

Implemented by.



International Organization For Migration (IOM Sudan)



Donated by.



Project Title:

Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)

Rehabilitation of Al Hasahisa Hospital

Drawings Album

Consultant



Donated by.



Implemented by.



Project Title:

Sudan Integrated Social Sector Infrastructure
Rehabilitation Project
(SISSIR)

Project Implemented by :

International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by. : Mohamed Hamza

Reviewed by : Eng. Mohamed I. Khalil

Approved by: Eng. FATHI MOHAMMED

Drawing Titel.	Signboard	SHEET NO. 00		
----------------	-----------	--------------	--	--

Figure 1 is a detailed architectural floor plan of a hospital ward. The plan shows a central corridor (1.2000m wide) with rooms on both sides. On the left side, from top to bottom, are: Dressing room 2, Hall (0.7000m wide), Male Doctors Lounge, Female Doctors Lounge, Office, and Operation room2. On the right side, from top to bottom, are: Dressing room 1, Recovery room, Sterilization room, and Operation room1. The overall dimensions are 9.80m wide and 16.80m deep. A pink circle highlights a specific area in the bottom left corner.

Technical drawing of a building facade showing dimensions and structural elements. The drawing includes a vertical section on the left and a horizontal section at the top. Key dimensions are indicated by blue dimension lines and red dashed lines. The vertical section shows a total height of 16.80, with individual bay heights of 3.00 and a base height of 1.80. The horizontal section shows a total width of 9.80, with individual bay widths of 3.00 and a base width of 1.80. The drawing also shows the placement of structural elements, including columns and beams, and the location of windows and doors.



Sudan Integrated Social Sector Infrastructure
Rehabilitation Project
(SISSIR)

International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E. Ahmed / Eng. Huges Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

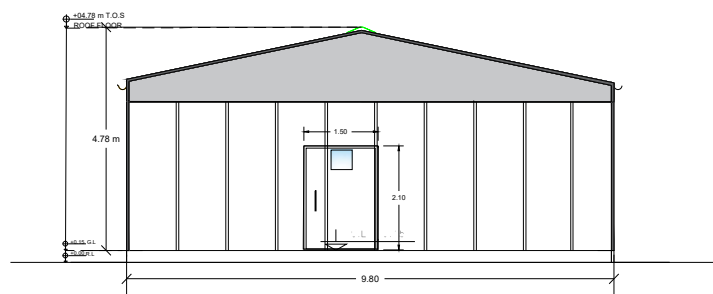
Approved by : Eng. FATHI MOHAMMED IOM

Drawing Title.

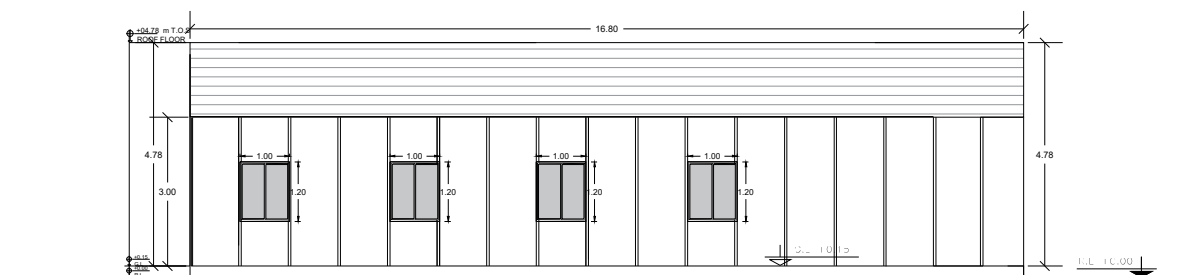
Plan of New prefabricated building
Operations Building Of AI SAHSAHIA HOSPITAL

SHEET
02

Operations complex - fabricated building	
Al-Hasahisa Hospital	AREA : 170.01
Elevation of New Prefabricated building	



EAST ELEVATION



SOUTH ELEVATION

Donated by.



Implemented by.



Project Title:

Sudan Integrated Social Sector Infrastructure
Rehabilitation Project
(SISSIR)

Project Implemented by :

International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E. Ahmed /Eng. Hagus Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

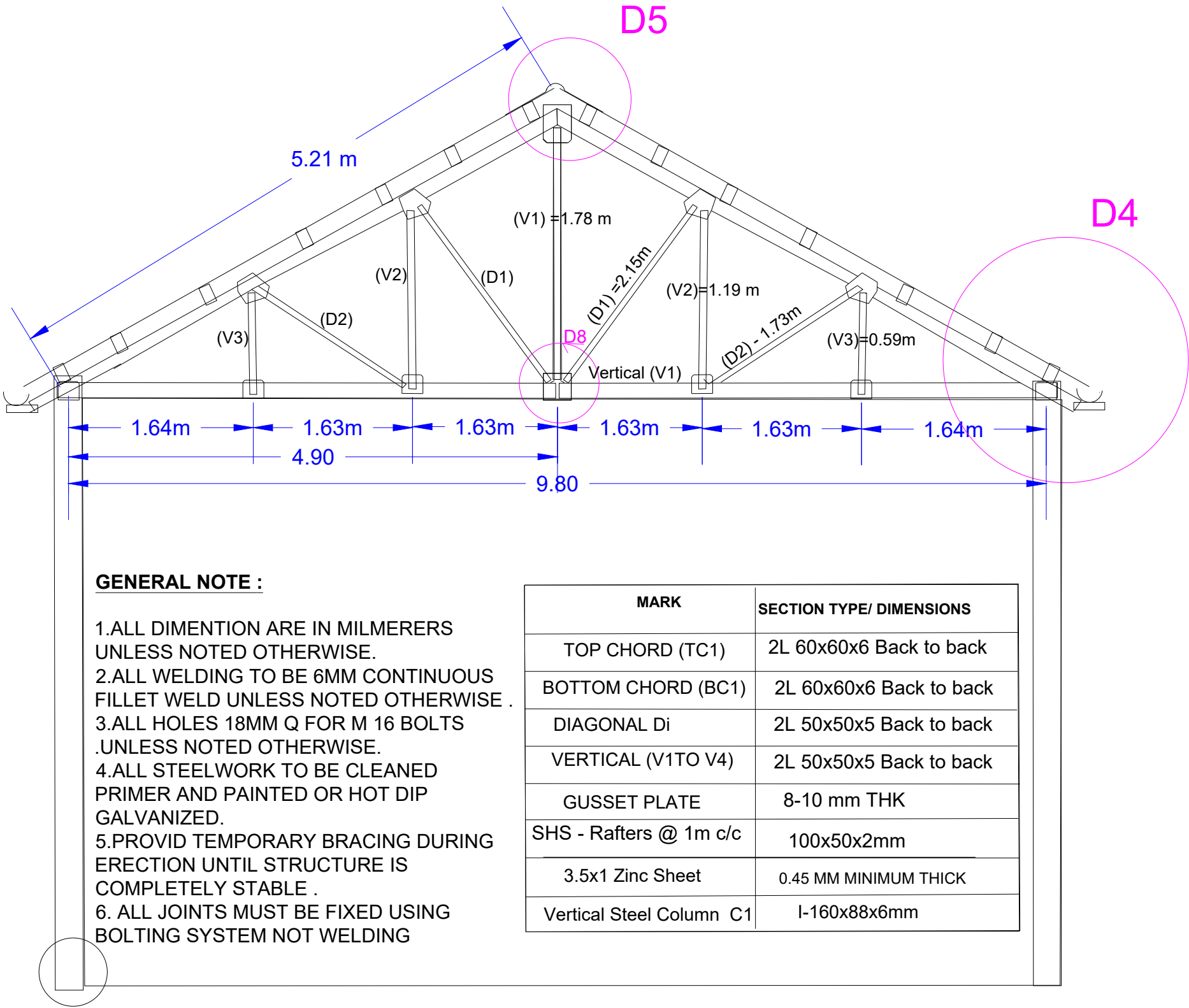
Approved by: Eng. FATHI MOHAMMED IOM

Drawing Title.

Elevation of New prefabricated building
Operations Building OF Al HASAHISA HOSPITAL

SHEET
NO. 04

Section R-R of Fink Truss Details



Donated by.



Implemented by.



Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)	Project Implemented by :
----------------	---	--------------------------

Ref.	Date.	Description

Designed by : Eng. HASHIM M. HAMID from GC
Checked by : Prof. Siddig E. Ahmed /Eng. Hagos Tades
Reviewed by : Eng. Mohamed I. Khalil IOM
Approved by : Eng. FATHI MOHAMMED IOM
Drawing Titel.

TRUSS DETAILS SHEET Section R-R
FOR AI HASAHISA HOSPITAL

Donated by.



Implemented by.



Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)	Project Implemented by :	International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by. : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

Approved by.: Eng. FATHI MOHAMMED IOM

Drawing Titel.

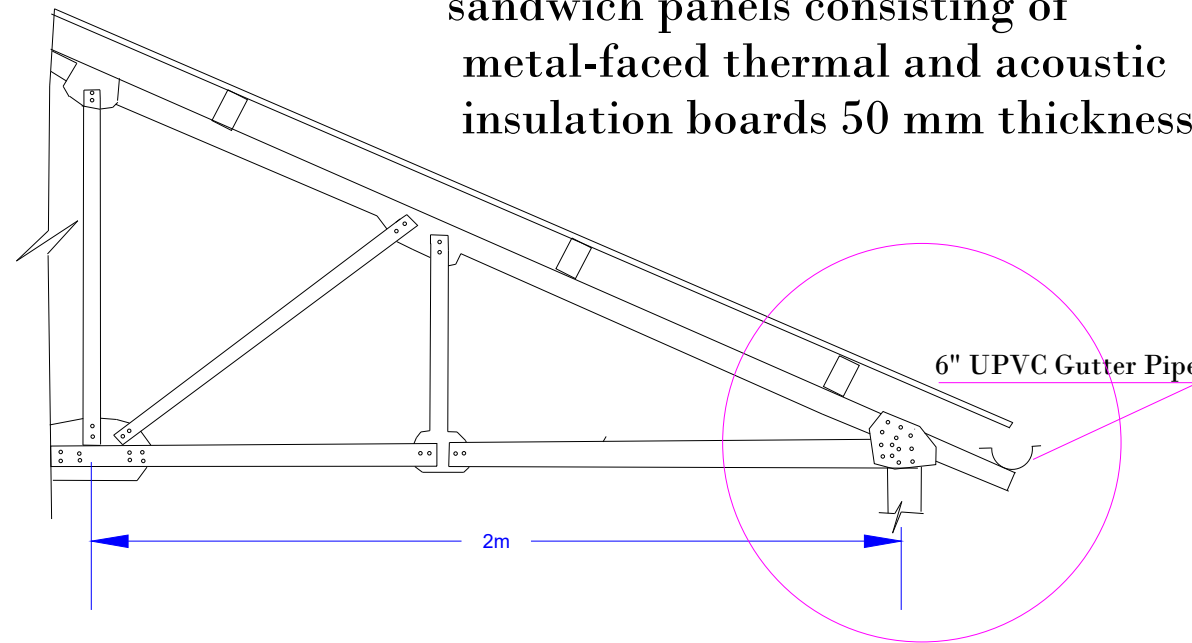
TRUSS DETAILS SHEET FOR ALHASAHISA HOSPITAL

SHEET NO.

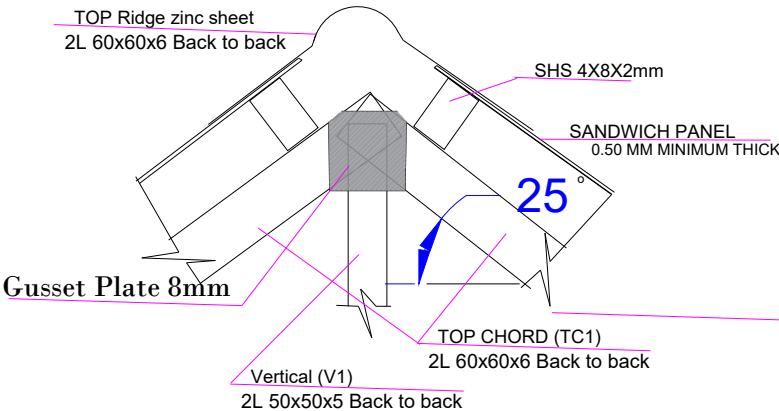
06

Type Roof Section D4

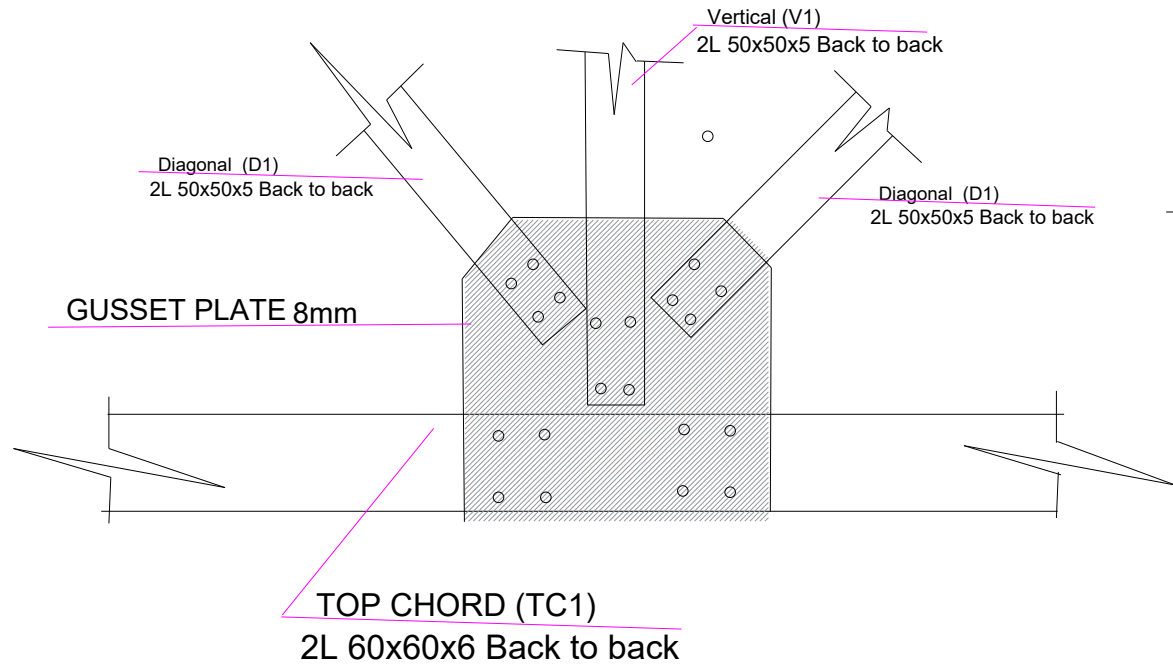
sandwich panels consisting of metal-faced thermal and acoustic insulation boards 50 mm thickness



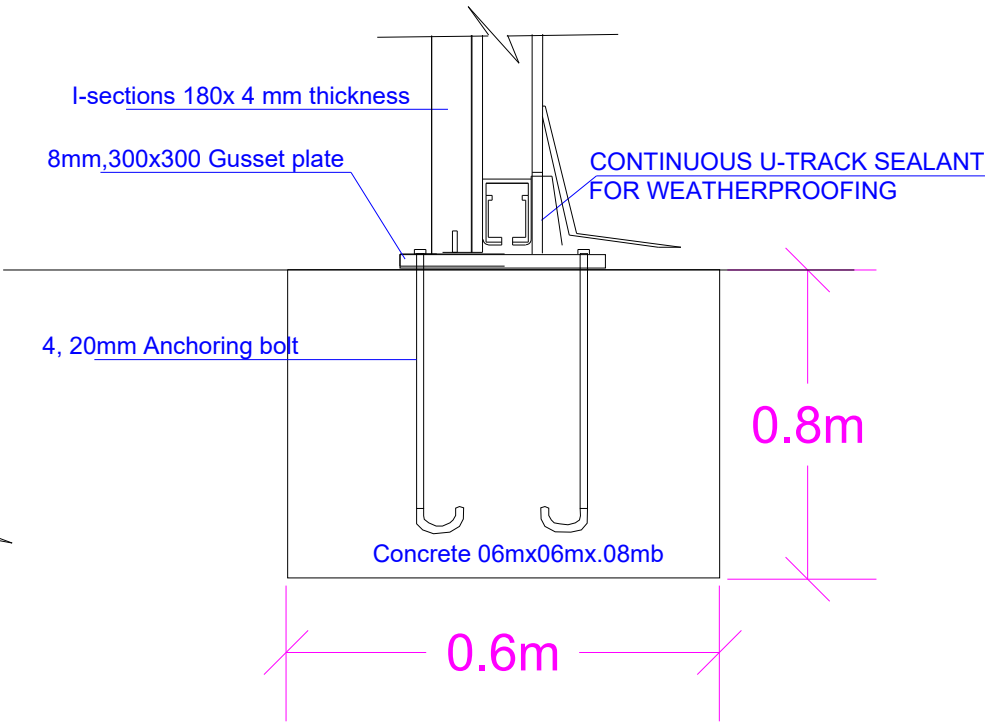
Ridge Details D5



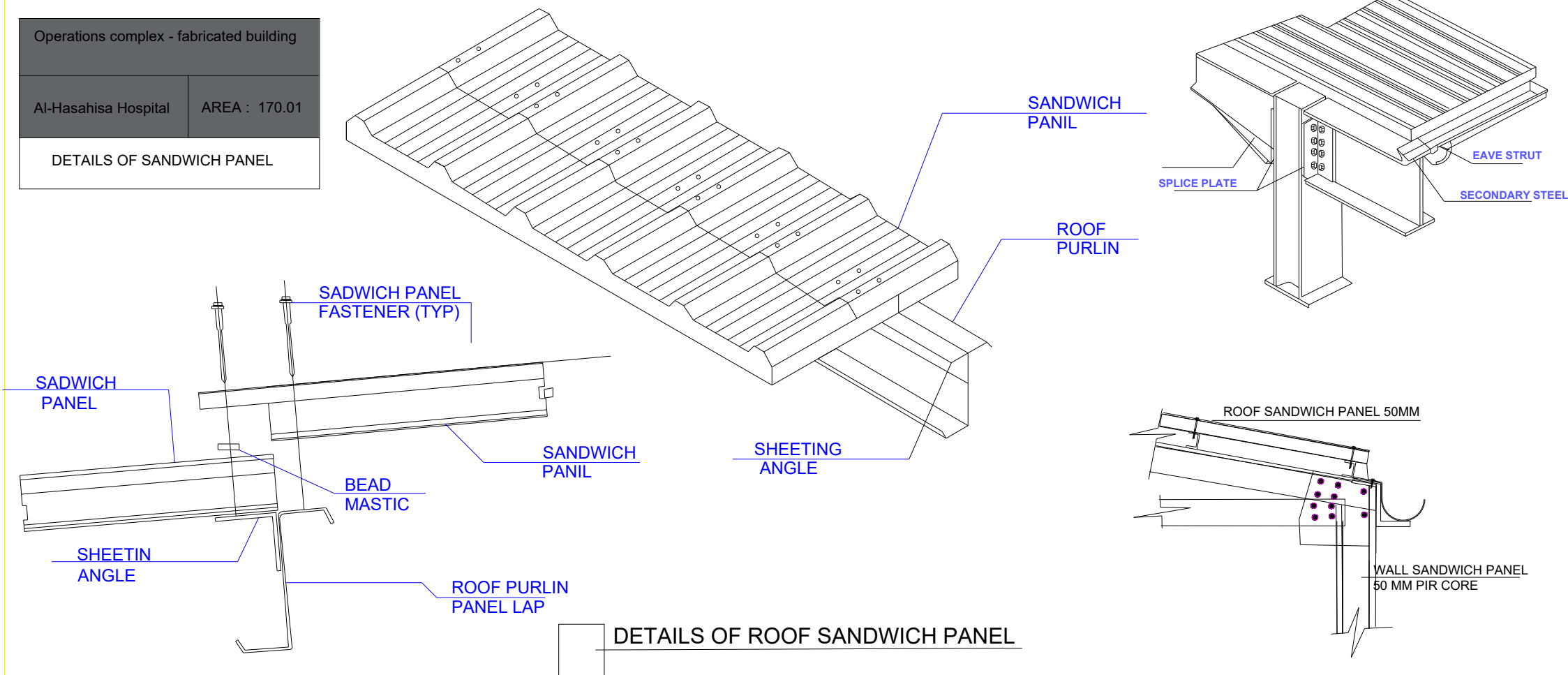
Typical Joint Details D8



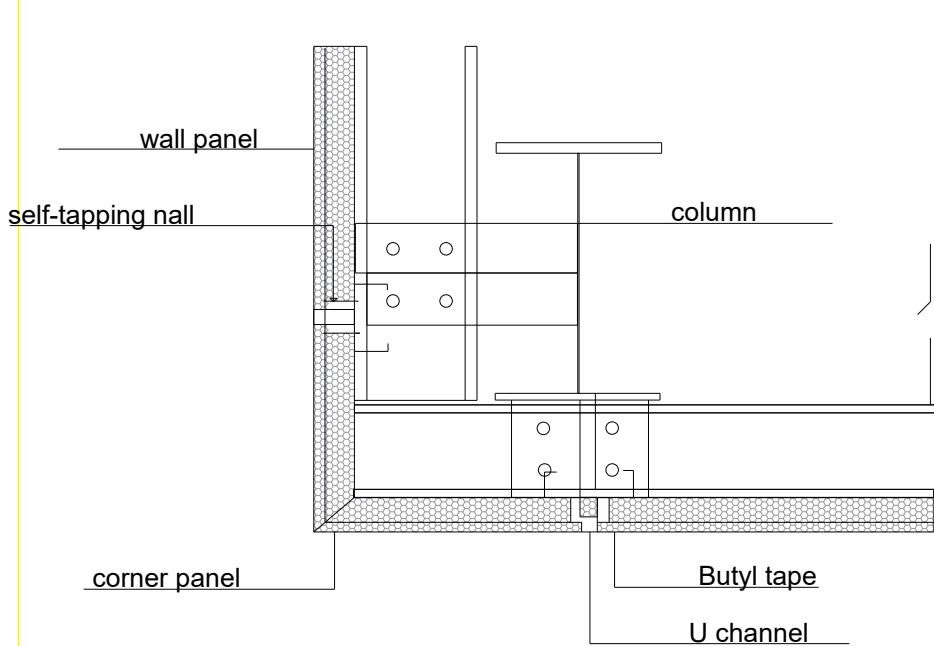
Typical Joint Details D6



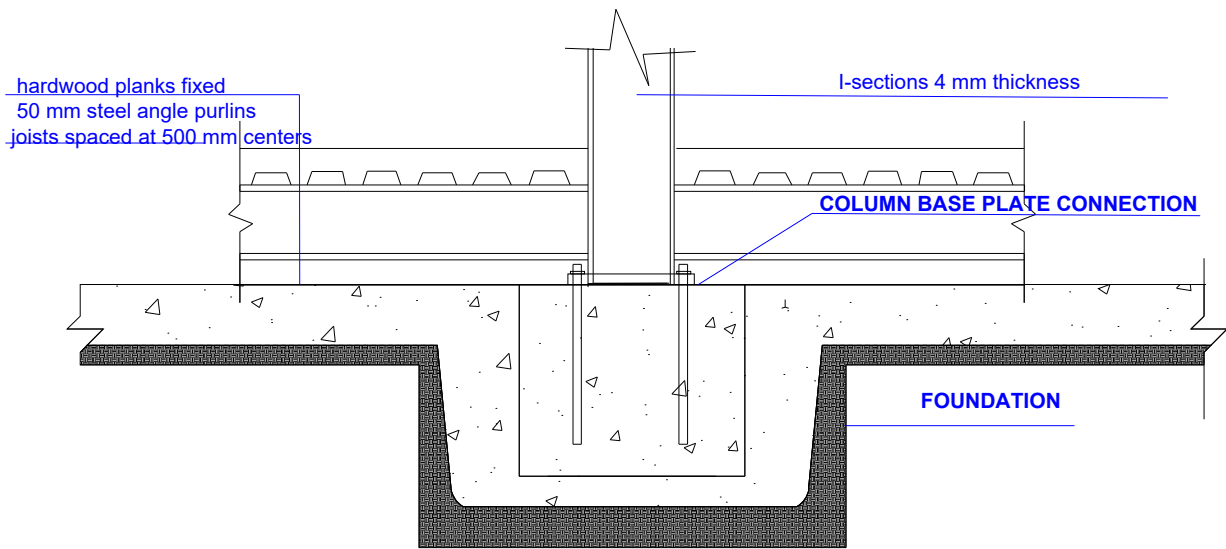
Operations complex - fabricated building	
Al-Hasahisa Hospital	AREA : 170.01
DETAILS OF SANDWICH PANEL	



DETAILS OF ROOF SANDWICH PANEL



DETAILS OF WALL SANDWICH PANEL



Donated by.



Implemented by.



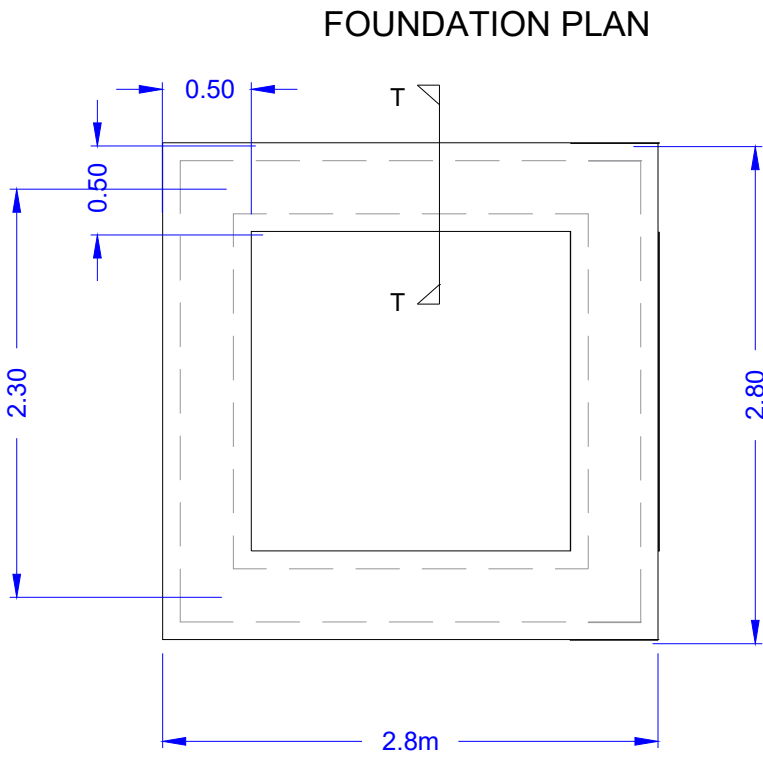
Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)	Project Implemented by :	International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

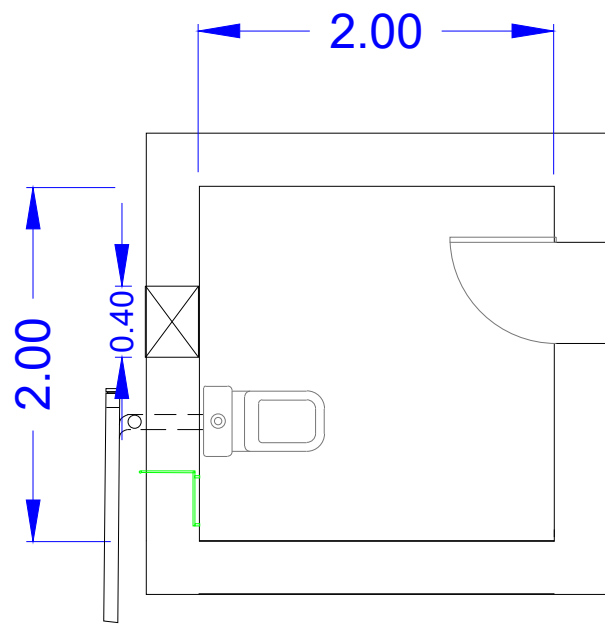
Designed by. : Eng. HASHIM M. HAMID from GOSHEN/DEE
Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN/DEE
Reviewed by : Eng. Mohamed I. Khalil IOM
Approved by.: Eng. FATHI MOHAMMED IOM

Drawing Titel.	Details of New prefabricated building Operations Building OF AI HASAHISA HOSPITAL	SHEET NO.	07
----------------	--	-----------	----

Operations complex - fabricated building	
Al-Hasahisa Hospital	
Al-Hasahisa Hospital	AREA : 170.01
Western-style toilet dimension and foundation plan	



One Additional External Toilets – PLAN



Donated by.



Implemented by.



Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)	Project Implemented by :	International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

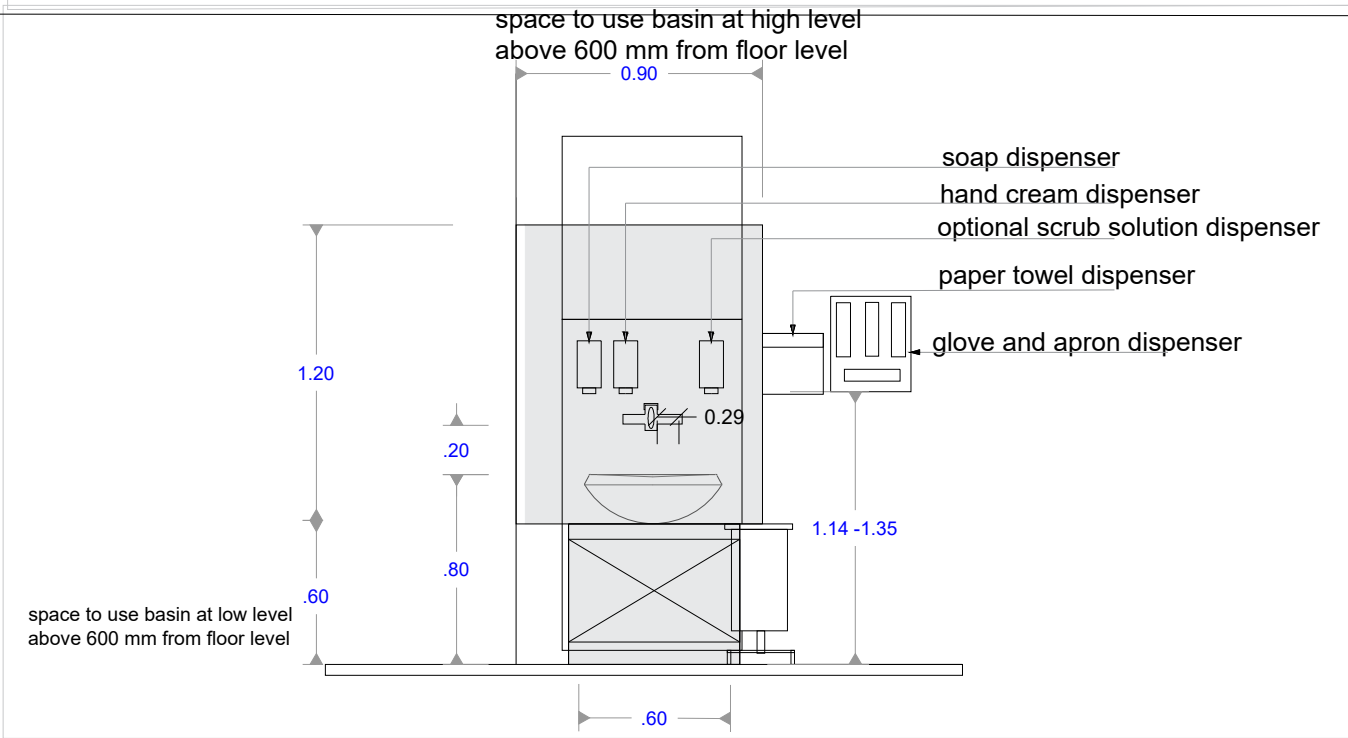
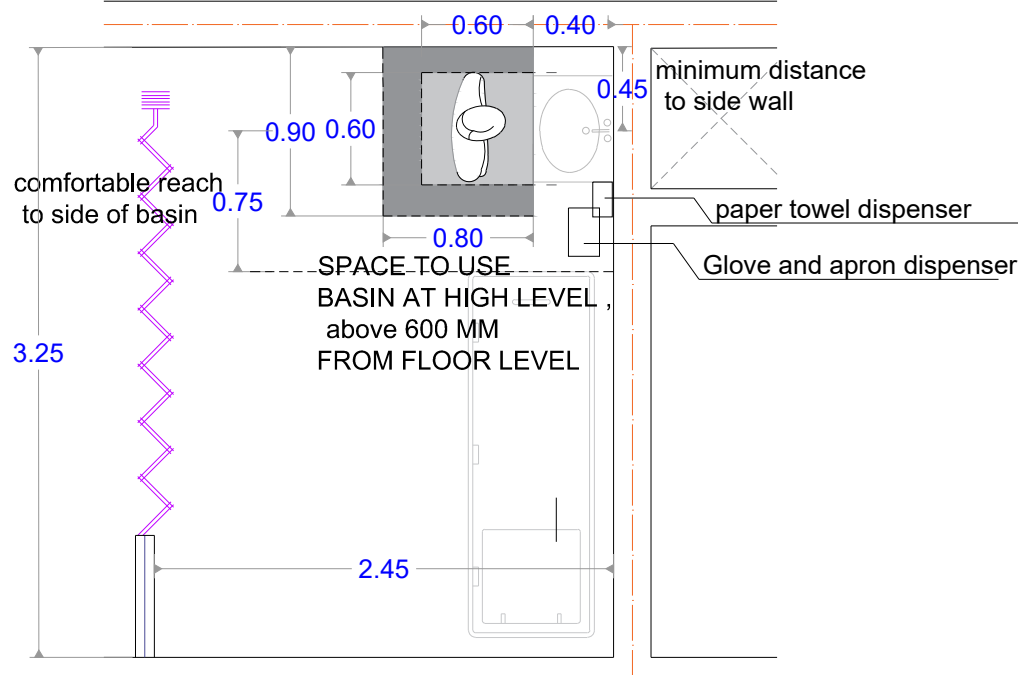
Designed by. : Eng. HASHIM M. HAMID from GOSHEN/DEE
Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN/DEE
Reviewed by : Eng. Mohamed I. Khalil IOM
Approved by.; Eng. FATHI MOHAMMED IOM

Drawing Title:	Western-style toilet dimension and foundation plan of New prefabricated building Operations Building OF Al HASAHISA HOSPITAL	SHEET NO.	08	
----------------	--	-----------	----	--

Operations complex - fabricated building
Al-Hasahisa Hospital

AREA : 170.01

D4 clinical wash-hand basin
Operation Room



Donated by.



Implemented by.



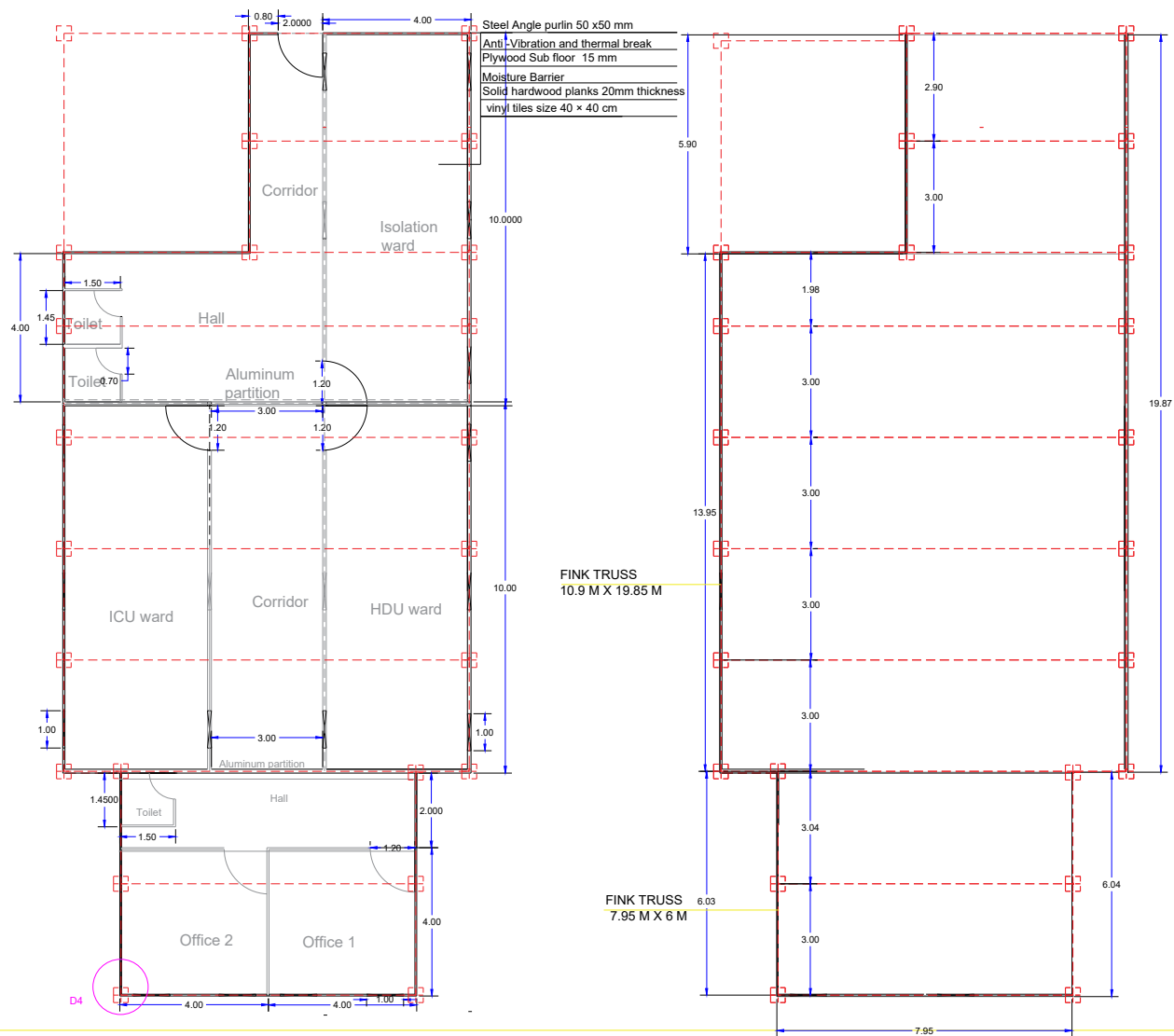
Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISR)	Project Implemented by : International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE
Checked by : Prof. Siddig E. Ahmed /Eng. Hagos Tadesse GOSHEN/DEE
Reviewed by : Eng. Mohamed I. Khalil IOM
Approved by: Eng. FATHI MOHAMMED IOM
Drawing Titel.
Details of New prefabricated building
Operations Building OF AI HASAHISA HOSPITAL

SHEET
NO.
09

Prefabricated ICU, HDU, Isolation Wards	
Al-Hasahisa Hospital	AREA : 216
Foundation plan Prefabricated ICU, HDU, Isolation Wards	



Donated by.



Implemented by.



Project Title:

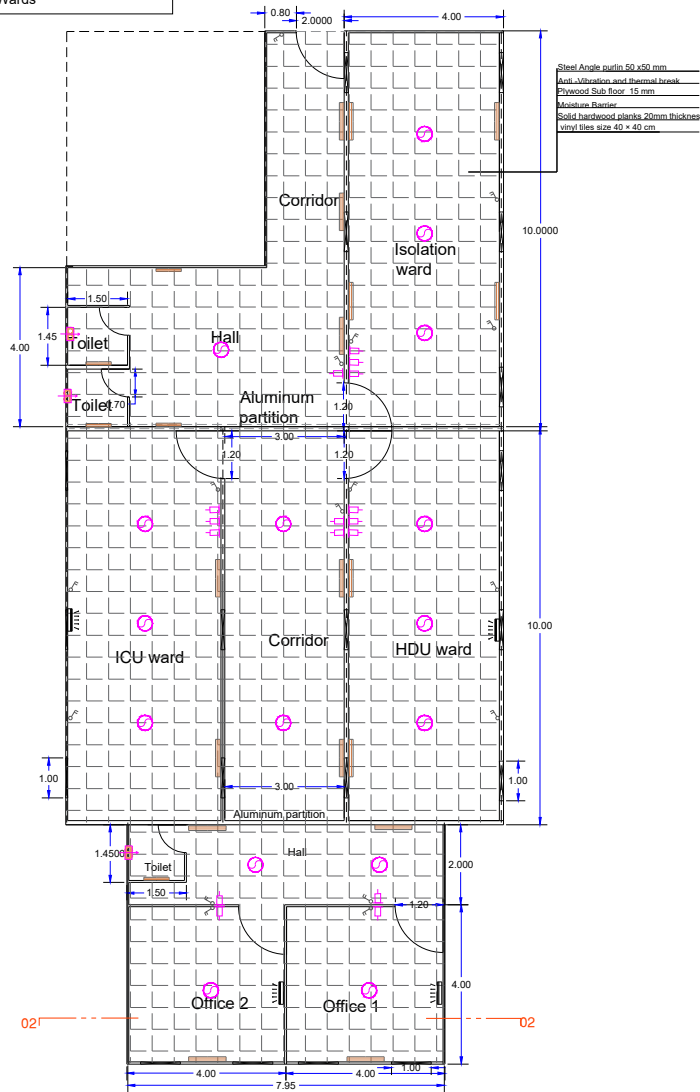
Sudan Integrated Social Sector Infrastructure
Rehabilitation Project
(SISSIR)

Project Implemented by :

International Organization For migration (IOM Sudan)

[illegible]

Prefabricated ICU, HDU, Isolation Wards	
Al-Hasahisa Hospital	AREA : 216 m ²
dimension and electrical of Prefabricated ICU, HDU, Isolation Wards	



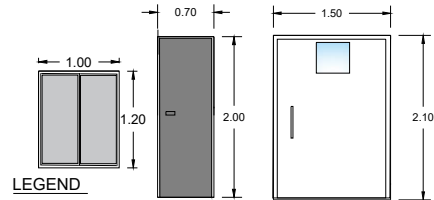
ALL DIMENSIONS SHOWN HERE ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.

DOORS

TYPE	SIZE	NO.	MATERIAL
W.	H.		
D1	1500 X 2200	9	ALUMINUM DOOR
D2	700 X 2000	5	ALUMINUM DOOR

WINDOWS

TYPE	SIZE	NO.	MATERIAL
W.	H.		
W1	1000 X 1200	7	ALUMINUM WINDOW



LEGEND

Symbol	Description
	CEILING FAN REGULATOR
	CEILING FAN
	RECESSED MOUNTED LIGHTING FIXTURE WITH 1X36W STRIP FLUORESCENT LAMP AS NARDEEN SERIES PPE T8LT26 40W, 240V SL, IP 55, OR EQUAL AND APPROVED FOR STRIP CEILING.
	TWO GANG SWITCH
	TRIPLE GANG SWITCH
	60W high-power LED LAMP.
	15A SINGLE SOCKET OUTLET
	RECESSED MOUNTED DOWN LIGHT FOR 12W 2700K COLOR TEMPERATURE LED 165mm DIA AND IP20 AS THORN BASE LED OR EQUAL AND APPROVED.
	Daul Inverter Split Air - Conditioning Unit 18,000 BTU/h
	SPLIT A/C OUTDOOR UNIT
	EXHAUST FAN OUTLET FOR WALL

Donated by.



Implemented by.



Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)
Project Implemented by :	International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E. Ahmed /Eng. Hagus Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

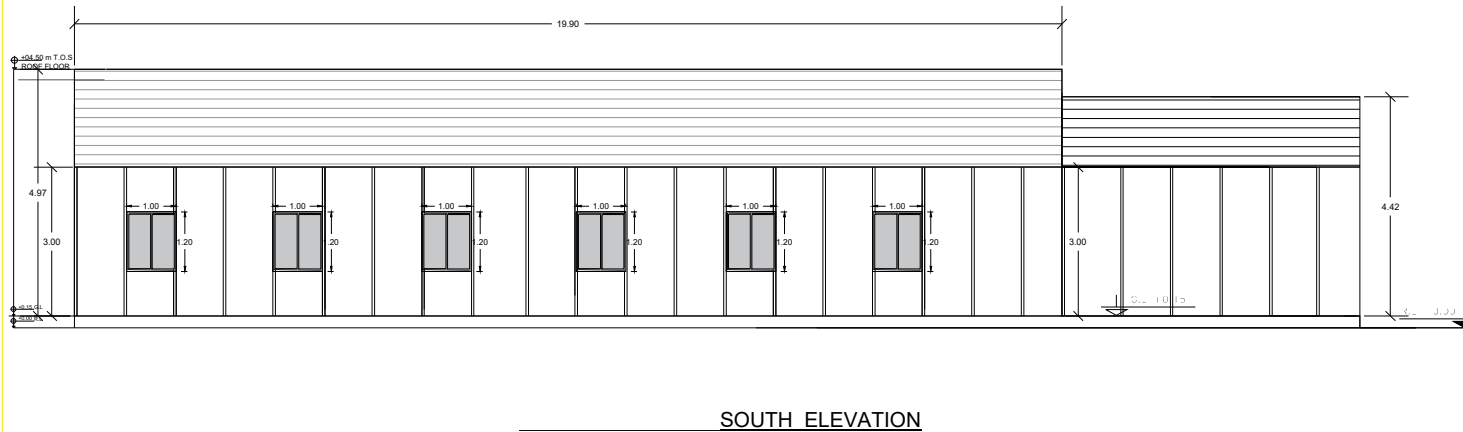
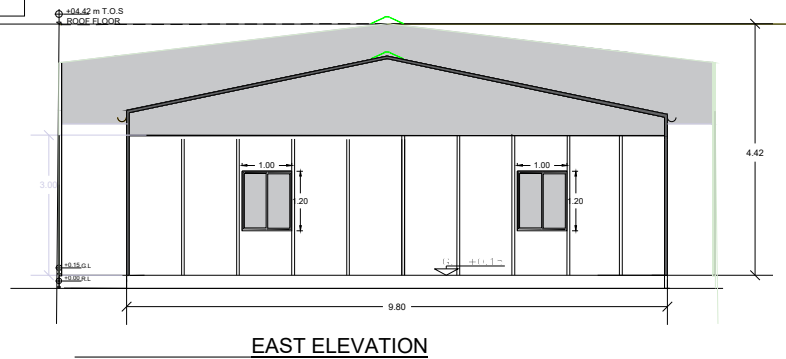
Approved by: Eng. FATHI MOHAMMED IOM

Drawing Title.

Floor and Electrical Plan of Prefabricated ICU, HDU, Isolation Wards OF AI HASAHISA HOSPITAL

SHEET NO. 11

Prefabricated ICU, HDU, Isolation Wards	
Al-Hasahisa Hospital	AREA : 216 m ²
Elevation of Prefabricated ICU, HDU, Isolation Wards	



Donated by.



Implemented by.



Project Title:

Sudan Integrated Social Sector Infrastructure
Rehabilitation Project
(SISSIR)

Project Implemented by :

International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E. Ahmed /Eng. Hagos Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

Approved by: Eng. FATHI MOHAMMED IOM

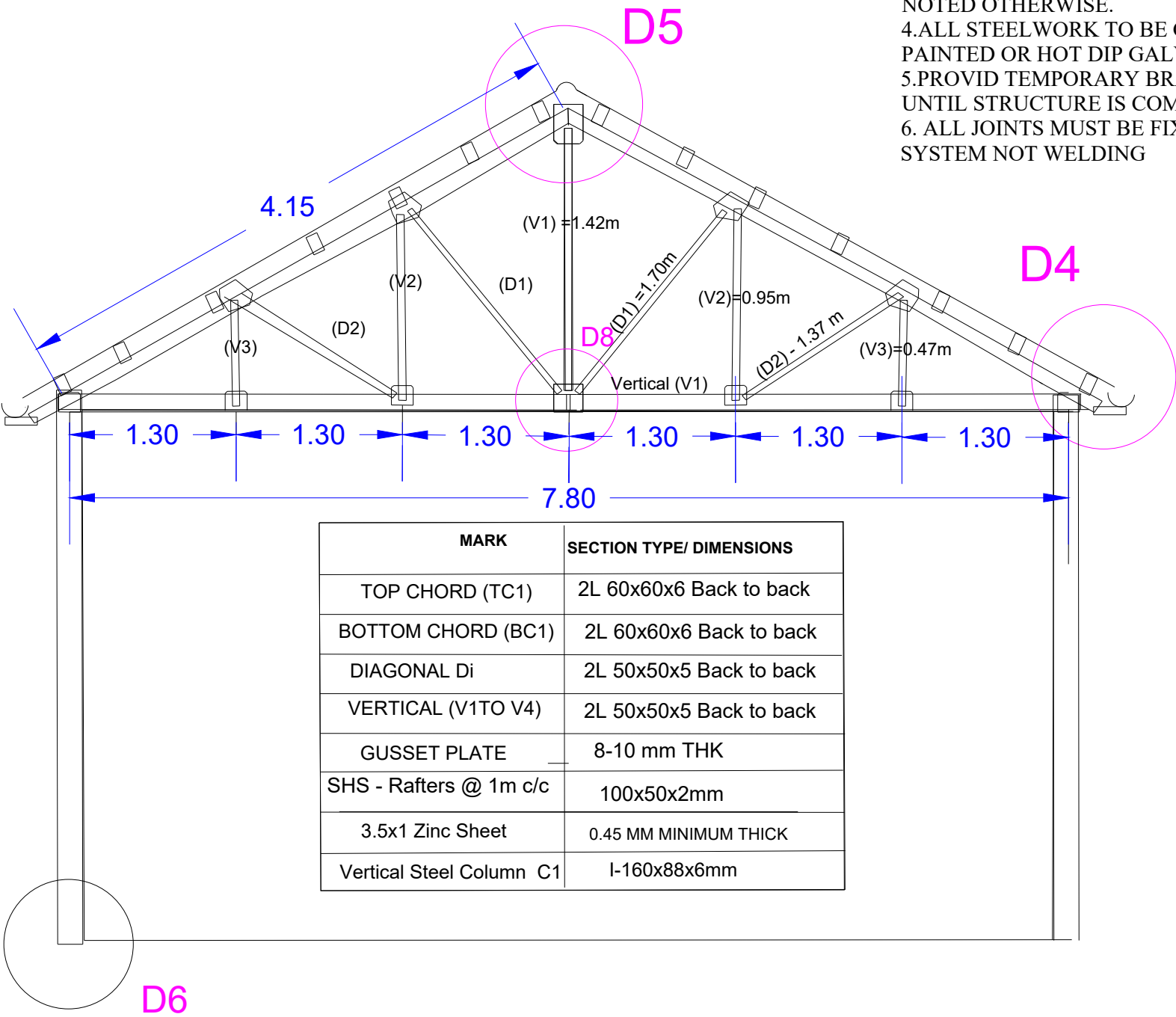
Drawing Title:
Elevation of Prefabricated ICU, HDU, Isolation Wards
OF AL HASAHISA HOSPITAL

SHEET
NO.
12

Section R-R of Fink Truss Details

GENERAL NOTE :

- 1.ALL DIMENTION ARE IN MILMERERS UNLESS NOTED OTHERWISE.
- 2.ALL WELDING TO BE 6MM CONTINUOUS FILLET WELD UNLESS NOTED OTHERWISE .
- 3.ALL HOLES 18MM Q FOR M 16 BOLTS .UNLESS NOTED OTHERWISE.
- 4.ALL STEELWORK TO BE CLEANED PRIMER AND PAINTED OR HOT DIP GALVANIZED.
- 5.PROVID TEMPORARY BRACING DURING ERECTION UNTIL STRUCTURE IS COMPLETELY STABLE .
6. ALL JOINTS MUST BE FIXED USING BOLTING SYSTEM NOT WELDING



Donated by.



Implemented by.



Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)	Project Implemented by :	International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by. : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

Approved by.: Eng. FATHI MOHAMMED IOM

Drawing Titel. TRUSS DETAILS SHEET Section R-R FOR AI HASAHISA HOSPITAL SHEET NO. 13

The drawing shows a symmetrical roof truss with a central vertical member (V1) and two diagonal members (D1, D2) on each side. The top chord is labeled with a slope of 5.75. The bottom chord is divided into segments of 1.80, 1.80, 1.80, 1.83, 1.80, and 1.80, with a total width of 10.84. The vertical height is 1.97m. The diagonal lengths are 2.37m and 1.90m. The vertical heights of the other members are 1.31m and 0.66m. The drawing includes a general note and a table of material specifications.

GENERAL NOTE :

- 1.ALL DIMENTION ARE IN MILMERERS UNLESS NOTED OTHERWISE.
- 2.ALL WELDING TO BE 6MM CONTINUOUS FILLET WELD UNLESS NOTED OTHERWISE .
- 3.ALL HOLES 18MM Q FOR M 16 BOLTS .UNLESS NOTED OTHERWISE.
- 4.ALL STEELWORK TO BE CLEANED PRIMER AND PAINTED OR HOT DIP GALVANIZED.
- 5.PROVID TEMPORARY BRACING DURING ERECTION UNTIL STRUCTURE IS COMPLETELY STABLE .
6. ALL JOINTS MUST BE FIXED USING BOLTING SYSTEM NOT WELDING

MARK	SECTION TYPE/ DIMENSIONS
TOP CHORD (TC1)	2L 60x60x6 Back to back
BOTTOM CHORD (BC1)	2L 60x60x6 Back to back
DIAGONAL Di	2L 50x50x5 Back to back
VERTICAL (V1TO V4)	2L 50x50x5 Back to back
GUSSET PLATE	8-10 mm THK
SHS - Rafters @ 1m c/c	100x50x2mm
3.5x1 Zinc Sheet	0.45 MM MINIMUM THICK
Vertical Steel Column C1	I-160x88x6mm



Sudan Integrated Social Sector Infrastructure
Rehabilitation Project
(SISSIR)

International Organization For migration (IOM Sudan)

MARK	SECTION TYPE/ DIMENSIONS
TOP CHORD (TC1)	2L 60x60x6 Back to back
BOTTOM CHORD (BC1)	2L 60x60x6 Back to back
DIAGONAL Di	2L 50x50x5 Back to back
VERTICAL (V1TO V4)	2L 50x50x5 Back to back
GUSSET PLATE	8-10 mm THK
SHS - Rafters @ 1m c/c	100x50x2mm
3.5x1 Zinc Sheet	0.45 MM MINIMUM THICK
Vertical Steel Column C1	I-160x88x6mm

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

Approved by : Eng. FATHI MOHAMMED IOM

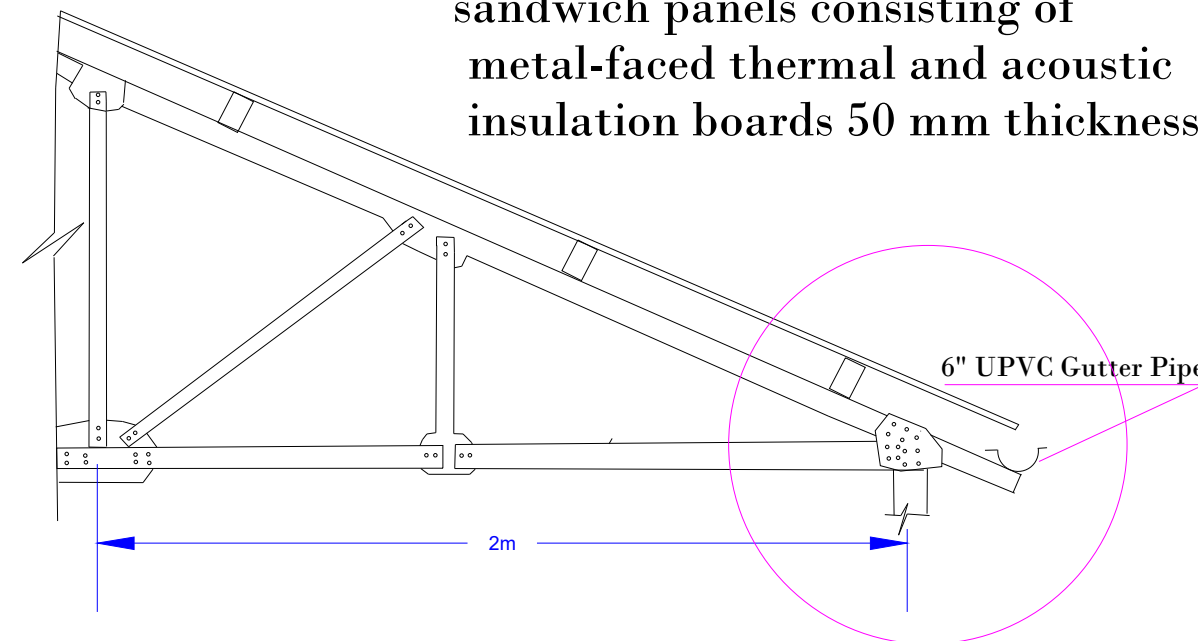
Drawing Titel.

TRUSS DETAILS SHEET Section R-R
FOR AI HASAHISA HOSPITAL

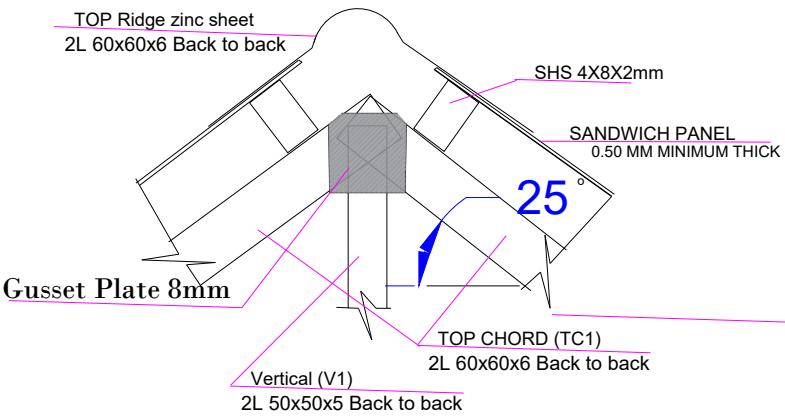
SHEET NO. 14

Type Roof Section D4

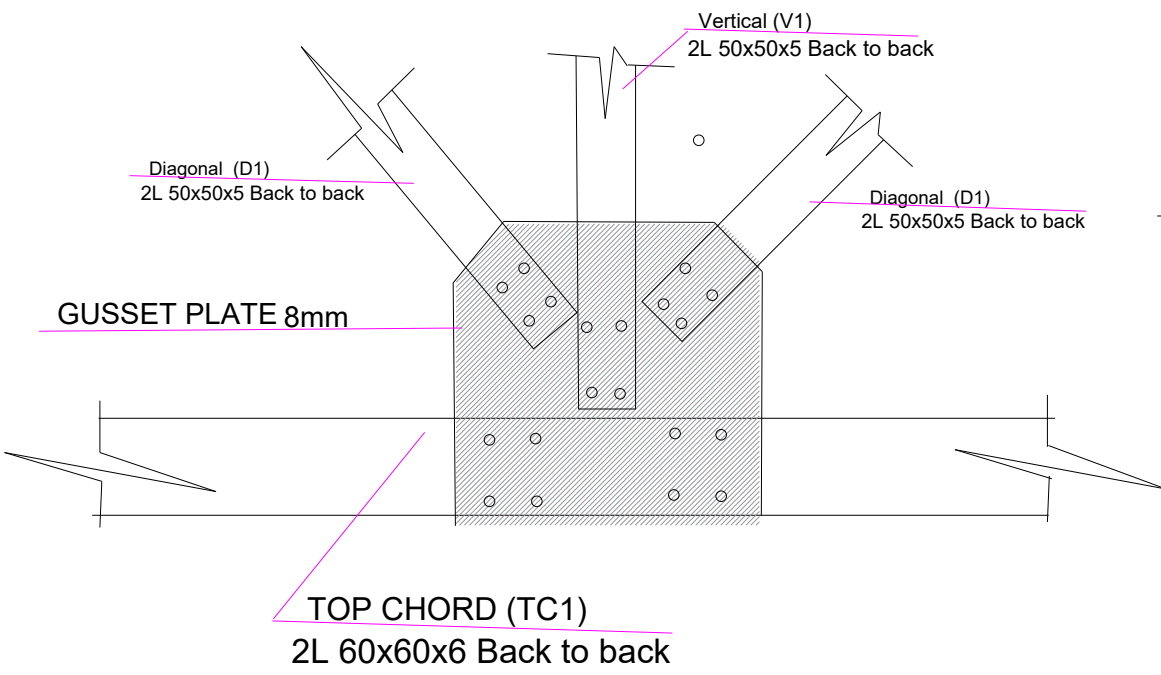
sandwich panels consisting of metal-faced thermal and acoustic insulation boards 50 mm thickness



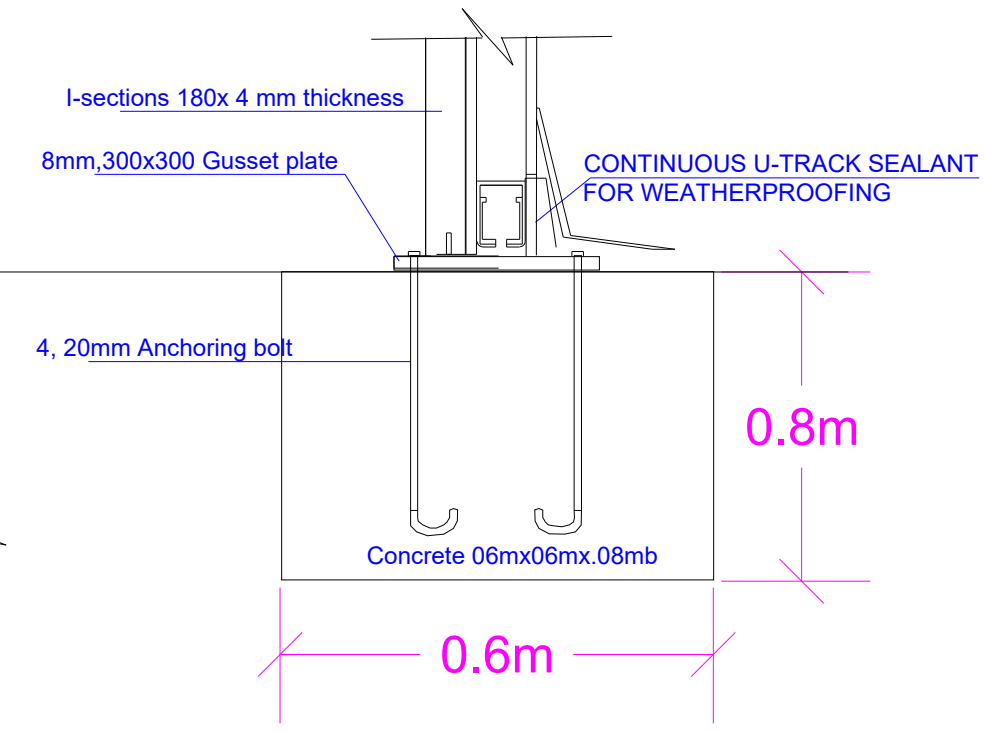
Ridge Details D5



Typical Joint Details D8



Typical Joint Details D6



Donated by.



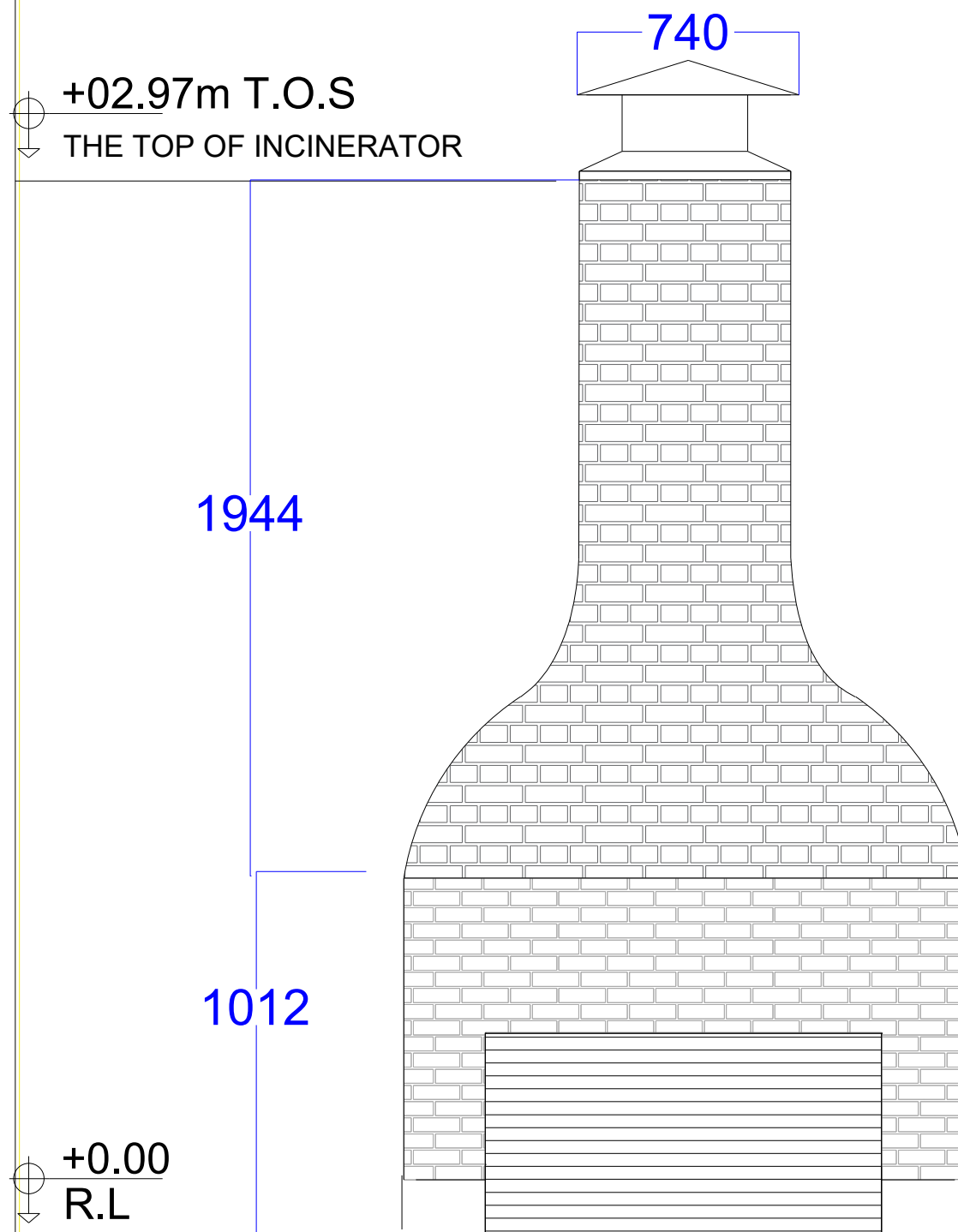
Implemented by.



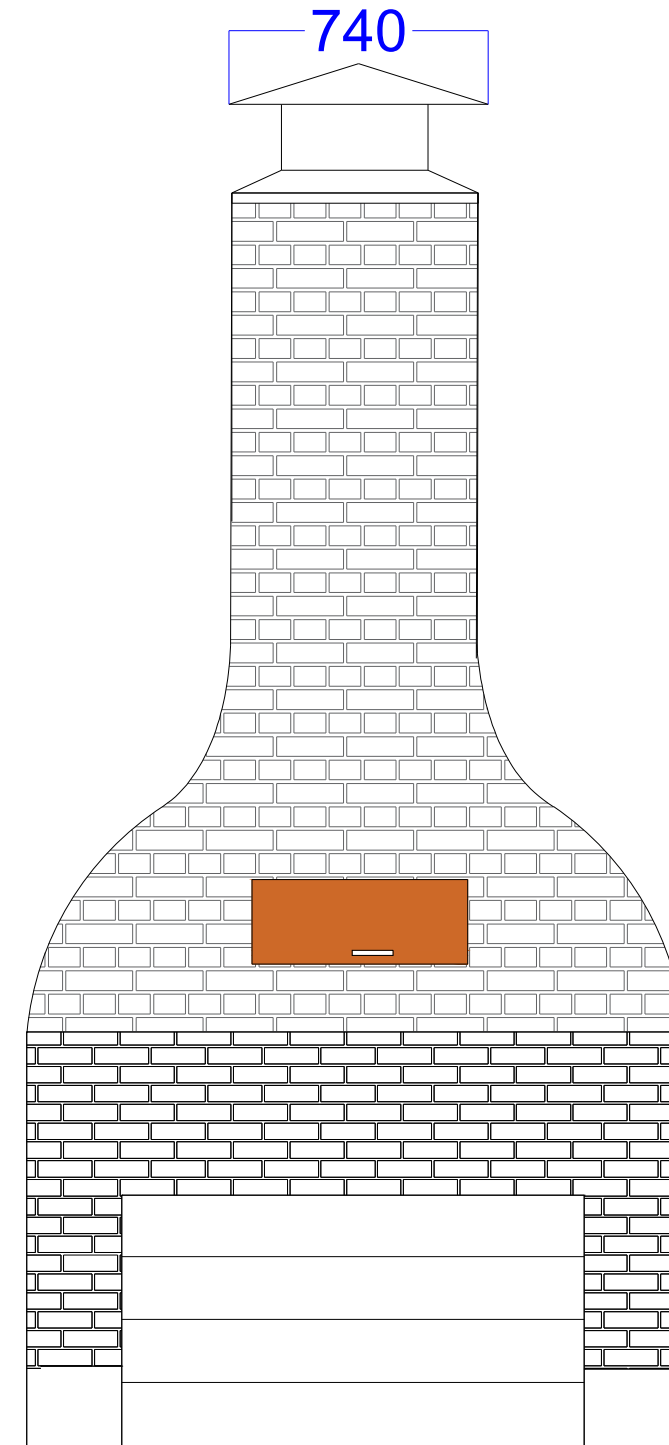
Project Title:	Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)	Project Implemented by :	International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE
Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN/DEE
Reviewed by : Eng. Mohamed I. Khalil IOM
Approved by: Eng. FATHI MOHAMMED IOM



REAR ELEVATION



FRONT ELEVATION

Donated by.



Implemented by.



Project Title:

Sudan Integrated Social Sector Infrastructure
Rehabilitation Project
(SISSIR)

Project Implemented by :

International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval

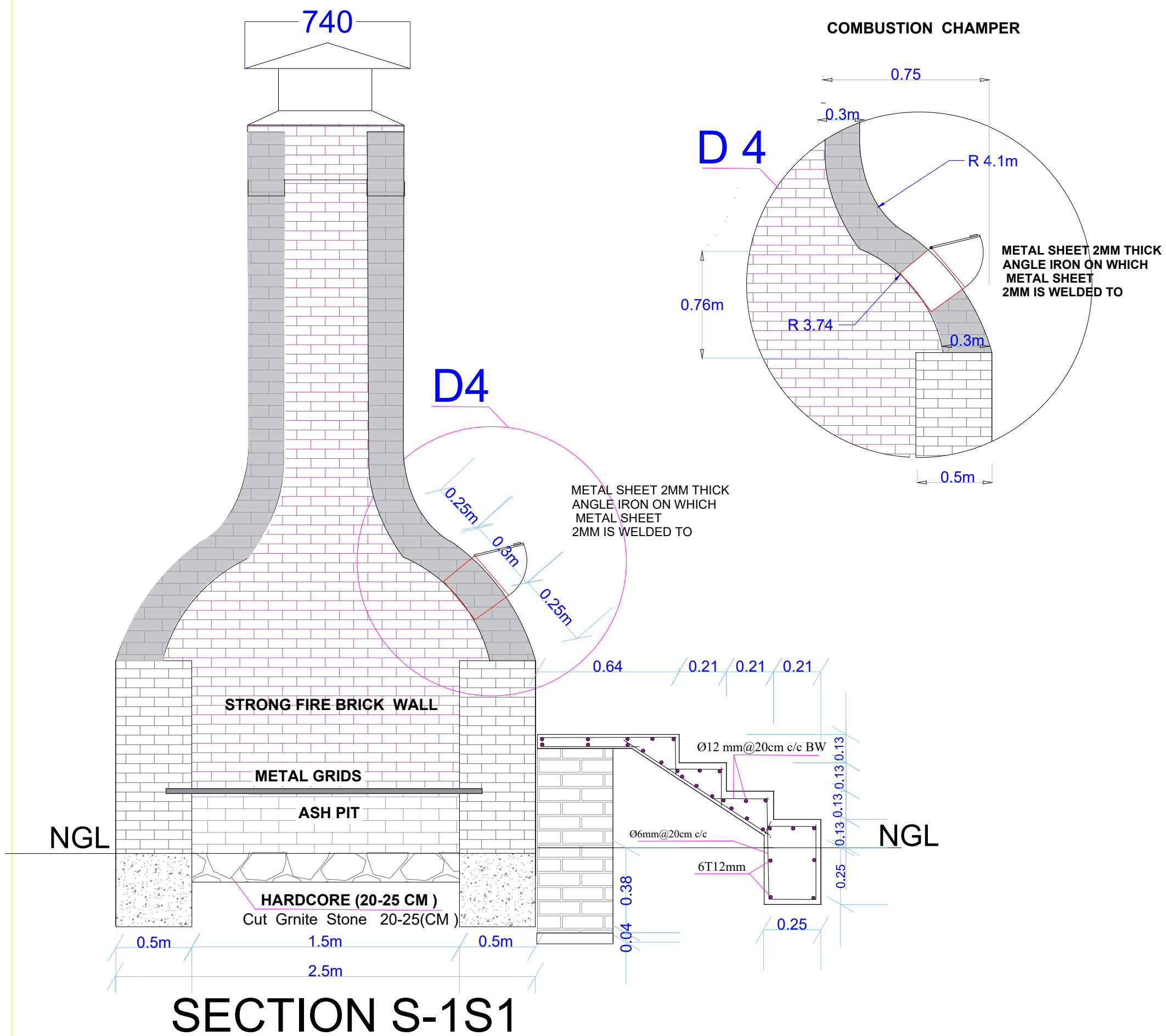
Designed by. : Eng. HASHIM M. HAMID from GOSHEN/DEE

Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN/DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

Approved by: Eng. FATHI MOHAMMED IOM

Drawing Titel	Incinerator section S1-S1 Prefabricated ICU, HDU, Isolation Wards OF AI HASAHISA HOSPITAL	SHEET NO. 17	
---------------	---	--------------------	--



Donated by.

Implemented by.

Project Title:

Project Implemented by :

Ref.	Date.	Description	Approval

Designed by : Eng. HASHIM M. HAMID from GOSHEN'DEE

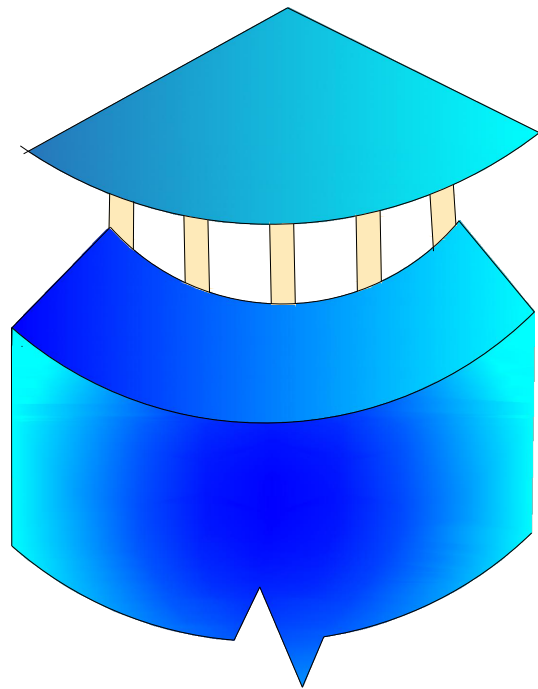
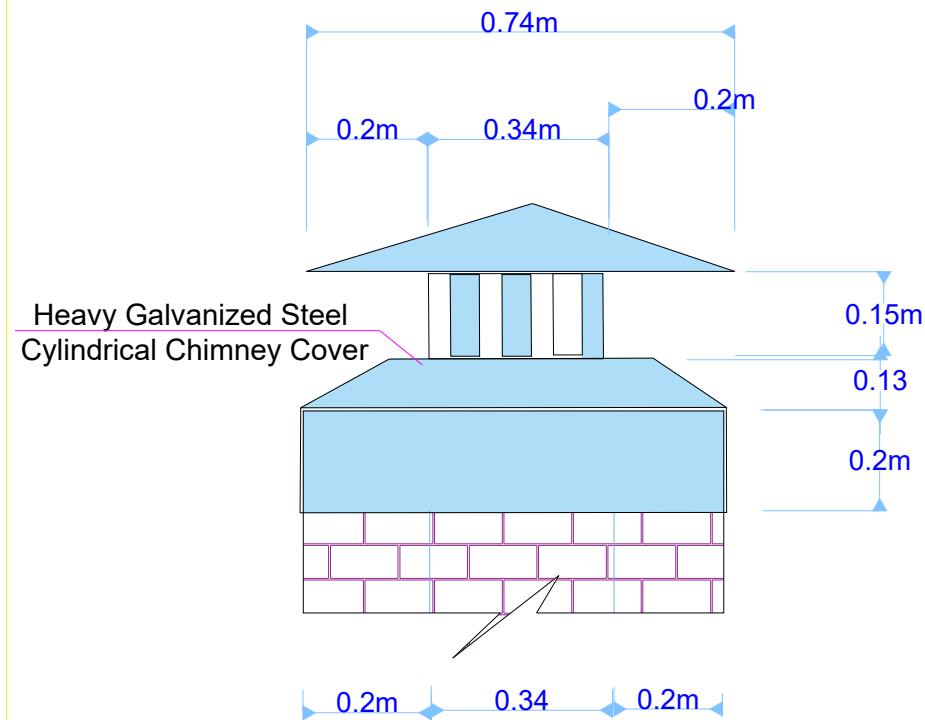
Checked by : Prof. Siddig E.Ahmed /Eng. Hagos Tadesse GOSHEN'DEE

Reviewed by : Eng. Mohamed I. Khalil IOM

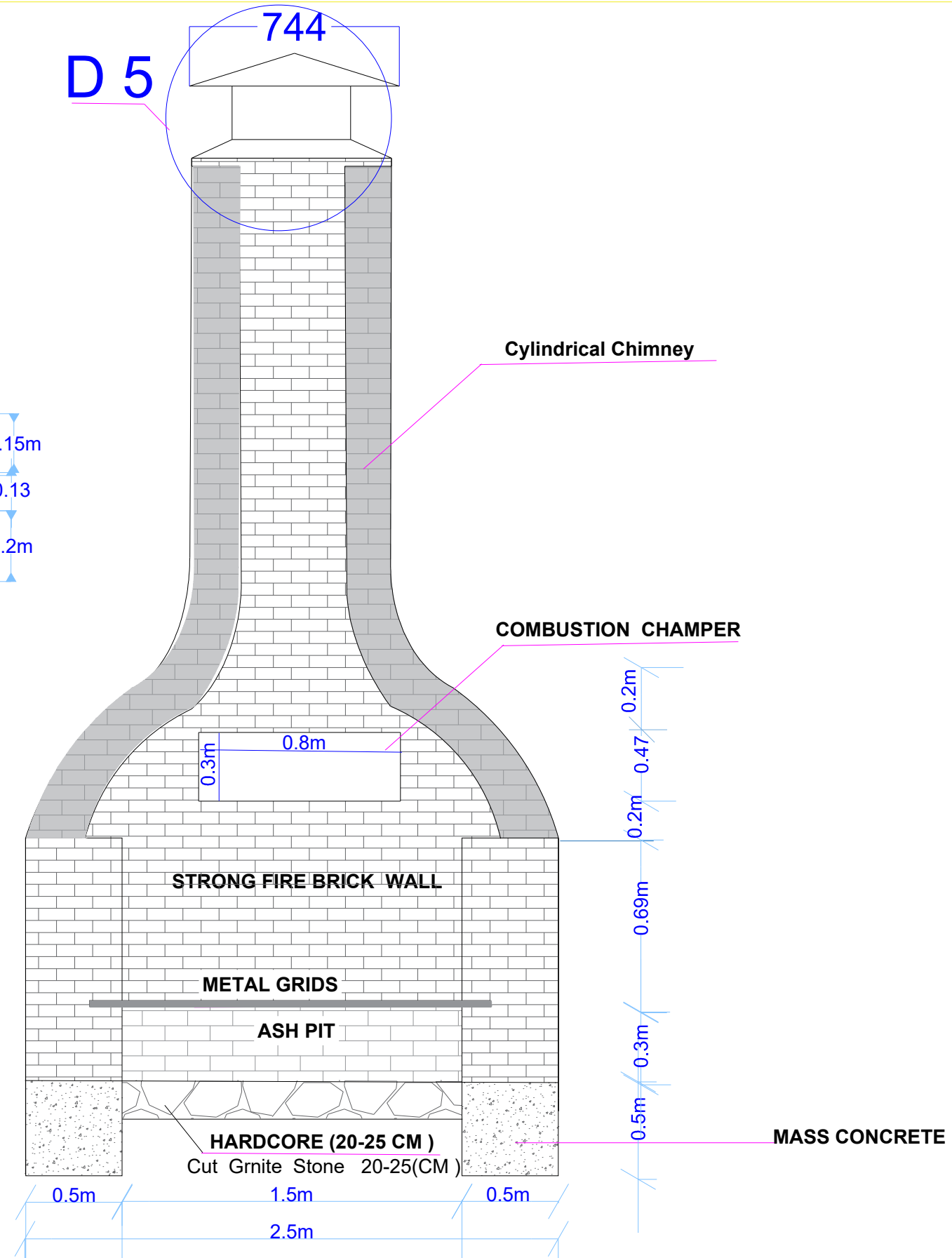
Approved by : Eng. FATHI MOHAMMED IOM

Drawing Title.	Incinerator section S1-S1 for Prefabricated ICU, HDU, Isolation Wards OF AI HASAHISA HOSPITAL	SHEET NO. 18	
----------------	---	------------------------	--

D 5 Chimney Cover Details



Chimney Cover View



SECTION S2-S2

Donated by.



Implemented by.



Project Title:

Sudan Integrated Social Sector Infrastructure Rehabilitation Project (SISSIR)

Project Implemented by :

International Organization For migration (IOM Sudan)

Ref.	Date.	Description	Approval
Designed by : Eng. HASHIM M. HAMID from GOSHEN/DEE			
Checked by : Prof. Siddig E. Ahmed /Eng. Hagos Tadesse GOSHEN/DEE			
Reviewed by : Eng. Mohamed I. Khalil IOM			
Approved by : Eng. FATHI MOHAMMED IOM			
Drawing Title: Incinerator section S2-S2 for Prefabricated ICU, HDU, Isolation Wards OF AI HASAHISA HOSPITAL			SHEET NO. 19