chiyadia Satyani Tripatra SAF		gas	TANGGUH EXPANSION PROJECT	- 🐔	bp	TRACTUS		
Supplier Name:				PT. Tractus Multi Services				
Purchase Order Title:				Pioneer Camp 400POB				
Equipment Tag Number(s):				<u> </u>				
Supplier (Internal) Document No:				TGH-PNR400POB-CON-001A				
Linked to Global Agreement No:				NA				
		CSTS Doc	ument No:	870310-S-1138366-CIV-F04-0001			001	
		С	ompany Pro	oject Docum	ent Number			
		Project Code	PO Nur	ber SDR Code Seq. No				
		TEP	- 1138:	366 -	S05 -	0002-001		
Work Method of Flat Pack Container								
DOCUMENT REVIEW STATUS								
CODE:			A	В	С	D	E	
NAME:								
SIGNATURE:								
DATE:								
Review Lec	gend							
CODE A		Document is accepted as Final. Supplier shall proceed with manufacture. Any changes to the document shall require resubmission to Company.						
CODE B	Providi shall b	Signifies general acceptance of both quality and content of the document but with minor points to be amended by Supplier. Providing that the comments are incorporated, Supplier may continue with manufacture pending full acceptance. A revised copy shall be returned for final acceptance.						
CODE C	review	The quality and content are considered by Company to be non-compliant and/or unfit for purpose. Such documents shall be reviewed by Supplier to take note of the reasons for rejection and revise them accordingly. The revised document(s) shall then be resubmitted.						
CODE D		Document has been cancelled or voided and does not need to be progressed further. No further action required at time of submission						
Code E	docum	Signifies that prior Company approval is not required and the documents will be incorporated into the EDMS "as is". Individual documents given Code 4 status may be required to be included in a data manual, which will be subject to a collective review and subject at that time to Company approval. No further action required at time of submission.						
<u>Comments</u>	Summary							
Issue Record								
					Sport	And	TA BER	
01	01	17/11/2	016 Is	sued For Review	Wawan	Sopyan	Sabari	
Company Rev No	Sup Rev			eason for Issue	Prepared	Checked	Approved	
		Th	e document cons	ists of this front sh	neet plus <mark>n</mark> pages.	1	1	



# PT TRACTUS MULTI SERVICES



ONSHORE LNG ENGINEERING, PROCUREMENT, AND CONSTRUCTION FOR TANGGUH EXPANSION PROJECT

# WORK METHOD OF FLAT PACK

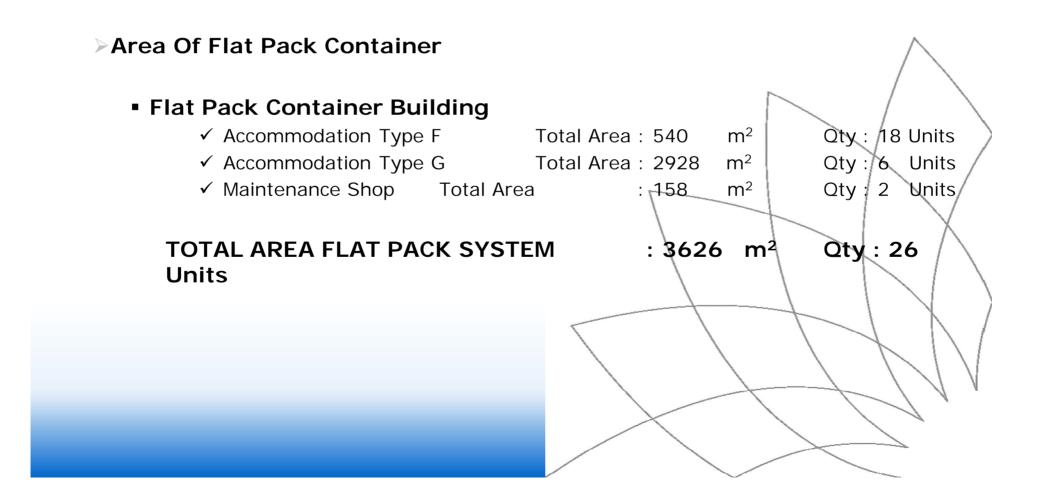






## 1. Scope of Work

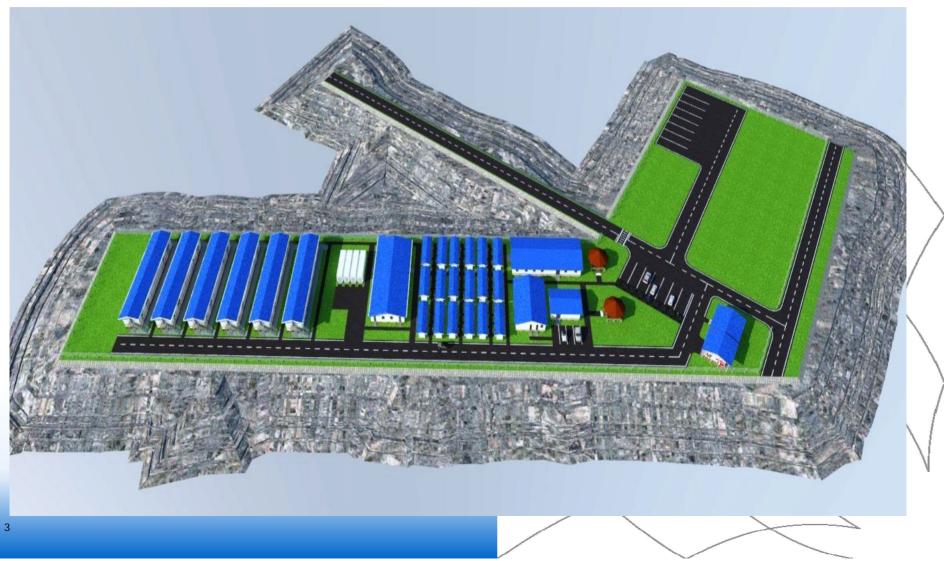
This construction procedure includes general requirements for construction Flat Pack Container Building in Expantion Tangguh Project 400 POB.





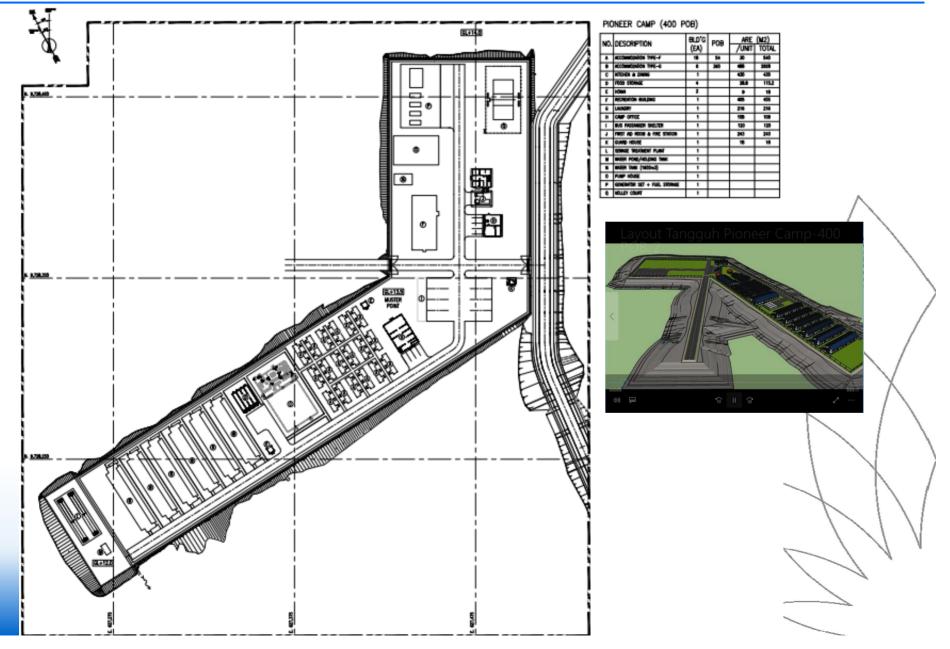


# LAY OUT







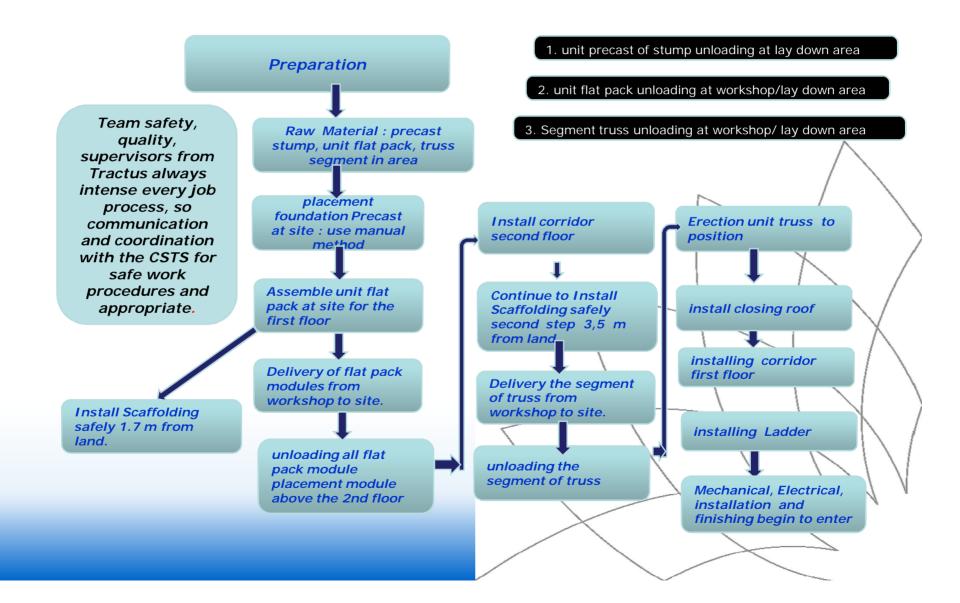




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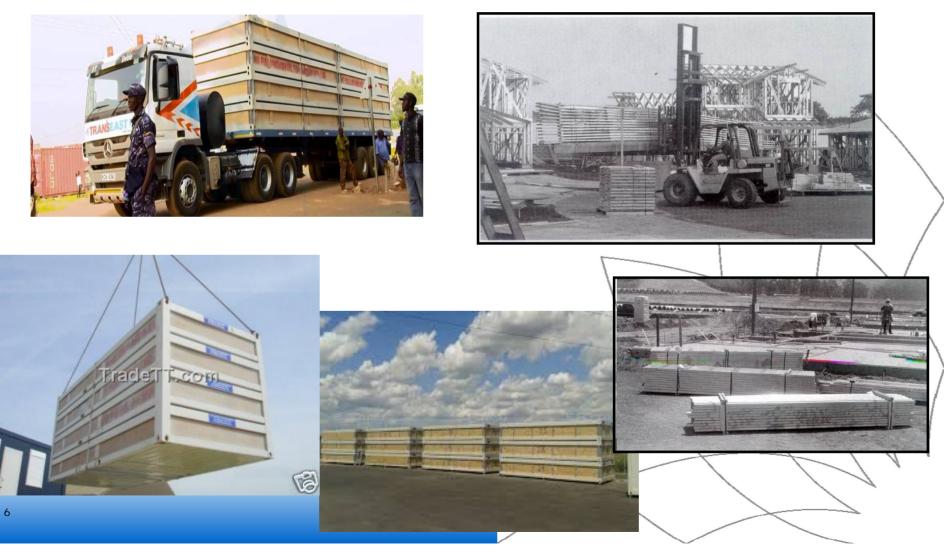
#### - Workflow flatpack







Lay Down Area : flat pack material & Truss material is placed in the lay down area before assembled on site

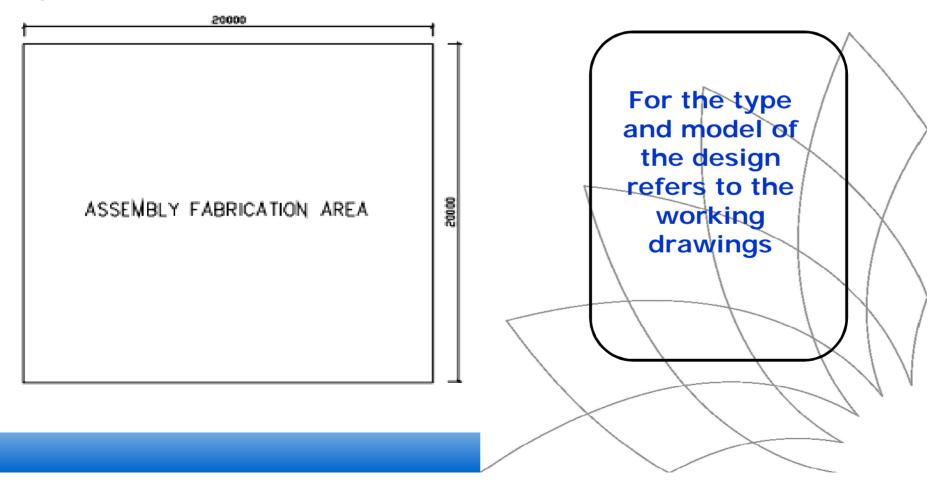






# **PROCESS ASSEMBLY AT WHORKSHOP**

The place of assembly must be adequately adjusted to the order to be made

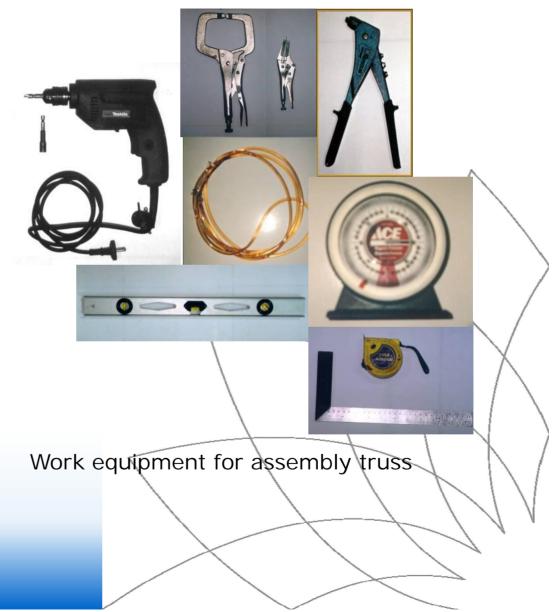








The use of several safety devices and supporting equipment for the assembly and installation of trusses







#### PREPARATION BEFORE TO DELIVERY TO THE LOCATIONS



The measuring process of panel formed



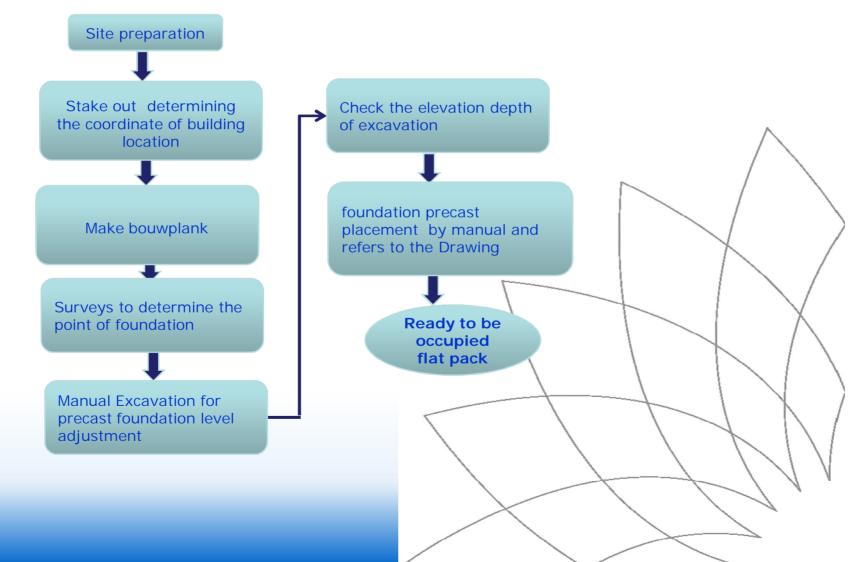
grouping the type of order before being brought to the site

11 97





# Fondation Work Work of method placement Foundation Precast.

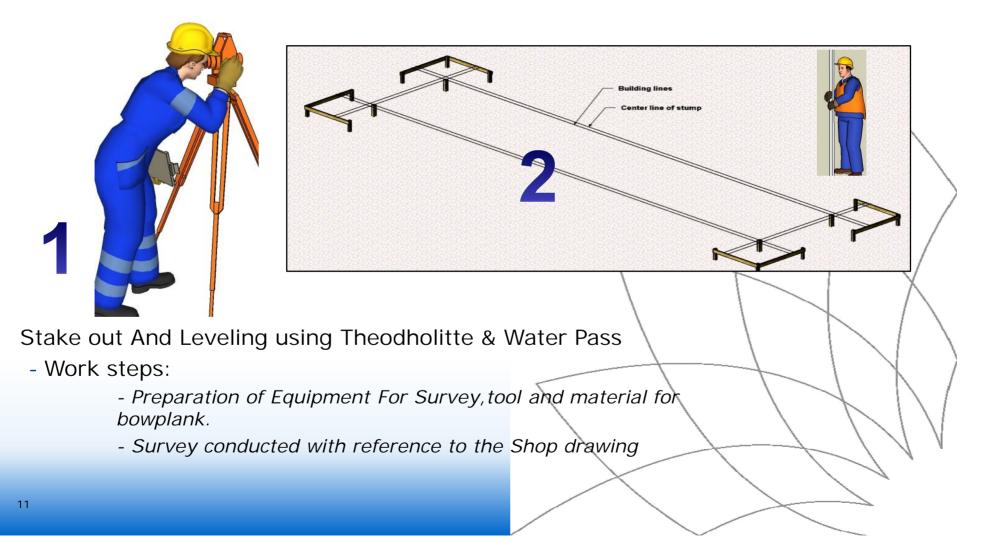






# 1. Site Preparation & Manual excavation

- Stake Out : the determination of the points of the building, foundation and elevation using a theodolite and water pass







# 2. Manual excavation depth according to drawing and follow the contour locations



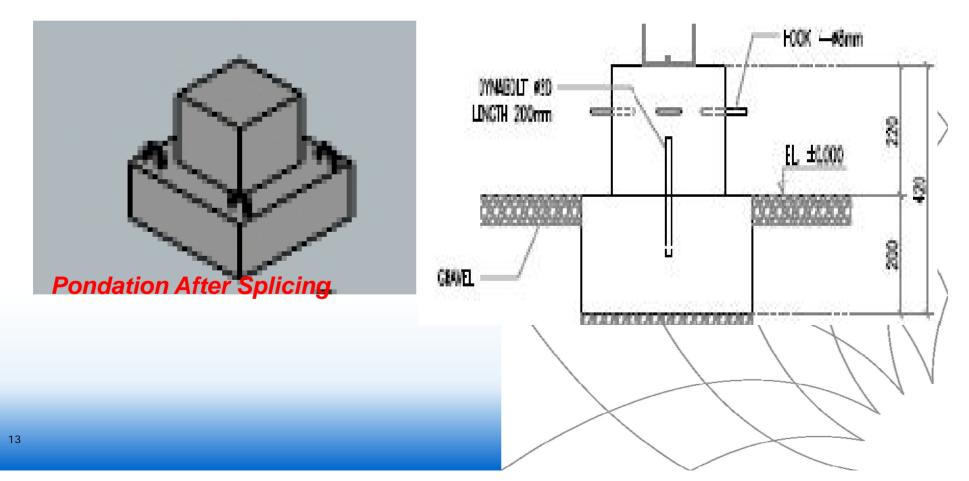
- Preparation of Equipment For manual excavation
- Surveyor re-check the appropriate depth of drawing with water pass





# 3. Splicing foot pedestal foundation by using Dynabholt

- Preparation location for splicing fondation.
- Preparation Equipment medium risk (cainblock, webbing sling)
- Manual lifting method and lifting with the cainblock.

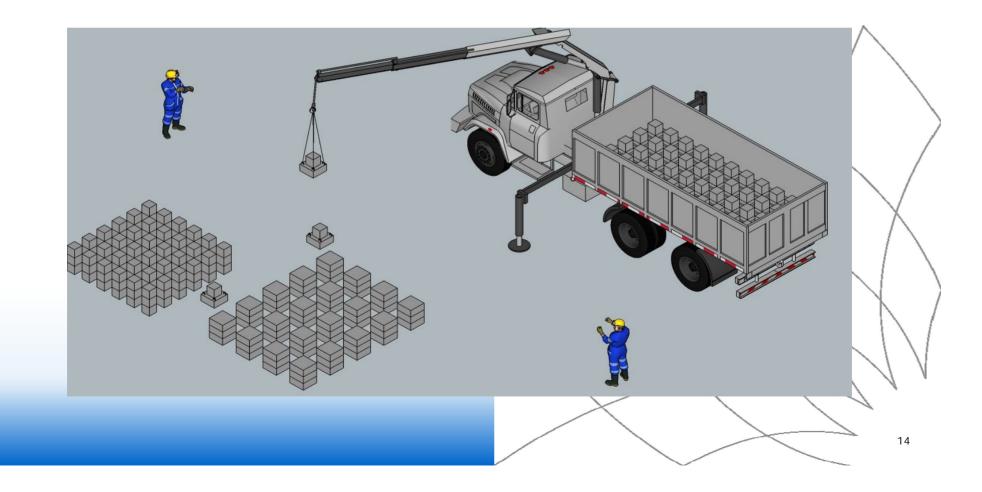






# 4. LOADING / UNLODING of PRECAST PONDATION TO LOCATIONS

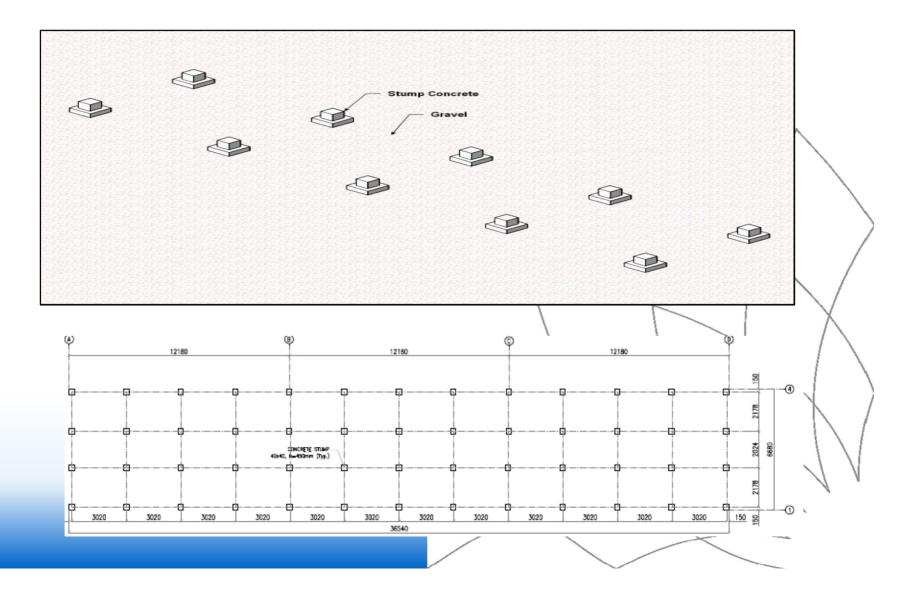
- Preparation location for lifting of precast fondation.
- Preparation Equipment higt risk (TMC, webbing sling and tool)
- Lifting and Delivery to location use TMC







#### FOUNDATIONS PRECAST FINISHED AND UNIT FLATPACK READY TO PLACED ACCORDING STANDART LAYOUT AND SHOP DRAWING.

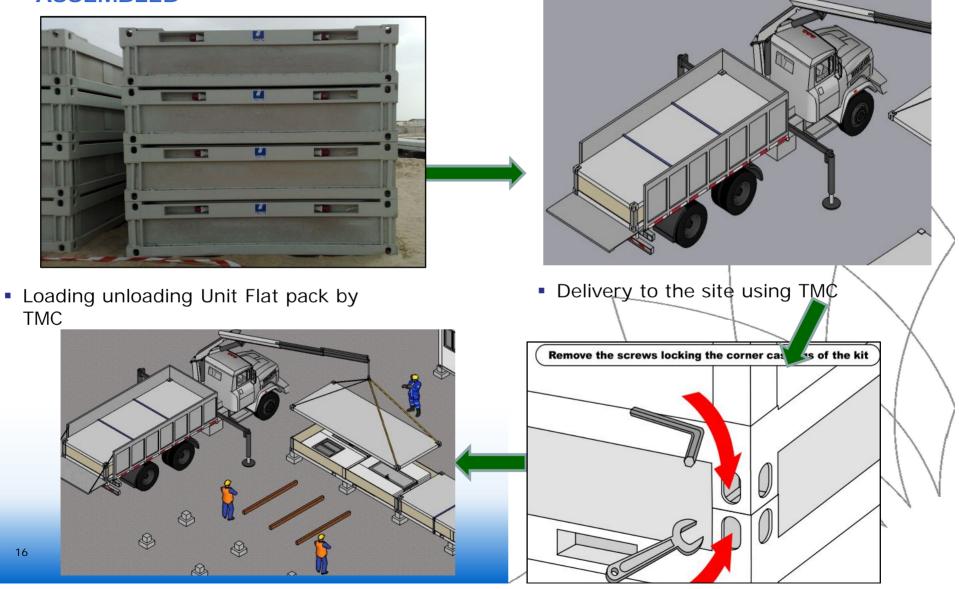


15





#### 5. MATERIAL FROM THE LAYDOWN TO BRING TO LOCATIONS FOR ASSEMBLED

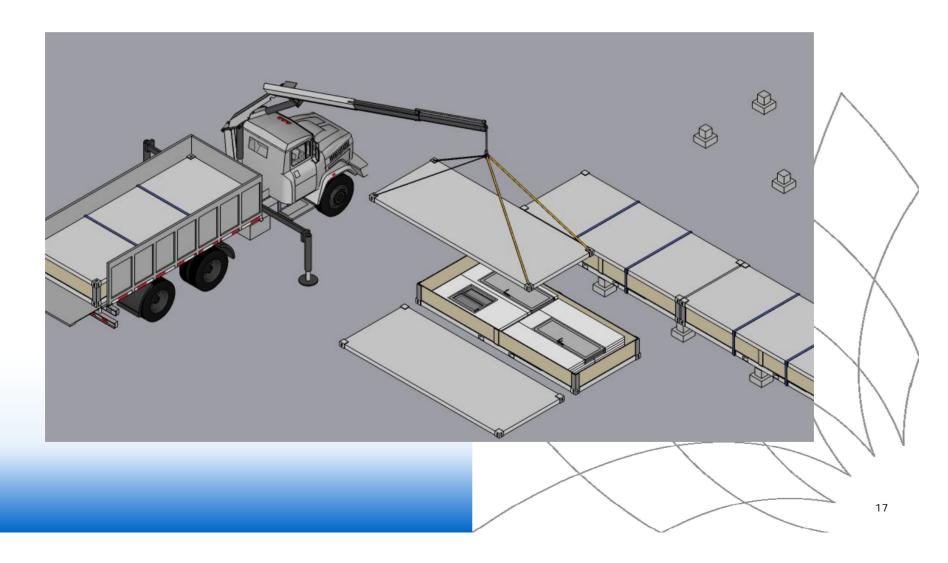






### 6. ASSEMBLE FLATPACK

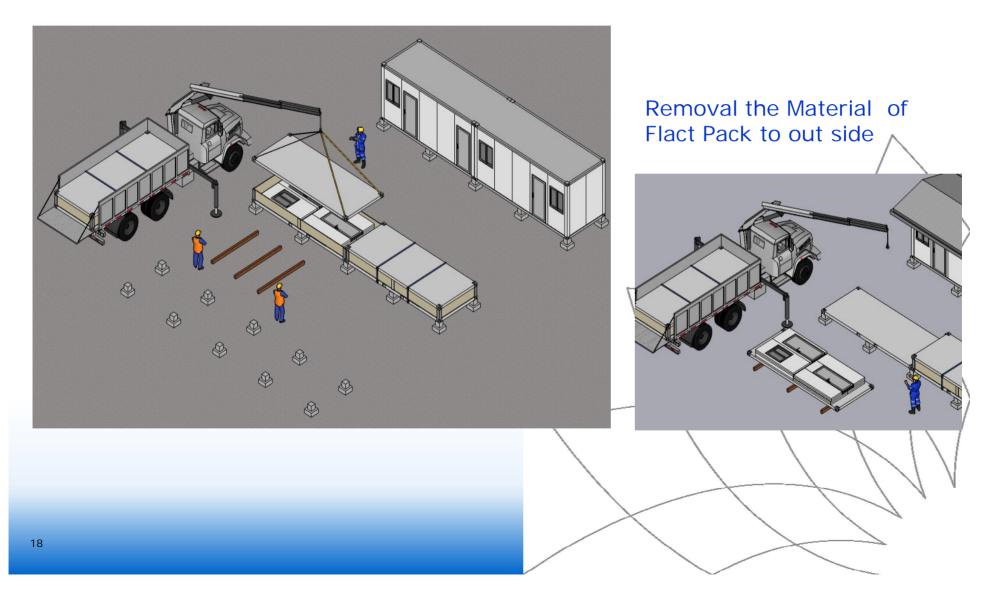
Assembling at site







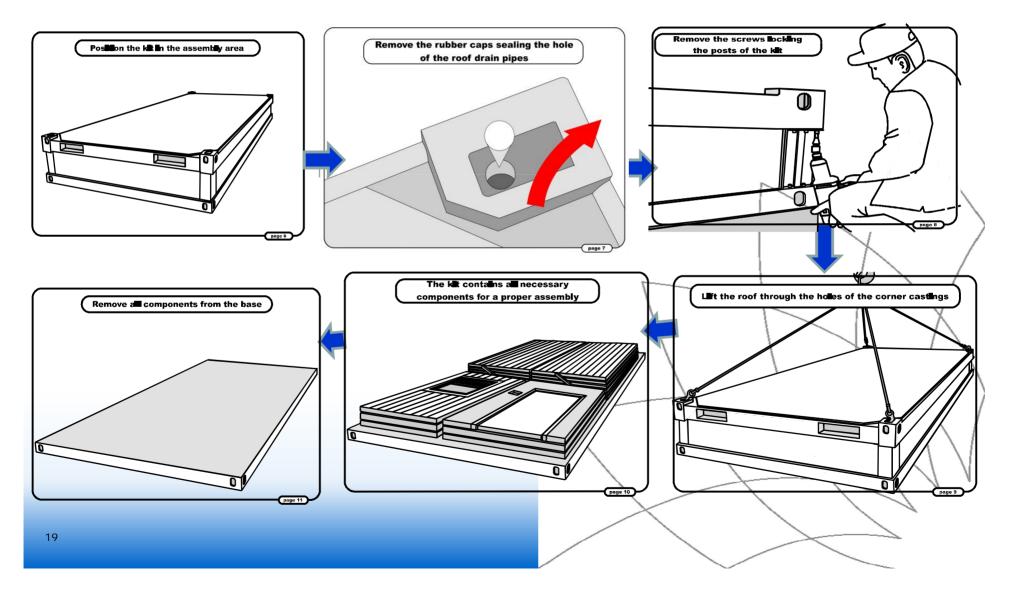
### Removal the cover of Flact Pack using Truck Mini Crane







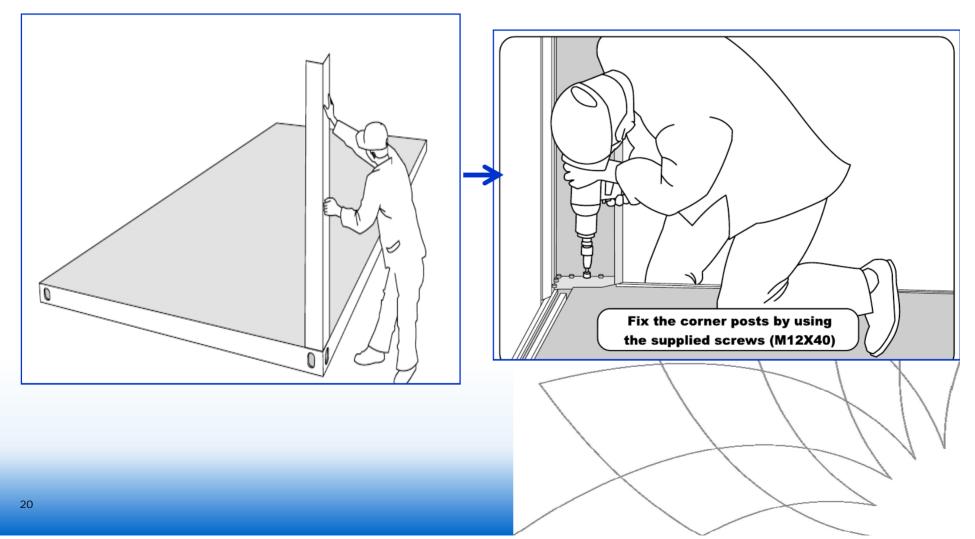
# Flat pack assembly process







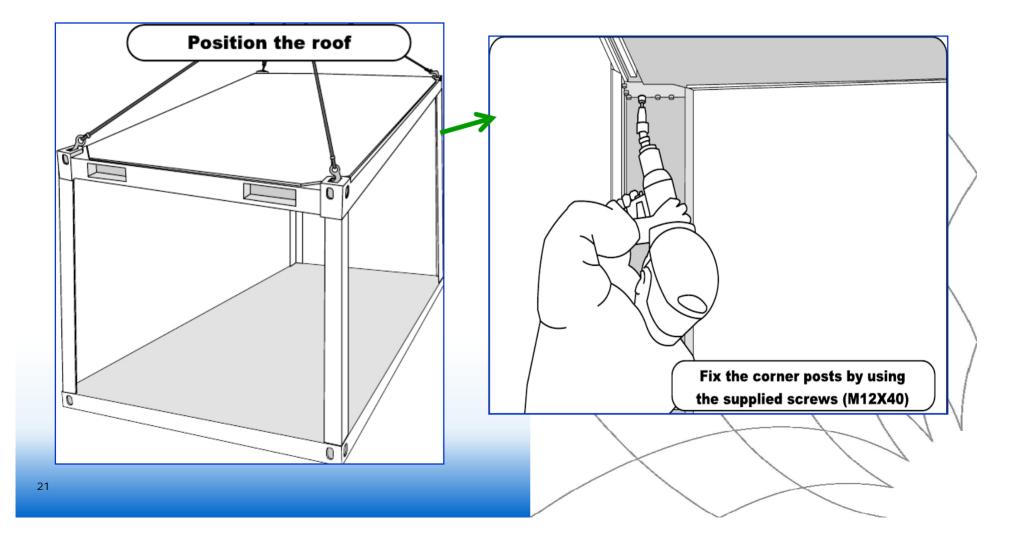
 Install the column (corner post ) and fix the corner post by using the supplied screw (m12x40)







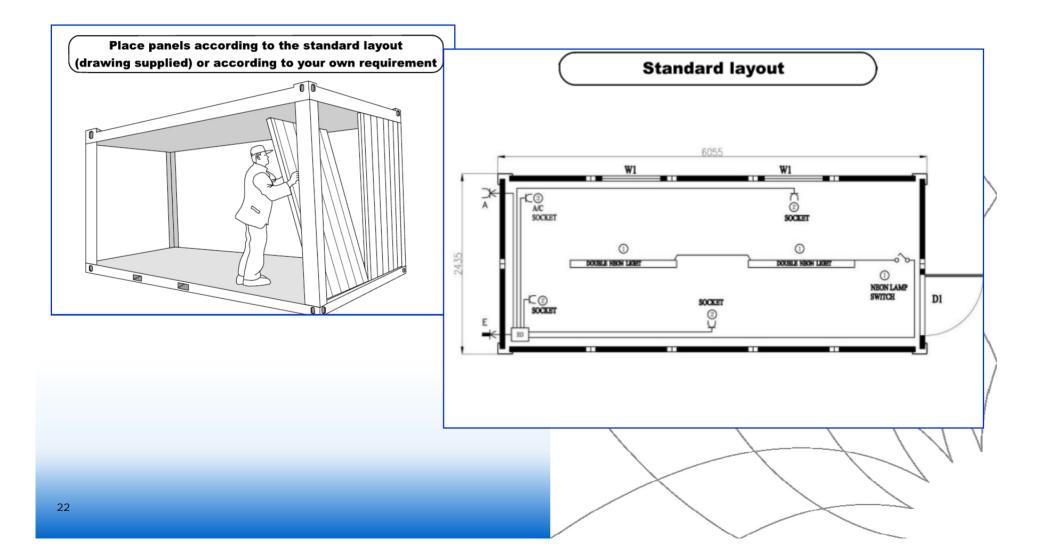
 Lift the cover ( the roof ) Using TMC and fixed corner post by using the supplied screws (m12 x 40 ).







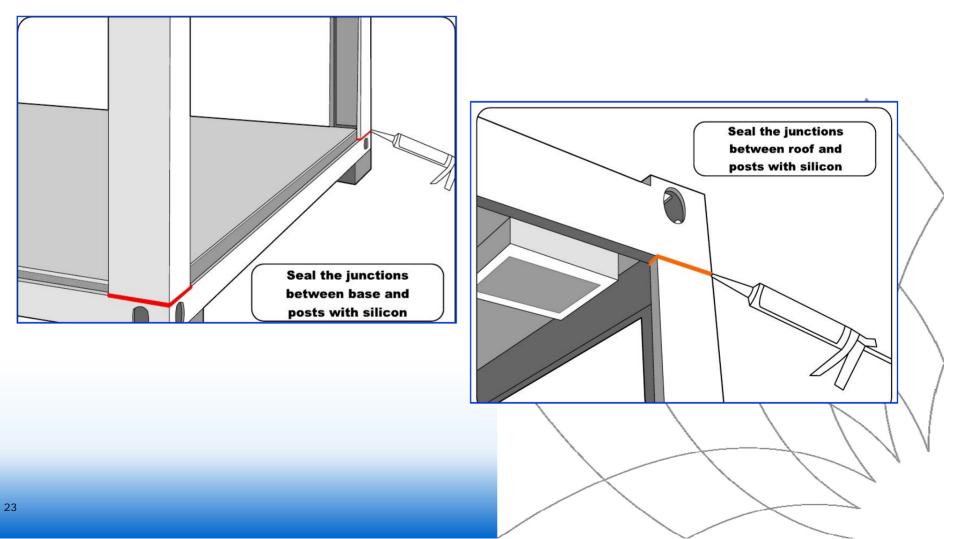
# Place panels according to the standard layout.







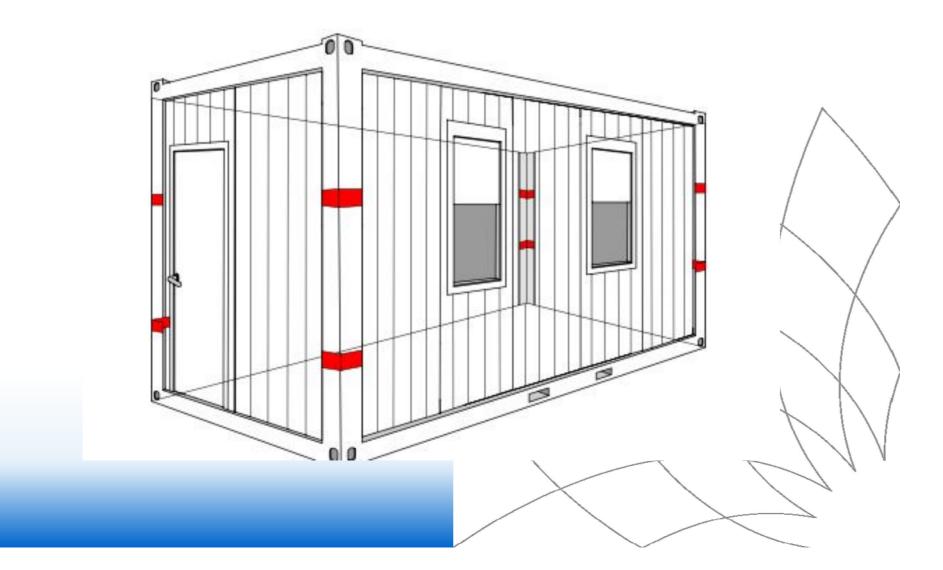
 Seal the junctions between base and post, roof and post with silicon.







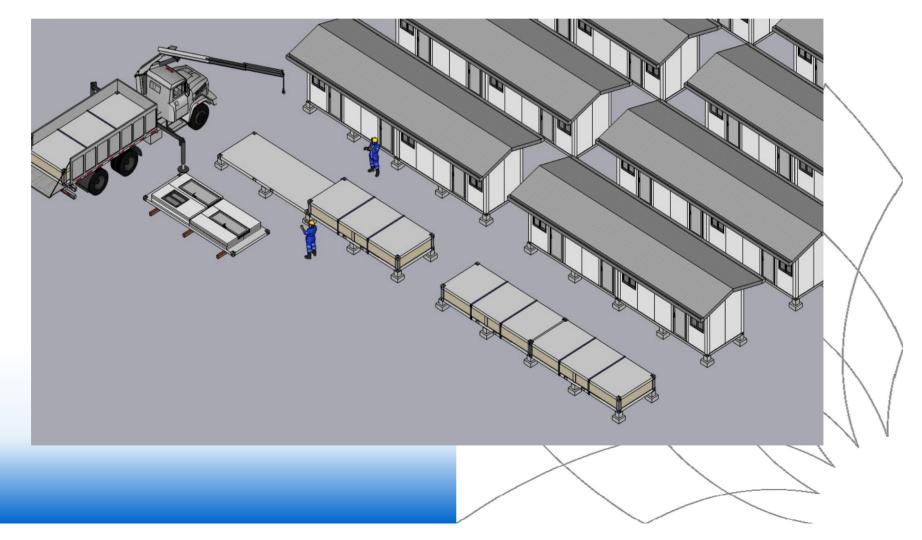
# Detail of the position of corner posts reinforcements)







# Some units flat pack have been attached appropriate lay out and shop drawing







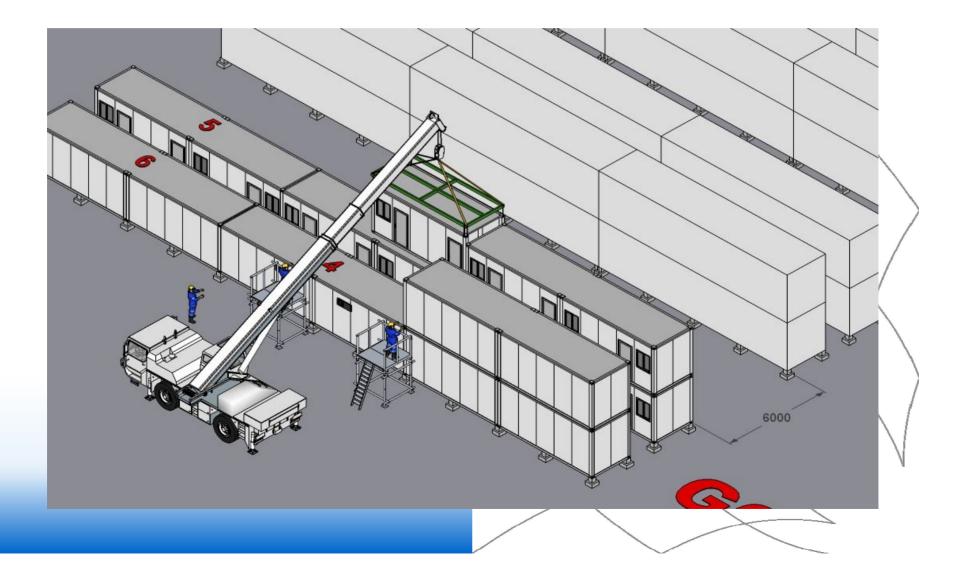
# 7. Lifting unit of flat pack for second floor

- Manufacture scaffolding safely on four corner units flat pack
- Team lifting workers, supervisors, team assembly, & Team safety is ready and working according to the standard procedure of each.
- all the lifting work equipment is ready on site.





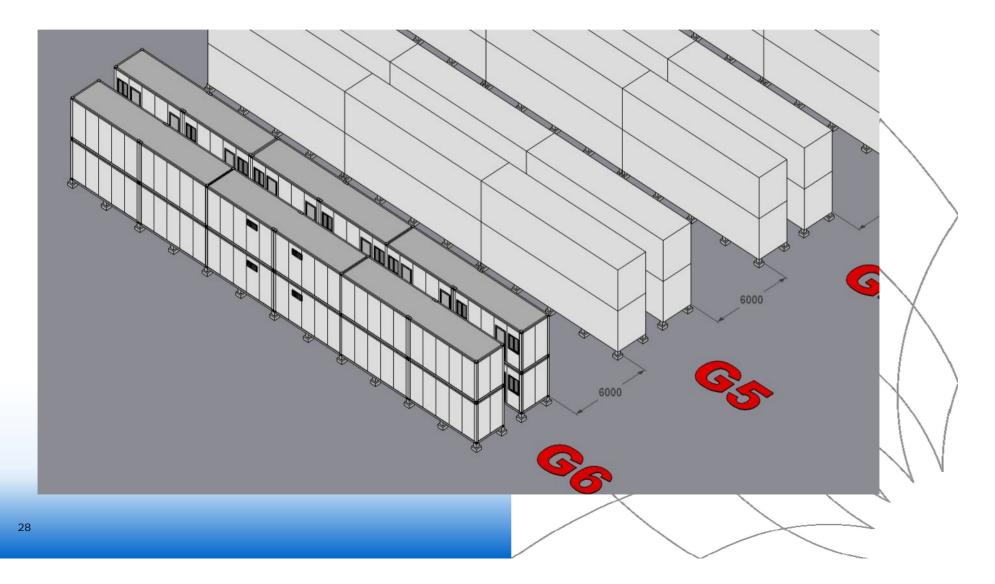
Erection to scond Floor Using Crane 35 Ton







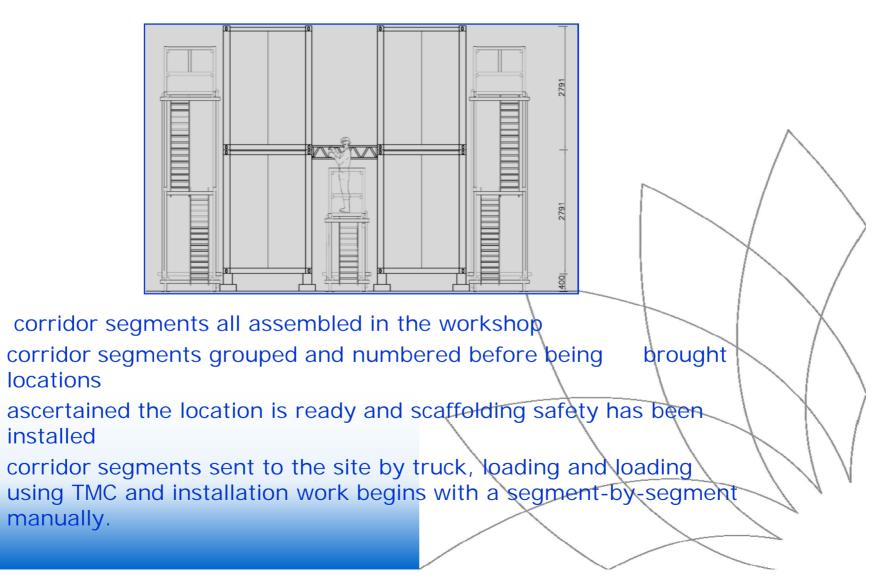
# Installation Flat Pack for Type G was Finished







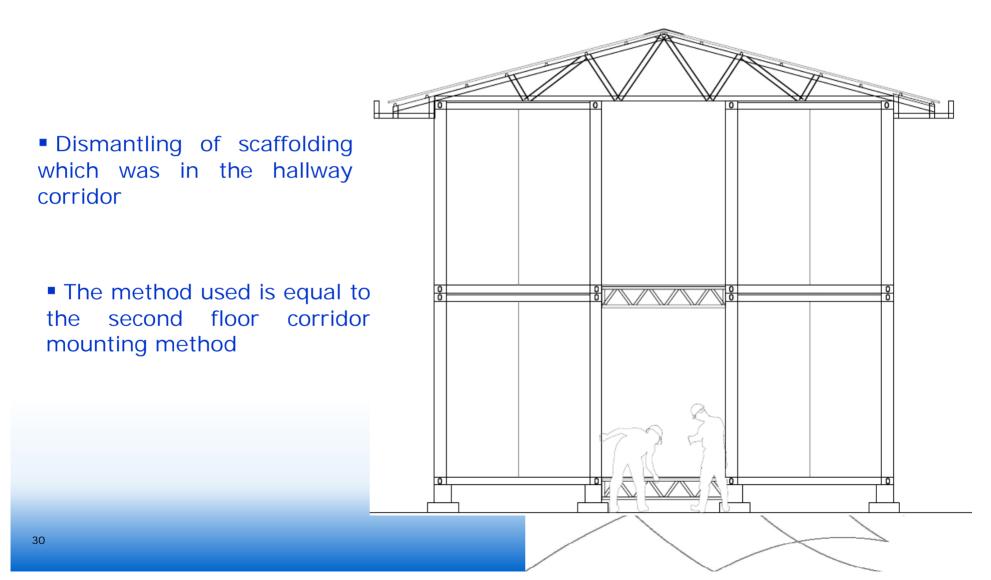
# 8. Install the corridor for second floor







## 9. INSTALLING THE FIRST FLOOR CORRIDOR

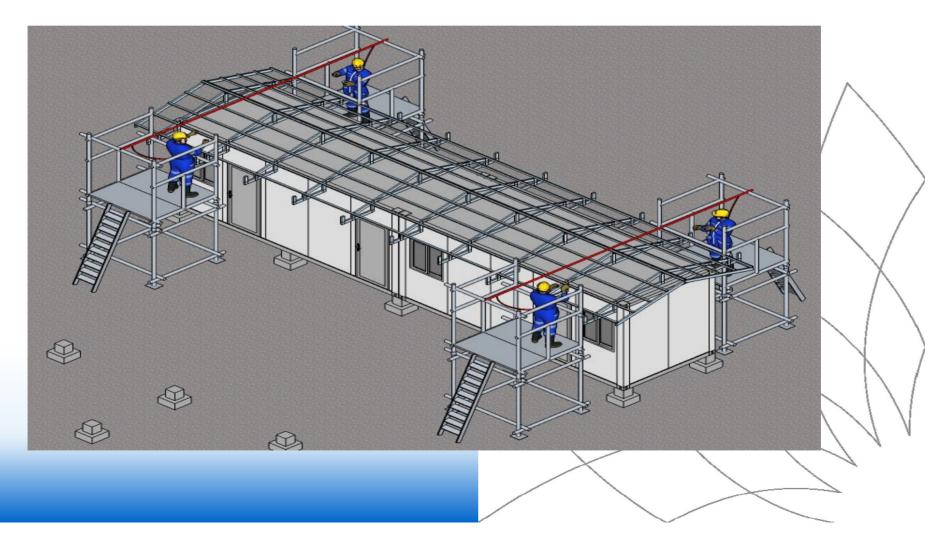






# **10. Erection the roof truss**

For type F, erection by manual



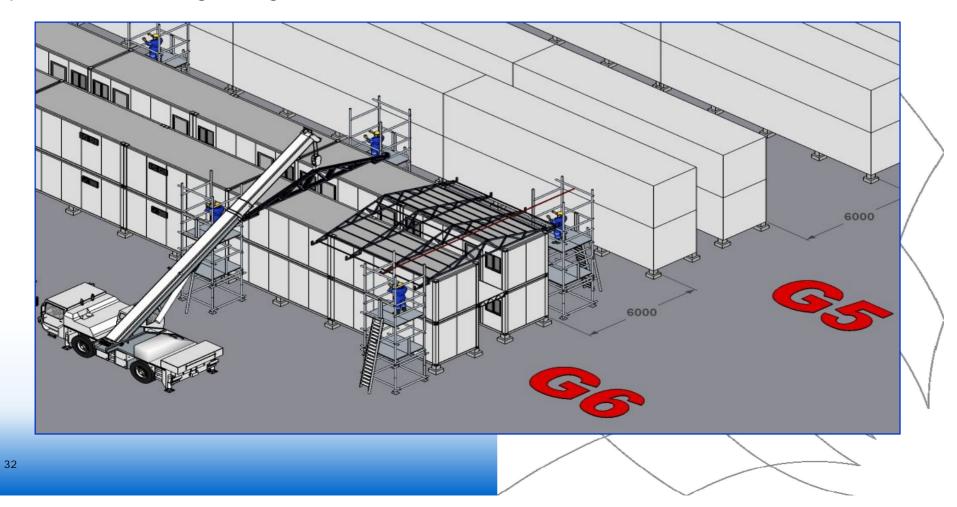




# **Erection the roof truss for type G**

#### Lifting by Crane

in this work we use the scaffolding safety and life line in fulfilment of the standard procedure of working at height





33



## 11. Installing roof closing

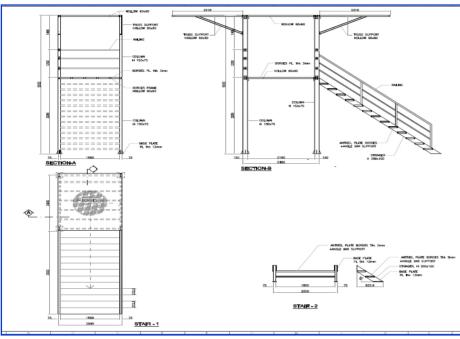
Guidelines for installation In order to lift watertight longitudinal ribs are advised to use the lift screw mounted in the middle distance ride on the roof with a pedestal spacing> 950 mm. There are side cover roof tops in standard form corresponding images.







# **12. INSTALLING THE LADDER**





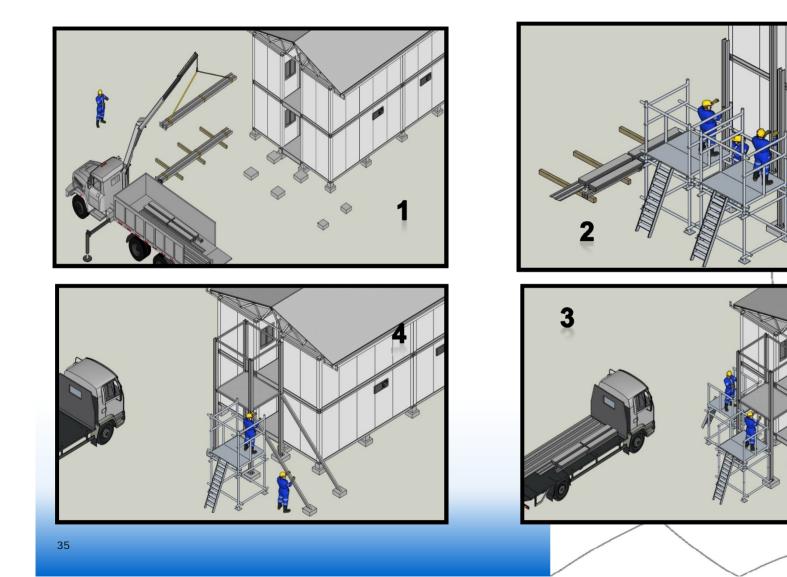
Ladders all assembled in the workshop

- Installation of foundations stump stairs at position
- Ascertained the location is ready and scaffolding safety has been installed
- Lifting column on the foundation
- Lifting installation borders
- Lifting installation of a series of stairs and handrail



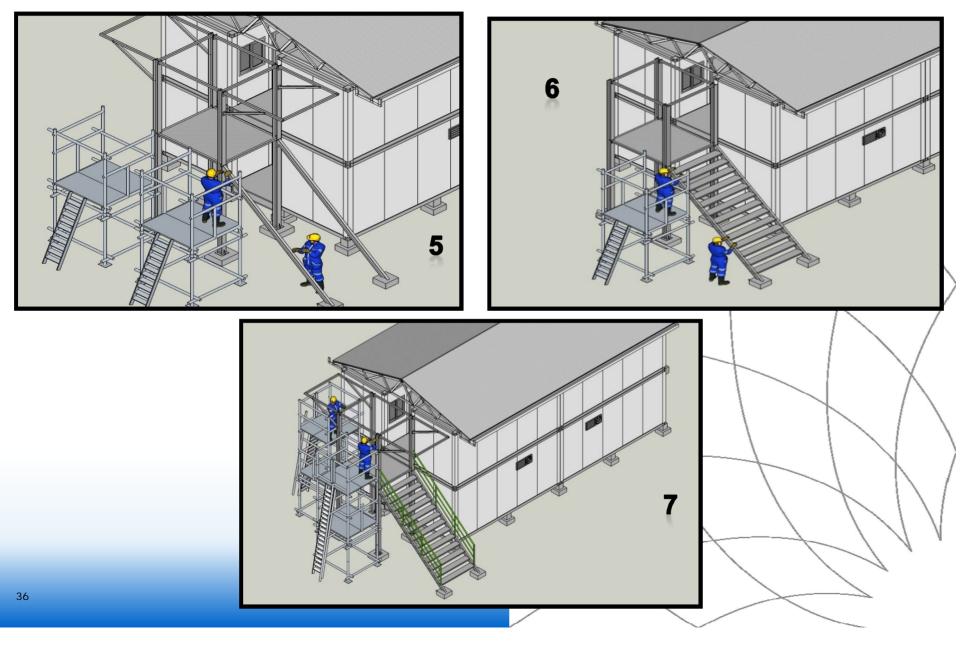


# The Process lifting Components of Ladder





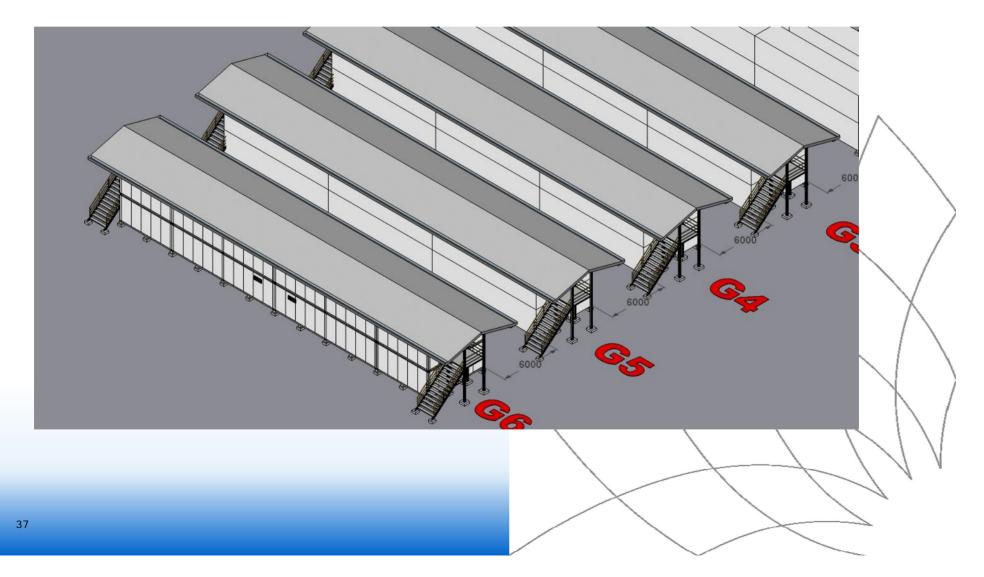








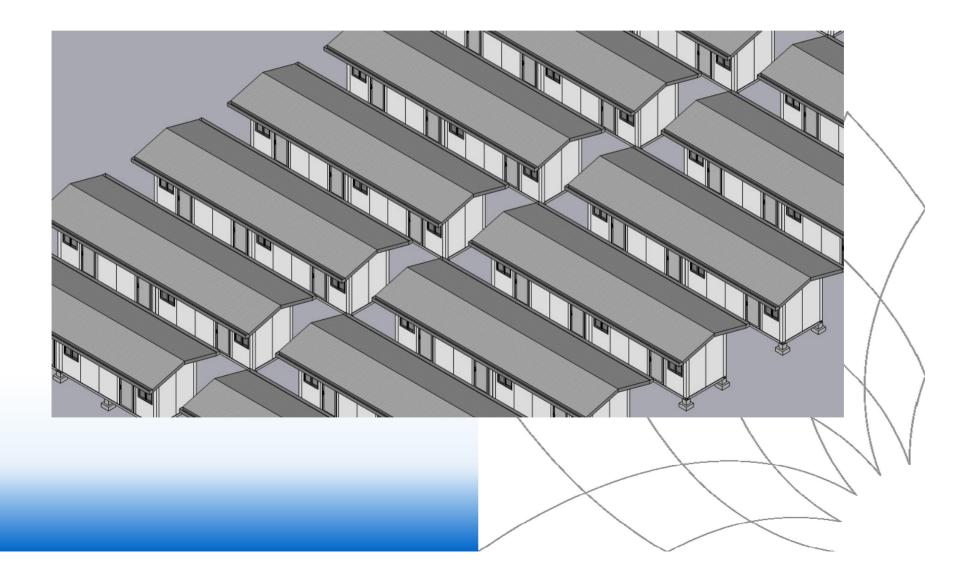
# FLAT PACK BUILDING TYPE G.







# FLAT PACK BUILDING TYPE F







- It is within the procedure of PT. Tractus Multi Services to maintain a security management system to minimize and prevent risk to our business and our customers from the impact of security related incidents.
- No activities shall compromise the security of people. We will diligently protect our property and information and that of our employees and customers.
- We will foster openness and dialogue with employees, customers, suppliers and subcontractors on security matters.





# **THANK YOU** PT TRACTUS MULTI SERVICES