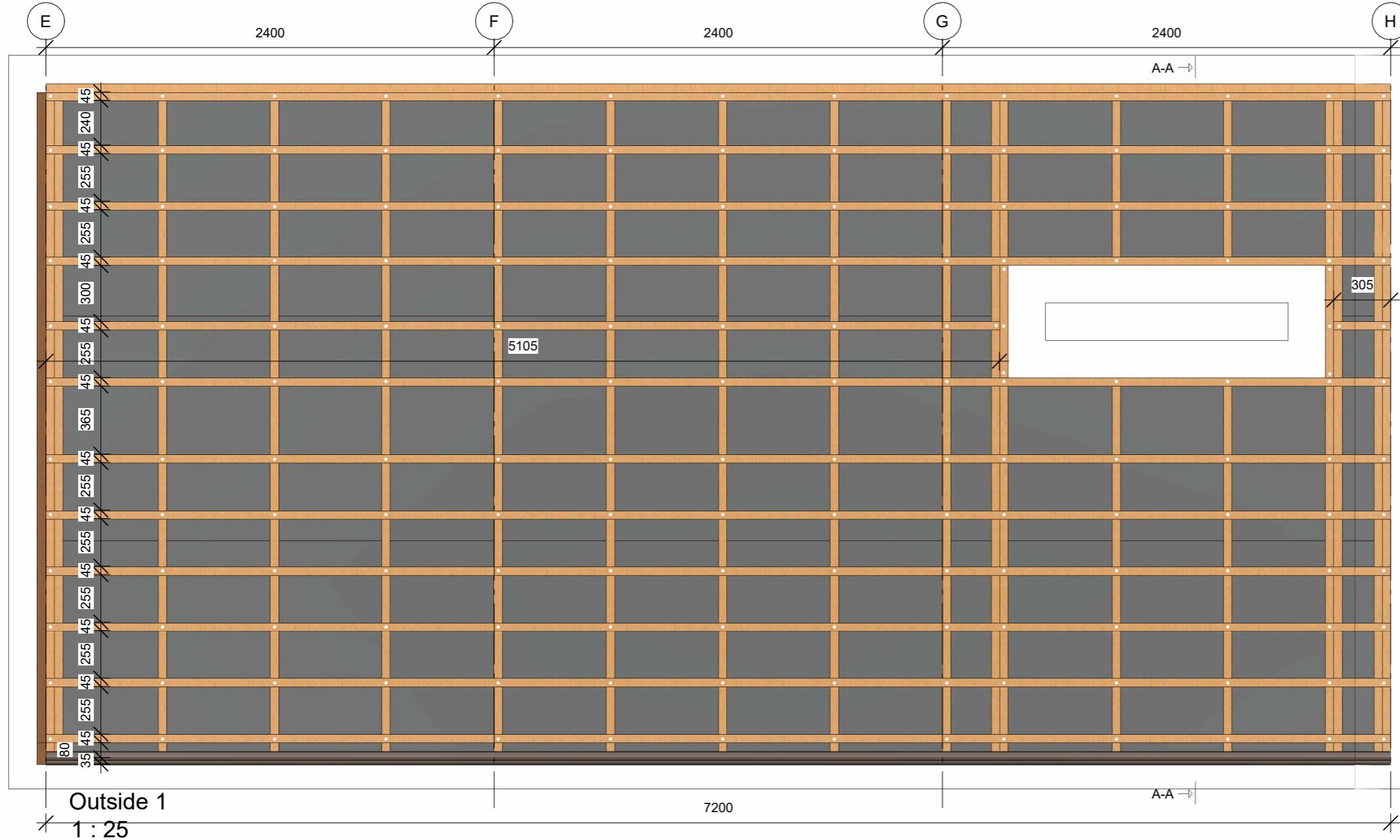
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Counter Battens			
Dimensions	Length	Mark	Count
45x45 mm timber	7200	B2, B3, B4, B5 B6, B7, B8, B10 B11, B12, B13	11
45x45 mm timber	5105	B9	1
45x45 mm timber	600	B14, B15	2
45x45 mm timber	305	B16	1
		TOTAL	15

PROJECT: Multi-Purpose Hall	DATE: 15-05-2023	22
SUBJECT: Counter Battens - Step 9	SCALE: 1 : 25	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

COUNTER BATTENS - STEP 9.1

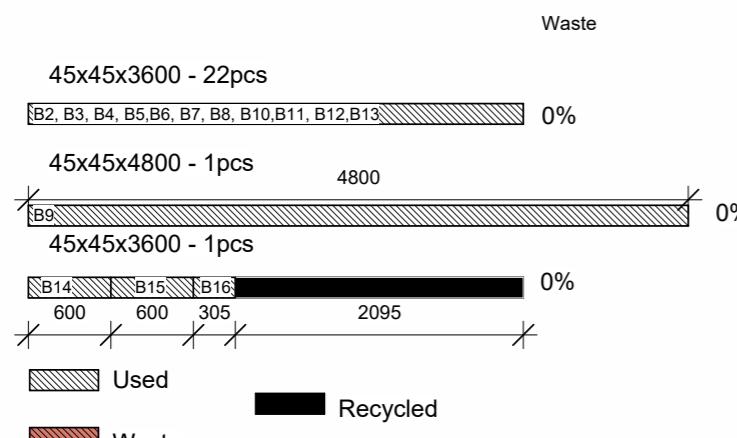


Information

Width: 45 mm
Height: 45 mm
Length: 3600 - 4800 mm
Planer: Yes
Rounded corners: Yes
Strength classification: C14



Cutting List (not in Scale)



Connection of the B2, B3,B4,B5,B6,B7,B8,B10, B11, B12, B13

Screws

NKT FASTENERS Basic Screw Outdoor Ruspert 1000 TX20
Length: 120 mm, Diameter: 5 mm, (5x120mm)
Use class: 3

- illustrated in the view approx 600mm C/C

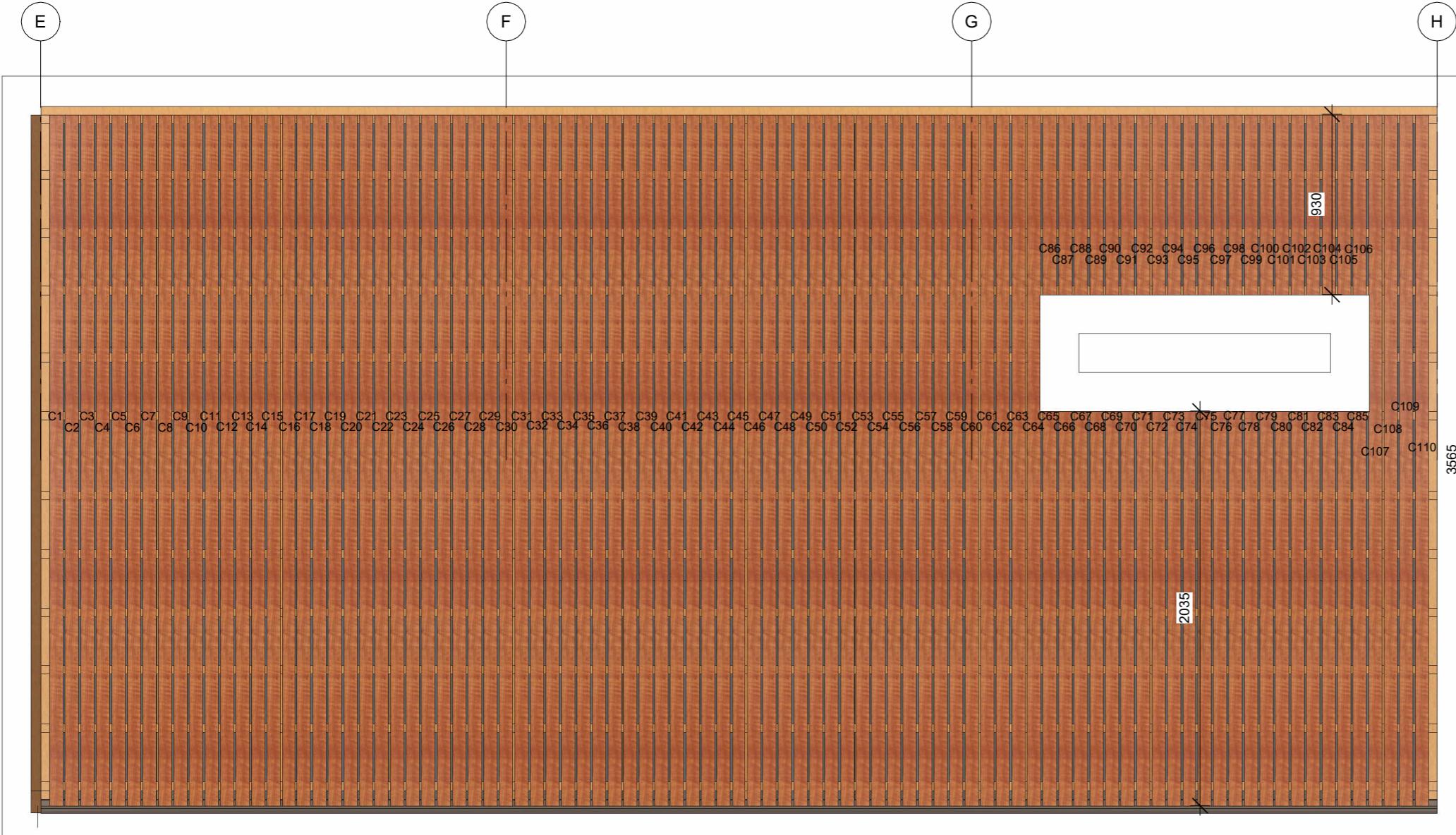


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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	23
SUBJECT: Counter battens - Step 9.1	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

CLADDING - STEP 10

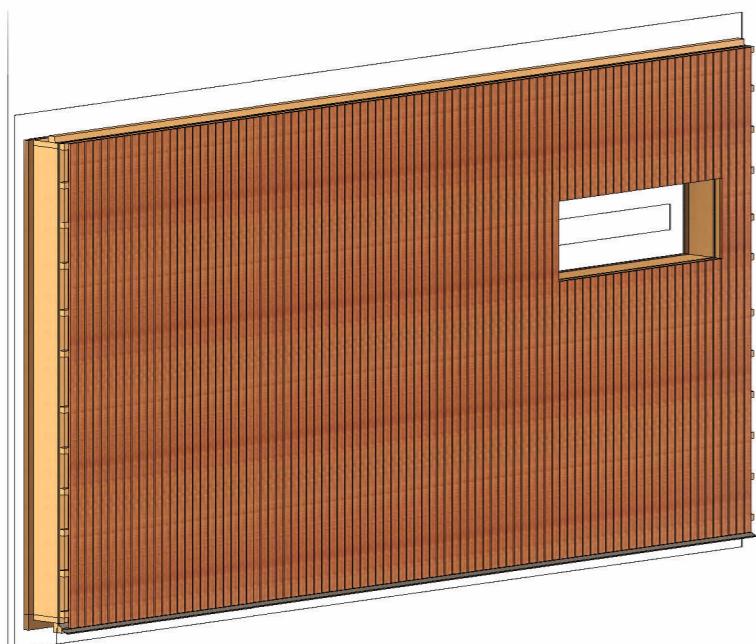


Mounting Sequence

- C1
- C2
- C3
- C4
- C5
-
- C108
- C109
- C110

Exterior

1 : 25



Cladding - 21x70mm			
Dimensions	Length	Mark	Count
21x70 mm timber	3565	C1,C2,C3..., C63,C64,C107, C108,C109,C110	68
21x70 mm timber	2035	C65,C66,...,C84, C85	18
21x70 mm timber	930	C86,C87,...,C105,C106	24
		TOTAL	110



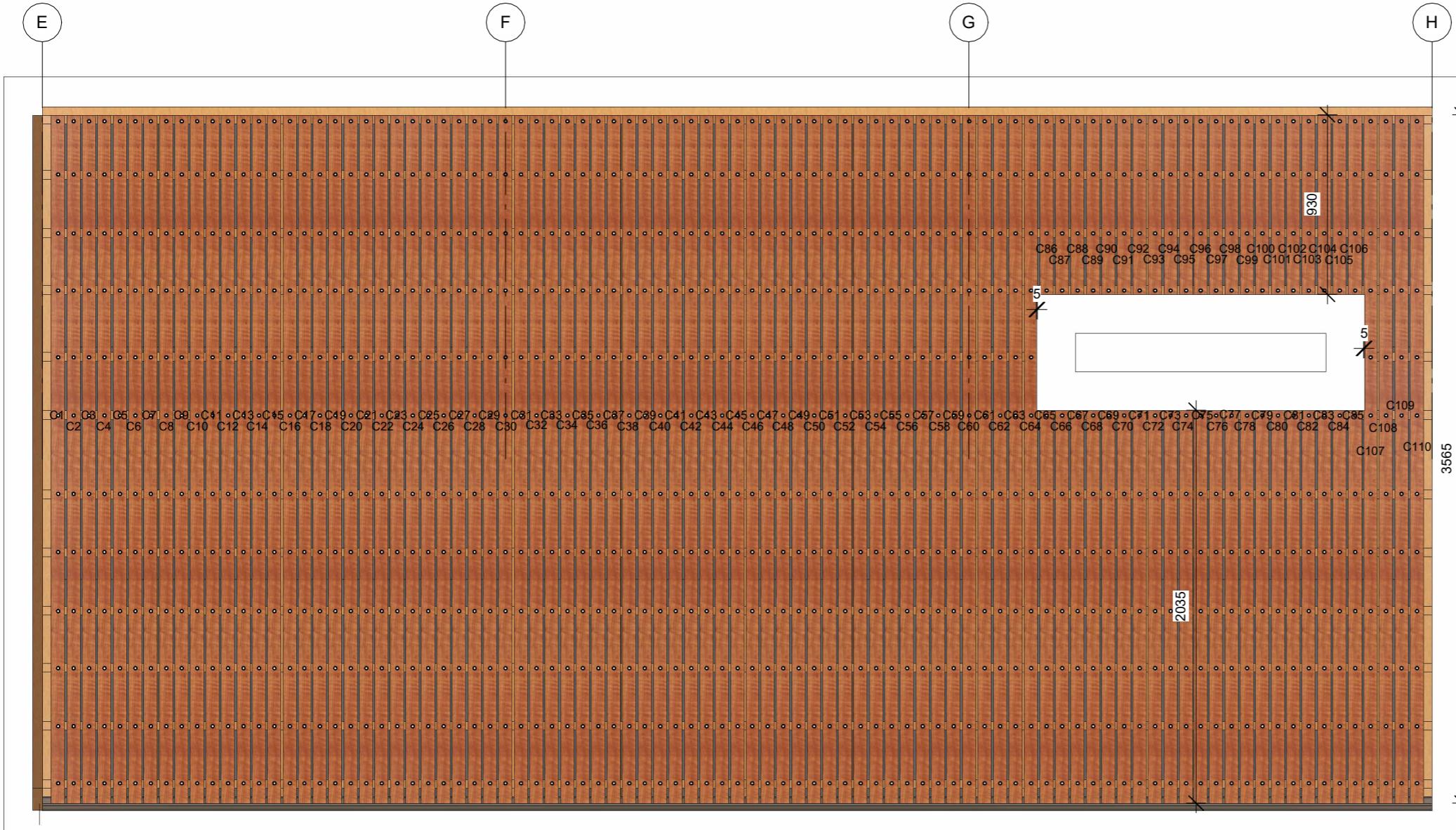
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Left
1 : 25

PROJECT: Multi-Purpose Hall	DATE: 21-05-2023	24
SUBJECT: Cladding - Step 10	SCALE: 1 : 25	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

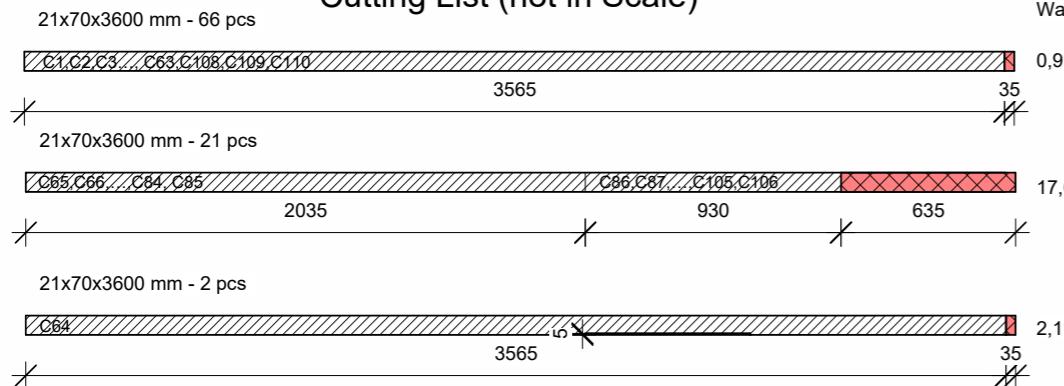
CLADDING - STEP 10.1



Exterior 1

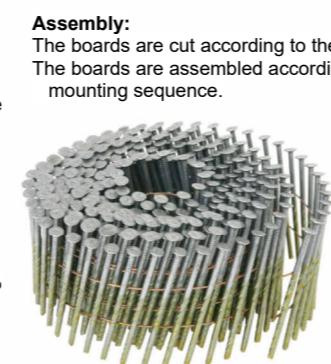
1 : 25

Cutting List (not in Scale)



Cladding Used

Waste



Assembly:
The boards are cut according to the cutting list.
The boards are assembled according to mounting sequence.

Nail
TJEP MX 21/45 ring nails with blunt point
Service Class: 3

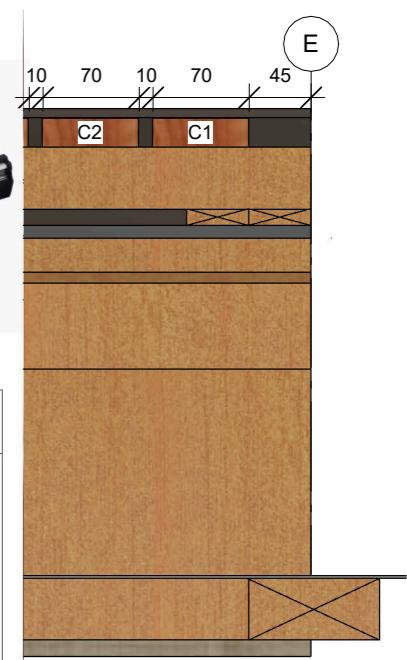
Angle	15°
Diameter	2.1 mm
Length	45 mm
Weight	4.08 kg



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QUALITY CONTROL

- | | |
|---------------------|--------------------------|
| Wood Frame Assembly | <input type="checkbox"/> |
| Correct studs used | <input type="checkbox"/> |
| Properly fixed | <input type="checkbox"/> |
| Correct dimensions | <input type="checkbox"/> |
| No damages on wood | <input type="checkbox"/> |
- Name: _____
Date: _____ Signature: _____



Detail 1
1 : 5

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PROJECT: Multi-Purpose Hall	DATE: 21-05-2023
SUBJECT: Cladding - Step 10.1	SCALE: As indicated
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F

25

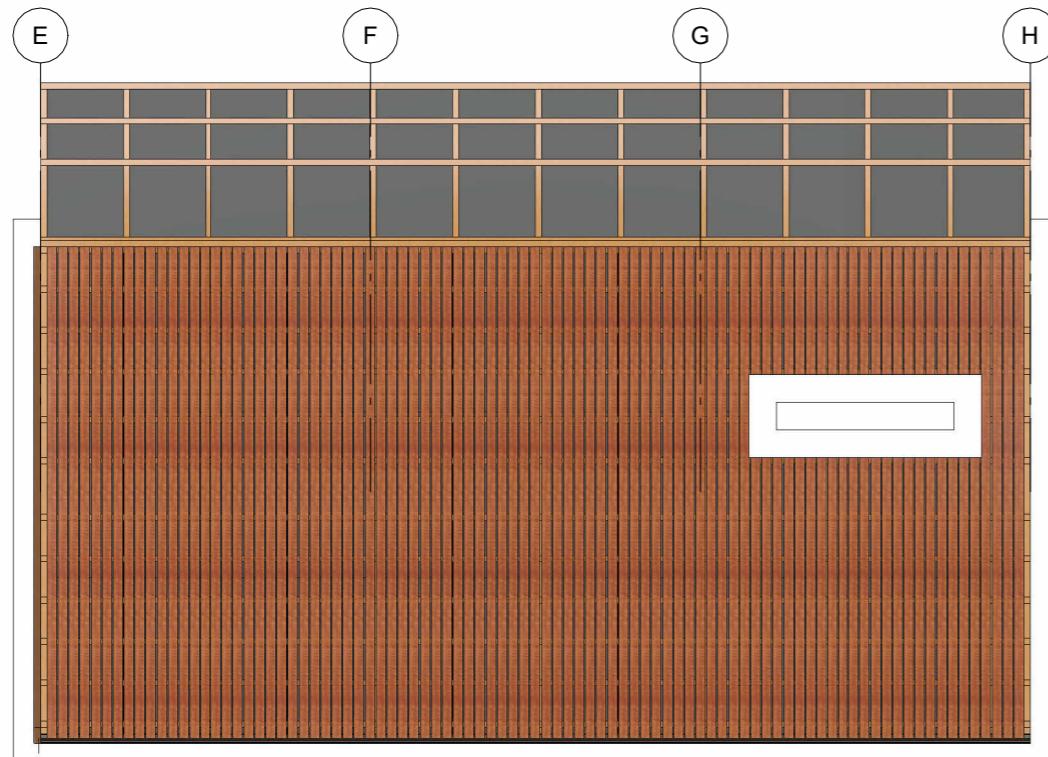
Information

Thickness: 21 mm
Width: 70 mm
Height: 2700,3600,4800 mm
Material: Pine
Manufacturer:



Vertical cladding is fixed to the counter battens with nails by a nail gun. There should be a small gap of 10 mm between the vertical cladding, see Top Detail 1. Every cladding is fixed with one nail in the middle of the board 25 mm from the top and 75 mm from the bottom, so it is always fixed in the middle of the distance strip.

PARAPET INFORMATION



Exterior

1 : 50

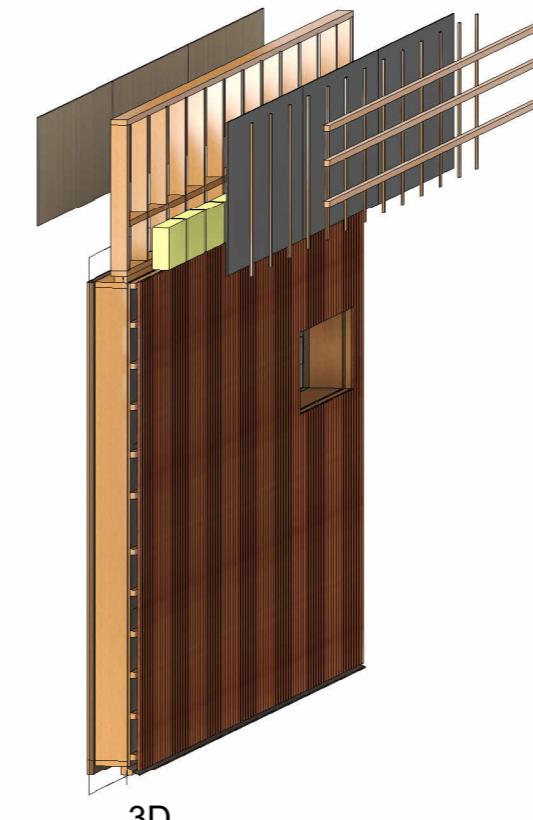
Parapet Dimensions: 1200x7200mm

Main frame: Timber frame from Södra Wood Denmark
Dimensions: 45mm x 120mm studs, 600mm C/C
25mm x 45mm stud below parapet for connection

OSB Boards: NPI
Dimensions: 3stk - 800mm x 2400mm

Insulation: Rockwool
Dimensions: 10stk - 120x335x600 mm
2stk - 120x335x533 mm

Windbreaker: CEMBRIT Windstopper Basic
Dimensions: 3stk - 1130mm x 2400mm boards



3D



Left
1 : 25

Distance strips: Södra Wood Denmark
Dimensions: 13stk - 12mm x 45mm x1200mm, 600mm C/C

Counter battens: Södra Wood Denmark
Dimensions: 3stk - 45mm x 45mm x 7200mm

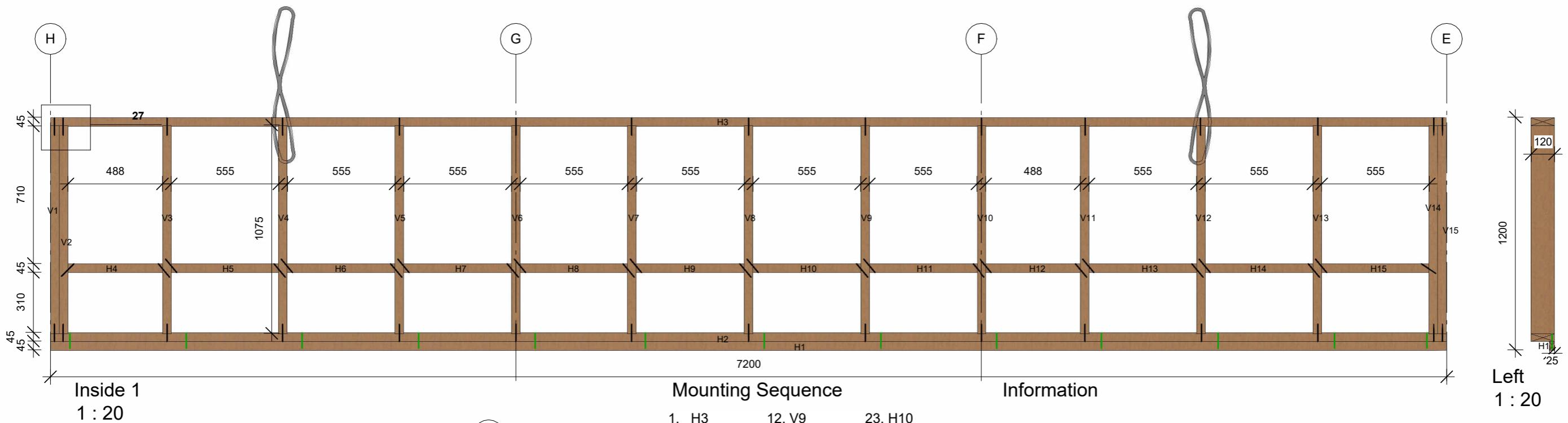


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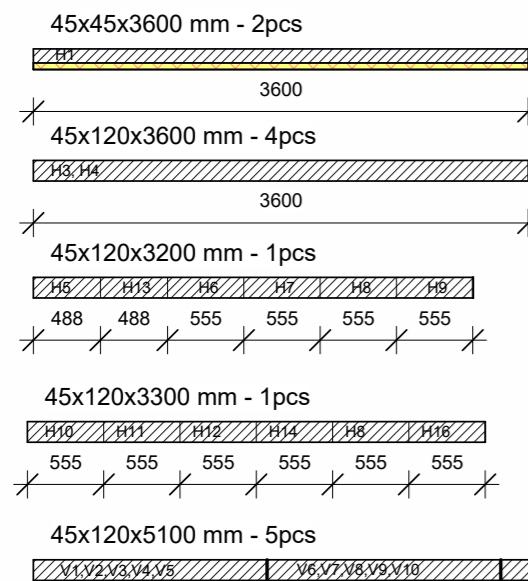
PROJECT: Multi-Purpose Hall	DATE: 24-05-2023	26
SUBJECT: Parapet Information	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

LOAD-BEARING FRAME PARAPET - STEP 11



Parapet Frame			
Dimensions	Length	Mark	Count
25x45 mm timber	7200	H1	1
45x120 mm timber	7200	H3,H4	2
45x120 mm timber	488	H5,H13	2
45x120 mm timber	555	H6,H7,H8,H9 H10,H11,H12 H14,H15,H16	10
45x120 mm timber	1700	V1,V2,V3,V4,V5 V6,V7,V8,V9,V10 V11,V12,V13,V14,V15	15
			TOTAL 30

Cutting list (not in scale)



Screws

NKT SPUN®+ SUH, Stainless 5,0x80* ——————
NKT SPUN®+ SUH, Stainless 5,0x90* ——————

Use Class: 3



Dovetail joint
Connection of the H1,H2,
H3,H4

Mounting Sequence

- | | | |
|--------|---------|---------|
| 1. H3 | 12. V9 | 23. H10 |
| 2. H4 | 13. V10 | 24. H11 |
| 3. V1 | 14. V11 | 25. H12 |
| 4. V15 | 15. V12 | 26. H13 |
| 5. V2 | 16. V13 | 27. H14 |
| 6. V3 | 17. V14 | 28. H15 |
| 7. V4 | 18. H5 | 29. H16 |
| 8. V5 | 19. H6 | 30. H1 |
| 9. V6 | 20. H7 | |
| 10. V7 | 21. H8 | |
| 11. V8 | 22. H9 | |

Detail
1 : 5

Information

45x120 mm Barrier planks
Length 3000 - 5400 - C18

45x70 mm Barrier planks
Length 3000 - 5400 - C18

Surface: Planed all 4 pages
Corners: Rounded / phased
Strength Sorting: C18
Wood: Gran

Manufacturer: Soda
Fire resistance: D-s2,d0

Prefabricated Parapet

1. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
2. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
3. Windbarrier - 9mm
4. **Frame Timber Studs - 45 x 120 mm**
5. Mineral Wool Insulation Batts - 120 mm
6. OSB Boards - 12 mm



3-Strand Danaflex

Technical specifications:
Manufactured according to DS/EN 699
Material: Fibrillated polypropylene split film, UV-stabilized
Construction: 3-strand
Color: Blue (can also be supplied in white or orange)
Elongation at break: Approx. 30%
Melting point: 165 - 175°C
Specific gravity: 0.91 g/cm³

QUALITY CONTROL	
Wood Frame Assembly	
Correct studs used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct dimensions	<input type="checkbox"/>
No damages on wood	<input type="checkbox"/>
Name:	
Date:	Signature:

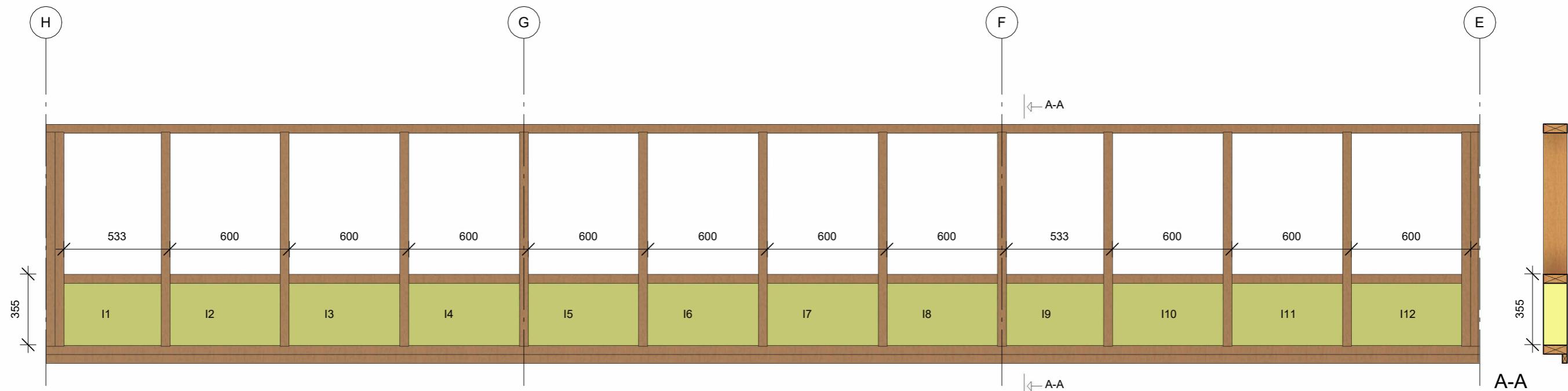


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PROJECT: Multi-Purpose Hall	DATE: 25-05-2023	27
SUBJECT: Parapet Frame - Step 11	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

MINERAL WOOL INSULATION BATTES PARAPET - STEP 12



Mounting Sequence

1. I1
2. I2
3. I3
4. I4
5. I5
6. I6
7. I7
8. I8
9. I9
10. I10
11. I11
12. I12

Information

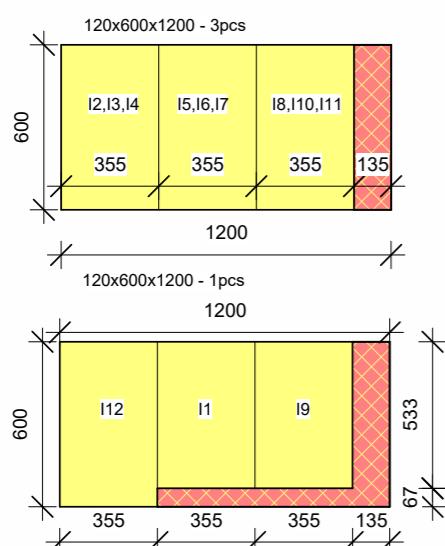
Manufacturer: Rockwool
Material: Stone wool insulation
Dimensions: 120x600x1200 mm
Thermal conductivity: 0.034 W/mK
Fire classification: A1

Prefabricated Parapet

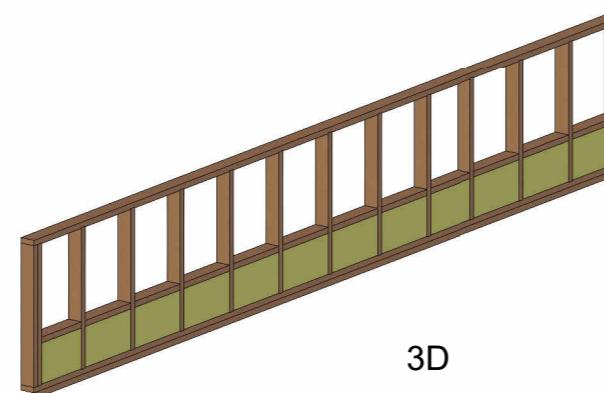
1. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
2. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
3. Windbarrier - 9mm
4. Frame Timber Studs - 45 x 120 mm
5. Mineral Wool Insulation Batts - 120 mm
6. OSB Boards - 12 mm

A-A
1 : 20

Cutting list (not in Scale)



Insulation used
Waste



QUALITY CONTROL	
Insulation Assembly	
Correct thickness used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct dimensions	<input type="checkbox"/>
All cavities properly filled	<input type="checkbox"/>
Name:	
Date:	Signature:

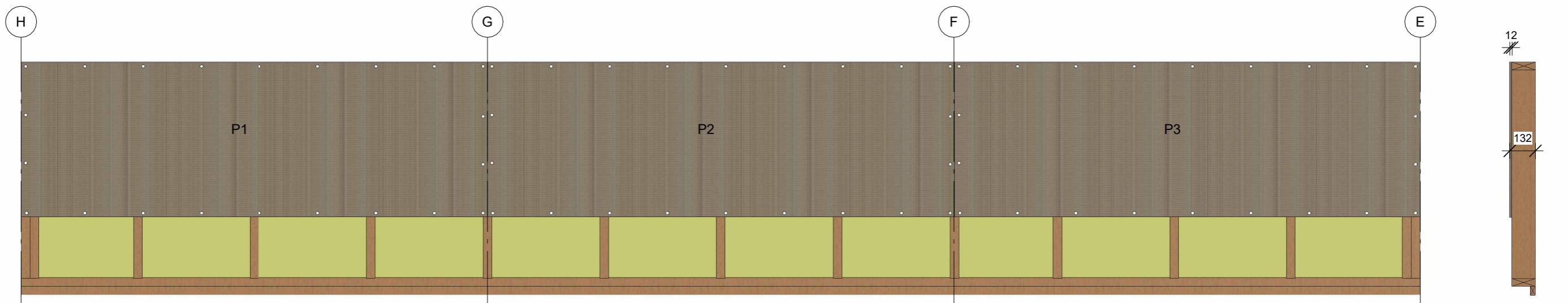


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PROJECT: Multi-Purpose Hall	DATE: 24-05-23	28
SUBJECT: Parapet Mineral Wool Insulation Batts - Step 12	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

OSB BOARD PARAPET - STEP 13



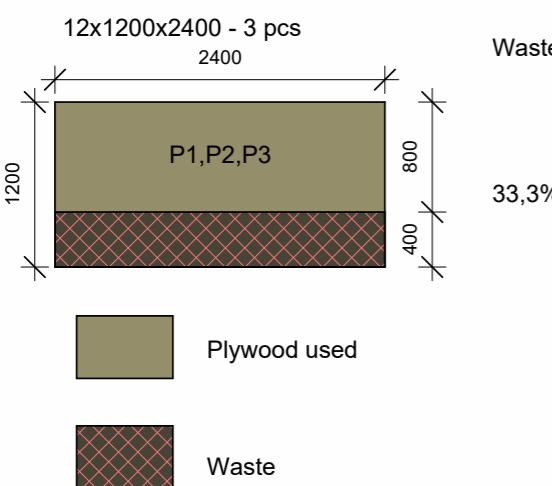
Inside
1 : 20

Cutting List (not in Scale)

Mounting Sequence

1. P1
2. P2
3. P3

OSB Boards - 12mm			
Width	Length	Mark	Count
1200	2400	P1,P2,P3	3
TOTAL			3



Manufacturer: NFI
Type: TG2 & SQ
Bend-tensile strength: 20/10 MPa
Service Class: 1, 2
Fire class: D-s2,do

Board Dimensions.
12x1200x2400



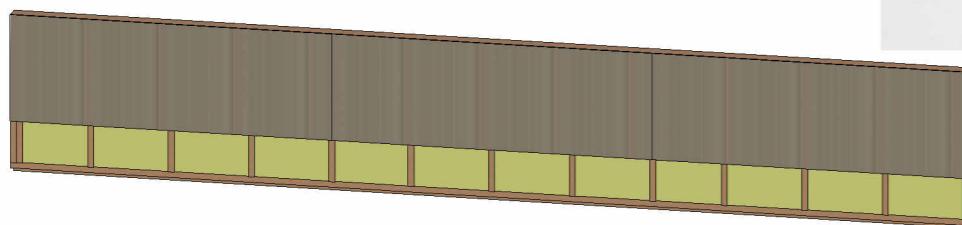
Nails
Annular ring shank nails 45mm

○- illustrated in the view approx. 250mm C/C

Placed 22.5 mm from the edges



QUALITY CONTROL	
Plywood Assembly	<input type="checkbox"/>
Correct boards used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct dimensions	<input type="checkbox"/>
No damages to boards	<input type="checkbox"/>
Name:	
Date:	Signature:



3D

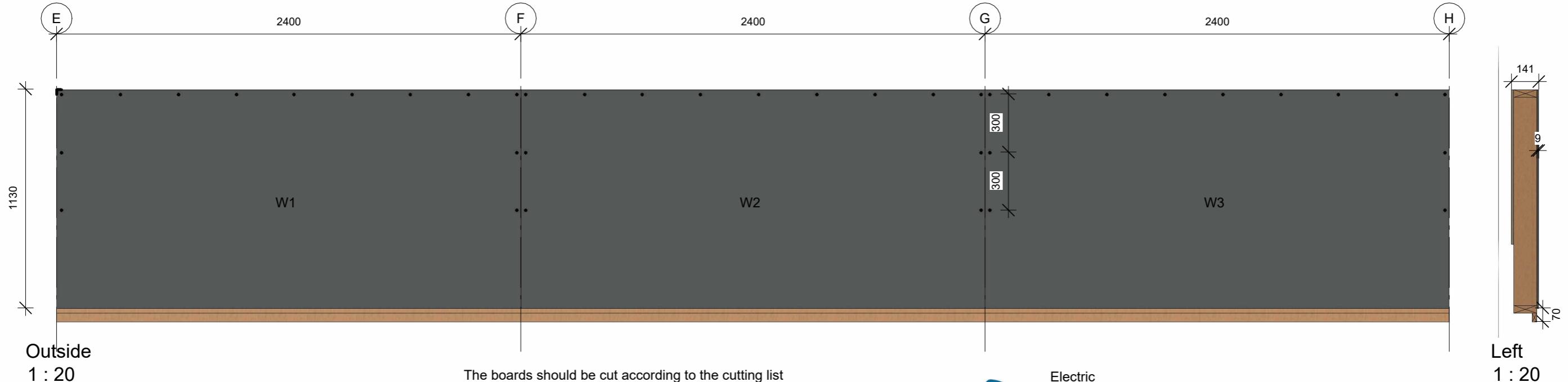


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PROJECT: Multi-Purpose Hall	DATE: 24-05-2023	29
SUBJECT: Parapet OSB Boards- Step 13	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

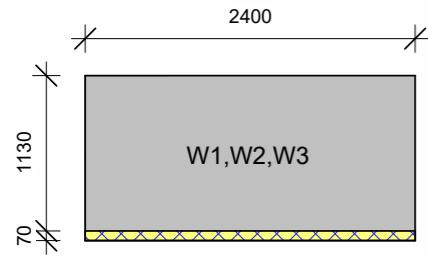
WINDBARRIER PARAPET - STEP 14



Outside
1 : 20

Cutting List (not in Scale)

9x1200x2400 - 3 pcs



Waste
5,8%

e) The boards should be cut according to the cutting list with a electric circular saw that is only designed for cutting fiber cement.
It should be done according the Mounting Sequence.

Screws should be placed each 300mm c/c, but we leave some loose connection at the bottom for inserting the flashing on the building site. The other screws are going to be screwed on site as well.

All the boards joints should be taped over with Cembrit windstopper tape 75mm.
The tape should be placed so that there is an overlap at corners where they meet.

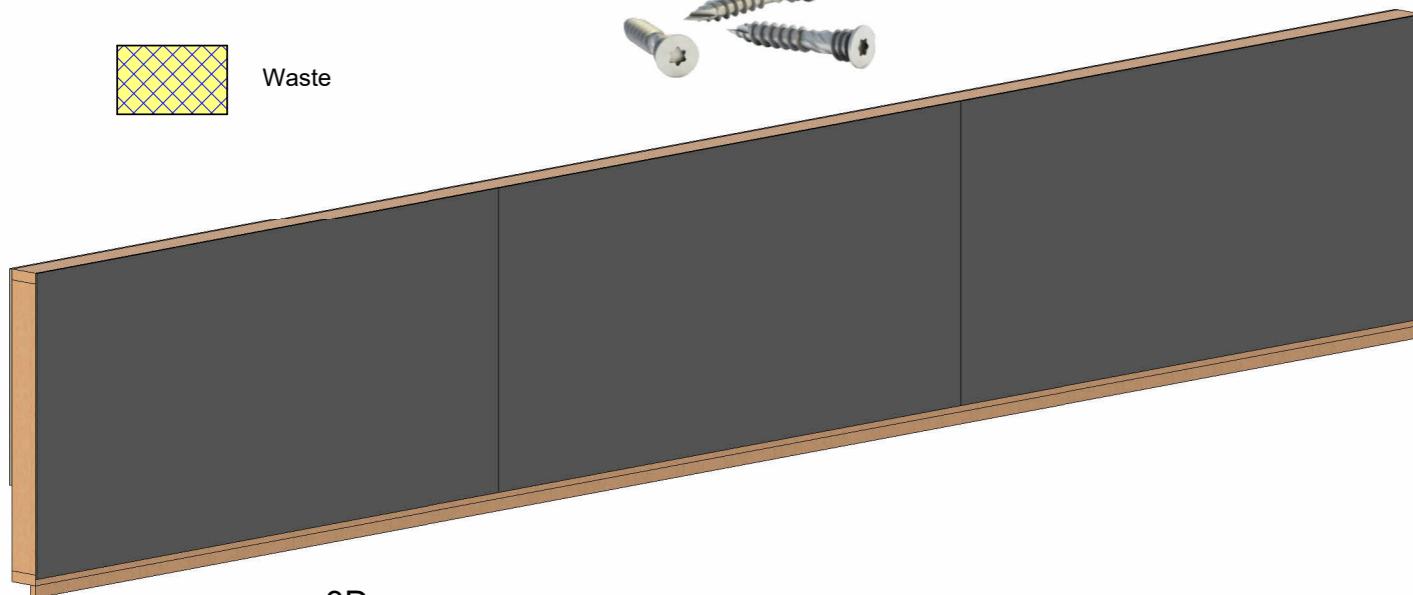
O - illustrated in the view approx. 300mm C



Wind Barrier used



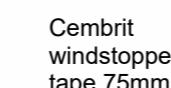
Waste



3D



Electric
Circular Saw



Cembit
windstoppe
tape 75mm



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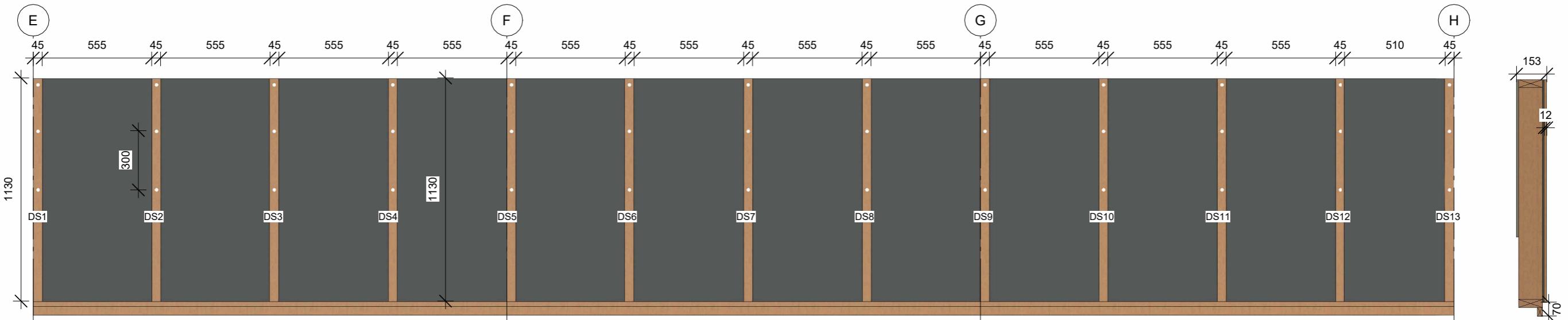


QUALITY CONTROL	
Cembrit Windboards Assembly	
Correct studs used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct dimensions	<input type="checkbox"/>
No damages on boards	<input type="checkbox"/>
Name:	
Date:	Signature:

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PROJECT: Multi-Purpose Hall	DATE: 21-05-2023	
SUBJECT: Parapet Windbarrier - Step 14	SCALE: As indicated	30
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

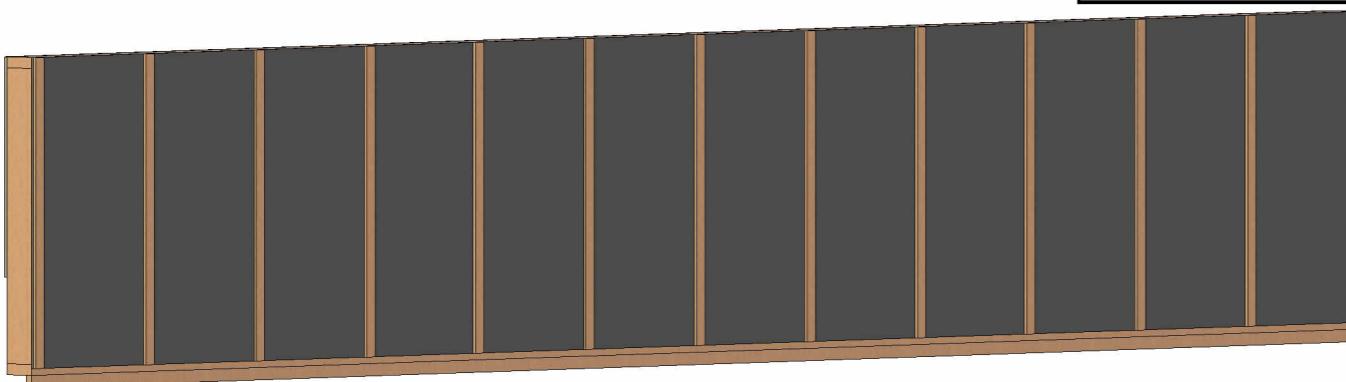
VERTICAL DISTANCE STRIPS PARAPET - STEP 15



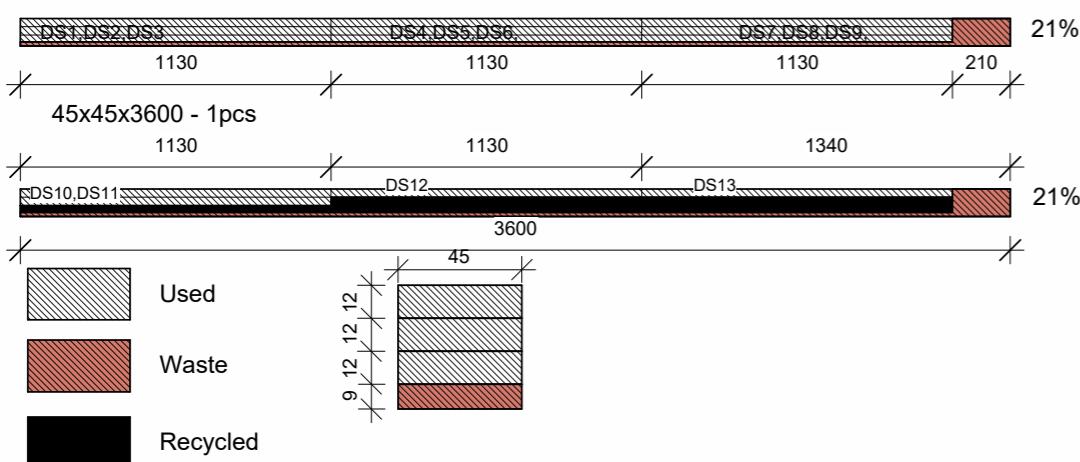
Outside
1 : 20
3D

- Mounting Sequence
1. DS1
 2. DS2
 3. DS3
 4. DS4
 5. DS5
 6. DS6
 7. DS7
 8. DS8
 9. DS9
 10. DS10
 11. DS11
 12. DS12
 13. DS13

Distance Strips			
Dimensions	Length	Mark	Count
12x45 mm timber	1130	DS1,DS2,DS3,DS4,DS5,DS6, DS7,DS8,DS9,DS10,DS11, DS12,DS13	13
TOTAL			13



45x45x3600 - 1pcs Cutting List

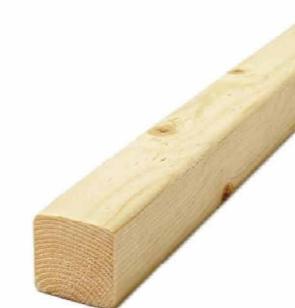


Information

Width: 45 mm
Height: 45 mm
Length: 3600 - 4800 mm
Planer: Yes
Rounded corners: Yes
Strength classification: C14
Manufacturer: Sobra

Left
1 : 20

- Prefabricated Parapet**
- 1.Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
 - 2.Distance Strips - 12 x 45 mm Vertical c/c 600 mm
 - 3.Windbarrier - 9mm
 - 4.Frame Timber Studs - 45 x 120 mm
 - 5.Mineral Wool Insulation Batts - 120 mm
 - 6.OSB Boards - 12 mm



Screws

NKT FASTENERS Basic Screw Outdoor Ruspert 1000 TX20
Length: 50 mm, Diameter: 5 mm, (5x50mm)
Use class: 3

Some loose connection at the bottom is left for inserting the flashing on the building site. The other screws are going to be screwed on site as well.

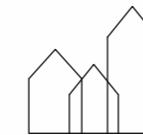
(○) - illustrated in the view approx. 30mm C/C



QUALITY CONTROL

- Distance Strip Assembly
- Correct studs used
 - Properly fixed
 - Correct dimensions
 - No damages on wood

Name: _____
Date: _____ Signature: _____

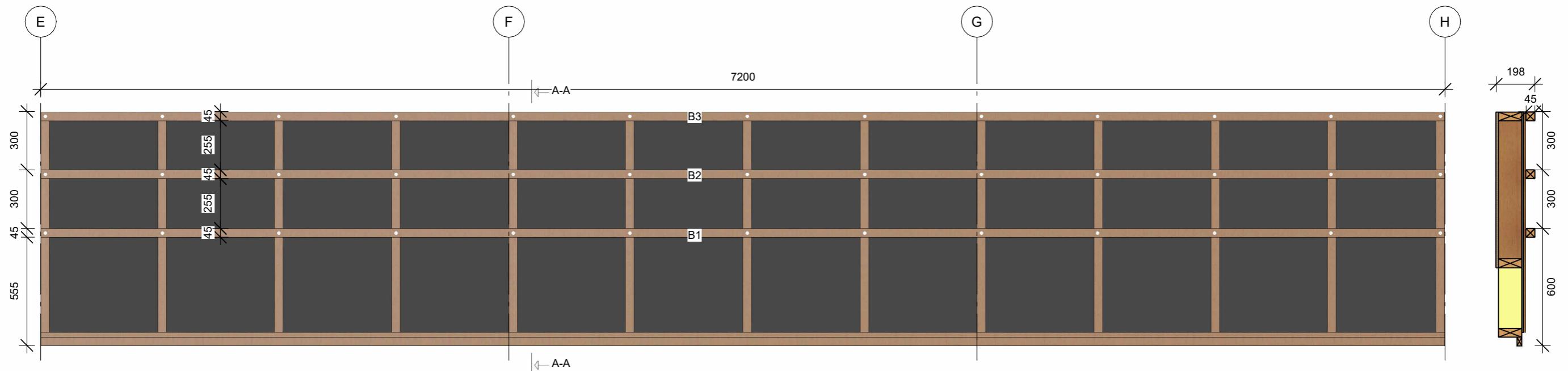


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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	31
SUBJECT: Parapet Vertical Distance Strips - Step 15	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

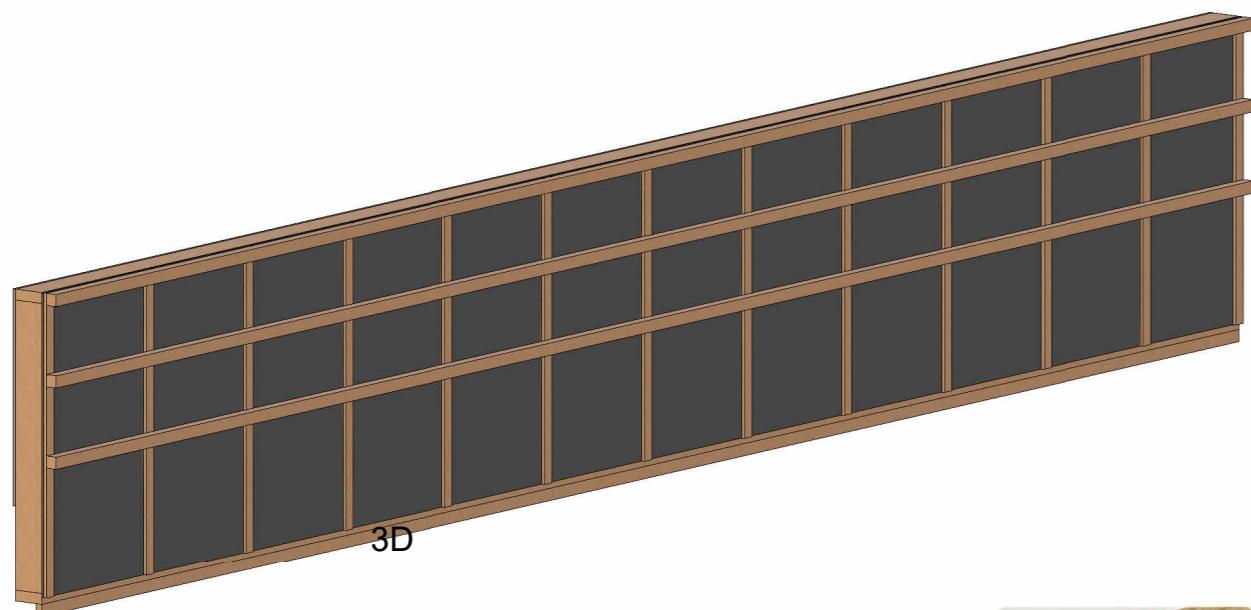
COUNTER BATTENS PARAPET - STEP 16



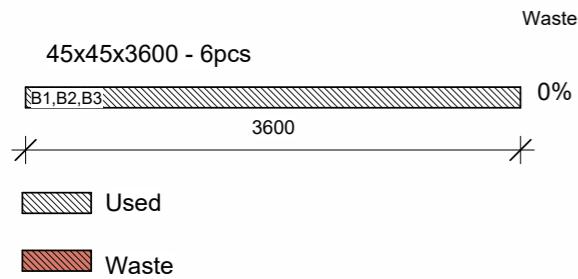
Outside
1 : 20 Mounting Sequence

1. B1
2. B2
3. B3

Counter Battens			
Dimensions	Length	Mark	Count
45x45 mm timber	7200	B1,B2,B3	3
TOTAL			3



Cutting List (not in Scale)



Dovetail joint
Connection of the B1,B2,
B3

Screws

NKT FASTENERS Basic Screw
Outdoor Rustpert 1000 TX20
Length: 120 mm, Diameter: 5 mm, (5x120mm)
Use class: 3



Information

Width: 45 mm
Height: 45 mm
Length: 3600 - 4800 mm
Planer: Yes
Rounded corners: Yes
Strength classification: C14
Manufacturer: Sobra

Prefabricated Parapet
 1.Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
 2.Distance Strips - 12 x 45 mm Vertical c/c 600 mm
 3.Windbarrier - 9mm
 4.Frame Timber Studs - 45 x 120 mm
 5.Mineral Wool Insulation Batts - 120 mm
 6.OSB Boards - 12 mm

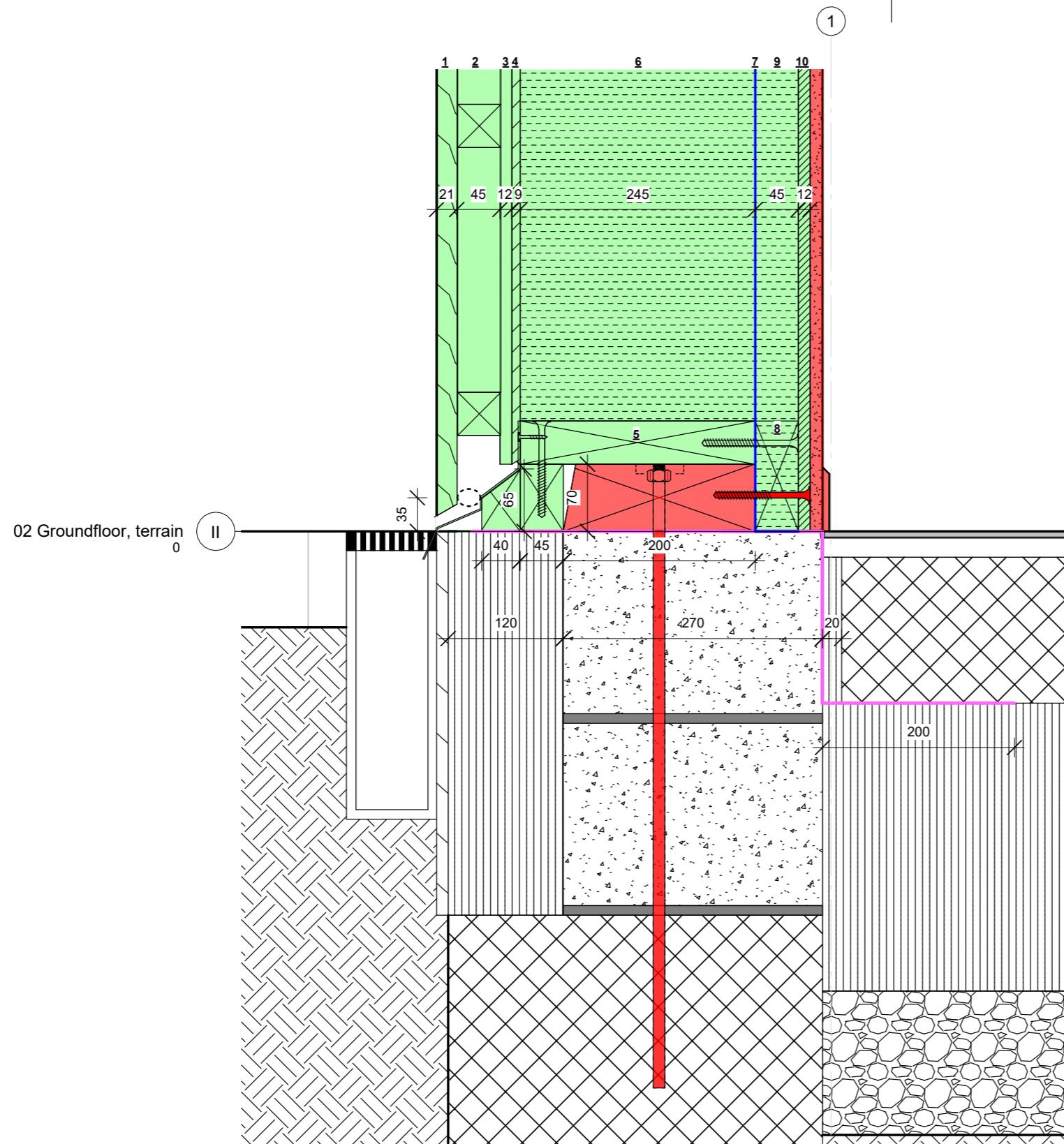
QUALITY CONTROL	
Counter Batten Assembly	
Correct studs used	<input type="checkbox"/>
Properly fixed	<input type="checkbox"/>
Correct dimensions	<input type="checkbox"/>
No damages on wood	<input type="checkbox"/>
Name:	
Date:	Signature:



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PROJECT: Multi-Purpose Hall	DATE: 17-05-2023	32
SUBJECT: Counter battens - Step 16	SCALE: As indicated	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	



Wooden wall and foundation connection
1 : 5

Facade

- 1. Vertical Wood Cladding - 21 x 70 mm
- 2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
- 3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
- 4. Windbarrier - 9mm
- 5. Load-Bearing Frame Timber Studs - 45 x 245 mm
- 6. Mineral Wool Insulation Batts - 245 mm (2x125 mm)
- 7. DPM - 2 mm
- 8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
- 9. Mineral Wool Insulation Batts - 45 mm
- 10. OSB Boards - 12 mm

Legend

- Green area - Facade Element
- Red area - Mounted on site
- Blue line - DPM
- Blue line - DPC
- Red screws - Mounted on site

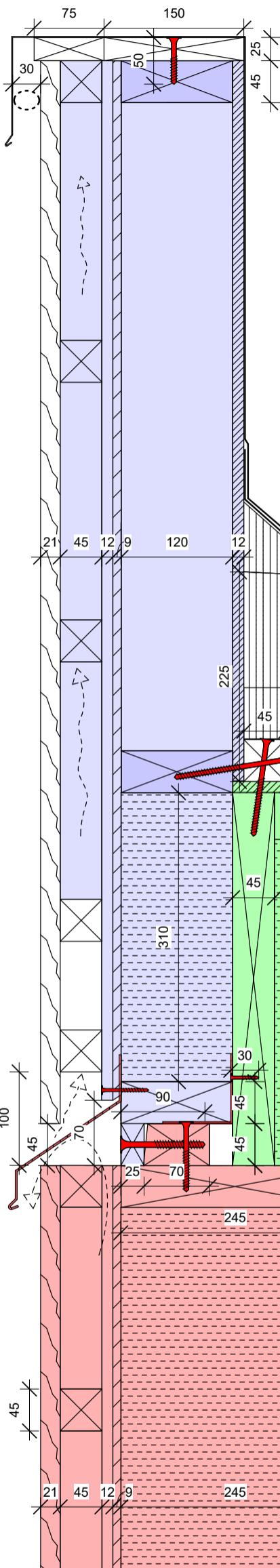


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PROJECT: Multi-purpose Hall	DATE: 30-05-2023	33
SUBJECT: Wooden Wall Connection to Foundation	SCALE: 1 : 5	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	

Mounting



- 1 - The wall element is mounted to the foundation and the DPM sticking out at the top is folded over the OSB Board.
- 2 - The roof cassette is placed on top of the wall element, with the end aligned to the 45x70 stud on top of the element. The roof cassette is fastened to the element by L-backets c/c 600mm, with ø4 70mm screws down and ø3 30mm screws to the sides.
- 3 - The parapet is then mounted by placing it on top of the element, so the 25x45mm stud on the parapet is aligned with the 45x70mm stud on the wall. The parapet is fastened to the element, by screwing ø6 90mm screws c/c 600mm through the studs 25x45mm -> 45x70mm.
- 4 - Before the cladding is mounted, the bottom flashing is mounted, to do that the bottom 70mm of the distance strip for the parapet is left empty. From the factory the bottom 2 counter battens are not mounted, so its possible to fix the flashing on the frame, below the windbreaker. After the flashing is mounted , then the windbreaker and the distance strips have to be screwed and then the last 2 counter battens.
- 5 - The cladding for the parapet is mounted.
- 6 - A 45x45mm wooden stud is placed at the corner on top of the roof cassette, which is fastend on a 25 degree angle down to the roof cassettes 45x400mm stud, so the parapet wont be able to tip and it is also fastend on a 25 degree angle to the parapet 45x120mm stud.
- 7 - The parapets are connected together, by a 150x25mm wooden plank that goes along them at the top of the parapet. By the side of the plank, are 100x25mm wooden blocks placed c/c 600mm, as supports for the flashing will be mounted later.
- 8 - Hard mineral wool is placed on top of the roof cassette to give the roof a slope 1:40 for rainwater.
- 9 - A wooden triangle is placed at the corner of the hard mineral wool, to protect the bitumen layers that are going to be on top, from overbending and cracking.
- 10 - The Top flashing is mounted and the insect net is placed.
- 11 - The DPM from the element that is laying over the elements OSB Board, is going to overlap with the roof cassettes DPM and be taped to the OSB Board togehter with DPM-tape.

Roof

1. Bitumen roofing 4 mm
2. Underlay 3mm
3. Hard mineral wool 225mm with 1:40 slope
4. Timber 45x400mm bottom 350mm mineral wool
5. OSB board 12mm

Parapet

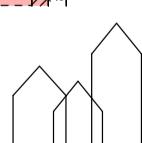
1. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
2. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
3. Windbarrier - 9mm
4. Frame Timber Studs - 45 x 120 mm
5. Mineral Wool Insulation Batts - 120 mm
6. OSB Boards - 12 mm

Facade

1. Vertical Wood Cladding - 21 x 70 mm
2. Counter Batten - 45 x 45 mm Horizontal c/c 300 mm
3. Distance Strips - 12 x 45 mm Vertical c/c 600 mm
4. Windbarrier - 9mm
5. Load-Bearing Frame Timber Studs - 45 x 245 mm
6. Mineral Wool Insulation Batts - 245 mm (2x125 mm)
7. DPM - 2 mm
8. Non-Load Bearing Frame Timber studs 45 x 45 mm c/c 600 mm
9. Mineral Wool Insulation Batts - 45 mm
10. OSB Boards - 12 mm

Legend

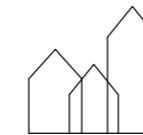
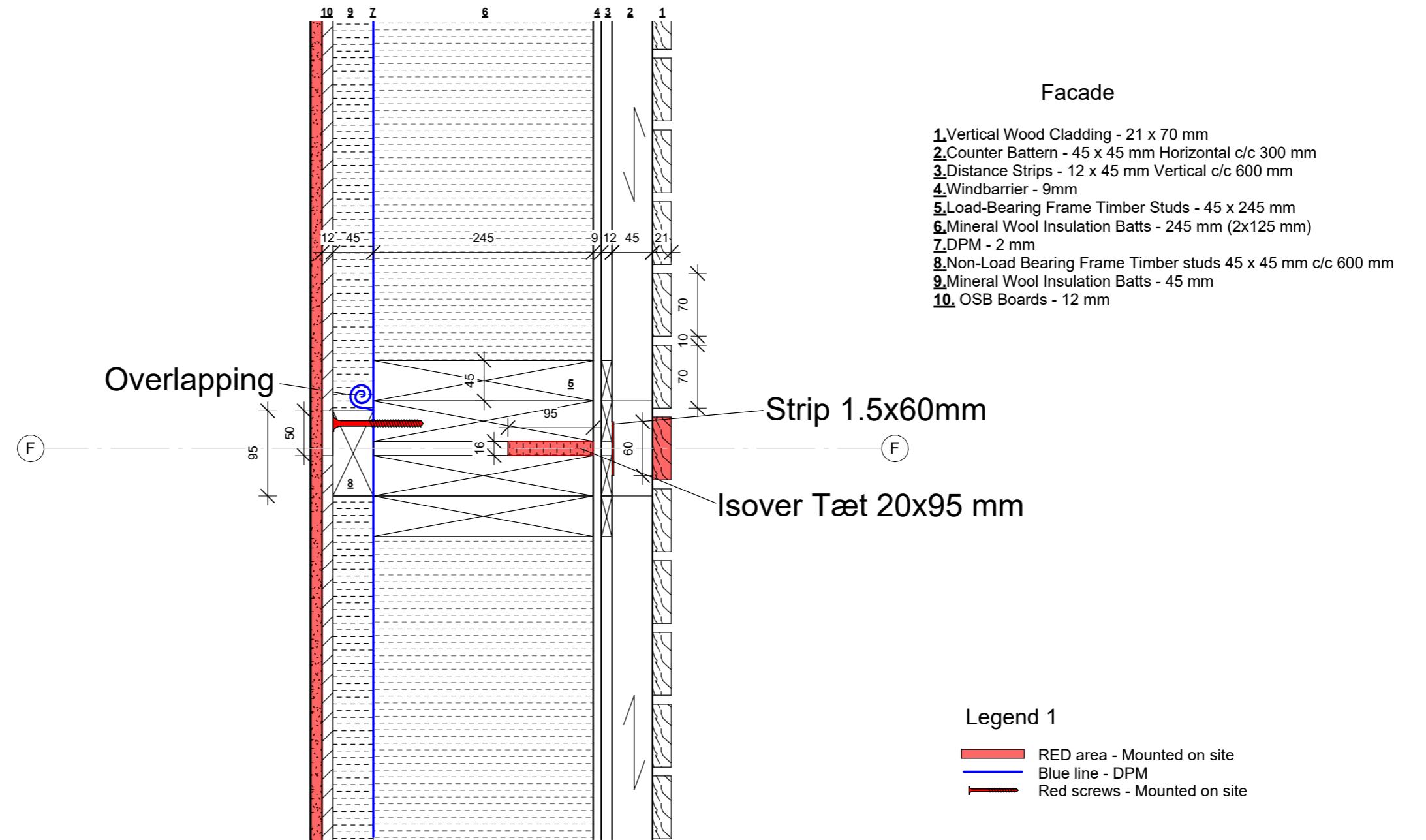
- Purple area - Parapet
- Green area - Roof cassette
- Red area - Facade element
- Blue line - DPM
- Red screws - Mounted on site



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PROJECT: Multi-purpose Hall	DATE: 29-05-2023	34
SUBJECT: Wood Wall connection to Roof	SCALE 1 : 5	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	



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PROJECT: Multi-purpose Hall	DATE: 29-05-2023	35
SUBJECT: Connection Between Wooden Wall Elements	SCALE 1 : 5	
DRAWN BY: Dimitrian Cebotaru	CLASS: AH31-23F	