



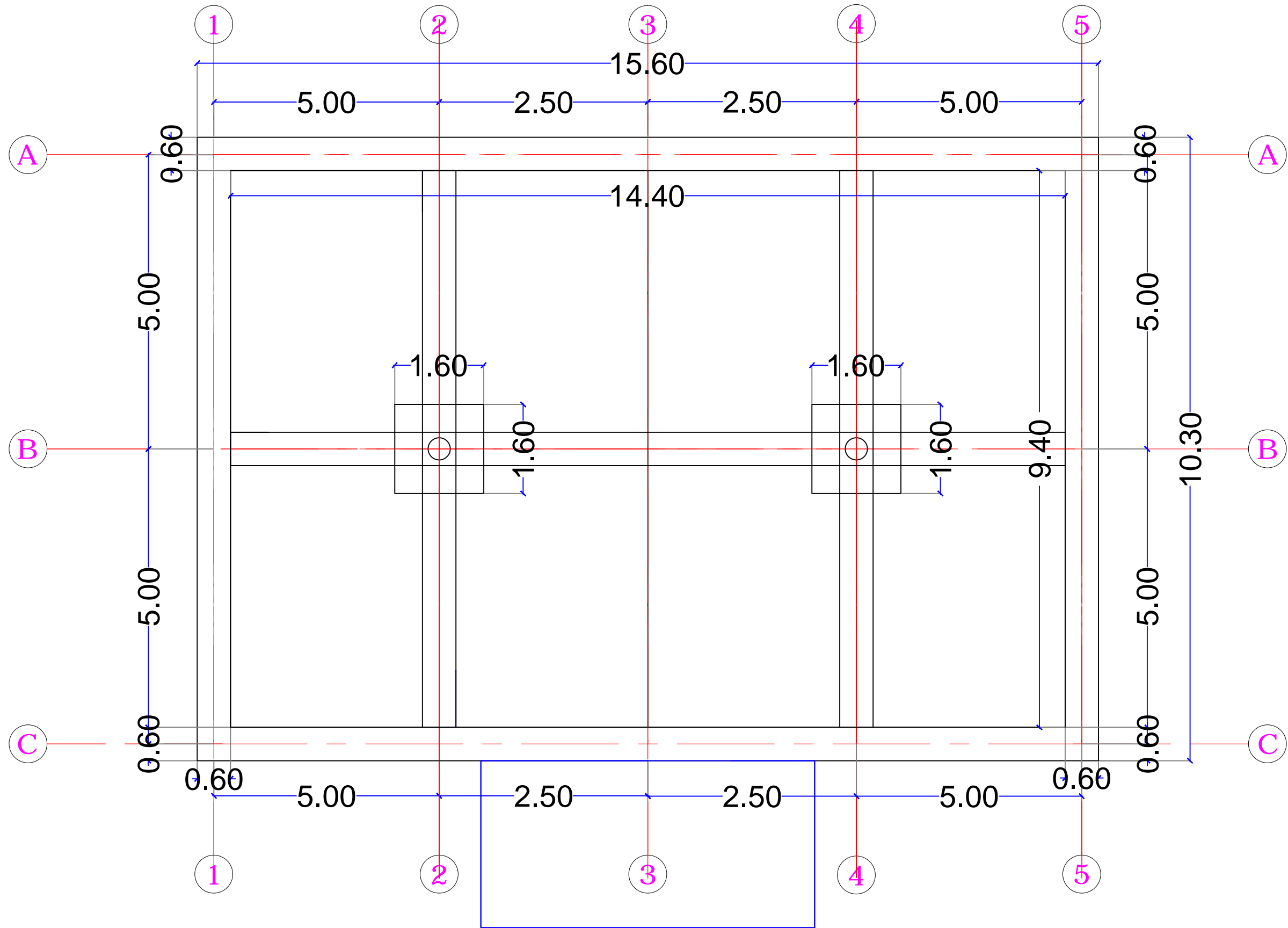
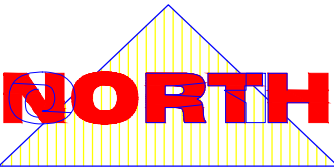
Abusakeen Onion Store
Abusakeen Area-Korma

Content:

Master Plan

Mar
2020

A1

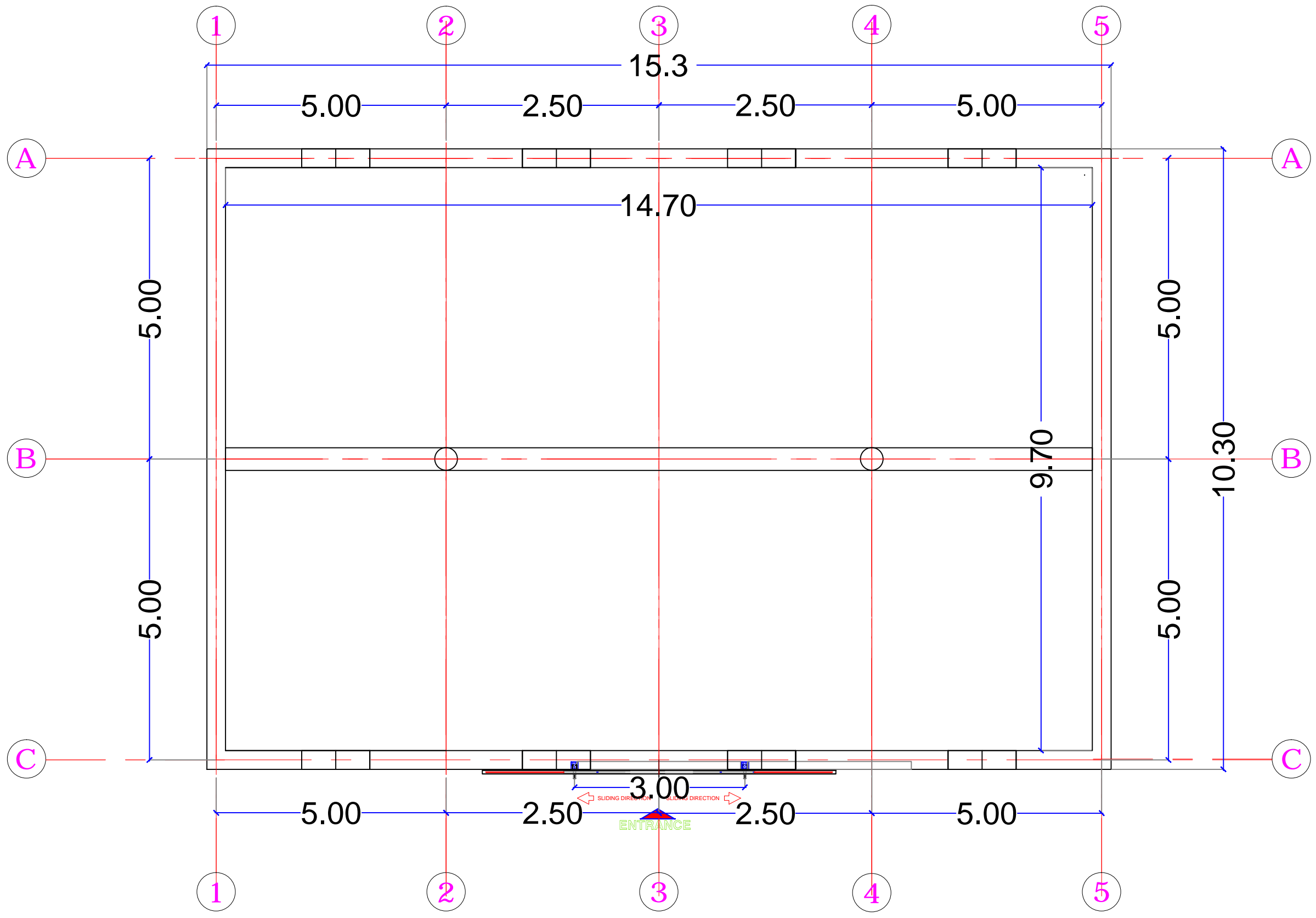
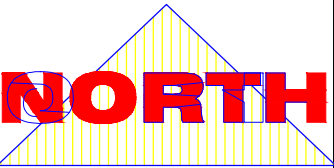


Project:
Abusakeen Onion Store
North Darfur State

Contains:
Foundation Plan

Mar
2020

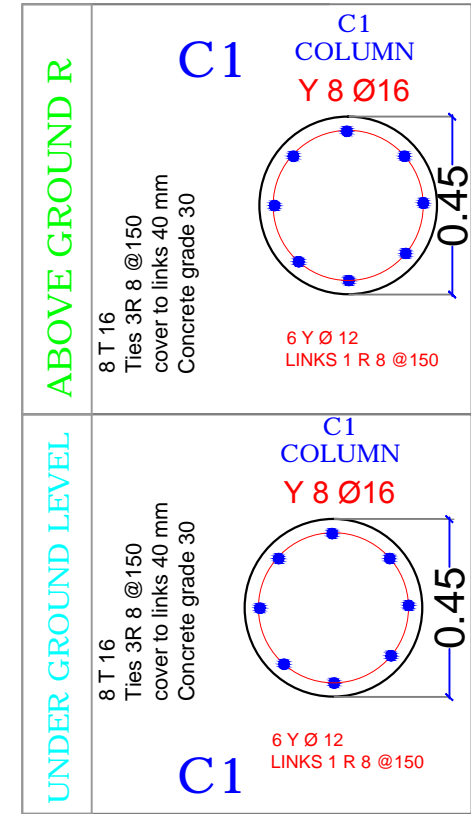
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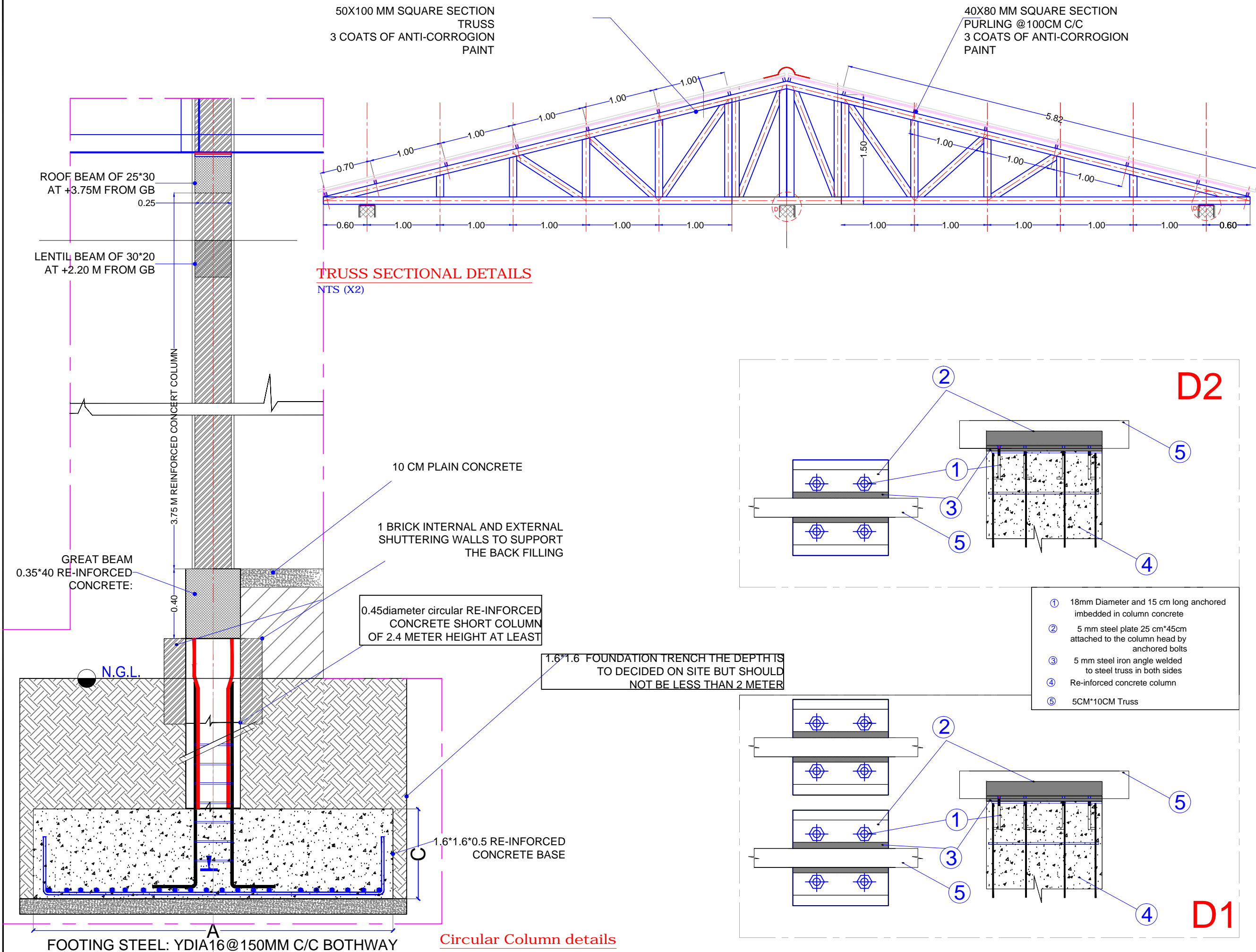


Project:
Abusakeen Onion Store
North Darfur State

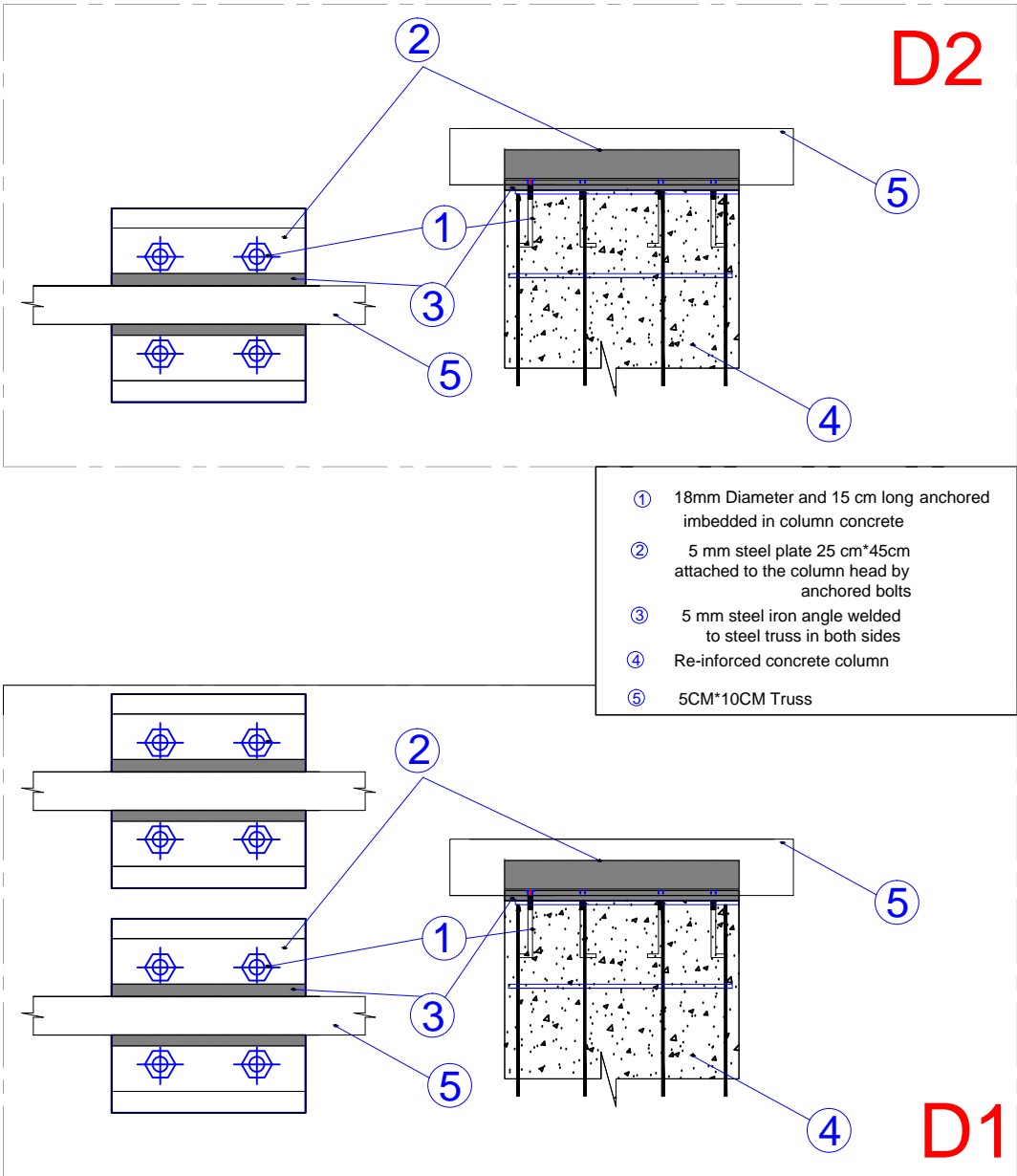
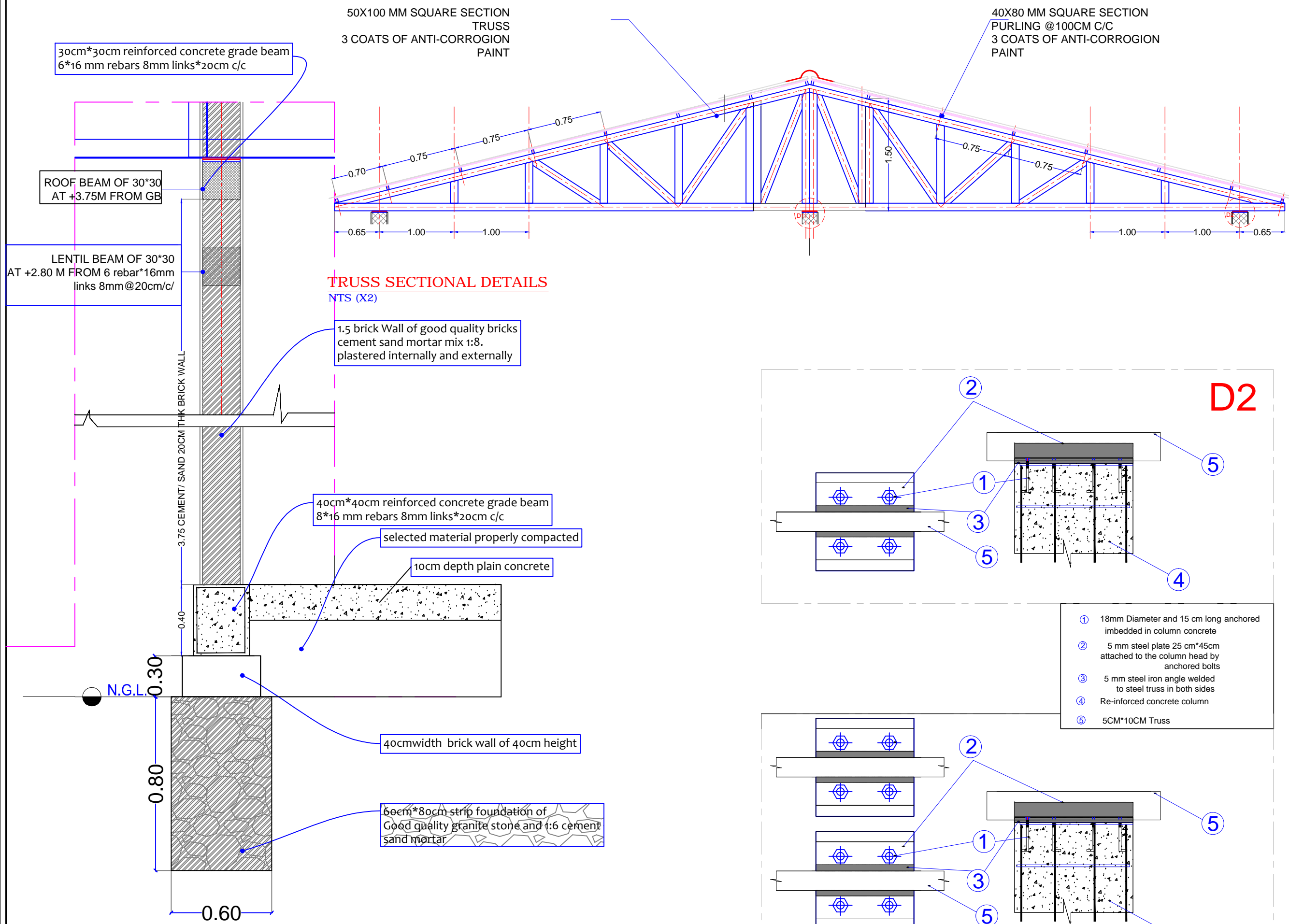
Contains:
Brick Work Plan

Mar
2020
A3





Project:	
Abusakeen Onion Store	
North Darfur State	
Contains:	
Brick Work Plan	
	Mar 2020
	A5

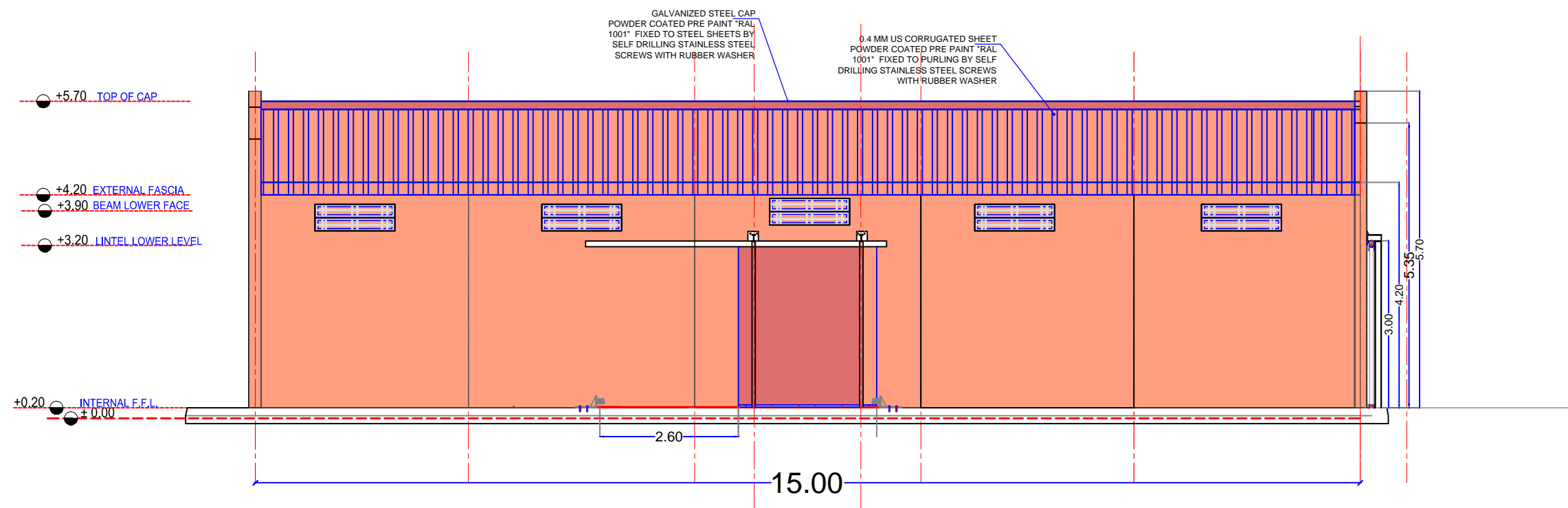
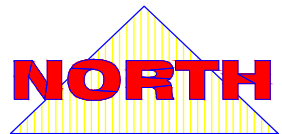


Project:
Abusakeen Onion Store
North Darfur State

Contains:
Brick Work Plan

Mar
2020

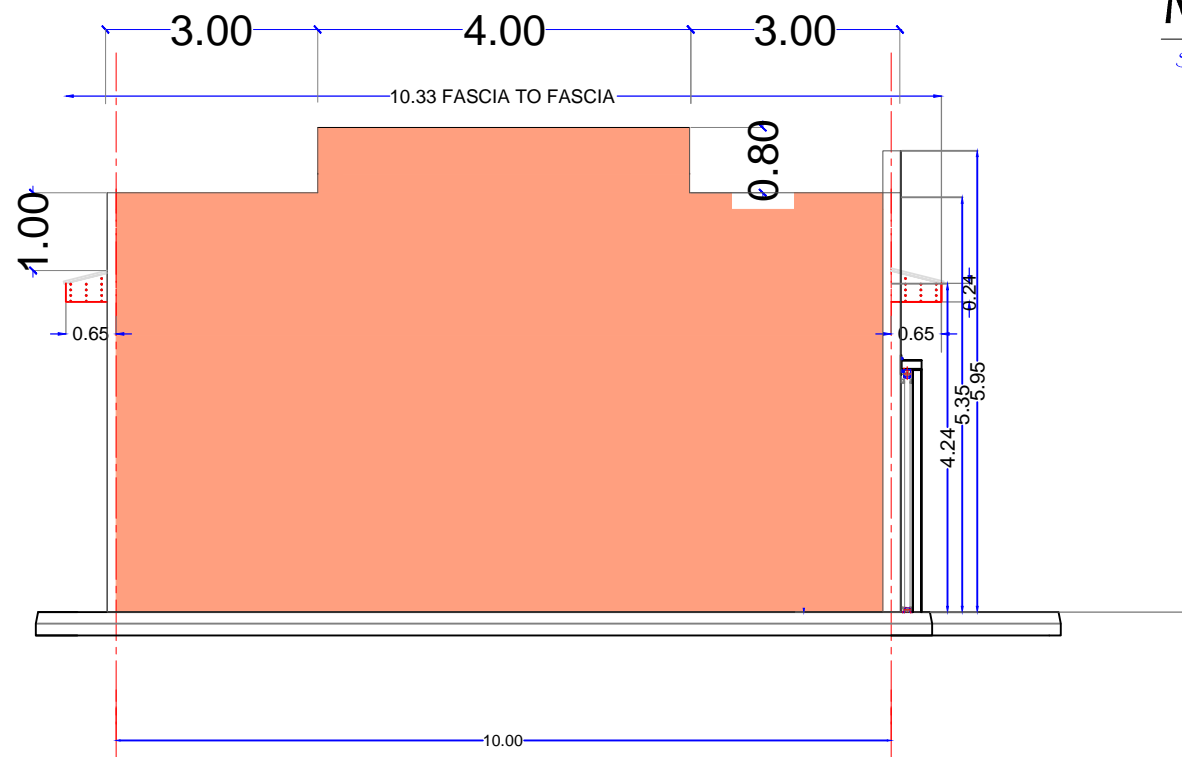
A6



Southern Elevation

Main Elevation

Scale 1:100 A3



Eastern & Western Elevations

Side Elevations

Scale 1:100 A3

FINISHING SCHEDULE

CEILING FINISHES

- 1 US ZINC SHEET (0.5MM)
- 2 OIL PAINT
- 3 FABRIC TEXTILE SHEETS

WALL FINISHES

- 1 3 COATS OF POMASTIC ON C/S PLASTER
- 2 PLASTER

SKIRTING

- 1 EPOXY FINISH H. 25CM
- 2 CERAMIC TILES

ELECTRICAL KEY

S	Description
	Ceiling FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

Project:

Abusakeen Onion Store
North Darfur State

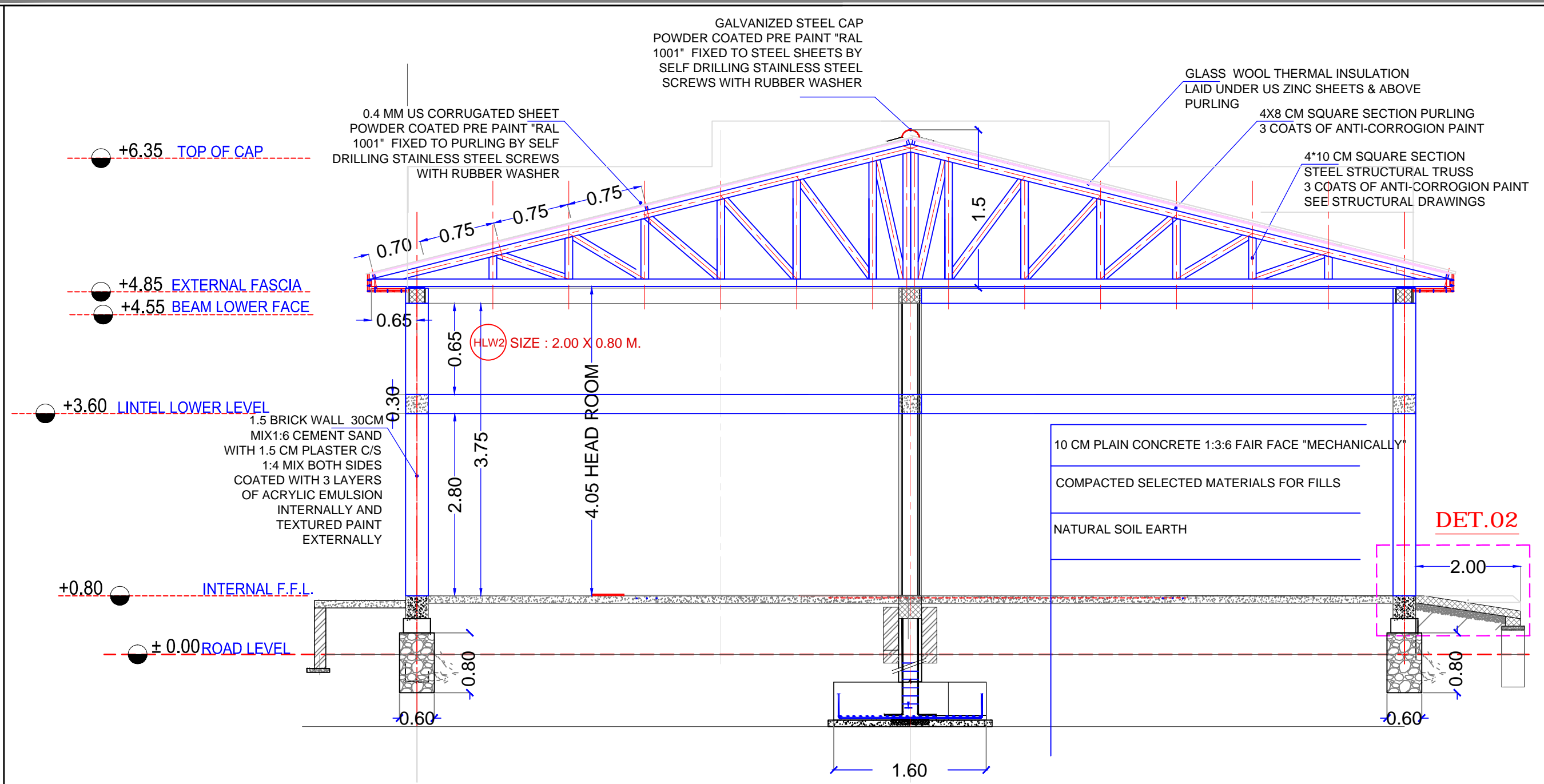
Contains:

Brick Work Plan

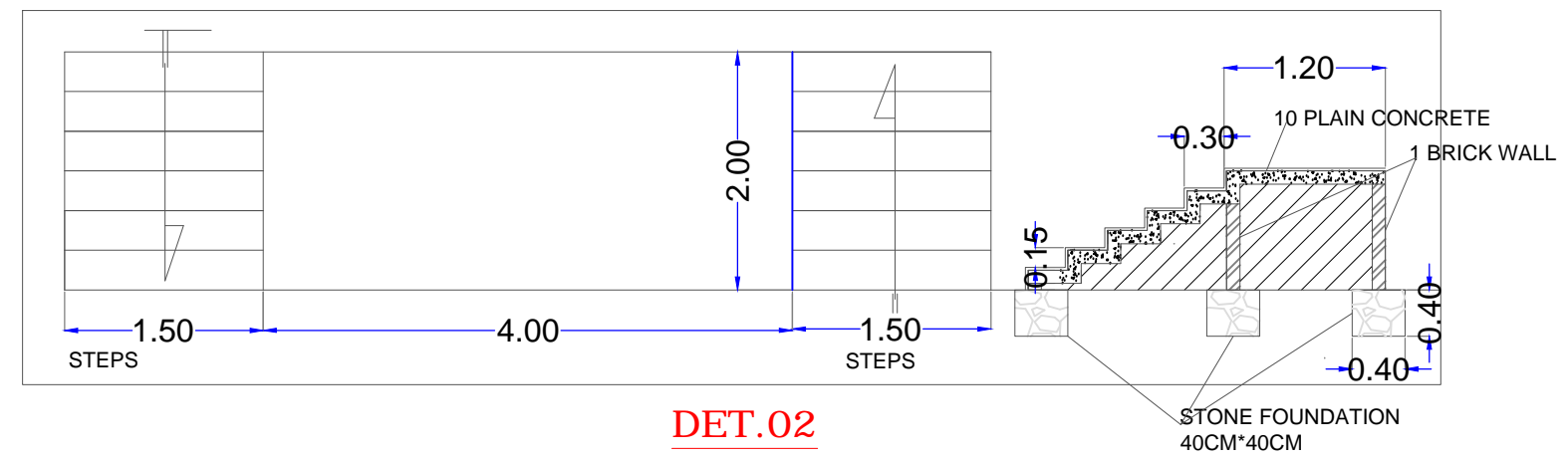
Scale 1:100 A3

Mar
2020

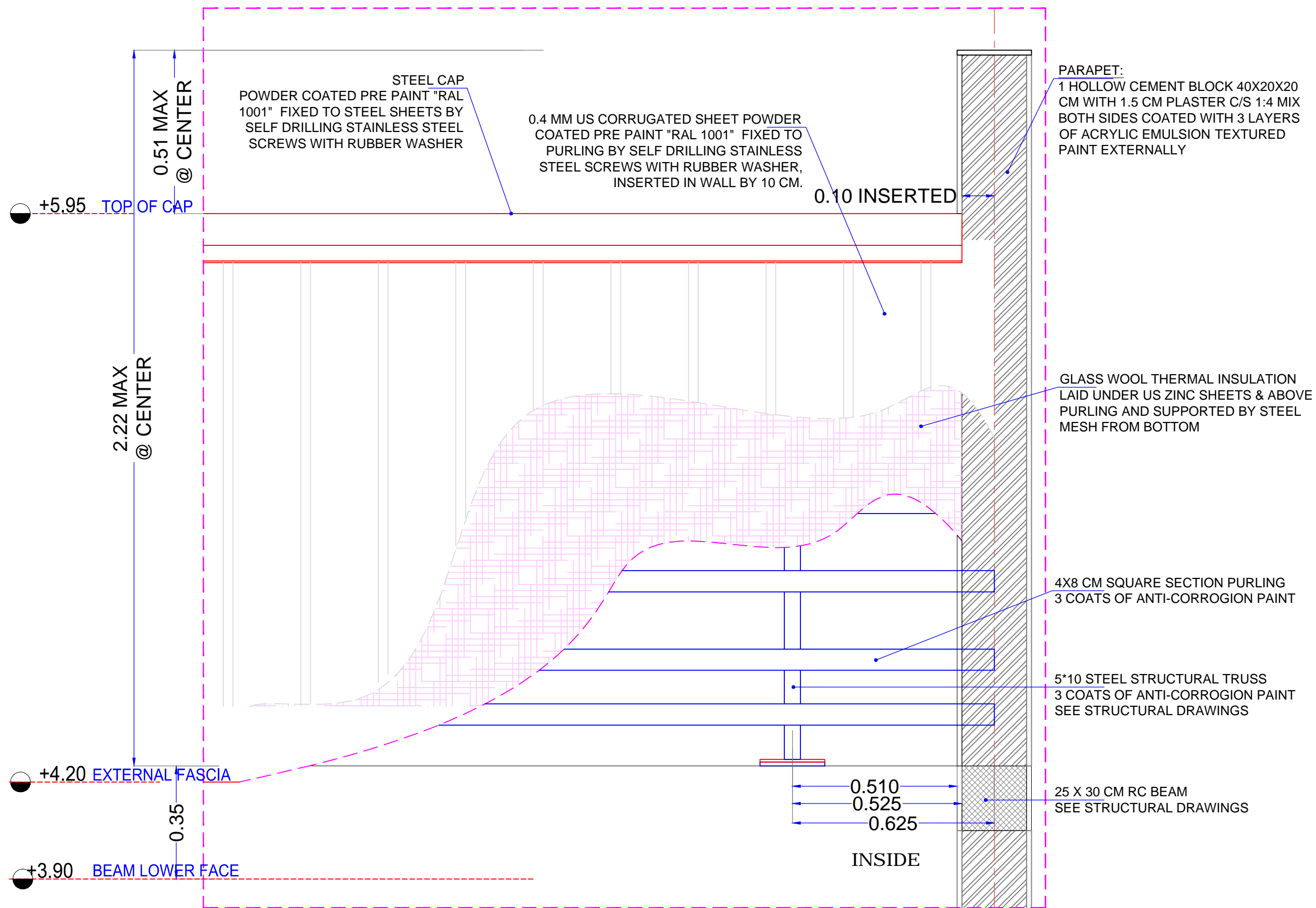
A7



Section YY
Detailed Section



Project:	
Abusakeen Onion Store	
North Darfur State	
Content:	Mar 2020
Sectional View	
Design By:	UNDP
	A8



DET.01 PARTIAL LONGITUDE STEEL ROOF SECTION
NTS (X4)

Project:
Abusakeen Onion Store

North Darfur State

Content :
Roof Details

Mar
2020

DESIGNED BY:
UNDP

A9

DETAIL 01

0.4 MM US CORRUGATED SHEET POWDER COATED PRE PAINT "RAL 1001" FIXED TO PURLING BY SELF DRILLING STAINLESS STEEL SCREWS WITH RUBBER WASHER, INSERTED IN WALL BY 10 CM.

20 CM WIDE 1CM THICK SOFT WOODEN FASCIA, 3 COATS OF WEATHER PROOF OIL PAINT

25X25CM SQUARE SECTION, SCREWED ON 5X10 CM VERTICAL ANGLE WELDED TO TRUSS

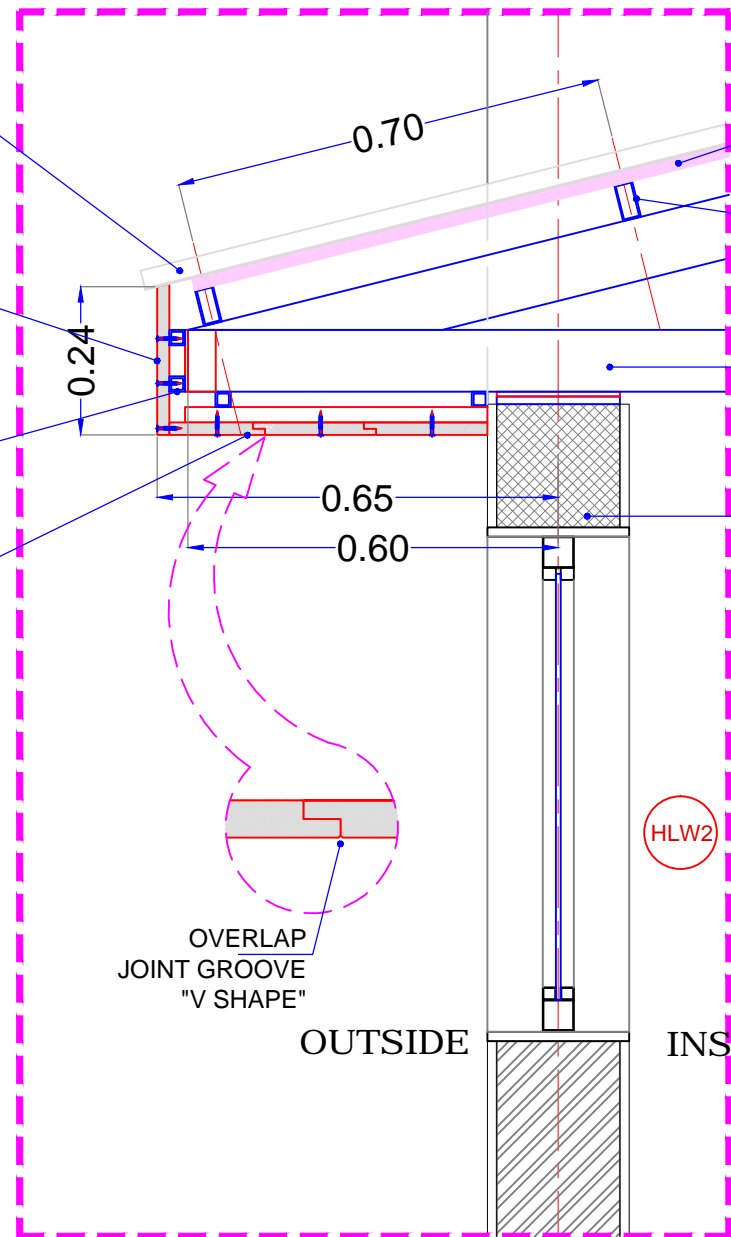
20 CM WIDE 1CM THICK SOFT WOODEN CLADDING, 3 COATS OF WEATHER PROOF OIL PAINT

ROCK WOOL THERMAL INSULATION LAID UNDER US ZINC SHEETS & ABOVE PURLING

3X6 CM SQUARE SECTION PURLING 3 COATS OF ANTI-CORROSION PAINT

STEEL STRUCTURAL TRUSS 3 COATS OF ANTI-CORROSION PAINT SEE STRUCTURAL DRAWINGS

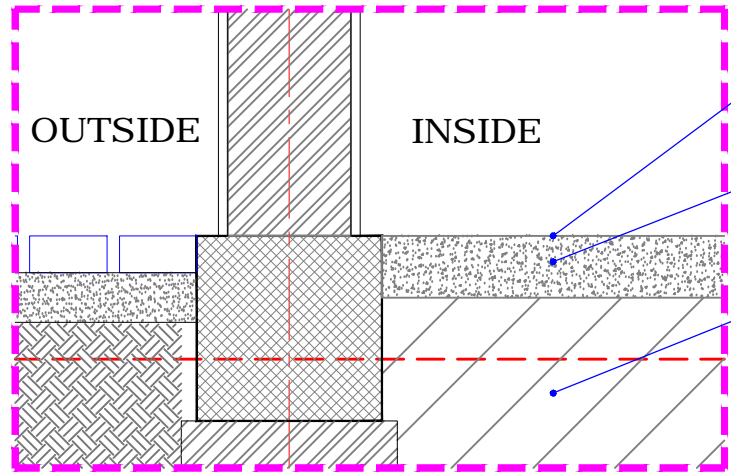
25 X 30 CM RC BEAM SEE STRUCTURAL DRAWINGS



WOODEN FASCIA & CLADDING
NTS (X4)

FIXED & GLAZED
SIZE : 2.00 X 0.80 M.

DETAIL 02



2 COATS OF POLYAMINE EPOXY PAINT 3MM THICK GRAY RED COLOR

10 CM PLAIN CONCRETE 1:3:6 FAIR FACE "MECHANICALLY"

COMPACTED SELECTED MATERIALS FOR FILLS

EPOXY PAINT ON PC FLOOR
NTS (X4)

FINISHING SCHEDULE

CEILING FINISHES	
1	US ZINC SHEET (0.5MM)
2	OIL PAINT
3	FABRIC TEXTILE SHEETS
WALL FINISHES	
1	CERAMIC TILES
2	MARBLE TILES
3	3 COATS OF POMASTIC ON C/S PLASTER
4	ROUPH PLASTER
SKIRTING	
1	EPOXY FINISH H. 25CM
2	CERAMIC TILES
3	MARBLE TILES
4	GRANITE TILES
FLOOR FINISHES	
1	EPOXY FINISH
2	CERAMIC TILES
3	FAIR FACE CEMENT/ SAND FINISH ON PC

CEILING FINISHES	C	W	WALL FINISHES
FLOOR FINISHES	F	S	SKIRTING



ELECTRICAL KEY

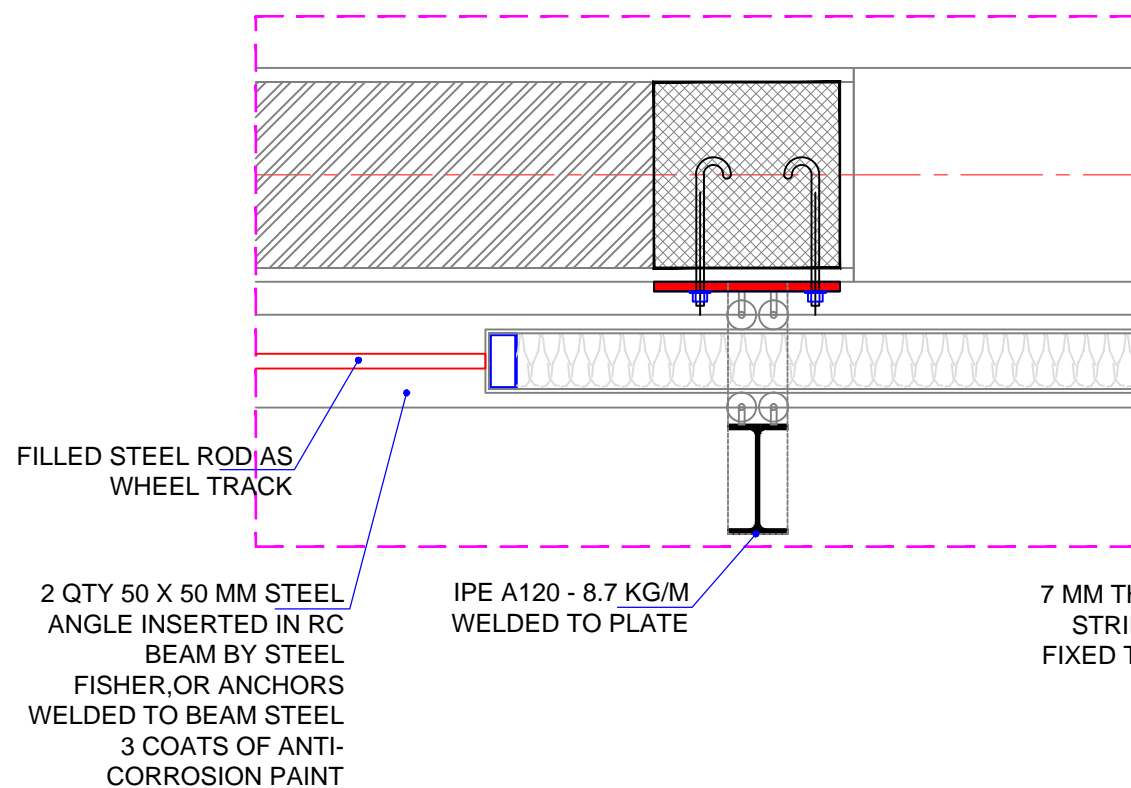
S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

Project:
Abusakeen Onion Store

North Darfur State

Content :
La DEWails
Jan 2020

Design By:
UNDP
A10

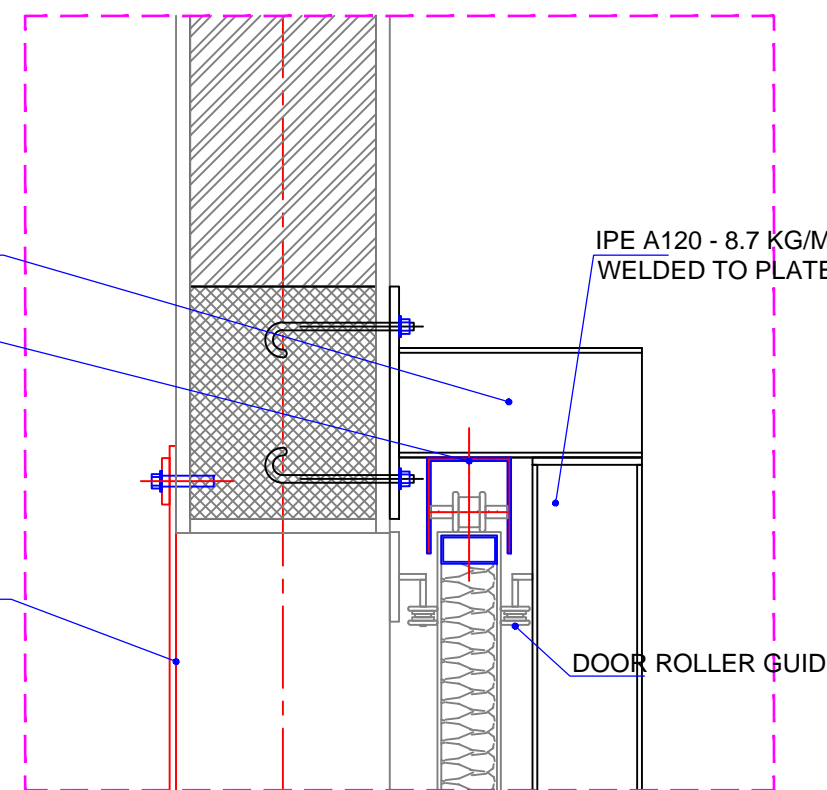


DET. 02: SECTIONAL PART PLAN
NTS (X6)

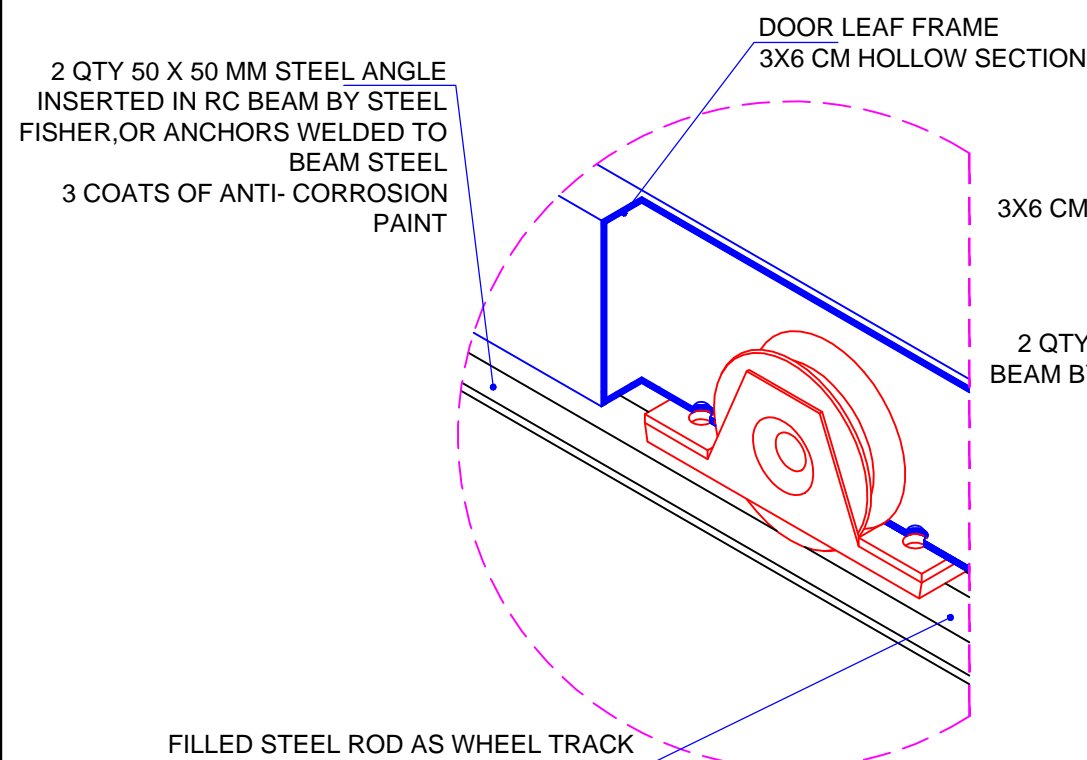
IPE A120 - 8.7 KG/M WELDED TO PLATE

10X10 CM C-SECTION CHANNEL TRACK WELDED TO IPE A120

7 MM THICK PLASTIC SHEET CURTAIN STRIPS AS WEATHER PROTECTION FIXED TO RC BEAM BY STEEL FISHER @ 50CM C/C



DET. 01: VERTICAL UPPER SECTION
NTS (X6)



ROLLER WHEEL DETAIL
NTS

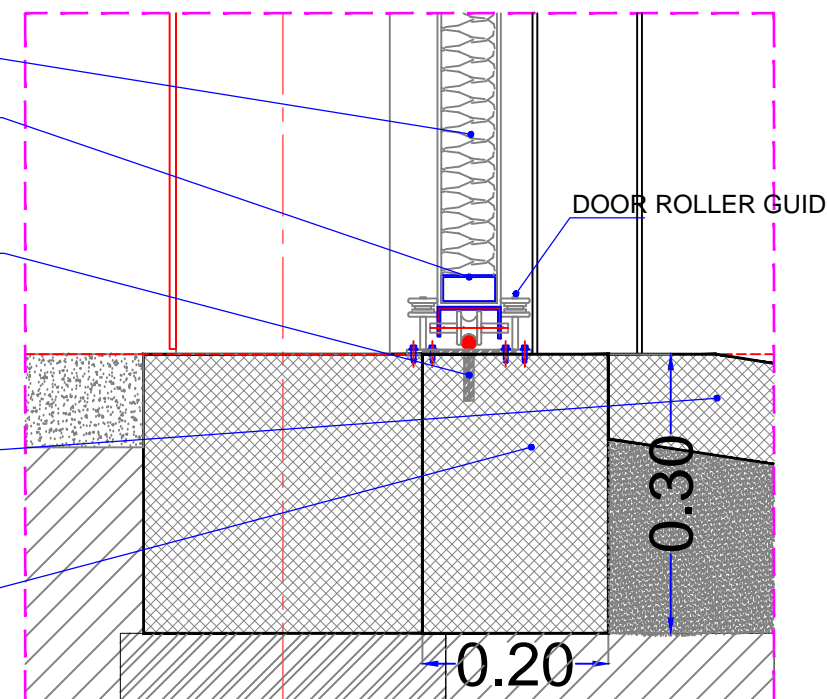
STYROFOAM INSULATION

3X6 CM SQUARE SECTION @ 50 CM C/C BOTHWAY COATED BY ANTI-CORROSION PAINT

2 QTY 50 X 50 MM STEEL ANGLE INSERTED IN RC BEAM BY STEEL FISHER, OR ANCHORS WELDED TO BEAM STEEL 3 COATS OF ANTI-CORROSION PAINT

10 CM THICK REINFORCED CONCRETE RAMP 1:2:4 MIX, 10 MM @ 150 MM BOTHWAY

20 X 30 CM 10.45 M LENGTH REINFORCED CONCRETE BEAM AS DOOR BED 1:2:4 MIX, 4Ø16MM LINKS 8MM @ 150 MM C/C



DET. 02: VERTICAL LOWER SECTION
NTS (X6)

FINISHING SCHEDULE

CEILING FINISHES	
1	US ZINC SHEET (0.5MM)
2	OIL PAINT
3	FABRIC TEXTILE SHEETS
WALL FINISHES	
1	CERAMIC TILES
2	MARBLE TILES
3	3 COATS OF POMASTIC ON C/S PLASTER
4	ROUGH PLASTER
SKIRTING	
1	EPOXY FINISH H. 25CM
2	CERAMIC TILES
3	MARBLE TILES
4	GRANITE TILES
FLOOR FINISHES	
1	EPOXY FINISH
2	CERAMIC TILES
3	FAIR FACE CEMENT/ SAND FINISH ON PC

CEILING FINISHES	C	W	WALL FINISHES
FLOOR FINISHES	F	S	SKIRTING



ELECTRICAL KEY

S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

Project:
Abusakeen Onion Store

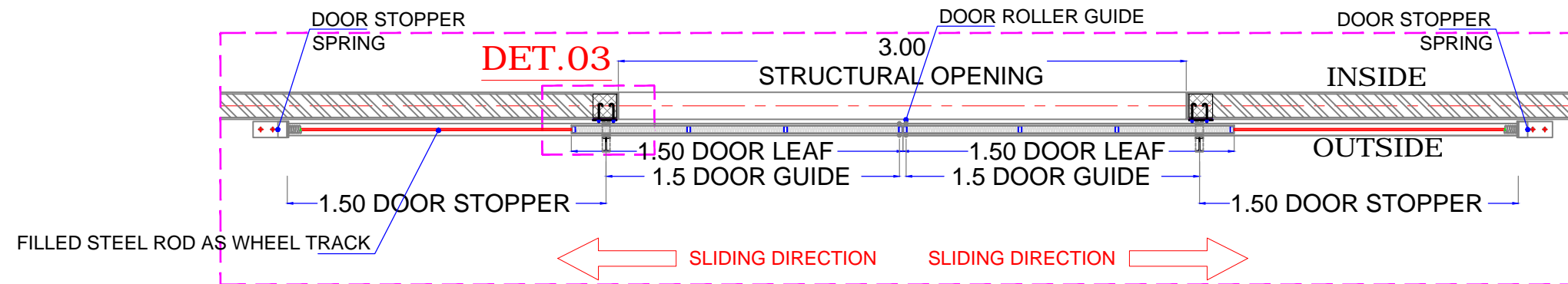
North Darfur State

Content :
Latrine Details

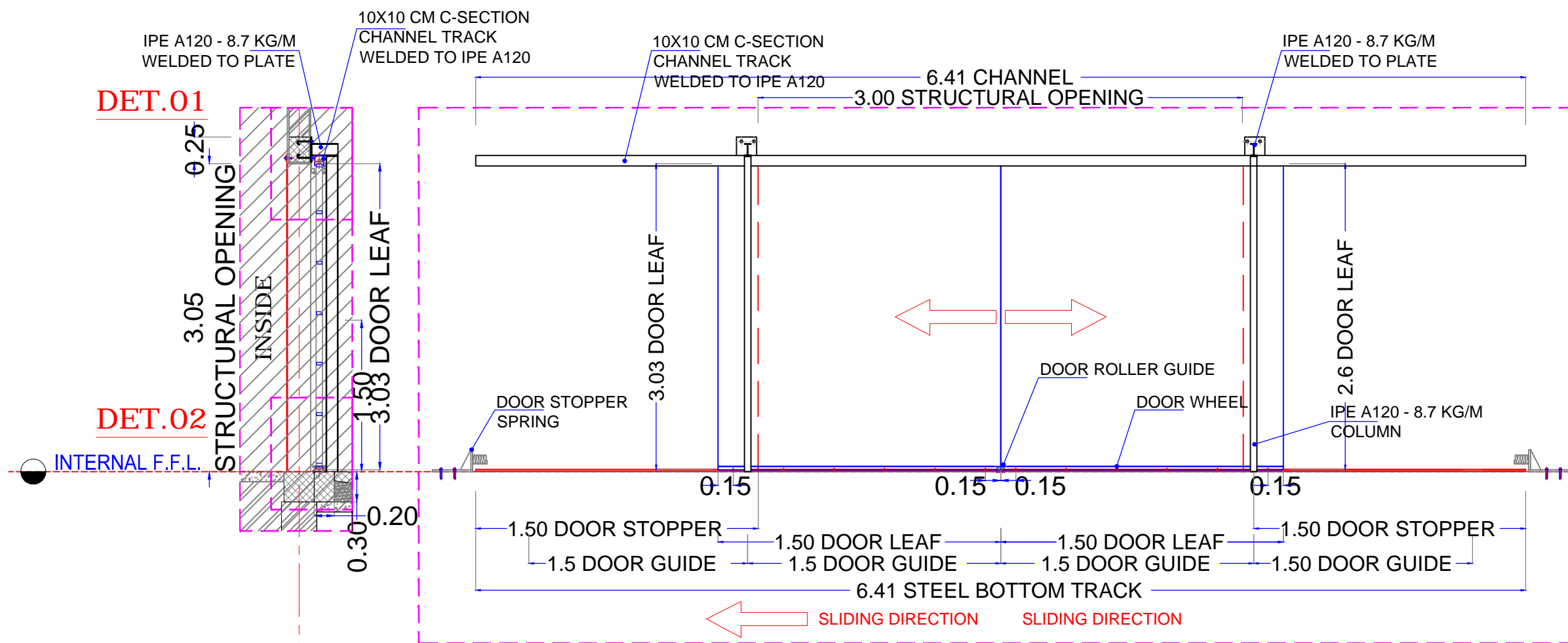
Design By:
UNDP

Jan 2020

A11



SLIDING STEEL DOOR : PLAN
1:50



SECTION
1:50

SLIDING STEEL DOOR : ELEVATION
1:50

FINISHING SCHEDULE

CEILING FINISHES	
1	US ZINC SHEET (0.5MM)
2	OIL PAINT
3	FABRIC TEXTILE SHEETS
WALL FINISHES	
1	CERAMIC TILES
2	MARBLE TILES
3	3 COATS OF POMASTIC ON C/S PLASTER
4	ROUPH PLASTER
SKIRTING	
1	EPOXY FINISH H. 25CM
2	CERAMIC TILES
3	MARBLE TILES
4	GRANITE TILES
FLOOR FINISHES	
1	EPOXY FINISH
2	CERAMIC TILES
3	FAIR FACE CEMENT/ SAND FINISH ON PC

CEILING FINISHES	C	W	WALL FINISHES
FLOOR FINISHES	F	S	SKIRTING



ELECTRICAL KEY

S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

Project:
Abusakeen Onion Store

Project Title:
North Darfur State

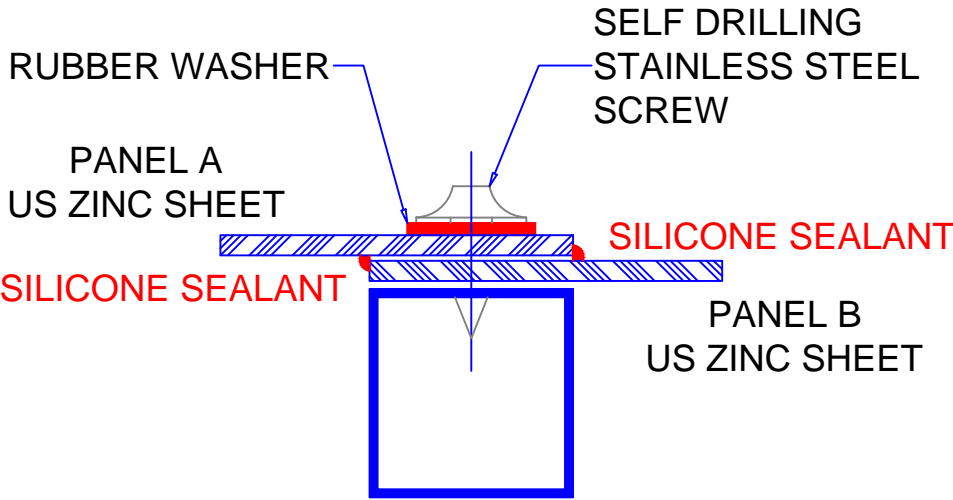
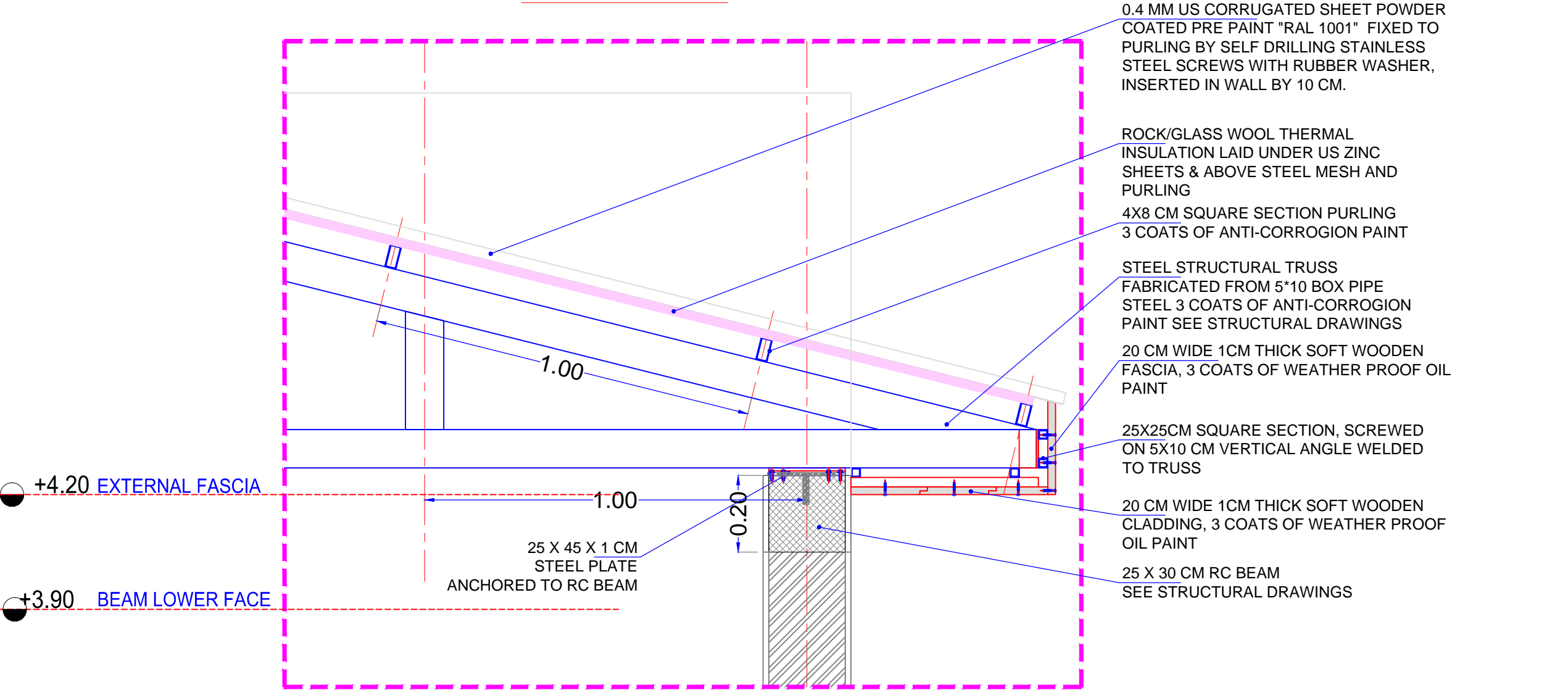
Content :
DETAILS
Latrine Details

Design By:
UNDP

Mar
2017

A12

DETAIL 03



ELECTRICAL KEY	
S	Description
	Ceiling FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

EAVE DETAILS AT STEEL ROOF
NTS (X4)

ENLARGED DETAIL

GENERAL:
1- THIS DRAWINGS MUST NOT BE SCALED.
2- THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERS, ARCHITECT AND SUB-CONTRACTOR DRAWINGS, DETAILS AND SPECIFICATION.
3- THE CONTRACTOR IS TO CHECK AND CONFIRM ALL THE DIMENSIONS AND DETAILS SHOWN ON THIS DRAWING.
4- ALL DIMENSIONS IN Meter. UNLESS NOTED OTHERWISE.

Fcu. = NOT LESS THAN 25 N/mm2 FOR 28 DAYS STRENGTH
STEEL Fy = 410 N/mm2
- Overlaps of steel should not be less than 45 times larger than bar size.
- No Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Slab&Col.=25mm, @ Footings=50mm.
- Max Aggregate Size = 20mm.

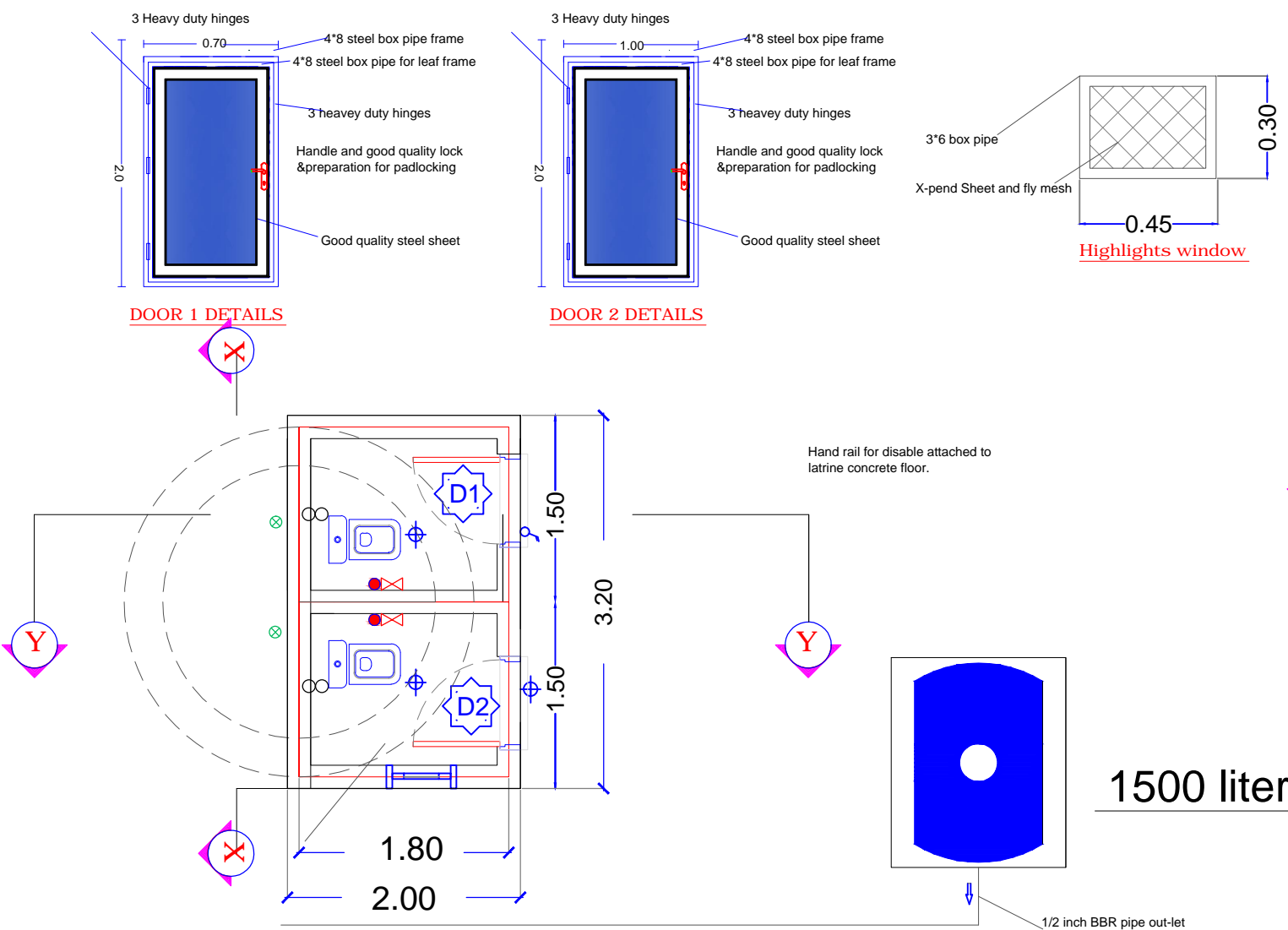
ELECTRICAL KEY	
S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

UNDP SUDAN
latrines
2 Rooms latrine

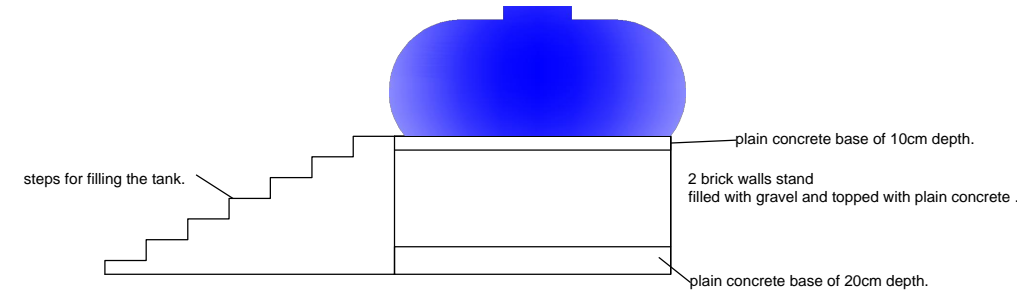
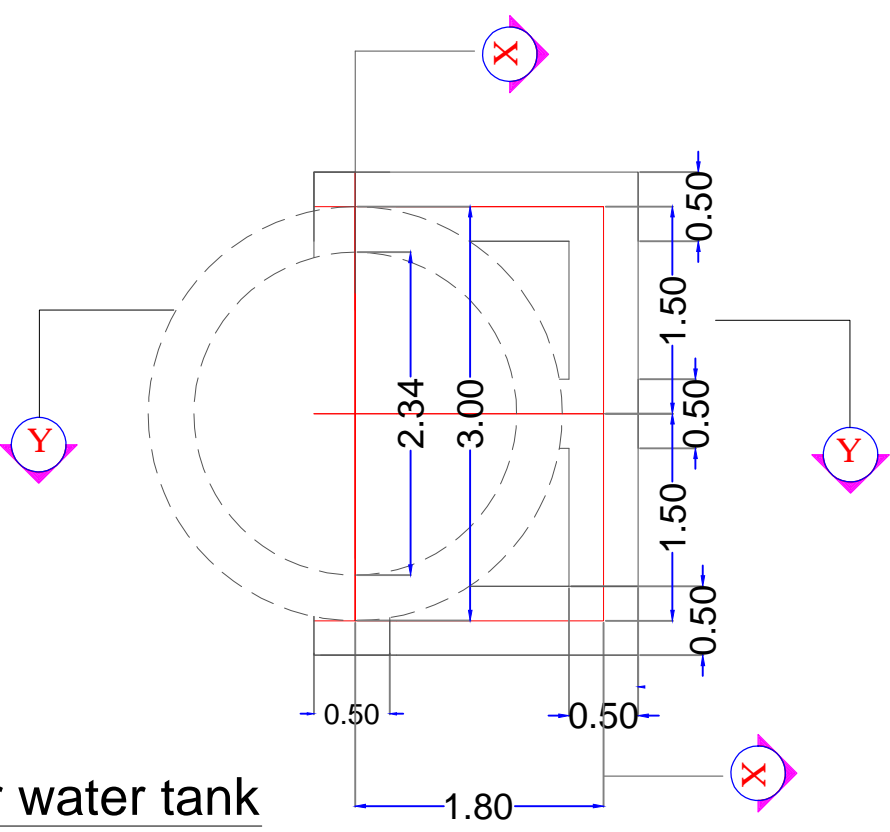
Agency:

Content :
DETAILS

Designed By:
Mar 2020
L1



Latrine Plan View







1500 liter water tank
connected with latrines with water pipe

SYMBOL	DESCRIPTION
	Ø 1/2" BBR PIPE FOR FRESH WATER
	Ø 4" UPVC VENTILATION PIPE
	Ø 2" UPVC WASTE WATER PIPE
	COLD WATER 1/2" TAP
	PIPA
	Ø 4" UPVC SOIL WATER PIPE
	Ø 3/4" G.S PIPE FOR FRESH WATER
	Ø 2" UPVC WASTE WATER PIPE

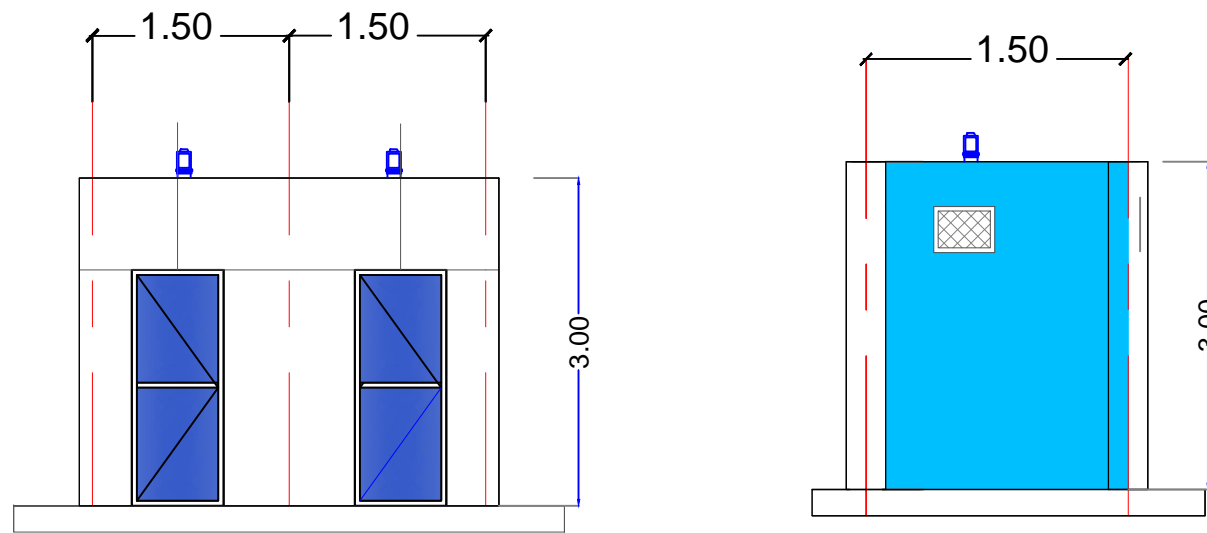
ELECTRICAL SYMBOL KEY:	
S	Description
	EXHAUST FAN
	2 ft SINGLE FLOURECENT LAMP
	4 ft SINGLE FLOURECENT LAMP

GENERAL:
1- THIS DRAWINGS MUST NOT BE SCALED.
2- THIS DRAWINGS IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERS, ARCHITECT AND SUB-CONTRACTOR DRAWINGS, DETAILS AND SPECIFICATION.
3-THE CONTRACTOR IS TO CHECK AND CONFIRM ALL THE DIMENSIONS AND DETAILS SHOWN ON THIS DRAWING.
4-ALL DIMENSIONS IN Meter, UNLESS NOTED OTHERWISE.

Fcu = NOT LESS THAN 25 N/mm² FOR 28 DAYS STRENGTH
STEEL Fy = 460 N/mm²
- Overlaps of steel should not be less than 45 times larger than bar size.
- No Overlaps of steel @ cantilevers areas.
- Concrete Cover : @ Slab&Col.=20mm, @ Footings=50mm.
- Max Aggregate Size = 20mm.

S	Description
	WALL MOUNTED KDK FAN
	SOCKET OUTLET
	WALL MOUNTED LAMP
	DOUBLE ONE WAY SWITCH

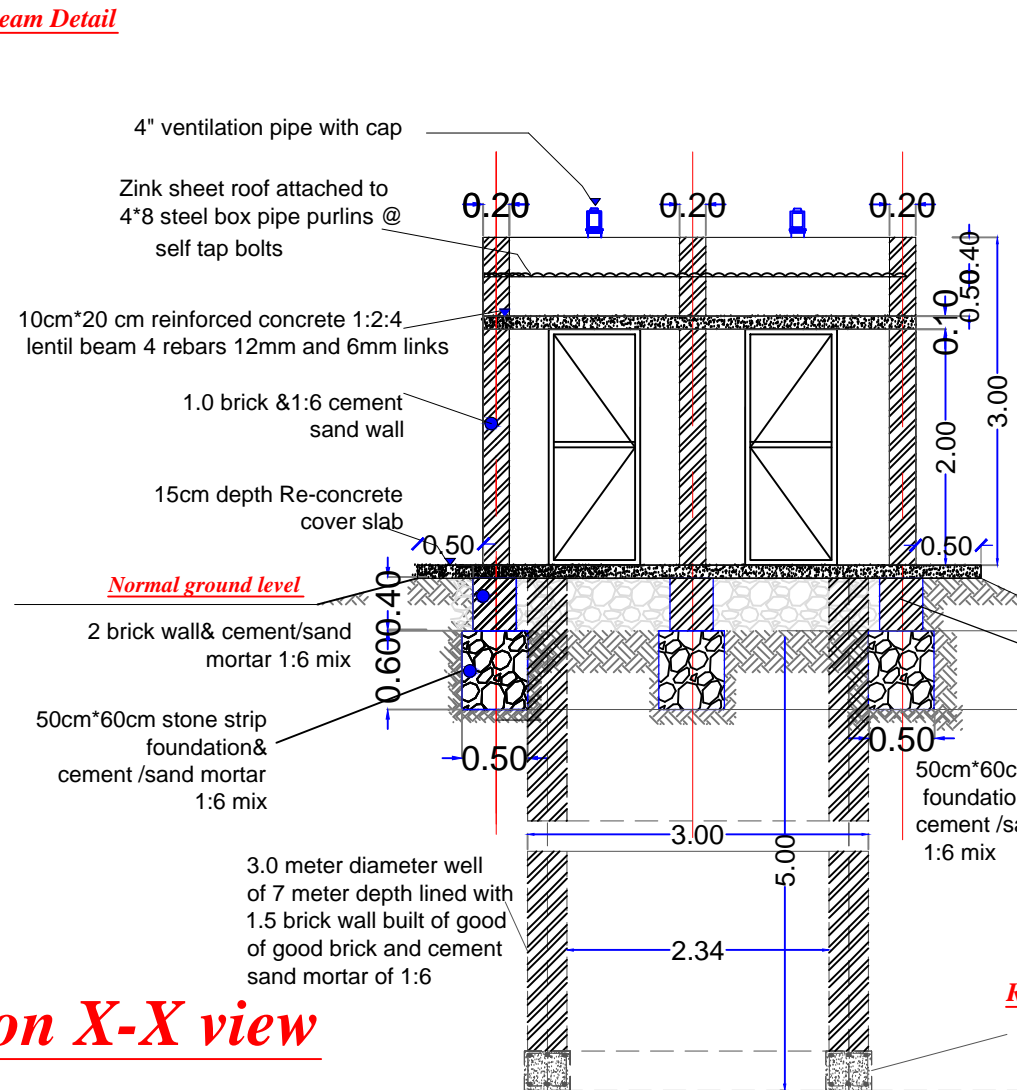
UNDP SUDAN	
latrines 2 Rooms latrine	
Agency: UNDP	
DETAILS	Mar 2020
Designed By:	L2



LATRINES FRONT ELEVATION VIEW **LATRINES SIDE ELEVATION VIEW**

#4 rebar of 10mm diameter with 6 mm links

Lentil Beam Detail



Section X-X view

20cm*15cm Re-concrete tie beam of 1:2:4 concrete mix and R10 re-bars linked with 6mm rebar @20cm

Zink sheet roof attached to 4*8 steel box pipe purlins @ self tap bolts

15cm depth Re-concrete cover slab of 1:2:4 concrete mix and 12mm re-bars @15cm c/c both ways top and bottom

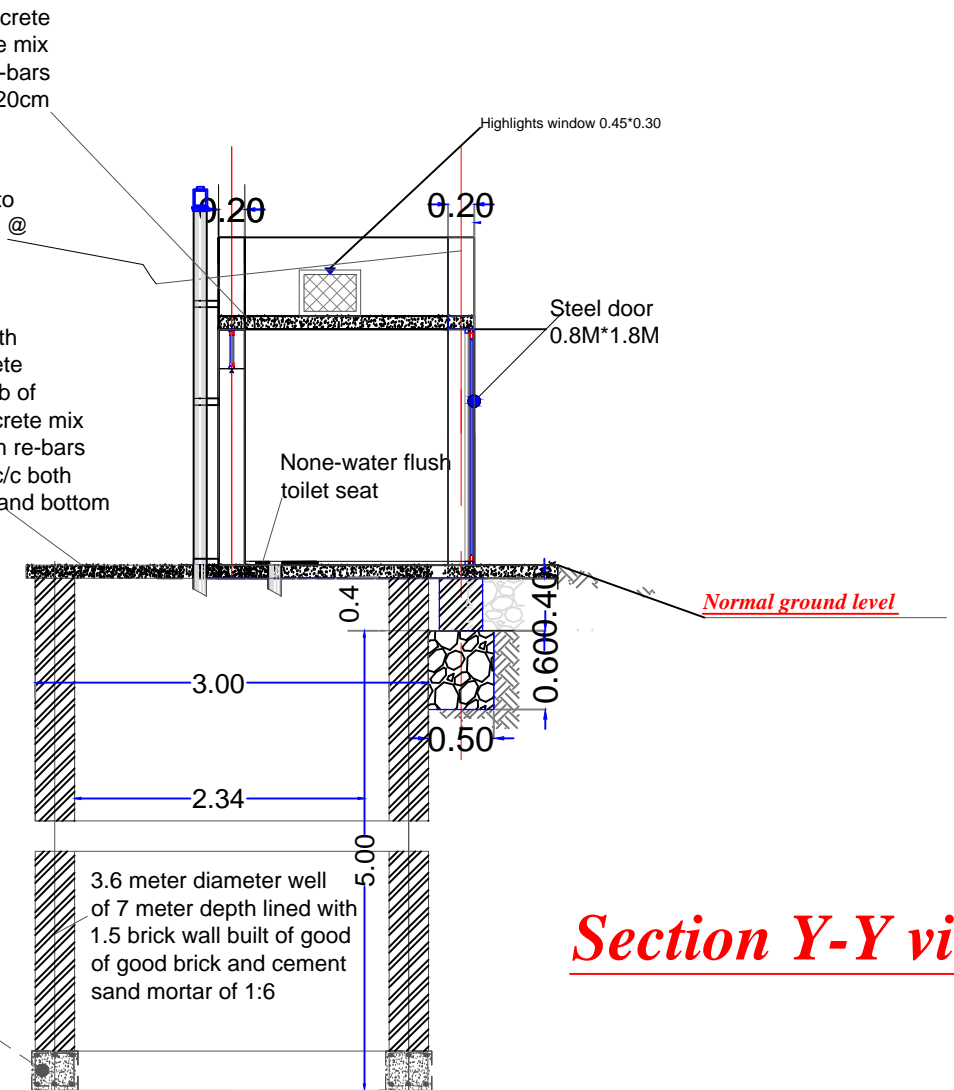
2 brick wall above the stone foundation of 30cm heigh built with good quality brick and 1:6 cement sand mortar

50cm*60cm stone strip foundation& cement /sand mortar 1:6 mix

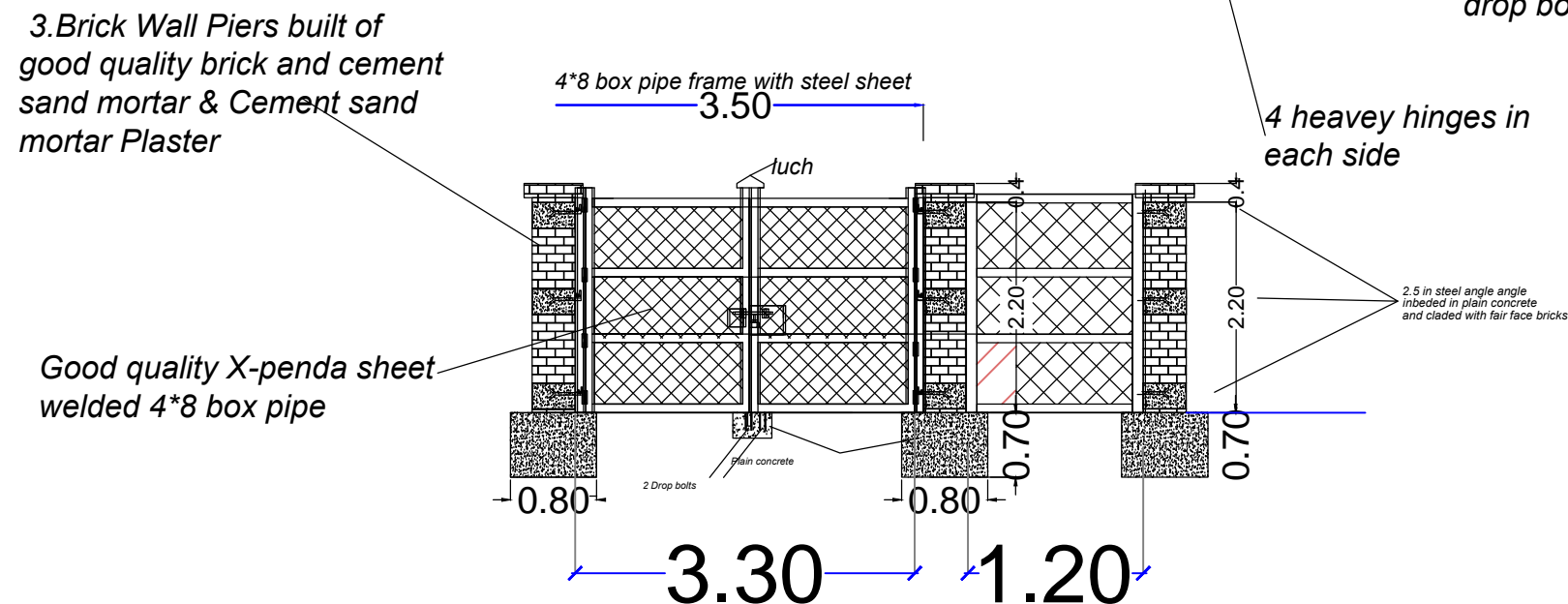
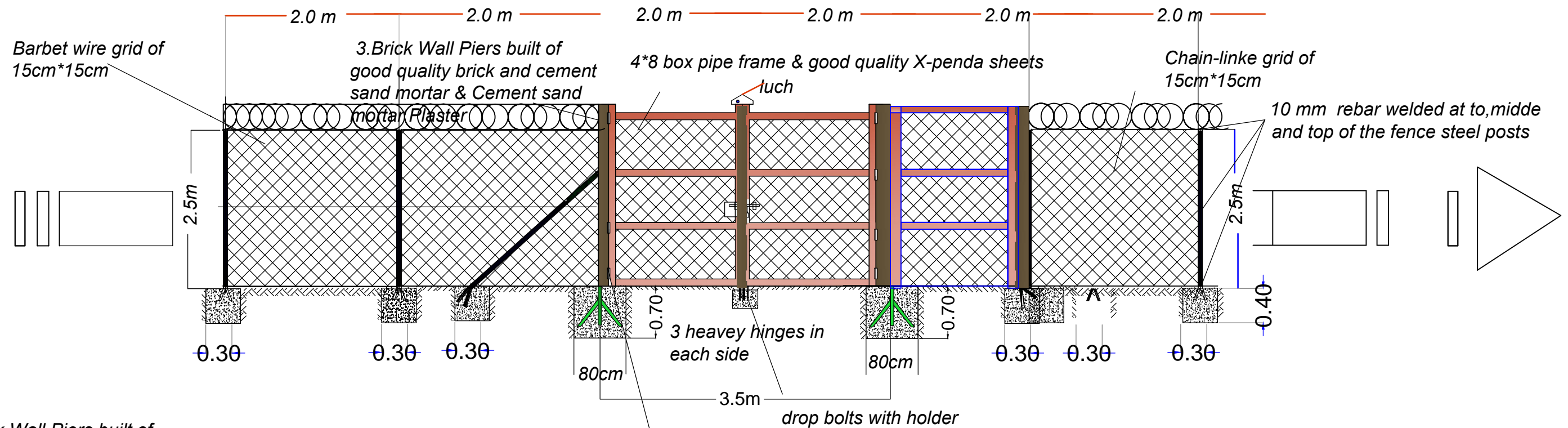
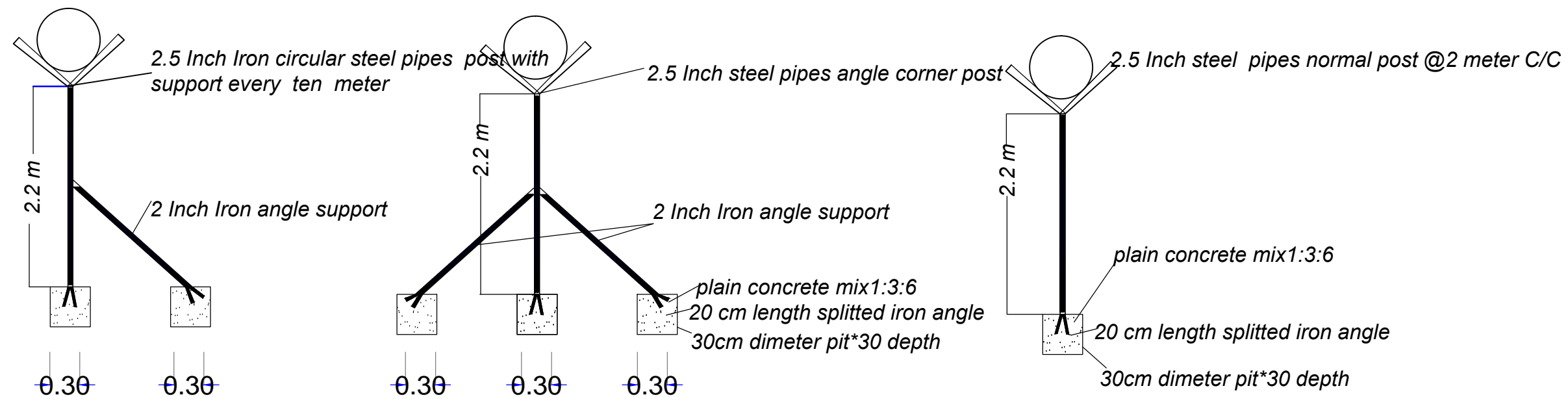
3.0 meter diameter well of 7 meter depth lined with 1.5 brick wall built of good of good brick and cement sand mortar of 1:6

Ring Beam Detail

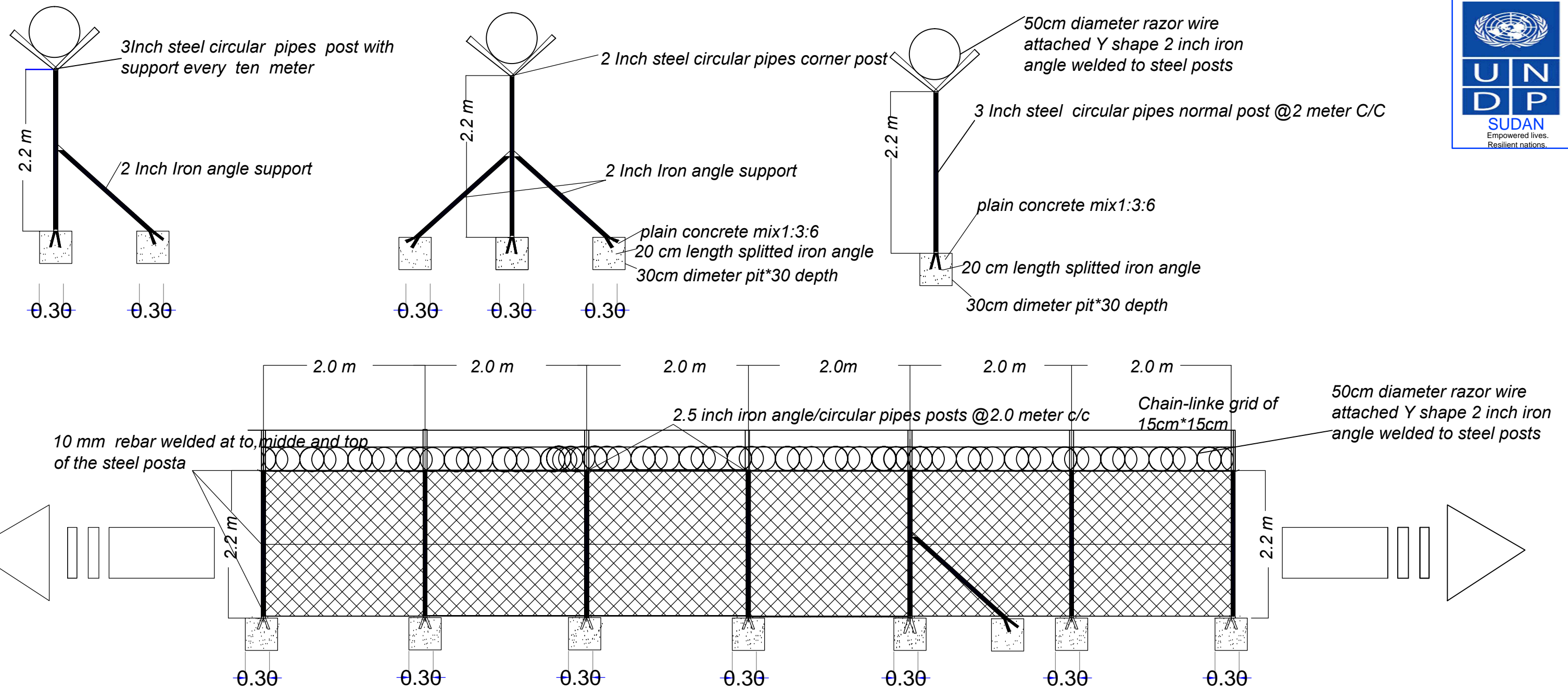
SIZE : 0.35 X 0.30 M
STEEL : Y 6 Ø12 MM.
LINK : 1 X 6MM @ 200MM.



Section Y-Y view



Project : Abusakeen Onion store		
Content : Fence Steel frame details		
Drawn By:	Mar 2020	F1



NOTE:

All steel work shall be painted with antirust paint and final paints

Project :	Abusakeen Onion store		
Content :	Fence Steel frame details		
Drawn By:		Mar 2020	F2

Note:

- The steel frame and the steel sheet shall be of good quality
- The steel frame and the sheet shall be painted with antirust and final coats
- The the contractor shall properly shall write and draw as indicated in the BoQ

Heavy steel sheet fully welded to
4*8 steel box pie frame

4*8 steel box pipe
frame painted with
antirust paint

4*8 steel box pipe
Support

Side Elevation View

GL

Front Elevation View

Rear Elevation View



GENERAL:
1- All steel members shall be of good quality heavy steel (Black type).
2- all steel remembers shall be painted with antirust paints and final coats
3-the plain concrete is of 1:3:6 mix and shall be treated properly with water
4-All dimensions are in meter unless otherwise statetd

Project Name:
Abusakeen Onion Store
North Darfur State

Content:
Sign Broad Details

Designed by: 2020

Drawn By: