

Project Title:

# Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

Hebron - Palestine

Enabel 



المجلس المشترك لإدارة النفايات الصلبة

Joint Service Council For Solid Waste Management Hebron



**ZODIAC**  
DESIGN AND ENGINEERING

October 2025

ورقة الحكم المحلي  
طلب رخصة اعمار

الرقم \_\_\_\_\_

التاريخ \_\_\_\_\_

<input type="checkbox"/> بناء اضافي	منطقة البناء	القسيمة	الحوضي	الشارع	الموقع او الحي
<input type="checkbox"/> بناء مقترح	سكن ا	١٩٥ / ١٩٣	٣٤٤٦٩	معبد	الخليل - خلة ابو عقيل الشرقي
مساحة الارض	مساحة البناء	حجم البناء	النسبة المئوية	ارتداه امامي	ارتداه جانبي
م <sup>2</sup> 4517	م <sup>2</sup> 946.70	م <sup>3</sup> 7878.02	20.96 %	م 10	م 5
م <sup>3</sup> 10					

استعمال البناء برص مقترح للترخيص وثرنة حارس تتكون من طابق ارضي فقط مقترح للترخيص

صاحب الطلب	صاحب الملك	مصمم البناء
السادة مجلس الخدمات المشترك لاهارة النفايات الصلبة	صاحب الطلب	مكتب زودياك للهندسة والتصميم
التوقيع	التوقيع	التوقيع
التاريخ 2025	التاريخ 2025	التاريخ 2025

جدول المساحات و الحجموم

الادوار	مساحة م <sup>2</sup>		حجم م <sup>3</sup>		النسبة المئوية
	مقترح	مرخص	مقترح	مرخص	
مبنى البركس	915.30		7780.05		
ثرنة الحارس	31.40		97.97		
اول					
ثاني					
ثالث					
رابع					
الاسوار	294.60 م <sup>2</sup>				
المجموع	946.70 م <sup>2</sup>		7878.02 م <sup>3</sup>		
مجموع المساحات	رقمما				
المراه ترخيصها	كتابة				

دليل المواد المستعمله

باطون دك	طوب	حجر
بناء قائم	كريمه	باطون مسلح

رئيس اللجنة الاقليمية	سكرتير اللجنة الاقليمية

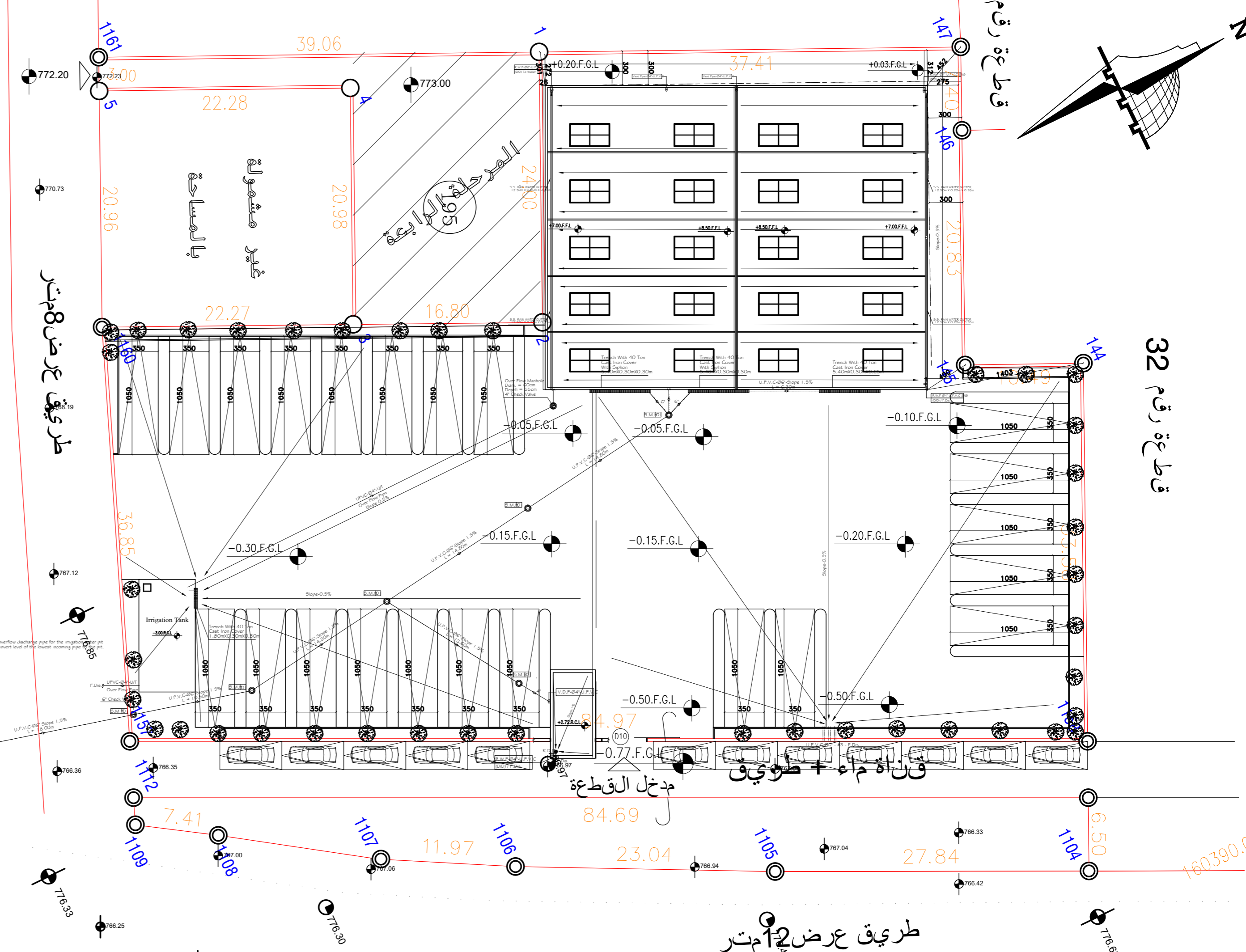
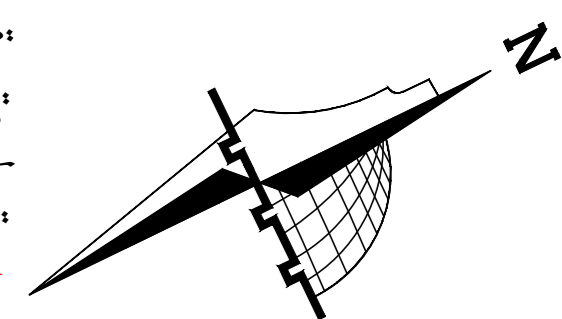


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--	Area Plan
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Architectural paintings	
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<p style="text-align: center;"><b>NOTES</b></p> <p>(1) ALL DIMENSIONS ARE IN CM.          (2) ALL LEVELS ARE IN METER          (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.          (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS &amp; KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.          (5) LEVELS ON ELEVATIONS &amp; SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  <b>ZERO LEVEL</b>          ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL</p>	<p><b>Legend:</b></p> <table style="font-size: small;"> <tr> <td></td> <td>SECTION NUMBER</td> <td></td> <td>DOOR NUMBER</td> </tr> <tr> <td></td> <td>REFERENCE DETAIL SHEET NUMBER</td> <td></td> <td>RC CONCRETE FOR COLUMNS</td> </tr> <tr> <td></td> <td>FLOOR FINISH LEVEL (F.F.L.)</td> <td></td> <td>RC CONCRETE FOR WALLS</td> </tr> <tr> <td></td> <td>REINFORCEMENT CONCRETE LEVEL (R.C.L.)</td> <td></td> <td>CONCRETE</td> </tr> <tr> <td></td> <td>LEVEL SHOWN IN PLAN</td> <td></td> <td>STONE WALL</td> </tr> <tr> <td></td> <td>WINDOW NUMBER</td> <td></td> <td>HOLLOW BLOCKS</td> </tr> <tr> <td></td> <td>REFERENCE DETAIL SHEET NUMBER</td> <td></td> <td>CEMENT TILE</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FERRAZZO TILE</td> </tr> <tr> <td></td> <td></td> <td></td> <td>LOCAL MARBLE</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Interlock</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Water Caster</td> </tr> <tr> <td></td> <td></td> <td></td> <td>R.C.L. REIN. CONCRETE LEVEL</td> </tr> <tr> <td></td> <td></td> <td></td> <td>F.F.L. FINISH FLOOR LEVEL</td> </tr> <tr> <td></td> <td></td> <td></td> <td>S.L. SEA LEVEL</td> </tr> </table>		SECTION NUMBER		DOOR NUMBER		REFERENCE DETAIL SHEET NUMBER		RC CONCRETE FOR COLUMNS		FLOOR FINISH LEVEL (F.F.L.)		RC CONCRETE FOR WALLS		REINFORCEMENT CONCRETE LEVEL (R.C.L.)		CONCRETE		LEVEL SHOWN IN PLAN		STONE WALL		WINDOW NUMBER		HOLLOW BLOCKS		REFERENCE DETAIL SHEET NUMBER		CEMENT TILE				FERRAZZO TILE				LOCAL MARBLE				Interlock				Water Caster				R.C.L. REIN. CONCRETE LEVEL				F.F.L. FINISH FLOOR LEVEL				S.L. SEA LEVEL	<p style="text-align: center;"><b>REVISIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DRAWINGS</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td>(1)</td><td></td><td></td></tr> <tr><td>(2)</td><td></td><td></td></tr> <tr><td>(3)</td><td></td><td></td></tr> </tbody> </table>	NO.	DRAWINGS	DATE	(1)			(2)			(3)			<p>FUNDED BY:</p>	<p>OWNER:</p>	<p>PROJECT :</p> <p style="text-align: center;"><b>Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.</b></p> <p style="text-align: center;">TENDER NO. :</p>	<p>DESIGNED BY:</p> <p style="text-align: center;"><b>ZODIAC DESIGN AND ENGINEERING</b></p>	<p>DRAWING TITLE</p> <p style="text-align: center;"><b>Table of content</b></p>	<p>DATE: 18-10-2025</p> <p>SCALE: 1:500</p> <p>DRAWING NO: A 00</p>
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							<p>ARCH ENG : DUHA ABDEEN</p> <p>STRUCTURAL ENG: FAKHER JUBA</p>																																																																					



S-MH  
 Ground Level = 766.68M  
 Invert Level = 762.83  
 Depth = 3.85M

Ware House Level	±0.00.R.C.L	
Ware House Level Top view	+8.50.F.F.L	
Water Well Level	-3.00.R.C.L	
Irrigation Tank Level	-6.00.R.C.L	
Guard Room Level	-0.28.F.F.L -0.40.R.C.L	
Guard Room Level Top view	-2.72.R.C.L	

64.70 M2	Water Well Area
915.30 M2	Ware House Building Area
31.40 M2	Guard Room Building Area
50.00 M2	Irrigation Tank
1061.40 M2	Total

Note: ±0.00R.C.L = 767.20 Sea Level

**NOTES**  
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 (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.  
 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  
**ZERO LEVEL:**  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		REFERENCE DETAIL SHEET NUMBER
	FLOOR FINISH LEVEL (F.F.L.)		REINFORCEMENT CONCRETE LEVEL (R.C.L.)
	LEVEL ON PLAN		WINDOW NUMBER
	SECTION NUMBER		REFERENCE DETAIL SHEET NUMBER

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

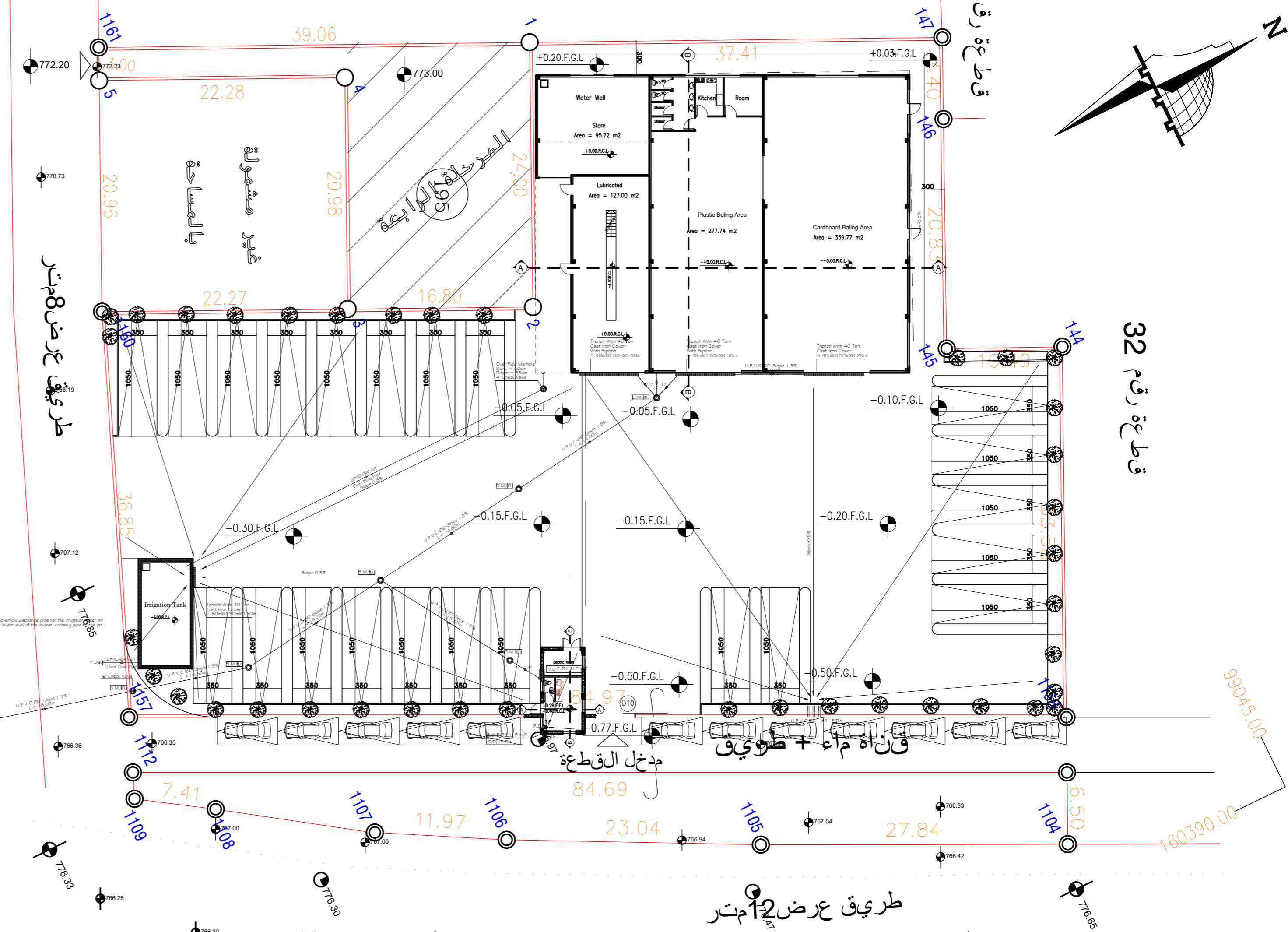
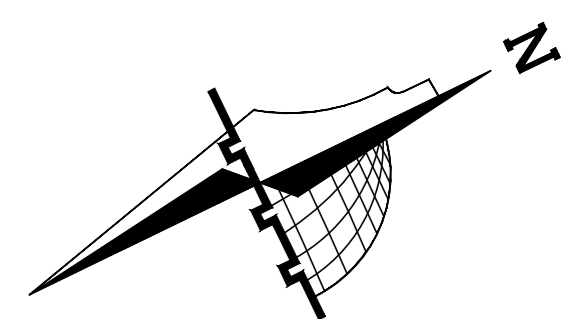
OWNER:

PROJECT:  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Site plan
ARCH ENG :	DUHA ABDEEN
STRUCTURAL ENG:	FAKHER JUBA

DATE: 18-10-2025  
 SCALE: 1:300  
 DRAWING NO: A 01



S-MH  
 Ground Level = 766.68M  
 Invert Level = 762.83  
 Depth = 3.85M

Ware House Level	±0.00.R.C.L	
Ware House Level Top view	+8.50.F.F.L	
Water Well Level	-3.00.R.C.L	
Irrigation Tank Level	-6.00.R.C.L	
Guard Room Level	-0.28.F.F.L -0.40.R.C.L	
Guard Room Level Top view	-2.72.R.C.L	

64.70 M2	Water Well Area عبارة مياه
915.30 M2	Ware House Building Area
31.40 M2	Guard Room Building Area
50.00 M2	Irrigation Tank
1061.40 M2	Total

Note: ±0.00R.C.L = 767.20 Sea Level

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	SECTION NUMBER	REFERENCE DETAIL SHEET NUMBER
	FLOOR FINISH LEVEL (F.F.L)	REINFORCEMENT CONCRETE LEVEL (R.C.L)
	LEVEL SIGN IN PLAN	WINDOW NUMBER
	LEVEL SIGN IN PLAN	REFERENCE DETAIL SHEET NUMBER
	RC CONCRETE FOR COLUMNS	RC CONCRETE FOR WALLS
	CONCRETE	STONE WALL
	BREKLOW BLOCKS	CEMENT TILE
	FERRAZZO TILE	LOCAL MARBLE
	Water Caster	R.C.L. FIN. CONCRETE LEVEL
	F.F.L. FINISH FLOOR LEVEL	S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
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(2)		
(3)		

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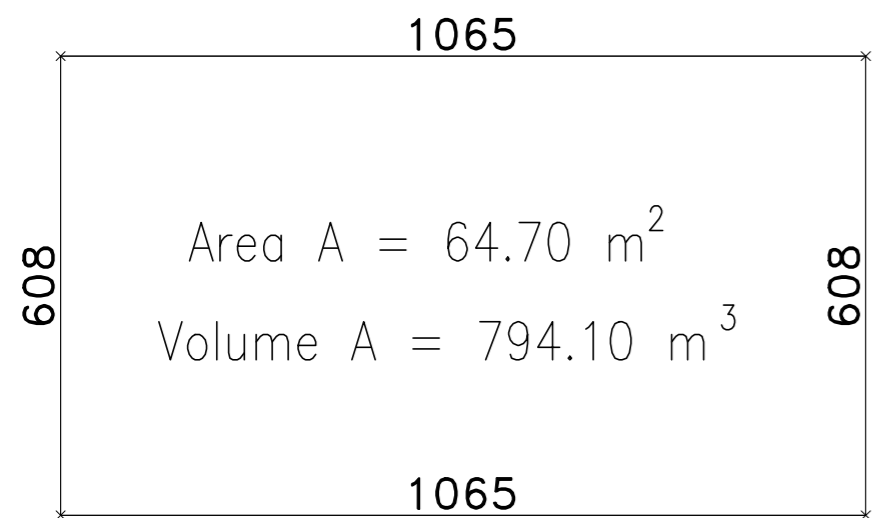
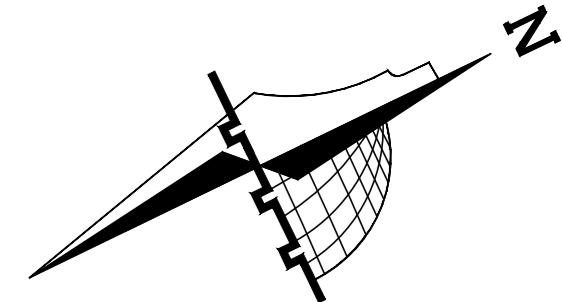
OWNER:

PROJECT:  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

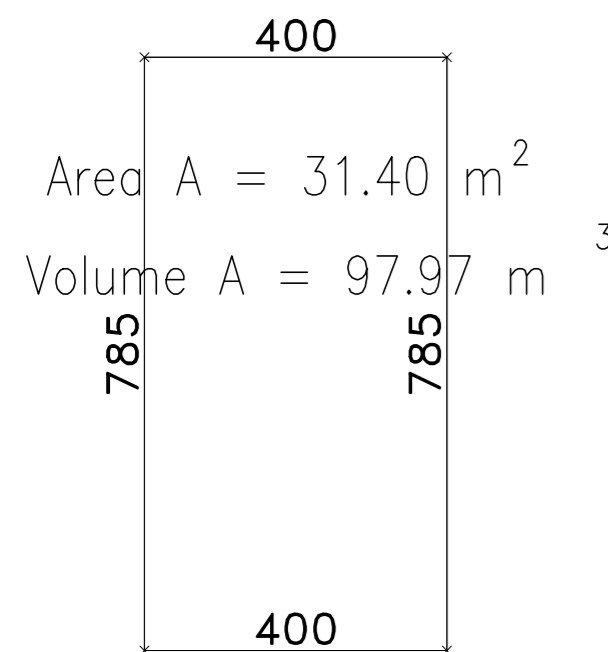
DRAWING TITLE  
 Site plan  
 ARCH ENG: DUHA ABDEEN  
 STRUCTURAL ENG: FAKHER JUBA

DATE: 18-10-2025  
 SCALE: 1:300  
 DRAWING NO: A 02



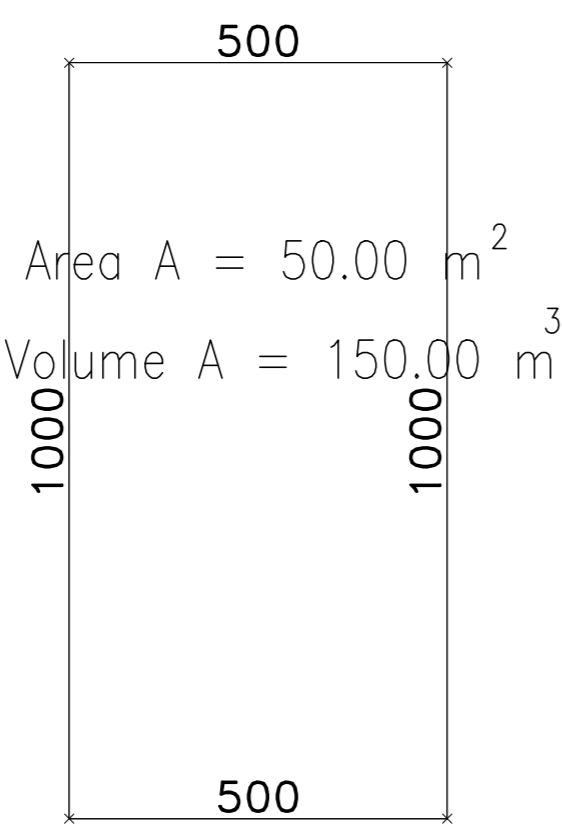
Water Well

Scale 1-100



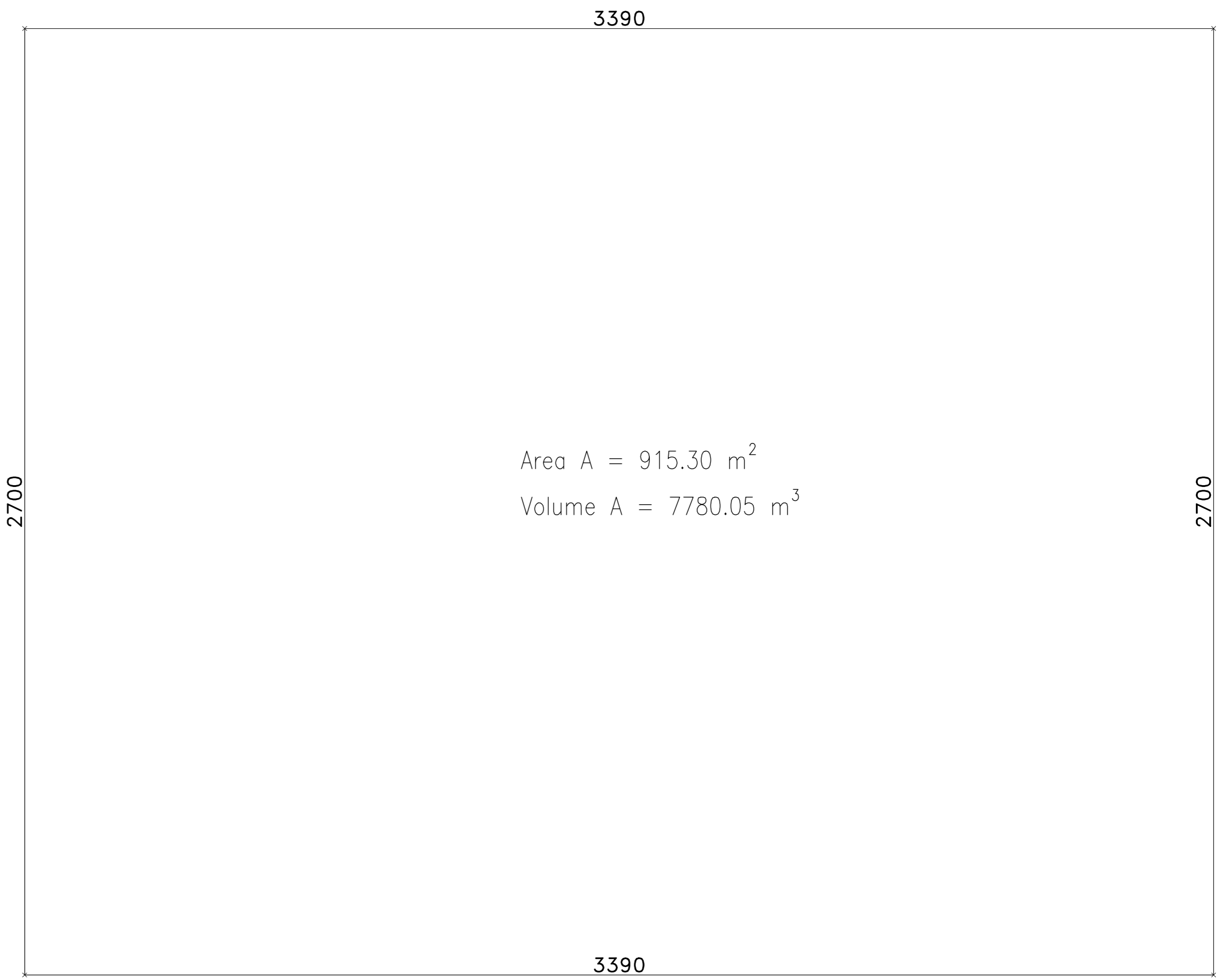
Guard Room Building

Scale 1-100



Irrigation Tank

Scale 1-100



Ware House Building

Scale 1-100

Total Areas & Volume

Floor	Area m <sup>2</sup>	Volume m <sup>3</sup>
Water Well	64.70	194.10
Ware House Building	915.30	7780.05
Guard Room Building	31.40	97.97
Irrigation Tank	50.00	150.00
<b>Total Area</b>	<b>1061.40</b>	<b>8222.12</b>

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± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		RC CONCRETE FOR COLUMNS
	REFERENCE DETAIL SHEET NUMBER		RC CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		STONE WALL
	LEVEL MARK IN PLAN		HOLLOW BLOCKS
	WINDOW NUMBER		CEMENT TILE
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE
	Water Center		LOCAL MARBLE
	R.C.L. REIN. CONCRETE LEVEL		F.F.L. FINISH FLOOR LEVEL
	S.L. - SEA LEVEL		Insulation

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**

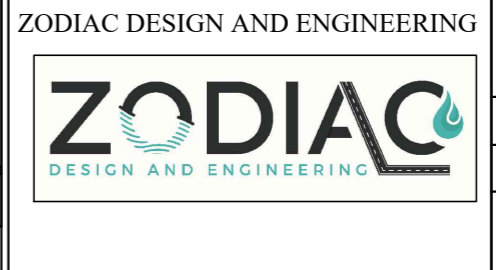


**PROJECT:**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**



**DRAWING TITLE**

<b>Area Plans</b>	
ARCH ENG :	DUHA ABDEEN
STRUCTURAL ENG:	FAKHER JUBA

**DATE:**

18-10-2025  
SCALE: 1:100  
DRAWING NO: A 03

Windows table

Number	Count	Width cm	length cm	Material
<i>W1</i>	5	400	150	Aluminum Laminated Glass
<i>W2</i>	1	500	150	Aluminum Laminated Glass
<i>W3</i>	3	120	130	Aluminum Laminated Glass
<i>W4</i>	1	110	130	Aluminum Laminated Glass
<i>W5</i>	1	80	78	Aluminum Laminated Glass
<i>W6</i>	20	350	200	Aluminum Laminated Glass

Doors table

Number	Count	Width cm	length cm	Material
<i>D01</i>	3	600	600	Steel
<i>D02</i>	1	290	600	Steel
<i>D03</i>	4	100	210	Fire-resistant steel door for 120 minutes, self-closing and impermeable to smoke
<i>D04</i>	3	100	210	Wood
<i>D05</i>	4	80	210	Wood
<i>D06</i>	1	100	222	Steel
<i>D07</i>	1	160	222	Steel
<i>D08</i>	1	80	210	Wood
<i>D09</i>	1	400	600	Steel

External Doors table

Number	Count	Width cm	length cm	Material
<i>D10</i>	1	400	2.11	Steel

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**Legend:**

SECTION NUMBER	RC CONCRETE FOR COLUMNS
REFERENCE SHEET NUMBER	RC CONCRETE FOR WALLS
FLOOR FINISH LEVEL OF F.F.L	CONCRETE
REINFORCEMENT CONCRETE LEVEL (R.C.L.)	STONE WALL
LEVEL SHOWN IN PLAN	BRICKWORK
WINDOW NUMBER	Water Center
REFERENCE DETAIL SHEET NUMBER	TERRAZZO TILE
	LOCAL MARBLE
	F.F.L. FINISH FLOOR LEVEL
	S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**

ZODIAC DESIGN AND ENGINEERING



**DRAWING TITLE**

Window & Door Schedules

**ARCH ENG :**

DUHA ABDEEN

**STRUCTURAL ENG:**

FAKHER JUBA

DATE:

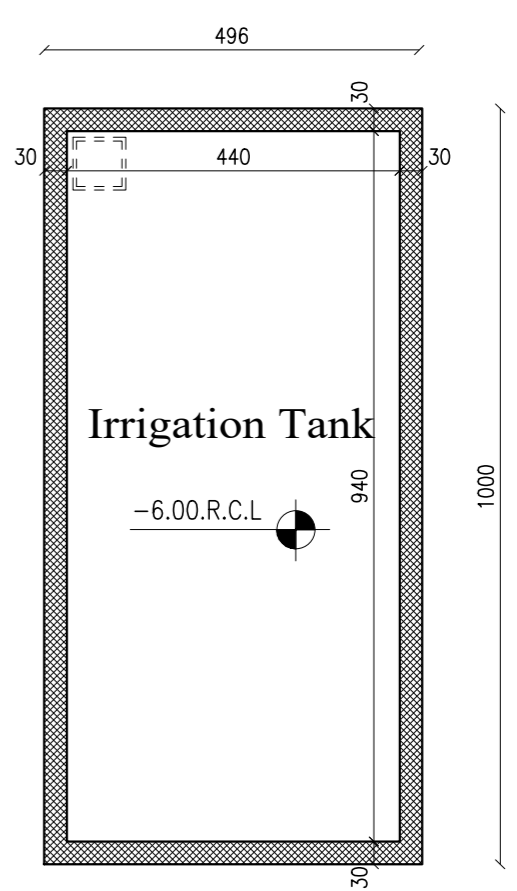
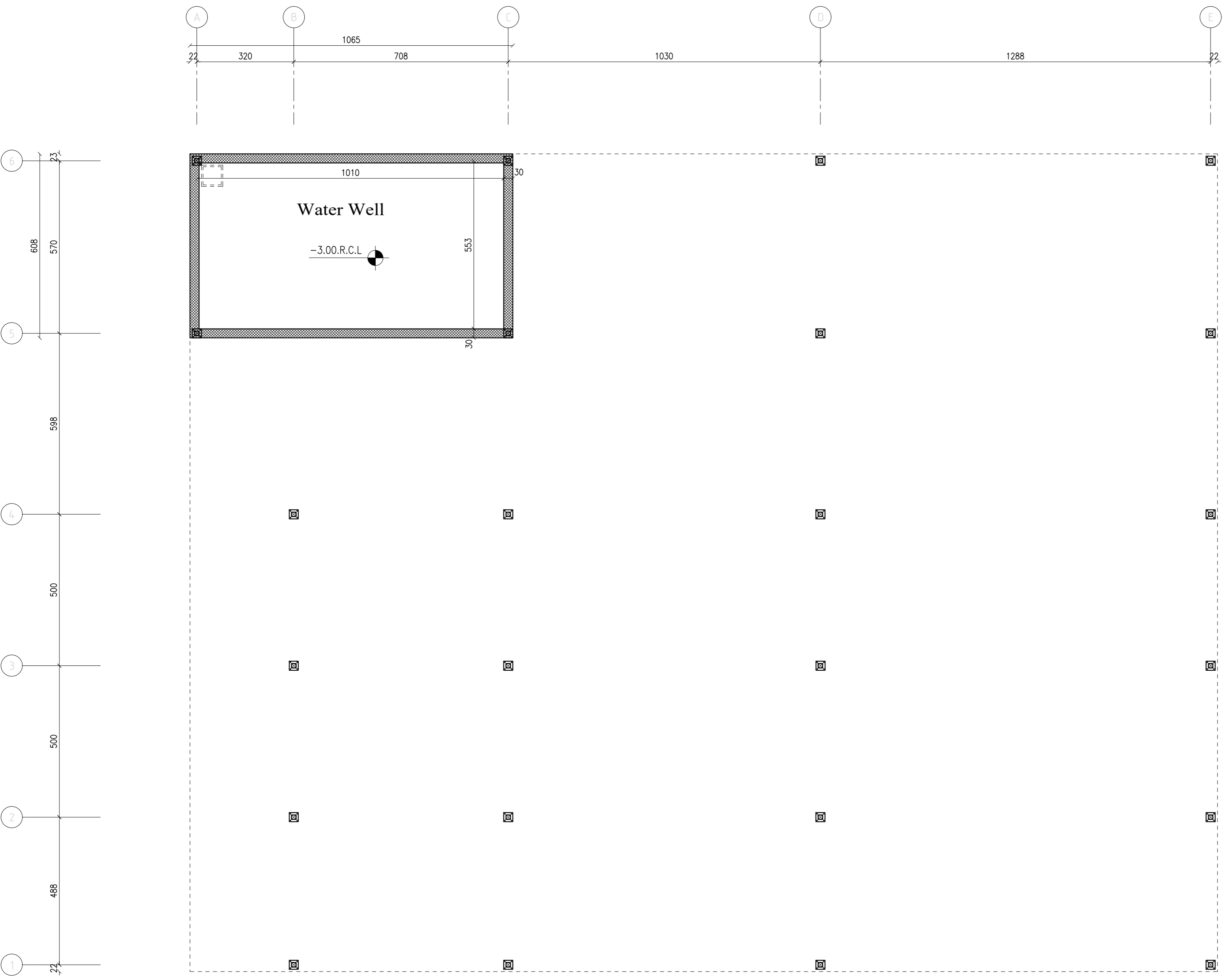
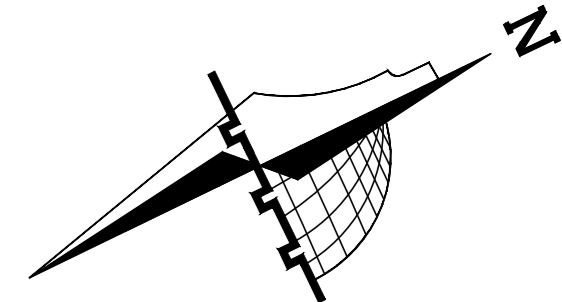
18-10-2025

SCALE:

1:100

DRAWING NO:

A 04



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**Legend:**

	SECTION NUMBER		REFERENCE DETAIL SHEET NUMBER
	FLOOR FINISH LEVEL OF F.L.		REINFORCEMENT CONCRETE LEVEL (R.C.L.)
	LEVEL SIGN IN PLAN		Water Center
	WINDOW NUMBER		R.C.L. REIN. CONCRETE LEVEL
	REFERENCE DETAIL SHEET NUMBER		LOCAL MARBLE
	RC CONCRETE FOR COLUMNS		LOCAL MARBLE
	RC CONCRETE FOR WALLS		S.L. - SEA LEVEL
	CONCRETE		
	STONE WALL		
	BRICKWORK		
	CEMENT TILE		
	TERRAZZO TILE		

REVISIONS		
NO.	DRAWINGS	DATE
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OWNER:

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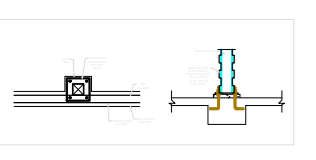
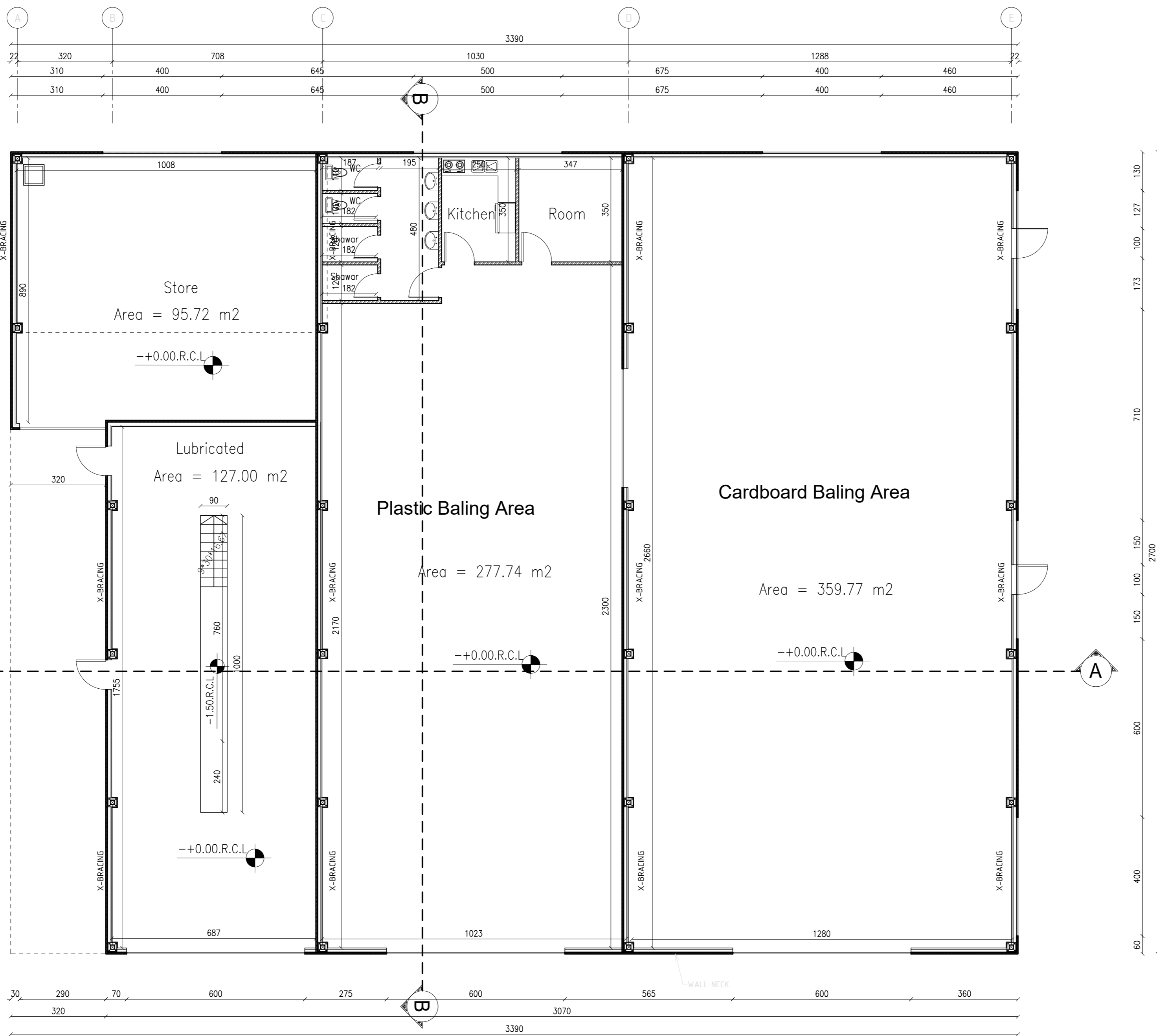
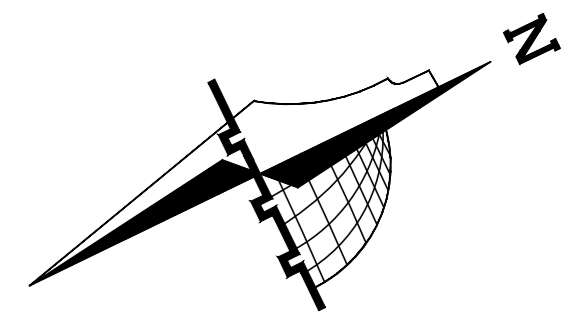
TENDER NO. :

DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Water Well Irrigation Tank	
ARCH ENG :	DUHA ABDEEN	
STRUCTURAL ENG:	FAKHER JUBA	

DATE:	18-10-2025
SCALE:	1:100
DRAWING NO:	A 05



**NOTES**

- (1) ALL DIMENSIONS ARE IN CM.
  - (2) ALL LEVELS ARE IN METER
  - (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
  - (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.
  - (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.
- ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

Legend:		ROOM NUMBER REFERENCE DETAIL SHEET NUMBER	
	SECTION NUMBER		RC CONCRETE FOR COLUMNS
	REFERENCE SHEET NUMBER		RC CONCRETE FOR WALLS
	REFERENCE DETAIL SHEET NUMBER		CONCRETE
	FLOOR FINISH LEVEL (F.F.L.)		STONE WALL
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		HOLLOW BLOCKS
	LEVEL MARK IN PLAN		CEMENT TILE
	WINDOW NUMBER		Water Caster
	REFERENCE DETAIL SHEET NUMBER		R.C.L. REIN. CONCRETE LEVEL
			F.F.L. FINISH FLOOR LEVEL
			LOCAL MARBLE
			S.L. SEA LEVEL
			Insulation

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT:

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

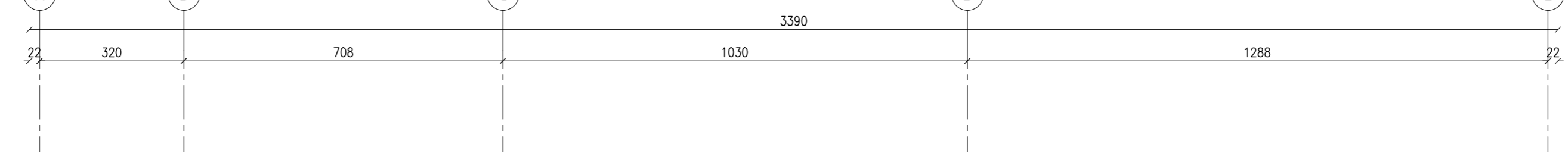
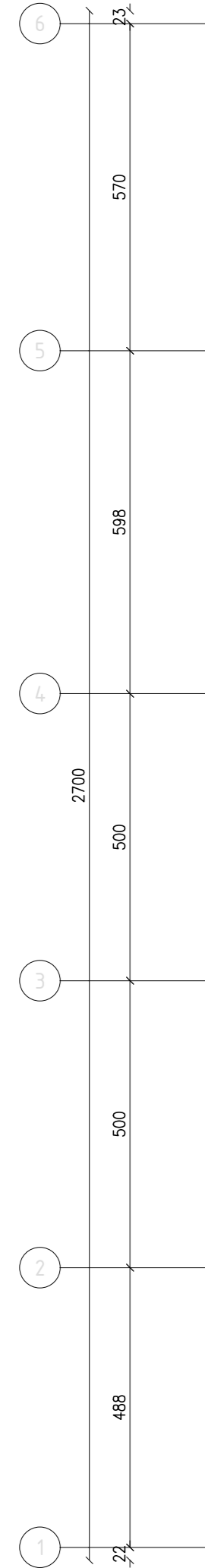
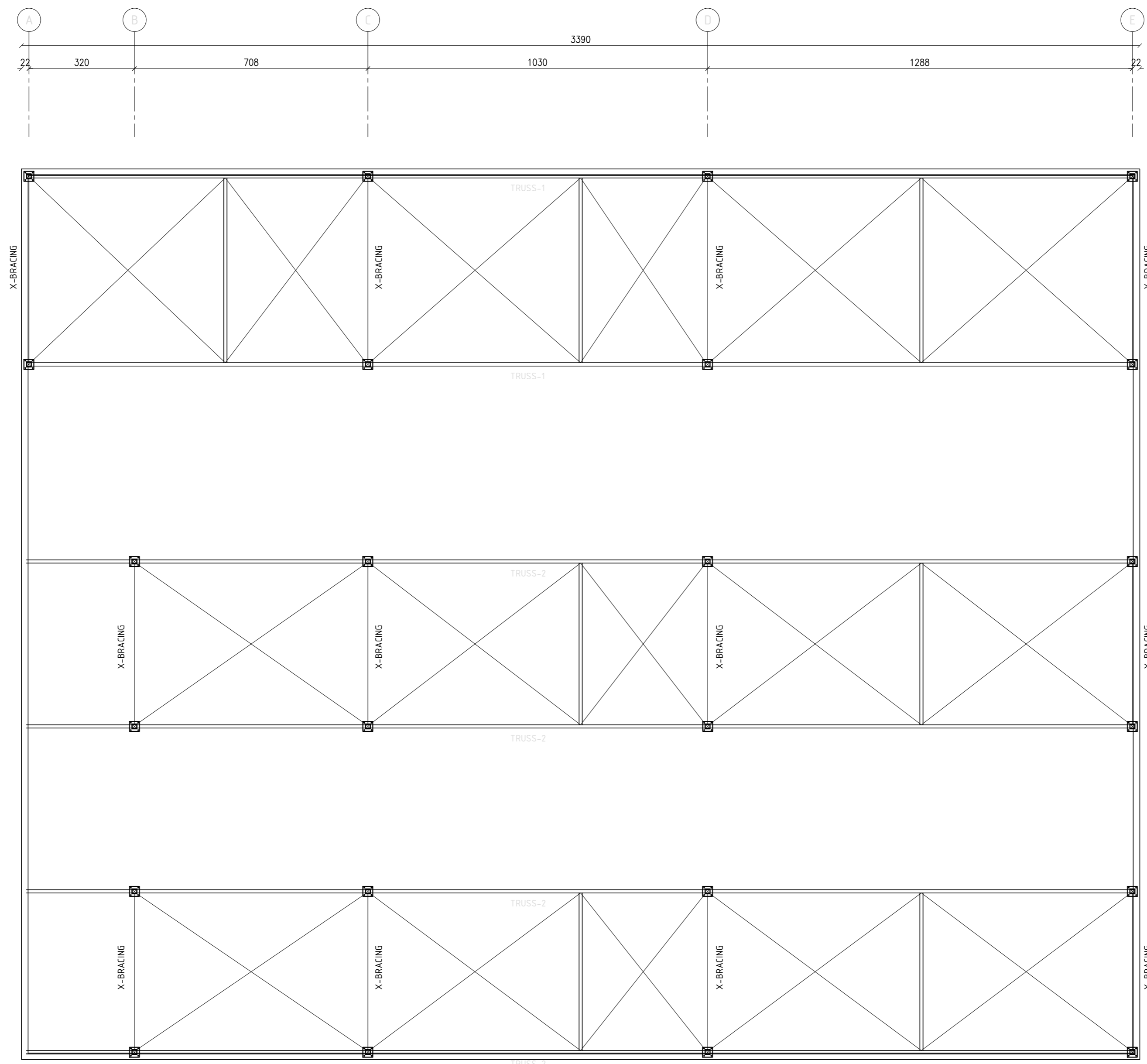
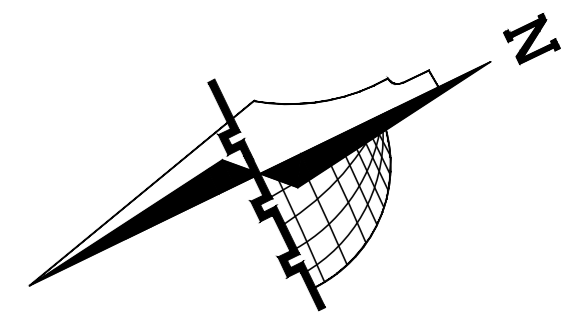
TENDER NO. :

DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Warehouse Building Dimension
ARCH. ENG. :	DUHA ABDEEN
STRUCTURAL ENG.:	FAKHER JUBA

DATE:	18-10-2025
SCALE:	1:100
DRAWING NO.:	A 06



**NOTES**  
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 (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.  
 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  
 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

SECTION NUMBER	DOOR NUMBER	RC CONCRETE FOR COLUMNS	RC CONCRETE FOR WALLS
REFERENCE SHEET NUMBER	CONCRETE	STONE WALL	BRICKWORK
FLOOR FINISH LEVEL (F.F.L)	REINFORCEMENT CONCRETE LEVEL (R.C.L)	BRICKWORK	Water Center
LEVEL SIGN IN PLAN	CEMENT TILE	TERRAZZO TILE	R.C.L. REIN. CONCRETE LEVEL
WINDOW NUMBER	LOCAL MARBLE	LOCAL MARBLE	F.F.L. FINISH FLOOR LEVEL
REFERENCE DETAIL SHEET NUMBER	Isolock	Isolock	S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

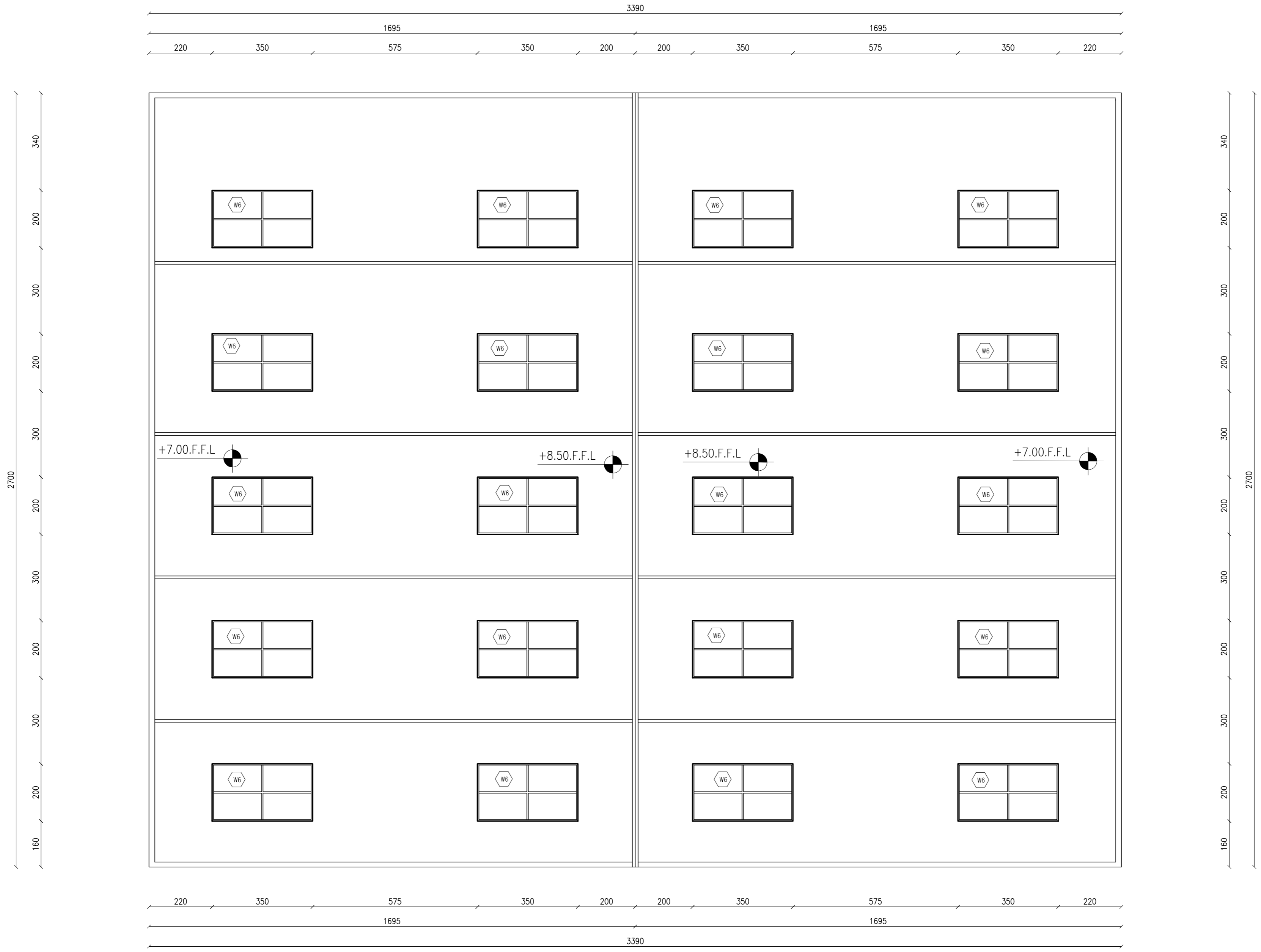
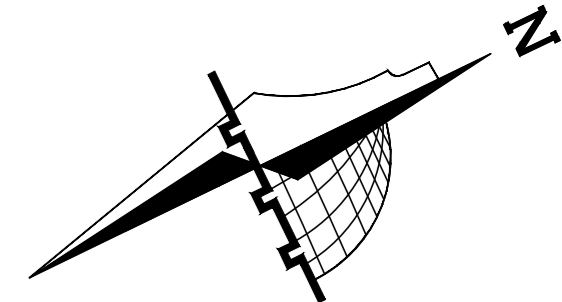
OWNER:

PROJECT :  
**Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.**  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Top Roof-Lower Framing Layout Warehouse Building
ARCH ENG :	DUHA ABDEEN
STRUCTURAL ENG:	FAKHER JUBA

DATE: 18-10-2025  
 SCALE: 1:100  
 DRAWING NO: A 07



**NOTES**

- (1) ALL DIMENSIONS ARE IN CM.
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- (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.
- (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL  $\pm 0.00$ .

ZERO LEVEL:  
 $\pm 0.00 = R.C.L. = 767.20$  FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		REFERENCE DETAIL SHEET NUMBER
	FLOOR FINISH LEVEL OF F.L.L		REINFORCEMENT CONCRETE LEVEL (R.C.L.)
	LEVEL SHOWN IN PLAN		WINDOW NUMBER
	DOOR NUMBER		RC CONCRETE FOR COLUMNS
	CONCRETE		RC CONCRETE FOR WALLS
	STONE WALL		BRICKWORK
	BLOCKWORK		CEMENT TILE
	TERRAZZO TILE		LOCAL MARBLE
	Water Center		F.F.L. FINISH FLOOR LEVEL
	S.L. - SEA LEVEL		

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT :

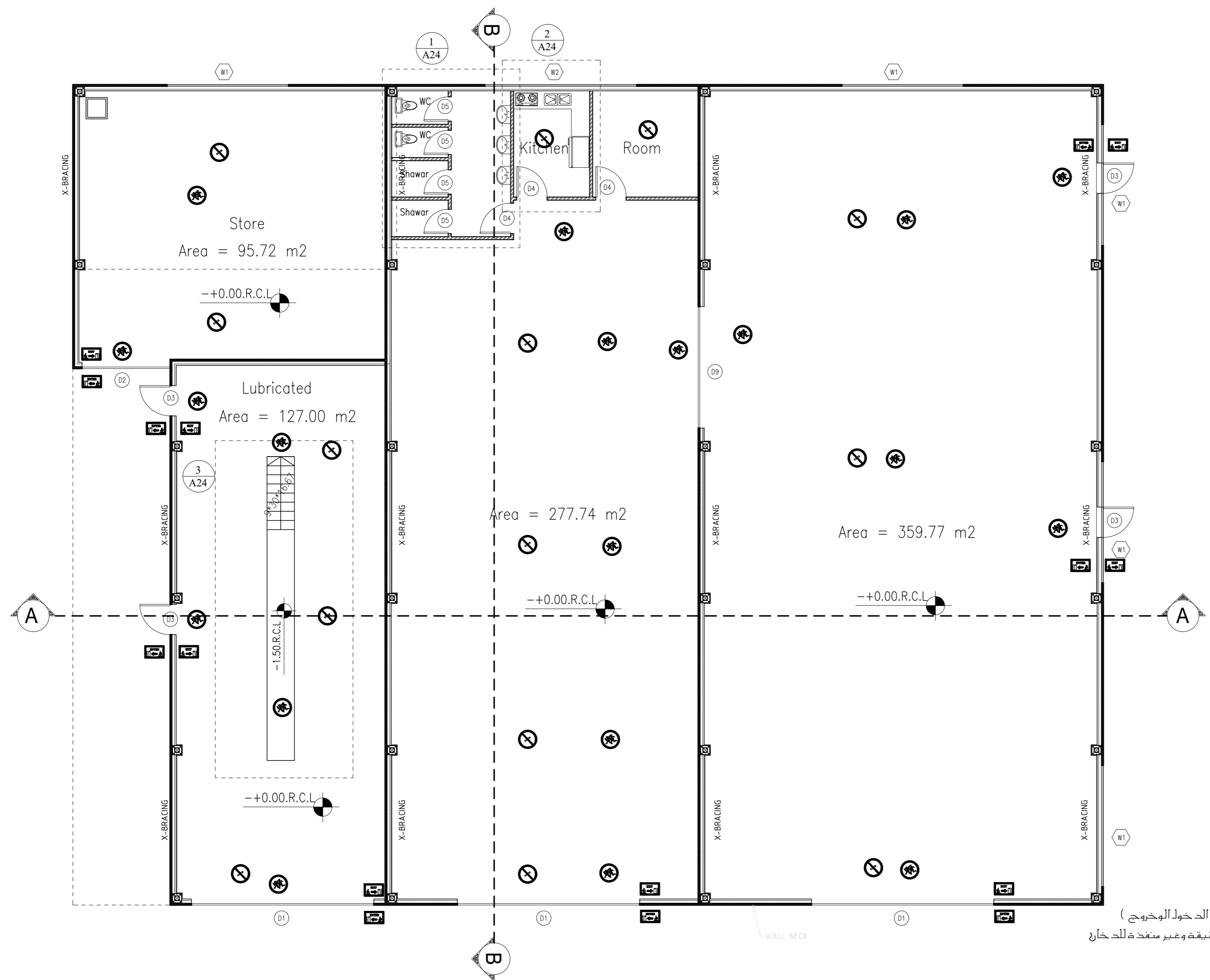
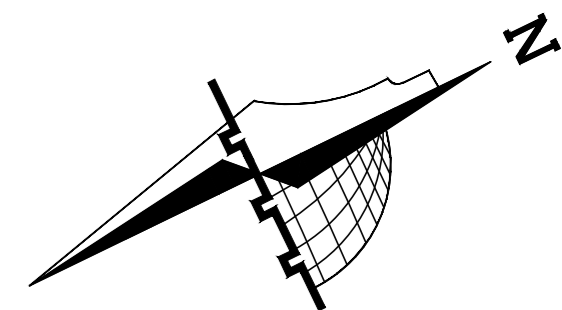
Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Warehouse Building Top View Dimension	DATE: 18-10-2025
ARCH ENG :	DUHA ABDEEN	SCALE: 1:100
STRUCTURAL ENG:	FAKHER JUBA	DRAWING NO: A 08



جدول الاشارات

الرمز	الوصف
	مدخل سيارات
	مخرج سيارات
	مدخل على بيت درج
	مخرج من بيت درج
	ممنوع التدخين
	مخرج طوارئ
	طفاية حريق

- تطبيق اجراءات السلامة العامة في المواقع (مرايا عاكسة وتحديد مسارات الدخول والخروج)
- جميع المخارج وغرف الخدمة محمية بابواب مقاومة للحريق لمدة ١٢ دقيقة وغير منفذة للدخان وتفتح باتجاه مسار المروب وذاتية الالغلق
- جميع الدراج محمية بدرابزينات بارتفاع ٩٠ سم
- جميع التصويبات والترسات محمية بدرابزينات بارتفاع ١٢٠ سم
- توفير جميع الاشارات الانشائية بكافة اشكالها ( ممنوع التدخين وخطر الكهرباء و..... ) حسب ما يطلبه الدفاع المدني
- جميع الفتحات والمناور معزولة عرلا عموديا او افقيا بمواد مقاومة للحريق
- عرلا اختراقات التمددات في جميع الطوابق بمواد مقاومة للحريق موافق عليها من الدفاع المدني
- الرخام المستخدم للدراج من النوع المانع للانزلاق
- رجاج النوافذ المستخدم في الروضة من نوع الجيلاتين ( Laminated Glass )

**NOTES**  
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 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  
 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	DOOR NUMBER		RC CONCRETE FOR COLUMNS
	REFERENCE SHEET NUMBER		RC CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L)		STONE WALL
	LEVEL SIGN IN PLAN		HOLLOW BLOCKS
	WINDOW NUMBER		CEMENT TILE
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE
	DOOR NUMBER		LOCAL MARBLE
	REFERENCE DETAIL SHEET NUMBER		Interlock
	DOOR NUMBER		R.C.L. Rein. CONCRETE LEVEL
	REFERENCE DETAIL SHEET NUMBER		F.F.L. FINISH FLOOR LEVEL
	DOOR NUMBER		S.L. SEA LEVEL

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

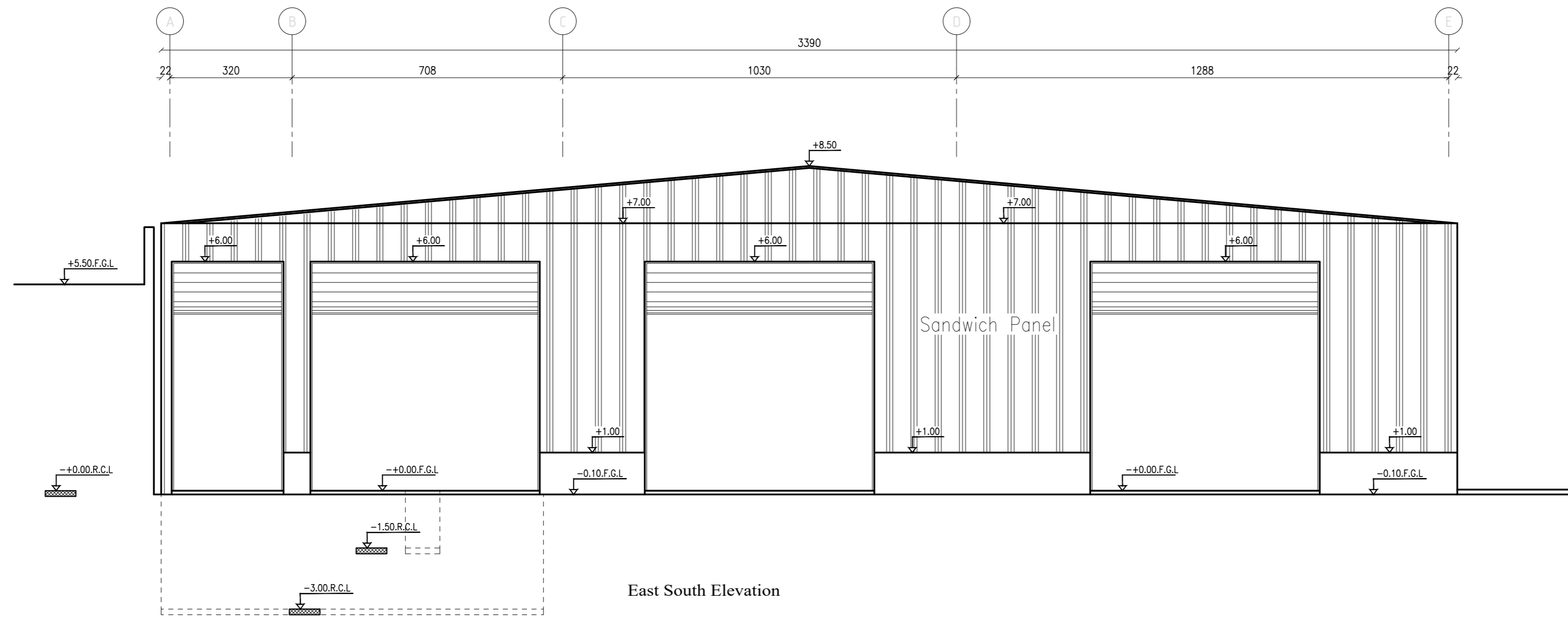
OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

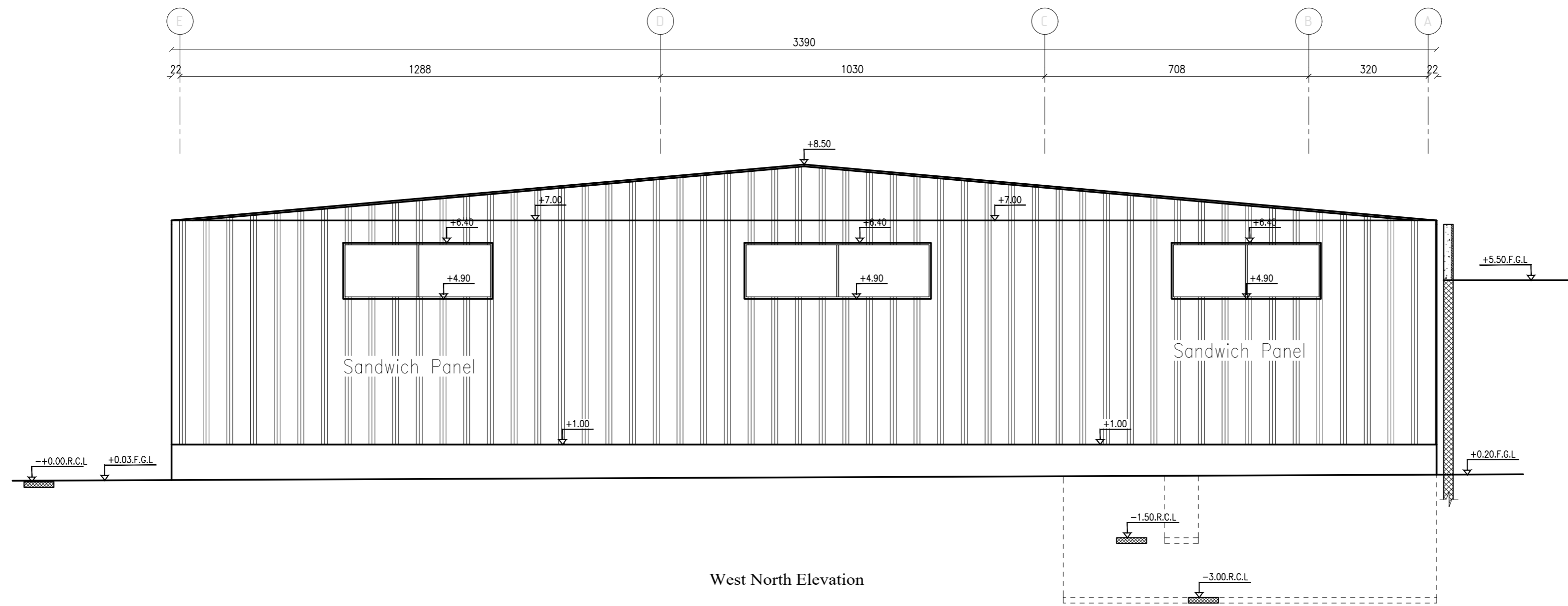
DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Warehouse Building Furniture
ARCH ENG :	DUHA ABDEEN
STRUCTURAL ENG:	FAKHER JUBA

DATE: 18-10-2025  
 SCALE: 1:100  
 DRAWING NO: A 09



East South Elevation



West North Elevation

**NOTES**

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- ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE SHEET NUMBER		RC CONCRETE FOR COLUMNS
	FLOOR FINISH LEVEL (F.F.L.)		RC CONCRETE FOR WALLS
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		CONCRETE
	LEVEL SHOWN IN PLAN		STONE WALL
	WINDOW NUMBER		BRICKWORK
	REFERENCE DETAIL SHEET NUMBER		CEMENT TILE
			Water Center
			TERRAZZO TILE
			R.C.L. REIN. CONCRETE LEVEL
			LOCAL MARBLE
			F.F.L. FINISH FLOOR LEVEL
			S.L. - SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT:**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**

ZODIAC DESIGN AND ENGINEERING



**DRAWING TITLE**

Elevations

**ARCH ENG:**

DUHA ABDEEN

**STRUCTURAL ENG:**

FAKHER JUBA

DATE:

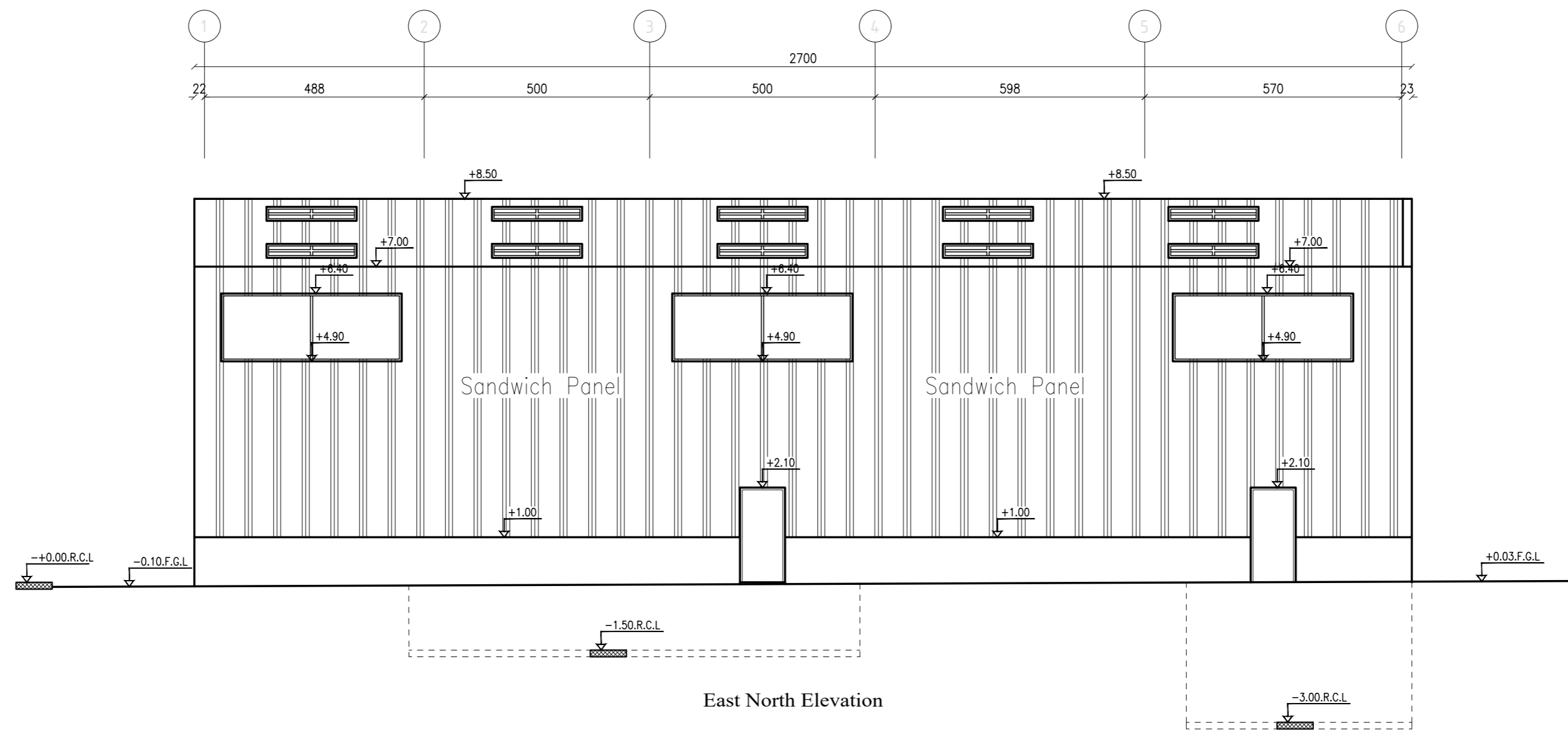
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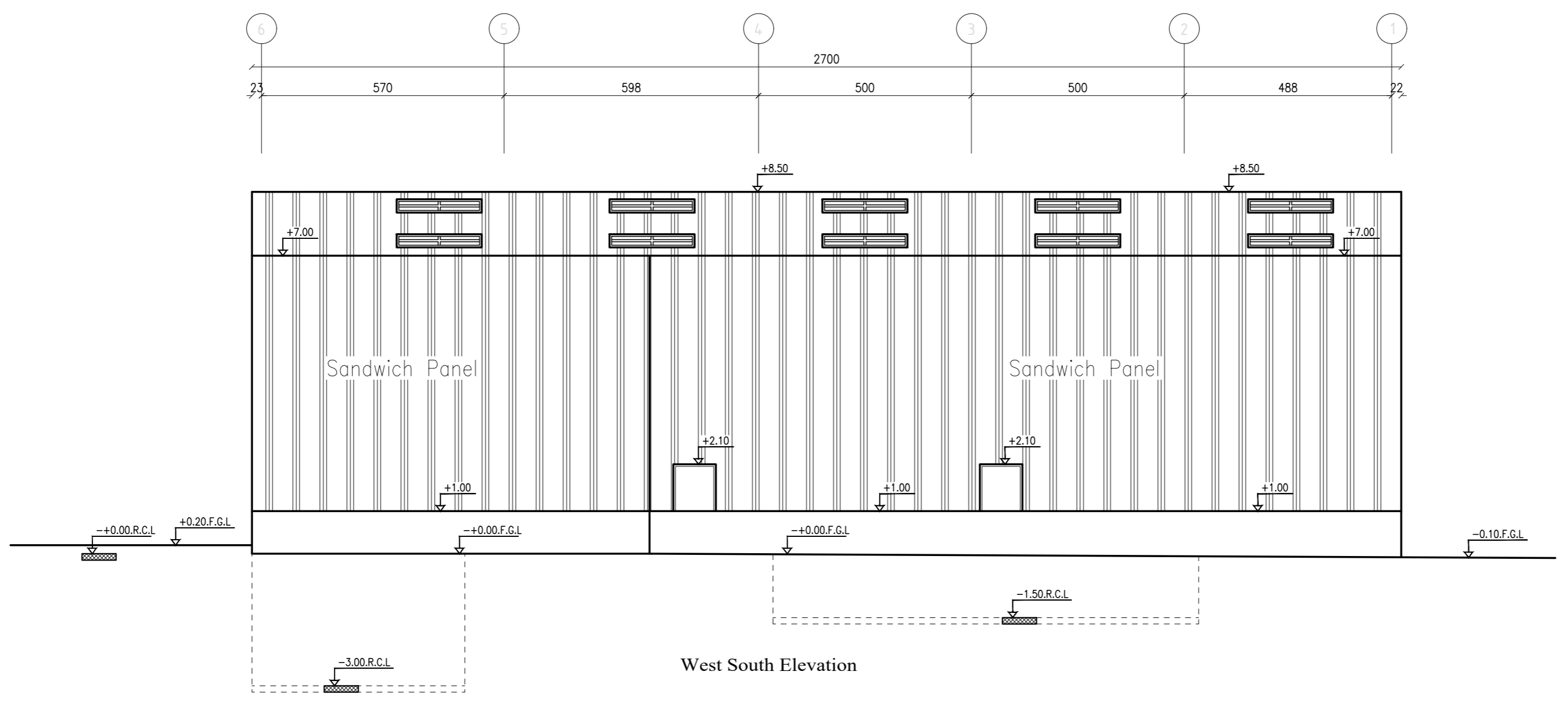
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DRAWING NO.

A 10



East North Elevation



West South Elevation

**NOTES**  
 (1) ALL DIMENSIONS ARE IN CM.  
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 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE SHEET NUMBER		REFERENCE DETAIL SHEET NUMBER
	FLOOR FINISH LEVEL OF F.F.L.		REINFORCEMENT CONCRETE LEVEL (R.C.L.)
	LEVEL SHOWN IN PLAN		WINDOW NUMBER
	REFERENCE DETAIL SHEET NUMBER		RC CONCRETE FOR COLUMNS
			RC CONCRETE FOR WALLS
			CONCRETE
			STONE WALL
			BLOCKWORK
			CEMENT TILE
			TERRAZZO TILE
			LOCAL MARBLE
			Detail
			Water Center
			R.C.L. REIN. CONCRETE LEVEL
			F.F.L. FINISH FLOOR LEVEL
			S.L. - SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

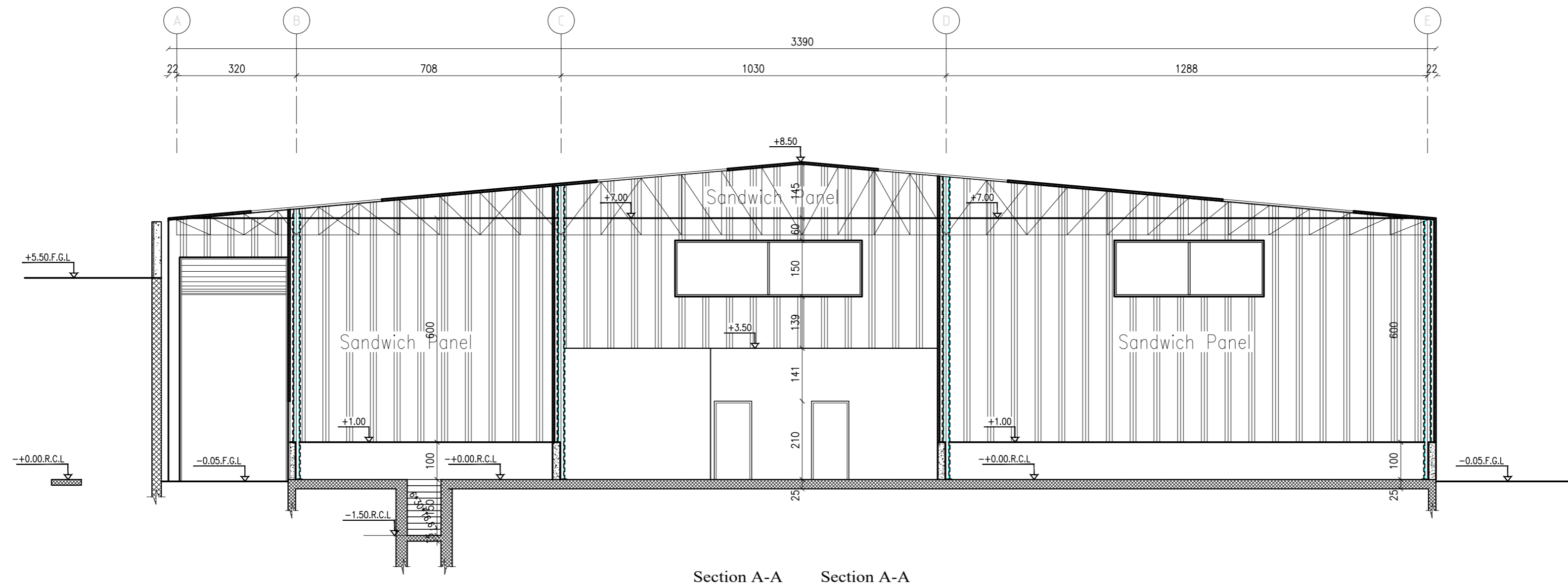
OWNER:

PROJECT:  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

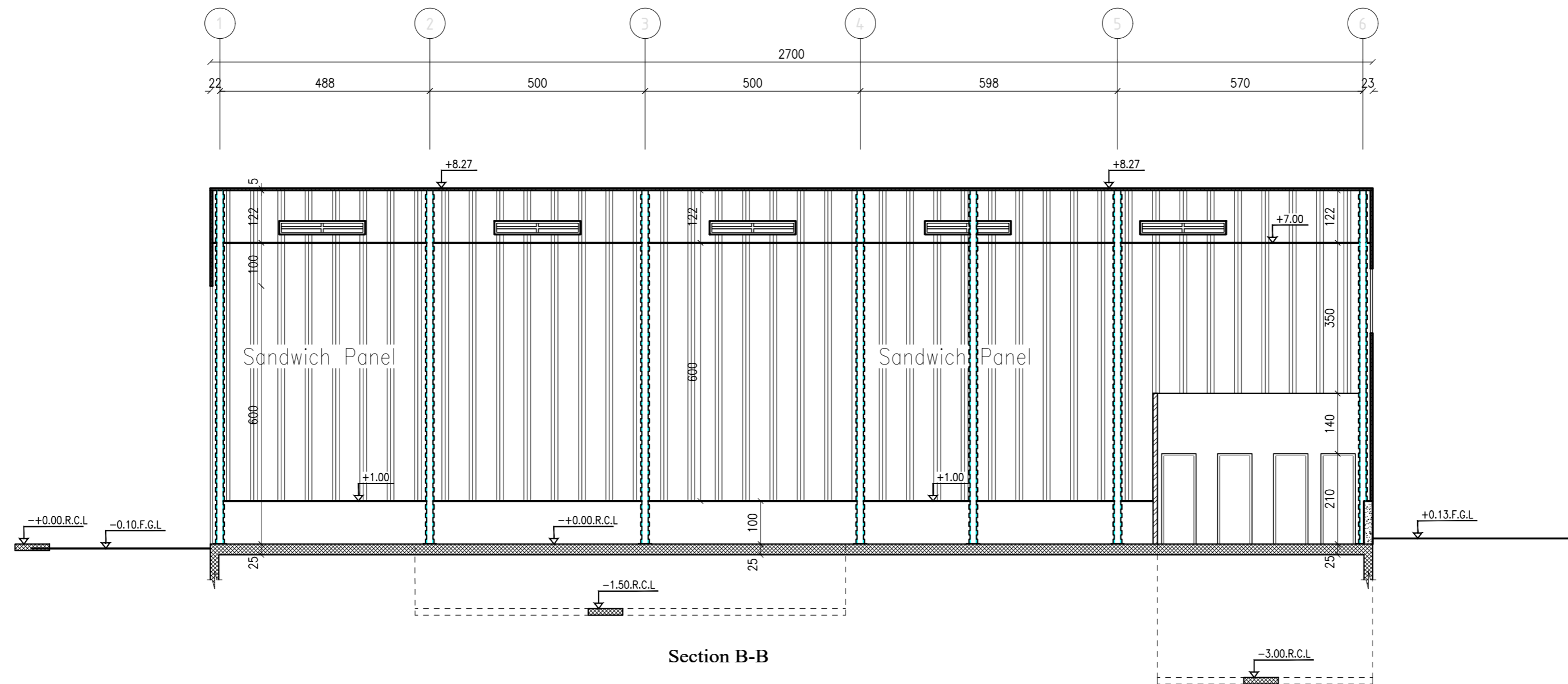
DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Elevations
ARCH. ENG. :	DUHA ABDEEN
STRUCTURAL ENG. :	FAKHER JUBA

DATE: 18-10-2025  
 SCALE: 1:100  
 DRAWING NO: A 11



Section A-A Section A-A



Section B-B

**NOTES**

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**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE SHEET NUMBER		RC CONCRETE FOR COLUMNS
	REFERENCE DETAIL SHEET NUMBER		RC CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		STONE WALL
	LEVEL SIGN IN PLAN		BEAM LOW REBAR
	WINDOW NUMBER		CEMENT TILE
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE
			LOCAL MARBLE
			Water Center
			R.C.L. REIN. CONCRETE LEVEL
			F.F.L. FINISH FLOOR LEVEL
			S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**

ZODIAC DESIGN AND ENGINEERING



**DRAWING TITLE**

Sections

**ARCH ENG :**

DUHA ABDEEN

**STRUCTURAL ENG:**

FAKHER JUBA

DATE:

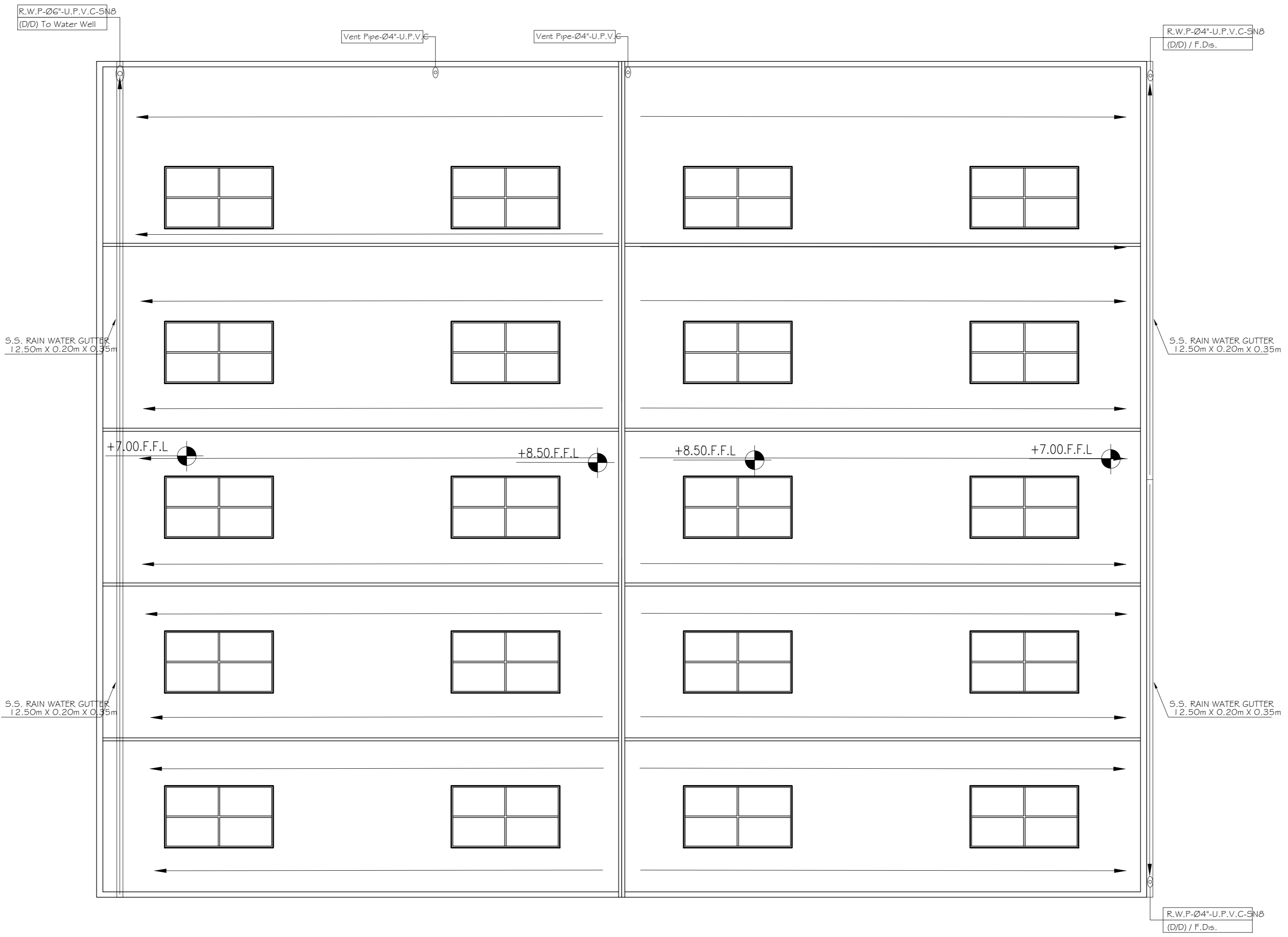
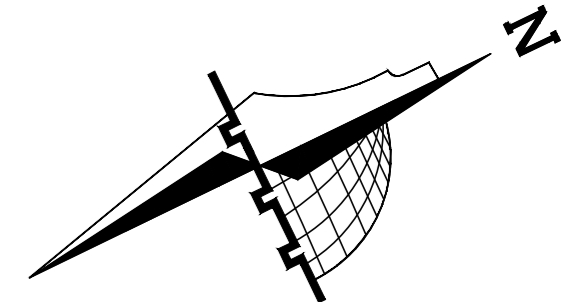
18-10-2025

SCALE:

1:100

DRAWING NO:

A 12



**NOTES**  
 (1) ALL DIMENSIONS ARE IN CM.  
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**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE SHEET NUMBER		RC CONCRETE FOR COLUMNS
	FLOOR FINISH LEVEL (F.F.L)		RC CONCRETE FOR WALLS
	REINFORCEMENT CONCRETE LEVEL (R.C.L)		CONCRETE
	LEVEL SHOWN IN PLAN		STONE WALL
	WINDOW NUMBER		BRICKWORK
	REFERENCE DETAIL SHEET NUMBER		CEMENT TILE
			Water Cover
			TERRAZZO TILE
			LOCAL MARBLE
			F.F.L. FINISH FLOOR LEVEL
			S.L. SEA LEVEL

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

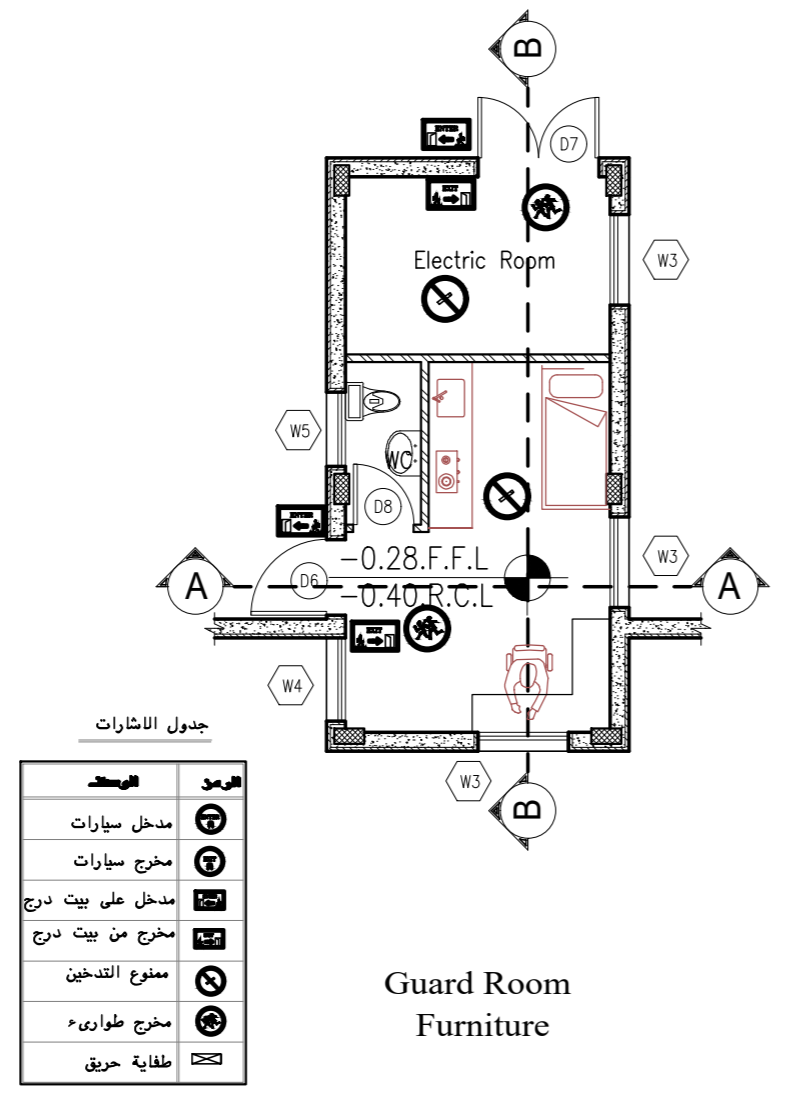
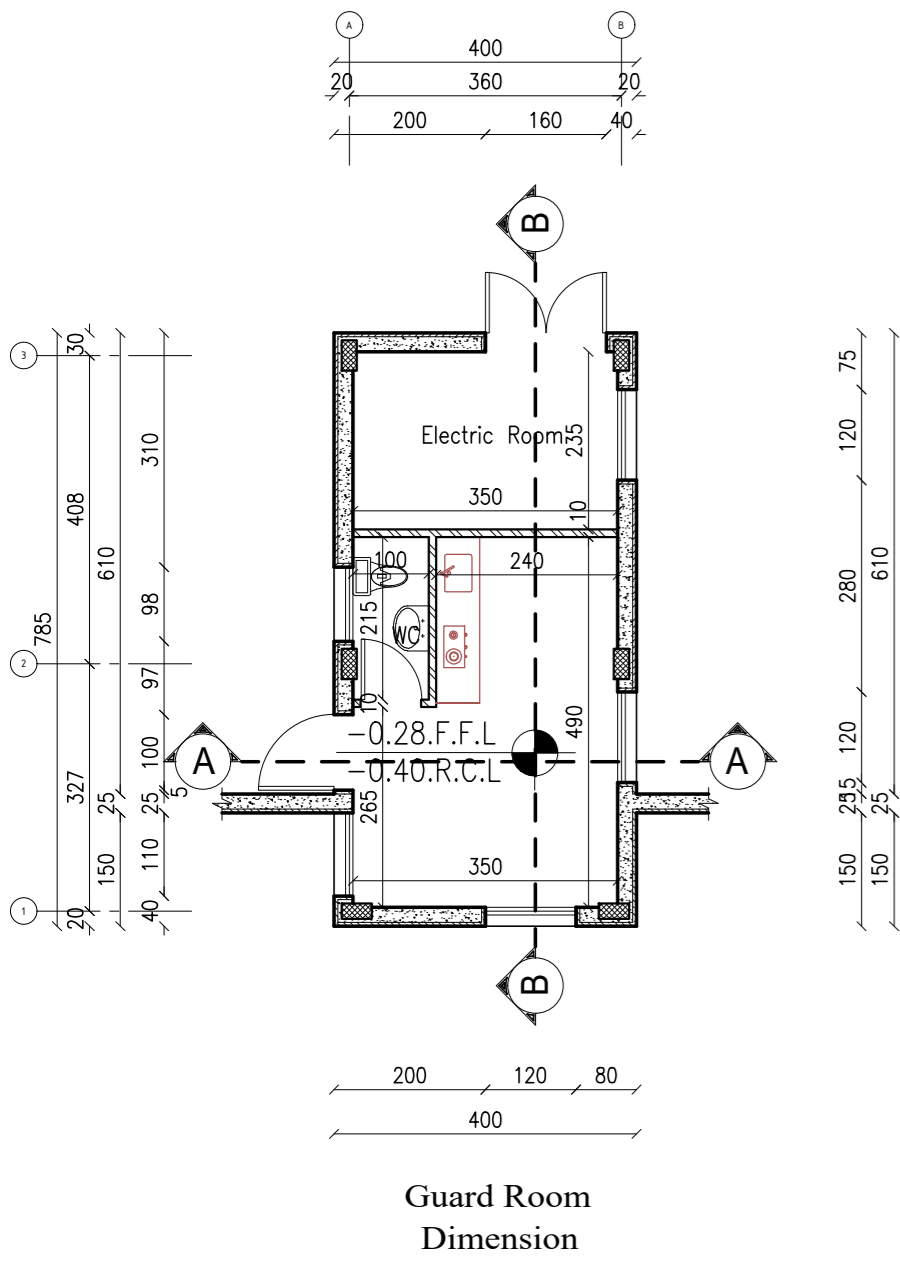
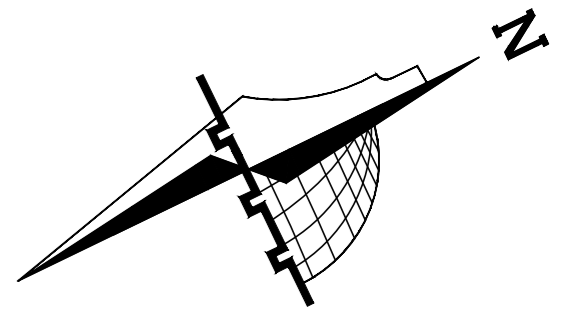
OWNER:

PROJECT:  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

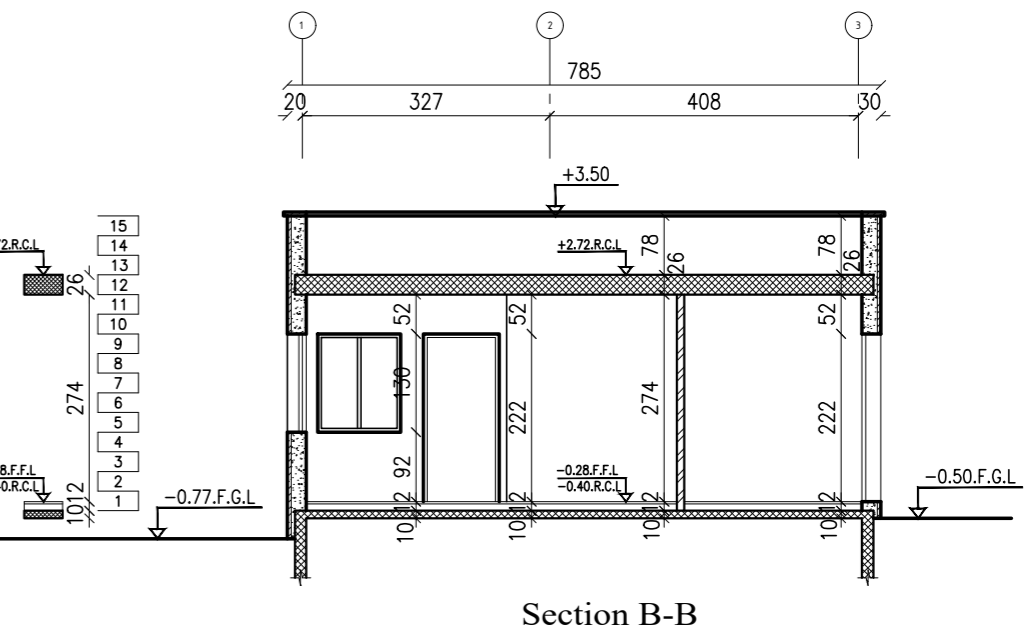
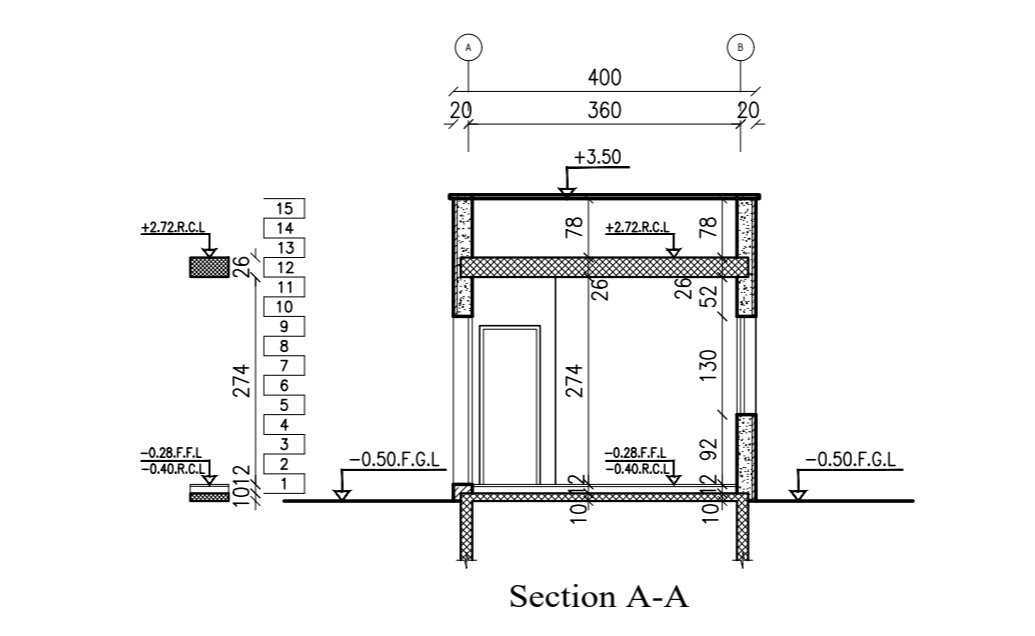
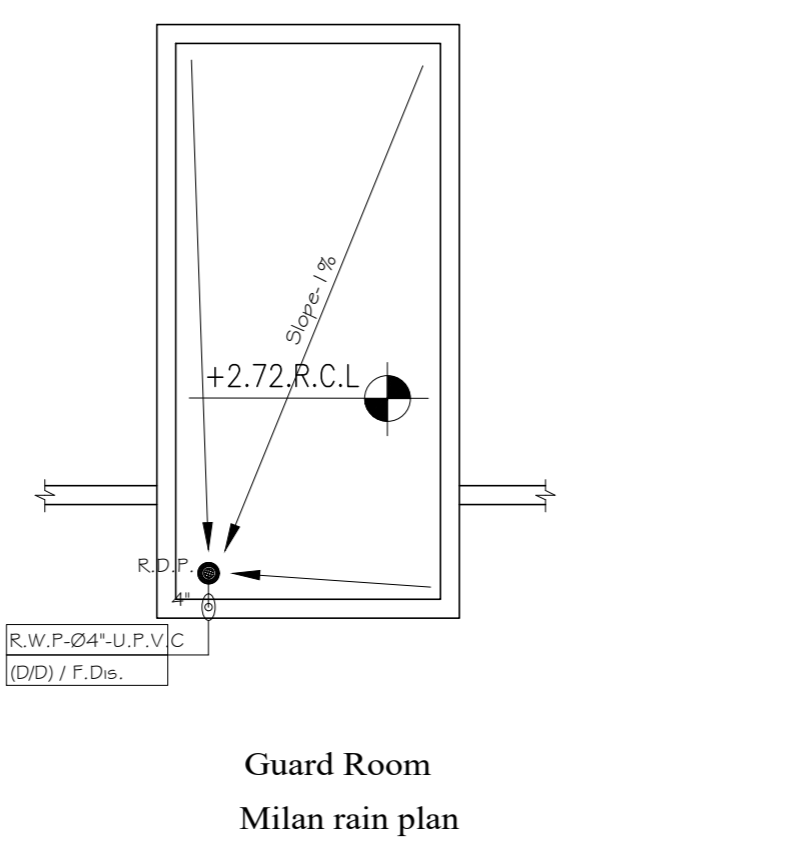
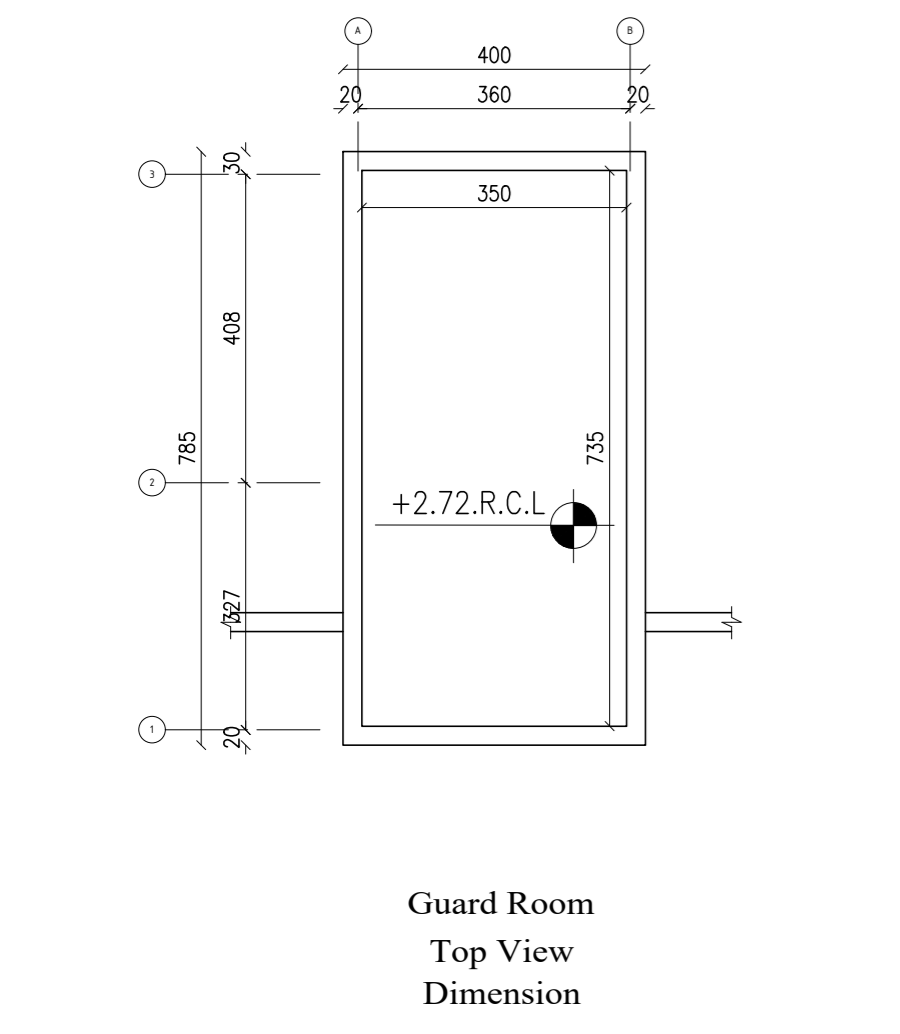
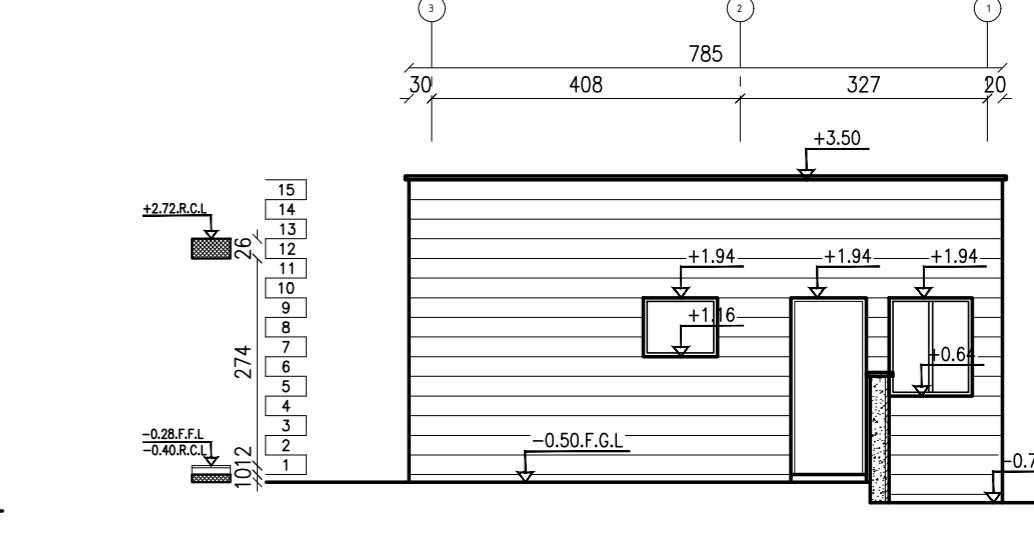
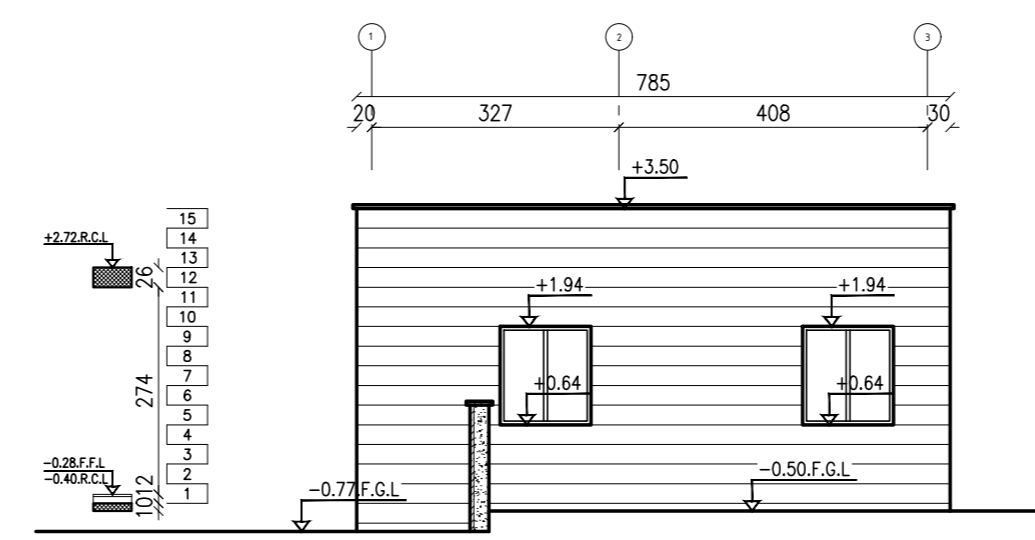
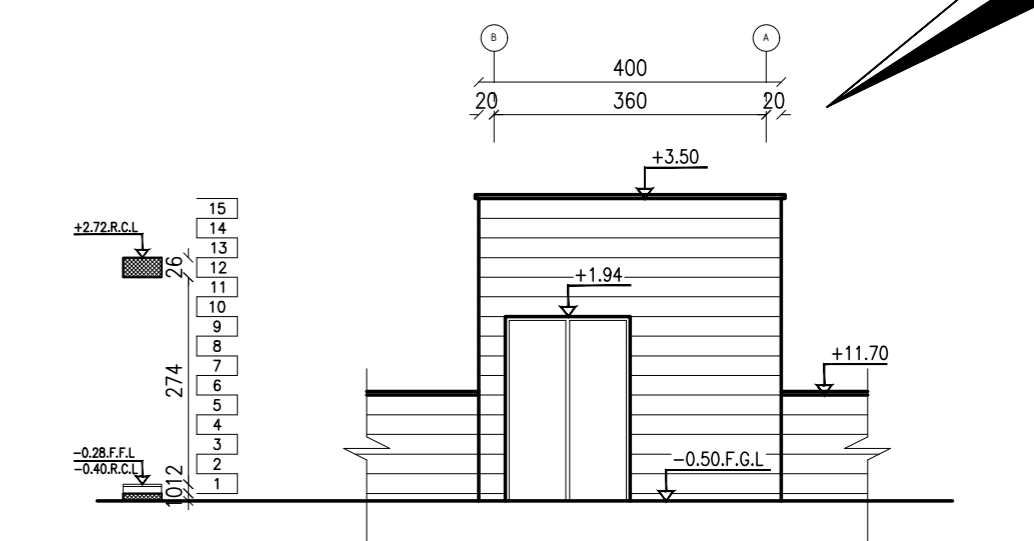
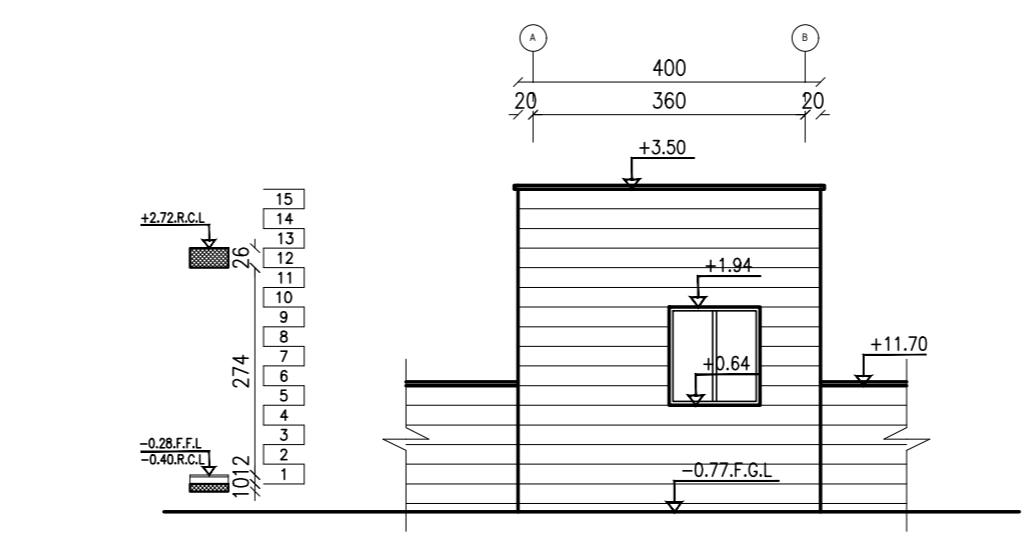
DRAWING TITLE	Warehouse Building Top View Milan rain plan	
ARCH ENG :	DUHA ABDEEN	
STRUCTURAL ENG:	FAKHER JUBA	

DATE: 18-10-2025  
 SCALE: 1:100  
 DRAWING NO: A 13



جدول الاشارات

مدخل سيارات	⊕
مخرج سيارات	⊖
مدخل على بيت درج	⬆
مخرج من بيت درج	⬆
ممنوع التدخين	⊗
مخرج طوارئ	⊕
مطفاية حريق	⊕



**NOTES**

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- ALL LEVELS ARE IN METER
- ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
- ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.
- LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.

ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

SECTION NUMBER	⊕	DOOR NUMBER	⊕
REFERENCE SHEET NUMBER	⊖	REFERENCE DETAIL SHEET NUMBER	⊕
FLOOR FINISH LEVEL (F.F.L)	⊕	RC CONCRETE FOR COLLUMS	⊕
REINFORCEMENT CONCRETE LEVEL (R.C.L)	⊖	RC CONCRETE FOR WALLS	⊕
LEVEL SHOWN IN PLAN	⊕	CONCRETE	⊕
WINDOW NUMBER	⊕	STONE WALL	⊕
REFERENCE DETAIL SHEET NUMBER	⊖	BEADLOW BLOCKS	⊕
		CEMENT TILE	⊕
		TERRAZZO TILE	⊕
		LOCAL MARBLE	⊕
		Bitumack	⊕
		Water Caster	⊕
		R.C.L. FIN. CONCRETE LEVEL	⊕
		F.F.L. FINISH FLOOR LEVEL	⊕
		S.L. SEA LEVEL	⊕

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:  
**Enabel**

OWNER:  
المجلس المشترك لدراسة النفايات الصلبة  
Joint Service Council For Solid Waste Management Hebron Governorate

PROJECT:  
Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:  
ZODIAC DESIGN AND ENGINEERING

**ZODIAC**  
DESIGN AND ENGINEERING

DRAWING TITLE  
**Guard Room ( Plans, Elevations, Sections )**

ARCH ENG. : DUHA ABDEEN  
STRUCTURAL ENG. : FAKHER JUBA

DATE: 18-10-2025  
SCALE: 1:100  
DRAWING NO: A 14



**NOTES**  
 (1) ALL DIMENSIONS ARE IN CM.  
 (2) ALL LEVELS ARE IN METER  
 (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.  
 (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.  
 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  
 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

SECTION NUMBER REFERENCE SHEET NUMBER	RC CONCRETE FOR COLUMNS	DOOR NUMBER REFERENCE DETAIL SHEET NUMBER
FLOOR FINISH LEVEL OF F.F.L	RC CONCRETE FOR WALLS	CONCRETE
REINFORCEMENT CONCRETE LEVEL (R.C.L.)	STONE WALL	BLOCKWORK
LEVEL SIGN IN PLAN	CEMENT TILE	Water Caster
WINDOW NUMBER REFERENCE DETAIL SHEET NUMBER	TERRAZZO TILE	R.C.L. REIN. CONCRETE LEVEL
	LOCAL MARBLE	F.F.L. FINISH FLOOR LEVEL
	Bitumast	S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	Pictures Of project	
ARCH ENG :	DUHA ABDEEN	
STRUCTURAL ENG:	FAKHER JUBA	

DATE: 18-10-2025  
 SCALE: 1:100  
 DRAWING NO: A 15

**GENERAL :**

- 1- ALL OF THE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PERTINENT ARCHITECTURAL, ELECTRICAL, MECHANICAL, SANITARY AND OTHER STRUCTURAL DRAWINGS.
- 2- SLEEVES ARE TO BE PROVIDED AND INSTALLED IN ACCORDANCE WITH MECHANICAL AND ELECTRICAL DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- 3- DO NOT SCALE DIMENSIONS FROM DRAWINGS, ALL DIMENSIONS ARE TO BE READ OR COMPUTED FROM THE DRAWINGS.
- 4- UNLESS OTHERWISE INDICATED ON DRAWINGS ELEVATIONS ARE IN METERS, DISTANCES IN cm., REINFORCEMENT BAR SIZES IN mm.
- 5- REFER TO ARCHITECTURAL DRAWINGS FOR POSITIONS AND DIMENSIONS OF OPENINGS IN WALLS AND COORDINATE WITH THOSE SHOWN ON STRUCTURAL DRAWINGS.

**DESIGN (WAREHOUSE FOUNDATION) :**

- 1- THE FOUNDATIONS OF THE SHED ARE DESIGNED IN ACCORDANCE TO ASSUMED BEARING CAPACITY = 4.0 Kg/cm<sup>2</sup> FOR ISOLATED/WALL AND MAT FOUNDATIONS AT ELEVATION AS SHOWN IN FOUNDATION SHEET. (TO BE CONFIRMED BY GEO-TECHNICAL ENGINEER).

THE CONTRACTOR IS RESPONSIBLE TO CONFIRM/REACH THIS VALUE ON SITE, BY APPOINTING CERTIFIED GEOTECHNICAL LAB ON HIS EXPENSES.

**SHORING/SUPPORTING SYSTEM :**

THE CONTRACTOR MUST SUBMIT DETAILED SHOP-DRAWINGS SHOWING THE SHORING/SUPPORTING SYSTEM FOR THE SITE/BUILDING/SLABS OF THE PROJECT TO THE CONSULTANT FOR REVIEW AND APPROVAL.

**REINFORCED CONCRETE :**

- 1- a) REINFORCED CONCRETE SHALL HAVE A MINIMUM 28 DAYS CUBE CRUSHING STRENGTH OF 300 kg/cm<sup>2</sup> FOR ALL STRUCTURAL MEMBERS.  
b) PLAIN CONCRETE IN BLINDING, SCREEDS AND ELSEWHERE SHALL HAVE A MINIMUM 28 DAYS CUBE CRUSHING STRENGTH OF 200 kg/cm<sup>2</sup>.
- 2- ALL REINFORCED CONCRETE SHALL BE VIBRATED
- 3- THE FOLLOWING PSI RELATED TO CONCRETE STRENGTH, MINIMUM CEMENT RATIO AND W/C RATIO:  
THE CONCRETE AVERAGE COMPRESSIVE STRENGTH F<sub>cu</sub> AND ANY SAMPLE COMPRESSIVE STRENGTH F<sub>cu</sub> SHOULD SATISFY THE FOLLOWING TABLE:-

MINIMUM CEMENT CONTENT RELATED TO W/C RATIO		
MAXIMUM W/C RATIO	LOWEST CEMENT CONTENT (KG/M <sup>3</sup> )	LOWEST CONCRETE GRADE
0.7	250	B200
0.65	275	B300
0.6	300	B350
0.55	325	B400
0.45	400	B500

- 4- ORDINARY PORTLAND CEMENT TO ASTM C150 TYPE-1 SHALL BE USED FOR ALL CONCRETE WORKS
- 5- REINFORCING STEEL BARS DENOTED BY THE SYMBOL "Ø" SHALL BE DEFORMED HIGH GRADE STEEL HAVING A MINIMUM YIELD STRENGTH OF 4200 kg/cm<sup>2</sup>.

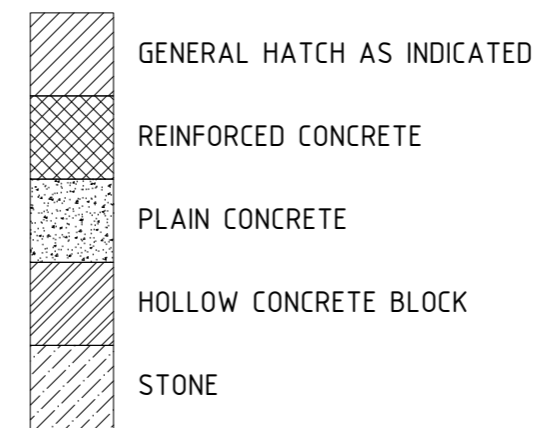
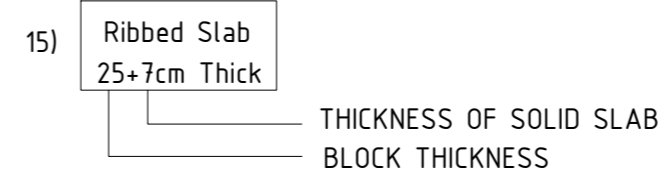
- 6- LAP LENGTHS OF REINFORCEMENT BARS SHALL BE AS SHOWN ON THE DRAWINGS BUT NOT LESS THAN 50 BARS DIAM. FOR PLAIN AND DEFORMED BARS.
- 7- MINIMUM CLEAR CONCRETE COVER TO STEEL REINFORCEMENT SHALL BE AS SHOWN ON DRAWINGS. WHERE NOT SHOWN, IT SHALL BE AS FOLLOWS :  
  
75mm. FOR FOUNDATIONS IN CONTACT WITH SOIL, BLINDING, OR WATERPROOFING  
50mm. WHEN IN CONTACT WITH WATER  
50mm. WHEN EXPOSED TO EARTH OR WEATHER )  
40mm. IN DROP BEAMS & COLUMNS ( TO STIRRUPS & TIES )  
30mm. IN SLABS, RIBS EMBEDDED BEAMS AND WALLS NOT EXPOSED TO EARTH.
- 8- THE CONTRACTOR SHALL PREPARE FULL BAR BENDING SCHEDULE FOR ENGINEER'S APPROVAL.

**DAMP PROOFING & WATERPROOFING :**

- 1 - ALL VERTICAL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL BE PAINTED WITH NITOPROOF 30 OR EQUIVALENT + PROTECTION BOARD .  
  
ALL HORIZONTAL CONCRETE SURFACES IN CONTACT WITH SOIL SHALL BE PROTECTED BY:  
- 500 MICRON POLYETHYLENE SHEETS FOR SLAB ON GRADES  
- PAINTED BY NITOPROOF 30 OR EQUIVALENT FOR OTHER SURFACES

**SYMBOLS :**

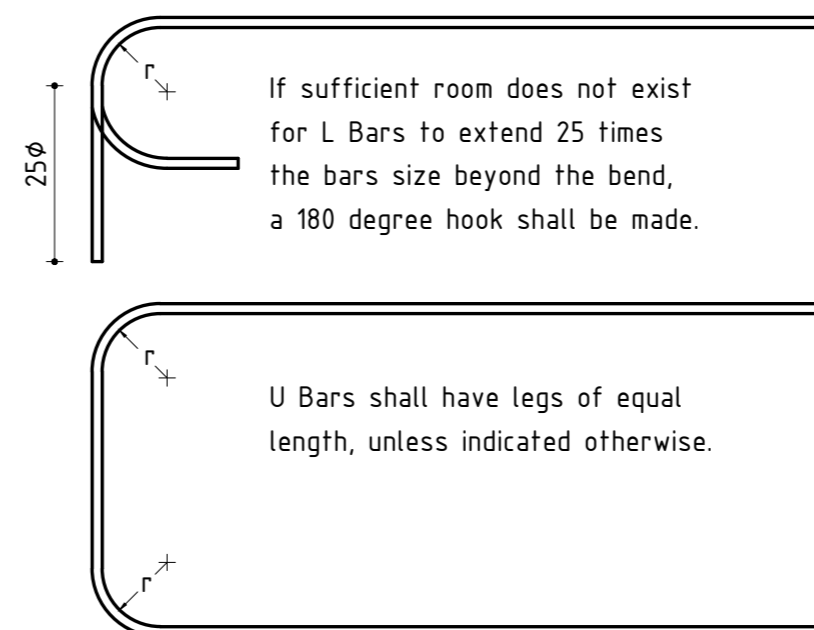
- 1) TOP OF CONCRETE LEVEL IN PLAN.
- 2) TOP OF CONCRETE LEVEL IN SECTION OR ELEVATION.
- 3) OPENING.
- 5) COLUMN NUMBER.
- 6) 1st FLOOR INDICATION OF FIRST FLOOR MEANS THE FLOOR SLAB AT FIRST FLOOR.
- 7) CR CROSS RIB
- 8) N.T.S NOT TO SCALE
- 9) T.O.C TOP OF CONCRETE
- 10) V VERTICAL
- 11) H HORIZONTAL
- 12) GR GROUND BEAM
- 13) SECTION NAME
- 14) T2Ø18-L=585cm  
 LENGTH OF BARS  
DIA. OF BARS  
NUMBER OF BARS  
LOCATION OF BAR  
T:TOP - B:BOTTOM



**RADII OF BENDING**

Minimum Radius of Bend for L Bars and U Bars shall be as follows. For other bars, minimum radius of bend shall equal to 3 times bar size for High-yield Steel.

BAR DIAMETER (mm)	MINIMUM r (mm)
8	24
10	30
12	36
14	42
16	48
18	54
20	60
22	66
25	75
32	128



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REINFORCED CONCRETE :  
a) REINFORCED CONCRETE SHALL HAVE A MINIMUM 28 DAYS CUBE CRUSHING STRENGTH OF: B300 (300 Kg/cm<sup>2</sup>) FOR ALL STRUCTURAL MEMBERS

STEEL NOTES :  
1-ALL SHS/RHS/ANGLES/PLATES/PIPES/PURLINS/ GIRTS SHALL BE GALVANIZED TO MINIMUM OF 60 MICRON AND TREAT WELD LOCATIONS BY COLD ZINC. IPE/HEA/UPN SHALL BE BLACK STEEL PAINTED WITH EPOXY PAINT.  
2- ANCHOR BOLT, WASHER, FLAT WASHER, SPRING WASHER AND NUTS ARE GALVANIZED BY (THERMO) DIFFUSION TO A THICKNESS OF MIN. 45 MICRON.  
3-ALL DIMENSIONS ARE IN CENTIMETER AND ALL LEVEL ARE IN METER.  
4-READ WITH SPECIFICATIONS AND ALL ENGINEERS AND ARCHITECTS DRAWINGS.  
5-NO USE OF SCALE IS ALLOWED, ONLY FIGURED DIMENSIONS ARE TO BE TAKEN INTO CONSIDERATION ANY DISCREPANCIES MUST BE REPORTED TO THE STRUCTURAL ENGINEER.  
6-THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ENGINEER APPROVAL BEFORE START OF FABRICATION.  
7-STEEL GRADE IS S275.

PROJECT:  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

FUNDED BY:  
Enabel

OWNER:  
المجلس المشترك لإدارة النفايات الصلبة لمحافظة الخليل  
Joint Service Council For Solid Waste Management Hebron

CONSULTANT:  
-

00	20/10/25	DETAILED DRAWINGS	I.M.	TITLE: GENERAL CONCRETE NOTES	
R	DATE:	ISSUED	NAME	DATE: OCTOBER, 2025	SCALE: N.T.S.
DESIGNED BY: MES TEAM DRAWN BY: MES TEAM CHECKED BY: I.M.				DWG. NO: S00	SHEET: 1/1
				PRO. NO:	

## STEEL NOTES:-

1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION. ANY ANOMALIES OR DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER FOR CLARIFICATION.
2. ALL STEELWORKS WORKMANSHIP, MATERIALS AND TOLERANCES ETC. SHALL CONFORM TO AISC-360-10.
3. ALL STEEL USED IN FABRICATION SHALL BE CLEAN AND FREE FROM RUST.
4. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS AND TESTS ACCORDING TO AWS.D11.2000.
5. UNLESS NOTED OTHERWISE ALL STEEL SHALL BE GRADE S275.
6. ALL WELDING TO BE 6mm CONTINUOUS FILLET WELD OR GROOVE WELD. (U.N.O.)
7. STRESSES IN STEELWORKS, BOLTS AND WELDS SHALL BE WITHIN THE LIMITS IMPOSED BY AISC 360-10.
8. THE CONTRACTOR SHALL ALLOW FOR ANY ADDITIONAL STEEL ERECTION CLEATS AND MISCELLANEOUS STEELWORKS REQUIRED FOR SAFE ERECTION. ALSO THE CONTRACTOR SHALL USE TEMPLATE PLATES WITH APPROPRIATE THICKNESS FOR FABRICATION ASSEMBLY.
9. THE CONTRACTOR SHALL COMPLY WITH THE SAFE WORKING PRACTICES IMPOSED BY THE ENGINEER DURING ERECTION OF THE STEELWORK FRAME.
10. UNLESS OTHERWISE SPECIFIED, ALL BOLTS SHALL BE GRADE 8.8 PRECISION BOLTS TO ISO 898. ALL BOLTS SHALL BE GALVANIZED TO 45MICRON.
11. PROVIDE TAPERED WASHERS WHERE THE SLOPE OF FLANGES BEING CONNECTED EXCEEDED 3 DEGREE.
12. SHOULD THE CONTRACTOR BE UNABLE TO OBTAIN THE SPECIFIED STEEL SECTIONS, THEY SHALL SUBMIT ALTERNATIVE SECTIONS OF AT LEAST EQUAL STRENGTH AND PROPERTIES TO THE ENGINEER FOR APPROVAL. WHERE JOINT DETAILS HAVE TO BE MODIFIED AS A RESULT, JOINT DETAILS AND SHOP DRAWINGS ALSO HAVE TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE FABRICATION.
13. ALL STRUCTURAL STEEL (SHS/RHS/ANGLES/PLATES/PIPES/PURLINS/GIRTS) SHALL BE GALVANIZED TO MINIMUM OF 60 MICRON AND TREAT WELD LOCATIONS BY COLD ZINC. IPE/HEA/UPN SHALL BE BLACK STEEL PAINTED WITH EPOXY PAINT.
14. THE CONTRACTOR SHALL SUBMIT TO ENGINEER; ERECTION AND FABRICATION DRAWINGS FOR APPROVAL BEFORE WORK COMMENCEMENT.
15. THE CONTRACTOR SHALL TEST 2 SAMPLES FROM EACH SECTION TYPE AGAINST MECHANICAL PROPERTIES.
16. ALL WELDING RODS SHALL BE OF GRADE E6013 USING ARC WELDING.
17. THE CONTRACTOR SHOULD ACHIEVE ON SITE THE EXACT COORDINATES OF THE BOLTS WITH TOLERANCE IN X & Y "HORIZONTAL PLANE" OF  $\pm 2\text{MM}$  AND IN Z "VERTICAL PLANE"  $\pm 2\text{MM}$
18. ALL DIMENSIONS ARE IN CENTIMETER AND ALL LEVEL ARE IN METER.
19. READ WITH SPECIFICATIONS AND ALL ENGINEERS AND ARCHITECTS DRAWINGS.
20. NO USE OF SCALE IS ALLOWED, ONLY FIGURED DIMENSIONS ARE TO BE TAKEN INTO CONSIDERATION.ANY DISCREPANCIES MUST BE REPORTED TO THE STRUCTURAL ENGINEER.
21. NUTS AND WASHERS ARE THE SAME GRADE FOR ANCHOR BOLTS.
22. ANCHOR BOLT,WASHER,FLAT WASHER,SPRING WASHER AND NUTS ARE GALVANIZED BY (THERMO) DIFFUSION TO A THICKNESS OF MIN.45 MICRON.
23. STEEL MECHANICAL PROPERTIES:

GRADE	MIN. YEILD $F_y$	MIN. TENSILE $F_u$	MAX. TENSILE $F_u$	MIN. ELONGATION
S275	275 MPa	370 MPa	530 MPa	19%

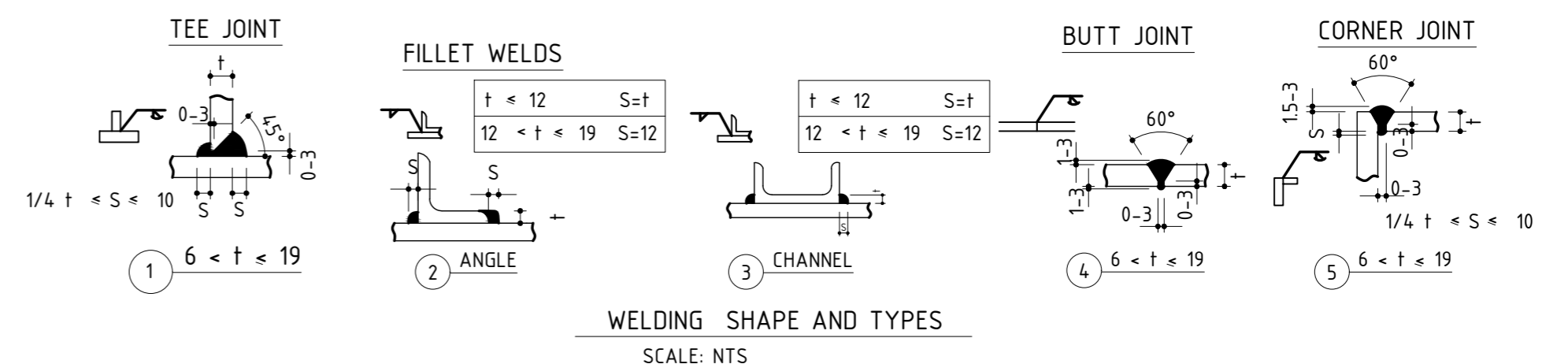
## STEEL LOADS :

1- STRUCTURE ELEMENTS ARE DESIGNED TO RESIST THE FOLLOWING LOADS:

- SHED COVER -  $50\text{kg/m}^2$
- ROOF SNOW LOAD -  $90\text{kg/m}^2$

## WIND DATA :

BASED ON BASIC WIND SPEED OF 75 mph (120 km/hr)



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REINFORCED CONCRETE :  
a) REINFORCED CONCRETE SHALL HAVE A MINIMUM 28 DAYS CURE CRUSHING STRENGTH OF: B300 [300 Kg/cm<sup>2</sup>] FOR ALL STRUCTURAL MEMBERS

STEEL NOTES :  
1-ALL SHS/RHS/ANGLES/PLATES/PIPES/PURLINS/GIRTS SHALL BE GALVANIZED TO MINIMUM OF 60 MICRON AND TREAT WELD LOCATIONS BY COLD ZINC. IPE/HEA/UPN SHALL BE BLACK STEEL PAINTED WITH EPOXY PAINT.  
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6-THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ENGINEER APPROVAL BEFORE START OF FABRICATION.  
7-STEEL GRADE IS S275.

PROJECT:  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

FUNDED BY:

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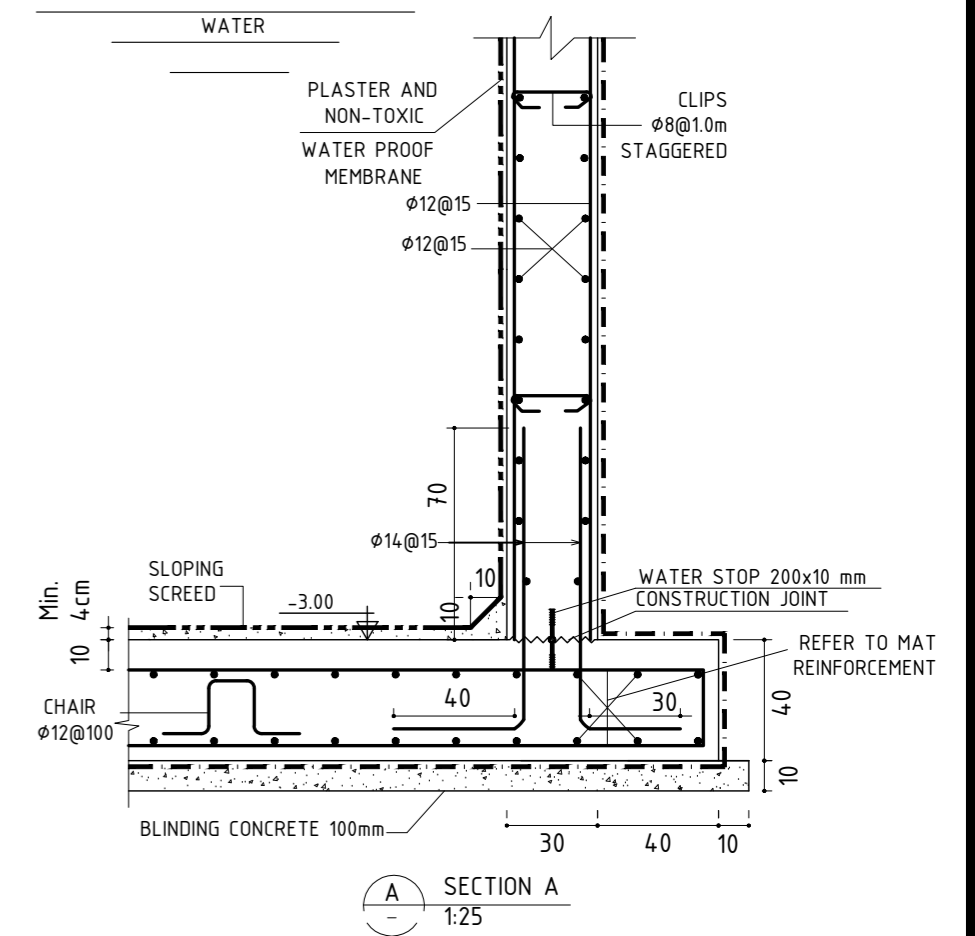
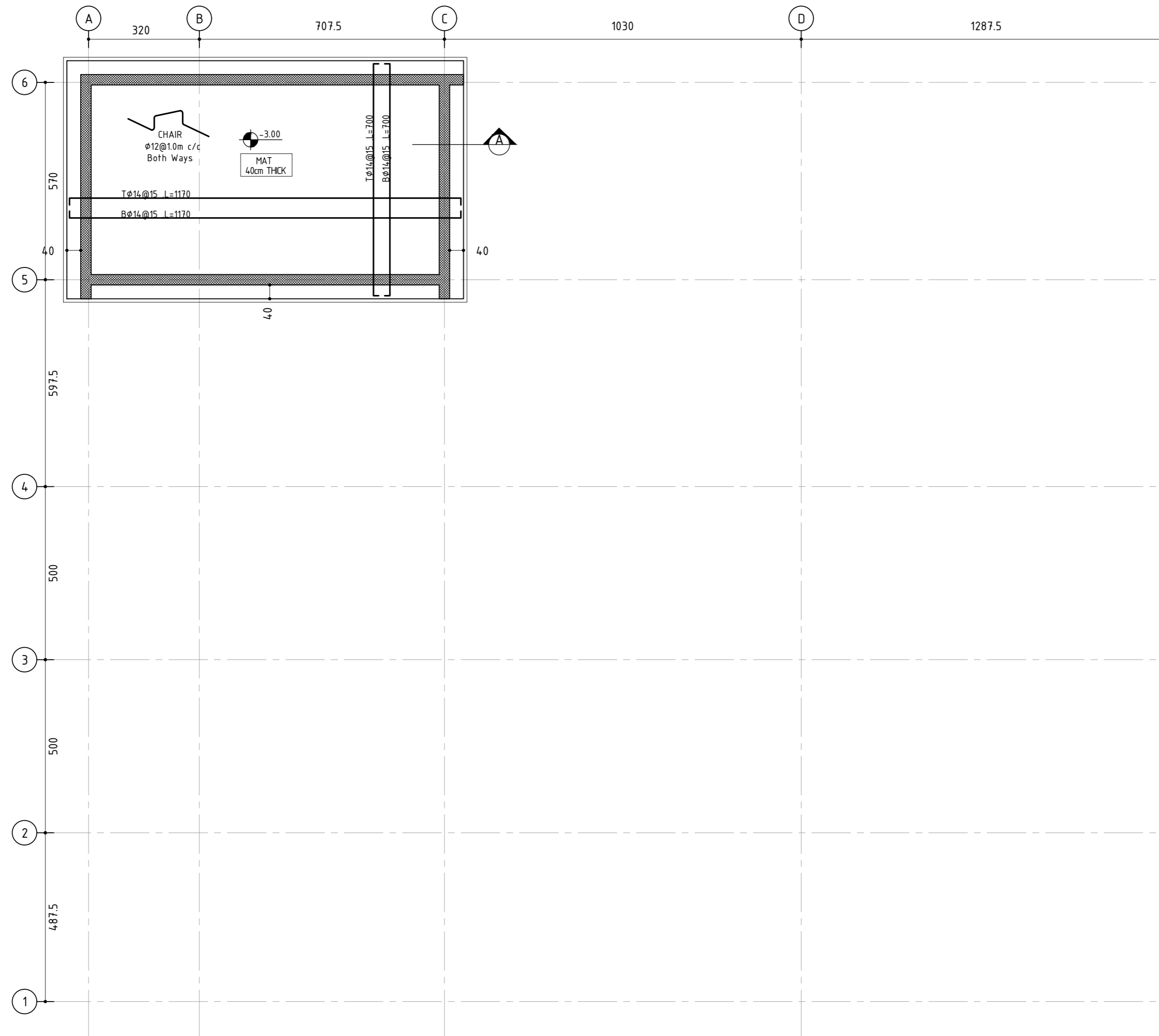
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Joint Service Council For Solid Waste Management Hebron

CONSULTANT:

00	20/10/25	DETAILED DRAWINGS	I.M.
R	DATE:	ISSUED	NAME
DESIGNED BY: MES TEAM DRAWN BY: MES TEAM CHECKED BY: I.M.			

TITLE: GENERAL STEEL NOTES	
DATE: OCTOBER, 2025	SCALE: N.T.S.
DWG. NO: S01	SHEET: 1/1
PRO. NO:	



WATER CISTERN FOUNDATION LAYOUT

SCALE 1/100

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6- THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ENGINEER APPROVAL BEFORE START OF FABRICATION.  
7- STEEL GRADE IS S275.

**PROJECT:**  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

**FUNDED BY:**

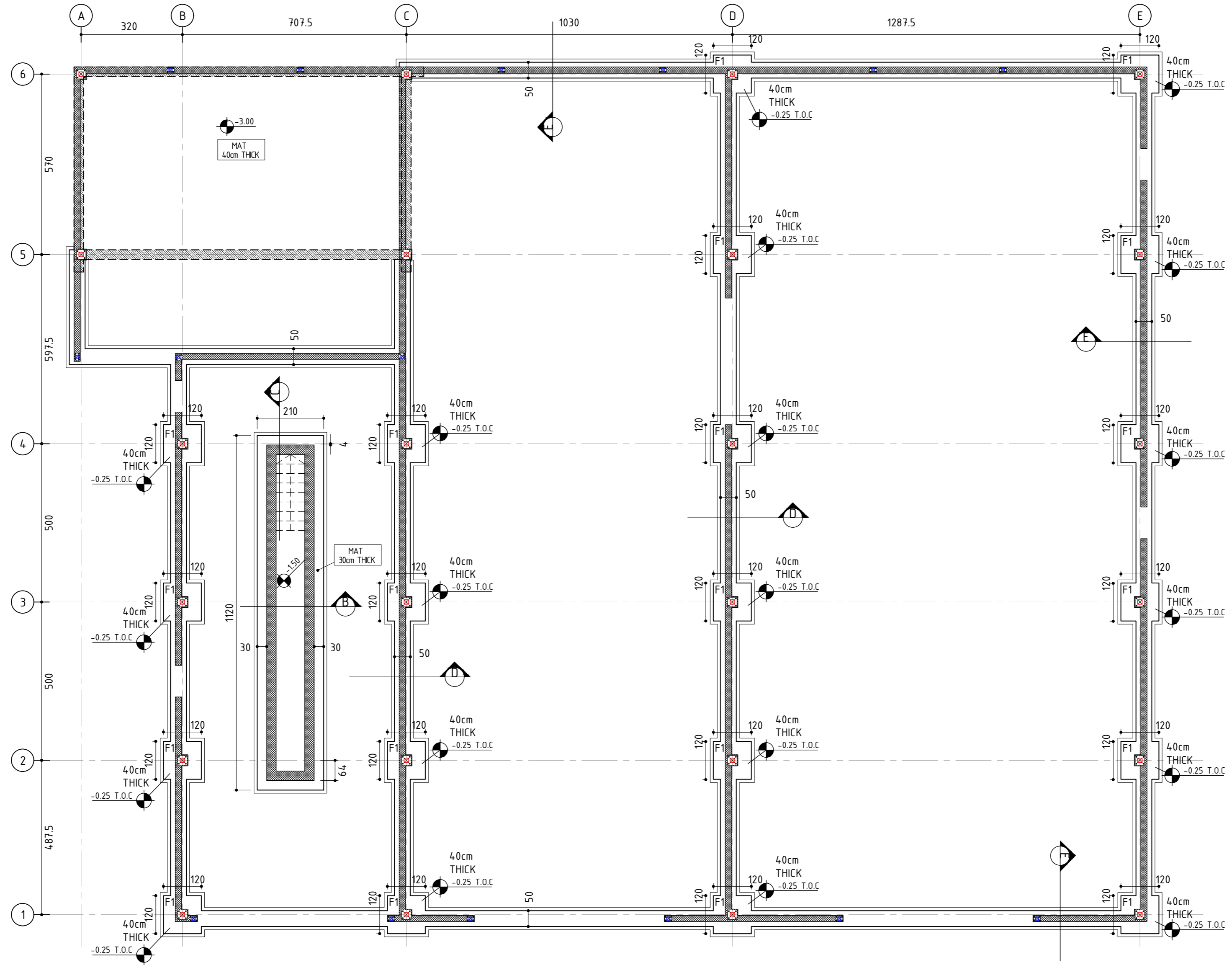


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**CONSULTANT:**

00	20/10/25	DETAILED DRAWINGS	I.M.	TITLE: WATER CISTERN FOUNDATION LAYOUT+ DETAILS	
R	DATE:	ISSUED	NAME	DATE: OCTOBER, 2025	SCALE: AS SHOWN
DESIGNED BY: MES TEAM DRAWN BY: MES TEAM CHECKED BY: I.M.				DWG. NO: S02	SHEET: 1/1
				PRO. NO:	



FOUNDATION LAYOUT  
SCALE 1/100

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**REINFORCED CONCRETE :**  
a) REINFORCED CONCRETE SHALL HAVE A MINIMUM 28 DAYS CUBE CRUSHING STRENGTH OF: B300 (300 Kg/cm2) FOR ALL STRUCTURAL MEMBERS

**STEEL NOTES :**  
1- ALL SHS/RHS/ANGLES/PLATES/PIPES/PURLINS/ GIRTS SHALL BE GALVANIZED TO MINIMUM OF 60 MICRON AND TREAT WELD LOCATIONS BY COLD ZINC. IPE/HEA/UPN SHALL BE BLACK STEEL PAINTED WITH EPOXY PAINT.  
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**PROJECT:**  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

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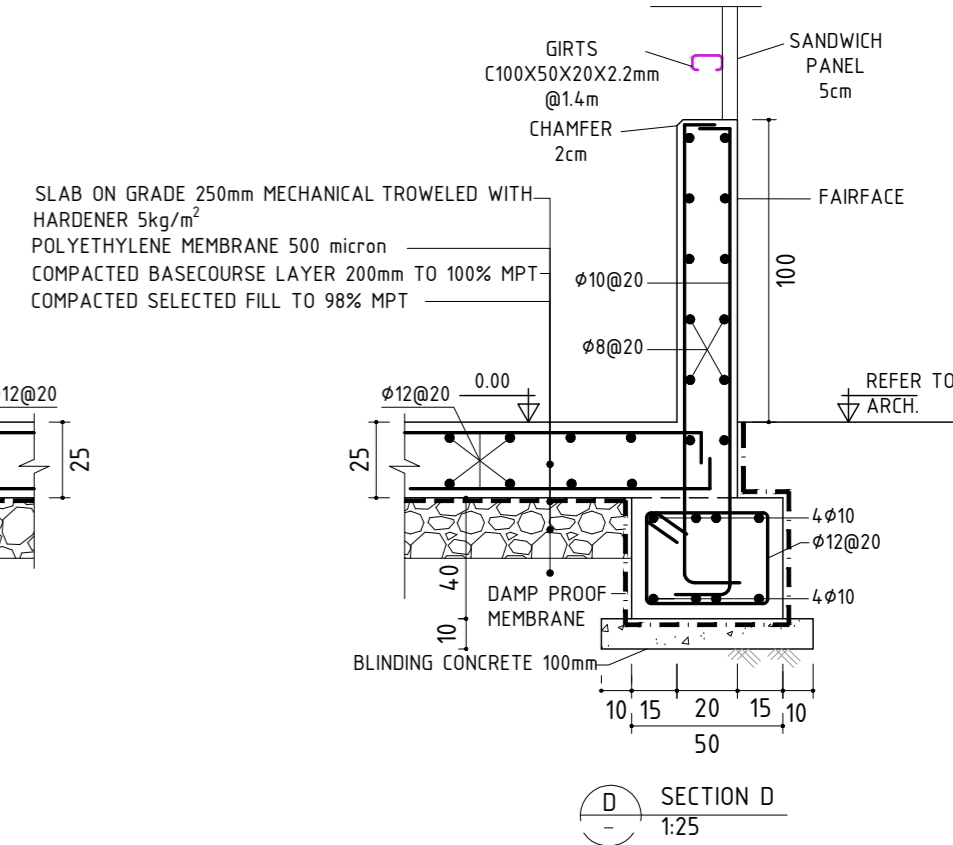
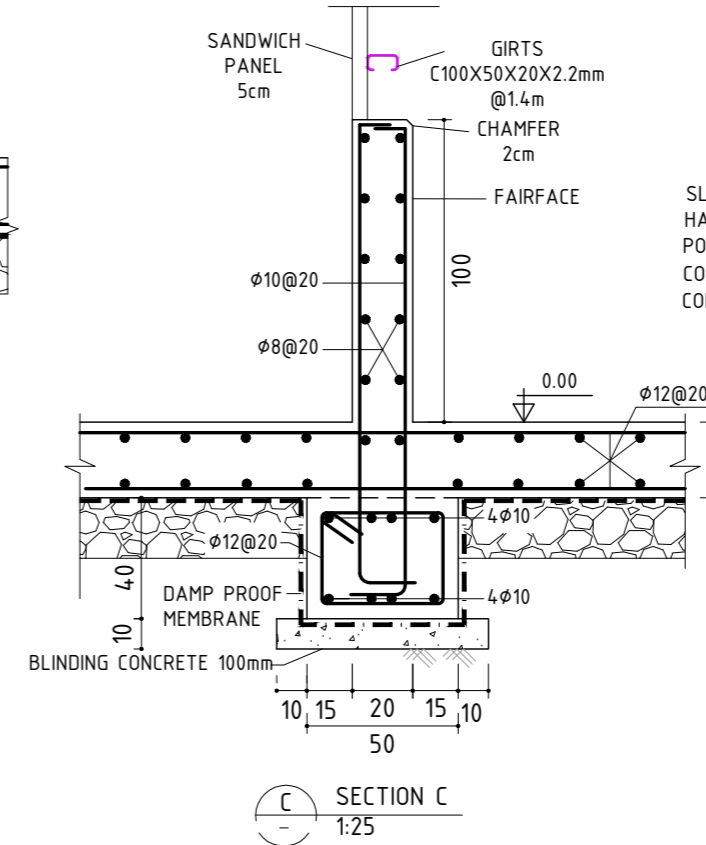
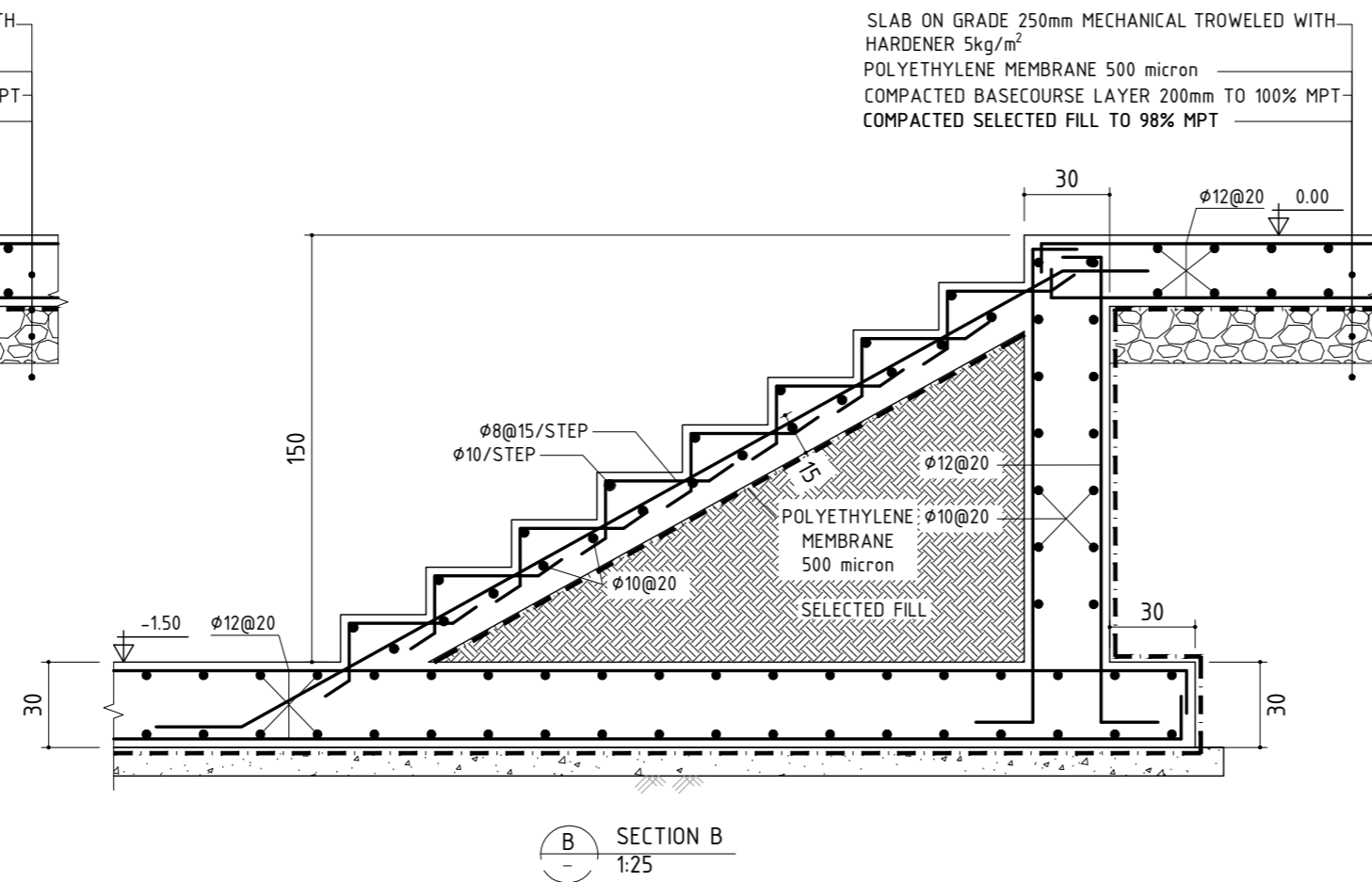
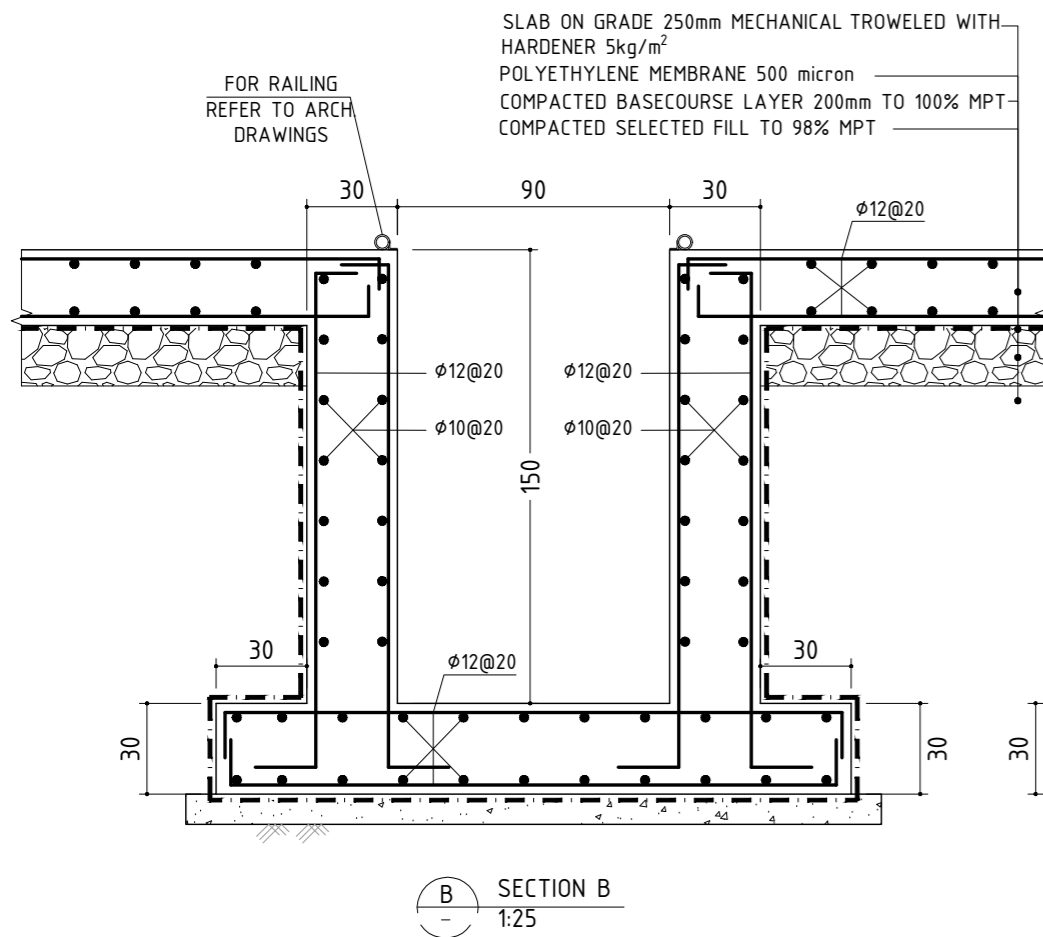
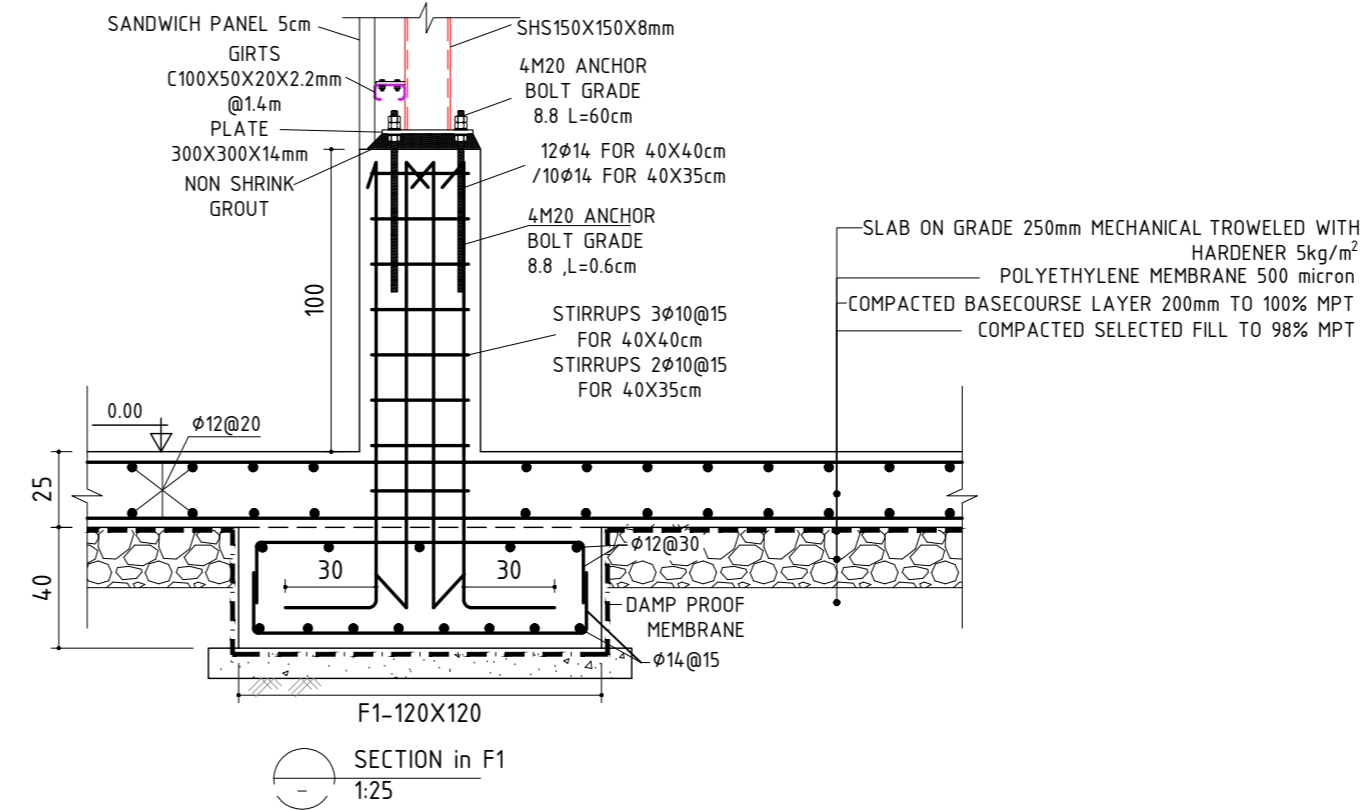
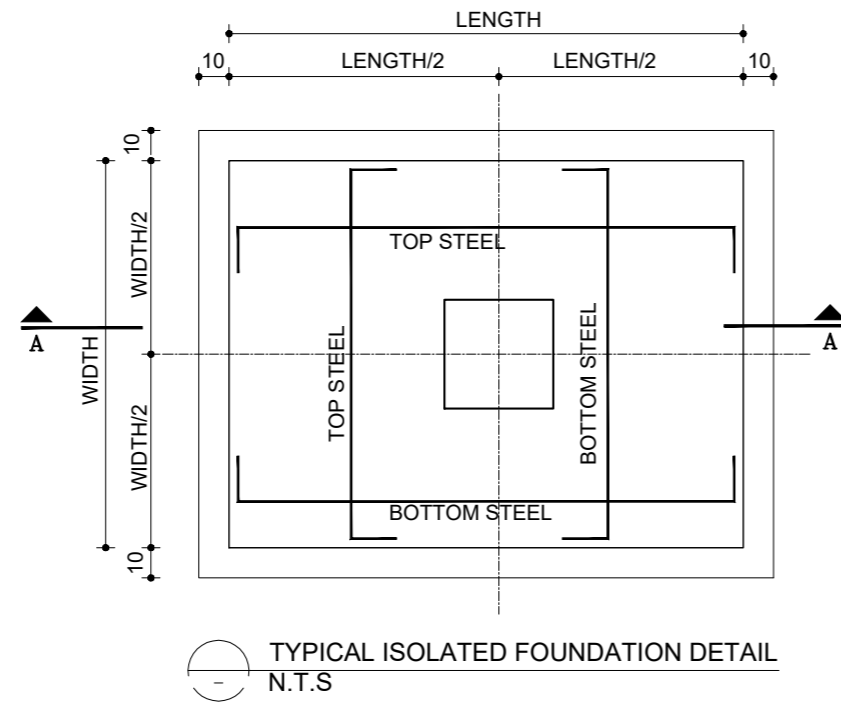
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Joint Service Council For Solid Waste Management Hebron

**CONSULTANT:**  
DESIGNED BY: MES TEAM  
DRAWN BY: MES TEAM  
CHECKED BY: I.M.

00		20/10/25	DETAILED DRAWINGS	I.M.	TITLE: FOUNDATION LAYOUT	
R	DATE:	ISSUED	NAME	DATE: OCTOBER, 2025	SCALE: 1:100	
DESIGNED BY: MES TEAM DRAWN BY: MES TEAM CHECKED BY: I.M.				DWG. NO: S03	SHEET: 1/1	PRO. NO:

FOOTING SCHEDULE:

Foundation	Qty	Length (m)	Width (m)	Thickness (m)	Bottom Bars		Top Bars		Mid Bars
					Short Direction	Long Direction	Short Direction	Long Direction	
F1	20	1.2	1.2	0.4	Ø14@ 15cm	Ø14 @ 15cm	Ø12 @ 30cm	Ø12 @30cm	-



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7- STEEL GRADE IS S235.

PROJECT:  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

FUNDED BY:



OWNER:

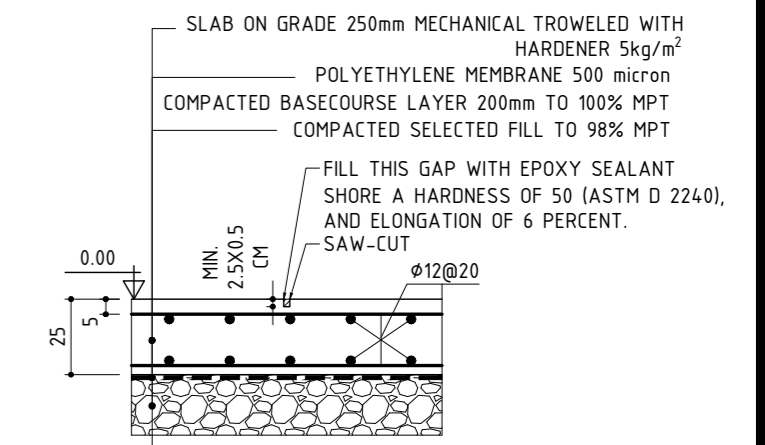
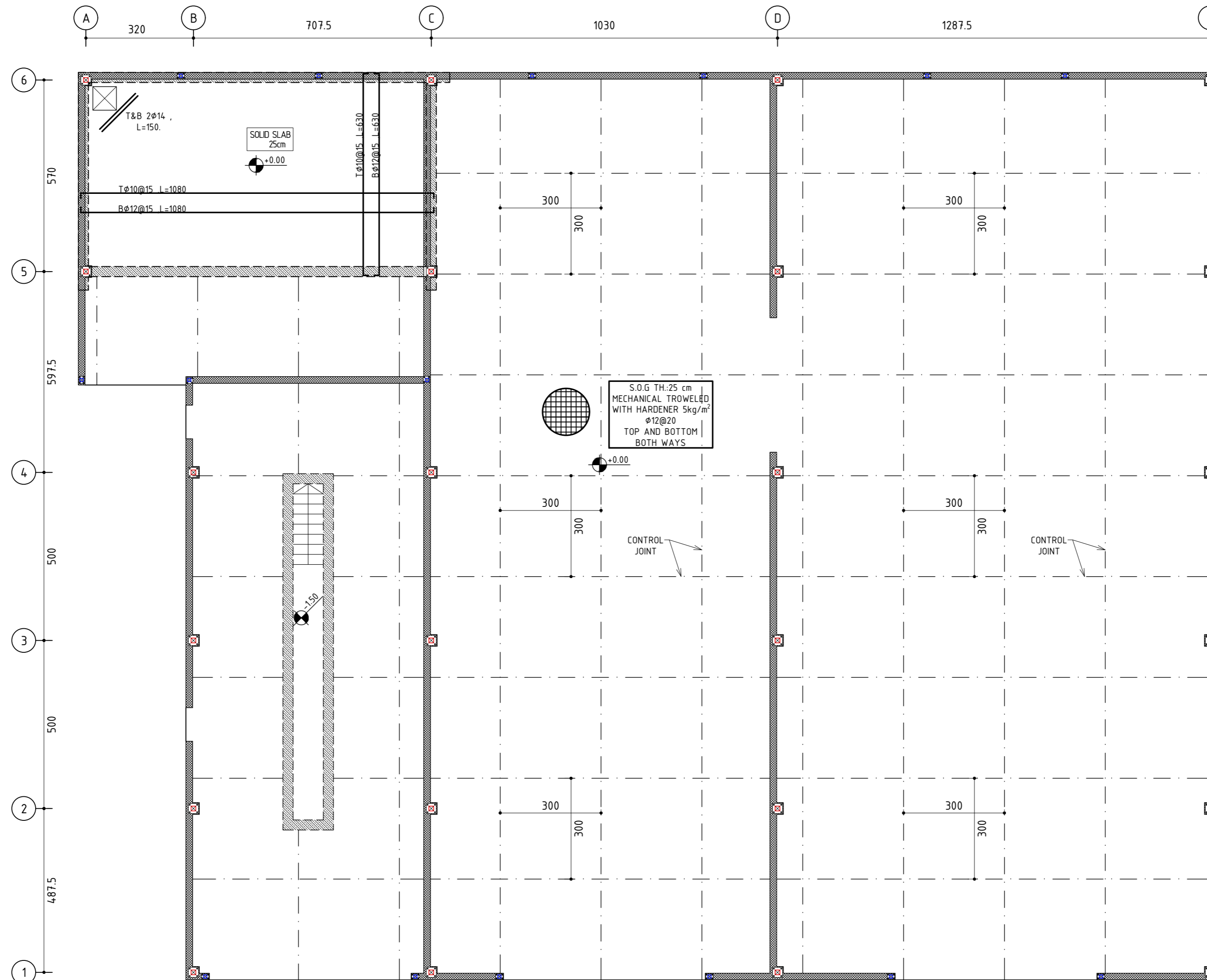


CONSULTANT:

NO	DATE	DESCRIPTION	NAME
00	20/10/25	DETAILED DRAWINGS	I.M.
R	DATE:	ISSUED	NAME

DESIGNED BY: MES TEAM  
DRAWN BY: MES TEAM  
CHECKED BY: I.M.

TITLE:	
FOUNDATION DETAILS	
DATE:	SCALE:
OCTOBER, 2025	1:25
DWG. NO:	SHEET:
S04	1/1
PRO. NO:	



SLAB ON GRADE 25cm-CONTROL JOINT (3x3m) DETAIL  
SCALE 1:25

SLAB ON GRADE LAYOUT  
SCALE 1/100

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**PROJECT:**  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

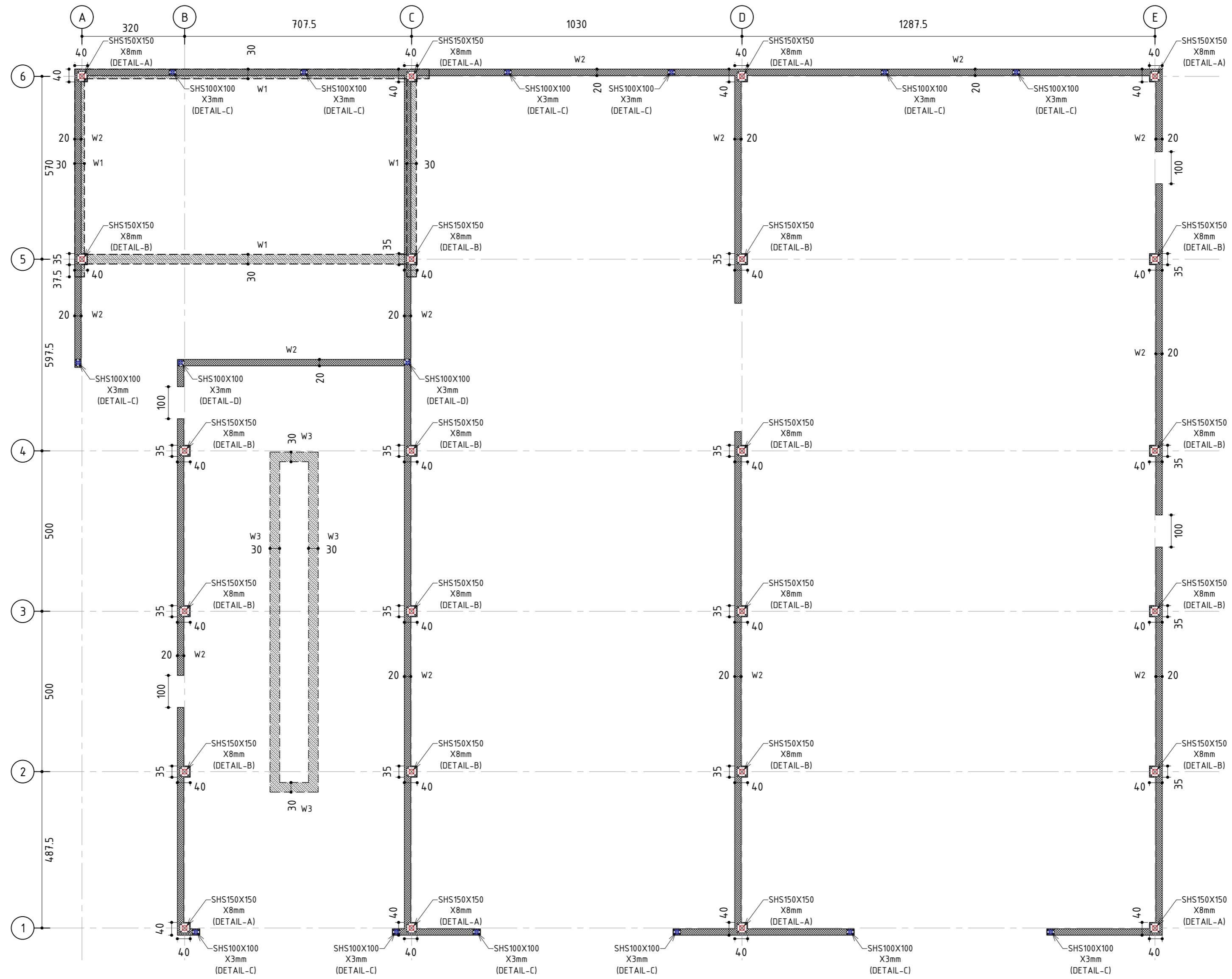
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**CONSULTANT:**

00	20/10/25	DETAILED DRAWINGS	I.M.
R	DATE:	ISSUED	NAME
DESIGNED BY: MES TEAM		DRAWN BY: MES TEAM	
CHECKED BY: I.M.			

<b>TITLE:</b> SLAB ON GRADE LAYOUT +DETAILS	
DATE: OCTOBER, 2025	SCALE: AS SHOWN
DWG. NO: S05	SHEET: 1/1
PRO. NO:	



GROUND FLOOR COLUMN LAYOUT

SCALE 1/100

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**PROJECT:**  
 CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

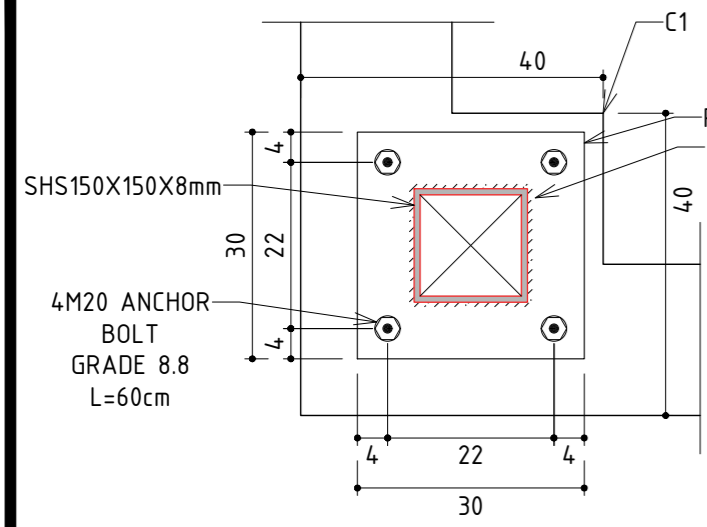
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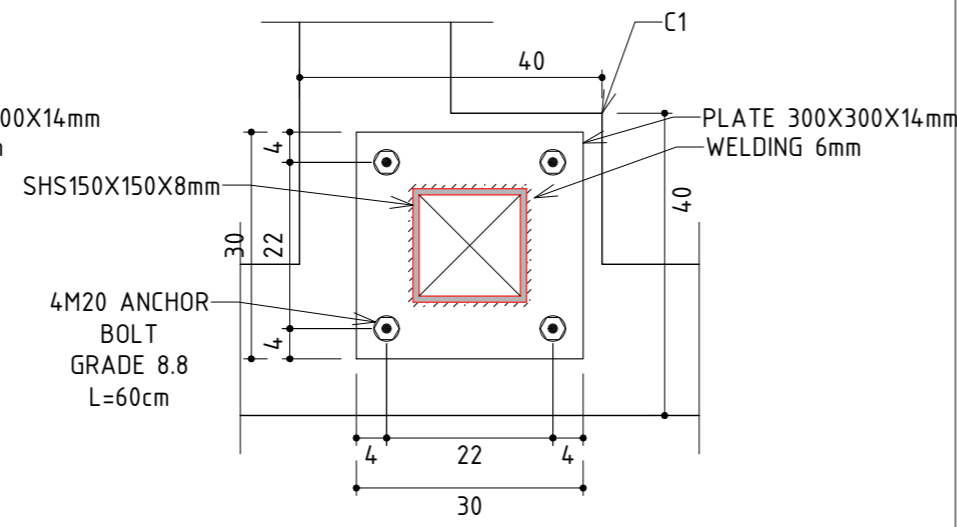
**CONSULTANT:**

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DRAWN BY: MES TEAM			
CHECKED BY: I.M.			

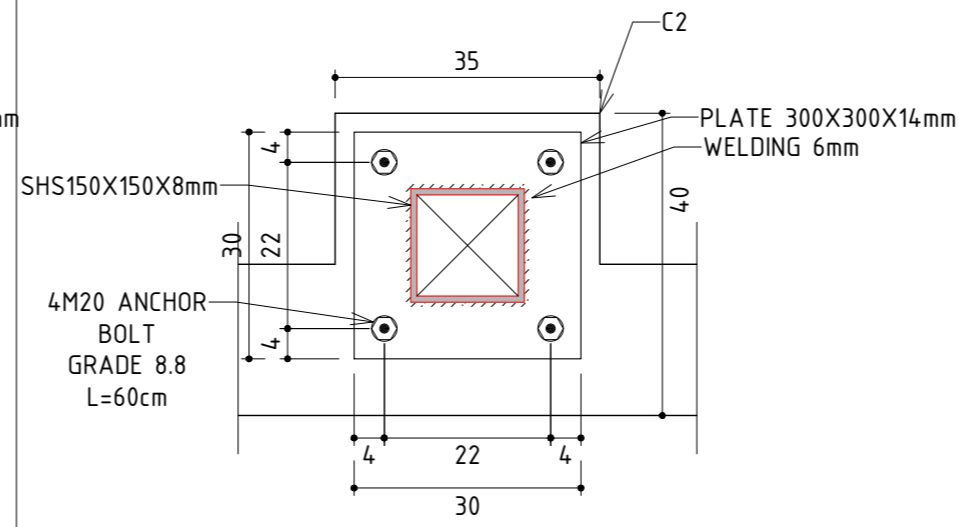
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DATE: OCTOBER, 2025	SCALE: 1:100
DWG. NO: S06	SHEET: 1/1
PRO. NO:	



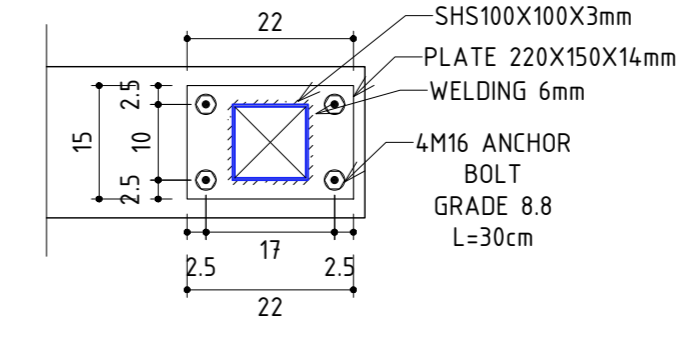
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SHS150X150X8mm BASE PLATE DETAIL  
Scale 1/10



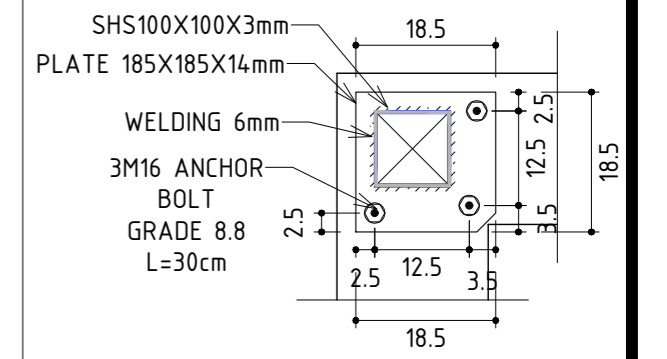
DETAIL-A  
SHS150X150X8mm BASE PLATE DETAIL  
Scale 1/10



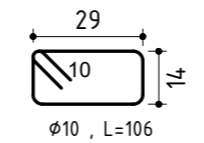
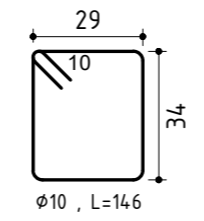
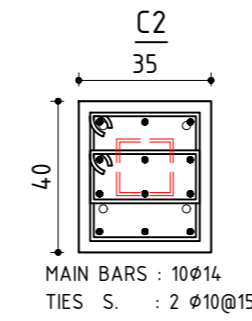
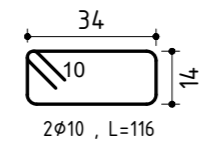
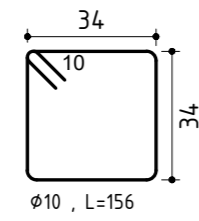
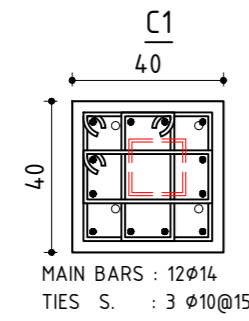
DETAIL-B  
SHS150X150X8mm BASE PLATE DETAIL  
Scale 1/10



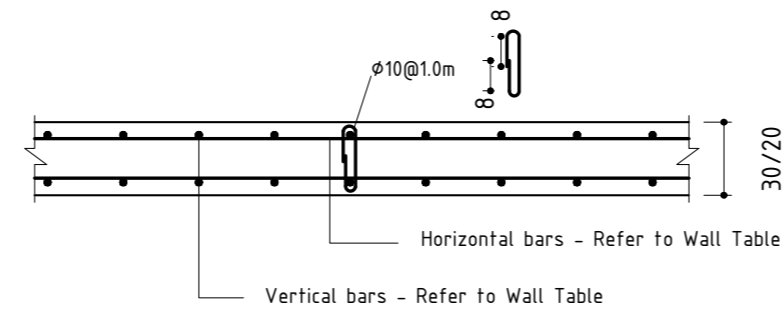
DETAIL-C  
SHS100X100X3mm BASE PLATE DETAIL  
Scale 1/10



DETAIL-D  
SHS100X100X3mm BASE PLATE DETAIL  
Scale 1/10



FLOOR No.	WALL No.	W1 WATER CISTERN WALLS		W2 WALL NECKS		W3 PIT WALLS	
		VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL
AS INDICATED ON COLUMN/WALL LAYOUT	THICKNESS (cm)	30		20		30	
	STEEL	φ14@15 (STARTERS) φ12@15 (VER.REIN.)	φ12@15	φ10@20	φ8@20	φ12@20	φ10@20
	CONCRETE	B300		B300		B300	



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7- STEEL GRADE IS S275.

PROJECT:  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

FUNDED BY:

Enabel

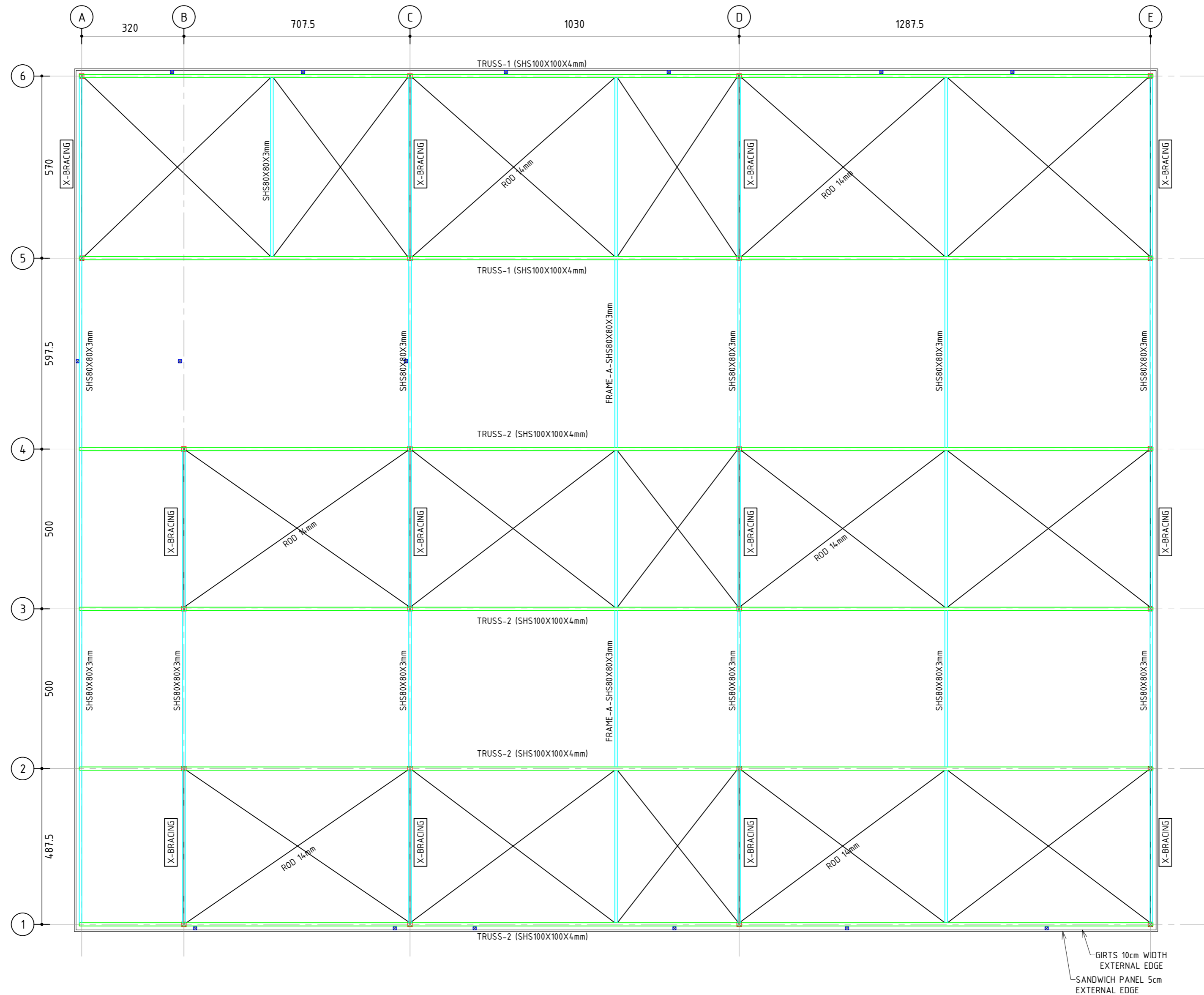
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Joint Service Council For Solid Waste Management Hebron

CONSULTANT:

NO	DATE	DESCRIPTION	NAME
00	20/10/25	DETAILED DRAWINGS	I.M.
R	DATE:	ISSUED	NAME
DESIGNED BY: MES TEAM DRAWN BY: MES TEAM CHECKED BY: I.M.			

TITLE: COLUMN DETAILS	
DATE: OCTOBER, 2025	SCALE: AS SHOWN
DWG. NO: S07	SHEET: 1/1
PRO. NO:	



TOP ROOF-LOWER FRAMING LAYOUT

SCALE 1/100

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**PROJECT:**  
 CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

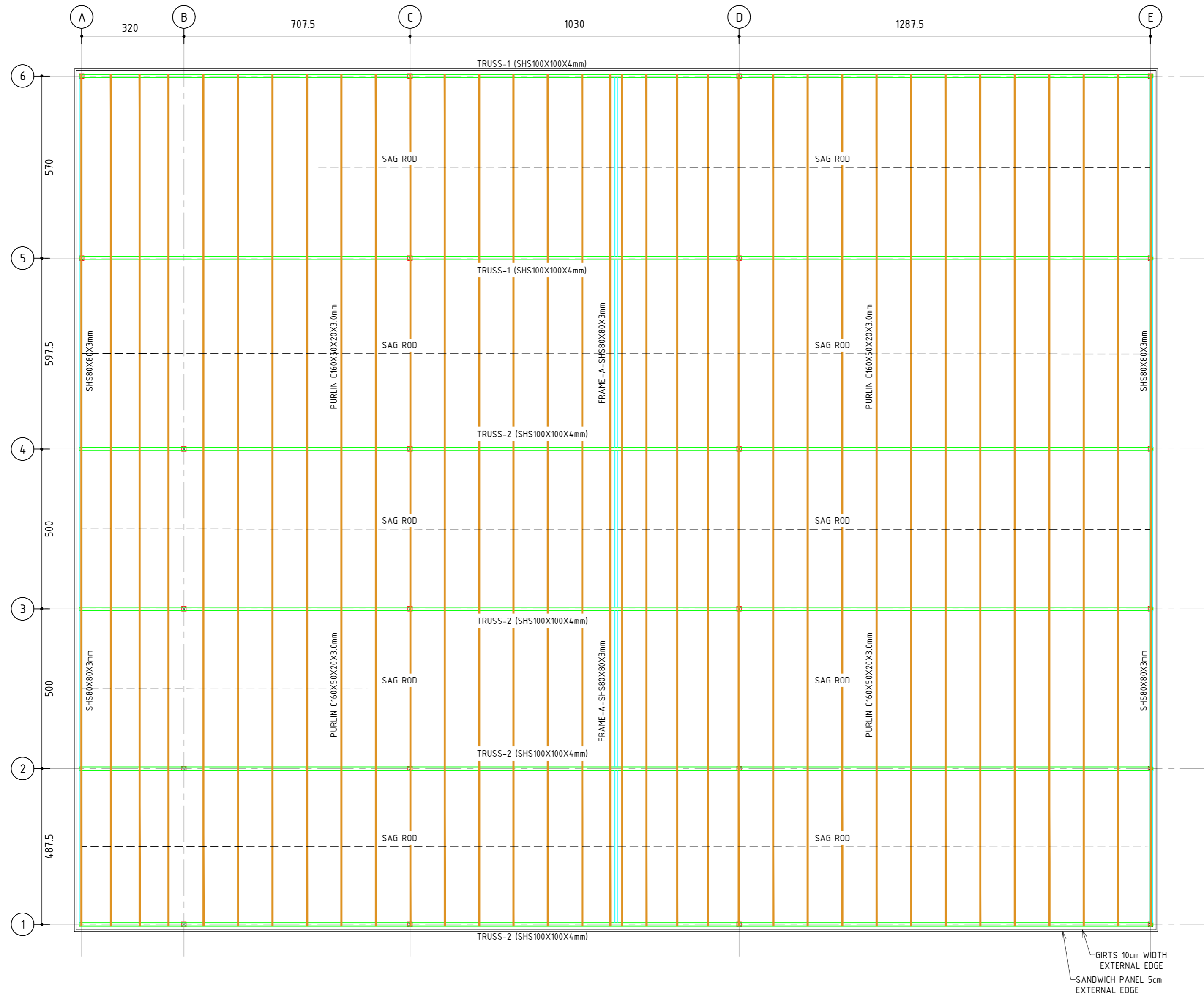
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**CONSULTANT:**

00	20/10/25	DETAILED DRAWINGS	I.M.
R	DATE:	ISSUED	NAME
DESIGNED BY: MES TEAM			
DRAWN BY: MES TEAM			
CHECKED BY: I.M.			

TITLE: TOP ROOF- LOWER FRAMING LAYOUT	
DATE: OCTOBER, 2025	SCALE: 1:100
DWG. NO: S08	SHEET: 1/1
PRO. NO:	



TOP ROOF-LOWER FRAMING LAYOUT

SCALE 1/100

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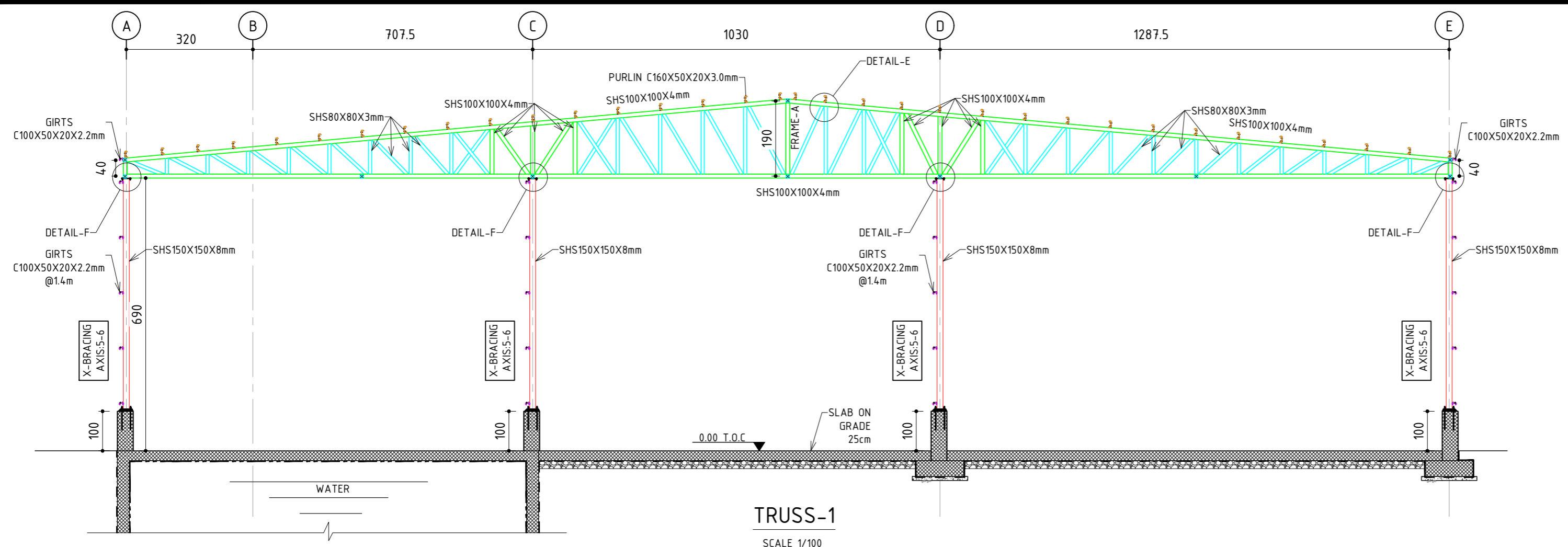
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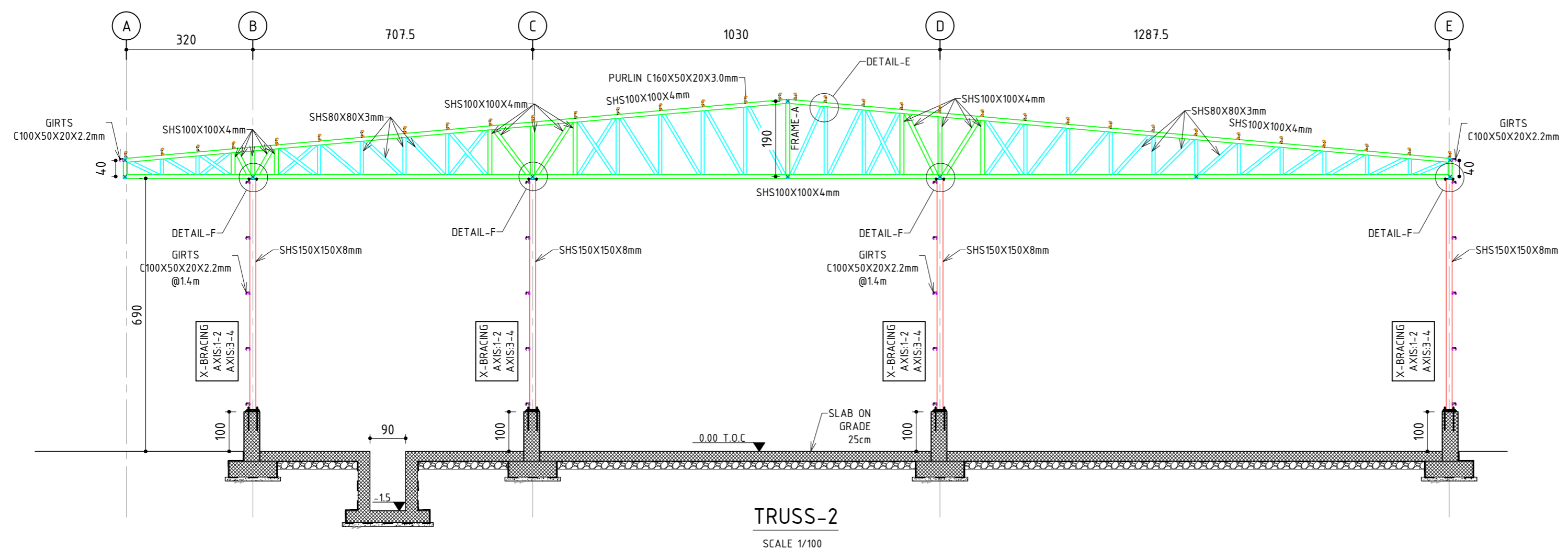
**CONSULTANT:**

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R	DATE:	ISSUED	NAME
DESIGNED BY: MES TEAM			
DRAWN BY: MES TEAM			
CHECKED BY: I.M.			

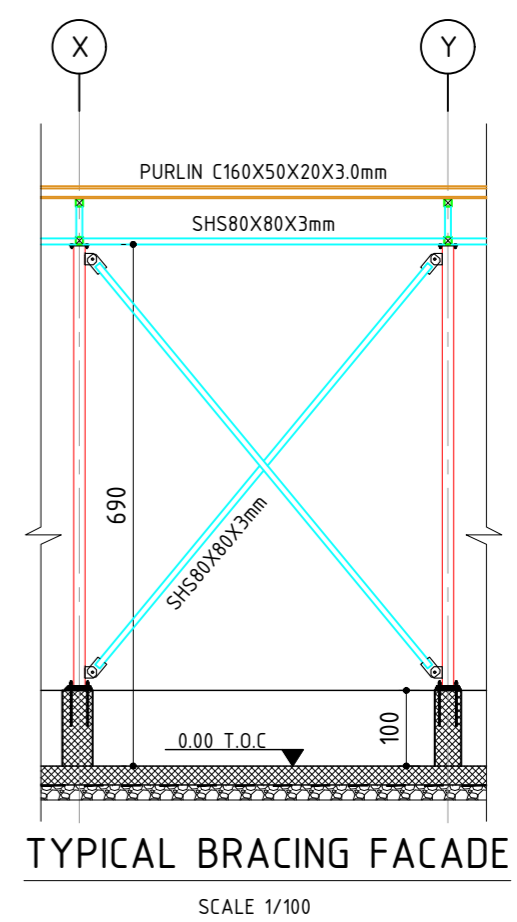
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DWG. NO: S09	SHEET: 1/1
PRO. NO:	



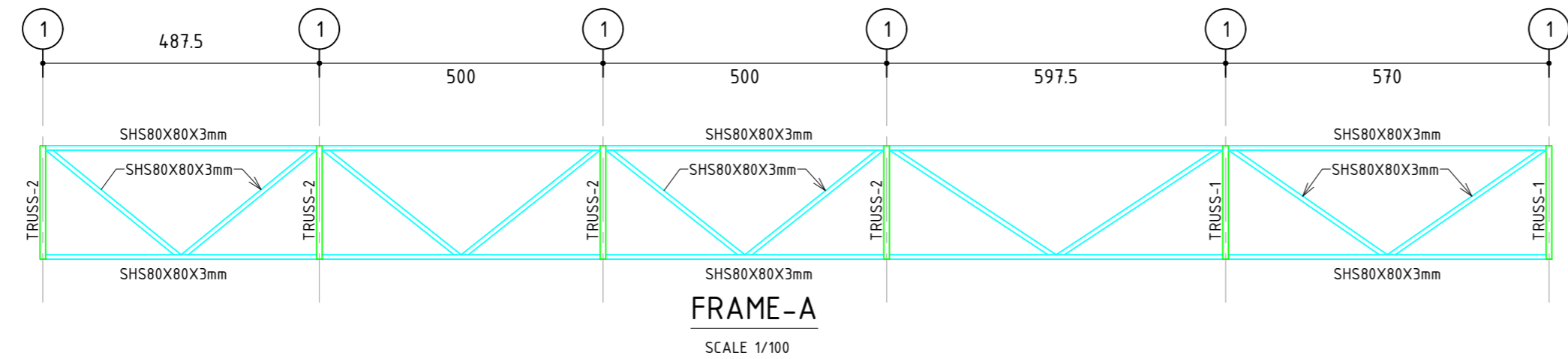
TRUSS-1  
SCALE 1/100



TRUSS-2  
SCALE 1/100



TYPICAL BRACING FACADE  
SCALE 1/100



FRAME-A  
SCALE 1/100

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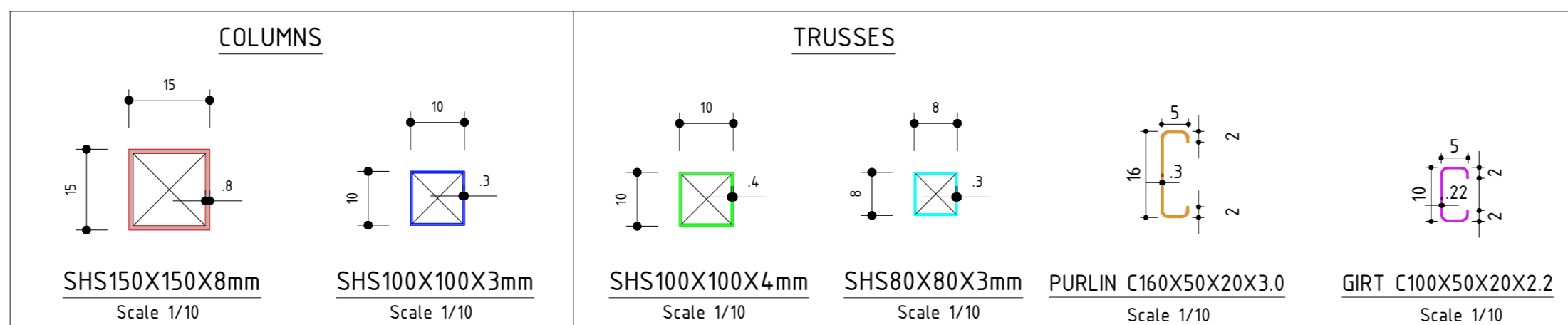
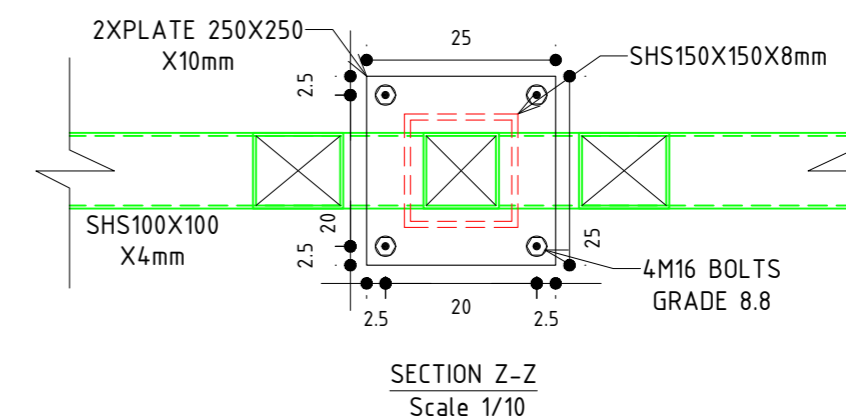
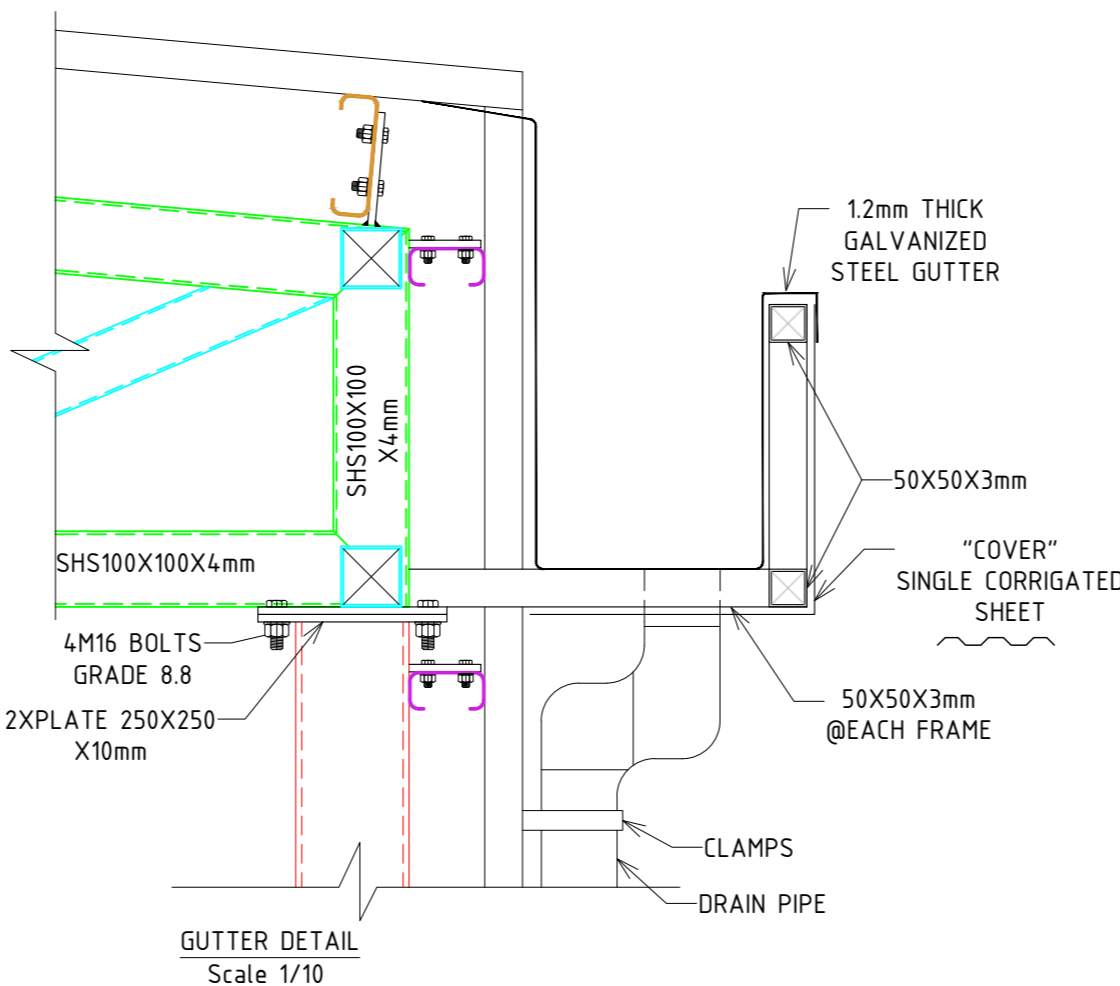
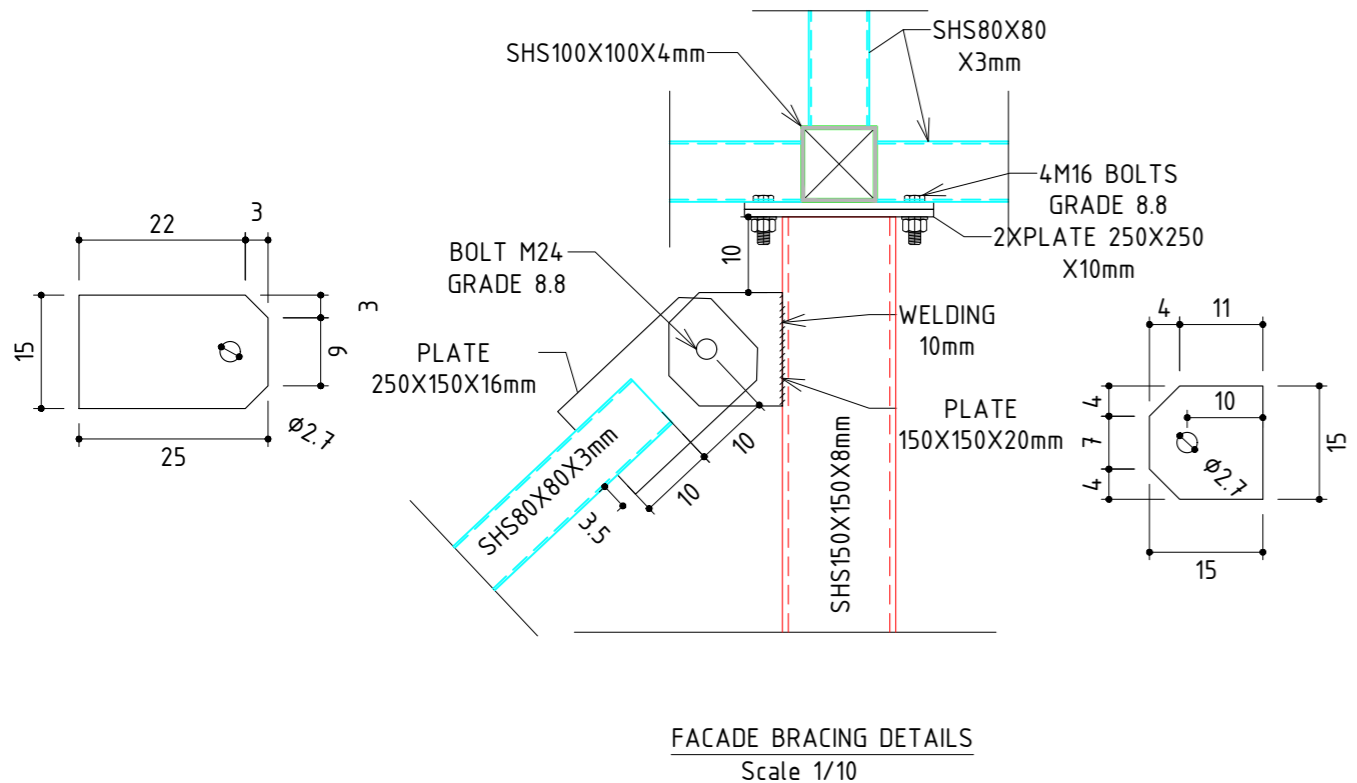
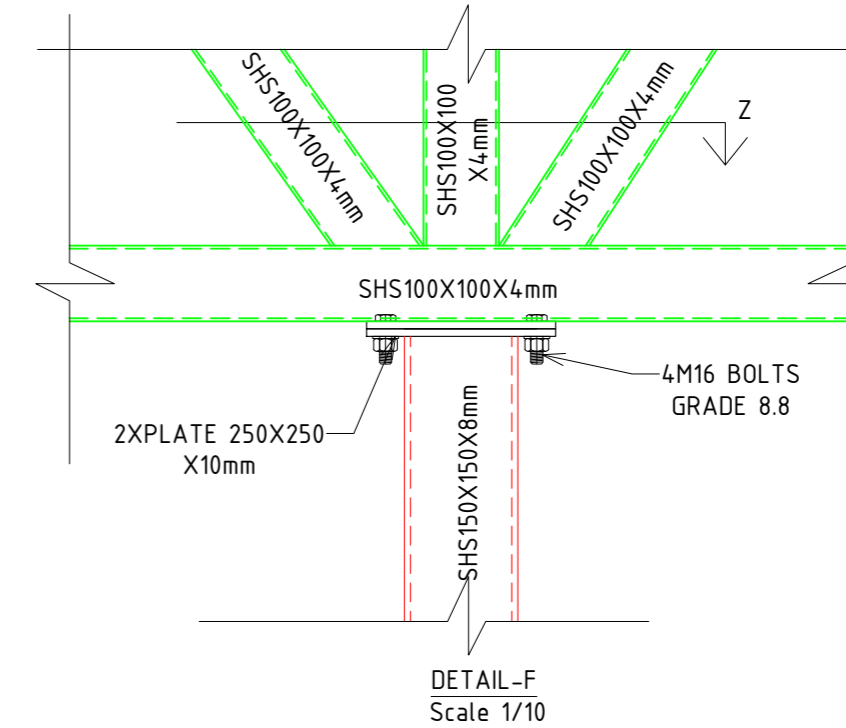
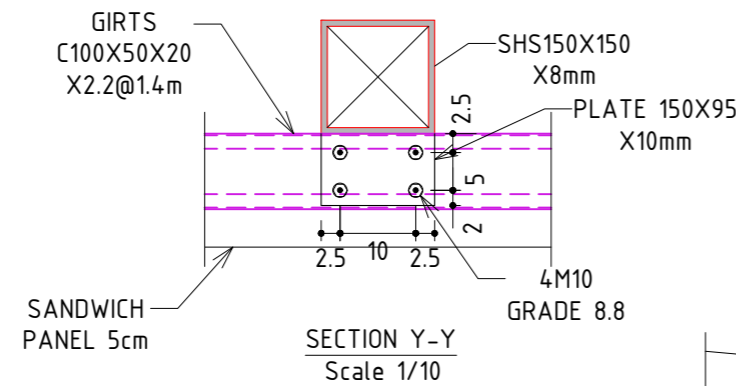
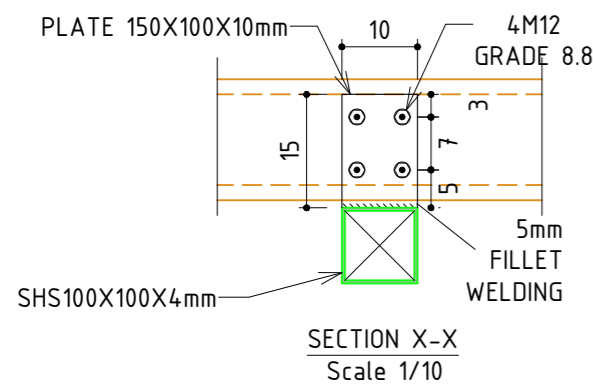
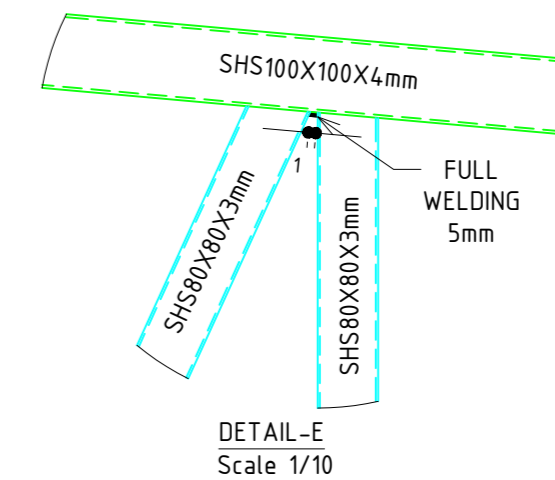
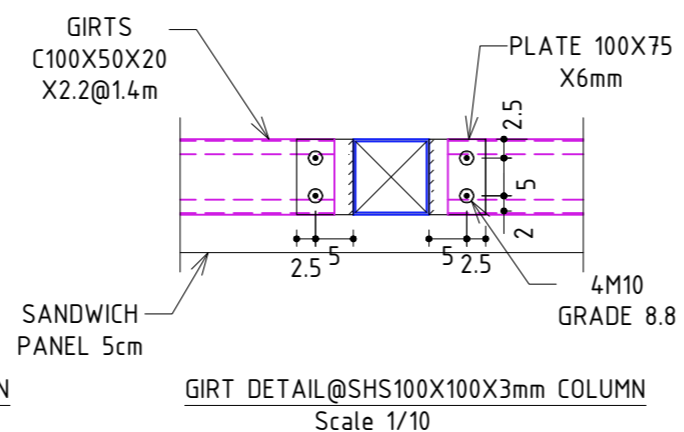
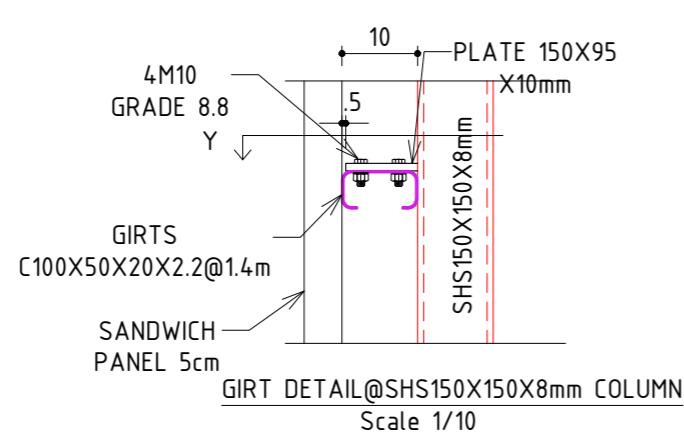
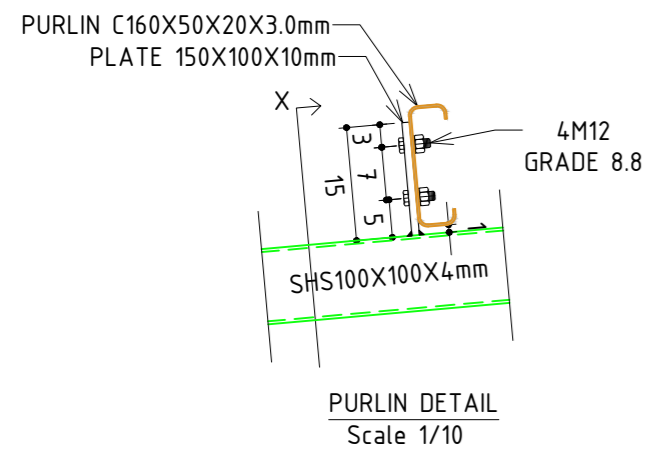
**PROJECT:**  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

**FUNDED BY:**  
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DESIGNED BY: MES TEAM  
DRAWN BY: MES TEAM  
CHECKED BY: I.M.

00	20/10/25	DETAILED DRAWINGS	I.M.	TITLE: FRAMING DETAILS	
R	DATE:	ISSUED	NAME	DATE: OCTOBER, 2025	SCALE: 1:100
				DWG. NO: S10	SHEET: 1/1
				PRO. NO:	



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E-mail :mourrah.office@gmail.com

**REINFORCED CONCRETE :**  
a) REINFORCED CONCRETE SHALL HAVE A MINIMUM 28 DAYS CUBE CRUSHING STRENGTH OF: B300 (300 Kg/cm<sup>2</sup>) FOR ALL STRUCTURAL MEMBERS

**STEEL NOTES :**  
1- ALL SHS/RHS/ANGLES/PLATES/PIPES/PURLINS/ GIRTS SHALL BE GALVANIZED TO MINIMUM OF 60 MICRON AND TREAT WELD LOCATIONS BY COLD ZINC. IPE/HEA/UPN SHALL BE BLACK STEEL PAINTED WITH EPOXY PAINT.  
2- ANCHOR BOLT, WASHER, FLAT WASHER, SPRING WASHER AND NUTS ARE GALVANIZED BY (THERMO) DIFFUSION TO A THICKNESS OF MIN. 45 MICRON.  
3- ALL DIMENSIONS ARE IN CENTIMETER AND ALL LEVEL ARE IN METER.  
4- READ WITH SPECIFICATIONS AND ALL ENGINEERS AND ARCHITECTS DRAWINGS.  
5- NO USE OF SCALE IS ALLOWED, ONLY FIGURED DIMENSIONS ARE TO BE TAKEN INTO CONSIDERATION ANY DISCREPANCIES MUST BE REPORTED TO THE STRUCTURAL ENGINEER.  
6- THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ENGINEER APPROVAL BEFORE START OF FABRICATION.  
7- STEEL GRADE IS S275.

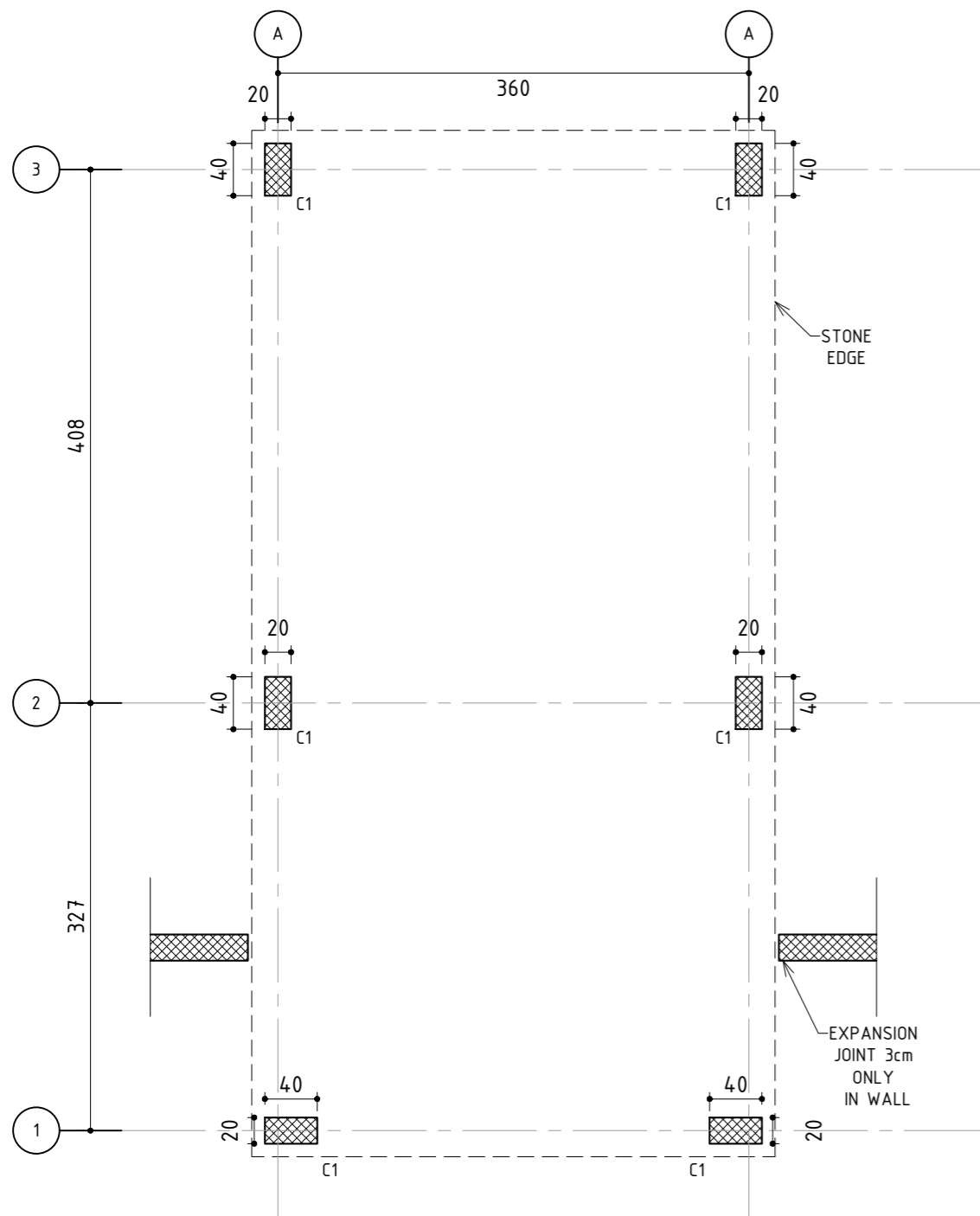
**PROJECT:**  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

**FUNDED BY:**  
Enabel

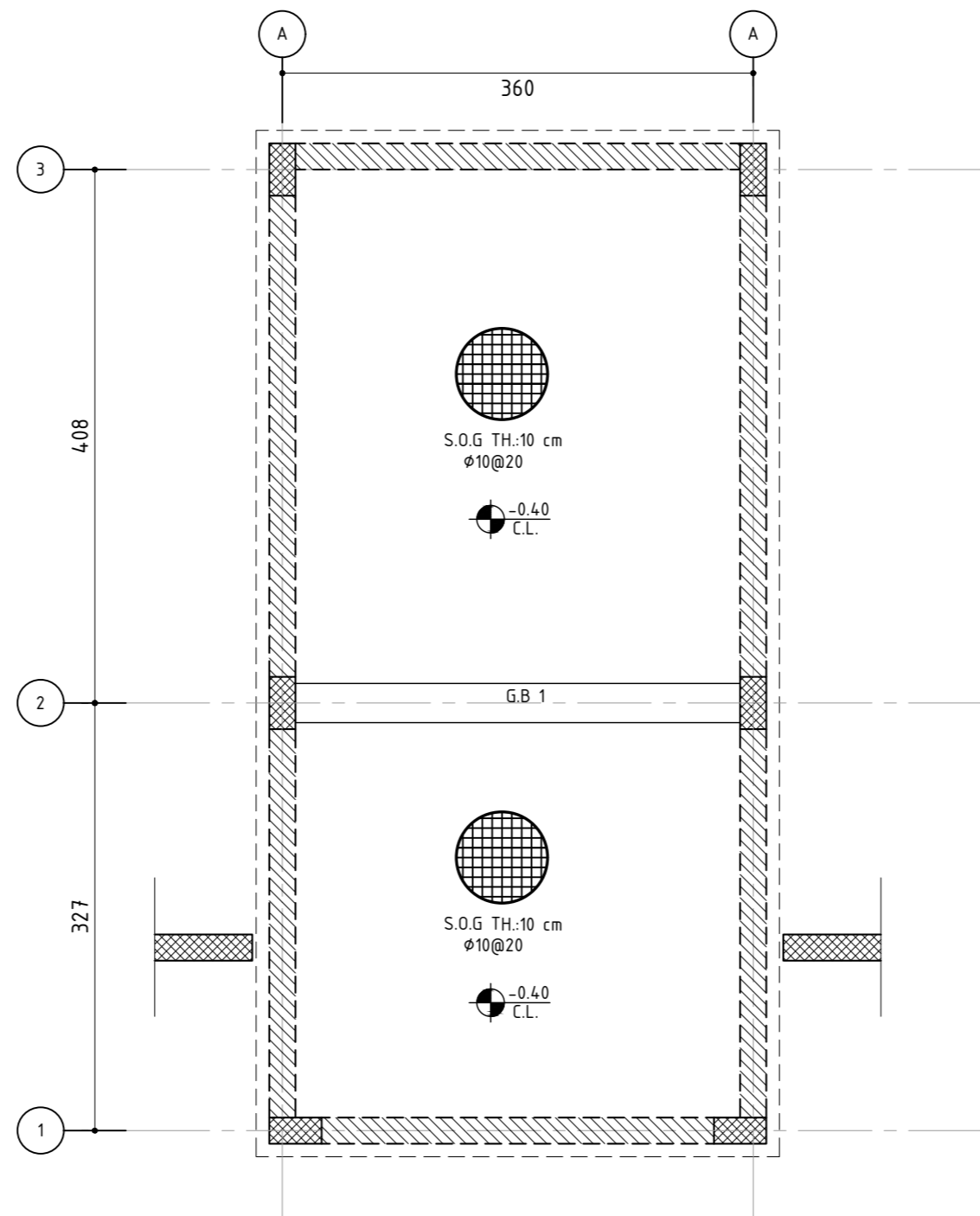
**OWNER:**  
المجلس المشترك لإدارة النفايات الصلبة لمحافظة الخليل  
Joint Service Council For Solid Waste Management Hebron

**CONSULTANT:**

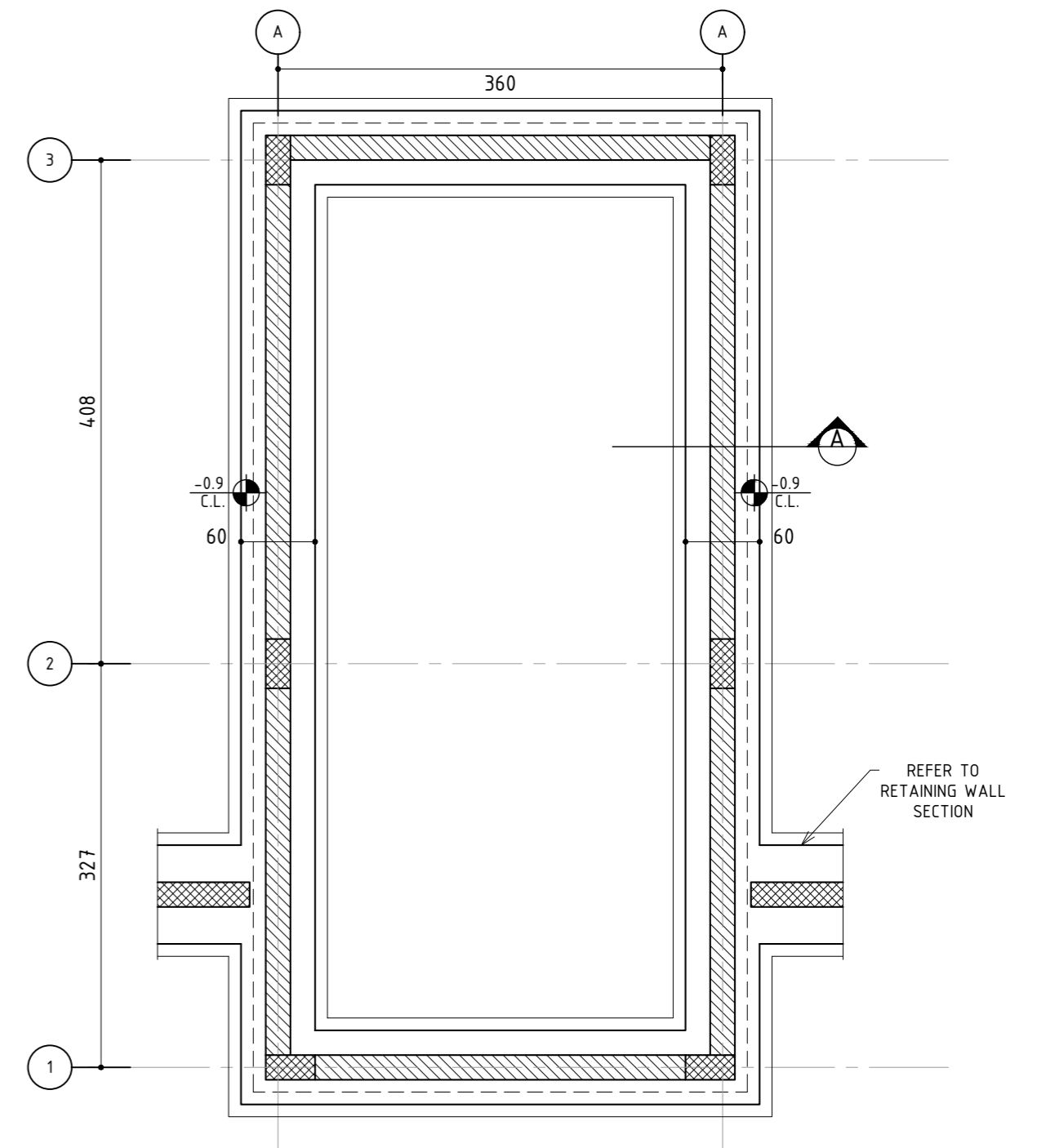
00	20/10/25	DETAILED DRAWINGS	I.M.	TITLE: FRAMING DETAILS	
R	DATE:	ISSUED	NAME	DATE: OCTOBER, 2025	SCALE: 1:10
DESIGNED BY: MES TEAM DRAWN BY: MES TEAM CHECKED BY: I.M.				DWG. NO: S11	SHEET: 1/1
				PRO. NO:	



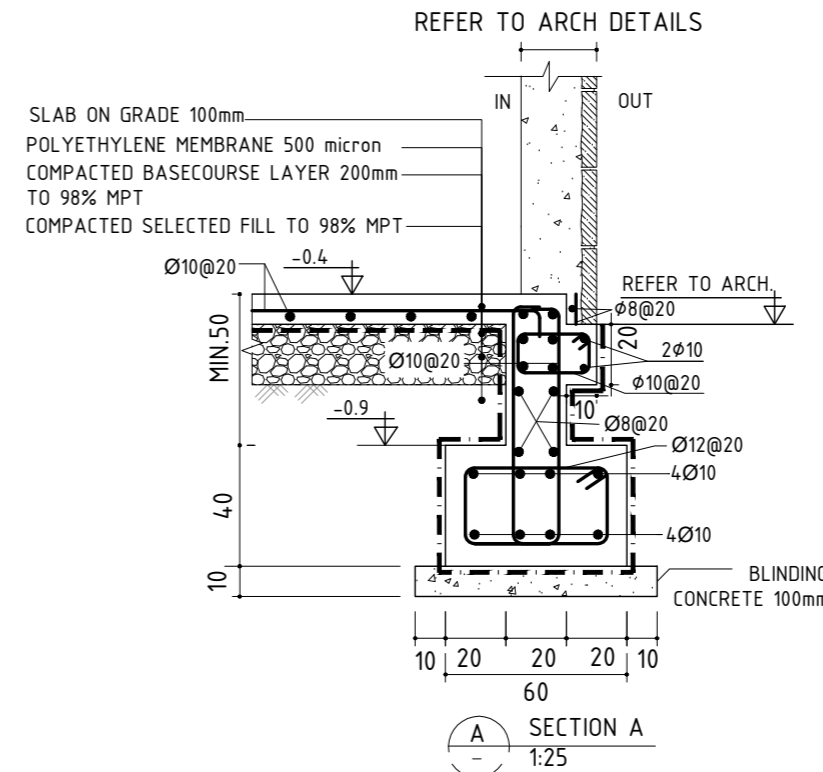
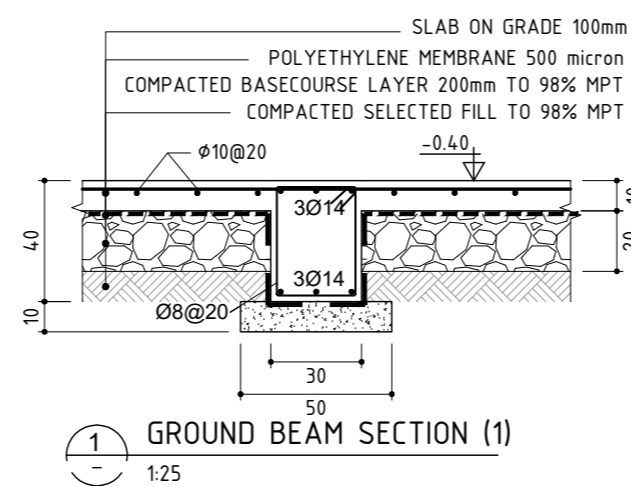
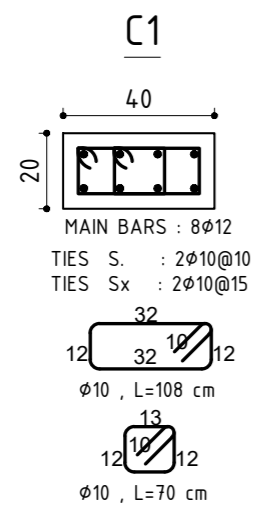
COLUMN LAYOUT  
SCALE 1/50



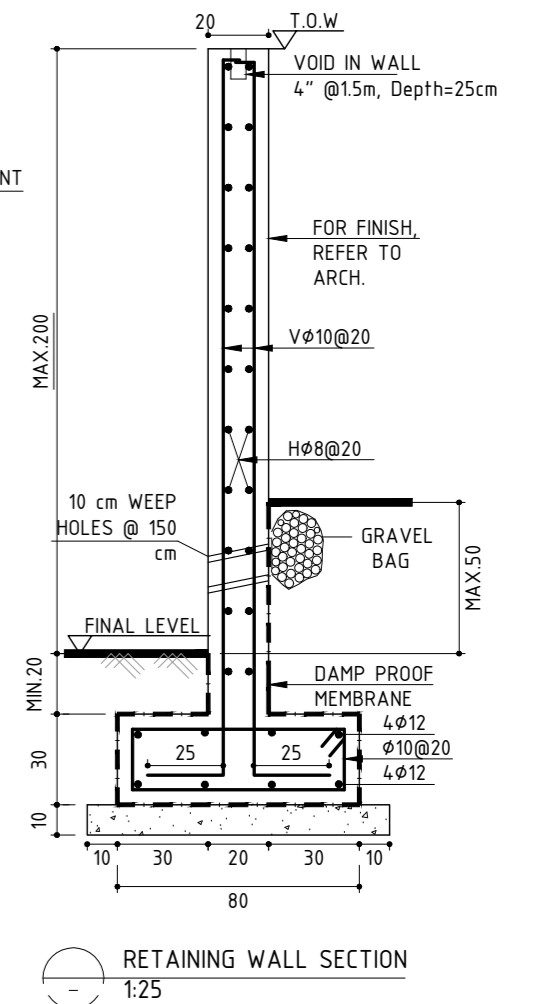
SLAB ON GRADE LAYOUT  
SCALE 1/50



FOUNDATION LAYOUT  
SCALE 1/50



NOTE:  
APPLY 2cm  
EXPANSION JOINT  
EVERY 12m.  
AND CONTROL JOINT  
EVERY 6m.



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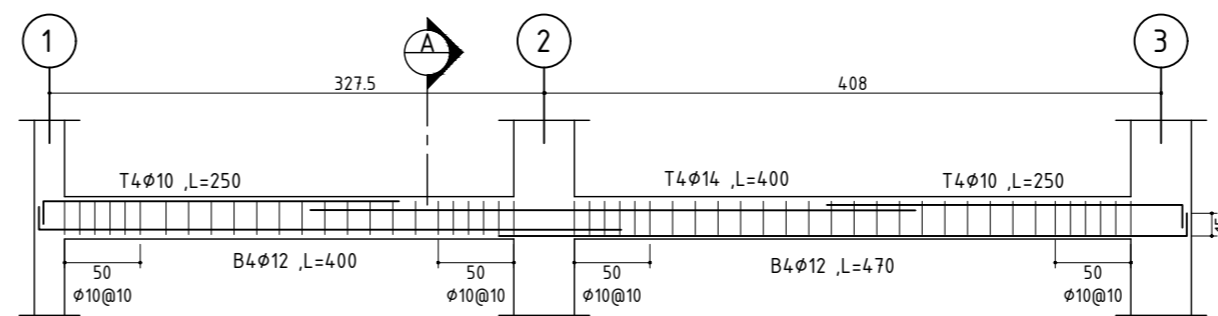
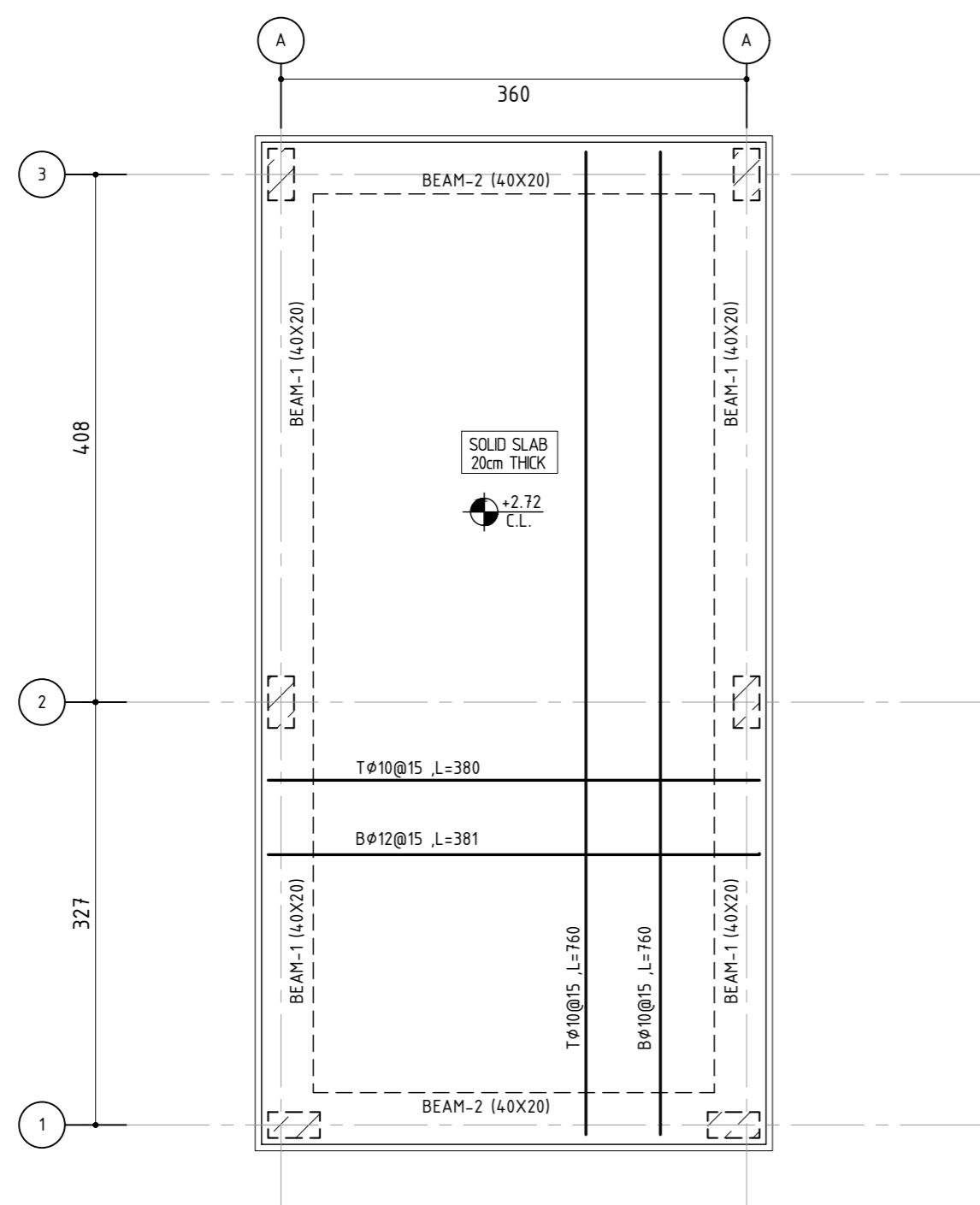
PROJECT:  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

FUNDED BY:  
Enabel

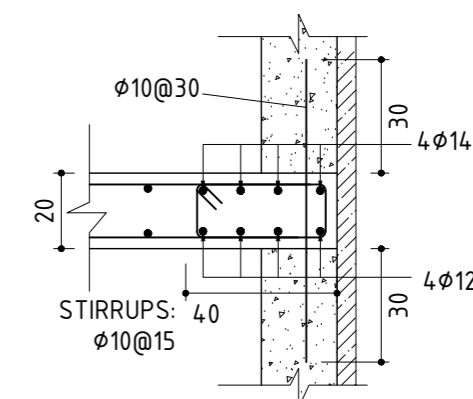
OWNER:  
المجلس المشترك لإدارة النفايات الصلبة لمحافظة الخليل  
Joint Service Council For Solid Waste Management Hebron

CONSULTANT:  
DESIGNED BY: MES TEAM  
DRAWN BY: MES TEAM  
CHECKED BY: I.M.

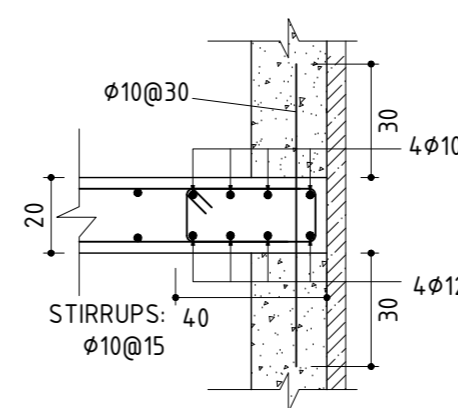
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R	DATE:	ISSUED	NAME	DATE: OCTOBER, 2025
				SCALE: AS SHOWN
				DWG. NO: S12
				SHEET: 1/1
				PRO. NO:



BEAM- B1  
SCALE 1:50



SECTION A-A/BEAM-1  
SCALE 1:20



SECTION in BEAM-2  
SCALE 1:20

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**PROJECT:**  
CONSTRUCTION OF A BUILDING AND GARAGE FOR THE JOINT SERVICE COUNCIL FOR SOLID WASTE MANAGEMENT HEBRON GOVERNORATE.

**FUNDED BY:**

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**OWNER:**























































**CONSULTANT:**







































00	20/10/25	DETAILED DRAWINGS	I.M.
R	DATE:	ISSUED	NAME
DESIGNED BY: MES TEAM DRAWN BY: MES TEAM CHECKED BY: I.M.			

TITLE: GUARD ROOM DETAILS-2	
DATE: OCTOBER, 2025	SCALE: AS SHOWN
DWG. NO: S13	SHEET: 1/1
PRO. NO:	

NO.	DESCRIPTION
E000	TITLE&LEGEND
E001	EARTH SYSTEM
E002	EXTERNAL WORKS
E101	LIGHTING LAYOUT WAREHOUSE BUILDING
E102	LIGHTING LAYOUT WAREHOUSE TOP
E103	EMERGENCY LIGHTING LAYOUT WAREHOUSE BUILDING
E201	POWER LAYOUT WAREHOUSE BUILDING
E202	POWER LAYOUT WAREHOUSE TOP
E301	LOW CURRENT LAYOUT WAREHOUSE BUILDING
E401	FIRE ALARM SYSTEM WAREHOUSE BUILDING
E501	CABLE TRAY SYSTEM WAREHOUSE BUILDING
E601	GUARD ROOM
E701	POWER DIAGRAMS-1
E701	POWER DIAGRAMS-2

SYMBOL	DESCRIPTION
A1	 SURFACE MOUNTED LIGHTING FIXTURE 30X120CM 41W LED, 5500LM,4000K, 50,000HR, L80/B10 POLY-CARBONATE BODY AND OPAL DIFFUSER IK08, CRI 80,UGR 19, IP44.
A2	 CEILING MOUNTED GLOBE 30W LED, 4000LM,4000K, 50,000HR, 30CM POLY-CARBONATE BODY AND OPAL DIFFUSER IK08, CRI 80, UGR 19, IP65.
A3	 200W,COB LED 25000LM, 4000K,LED PROJECTOR, DIE CAST ALUMINUM BODY WITH HEAT SINK ,UGR 19, CRI 80, IK08 GLASS IP65
A4	 140W LED, 18000 LM, 4000K PENDANT LIGHTING FIXTURE,(HIGH BAY) INDUSTRIAL , WITH DIE-CAST ALUMINUM BODY, IP65, IK08,WITH ALL SUSPENSION ACCESSORIES.
A5	 SAFETY LUMINAIR WITH LED TECHNOLOGY RECESS MOUNTED TYPE MICRO POINT 2.9W LED,84LM,IP40 EMERGENCY LIGHT FIXTURE,WITH ALUMINUM HOUSING,SELF CONTAINED, FOR THREE HOURS DURATION.
A6	 LED ESCAPE SIGN LUMINAIRE OF HIGH QUALITY,UV RESISTANT, HALOGEN-FREE PLASTIC SAFETY LUMINAIR WITH LED TECHNOLOGY WALL/SUSPENDED MOUNTED TYPE 4.5W LED,CRI80,IP40,WITH POLYCARBONATE HOUSING,SELF CONTAINED, FOR THREE HOURS DURATION.
A7	 SAFETY LUMINAIR WITH LED TECHNOLOGY 2X3W LED,370LM,IP65 EMERGENCY LIGHT FIXTURE,FOR HIGH LEVEL INSTALLATION INDUSTRIAL TYPE ,WITH ALUMINUM HOUSING,SELF CONTAINED, FOR THREE HOURS DURATION.

SYMBOL	DESCRIPTION
	3-PIN,(1-PHASE) 16A SOCKET OUTLET
	DITTO, BUT WEATHER PROOF
	3-PIN,(1-PHASE) 16A DOUBLE SOCKET OUTLET
	DITTO, BUT WEATHER PROOF
	SOCKET ABOVE FALSE CEILING
	3-PIN,(1-PHASE) 16A SOCKET OUTLET RED COLOR CONNECTED TO UPS
	DITTO, BUT DOUBLE SOCKET OUTLET
	DITTO, BUT ABOVE FALSE CEILING
	5-PIN(3-PHASE) 16A SOCKET OUTLET
	20A AC SOCKET OUTLET
	ELECTRICAL BELL
	ELECTRIC BOX.
	WALL EXTRACT FAN
	IN-LINE EXTRACT FAN
	2-POLE ISOLATING SWITCH
	4-POLE ISOLATING SWITCH
	AC UNIT,OUTDOOR,INDOOR.
	CIRCUIT BREAKER,MCB,MCCB
	EARTH LEAKAGE RELAY (RCD)
	AUTOMATIC TRANSFER SWITCH (ATS)
	HAND DRYER OUTLET
	HOT WATER CYLINDER
	WATER PUMP
	THERMOSTAT OUTLET
	FAN COIL UNIT
	CENTRIFUGAL EXTRACT FAN
	ONE-WAY SWITCH SINGLE POLE/ONE GANG,TWO GANG, THREE GANG,DOUBLE POLE SWITCH.
	TWO-WAY SINGLE POLE SWITCH/INTERMEDIATE, CROSS SWITCH
	SWITCH PANNEL
	PUSH BUTTON
	SHUTTER,DOOR MOTOR
	SHUTTER SWITCH UP/DN
	TELEPHONE SOCKET OUTLET
	RJ45 DATA SOCKET OUTLET
	WIRELESS ACCESS POINT-WI-FI
	SATELLITE SOCKET OUTLET
	INDOOR INTERCOM UNIT
	OUTDOOR INTERCOM UNIT
	ADSL ROUTER
	DOME CAMERA
	BOX CAMERA
	360°DOME CAMERA
	LOW VOLTAGE BOARD
	DATA RACK CABINET
	DISTRIBUTION BOARDS/MAIN,SUB

SYMBOL	DESCRIPTION
	SMOKE DETECTOR
	HEAT DETECTOR
	GAS DETECTOR
	MANUAL PULL STTION/BREAK GLASS UNIT
	INDICATION LAMP
	INDOOR SIREN AUDIO ONLY
	OUTDOOR SIREN AUDIOVISUAL.
	CONTROL MODULE
	REPEATER PANEL
	FIRE ALARM CONTROL PANEL
	MOTION DETECTOR
	360° MOTION DETECTOR
	VIBRATION DETECTOR
	MAGNETIC CONTACTS
	HAND PANIC BUTTON
	FOOT PANIC BUTTON
	KEYBAD
	INTRUSION INDOOR SIREN AUDIO ONLY
	INTRUSION OUTDOOR SIREN AUDIOVISUAL.
	BURGLAR ALARM CONTROL PANEL
	PROXIMITY HID CARD READER
	DOOR LOCK
	REQUEST TO EXIT PUSH BUTTON
	SUPERVISORY MAGNETIC CONTACTS
	JUNCTION BOX
	ACCESS CONTROL PANEL
	TICKET DISPENSER UNIT (TDU)
	COUNTER DISPLAY UNIT (CDU)
	TELLER STATION UNIT (TSU)
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	HORN SPEAKER
	VOLUME CONTROL
	MIC SOCKET OUTLET
	MIC STATION
	PAVA RACK
	MULTI OUTLET WALL MOUNTED BOX,12/18 MODULE
	FLOOR MOUNTED MULTI OUTLET BOX,16 MODULE


GENERAL NOTES
1- The lighting, power, and low current systems shall be installed separately from each other, i.e. conduits, wires boxes, Etc.
2- Outlet boxes for switches are to be fixed 130cm above FFL and 12 cm horizontally from the outside edge of the nearest door, except where otherwise indicated.
3- Switches shall be wired in the phase lines only, the neutral conductors shall not be broken.
4- Boxes for sockets outlets are to be installed 60cm above FFL, except in kitchen and where otherwise indicated.
5- All sockets shall be wired in the same manner with the phase always connected to the same pole ( right pole ).
6-The height of the top edge of the power Distribution Board above FFL to be 180 cm.
7-All panel boards shall be with doors, and shall be wether water proof in wet areas.
8-The main C.Bs shall be air insulated, adjustable, with magnetic and thermal 10protection, and have a min. rupturing capacity of 25 k.A.
9-The Miniature CBs shall be of the air insulated type with magnetic and thermal protection and fixed adjustment, the main rupturing capacity of these M.C.Bs shall not be less than 6 K.A.
11- The foundation of the building should be used in the main earth system, but the electrodes are added to the main earth system if the resistance test does not 12-fulfill requirements, typically one Ohm.
13- Galvanized steel strips must be welded to beams every 1.5m in closed loop, and when reaching columns, columns should be sorounded by steel strips and welded well to earthing loop Galvanized steel strips should not be less than 30*3mm Earth resistance measuring shall be carried before backfilling.

NOTES
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

Legend:

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:



OWNER:



PROJECT :  
Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

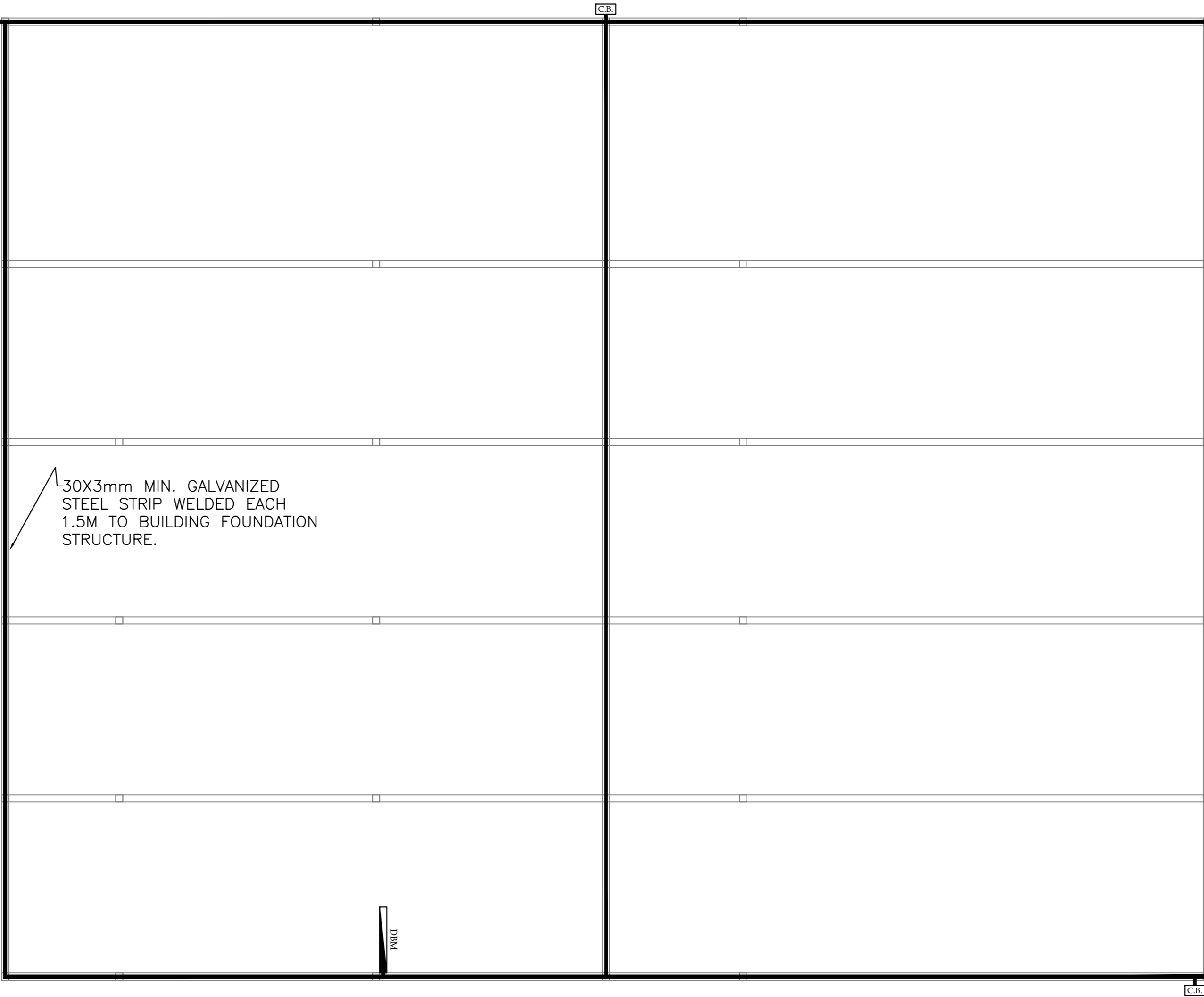
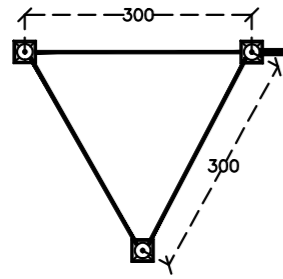
TENDER NO. :

DESIGNED BY:



SPARKLE  
SPARKLE Engineering Office  
Email:sparkoffice22@gmail.com  
Tel:02-2264082, Mob:0598309081

DRAWING TITLE	TITLES AND LEGEND	DATE: 15-09-2025
ELEC. ENG :	FIRAS DAGHAMIN	SCALE: 1:100
		DRAWING NO: E000



30X3mm MIN. GALVANIZED  
STEEL STRIP WELDED EACH  
1.5M TO BUILDING FOUNDATION  
STRUCTURE.

DRAIN

**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And  
Garage For The Joint Service Council  
For Solid Waste Management Hebron  
Governorate.

TENDER NO. :

**DESIGNED BY:**



**SPARKLE**  
SPARKLE Engineering Office  
Email: sparkoffice22@gmail.com  
Tel: 02-2264082, Mob: 0598309081

**DRAWING  
TITLE**

**EARTH SYSTEM**

**ELEC. ENG :**

**FIRAS DAGHAMIN**

**DATE:**

15-09-2025

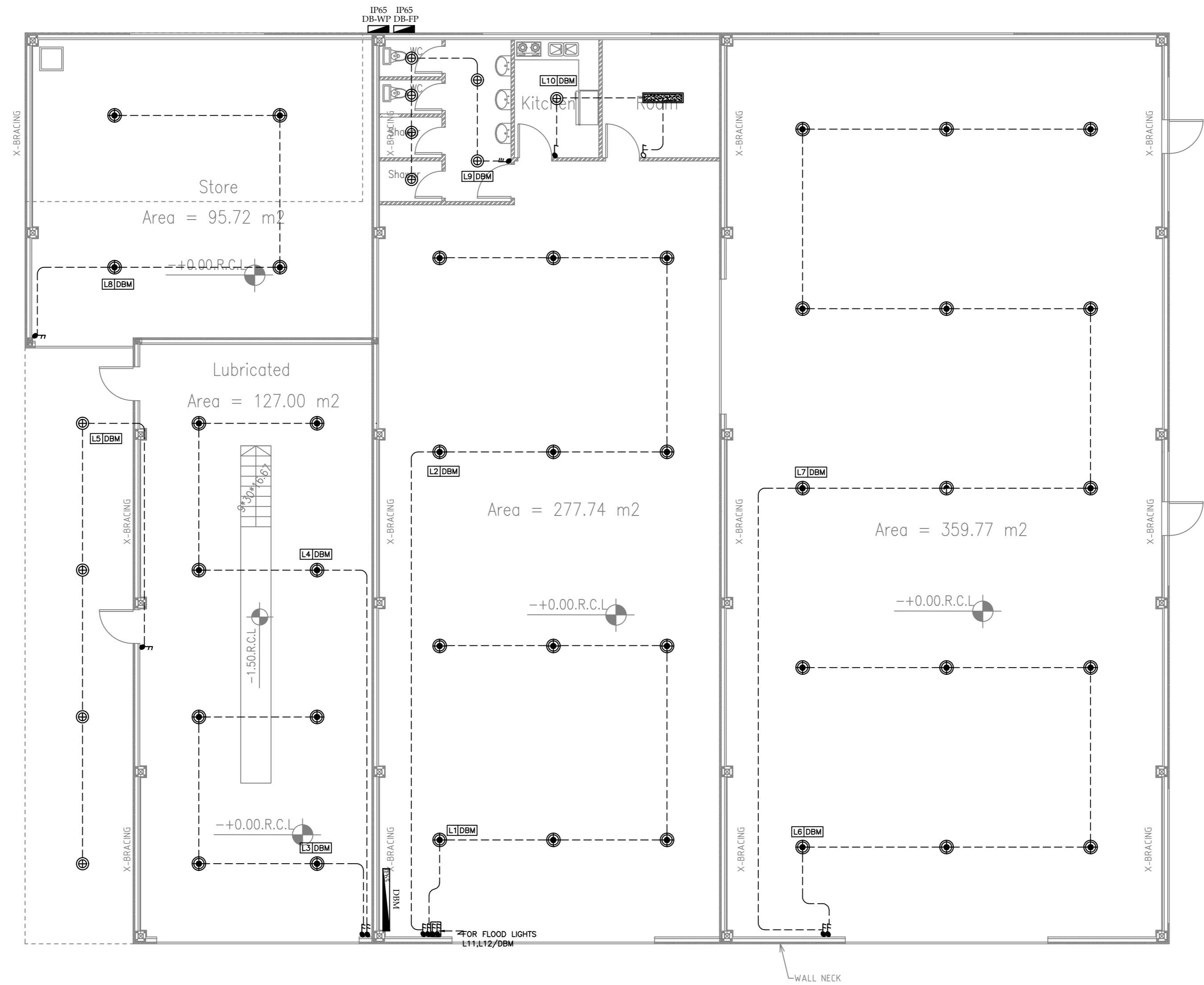
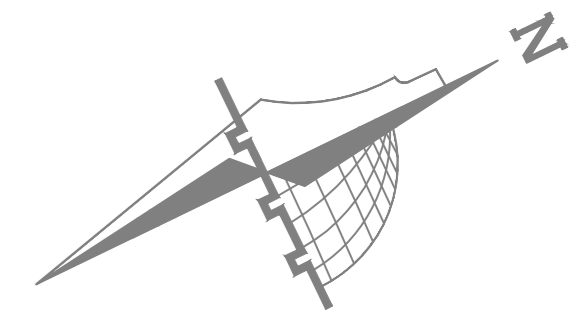
**SCALE:**

**1:100**

**DRAWING NO.:**

**E001**





**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**



**SPARKLE**  
 SPARKLE Engineering Office  
 Email: sparkoffice22@gmail.com  
 Tel: 02-2264082, Mob: 0598309081

**DRAWING TITLE**

**LIGHTING LAYOUT  
 WAREHOUSE BUILDING**

**ELEC. ENG :**

**FIRAS DAGHAMIN**

**DATE:**

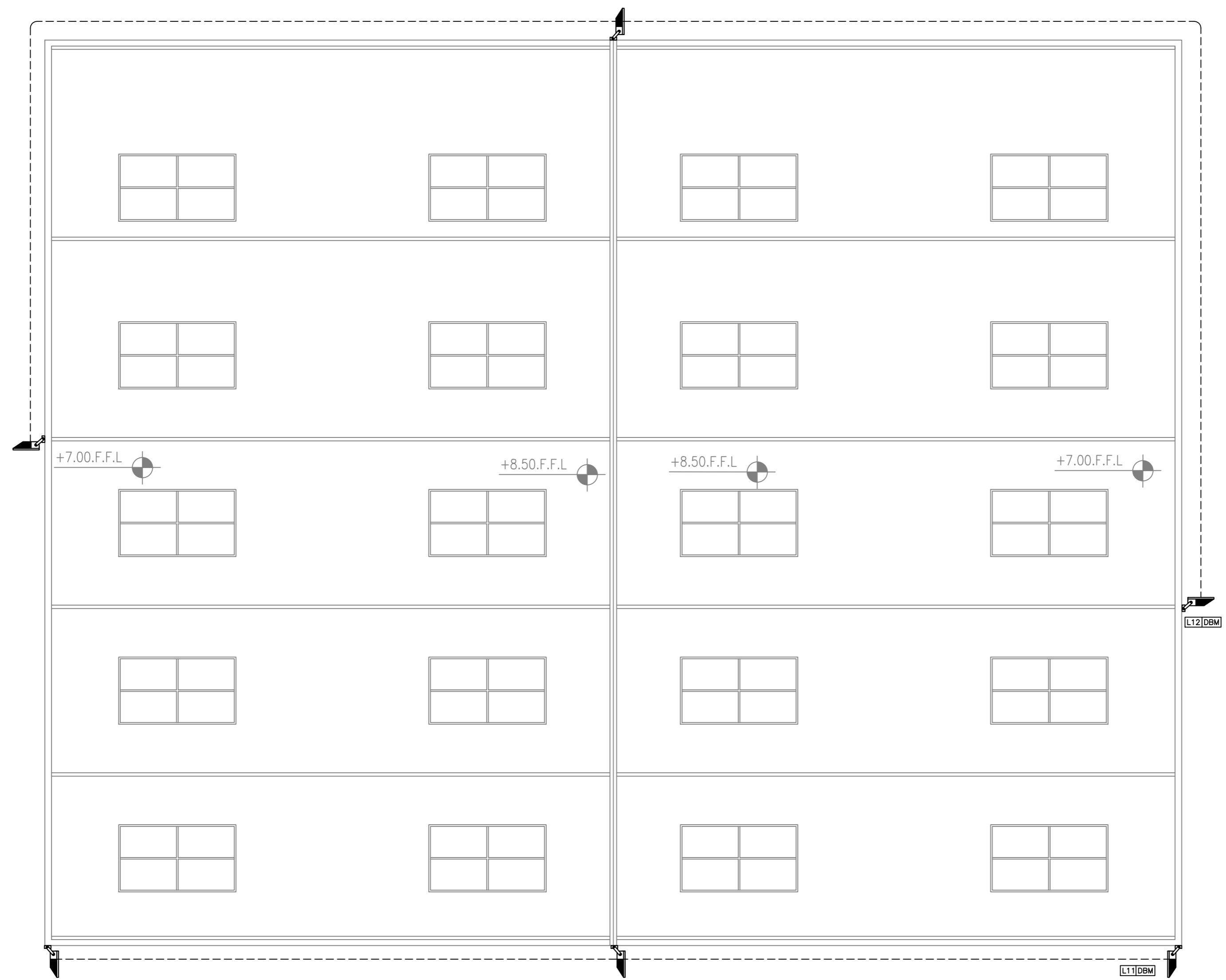
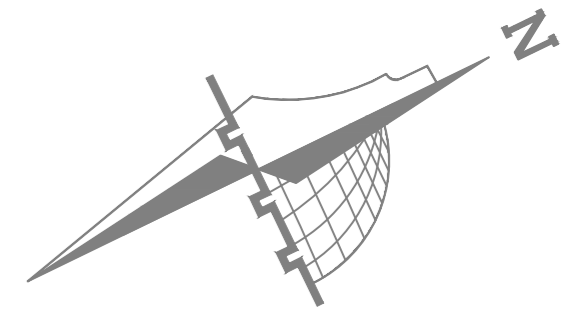
15-09-2025

**SCALE:**

1:100

**DRAWING NO.:**

**E101**



**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

Legend:

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:



OWNER:



PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:



**SPARKLE**  
SPARKLE Engineering Office  
Email: sparkoffice22@gmail.com  
Tel: 02-2264082, Mob: 0598309081

DRAWING TITLE

**LIGHTING LAYOUT  
WAREHOUSE TOP**

ELEC. ENG :

FIRAS DAGHAMIN

DATE:

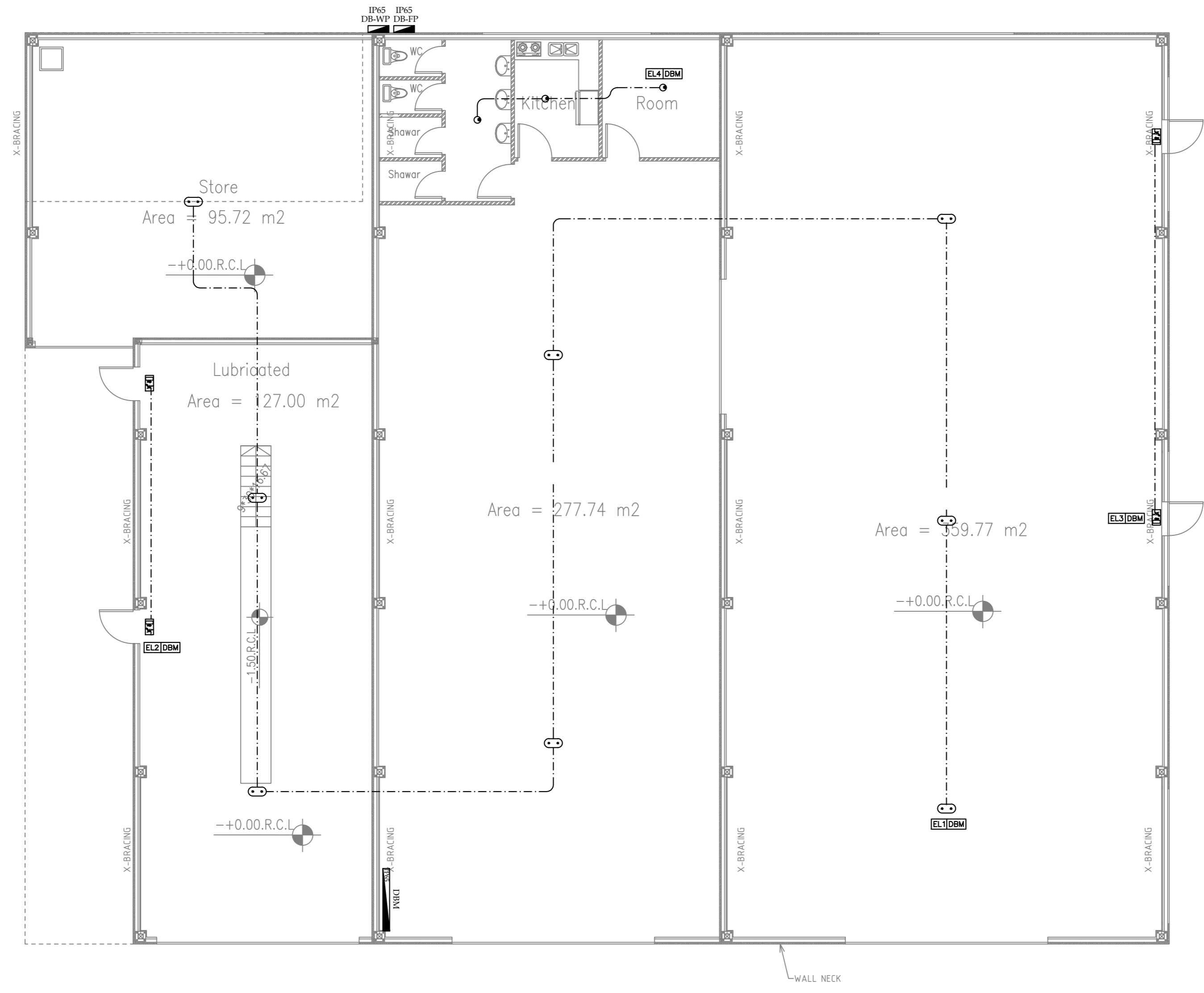
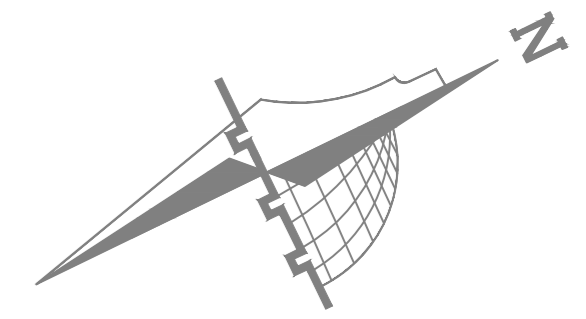
15-09-2025

SCALE:

1:100

DRAWING NO:

E102



**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**



**SPARKLE**  
SPARKLE Engineering Office  
Email: sparkoffice22@gmail.com  
Tel: 02-2264082, Mob: 0598309081

**DRAWING TITLE**

**EMERGENCY LIGHTING WAREHOUSE BUILDING**

**ELEC. ENG :**

FIRAS DAGHAMIN

**DATE:**

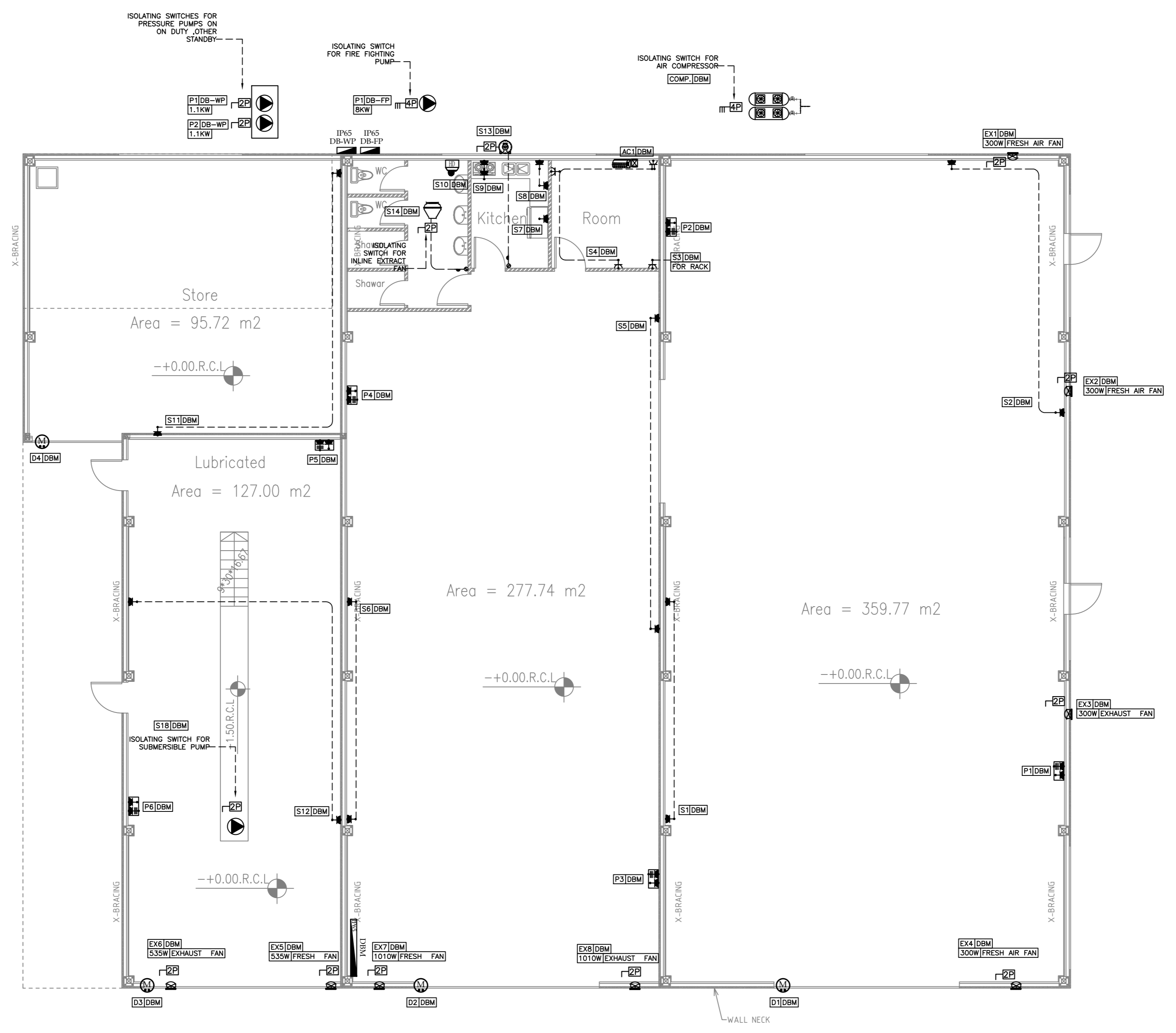
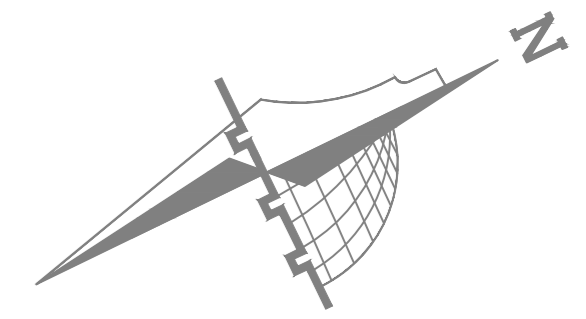
15-09-2025

**SCALE:**

1:100

**DRAWING NO:**

E103



**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

Legend area for symbols and components used in the drawing.

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

**DESIGNED BY:**

**SPARKLE**  
 SPARKLE Engineering Office  
 Email: sparkoffice22@gmail.com  
 Tel: 02-2264082, Mob: 0598309081

**DRAWING TITLE**

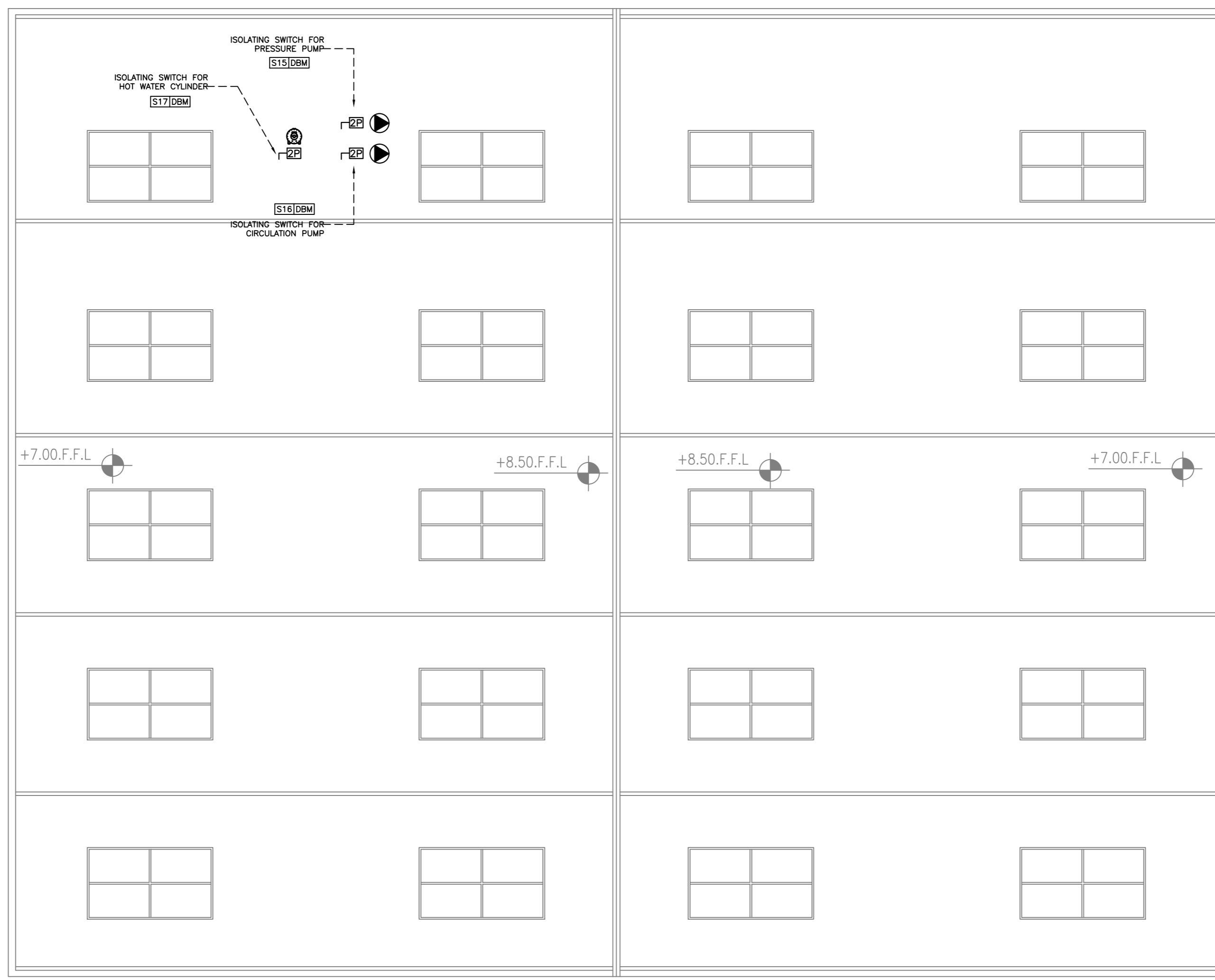
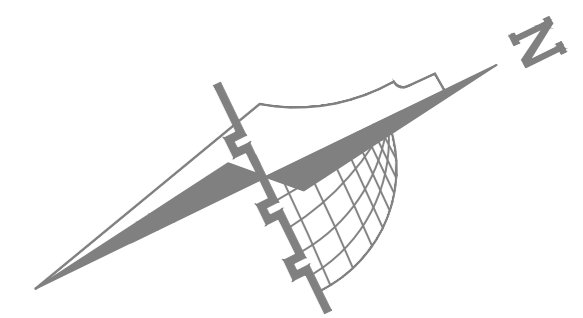
**POWER LAYOUT WAREHOUSE BUILDING**

**DATE:**

15-09-2025  
**SCALE:**  
 1:100  
**DRAWING NO.:**  
 E201

**ELEC. ENG. :** FIRAS DAGHAMIN

**TENDER NO. :**



**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**



**SPARKLE**  
 SPARKLE Engineering Office  
 Email: sparkoffice22@gmail.com  
 Tel: 02-2264082, Mob: 0598309081

**DRAWING TITLE**

**POWER LAYOUT WAREHOUSE TOP**

**ELEC. ENG :**

FIRAS DAGHAMIN

**DATE:**

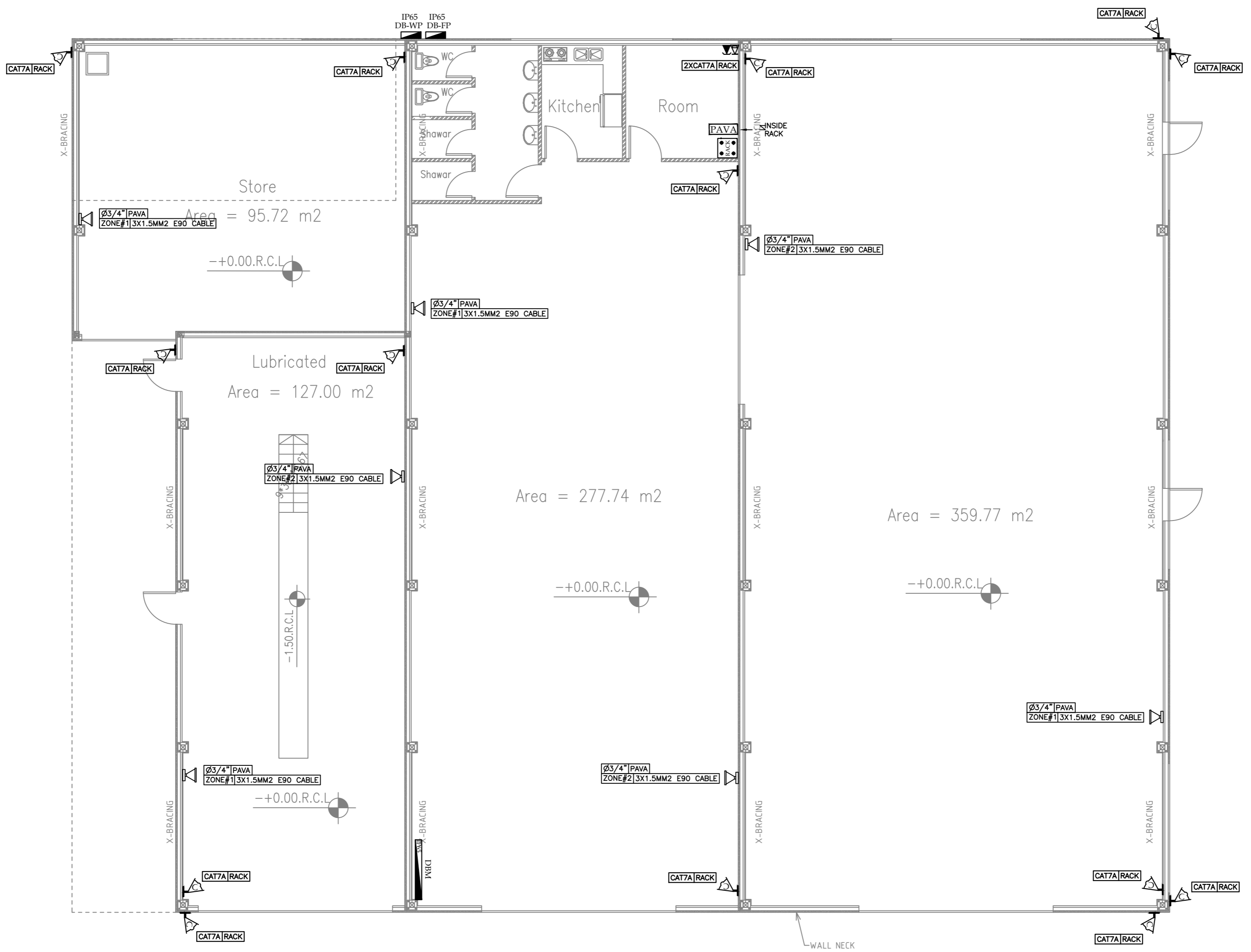
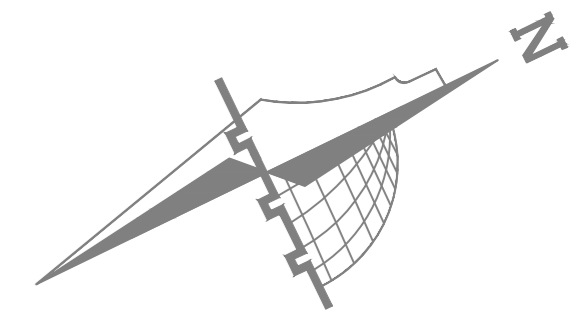
15-09-2025

**SCALE:**

1:100

**DRAWING NO.:**

E202



**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**



**OWNER:**



**PROJECT :**

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

**DESIGNED BY:**



**SPARKLE**  
 SPARKLE Engineering Office  
 Email: sparkoffice22@gmail.com  
 Tel: 02-2264082 , Mob: 0598309081

**DRAWING TITLE**

**LOW CURRENT LAYOUT WAREHOUSE BUILDING**

**ELEC. ENG :**

FIRAS DAGHAMIN

**DATE:**

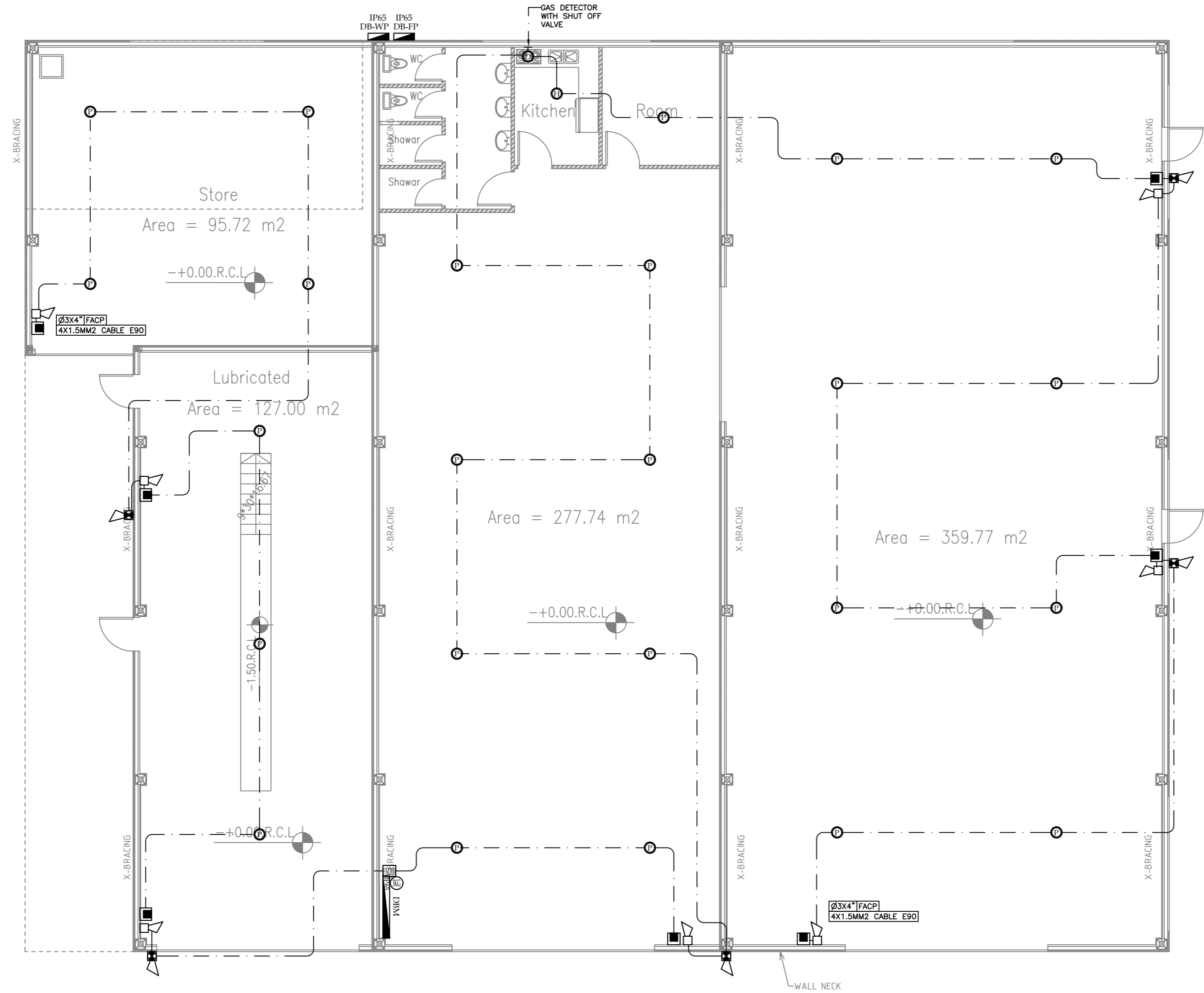
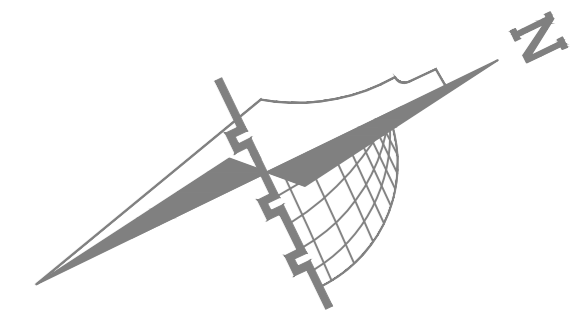
15-09-2025

**SCALE:**

1:100

**DRAWING NO.:**

E301



**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:



OWNER:




PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

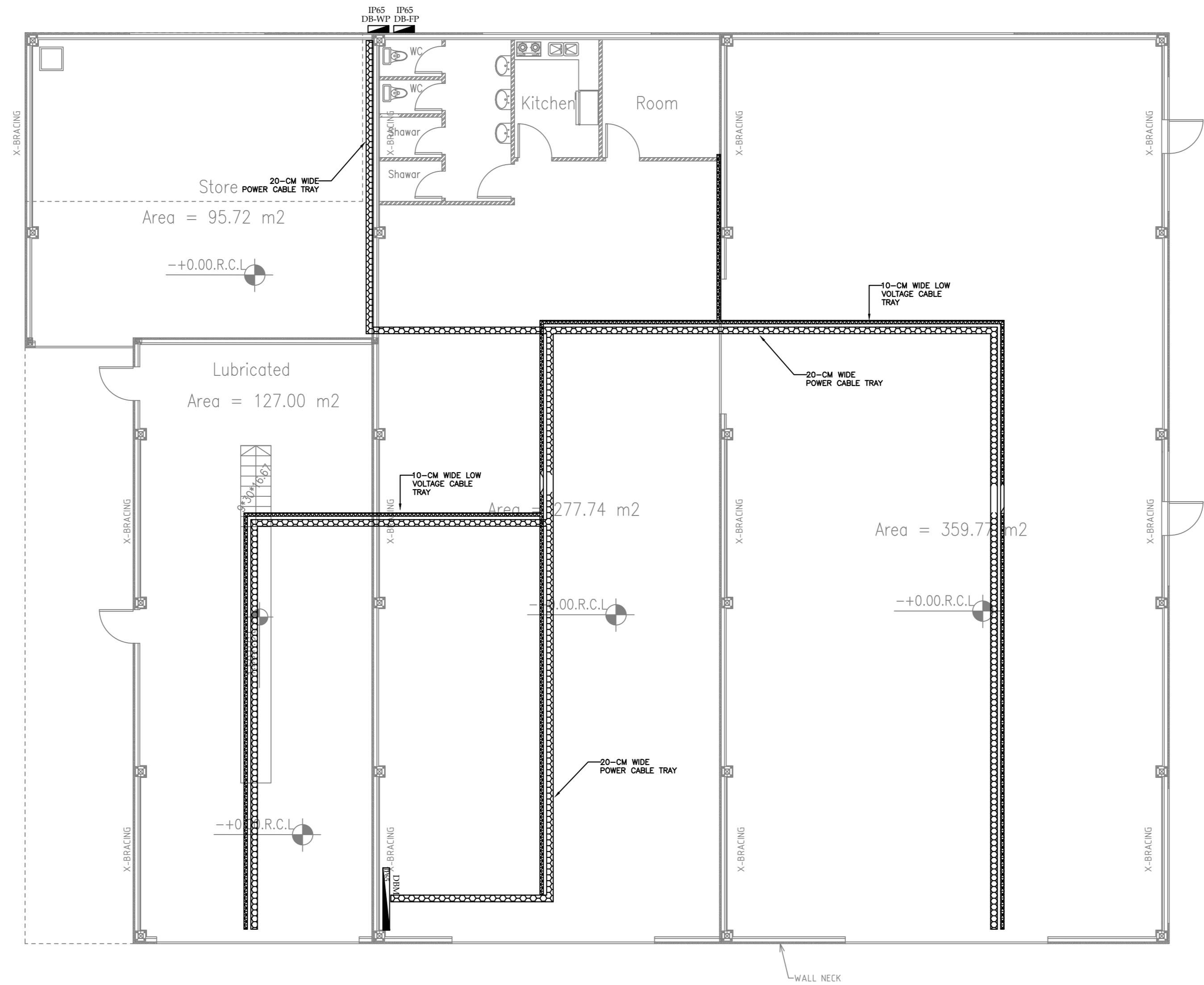
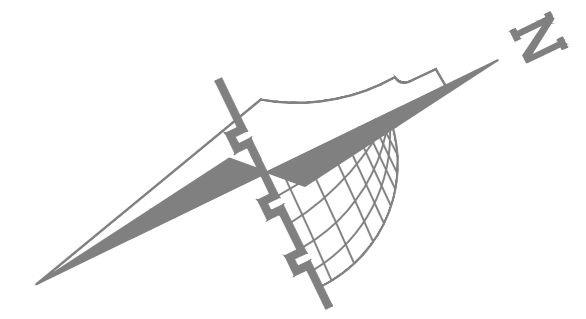
DESIGNED BY:



**SPARKLE**  
 SPARKLE Engineering Office  
 Email: sparkoffice22@gmail.com  
 Tel: 02-2264082, Mob: 0598309081

DRAWING TITLE	<b>FIRE ALARM SYSTEM WAREHOUSE BUILDING</b>
ELEC. ENG :	FIRAS DAGHAMIN

DATE:	15-09-2025
SCALE:	1:100
DRAWING NO.:	E401



**NOTES**

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:




OWNER:



PROJECT :  
Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

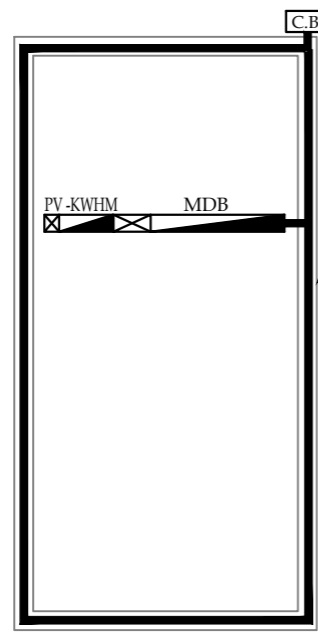
DESIGNED BY:



**SPARKLE**  
SPARKLE Engineering Office  
Email: sparkoffice22@gmail.com  
Tel: 02-2264082, Mob: 0598309081

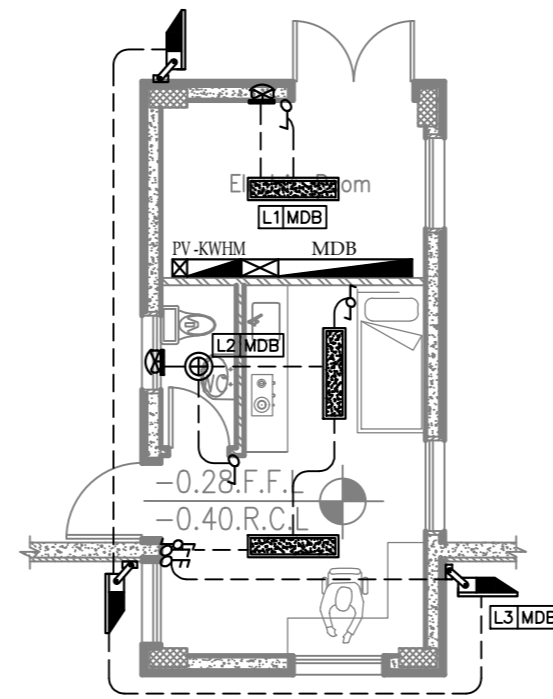
DRAWING TITLE	<b>CABLE TRAY SYSTEM WAREHOUSE BUILDING</b>
ELEC. ENG :	FIRAS DAGHAMIN

DATE:	15-09-2025
SCALE:	1:100
DRAWING NO.:	E501

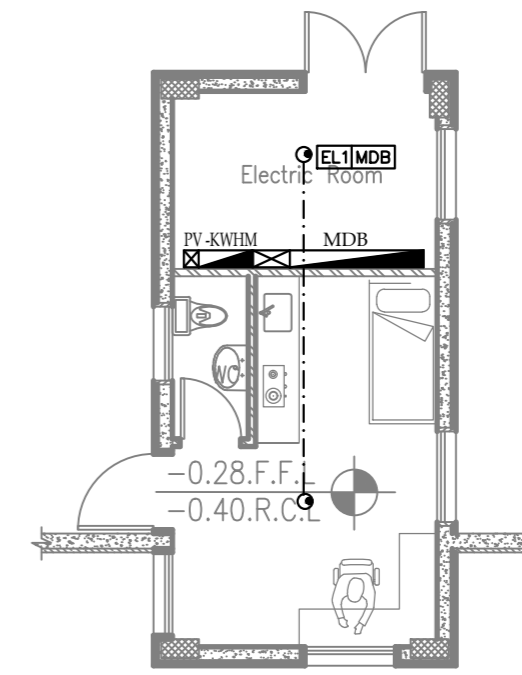


EARTHING SYSTEM

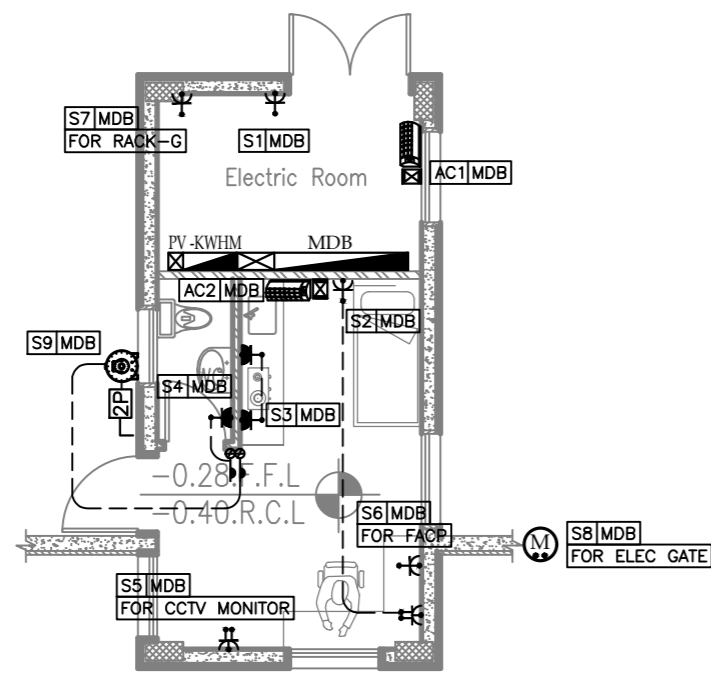
30X3mm MIN. GALVANIZED STEEL STRIP WELDED EACH 1.5M TO BUILDING FOUNDATION STRUCTURE.



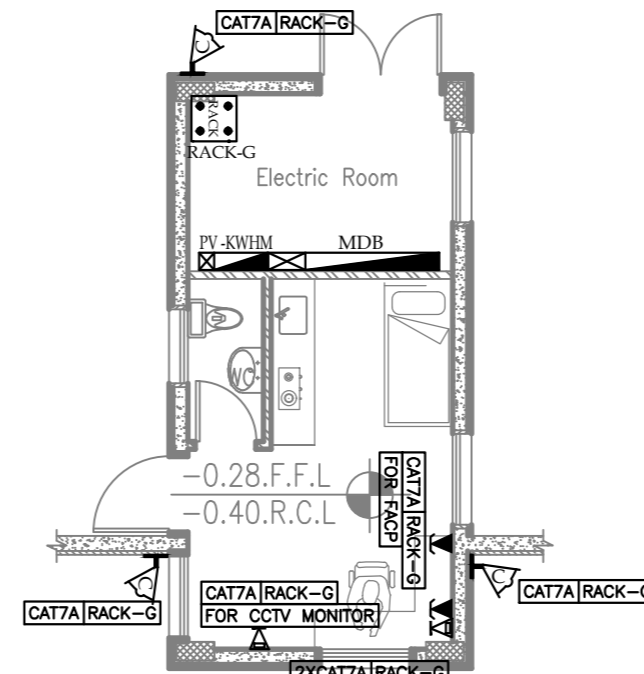
LIGHTING LAYOUT



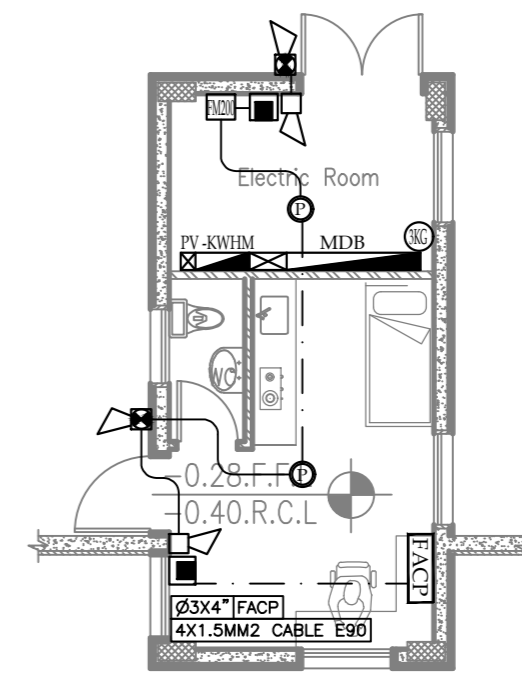
EMERGENCY LIGHTING LAYOUT



POWER SYSTEM



LOW CURRENT SYSTEM



FIRE ALARM SYSTEM

NOTES

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

Legend:

REVISIONS

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:



OWNER:



PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:



SPARKLE Engineering Office  
Email:sparkoffice22@gmail.com  
Tel:02-2264082 ,Mob:0598309081

DRAWING TITLE

Guard Room

ELEC. ENG :

FIRAS DAGHAMIN

DATE:

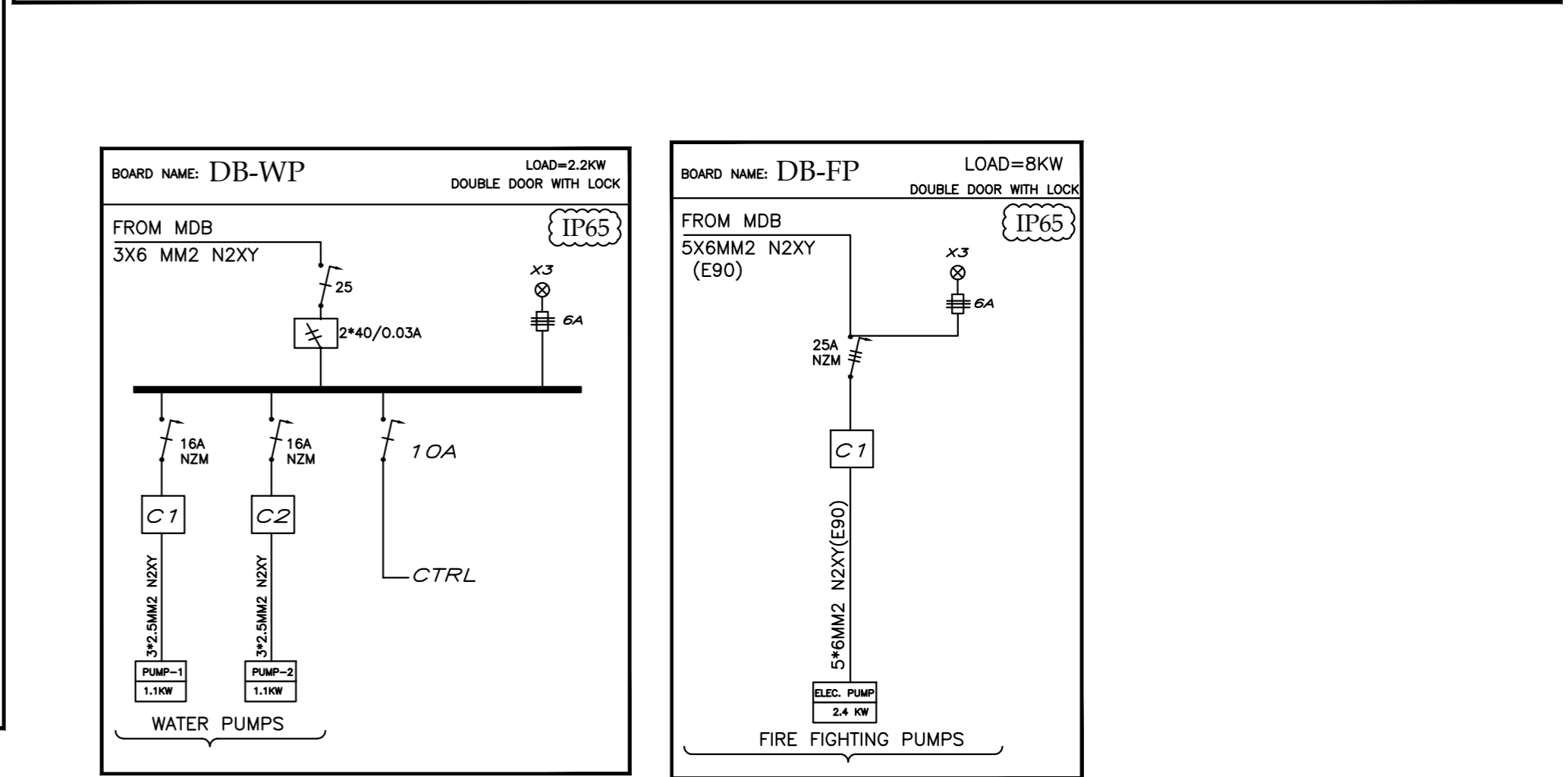
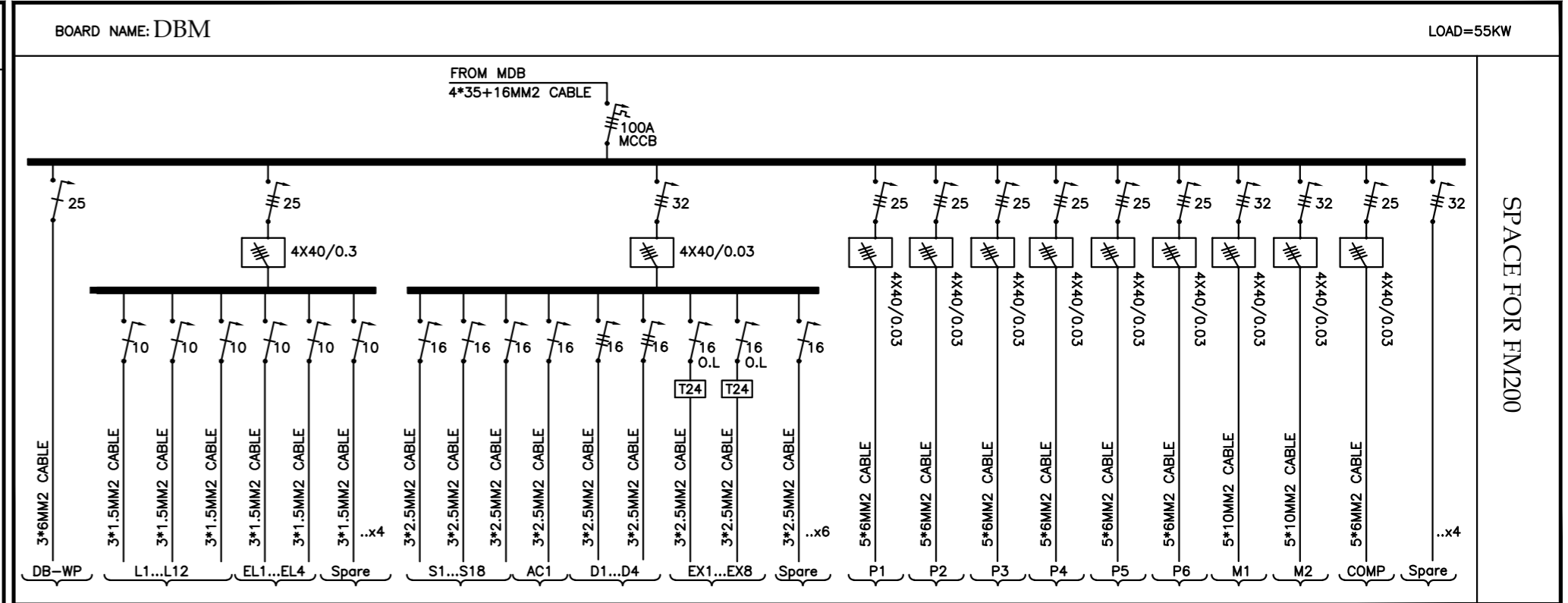
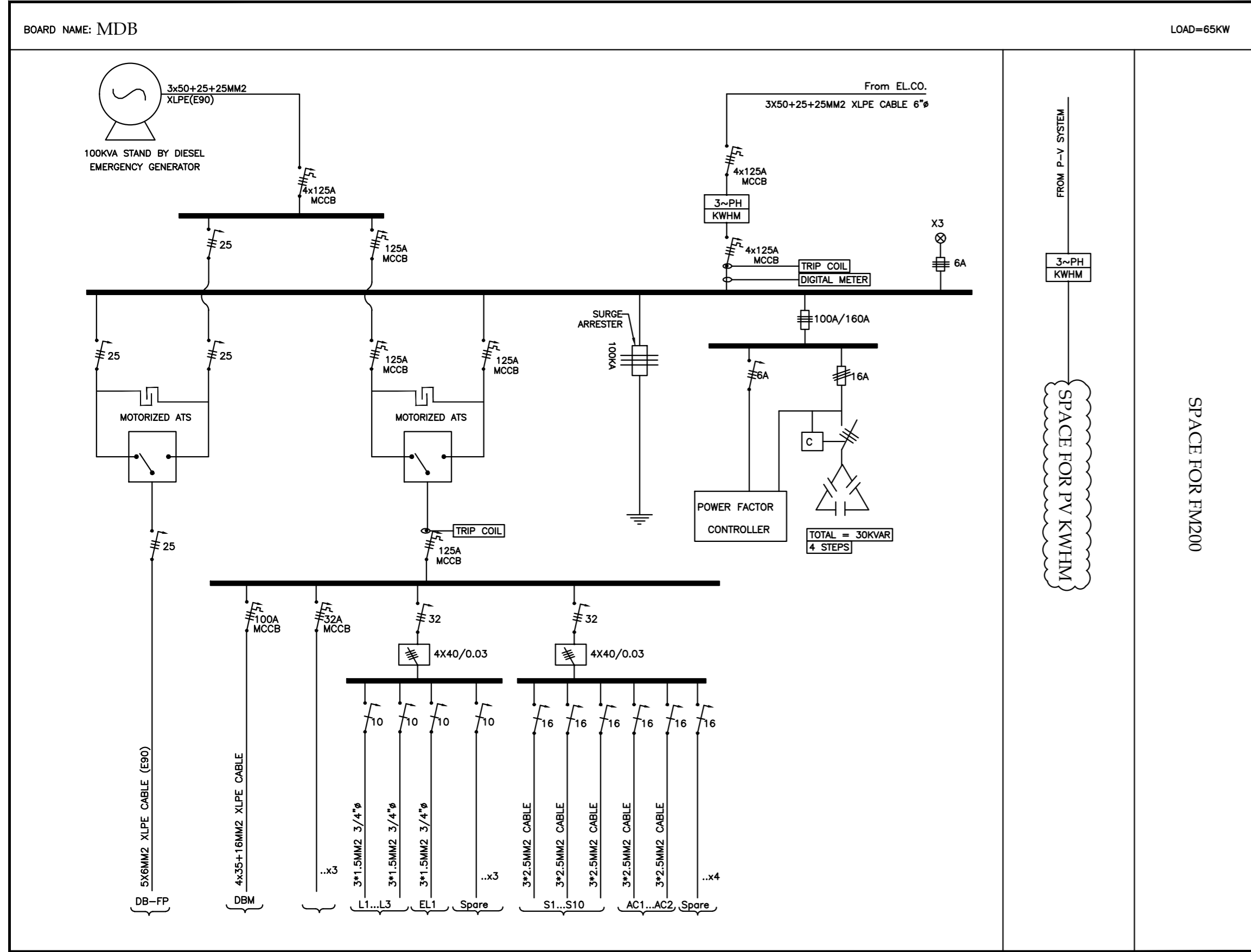
15-09-2025

SCALE:

1:100

DRAWING NO:

E601



NOTES

± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

Legend:

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT:

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:

SPARKLE Engineering Office  
Email:sparkoffice22@gmail.com  
Tel:02-2264082 ,Mob:0598309081

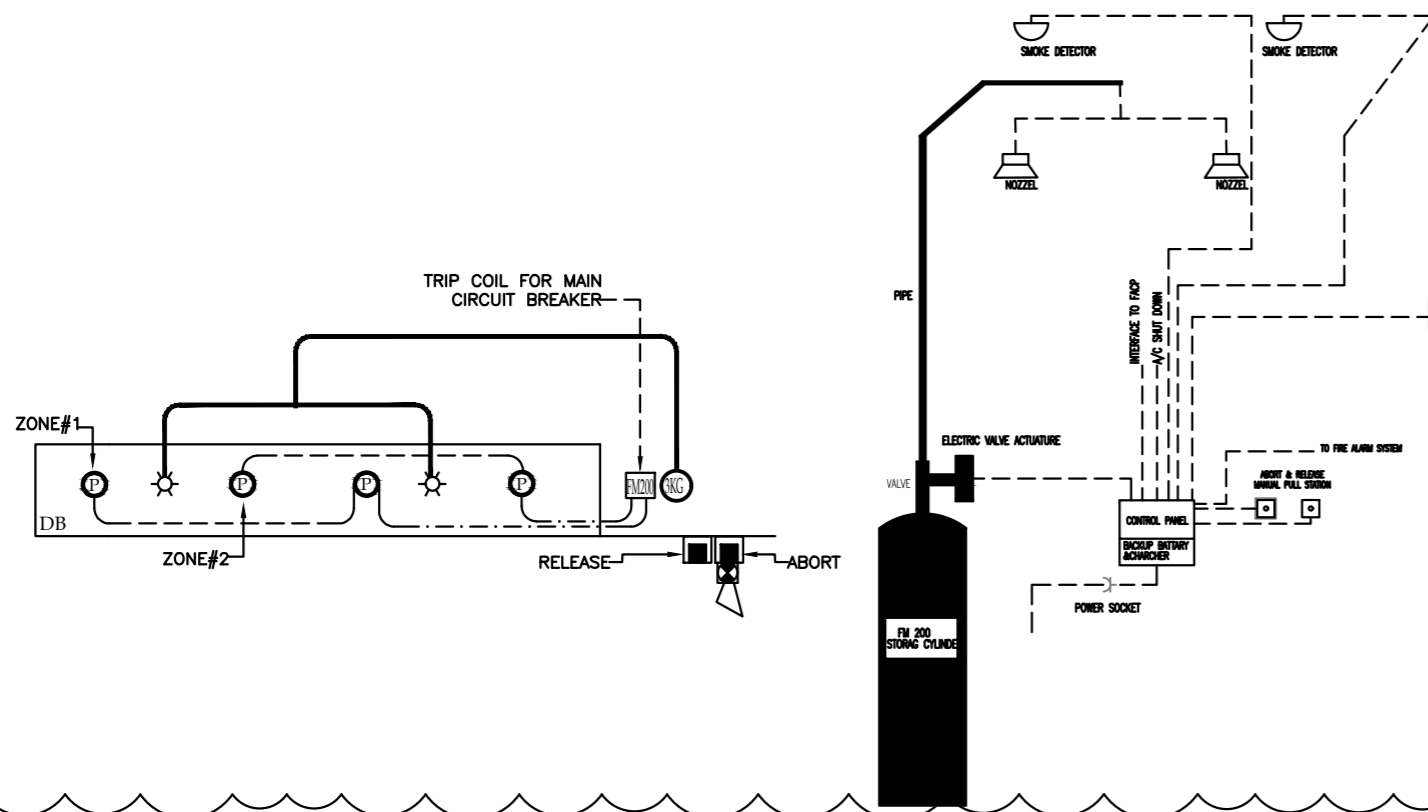
DRAWING TITLE

POWER DIAGRAMS-1

ELEC. ENG : FIRAS DAGHAMIN

DATE: 15-09-2025  
SCALE: 1:100  
DRAWING NO: E701

FM200 DETAILS FOR DB >= 100A



FM 200 FIRE EXTINGUISHER SYSTEM  
HYDRAULIC CALCULATION

$$W = (V/S) \times ((C/(100-C)))$$

WHERE :-

- W = WEIGHT OF CLEAN AGENT (Kg)
- V = NET VOLUME OF HAZARD M3
- S = SPECIFIC VOLUME OF SUPERHEATED AGENT VAPOR AT 1 ATM. AND THE TEMPERATURE T (M3/Kg)
- C = AGENT DESIGN CONCENTRATION (VOLUME PERCENT)
- T = MINIMUM ANTICIPATED TEMPERATURE OF THE PROTECTED VOLUME (C)

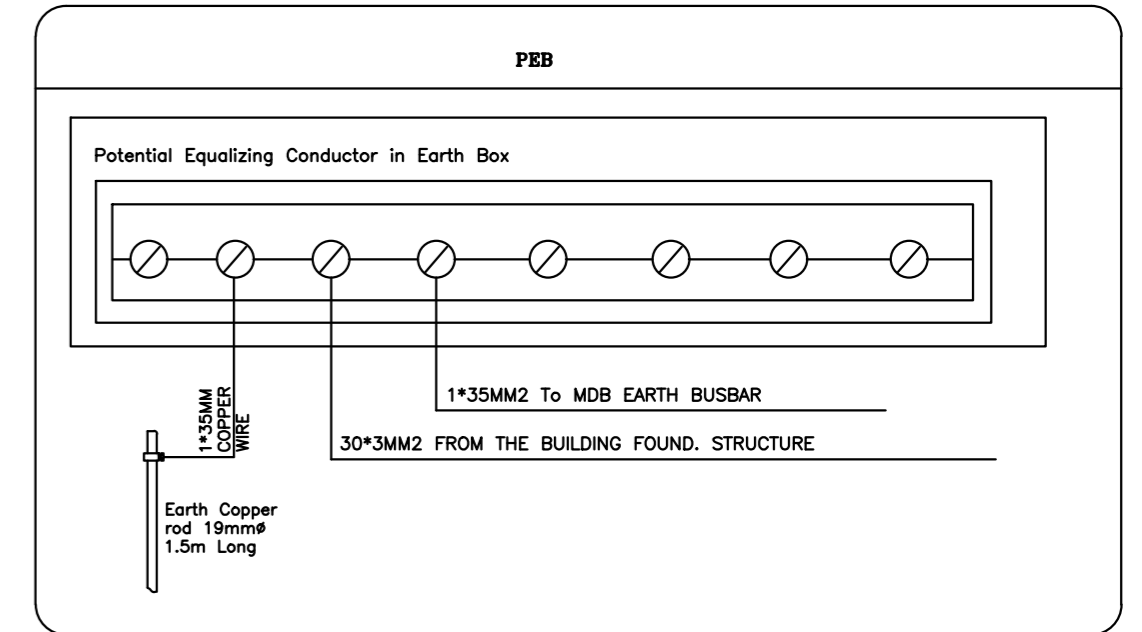
DESIGN DATA

- VOLUME = ..... M3
- DESIGN CONCENTRATION = 7 %
- DESIGN TEMPERATURE = 20 C
- SPECIFIC VOLUME OF THE SUPERHEATED = 0.1376 M3/Kg (NFPA-2001) TABLE A.5.5.1.(k)
- AGENT VAPOR AT DESIGN TEMP AT 1 ATM.

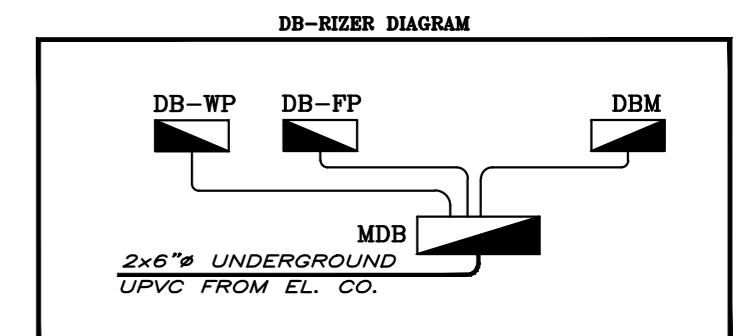
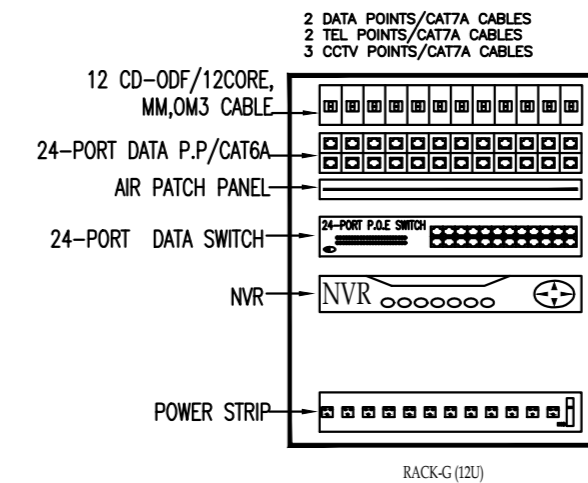
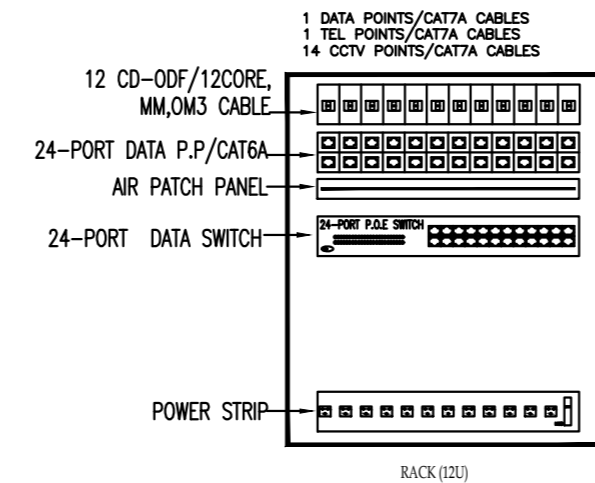
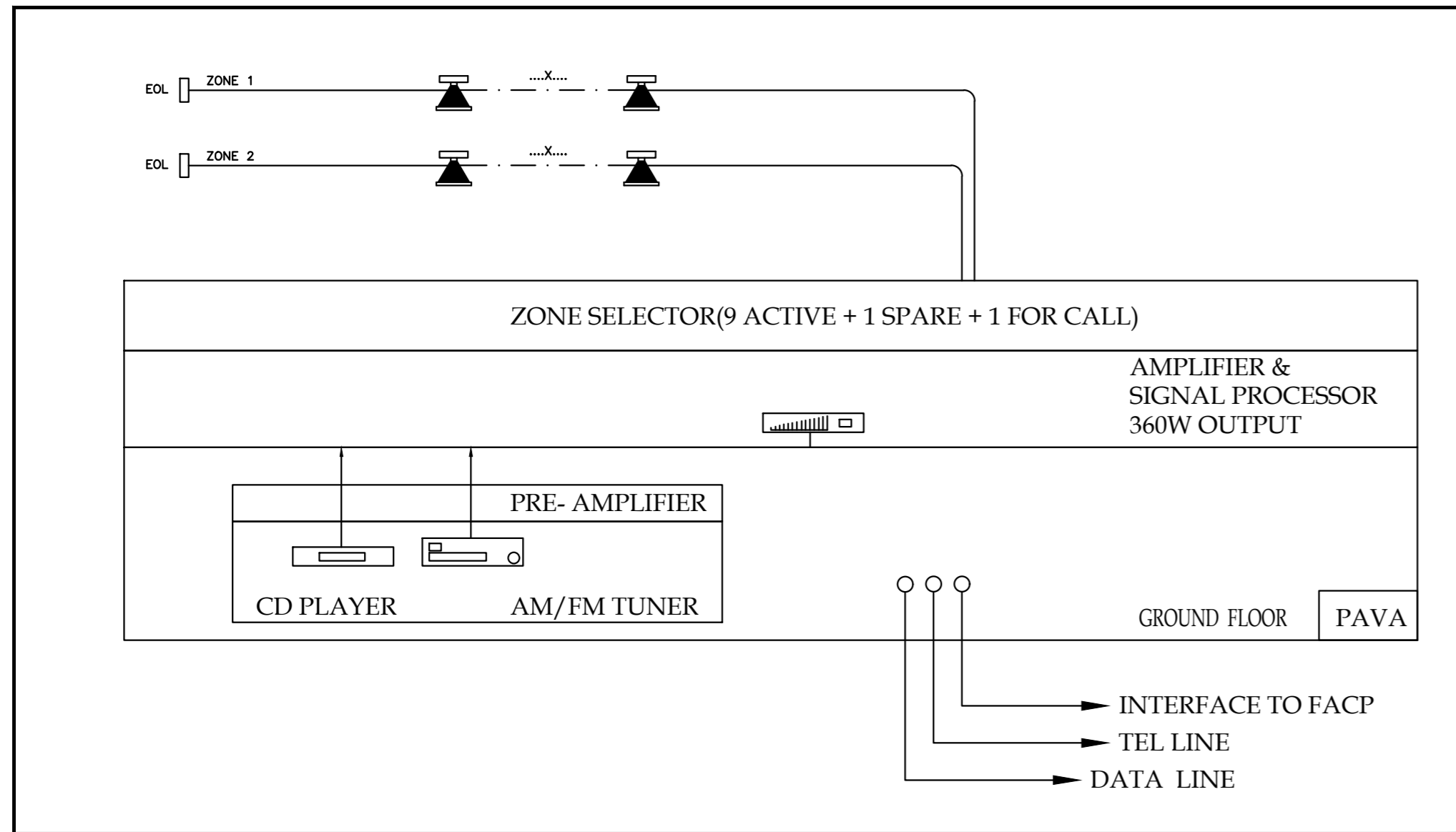
THUS :

BY CONSIDERING THE ACTUAL VOLUME WITH THE FOLLOWING EQU.  
FIND THAT :-

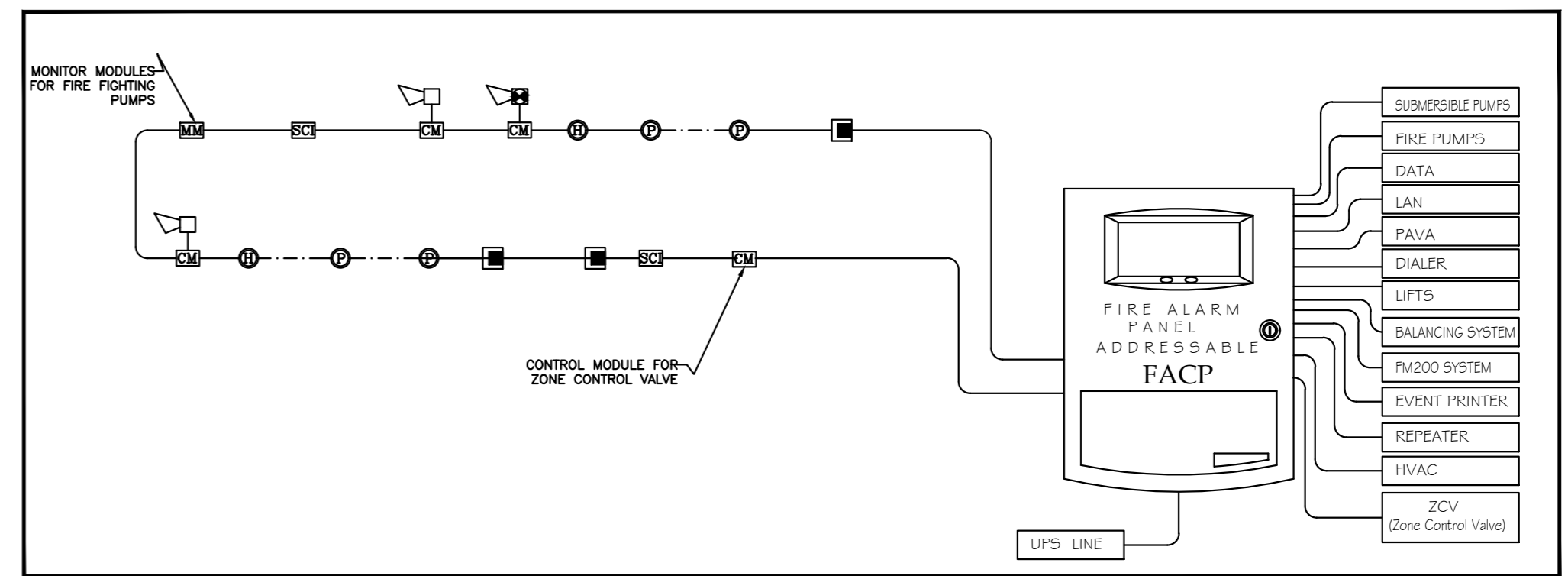
$$W = (V/S) \times (C/(100-C))$$



PAVA SYSTEM RISER DIAGRAM



FIRE ALARM RISER DIAGRAM



NOTES

Legend:

REVISIONS

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:



OWNER:



PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:



SPARKLE Engineering Office  
Email:sparkoffice22@gmail.com  
Tel:02-2264082 ,Mob:0598309081

DRAWING TITLE

POWER DIAGRAMS-2

ELEC. ENG :

FIRAS DAGHAMIN

DATE:

15-09-2025

SCALE:

1:100

DRAWING NO:

E702

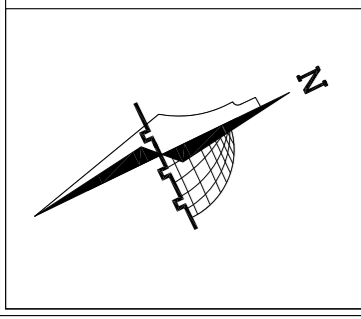
Drainage Legend:-	
-----	Drainage Pipe - $\phi 2''$
-----	Drainage Pipe -Under Tiles $\phi 4''$
-----	Drainage Pipe -Suspended To Ceiling- $\phi 4''$
-----	Drainage Pipe - $\phi 6''$
○	Vertical Drainage Pipe
⊗	Floor Drain
⊗	Floor Trap
⊗	Floor Clean Out
□	Suspended Clean Out
○→	Rain Water - Free Discharge
⊗	Roof Drain Plate
⊗	Manhole
⊗	Stainless Steel Trench
⊗	Submersible Pump
S.M.H	Sewage Manhole
R.W.M.	Rain Water Manhole
R.W.P.	Rain Water Pipe
R.D.P.	Roof Drain Plate
F.Dis.	Free Discharge
V.D.P	Vent Up Drainage Down Pipe
STC	Suspended To Ceiling
V.P	Vent Up Pipe
FD	Floor Drain
FT	Floor Trap
CO	Clean Out
UT	Under Tiles
UG	Under Ground
D/D	Drop Down
U.P.V.C.	Unplasticised PolyVinyle Chloride

Gas Legend:	
Gas	Gas Pipe
H×H	Shut Off Valve
TTTT	Gas Collector
STC	Suspended To Ceiling
U/T	Under Tiles
U/G	Under Ground

Water Legend:	
-----	Domestic Cold Water Pipe - Supply
-----	Domestic Hot Water Pipe - Supply
-----	Irrigation Pipe
-----	Main City Water Pipe
-----	Pex Pipe - Domestic Cold Water Supply
-----	Pex Pipe - Domestic Hot Water Supply
○	Vertical Pipe
TTTT	Hot & Cold Water Collector
⊗	Pump
H×H	Isolating Valve
H×H	Non Return Valve
⊗	Pressure Gage
⊗	Water Tap
DCWS	Domestic Cold Water Supply
DHWS	Domestic Hot Water Supply
WC-##	Water Collector
P.I.G	Prefabricated Insulated Galvanized
XLPE	Pex Pipe
STC	Suspended To Ceiling
U/T	Under Tiles
O/U	Offset Up
D/D	Drop Down
A/G	Above Ground
P.T	Pressure Tank
FV	Float Valve
EV	Electric Valve
G	Galvanized - Scheduling 40.

Fire Fighting System Legend:	
-----	Fire Fighting Pipe - Supply
F.F.C.	Fire Fighting Cabinet
⊗	Pump
H×H	Shut off Valve
H×H	Non Return Valve
TTTT	Flexible Connection
STC	Suspended To Ceiling
F.F.C.	Fire Fighting Cabinet
P.T	Pressure Tank
U/T	Under Tiles
O/U	Offset Up
D/D	Drop Down
FP	Fire Fighting Pipe
G	Galvanized - Scheduling 40

Ventilation Legend:	
⊗	Wall/Window Mounted Extract Fan
⊗	In Line Extract Fan
○	Circular Exhaust Diffuser
⊗	Wall Mounted Exhaust Grill
EF	Extract Fan
ED	Extract Diffuser
EG	Extract Grill
SW	Side Wall



**NOTES**  
 (1) ALL DIMENSIONS ARE IN CM.  
 (2) ALL LEVELS ARE IN METER  
 (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.  
 (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.  
 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL  $\pm 0.00$ .  
**ZERO LEVEL:**  
 $\pm 0.00 = R.C.L. = 767.20$  FROM SEA LEVEL

Legend:	
⊗	DOOR NUMBER REFERENCE DETAIL SHEET NUMBER
⊗	RC CONCRETE FOR CEILING
⊗	RC CONCRETE FOR WALL
⊗	CONCRETE
⊗	STONE WALL
⊗	HOLLOW BLOCKS
⊗	CERAMIC TILE
⊗	TERRAZZO TILE
⊗	LOCAL MARBLE
⊗	Marble
⊗	Window Number REFERENCE DETAIL SHEET NUMBER
⊗	FLOOR FINISH LEVEL (F.F.L.)
⊗	REINFORCEMENT CONCRETE LEVEL (R.C.L.)
⊗	LEVEL, SHOWN IN PLAN
⊗	WINDOW NUMBER REFERENCE DETAIL SHEET NUMBER
⊗	RC CONCRETE FOR CEILING
⊗	RC CONCRETE FOR WALL
⊗	CONCRETE
⊗	STONE WALL
⊗	HOLLOW BLOCKS
⊗	CERAMIC TILE
⊗	TERRAZZO TILE
⊗	LOCAL MARBLE
⊗	Marble
⊗	Window Number REFERENCE DETAIL SHEET NUMBER
⊗	FLOOR FINISH LEVEL (F.F.L.)
⊗	REINFORCEMENT CONCRETE LEVEL (R.C.L.)
⊗	LEVEL, SHOWN IN PLAN
⊗	WINDOW NUMBER REFERENCE DETAIL SHEET NUMBER
⊗	F.F.L. FLOOR LEVEL
⊗	S.L. SEA LEVEL

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

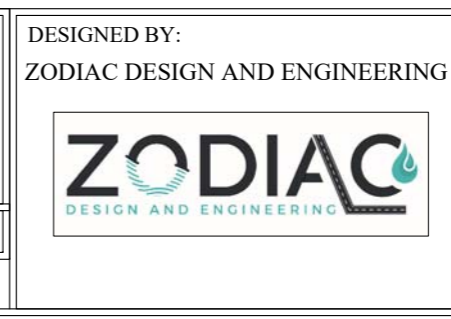


**FUNDED BY:**  
Enabel

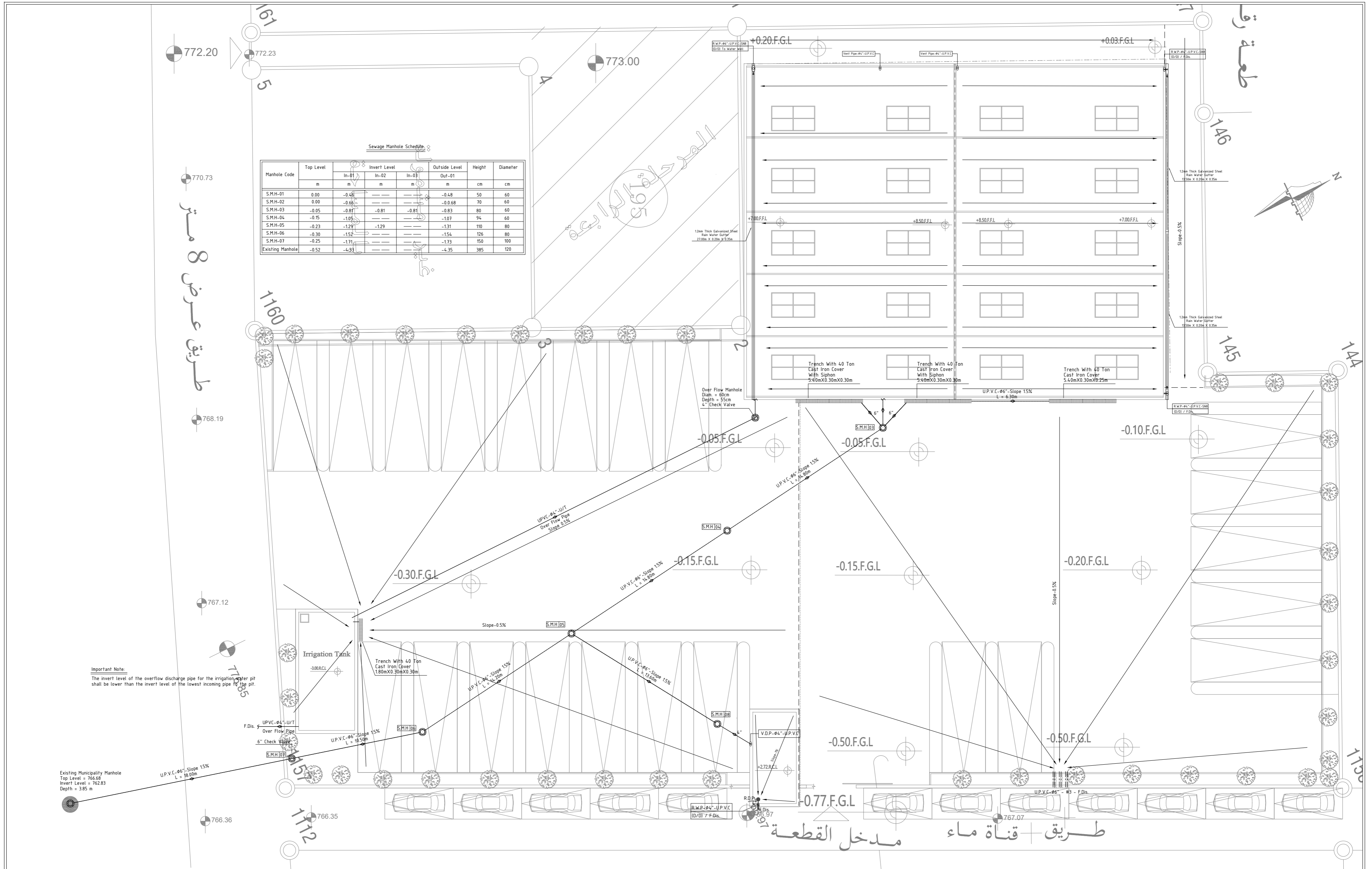
**OWNER:**  
الجمعية العامة لبلدية حبرون  
Hebron Municipality

**PROJECT :**  
Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :



DRAWING TITLE		MECHANICAL LEGEND		DATE:
				OCTOBER 2025
DESIGNED BY :		ENG. HAMZAH KATTOUSH		SCALE:
APPROVED BY :		ENG. HAMZAH KATTOUSH		N.T.S.
				DRAWING NO:
				M-00



**Important Note:**  
The invert level of the overflow discharge pipe for the irrigation water pit shall be lower than the invert level of the lowest incoming pipe for the pit.

**NOTES**

- ALL DIMENSIONS ARE IN CM.
- ALL LEVELS ARE IN METER
- ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
- ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL (-) 2CM LESS THAN CORRIDORS.
- LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.

ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SEWER MANHOLE		RC CONCRETE FOR COLUMNS
	REFERENCE SEWER MANHOLE		RC CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		HOLLOW BLOCKS
	LEVEL SEEN IN PLAN		CEMENT TILES
	WINDOW MANHOLE		TERRAZZO TILES
	REFERENCE SEWER MANHOLE		LOCAL MARBLE
			SAND
			Water Outlet
			R.C.L. REIN. CONCRETE LEVEL
			F.F.L. FINISH FLOOR LEVEL
			S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT:  
Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:  
ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE: SITE PLAN DRAINAGE SYSTEM

DESIGNED BY: ENG. HAMZAH KATTOUSH

APPROVED BY: ENG. HAMZAH KATTOUSH

DATE: OCTOBER 2025

SCALE: 1/200

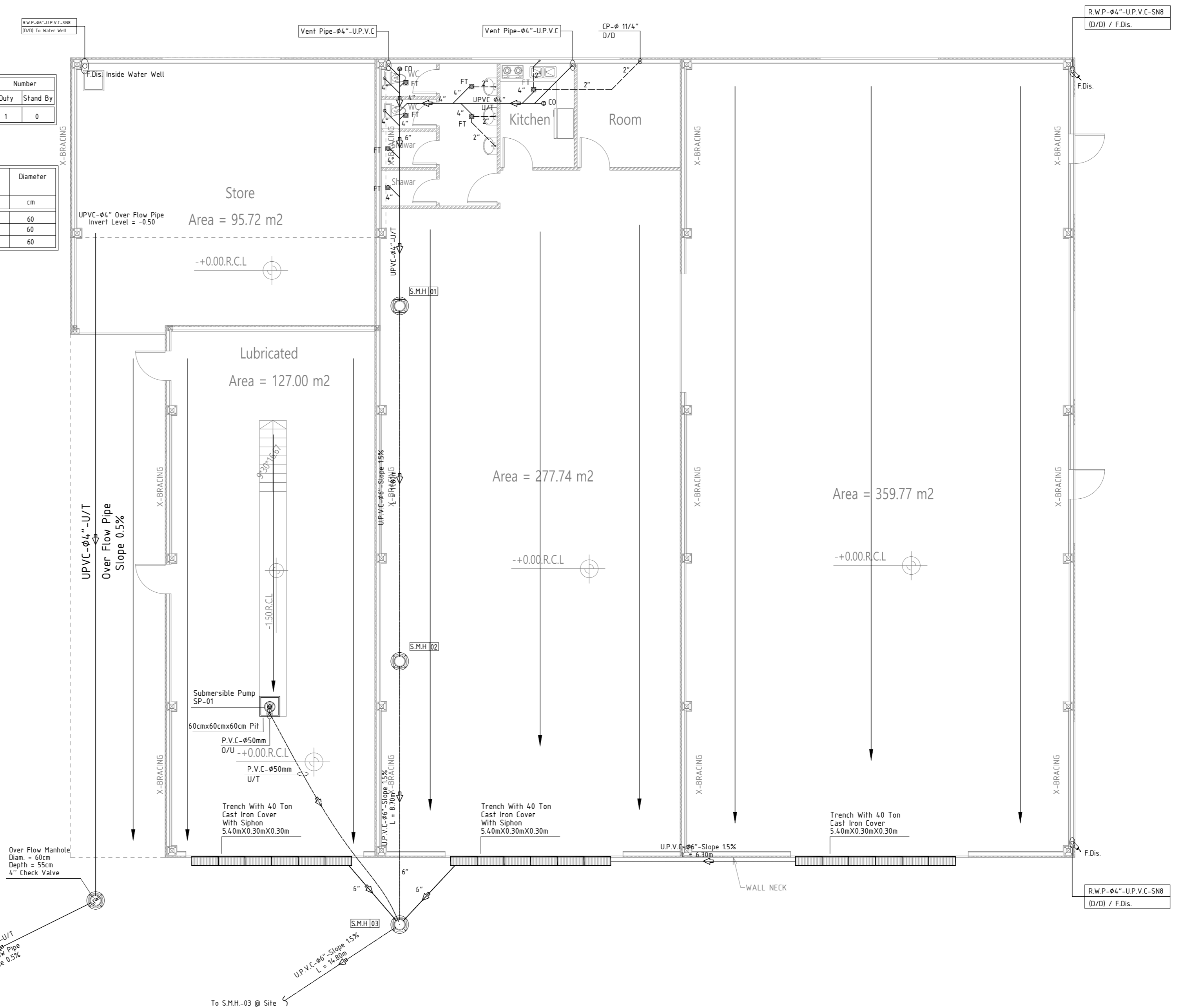
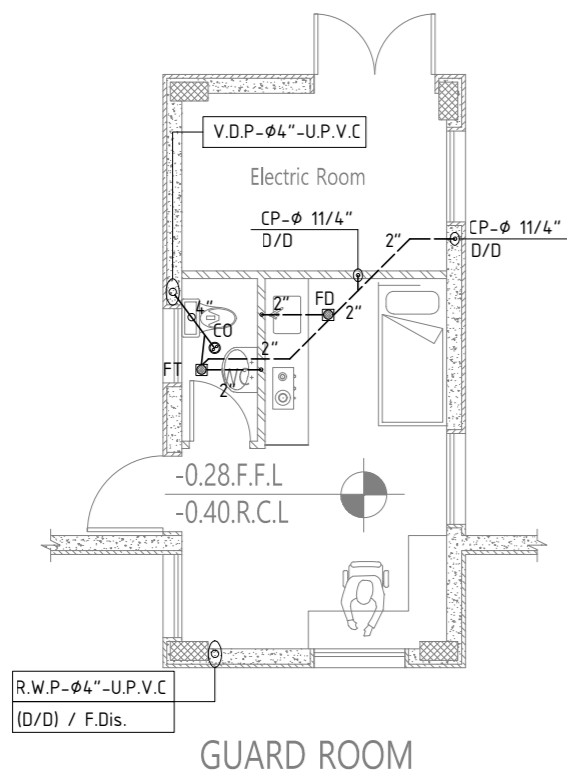
DRAWING NO: M-01

**Pump Schedule**

Pump Code	Flow Rate (L/s)	Head (m)	Electrical Data	Number	
				Duty	Stand By
SP-01	1.5	10	1Phase-240Volt-50HZ-1.1KW-15HP,6.7A	1	0

**Sewage Manhole Schedule**

Manhole Code	Top Level (m)	Invert Level (m)			Outside Level (m)	Height (cm)	Diameter (cm)
		In-01	In-02	In-03			
S.M.H-01	0.00	-0.46	---	---	-0.48	50	60
S.M.H-02	0.00	-0.66	---	---	-0.68	70	60
S.M.H-03	-0.05	-0.81	-0.81	-0.81	-0.83	80	60



**NOTES**

- (1) ALL DIMENSIONS ARE IN CM.
- (2) ALL LEVELS ARE IN METER
- (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
- (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL (-) 2CM LESS THAN CORRIDORS.
- (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.

**ZERO LEVEL:**  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		ROOM NUMBER
	REFERENCE SHEET NUMBER		RC CONCRETE FOR COLUMNS
	FLOOR FINISH LEVEL (F.F.L.)		RC CONCRETE FOR WALLS
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		CONCRETE
	AXIS MARK IN PLAN		STONE WALL
	WINDOW NUMBER		HOLLOW BLOCKS
	REFERENCE DETAIL SHEET NUMBER		CEMENT TILE
			TERRAZZO TILE
			LOCAL MARBLE
			BRICKWORK
			Water Cover
			R.C.L. REIN. CONCRETE LEVEL
			F.F.L. FINISH FLOOR LEVEL
			S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

**FUNDED BY:**  
Enabel

**OWNER:**  
الجمعية العامة لمدينة حبرون  
Hebron Municipality

**PROJECT:**  
Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

**TENDER NO.:**

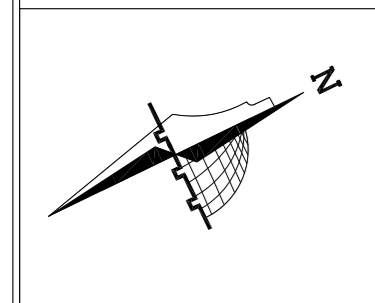
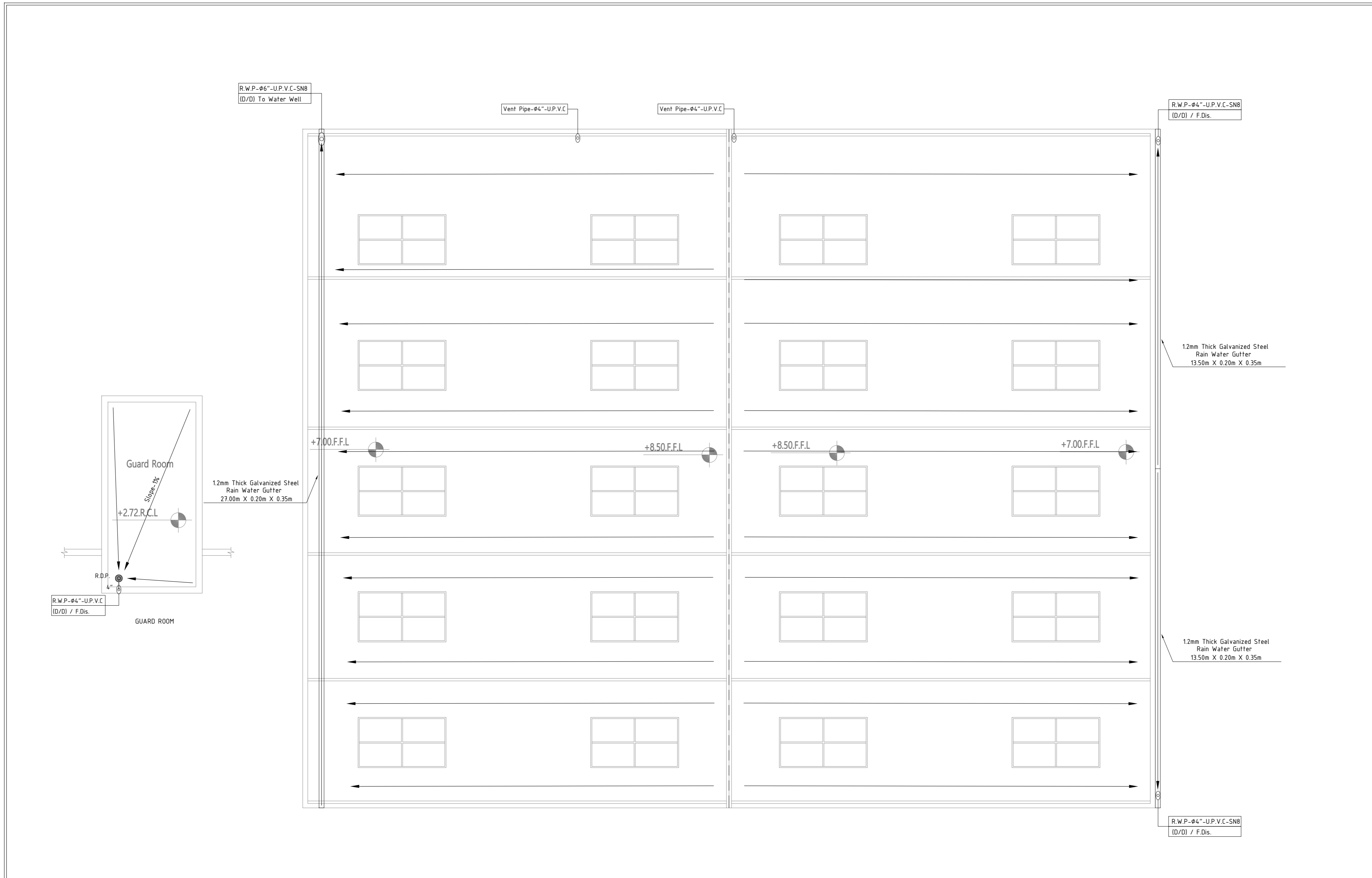
**DESIGNED BY:**  
ZODIAC DESIGN AND ENGINEERING

**ZODIAC**  
DESIGN AND ENGINEERING

**DRAWING TITLE:**  
WAREHOUSE BUILDING GROUND FLOOR PLAN DRAINAGE SYSTEM

**DESIGNED BY:** ENG. HAMZAH KATTOUSH  
**APPROVED BY:** ENG. HAMZAH KATTOUSH

**DATE:** OCTOBER 2025  
**SCALE:** 1/100  
**DRAWING NO.:** M-02



**NOTES**

- (1) ALL DIMENSIONS ARE IN CM.
- (2) ALL LEVELS ARE IN METER
- (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
- (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL (-) 2CM LESS THAN CORRIDORS.
- (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.

**ZERO LEVEL:**  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		REFERENCE DETAIL SHEET NUMBER
	FLOOR FINISH LEVEL (F.F.L.)		REINFORCEMENT CONCRETE LEVEL (R.C.L.)
	LEVEL SHOWN IN PLAN		WINDOW NUMBER
	DOOR NUMBER		REFERENCE DETAIL SHEET NUMBER
	RC CONCRETE FOR COLUMNS		RC CONCRETE FOR WALLS
	CONCRETE		STONE WALL
	HOLLOW BLOCKS		CEMENT TILE
	TERRAZZO TILE		LOCAL MARBLE
	SAND		S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	WAREHOUSE BUILDING ROOF PLAN DRAINAGE SYSTEM	DATE:	OCTOBER 2025
DESIGNED BY :	ENG. HAMZAH KATTOUSH	SCALE:	1/100
APPROVED BY :	ENG. HAMZAH KATTOUSH	DRAWING NO.:	M-03

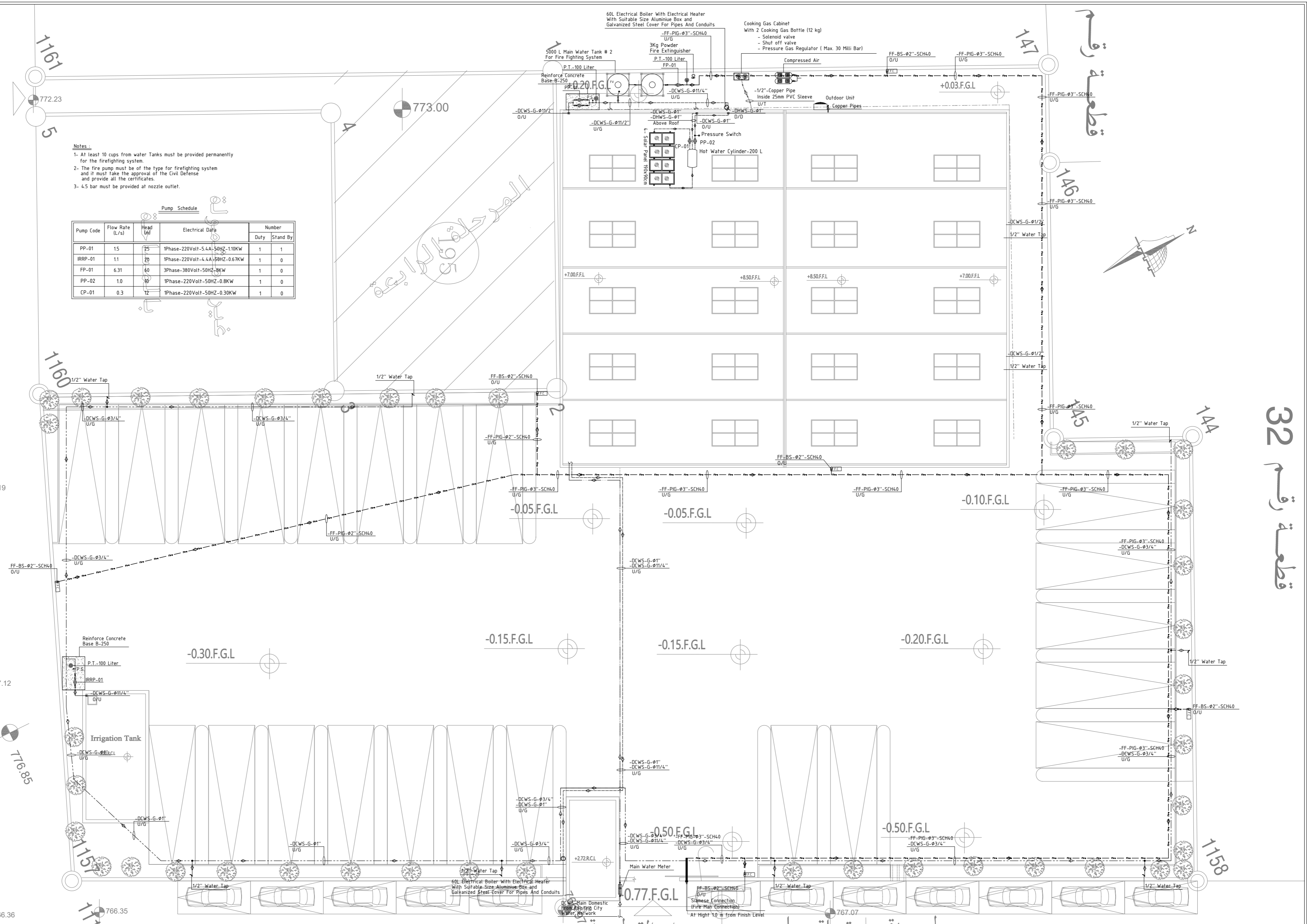
طريق عرض 8 متر

Notes:

- At least 10 cups from water Tanks must be provided permanently for the firefighting system.
- The fire pump must be of the type for firefighting system and it must take the approval of the Civil Defense and provide all the certificates.
- 4.5 bar must be provided at nozzle outlet.

Pump Schedule

Pump Code	Flow Rate (L/s)	Head (m)	Electrical Data	Number Duty	Stand By
PP-01	15	25	1Phase-220Volt-5.4A-50HZ-1.10KW	1	1
IRRP-01	1.1	20	1Phase-220Volt-4.4A-50HZ-0.67KW	1	0
FP-01	6.31	60	3Phase-380Volt-50HZ-8KW	1	0
PP-02	1.0	10	1Phase-220Volt-50HZ-0.8KW	1	0
CP-01	0.3	12	1Phase-220Volt-50HZ-0.30KW	1	0



**NOTES**

- ALL DIMENSIONS ARE IN CM.
- ALL LEVELS ARE IN METER
- ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
- ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL (-) 2CM LESS THAN CORRIDORS.
- LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.

ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE DETAIL SHEET NUMBER		AC CONCRETE FOR COLUMNS
	FLOOR FINISH LEVEL (F.F.L.)		AC CONCRETE FOR WALLS
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		CONCRETE
	LEVEL SHOWN IN PLAN		STONE WALL
	WINDOW NUMBER		BELLOW BLOCKS
	REFERENCE DETAIL SHEET NUMBER		CERAMIC TILES
			TERRAZZO TILES
			LOCAL MARBLE
			SANDWICH
			Water Cover
			R.C.L. REIN CONCRETE LEVEL
			F.F.L. FLOOR LEVEL
			S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT:

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO.:

DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	SITE PLAN WATER, VENTILATION, GAS, AC, COMPRESSED AIR & F.F SYSTEMS	DATE: OCTOBER 2025
DESIGNED BY:	ENG. HAMZAH KATTOUSH	SCALE: 1/100
APPROVED BY:	ENG. HAMZAH KATTOUSH	DRAWING NO: M-04

**Notes :**

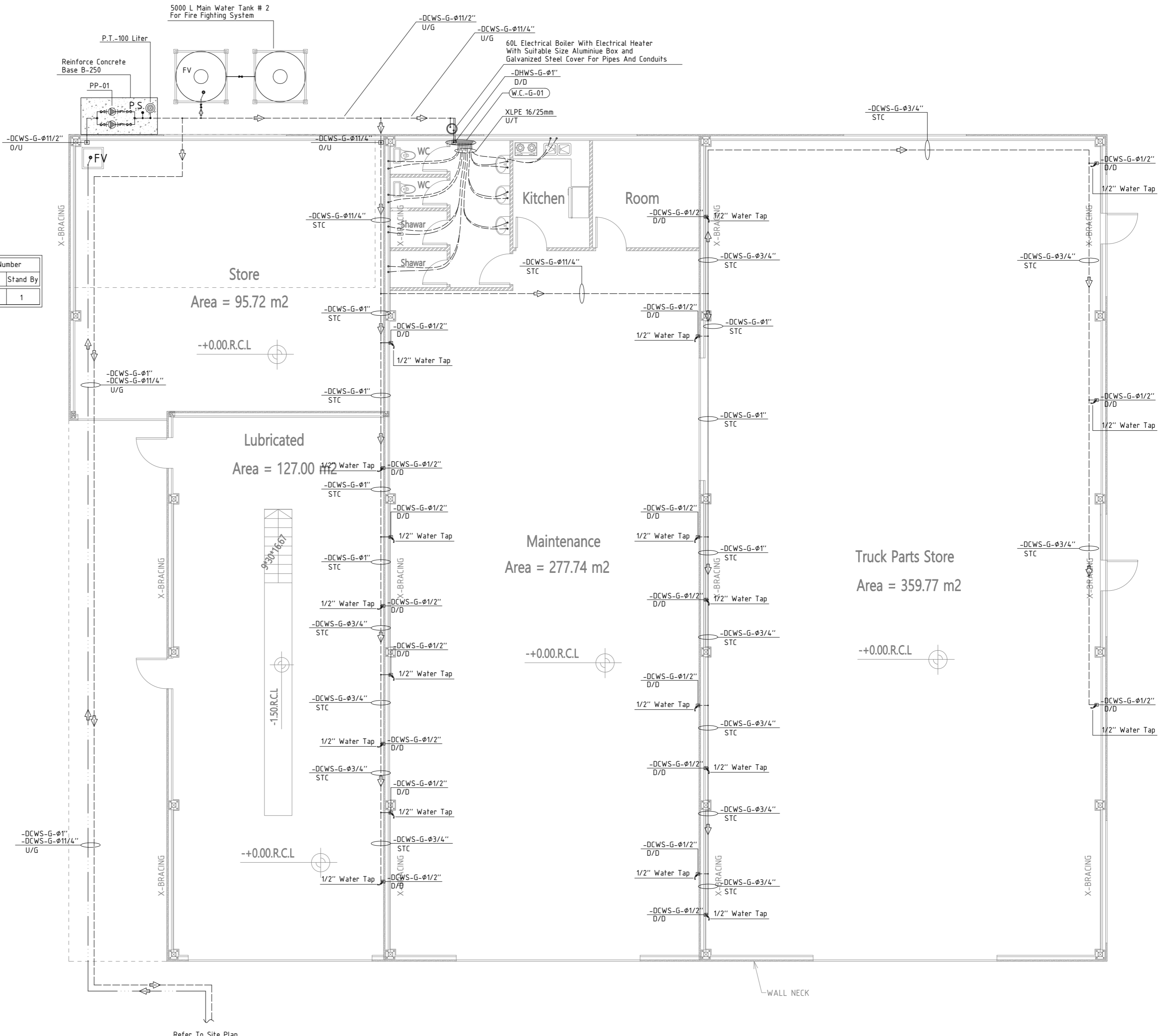
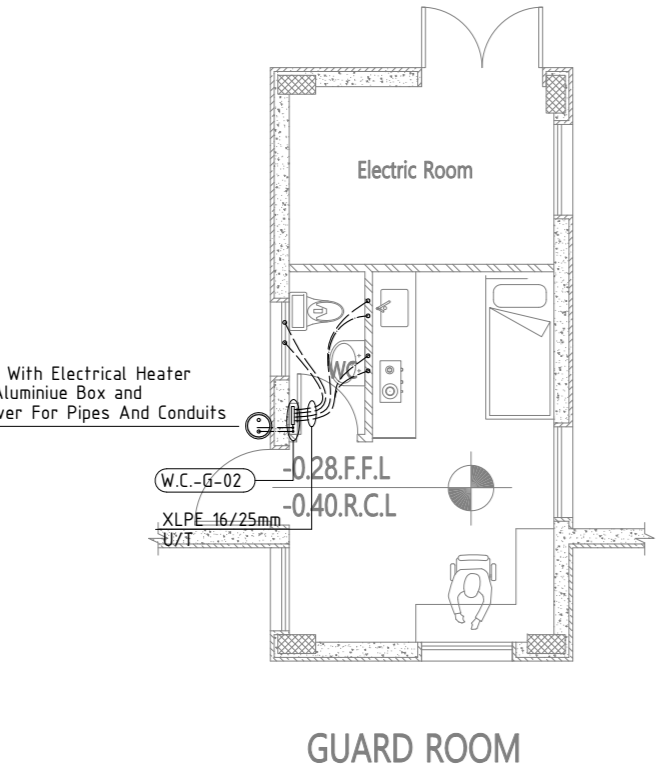
- 1- At least 10 cups from water well must be provided permanently for the firefighting system.

**Pump Schedule**

Pump Code	Flow Rate (L/s)	Head (m)	Electrical Data	Number	
				Duty	Stand By
PP-01	1.5	25	1Phase-220Volt-5.4A-50HZ-1.10KW	1	1

**Hot & Cold Water Collectors - Schedule**

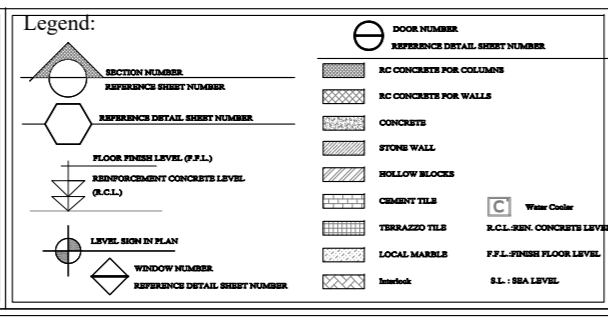
Collector Name	Cold		Hot	
	Size	Opening	Size	Opening
W.C.-G-01	1 1/4"	10	1"	6
W.C.-G-02	3/4"	4	3/4"	2



**NOTES**

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- (2) ALL LEVELS ARE IN METER
- (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
- (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL (-) 2CM LESS THAN CORRIDORS.
- (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.

ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL



**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
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FUNDED BY:

OWNER:

PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

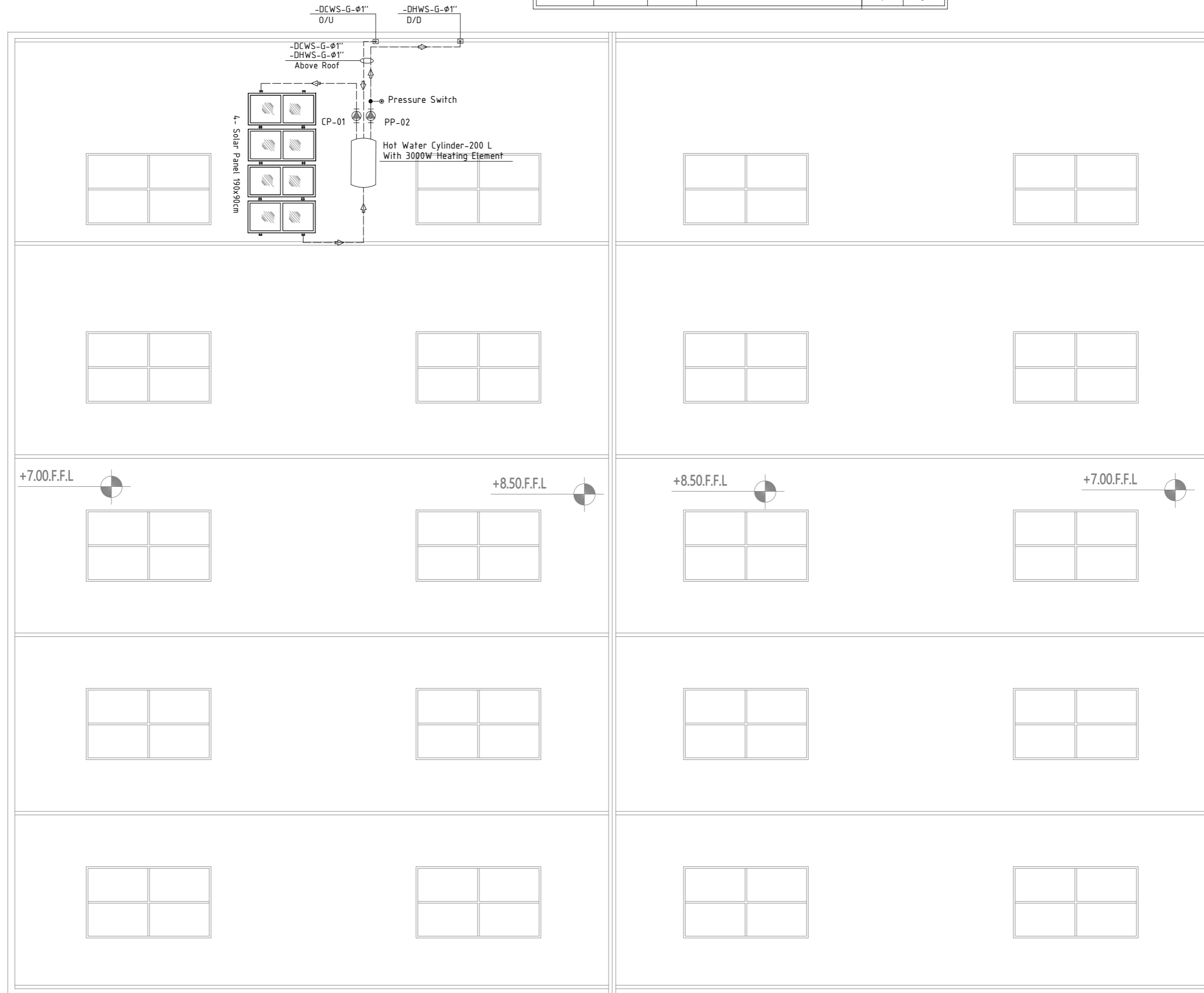
DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	WAREHOUSE BUILDING GROUND FLOOR PLAN WATER SYSTEM	DATE: OCTOBER 2025
DESIGNED BY :	ENG. HAMZAH KATTOUSH	SCALE: 1/100
APPROVED BY :	ENG. HAMZAH KATTOUSH	DRAWING NO: M-05

Pump Schedule

Pump Code	Flow Rate (L/s)	Head (m)	Electrical Data	Number	
				Duty	Stand By
PP-02	1.0	10	1Phase-220Volt-50HZ-1.10KW	1	0
CP-01	0.3	12	1Phase-220Volt-50HZ-0.30KW	1	0



NOTES

- (1) ALL DIMENSIONS ARE IN CM.
  - (2) ALL LEVELS ARE IN METER
  - (3) ANY MISSING OR UNCLEAR DETAIL AND ALL FASTENING SYSTEMS FOR ALL ELEMENTS SHALL BE APPROVED BY THE SUPERVISOR.
  - (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.
  - (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.
- ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

Legend:

DOOR NUMBER REFERENCE DETAIL SHEET NUMBER	RC CONCRETE FOR CEILING	RC CONCRETE FOR WALL	CONCRETE	STONE WALL	HOLLOW BLOCKS	CEMENT TILE	TERRAZZO TILE	LOCAL MARBLE	S.L. SEA LEVEL
FLOOR FINISH LEVEL (F.F.L.)	REINFORCEMENT CONCRETE LEVEL (R.C.L.)	LEVEL IN PLAN	WINDOW NUMBER REFERENCE DETAIL SHEET NUMBER	Wall Center	R.C.L. REIN. CONCRETE LEVEL	F.F.L. FINISH FLOOR LEVEL			

REVISIONS

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:



OWNER:



PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING



DRAWING TITLE

WAREHOUSE BUILDING  
ROOF PLAN  
WATER SYSTEM

DESIGNED BY :

ENG. HAMZAH KATTOUSH

APPROVED BY :

ENG. HAMZAH KATTOUSH

DATE:

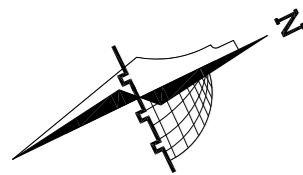
OCTOBER 2025

SCALE:

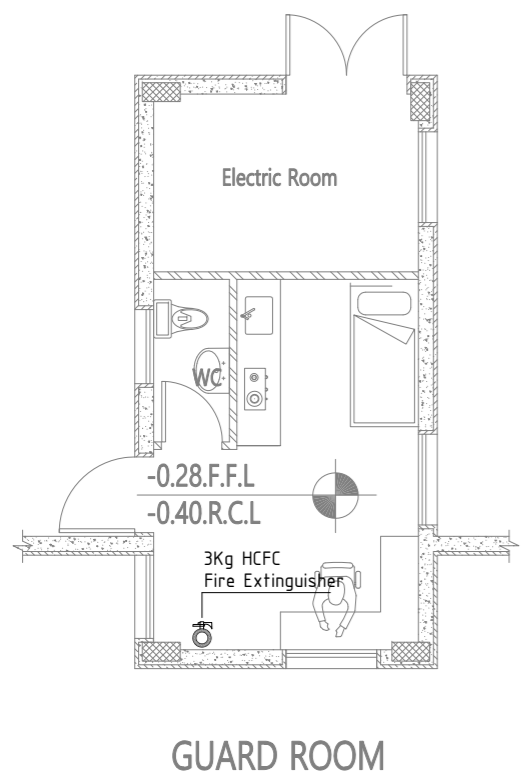
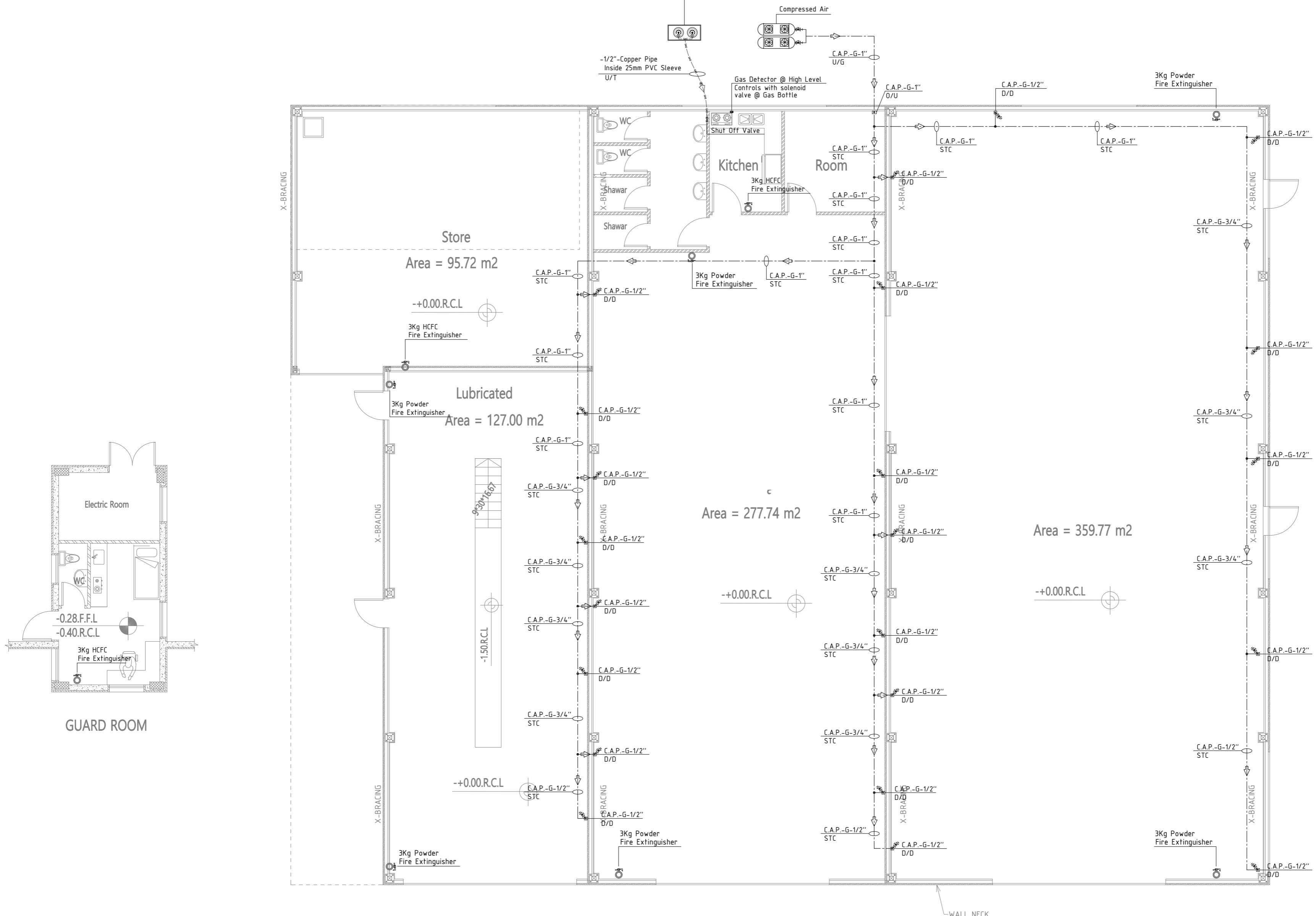
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DRAWING NO.:

M-06



Cooking Gas Cabinet  
 With 2 Cooking Gas Bottle (12 kg)  
 - Solenoid valve  
 - Shut off valve  
 - Pressure Gas Regulator ( Max. 30 Milli Bar)



GUARD ROOM

**NOTES**

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- (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.

ZERO LEVEL:  
± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL (F.F.L.)		REINFORCEMENT CONCRETE LEVEL (R.C.L.)
	LEVEL SHOWN IN PLAN		WINDOW NUMBER
	DOOR NUMBER		DOOR SCHEDULE NUMBER
	AC CONCRETE FOR CEILING		AC CONCRETE FOR WALL
	CONCRETE		STONE WALL
	HOLLOW BLOCKS		CERAMIC TILE
	TERRAZZO TILE		LOCAL MARBLE
	Sandwich		Wall Cover
	R.C.L. REIN. CONCRETE LEVEL		F.F.L. FLOOR LEVEL
	S.L. SEA LEVEL		

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
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FUNDED BY:

OWNER:

PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

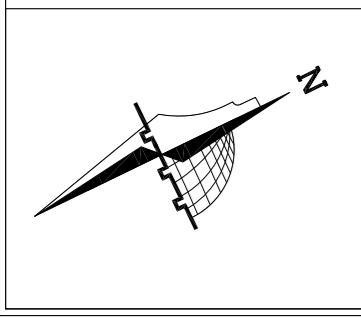
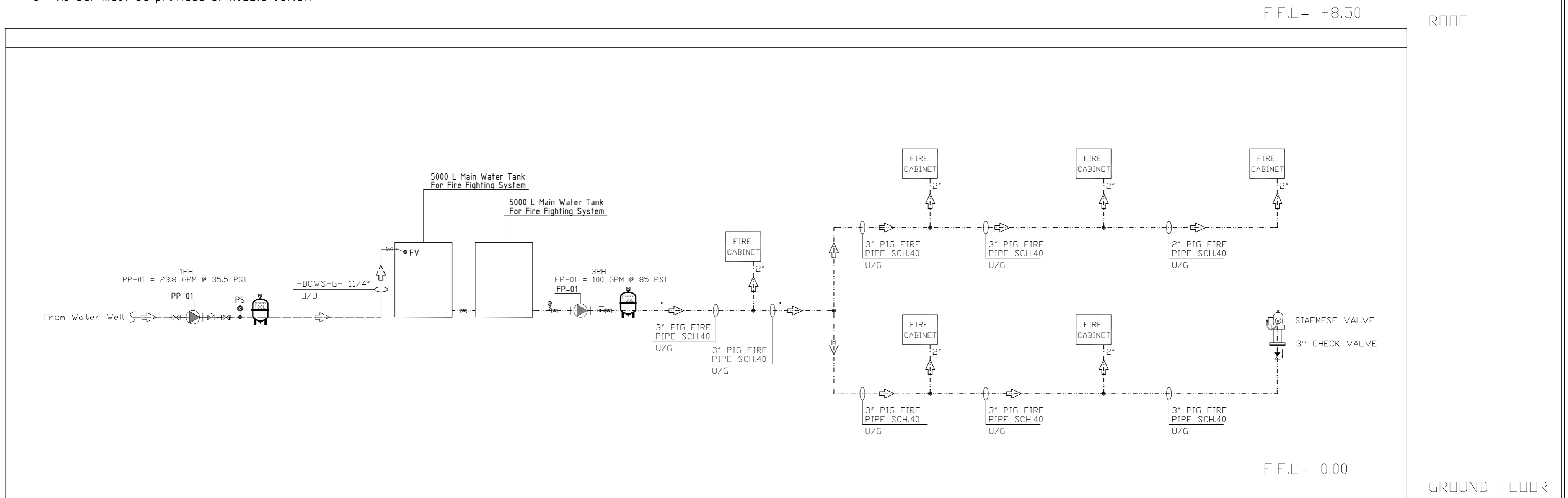
DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	WAREHOUSE BUILDING GROUND FLOOR PLAN GAS, COMPRESSED AIR & F.F SYSTEMS	DATE: OCTOBER 2025
DESIGNED BY :	ENG. HAMZAH KATTOUSH	SCALE: 1/100
APPROVED BY :	ENG. HAMZAH KATTOUSH	DRAWING NO: M-07

**Notes :**

- 1- At least 10 cups from water tanks must be provided permanently for the firefighting system.
- 2- The fire pump must be of the type for firefighting system and it must take the approval of the Civil Defense and provide all the certificates.
- 3- 4.5 bar must be provided at nozzle outlet.



**NOTES**  
 (1) ALL DIMENSIONS ARE IN CM.  
 (2) ALL LEVELS ARE IN METER  
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 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE DETAIL SHEET NUMBER		AC CONCRETE FOR COLUMNS
	FLOOR FINISH LEVEL (F.F.L.)		AC CONCRETE FOR WALLS
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		CONCRETE
	LEVEL SHOWN IN PLAN		STONE WALL
	WINDOW NUMBER		HOLLOW BLOCKS
	REFERENCE DETAIL SHEET NUMBER		CEMENT TILE
			TERRAZZO TILE
			LOCAL MARBLE
			SAND
			S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

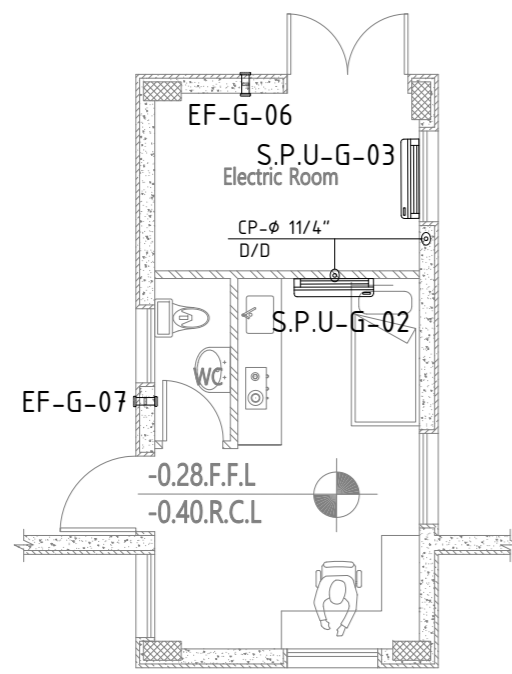
DRAWING TITLE	FIRE FIGHTING SYSTEM SCHEMATIC DIAGRAM	DATE: OCTOBER 2025
DESIGNED BY :	ENG. HAMZAH KATTOUSH	SCALE: N.T.S.
APPROVED BY :	ENG. HAMZAH KATTOUSH	DRAWING NO: M-08

SPLIT UNIT SCHEDULE- FOR GUARD ROOMS

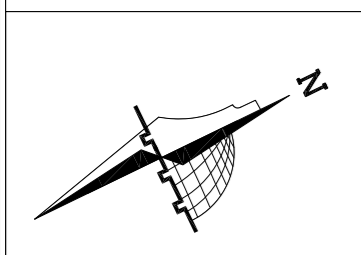
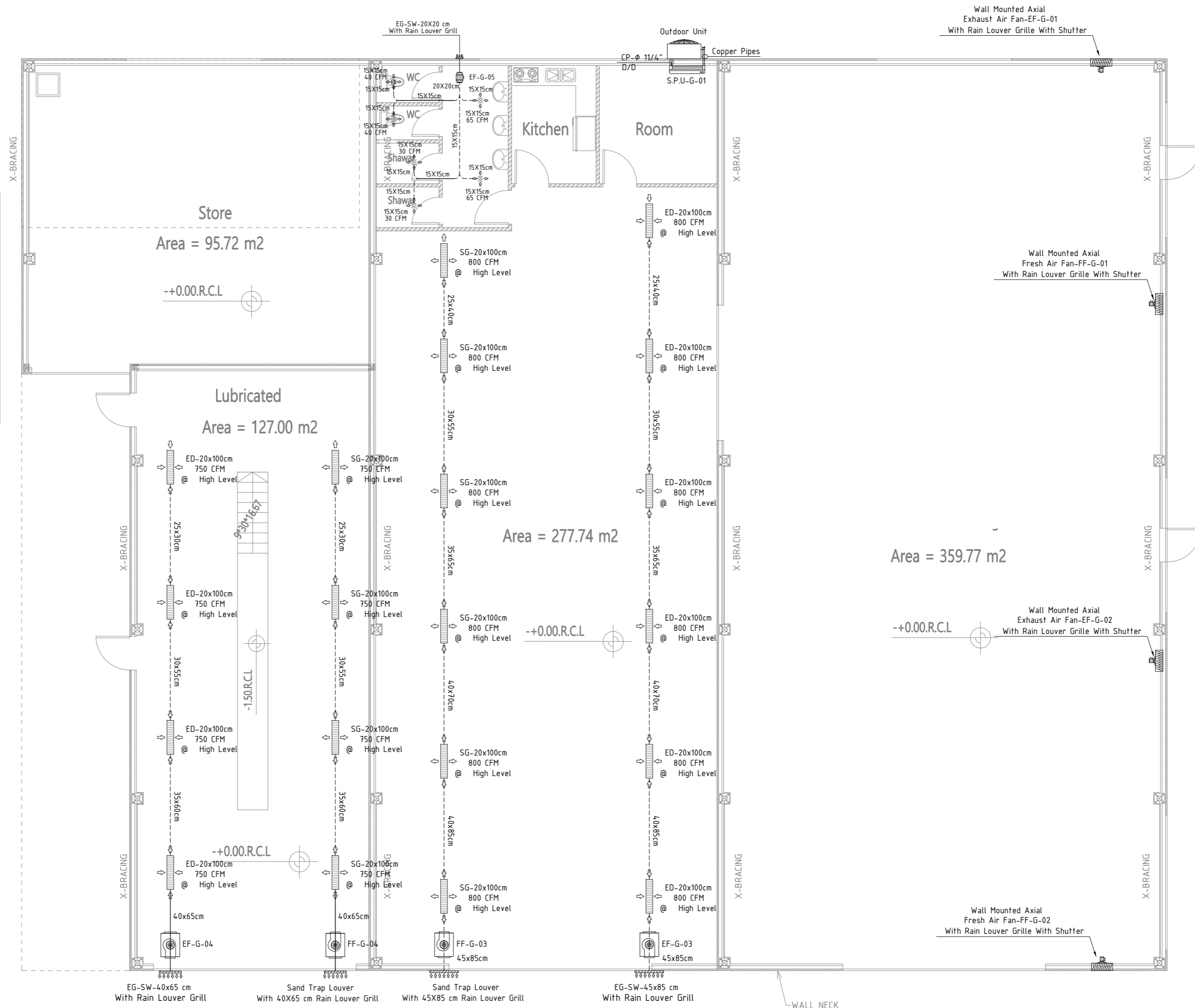
Split Unit Code	Cooling Capacity	Heating Capacity	Electrical Data
	BTU/HR	BTU/HR	
S.P.U-G-01	11950	11350	1Phase - 230V -50Hz -4.5Amp
S.P.U-G-02	11950	11350	1Phase - 230V -50Hz -4.5Amp
S.P.U-G-03	11950	11350	1Phase - 230V -50Hz -4.5Amp

Exhaust Fan - Schedule

Fan Code	Air Flow Rate	Static Pressure	Electrical Data	Number
	CFM	Pa		
F.F.-G-01	4475	30	Single PPhase 230 V-50 Hz - 308Watt-1.30A	1
F.F.-G-02	4475	30	Single PPhase 230 V-50 Hz - 308Watt-1.30A	1
F.F.-G-03	4800	60	Single PPhase 230 V-50 Hz - 1010Watt-5.5A	1
F.F.-G-04	3000	55	Single PPhase 230 V-50 Hz - 535Watt-4.30A	1
E.F.-G-01	4475	30	Single PPhase 230 V-50 Hz - 308Watt-1.30A	1
E.F.-G-02	4475	30	Single PPhase 230 V-50 Hz - 308Watt-1.30A	1
E.F.-G-03	4800	60	Single PPhase 230 V-50 Hz - 1010Watt-5.5A	1
E.F.-G-04	3000	55	Single PPhase 230 V-50 Hz - 535Watt-4.30A	1
E.F.-G-05	270	60	Single PPhase 230 V-50 Hz - 59Watt-0.30A	1
E.F.-G-06	110	20	Single PPhase 230 V-50 Hz - 22Watt-0.1A	1
E.F.-G-07	40	20	Single PPhase 230 V-50 Hz - 8Watt-0.05A	1



GUARD ROOM



**NOTES**  
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 (2) ALL LEVELS ARE IN METER  
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 (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL(-) 2CM LESS THAN CORRIDORS.  
 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  
 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE DETAIL SHEET NUMBER		RC CONCRETE FOR COLUMNS
	FLOOR FINISH LEVEL (F.F.L.)		RC CONCRETE FOR WALLS
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		CONCRETE
	LEVEL MARK IN PLAN		STONE WALL
	WINDOW NUMBER		HOLLOW BLOCKS
	REFERENCE DETAIL SHEET NUMBER		CEMENT TILE
			TERRAZZO TILE
			LOCAL MARBLE
			GLASS
			WALL NECK

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

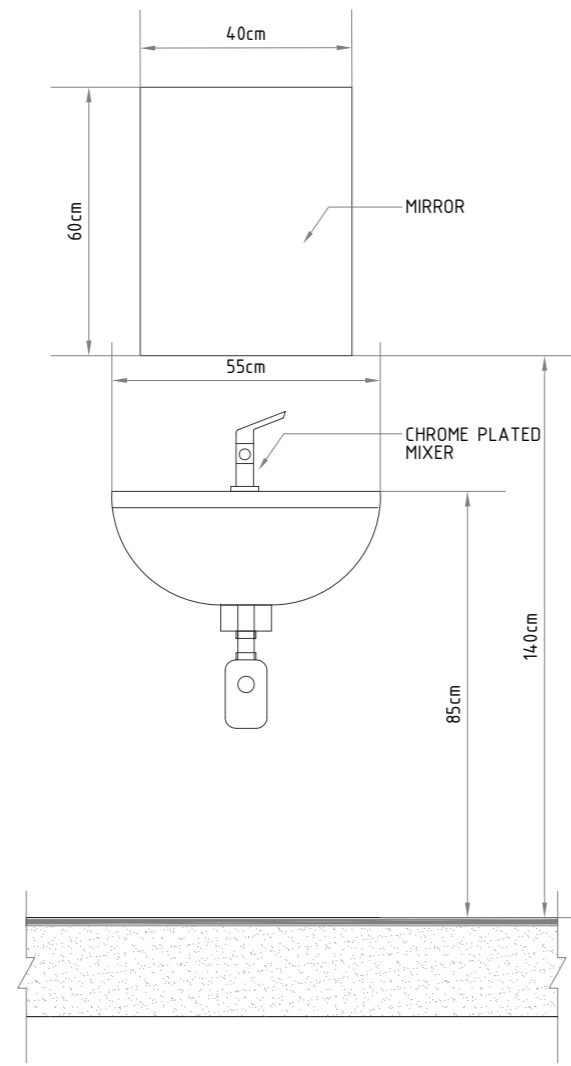
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OWNER:

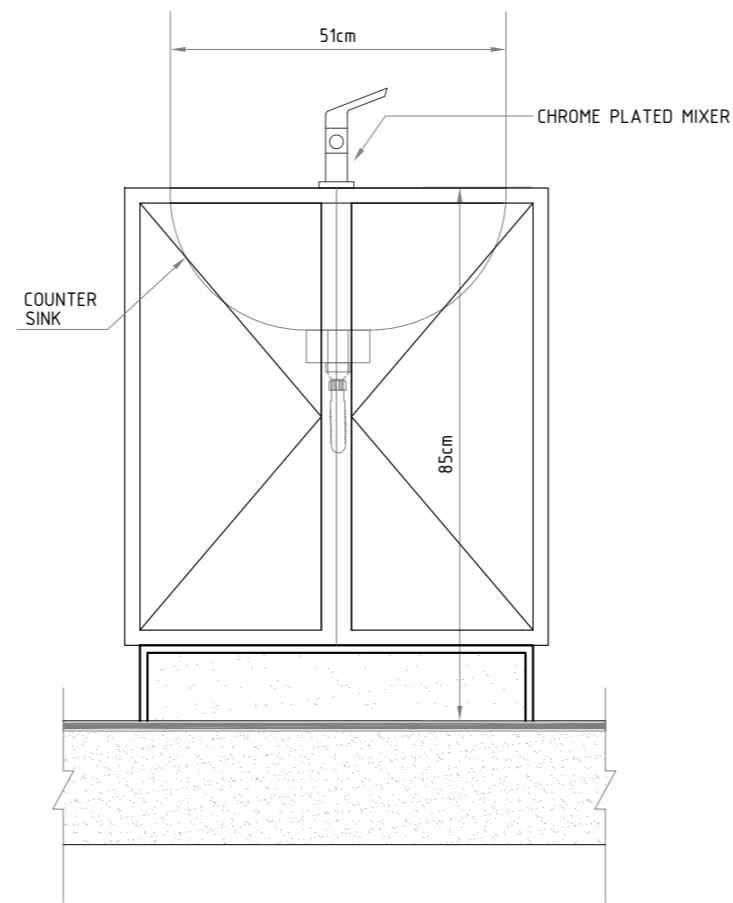
PROJECT:  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

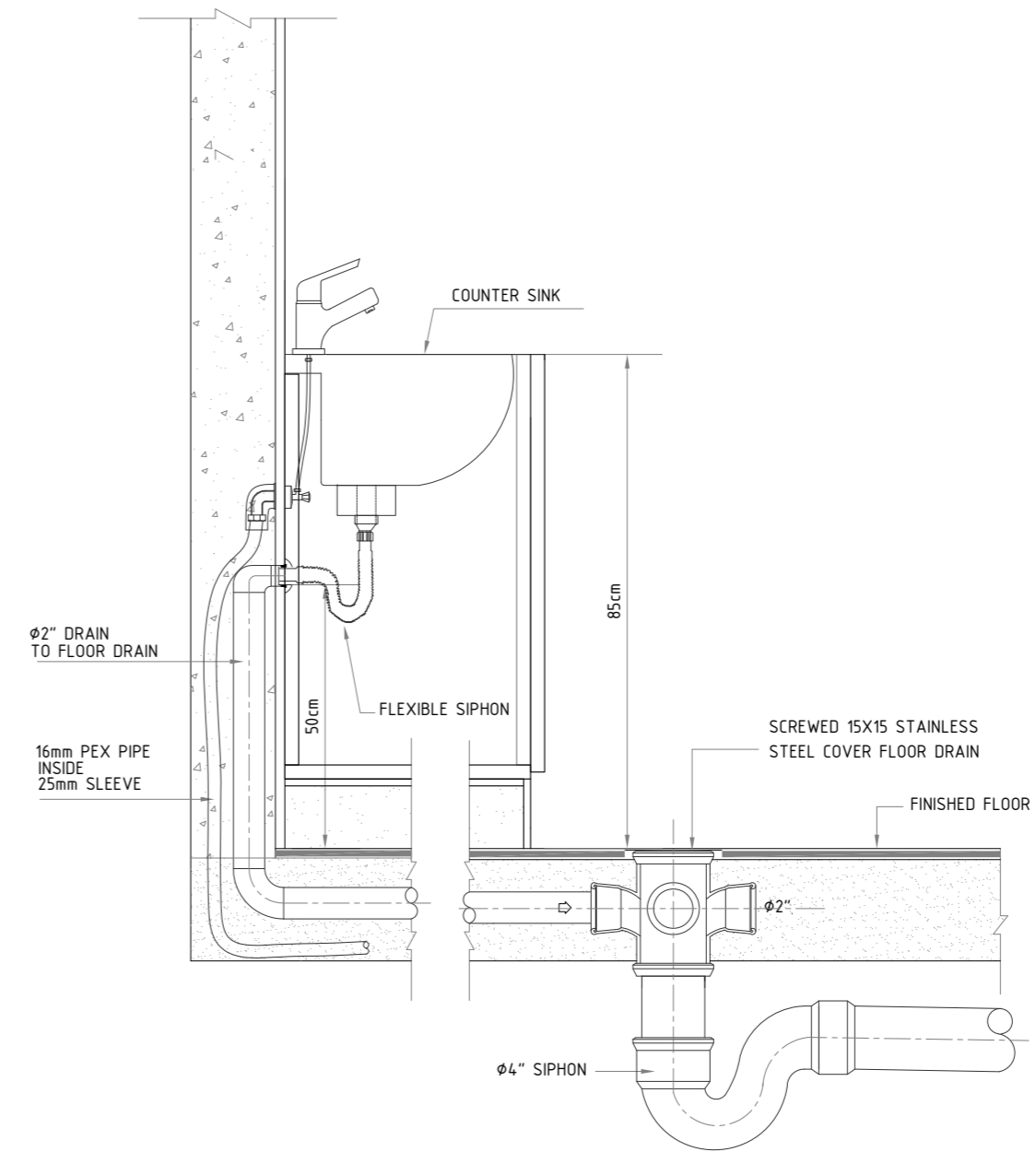
DRAWING TITLE	WAREHOUSE BUILDING GROUND FLOOR PLAN VENTILATION & AC SYSTEMS	DATE: OCTOBER 2025
DESIGNED BY :	ENG. HAMZAH KATTOUSH	SCALE: 1/100
APPROVED BY :	ENG. HAMZAH KATTOUSH	DRAWING NO: M-09



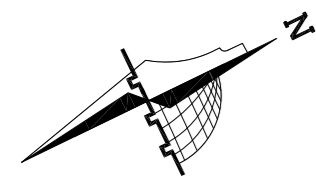
WASH BASIN WITHOUT COUNTER



WASH BASIN WITH COUNTER



WASH BASIN CONNECTION DETAIL



**NOTES**  
 (1) ALL DIMENSIONS ARE IN CM.  
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 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  
 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE SHEET NUMBER		AC CONCRETE FOR CEILING
	REFERENCE DETAIL SHEET NUMBER		WC CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		STONE WALL
	LEVEL SHOWN IN PLAN		HOLLOW BLOCKS
	WINDOW NUMBER		CERAMIC TILE
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE
	DOOR NUMBER		LOCAL MARBLE
	DOOR NUMBER		SANDWICH
	DOOR NUMBER		S.L. SEA LEVEL

REVISIONS	
NO.	DATE
(1)	
(2)	
(3)	

FUNDED BY:

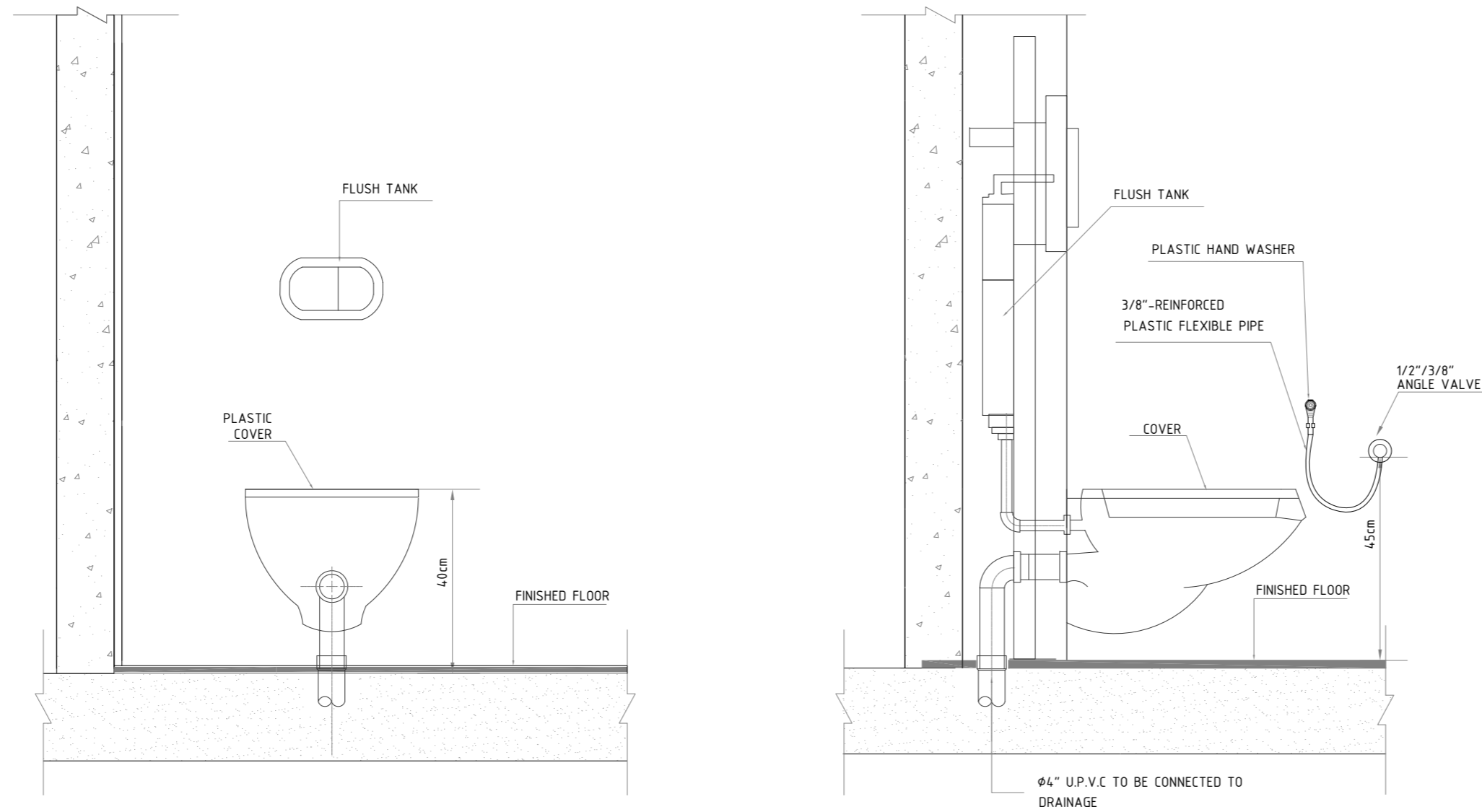
OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

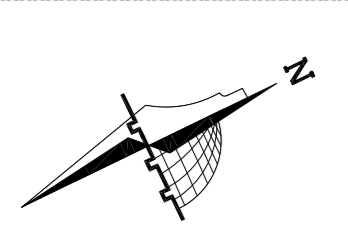
DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	MECHANICAL DETAILS
DESIGNED BY :	ENG. HAMZAH KATTOUSH
APPROVED BY :	ENG. HAMZAH KATTOUSH

DATE:  
 OCTOBER 2025  
 SCALE:  
 N.T.S.  
 DRAWING NO:  
 M-500-1



WATER CLOSET CONNECTION DETAILS



**NOTES**  
 (1) ALL DIMENSIONS ARE IN CM.  
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 (4) ROOMS LEVEL (+) 2CM MORE THAN CORRIDORS, TOILETS & KITCHENS LEVEL (-) 2CM LESS THAN CORRIDORS.  
 (5) LEVELS ON ELEVATIONS & SECTIONS RELEVANT TO ZERO LEVEL ± 0.00.  
 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		REINFORCEMENT CONCRETE LEVEL (R.C.L.)		DOOR NUMBER
	REFERENCE DETAIL SHEET NUMBER		AC CONCRETE FOR CEILING		WINDOW NUMBER
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE		
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		BRICK WALL		
	LEVEL IN PLAN		HOLLOW BLOCKS		
	WINDOW NUMBER		CERAMIC TILE		Water Closet
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE		R.C.L. WITH REINFORCEMENT CONCRETE LEVEL
			LOCAL MARBLE		F.F.L. WITH REINFORCEMENT CONCRETE LEVEL
			SAND		S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

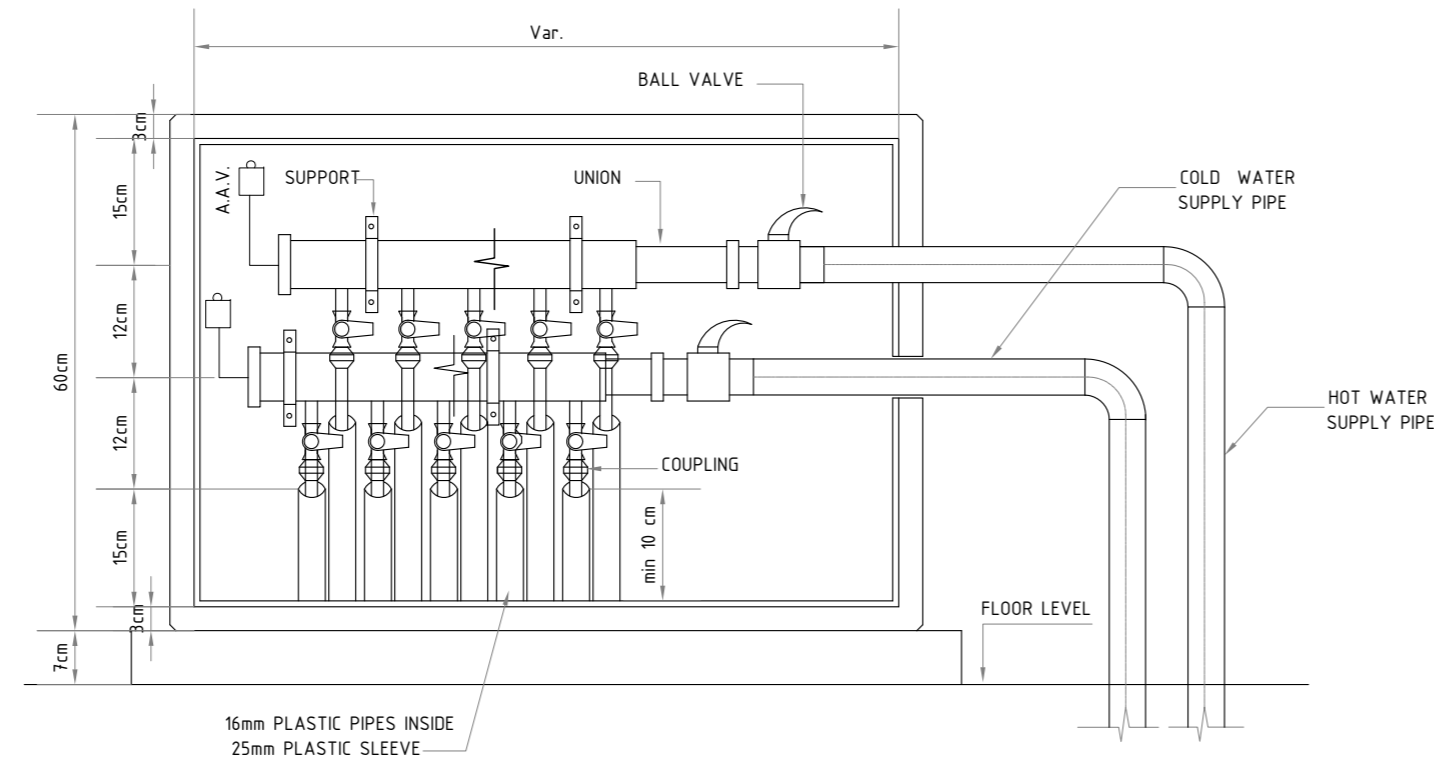
OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

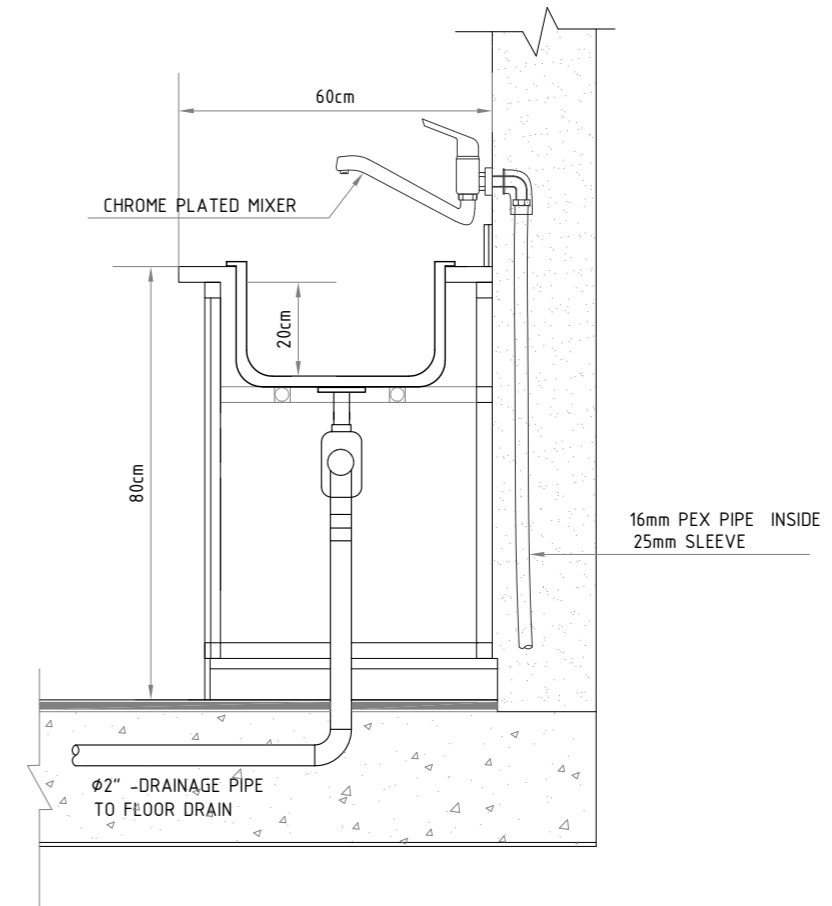
DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	MECHANICAL DETAILS
DESIGNED BY :	ENG. HAMZAH KATTOUSH
APPROVED BY :	ENG. HAMZAH KATTOUSH

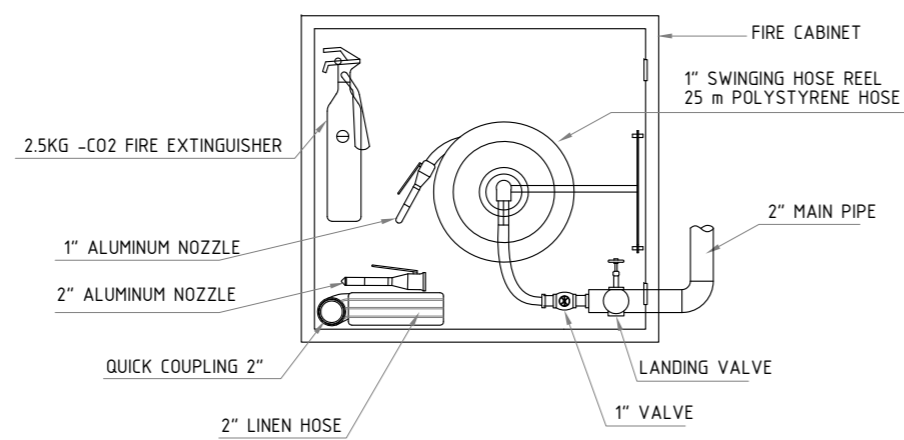
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 SCALE: N.T.S.  
 DRAWING NO: M-500-2



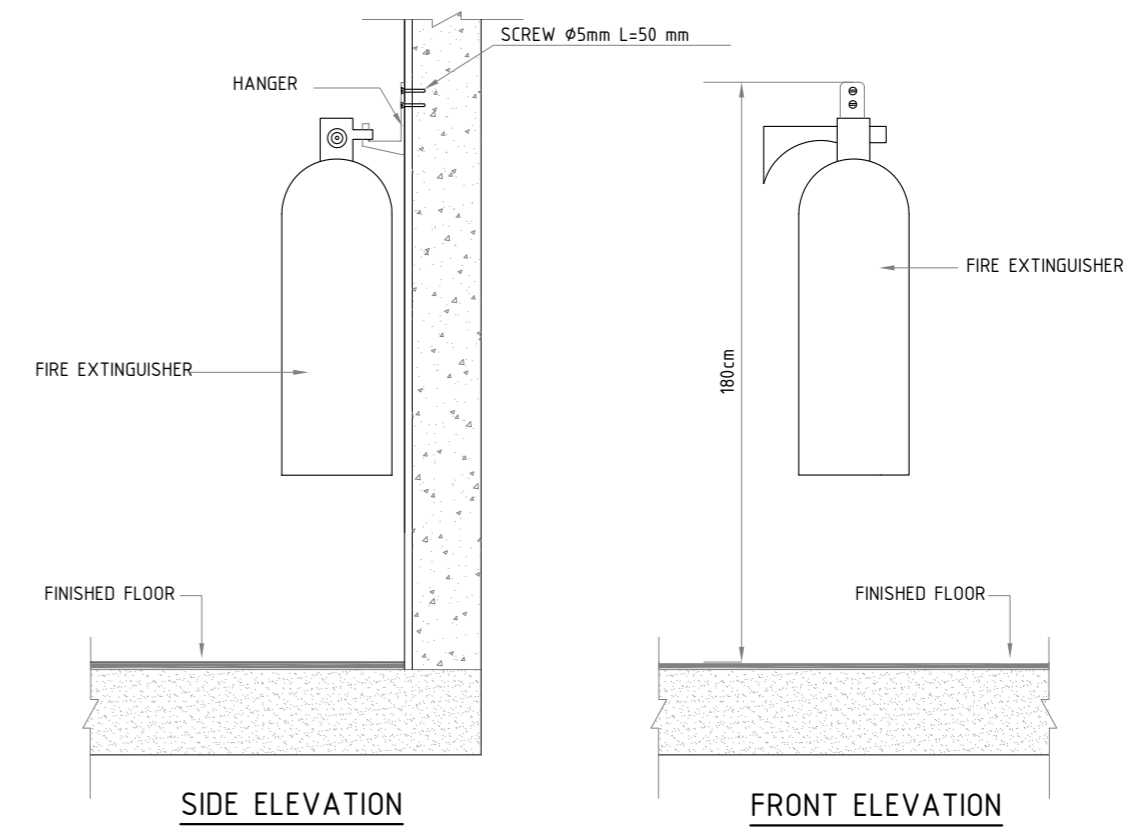
COLD & HOT WATER COLLECTER DETAIL



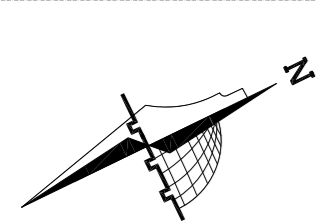
SINK CONNECTION DETAIL



FIRE HOSE CABINET DETAIL



FIRE EXTINGUISHER DETAIL



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 ZERO LEVEL:  
 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE SHEET NUMBER		RC CONCRETE FOR COLUMNS
	REFERENCE DETAIL SHEET NUMBER		RC CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		STONE WALL
	LEVEL SHOWN IN PLAN		HOLLOW BLOCKS
	WINDOW NUMBER		CERAMIC TILE
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE
			LOCAL MARBLE
			MARBLE
			S.L. SEA LEVEL

REVISIONS	
NO.	DATE
(1)	
(2)	
(3)	

FUNDED BY:

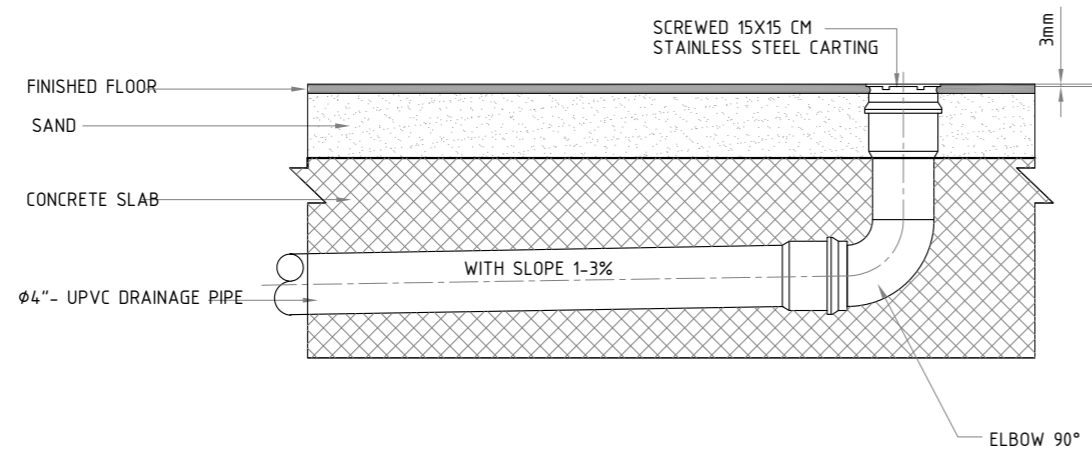
OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

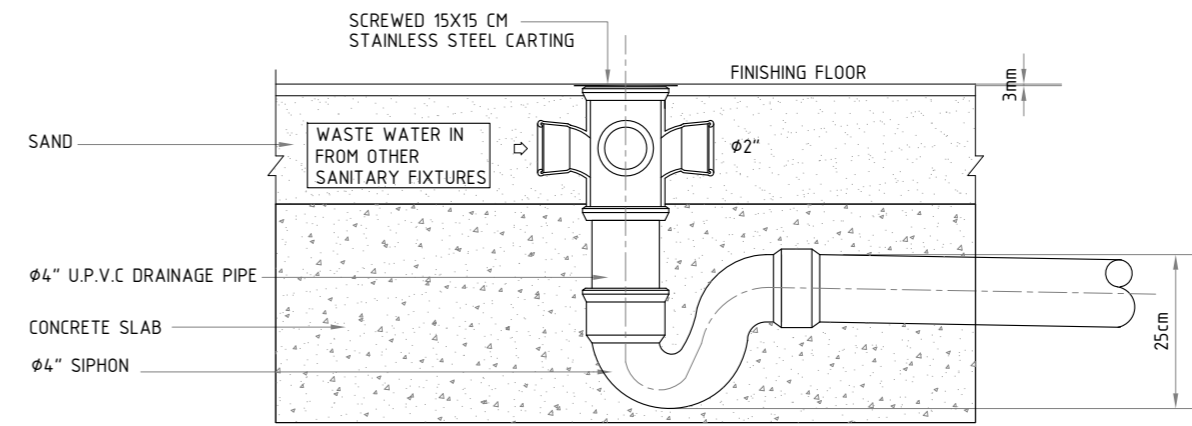
DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE: MECHANICAL DETAILS  
 DESIGNED BY: ENG. HAMZAH KATTOUSH  
 APPROVED BY: ENG. HAMZAH KATTOUSH

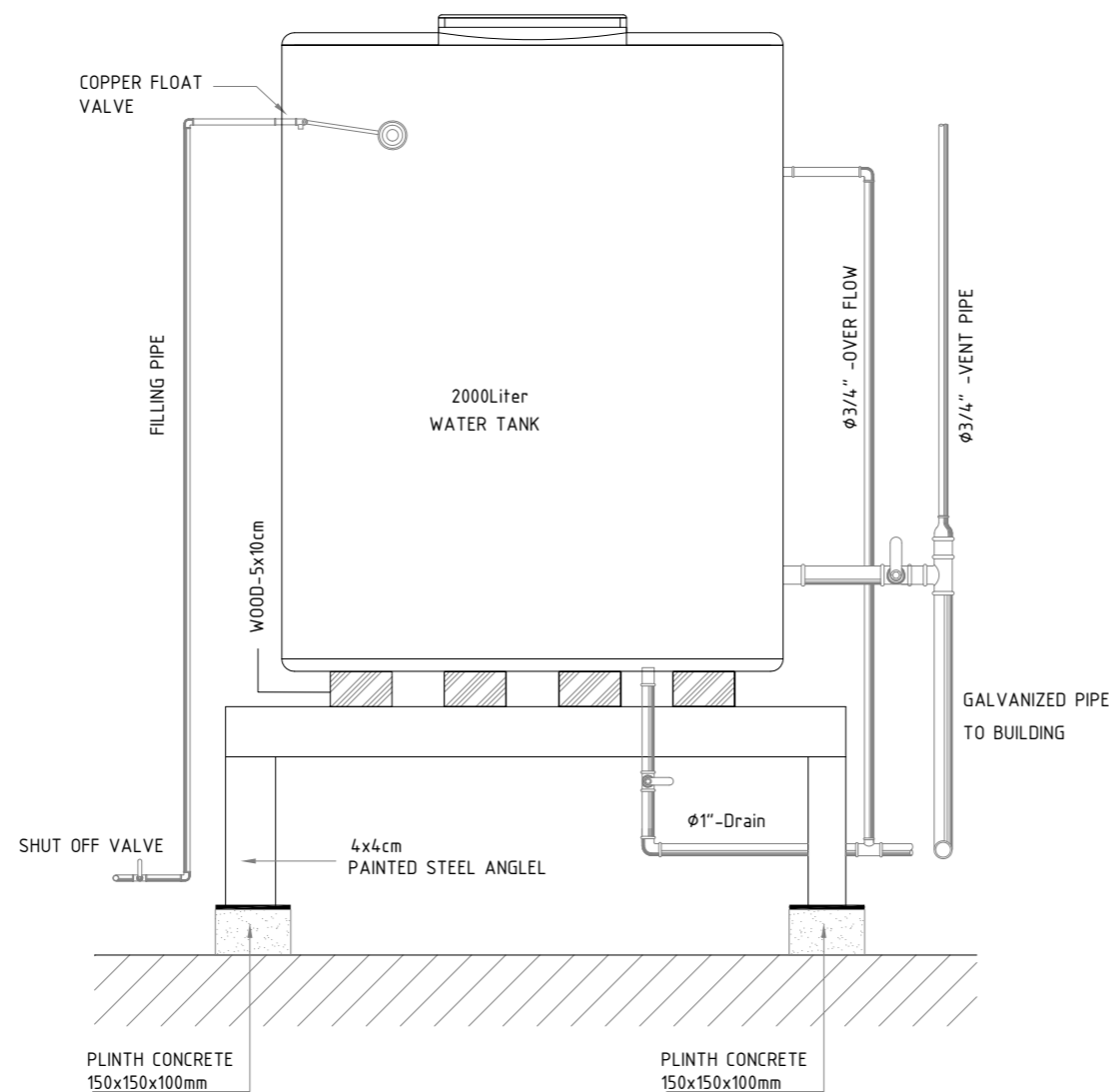
DATE: OCTOBER 2025  
 SCALE: N.T.S.  
 DRAWING NO: M-500-3



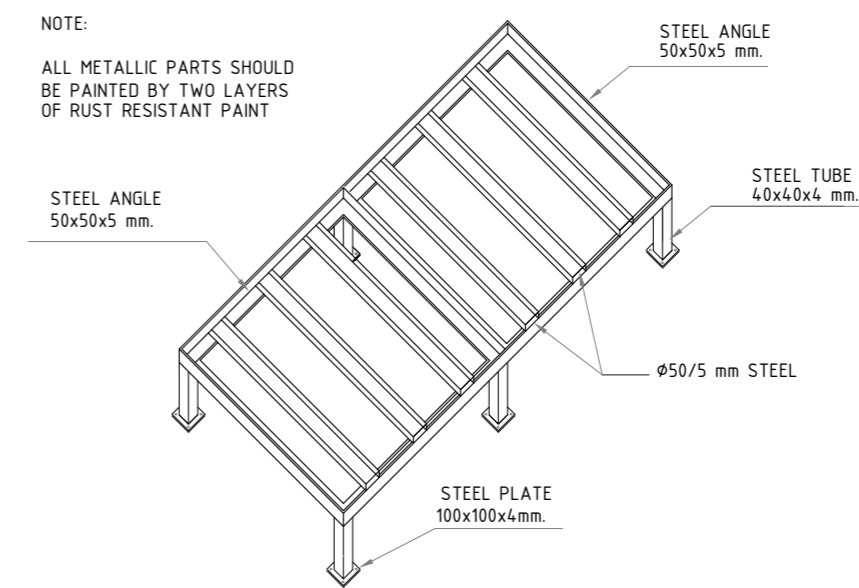
FLOOR CLEANOUT TYPICAL DETAIL (CO)



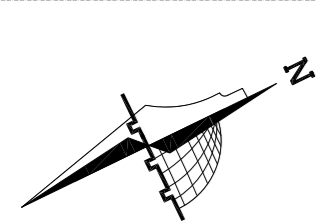
TYPICAL FLOOR DRAIN DETAIL(FD)



TYPICAL WATER TANK INSTALLATION DETAIL



METAL BASE FOR WATER TANK



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 ± 0.00 = R.C.L. = 767.20 FROM SEA LEVEL

**Legend:**

	SECTION NUMBER		DOOR NUMBER
	REFERENCE SHEET NUMBER		AC CONCRETE FOR CEILING
	REFERENCE DETAIL SHEET NUMBER		AC CONCRETE FOR WALL
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		BRICK WALL
	LEVEL SHOWN IN PLAN		HOLLOW BLOCKS
	WINDOW NUMBER		CERAMIC TILE
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE
			LOCAL MARBLE
			SAND
			S.L. SEA LEVEL

**REVISIONS**

NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

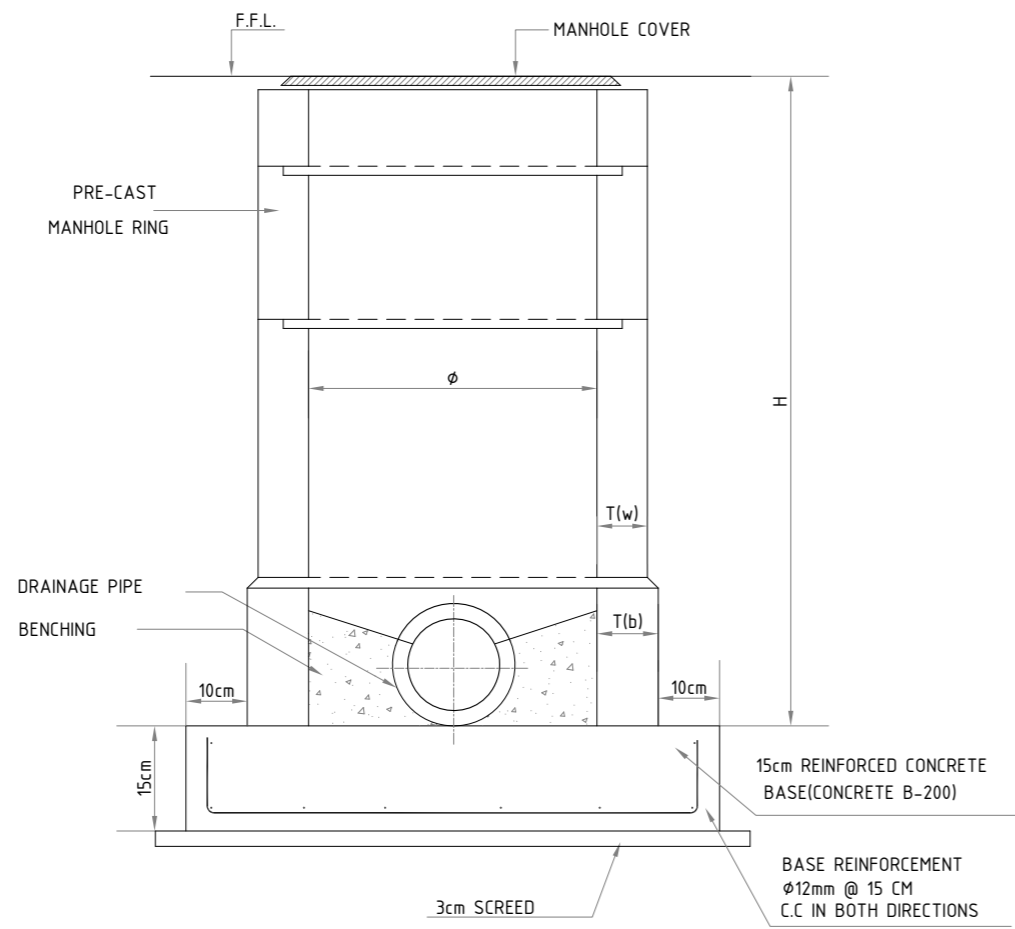
OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.  
 TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

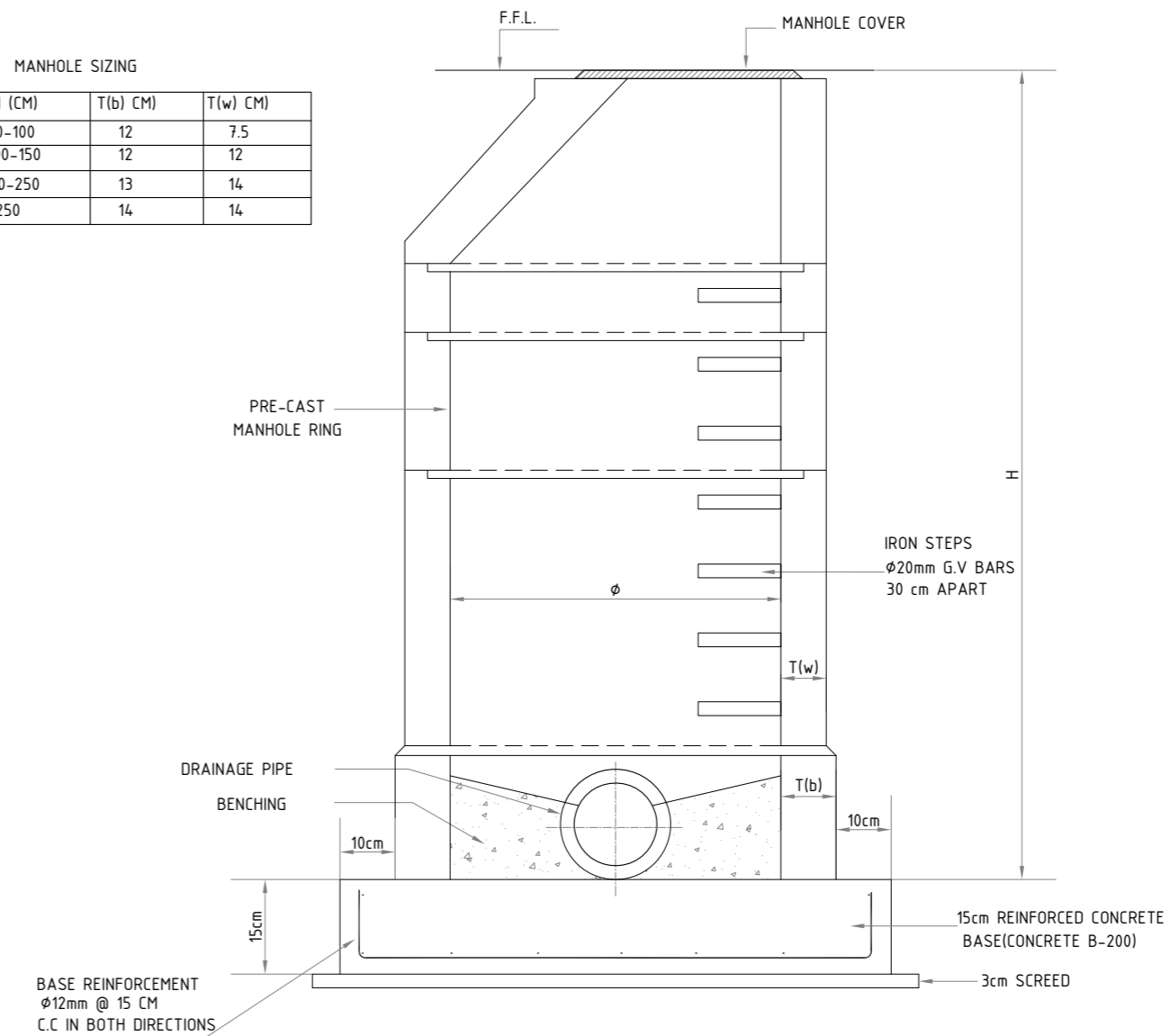
DRAWING TITLE: MECHANICAL DETAILS  
 DESIGNED BY: ENG. HAMZAH KATTOUSH  
 APPROVED BY: ENG. HAMZAH KATTOUSH

DATE: OCTOBER 2025  
 SCALE: N.T.S.  
 DRAWING NO: M-500-4

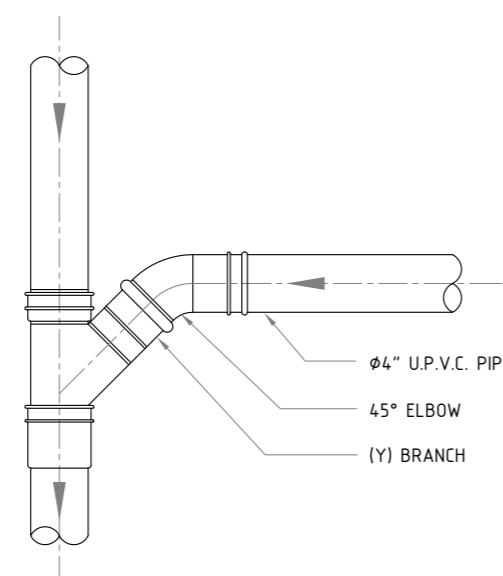


MANHOLE TYPICAL DETAIL DEPTH LESS THAN 120cm

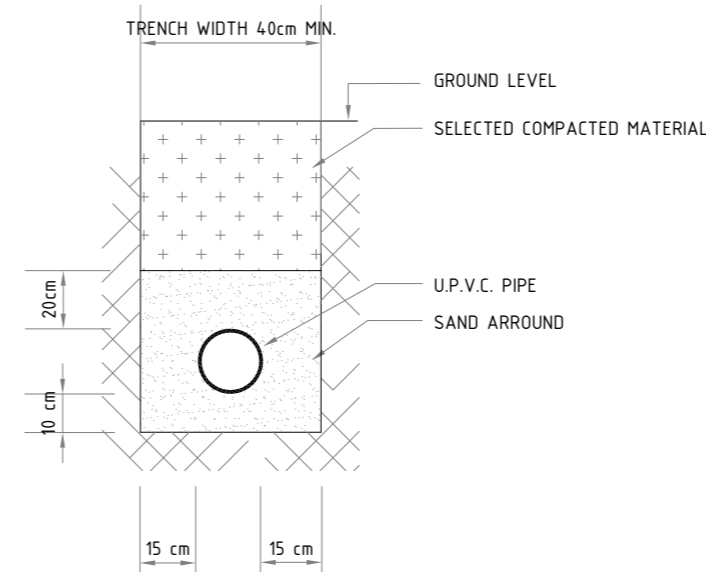
MANHOLE SIZING			
φ (CM)	H (CM)	T(b) (CM)	T(w) (CM)
60	50-100	12	7.5
80	100-150	12	12
100	150-250	13	14
120	>250	14	14



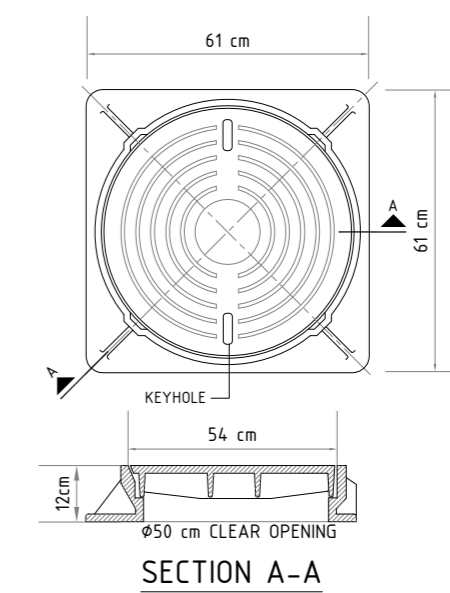
MANHOLE TYPICAL DETAIL DEPTH MORE THAN 120cm



BRANCH CONNECTION OF DRAINAGE PIPE

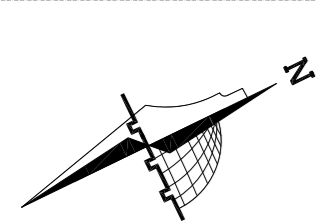


BRANCH CONNECTION OF DRAINAGE PIPE



MATERIAL CAST IRON  
 CAPACITY 25 TON  
 WEIGHT 120 KG  
 HEIGHT 12 cm  
 CLEAR OPENING 50 cm  
 OVERALL DIMENSION 61x61 cm

HEAVY DUTY SEWER MANHOLE COVER



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Legend:		DOOR NUMBER REFERENCE DETAIL SHEET NUMBER	
	SECTION NUMBER		RC CONCRETE FOR COLUMNS
	REFERENCE DETAIL SHEET NUMBER		RC CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		STONE WALL
	LEVEL SHOWN IN PLAN		HOLLOW BLOCKS
	WINDOW NUMBER		CEMENT TILE
	REFERENCE DETAIL SHEET NUMBER		TERRAZZO TILE
			LOCAL MARBLE
			F.F.L. FLOOR LEVEL
			S.L. SEA LEVEL

REVISIONS	
NO.	DATE
(1)	
(2)	
(3)	

FUNDED BY:

OWNER:

PROJECT :

Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:

ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE

MECHANICAL DETAILS

DESIGNED BY : ENG. HAMZAH KATTOUSH

APPROVED BY : ENG. HAMZAH KATTOUSH

DATE:

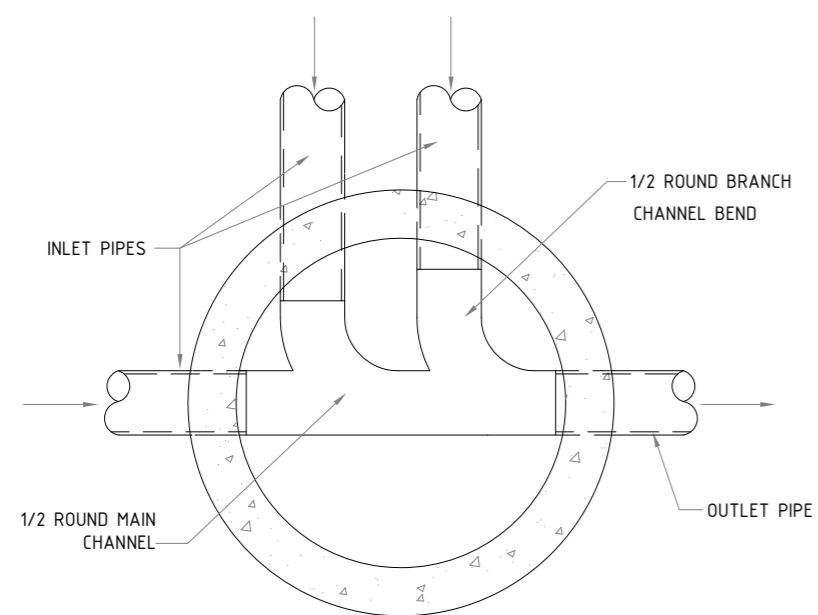
OCTOBER 2025

SCALE:

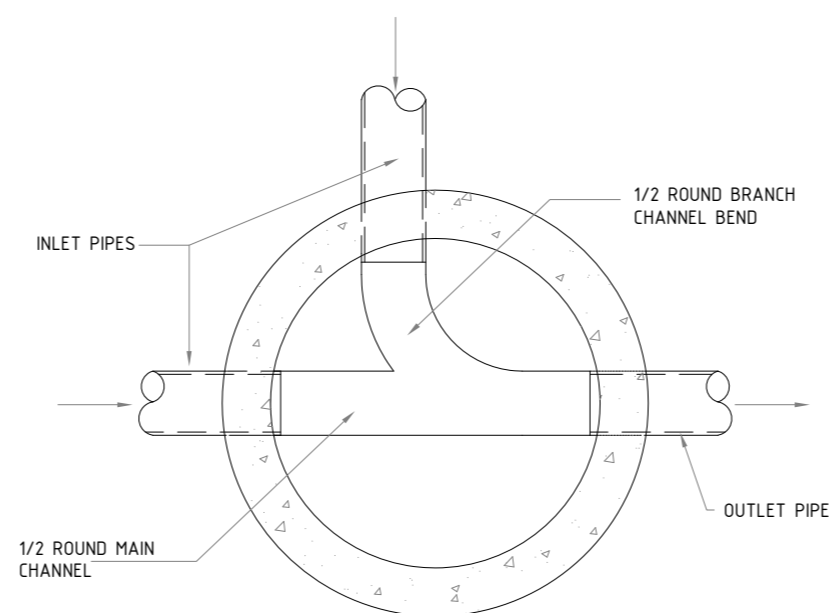
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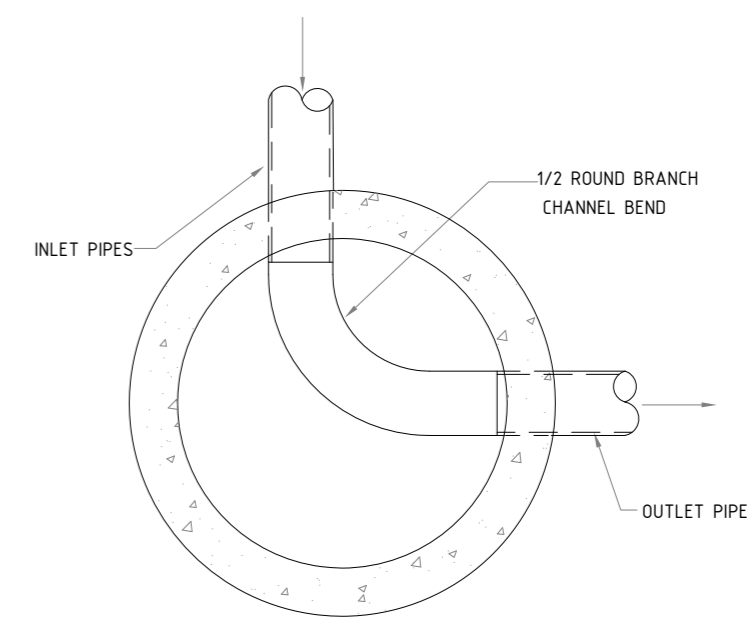
M-500-5



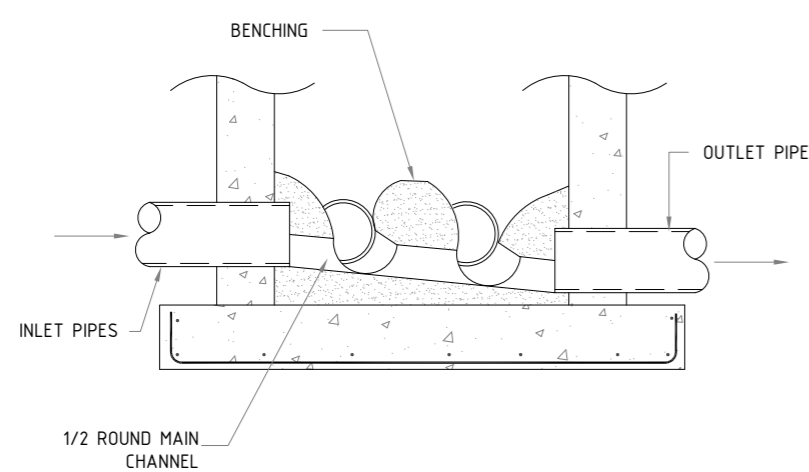
PLAN



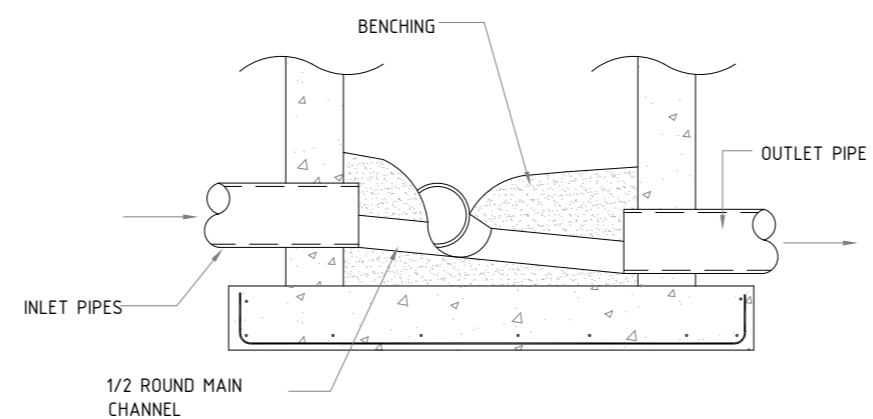
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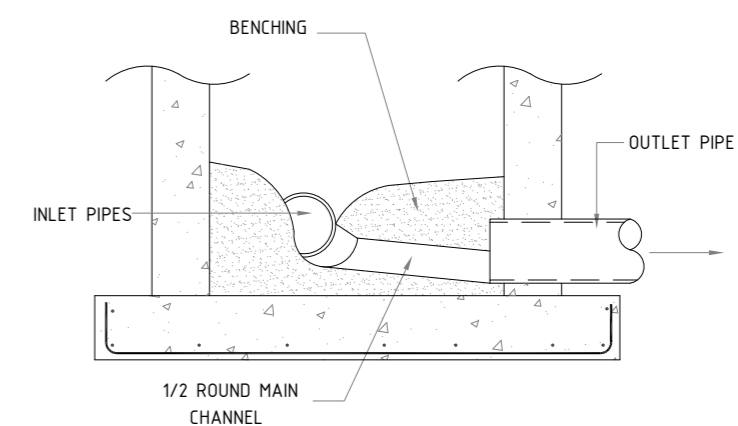
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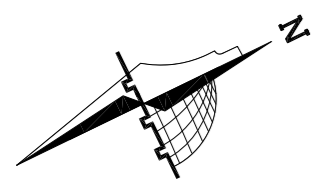
SECTION THROUGH MAIN CHANNEL  
BENCHING DETAILS 2 BRANCHES ON THE SAME SIDE



SECTION THROUGH MAIN CHANNEL  
BENCHING DETAILS ONE BRANCH



SECTION THROUGH MAIN CHANNEL  
BENCHING DETAILS CHANGE OF DIRECTION



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Legend:		DOOR NUMBER REFERENCE DETAIL SHEET NUMBER	
	SECTION NUMBER		R.C. CONCRETE FOR COLUMNS
	REFERENCE DETAIL SHEET NUMBER		R.C. CONCRETE FOR WALLS
	FLOOR FINISH LEVEL (F.F.L.)		CONCRETE
	REINFORCEMENT CONCRETE LEVEL (R.C.L.)		STONE WALL
	LEVEL SHOWN IN PLAN		HOLLOW BLOCKS
	WINDOW NUMBER REFERENCE DETAIL SHEET NUMBER		CERAMIC TILE
			TERRAZZO TILE
			LOCAL MARBLE
			MARBLE
			S.L. SEA LEVEL

REVISIONS		
NO.	DRAWINGS	DATE
(1)		
(2)		
(3)		

FUNDED BY:

OWNER:

PROJECT :  
 Construction Of A Building And Garage For The Joint Service Council For Solid Waste Management Hebron Governorate.

TENDER NO. :

DESIGNED BY:  
 ZODIAC DESIGN AND ENGINEERING

DRAWING TITLE	MECHANICAL DETAILS
DESIGNED BY :	ENG. HAMZAH KATTOUSH
APPROVED BY :	ENG. HAMZAH KATTOUSH

DATE:	OCTOBER 2025
SCALE:	N.T.S.
DRAWING NO:	M-500-6