



RFQ No.:PAL-0000109896

**Project Name: Constructing Medical Waste Treatment  
Facility in Gaza Governorate  
Temporary Site**

**Drawings**

July, 2020



United Nations Development Programme  
Programme of Assistance to the Palestinian People



مجلس الخدمات المشترك  
لإدارة النفايات الصلبة  
في محافظتي غزة والشمال

# Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)

ITB:

مركز الهندسة والتخطيط  
center for engineering and planning



JULY 2020

Constructing of Medical Waste Treatment  
Facility in Gaza and North Governorates  
**(Temporary Site)**

ITB:

ARCHITECTURAL DRAWINGS

MWTF-TS-AR-001 → MWTF-TS-AR-010

# Architectural Drawings List

Drawing #	Drawing Title
MWTF-TS-AR-001	Architectural Drawings List
MWTF-TS-AR-002	Shed Plan
MWTF-TS-AR-003	Shed Furnishing Plan
MWTF-TS-AR-004	Shed Top View
MWTF-TS-AR-005	Southern & Western Elevations
MWTF-TS-AR-006	Northern & Eastern Elevations
MWTF-TS-AR-007	Gate & Windows Details 1-4
MWTF-TS-AR-008	Gate & Windows Details 2-4
MWTF-TS-AR-009	Gate & Windows Details 3-4
MWTF-TS-AR-010	Gate & Windows Details 4-4

FOR TENDER  
ONLY

CLIENT:



CONSULTANT:

مركز الهندسة والتخطيط  
center for engineering and planning

PROJECT NAME:  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

DRAWING TITLE:  
Architectural Drawings  
List

DRAWING NO.:  
MWTF-TS-AR-001

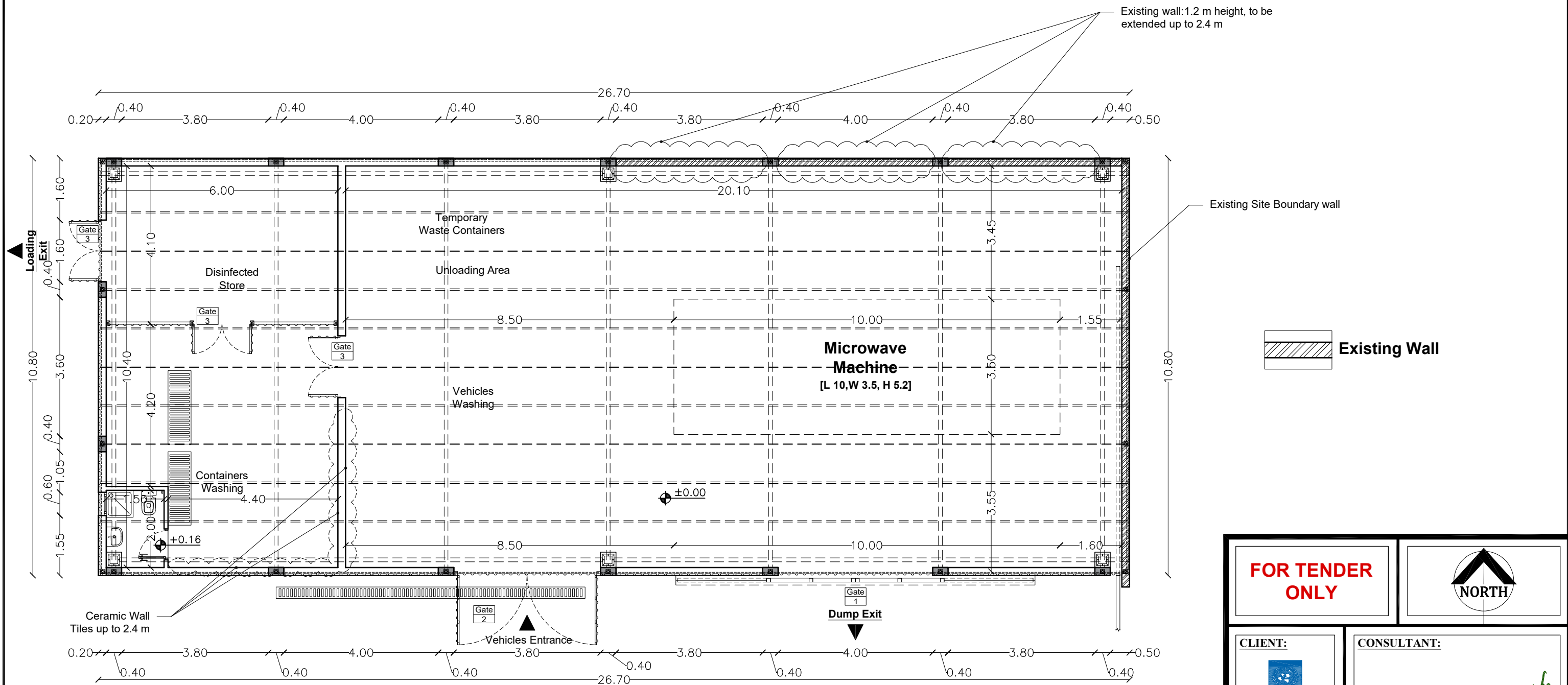
DRAWING SN:

SCALE:

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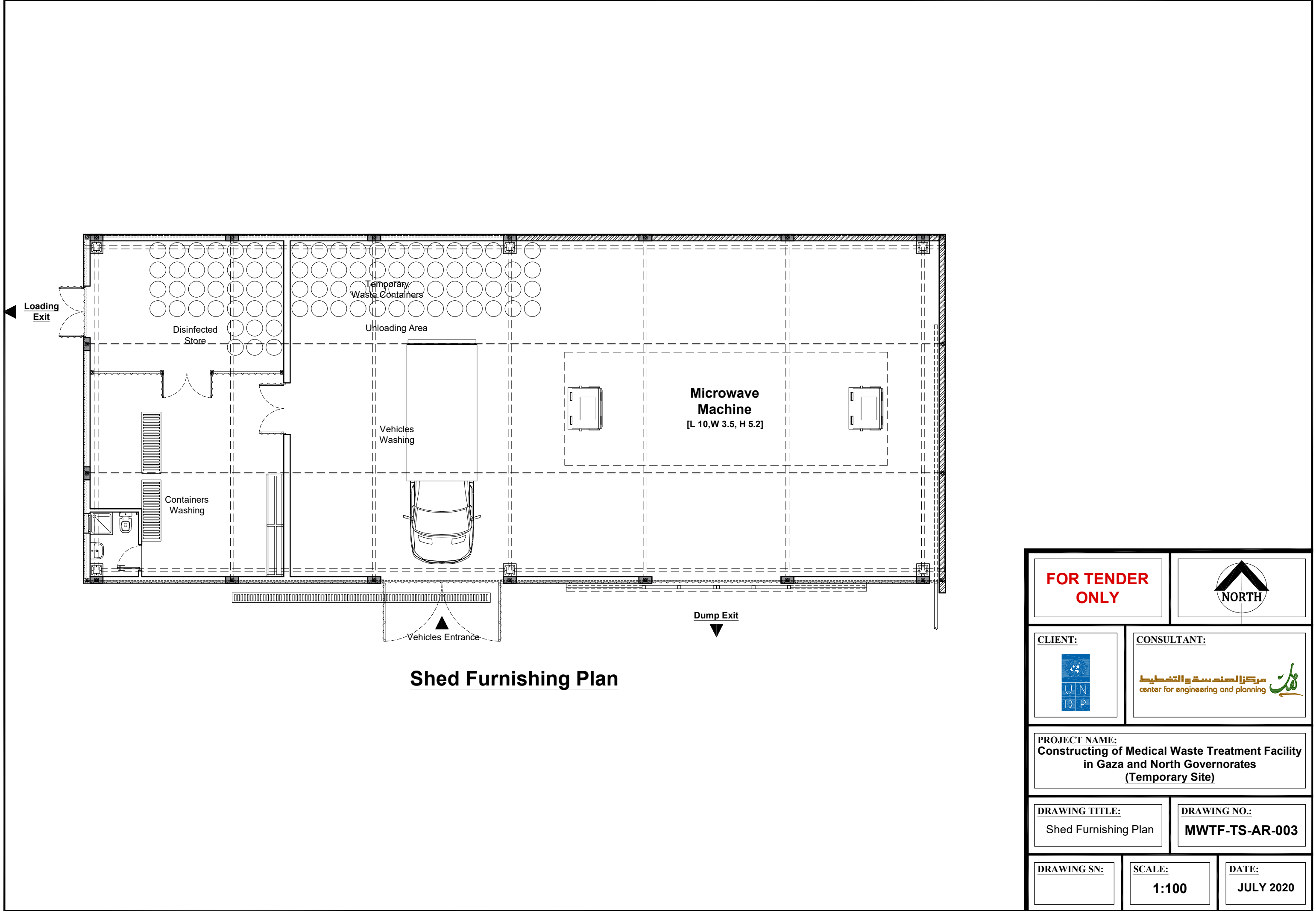
DATE:

JULY 2020

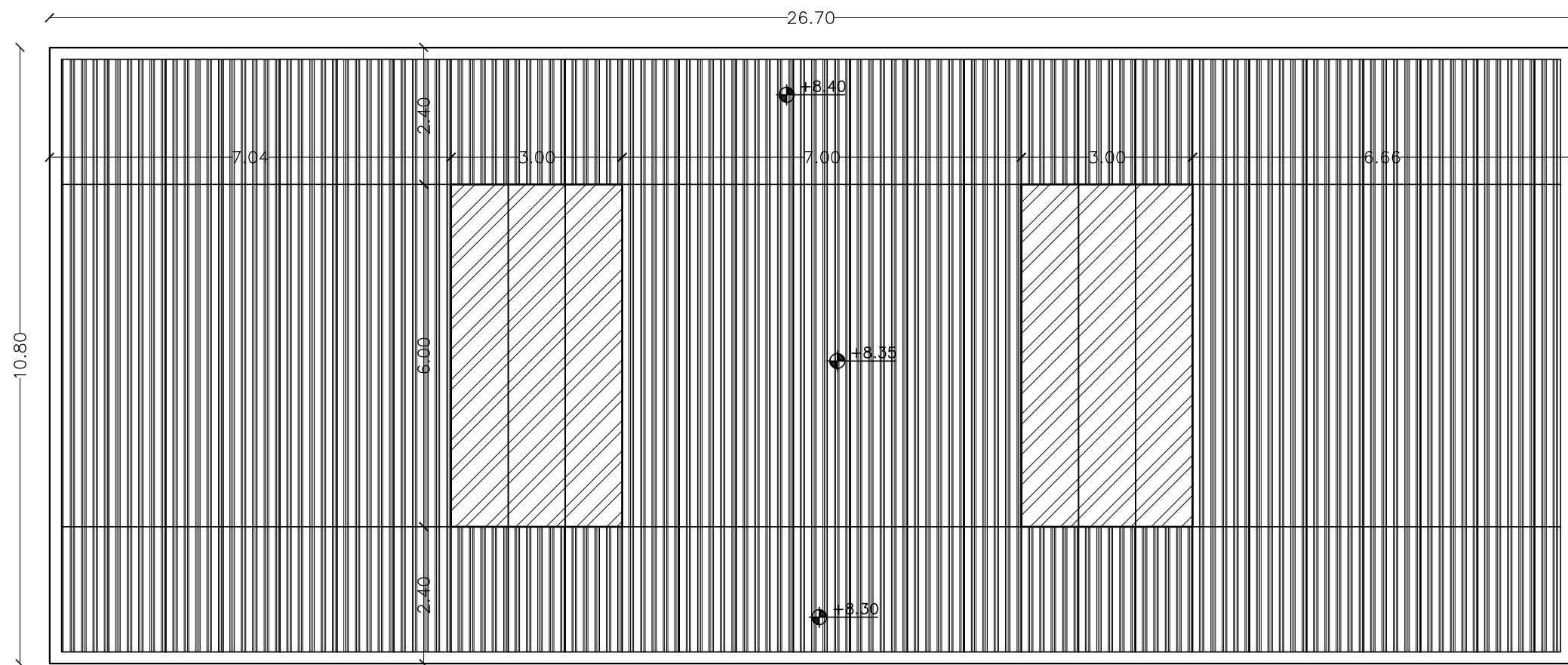


Shed Plan

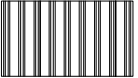

FOR TENDER ONLY		 NORTH	
CLIENT: 		CONSULTANT:  center for engineering and planning	
PROJECT NAME: Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)			
DRAWING TITLE: Shed Plan		DRAWING NO.: MWTF-TS-AR-002	
DRAWING SN:	SCALE: 1:100	DATE: JULY 2020	



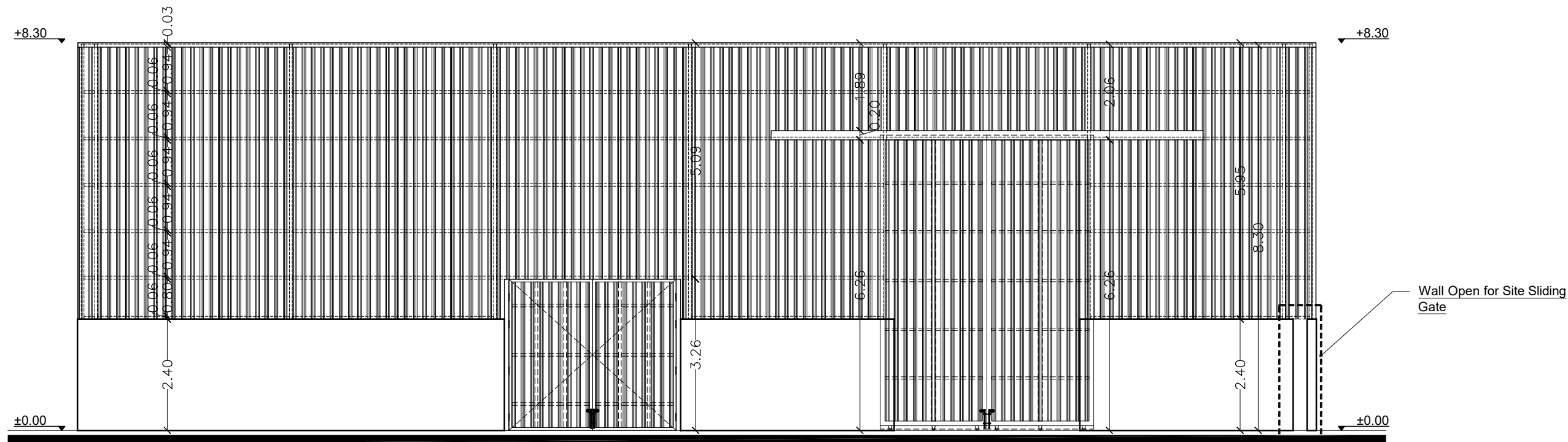
<b>FOR TENDER ONLY</b>		 <b>NORTH</b>	
<b>CLIENT:</b> 		<b>CONSULTANT:</b>  center for engineering and planning	
<b>PROJECT NAME:</b> Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)			
<b>DRAWING TITLE:</b> Shed Furnishing Plan		<b>DRAWING NO.:</b> <b>MWTF-TS-AR-003</b>	
<b>DRAWING SN:</b>  	<b>SCALE:</b> <b>1:100</b>	<b>DATE:</b> <b>JULY 2020</b>	



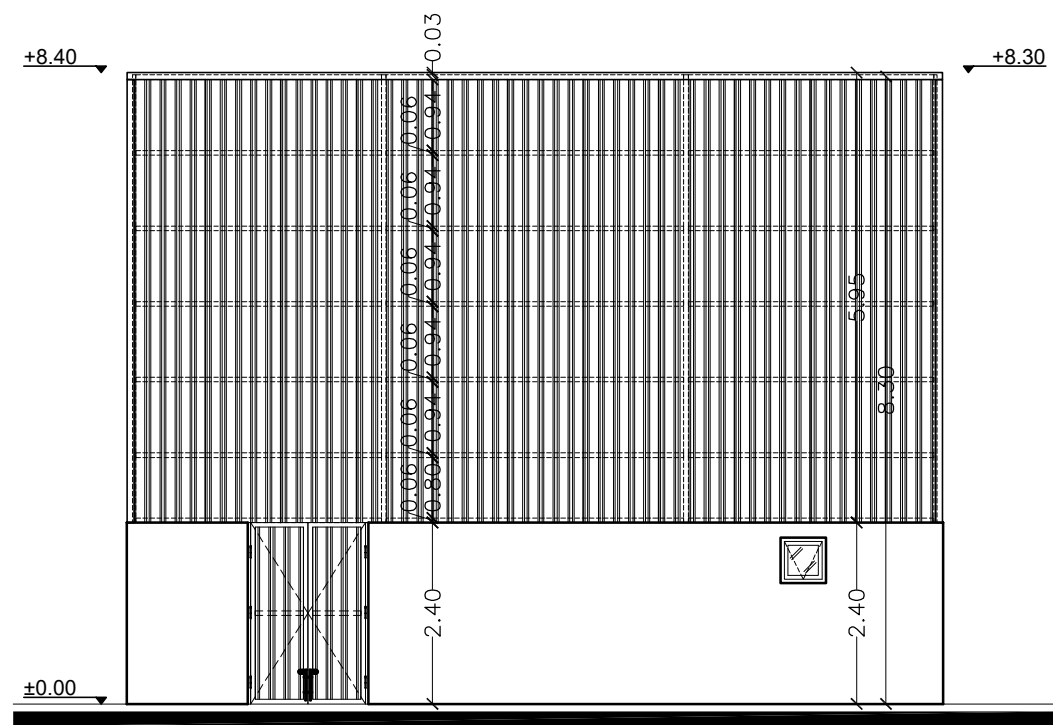
**Shed Top View**

-  Galvanized Steel Corrugated sheet
-  Sky light transparent Polycarbonate Corrugated sheets


<b>FOR TENDER ONLY</b>		 NORTH	
<b>CLIENT:</b> 		<b>CONSULTANT:</b>  center for engineering and planning	
<b>PROJECT NAME:</b> Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)			
<b>DRAWING TITLE:</b> Shed Top View		<b>DRAWING NO.:</b> MWTF-TS-AR-004	
<b>DRAWING SN:</b> 	<b>SCALE:</b> 1:100	<b>DATE:</b> JULY 2020	



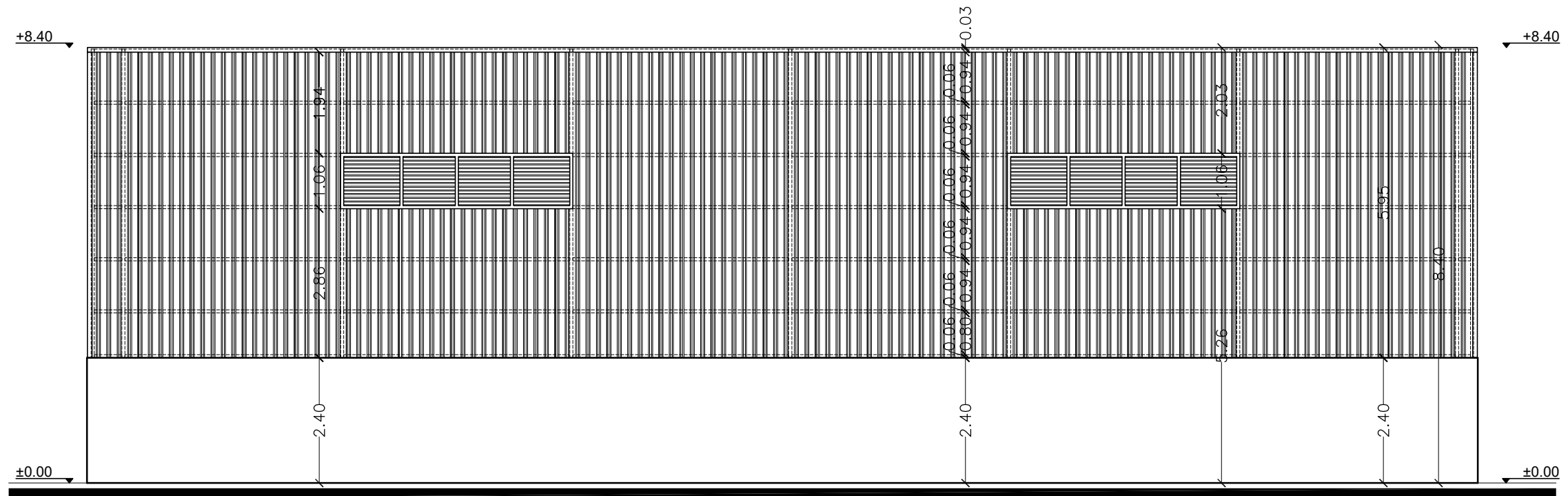
Southern Elevation



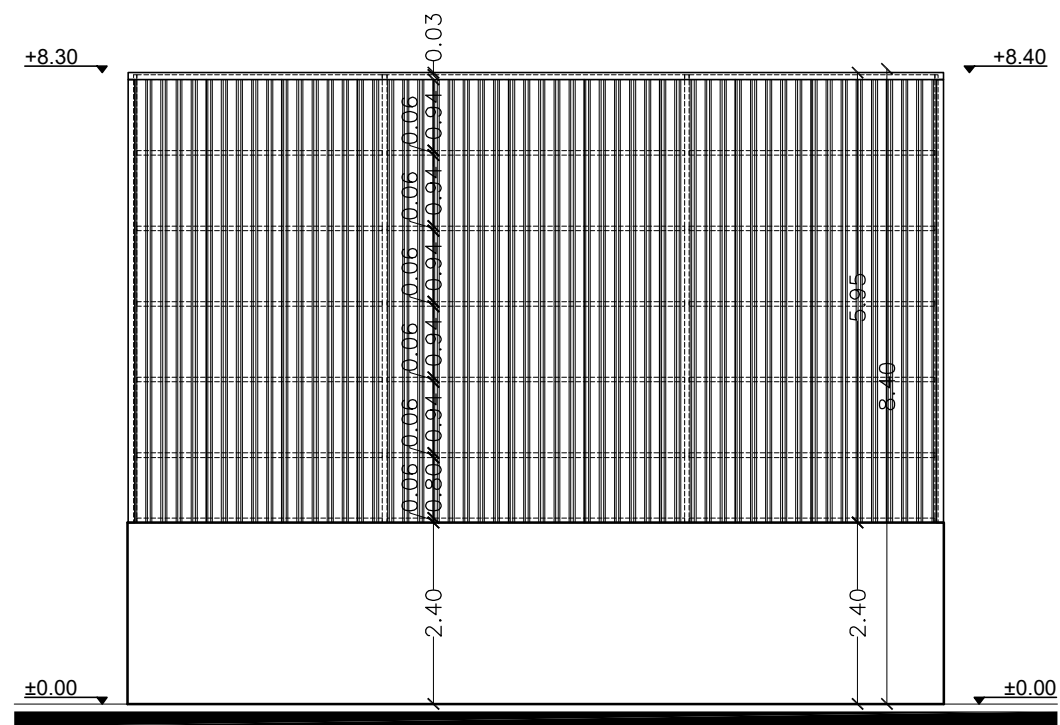
Western Elevation

FOR TENDER ONLY		
CLIENT: 	CONSULTANT: <div>مركز الهندسة والتخطيط center for engineering and planning</div> 	
PROJECT NAME: Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)		
DRAWING TITLE: Southern & Western Elevations	DRAWING NO.: MWTF-TS-AR-005	
DRAWING SN:	SCALE: 1:100	DATE: JULY 2020





Northern Elevation



Eastern Elevation

**FOR TENDER  
ONLY**

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**CONSULTANT:**

مركز الهندسة والتخطيط  
center for engineering and planning

**PROJECT NAME:**  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

**DRAWING TITLE:**  
Northern & Eastern  
Elevations

**DRAWING NO.:**  
MWTF-TS-AR-006

**DRAWING SN:**

**SCALE:**  
1:100

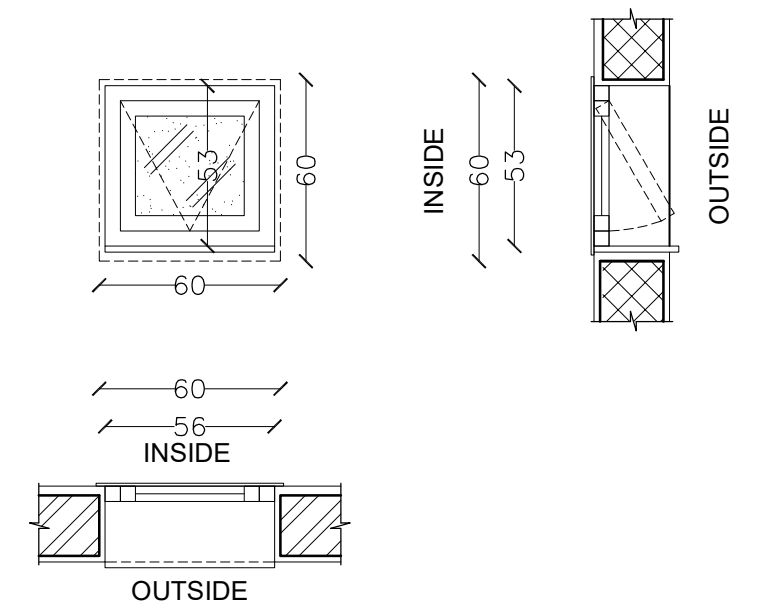
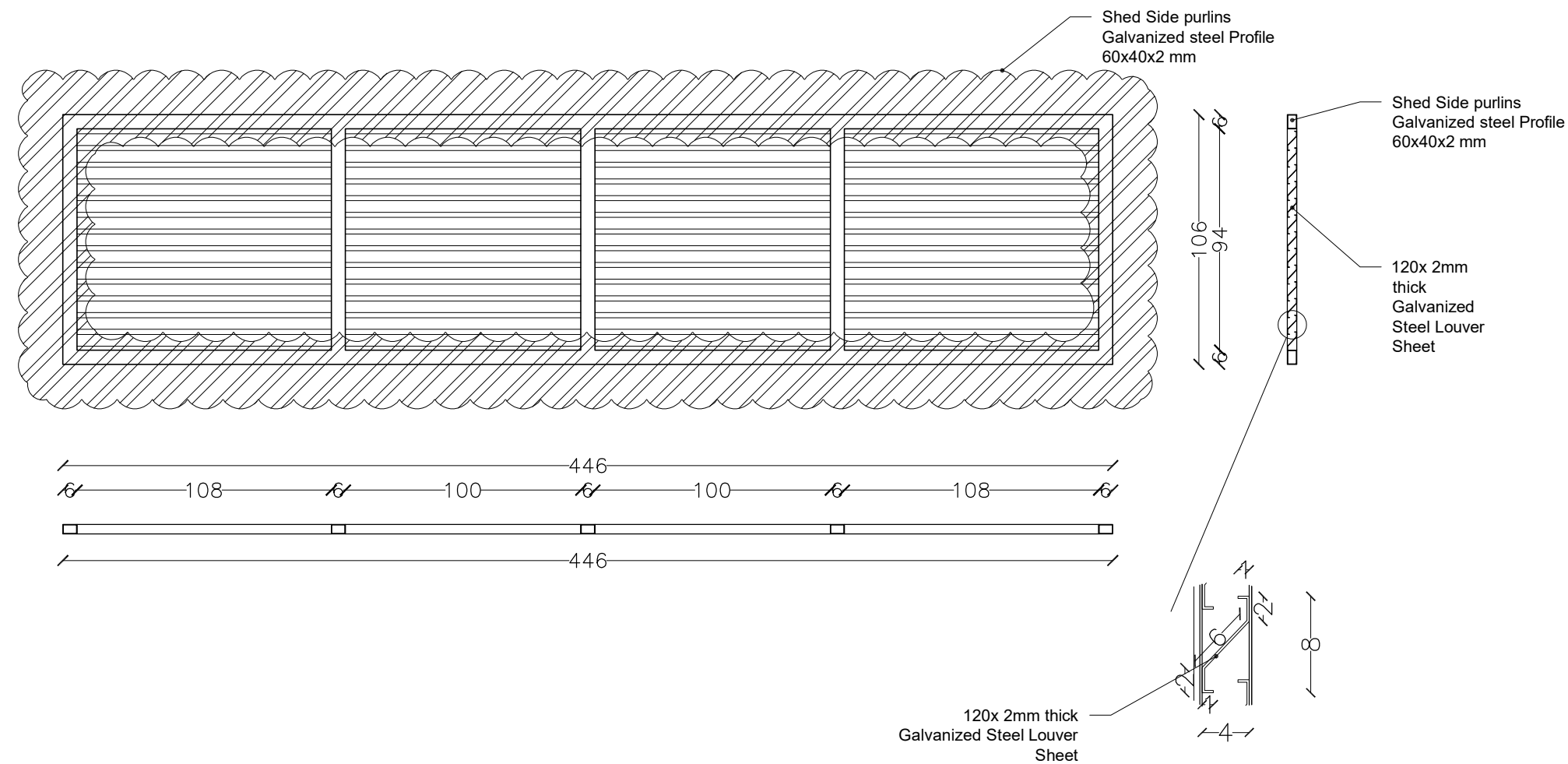
**DATE:**  
JULY 2020

## Shed Louver Steel Windows Details

Scale 1:25

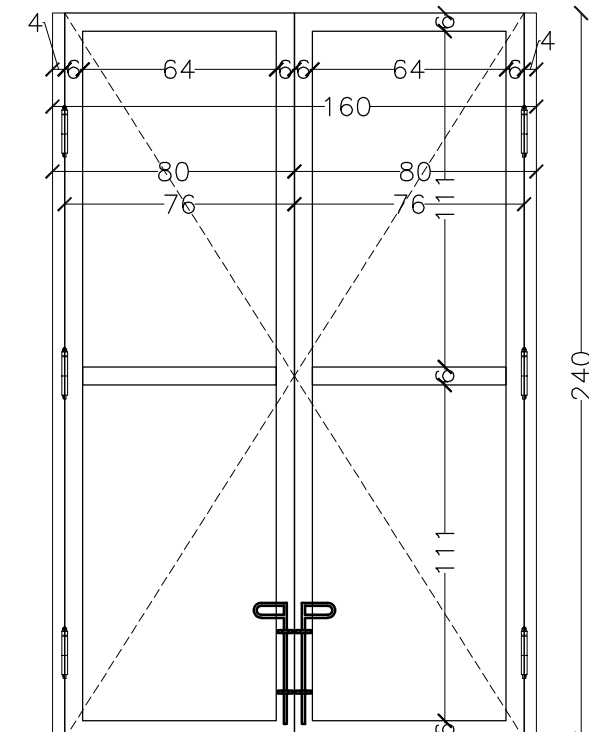
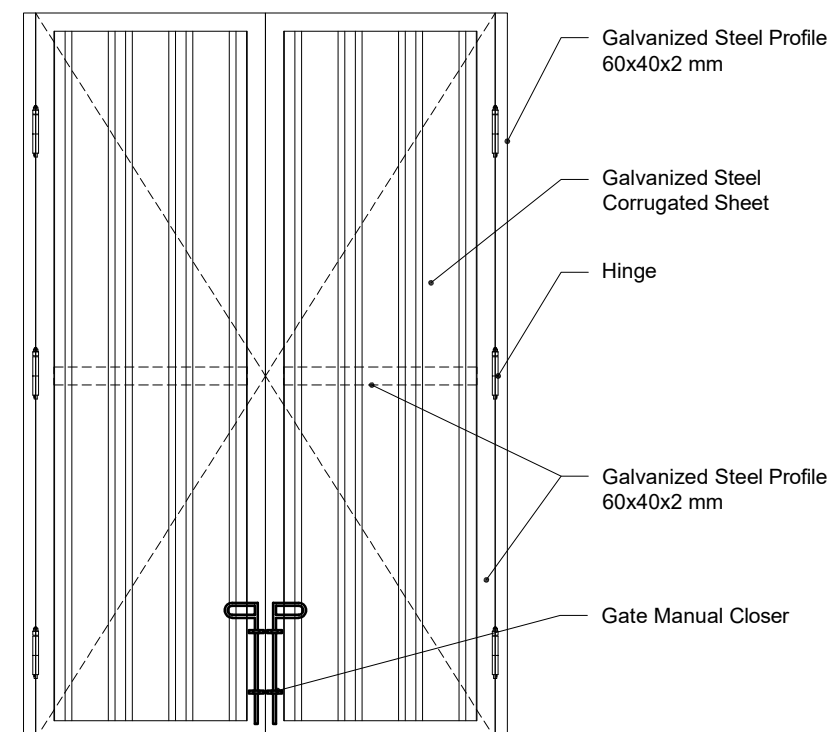
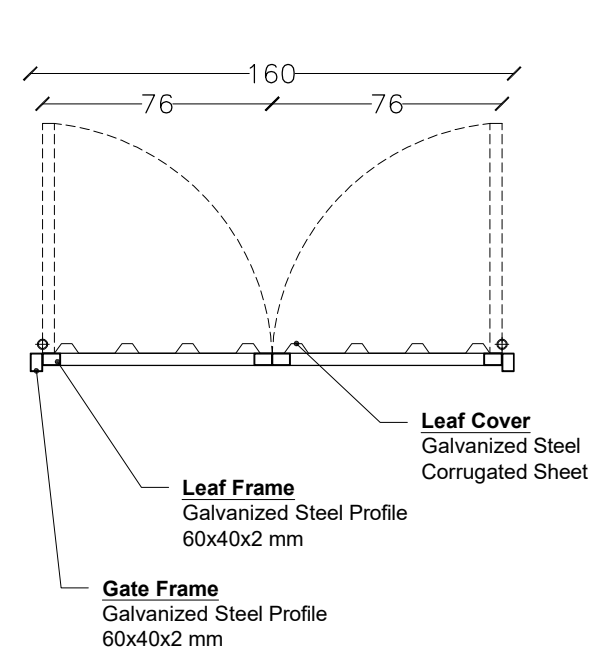
## Toilet Window Details

Scale 1:25



## Steel Gate 3 Details

Scale 1:25



**FOR TENDER  
ONLY**

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مركز الهندسة والتخطيط  
center for engineering and planning

**PROJECT NAME:**  
**Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)**

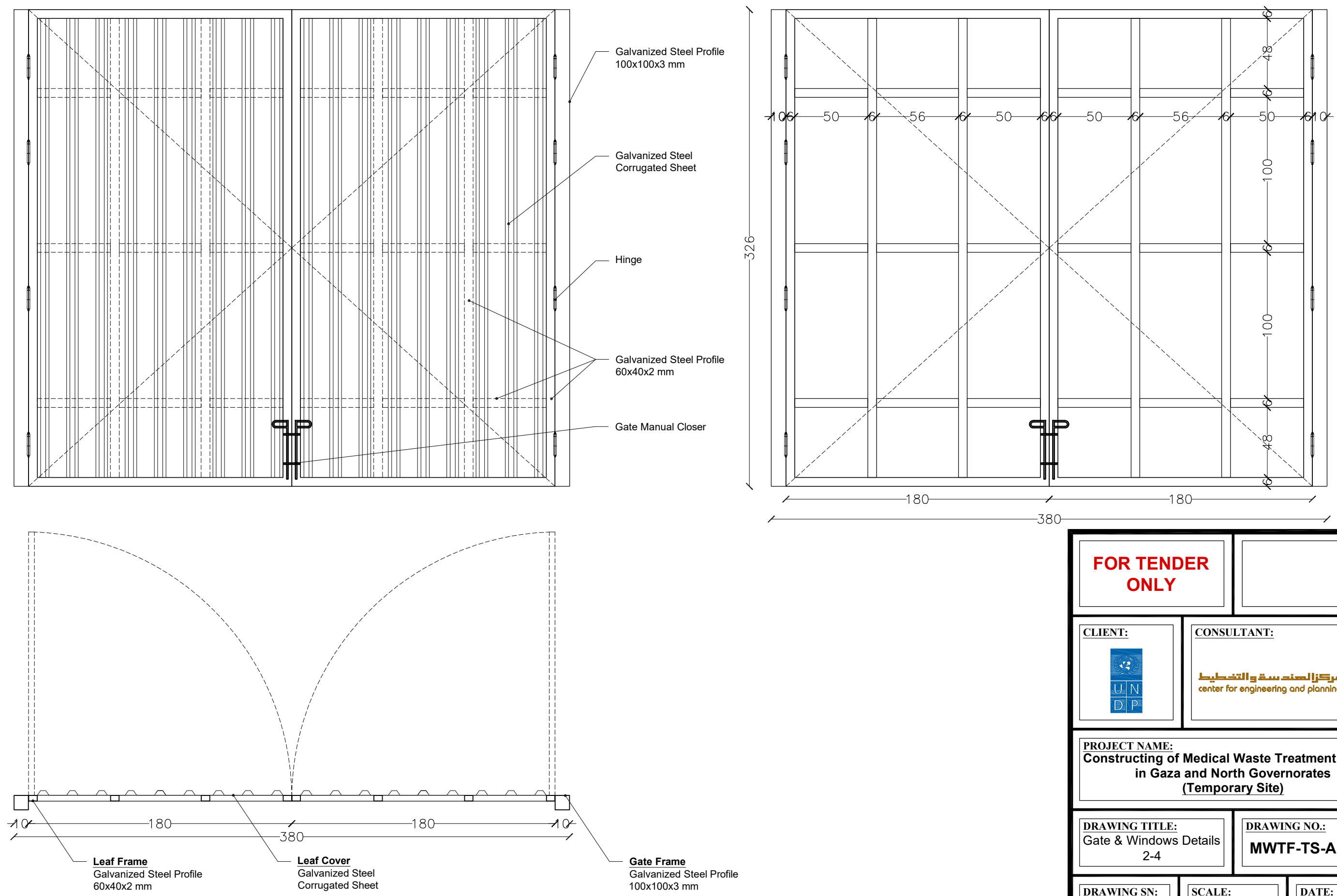
**DRAWING TITLE:**  
Gate & Windows Details  
1-4

**DRAWING NO.:**  
**MWTF-TS-AR-007**

**DRAWING SN:**

**SCALE:**  
**As Shown**

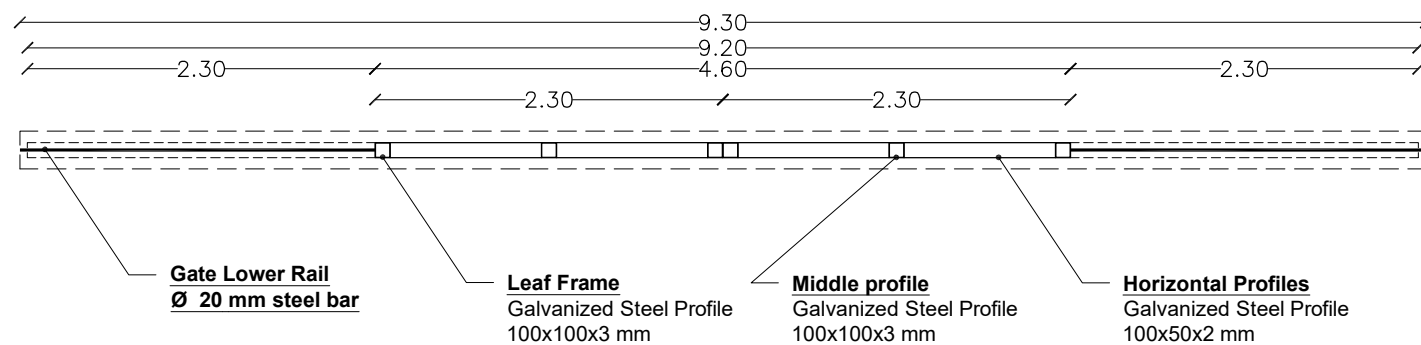
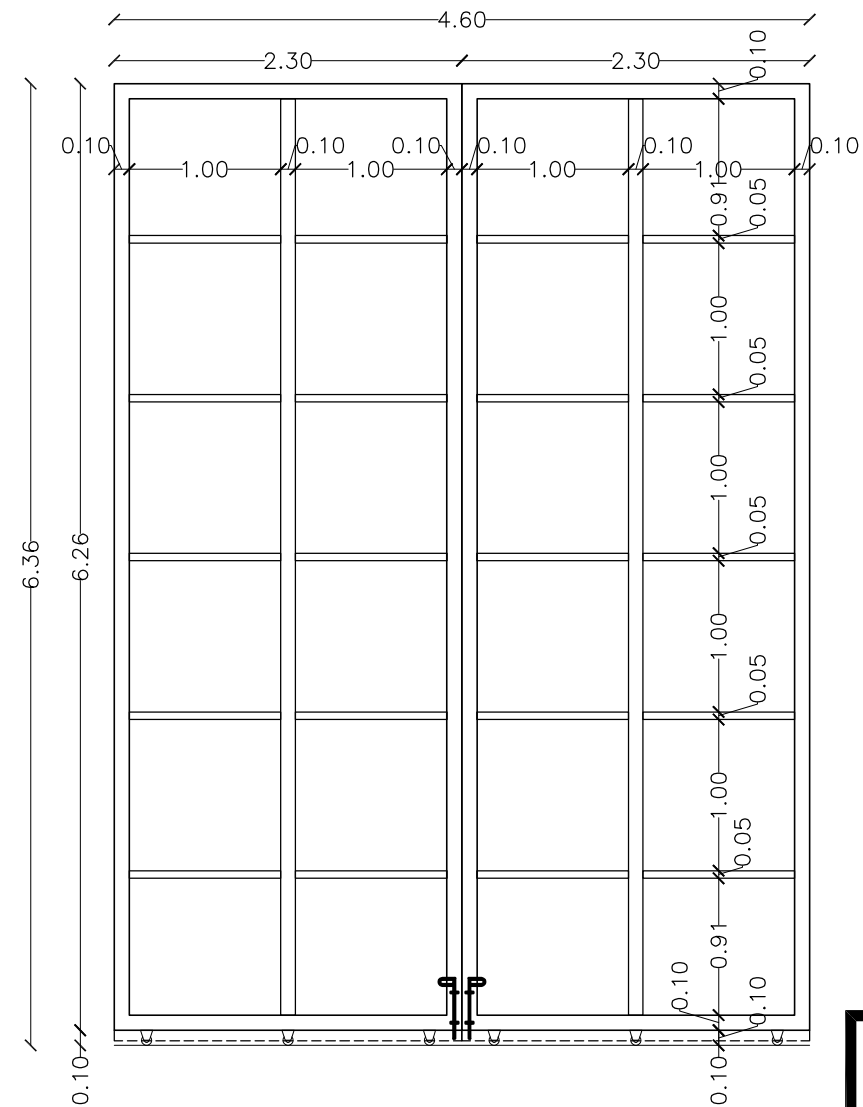
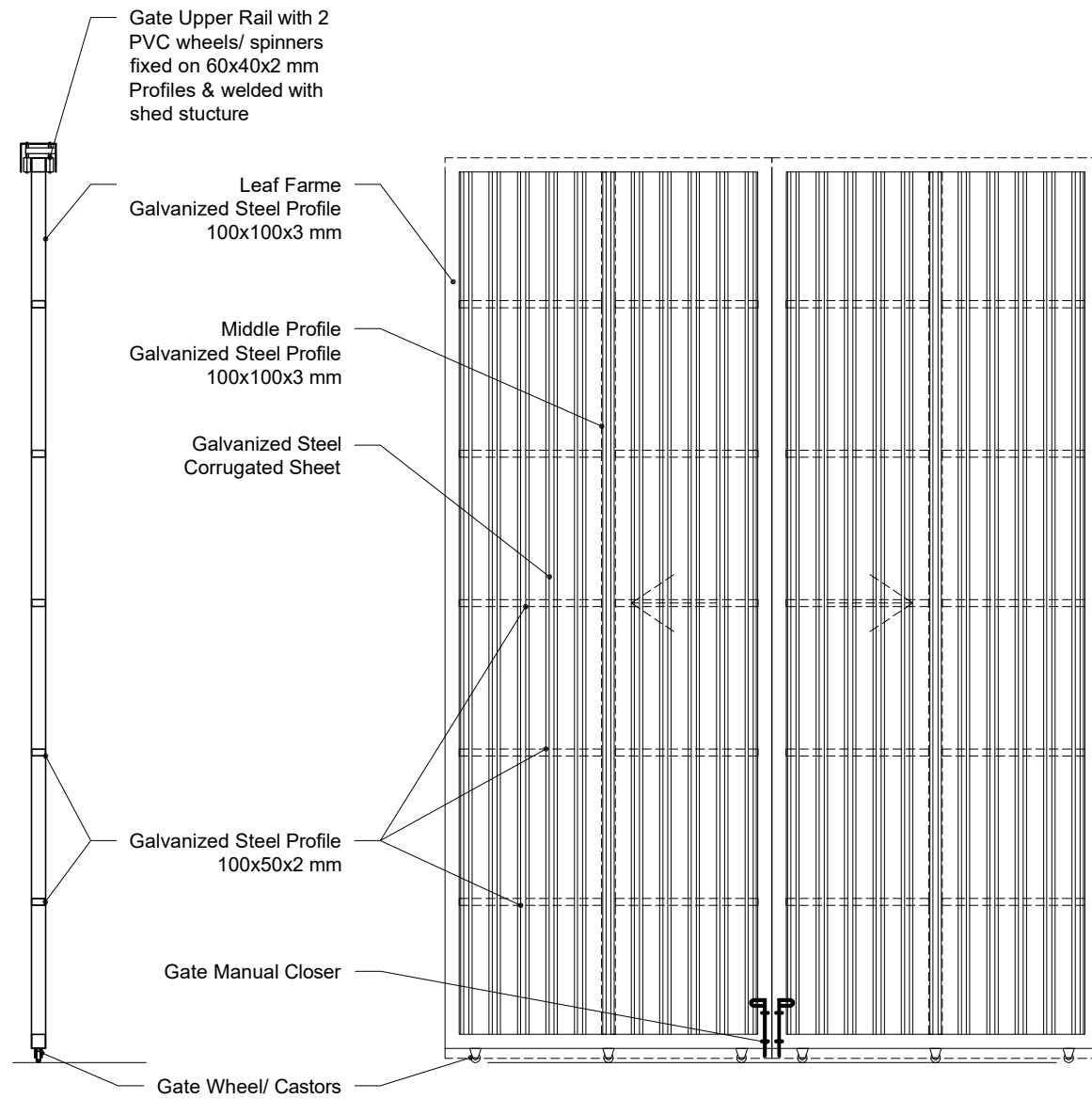
**DATE:**  
**JULY 2020**



FOR TENDER ONLY		
CLIENT: 	CONSULTANT: 	
PROJECT NAME: Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)		
DRAWING TITLE: Gate & Windows Details 2-4	DRAWING NO.: MWTF-TS-AR-008	
DRAWING SN:	SCALE: As Shown	DATE: JULY 2020

## Steel Sliding Gate 1 Details

Scale 1:50



**FOR TENDER  
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**CONSULTANT:**

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**PROJECT NAME:**  
**Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)**

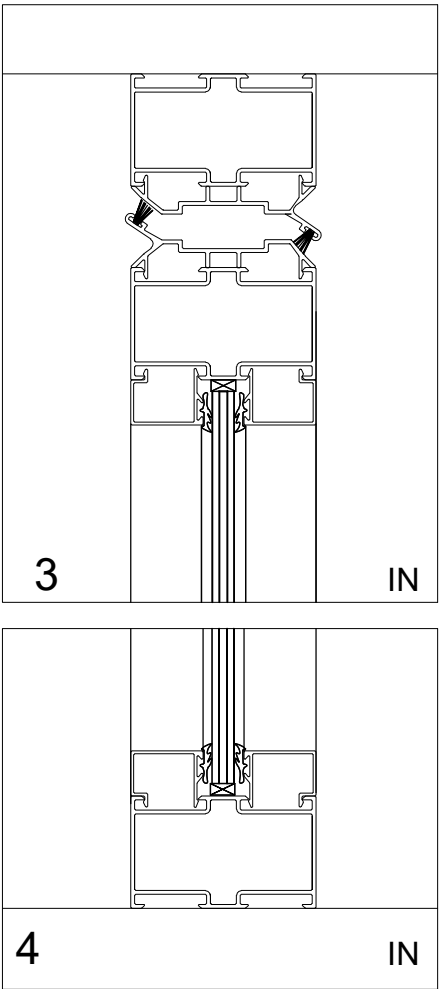
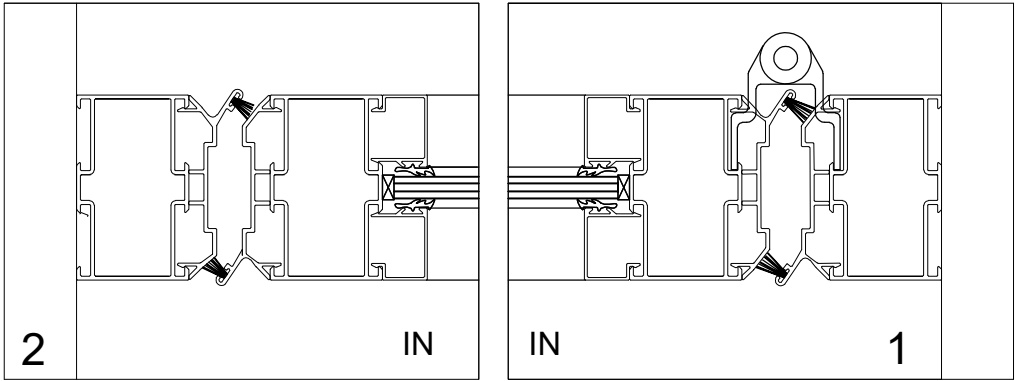
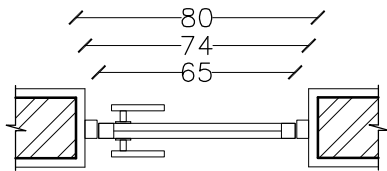
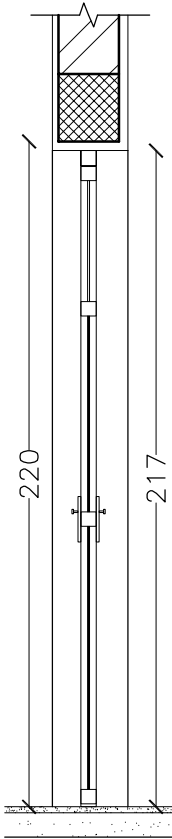
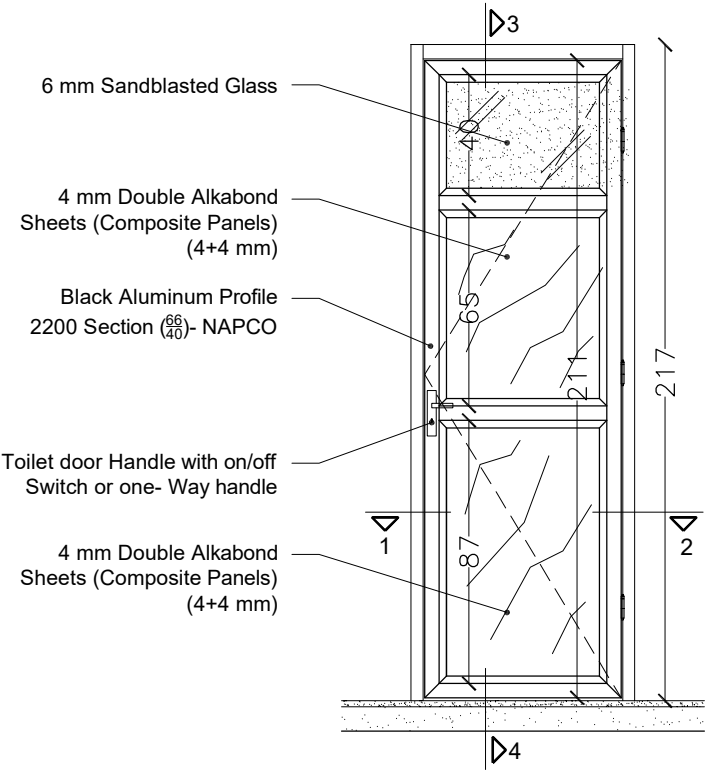
**DRAWING TITLE:**  
Gate & Windows Details  
3-4

**DRAWING NO.:**  
**MWTF-TS-AR-009**

**DRAWING SN:**

**SCALE:**  
**As Shown**

**DATE:**  
**JULY 2020**



**FOR TENDER  
ONLY**

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center for engineering and planning

**PROJECT NAME:**  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

**DRAWING TITLE:**  
Gate & Windows Details  
4-4

**DRAWING NO.:**  
MWTF-TS-AR-010

**DRAWING SN:**

**SCALE:**  
As Shown

**DATE:**  
JULY 2020

Constructing of Medical Waste Treatment  
Facility in Gaza and North Governorates  
**(Temporary Site)**

ITB:

STRUCTURAL DRAWINGS  
MWTF-TS-ST-001 → MWTF-TS-ST-004

Structural Drawings List

Drawing #	Drawing Title
MWTF-TS-ST-001	Structural Drawings List
MWTF-TS-ST-002	Roof Framing Layout
MWTF-TS-ST-003	Section of Trusses
MWTF-TS-ST-004	Details (1/3)
MWTF-TS-ST-005	Details (2/3)
MWTF-TS-ST-006	Details (3/3)

FOR TENDER  
ONLY

CLIENT:



CONSULTANT:

مركز الهندسة والتخطيط  
center for engineering and planning

PROJECT NAME:  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

DRAWING TITLE:  
Structural Drawings List

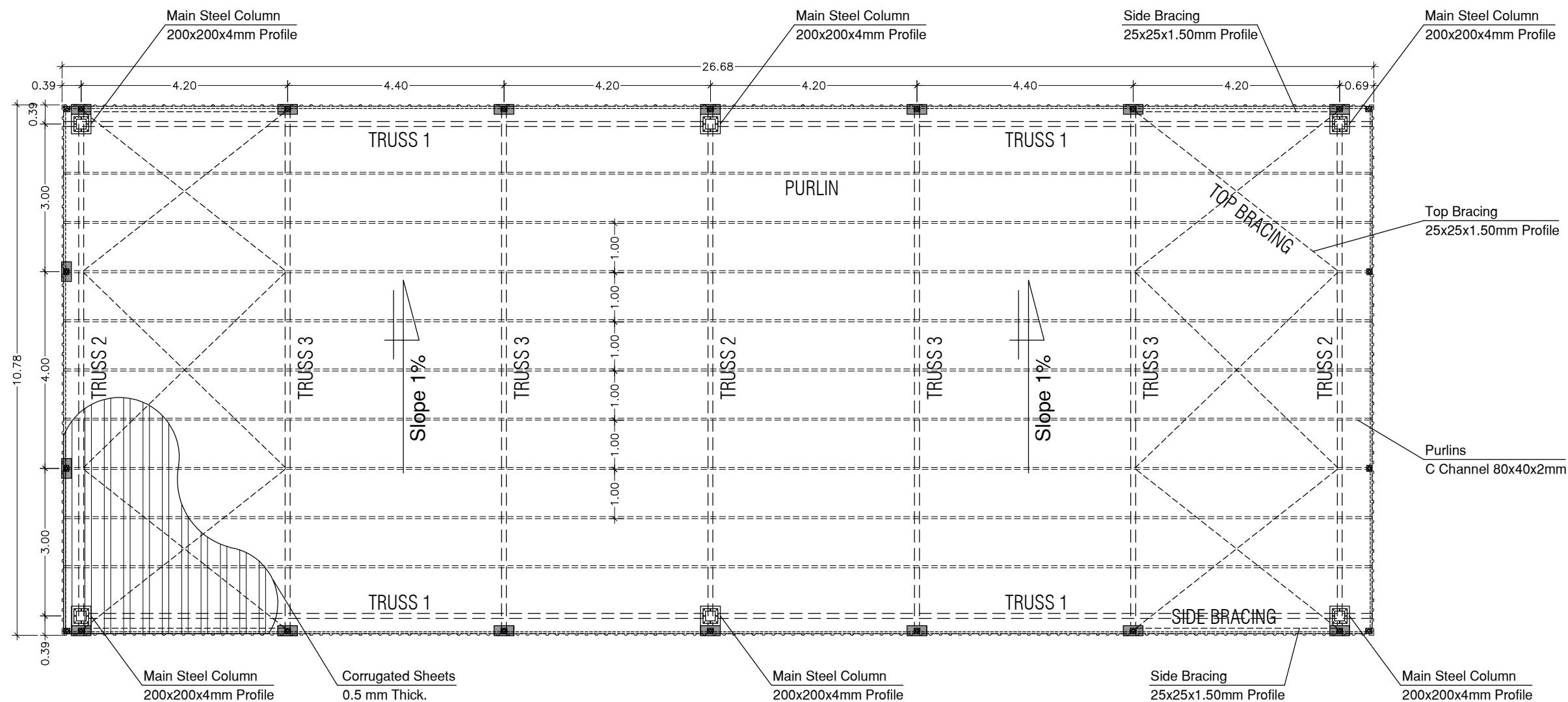
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MWTF-TS-ST-001

DRAWING SN:

SCALE:

DATE:

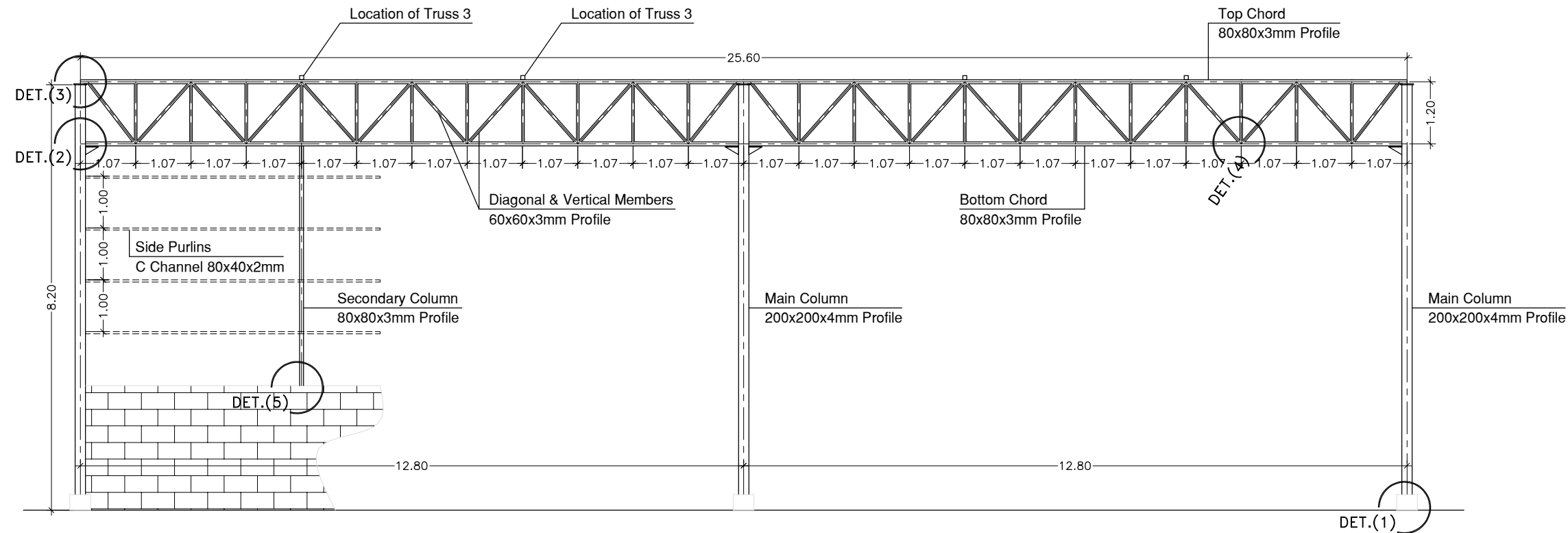
JULY 2020



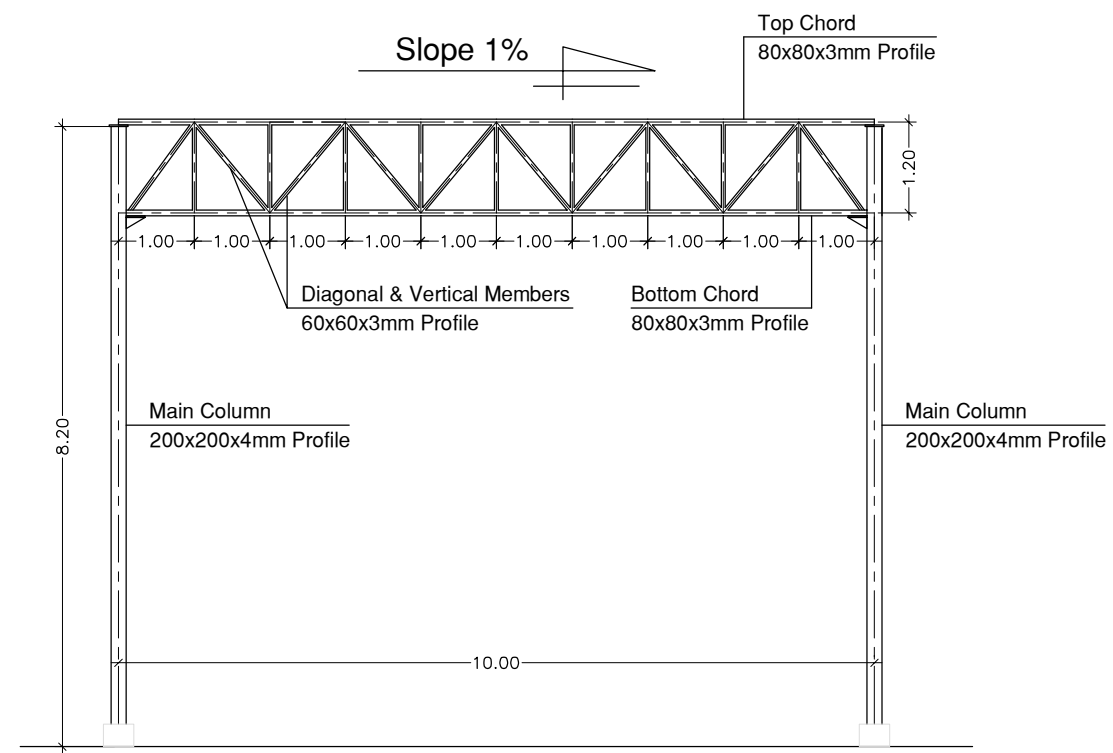
**ROOF FRAMING LAYOUT**  
SCALE 1:100

<b>FOR TENDER ONLY</b>		 NORTH	
<b>CLIENT:</b> 		<b>CONSULTANT:</b>  center for engineering and planning	
<b>PROJECT NAME:</b> Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)			
<b>DRAWING TITLE:</b> Roof Framing Layout		<b>DRAWING NO.:</b> MWTF-TS-ST-002	
<b>DRAWING SN:</b> 	<b>SCALE:</b> As Shown	<b>DATE:</b> JULY 2020	

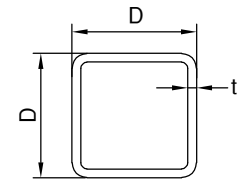




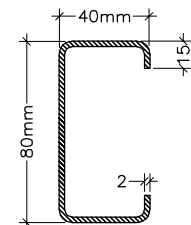
**TRUSS 1 SECTION**  
SCALE 1:100



**TRUSS 2 SECTION**  
SCALE 1:100



PROPERTIES OF TRUSS MEMBERS (PROFILE)			
Member Group	DEPTH D (mm)	Minimum Wall Thickness (t) (mm)	Weight (kg/m)
Main Columns	200	4	24.19
Top and Bottom Chords	80	3	7.22
Diagonal & Vert. Members	60	3	5.34
Secondary Columns	80	3	7.22



PROPERTIES OF THE PURLINS

**FOR TENDER ONLY**



**CLIENT:**  


**CONSULTANT:**  


**PROJECT NAME:**  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

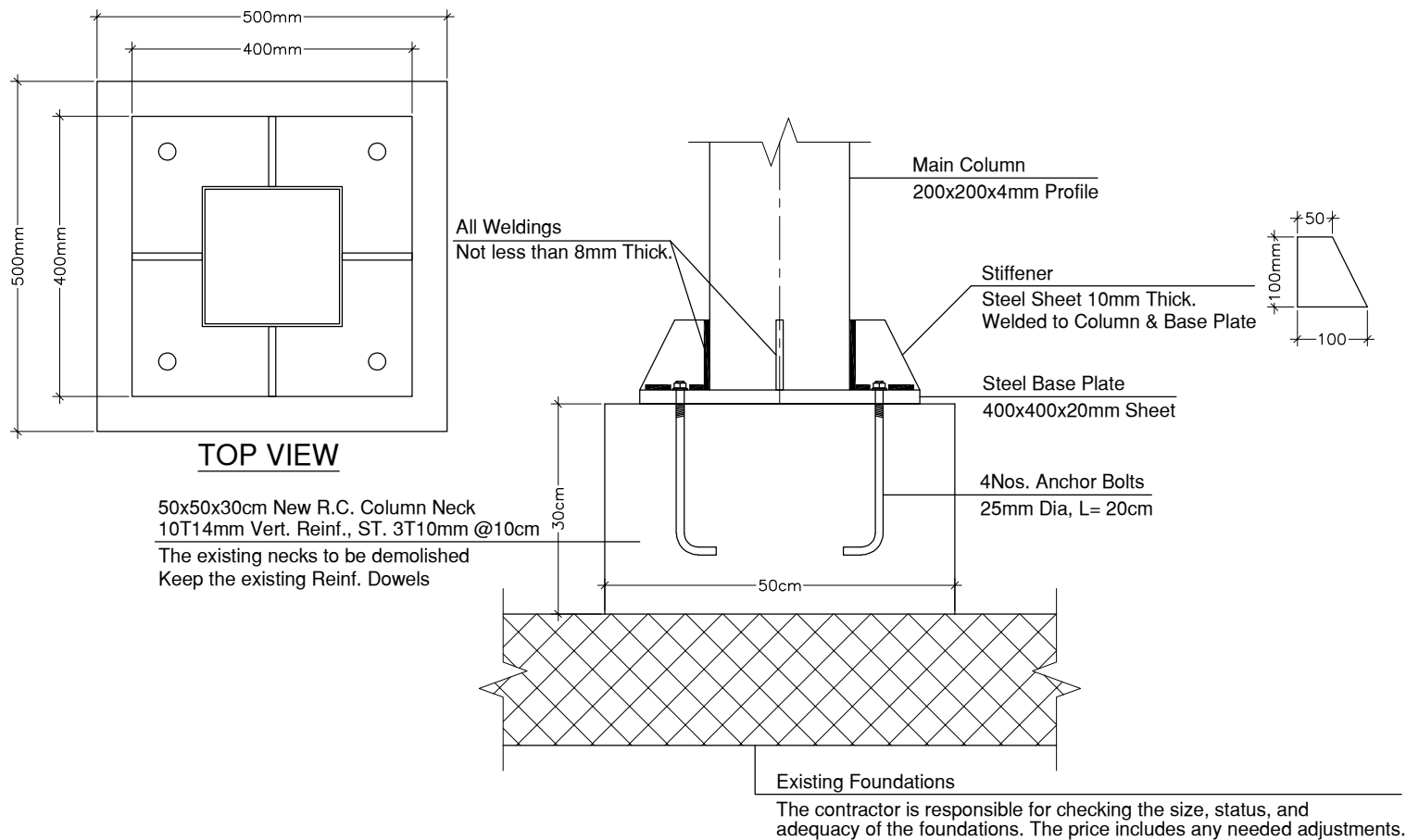
**DRAWING TITLE:**  
Section of Trusses

**DRAWING NO.:**  
MWTF-TS-ST-003

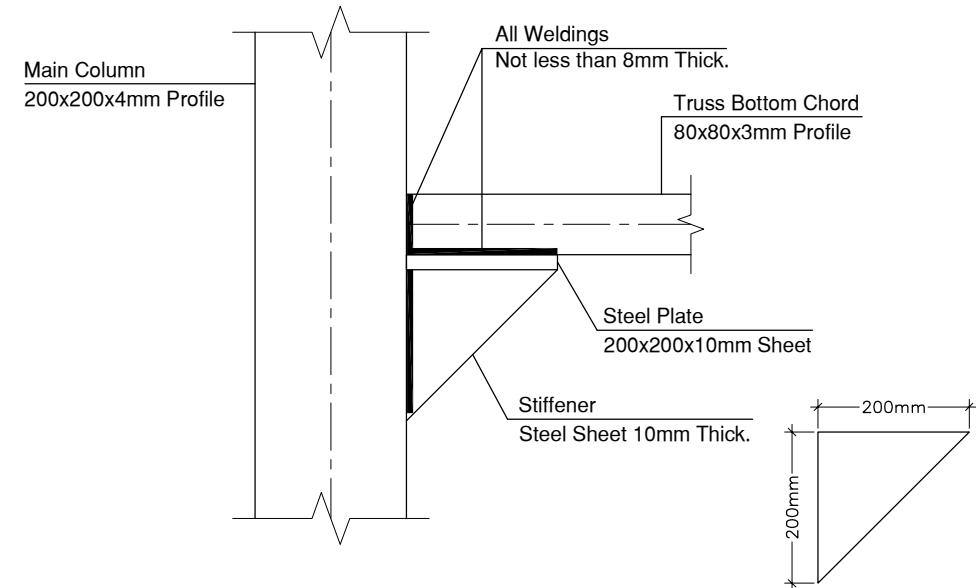
**DRAWING SN:**

**SCALE:**  
As Shown

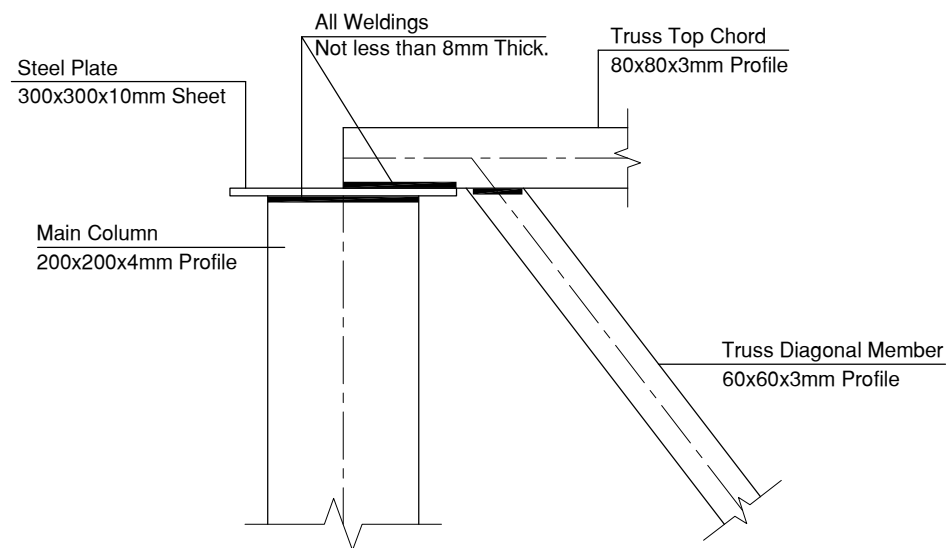
**DATE:**  
JULY 2020



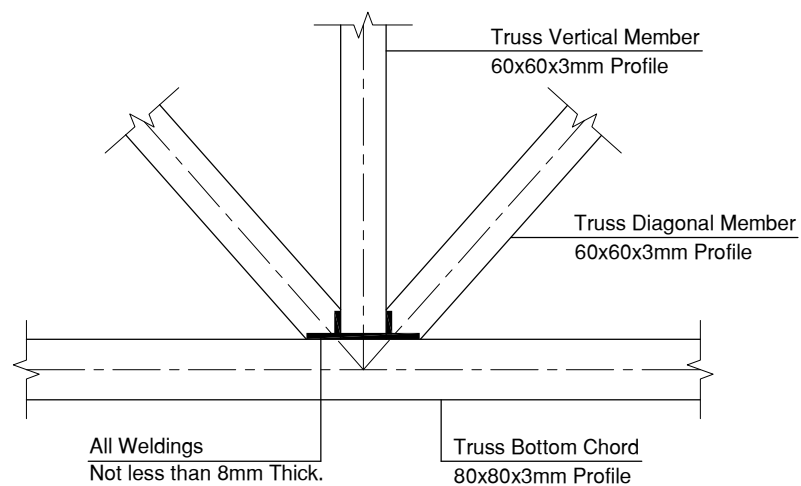
**DETAIL NO. 1**  
SCALE 1:10



**DETAIL NO. 2**  
SCALE 1:10



**DETAIL NO. 3**  
SCALE 1:10



**DETAIL NO. 4**  
SCALE 1:10

**FOR TENDER  
ONLY**



**CLIENT:**



**CONSULTANT:**

مركز الهندسة والتخطيط  
center for engineering and planning

**PROJECT NAME:**  
**Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)**

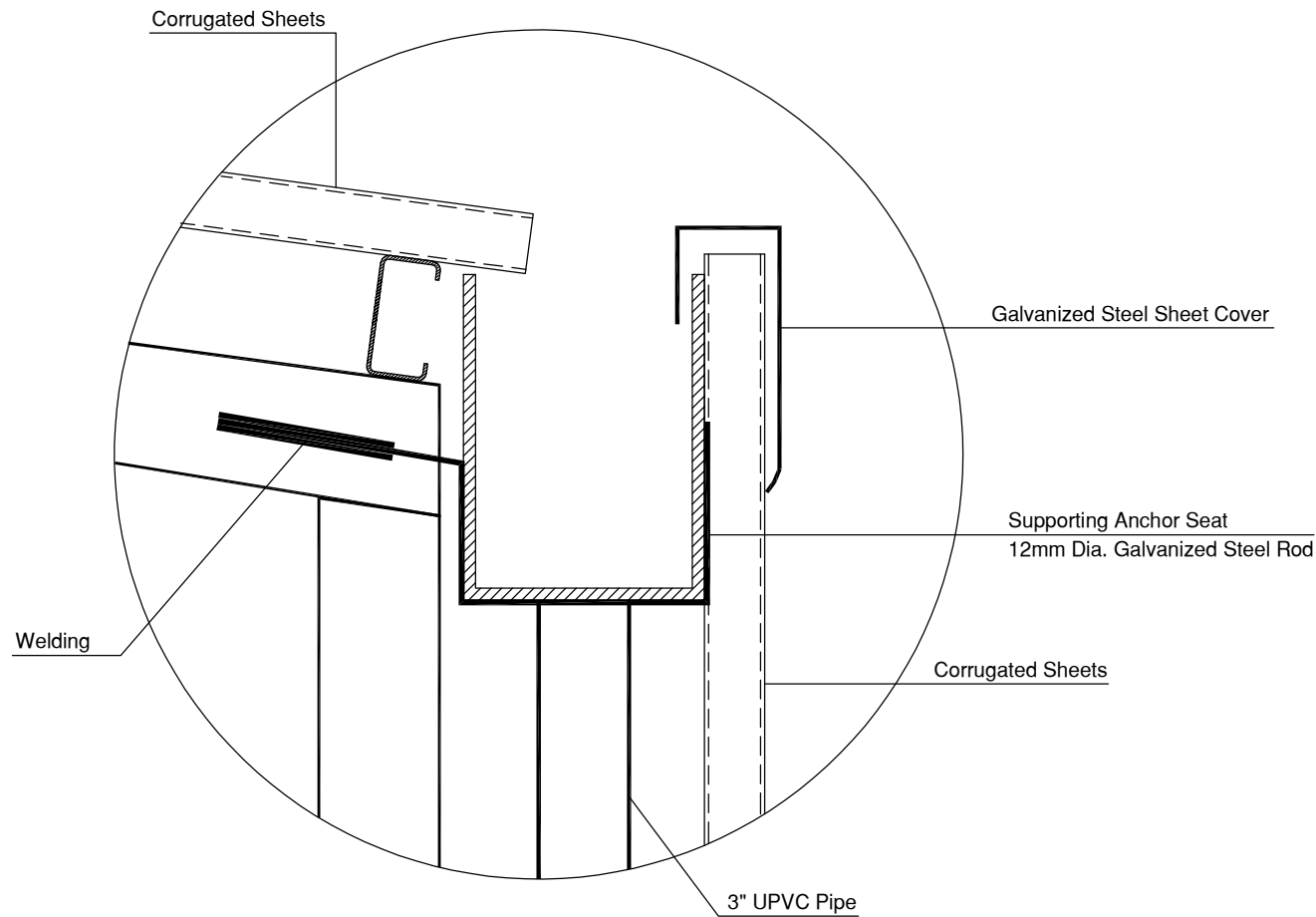
**DRAWING TITLE:**  
Details (1/3)

**DRAWING NO.:**  
**MWTF-TS-ST-004**

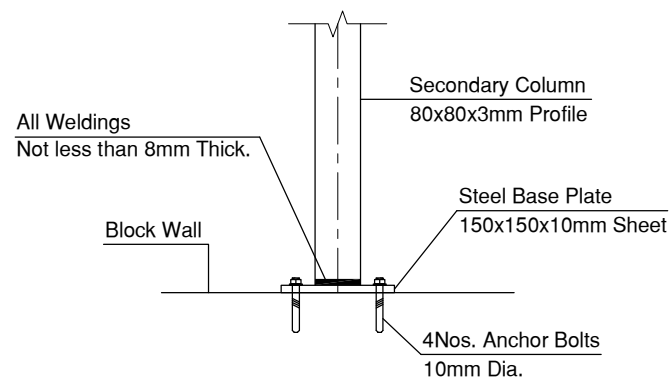
**DRAWING SN:**

**SCALE:**  
**As Shown**

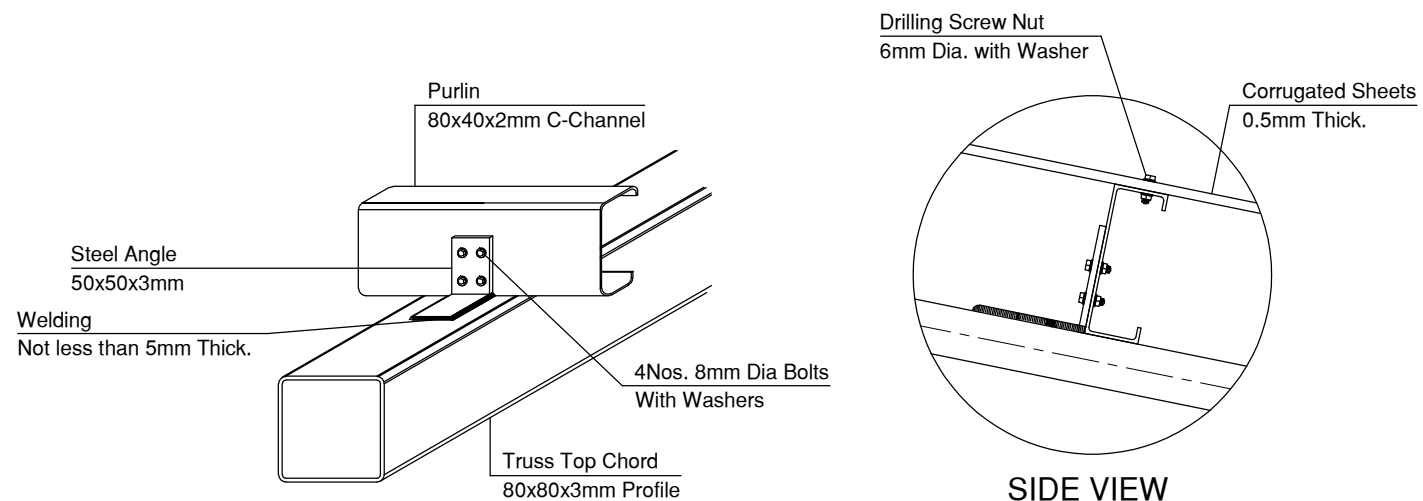
**DATE:**  
**JULY 2020**



**GENERAL DETAILS FOR RAIN WATER GUTTER**  
NOT TO SCALE

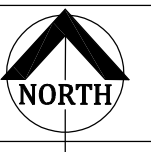


**DETAIL NO. 5**  
SCALE 1:10



**DETAIL FOR PURLINS CONNECTION**  
NOT TO SCALE

**FOR TENDER  
ONLY**



**CLIENT:**



**CONSULTANT:**

مركز الهندسة والتخطيط  
center for engineering and planning

**PROJECT NAME:**  
**Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)**

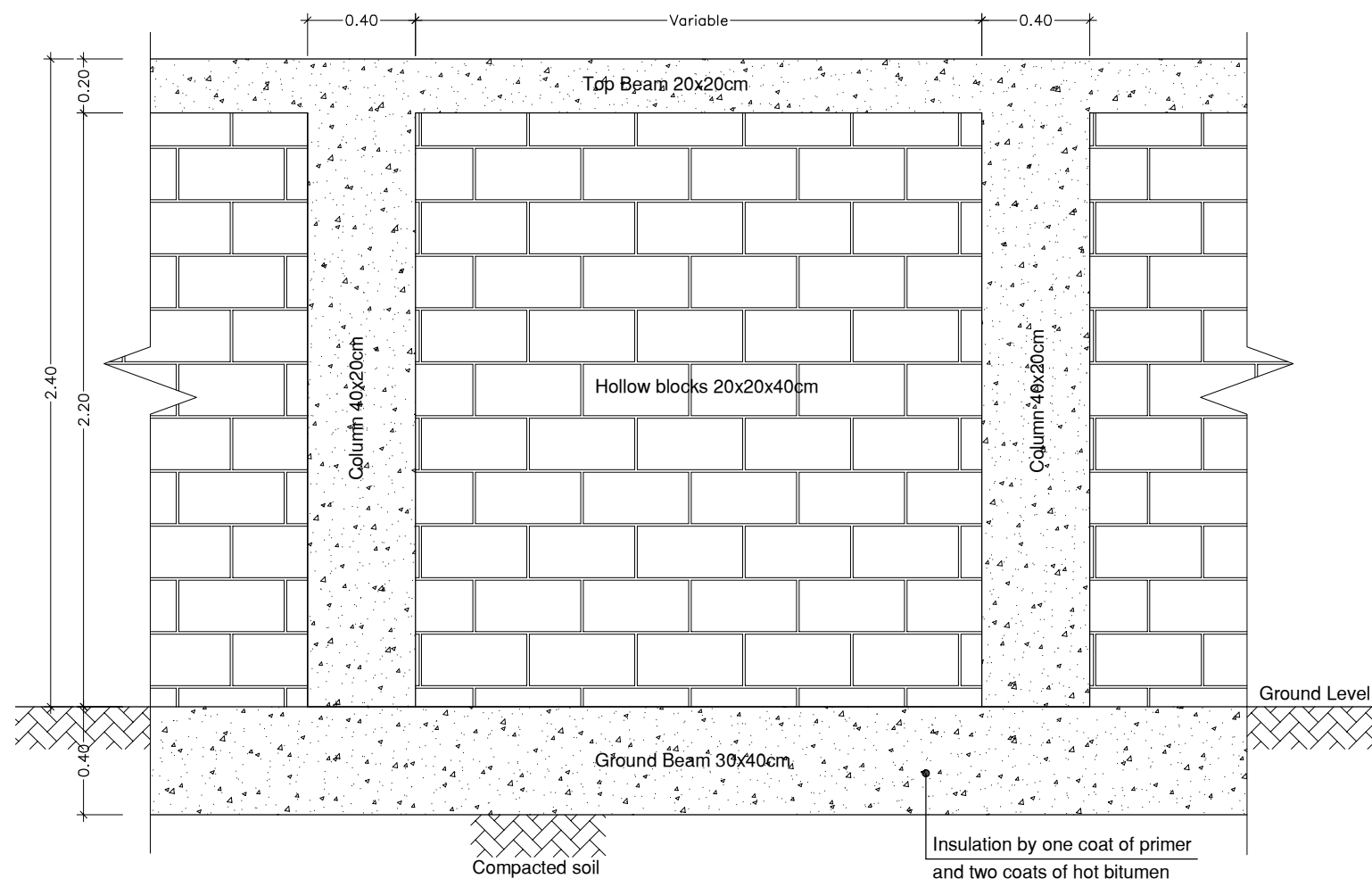
**DRAWING TITLE:**  
Details (2/3)

**DRAWING NO.:**  
**MWTF-TS-ST-005**

**DRAWING SN:**

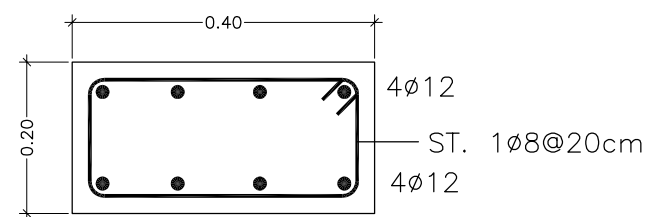
**SCALE:**  
**As Shown**

**DATE:**  
**JULY 2020**



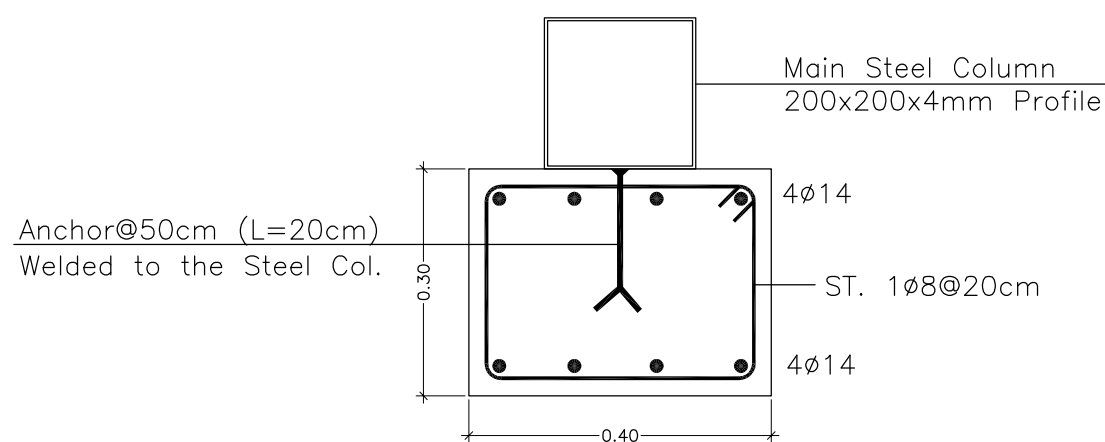
## DETAILS FOR THE BOUNDARY WALL

Scale 1:25



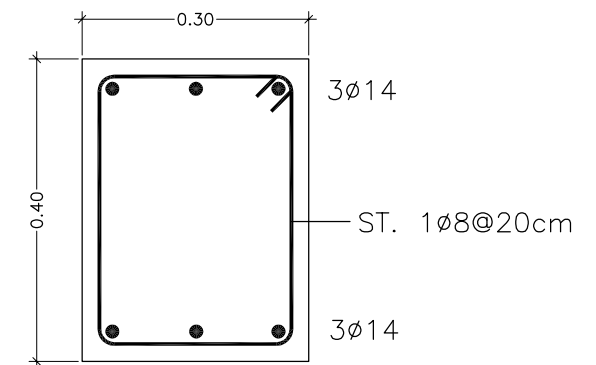
## COLUMN DETAILS

SCALE 1:10



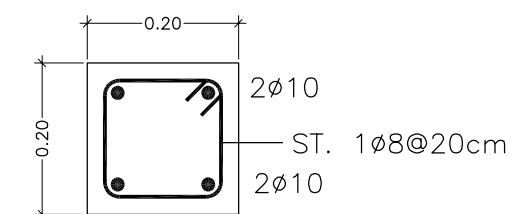
## COLUMN DETAILS (BEHINED SHED COLUMNS)

SCALE 1:10



## GROUND BEAM DETAILS

SCALE 1:10



## TOP BEAM DETAILS

SCALE 1:10

**FOR TENDER ONLY**



CLIENT:



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center for engineering and planning

**PROJECT NAME:**  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

**DRAWING TITLE:**  
Details (3/3)

**DRAWING NO.:**  
MWTF-TS-ST-006

**DRAWING SN:**

**SCALE:**  
As Shown

**DATE:**  
JULY 2020

Constructing of Medical Waste Treatment  
Facility in Gaza and North Governorates  
**(Temporary Site)**

ITB:

MECHANICAL DRAWINGS  
MWTF-TS-ME-001 → MWTF-TS-ME-009

Mechanical Drawings List

Drawing #	Drawing Title
MWTF-TS-ME-001	Mechanical Drawings List
MWTF-TS-ME-002	Sewage Plan
MWTF-TS-ME-003	General Details
MWTF-TS-ME-004	General Details
MWTF-TS-ME-005	General Details
MWTF-TS-ME-006	Plumbing Plan
MWTF-TS-ME-007	Water Supply Plan
MWTF-TS-ME-008	General Details
MWTF-TS-ME-009	General Details

FOR TENDER ONLY

CLIENT:



CONSULTANT:

مركز الهندسة والتخطيط

center for engineering and planning



PROJECT NAME:

Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates

ITB NO.:

DRAWING TITLE:

Mechanical Drawings  
List

DRAWING NO.:

MWTF-TS-ME-001

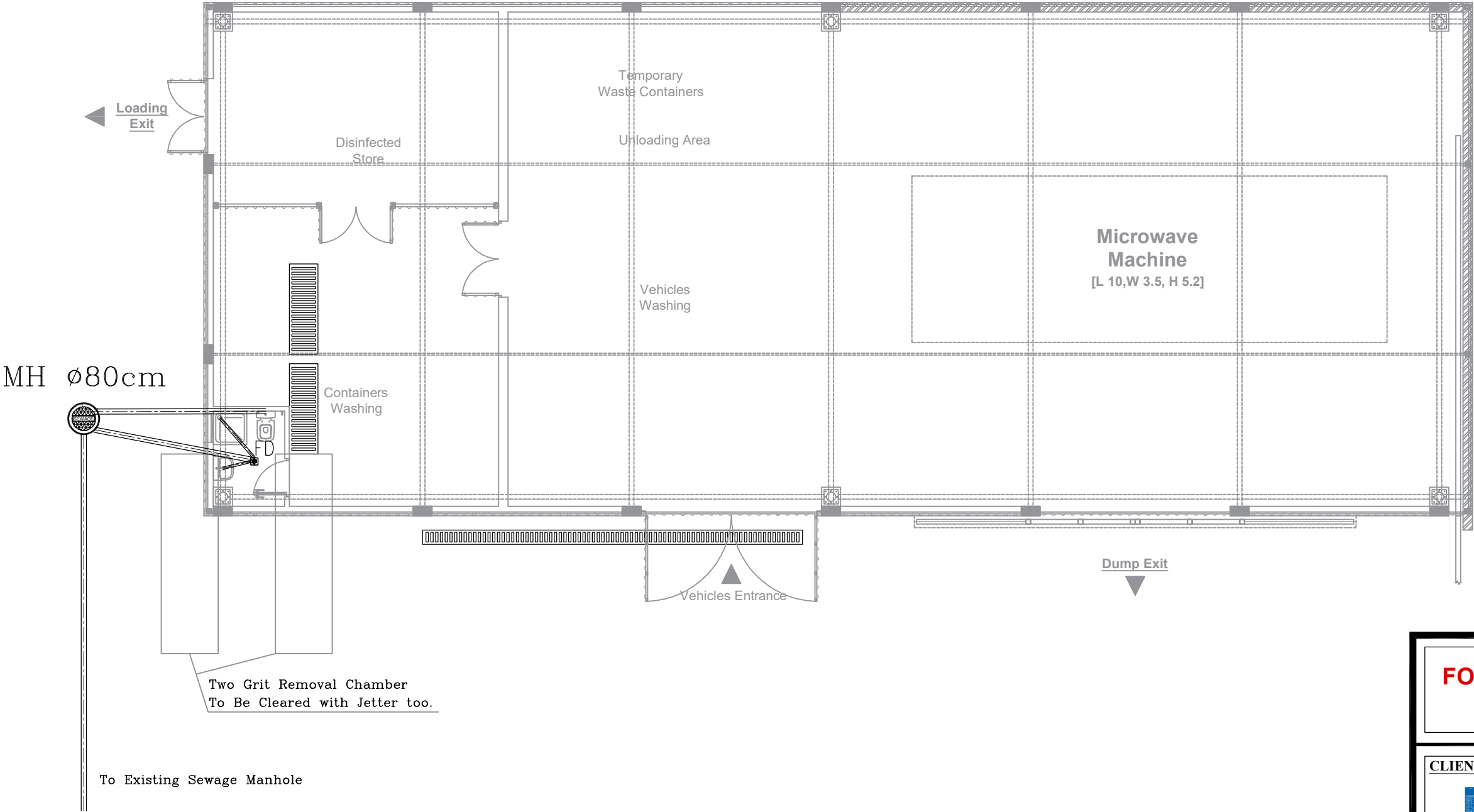
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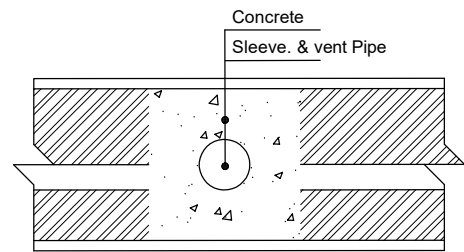
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DATE:

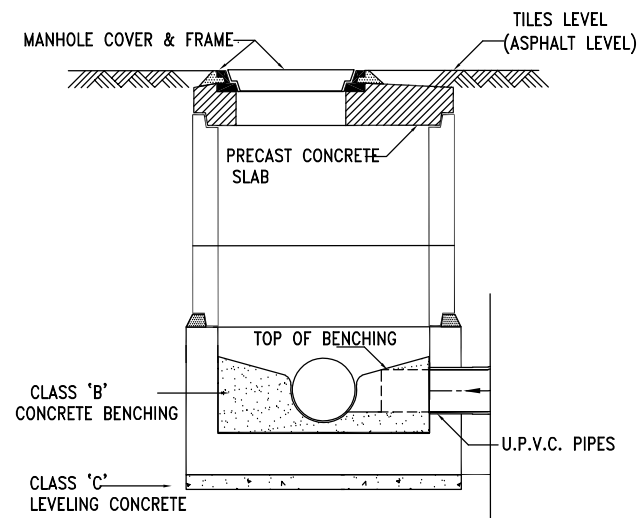
JULY 2020



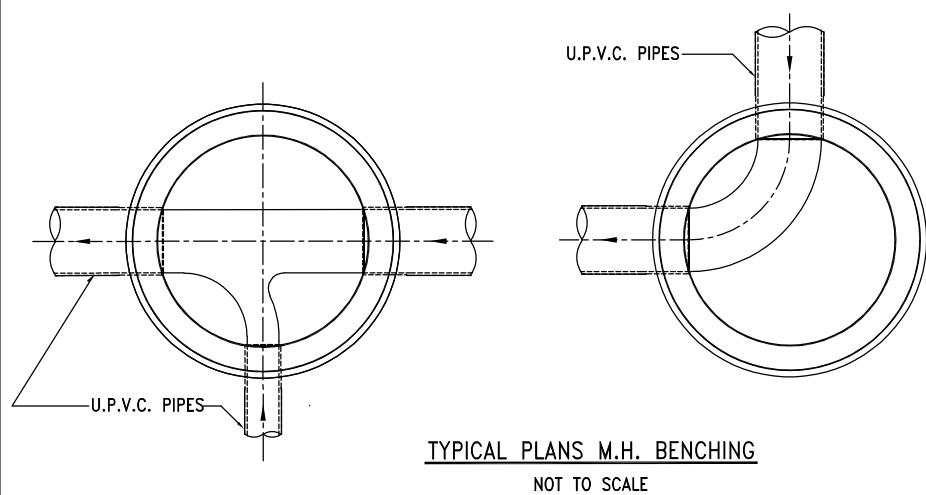
FOR TENDER ONLY		
CLIENT: 	CONSULTANT: 	
PROJECT NAME: Constructing of Medical Waste Treatment Facility in Gaza and North Governorates ITB NO.:		
DRAWING TITLE: Sewage Network	DRAWING NO.: MWTF-TS-ME-002	
DRAWING SN:	SCALE: 1:100	DATE: JULY 2020



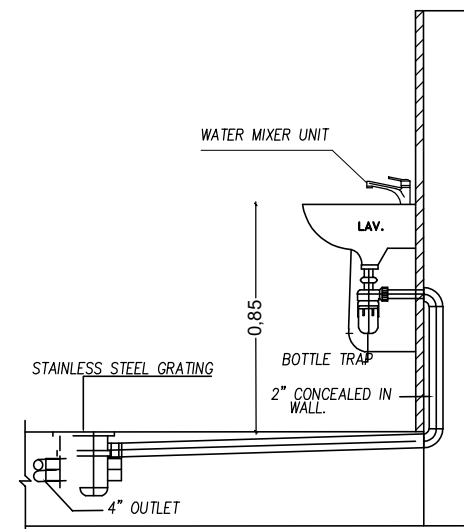
UPVC PIPES IN THE WALLS



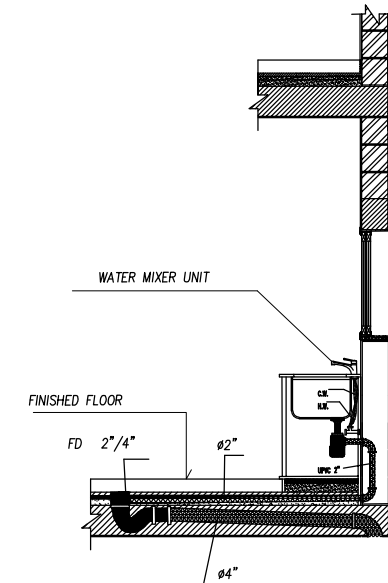
TYPICAL MANHOLE SECTION  
NOT TO SCALE



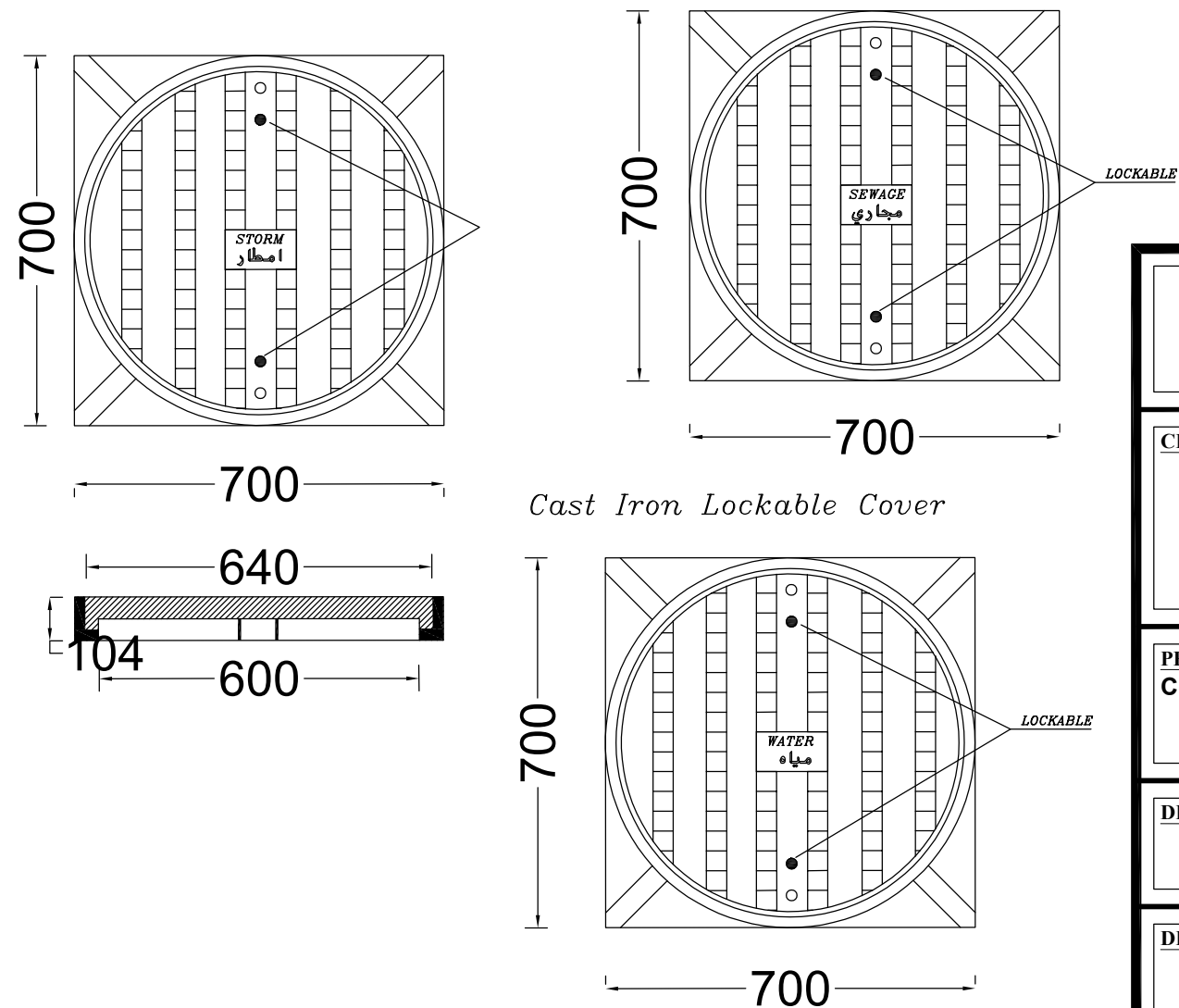
TYPICAL PLANS M.H. BENCHING  
NOT TO SCALE




TYPICAL LAVATORY INSTALLATION



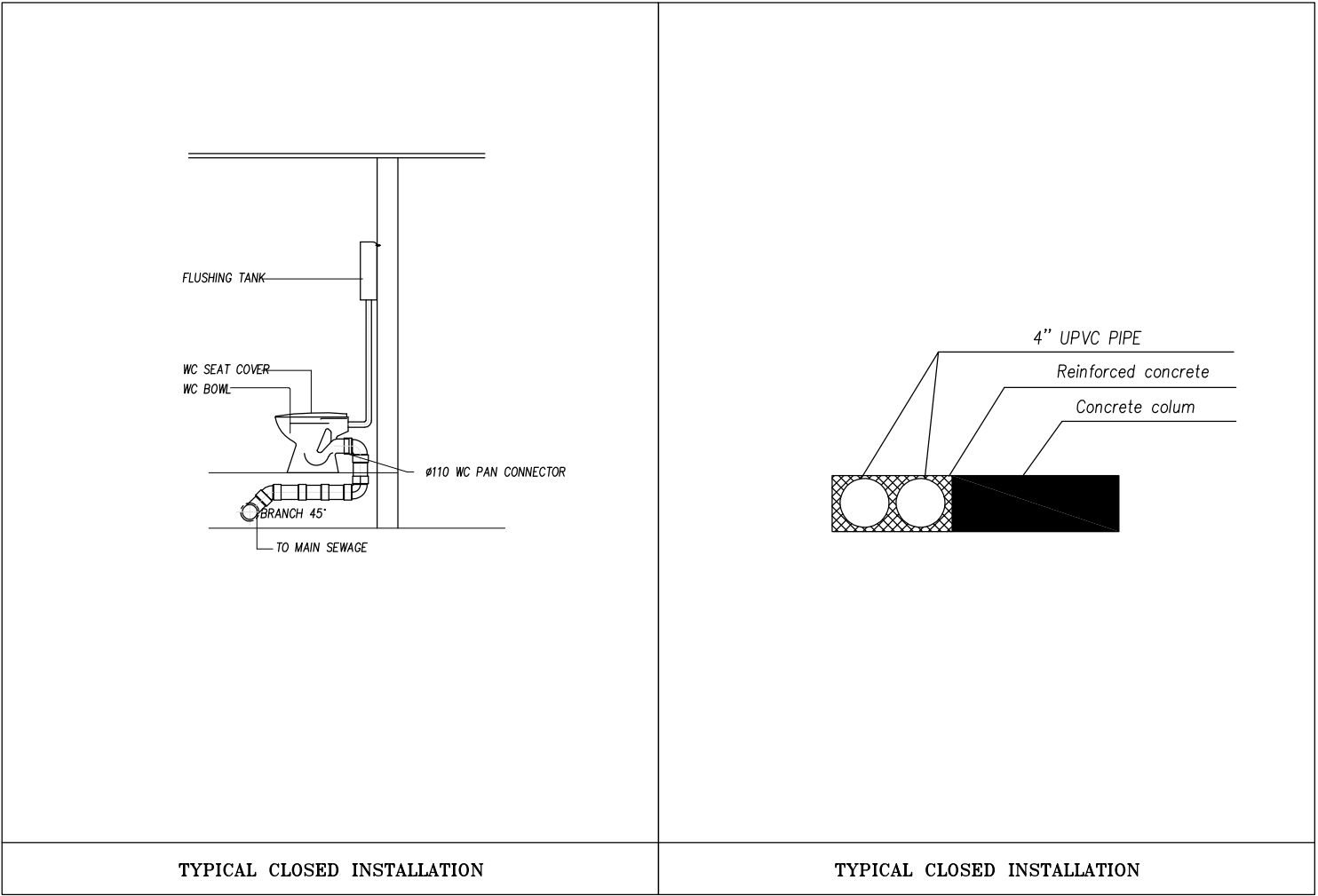
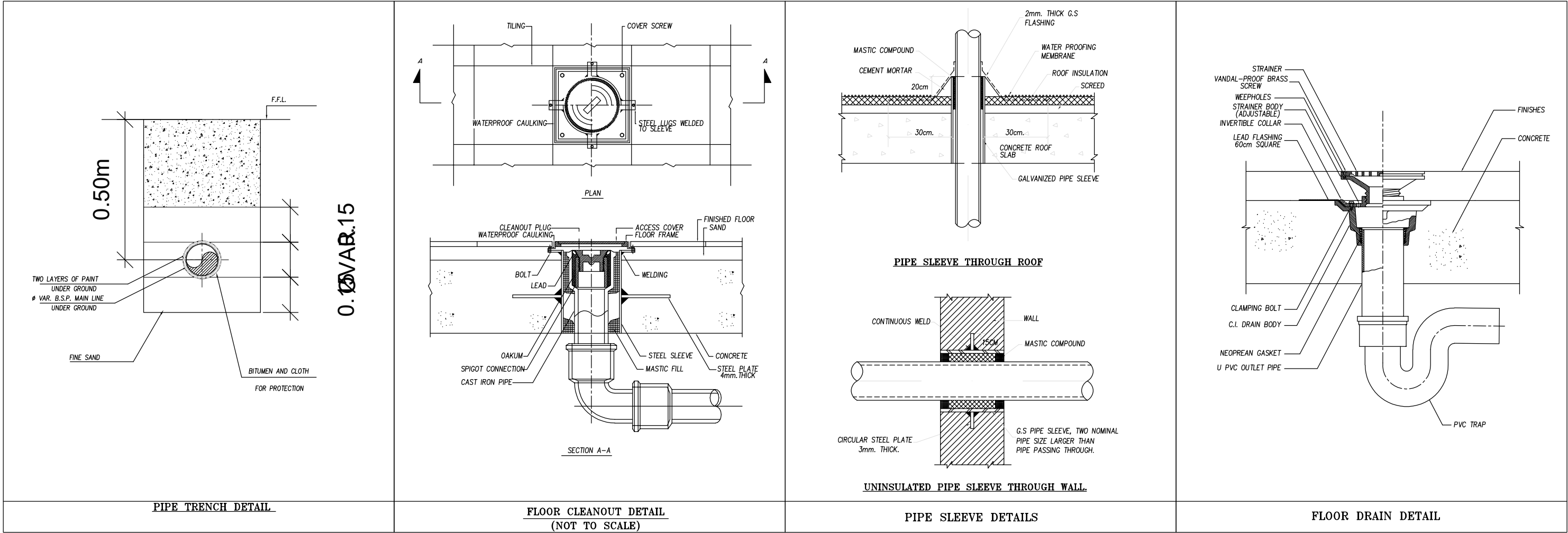
TYPICAL SINK INSTALLATION



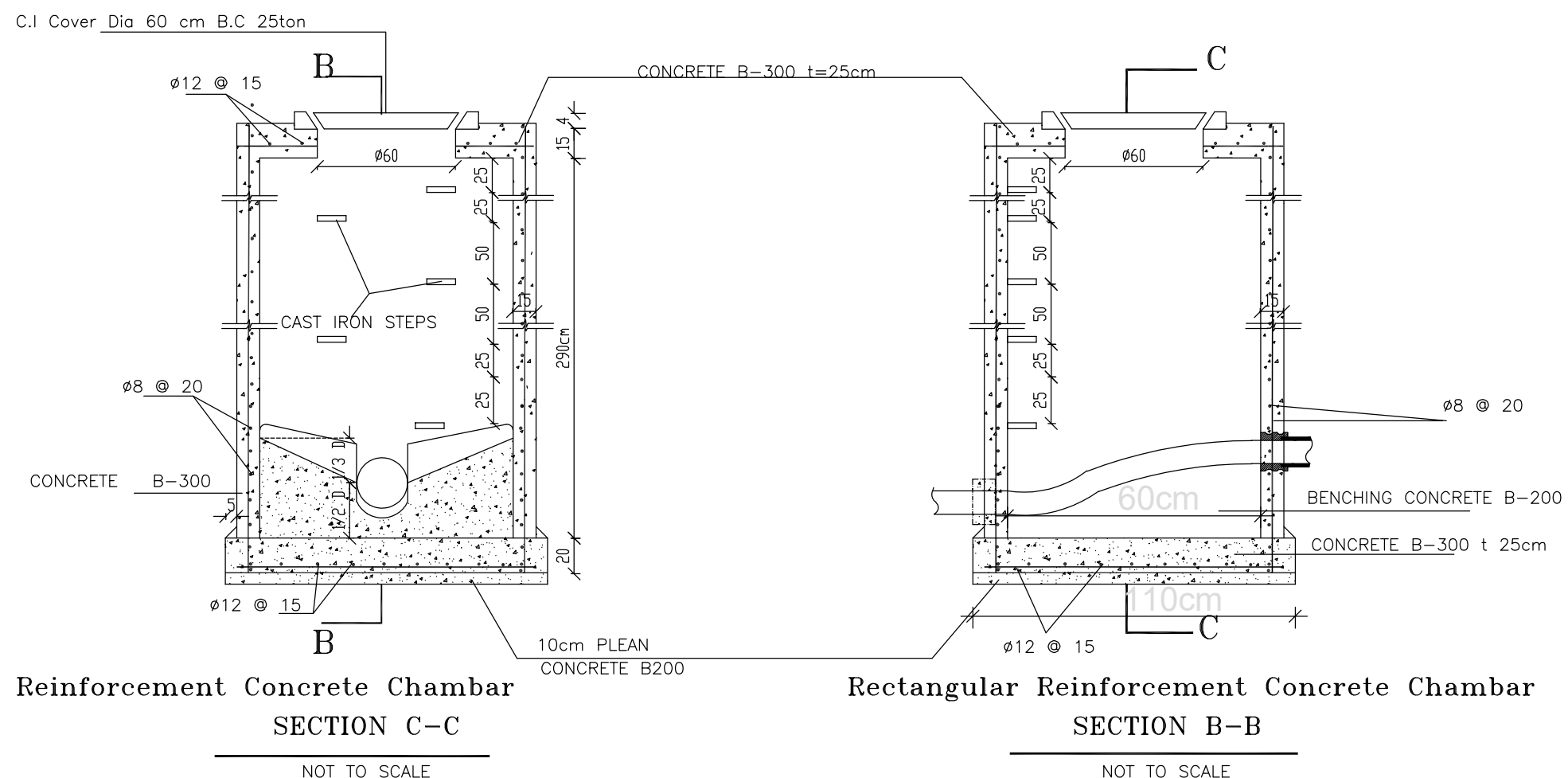
Cast Iron Lockable Cover

<b>FOR TENDER ONLY</b>		
<b>CLIENT:</b> 	<b>CONSULTANT:</b>  مركز الهندسة والتخطيط center for engineering and planning	
<b>PROJECT NAME:</b> Constructing of Medical Waste Treatment Facility in Gaza and North Governorates ITB NO.:		
<b>DRAWING TITLE:</b> General Details	<b>DRAWING NO.:</b> MWTF-TS-ME-003	
<b>DRAWING SN:</b>	<b>SCALE:</b> 1:100	<b>DATE:</b> JULY 2020



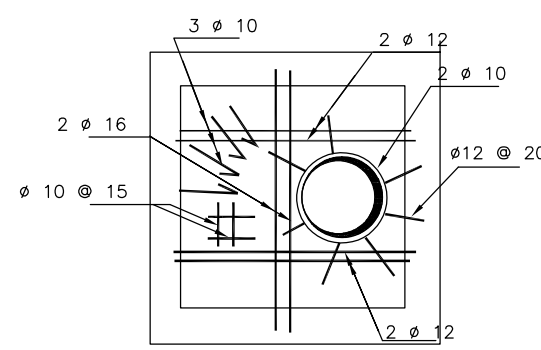


<b>FOR TENDER ONLY</b>		
<b>CLIENT:</b> 	<b>CONSULTANT:</b> 	
<b>PROJECT NAME:</b> <b>Constructing of Medical Waste Treatment Facility in Gaza and North Governorates</b> ITB NO.:		
<b>DRAWING TITLE:</b> <b>General Details</b>	<b>DRAWING NO.:</b> <b>MWTF-TS-ME-004</b>	
<b>DRAWING SN:</b>	<b>SCALE:</b> <b>1:100</b>	<b>DATE:</b> <b>JULY 2020</b>

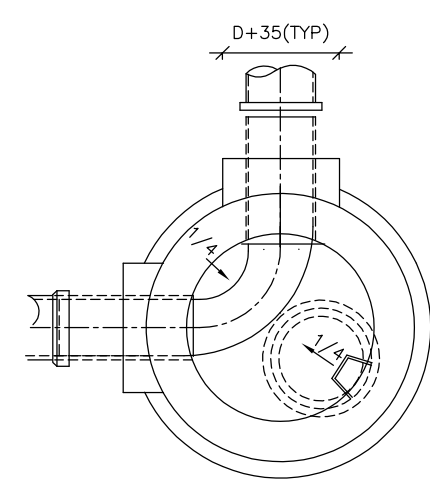


Rectangular Reinforcement Concrete Chambar  
SECTION C-C

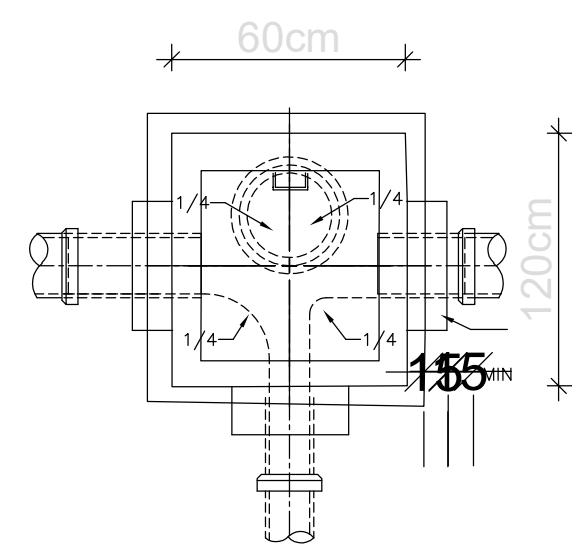
Rectangular Reinforcement Concrete Chambar  
SECTION B-B



CEILING REINFORCEMENT DETAIL  
NOT TO SCALE



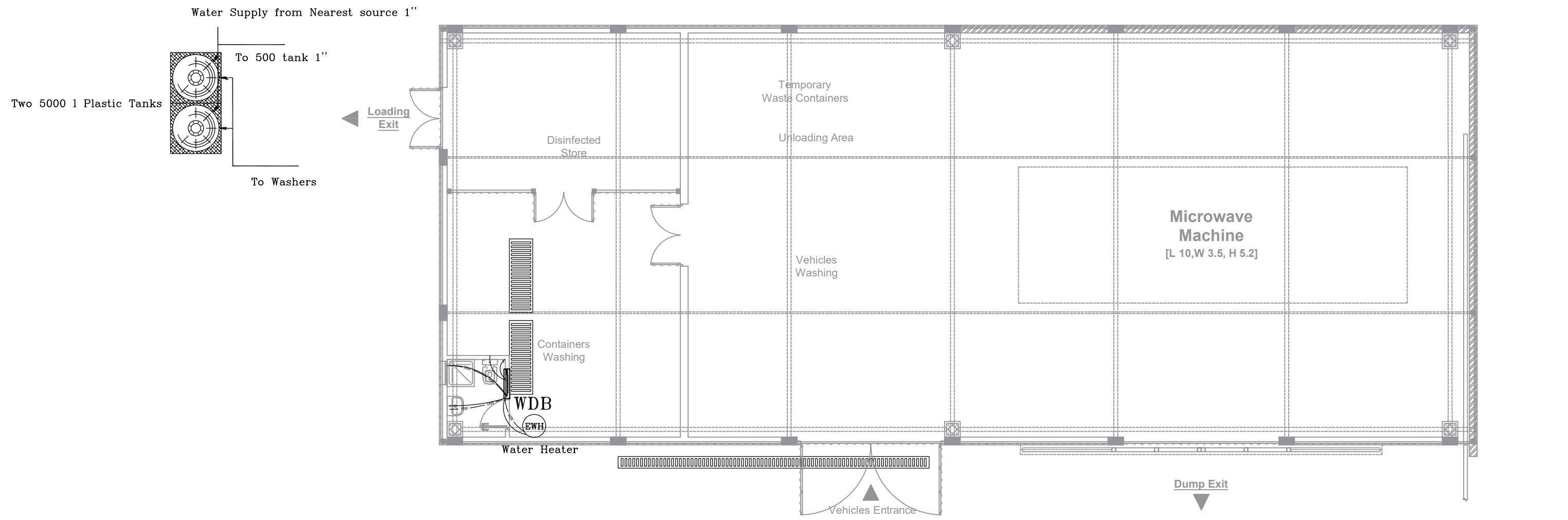
TYPICAL PLANS M.H. BENCHING  
NOT TO SCALE



TYPICAL PLANS C.H. BENCHING  
NOT TO SCALE

# SEWER GENERAL CHAMBER DETAILS

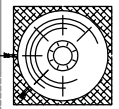
FOR TENDER ONLY		
CLIENT: 	CONSULTANT: 	
PROJECT NAME: Constructing of Medical Waste Treatment Facility in Gaza and North Governorates ITB NO.:		
DRAWING TITLE: General Details	DRAWING NO.: MWTF-TS-ME-005	
DRAWING SN:	SCALE: 1:100	DATE: JULY 2020



<b>FOR TENDER ONLY</b>		
<b>CLIENT:</b> 	<b>CONSULTANT:</b> 	
<b>PROJECT NAME:</b> Constructing of Medical Waste Treatment Facility in Gaza and North Governorates ITB NO.:		
<b>DRAWING TITLE:</b> Plumbing Plan	<b>DRAWING NO.:</b> MWTF-TS-ME-006	
<b>DRAWING SN:</b>	<b>SCALE:</b> 1:100	<b>DATE:</b> JULY 2020



To WDB 1''



PE White 500L Tank

FOR TENDER ONLY		
CLIENT: 	CONSULTANT: 	
PROJECT NAME: Constructing of Medical Waste Treatment Facility in Gaza and North Governorates ITB NO.:		
DRAWING TITLE: Water Supply Plan		DRAWING NO.: MWTF-TS-ME-007
DRAWING SN:	SCALE: 1:100	DATE: JULY 2020



**CLIENT:**



**CONSULTANT:**

مركز الهندسة والتخطيط  
center for engineering and planning

**PROJECT NAME:**  
**Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates**  
ITB NO.:

**DRAWING TITLE:**

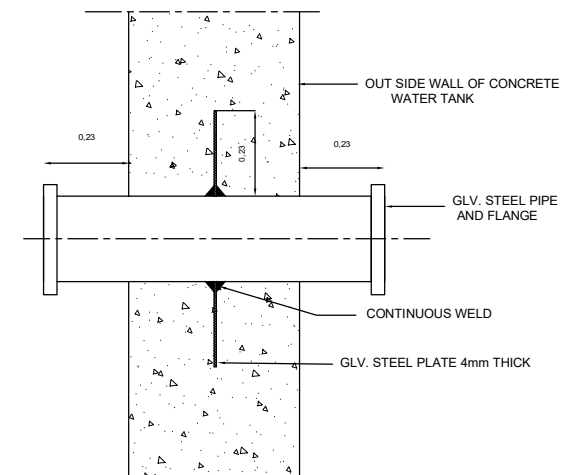
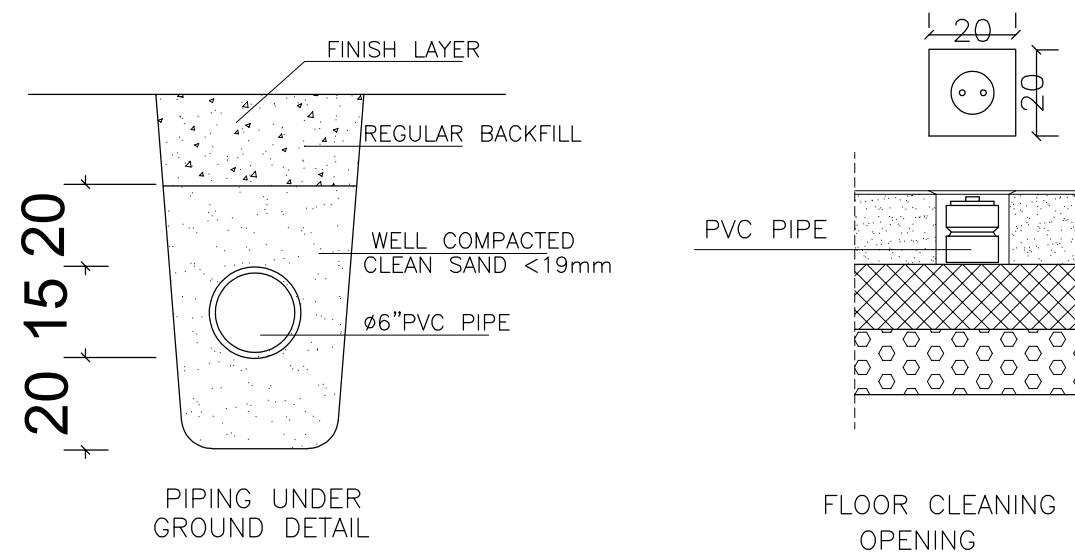
**General Details**

**DRAWING NO.:**  
**MWTF-TS-ME-008**

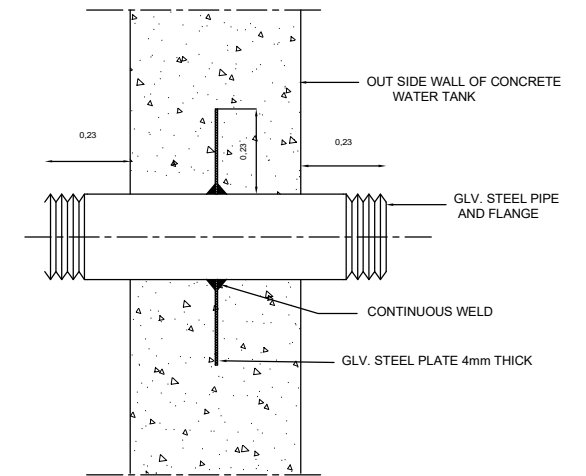
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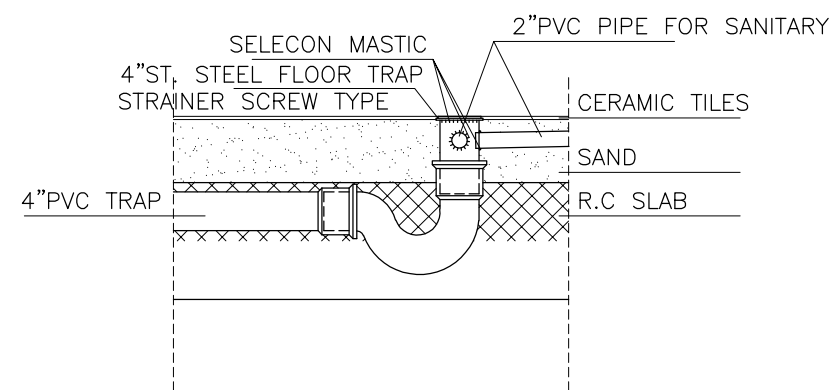
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**JULY 2020**



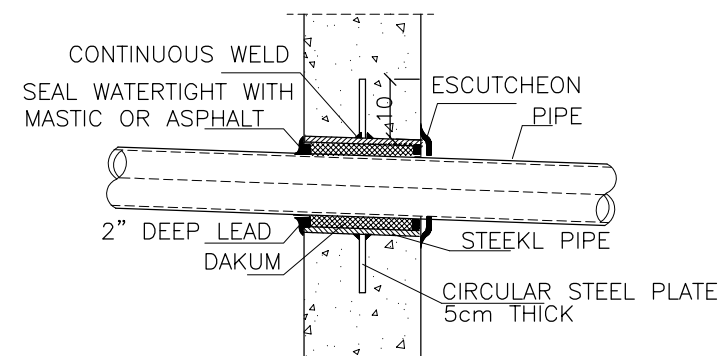
PIPE THROUGH CONCRETE  
WATER TANK DETAIL



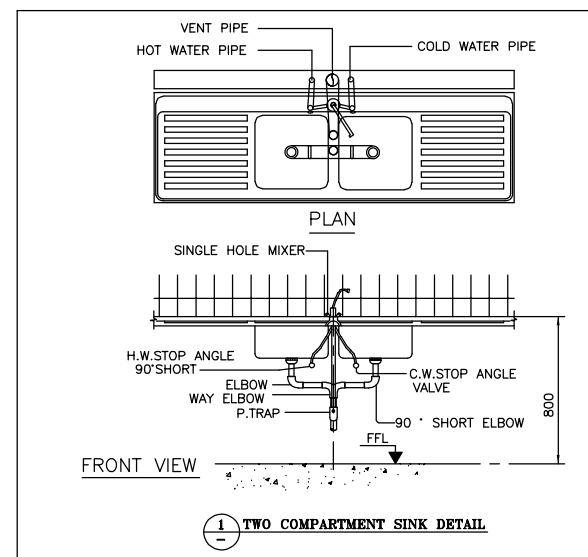
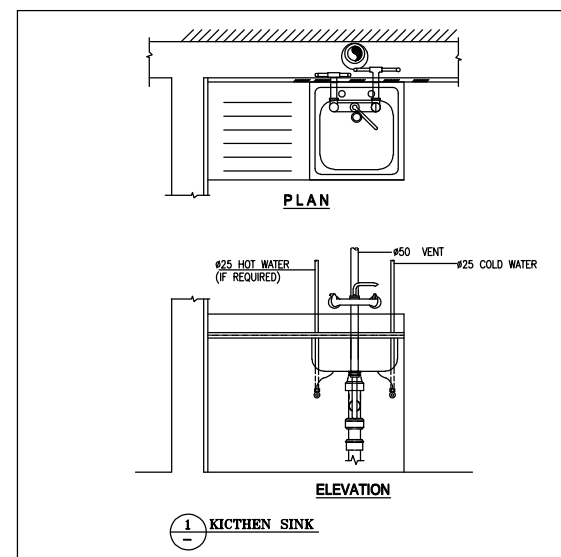
PIPE THROUGH CONCRETE  
WATER TANK DETAIL



FLOOR TRAP 4/4" DETAIL



PIPE SLEEVE DETAIL



**FOR TENDER  
ONLY**

CLIENT:



CONSULTANT:

مركز الهندسة والتخطيط  
center for engineering and planning

PROJECT NAME:

Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates

ITB NO.:

DRAWING TITLE:

General Details

DRAWING NO.:

MWTF-TS-ME-009

DRAWING SN:

SCALE:

1:100

DATE:

JULY 2020

Constructing of Medical Waste Treatment  
Facility in Gaza and North Governorates  
**(Temporary Site)**

ITB:

ELECTRICAL DRAWINGS  
MWTF-TS-EL-001 → MWTF-TS-EL-005

# Architectural Drawings List

Drawing #	Drawing Title
MWTF-TS-EL-001	Electrical Drawings List
MWTF-TS-EL-002	Shed Lighting & Power Networks Plans
MWTF-TS-EL-003	Main Distribution Board (MDB) 1-2
MWTF-TS-EL-004	Main Distribution Board (MDB) 2-2
MWTF-TS-EL-005	DB-MIC & EARTHING SYSTEM

FOR TENDER  
ONLY

CLIENT:



CONSULTANT:

مركز الهندسة والتخطيط  
center for engineering and planning



PROJECT NAME:  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

DRAWING TITLE:  
Electrical Drawings List

DRAWING NO.:  
MWTF-TS-EL-001

DRAWING SN:

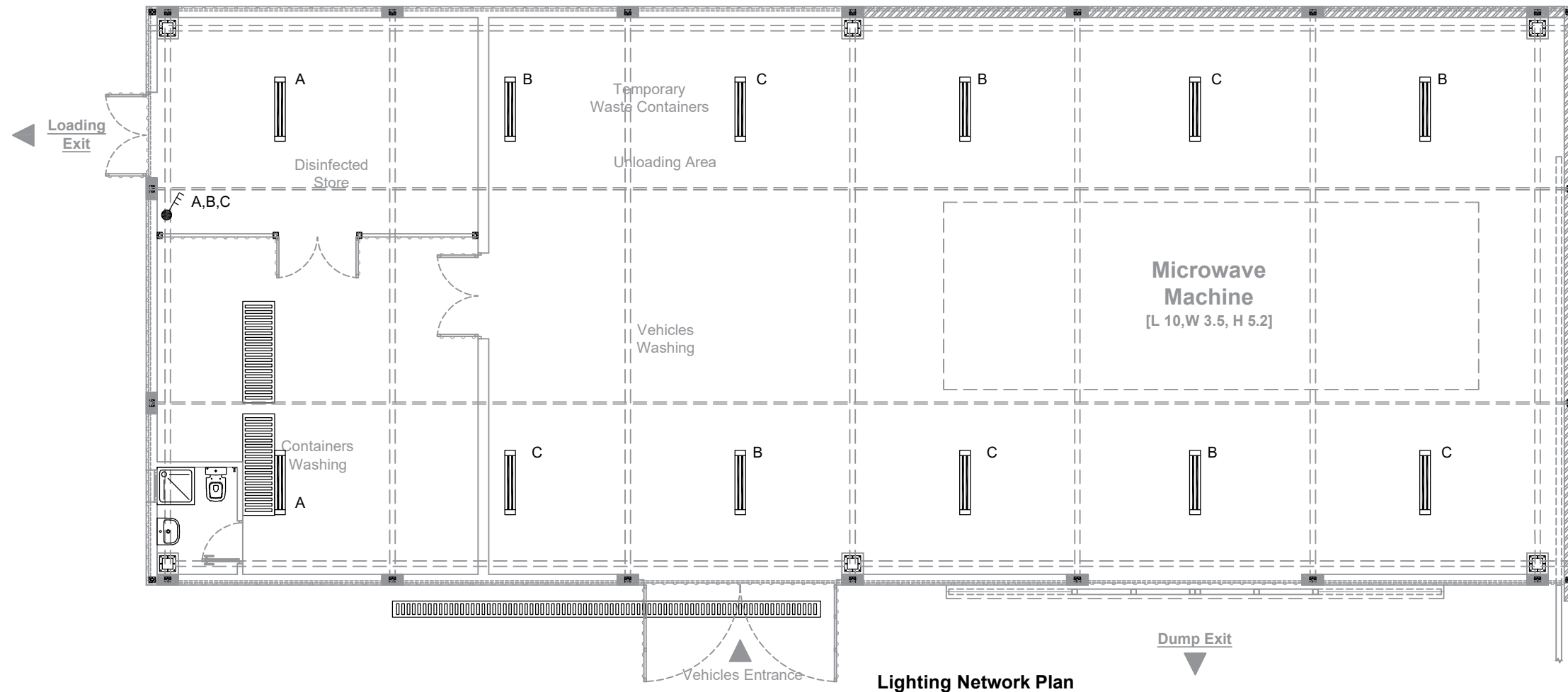
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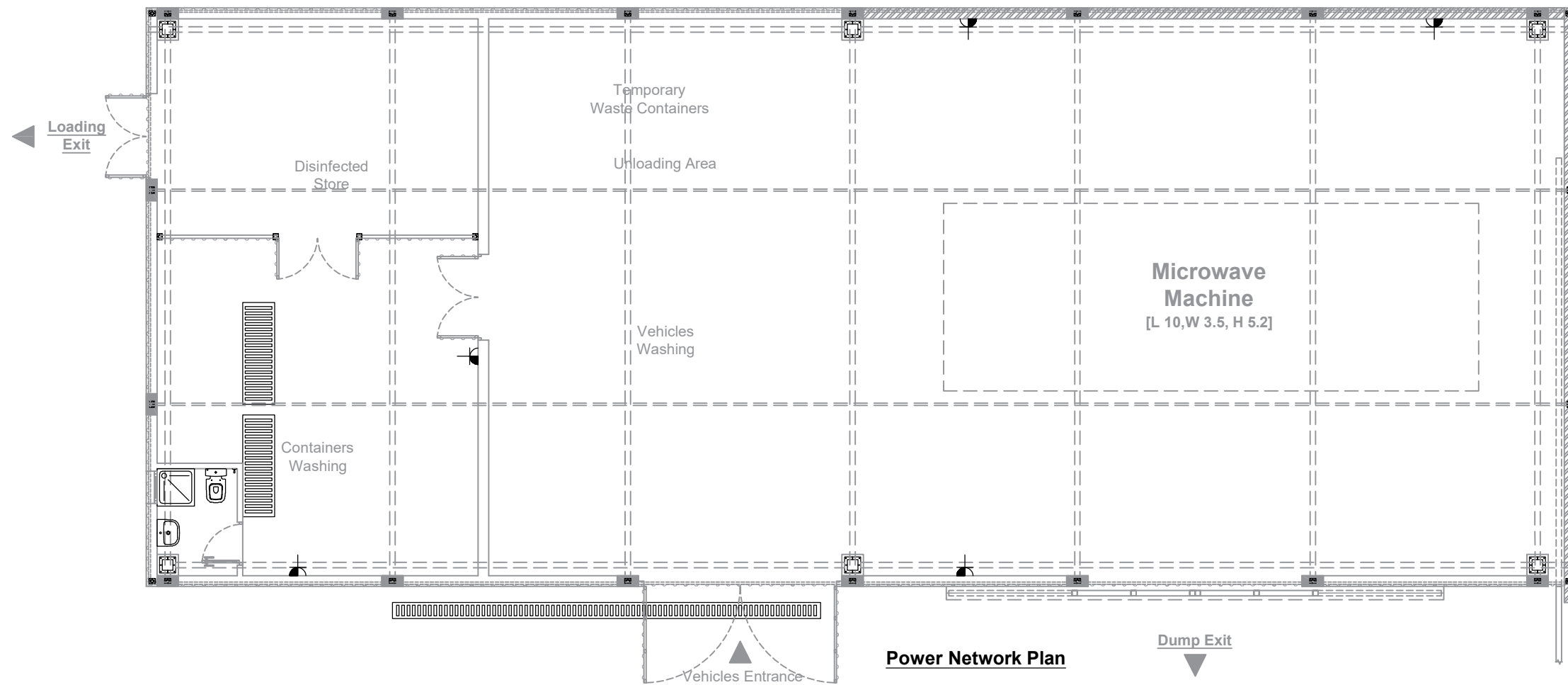
DATE:

JULY 2020



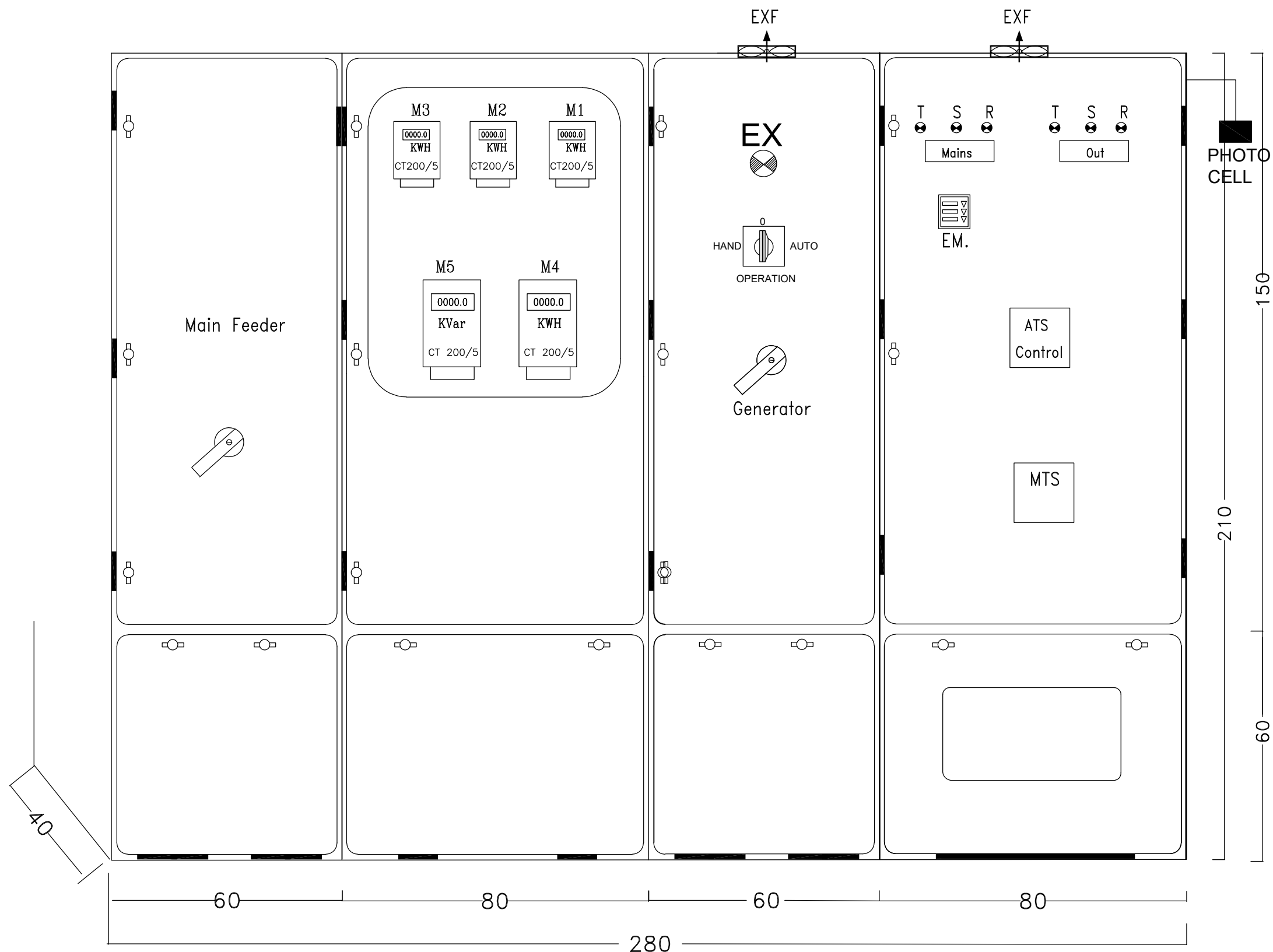


	Surface LED Light ceiling mounted 120cm ,32W,220V AC ,Weatherproof IP67.
	Three Gang One Way , 220 V Ac , 10 A
	WP. Single Socket , 220 V Ac , 16 A, H=60cm



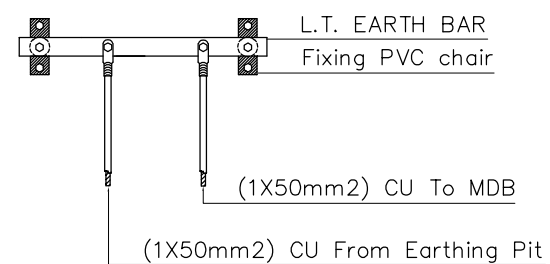
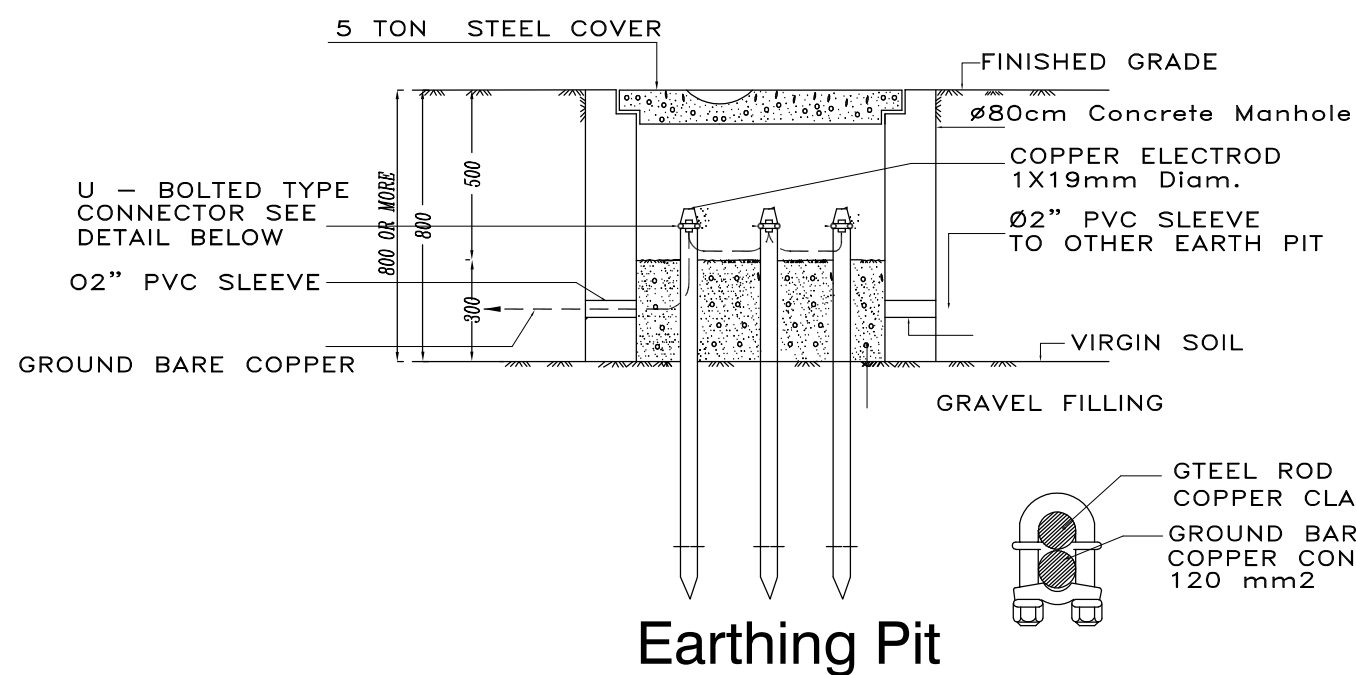
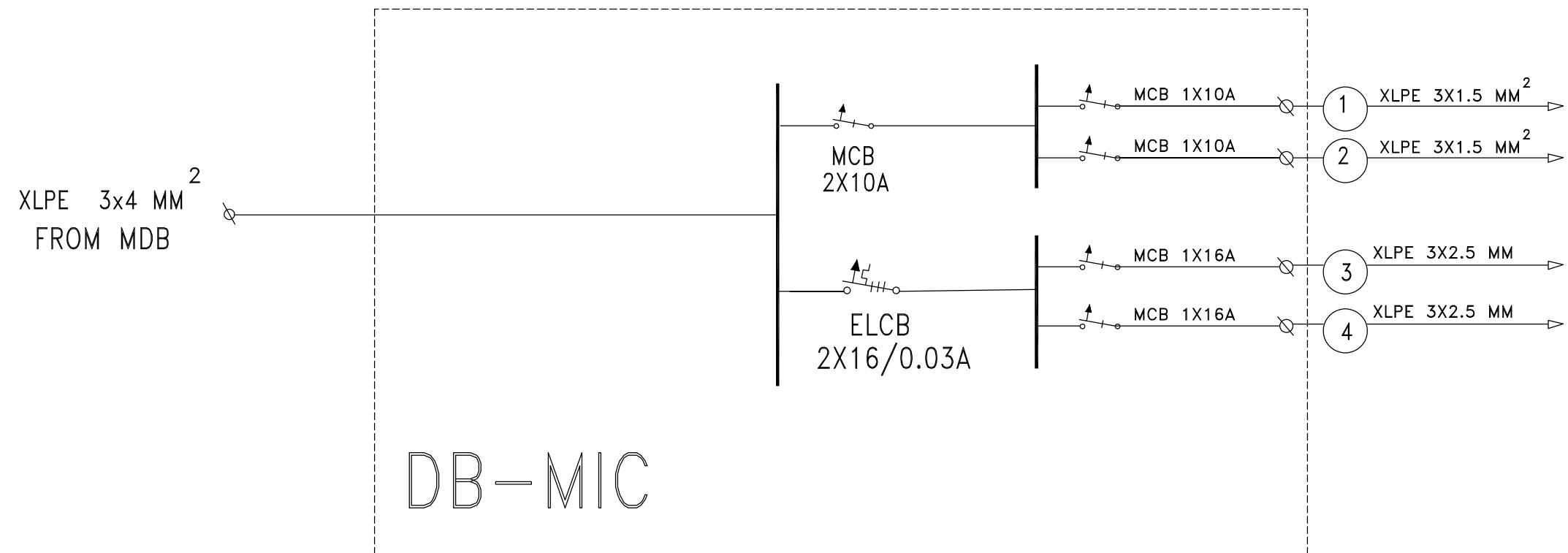
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<b>CLIENT:</b> 	<b>CONSULTANT:</b> 	
<b>PROJECT NAME:</b> Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)		
<b>DRAWING TITLE:</b> Shed Lighting & Power Networks Plans	<b>DRAWING NO.:</b> MWTF-TS-EL-002	
<b>DRAWING SN:</b> 	<b>SCALE:</b> 1:100	<b>DATE:</b> JULY 2020



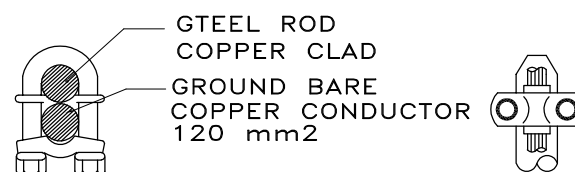


MDB LAYOUT

FOR TENDER ONLY		
CLIENT: 	CONSULTANT: 	
PROJECT NAME: Constructing of Medical Waste Treatment Facility in Gaza and North Governorates (Temporary Site)		
DRAWING TITLE: Main Distribution Board (MDB) 2-2		DRAWING NO.: MWTF-TS-EL-004
DRAWING SN:	SCALE: 1:100	DATE: JULY 2020



**L.T. Earthing Bar**



**Earthing Pit**

## EARTHING SYSTEM

**FOR TENDER ONLY**

**CLIENT:**



**CONSULTANT:**

مركز الهندسة والتخطيط  
center for engineering and planning

**PROJECT NAME:**  
Constructing of Medical Waste Treatment Facility  
in Gaza and North Governorates  
(Temporary Site)

**DRAWING TITLE:**  
DB-MIC &  
EARTHING SYSTEM

**DRAWING NO.:**  
MWTF-TS-EL-005

**DRAWING SN:**

**SCALE:**  
1:100

**DATE:**  
JULY 2020