



Method Statement for Installation of FRP Cable Support in Trench			
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CHN1A GDC

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Client:	Sino-Thai Engineering and Construction Public Company Limited
Project:	CHN1A GDC
Subject:	Method Statement for Installation of FRP Cable Support in Trench
Location:	Nong Yai, Chonburi
Document No.:	XXXXXXXXX

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1. Purpose

The purpose of this method statement contains the details of method statement for fabrication and installation of FRP Cable Support in Trench which shall be done during the execution of work outlined in the title. The document is

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issued, at Project level, as Method statement complete with Project information requirements and contractual obligations.

2. Scope of work

This method command specifies the process for This method statement covers the requirements for preparation, construction and all the other work as required for Installation of installation of FRP Cable Support in Trench in Pomelo Project.

- Personal protective equipment: PPE such as helmet, safety shoes.
- General tools such as gloves, rubber hammer, dust mask


3. Equipment and Tool

All equipment and tools being mobilized on site will be certified and in good running condition.


They must be checked and inspected by PM/CM SHE personnel prior to use. Equipment Operation shall have proper training as required by Thai law.




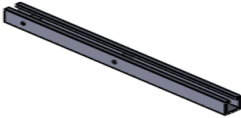


Tools


- Drill and Suitable Bit
- Measuring Tape and Level
- Wrenches / Socket set

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- Anchors and Bolts
- Personal protective equipment: PPE such as helmet, safety shoes.
- General tools such as gloves, rubber hammer, dust mask

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MATERIAL		
ITEM	DESCRIPTIONS	MATERIAL
1	FRP RACK COMBINE TYPE	
2	FRP RACK SINGLE TYPE	
3	STANCHION	
4	FRP RACK ARM	
5	ANCHOR	
6	BOLT	

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4. Job safety analysis

JSA's will be developed for all activities and approved JSA's will be attached along with PTW for implementation of controls. Job site supervisor should ensure that all controls are adequately communicated to the work force and controls are implemented.

- **Personal Protective Equipment (PPE)**

All personnel shall wear required P.P.E (safety helmet, safety boots, gloves, reflective vest, and safety glasses, safety harness) all the time. This should include vendors making deliveries to site. Purchase Orders should provide instruction to vendors that delivery drivers shall comply with site PPE requirements.

- **Lifting Work**

All Lifting equipment will be inspected and shall have valid test Certificates. This equipment will be operated and maintained in a safe manner by the certified operators. Copies of inspection certificates and Operator's daily checklists will be kept inside the vehicle / equipment at all times for unannounced and routine audits. Subject to Project requirements, heavy lifts will require a detailed lift plan for the activity. Engineers will check the stability of the ground before positioning any lifting equipment on the ground before attempting any lift. All Mobile equipment will be inspected by the operators on daily basis. Structured checks will be conducted for all the routine lifts. Lifting gear will be inspected and maintained regularly with an appropriate color-coding system and registers. Lifting gears will also be inspected prior to use by the Lifting Safety Manager. All lifting operations shall be controlled by the Lifting Safety Manager.

INSPECTION AND TEST PLAN



Project	: POMELO Data Center Project
Owner	: Client
Contractor	: Sino-Thai Engineering & Construction Public Company Limited
Discipline	: FRP Cable Support in Trench

Document No. : _____
Rev. No. : 0
Date : 25 October 2025
ITP No. : ITP-E-02

[illegible]

*** The reference documents and acceptance criteria above may be added, changed, or waived when found later in the contract that had stated in different and then apply such statement instead.

Legend

Inspection Requirements :

I	: Inspection
---	--------------

W	: Witness Point
----------	-----------------

W	: Witness Point
W^*	: Random Witness

R	: Review
---	----------

N/A	: Not Applicable
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N/A	: Not Applicable
A	: Approval

A	: Approval
	: Fill by Owner / Owner's representative


Responsible Parties

Owner	: Quartz Computing Co., Ltd.
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Contractor	: SINO-THAI
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SINO-THAI	: Sino-Thai Engineering & Construction Public Company Limited
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Attachment : List of Quality Record Forms

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- **Equipment**


All equipment shall be inspected and certified in line with Owner requirements and applicable Thai regulations. Operators shall be licensed, trained and qualified in applicable Thai regulations. Operators shall conduct daily checks prior to commencement of the job activities.

- **Hot Works**

Adequate Risk Assessment is conducted and controls such as P.P.E, equipment inspections, firefighting equipment, trained fire watchers, etc., are in place. Training required will be provided to personnel involved in hot work activities.

5. Resources

- **Field engineer / Project Engineer** Field engineer or Project Engineer are on-site technicians who troubleshoot issues and problems with construction work, fully understanding contractual construction requirements. Assist superior to formulate construction plans. ensure that all workers always use the provided PPE, ensure that all workers properly follow the work procedures and ensure that plan is understood by the construction team.
- **Supervisor / Foreman** Coordinating construction work according to priorities and plans, Supervise and train workers and trades people, resolve problems when they arise and report to Field Engineer or Project Engineer, ensure that all workers always use the provided PPE, ensure that all workers properly follow with the work procedures

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- **Site HSE Officer** Developing and executing health and safety plans in the workplace according to legal guidelines, Preparing and enforcing policies to establish a culture of health and safety, evaluating practices, procedures and facilities to assess risk and adherence to the law.

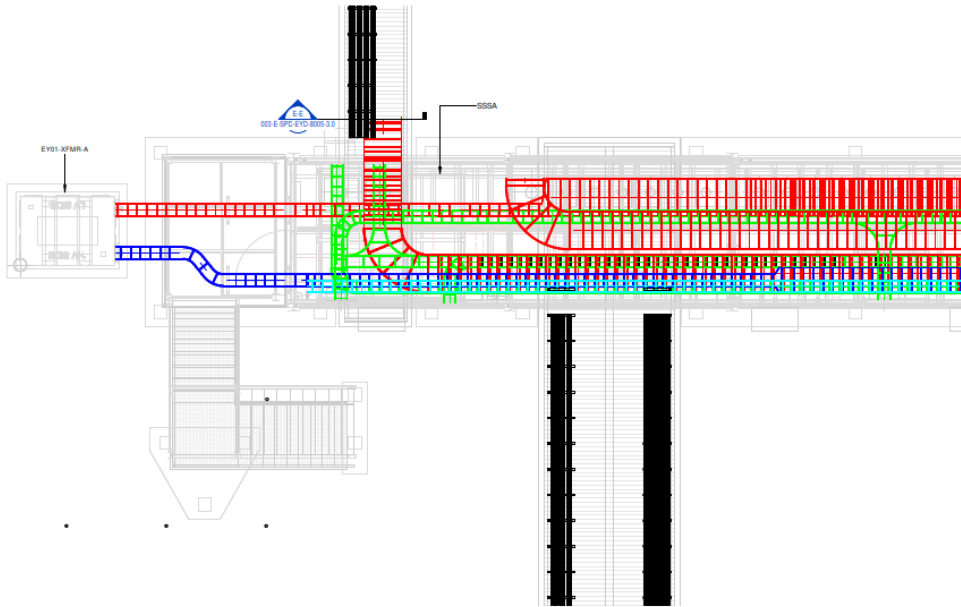
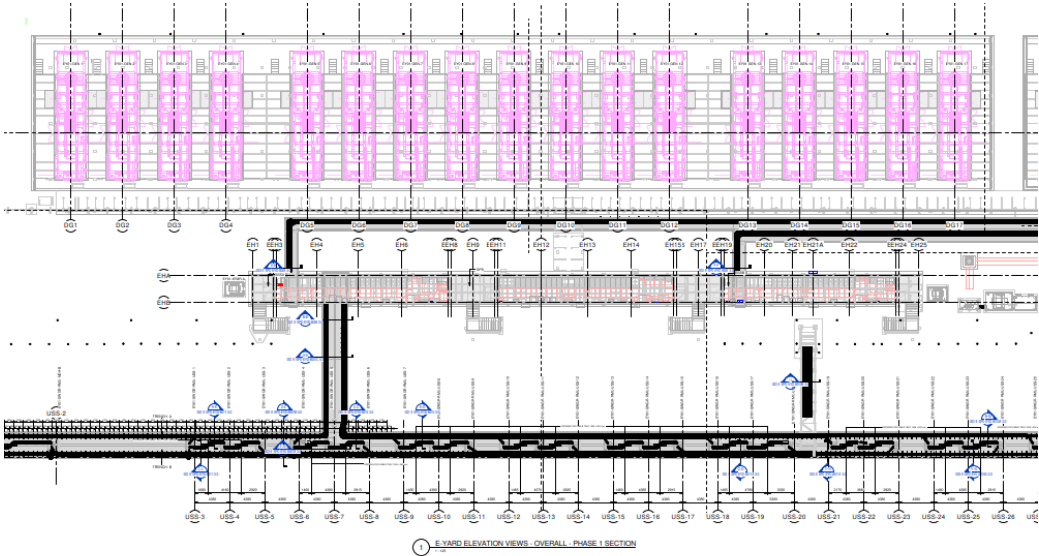
6. Procedures of Installation

6.1 Preparation


- Ensure that all personnel attending the safety orientation meeting toolbox talk about safety meetings to understand the safety rules and regulation as well as working procedure.
- Ensure that all personnel who are involved in inactivity are equipped with personal protective equipment such as safety helmet, safety shoes, reflective vest, safety full body harness, gloves and safety glasses. Also, PPE shall always be in good condition.
- Ensure that all equipment has passed the safety requirements.
- Define working area, lifting area and provide the access way and install soft barricades or warning signs and traffic signs around the perimeter.
- Maintain housekeeping within the working area.
- Site supervisor/Safety officer must always be on site during erection work.
- Fire extinguisher /Fire Hose shall be provided if necessary.

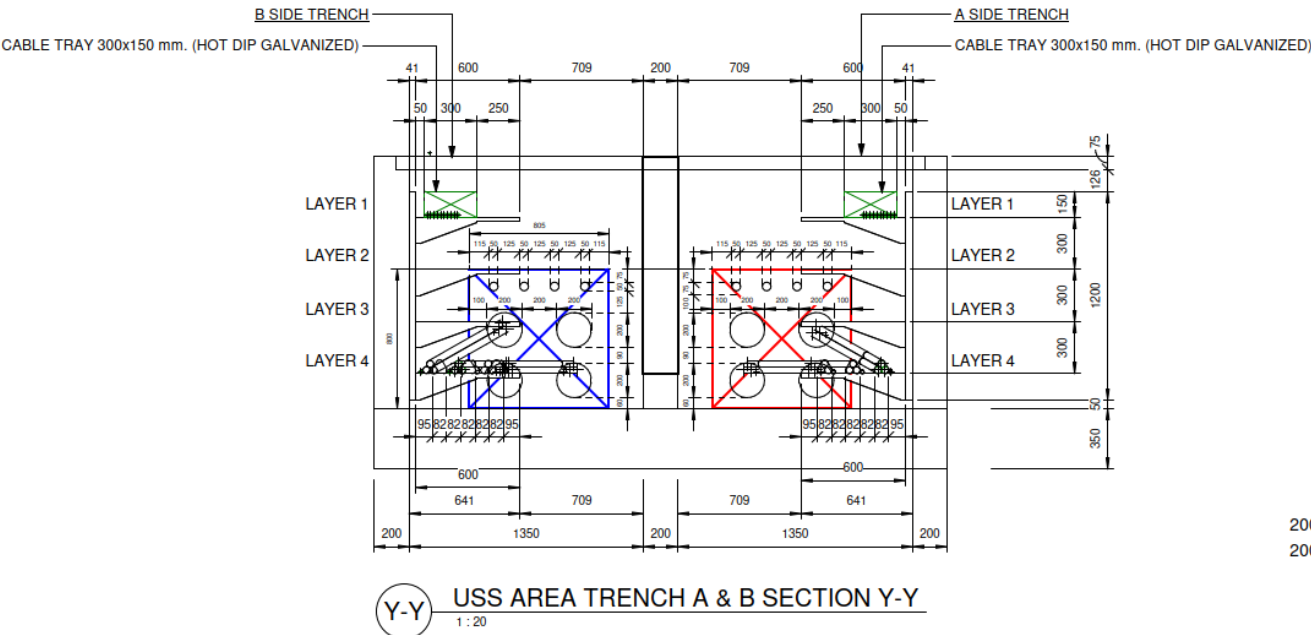
- 6.2 Verify the latest approved shop drawings and trench dimensions. Determine the FRP rack location per layout drawing.

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LAYOUT PLAN FOR FRP CABLE SUPPORT INSTALLATION IN TRENCH

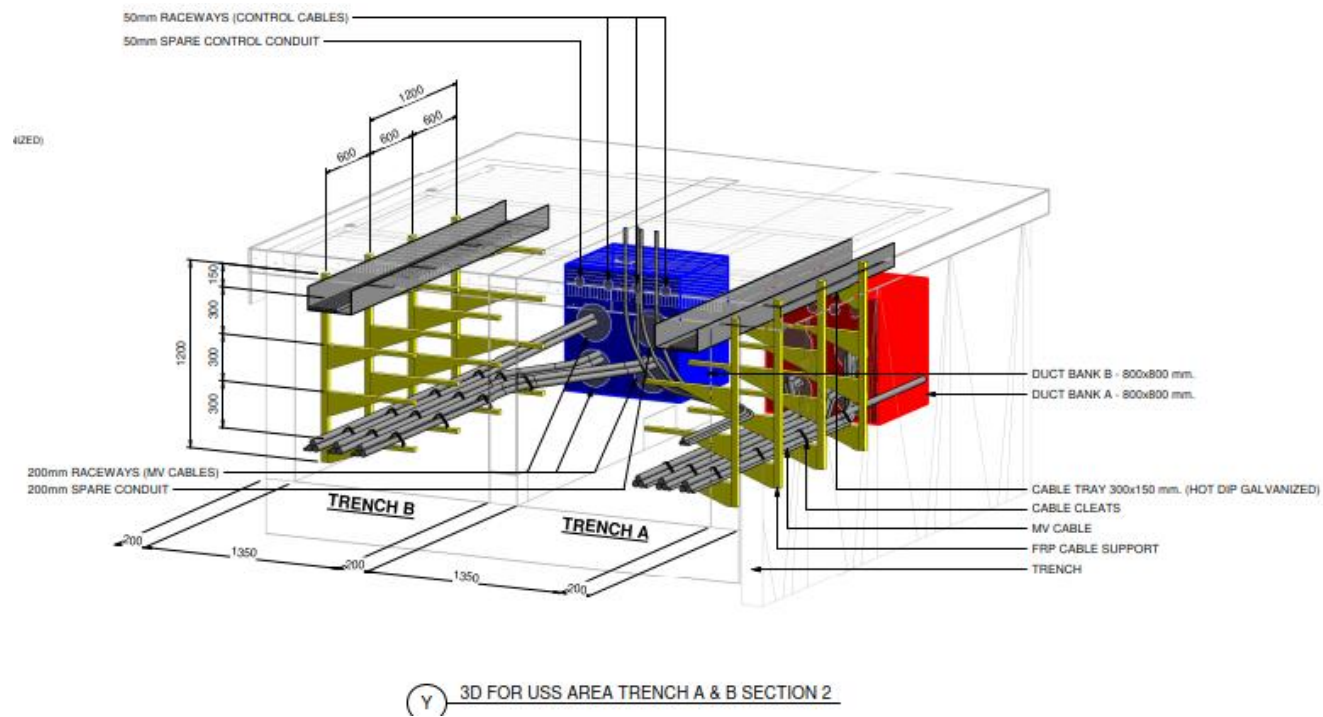
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SECTION FOR FRP CABLE SUPPORT INSTALLATION IN TRENCH



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3D OF FRP CABLE SUPPORT INSTALLATION IN TRENCH

Sino-Thai Engineering & Construction Public Company Limited



SURVEYING RECORD (LAY OUT OF REFERENCE POINT)

Page of

Date :

Project :	_____	Report No. :	_____
Client :	_____	Drawing No. :	_____
Contractor :	_____	Rev. No. :	_____
Area/Unit :	_____	ITP No. :	_____
Location :	_____		

A. Description & location :	D. Instrument No./Serial No. :
-----------------------------	--------------------------------

B. Bench mark used :

C. Surveying data :

Requested by

SINO-THAI

Sign / Date

Inspected by


SINO-THAI [QC]

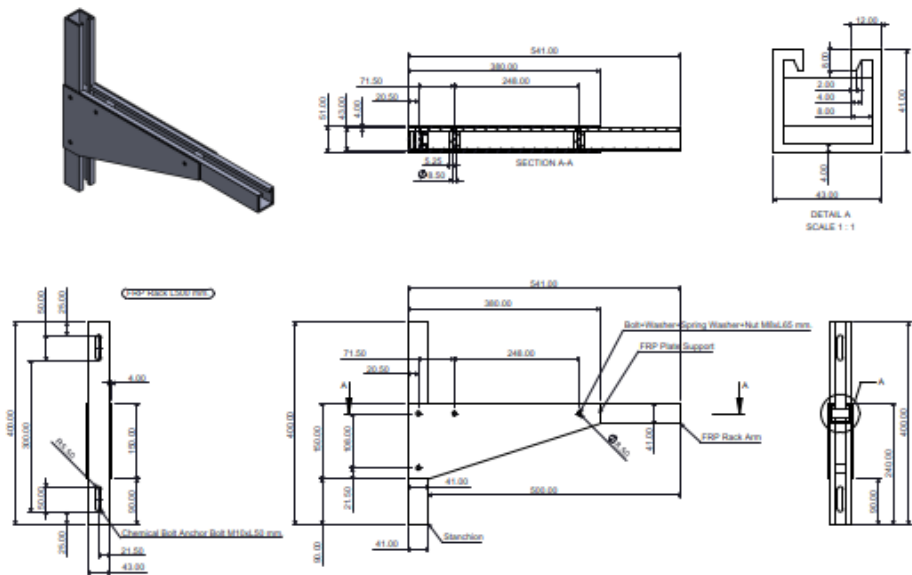
Sign / Date

Witness by

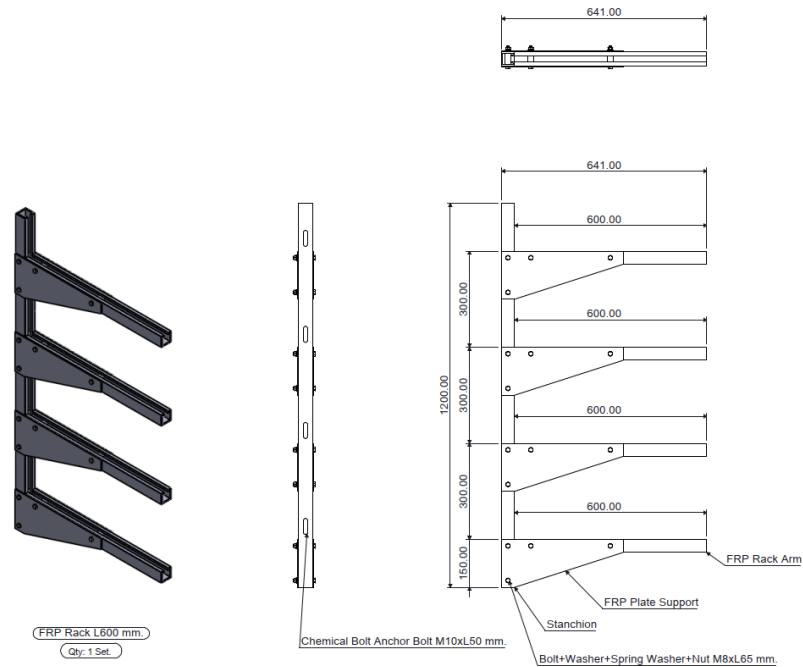
Owner/Owner
representative

Sign / Date

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Detail of FRP Single Type



Detail of FRP Combined Type



REQUEST FOR INSPECTION

To : _____ **Request No.** : _____
Project : POMELO PROJECT **Discipline** : _____
Area/Unit : _____ **Request Date** : _____
Ref. Dwg. No. : _____

We hereby notify you of following inspections and tests for your witness inspection

Inspection Item	Location	Date & Time
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Attachments : ☐ Yes ☐ No

Note : _____

Requested by : _____	Received by : _____	Acknowledge _____
SINO-THAI Sign / Date	SINO-THAI [QC] Sign / Date	Owner / Owner's representative Sign / Date

Note : _____

MATERIAL RECEIVE AND INSPECTION REPORT

Date :


Report No. : _____
 Drawing No. : _____
 Rev. No. : _____
 ITP No. : DB-E-002

[illegible]

Note : _____

Legend : Acc. mean Accept ; Rej. Mean Reject

Witness by _____
Client / Client's _____
representative _____ Sign/Date _____

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6.3 Ensure trench base is clean, level, and free from debris.

6.4 Mark anchor positions for stanchion installation using chalk line or laser level. Maintain correct centerline spacing and ensure horizontal level.

6.5 FRP Cable Support Installation Procedure

a) Fix the Stanchion

- Drill holes into the structure (floor, wall, or beam) for M10×L50 chemical anchor bolts
- Clean holes and inject approved chemical adhesives.
- Insert anchors and fix the FRP Stanchion (U-Strut 41×41×t4×L1300 mm) vertically.
- Check plumb alignment and allow curing time for the chemical anchor.

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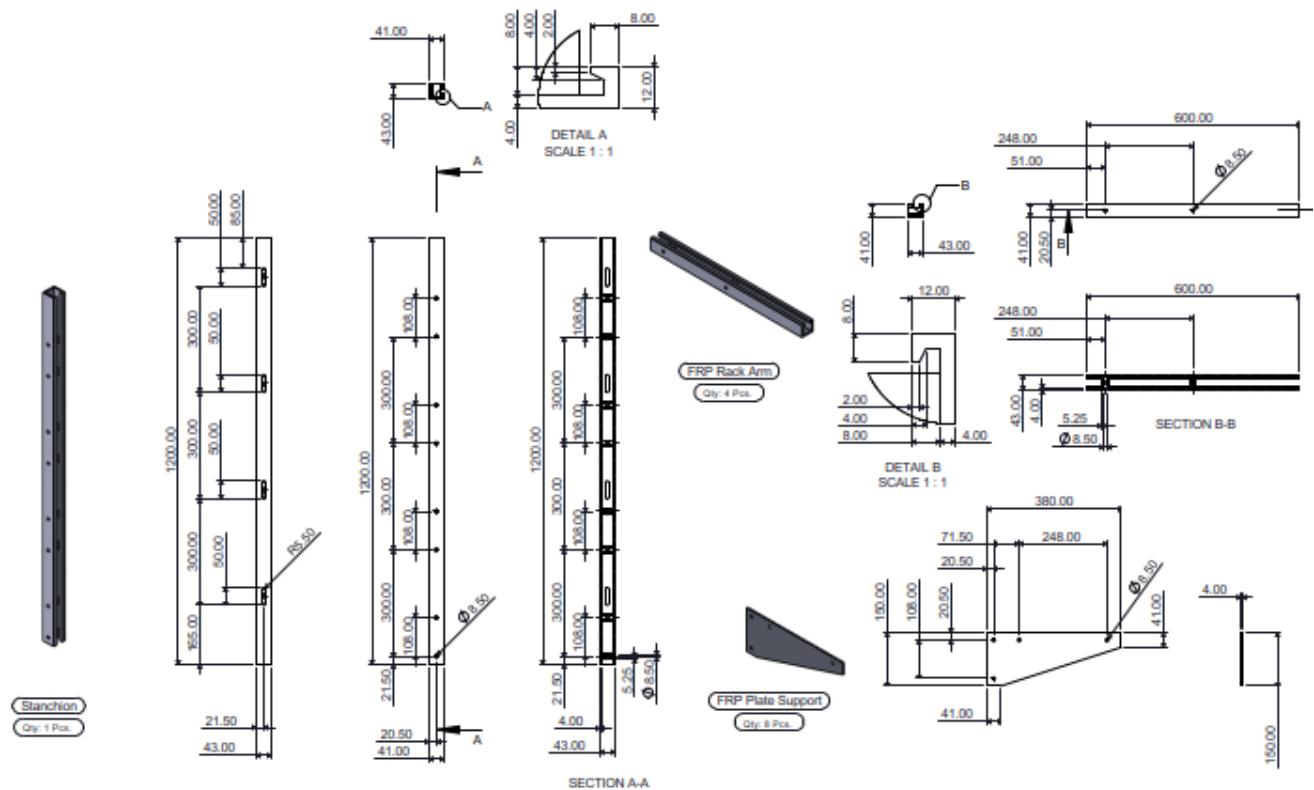


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Detail of FRP Stachion and Arm


b) Install the FRP Rack Arms

- Attach the FRP Rack Arms (L600 mm) horizontally to the stachion using M8×L65 bolts with washers.



LIST OF QUALITY RECORD FORMS

No.	Description	Form No.	Rev.	Used	Remarks
	GENERAL				
1	REQUEST FOR INSPECTION	GN-01	00	/	
2	MATERIAL RECEIVE AND INSPECTION REPORT	GN-02	00	/	
3	PHOTO REPORT	GN-03	00	/	
4	SURVEYING RECORD (LAY OUT OF REFERENCE POINT)	GN-04 (A)	00	/	
5	SURVEYING RECORD (ELEVATION)	GN-04 (B)	00	/	
6	SURVEYING RECORD (POSITION)	GN-04 (C)	00	/	
	ELECTRICAL				
1	FRP CABLE SUPPORT IN TRENCH	EE-03	00	/	

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- Each stanchion supports multiple rack arms at spacing defined in the drawing (typically 300 mm vertical spacing)
- Ensure arms are level and aligned.

c) Fix the FRP Plate Supports


- Install FRP Plate Supports (L600 mm) on the rack arms using the same bolt sets.
- These provide additional support for cables and trays.
- Tighten bolts to secure but avoid overtightening to prevent FRP damage.

d) Final Inspection

- Verify vertical and horizontal alignment.
- Ensure all bolts and nuts are properly tightened.
- Confirm all FRP surfaces are free of cracks or delamination.
- Clean the installed rack and prepare for laying cables.
-

7. CLEAN UP

When all inspection has been completed and clean all the installed rack and prepare for laying cables.

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PHOTO REPORT

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Date :

Project :	_____	Report No. :	_____
Client :	_____	Drawing No :	_____
Contractor :	_____	Rev. No. :	_____
Area/Unit :	_____	ITP No. :	_____
Location :	_____		

Description :

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Description :

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Description :

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Description :

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Date :

Form :GN-04(C) R00 issue 19/9/2025

Project	:	_____	Report No.	:	_____
Owner	:	_____	Drawing No.	:	_____
Contractor	:	_____	Rev. No.	:	_____
Area/Unit	:	_____	ITP No.	:	_____
Location	:	_____			

Note: _____

Acknowledge by _____
Owner/Owner Sign / Date
Representative

Form :GN-05 R00 issue 25/10/2025

Project	:	_____	Report No.	:	_____
Owner	:	_____	Drawing No.	:	_____
Contractor	:	_____	Rev. No.	:	_____
Area/Unit	:	_____	ITP No.	:	_____
Location	:	_____			

Note: _____

Acknowledge by _____
Owner/Owner Sign / Date
Representative

Form : EE-03 R00 issue 10/24/2025