

Government of the People's Republic of Bangladesh
Office of the Refugee Relief and Repatriation Commissioner
Cox's Bazar
www.rrrc.gov.bd

No: 51.04.2200.005.00.032.24- **3333**

Date: **15** September 2025

Sub: **Approval of Shelter Models under GoB-Approved TSS Application**

Ref: ISCG's letter no.-(1) ISCG/2025/46, date: 17 August 2025
(2) ISCG/2025/40, date: 17 July 2025

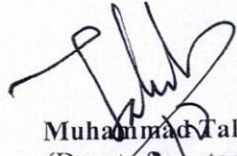
In reference to the above-mentioned subject and letter, the office of the RRRC acknowledges receipt of your letter dated 17 August 2025 regarding the request for approval of four Temporary Safer Shelter (TSS) models in line with the Government of Bangladesh-approved TSS application. After careful review and consideration, the RRRC office is pleased to approve for the implementation of the following two TSS models:

Model 3: **Upgraded Mid-Term Shelter (MTS) with TSS Features**

Model 4: **CGI Roofing & Cement-Soaked Geotextile Shelter (CR&CS-GS) – New TSS Model**

2. However, regarding the model 1 (Mud Tally Shelter-MTS) and Model 2 (Waste Revive Resilient Shelter-WRRS), it has been decided to resubmit the drawing, design and BoQ according to the approved guidelines.

Thank you for your continuous support and cooperations.


Muhammad Talut
(Deputy Secretary)
Mobile: 01847-424197
E-mail: contact@rrrc.gov.bd

Mr. David Bugden
Principal Coordinator
Inter Sector Coordination Group (ISCG)
Cox's Bazar

Copy for kind information:

1. **Additional Refugee Relief and Repatriation Commissioner**, this office
2. **Camp-in-Charge (all)**, Ukhiya/Teknaf, Cox's Bazar.
3. **PS to RRRC** (For kind attention of RRRC).
4. Office Copy.

TSS (Temporary Safer Shelter) **CGI Roofing with Cement Soaked Geo Textile Shelter**

General Notes

Shelter size-10'x15'(150 sq ft)
Flooring: Sand & Cement
Plinth Beam: Cement & sand mortar
Wall: Bamboo mat with cement soaked Geo-textile wall
Structure: Metal frame, Precast RCC post footing foundation footing foundation
Roofing: CGI sheet with cement soaked geo textile insulation

ISCG SCCC Sector

SCCCM Sector Standards - Bangladesh

Rohingya Refugee Response **SECTOR**
 Bangladesh Cox's Bazar, Bangladesh

Coordination Hub, Kabita Sononi, Motel Road, Cox's Bazar-4700, Bangladesh

Project Title:TSS(Temporary Safer Shelter)
CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No:

Scale:

Sheet No: Top Sheet

Date: June, 2025.

Sketch & Planning by:
 (Shelter taskforce Team)

Drawn by:
 (Meer Md.Ferdous Islam, Syed Naved Zaman & Umi Das)

Design & Checked by:
 () & Shelter taskforce Team

Technical Support & Validated by:
 SCCC Sector-ISCG and PPPIC



BAVNS WATERLAND PLANT TRUSTS
 FOR NEXT GENERATION

LEGEND:

 Woven Bamboo Mat wall	 RCC Post	 Cement Soaked Geo Textile
 Metal Frame	 CGI Sheet	 Plain Sheet

0 1m 2m

(Signature)
 Md. Ismail Hossain
 Care & Maintenance Officer
 RRRC Office, Cox's Bazar

(Signature)
 Muhammad Talut
 Deputy Secretary
 RRRC Office, Cox's Bazar



General Notes

Shelter size: 10'x15' (150 sq ft)
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 SHELTER & CCCM SECTOR
 Cox's Bazar, Bangladesh
 Coordination Hub, Kabila Soroni, Motel Road, Cox's Bazar-4700, Bangladesh

Project Title: TSS (Temporary Safer Shelter)
 CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No:

Scale: 1:1

Sheet No: 3D View

Date: June, 2025.

Sketch & Planning by:
 [Shelter taskforce Team]

Drawn by:
 [Meer Md Fardous Islam, Syed Naved Zaman & Umi Das]

Design & Checked by:
 [Shelter taskforce Team]

Technical Support & Validated by:
 SCCCM Sector-4SCG and RPRC



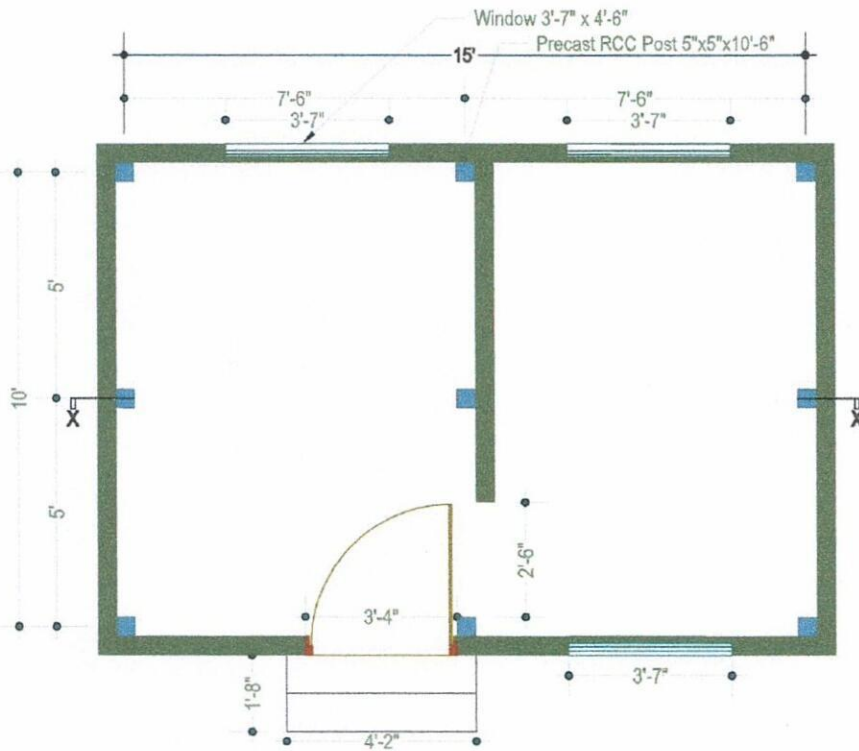
LEGEND:

Woven Bamboo Mat wall
 Metal Frame
 RCC Post
 CGI Sheet
 Cement Soaked Geo Textile
 Plain Sheet

0 1m 2m

Md. Ismail Hossain
 Md. Ismail Hossain
 Care & Maintenance Officer
 RPRC Office, Cox's Bazar

Muhammad Talut
 Muhammad Talut
 Deputy Secretary
 RPRC Office, Cox's Bazar



SHELTER PLAN

General Notes

Shelter size-10'x15'(150 sqft)
Flooring: Sand & Cement
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 Coordination Hub, Kabita Sonari, Motel Road, Cox's Bazar-4700, Bangladesh

Project Title:TSS(Temporary Safer Shelter)
 CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No: 01

Scale: 1:1

Sheet No: 01

Date: June, 2025.

Sketch & Planning by:
 (Shelter taskforce Team)

Drawn by:
 (Meer Md.Ferdous Islam, Syed Naved Zaman & Umi Das)

Design & Checked by:

5 Shelter taskforce Team

Technical Support & Validated by:
 SCCCM Sector-HSG and PRRC



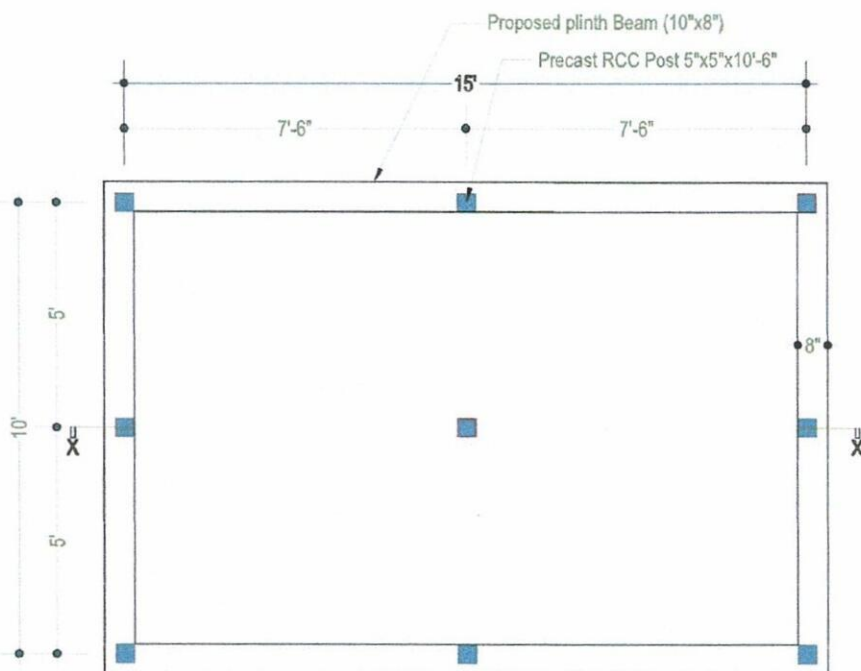
LEGEND:

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|-----------------------|-----------|---------------------------|
| Woven Bamboo Mat wall | RCC Post | Cement Soaked Geo Textile |
| Metal Frame | CGI Sheet | Plain Sheet |



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 Md. Ismail Hossain
 Care & Maintenance Officer
 RRRC Office, Cox's Bazar

Imdad Talut
 Deputy Secretary
 Cox's Bazar



PLINTH BEAM LAYOUT PLAN

General Notes

Shelter size: 10'x15' (150 sq ft)
Flooring: Sand & Cement
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Project Title: TSS (Temporary Safer Shelter)
CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No: 02

Scale: 1:1

Sheet No: 02

Date: June, 2025.

Sketch & Planning by:
 [Shelter taskforce Team]

Drawn by:
 [Meer Md.Ferdous Islam, Syed Nasir Zaman & Umri Das]

Design & Checked by:
 [Shelter taskforce Team]

Technical Support & Validated by:
 SCCCMM Sector-ISC and RRRC



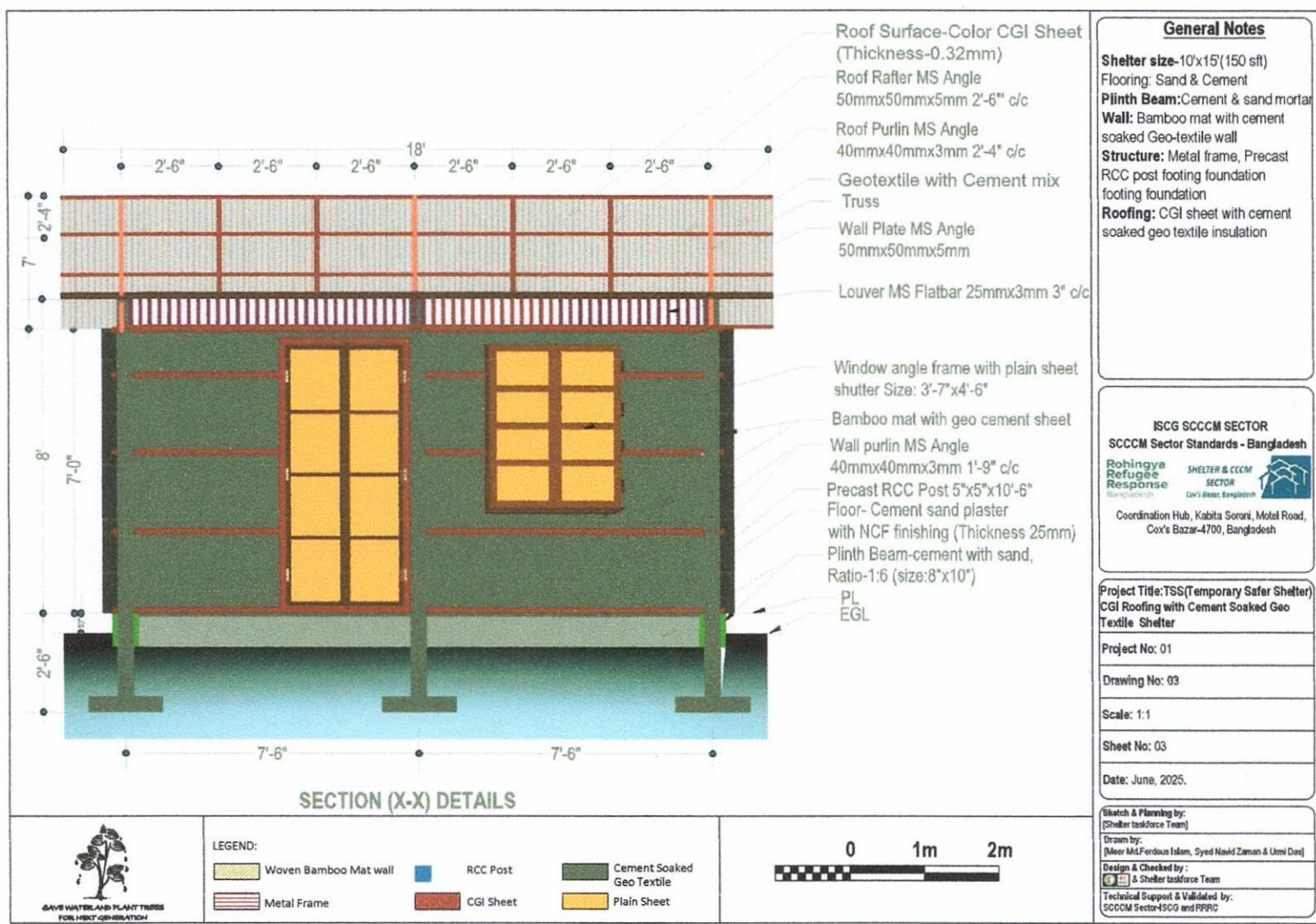
LEGEND:

Woven Bamboo Mat wall
 Metal Frame
 RCC Post
 CGI Sheet
 Cement Soaked Geo Textile
 Plain Sheet



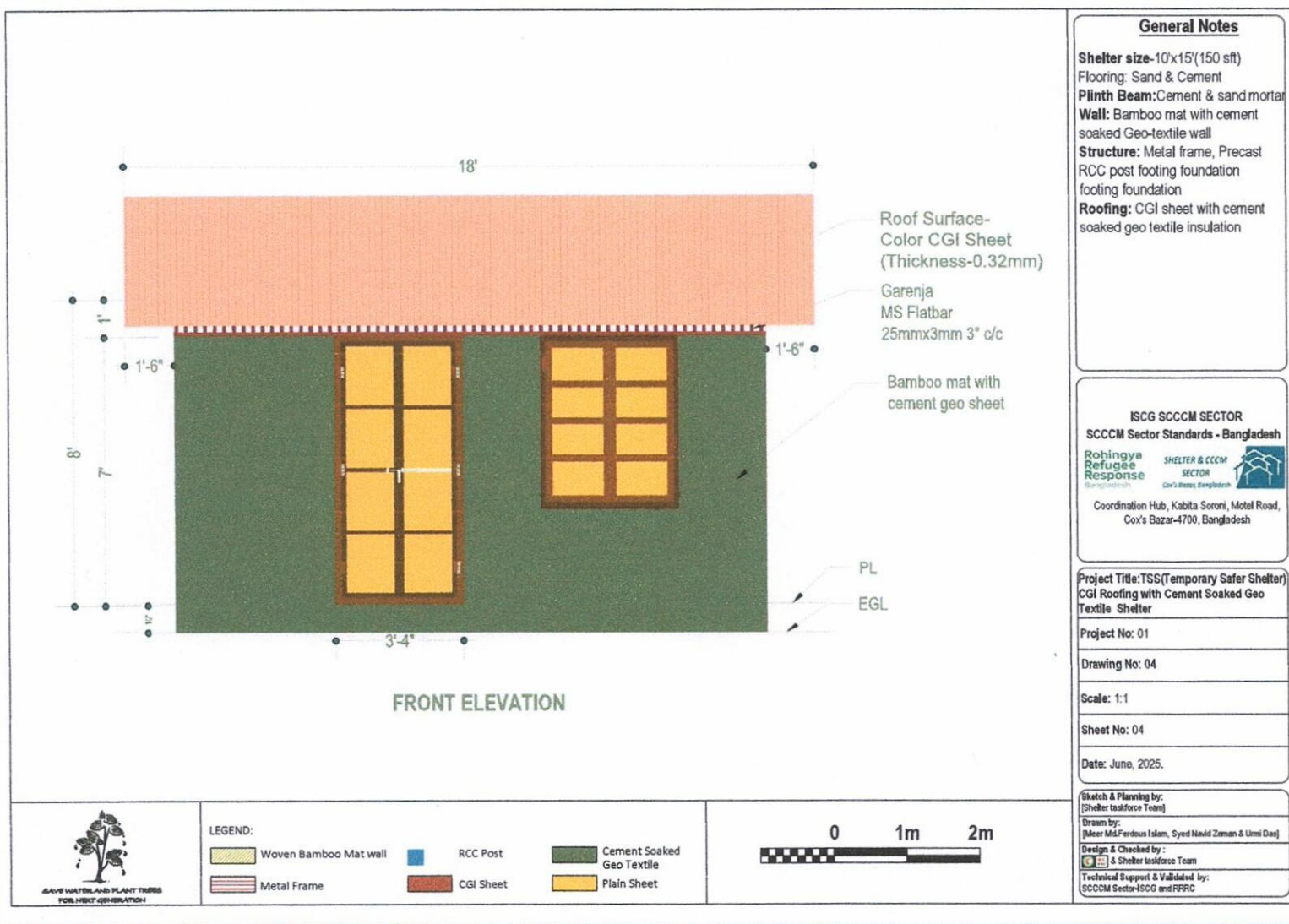
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 Care & Maintenance Officer
 RRRC Office, Cox's Bazar

Muhammad Talut
 Muhammad Talut
 Deputy Secretary
 RRRC Office, Cox's Bazar



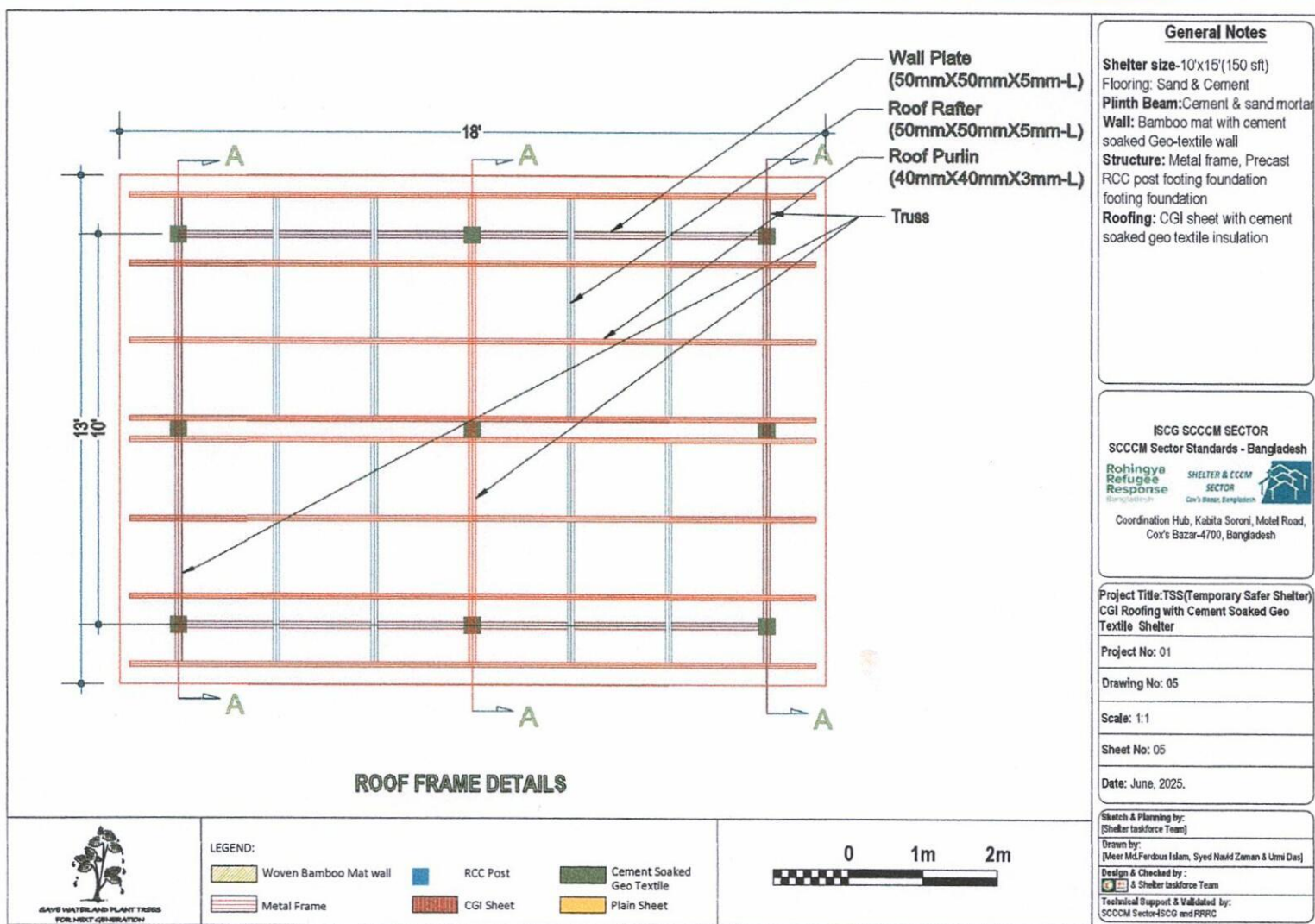
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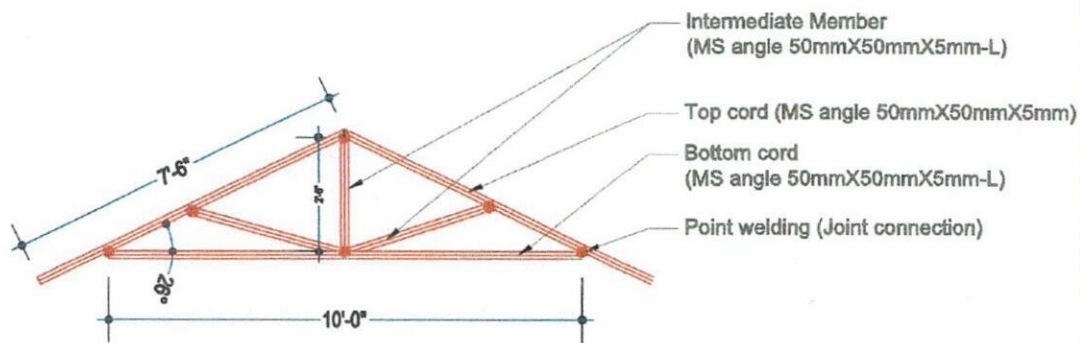
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Deputy Secretary
RRRC Office, Cox's Bazar



TRUSS DETAILS

General Notes

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Project Title: TSS(Temporary Safer Shelter)
 CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No: 06

Scale: 1:1

Sheet No: 06

Date: June, 2025.

Sketch & Planning by:
 (Shelter taskforce Team)

Drawn by:
 (Meer Md.Ferdous Islam, Syed Naved Zaman & Umit Das)

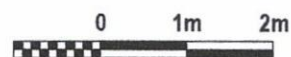
Design & Checked by:
 (Shelter taskforce Team)

Technical Support & Validated by:
 SCCC Sector-ISCO and RRRC



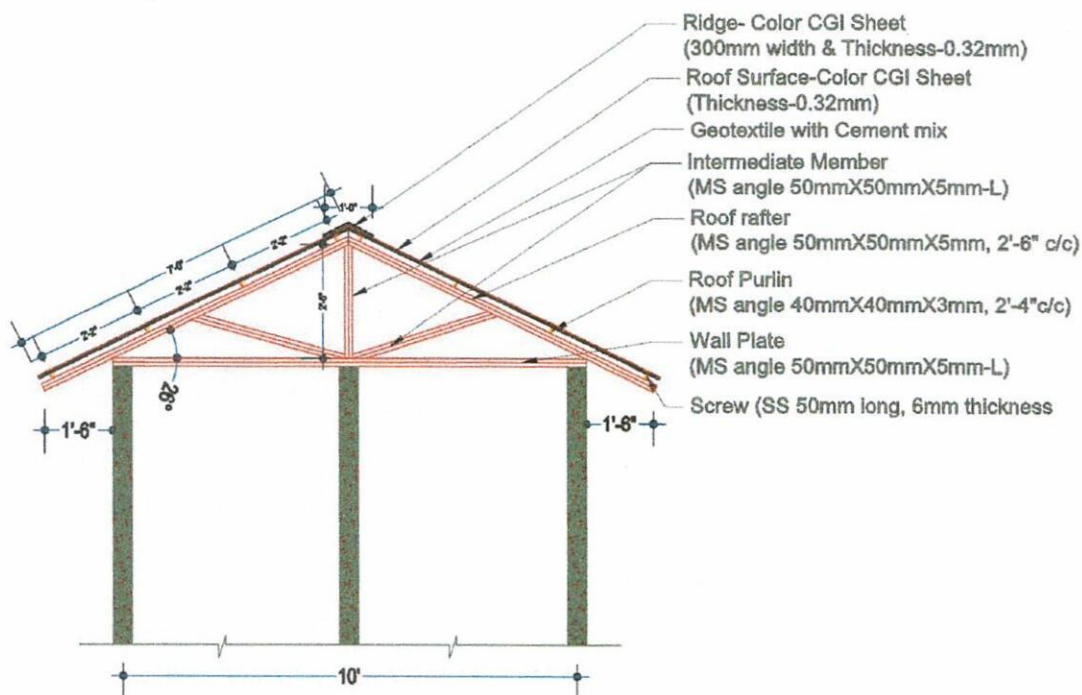
LEGEND:

Woven Bamboo Mat wall
 Metal Frame
 RCC Post
 CGI Sheet
 Cement Soaked Geo Textile
 Plain Sheet



Signature
 Md. Ismail Hossain
 Care & Maintenance Officer
 RRRC Office, Cox's Bazar

Signature
 Muhammad Talut
 Deputy Secretary
 RRRC Office, Cox's Bazar



ROOF SECTION (A-A) DETAILS

General Notes

Shelter size-10'x15' (150 sq ft)
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 Cox's Bazar, Bangladesh
 Coordination Hub, Kabita Soroni, Motel Road, Cox's Bazar-4700, Bangladesh

Project Title: TSS (Temporary Safer Shelter)
 CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No: 07

Scale: 1:1

Sheet No: 07

Date: June, 2025.

Sketch & Planning by:
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 Drawn by:
 (Meer Md. Faridul Islam, Syed Naved Zaman & Umi Des)
 Design & Checked by:
 S Shelter taskforce Team
 Technical Support & Validated by:
 SCCC Sector-ISCG and PPRC

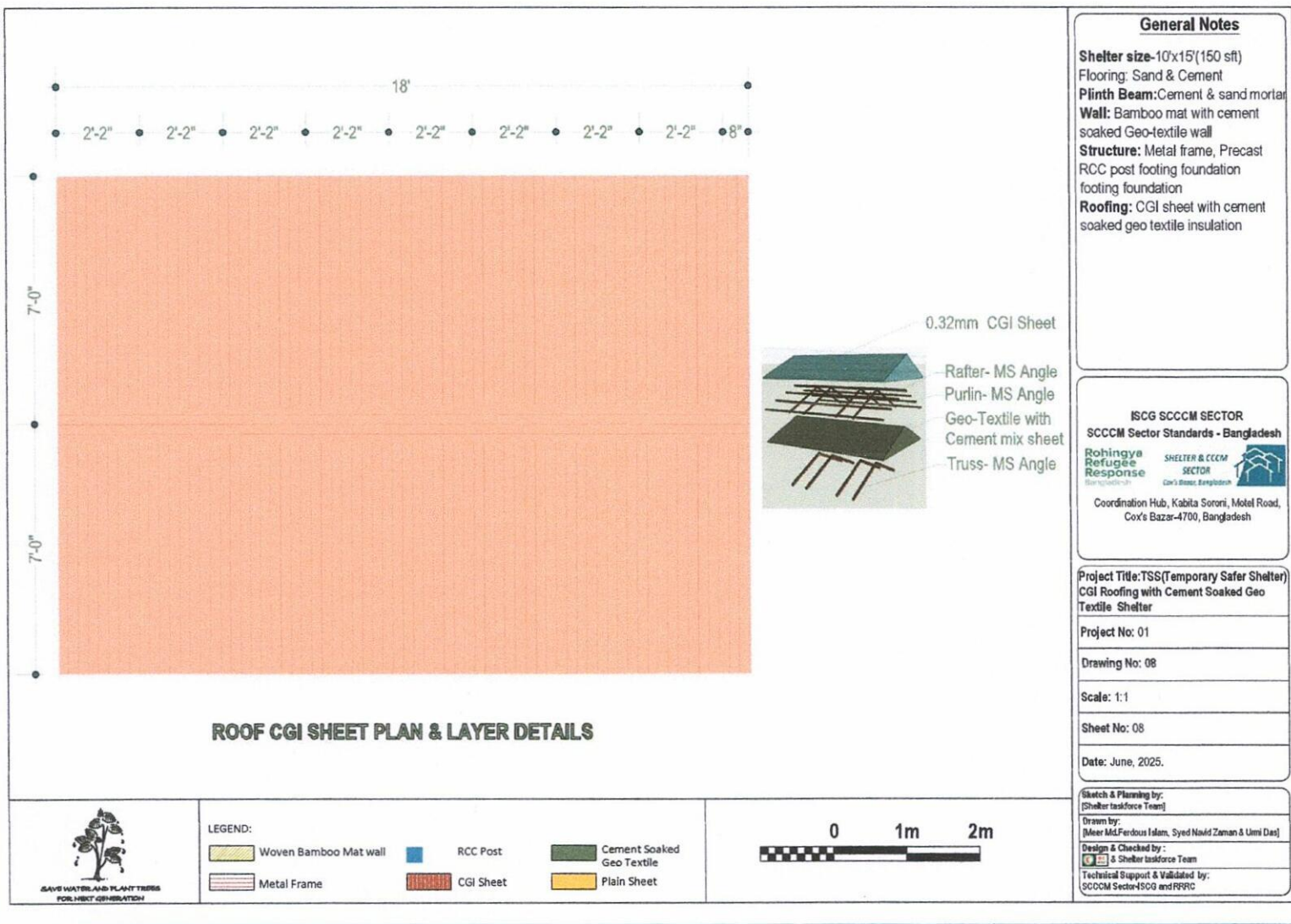


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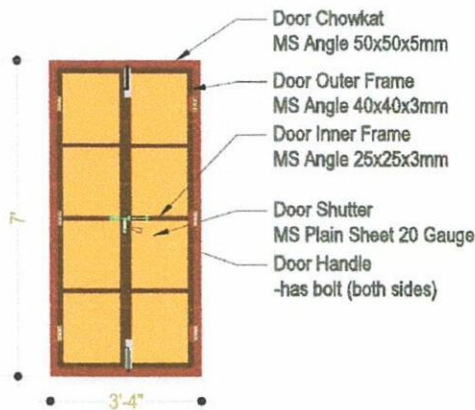
Md. Ismail Hossain
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 Care & Maintenance Officer
 RRRC Office, Cox's Bazar

Muhammad Talui
 Muhammad Talui
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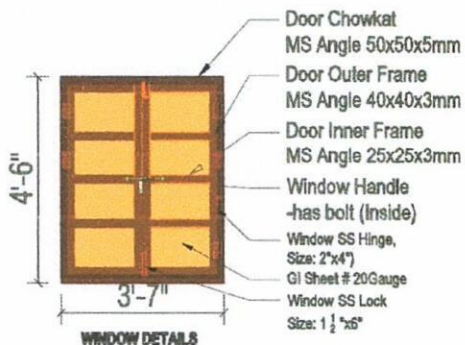


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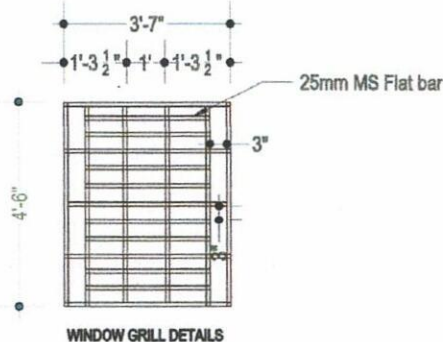
Talut
Muhammad Talut
Deputy Secretary
RRRC Office, Cox's Bazar



MAIN DOOR DETAILS (METAL)



WINDOW DETAILS



WINDOW GRILL DETAILS

General Notes

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Project Title: TSS (Temporary Safer Shelter)
 CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No: 09

Scale: 1:1

Sheet No: 09

Date: June, 2025.

Sketch & Planning by:
 [Shelter taskforce Team]

Drawn by:
 [Meer Md.Ferdous Islam, Syed Naved Zaman & Umi Des]

Design & Checked by:
 [Shelter taskforce Team]

Technical Support & Validated by:
 SCCC Sector-ISCG and RRRC

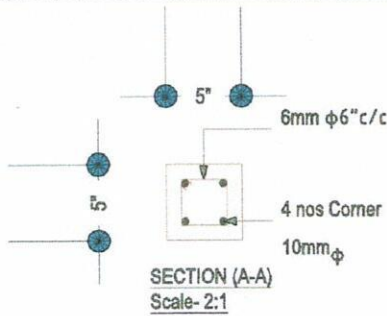


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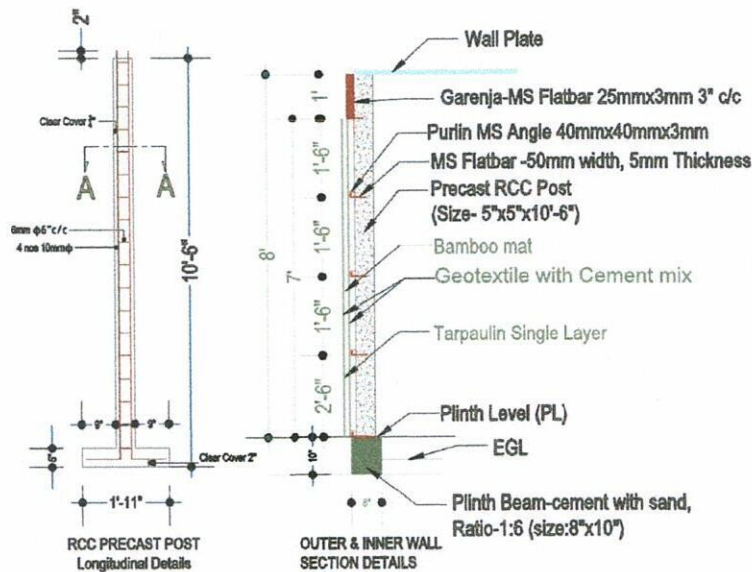


[Signature]
 Md. Ismail Hossain
 Care & Maintenance Officer
 RRRC Office, Cox's Bazar

[Signature]
 Muhammad Talut
 Deputy Secretary
 RRRC Office, Cox's Bazar



MATERIAL REQUIREMENTS
 cement: portland cement (PCC CEMII), fresh (≤2 months old).
 sand: sand (FM-1.2-1.5mm), clean, sharp-edged, and silt-free (max 3% silt content).
 Aggregate: Coarse aggregate (size-20mm down well graded), clean, sharp-edged, and dust-free
 water: clean, pH 6-8 (no salinity/organic matter).
 Reinforcement: 6mm-10mm mild steel deformed bars (grade 60).
 Form work: form work -Steel/wood shutter
MORTAR MIX PROPORTION
 ratio: 1 part cement : 1.5 parts sand : 3 parts aggregate (by volume).
 consistency: concrete slump 40-60mm
 Curing: submerged by water/covered by wet hessian cloths/ water spray 5x/day for minimum 14 days; avoid direct sunlight
TECHNICAL PERFORMANCE
 compressive strength: ≥20 mpa at 28 days.
QUALITY CONTROL CHECKS
 before casting: ensure clear cover & verify bar overlap (min. 400mm), no rust on steel.
 during casting: ensure mix proportion, shutter work, no voids; use needle vibrator if needed.
 post-casting: ensure curing



General Notes

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Project Title: TSS(Temporary Safer Shelter)
 CGI Roofing with Cement Soaked Geo Textile Shelter

Project No: 01

Drawing No: 10

Scale: 1:1

Sheet No: 10

Date: June, 2025.

Sketch & Planning by:
 [Shelter taskforce Team]

Drawn by:
 [Meer Md.Ferdous Islam, Syed Nawid Zaman & Umil Das]

Design & Checked by:
 [Shelter taskforce Team]
Technical Support & Validated by:
 SCCCM Sector-4ISG and PRRC



LEGEND:

Woven Bamboo Mat wall	RCC Post	Cement Soaked Geo Textile
Metal Frame	CGI Sheet	Plain Sheet



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 Care & Maintenance Officer
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