

**Quotation No. RFQ-2026-0751**

**Design, Supply and Installation of Rooftop Walkway,  
Guard Rail and Access Staircase System at Store 'F'**

**PROJECT OVERVIEW**

Store 'F' was constructed to accommodate the storage of high-value Transmission and Distribution (T&D) equipment and materials. The building is also equipped with a photovoltaic (PV) solar system installed on the roof as part of BPC's energy efficiency initiatives.

The rooftop PV installation requires safe and controlled access for routine inspection, cleaning, maintenance, troubleshooting and repair. To facilitate these activities and minimise the risk of falls from height, a permanent rooftop walkway system, guard rails and dedicated access staircases are required.

Accordingly, BPC intends to embark on the **Design, Supply and Installation of Rooftop Walkway, Guard Rail and Access Staircase System at Store 'F'**. The Works shall include the design, supply and installation of a complete rooftop walkway system, guard rails along designated exposed edges, and two (2) access staircases, including all necessary structural supports, brackets, connections, fixings, accessories and protective finishes required for a safe, stable and fully functional installation.

The proposed system shall be of **Kee® Walk-type modular construction or an approved equivalent**, providing a durable, corrosion-resistant and slip-resistant access arrangement suitable for the rooftop environment. The walkway shall have a minimum clear width of 800 mm, subject to site verification and BPC's approval, and shall be suitably configured to provide safe access for PV system inspection and maintenance without compromising the existing roof structure or PV installation.

The Contractor shall undertake a site inspection and verify all relevant dimensions, existing structural conditions, roof configuration, proposed walkway alignment, access staircase locations and fixing arrangements before finalising the design. The Contractor shall also engage a suitably qualified professional to design and verify the structural adequacy of the proposed system, including its supports, connections and anchorage, and submit the necessary design calculations, drawings and technical specifications to BPC for review and approval before fabrication and installation.

All Works shall comply with the approved design, manufacturer's recommendations, applicable standards, statutory requirements and BPC's HSE requirements. Particular attention shall be given to structural integrity, effective fall protection, safe access and egress, corrosion resistance, and the prevention of damage to the existing roof structure, waterproofing system, PV panels and associated equipment throughout the execution of the Works.

Upon completion, the installed rooftop walkway, guard rail system and access staircases shall provide authorised personnel with safe, reliable and permanent access to the rooftop PV installation for inspection and maintenance, supporting the continued safe operation and maintainability of the facilities at Store 'F'.



LOCATION PLAN

## GENERAL NOTES TO BIDDERS

### 1. Contractor's Rates and Prices

The Contractor's rates and prices shall include all costs necessary for the complete design, supply, installation, testing, inspection and handover of the Works, including manpower, supervision, professional design services, site verification, design calculations, drawings, materials, walkway and guard rail components, two (2) access staircases, supports, connections, fixings, accessories, transportation, tools, plant, lifting and access equipment, temporary works, HSE measures, protective finishes, reinstatement, overheads, profit, insurance, duties, taxes and compliance with all applicable requirements.

All items necessary for a complete, safe and functional installation shall be deemed included in the BOQ rates unless expressly stated otherwise.

### 2. Scope of Works

The Works comprise the design, supply and installation of a complete rooftop walkway, guard rail and access staircase system at Store 'F' to provide safe access for the inspection, cleaning, maintenance, troubleshooting and repair of the existing rooftop photovoltaic (PV) system and associated equipment.

The Works shall include, but not be limited to, the following:

- a. Design and engineering of the complete system by suitably qualified professionals, including structural verification and design submissions.
- b. Supply and installation of modular walkway sections, supporting members, guard rails, intermediate rails, posts, handrails, toe boards where required, and associated fittings.
- c. Supply and installation of two (2) complete access staircases, including treads or rungs, stringers, handrails, guard rails, supports, landings where required, fixings and accessories.
- d. All necessary connections, anchorage, protective finishes and ancillary components.
- e. Site verification, installation, inspection, rectification, reinstatement and submission of as-built drawings and handover documentation.

The Contractor shall ensure that the complete system is structurally adequate, compatible with the existing building and PV installation, and suitable for the intended maintenance activities.

### 3. Proposed Walkway and Guard Rail System

**A Kee® Walk-type modular walkway and guard rail system, or an approved equivalent**, is recommended for the Works. The proposed system shall be designed for permanent rooftop access and maintenance and shall provide a durable, corrosion-resistant walking surface with adequate slip resistance and effective fall protection.

The Contractor shall propose a complete, compatible system suitable for the existing roof configuration, including all necessary supports, connections, fixings and accessories.

Bidders shall submit the following with their quotations:

- a. Manufacturer's name and proposed system designation.
- b. Product catalogues, technical datasheets and material specifications.
- c. Proposed system layout and configuration, including walkway, guard rails and access staircases.
- d. Installation details and proposed fixing arrangements.

- e. Relevant structural performance data, load ratings, compliance documentation and other technical information necessary to demonstrate suitability.

Any alternative system shall demonstrate equivalent or better performance in terms of structural adequacy, durability, corrosion resistance, slip resistance, fall protection and compatibility with the existing roof and PV installation. The proposed system shall be subject to BPC's review and approval before procurement and installation.

#### 4. Design Responsibility and Structural Adequacy

The Contractor shall be responsible for the complete design and structural adequacy of the proposed walkway, guard rails, access staircases, supports, connections and anchorage.

The design shall account for all applicable loads and design conditions, including self-weight, imposed loads from personnel and maintenance activities, guard rail loads, wind loads where applicable, stability, deflection and the capacity of the supporting structure.

The Contractor shall engage a suitably qualified professional and, where required by applicable statutory requirements, a registered Civil & Structural Qualified Person (C&S QP) to undertake or endorse the design, calculations and relevant technical submissions.

The Contractor shall verify the suitability of the existing roof structure and proposed fixing locations before finalising the design. No assumptions regarding the capacity of existing structural members or roof components shall be accepted without appropriate verification.

The Contractor shall submit the design calculations, drawings, material specifications and fixing details to BPC for review and approval before fabrication, procurement or installation, as applicable. BPC's review or approval shall not relieve the Contractor of responsibility for the design, structural adequacy, safety and performance of the completed Works.

#### 5. Site Visit and Verification

Bidders are advised to conduct a site visit before submitting their quotations to verify the existing roof configuration, building dimensions, PV panel layout, proposed walkway alignment, access staircase locations, obstructions, clearances, structural interfaces, fixing locations and installation access requirements.

The Contractor shall independently verify all relevant dimensions and site conditions before finalising the design and commencing the Works.

Any discrepancy, unforeseen condition or constraint affecting the design, installation, cost or programme shall be reported to BPC before the affected Works proceed. No fabrication or installation shall commence until the relevant site measurements, design details and fixing arrangements have been verified.

#### 6. Walkway Dimensions and Construction Requirements

The rooftop walkway shall have a **minimum clear walking width of 800 mm**, subject to site verification and BPC's approval. The final alignment shall provide a safe, continuous and reasonably unobstructed access route for authorised personnel undertaking PV system inspection and maintenance.

The walkway shall have a durable, slip-resistant walking surface suitable for outdoor rooftop exposure and shall be adequately supported and securely connected to the approved supporting structure.

Guard rails shall be provided along designated exposed edges and shall include suitable top rails, intermediate rails, posts and toe boards where required by the design or applicable safety requirements. Corners, changes in direction, access openings and transitions to staircases shall be detailed to maintain effective fall protection and safe passage.

All dimensions, configurations and clearances shall be verified on site and incorporated into the approved drawings before installation.

## 7. Access Staircases

The Works shall include **two (2) complete access staircases** at locations identified or approved by BPC, providing safe access between grade level and the rooftop walkway system, as applicable to the approved design.

The Store 'F' roof beam height is approximately 6 m above grade level. The Contractor shall verify the actual access height, ground conditions, available space and structural interfaces before finalising the staircase design.

Each staircase shall include all necessary structural members, stringers, treads or rungs, handrails, guard rails, landings where required, supports, brackets, connections, fixings and accessories.

The staircase configuration, inclination, clear width, tread or rung dimensions, headroom, landing arrangements, handrail geometry and structural capacity shall comply with the approved design, applicable standards and statutory requirements.

The Contractor shall ensure that each staircase is securely anchored and properly integrated with the walkway and guard rail system to provide safe access and egress. The proposed staircase arrangement and connection details shall be submitted to BPC for approval before fabrication and installation.

## 8. Materials, Corrosion Protection and Workmanship

All materials and components shall be new, fit for purpose and suitable for permanent outdoor rooftop exposure.

The walkway, guard rails, staircases, supports, connections and associated components shall incorporate an appropriate corrosion-protection system. Hot-dip galvanised steel or an equivalent corrosion-resistant material or finish is preferred, subject to the proposed system's specifications and BPC's approval.

The Contractor shall submit relevant material specifications and product documentation for review.

All components shall be installed in accordance with the approved drawings, manufacturer's recommendations and applicable requirements. Fixings shall be securely installed, connections properly completed, and exposed edges and joints finished to eliminate sharp edges, protrusions and other foreseeable hazards.

## 9. Protection of Existing Roof and Facilities

The Contractor shall take all necessary precautions to prevent damage to the existing roof structure, roof sheeting, waterproofing system, PV panels, associated equipment, building finishes and surrounding facilities.

The proposed system shall utilise approved supports and fixing arrangements that maintain structural integrity and prevent water ingress or damage to the existing roof and waterproofing system.

No drilling, cutting, welding, penetration or modification of existing structural members, roof components, waterproofing or services shall be undertaken without prior approval from BPC. Any damage caused by the Contractor, its personnel or subcontractors shall be repaired and reinstated to BPC's satisfaction at the Contractor's own cost.

## 10. Installation, Inspection and Rectification

The Contractor shall execute the Works in accordance with the approved design, drawings, manufacturer's instructions, applicable standards and BPC's site requirements.

BPC reserves the right to inspect materials, components, installation activities and the completed system. The Contractor shall provide reasonable access, assistance and relevant documentation for such inspections.

The Contractor shall rectify, at no additional cost to BPC, any defects, loose fixings, misalignment, dimensional discrepancies, poor workmanship, inadequate protection or non-compliance identified before final acceptance.

Before handover, the Contractor shall verify that the completed system is stable, securely fixed, free from defects and obstructions, and compliant with the approved design and applicable safety requirements. Any required inspection records or professional certification shall be submitted to BPC.

#### **11. Health, Safety and Environment (HSE)**

The Contractor shall comply with applicable statutory requirements, BPC's HSE requirements, permit-to-work procedures and approved safe working practices throughout the execution of the Works.

Before commencing work, the Contractor shall submit the required risk assessments and method statements, including arrangements for working at height, lifting operations, material handling, roof access, fall prevention, emergency response and the protection of existing facilities.

The Contractor shall provide all necessary access equipment, working platforms, temporary edge protection, fall-protection equipment, barricades, exclusion zones, warning signs, personal protective equipment and other safety measures appropriate to the activities.

All personnel shall be competent, appropriately trained and adequately supervised. Tools, materials and equipment shall be secured against falling, and safe access and egress shall be maintained throughout the Works.

#### **12. As-Built Drawings and Handover Documentation**

Upon completion, the Contractor shall submit the following documentation to BPC:

- a. As-built drawings showing the installed walkway, guard rails and both access staircases, including final dimensions, layout, supports, connections, fixing details and approved site modifications.
- b. Structural design calculations, approved design drawings and relevant professional endorsements or C&S QP certification, where applicable.
- c. Product catalogues, technical datasheets, material specifications and corrosion-protection details.
- d. Manufacturer's installation, inspection and maintenance instructions.
- e. Relevant inspection records, defect rectification records and other documentation required for acceptance and safe operation.

Drawings shall be provided in AutoCAD softcopy and PDF formats, together with hardcopies, unless otherwise instructed by BPC.

#### **13. Completion and Housekeeping**

Upon completion, the Contractor shall remove all temporary works, tools, surplus materials, debris and waste and leave the roof and surrounding work areas clean, safe and ready for use.

All affected surfaces and facilities shall be properly reinstated. The completed system shall be free from loose components, sharp edges, obstructions and other hazards.

The Works shall be considered complete only after satisfactory inspection, rectification of outstanding defects, submission of the required handover documentation and formal acceptance by BPC.

#### **14. Compliance with Requirements**

The Contractor shall comply with all applicable laws, statutory regulations, technical standards, approved drawings and specifications, manufacturer's requirements, BPC's HSE requirements, permit-to-work procedures and site rules.

The Contractor shall obtain the permits, approvals and clearances required for its activities, where applicable, and coordinate the Works with BPC to minimise disruption to existing operations and facilities.

**Note: BPC reserves the right to suspend or stop the Works in the event of non-compliance with HSE requirements, approved designs or work procedures, manufacturer's installation requirements, site rules, statutory regulations or other applicable requirements. Any resulting delay, additional cost, damage or other consequence arising from such non-compliance shall be the Contractor's responsibility.**

FORM OF BID

To:

Berakas Power Company Sdn. Bhd.  
Berakas Power Station,  
Lebuhraya Rimba / Jalan Utama Terunjing,  
Kg. Terunjing Baru, Berakas BB1514  
Negara Brunei Darussalam

Dear Sir,

**Design, Supply and Installation of Rooftop Walkway,  
Guard Rail and Access Staircase System at Store 'F'**

We, the undersigned, having carefully reviewed and fully understood the General Notes to Bidders, the Bill of Quantities, and accompanying documentation, hereby submit our formal bid to undertake and complete the works described therein for a total sum of:

.....

.....

(amount in words)

(B\$ ..... ) only.

This amount shall be firm, fixed, and inclusive of all costs, expenses, taxes, and obligations necessary to satisfactorily complete the works as specified.

We further confirm that:

1. We unconditionally accept and agree to be bound by all the terms, conditions, and requirements issued by BPC.
2. We undertake to carry out and complete the works in full compliance with the specified obligations upon written acceptance of our bid.
3. This bid shall remain valid and irrevocable for the period stated in the Instructions to Bidders.

Name : .....

Position : .....

Authorised Signature : .....

Date : .....

Company Name : .....

Address : .....

: .....

Telephone number : ..... Fax No. : .....

E-mail address : .....

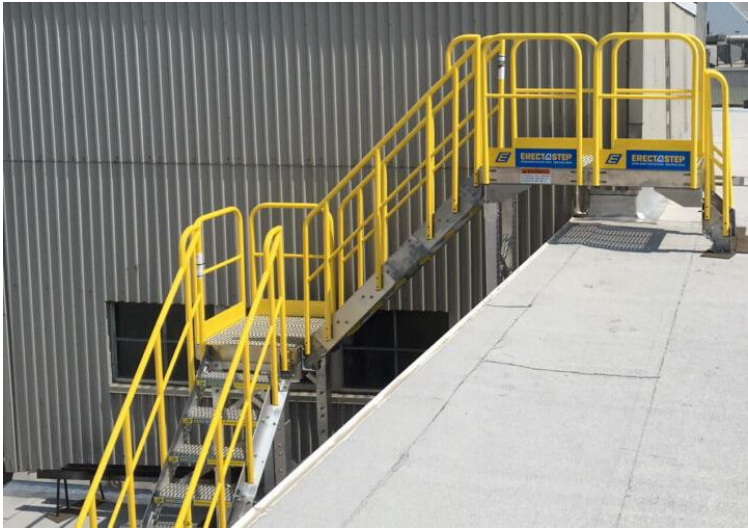
## BILL OF QUANTITIES

1. The Contractor shall allow for all materials, labour, design, engineering, equipment, transportation, installation and incidental works necessary for the complete execution of the Works.
2. The proposed system shall be Kee® Walk-type modular construction or an approved equivalent, subject to BPC's review and approval.
3. All dimensions and quantities indicated are subject to site verification. No fabrication or installation shall proceed until the relevant dimensions, design details and fixing arrangements have been verified and approved, as applicable.
4. The Contractor shall coordinate the design and installation of the walkway, guard rails and access staircases to ensure that the systems function as one complete and compatible installation.
5. All roof penetrations, structural modifications and fixing arrangements shall be subject to prior approval and appropriate verification of structural adequacy and waterproofing protection.
6. The Contractor shall comply with the RFQ, General Notes to Bidders, approved drawings, applicable standards, statutory requirements, manufacturer's instructions and BPC's HSE requirements.
7. The Works shall be deemed complete only upon satisfactory inspection, rectification of outstanding defects, submission of the required documentation and acceptance by BPC.

| Item      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Qty. | Unit     | Unit Rate (BND) | Total Amount (BND) |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|--------------------|
| <b>A.</b> | <b>GENERAL &amp; PRELIMINARIES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |          |                 |                    |
| 1.        | <b>Mobilisation and Demobilisation.</b><br>Provide for the mobilisation and demobilisation of all manpower, supervision, tools, plant, equipment, transportation, loading/unloading, lifting and access equipment, temporary facilities, safety equipment, barricades, warning signs and other resources necessary for the proper execution and completion of the Works.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1    | lump sum |                 |                    |
| 2.        | <b>Design, Engineering and Technical Submissions.</b><br>Provide all necessary design and engineering services for the complete rooftop walkway, guard rail and access staircase systems, including layout drawings, construction and installation details, structural calculations, material specifications, connection and anchorage details, and relevant product documentation.<br><br>Inspect the site and verify all relevant dimensions, existing roof configuration, roof pitch, PV panel layout, structural interfaces, proposed walkway alignment, access staircase locations, fixing arrangements and installation constraints before finalising the design, procurement or fabrication.<br><br>The design shall be undertaken by suitably qualified professionals, with engagement of a registered Civil & Structural Qualified Person (C&S QP).<br><br>Submit all relevant design documents for BPC's review and approval before fabrication, procurement or installation, as applicable. | 1    | lump sum |                 |                    |

| Item      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Qty. | Unit     | Unit Rate (BND) | Total Amount (BND) |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|--------------------|
| 3.        | <p><b>Protection of Existing Facilities</b></p> <p>Protect the existing roof structure, roof sheeting, waterproofing system, PV panels, associated electrical equipment and surrounding facilities throughout the Works.</p> <p>No drilling, cutting, welding, roof penetration or structural modification shall be undertaken without prior approval from BPC and the necessary verification of structural adequacy and approved waterproofing details.</p> <p>Repair or reinstate any damage attributable to the Contractor's activities at the Contractor's own cost to BPC's satisfaction.</p>                                                                                                                                                                                                                                    | 1    | lump sum |                 |                    |
| 4         | <p><b>Inspection and Rectification</b></p> <p>Carry out the necessary inspections and checks to verify the completeness, alignment, secure fixing, structural stability, workmanship and compliance of the installed system.</p> <p>Rectify all defects, deficiencies and non-compliant work identified before final acceptance at no additional cost to BPC.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1    | lump sum |                 |                    |
| 5.        | <p><b>Handover Documentation and Completion</b></p> <p>Submit the required as-built drawings, product datasheets, warranties, material documentation, structural calculations, professional endorsements or certification where applicable, inspection records, and operation and maintenance instructions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1    | lump sum |                 |                    |
|           | <p><b>Notes:</b></p> <p>All costs associated with the above General &amp; Preliminaries items shall be included in the relevant BOQ rates.</p> <p>No separate payment shall be made for incidental activities, design coordination, site verification, temporary works, safety provisions, protection measures, inspections, rectification or documentation necessary for the complete and safe execution of the Works, unless expressly provided for elsewhere in the BOQ.</p>                                                                                                                                                                                                                                                                                                                                                       |      |          |                 |                    |
| <b>B.</b> | <p><b>SUPPLY, INSTALLATION &amp; ASSOCIATED WORKS</b></p> <p>Reference Drawings:</p> <p>Store 'F' Roof Plan</p> <p>Section A-A</p> <p>Section B-B</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |                 |                    |
| 1.        | <p><b>Supply and Installation of Rooftop Walkway System</b></p> <p>Supply and install a complete modular rooftop walkway system, such as Kee® Walk or an approved equivalent, to provide safe, designated access for the inspection, cleaning, maintenance and repair of the existing rooftop photovoltaic (PV) system and associated equipment at Store 'F'.</p> <p>The roof has approximate overall plan dimensions of 44 m long × 23 m wide, with a roof pitch of approximately 15°. The Contractor shall verify the actual roof dimensions, profile, pitch, PV panel arrangement and proposed walkway alignment before finalising the design and proceeding with procurement or installation.</p> <p>The Works shall include all walkway sections, slip-resistant walking surfaces, supporting members, brackets, connectors,</p> | 130  | m        |                 |                    |

| Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qty. | Unit | Unit Rate (BND) | Total Amount (BND) |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------------|--------------------|
|      | <p>fixings, end closures and accessories necessary for a complete installation.</p>  <p>The walkway shall provide a minimum clear walking width of 800 mm, measured between the inner faces of the guard rails or other permanent obstructions, unless otherwise approved by BPC. The system shall be suitable for the existing roof pitch and configured to provide a continuous, stable and unobstructed access route.</p> <p>The Contractor shall design and verify the adequacy of the walkway, supports, connections and anchorage for the applicable loads and site conditions. The proposed layout, structural design, fixing details and technical documentation shall be submitted to BPC for review and approval before installation.</p> <p>The installation shall not compromise the structural integrity or waterproofing of the existing roof or damage the PV panels, associated equipment or roof drainage arrangements.</p> |      |      |                 |                    |
| 2.   | <p><b>Supply and Installation of Guard Rail System</b></p> <p>Supply and install a complete modular guard rail system compatible with the proposed walkway and access staircases to provide effective collective fall protection along designated exposed walkway edges and other locations identified or approved by BPC.</p>  <p>The Works shall include all necessary guard rail posts, top rails, intermediate rails or equivalent infill protection, toe boards where</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 130  | m    |                 |                    |

| Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Qty. | Unit | Unit Rate (BND) | Total Amount (BND) |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------------|--------------------|
|      | <p>required, base plates, brackets, connectors, fixings, end sections and accessories.</p> <p>The guard rail system shall be designed for the applicable roof pitch of approximately <b>15°</b>, with appropriate rail geometry, post spacing, anchorage and connections to maintain effective fall protection under the applicable design loads.</p> <p>The Contractor shall verify the structural adequacy of all supporting members and fixing locations and ensure that the guard rail system is securely integrated with the walkway and access staircases.</p> <p>All materials and protective finishes shall be suitable for permanent outdoor rooftop exposure and provide adequate corrosion resistance. The completed installation shall comply with the approved design, applicable standards and statutory requirements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      |                 |                    |
| 3.   | <p><b>Design, Supply and Installation of Safety Access Staircase</b></p>  <p>Design, supply, fabricate and install complete fixed safety access staircases at locations identified or approved by BPC to provide safe access between grade level and the rooftop walkway system.</p> <p>The Store 'F' roof beam height is approximately 6 m above grade level, subject to site verification. The Contractor shall verify the actual access height, ground conditions, available space, staircase locations and structural interfaces before finalising the design.</p> <p>The Contractor shall engage a suitably qualified professional to design the staircases in accordance with applicable standards, statutory requirements and the verified site conditions. The design shall address structural adequacy, stability, imposed loads, connections, anchorage, safe access and egress, and fall protection.</p> <p>Each staircase shall include all necessary structural members, stringers, anti-slip treads, handrails, guard rails, intermediate supports, landing platforms where required, access gates where required by the approved design, connections, anchorages, fixings and accessories.</p> | 2    | lots |                 |                    |

| Item                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qty. | Unit     | Unit Rate (BND) | Total Amount (BND) |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|--------------------|
|                     | <p>The Contractor shall submit the staircase drawings, structural calculations, material specifications, connection details and relevant professional endorsements for BPC's review and approval before fabrication and installation, as applicable.</p> <p>The scope shall include design, site measurement, fabrication, corrosion protection, transportation, lifting, installation, inspection and all associated works required for complete, structurally adequate and safe installations properly integrated with the rooftop walkway and guard rail systems.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                 |                    |
| 4.                  | <p><b>Ancillary Works, Connections and Finishing</b></p> <p>Provide all ancillary components and finishing works necessary to complete and integrate the rooftop walkway, guard rail and access staircase systems, including additional supports, brackets, compatible fasteners, and connection components not otherwise separately measured in the BOQ.</p> <p>Ensure that all components are compatible with the existing roof profile and 15° pitch, and that the installation does not obstruct roof drainage, compromise waterproofing or interfere with the operation and maintenance of the existing PV system.</p> <p>Any approved roof penetrations shall be properly sealed and reinstated using suitable waterproofing materials and approved methods. All components shall be securely fixed, properly aligned and free from sharp edges, loose fittings and other hazards.</p>                                                                                                                                               | 1    | lump sum |                 |                    |
| 5.                  | <p><b>Final Inspection, Verification and Handover</b></p> <p>Upon completion, inspect and verify the entire installation to confirm that the rooftop walkway, guard rail system and both access staircases comply with the approved design, drawings, manufacturer's recommendations and applicable requirements.</p> <p>Verify the security of connections and fixings, structural stability, walkway clear width, effectiveness of guard rails, safe staircase access, corrosion protection and overall workmanship.</p> <p>Rectify all defects and non-conformities at no additional cost to BPC. Submit the required as-built drawings, product datasheets, warranties, structural calculations, relevant professional certification, inspection records and maintenance instructions before final handover.</p> <p>The completed installation shall be safe, structurally adequate, properly integrated with the existing roof and PV installation, and fit for its intended purpose, subject to BPC's inspection and acceptance.</p> | 1    | lump sum |                 |                    |
| <b>TOTAL AMOUNT</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |                 |                    |

### SCHEDULE OF PRICES

| Item     | Description                                                | Amount (BND) |
|----------|------------------------------------------------------------|--------------|
| <b>A</b> | <b>General &amp; Preliminaries</b>                         |              |
| 1        | Mobilisation and Demobilisation                            |              |
| 2        | Design, Engineering and Technical Submissions              |              |
| 3        | Protection of Existing Facilities                          |              |
| 4        | Inspection and Rectification                               |              |
| 5        | Handover Documentation and Completion                      |              |
| <b>B</b> | <b>Supply, Installation &amp; Associated Works</b>         |              |
| 1        | Supply and Installation of Rooftop Walkway System          |              |
| 2        | Supply and Installation of Guard Rail System               |              |
| 3        | Design, Supply and Installation of Safety Access Staircase |              |
| 4        | Ancillary Works, Connections and Finishing                 |              |
| 5        | Final Inspection, Verification and Handover                |              |
|          | <b>TOTAL AMOUNT TO BE CARRIED FORWARD TO FORM OF BID</b>   |              |

Guaranteed Completion Period : ..... **calendar days** from Purchase Order Date.

\_\_\_\_\_  
(Signature and Company Stamp)

Date: \_\_\_\_\_

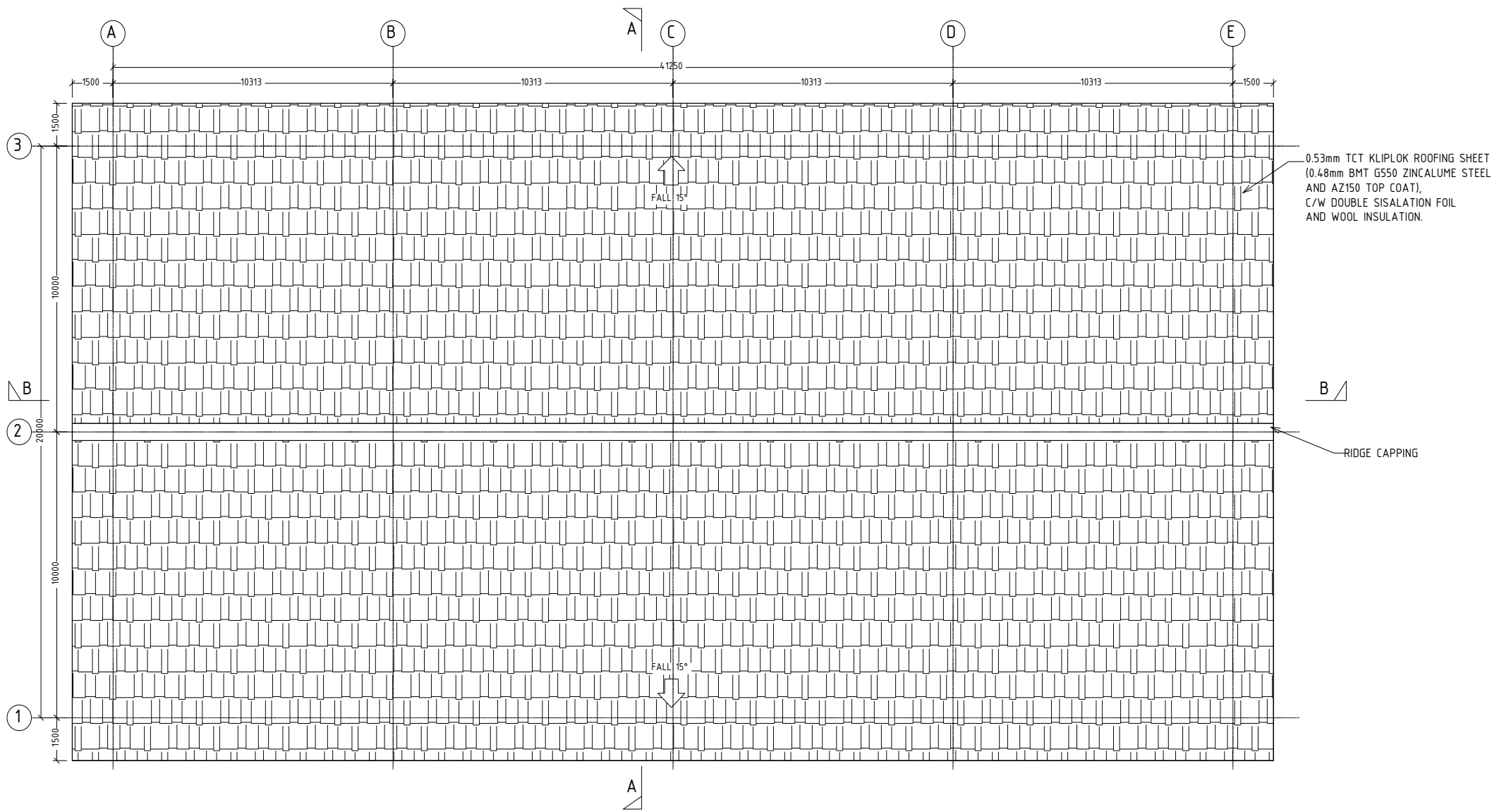
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Company Name : .....

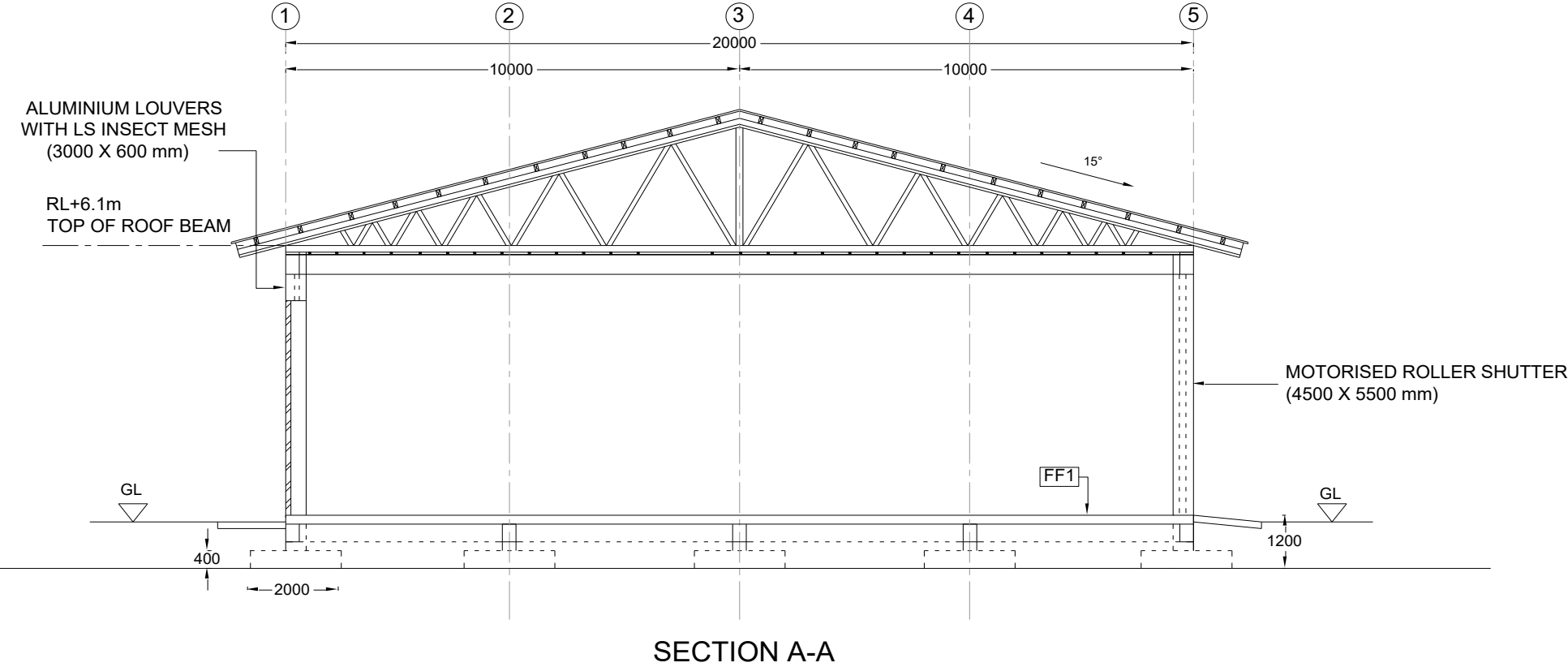
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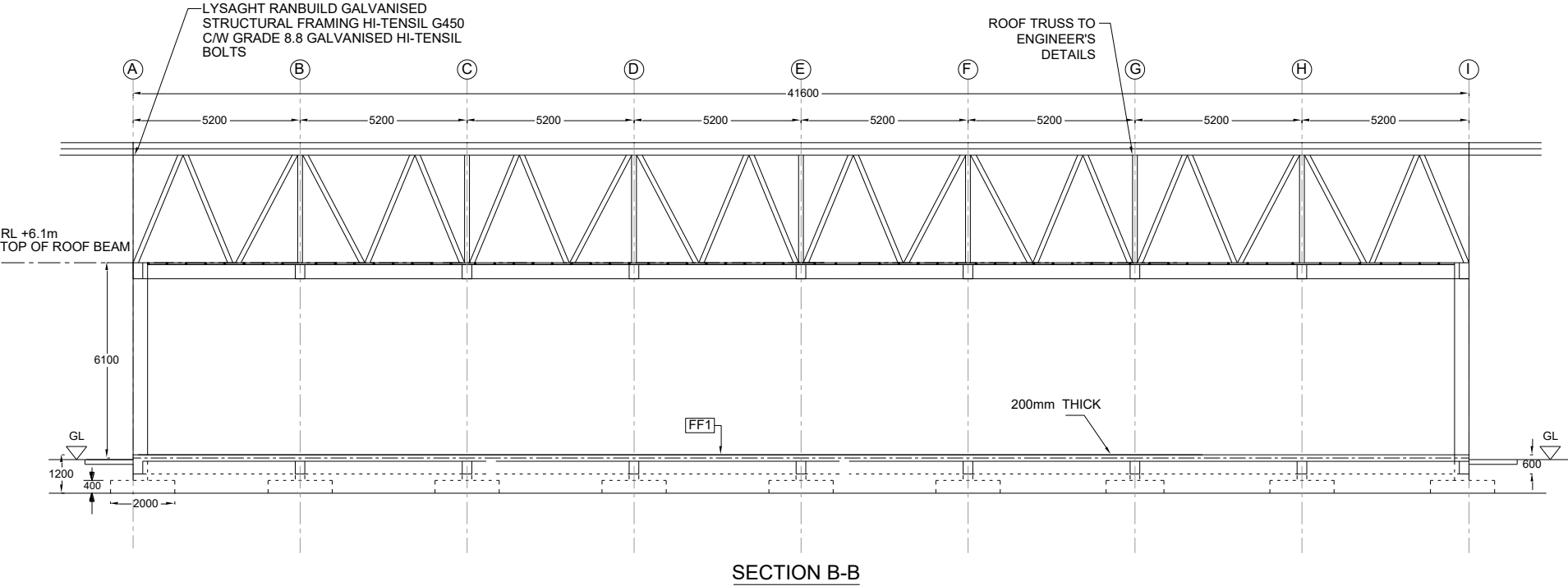
STORE F



STORE F



STORE F





**ROOF WALKWAY AND GUARDRAIL SYSTEM**





**ROOF WALKWAY AND GUARDRAIL SYSTEM**



**ROOF ACCESS STAIRCASE SYSTEM**