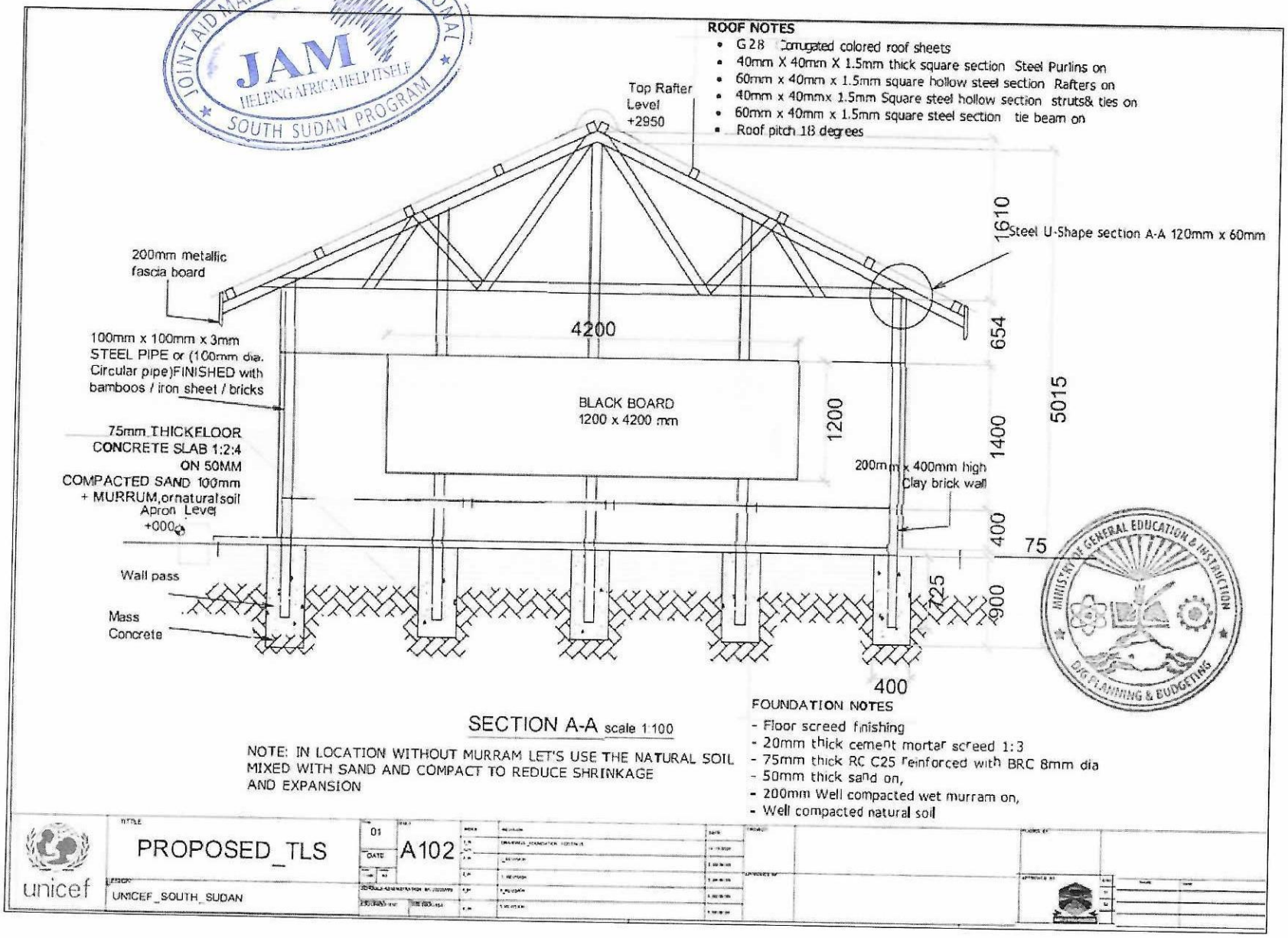
ROOF NOTES
G 28 Corrugated colored roof sheets
40mm X 40mm X 1.5mm thick square section Steel Purlins on
60mm x 40mm x 1.5mm square hollow steel section Rafters on
40mm x 40mmx 1.5mm Square steel hollow section struts& ties on
60mm x 40mm x 1.5mm square steel section tie beam on
Roof pitch 18 degrees
Top Rafter Level +2950
Steel U-Shape section A-A 120mm x 60mm
200mm metallic fascia board
100mm x 100mm x 3mm STEEL PIPE or (100mm dia. Circular pipe)FINISHED with bamboos / iron sheet / bricks
75mm THICKFLOOR CONCRETE SLAB 1:2:4 ON 50MM COMPACTED SAND 100mm + MURRUM,ornaturalsoil
Apron Level +000
BLACK BOARD 1200 x 4200 mm
200mm x 400mm high Clay brick wall
Wall pass
Mass Concrete
4200
1200
1610
654
1400
5015
400
75
725
900
400
SECTION A-A scale 1:100
NOTE: IN LOCATION WITHOUT MURRAM LET'S USE THE NATURAL SOIL MIXED WITH SAND AND COMPACT TO REDUCE SHRINKAGE AND EXPANSION
FOUNDATION NOTES
- Floor screed finishing
- 20mm thick cement mortar screed 1:3
- 75mm thick RC C25 reinforced with BRC 8mm dia
- 50mm thick sand on,
- 200mm Well compacted wet murram on,
- Well compacted natural soil
JOINT AID MANAGEMENT INTERNATIONAL
JAM
HELPING AFRICA HELP ITSELF
SOUTH SUDAN PROGRAM
MINISTRY OF GENERAL EDUCATION & INSTRUCTION
DEPT PLANNING & BUDGETING
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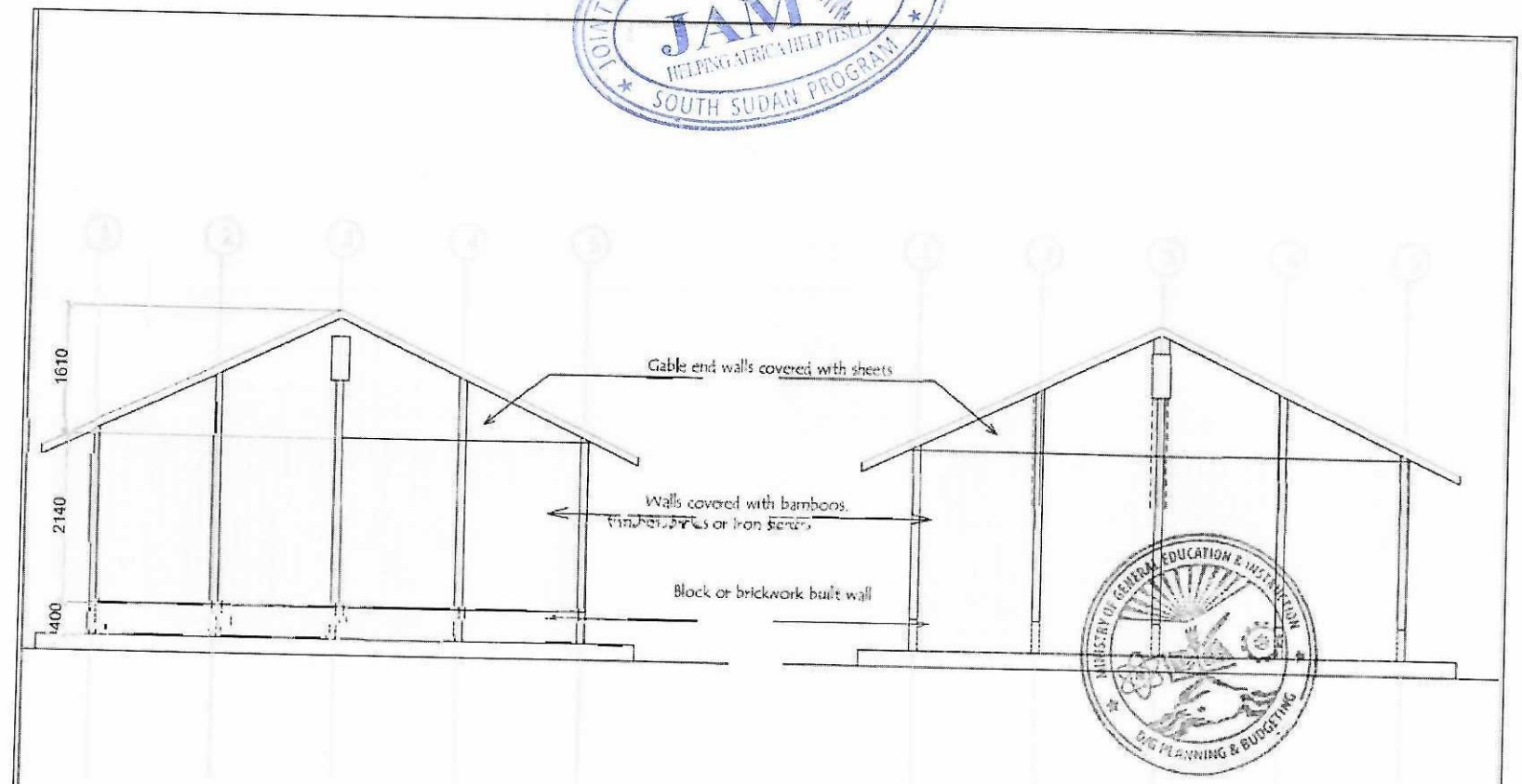
PROPOSED_TLS
UNICEF_SOUTH_SUDAN
01
A102



END ELEVATION
Scale 1:100

LEFT END ELEVATION
Scale 1:100

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DESIGN
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MINISTRY OF GENERAL EDUCATION & INSTRUCTION
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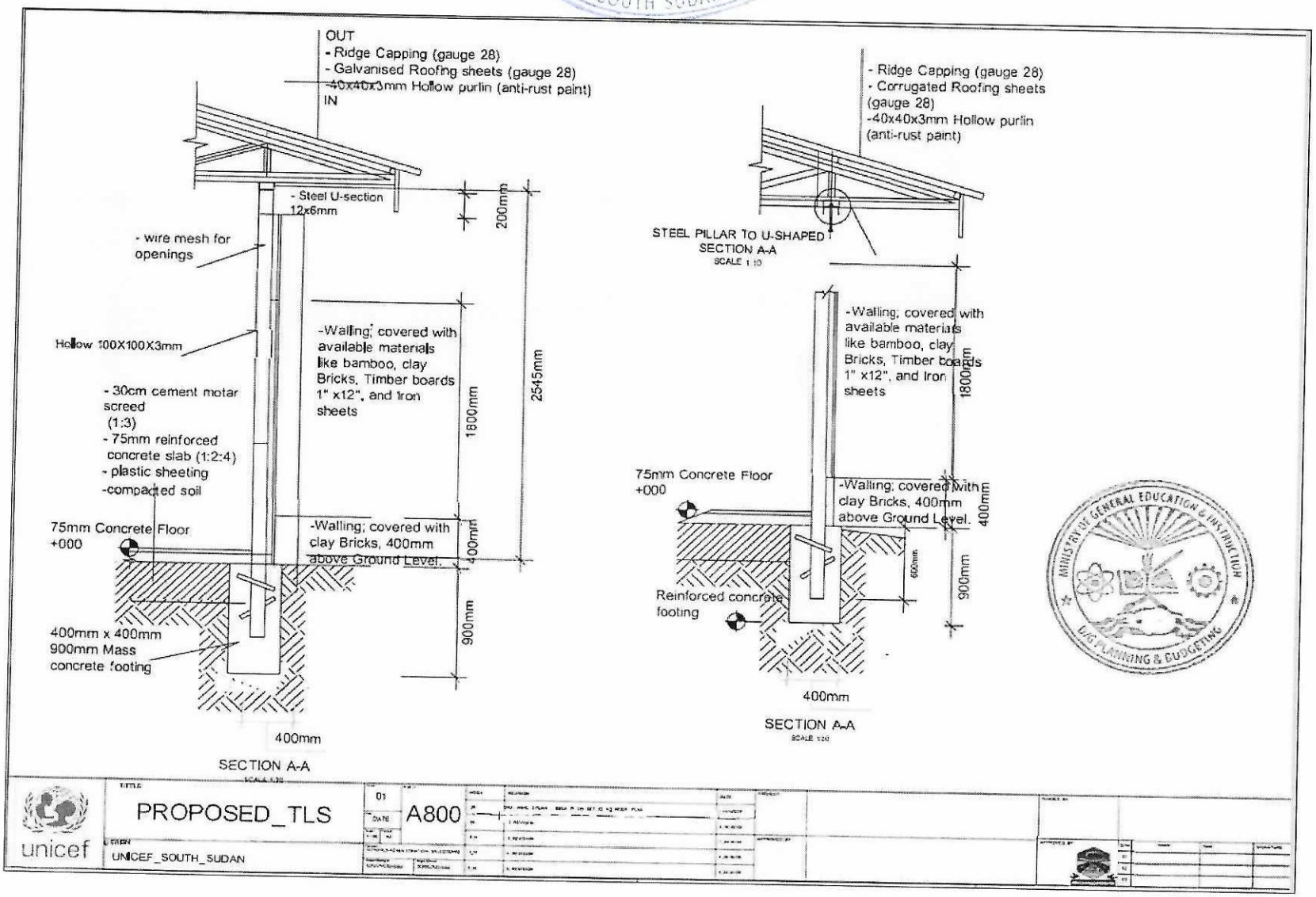
OUT
- Ridge Capping (gauge 28)
- Galvanised Roofing sheets (gauge 28)
-40x40x3mm Hollow purlin (anti-rust paint)
IN
- Steel U-section 12x6mm
200mm
- wire mesh for openings
Hollow 100X100X3mm
-Walling; covered with available materials like bamboo, clay Bricks, Timber boards 1" x12", and Iron sheets
1800mm
2545mm
- 30cm cement motar screed (1:3)
- 75mm reinforced concrete slab (1:2:4)
- plastic sheeting
-compacted soil
75mm Concrete Floor
+000
-Walling; covered with clay Bricks, 400mm above Ground Level.
400mm
900mm
400mm x 400mm
900mm Mass concrete footing
400mm
SECTION A-A
- Ridge Capping (gauge 28)
- Corrugated Roofing sheets (gauge 28)
-40x40x3mm Hollow purlin (anti-rust paint)
STEEL PILLAR TO U-SHAPED
SECTION A-A
SCALE 1:10
-Walling; covered with available materials like bamboo, clay Bricks, Timber boards 1" x12", and Iron sheets
1800mm
75mm Concrete Floor
+000
-Walling; covered with clay Bricks, 400mm above Ground Level.
400mm
600mm
900mm
Reinforced concrete footing
400mm
SECTION A-A
SCALE 1:20
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A800
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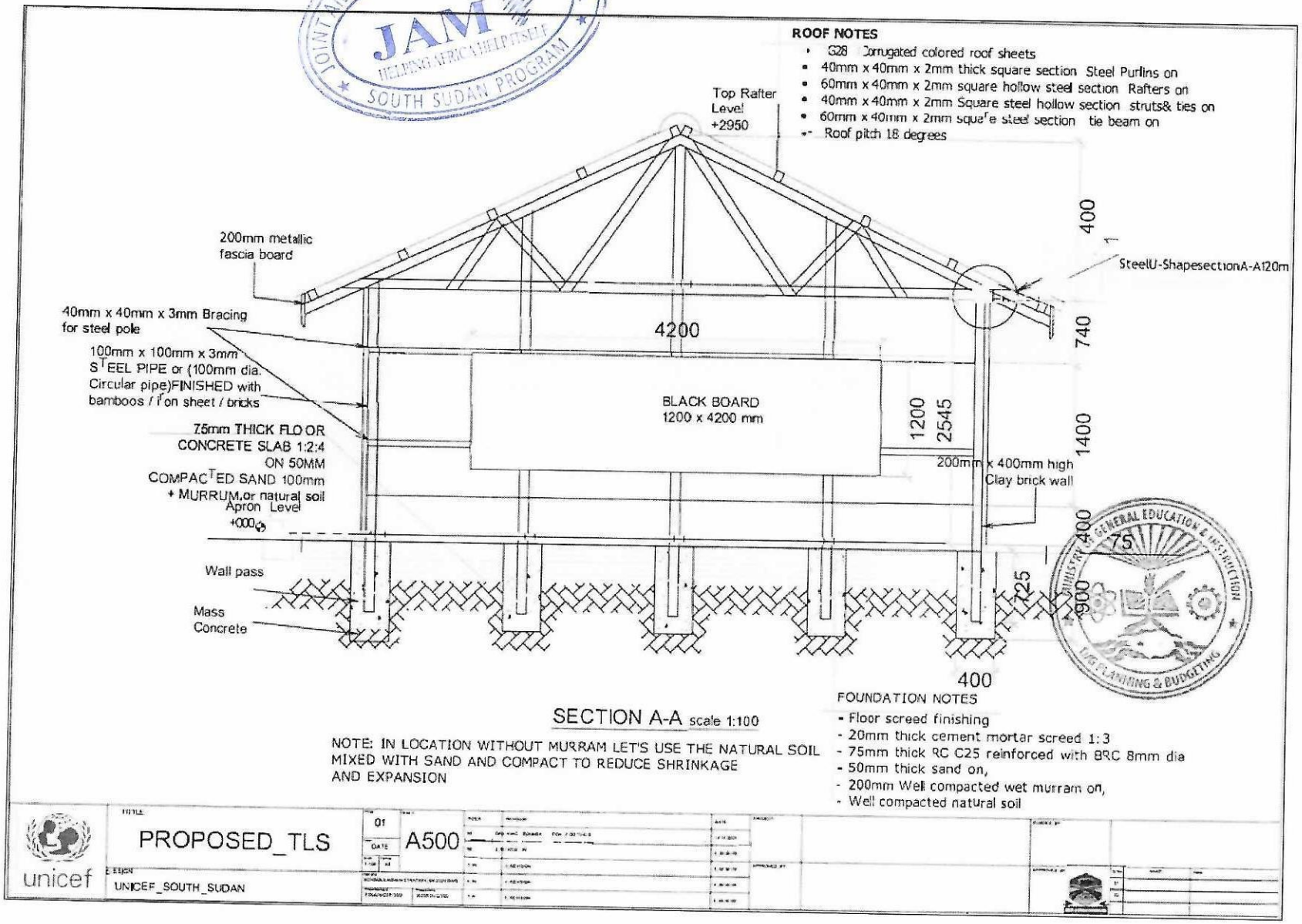

SECTION A-A scale 1:100

NOTE: IN LOCATION WITHOUT MURRAM LET'S USE THE NATURAL SOIL MIXED WITH SAND AND COMPACT TO REDUCE SHRINKAGE AND EXPANSION

FOUNDATION NOTES
- Floor screed finishing
- 20mm thick cement mortar screed 1:3
- 75mm thick RC C25 reinforced with BRC 8mm dia
- 50mm thick sand on,
- 200mm Well compacted wet murram on,
- Well compacted natural soil

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A500

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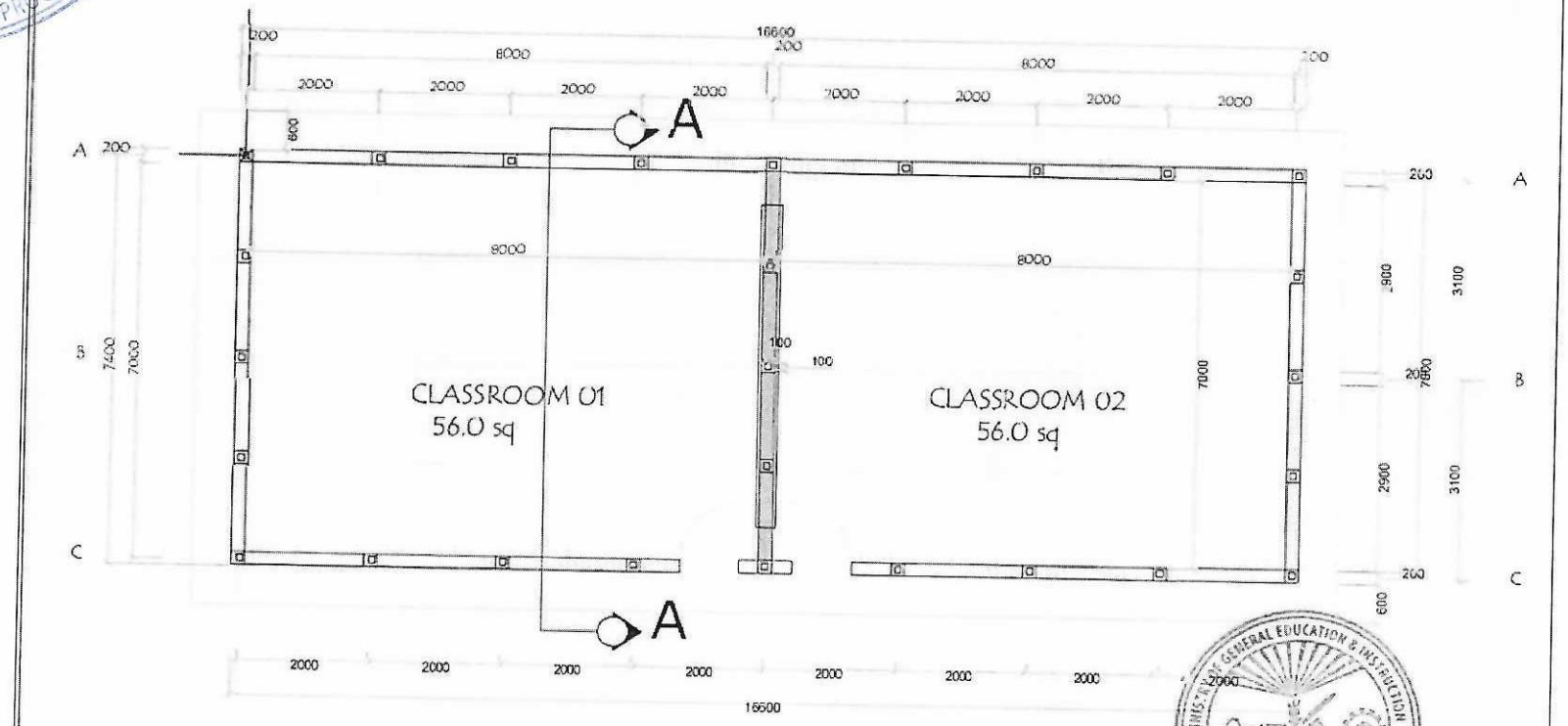

STRUCTURAL FLOOR PLAN

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A100

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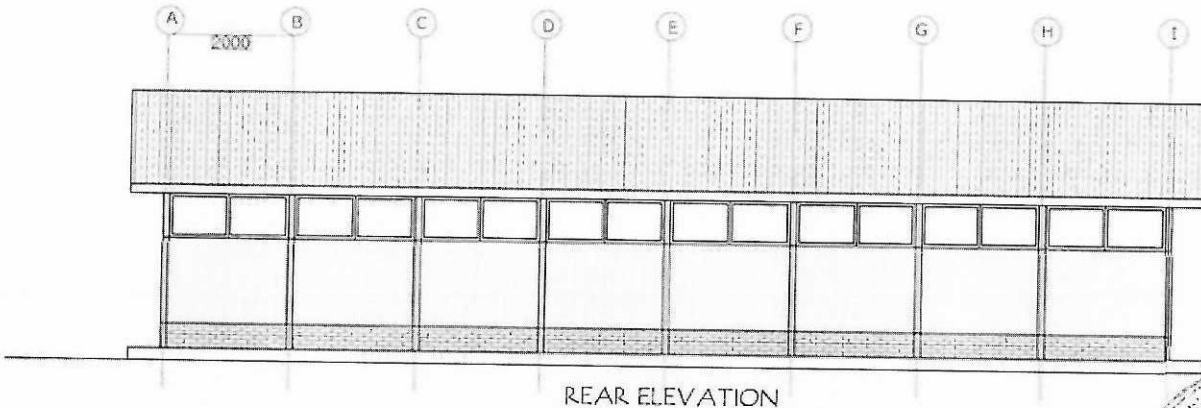
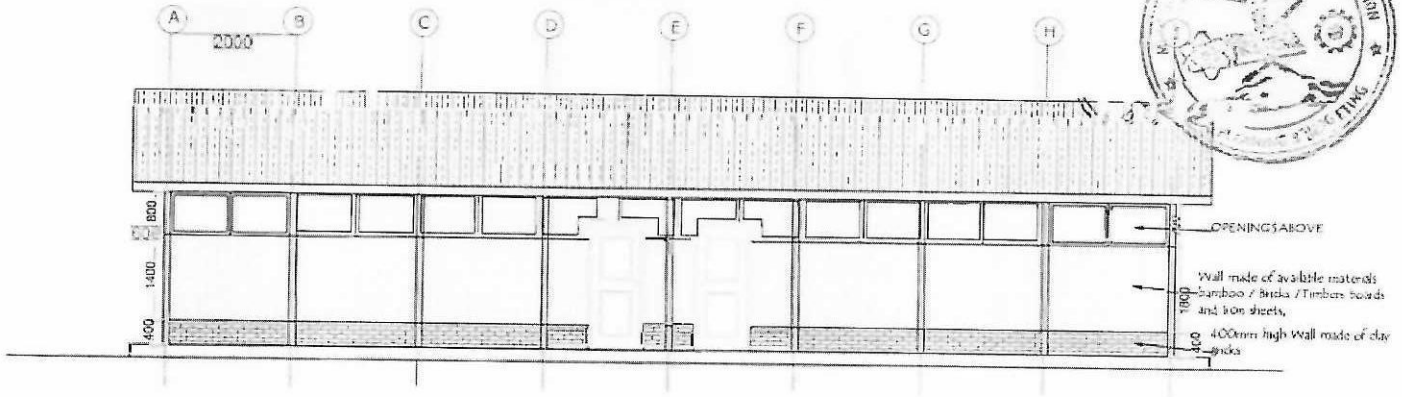


REAR ELEVATION
Scale 1:100



FRONT ELEVATION
Scale 1:100

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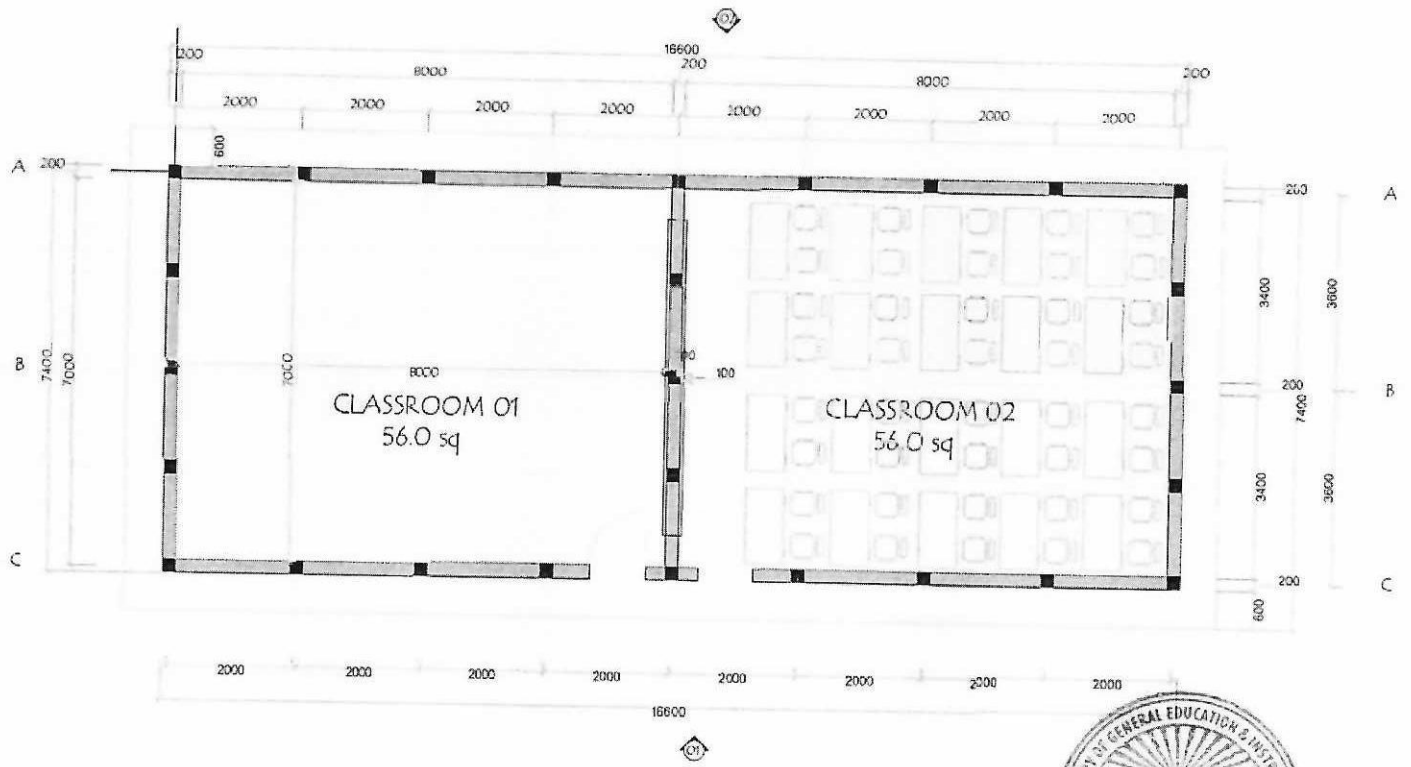
DATE

A300



ARCHITECHURAL FLOOR PLAN
Scale: 1:100

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DESIGN	UNICEF_SOUTH_SUDAN
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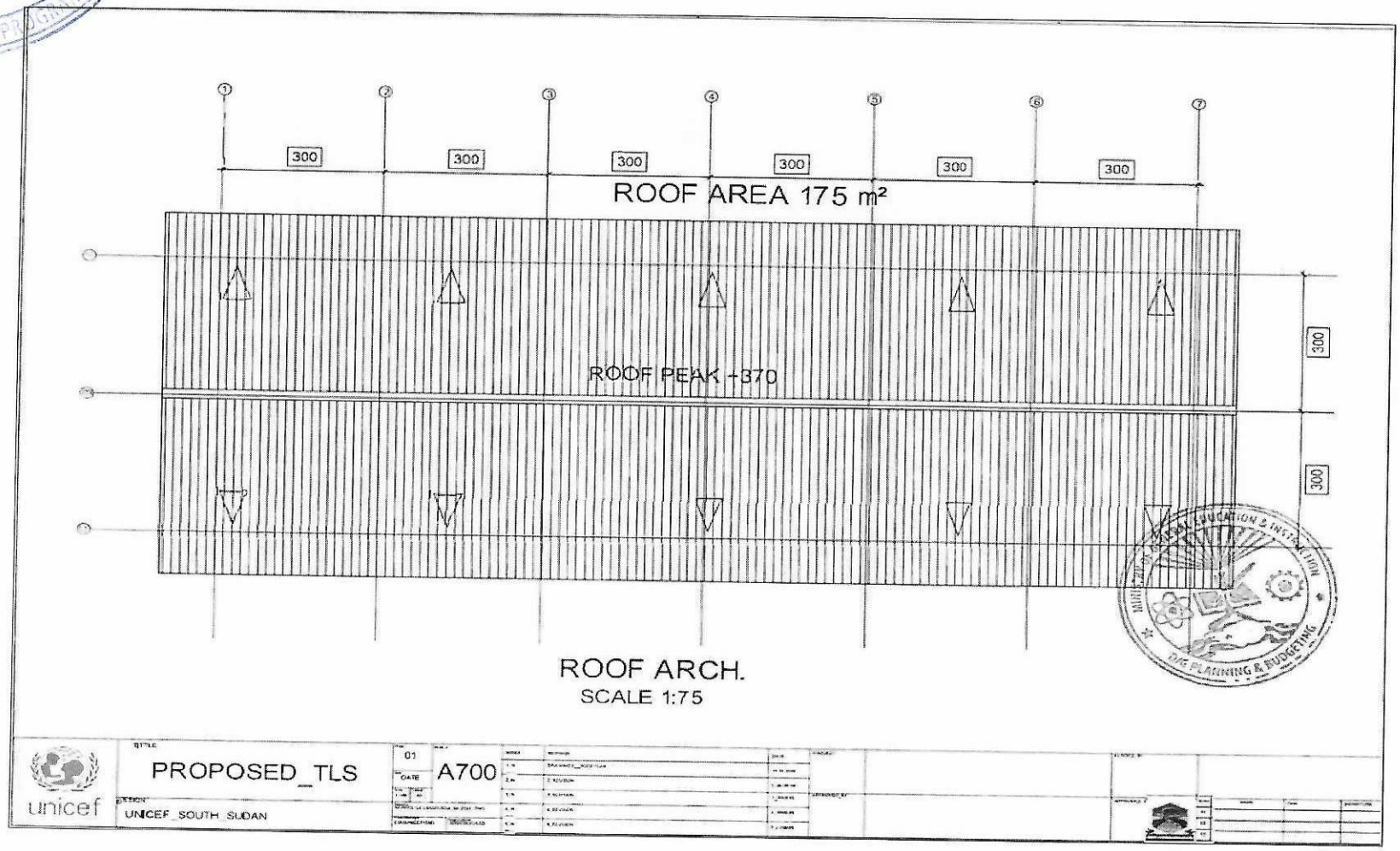
	A200


1
2
3
4
5
6
7
300
300
300
300
300
300
ROOF AREA 175 m²
ROOF PEAK +370
300
300
ROOF ARCH.
SCALE 1:75
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SITE PREPARATION
- Building Site to be graded flat with 5% slope away from structure,extending a minimum of 2.5M from perimeter
- Drainage necessary away from structure, which may require substantial fill material

CONCRETE
- River sand may be used only after thorough washing to remove fines (silt and clay)
- All aggregate to be clean and free of organic material
- Water to be clear - use flocculent on river water or any water with suspended particles

FOUNDATIONS COLUMN EXCAVATION
- 400mm x 400mm x 900mm mass concrete pad foundation under each foundation steel column
- Concrete to be 1:2:4 cement:sand:aggregate, for the footing concrete
- All aggregate to be <50mm

FOUNDATION COLUMNS FOOTINGS
- 400mm x 400mm x 600mm, for foundation column
- Concrete to be 1:2:4 cement:sand: aggregate ,for foundation column
- (4) 12mm reinforcing bars in foundation column
- 8mm links at 125mm on center per column.I
- All aggregate to be <50mm

SLAB
- 75mm thick reinforced concrete floor slab 1:2:4 concrete and for location without murram use to compact normal soil and sand compacted before sla to reduce the compression and expansion.
- Floor slab to be with floor screed monolithically to achieve uniform bond.
- Excavate slab area flat.Place fine grade and compact 30mm layer of sand.
- Concrete slab to be caste on 200mm compacted gravel and sand
- Control joints to be located between all rooms . Joint can be insert or saw cut, 10mm minimum depth

WALL COLUMNS:
- 100mm x 100mm x 3mm thick steel hollow wall section reinforced with
- Concrete to be 1:2:4 cement:sand:aggregate, for wall column Build half wall with brick walls,

WALLS:
- NOTE: for locations without clay burnt bricks, use of local materials like Bamboos, Timbers boards, and iron sheets can be used for the walls
- 400mm high from foundation use brick work to prevent flooding,
- 1800mm Bamboo walling on front and rear face of the building
- 2800mm high from the foundation and finished with iron sheets

DOORS
- All doors are made of Iron sheets

ROOF Metallic
- Use corrugated 28gauge colored roof sheet 28gauge
- All 60mm x 40mmx 2mm rafters, 60mm x40mm Tei Beam, 40mm x 40mm x 1.5mm struts and 40mm x 40mm x 2mm square steel purlins. All members to painted with three coats of anti rust paint or equivalent
- Purlins to be weld to rafter and to supporting cleat to provide adequate weld area and connection
- All steel members to be free of rust and all Nodes to connected with gusset plate of minimum 6mm thickness as indicated on drawings
- Rafters structure members to all be welded with adequate weld fillet of at least 6mm
- Roof structure /tie beam to be welded to 60mm x 40mm square tube.
- Roof sheets profile to be corrugated colored, 28 gauge
- All sheets to overlap 200mm

FLOOR
- Concrete floor to be 75mm 1:2:4 cement:sand aggregate
- Floor screed monolithically to achieve uniform bond.
- Compact murram, or place hardcore or compact natural soil mixed with sand to attain maximum compacted base layer. All Floor style may vary according to the location.

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G200

PROJECT: UNICEF_SOUTH_SUDAN

IMPROVING ACCESS AND QUALITY OF BASIC EDUCATION IN SOUTH SUDAN

UNICEF

MINISTRY OF GENERAL EDUCATION AND INSTRUCTION

PROPOSED IMPROVED TEMPORARY LEARNING SPACE (TLS), TWO CLASSROOM'S BLOCK FOR PRIMARY SCHOOL

SITE DETAILS	
STATE	
COUNTY	
PAYAM	
BOMA	
COORDINATES	
PREPARED BY:	UNICEF / MoGEI , JUBA SOUTH SUDAN
AUGUST 2021	