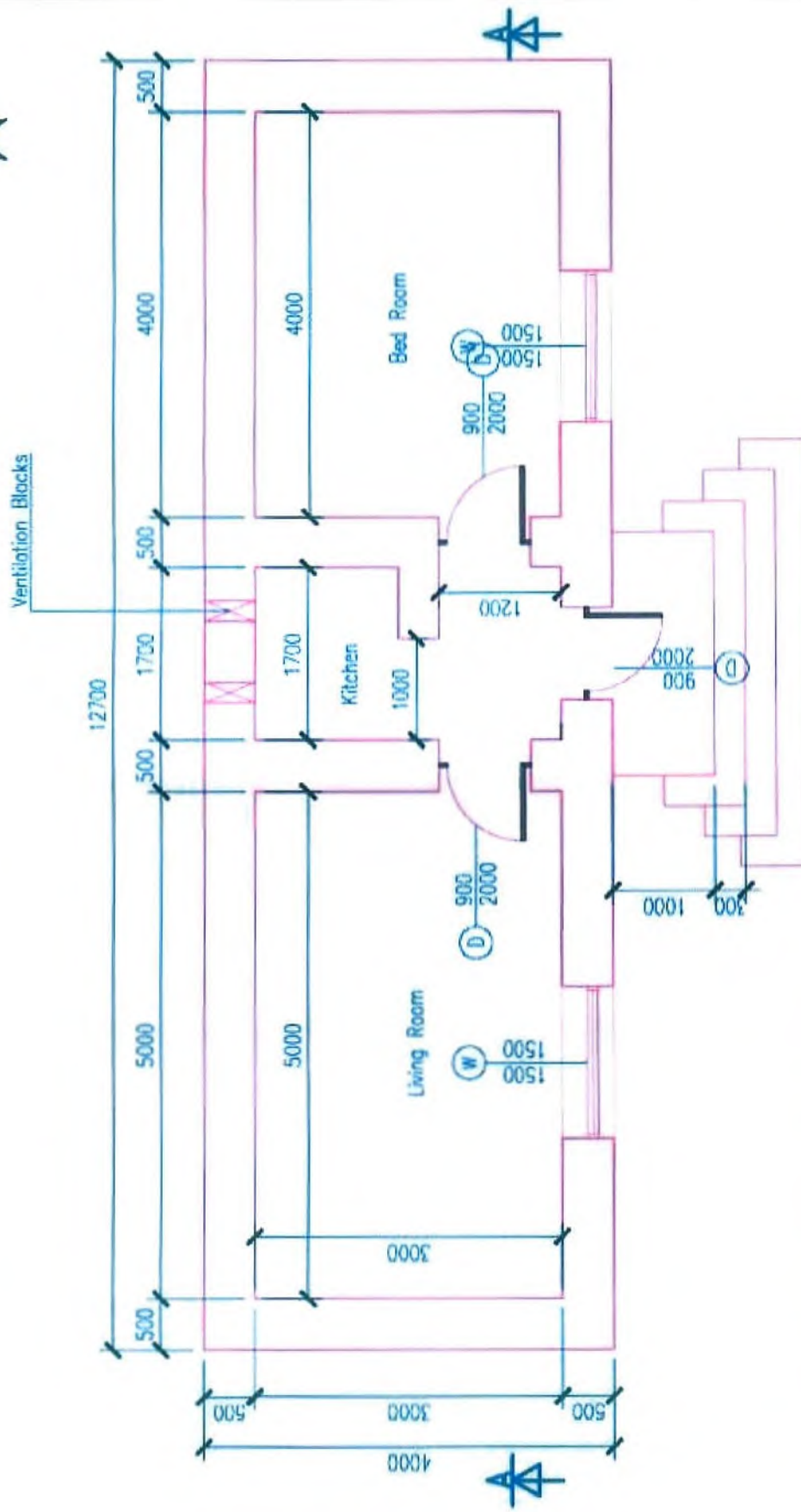


UNHCR SHELTER PROGRAM 2013
TWO ROOM SHELTER, TYPE 2RS-A4/2013
FRONT VIEW / MUD CLAY



DRW # A4: UNHCR, TYPE 2RS-A4/2013
DRW BY : UNHCR
DATE : Apr 2013

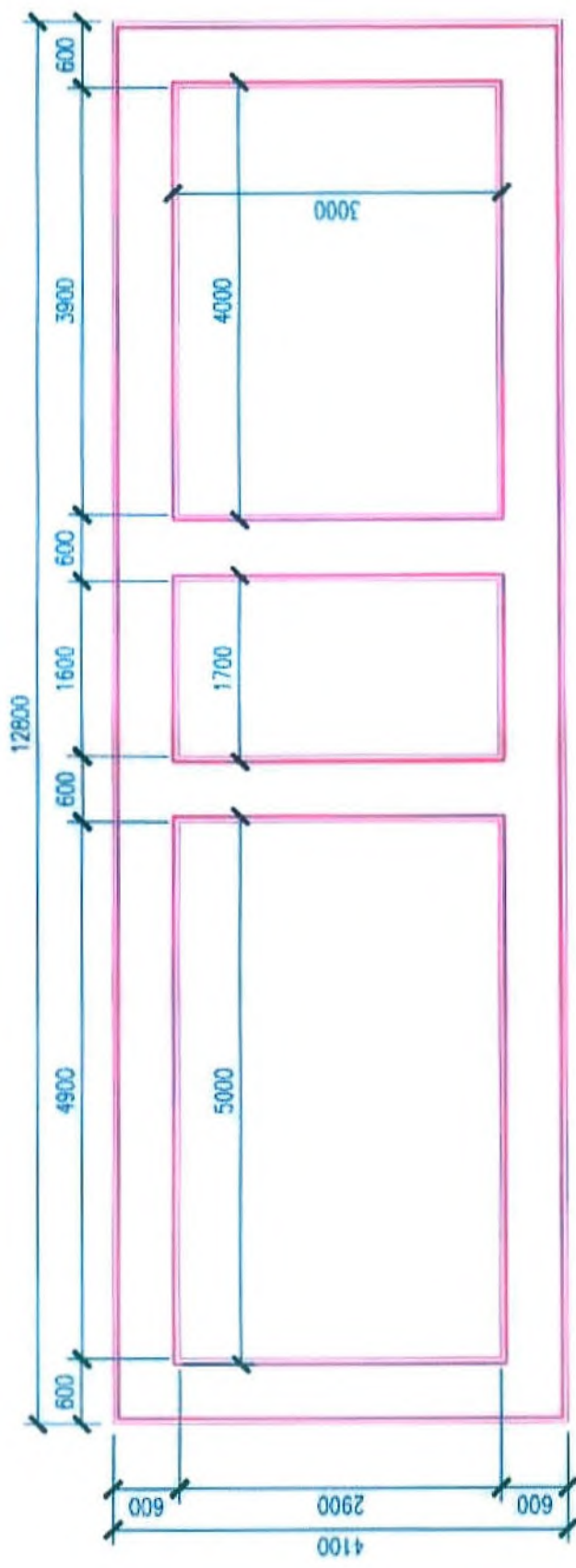
UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-A2/2013
 FLOOR PLAN / MUD CLAY



The wide of wall should not be less than 40cm in case from bricks

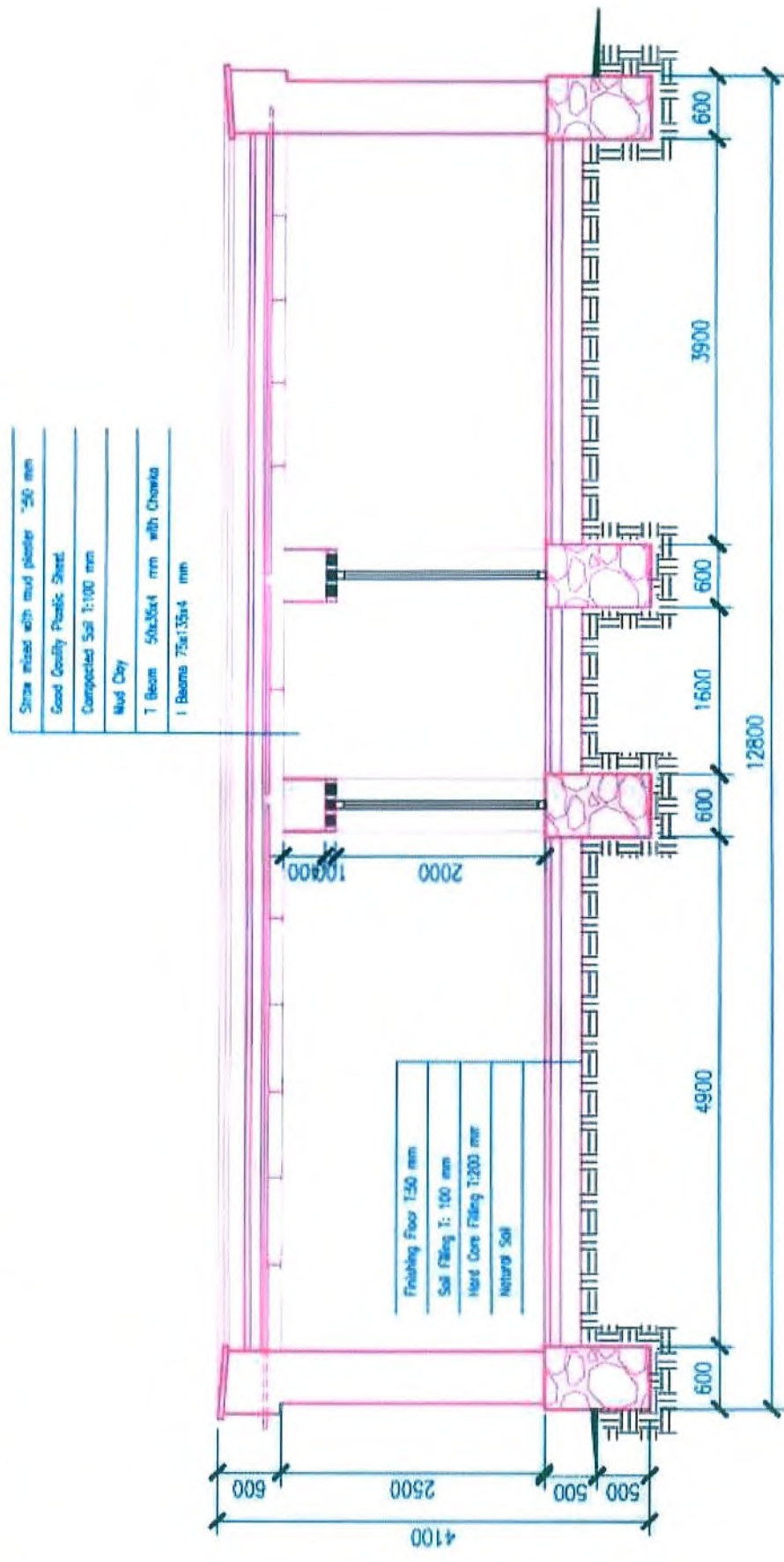
DRW / A2: UNHCR, TYPE 2RS-A2/2013
 DRW BY : UNHCR
 DATE : Apr 2013

SHELTER ASSISTANCE PROGRAMME 2014
TWO ROOM SHELTER, TYPE 2RS-A1/2014
FOUNDATION PLAN



DRW # A1; TYPE 2RS-A1/214
DRW By :
Date: Jun 2014

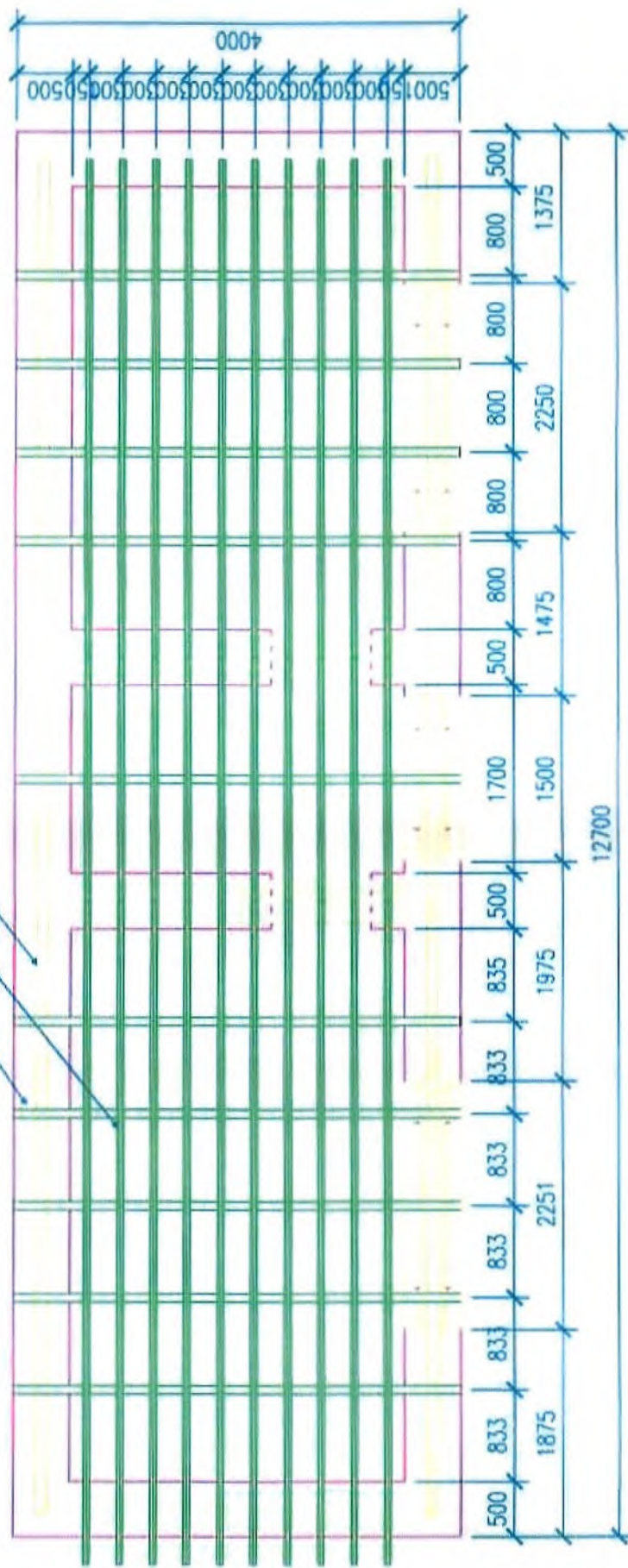
UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-AS/2013
 Section A-A/ CHAWKA BRICK CEILING



DRW # AS: UNHCR, TYPE 2RS-AS/2013
 DSM BY : UNHCR
 DATE : Apr 2013

UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-A3/2013
 ROOF PLAN / CHAWKA BRICK CEILING (Mud Clay)

- I Steel Beams (135x75x4)mm x 4000mm Total number 10
- T Steel Beams (35x50x4)mm x 4500mm Total number 10
- T Steel Beams (35x50x4)mm x 2200mm Total number 10
- T Steel Beams (35x50x4)mm x 6000mm Total number 10
- Wall Plate (100x100)mm x 6000mm Total number 4



Lintel (100x100)mm x 2250mm Total number 8
 Lintel (100x100)mm x 1500mm Total number 10

UNHCR Afghanistan Shelter Guidelines for 2014

BoQ for Shelter Type-A (Two-Room with Chawka Brick Ceiling)

Recommend for areas with low snow impact (ER)

A) Central Procurement (BO Kabul)

Item		UNIT	QTY	Unit Cost	Amount in US\$
Roofing	1 I-shape steel beam Size: (135 x 75 x 5)mm x 4,000mm long weight 48.5 KG	Unit	10.00		
	2 T-shape steel beam Size: (50 x 35 x 4)mm x 6,000mm long weight 15 KG	Unit	10.00		
	3 T-shape steel beam Size: (50x35x4)mm x 4,500 mm long weight 11.25 KG	Unit	10.00		
	4 T-shape steel beam Size: (50 x 35 x 4)mm x 2,000mm long weight 5 KG	Unit	10.00		
Doors	5 Metal Door, (Size: 900 x 2,000)mm as per design	Unit	1.00		
	6 Metal window (Size: 1,500 x 1,500)mm	Unit	2.00		
Tool kit	7 Hammer 600 gr	Unit	1.00		
	8 Shovel	Unit	1.00		
	9 Pickaxe	Unit	1.00		
	10 Hand saw 18"	Unit	1.00		
	11 Screwdriver (medium)	Unit	1.00		
	12 Iron Bucket	Unit	1.00		
	13 Nails 2"	KG	1.00		
	14 Wheelbarrow	Unit	1.00		
	15 Measuring tape (5,000mm)	Unit	1.00		

Total central procurement for 2-room shelter Type A:

0.00

B) Regional/Local Procurement (SOs/IPs)

Item		UNITS	QTY	Unit Cost	Amount in US\$
Roofing	1 Plastic sheeting (minimum 1.2 mm thick) placed as dump proof course over ceiling , T-beams and foundation walls	SQM	70.00		
	2 Chawka Bricks Size: (290 x 145 x 50)mm	Unit	889.00		
	3 Wall plate timber (100 x 100)mm x 6,000mm long (Russain khar wood)	Unit	4.00		
Openings	4 Wooden door (Size: 900 x 2,000)mm as per design	Unit	2.00		
	5 Door lintel timber 100x100 x 1500mm (Russain khar wood)	Unit	10.00		
	6 Window lintel timber 100x100x2250mm (Russain khar wood)	Unit	8.00		
	7 Hollow brick with net (Size:300 x 300)mm	Unit	2.00		
	8 Plain window glass (4mm thick) cut as per window design size	SQM	4.50		
	9 Silicon glue with related works	Unit	2.00		
Latrine	10 Metal Door, (Size: 800 x 1,800)mm	Unit	1.00		
	11 Wooden poles (120 - 140 mm diameter x 2,000mm length) for latrine roof	LM	8.00		
	12 Meshnet (double layer)	SQM	8.00		
	13 Door lintel (l=1,400 & c=25 cm)	Unit	2.00		
	14 RCC squatting slab (1,200 x 1,200 x 100 thick)mm	Unit	1.00		
	15 Trap door and frame / Prefab RCC, (frame size: 550 x 550 x 50 with door size: 400 x 400)mm	Unit	1.00		
	16 PVC vent pipe (Size: 4 "diameter)	LM	3.00		
	17 Wire guaze fly trap (for PVC pipe)	Unit	1.00		
	18 Cement for pit wall lining (M:400, 1:3)	Bag	3.00		
Other	19 Signboard	Unit	1.00		
	19 IP Costs (including remote monitoring, average country-wide)	ITEM	1.00		
	20 Cash for Work (CFW)	ITEM	1.00		

Total regional/local procurement for 2-room shelter Type A without earthquake (EQ) mitigating intervention:

0.00

C) Regional/Local Procurement (Earthquake Mitigation):

EQ areas	21 Wall bracing: "Katiba"- beams (seismic resistance) 60 x 40 x 1,200mm - length: 153.6m / Treated, cut and joint to specifications as per design	Unit	24		
	22 Nails Size: 5"	KG	1		

Total regional/local procurement for 2-room shelter Type A with EQ mitigating intervention:

\$ -

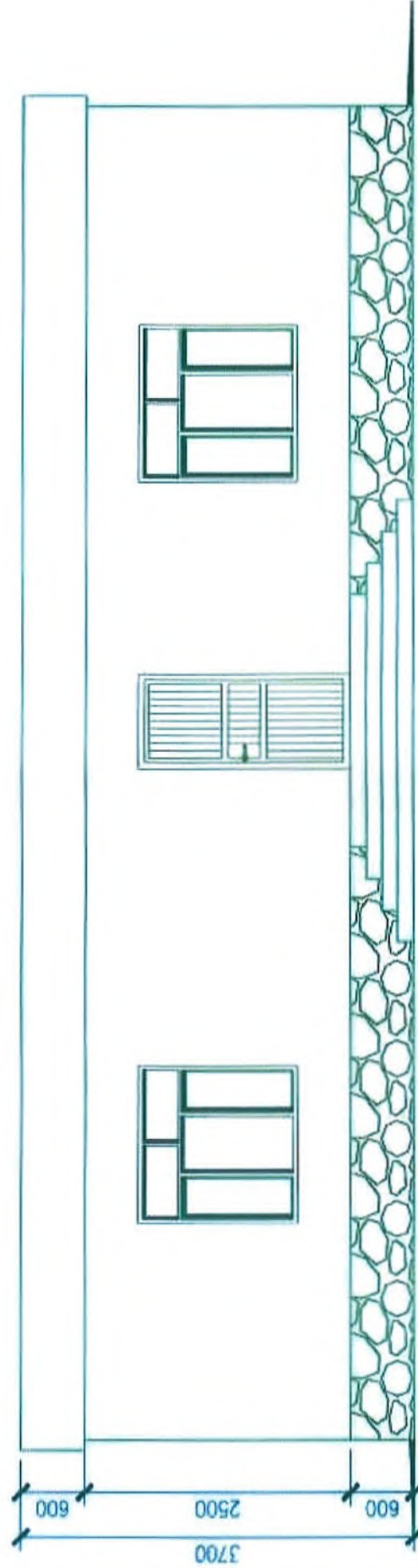
GRAND TOTAL WITHOUT EQ MITIGATION

\$ -

GRAND TOTAL WITH EQ MITIGATION

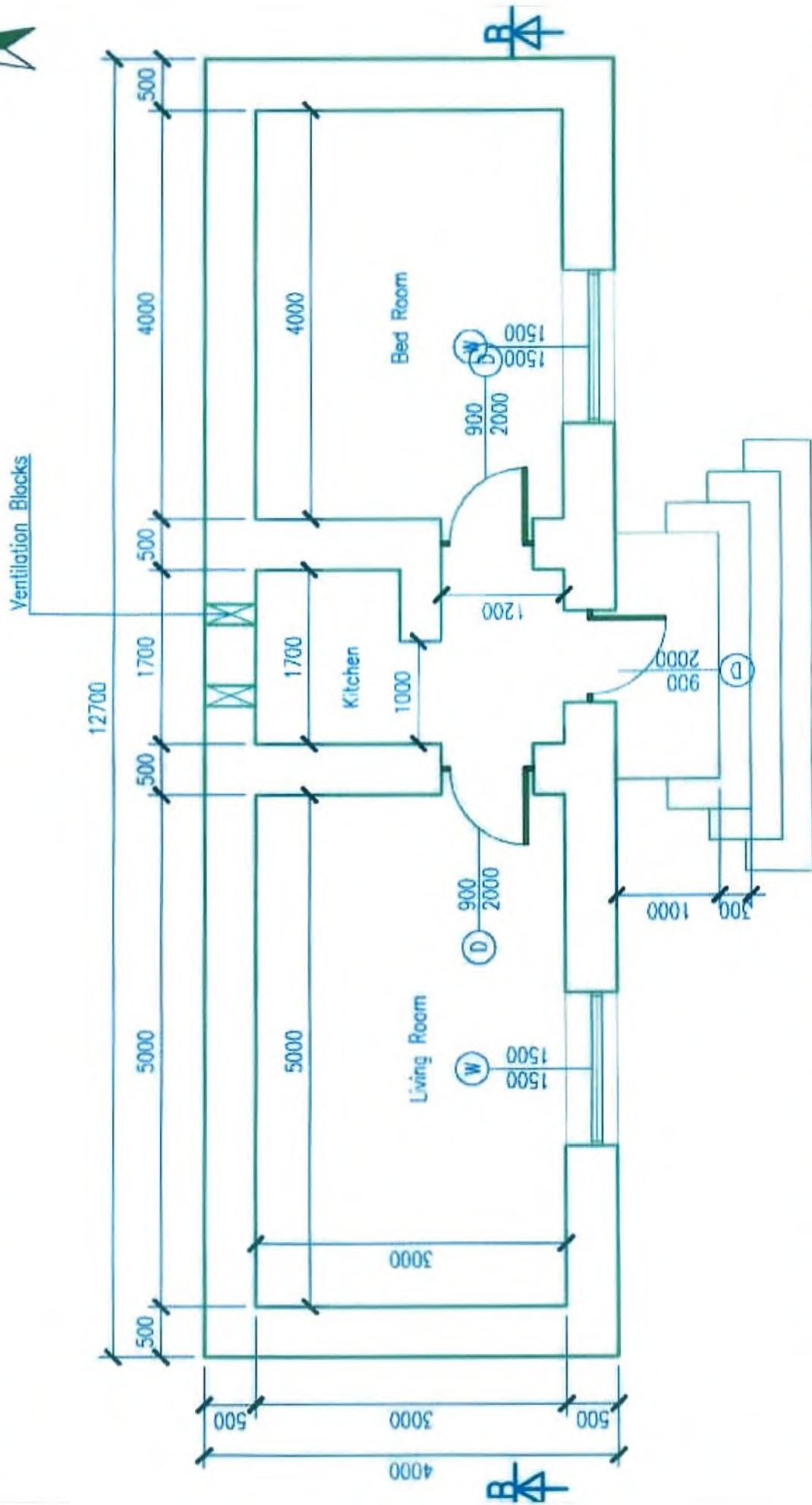
\$ -

UNHCR SHELTER PROGRAM 2013
TWO ROOM SHELTER, TYPE 2RS-B4/2013
FRONT VIEW / MUD CLAY



DRW # B4: UNHCR, TYPE 2RS-B4/2013
DRW BY : UNHCR
DATE : Apr 2013

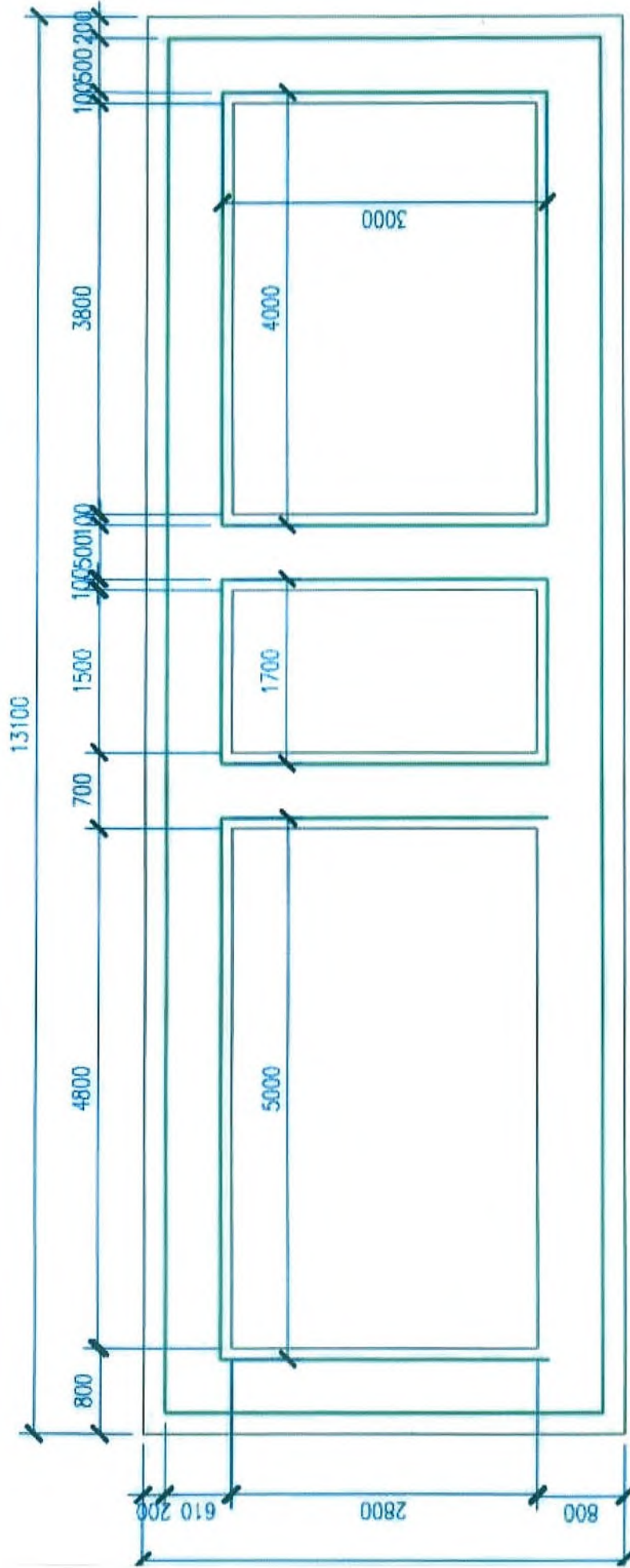
UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-B2/2013
 FLOOR PLAN / MUD CLAY



DRW / B2: UNHCR, TYPE 2RS-B2/2013
 DRW BY : UNHCR
 DATE : Apr 2013

The wide of wall should not be less than 40cm in case from bricks

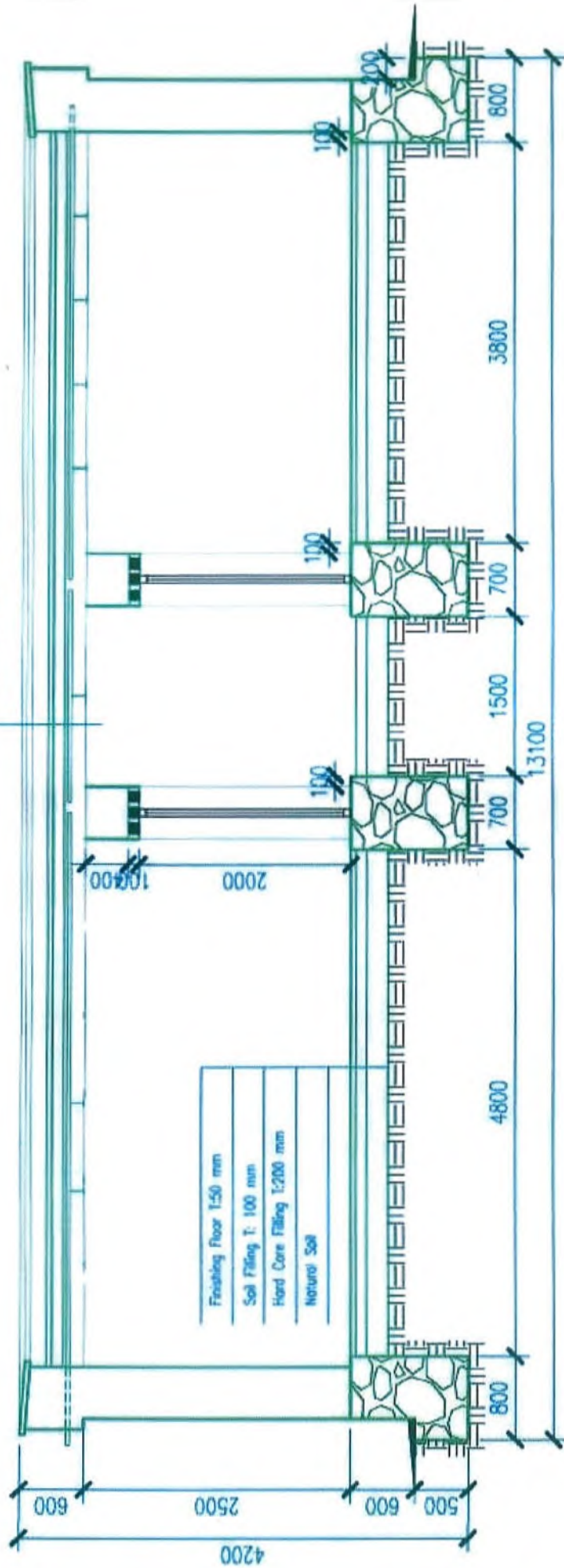
UNHCR SHELTER PROGRAM 2013
TWO ROOM SHELTER, TYPE 2RS-B1/2013
FOUNDATION PLAN



DRW / B1: UNHCR, TYPE 2RS-B1/2013
DRW By : UNHCR
Date: Apr 2013

UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-B5/2013
 Section B-B/KHAR WOOD CEILING

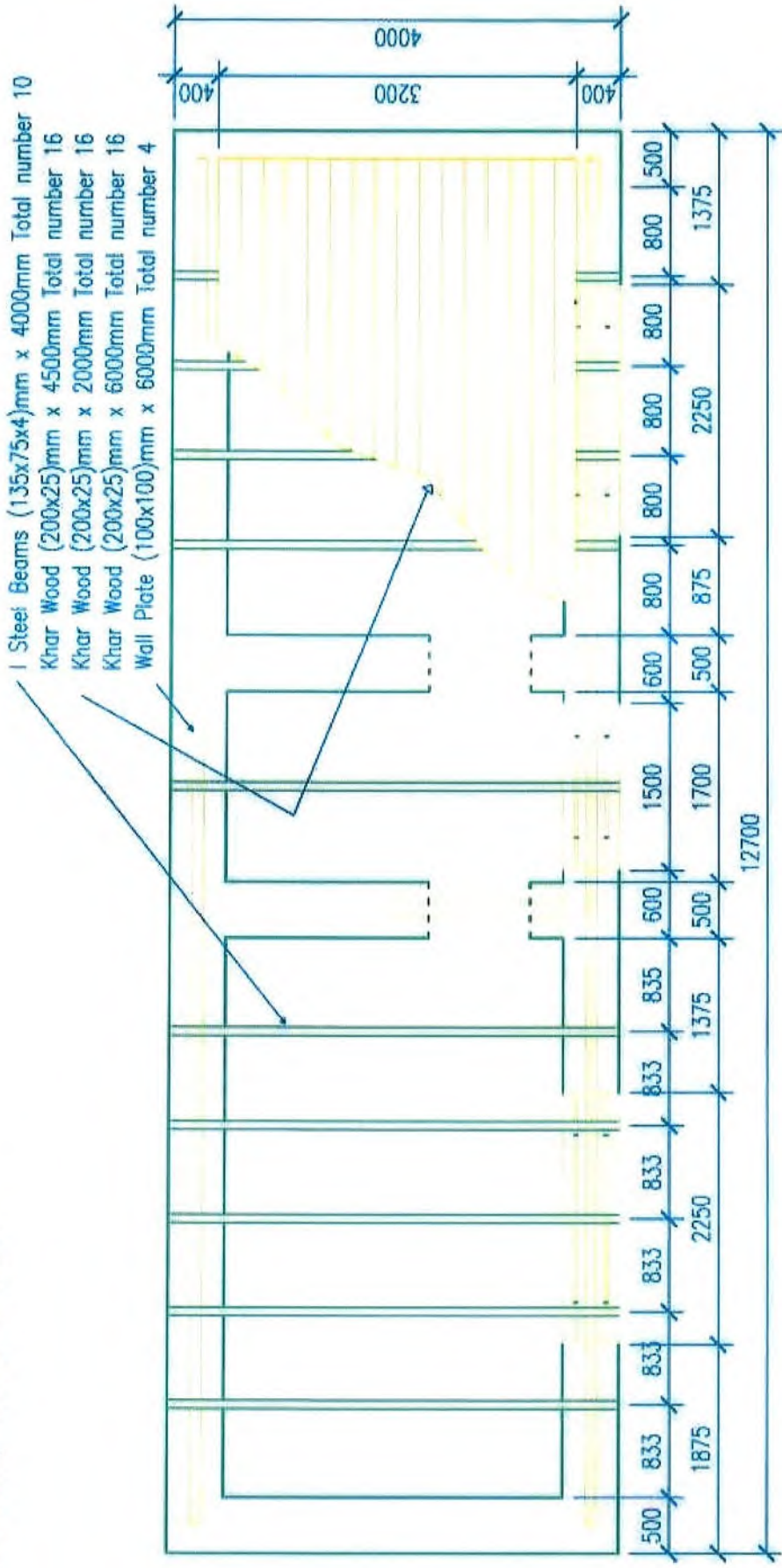
Stone mixed with mud plaster 1:50 mm
Good Quality Plastic Sheet
Composted Soil 1:100 mm
Mud Clay
Khar Wood 200x25 mm
1 Beams 75x135x4 mm



Finishing Floor 1:50 mm
Soil Filling 1: 100 mm
Hard Core Filling 1:200 mm
Natural Soil

DRW / BE: UNHCR, TYPE 2RS-B5/2013
 DRW BY : UNHCR
 DATE : Apr 2013

UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-B3/2013
 ROOF PLAN / KHAR WOOD CEILING



UNHCR Afghanistan Shelter Guidelines for 2014

BoQ for Shelter Type B (2-Room shelter Khar Wood Ceiling)

Recommended for areas with high snow impact (CR,CHR,NR,NER,SR,SER)

A) Central Procurement (BO Kabul)

Item		UNIT	QTY	Unit Cost	Amount in US\$
Opening Roofing	1 I-shape steel beam Size: (135 x 75 x 3)mm x 4,000mm long weight 42 KG Iranian made	Unit	10.00		
	2 Metal Door, (Size: 900 x 2,000)mm as per design	Unit	1.00		
	3 Metal window (Size: 1,500 x 1,500)mm including silicon glue with related works	Unit	2.00		

Total central procurement for 2-room shelter Type B:

0.00

B) Regional/Local Procurement (SOs/IPs)

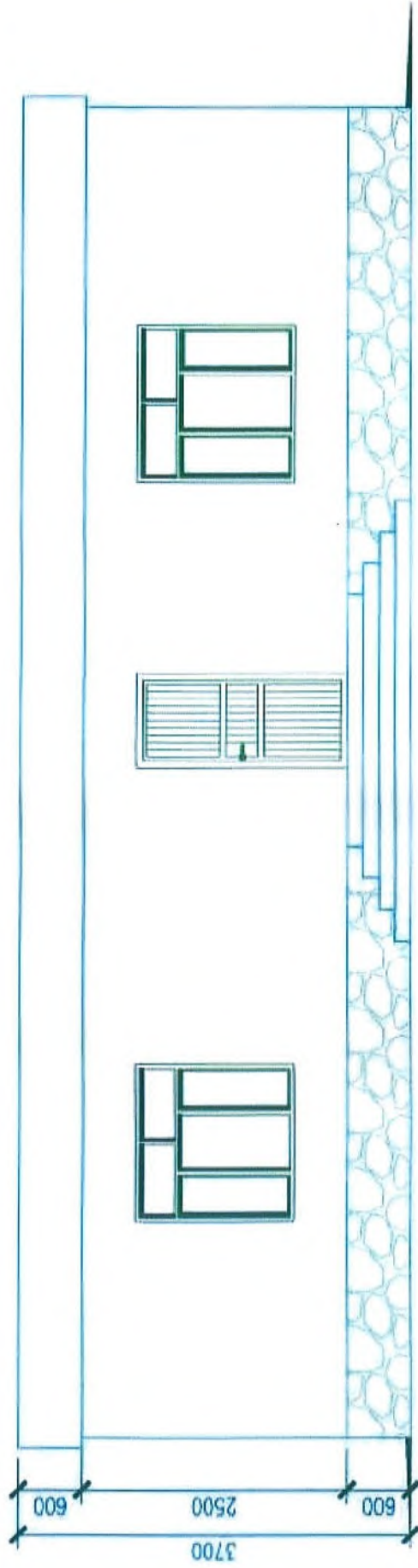
Item		UNITS	QTY	UnitCost	Amount
Roofing	1 Plastic sheeting (minimum 1.2 mm thick) placed as dump proof course over ceiling , T-beams and foundation walls	SQM	70.00		
	2 Khar Wood Planks (Size: 2000x 200 x 25)mm dried and finished size fro hall, (1,700x3,000) mm	Unit	16.00		
	3 Khar Wood Planks (Size: 4,500 x 200 x 25)mm dried and finished size (ceiling planks for Bed room 4,000 x 3,000mm)	Unit	16.00		
	4 Khar Wood Planks (Size: 6,000x 200 x 25)mm dried and finished size (ceiling planks for the living room5.000 x 3,000)mm	Unit	16.00		
	5 Wall plate timber (100 x 100)mm x 6,000mm long	Unit	4.00		
Openings	6 Wooden door (Size: 900 x 2,000)mm as per design	Unit	2.00		
	7 Door lintel Wooden poles l=150 cm & c= 30-35 cm	Unit	10.00		
	8 Window lintel Wooden poles l= 225 cm & c= 30-35 cm	Unit	8.00		
	9 Hollow brick with net (Size:300 x 300)mm	Unit	2.00		
	10 Plain window glass (3mm thick) cut as per window design/size	SQM	4.50		
	11 Silicon glue with related works	Unit	2.00		
Latrine	12 Wooden poles (120 - 140 mm diameter x 2,000mm length) for latrine roof	LM	8.00		
	13 Meshnet (double layer)	SQM	8.00		
	14 Metal Door, (Size: 800 x 1,800)mm	Unit	1.00		
	15 Door lintel l=1,400 & c=25 cm	Unit	2.00		
	16 RCC squatting slab (1,200 x 1,200 x 100 thick)mm	Unit	1.00		
	17 Trap door and frame / Prefab RCC, (frame size: 550 x 550 x 50 with door size: 400 x 400)mm	Unit	1.00		
	18 PVC vent pipe (Size: 4 "diameter)	LM	3.00		
	19 Wire guaze fly trap (for PVC pipe)	Unit	1.00		
	20 Cement for pit wall lining (M:400, 1:3)	BAG	3.00		
	21 Hammer 600 gr	Unit	1.00		
Tool kit	22 Shovel	Unit	1.00		
	23 Pickaxe	Unit	1.00		
	24 Hand saw 18"	Unit	1.00		
	25 Screwdriver (medium)	Unit	1.00		
	26 Iron Bucket	Unit	1.00		
	27 Nails 2"	KG	1.00		
	28 Wheelbarrow	Unit	1.00		
	29 Measuring tape (5,000mm)	Unit	1.00		
	Other	30 Signboard	Unit	1.00	
31 IP Costs (including remote monitoring, average country-wide)		ITEM	1.00		
32 Cash for Work (CFW)		ITEM	1.00		

Total regional/local procurement for 2-room shelter Type B:

GRAND TOTAL

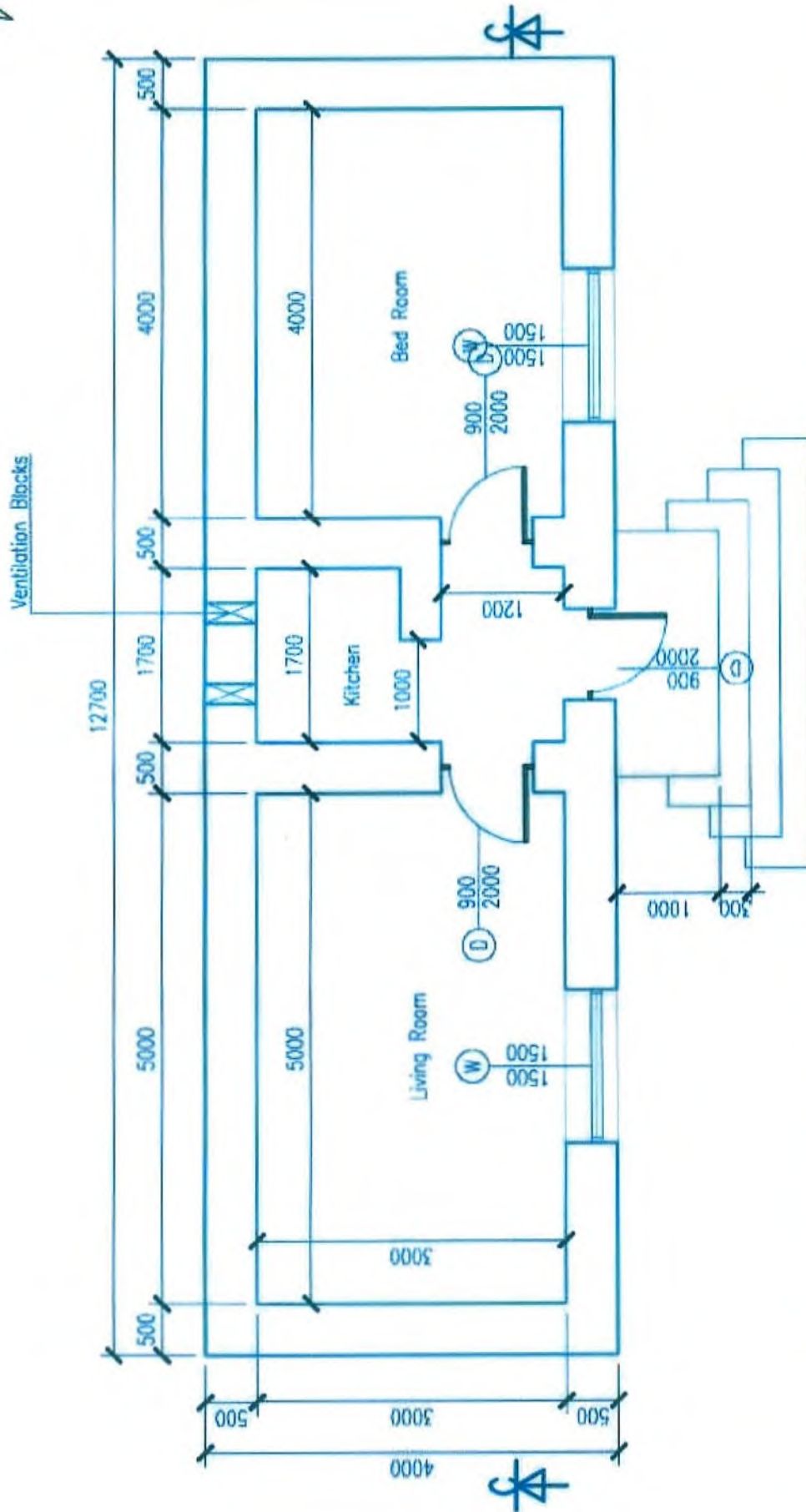
\$ -

UNHCR SHELTER PROGRAM 2013
TWO ROOM SHELTER, TYPE 2RS-C4/2013
FRONT VIEW / MUD CLAY



DRW / CA: UNHCR, TYPE 2RS-C4/2013
DRW BY: UNHCR
DATE: Apr 2013

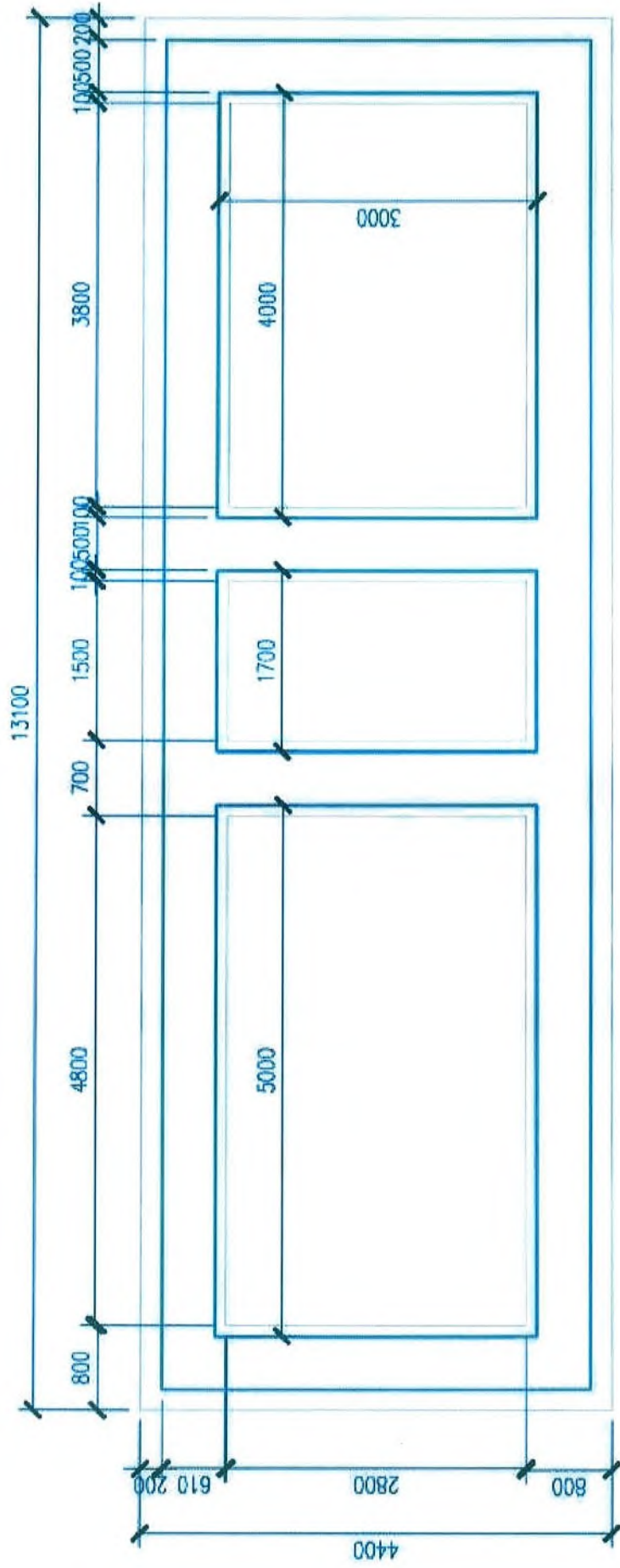
UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-C2/2013
 FLOOR PLAN / MUD CLAY



The wide of wall should not be less than 40cm in case from bricks

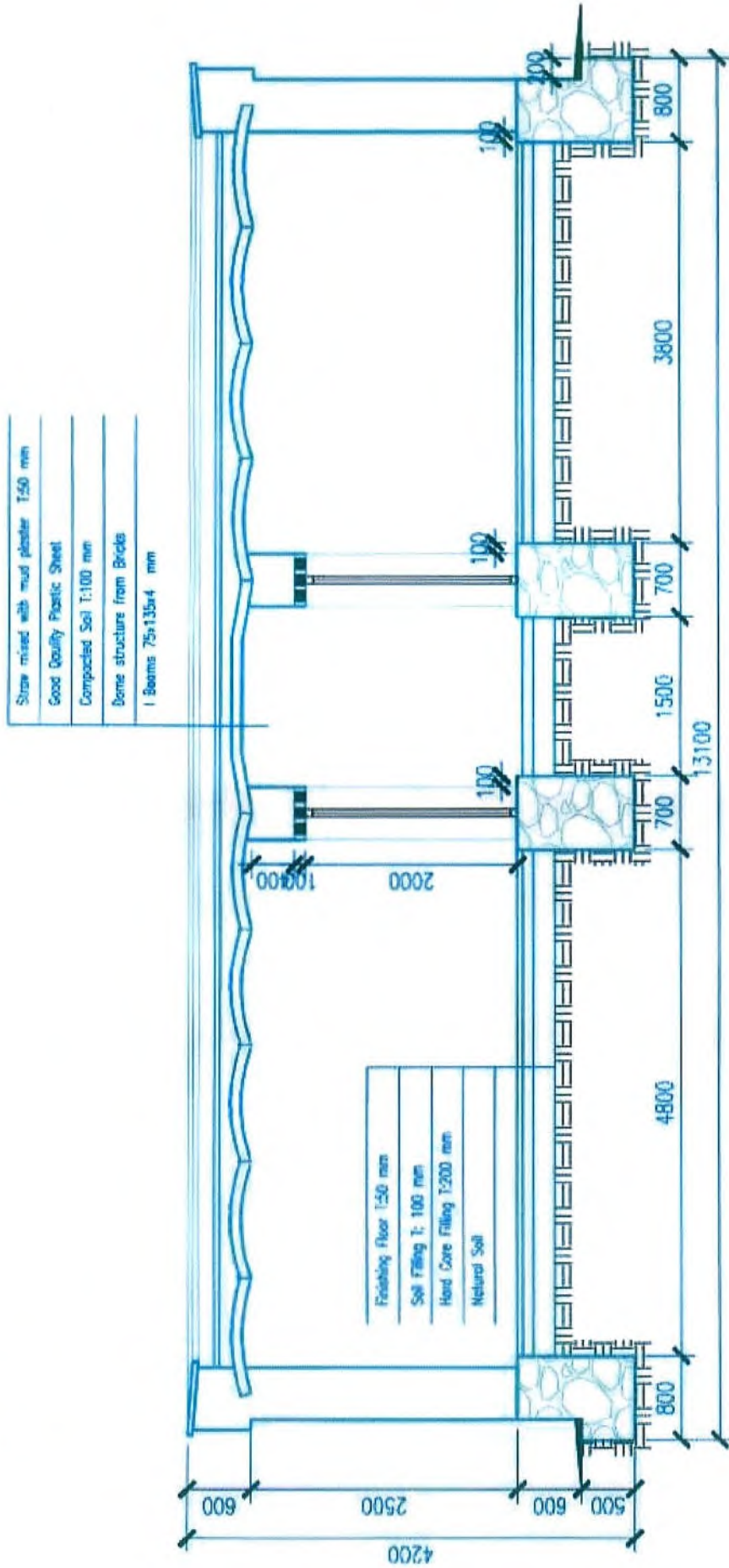
DRW / C2: UNHCR, TYPE 2RS-C2/2013
 DRW BY : UNHCR
 DATE : Apr 2013

UNHCR SHELTER PROGRAM 2013
TWO ROOM SHELTER, TYPE 2RS-C1/2013
FOUNDATION PLAN



DRW # C1: UNHCR TYPE 2RS-C1/2013
DRW By : UNHCR
Date: Apr 2013

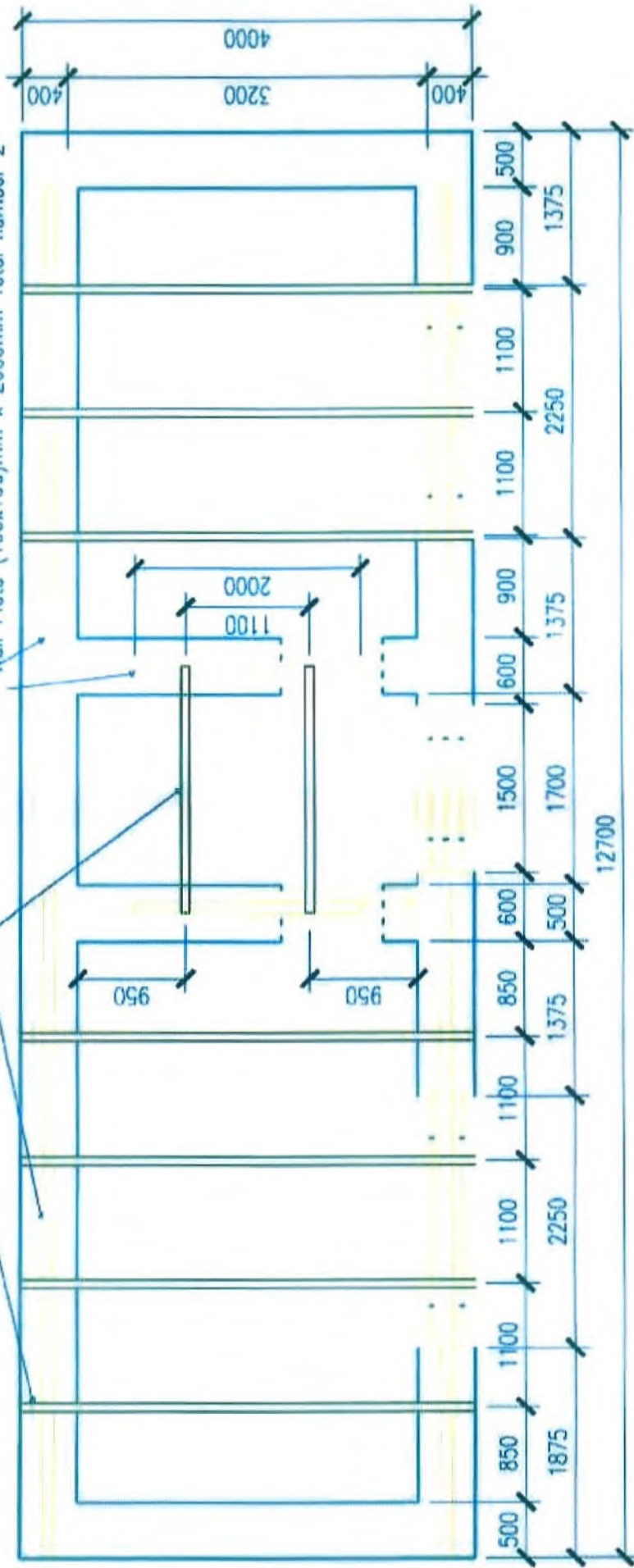
UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-C5/2013
 Section C-C/VAULT CEILING



DRW # CS: UNHCR, TYPE 2RS-C5/2013
 DRW BY : UNHCR
 DATE : Apr 2013

UNHCR SHELTER PROGRAM 2013
 TWO ROOM SHELTER, TYPE 2RS-C3/2013
 ROOF PLAN / VAULT CEILING

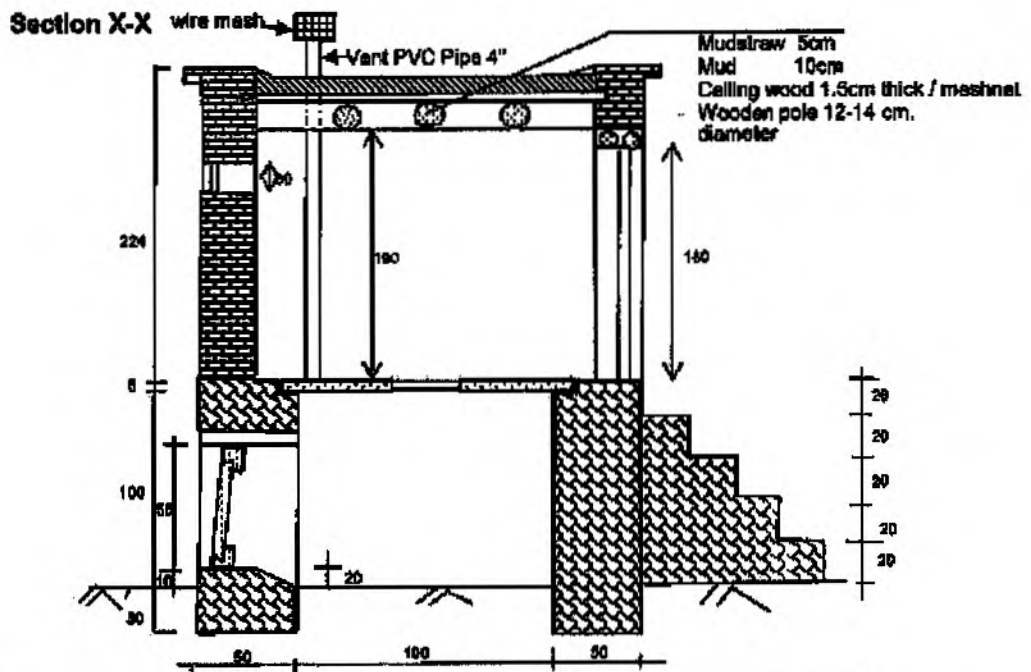
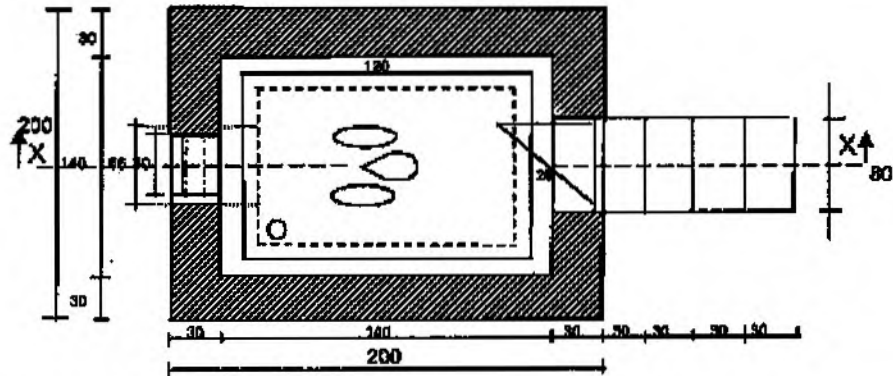
- | Steel Beams (135x75x4)mm x 4000mm Total number 7
- | Steel Beams (135x75x4)mm x 2200mm Total number 2
- Wall Plate (100x100)mm x 6000mm Total number 2
- Wall Plate (100x100)mm x 4000mm Total number 2
- Wall Plate (100x100)mm x 2000mm Total number 2



- Lintel (100x100)mm x 2250mm Total number 8
- Lintel (100x100)mm x 1500mm Total number 10

Latrine Drawings

Vault/VIP Latrine Plan



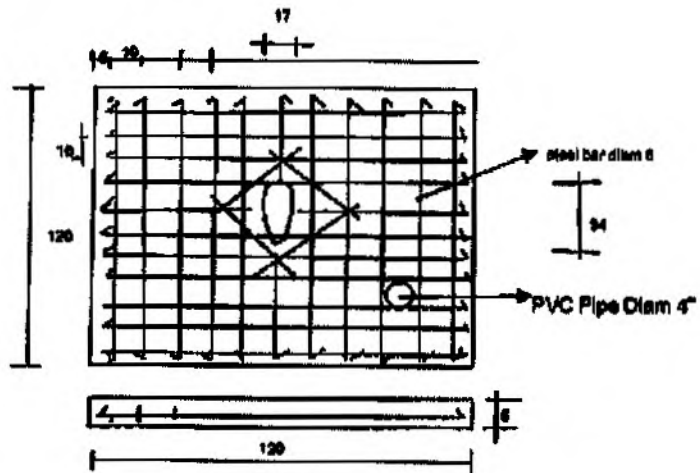
Community contribution:

-Stone, mud , manpower,dry mud bricks, mudstraw and door.

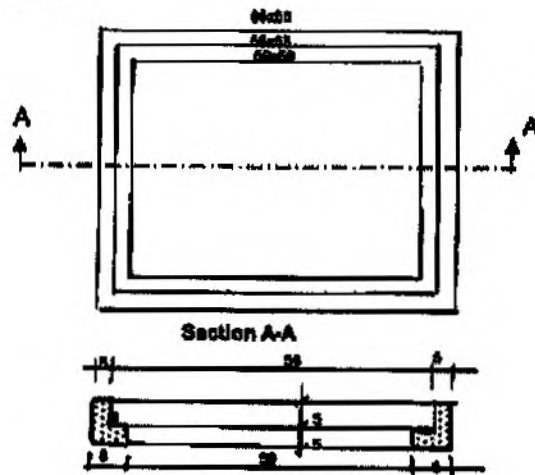
UNHCR/IFP contribution:

- 6 meters of Wooden poles (120 - 140 mm)
- o 8 sqm of Meshnet (double layer)
- o 1 Metal Door, (Size: 800 x 1,800)mm
- o 2 Door lintel (l=1,400 & o=150)mm
- o 1 RCC squatting slab (1,200 x 1,200 x 50 thick)mm
- o 1 Trap door and frame / Prefab RCC,
- o 1 PVC vent pipe (Size: 4 "diameter)
- o 1 Wire gauze fly trap (for PVC pipe)
- o 1 Hollow brick with net (Size:300 x 300)mm
- o 3 Cement for pit wall lining (M:400, 1:3)

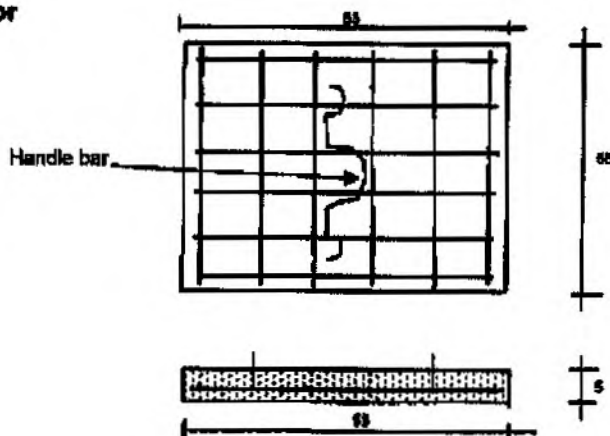
RCC Squatting Slab



Frame for RCC Vault Door



RCC Vault Door



Latrine Design

UNHCR Afghanistan Shelter Guidelines for 2014

BoQ for Shelter Type-C (Two-Room with C.Brick Vault Ceiling)

Recommended for areas with skills and tradition in Vault & Dome structure works (WR)

A) Central Procurement (BO Kabul)

Item		UNIT	QTY	Unit Cost	Amount in US\$
Roofing	1 I-shape steel beam , (135x75x5)mm x 4,000mm length weight 48.5KG (Iranian)	Unit	7.00		
	2 I-shape steel beam (135x75x5)mm x 2,200mm weight 26.64 KG (Iranian)	Unit	2.00		
Doors	3 Metal Door, (Size: 900 x 2,000)mm as per design	Unit	3.00		
	4 Metal window (Size: 1,500 x 1,500)mm.	Unit	2.00		

Total central procurement for 2-room shelter Type C:

0.00

B) Regional/Local Procurement (SOs/IPs)

Item		UNITS	QTY	Unit Cost	Amount in US\$
Roofing	1 Burned bricks for vault ceiling Size: (200x 100x 50)mm	Unit	3,500.00		
	2 Gypsum (Iranian high quality, 40 kg/bag)	BAG	26.00		
	3 Wall Plate/ On wall I-shape steel beam (135 x 70 x 4)mmx6.000mm weight 64 Kg (Iranian)	Unit	2.00		
	4 Wall Plate/ On wall I-shape steel beam (135x 70x 4)mm x 4,000mm (Iranian)	Unit	2.00		
	5 Wall Plate/ On wall I-shape steel beam (135x70x4)mm x 2.000mm (Iranian)	Unit	2.00		
Openings	6 Window lintel - I- shape Steel beam (135x70x4)mm x 2.25m (Iranian)	Unit	4.00		
	7 Door lintel - I - Shape steel beam (135x70x4)mm x 1.5 m (Iranian)	Unit	6.00		
	8 Plain window glass (3mm thick) cut as per window design/size	SQM	4.50		
	9 Silicon glue with related works	Unit	2.00		
	10 Hollow brick with net (Size:300 x 300)mm	Unit	2.00		
Latrine	11 Burned bricks for Toilet Vault Roof and Pit Cover Dome. Size of Brick (200x 100x 50)mm	Unit	400.00		
	12 Metal Door, (Size: 800 x 1,800)mm	Unit	1.00		
	13 Door lintel - I - shape steel beam (135x70x4)mmx1,400 (Iranian)	Unit	1.00		
	14 Ceramic squatting pan (Size: 600 x 500)mm plus one elbow and syphone and razi gum	Unit	1.00		
	15 Cement(high quality) for slab & pit lining (M:400, 1:3)	BAG	3.00		
	16 PVC vent pipe (Size: 3")	LM	3.00		
	17 PVC vent pipe (Size: 4 "diameter)	LM	3.00		
	18 Wire guaze fly trap (for PVC vent pipe)	Unit	1.00		
	19 Plastic sheet for roofing	SQM	54.00		
Other	20 Signboard	Unit	1.00		
	21 Artisan labour for ceiling vault construction on rooms and L - pit, (i.e. 7 skilled Man days plus labour)	ITEM	1.00		
	22 Partner Costs (including remote monitoring, average country-wide)	ITEM	1.00		
Tool kit	23 Cash for Work (CFW)	ITEM	1.00		
	24 Hammer 600 gr	Unit	1.00		
	25 Shovel	Unit	1.00		
	26 Pickaxe	Unit	1.00		
	27 Hand saw 18"	Unit	1.00		
	28 Screwdriver (medium)	Unit	1.00		
	29 Iron Bucket	Unit	1.00		
	30 Nails 2"	KG	1.00		
	31 Wheelbarrow	Unit	1.00		
	32 Measuring tape (5,000mm)	Unit	1.00		

Total regional/local procurement for 2-room shelter Type C

0.00

GRAND TOTAL

\$

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