



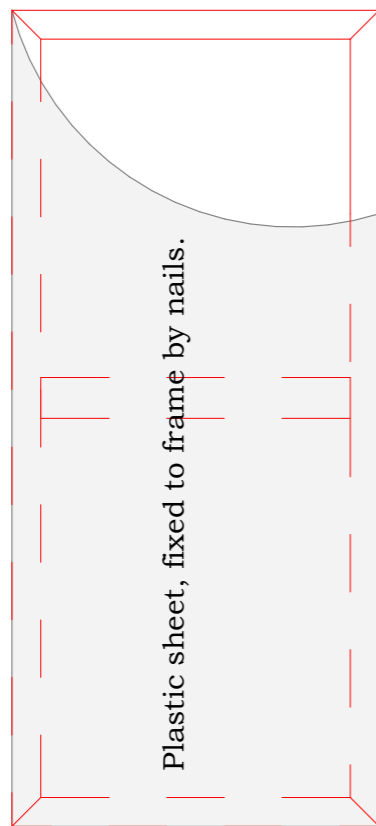
# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 1 – Inclined Rood Emergency Shelter



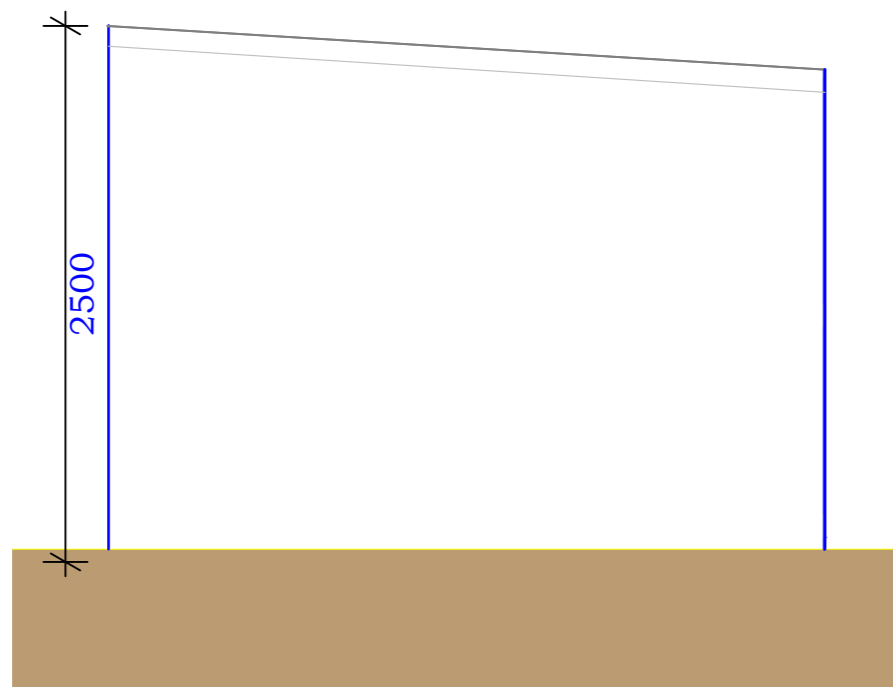
Door frame  
100mmx 25mm wooden plate



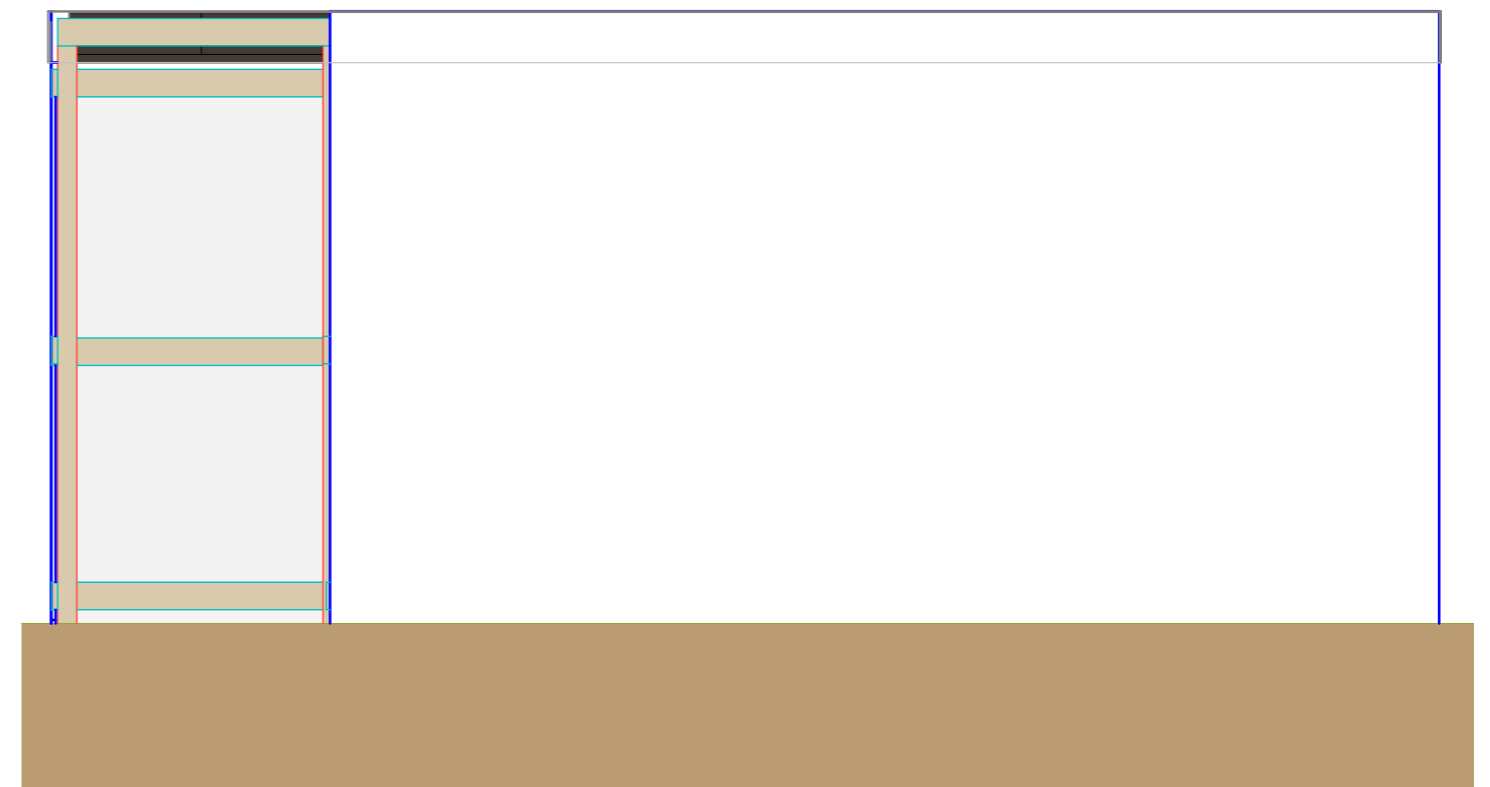
## North Elevation



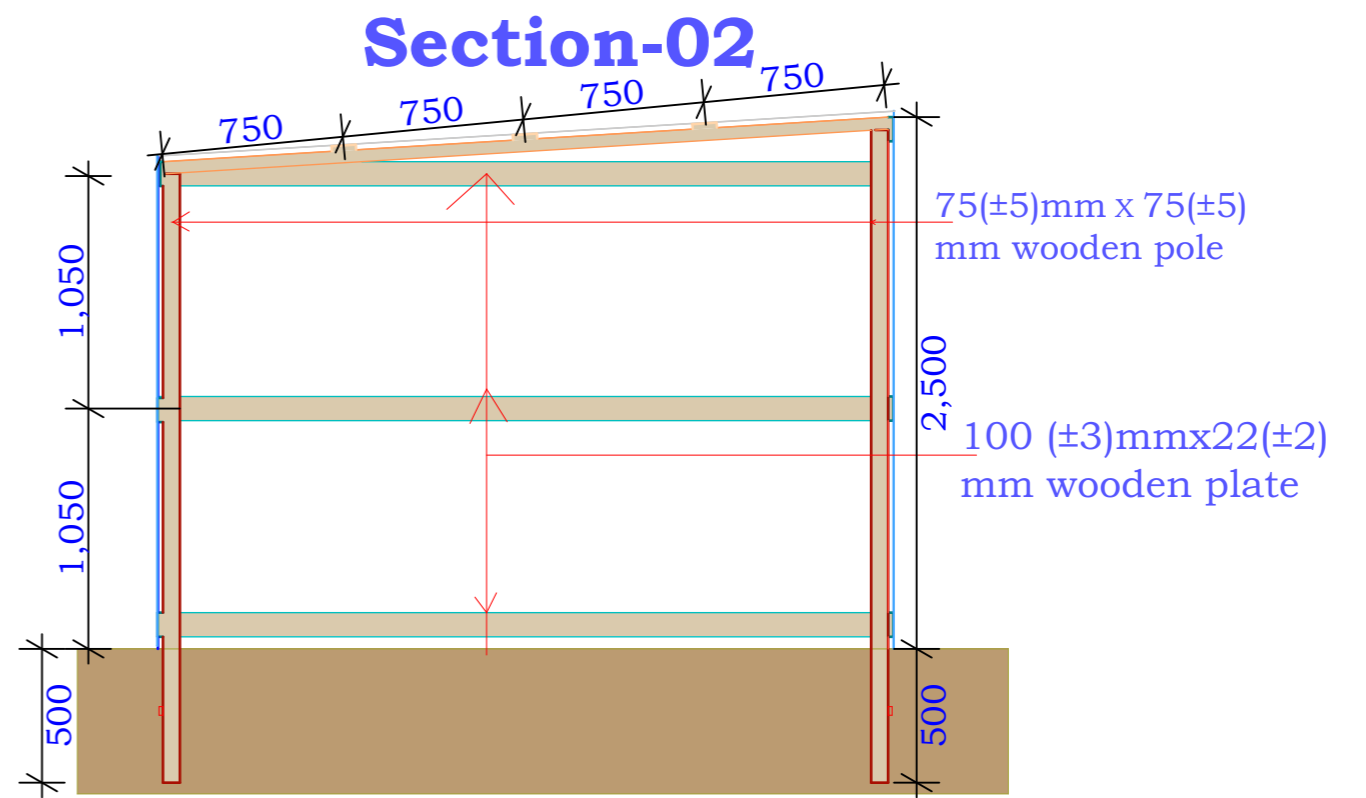
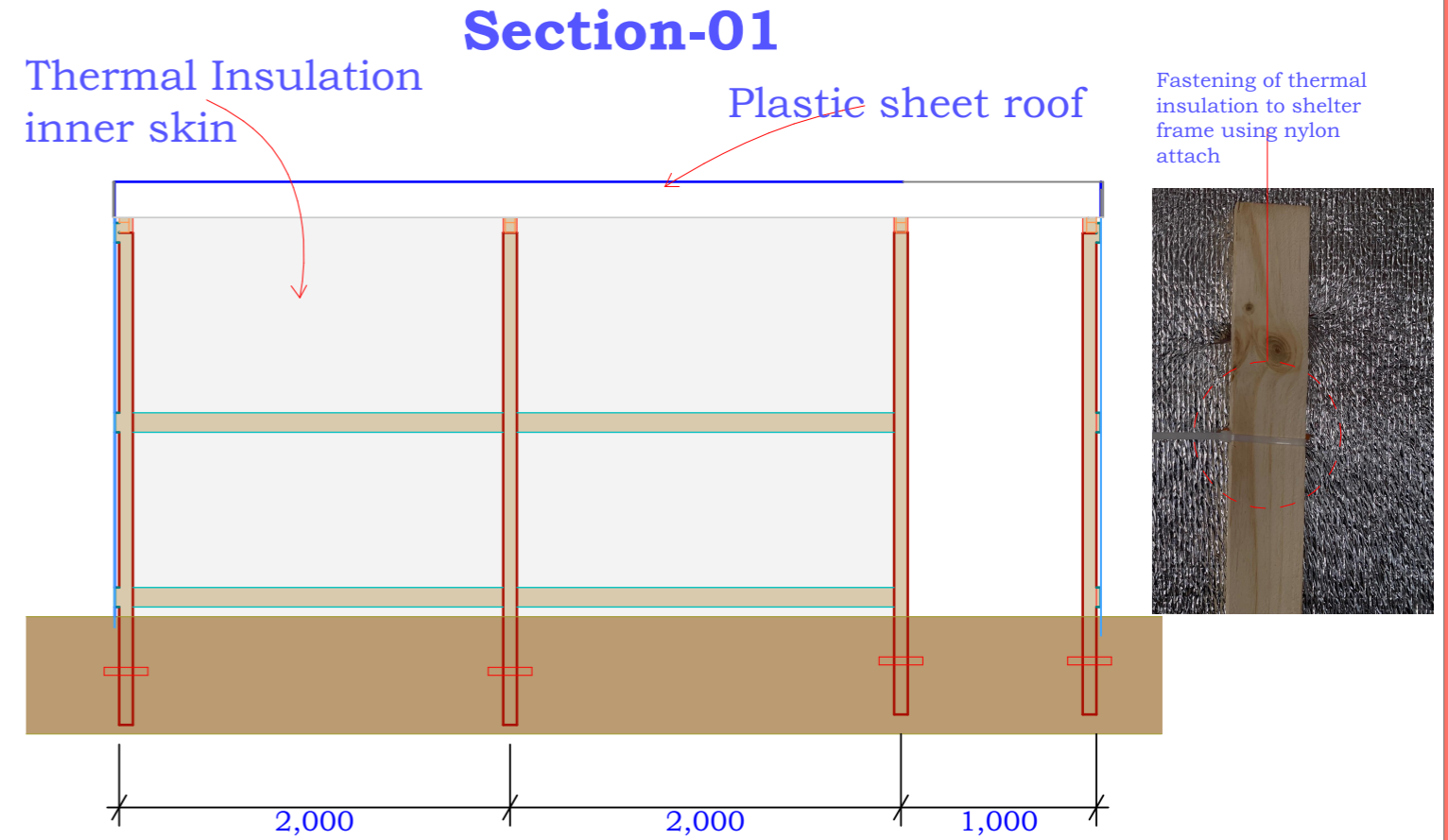
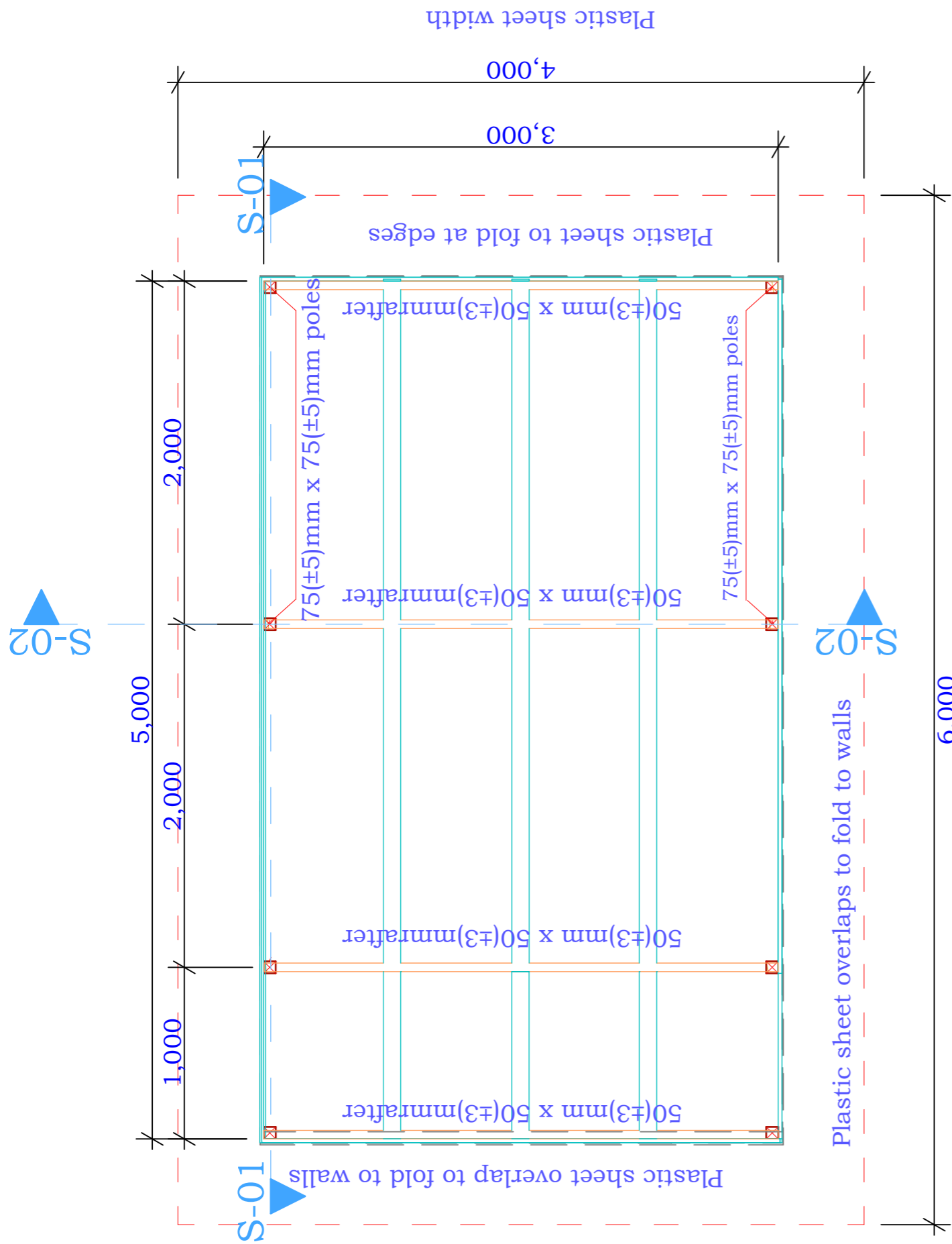
## West/East Elevation



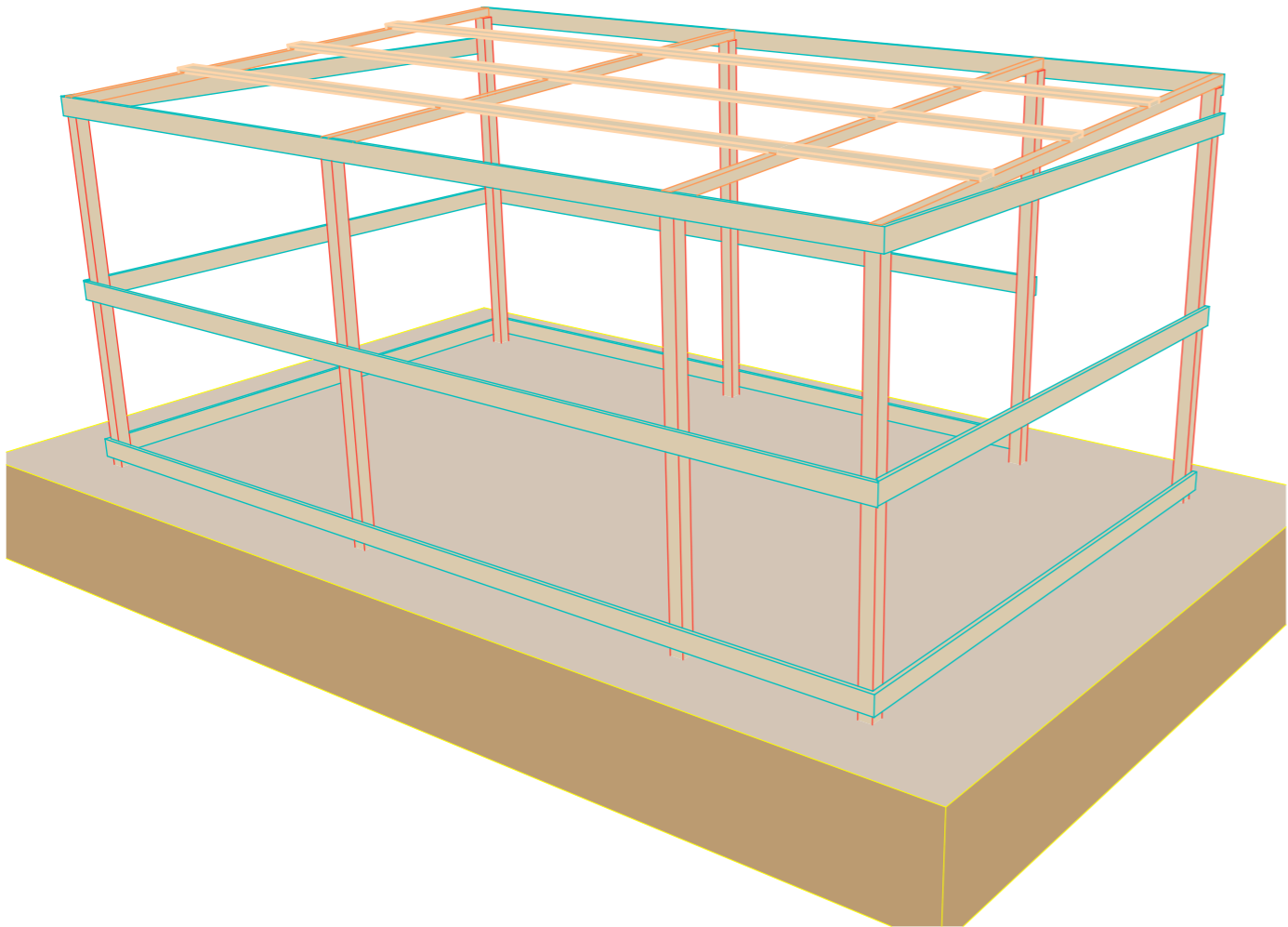
## South Elevation



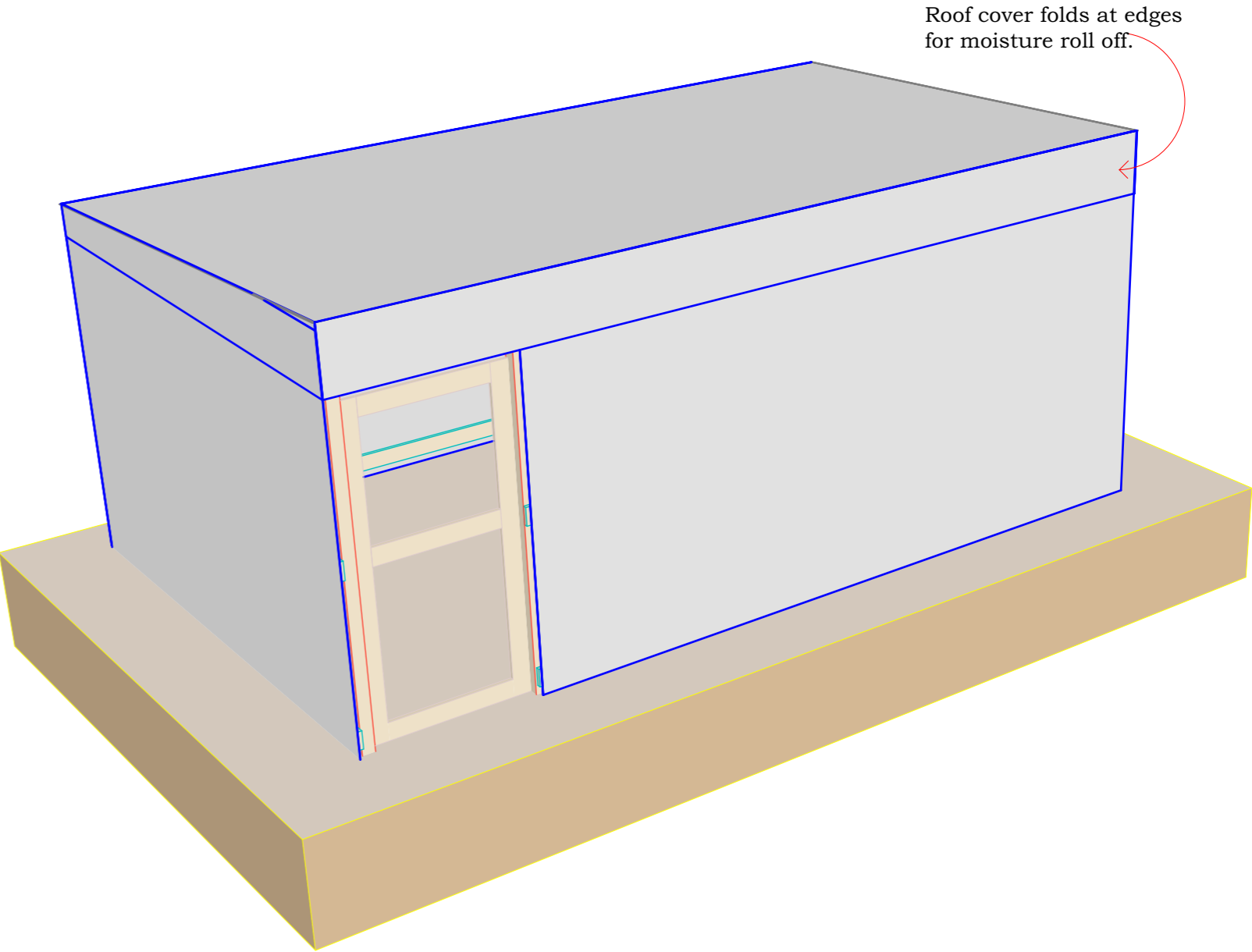
# ROOF PLAN



# ASSEMBLED WOODEN FRAME



# FINISHED EMERGENCY SHELTER





# YEMEN SHELTER CLUSTER

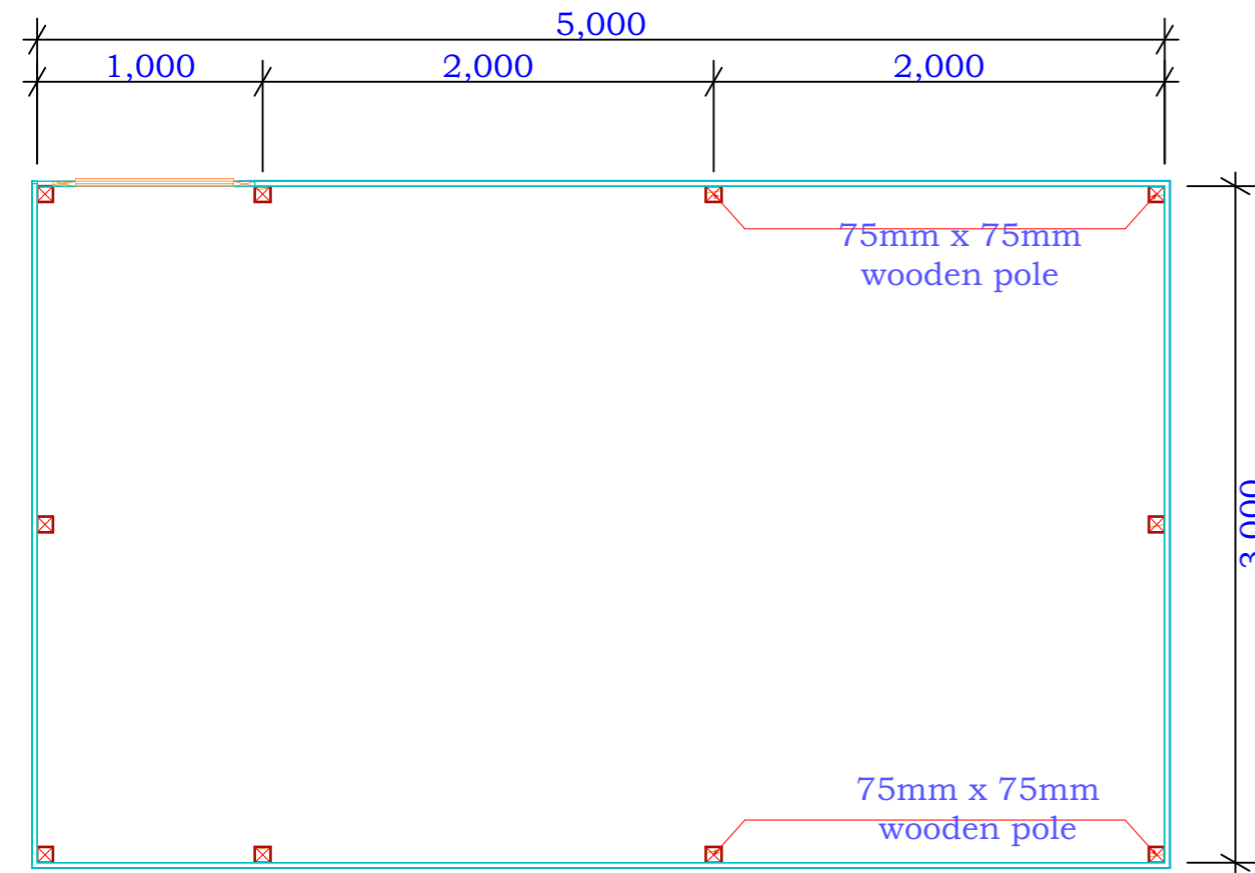
Coordinating Humanitarian Shelter and Settlements

## Model 2 – Gabled Rood Emergency Shelter



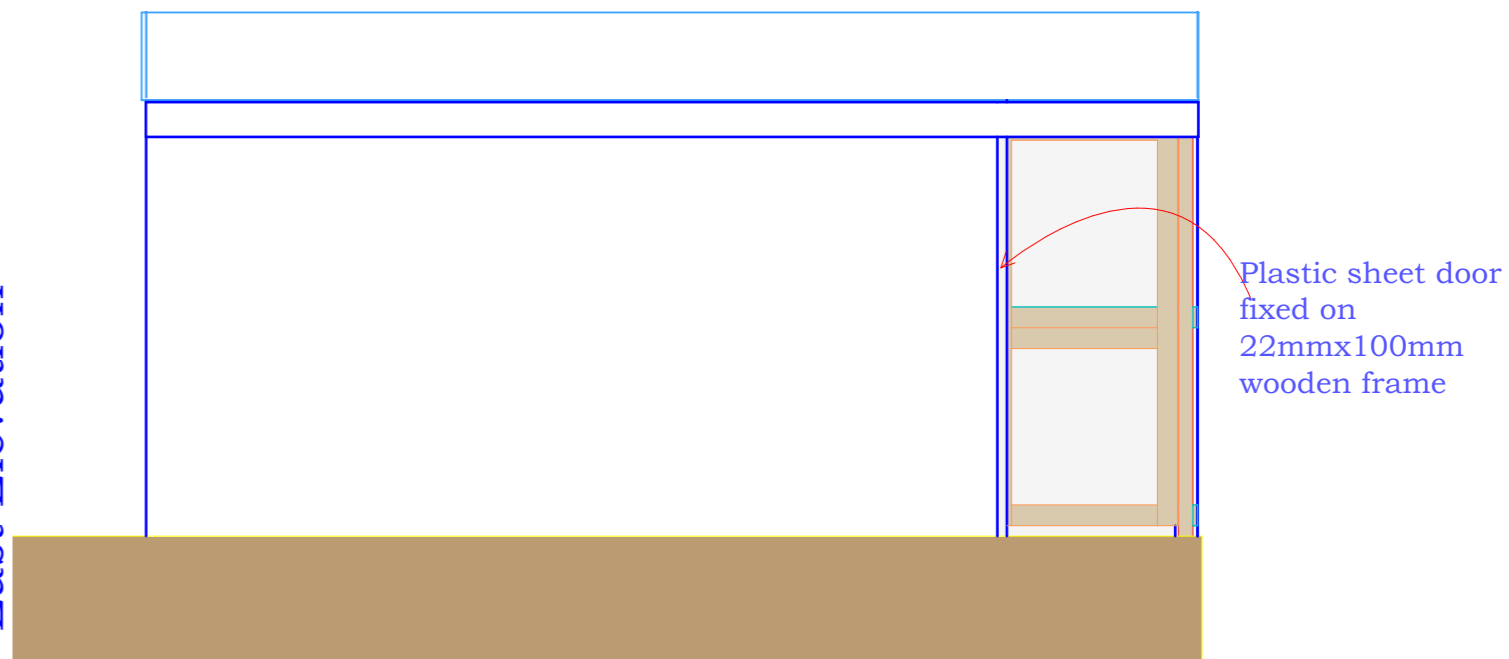
West Elevation

### North Elevation



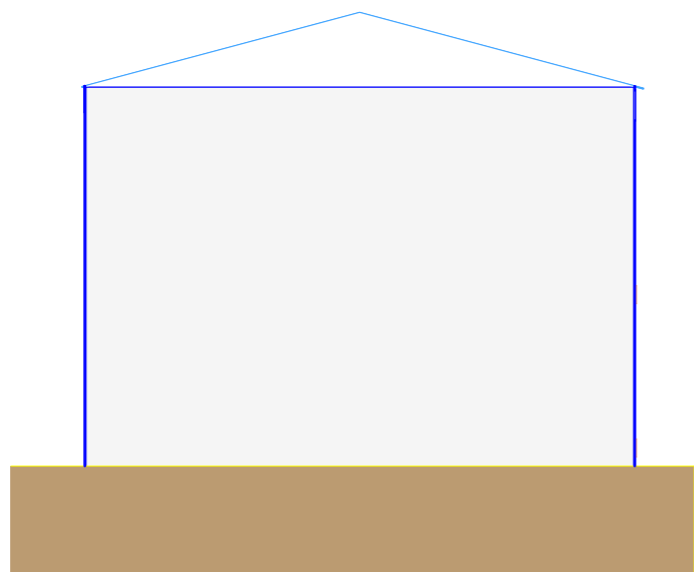
### North Elevation

East Elevation



### South Elevation

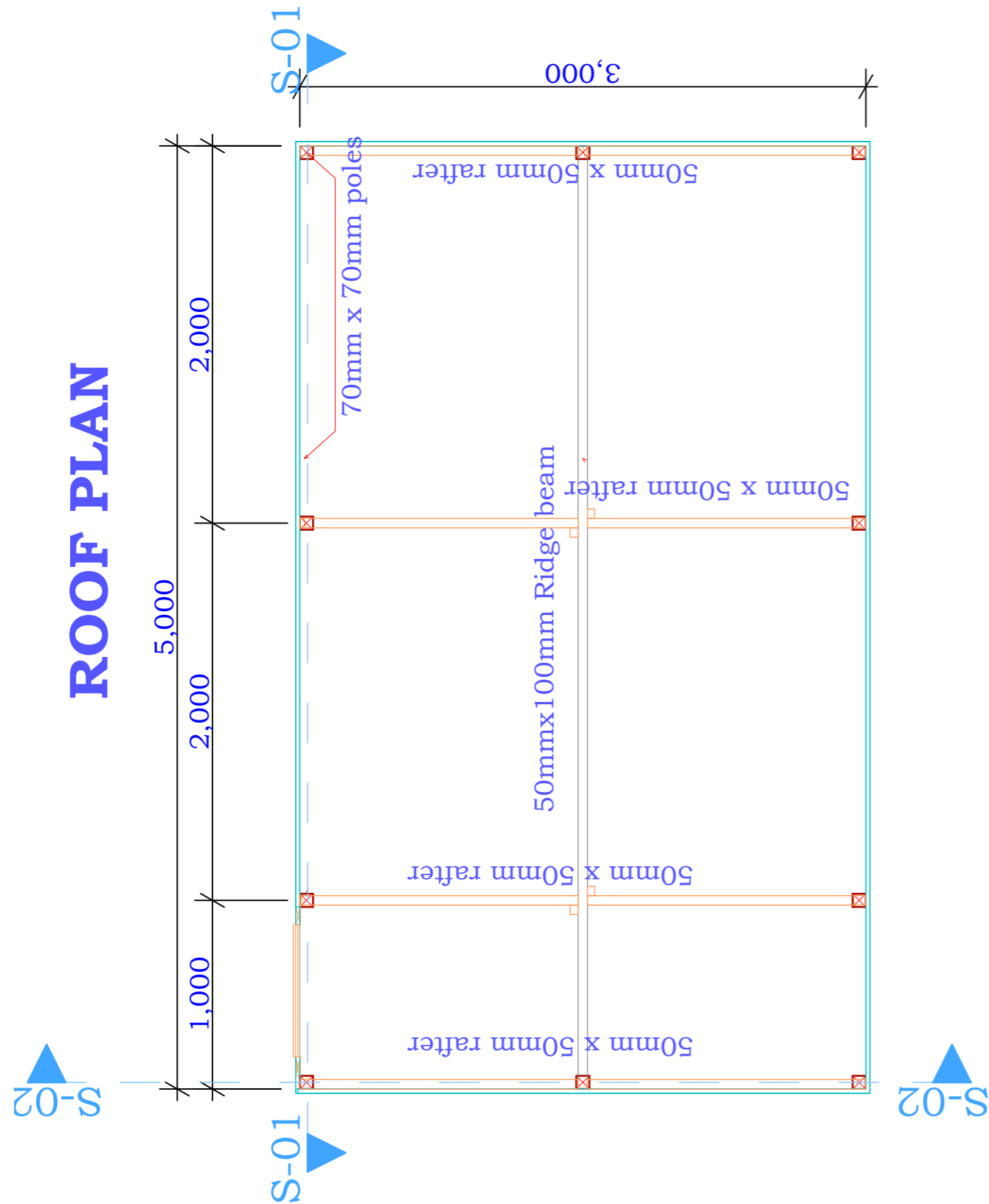
### West/East Elevation



### South Elevation



# ROOF PLAN



Thermal Insulation inner skin  
100mmx50mmx5000mm Ridge beam

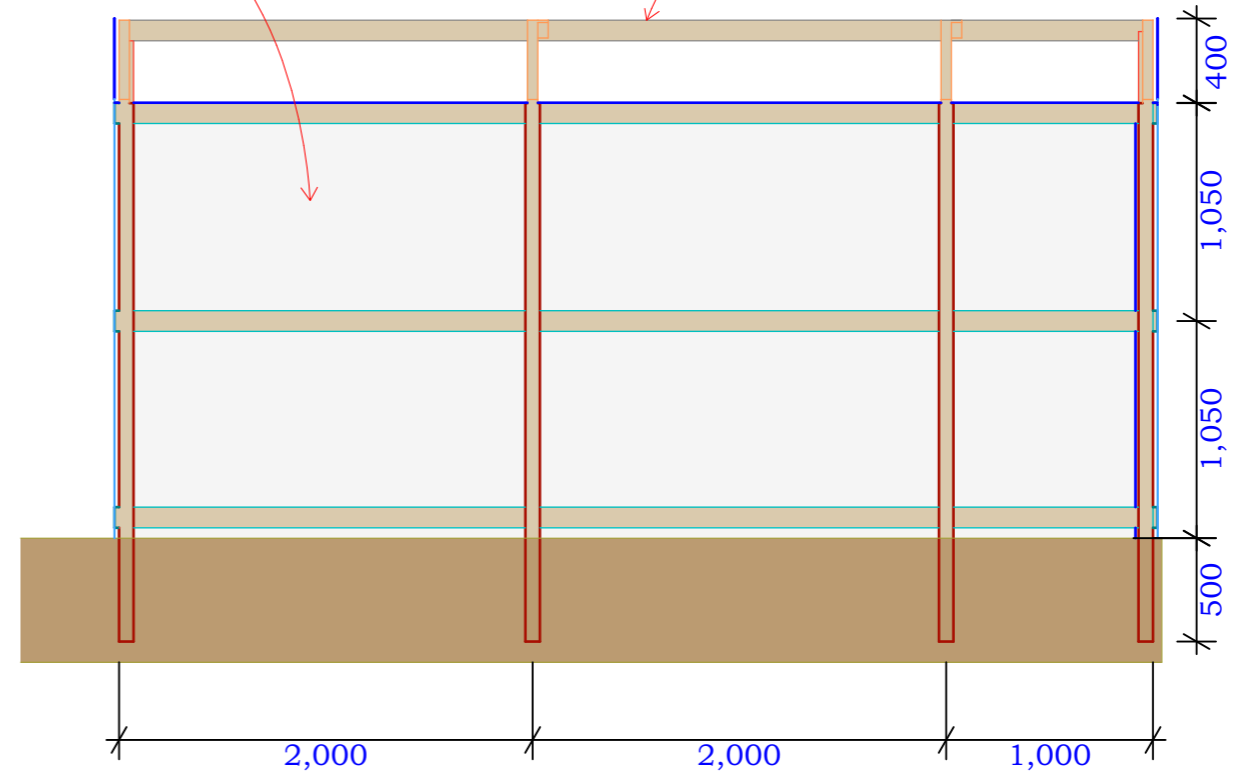
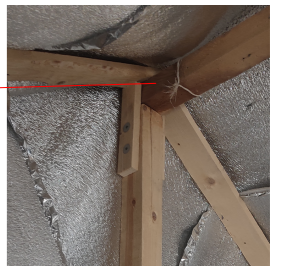
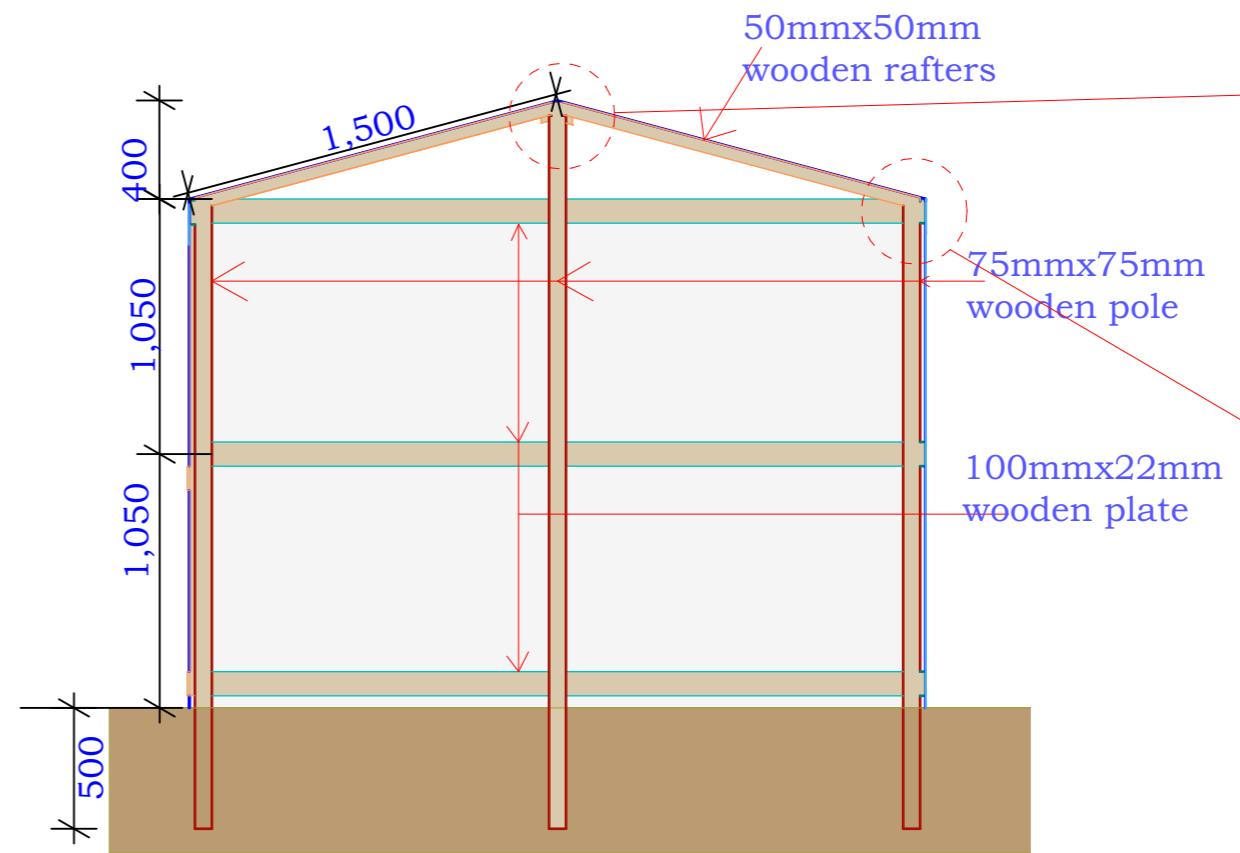
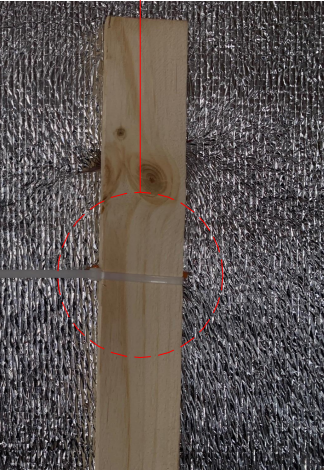
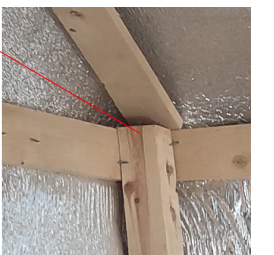


Photo: Fastening of thermal Insulation to shelter frame using nylon attach

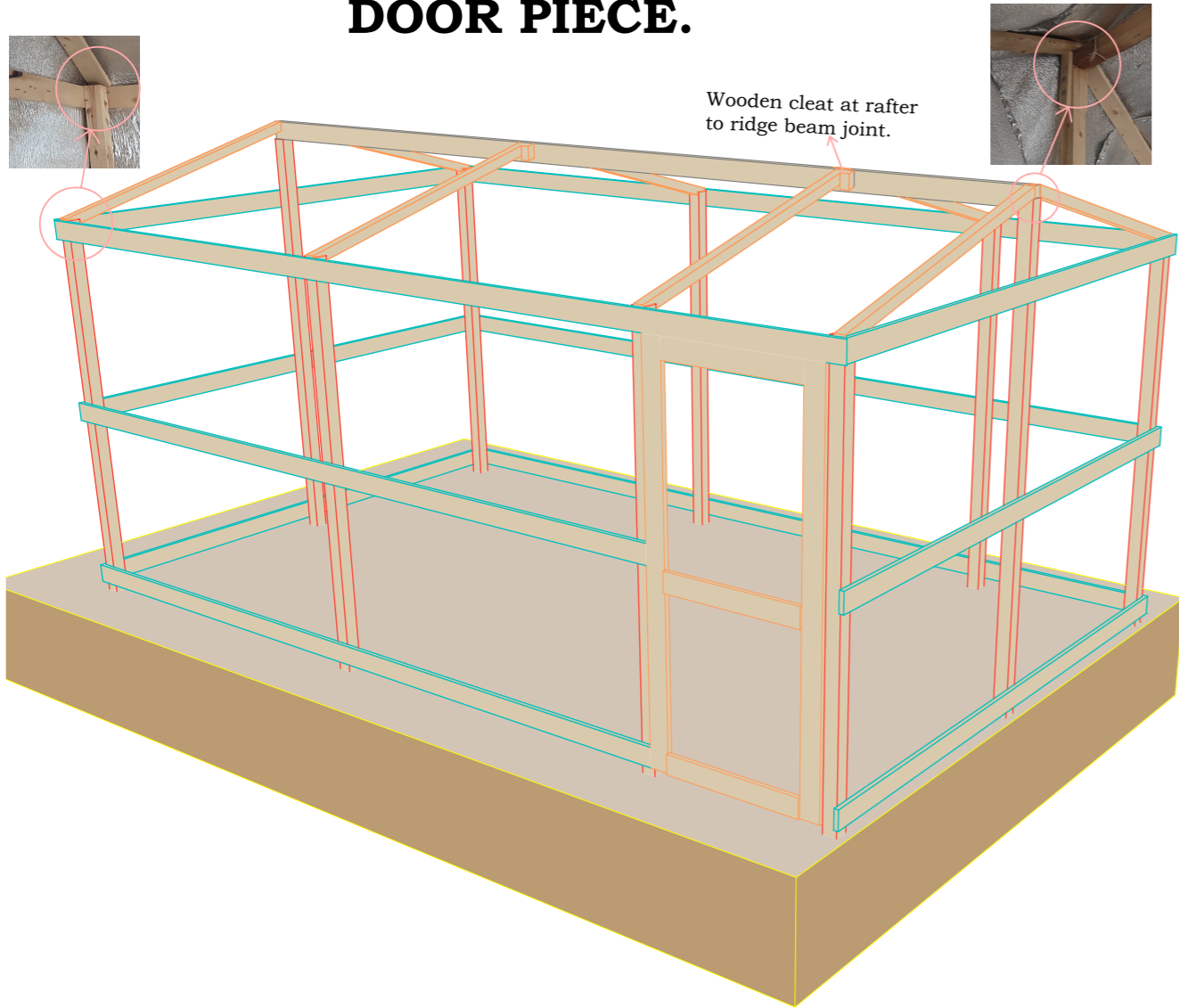


Rafter, ridge plate and center pole connection



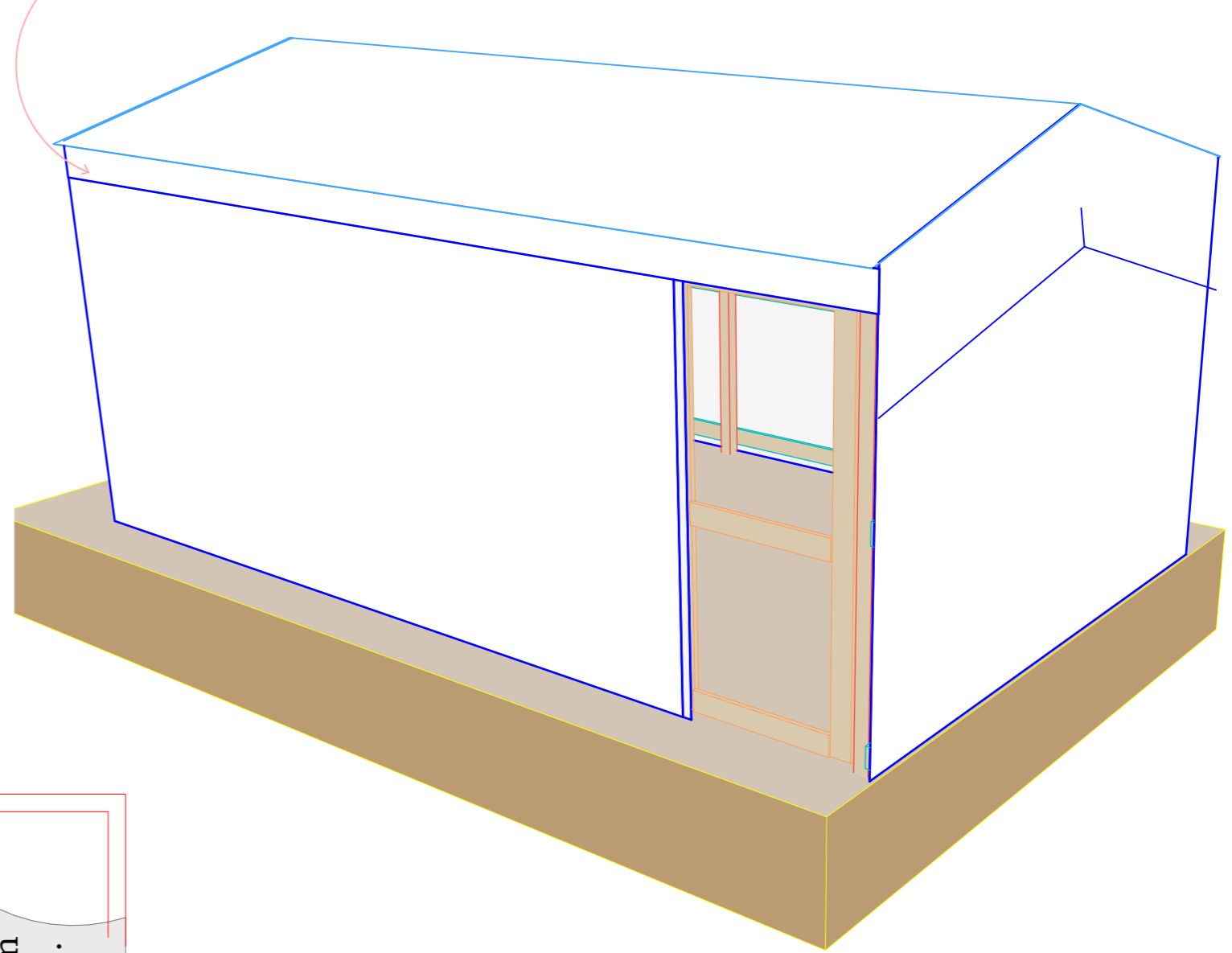
Rafter connection on corner pole.

## ASSEMBLED WOODEN FRAME & DOOR PIECE.



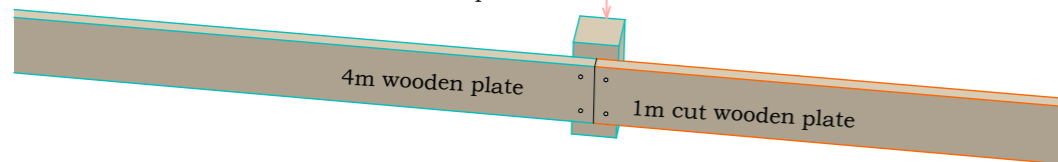
## FINISHED EMERGENCY SHELTER

40cm plastic sheet roof folds over walls fixed with umbrella nails.



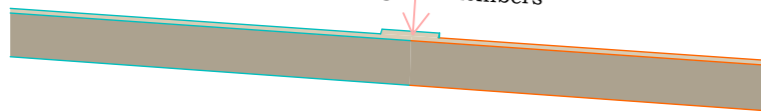
### Wooden plate connection.

wooden pole at 1m (part of door opening or back site) where two plates connect to make 5m.



### Ridge beam connection.

200mm long - 100mm x25 mm - Wooden cleat connecting two members



Plastic sheet, fixed on 25mmx100mm frame using nails.

**Note:** Thermal insulation under plastic sheet will be fixed by umbrella nails or nylon attach to wooden frame.

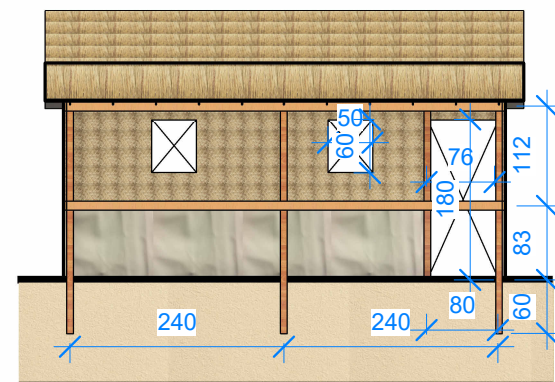
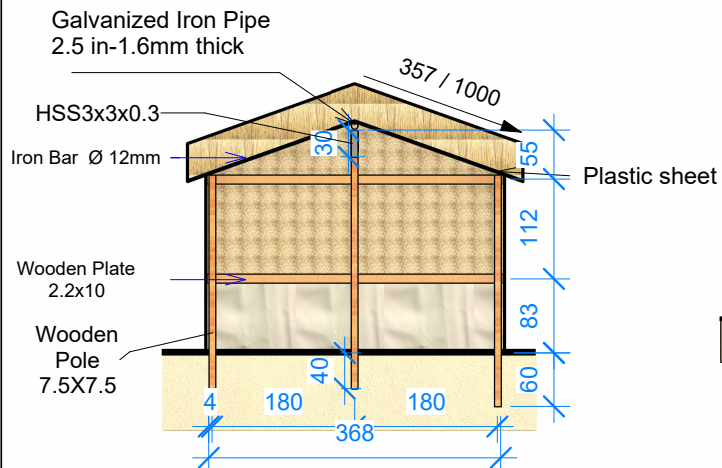
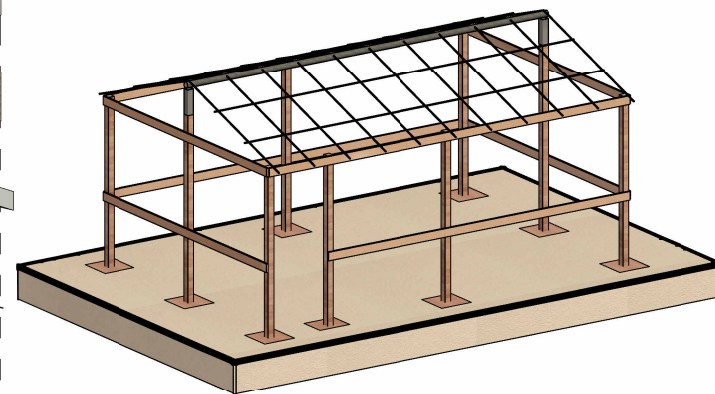
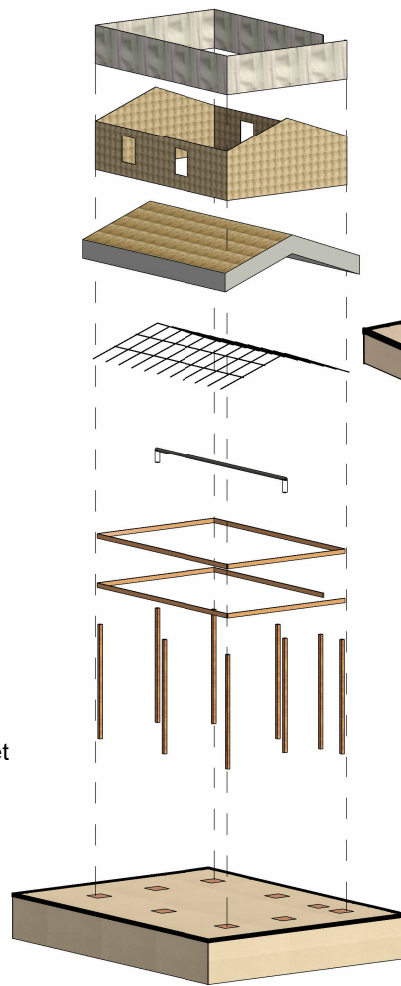
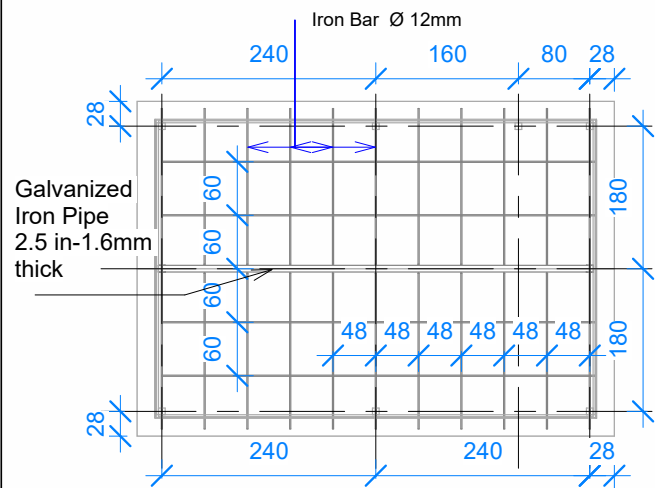


## YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

### Model 4 – Tihama Localized Shelter





**Shelter Cluster Yemen**  
ShelterCluster.org  
Coordinating Humanitarian Shelter

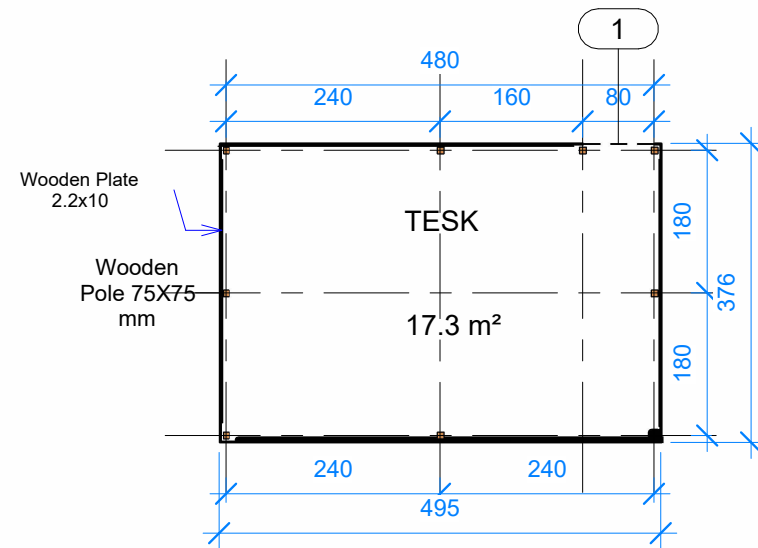
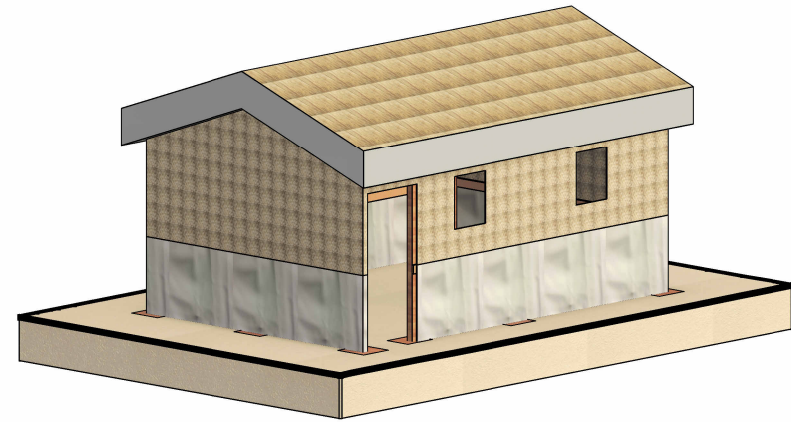
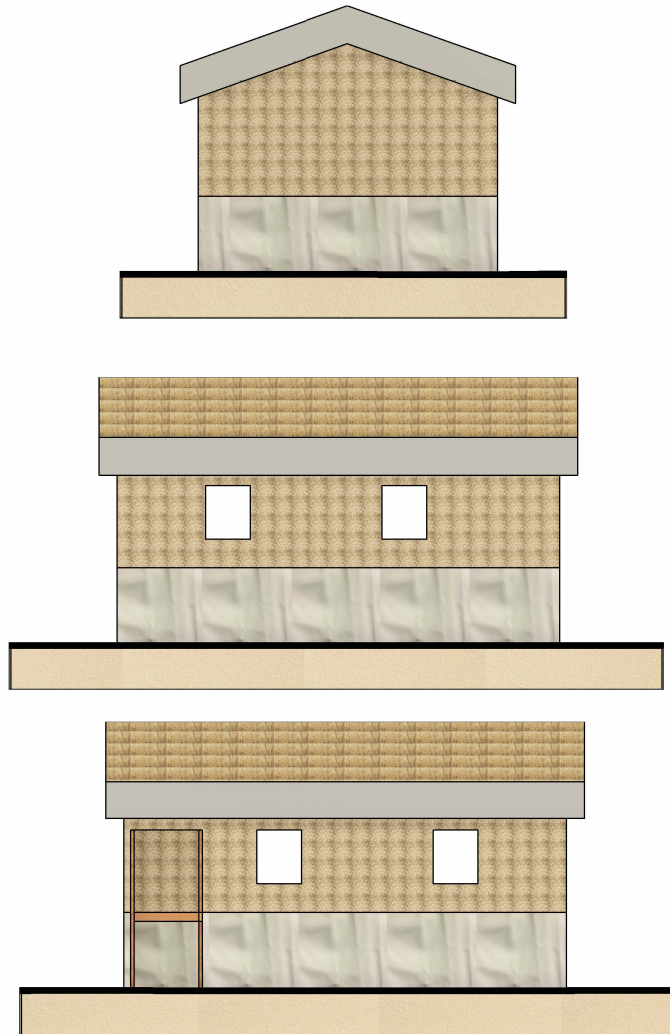
<https://www.sheltercluster.org/response/yemen>

Shelter Cluster

TESK

Structure Frame Drawings

Project number	0001	A101
Date	Issue Date	
Drawn by	Author	Scale 1 : 75
Checked by	Checker	



**Shelter Cluster Yemen**  
 ShelterCluster.org  
 Coordinating Humanitarian Shelter

<https://www.sheltercluster.org/response/yemen>

Shelter Cluster

TESK

Arch. Drawings

Project number	0001
Date	Issue Date
Drawn by	Author
Checked by	Checker

A102

Scale 1 : 75

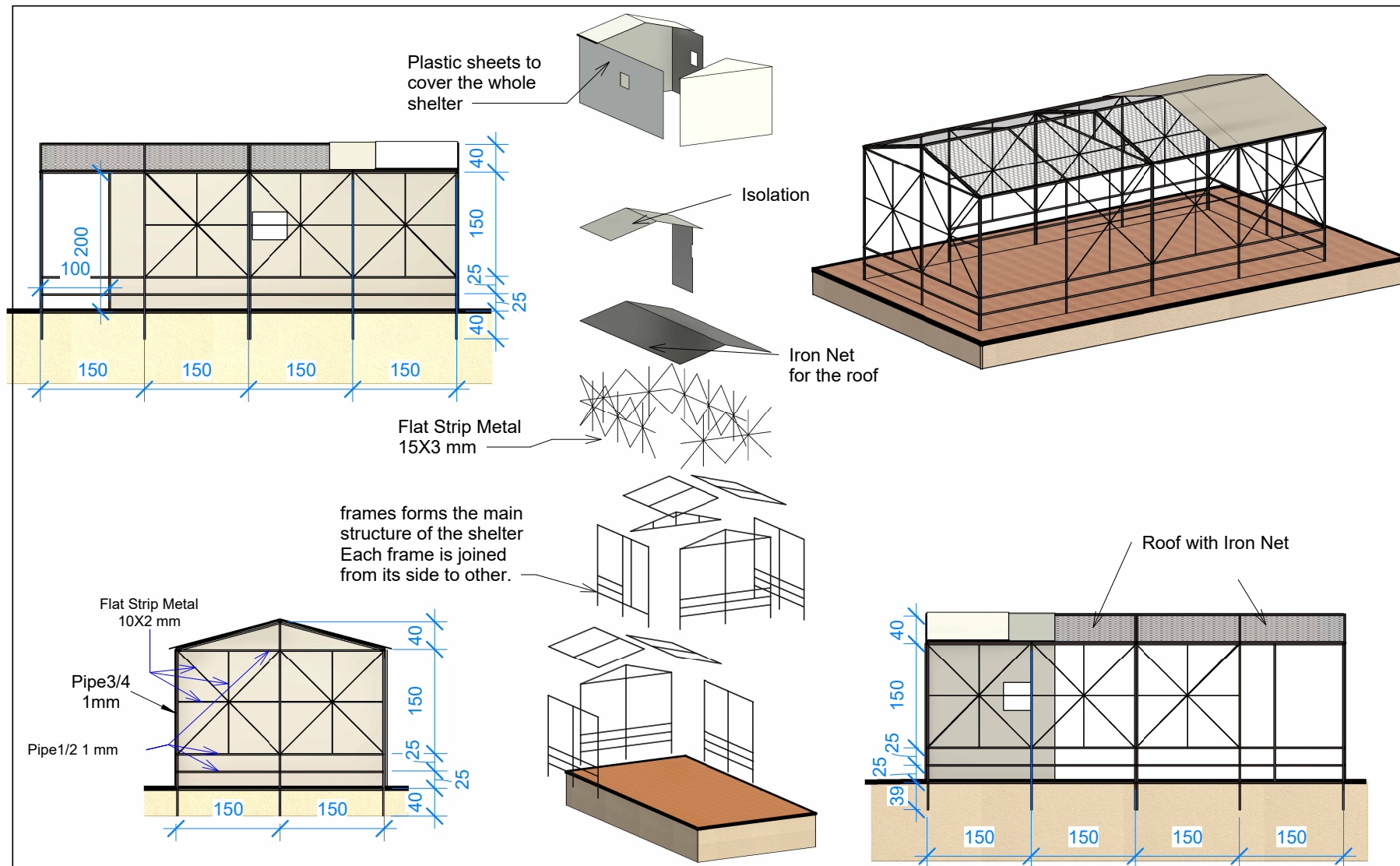


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 5 – Marib Localized Shelter





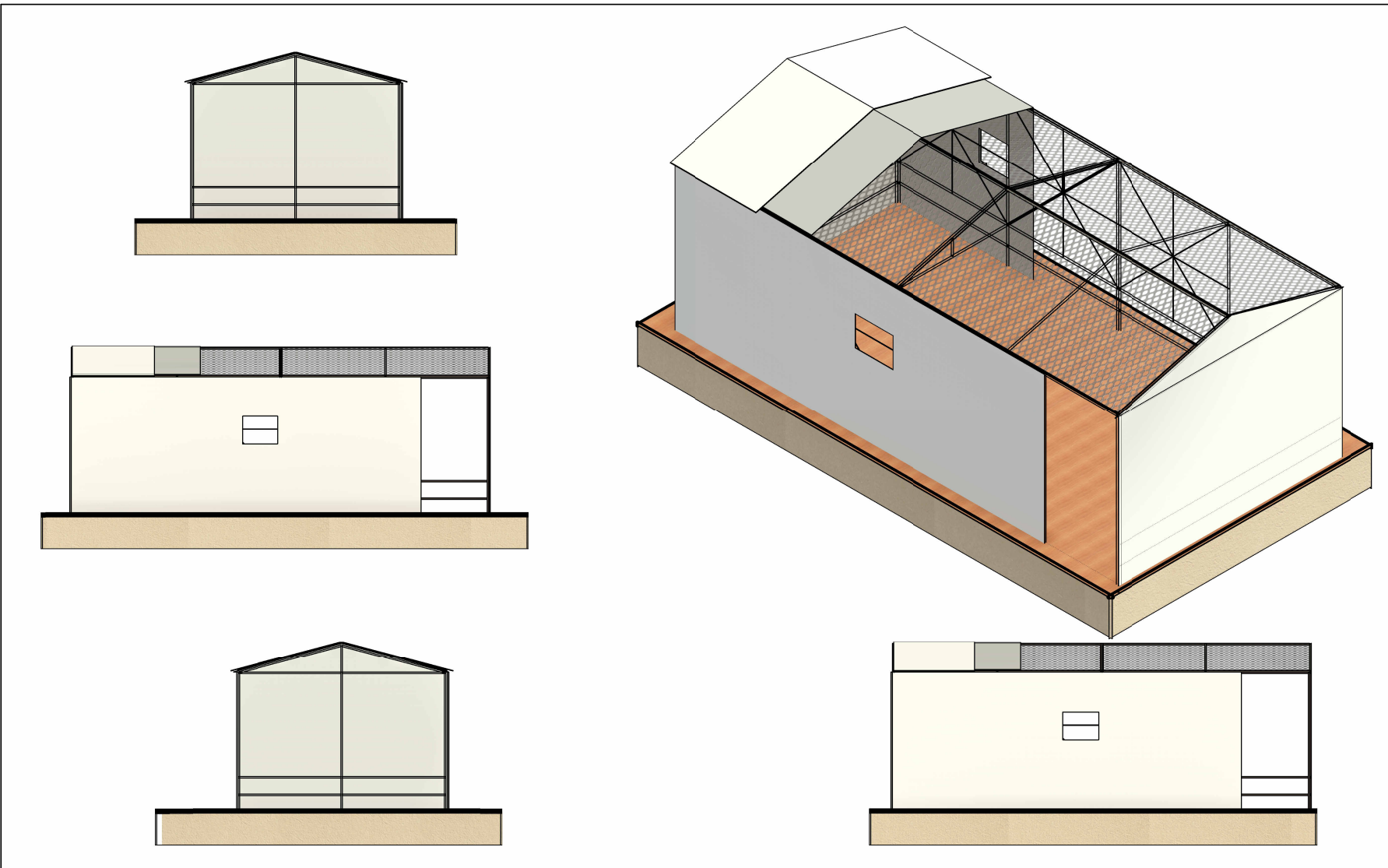
**Shelter Cluster Yemen**  
ShelterCluster.org  
Coordinating Humanitarian Shelter

<https://www.sheltercluster.org/response/yemen>

Shelter Cluster  
**Iron Net Shelter**

**Structure Frame Drawings**

Project number	0001	<b>A101</b>
Date	Issue Date	
Drawn by	Author	Scale 1 : 75
Checked by	Checker	



**Shelter Cluster Yemen**  
 ShelterCluster.org  
 Coordinating Humanitarian Shelter

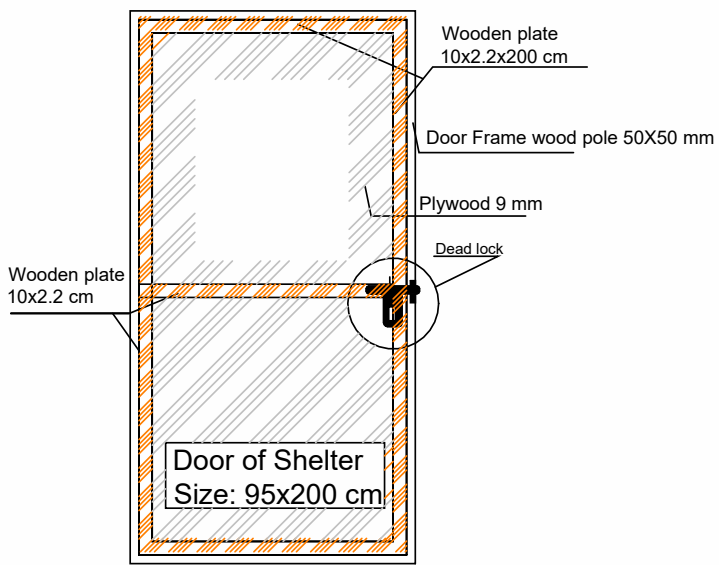
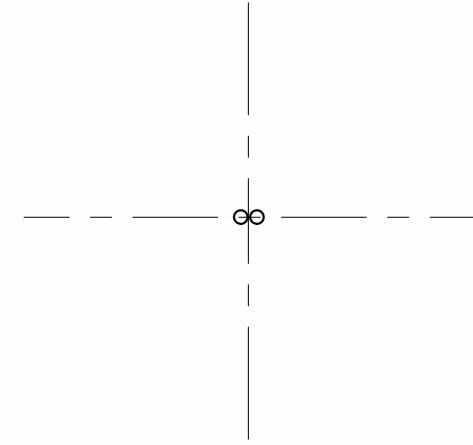
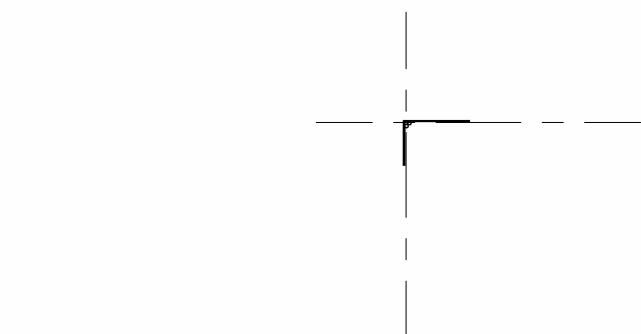
<https://www.sheltercluster.org/response/yemen>

Shelter Cluster  
**Iron Net  
 Shelter**

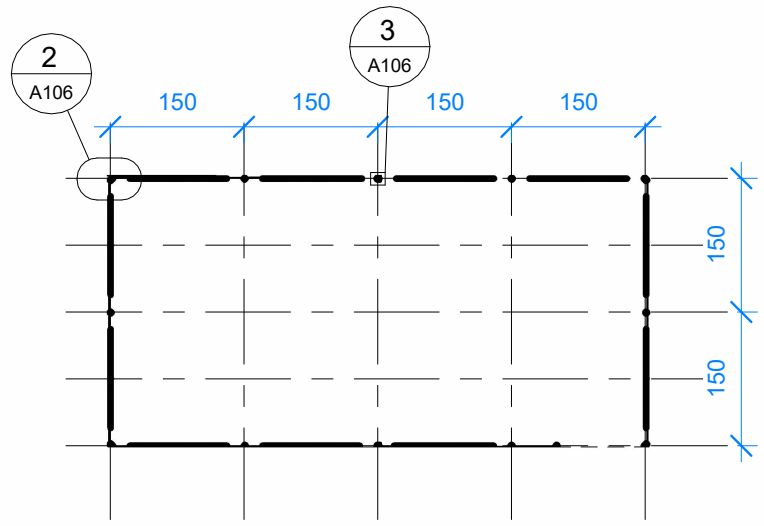
**Arch. Drawings**

Project number	0001
Date	Issue Date
Drawn by	Author
Checked by	Checker

**A102**



Door Details



**Shelter Cluster Yemen**  
ShelterCluster.org  
Coordinating Humanitarian Shelter

<https://www.sheltercluster.org/response/yemen>

Shelter Cluster  
**Iron Net  
Shetler**

Unnamed

Project number	0001
Date	Issue Date
Drawn by	Author
Checked by	Checker

**A106**

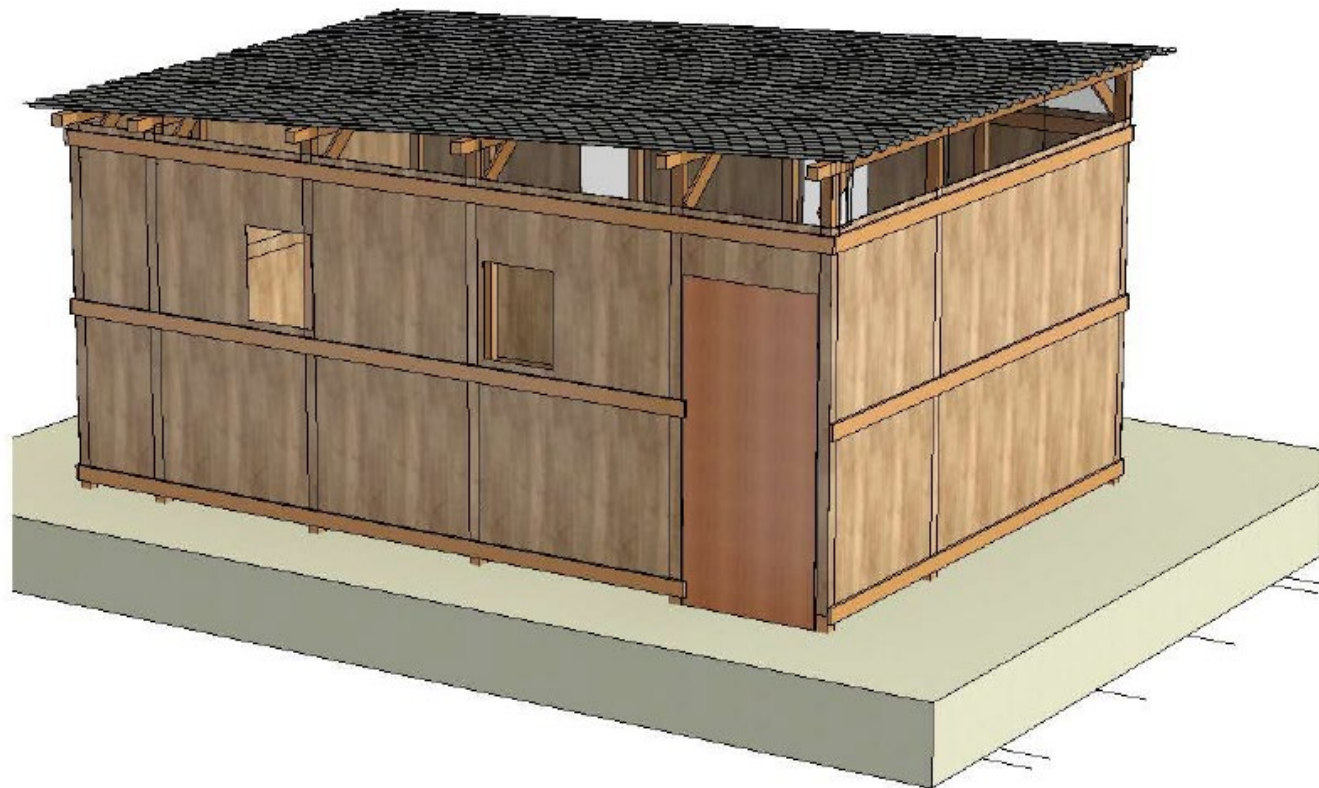
Scale As indicated

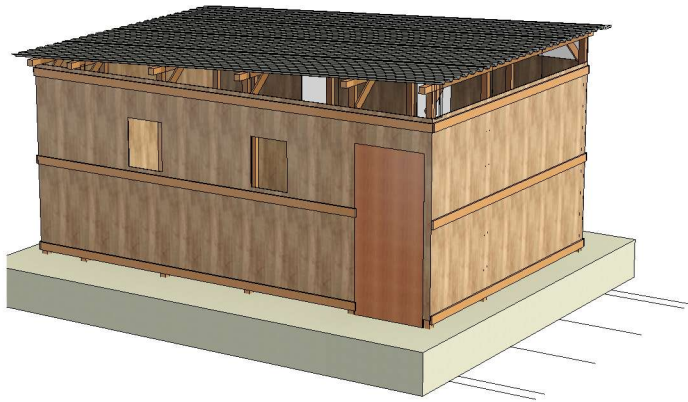


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 6A – Inclined Roof Transitional Shelter (Wooden Wall – Hot Areas)

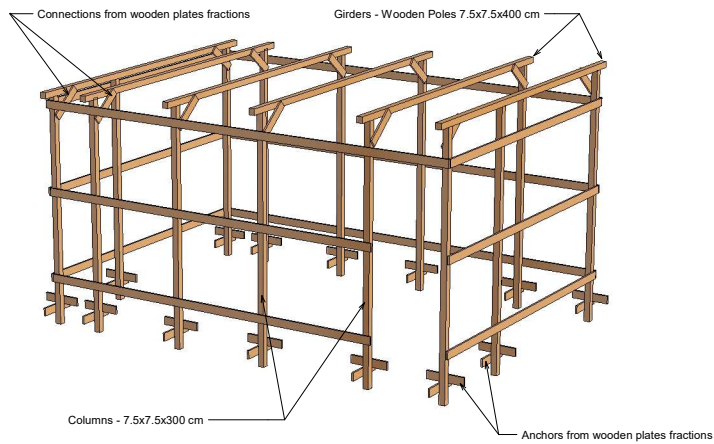




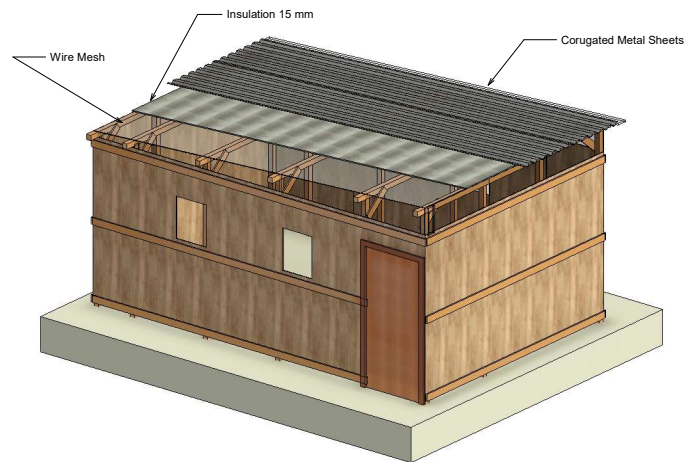
① 3D View from Outside




② 3D View from Inside

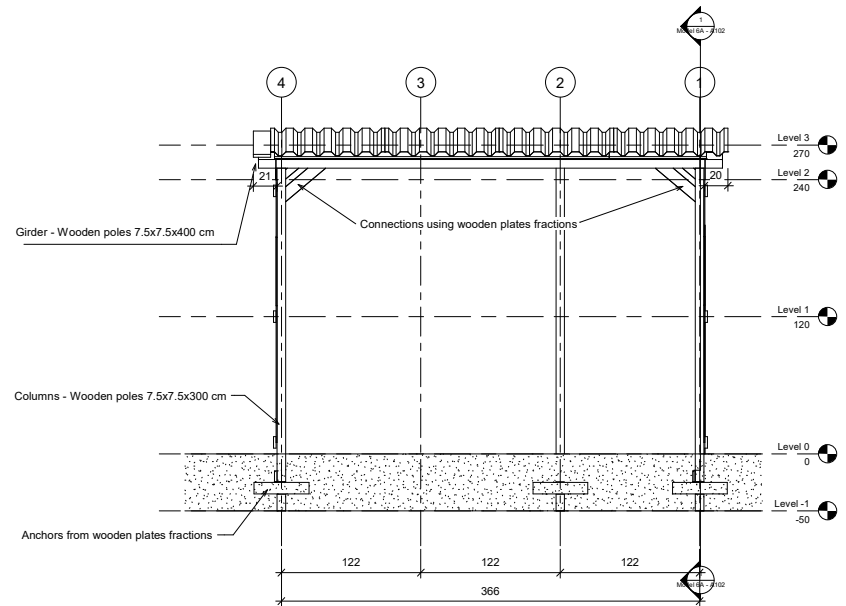


③ 3D View for Structure

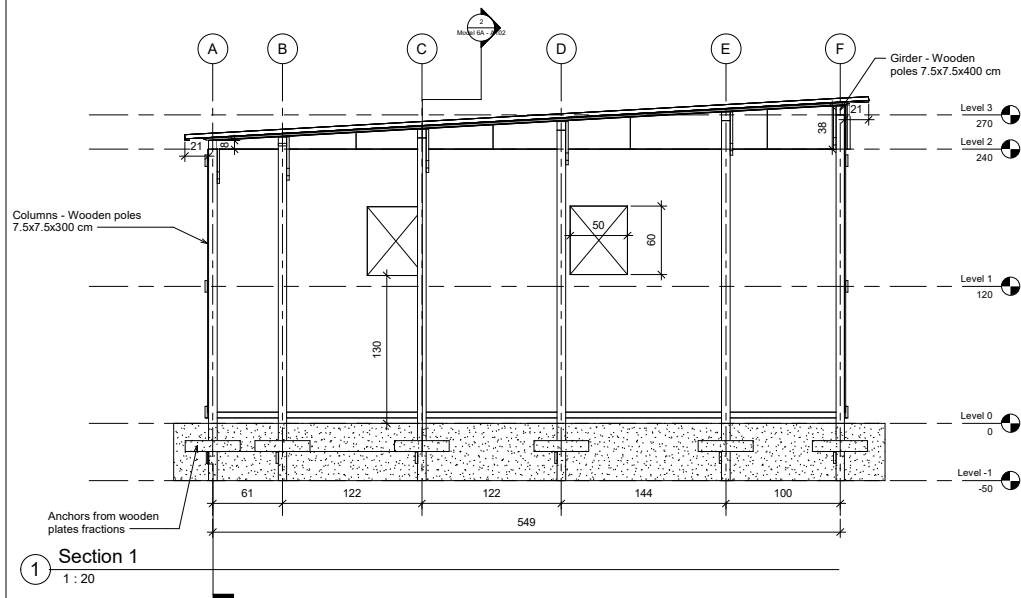


④ 3D View for Shell


 <p>www.sheltercluster.org/mena/yemen</p>	
<p><b>Inclined Roof Wooden Shelter</b></p>	
<p>3D Views</p>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<p><b>Model 6A - A101</b></p>	
Scale	

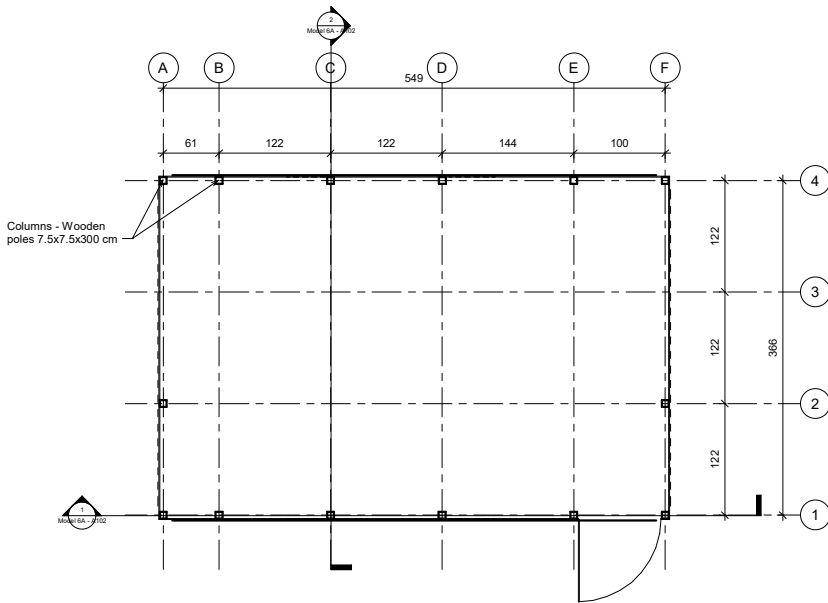


② Section 2  
1 : 20

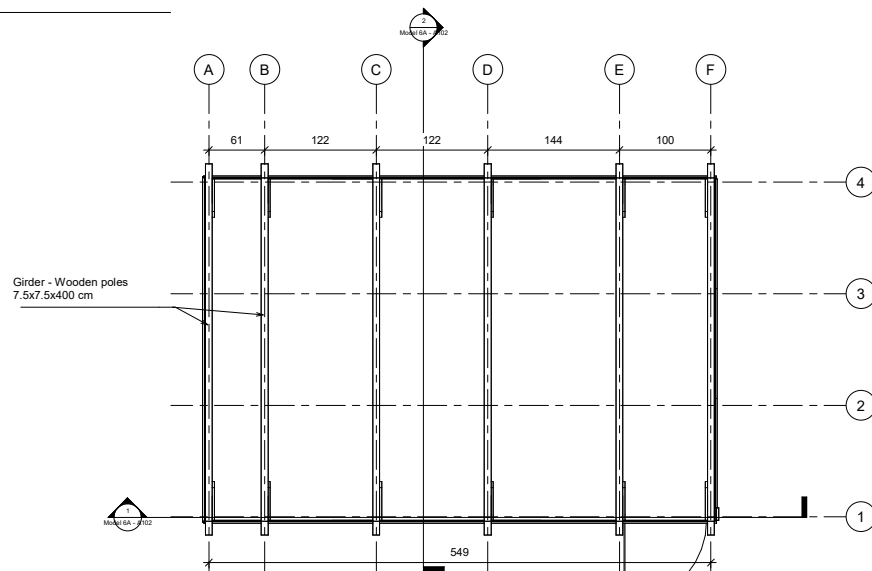


① Section 1  
1 : 20


 YEMEN SHELTER CLUSTER Cusubalidating (Hawash)shelter and Shelterazala	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Sections</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6A - A102</b>	
Scale	1 : 20

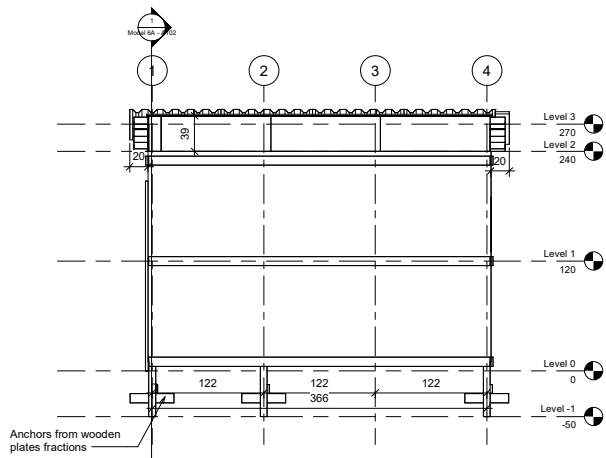


① Level 0  
1 : 25

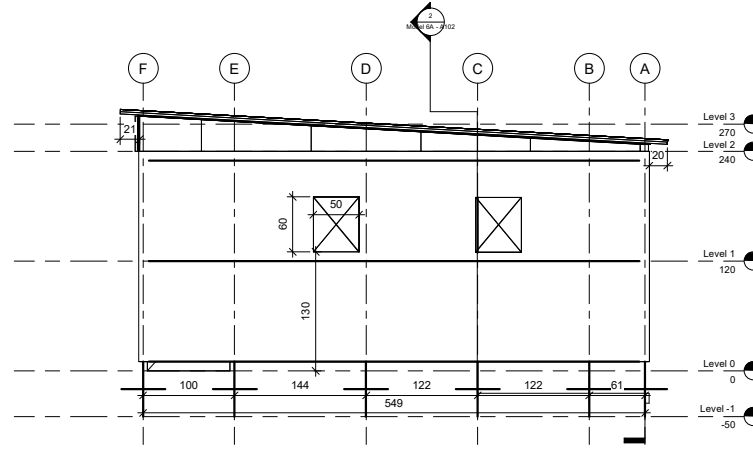


② Level 3  
1 : 25

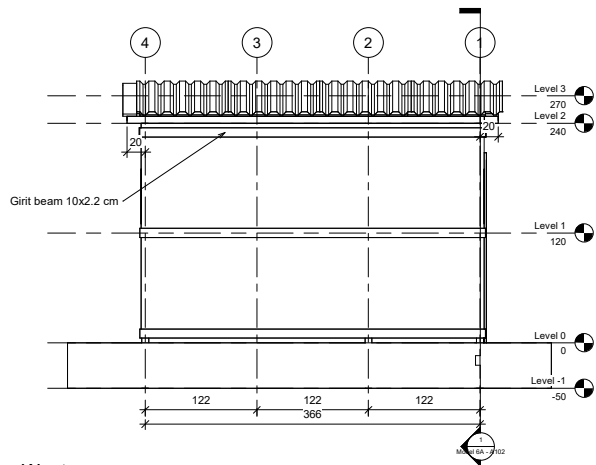
 YEMEN SHELTER CLUSTER Coordinating (non-contributing) shelters and settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
Plans	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 6A - A103</b>	
Scale	1 : 25



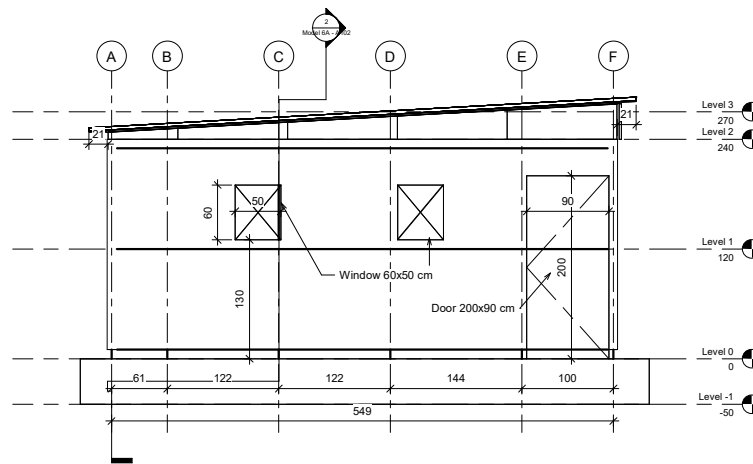
1 East  
1 : 25




2 North  
1 : 25



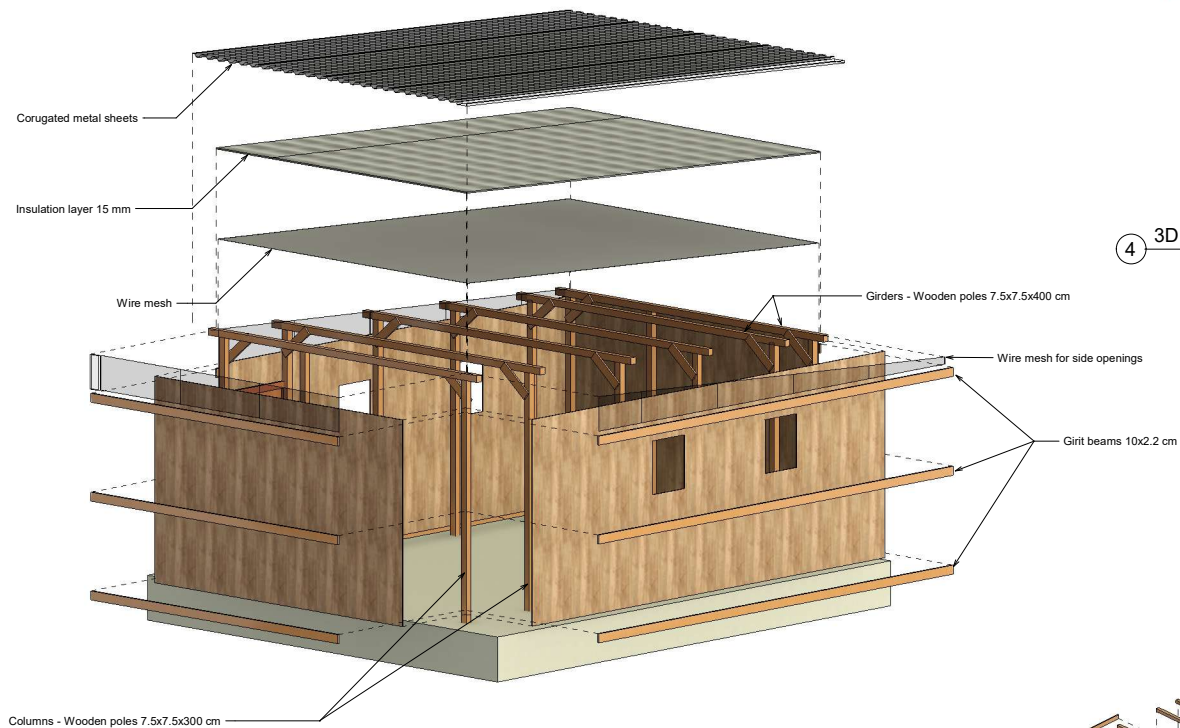
4 West  
1 : 25



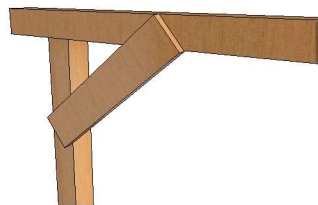
3 South  
1 : 25

 YEMEN SHELTER CLUSTER Cova setting (Rasoulbaraka Shelters and Settlements)	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Elevations</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6A - A104</b>	
Scale	1 : 25

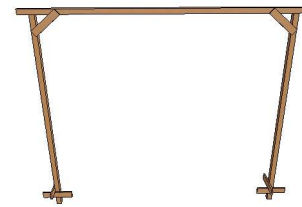
11/4/2024 3:42:59 PM



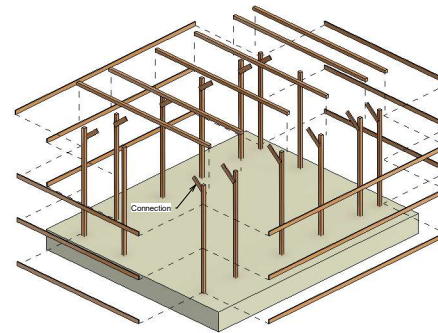
① 3D View (Parts)




③ 3D View (Connection)



④ 3D View (Frame)



② 3D View (Parts) Structural

 <p>www.sheltercluster.org/mena/yemen</p>	
<p><b>Inclined Roof Wooden Shelter</b></p>	
<p>3D Views (Parts)</p>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<p><b>Model 6A - A105</b></p>	
Scale	

11/4/2024 3:43:05 PM



# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 6B – Inclined Roof Transitional Shelter (Wooden Wall–Cold Areas)

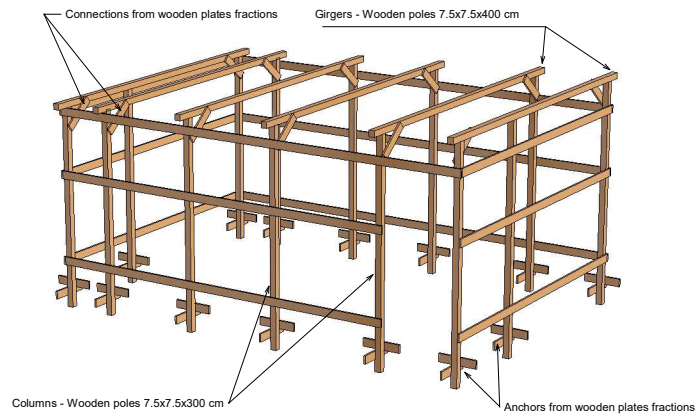




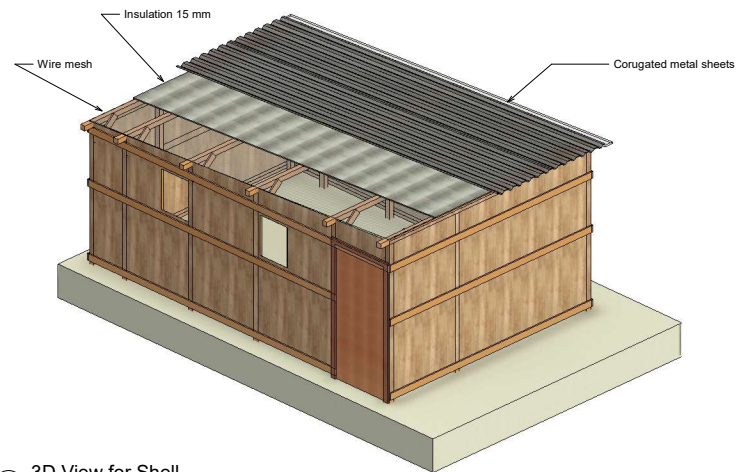
① 3D View from Outside




② 3D View from Inside

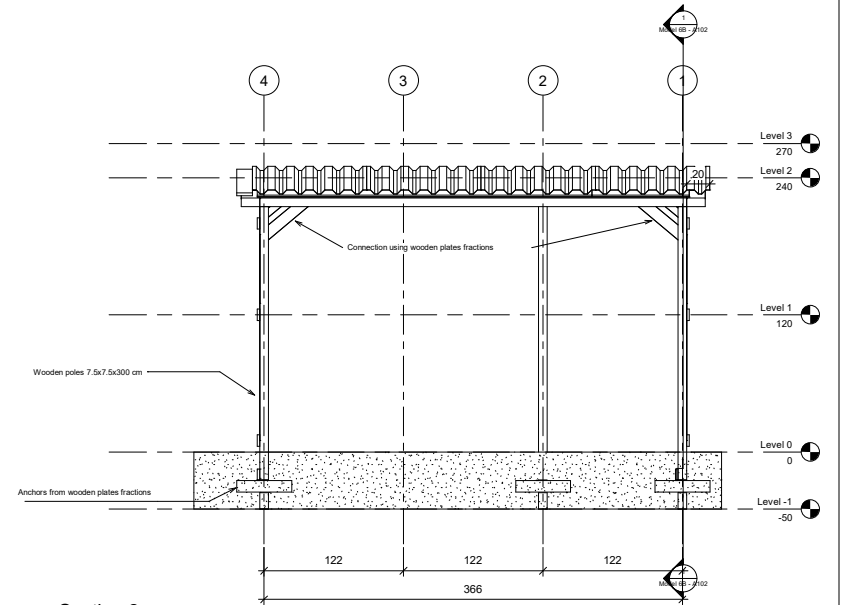



③ 3D View for Structure



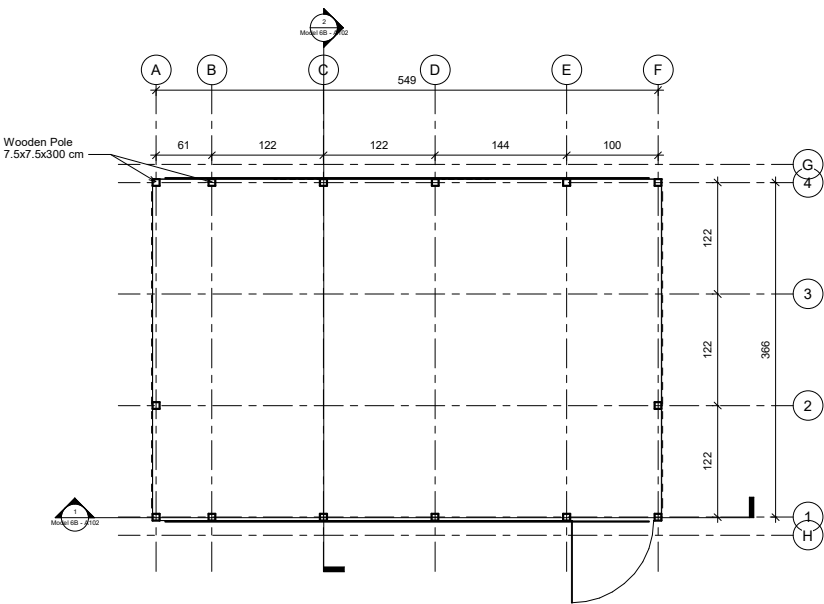
④ 3D View for Shell

 <small>Coordinating Humanitarian Shelters and Settlements</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>3D Views</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 6B - A101</b>	
Scale	

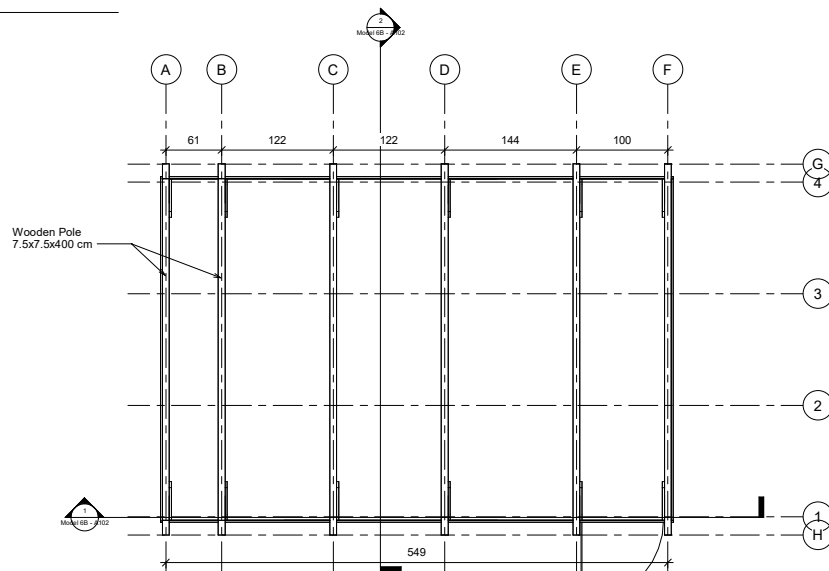


 YEMEN SHELTER CLUSTER Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Sections</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6B - A102</b>	
Scale	1 : 20


11/4/2024 3:50:42 PM



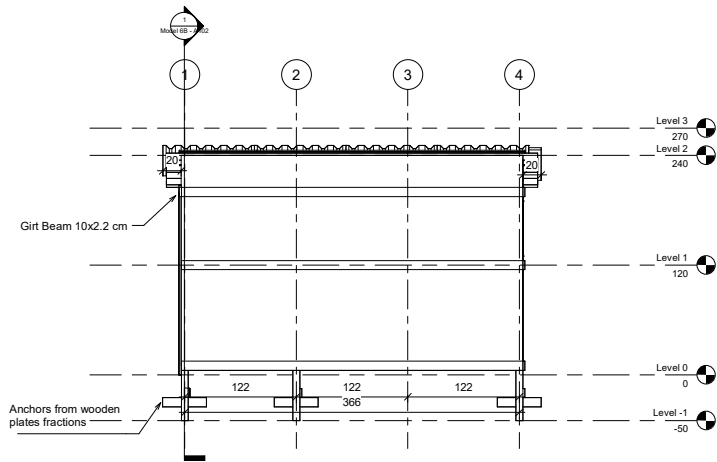
1 Level 0  
1 : 25



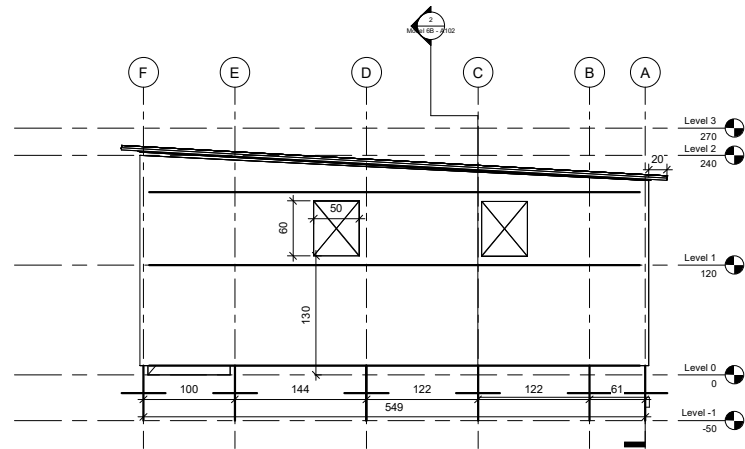
2 Level 3  
1 : 25

 <p>www.sheltercluster.org/mena/yemen</p>	
<b>Inclined Roof Wooden Shelter</b>	
Plans	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 6B - A103</b>	
Scale	1 : 25

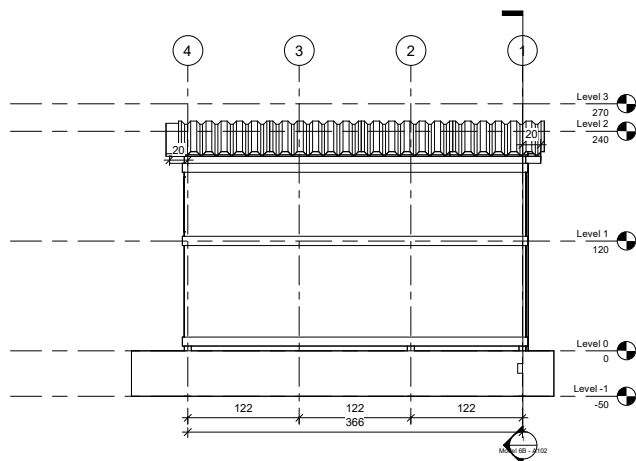
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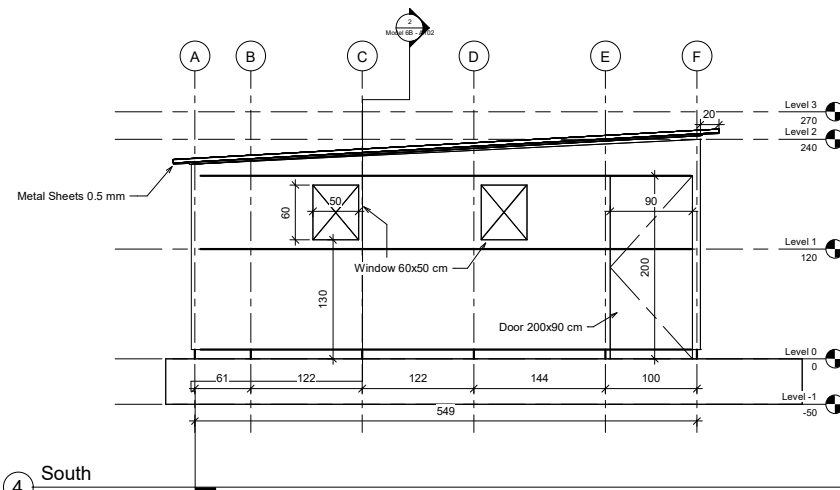
1 East  
1 : 25




2 North  
1 : 25

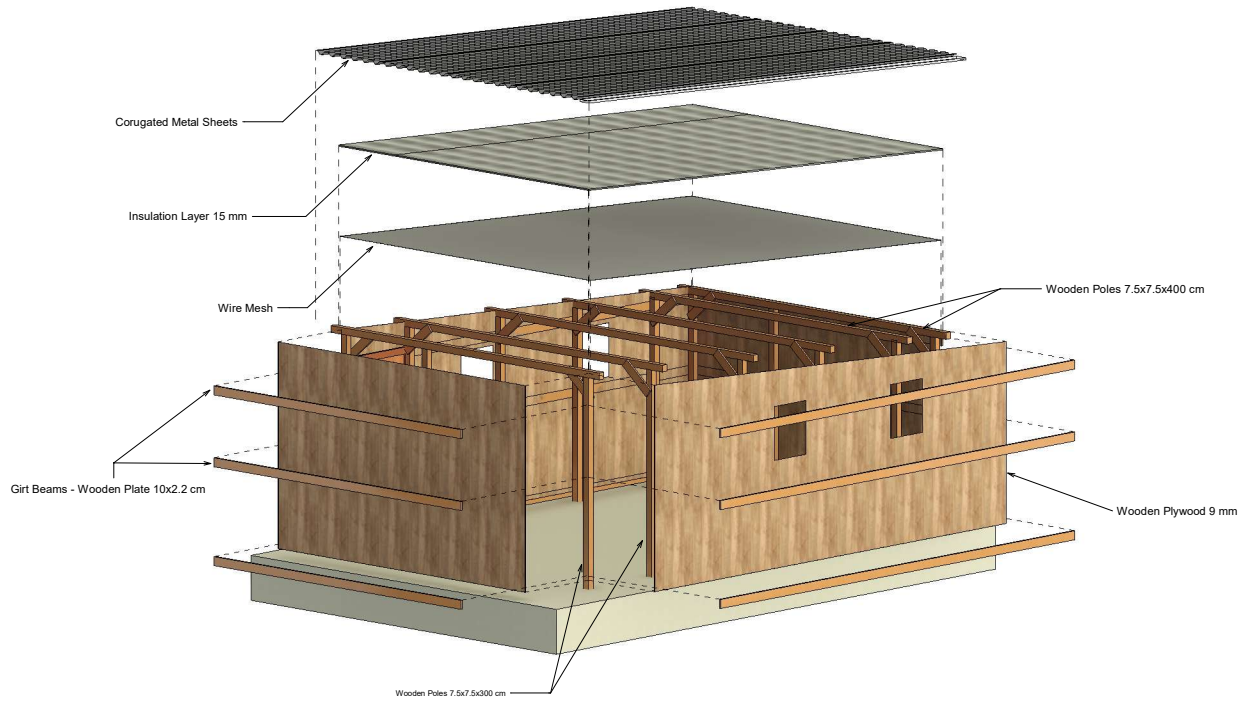


3 West  
1 : 25

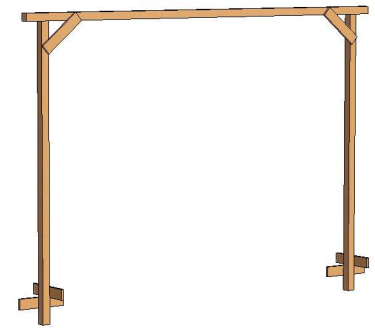


4 South  
1 : 25

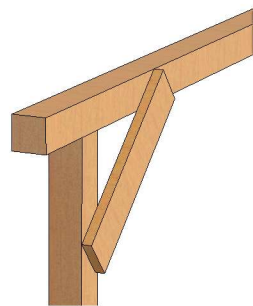
 YEMEN SHELTER CLUSTER Coordinating Resettlement Shelters and Settlements <a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
Elevations	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 6B - A104</b>	
Scale	1 : 25



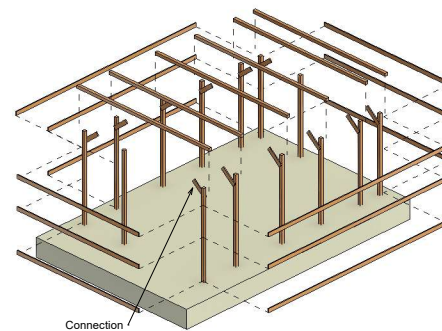
① 3D View (Parts)




④ 3D View for Frame



③ 3D View for Connection



② 3D View (Parts) Structural

 <small>Covering the most vulnerable shelters and settlements</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
3D Views (Parts)	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6B - A105</b>	
Scale	

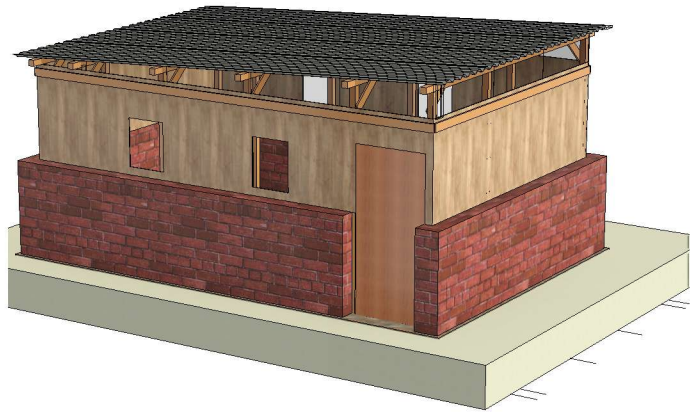


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 6C – Inclined Roof Transitional Shelter (Mud Wall–Hot Areas)

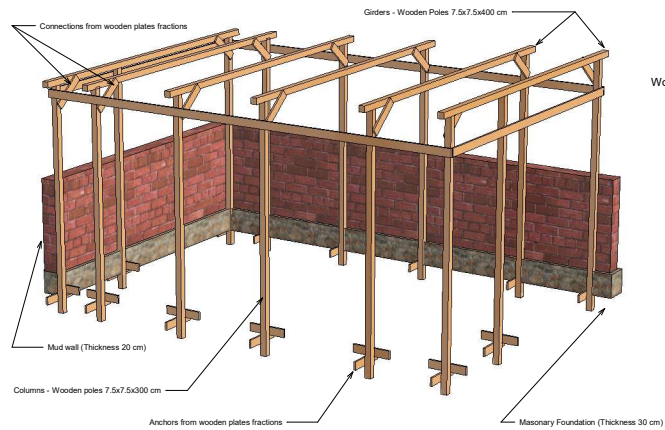




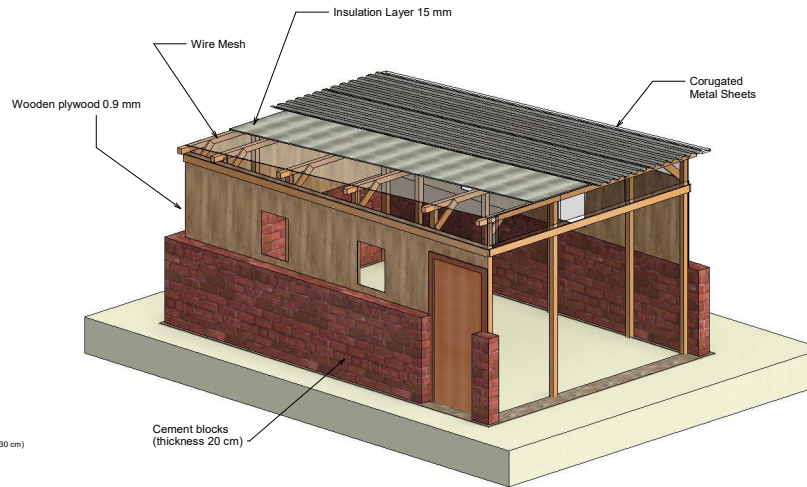
① 3D View from Outside




② 3D View from Inside

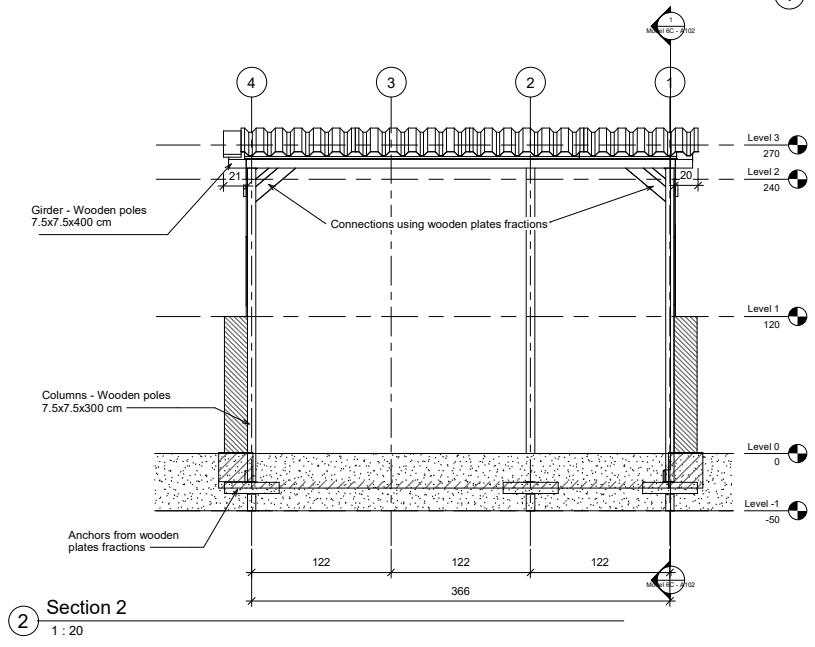
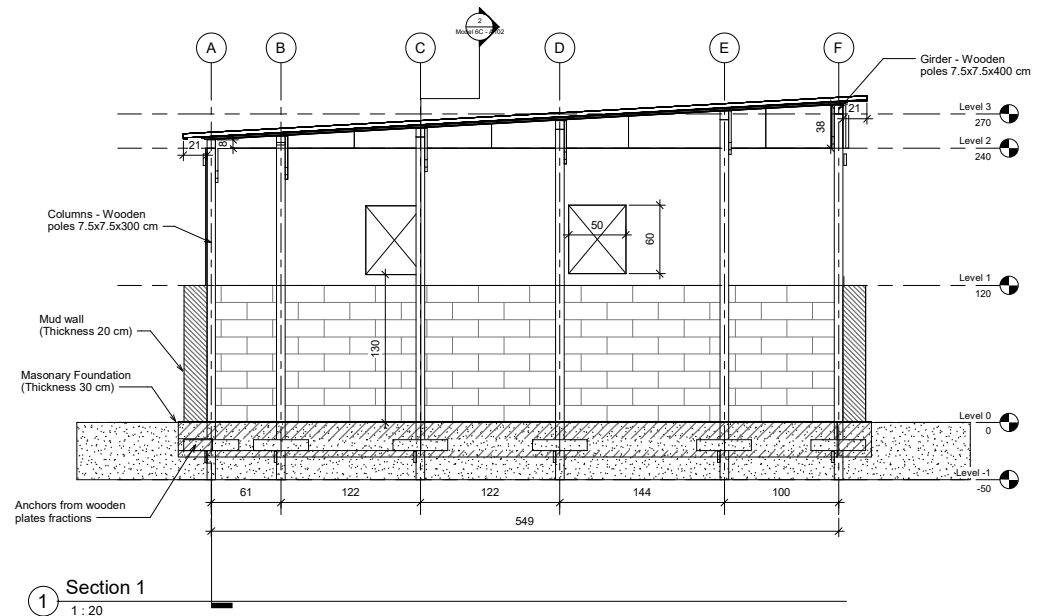



③ 3D View for Structure



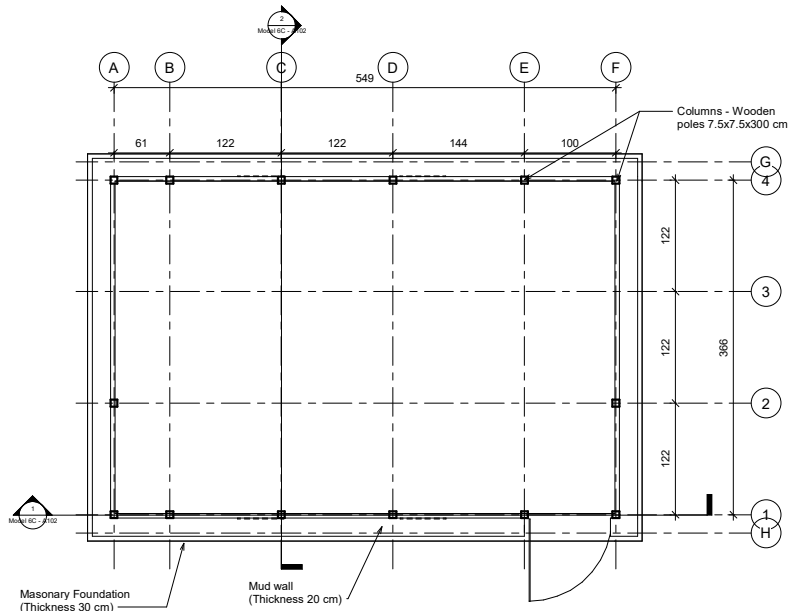
④ 3D View for Shell

 <small>Covering the Unaccompanied Shelter and Settlements</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>3D Views</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6C - A101</b>	
Scale	

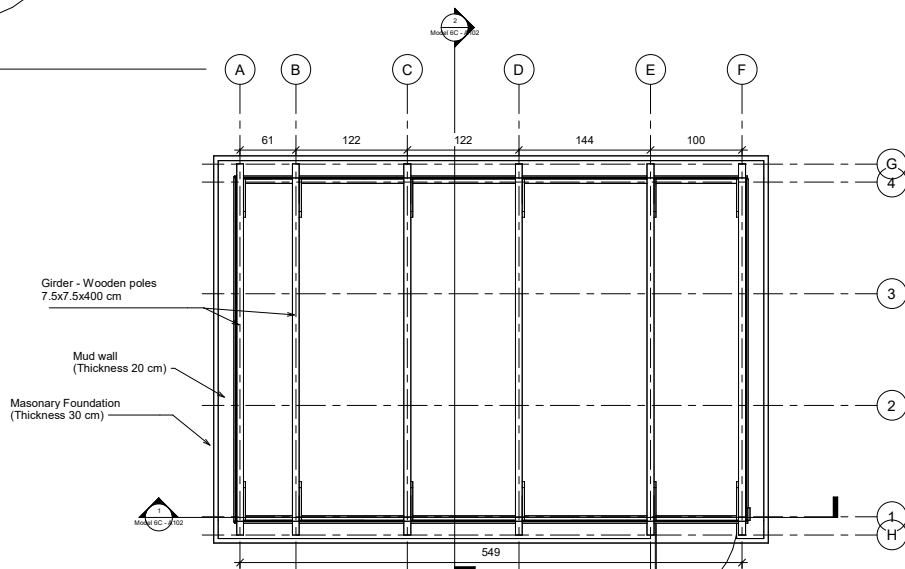


 YEMEN SHELTER CLUSTER Covaaliddig HAWASHILBARA Shelters and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Sections</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6C - A102</b>	
Scale	1 : 20


10/31/2024, 12:53:58 PM



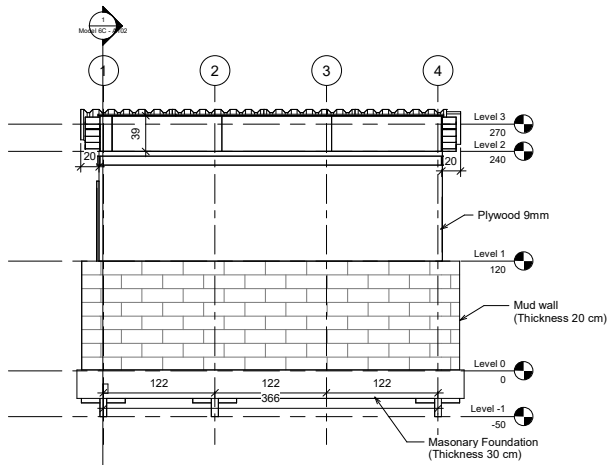
① Level 0  
1 : 25



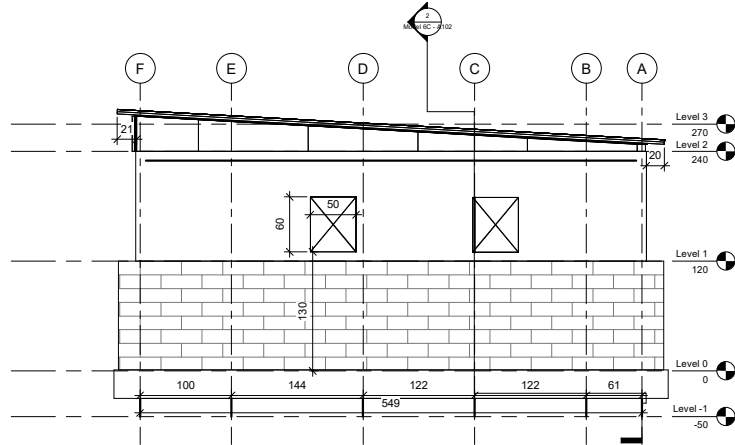
② Level 3  
1 : 25

 <p>www.sheltercluster.org/mena/yemen</p>	
<p><b>Inclined Roof Wooden Shelter</b></p>	
<p>Plans</p>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<p><b>Model 6C - A103</b></p>	
Scale	1 : 25

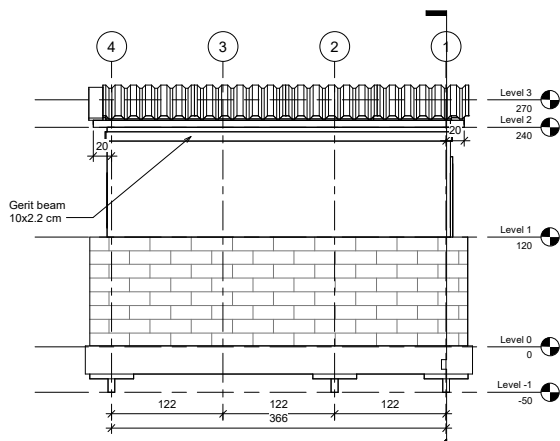
10/31/2024, 12:53:59 PM



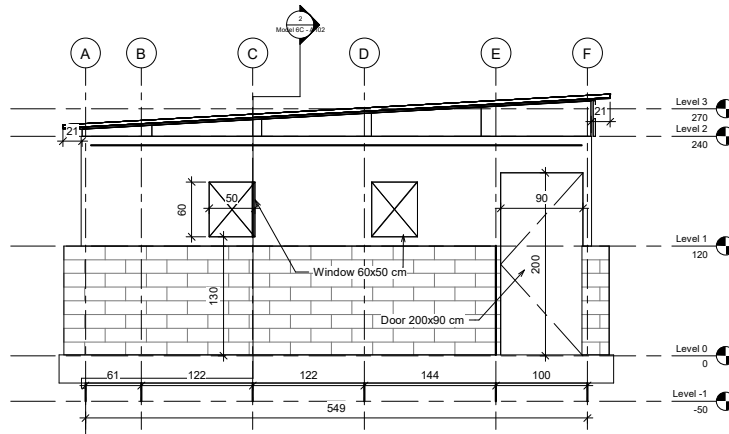
① East  
1 : 25




② North  
1 : 25



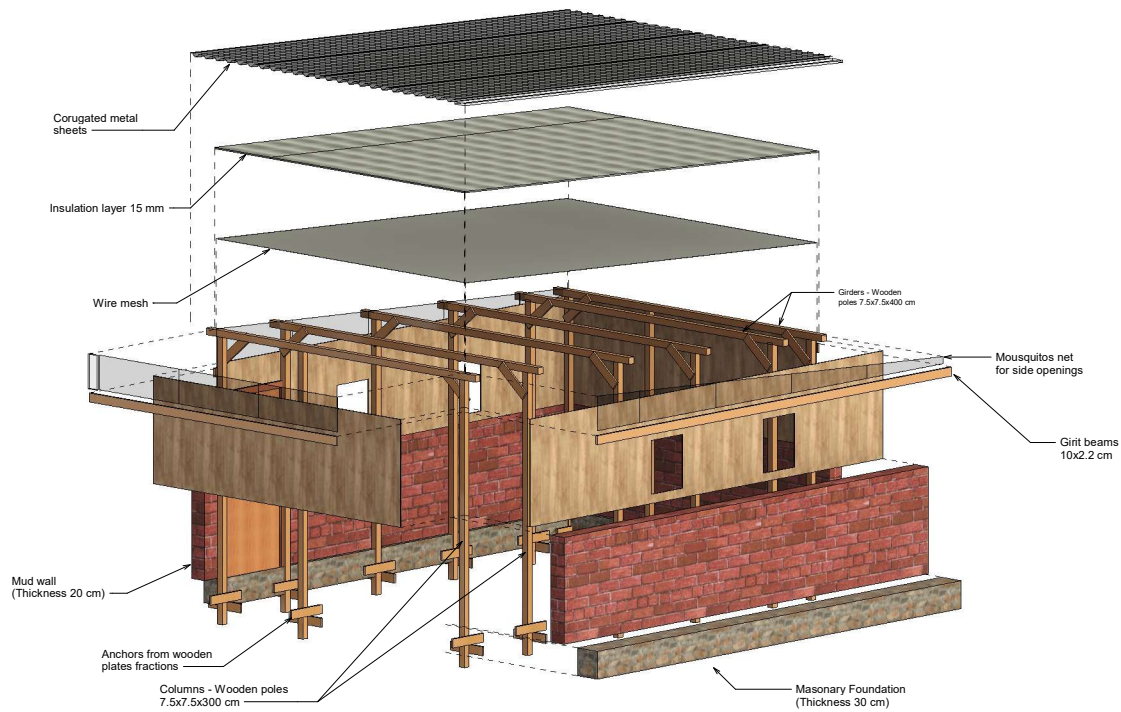
④ West  
1 : 25



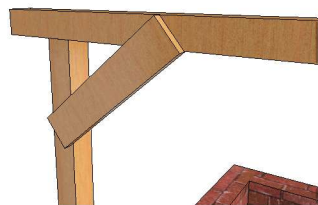
③ South  
1 : 25

 YEMEN SHELTER CLUSTER Covaalisting (Hawash) Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Elevations</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6C - A104</b>	
Scale	1 : 25

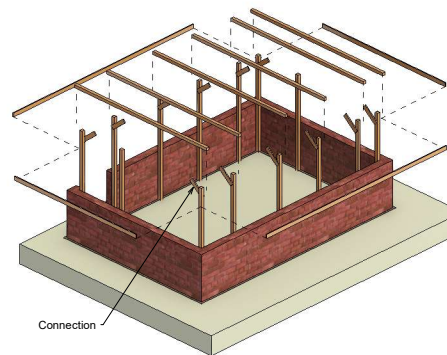
10/31/2024 12:54:01 PM



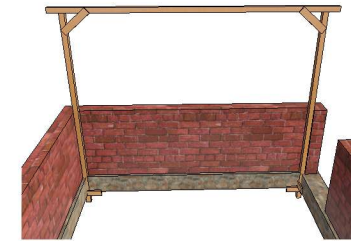
1 3D View (Parts)




3 3D View (Connection)



2 3D View (Parts) Structural

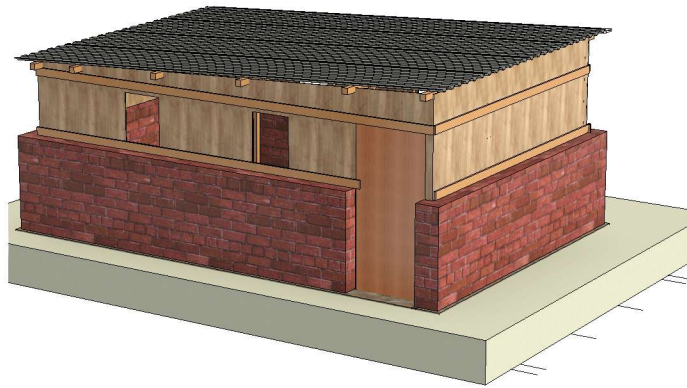


4 3D View (Frame)

 <small>Covering the needs of the most vulnerable shelter and settlement</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
3D Views (Parts)	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6C - A105</b>	
Scale	

## Model 6D – Inclined Roof Transitional Shelter (Mud Wall–Cold Areas)

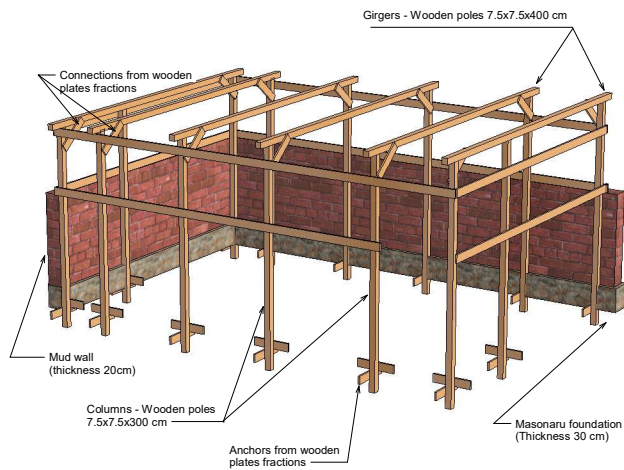




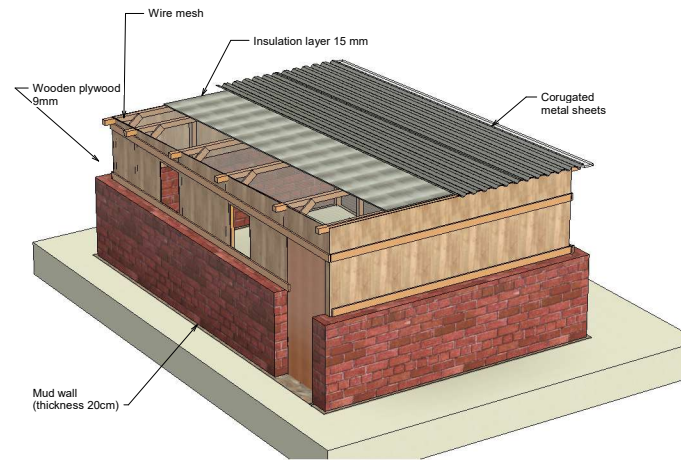
① 3D View from Outside




② 3D View from Inside



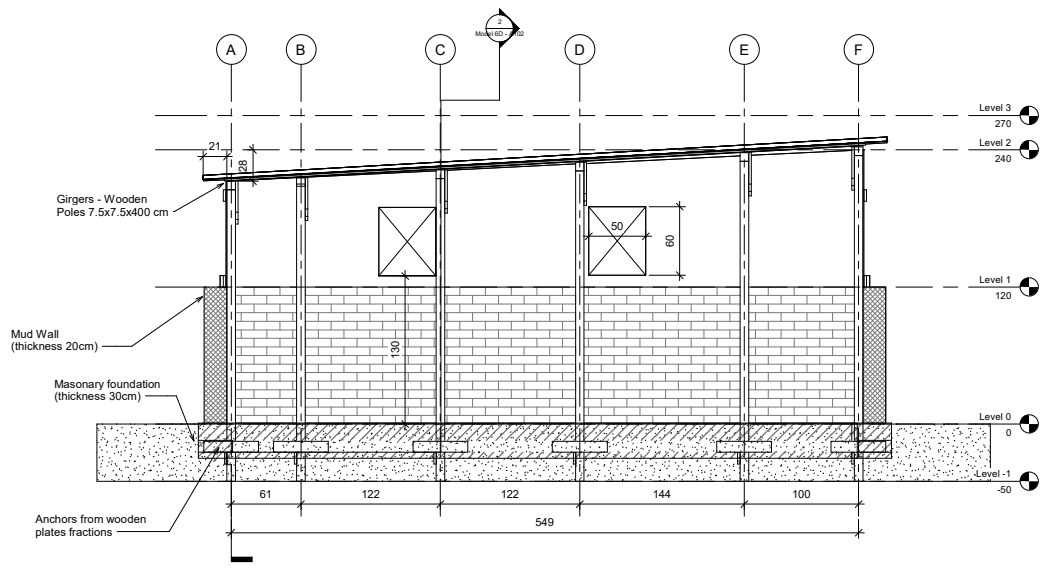
③ 3D View for Structure



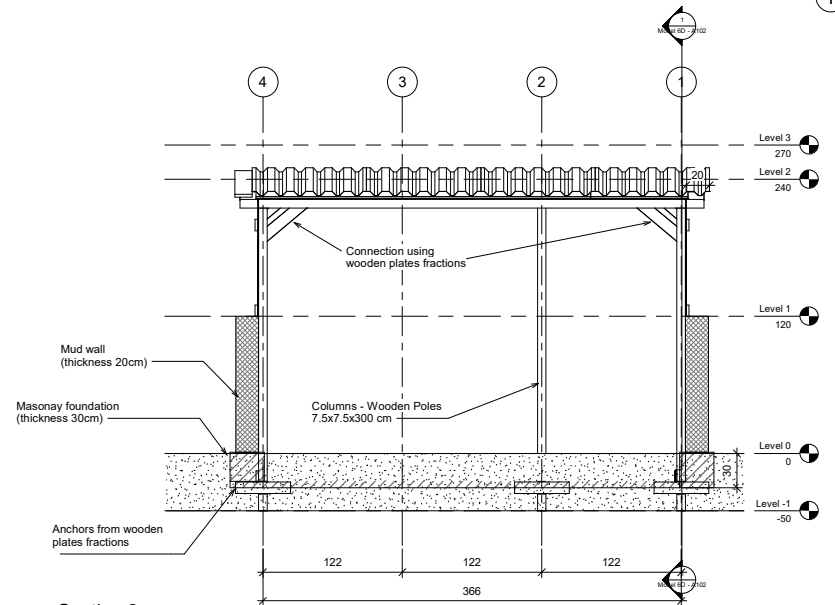
④ 3D View for Shell

 <p>www.sheltercluster.org/mena/yemen</p>	
<b>Inclined Roof Wooden Shelter</b>	
<b>3D Views</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6D - A101</b>	
Scale	


10/31/2024, 12:33:06 PM



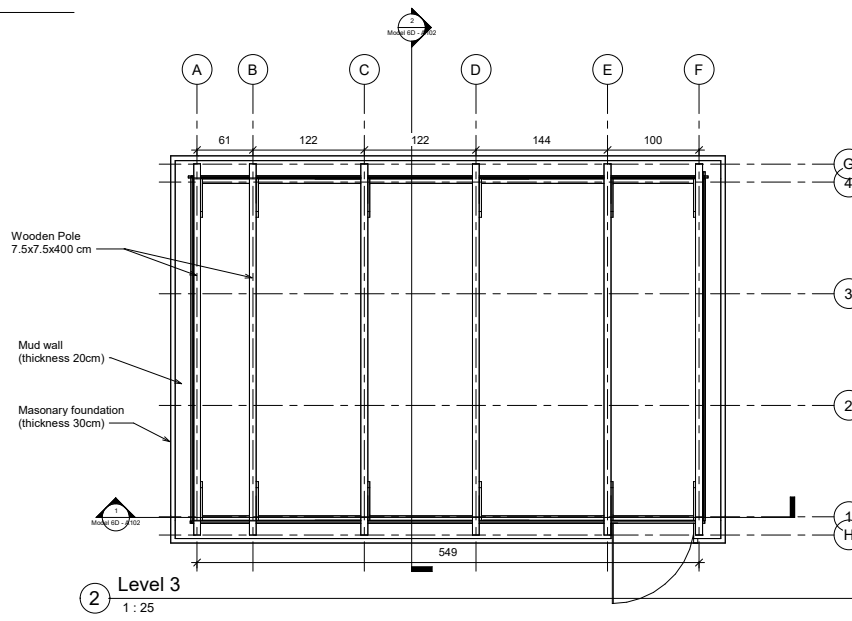
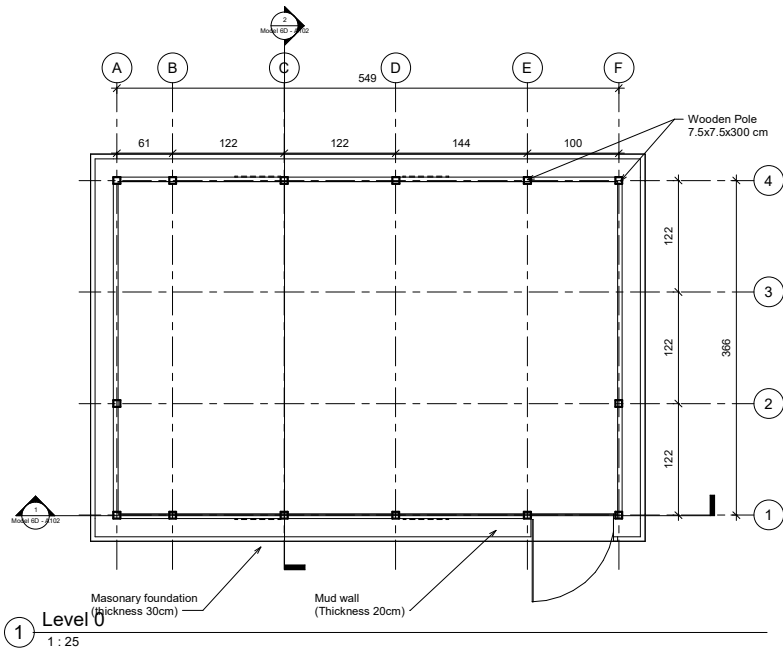
1 Section 1  
1 : 20




2 Section 2  
1 : 20

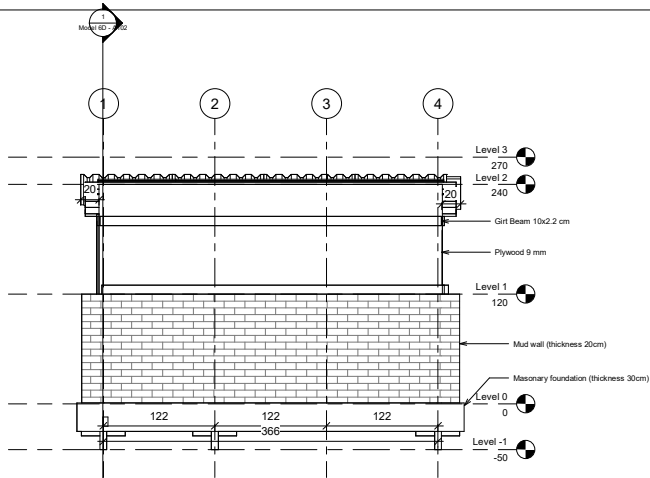
 YEMEN SHELTER CLUSTER Covaalidating Disaster Relief Shelters and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Sections</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6D - A102</b>	
Scale	1 : 20

10/31/2024 12:33:09 PM

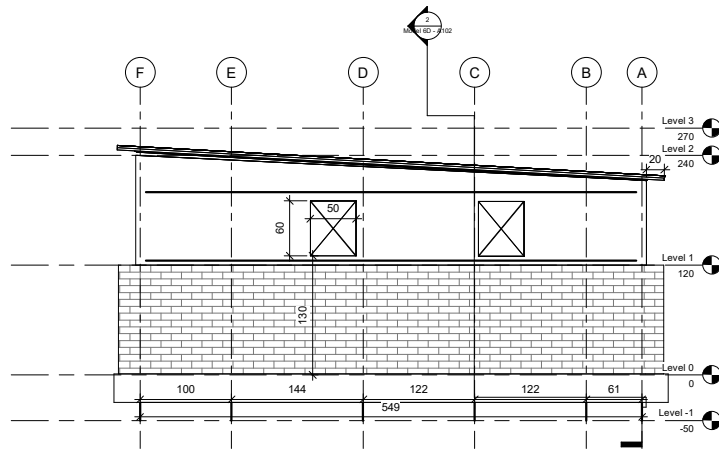


 YEMEN SHELTER CLUSTER Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
Plans	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6D - A103</b>	
Scale	1 : 25

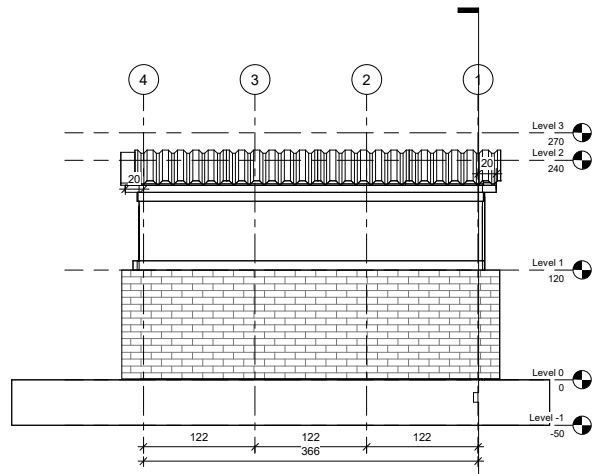
10/31/2024, 12:33:11 PM



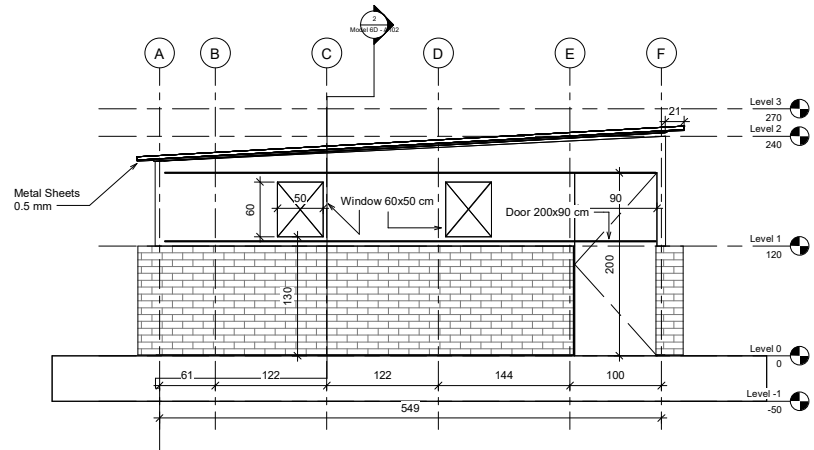
1 East  
1 : 25




2 North  
1 : 25



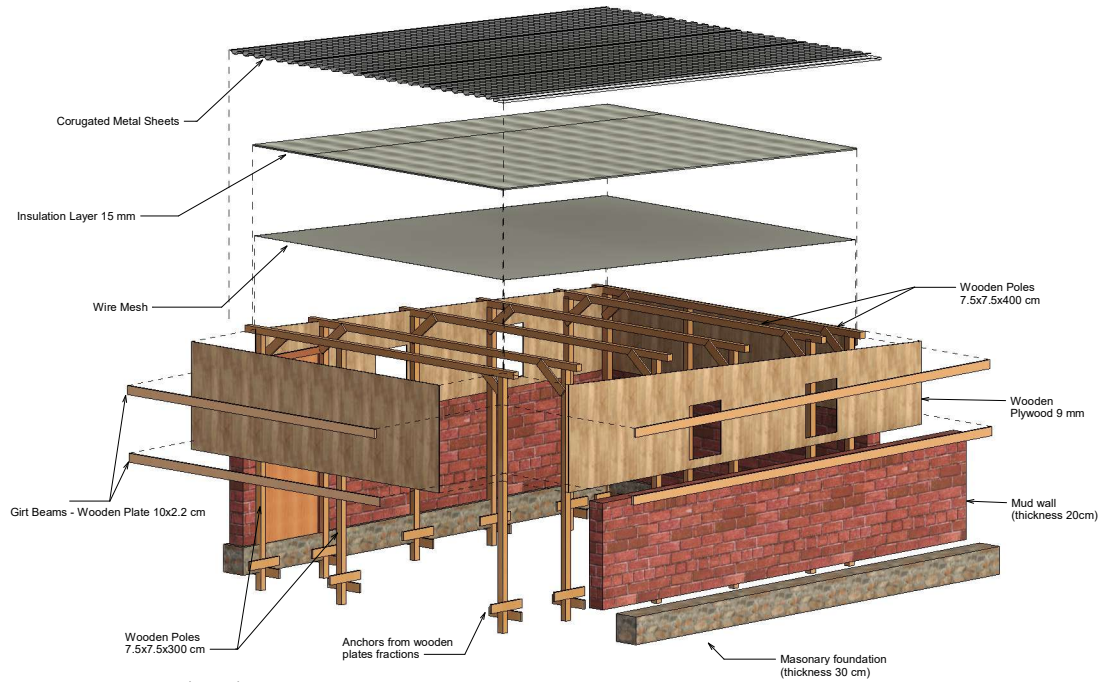
3 West  
1 : 25



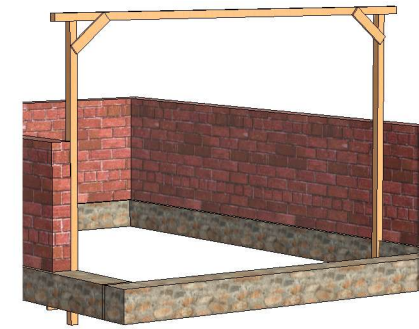
4 South  
1 : 25

 <b>YEMEN SHELTER CLUSTER</b> <small>Covering the most vulnerable shelters and beneficiaries</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Elevations</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6D - A104</b>	
Scale	1 : 25

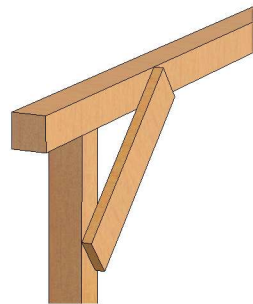
10/31/2024, 12:33:14 PM



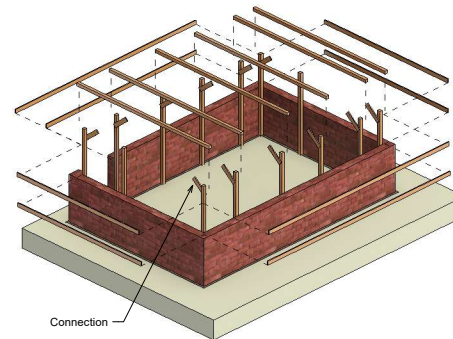
1 3D View (Parts)



4 3D View for Frame



3 3D View for Connection



2 3D View (Parts) Structural



[www.sheltercluster.org/mena/yemen](http://www.sheltercluster.org/mena/yemen)

Inclined Roof Wooden Shelter

3D Views (Parts)

Project number 0001

Date 13-3-2024

Drawn by Aiman Zoraiky

Checked by Shelter TWIG

Model 6D - A105

Scale

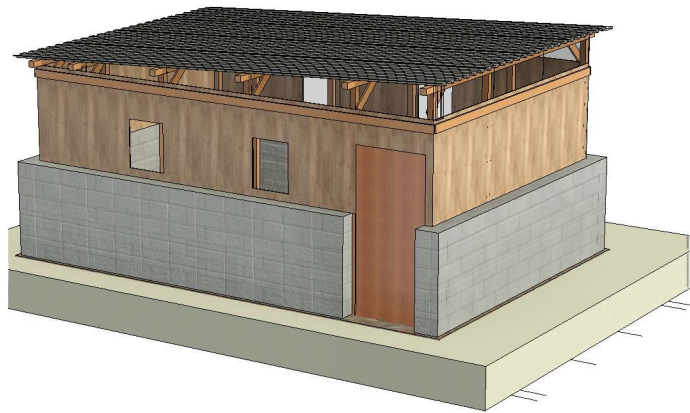


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 6E – Inclined Roof Transitional Shelter (Block Wall–Hot Areas)

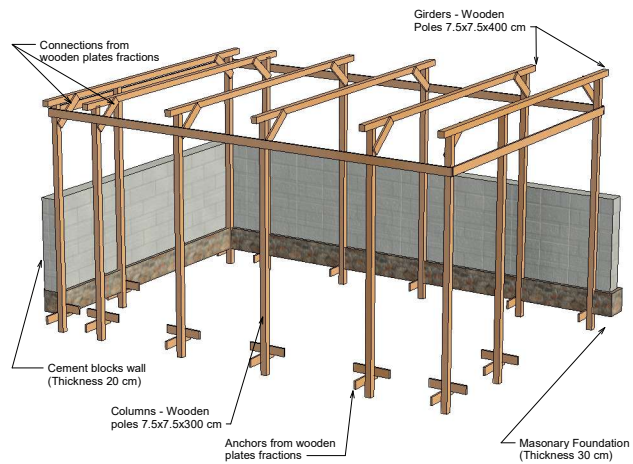




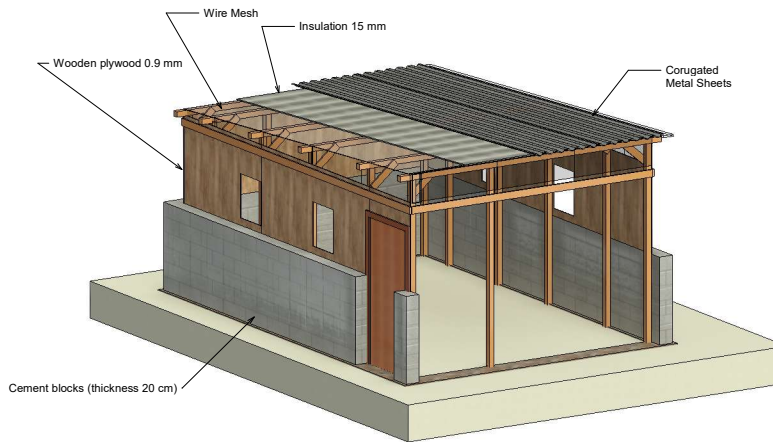
① 3D View from Outside




② 3D View from Inside

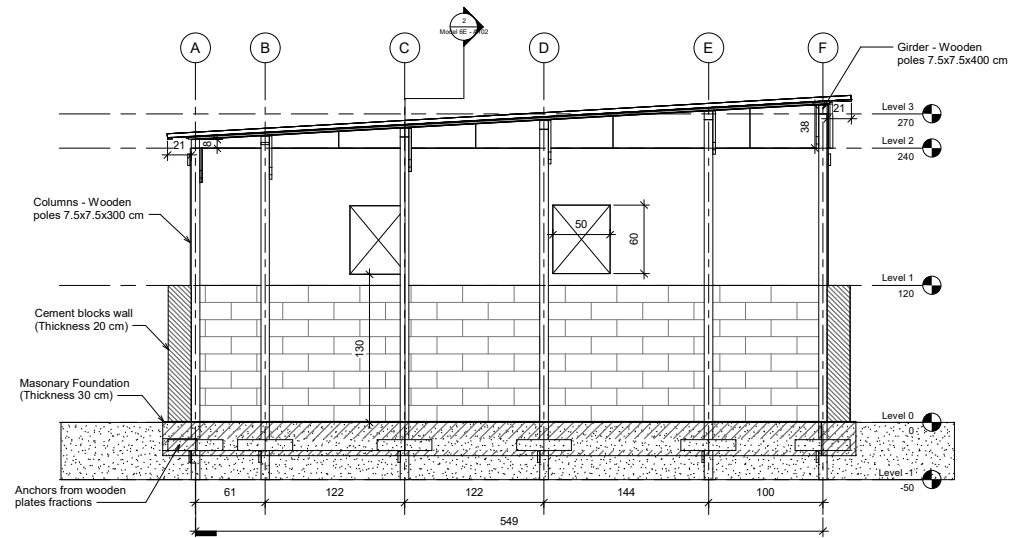


③ 3D View for Structure

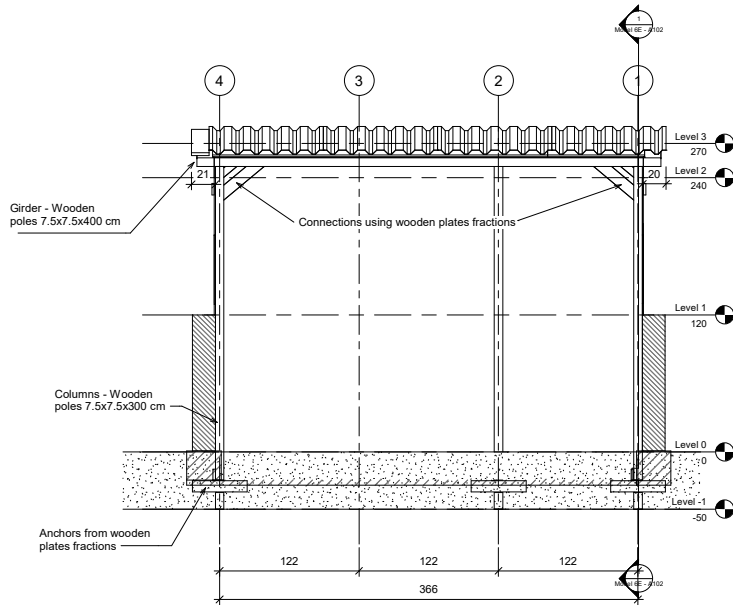


④ 3D View for Shell


 YEMEN SHELTER CLUSTER Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
3D Views	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6E - A101</b>	
Scale	

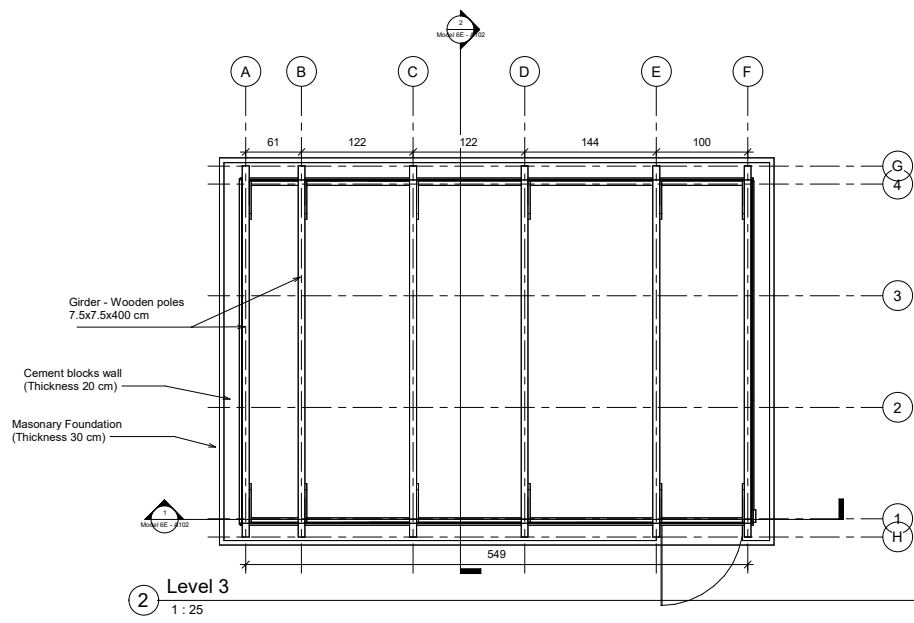
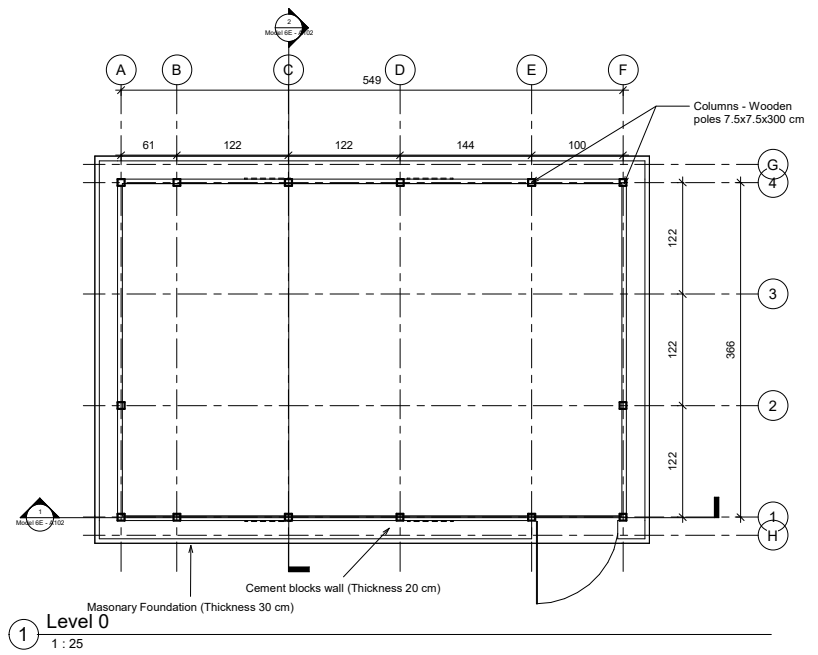



① Section 1  
1 : 20



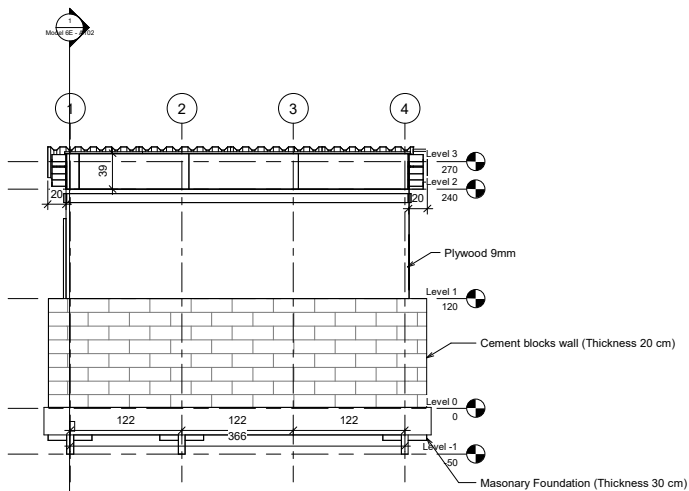
② Section 2  
1 : 20

 YEMEN SHELTER CLUSTER Covaalnting Hwaawalbaraka Shaltes and Setfikerawala	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Sections</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 6E - A102</b>	
Scale	1 : 20

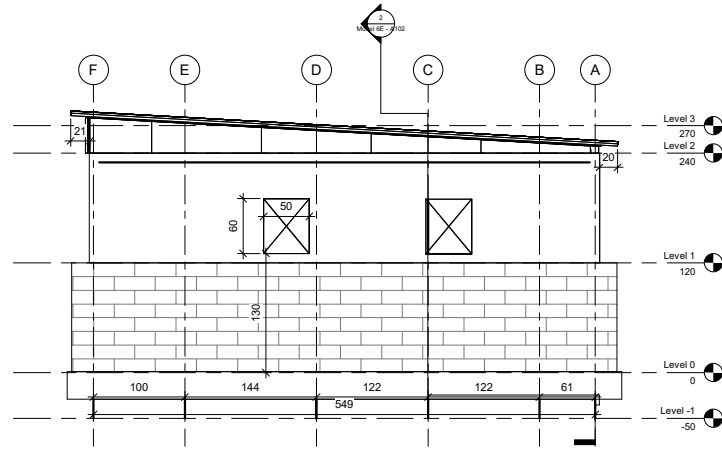


 <p>www.sheltercluster.org/mena/yemen</p>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Plans</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6E - A103</b>	
Scale	1 : 25

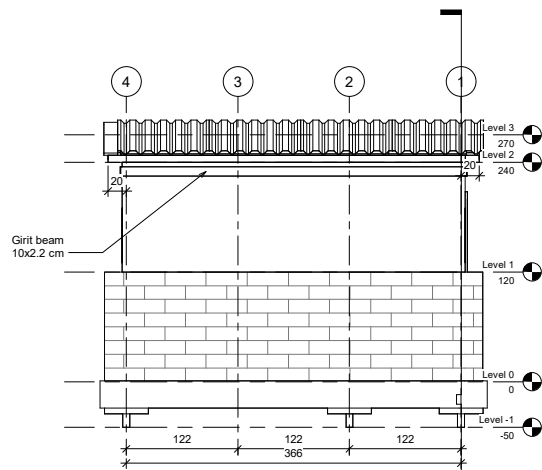
11/5/2024 9:12:10 AM



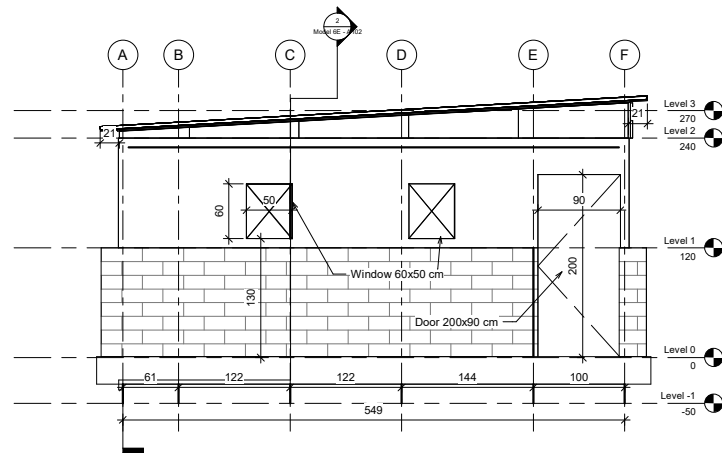
① East  
1 : 25



② North  
1 : 25

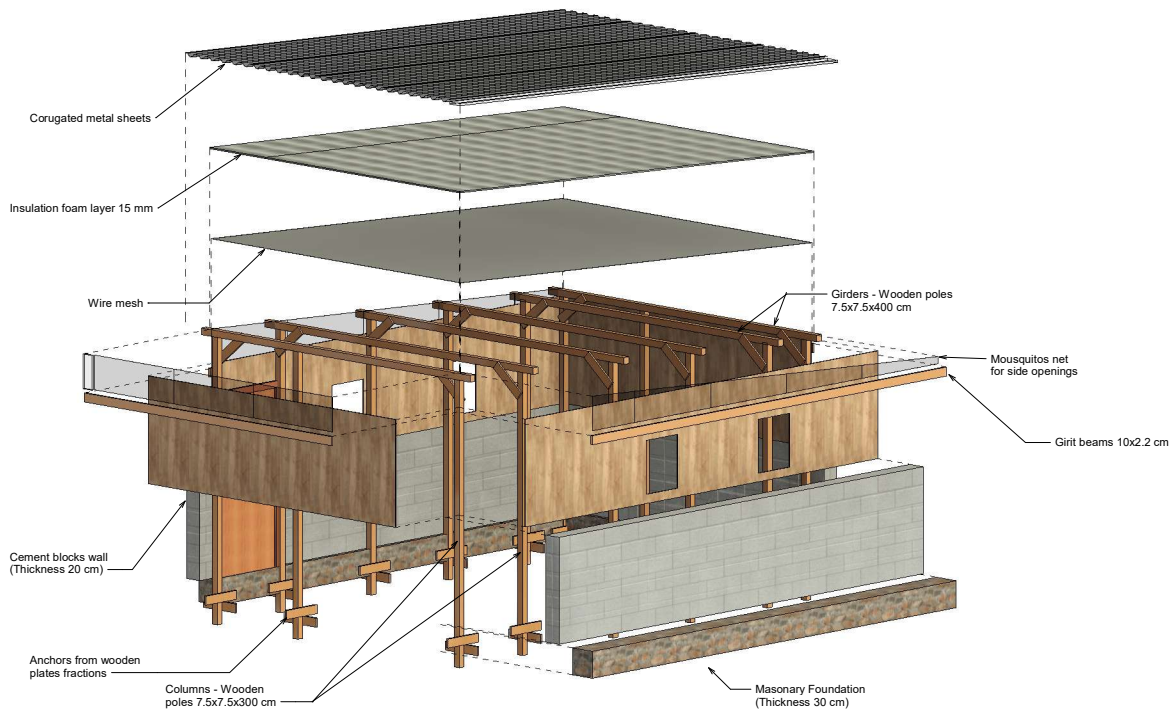


④ West  
1 : 25

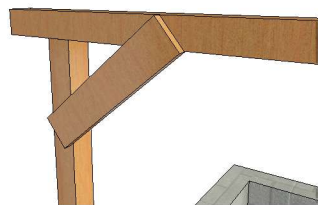


③ South  
1 : 25

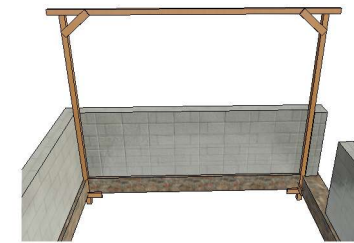
 Yemen Shelter Cluster Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Elevations</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6E - A104</b>	
Scale	1 : 25



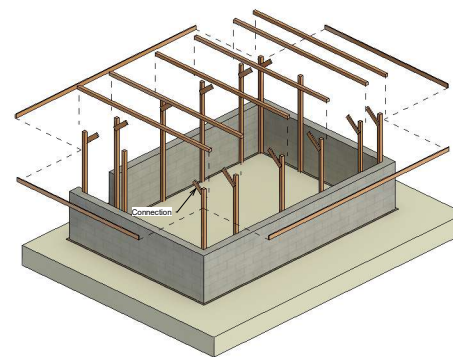
1 3D View (Parts)




3 3D View (Connection)



4 3D View (Frame)



2 3D View (Parts) Structural

 <small>Covering the needs of the sheltered and displaced</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
3D Views (Parts)	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6E - A105</b>	
Scale	



# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 6F – Inclined Roof Transitional Shelter (Block Wall–Cold Areas)

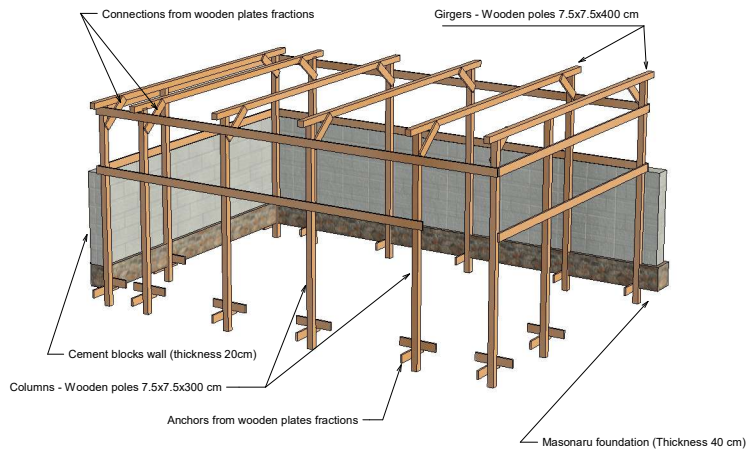




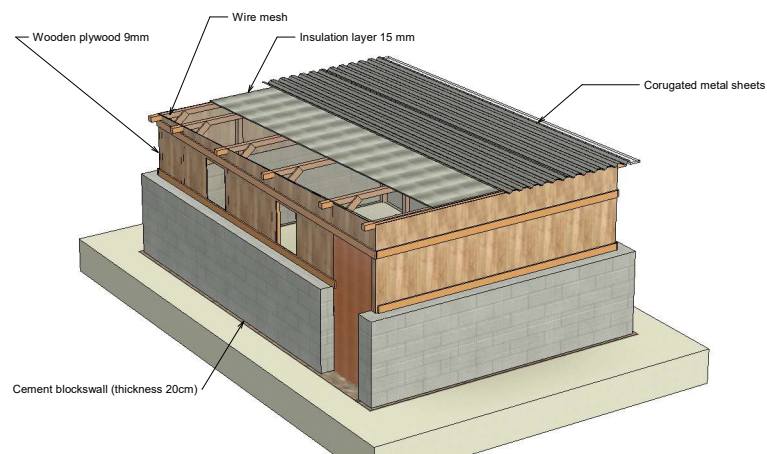
① 3D View from Outside




② 3D View from Inside



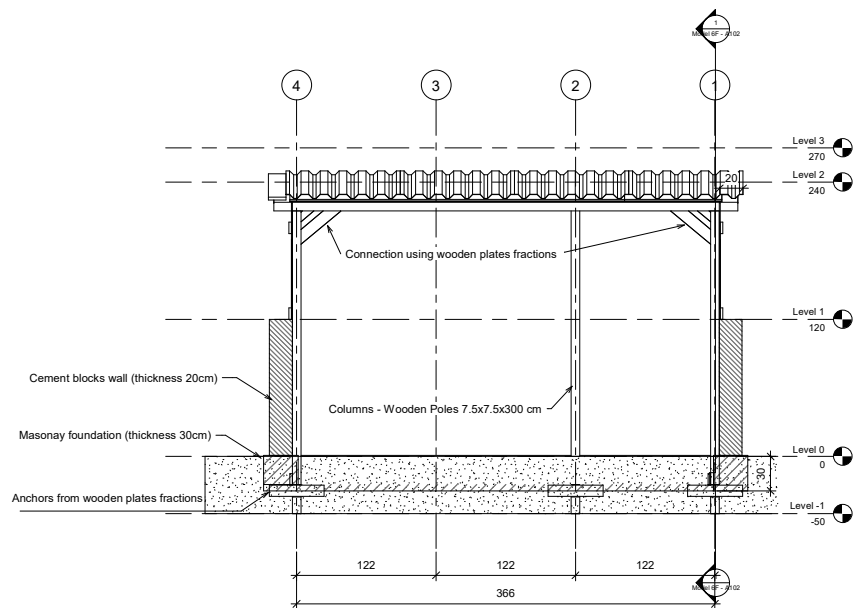
③ 3D View for Structure



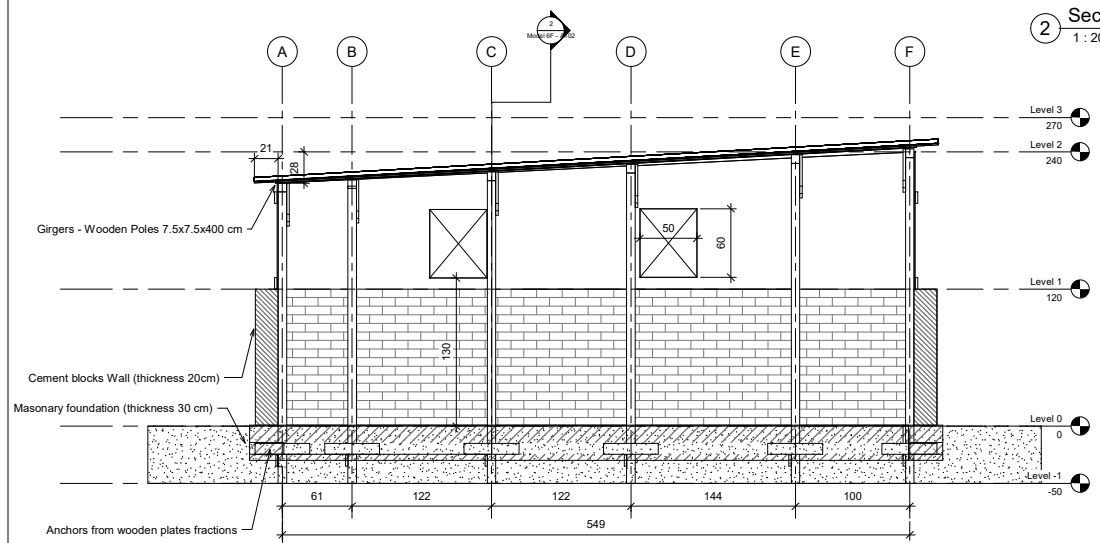
④ 3D View for Shell

 <small>Covering the needs of displaced people and host communities</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>3D Views</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6F - A101</b>	
Scale	


11/5/2024 9:19:45 AM



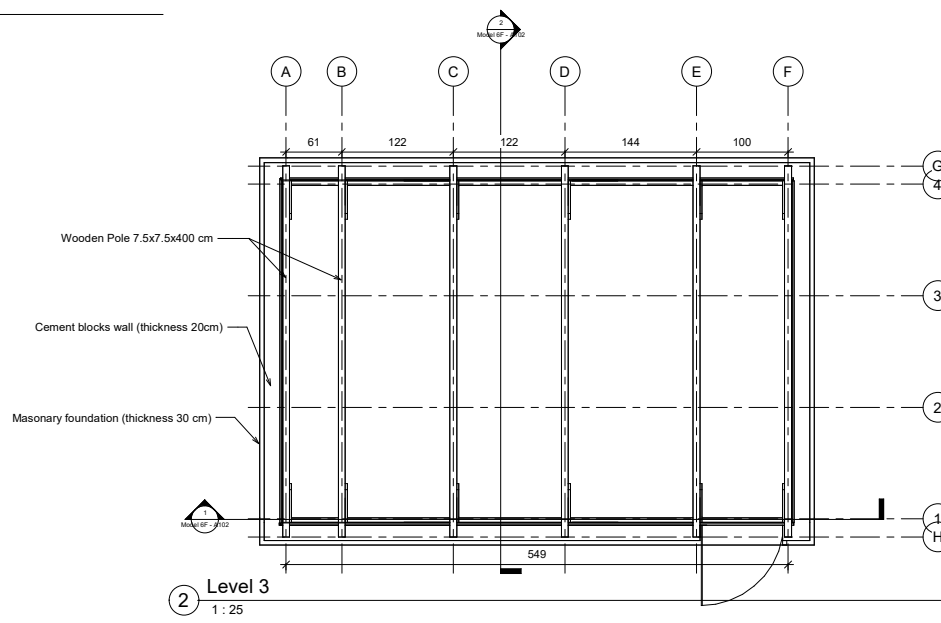
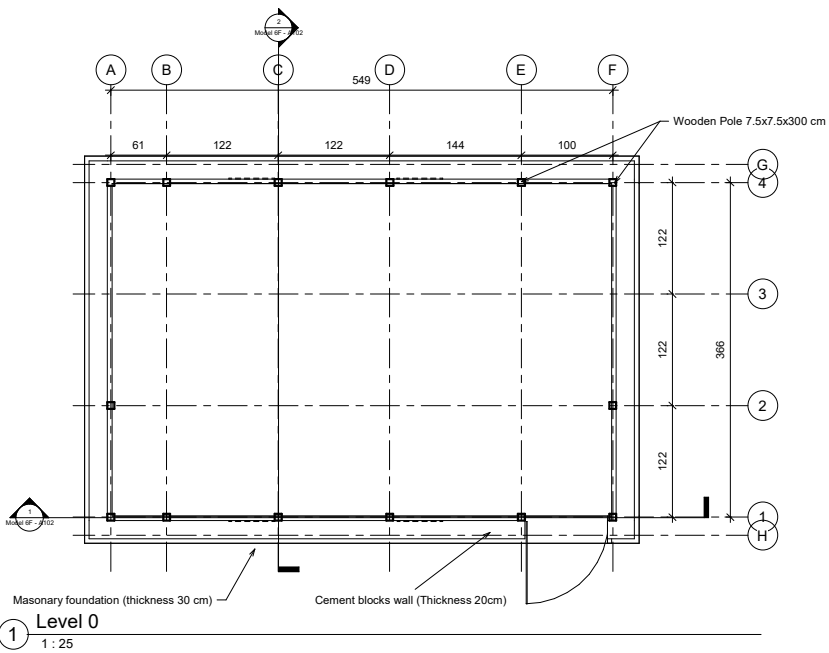
2 Section 2  
1 : 20




1 Section 1  
1 : 20

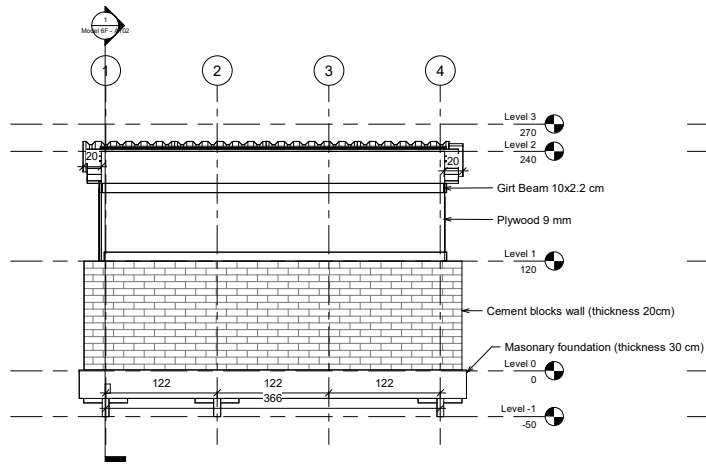
 YEMEN SHELLERCLUSTER Cusumal setting (Hawash) shelter and Settlements <a href="http://www.shellercluster.org/mena/yemen">www.shellercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Sections</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6F - A102</b>	
Scale	1 : 20

11/5/2024 9:19:47 AM

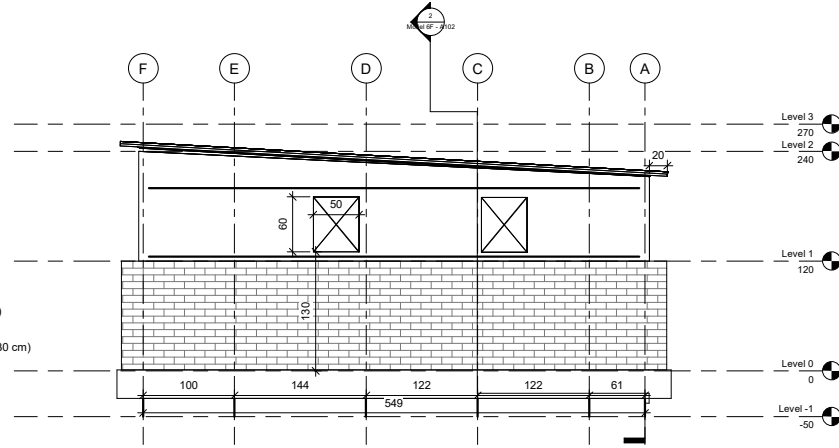


 <p>www.sheltercluster.org/mena/yemen</p>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Plans</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 6F - A103</b>	
Scale	1 : 25

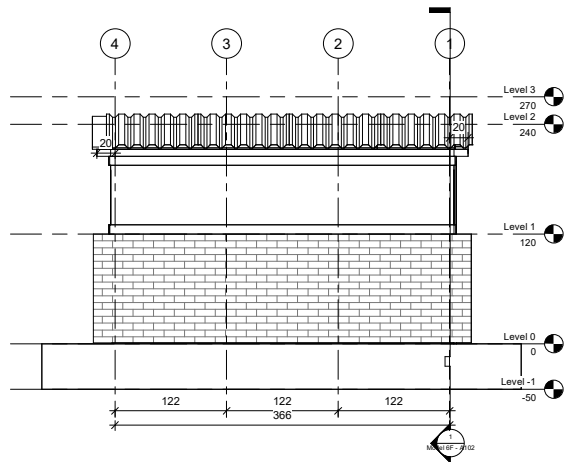
11/5/2024 9:19:49 AM



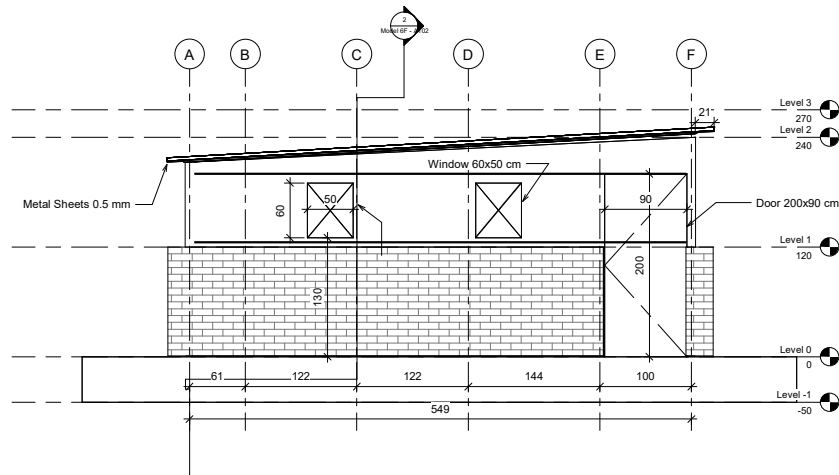
1 East  
1 : 25




2 North  
1 : 25



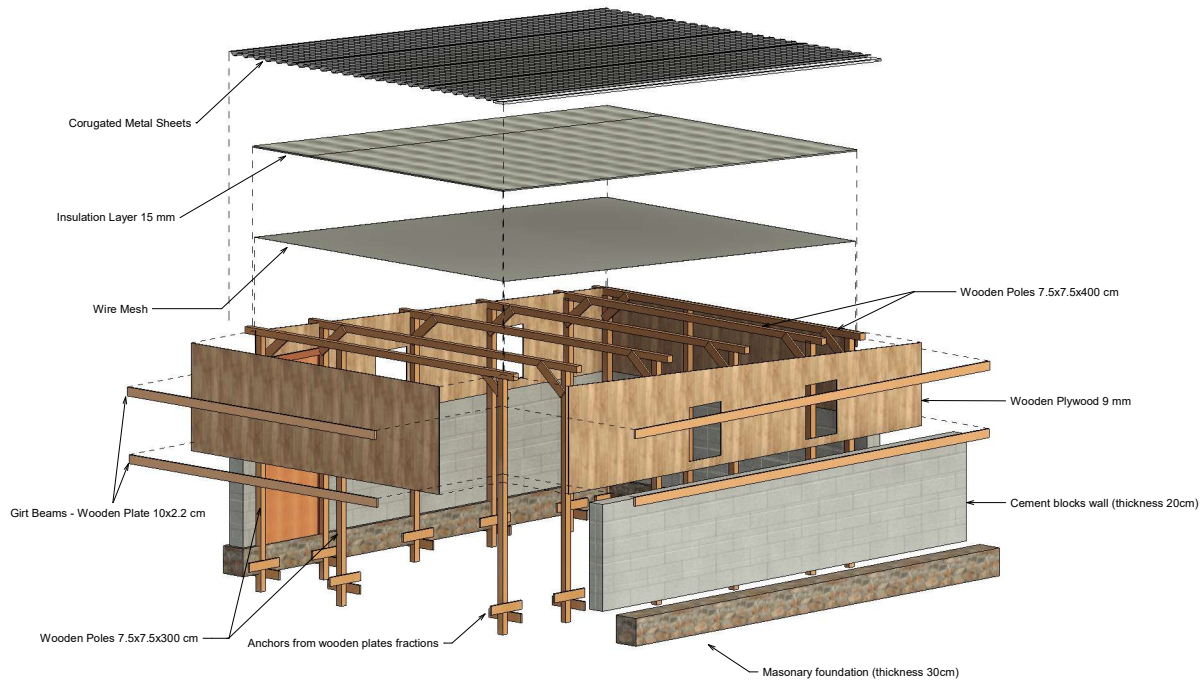
4 West  
1 : 25



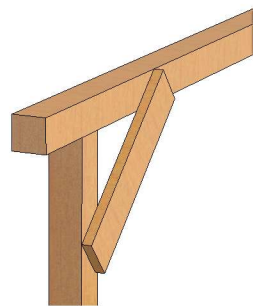
3 South  
1 : 25

 <b>YEMEN SHELTER CLUSTER</b> <small>Covering the Houthi-affected Shites and Settlers</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Inclined Roof Wooden Shelter</b>	
<b>Elevations</b>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 6F - A104</b>	
Scale	1 : 25

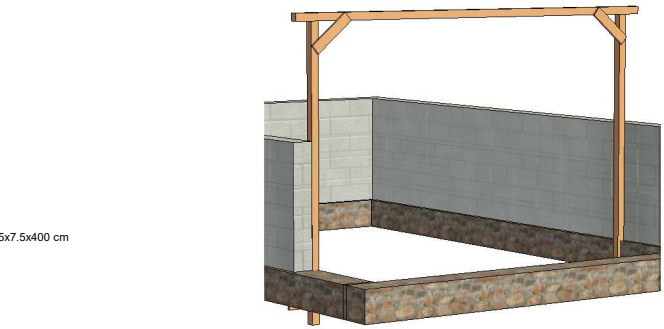
11/5/2024 9:19:50 AM



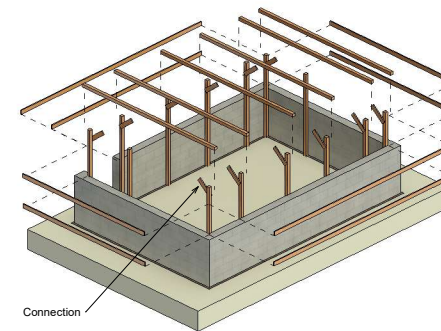
1 3D View (Parts)




3 3D View for Connection



4 3D View for Frame



2 3D View (Parts) Structural

 <p>www.sheltercluster.org/mena/yemen</p>	
<p>Inclined Roof Wooden Shelter</p>	
<p>3D Views (Parts)</p>	
Project number	0001
Date	13-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<p>Model 6F - A105</p>	
Scale	

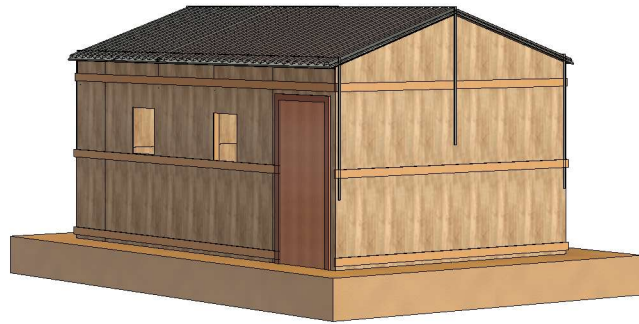


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 7A – Gabled Roof Transitional Shelter (Frame)

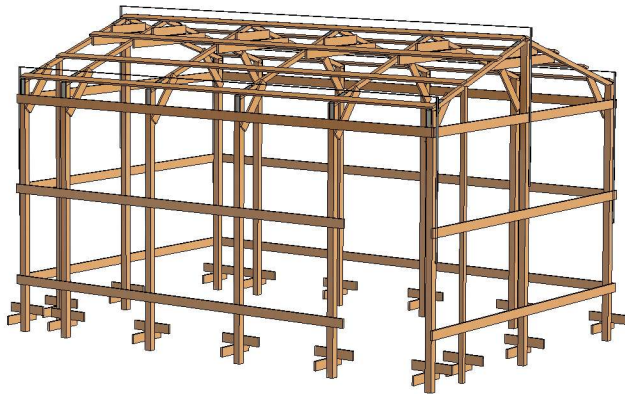




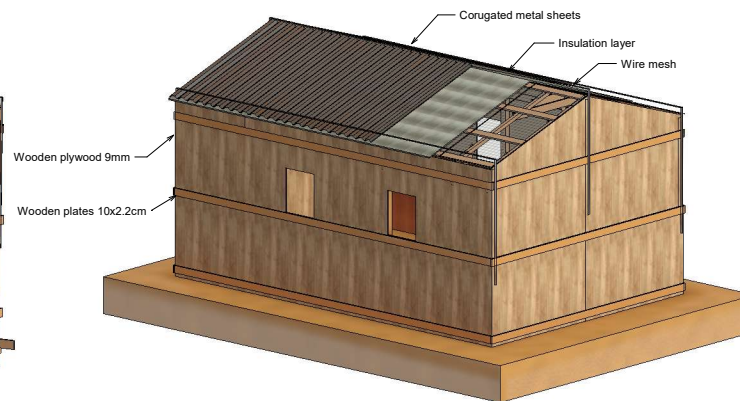
① 3D View from Outside




② 3D View from Inside

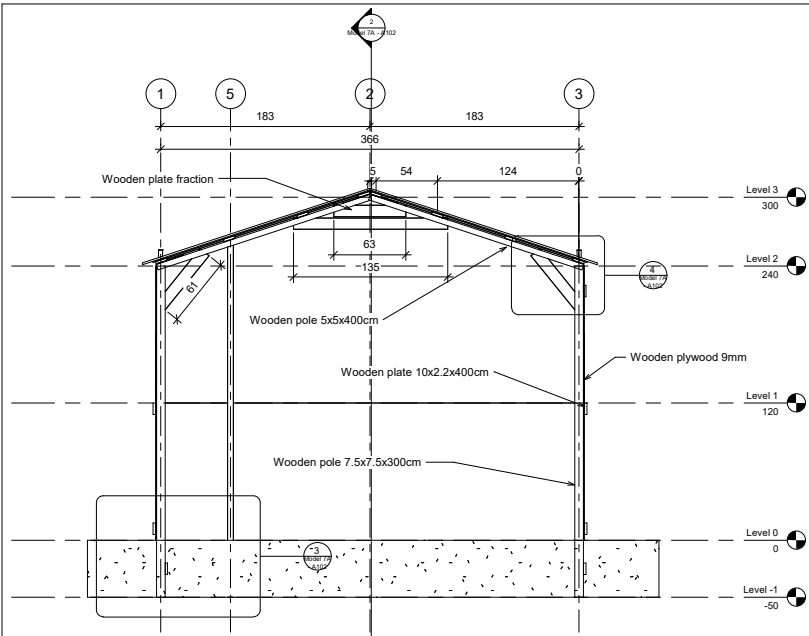


③ 3D View Structure

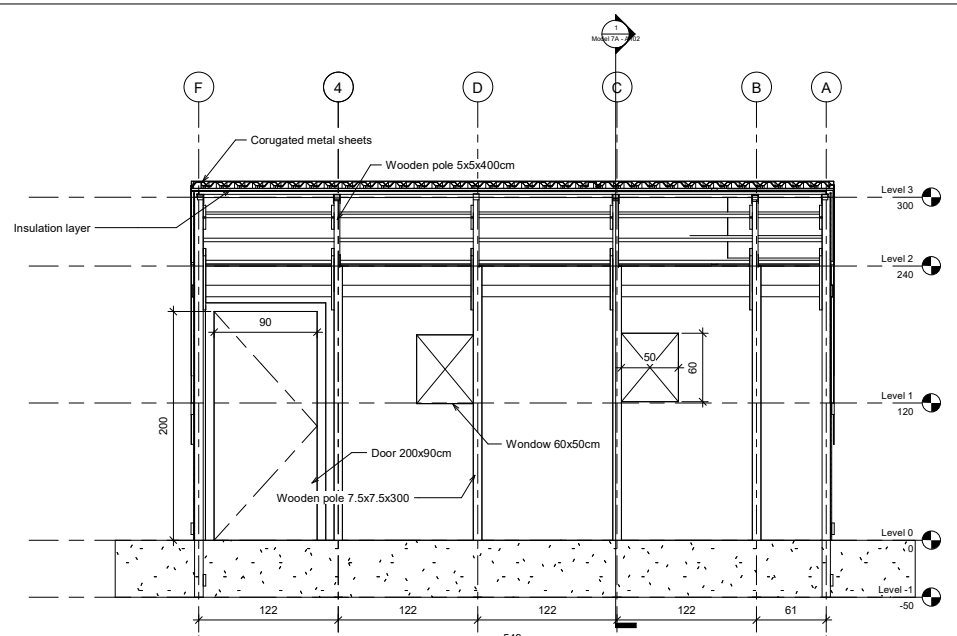


④ 3D View for Shell

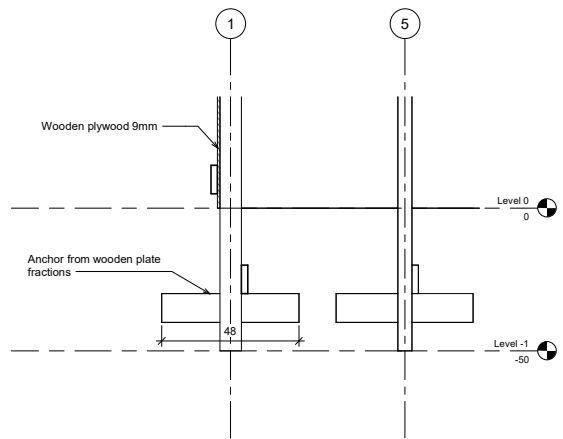
 <small>Covering the needs of displaced people and host communities</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Gabled Roof-Frame</b>	
<b>3D Views</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 7A - A101</b>	
Scale	



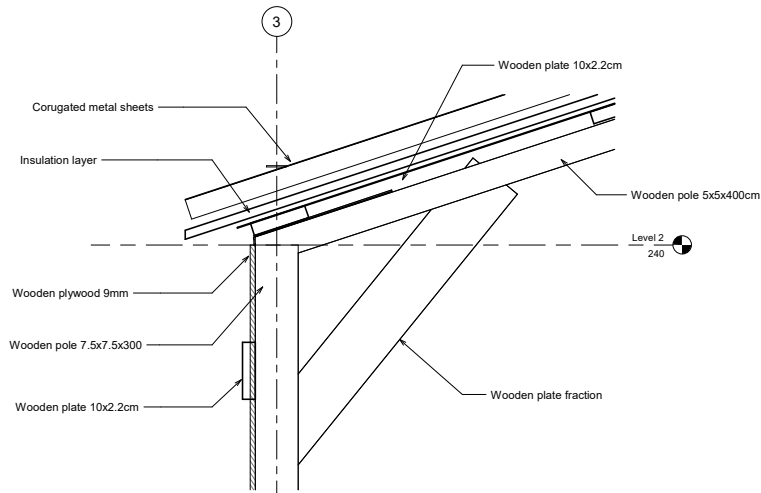
① Section 1  
1 : 20




② Section 2  
1 : 20

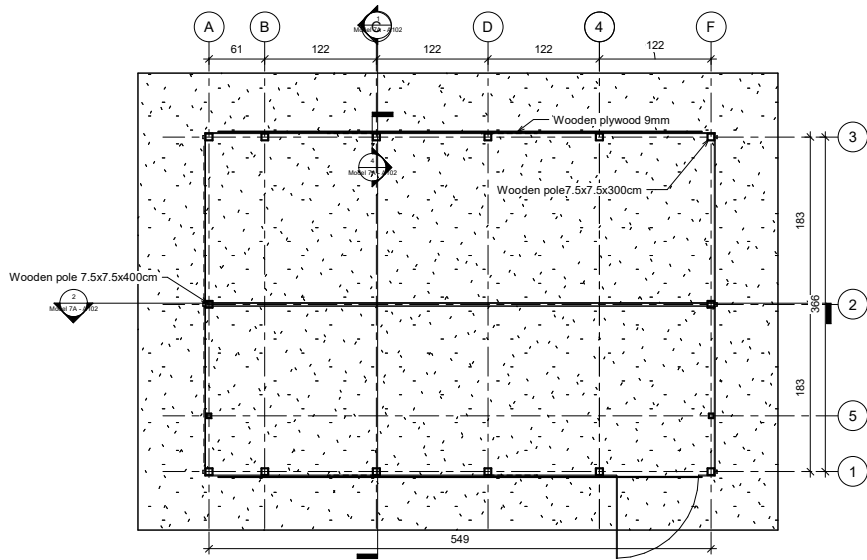


③ Section 1 - Callout 2  
1 : 8

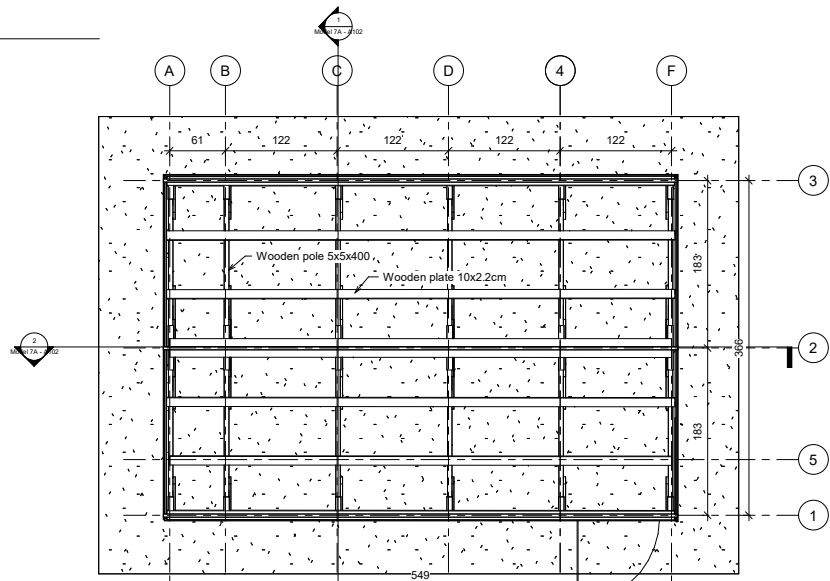


④ Section 1 - Callout 1  
1 : 4


 YEMEN SHELTER CLUSTER Covaalisting (Hawash) Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Gabled Roof-Frame</b>	
<b>Sections</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 7A - A102</b>	
Scale	As indicated



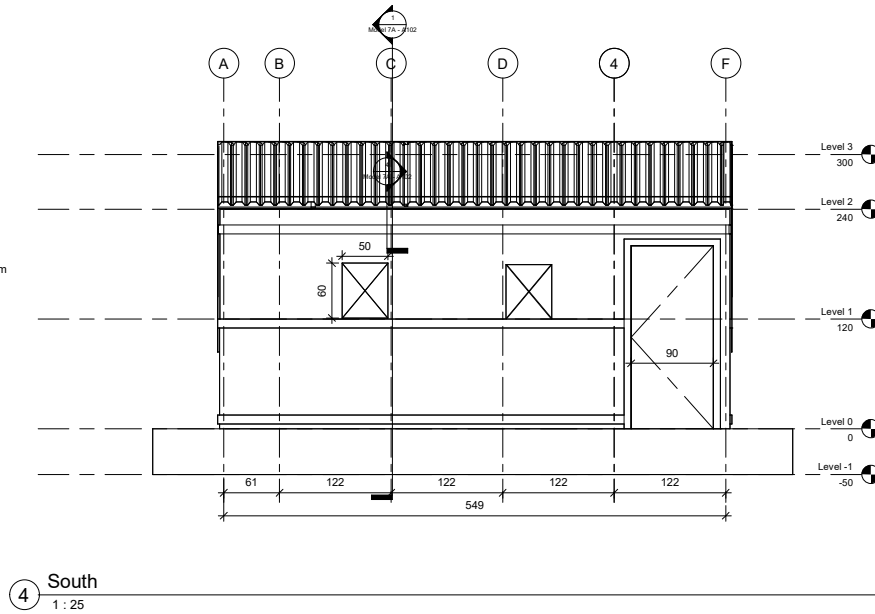
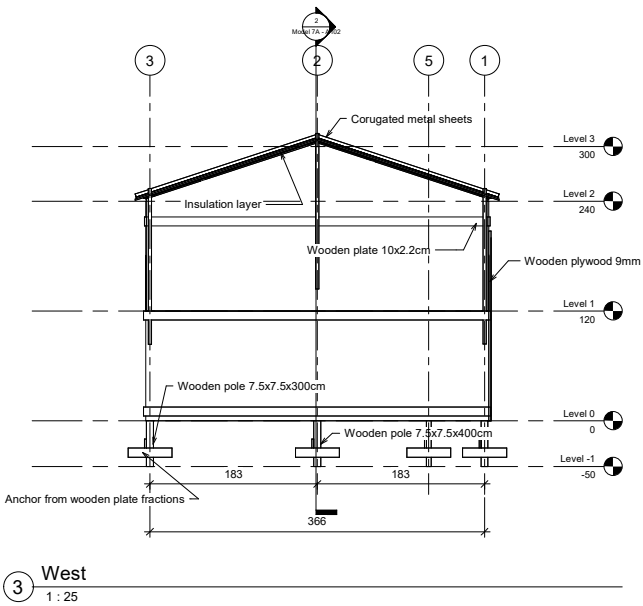
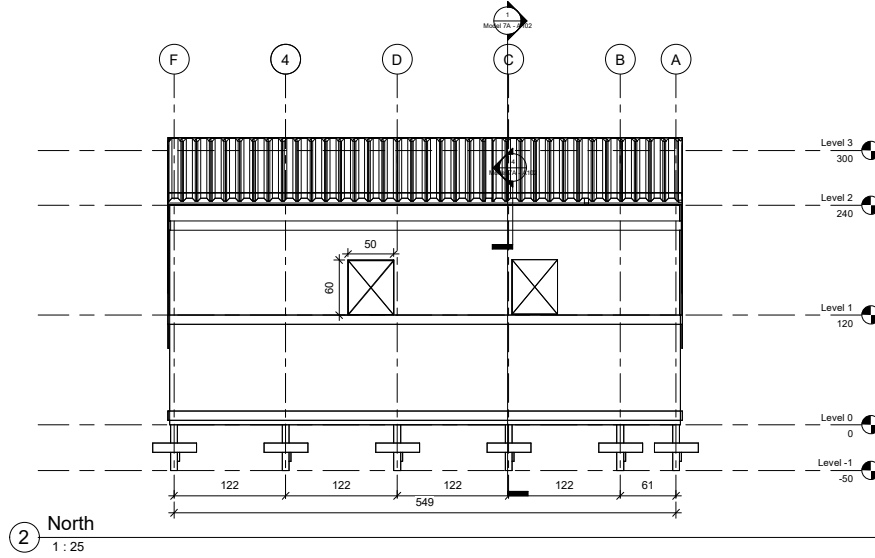
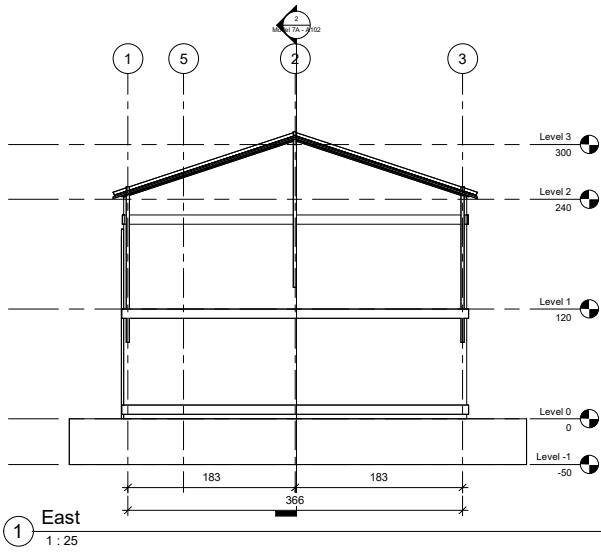
① Level 0  
1 : 25




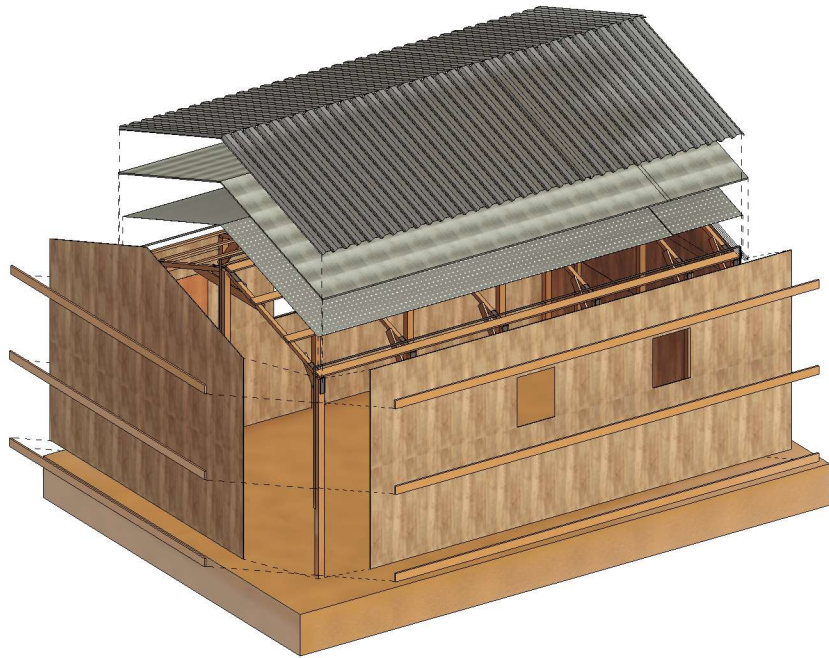
② Level 3  
1 : 25

 YEMEN SHELTER CLUSTER Covaalstelling (Hoeveelheid) van Shelters and Selfkerende	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Gabled Roof-Frame</b>	
<b>Plans</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 7A - A103</b>	
Scale	1 : 25

11/4/2024 21:7:14 PM



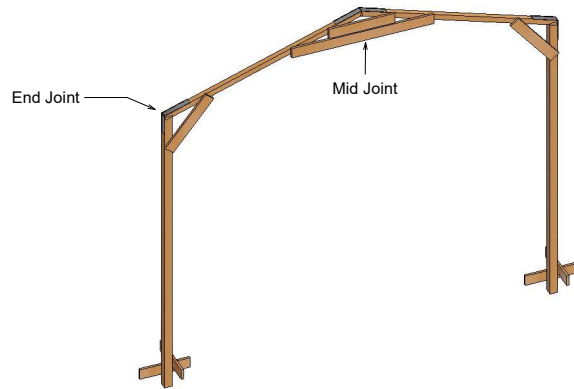
 YEMEN SHELTER CLUSTER Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Gabled Roof-Frame</b>	
Elevation	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 7A - A104</b>	
Scale	1 : 25



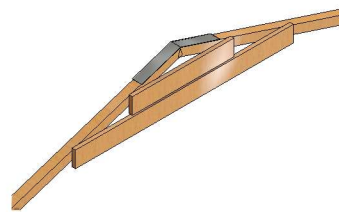
① 3D Views Parts



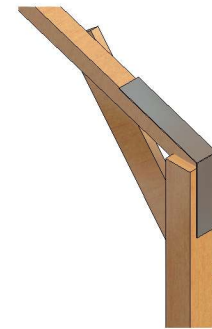
② 3D Views Parts Structural




③ 3D Frame



④ 3D Frame Detail1-Mid Joint



⑤ 3D Frame Detail2-End Joint

 <small>Covering the Needs of the Sheltered and Settling the Displaced</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Gabled Roof-Frame</b>	
3D Views (Parts)	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 7A - A105</b>	
Scale	

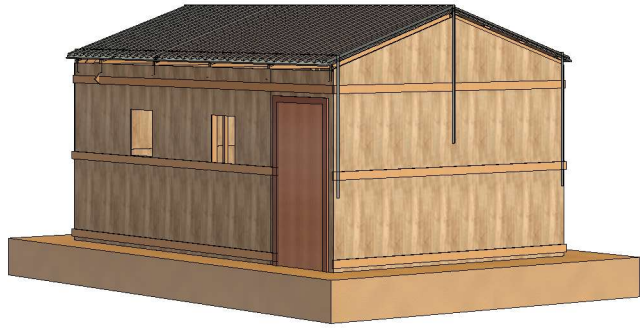


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 7B – Gabled Roof Transitional Shelter (Truss)

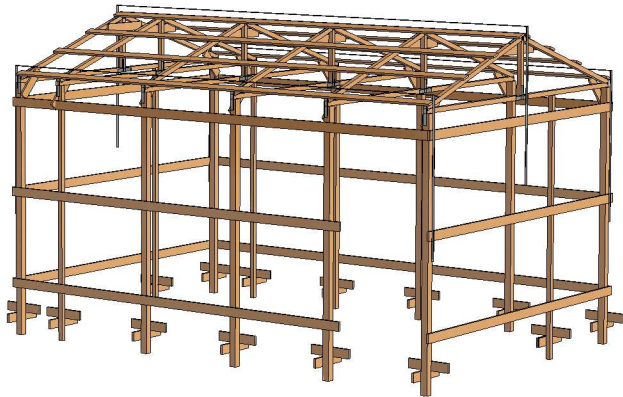




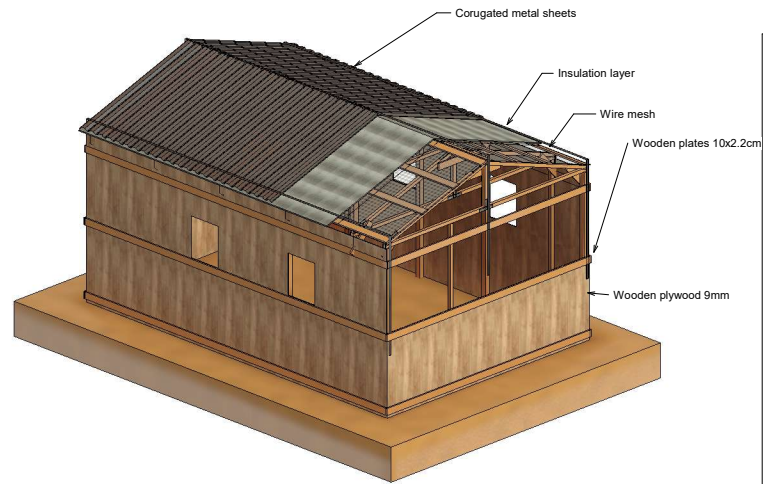
① 3D View from Outside




② 3D View from Inside



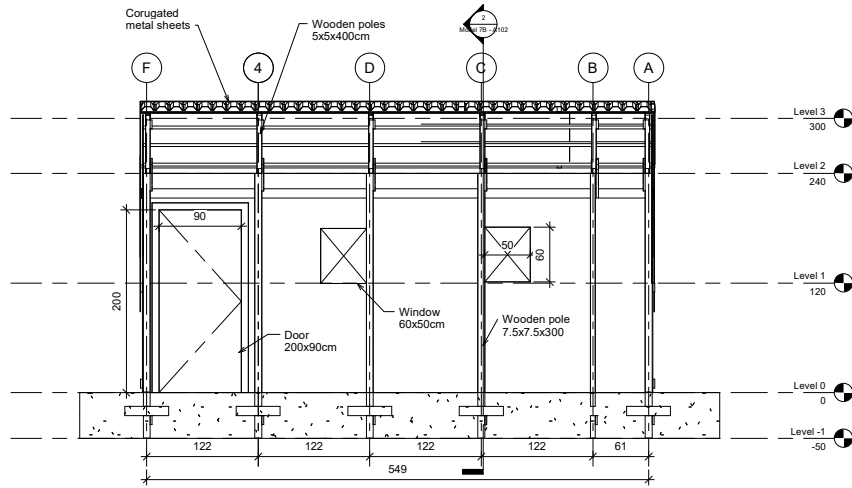
③ 3D View Structure



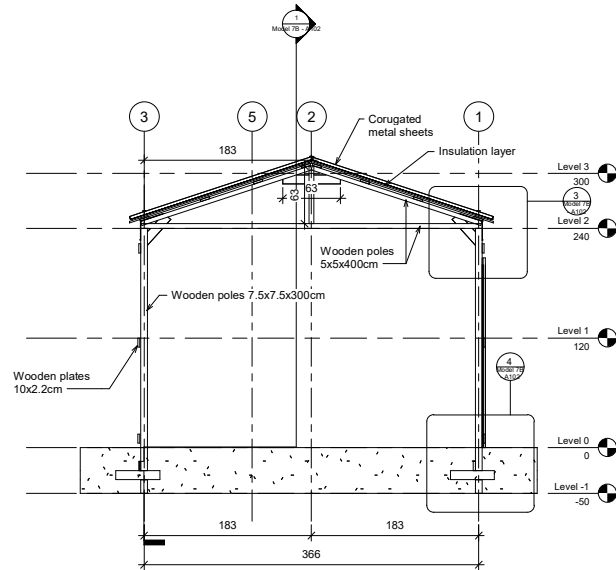
④ 3D View for Shell

 <small>Covering the needs of displaced people and host communities</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
Gabled Roof	Truss
3D Views	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 7B - A101</b>	
Scale	

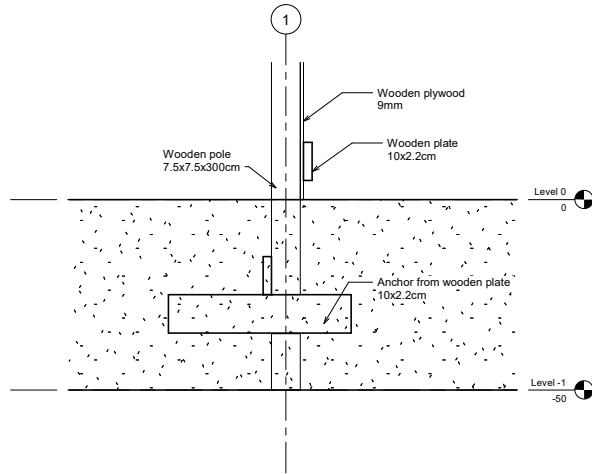
10/31/2024, 12:02:08 PM



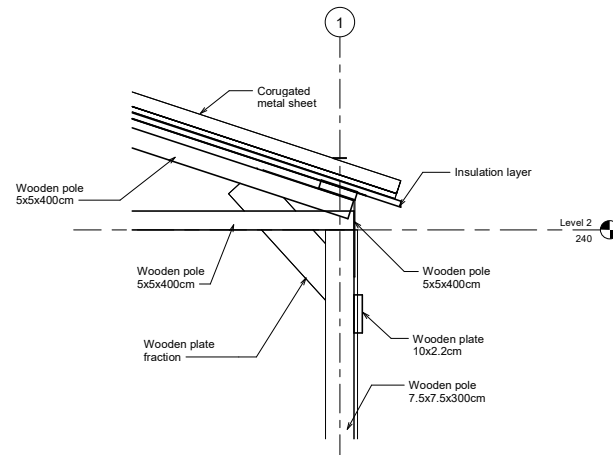
1 Section 2  
1 : 25




2 Section 1  
1 : 25



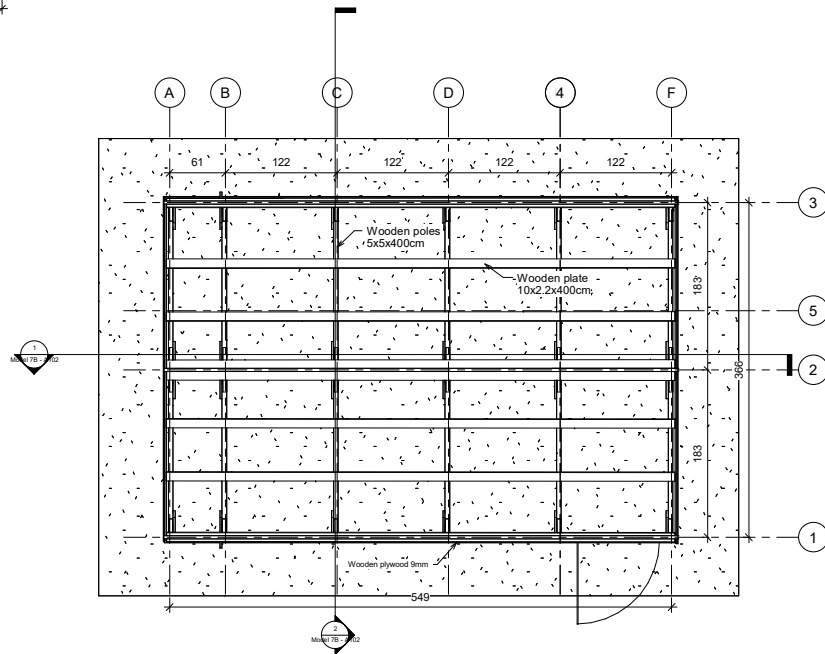
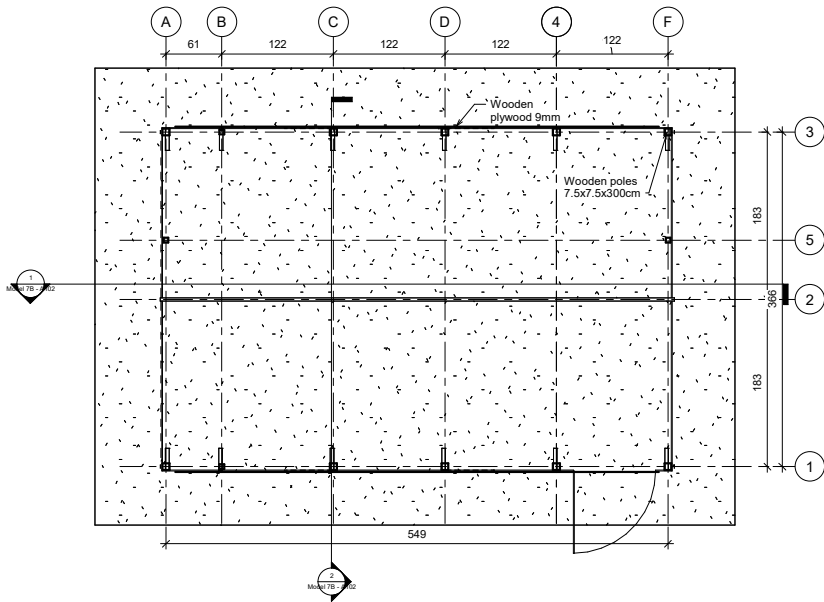
4 Section 1 - Callout 2  
1 : 6




3 Section 1 - Callout 1  
1 : 6

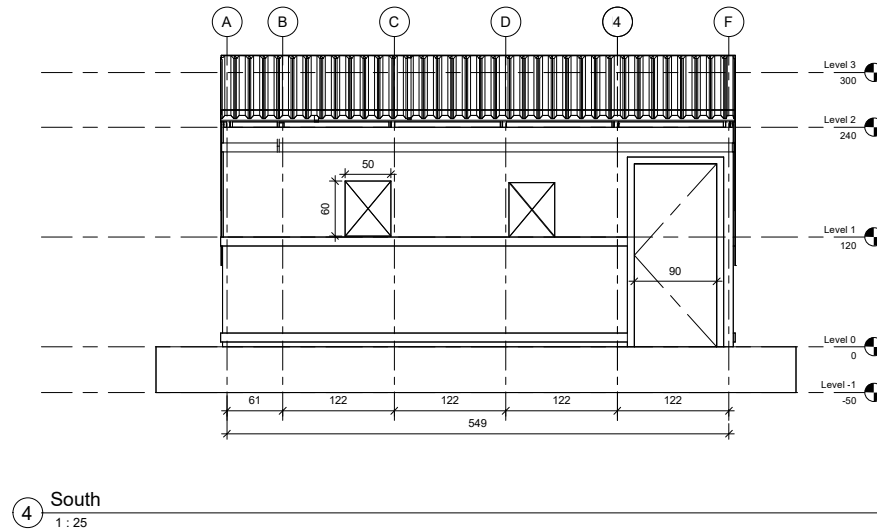
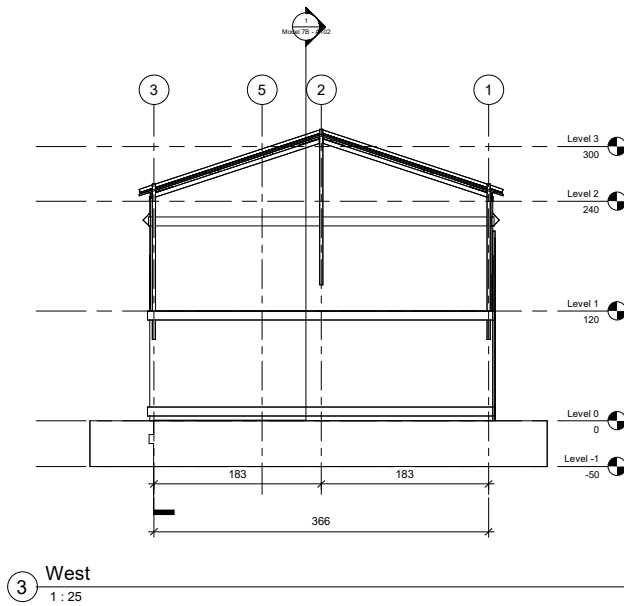
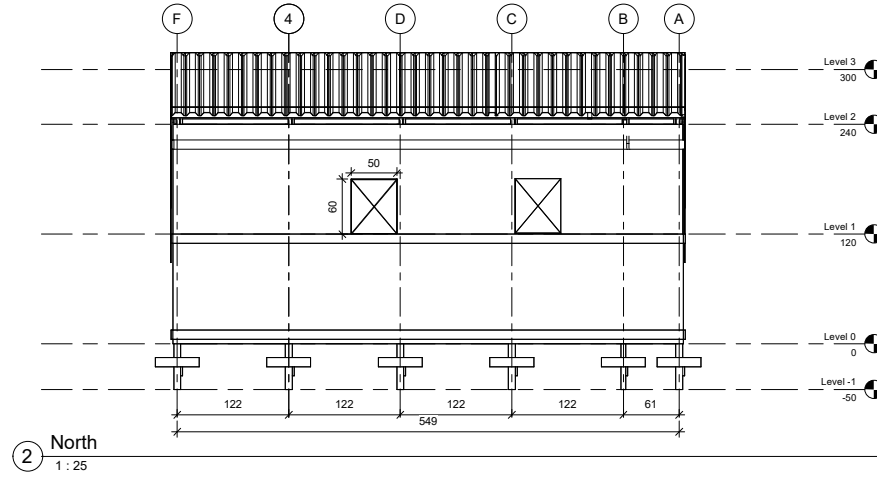
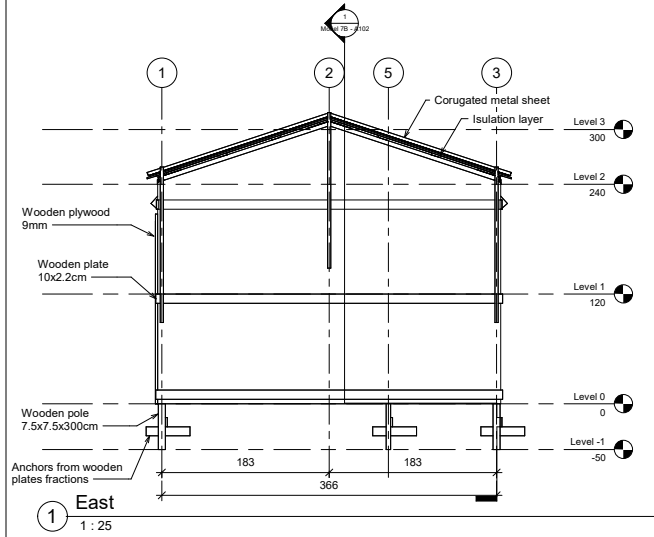
 YEMEN SHELTER CLUSTER Covaalnting (Rasoul)shabari shelter and Selfkarezo	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
Gabled Roof	Truss
Sections	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
Model 7B - A102	
Scale	As indicated


10/31/2024 12:02:10 PM



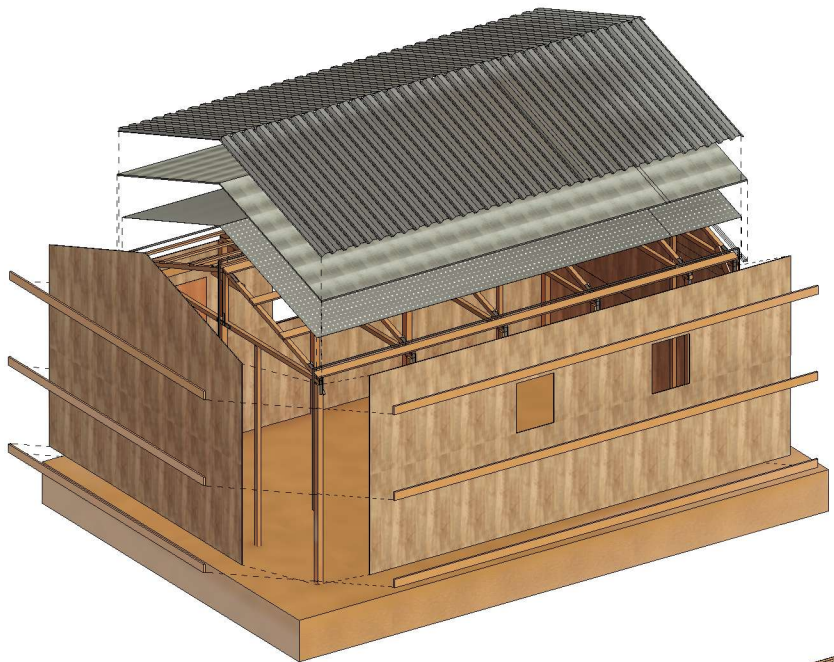
 YEMEN SHELTER CLUSTER Covaalnting (Hawash)shabab shabab and self-reliance	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
Gabled Roof	Truss
Plans	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 7B - A103</b>	
Scale	1 : 25

10/31/2024, 12:02:13 PM

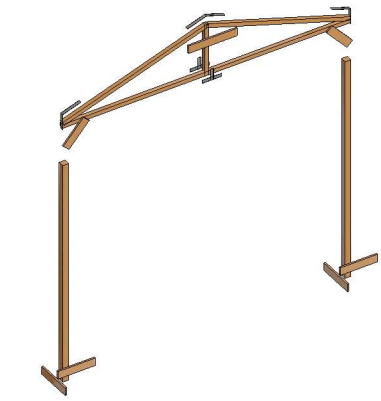


 YEMEN SHELTER CLUSTER Covaalstelling (Hawash)shabari Shabari and Settlerazada	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Gabled Roof Truss</b>	
<b>Elevation</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 7B - A104</b>	
Scale	1 : 25

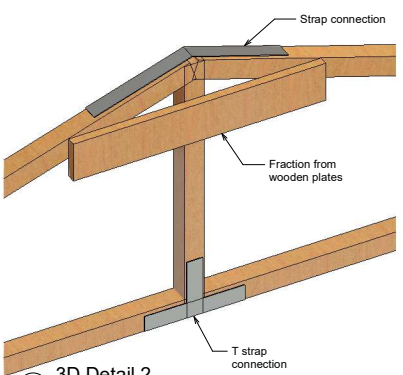
10/31/2024 12:02:16 PM



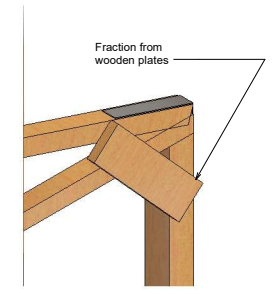
① 3D Views Parts



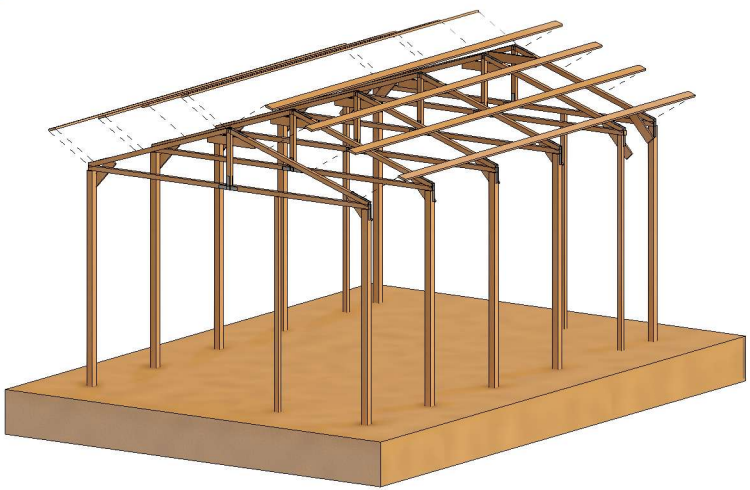
③ 3D Views Parts Structural  
One Frame



④ 3D Detail 2



⑤ 3D Detail 1



② 3D Views Parts Structural



[www.sheltercluster.org/mena/yemen](http://www.sheltercluster.org/mena/yemen)

Gabled Roof Truss

3D Views (Parts)

Project number 0001

Date 14-3-2024

Drawn by Aiman Zoraiky

Checked by Shelter TWIG

**Model 7B - A105**

Scale

10/31/2024, 12:02:26 PM

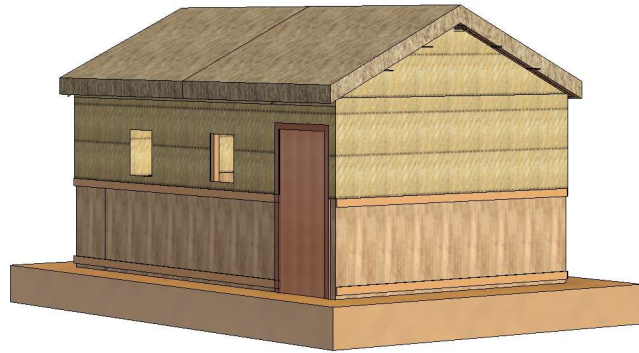


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 8A – Tihama Transitional Shelter – Wooden Wall

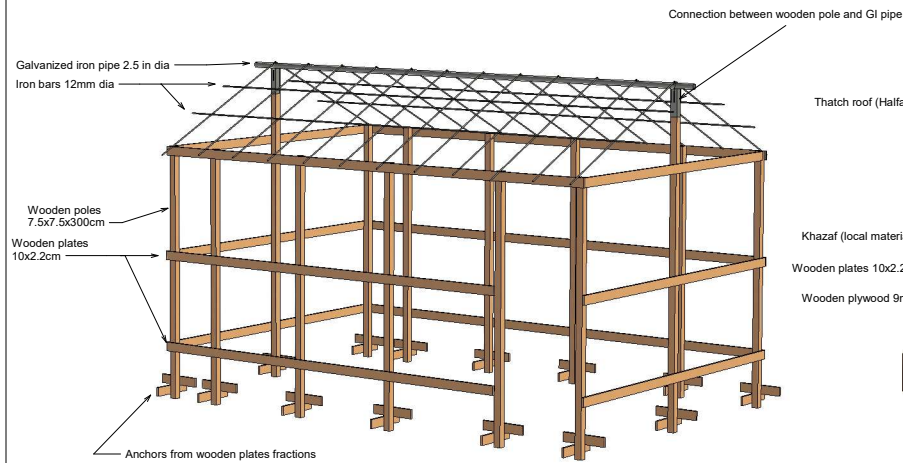




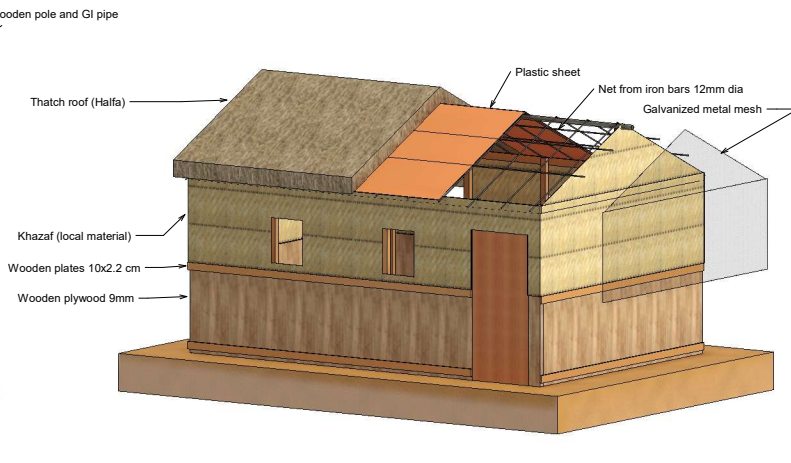
① 3D View from Outside




② 3D View from Inside

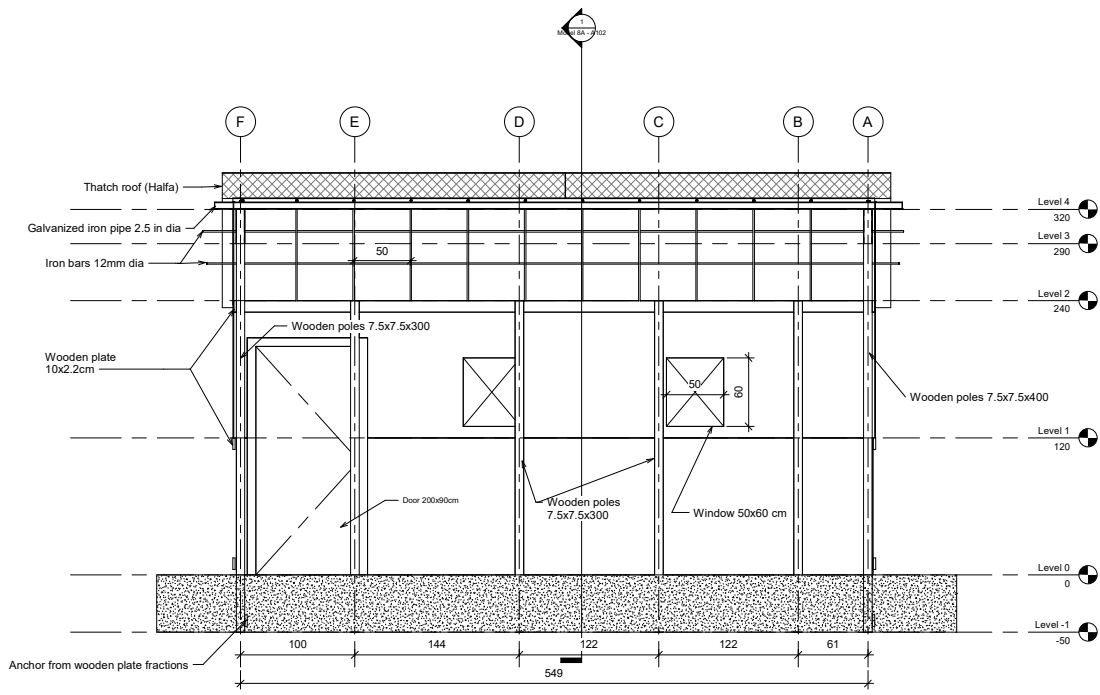


③ 3D View Structure

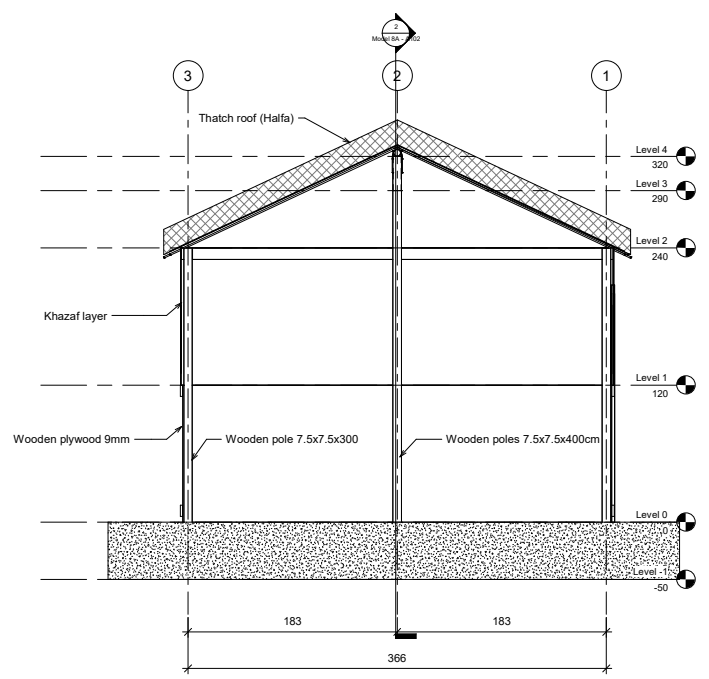


④ 3D View for Shell


 YEMEN SHELTER CLUSTER Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Wooden Wall</b>	
3D Views	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8A - A101</b>	
Scale	



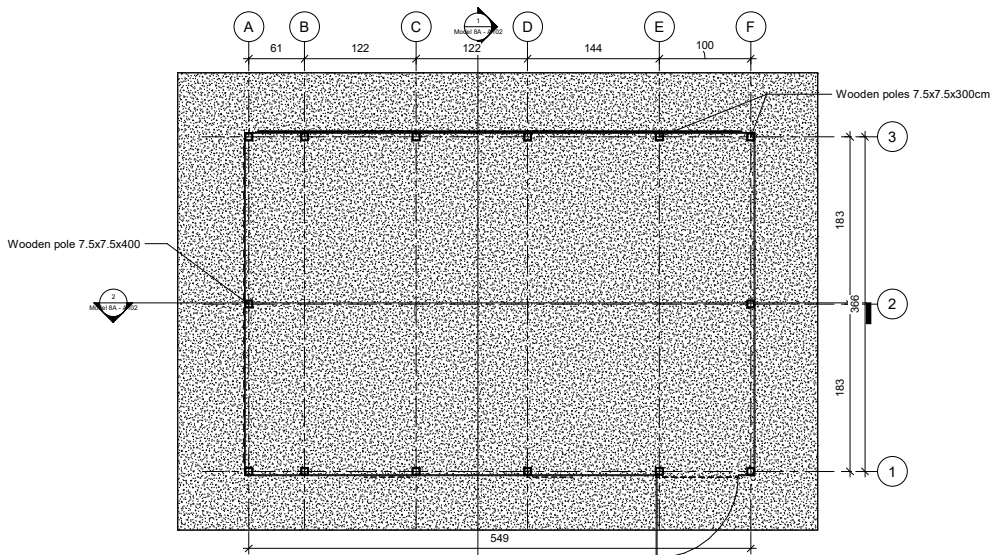
② Section 2  
1 : 20



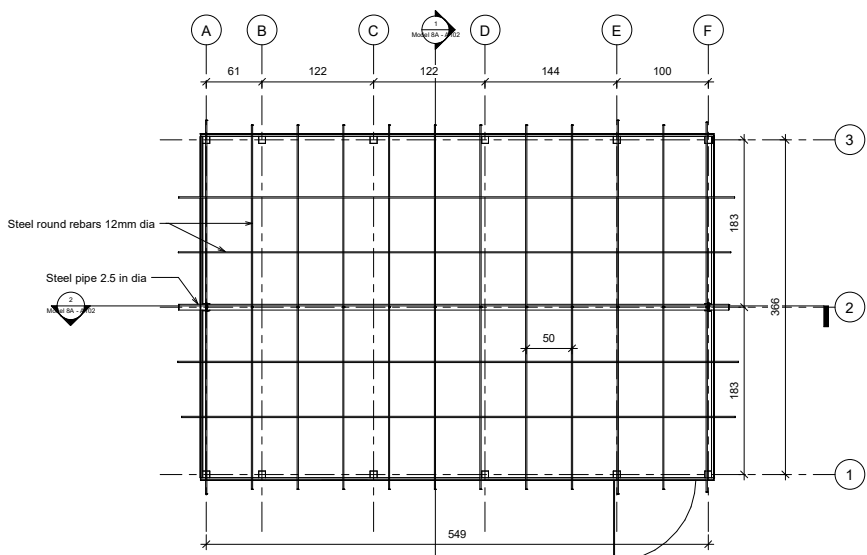
① Section 1  
1 : 20

 <b>YEMEN SHELTER CLUSTER</b> <small>Covering the needs of shelter and settlement</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Wooden Wall</b>	
<b>Sections</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8A - A102</b>	
Scale	1 : 20


11/4/2024 2:49:59 PM



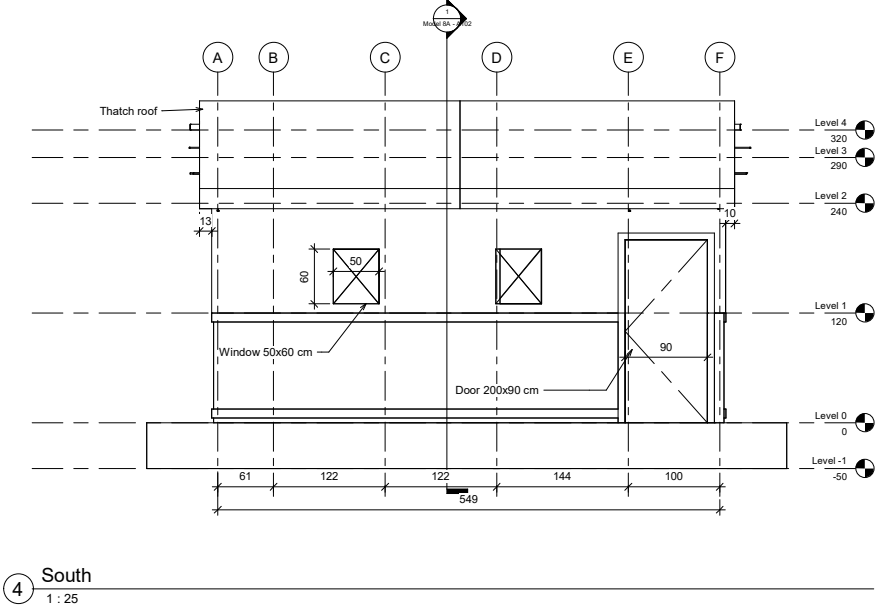
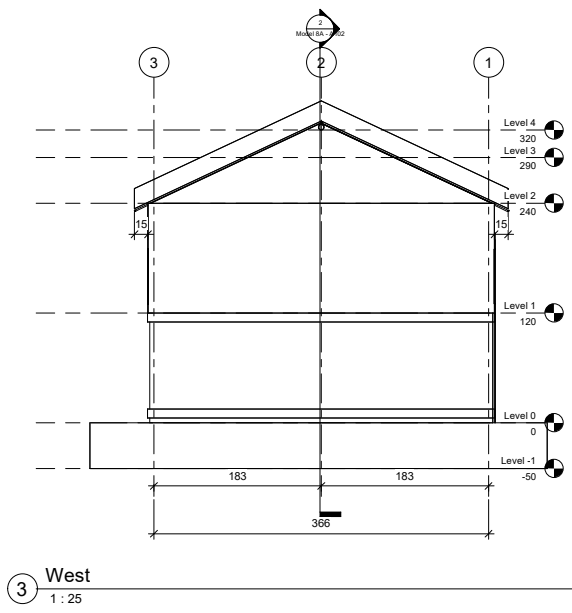
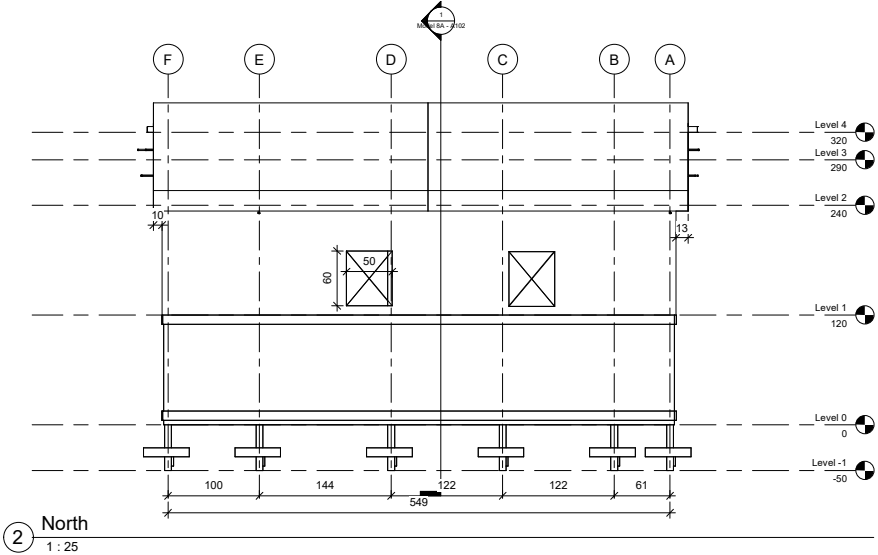
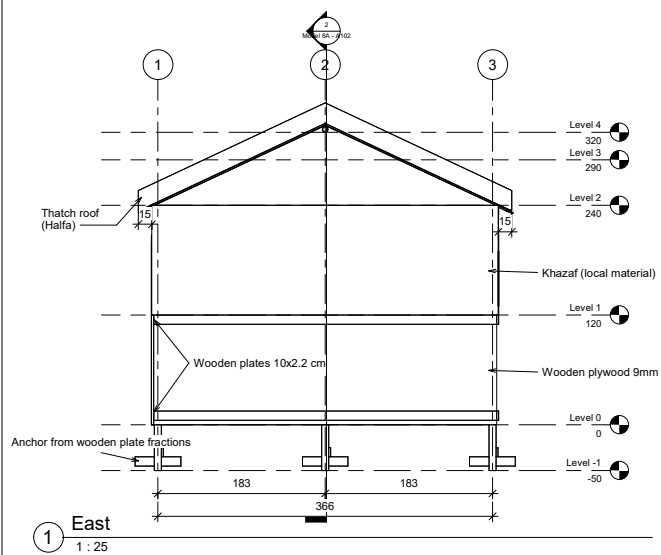
① Level 0  
1 : 25




② Level 3  
1 : 25

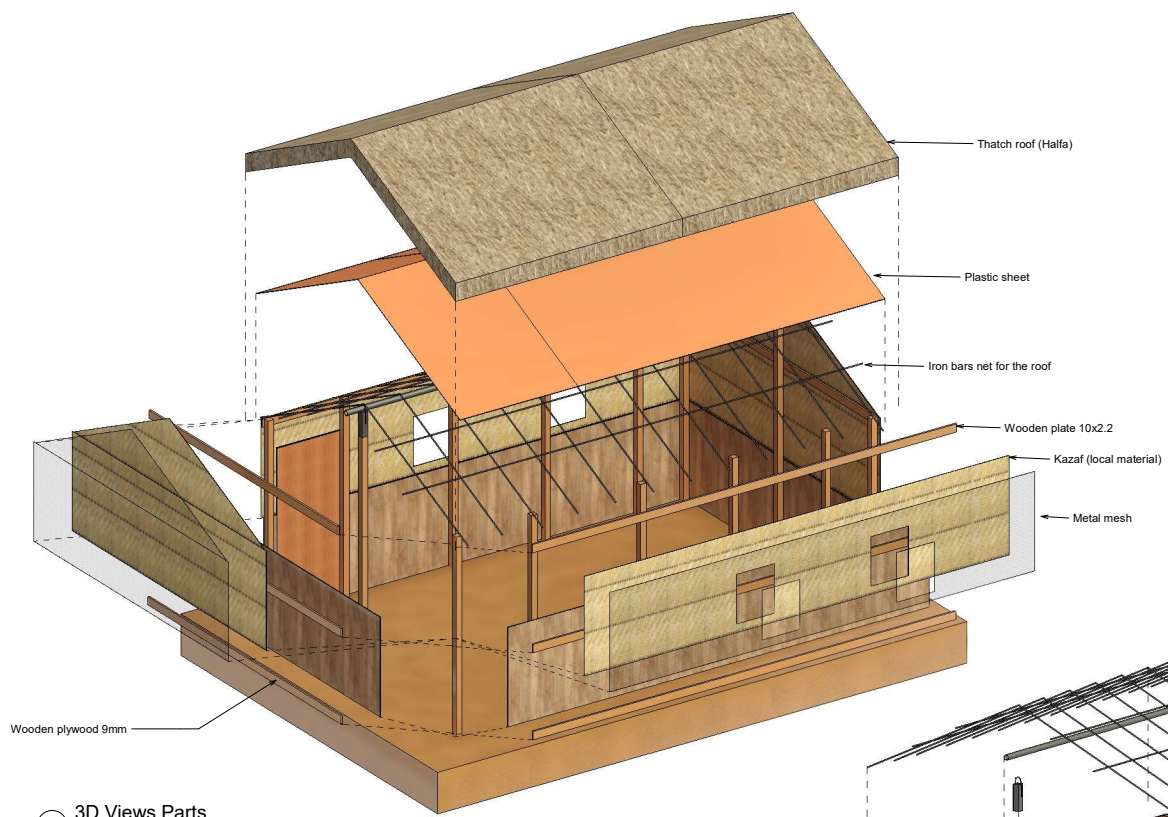
 YEMEN SHELTER CLUSTER Covaalisting (Hawash) shelter and settlement <a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
Tihama Shelter Wooden Wall	
Plans	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8A - A103</b>	
Scale	1 : 25

11/4/2024 2:50:02 PM

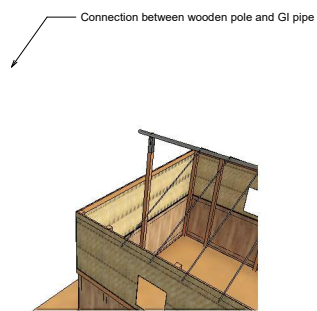


  
 YEMEN SHELTER CLUSTER  
 Coordinating Humanitarian Shelter and Settlements  
[www.sheltercluster.org/mena/yemen](http://www.sheltercluster.org/mena/yemen)  
**Tihama Shelter Wooden Wall**  
 Elevation  
 Project number 0001  
 Date 14-3-2024  
 Drawn by Aiman Zoraiky  
 Checked by Shelter TWiG  
**Model 8A - A104**  
 Scale 1 : 25

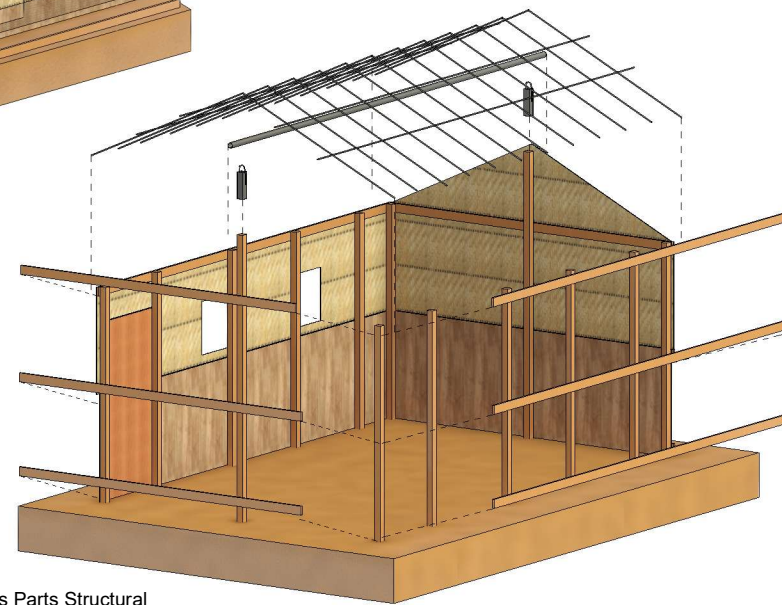
11/4/2024 2:50:08 PM




1 3D Views Parts



3 3D - Connection



2 3D Views Parts Structural

 <b>YEMEN SHELTER CLUSTER</b> <small>Coordinating Humanitarian Shelter and Settlements</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Wooden Wall</b>	
3D Views (Parts)	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8A - A105</b>	
Scale	

11/4/2024 2:50:15 PM

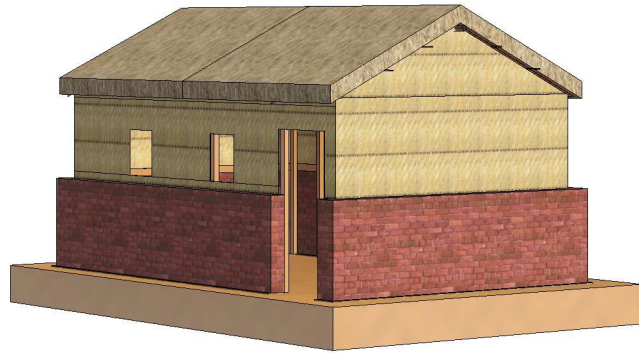


# YEMEN SHELTER CLUSTER

Coordinating Humanitarian Shelter and Settlements

## Model 8B – Tihama Transitional Shelter – Mud Wall

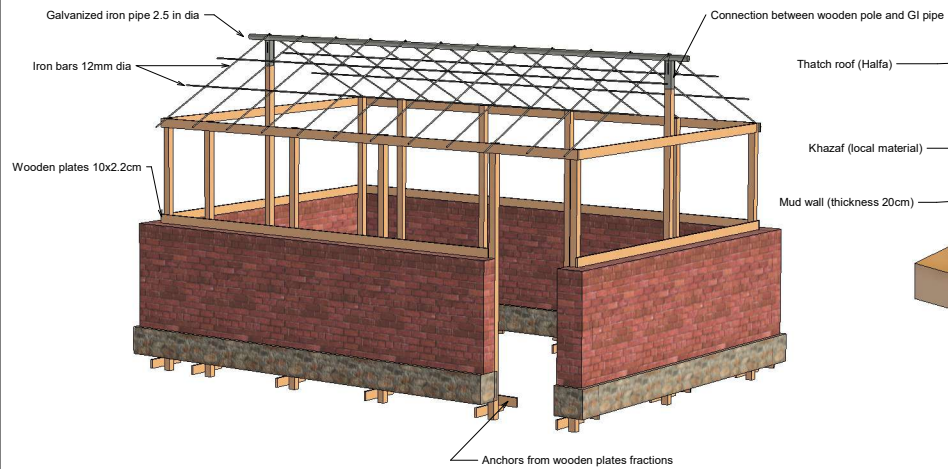




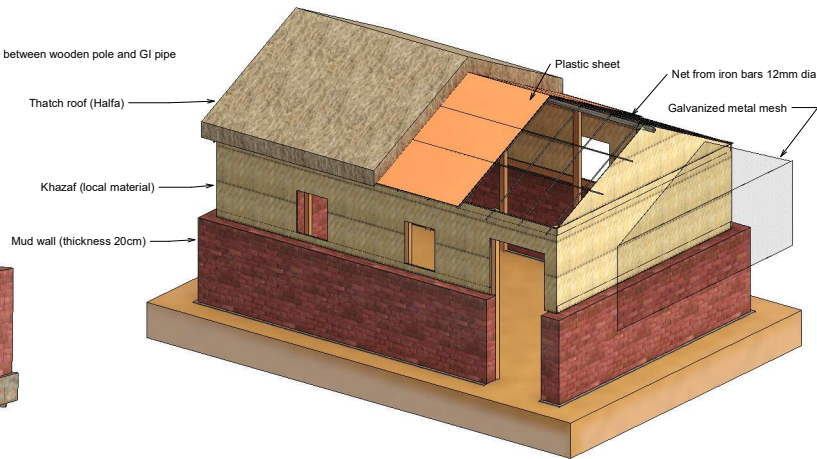
① 3D View from Outside




② 3D View from Inside

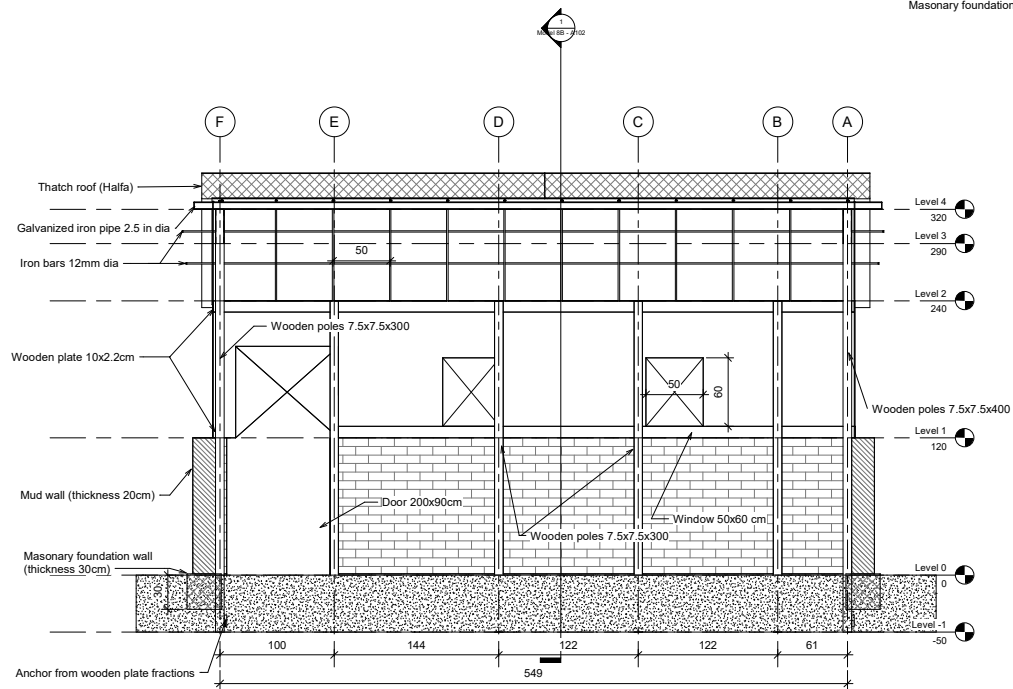


③ 3D View Structure

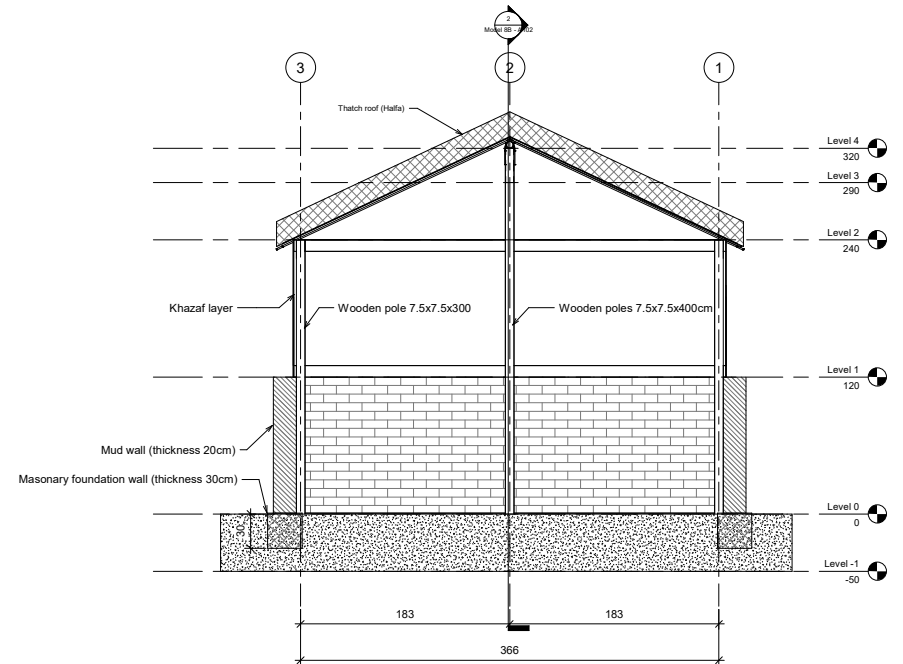


④ 3D View for Shell

 Yemen Shelter Cluster Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Mud Wall</b>	
<b>3D Views</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8B - A101</b>	
Scale	



② Section 2  
1 : 20



① Section 1  
1 : 20



www.sheltercluster.org/mena/yemen

Tihama Shelter Mud Wall

Sections

Project number 0001

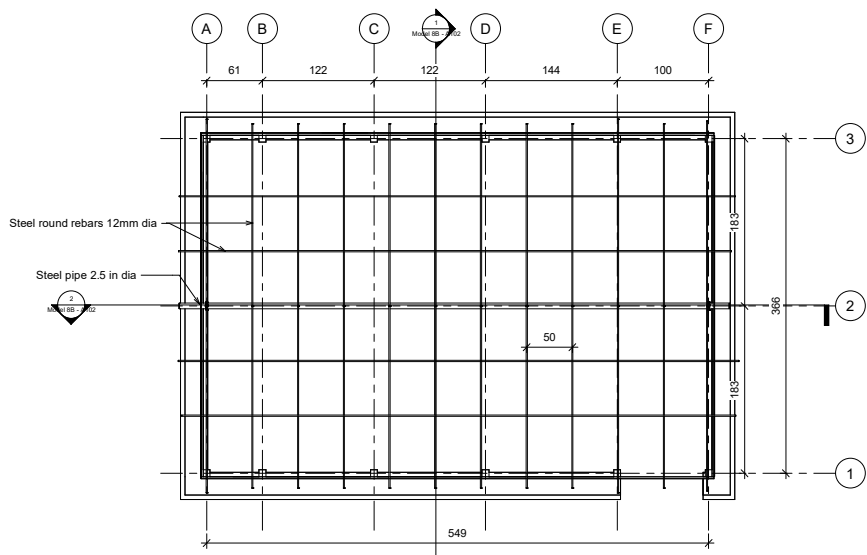
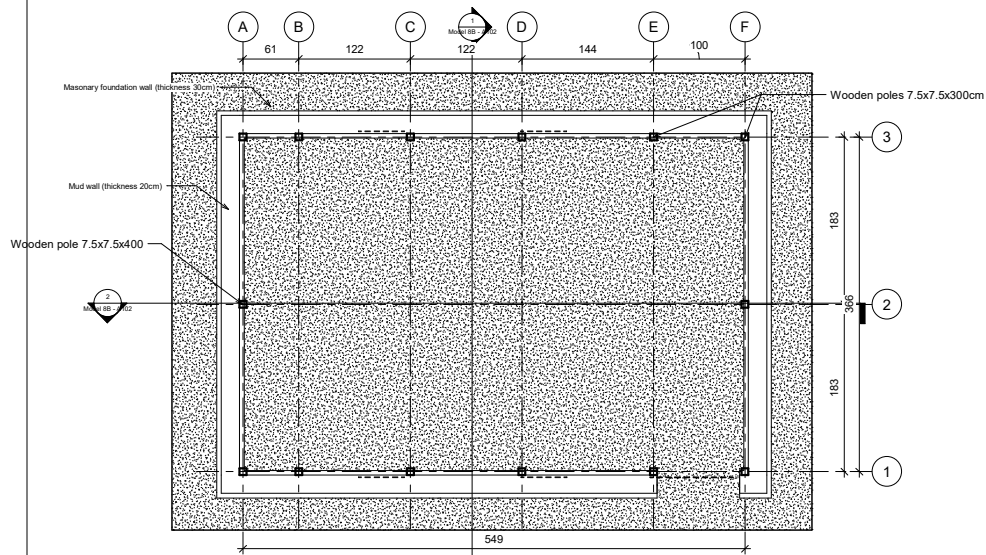
Date 14-3-2024


Drawn by Aiman Zoraiky

Checked by Shelter TWiG

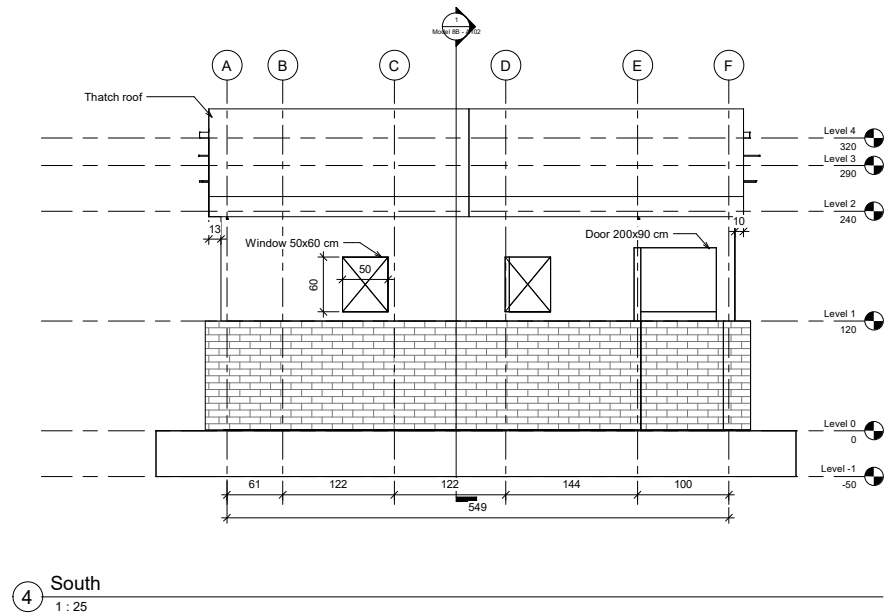
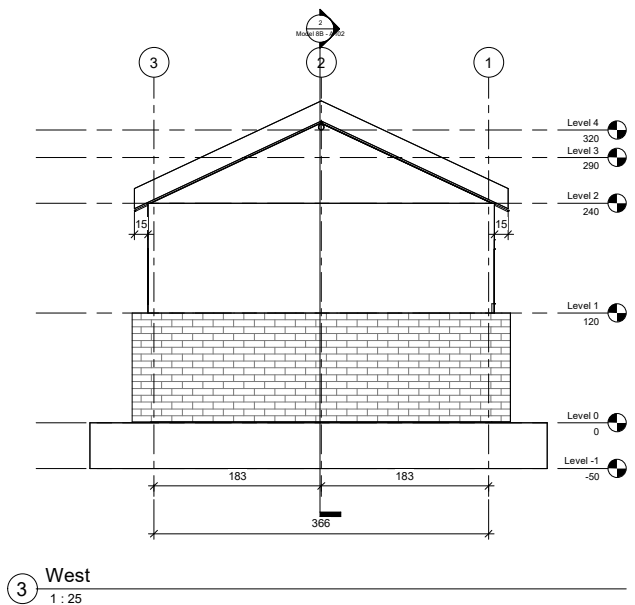
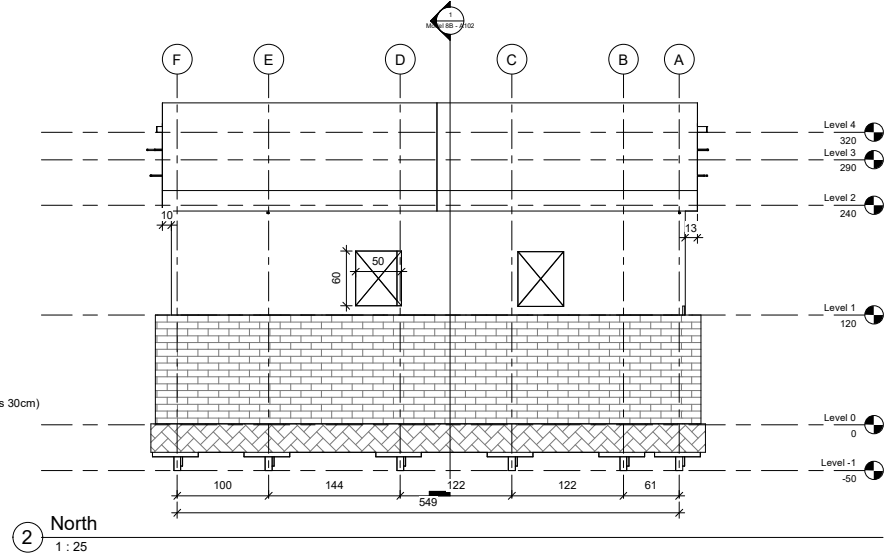
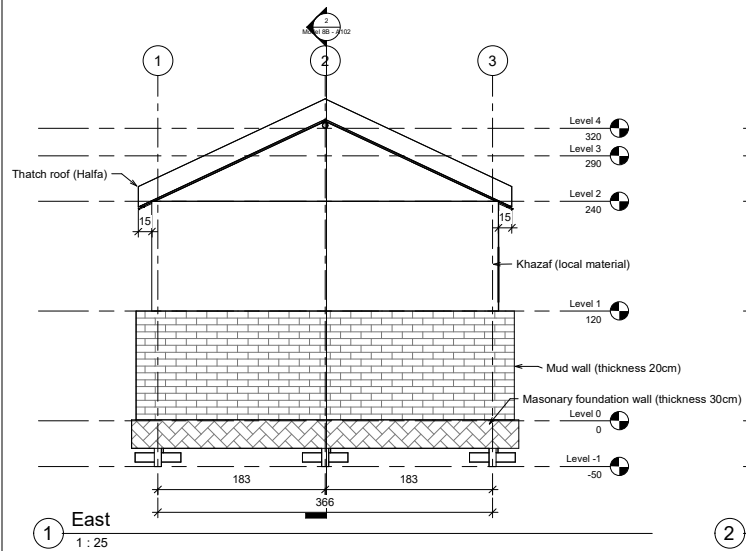
Model 8B - A102


Scale 1 : 20



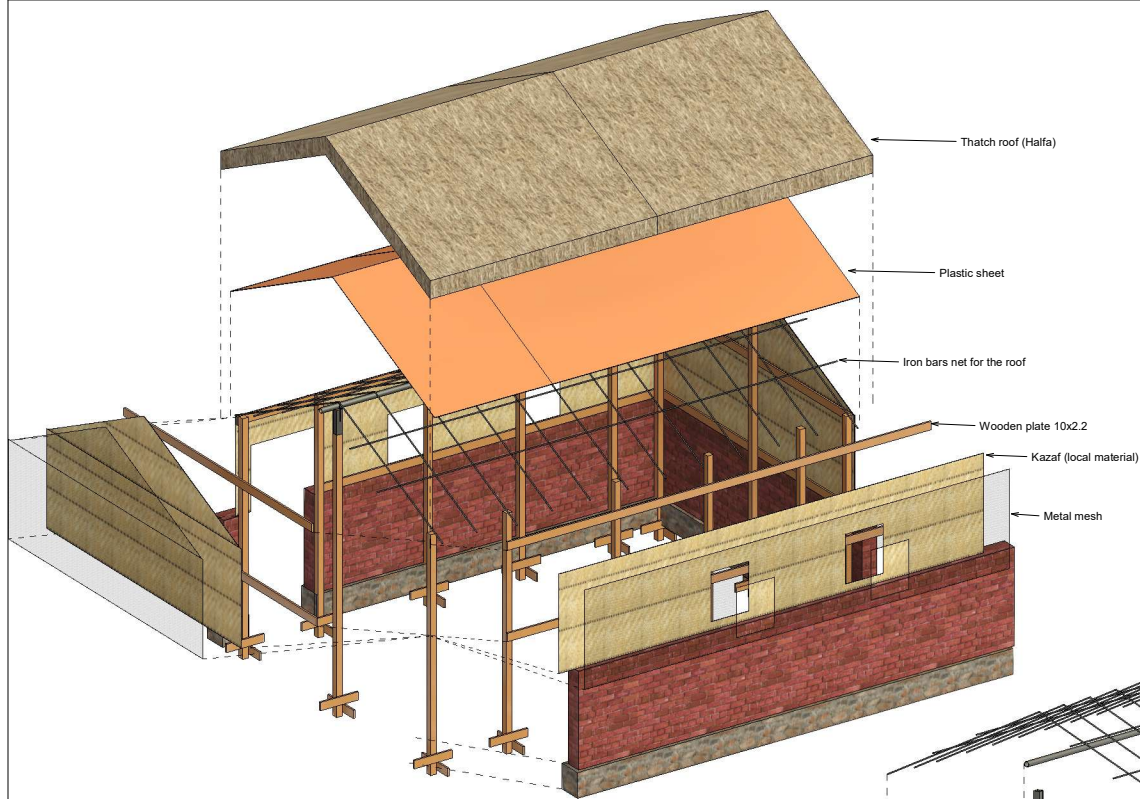
 <p>www.sheltercluster.org/mena/yemen</p>	
Tihama Shelter	Mud Wall
Plans	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 8B - A103</b>	
Scale	1 : 25

11/4/2024 3:02:39 PM

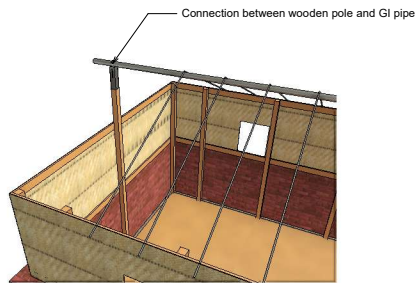


 <b>YEMEN SHELTER CLUSTER</b> Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Mud Wall</b>	
<b>Elevation</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 8B - A104</b>	
Scale	1 : 25

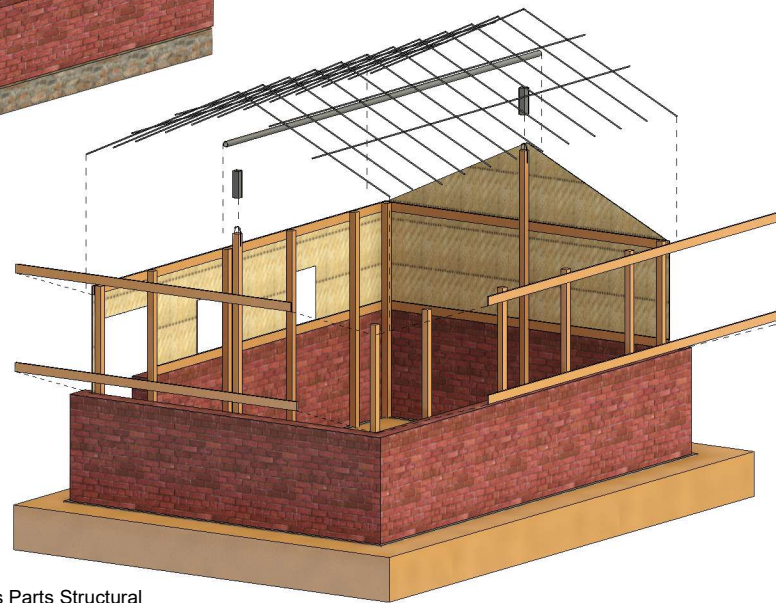
11/4/2024 3:02:44 PM




① 3D Views Parts



③ 3D - Connection



② 3D Views Parts Structural

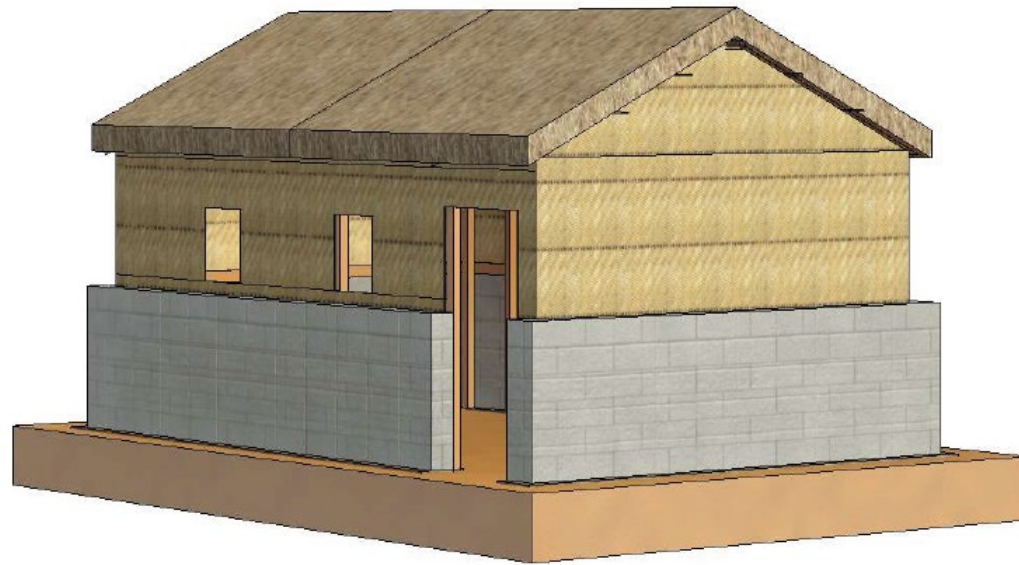
 <b>YEMEN SHELTER CLUSTER</b> <small>Coordinating Humanitarian Shelter and Settlements</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Mud Wall</b>	
<b>3D Views (Parts)</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8B - A105</b>	
Scale	

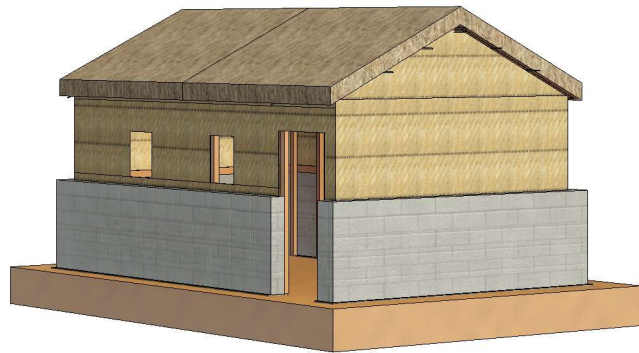


**YEMEN  
SHELTER CLUSTER**

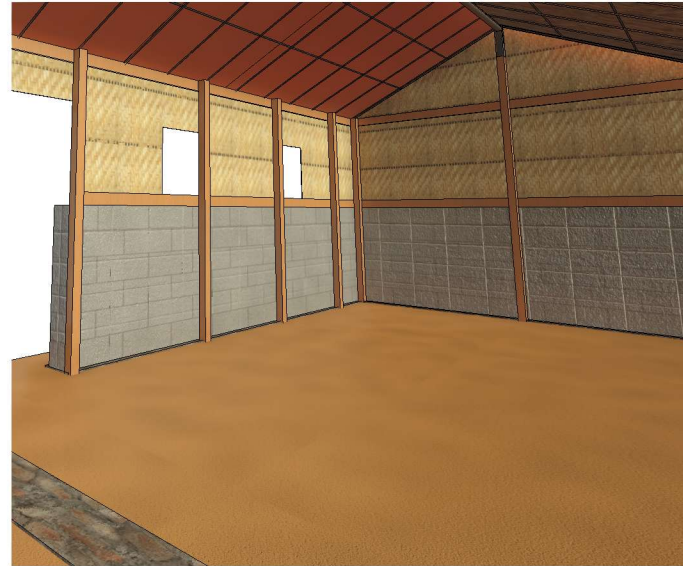
Coordinating Humanitarian Shelter and Settlements

## **Model 8C – Tihama Transitional Shelter – Block Wall**

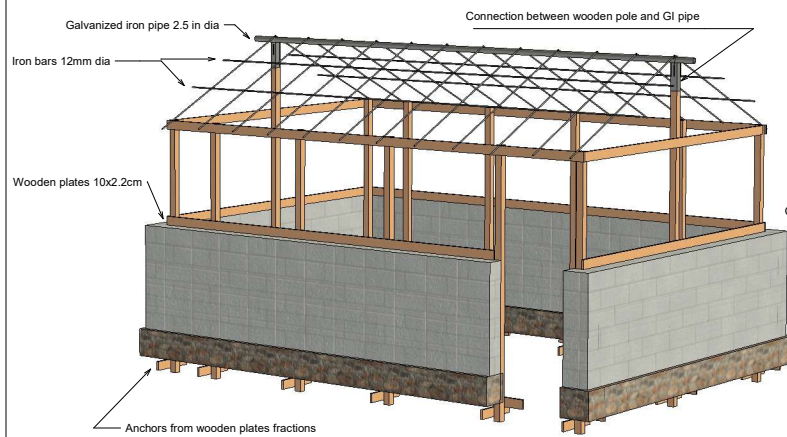




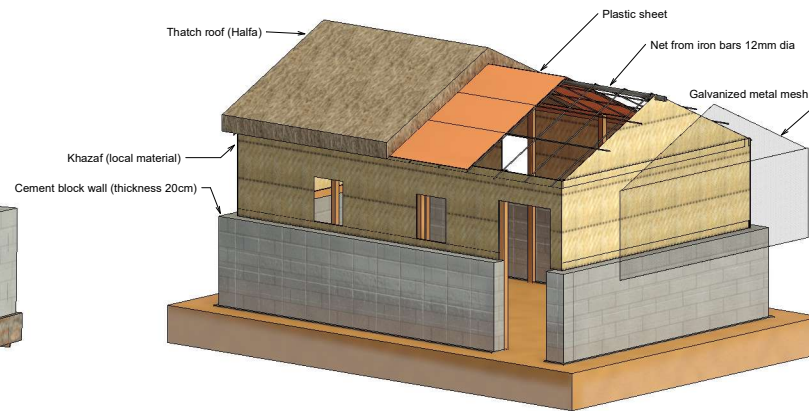
① 3D View from Outside




② 3D View from Inside

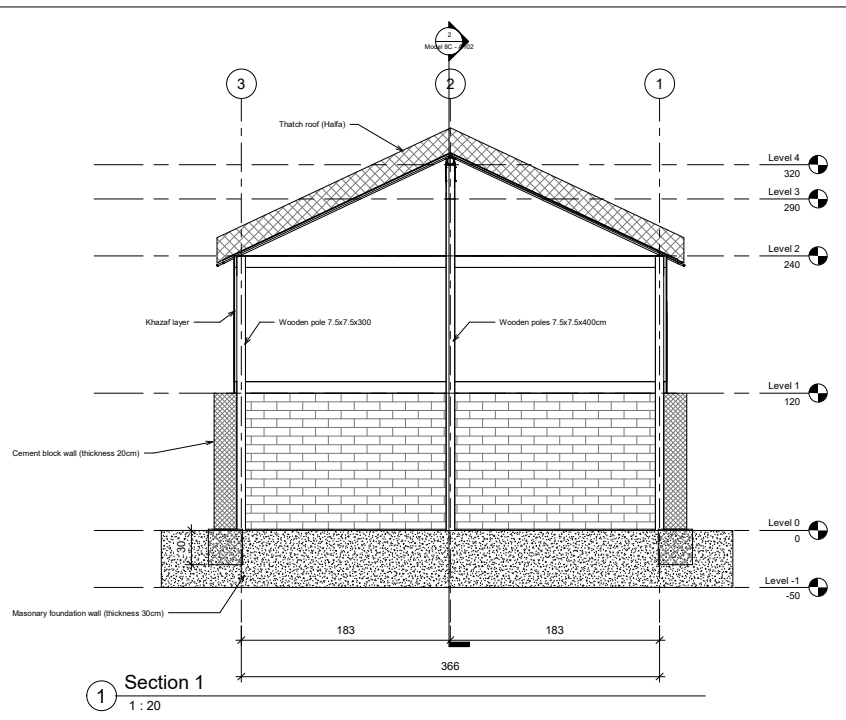
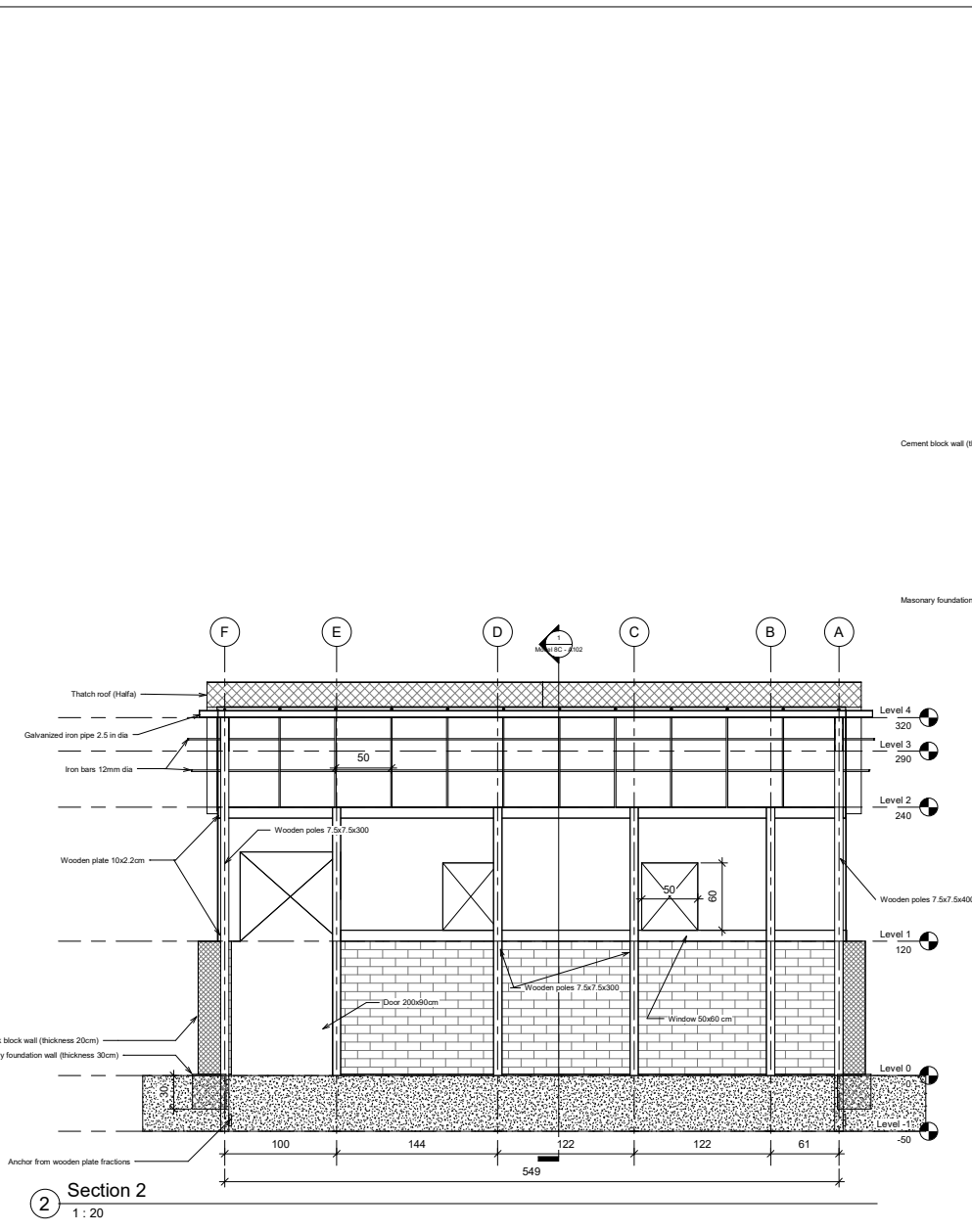



③ 3D View Structure



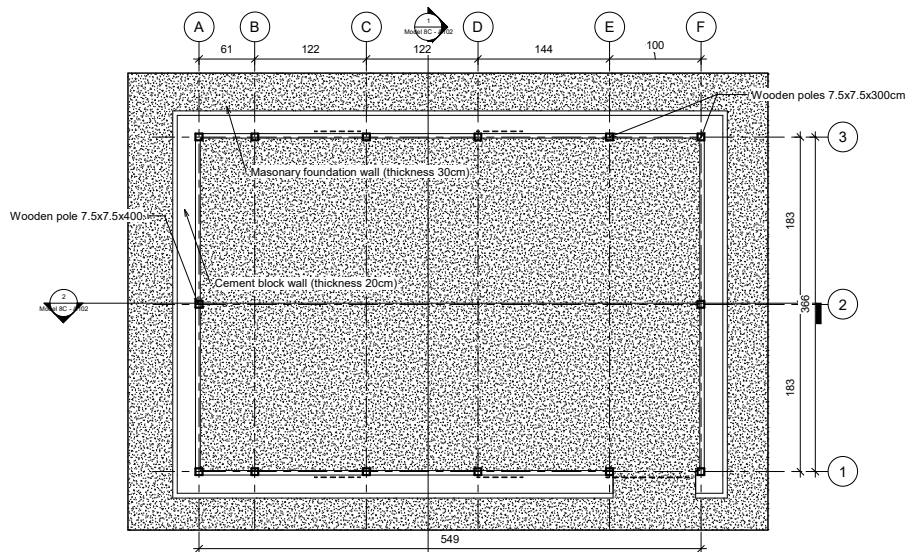
④ 3D View for Shell

 YEMEN SHELTER CLUSTER Coordinating International Shelters and Settlements <a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Cement Block Wall</b>	
3D Views	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8C - A101</b>	
Scale	

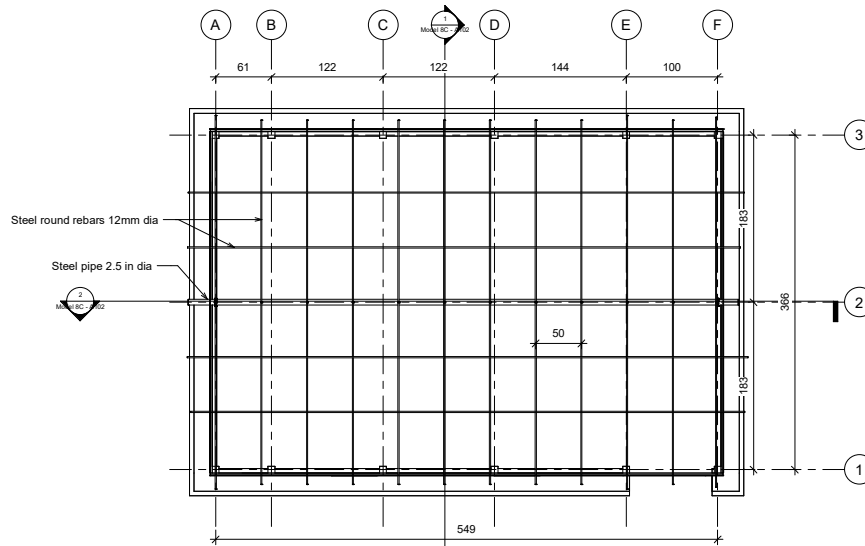


 <b>YEMEN SHELTER CLUSTER</b> Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Cement Block Wall</b>	
<b>Sections</b>	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 8C - A102</b>	
Scale	1 : 20


11/4/2024 3:29:46 PM



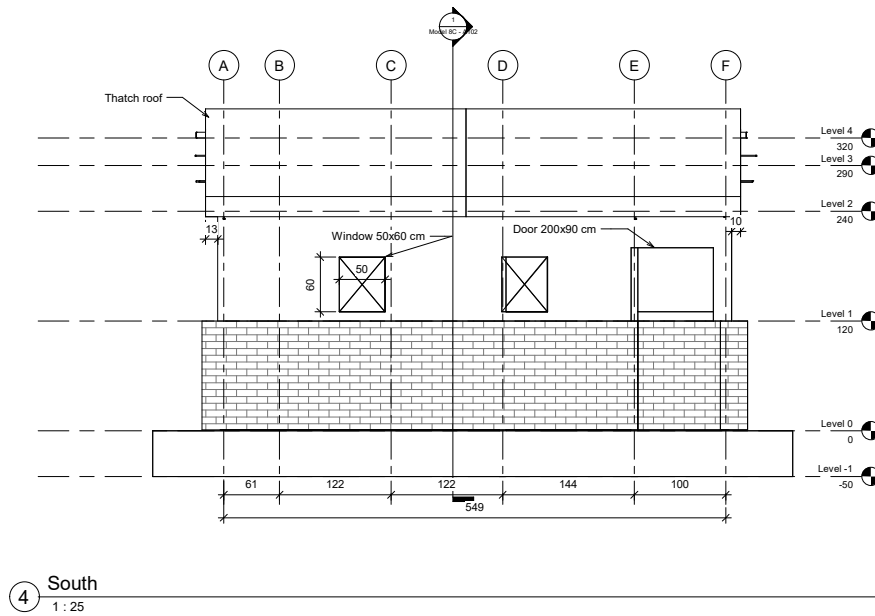
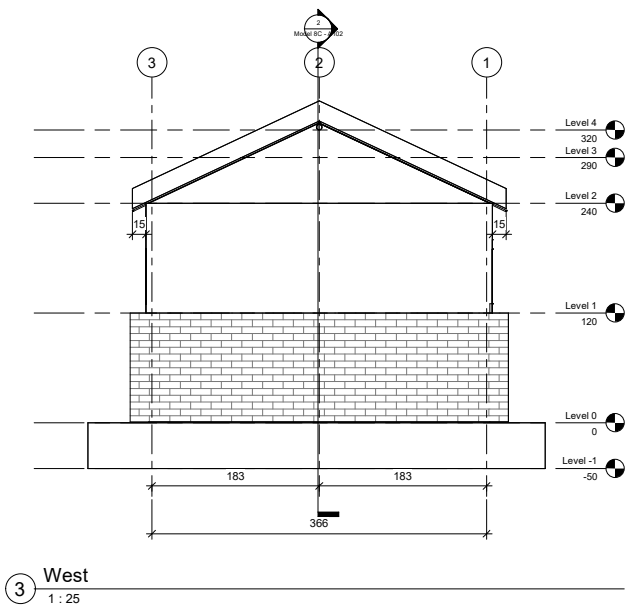
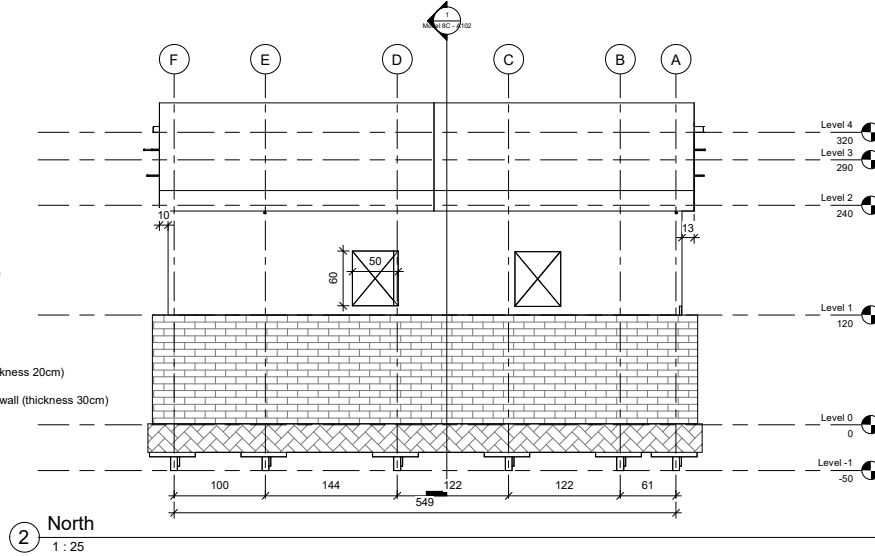
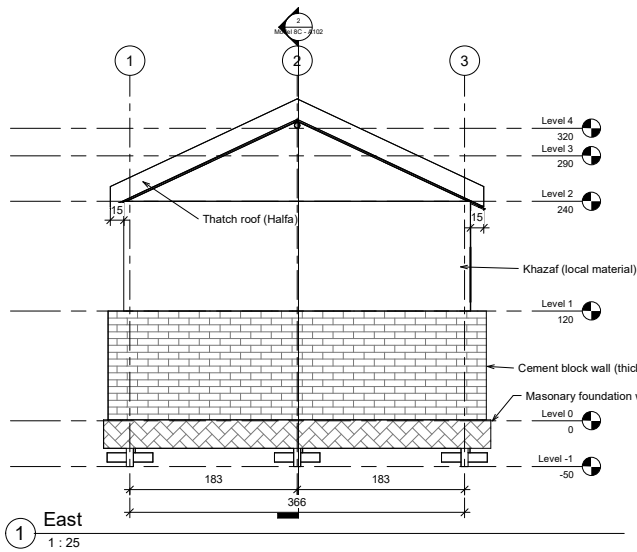
① Level 0  
1 : 25




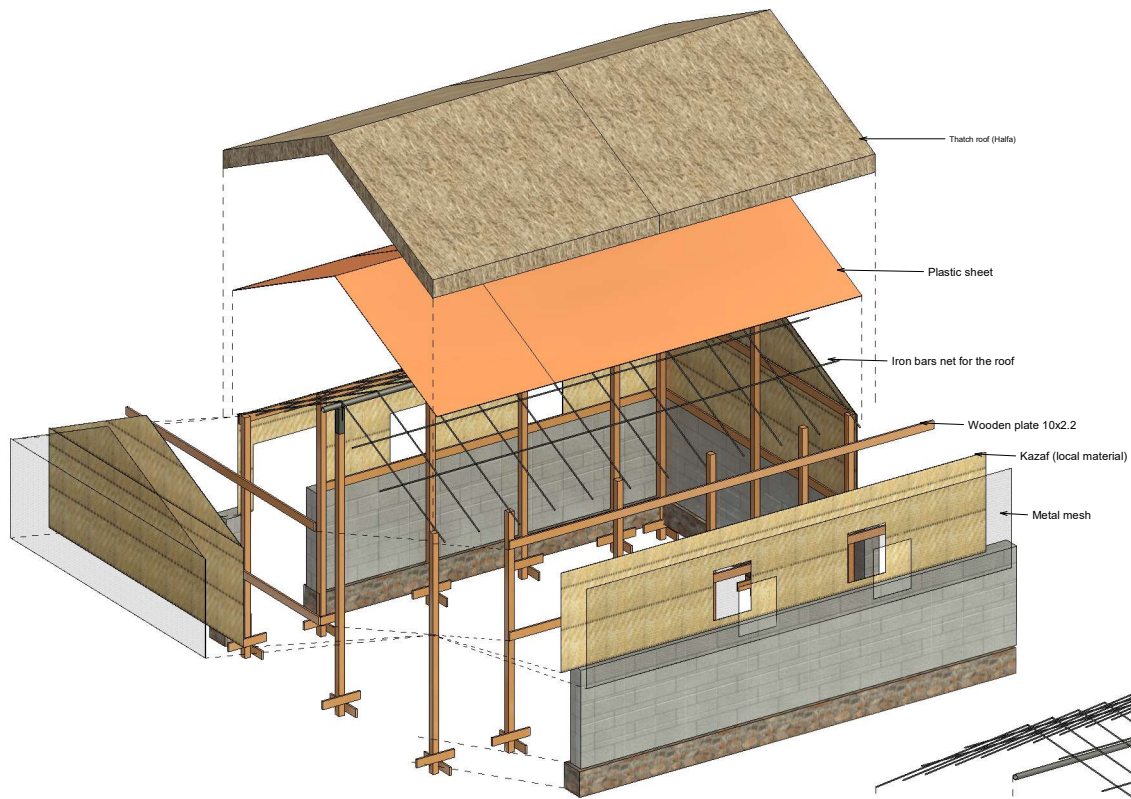
② Level 3  
1 : 25

 YEMEN SHELTER CLUSTER Coordinating International Shelters and Settlements <a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Cement Block Wall</b>	
Plans	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8C - A103</b>	
Scale	1 : 25

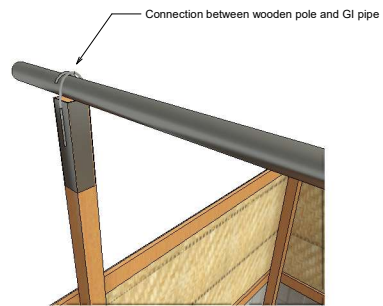
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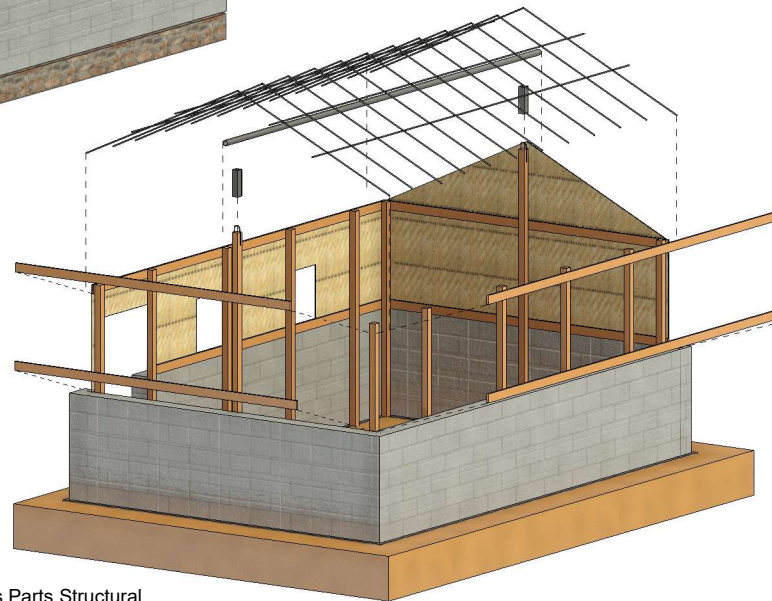
 <b>YEMEN SHELTER CLUSTER</b> Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Cement Block Wall</b>	
Elevation	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 8C - A104</b>	
Scale	1 : 25




① 3D Views Parts



③ 3D - Connection



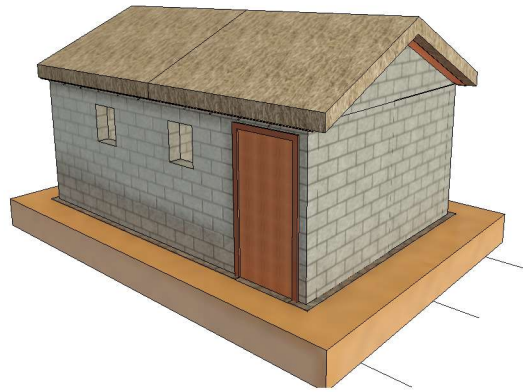
② 3D Views Parts Structural

 <small>Covering the Unassisted Areas Shelters and Settlements</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama Shelter Cement Block Wall</b>	
3D Views (Parts)	
Project number	0001
Date	14-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 8C - A105</b>	
Scale	

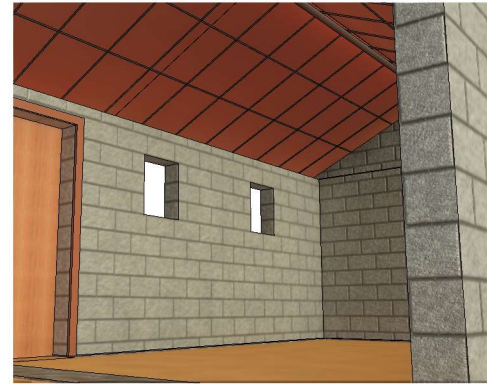
11/4/2024 3:30:05 PM

## Model 9 – Tihama Bearing Wall Transitional Shelter – Blocks





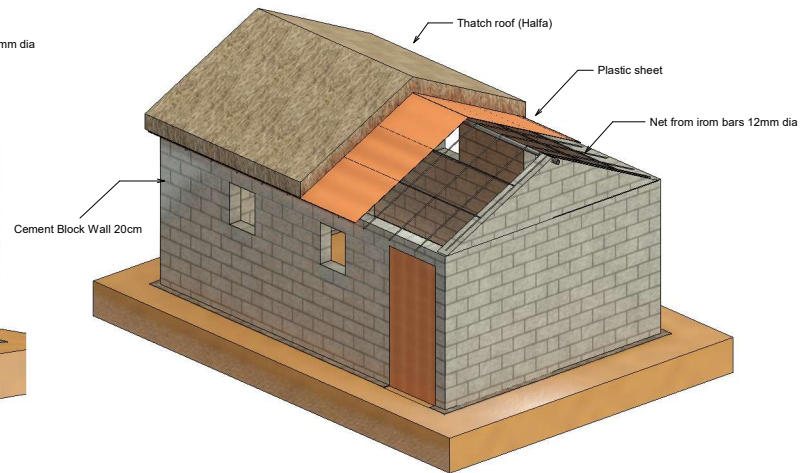
① 3D View Outside




② 3D view from Inside

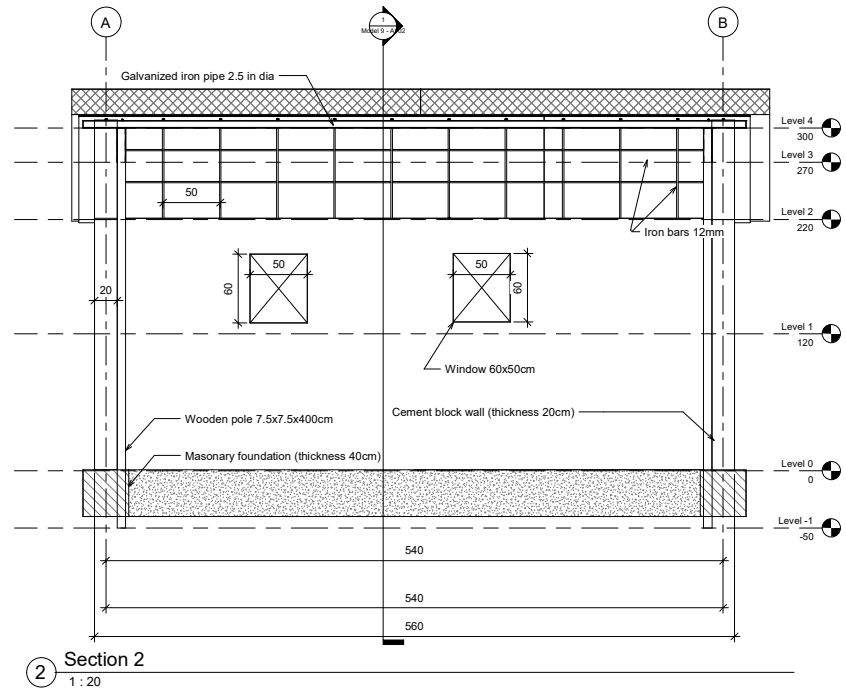
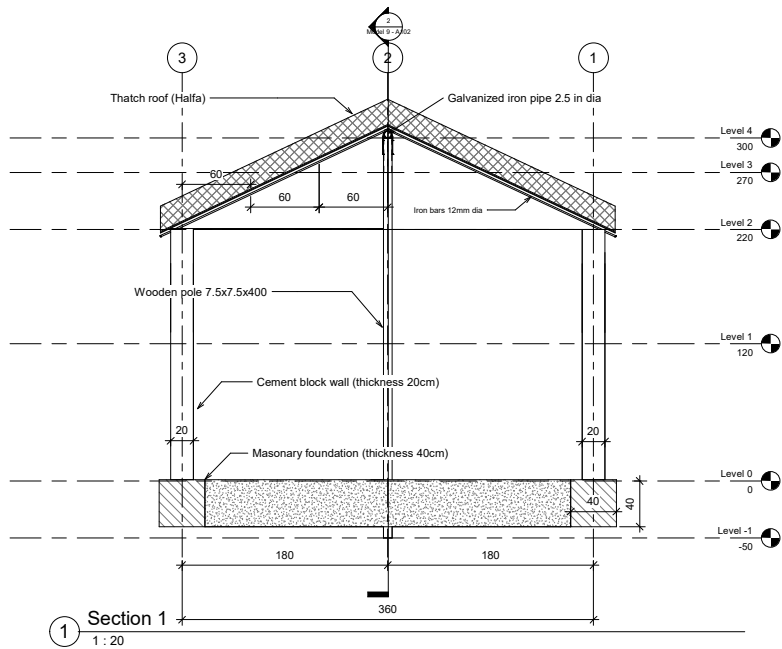



③ 3D View Structure

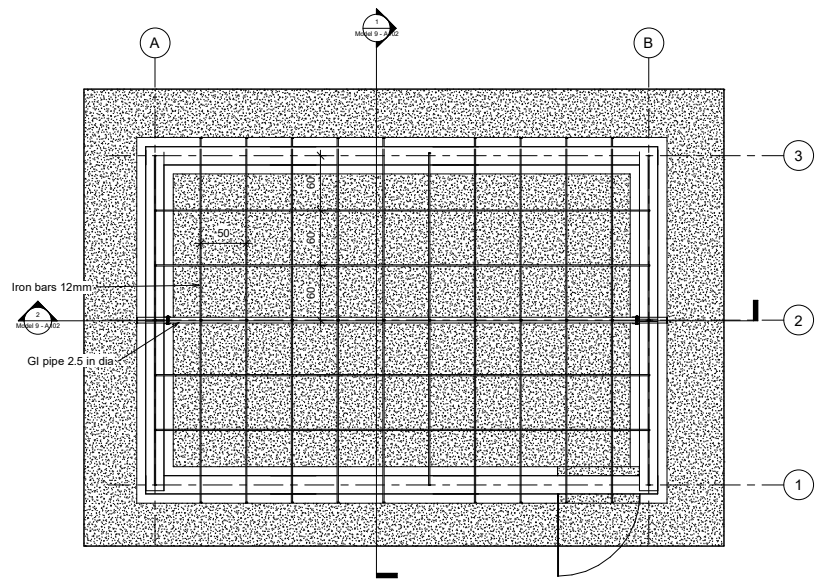


④ 3D View Shell

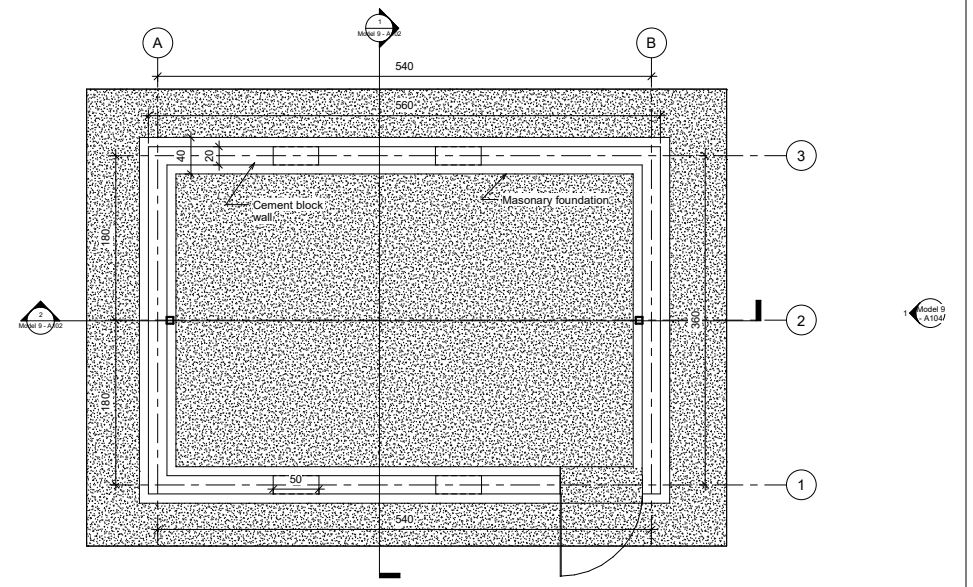
 <small>Coordinating Humanitarian Shelter and Settlements</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama - Cement Block Wall</b>	
<b>3D Views</b>	
Project number	0001
Date	11-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 9 - A101</b>	
Scale	



 YEMEN SHELLERCLUSTER Coordinating Humanitarian Shelter and Settlements	
<a href="http://www.shellercluster.org/mena/yemen">www.shellercluster.org/mena/yemen</a>	
<b>Tihama - Cement Block Wall</b>	
<b>Sections</b>	
Project number	0001
Date	11-3-2024
Drawn by	Aiman Zoraiky
Checked by	ShelterTWiG
<b>Model 9 - A102</b>	
Scale	1 : 20



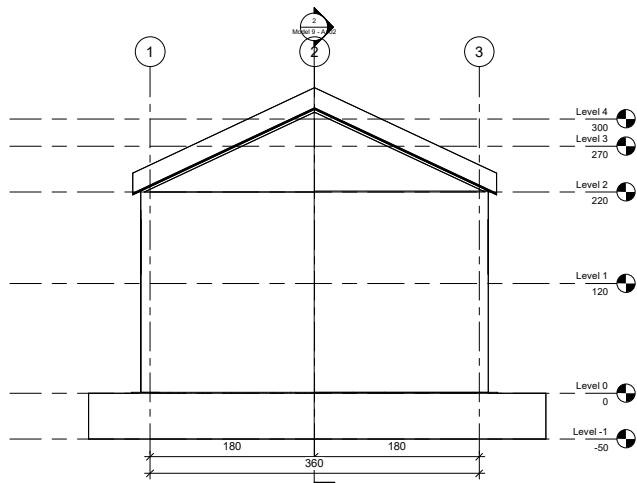
① Level 3  
1 : 25



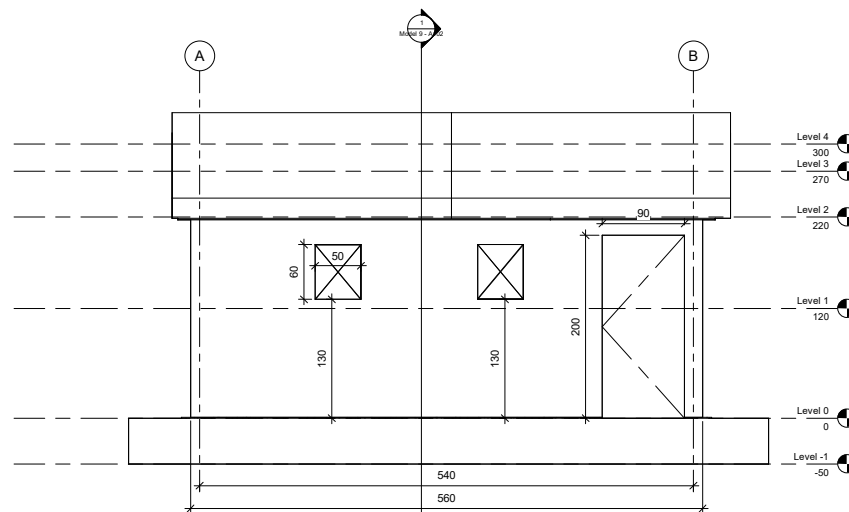
② Level 0  
1 : 25

<b>Tihama - Cement Block Wall</b>	
Plans	
Project number	0001
Date	11-3-2024
Drawn by	Shelter Cluster
Checked by	Shelter TWIG
<b>Model 9 - A103</b>	
Scale	1 : 25

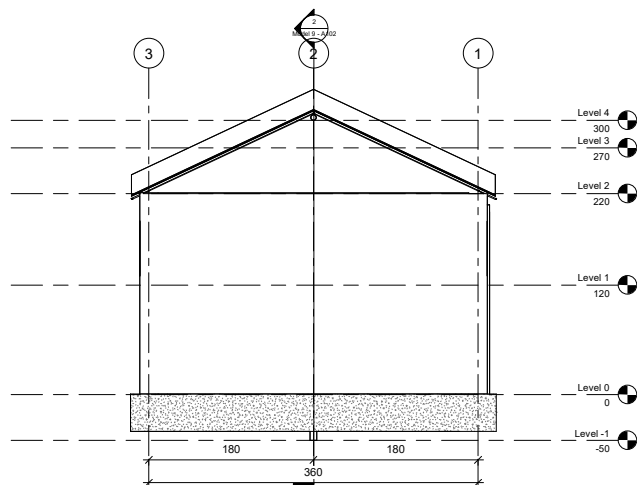
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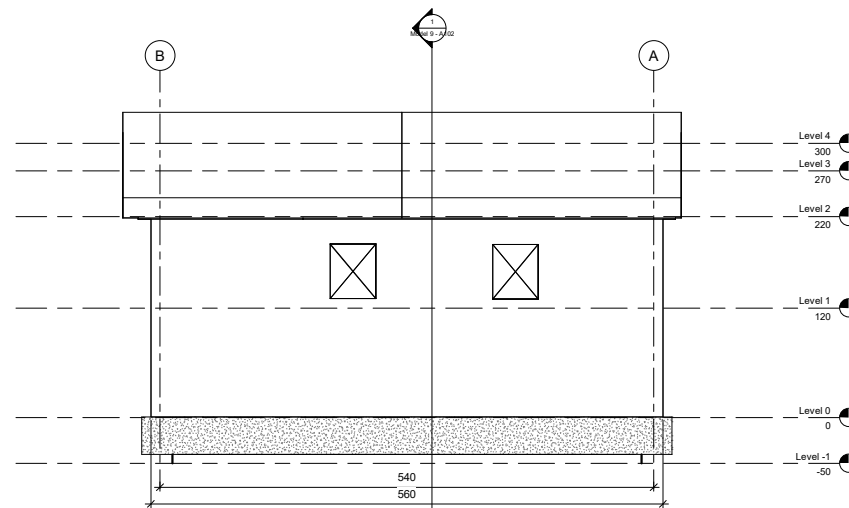
① East  
1 : 25




② South  
1 : 25



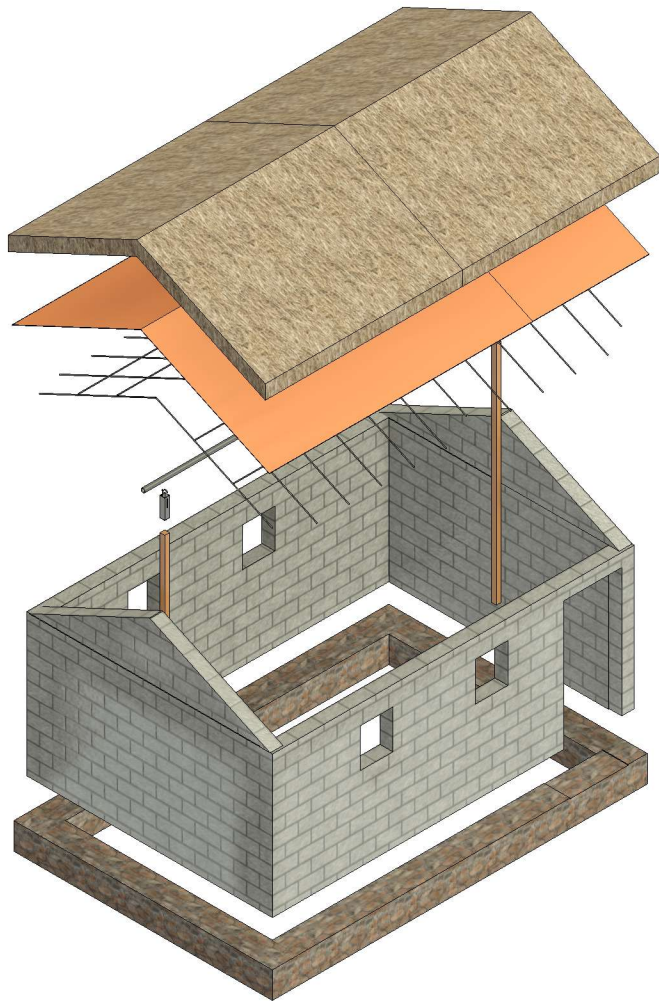
③ West  
1 : 25



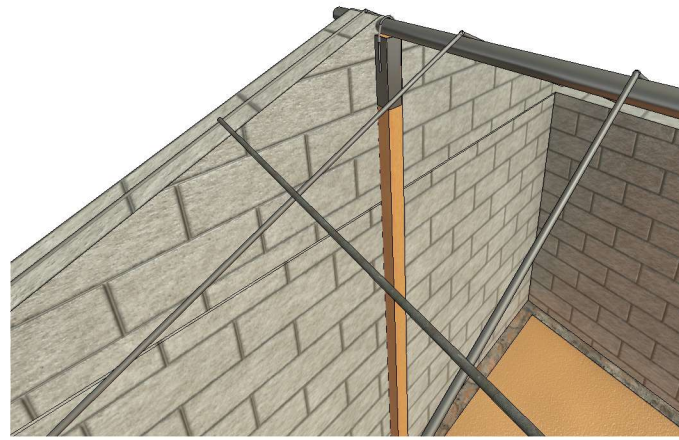
④ North  
1 : 25

 YEMEN SHELTER CLUSTER Cova and setting of people in shelter and settlement	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama - Cement Block Wall</b>	
Elevation	
Project number	0001
Date	11-3-2024
Drawn by	Shelter Cluster
Checked by	Cluster TWiG
<b>Model 9 - A104</b>	
Scale	1 : 25


11/4/2024 2:30:56 PM



② 3D Structure Parts



① 3D View for Connection

 <small>Covering the needs of shelter and settlement</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<b>Tihama - Cement Block Wall</b>	
<b>3D View Parts</b>	
Project number	0001
Date	11-3-2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 9 - A105</b>	
Scale	

11/4/2024 2:31:01 PM

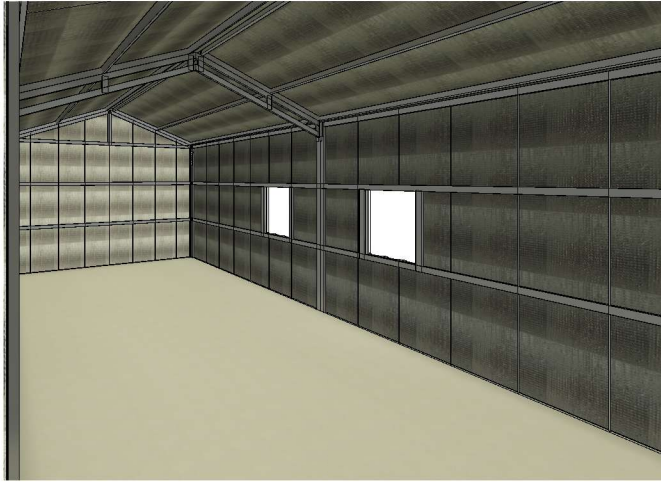


# YEMEN SHELTER CLUSTER

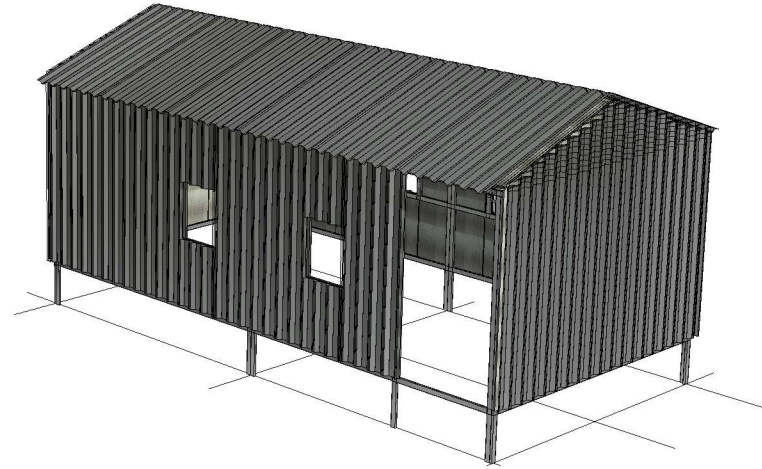
Coordinating Humanitarian Shelter and Settlements

## Model 10 – Caravan Transitional Shelter

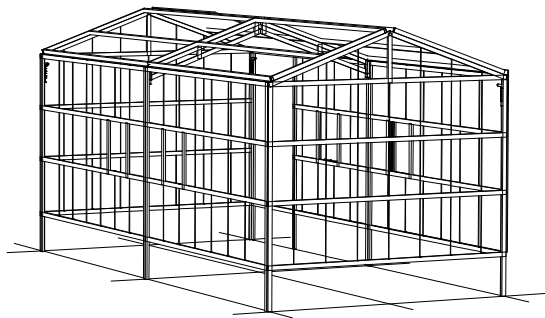




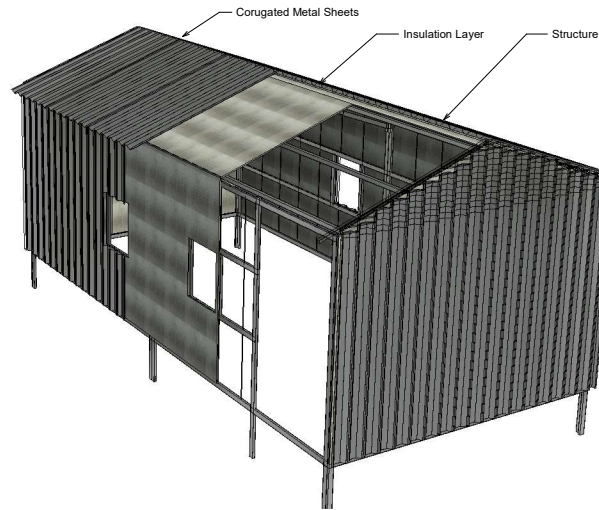
① 3D View From Inside




② 3D View From Outside

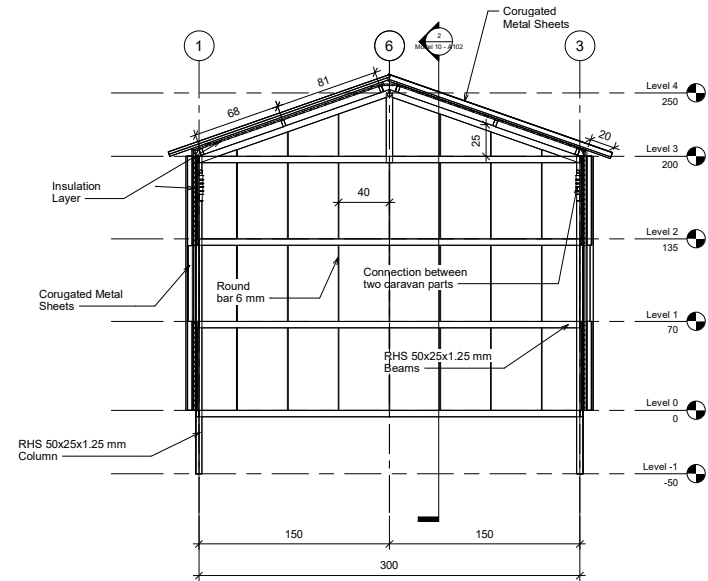


④ 3D View For Structure

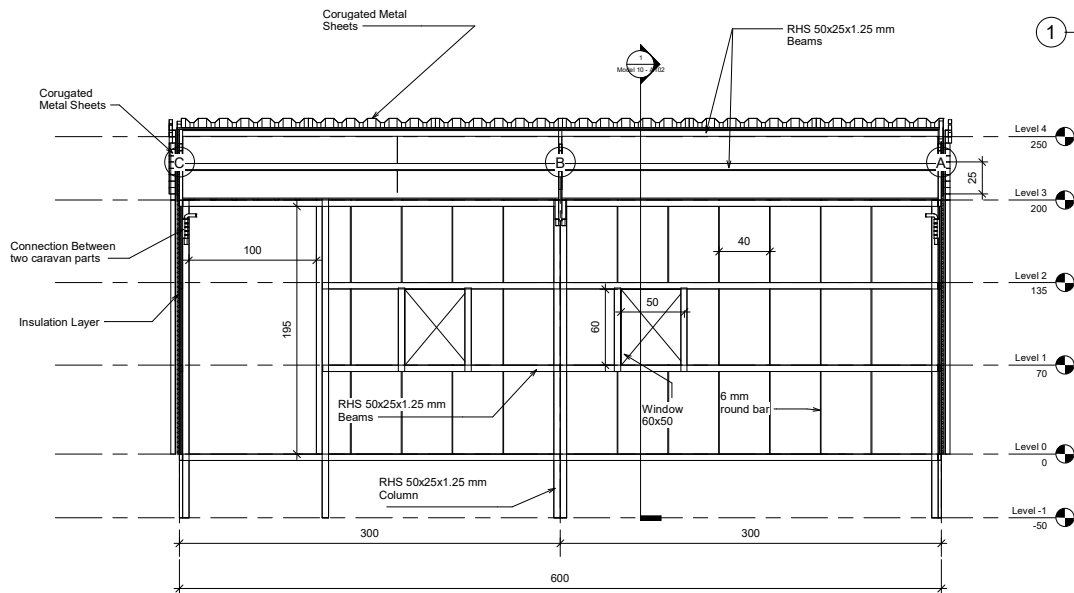


③ 3D View Shells

 <small>Coordinating International Shelters and Settlements</small>	
<a href="http://www.shellercluster.org/mena/yemen">www.shellercluster.org/mena/yemen</a>	
<b>Caravan Design</b>	
<b>3D Views</b>	
Project number	0001
Date	March 2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 10 - A101</b>	
Scale	

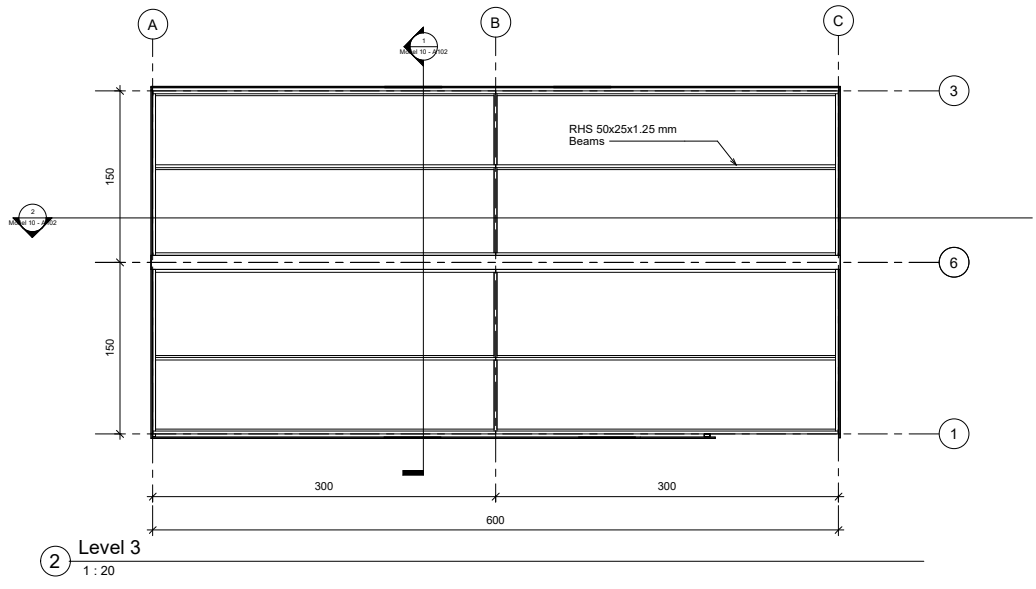
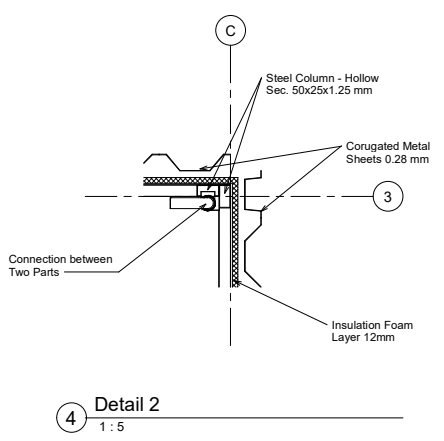
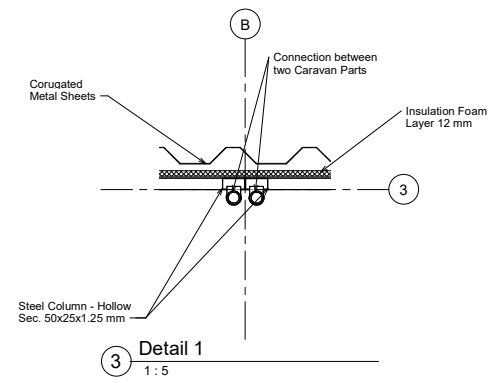
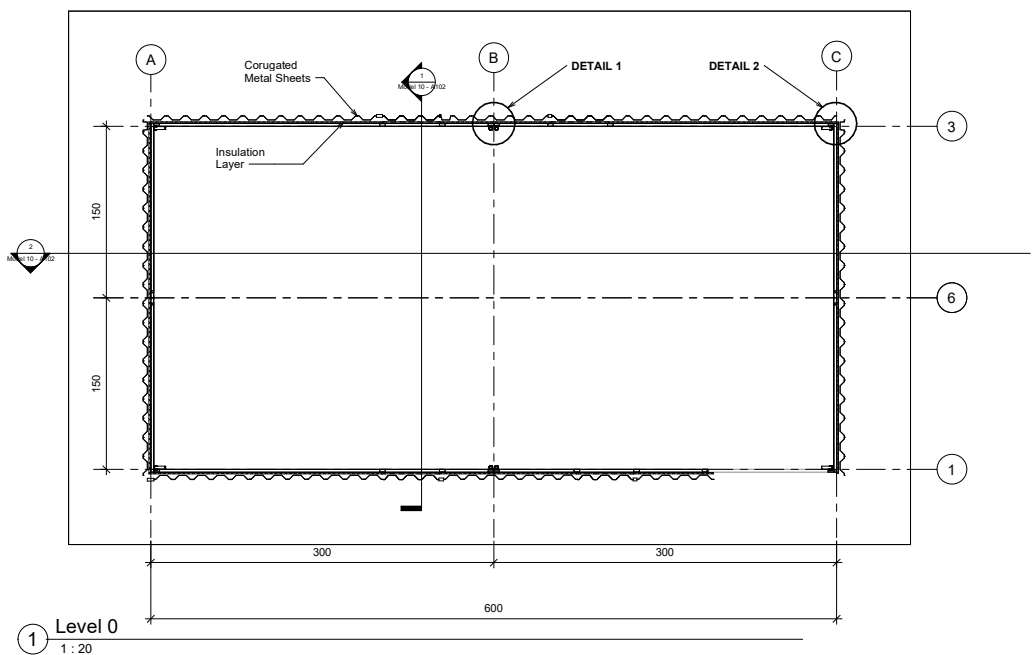



1 Section 1  
1 : 18



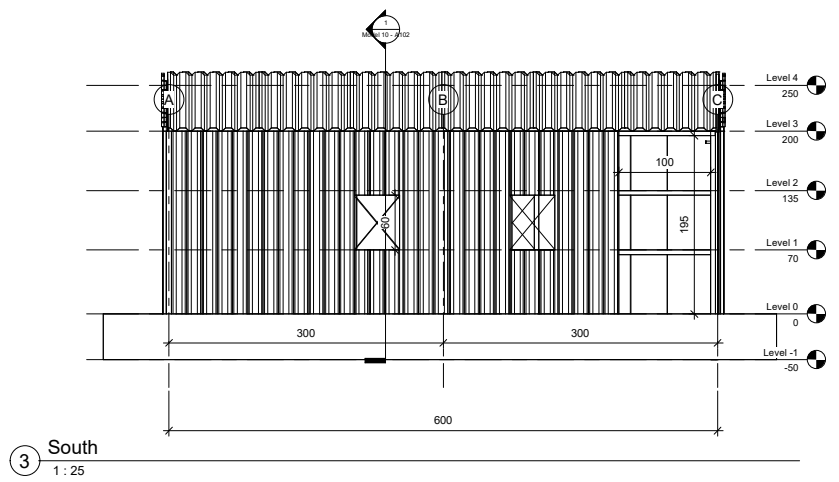
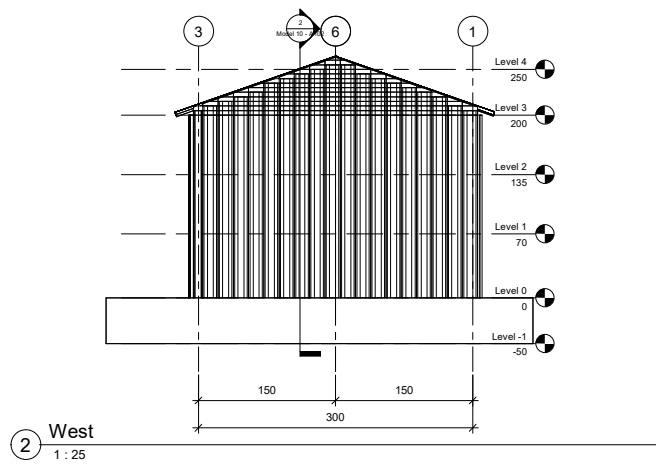
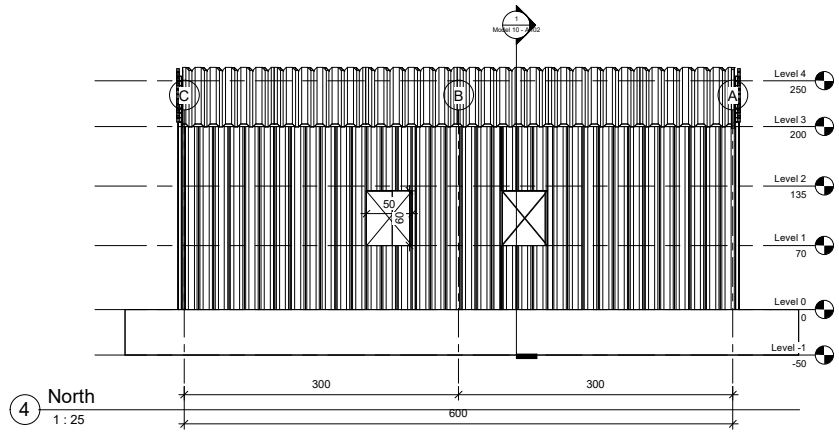
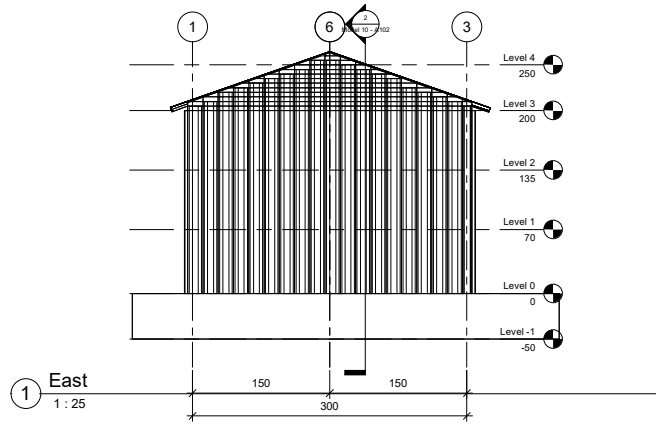
2 Section 2  
1 : 18


 <b>YEMEN SHELTER CLUSTER</b> <small>Covering the most vulnerable shelter and settlement</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<h3>Caravan Design</h3>	
<h4>Sections</h4>	
Project number	0001
Date	March 2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<h2>Model 10 - A102</h2>	
Scale	1 : 18



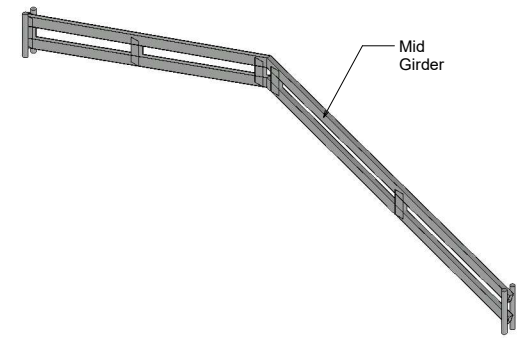
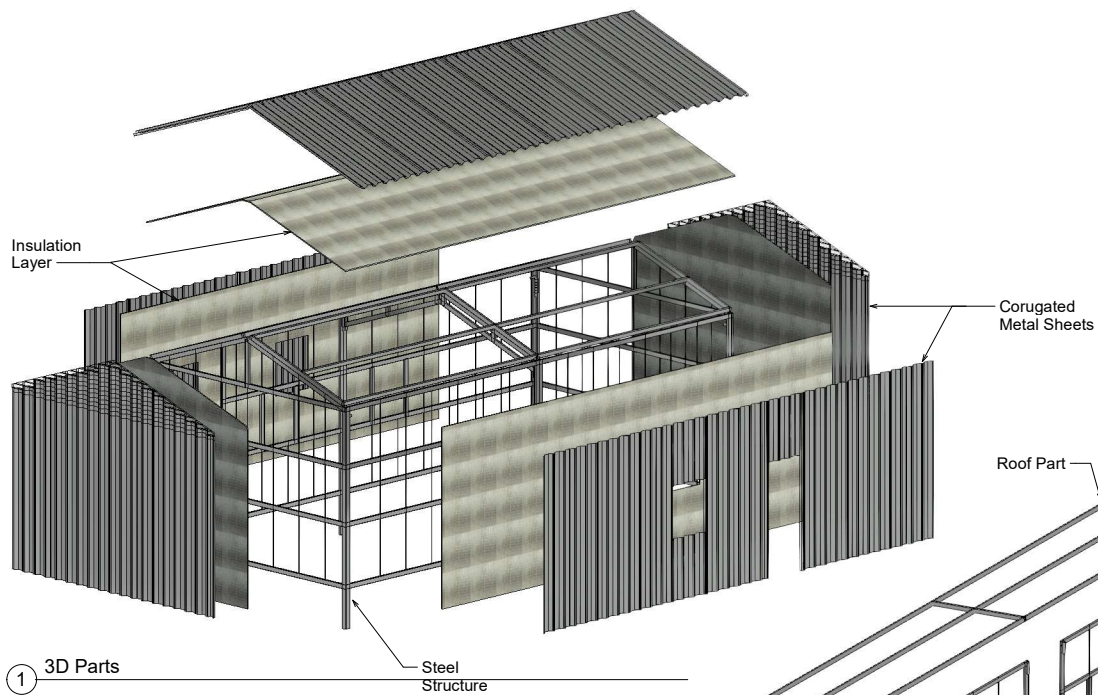
 YEMEN SHELTER CLUSTER Covaalidating (Hawash) shelter and settlement	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
Caravan Design	
Plans	
Project number	0001
Date	March 2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<b>Model 10 - A103</b>	
Scale	As indicated

9/12/2024 11:33 PM

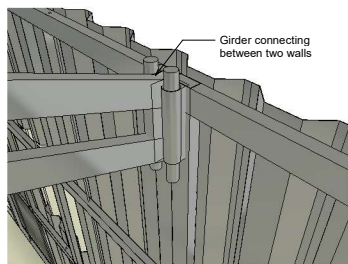
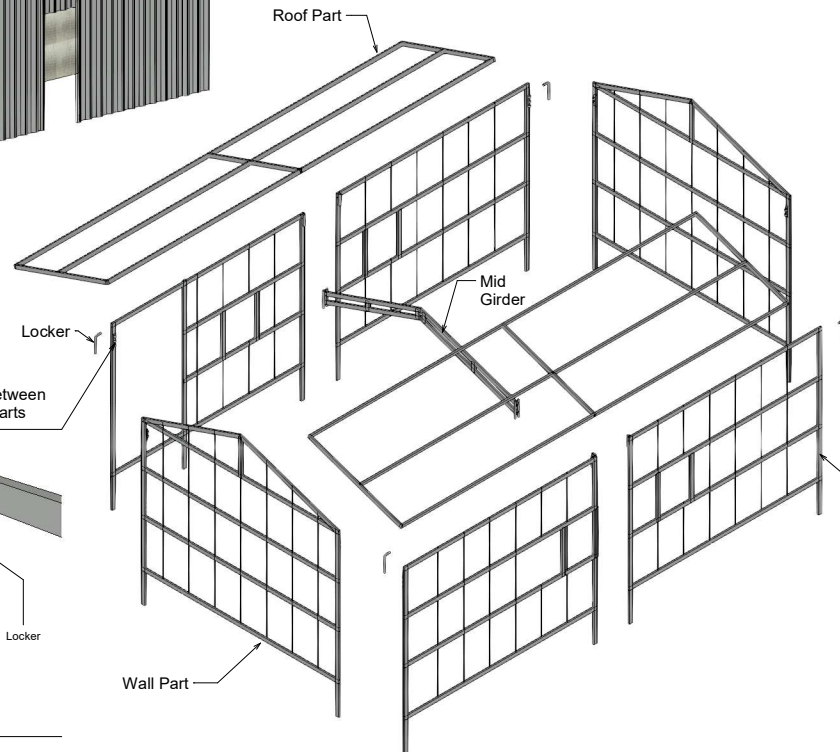


 <b>YEMEN SHELTER CLUSTER</b> <small>Covering the Needs of the Sheltered and Settlers</small>	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
<h3>Caravan Design</h3>	
<h3>Elevation</h3>	
Project number	0001
Date	March 2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWiG
<h2>Model 10 - A104</h2>	
Scale	1 : 25

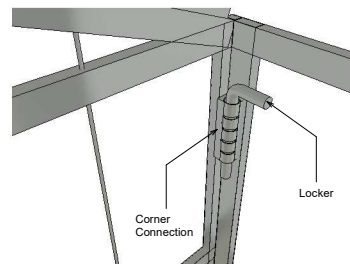
9/12/2024 11:35 PM




③ 3D Parts - Structural - Girder

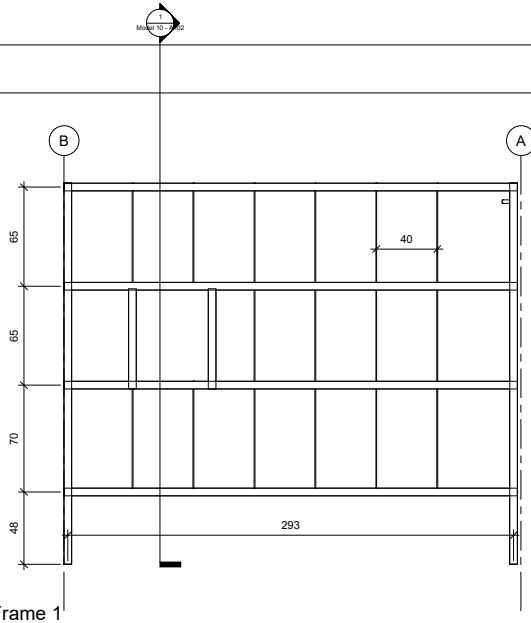


④ Mid Connection 1

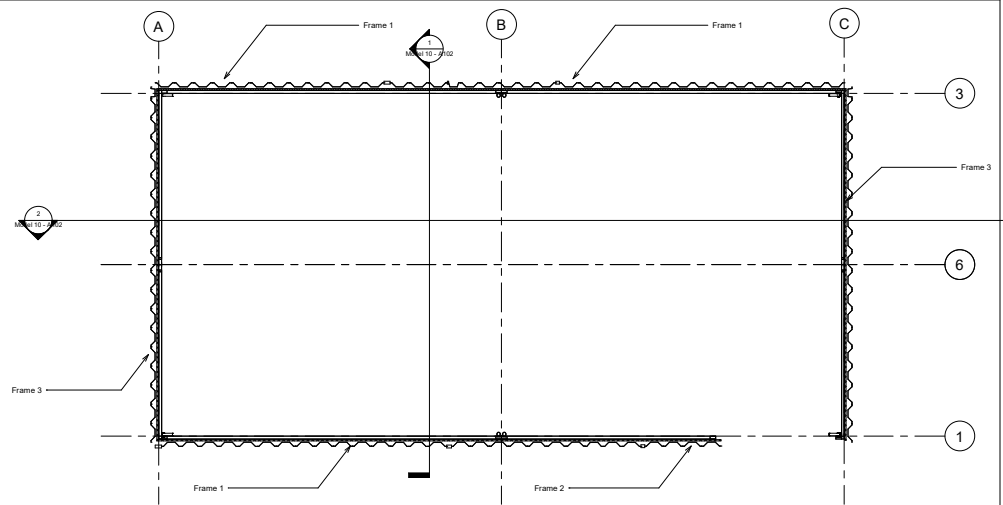


⑤ Corner Connection

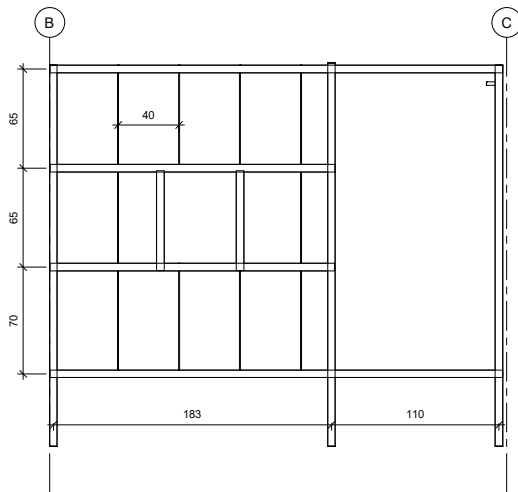
 YEMEN SHELTER CLUSTER Covaalstelling (Hawash) Shelter and Settlements	
<a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
Caravan Design	
Wall part	
3D Views (Parts)	
Project number	0001
Date	March 2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
Model 10 - A105	
Scale	



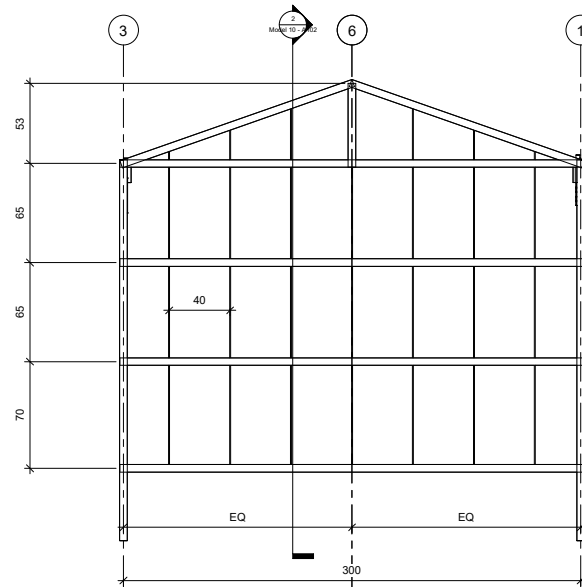
1 Wall Frame 1  
1 : 15




4 Level 1  
1 : 20



2 Wall Frame 2  
1 : 15



3 Wall Frame 3  
1 : 15

 YEMEN SHELTER CLUSTER Coordinating International Shelters and Settlements <a href="http://www.sheltercluster.org/mena/yemen">www.sheltercluster.org/mena/yemen</a>	
Caravan Design	
Caravan Parts	
Project number	0001
Date	March 2024
Drawn by	Aiman Zoraiky
Checked by	Shelter TWIG
<b>Model 10 - A106</b>	
Scale	As indicated