

# STATE OF PALESTINE



## MINISTRY OF EDUCATION

D.G. Building

---

### PROJECT NAME

Public Services Contract for the "Rehabilitation Works

And creation of a Fablab

AT THE NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"

Contracting Authority:



ENABEL  
Belgian Development Agency

FUNDED BY:



PROJECT CODE: PSE22001-10071

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Designed by



Consulting Engineers مهندسون إستشاريون

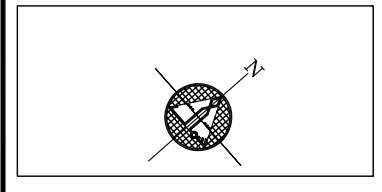
REGISTRATION No. 02  
AL-BIREH - PALESTINE  
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**NOTES: -**

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
- ALL WIN. HAVE STEEL PROTECTION



**LEGEND**

	SECTION NUMBER REFERENCE SHEET NUMBER
	DETAIL NUMBER REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL FLOOR CONCRETE LEVEL
	LEVEL SIGN IN PLAN
	WINDOW NUMBER REFERENCE SHEET NUMBER
	DOOR NUMBER REFERENCE SHEET NUMBER
	RC CONCRETE FOR COL.
	RC CONCRETE FOR WALLS
	CONCRETE
	STONE WALL
	HOLLOW BLOCKS
	INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE

MINISTRY OF EDUCATION  
D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**

**ENABEL**  
Belgian Development Agency

**FUNDED BY:**

**Belgium**  
partner in development

**PROJECT NAME:**  
Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
PROJECT CODE: PSE22001-10071

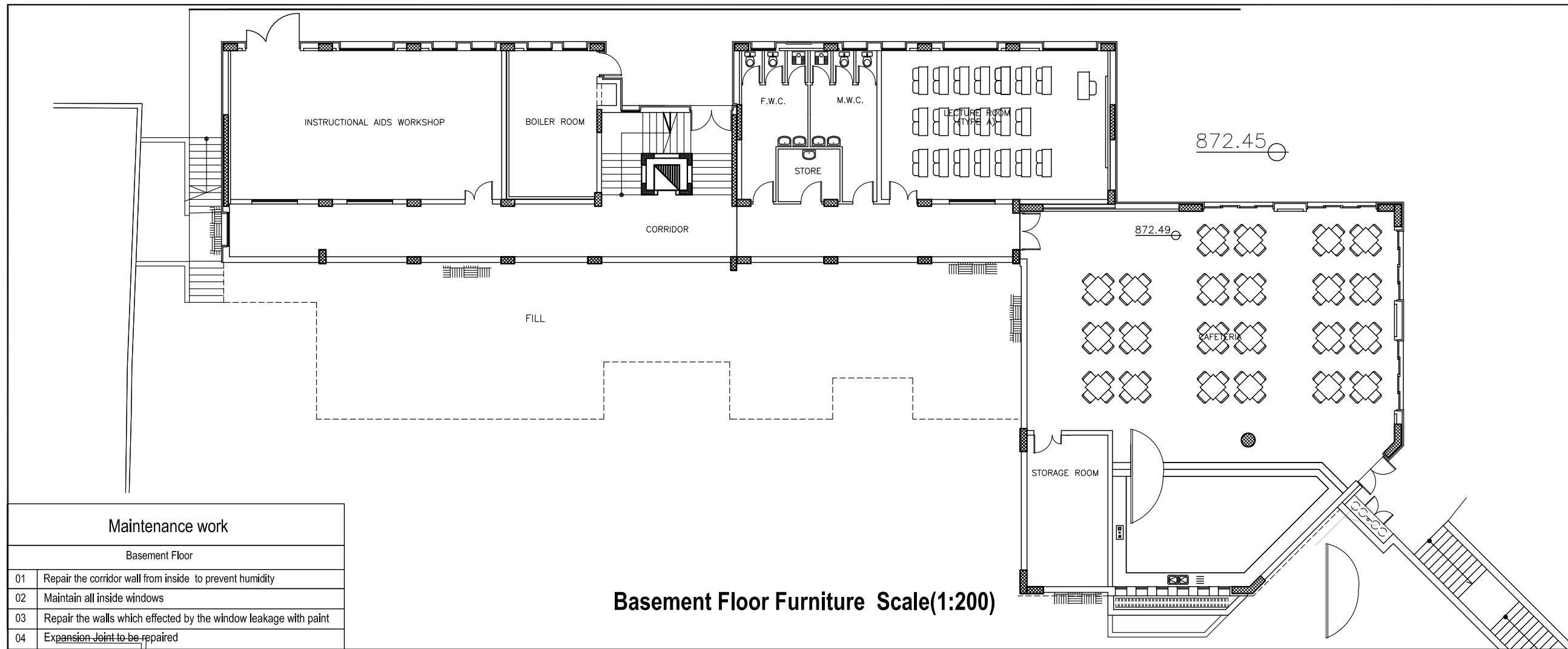
**SHEET NAME:**  
LIST OF DRAWINGS

**LOCATION:**  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

**مهندسون | مستشاريون**  
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<b>DESIGNED</b>	Arch. A. ZAGHA	<b>SCALE</b>	1:200
<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arch. A. ZAGHA		<b>DRG. No.</b> A-00
<b>DRAWN</b>	AUTO CAD		



**Basement Floor Furniture Scale(1:200)**

Maintenance work	
Basement Floor	
01	Repair the corridor wall from inside to prevent humidity
02	Maintain all inside windows
03	Repair the walls which effected by the window leakage with paint
04	Expansion Joint to be repaired

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**LEGEND**

SECTION NUMBER  
REFERENCE SHEET NUMBER

DETAIL NUMBER  
REFERENCE SHEET NUMBER

FLOOR FINISH LEVEL  
FLOOR CONCRETE LEVEL

LEVEL SIGN IN PLAN

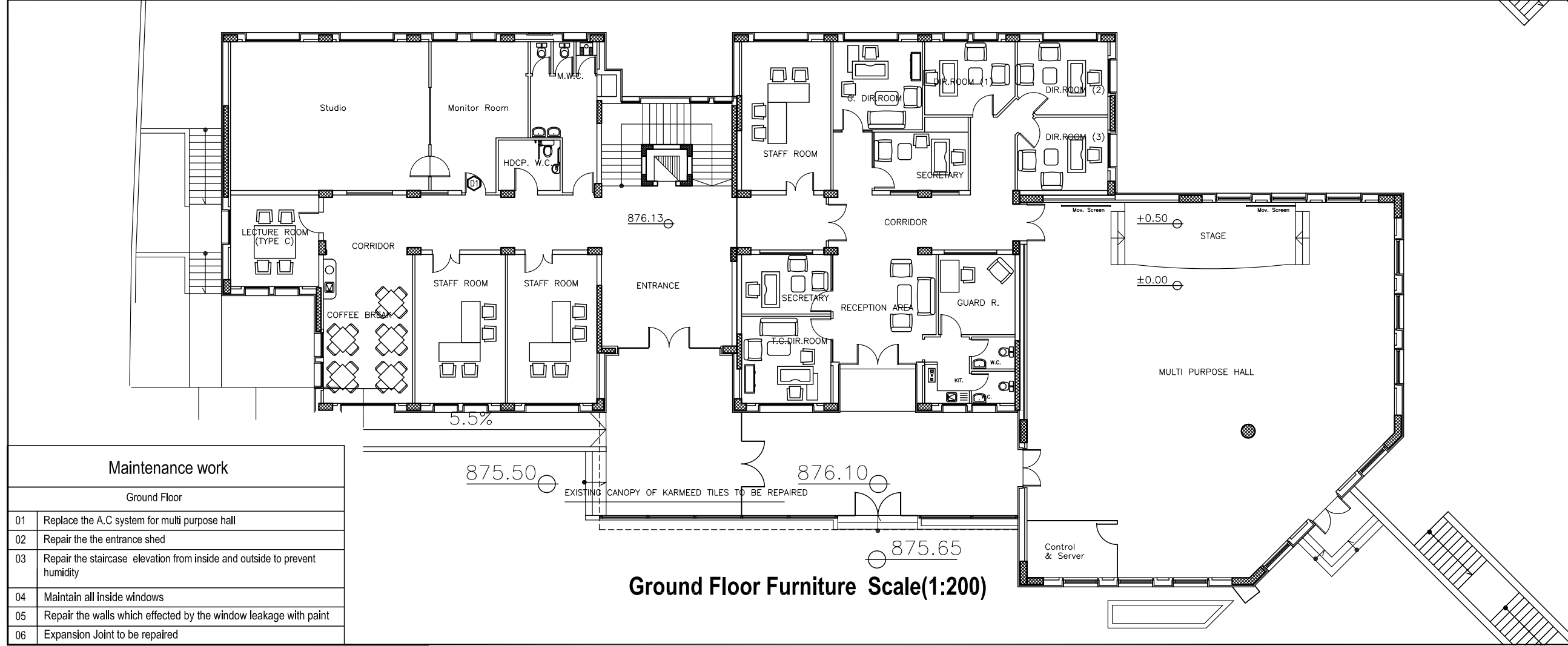
WINDOW NUMBER  
REFERENCE SHEET NUMBER

DOOR NUMBER  
REFERENCE SHEET NUMBER

RC CONCRETE FOR COL.  
RC CONCRETE FOR WALLS  
CONCRETE  
STONE WALL  
HOLLOW BLOCKS  
INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE



**Ground Floor Furniture Scale(1:200)**

Maintenance work	
Ground Floor	
01	Replace the A.C system for multi purpose hall
02	Repair the the entrance shed
03	Repair the staircase elevation from inside and outside to prevent humidity
04	Maintain all inside windows
05	Repair the walls which effected by the window leakage with paint
06	Expansion Joint to be repaired

**OWNER:** STATE OF PALESTINE

MINISTRY OF EDUCATION  
D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**

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Belgian Development Agency

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**PROJECT NAME:**  
Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET" PROJECT CODE: PSE22001-10071

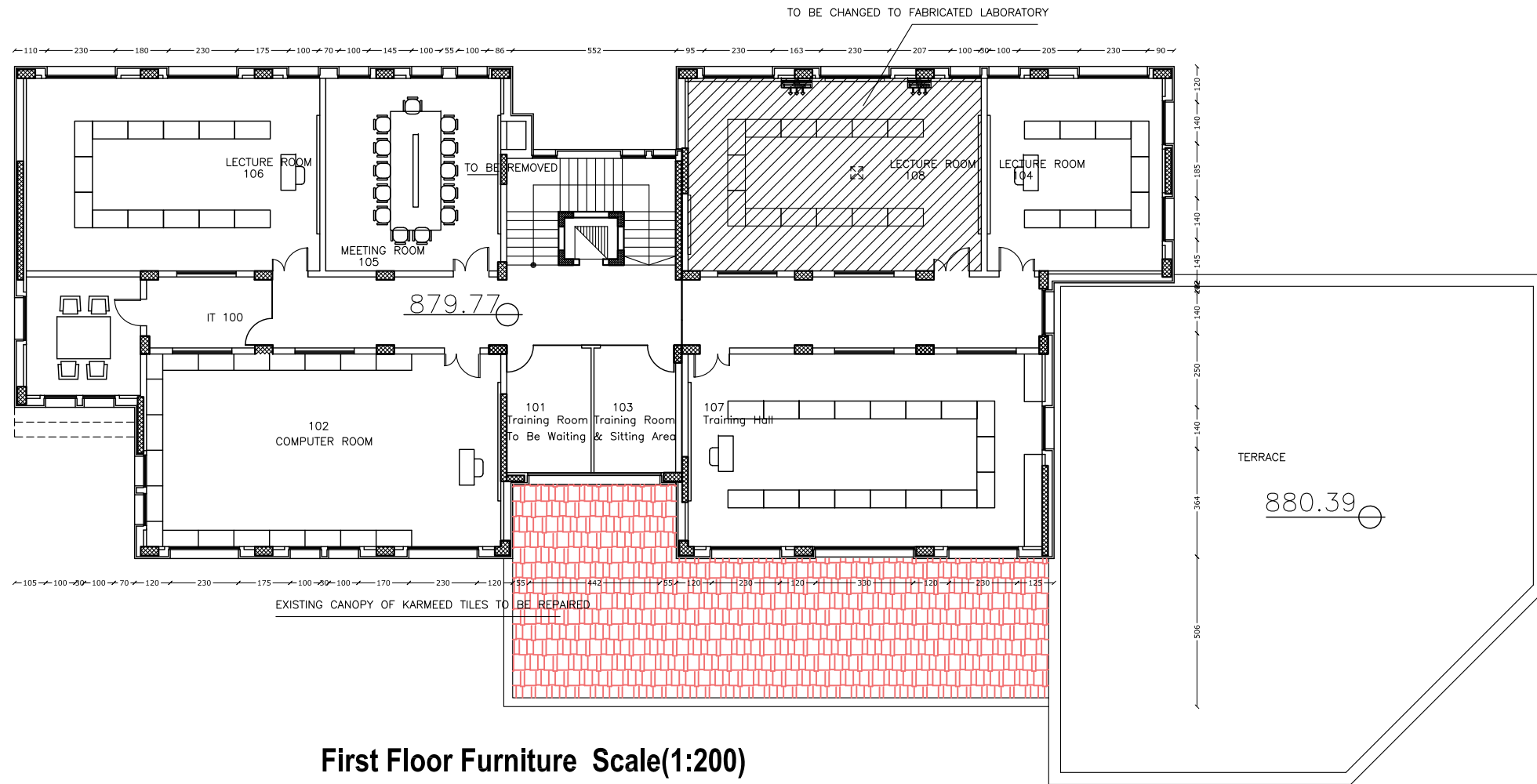
**SHEET NAME:**  
**BASEMENT & GROUND FLOOR PLANS MAINTENANCE WORK**

**LOCATION:**  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

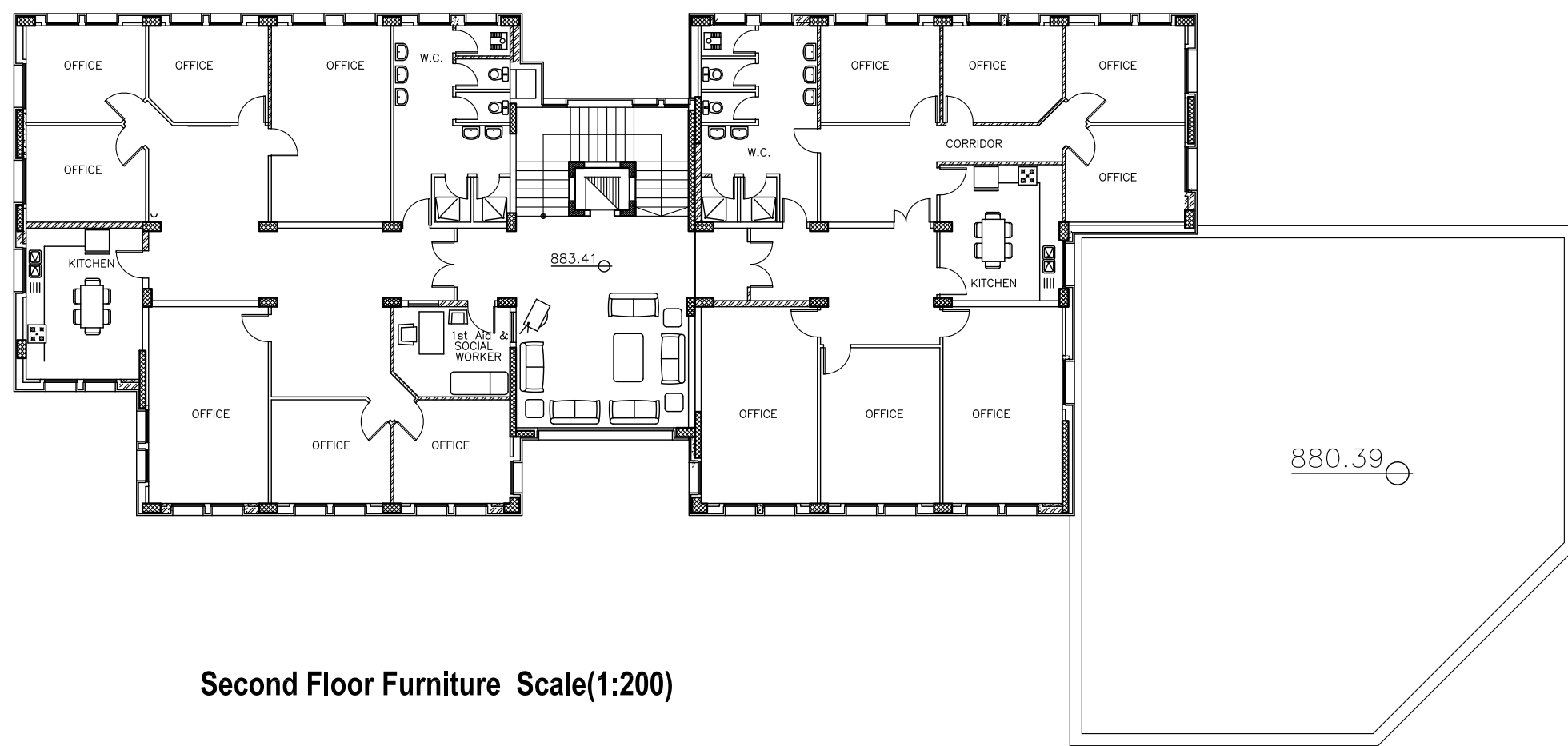
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<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	<b>A-101</b>
<b>DRAWN</b>	AUTO-CAD		



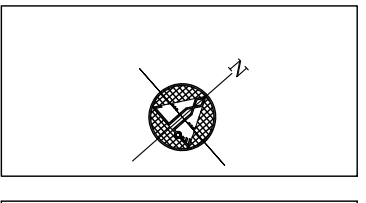
**First Floor Furniture Scale(1:200)**



**Second Floor Furniture Scale(1:200)**

**NOTES:-**

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**LEGEND**

	SECTION NUMBER	REFERENCE SHEET NUMBER
	DETAIL NUMBER	REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL	FLOOR CONCRETE LEVEL
	LEVEL SIGN IN PLAN	
	WINDOW NUMBER	REFERENCE SHEET NUMBER
	DOOR NUMBER	REFERENCE SHEET NUMBER
	RC CONCRETE FOR COL.	
	RC CONCRETE FOR WALLS	
	CONCRETE	
	STONE WALL	
	HOLLOW BLOCKS	
	INSULATION MATERIAL	

**REVISIONS**

No.	DESCRIPTION	DATE

**Maintenance work**

First Floor

01	Adding a UPS power panel and connecting cables to it
02	Maintain all inside windows
03	Repair the walls which effected by the window leakage with paint
04	Expansion Joint to be repaired
05	All White Boards to be Changed by new one
06	All Curtain of Windows to be Changed by new one
07	All Walls, Wooden Doors and Frames to be repainted
08	FALSE CEILING TO BE ADDED TO FAB LAB
09	IN THE FAB LAB THE BACK & THE EXTERNAL WALLS TO BE COVERED BY GYPSUM BOARD

**Maintenance work**

First Floor

01	Converting the lecture room type (A) into a computer laboratory (Steam)
02	Adding a UPS power panel and connecting cables to it
03	Maintain all inside windows
04	Repair the walls which effected by the window leakage with paint
05	Expansion Joint to be repaired

**OWNER:** STATE OF PALESTINE

MINISTRY OF EDUCATION  
D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:** Enabel  
ENABEL  
Belgian Development Agency

**FUNDED BY:** Belgium  
partner in development

**PROJECT NAME:** Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET" PROJECT CODE: PSE22001-10071

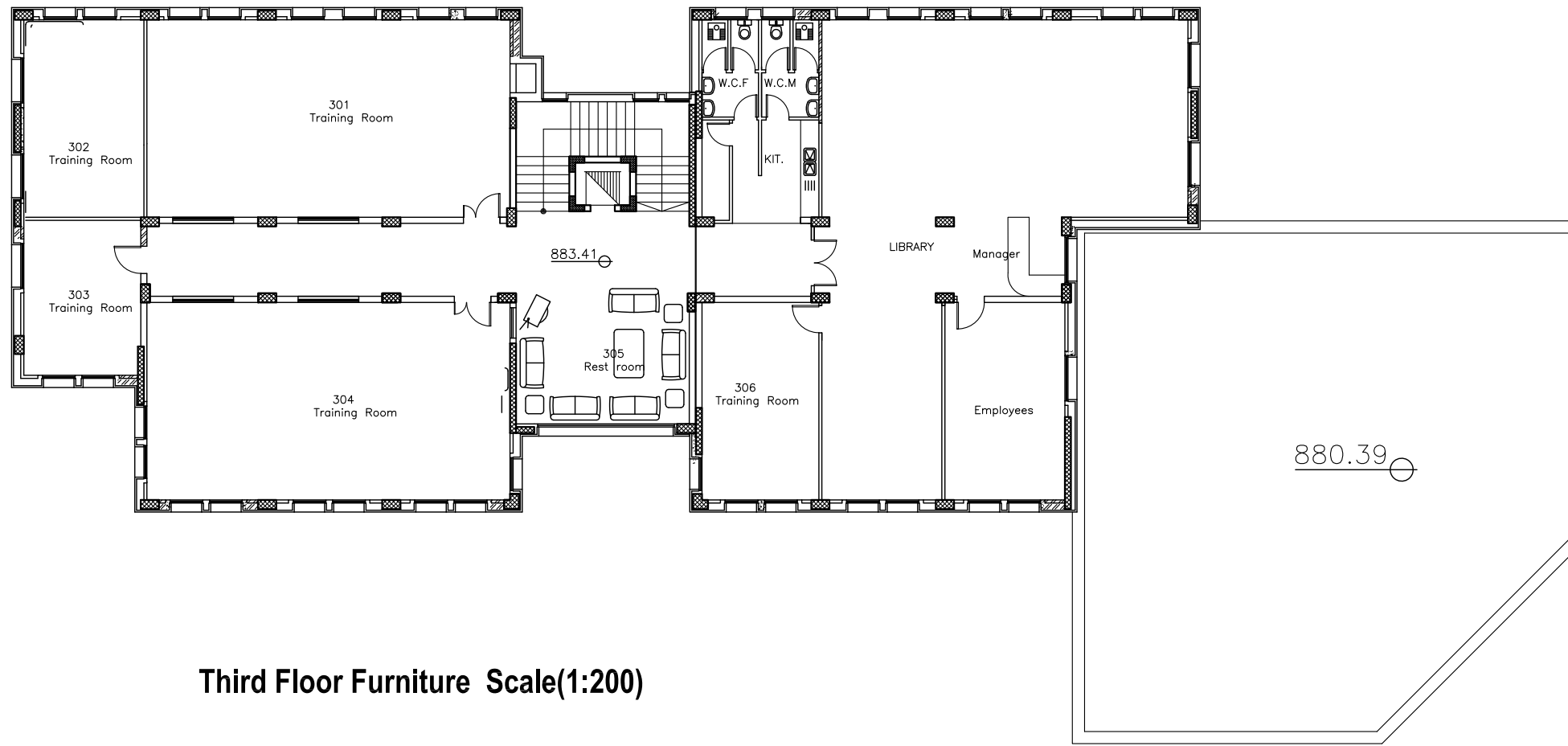
**SHEET NAME:** FIRST & SECOND FLOOR PLANS MAINTENANCE WORK

**LOCATION:** GOVERNATE: RAMALLAH & EL-BIREH  
CITY: AL-BIREH BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

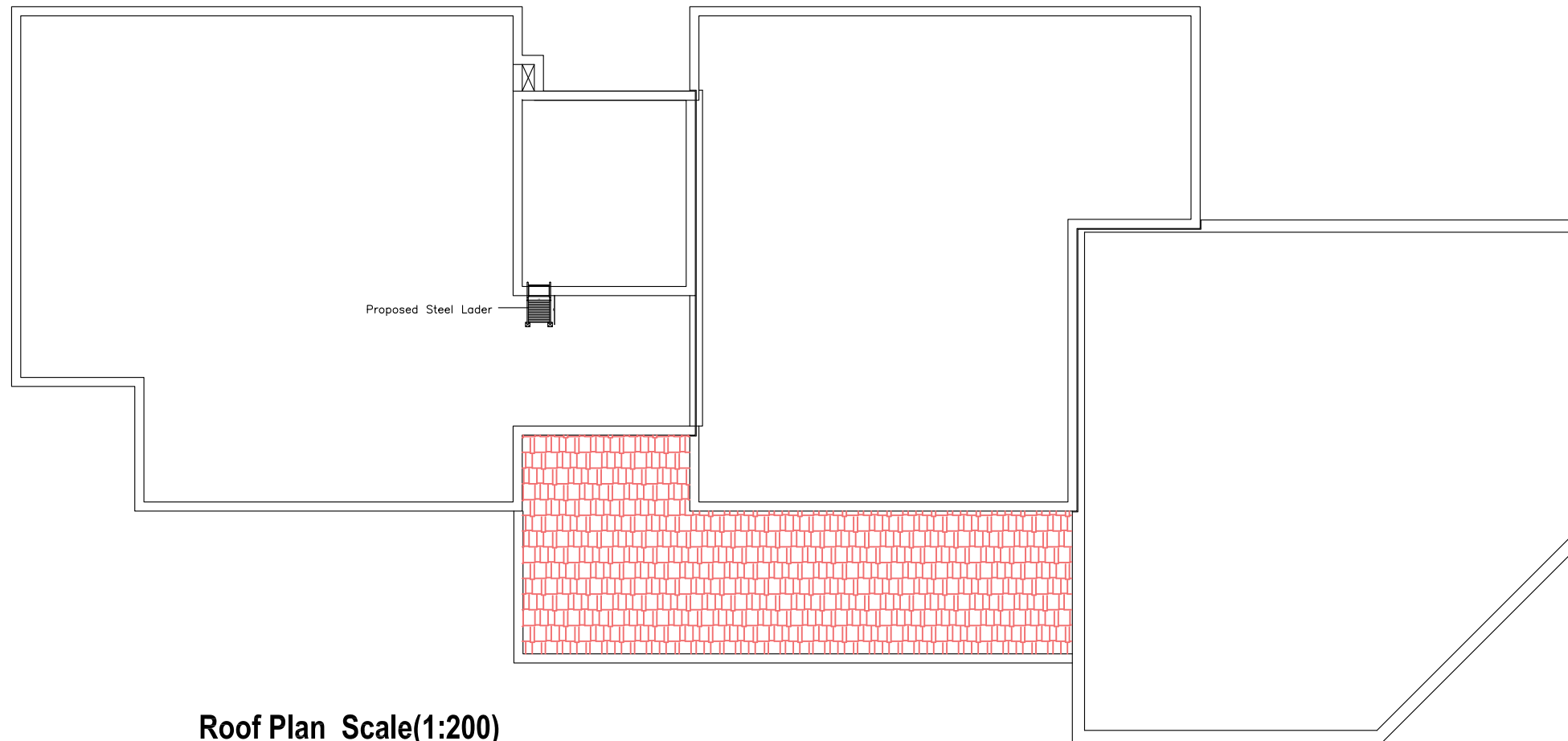
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<b>DESIGNED</b>	Arch. A. ZAGHA	<b>SCALE</b>	1:200
<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	A-102
<b>DRAWN</b>	AUTO CAD		



Third Floor Furniture Scale(1:200)



Roof Plan Scale(1:200)

Maintenance work

Second & Third Floor

01	Maintain all inside windows
02	Repair the walls which effected by the window leakage with paint
03	Expansion Joint to be repaired

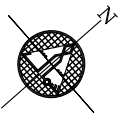
Maintenance work

Roof Floor

01	Removable of Existing Membrane and fixation of New one till the edge of Copying
02	Removable of existing copying and replace them with new one
03	Expansion Joint to be repaired
04	Casting of screed at the top of staircase slab
05	Re-plastering of the external walls of the staircase
06	Install of collar and boilers
06	Install of water tanks

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LEGEND

- SECTION NUMBER REFERENCE SHEET NUMBER
- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

REVISIONS

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:



PROJECT NAME:  
Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
PROJECT CODE: PSE22001-10071

SHEET NAME:  
ROOF PLAN  
MAINTENANCE WORK

LOCATION:  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

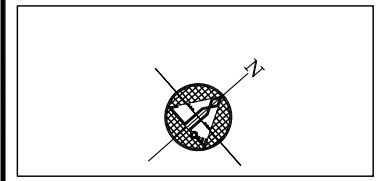


DESIGNED	Arch. A. ZAGHA	SCALE	1:200
CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	A-103
DRAWN	AUTO-CAD		



**NOTES:--**

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**LEGEND**

SECTION NUMBER  
REFERENCE SHEET NUMBER

DETAIL NUMBER  
REFERENCE SHEET NUMBER

FLOOR FINISH LEVEL  
FLOOR CONCRETE LEVEL

LEVEL SIGN IN PLAN

WINDOW NUMBER  
REFERENCE SHEET NUMBER

DOOR NUMBER  
REFERENCE SHEET NUMBER

RC CONCRETE FOR COL.

RC CONCRETE FOR WALLS

CONCRETE

STONE WALL

HOLLOW BLOCKS

INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

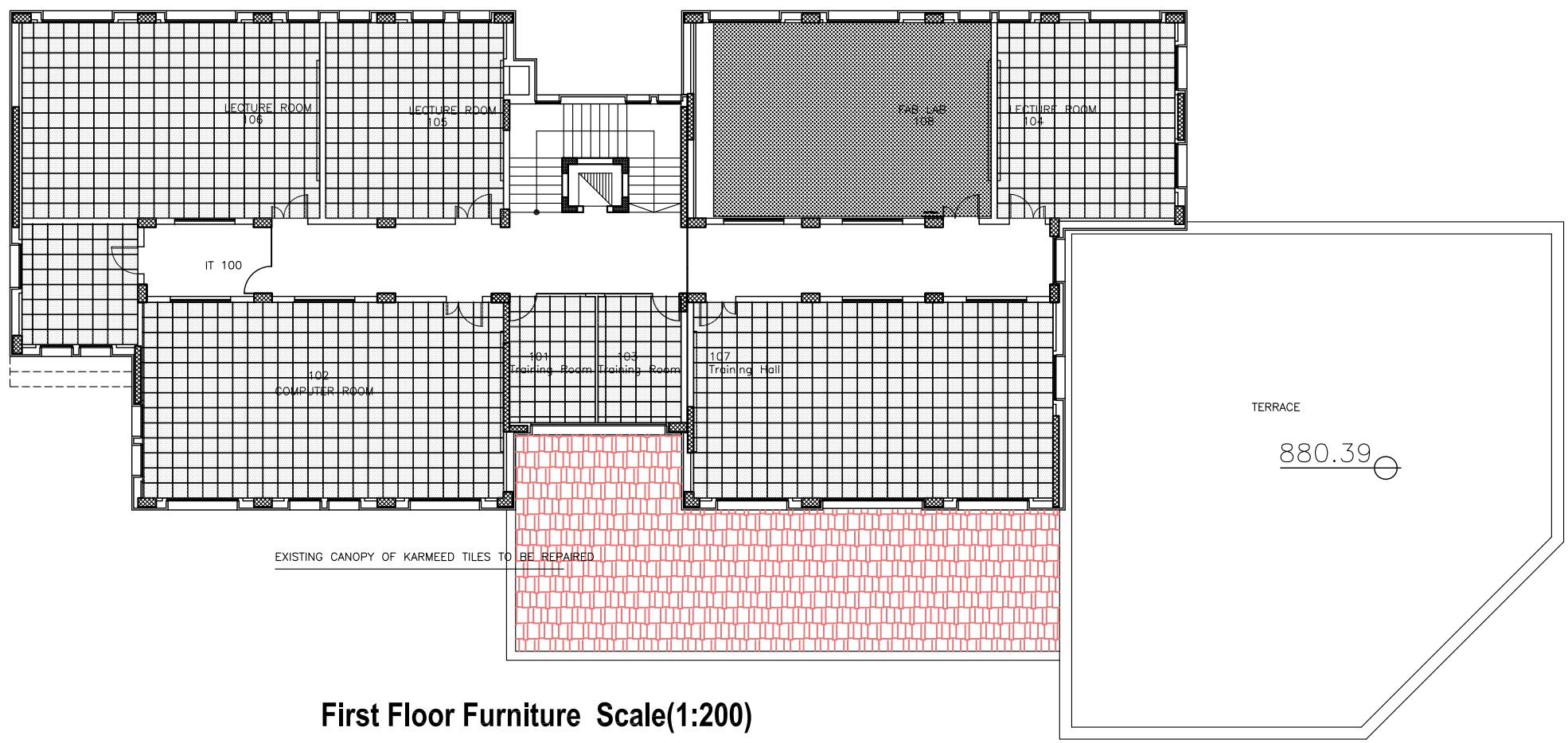
**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
**FIRST FLOOR PLAN TILLING**

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

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**Consulting Engineers**  
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<b>DESIGNED</b>	Arif. A. ZAGHA	<b>SCALE</b>	1:200
<b>CHECKED</b>	Arif. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arif. A. ZAGHA	<b>DRG. No.</b>	<b>A-104</b>
<b>DRAWN</b>	AUTO-CAD		



**First Floor Furniture Scale(1:200)**

- Patterned Tufted Carpet Textile Tile 50x50x8.6mm
- Noraplan Carpet Rol 52x2mm thick

**Maintenance work**

First Floor

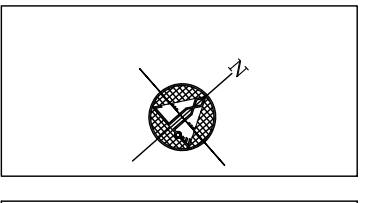
01	Adding a UPS power panel and connecting cables to it
02	Maintain all inside windows
03	Repair the walls which effected by the window leakage with paint
04	Expansion Joint to be repaired
05	All White Boards to be Changed by new one
06	All Curtain of Windows to be Changed by new one
07	All Walls, Wooden Doors and Frames to be repainted
08	FALSE CEILING TO BE ADDED TO FAB LAB
09	IN THE FAB LAB THE BACK & THE EXTERNAL WALLS TO BE COVERED BY GYPSUM BOARD



North West Elevation Scale(1:200)

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**LEGEND**

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- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

Maintenance work	
North West Elevation	
01	Supply and install galvanized steel rainwater pipe for A.C drain
02	Close all holes on the wall from A.C unites
03	Maintain all windows
04	Repair staircase elevation
05	Expansion Joint to be Repaired
06	Existing Pink Stone to be Repaired and Re-pointed.

**OWNER:** STATE OF PALESTINE

MINISTRY OF EDUCATION  
D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**

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Belgian Development Agency

**FUNDED BY:**

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partner in development

**PROJECT NAME:**  
Public Services Contract for the "Rehabilitation Works And Creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET" PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
NORTH WEST elevation  
MAINTENANCE WORK

**LOCATION:**  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

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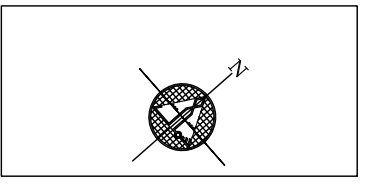
<b>DESIGNED</b>	Arch. A. ZAGHA	<b>SCALE</b>	1:200
<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	JUNE 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	A-301
<b>DRAWN</b>	AUTO-CAD		



South East Elevation Scale(1:200)

**NOTES: -**

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**LEGEND**

SECTION NUMBER  
REFERENCE SHEET NUMBER

DETAIL NUMBER  
REFERENCE SHEET NUMBER

FLOOR FINISH LEVEL  
FLOOR CONCRETE LEVEL

LEVEL SIGN IN PLAN

WINDOW NUMBER  
REFERENCE SHEET NUMBER

DOOR NUMBER  
REFERENCE SHEET NUMBER

RC CONCRETE FOR COL.  
RC CONCRETE FOR WALLS  
CONCRETE  
STONE WALL  
HOLLOW BLOCKS  
INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

Maintenance work	
North West Elevation	
01	Supply and install galvanized steel rainwater pipe for A.C drain
02	Close all holes on the wall from A.C unites
03	Maintain all windows
04	Existing Canopy of Karmeed Tiles to Rehabilitated

**OWNER:** STATE OF PALESTINE

MINISTRY OF EDUCATION  
D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**

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ENABEL  
Belgian Development Agency

**FUNDED BY:**

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partner in development

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NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
SOUTH EAST ELEVATION  
MAINTENANCE WORK

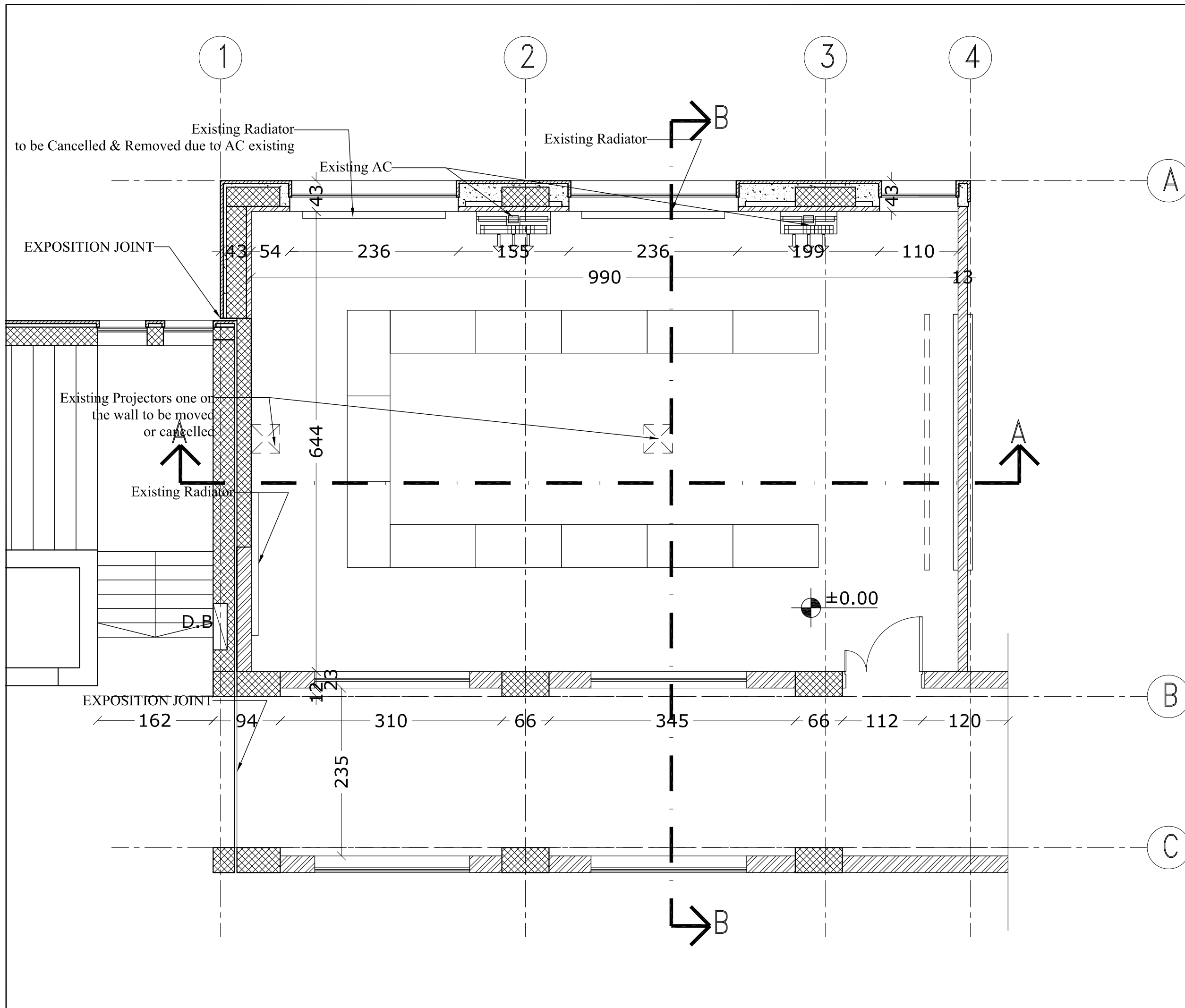
**LOCATION:**  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

**مستشارين | مستشاريون**  
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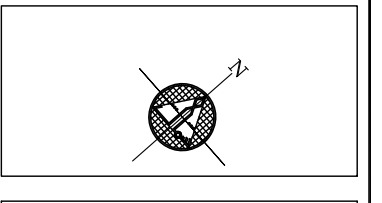
<b>DESIGNED</b>	Arch. A. ZAGHA	<b>SCALE</b>	1:200
<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	JUNE 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	A-302
<b>DRAWN</b>	AUTO-CAD		





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	DETAIL NUMBER REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL FLOOR CONCRETE LEVEL
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	WINDOW NUMBER REFERENCE SHEET NUMBER
	DOOR NUMBER REFERENCE SHEET NUMBER
	RC CONCRETE FOR COL. RC CONCRETE FOR WALLS CONCRETE STONE WALL HOLLOW BLOCKS INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE  
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 D.G. BUILDINGS

PROJECT NO: 2403/2024  
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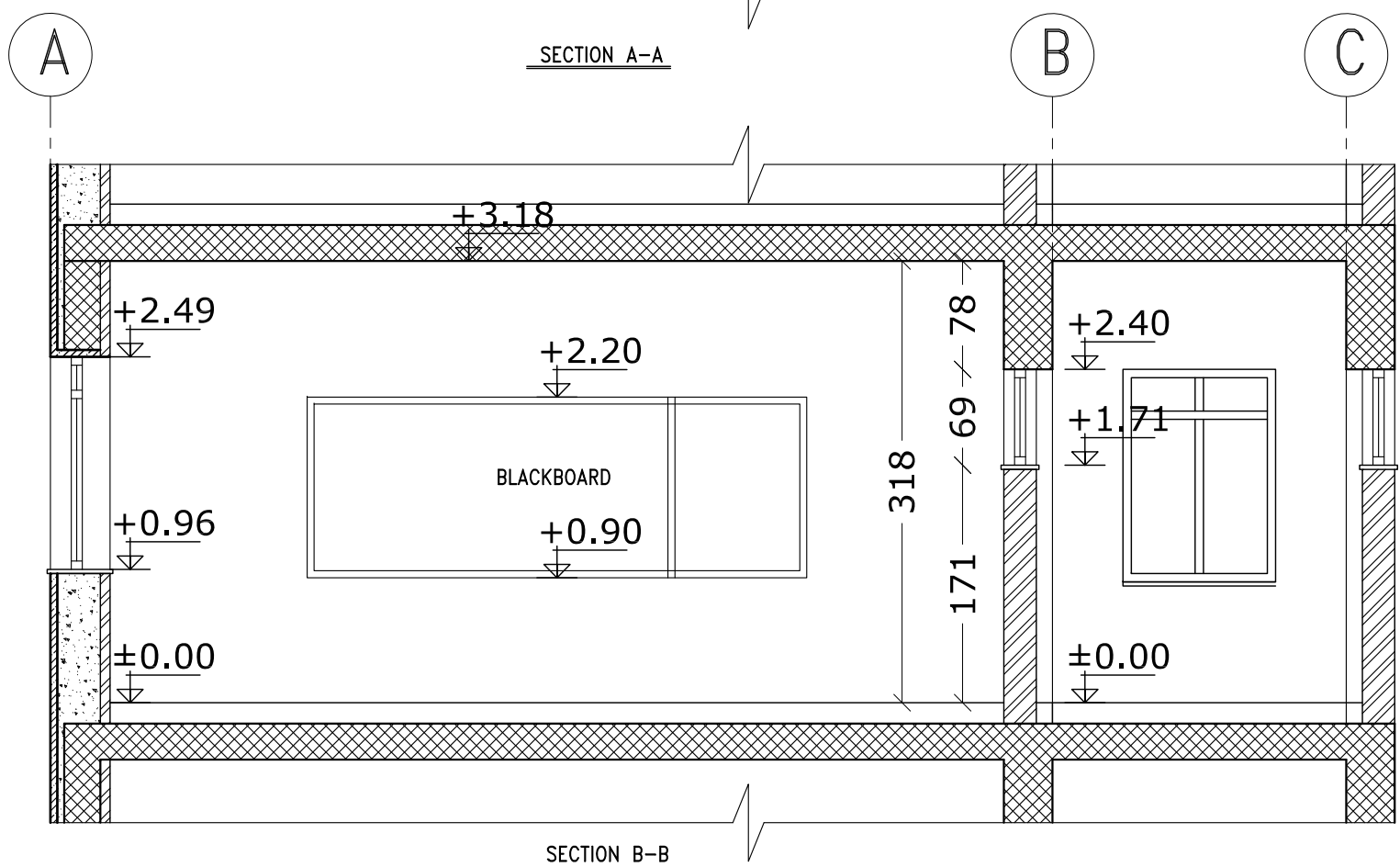
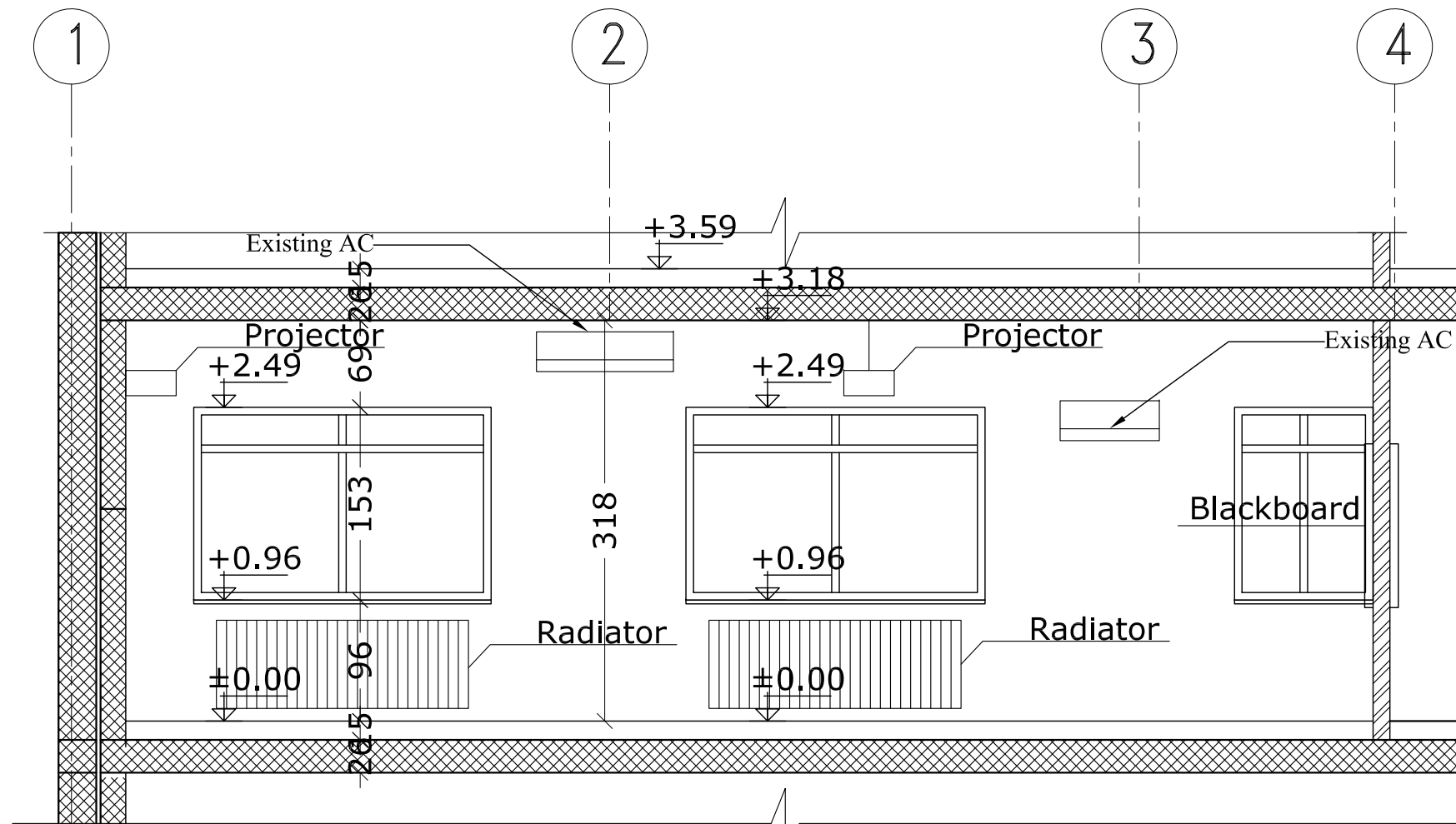
PROJECT NAME:  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

SHEET NAME:  
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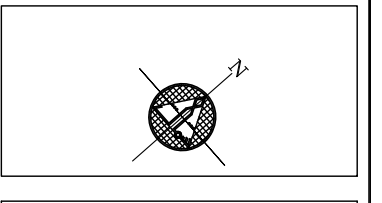
LOCATION:  
 CITY: AL-BIREH GOVERNORATE: RAMADAN  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

Madar Consulting Engineers  
 مهندسون | استشاريون  
 REGISTRATION No. 02  
 AL-BIREH - PALESTINE  
 TEL: 02-2952022 / 2953145 FAX: 02-2406157  
 E-mail: madar@madar-consulting.com P.O.BOX 3559

DESIGNED	Arch. A. ZAGHA	SCALE	1:50
CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-01
DRAWN	AUTO CAD		



- NOTES:-**
- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
  - ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
  - EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
  - ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
  - FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
  - ALL WIN. HAVE STEEL PROTECTION



**LEGEND**

	SECTION NUMBER REFERENCE SHEET NUMBER
	DETAIL NUMBER REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL FLOOR CONCRETE LEVEL
	LEVEL SIGN IN PLAN
	WINDOW NUMBER REFERENCE SHEET NUMBER
	DOOR NUMBER REFERENCE SHEET NUMBER
	RC CONCRETE FOR COL. RC CONCRETE FOR WALLS CONCRETE STONE WALL HOLLOW BLOCKS INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

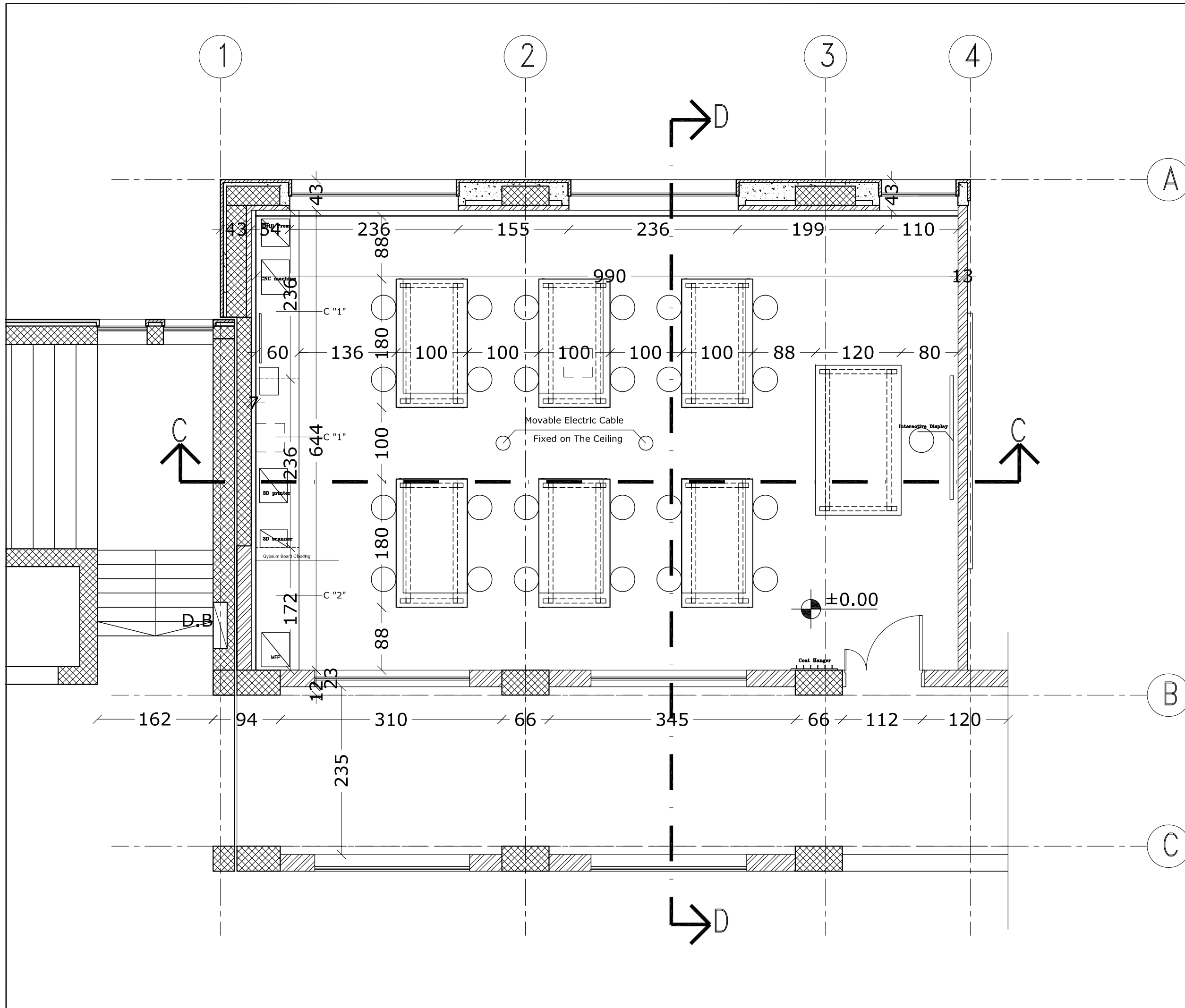
**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
 SECTIONS A-A & B-B  
 AS BUILT

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

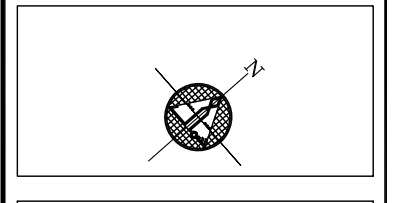
**مادار**  
 Consulting Engineers مهندسون | استشاريون  
 REGISTRATION No. 02 AL-BIREH - PALESTINE  
 TEL: 02-2952022 / 2953145 FAX: 02-2406157  
 E-mail: mada@madar-consulting.com P.O.BOX 3559

<b>DESIGNED</b>	Arch. A. ZAGHA	<b>SCALE</b>	1:50
<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	AD-02
<b>DRAWN</b>	AUTO CAD		



**NOTES: -**

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
- ALL WIN. HAVE STEEL PROTECTION



**LEGEND**

	SECTION NUMBER REFERENCE SHEET NUMBER
	DETAIL NUMBER REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL FLOOR CONCRETE LEVEL
	LEVEL SIGN IN PLAN
	WINDOW NUMBER REFERENCE SHEET NUMBER
	DOOR NUMBER REFERENCE SHEET NUMBER
	RC CONCRETE FOR COL. RC CONCRETE FOR WALLS CONCRETE STONE WALL HOLLOW BLOCKS INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

PROJECT NO: 2403/2024  
 CONTRACTING AUTHORITY:  
**Enabel**  
 ENABEL  
 Belgian Development Agency  
 FUNDED BY:  
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PROJECT NAME:  
 DESIGN, SUPERVISION & REHABILITATION WORKS  
 AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
 TRAINING (NIET) - RAMALLAH  
 PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

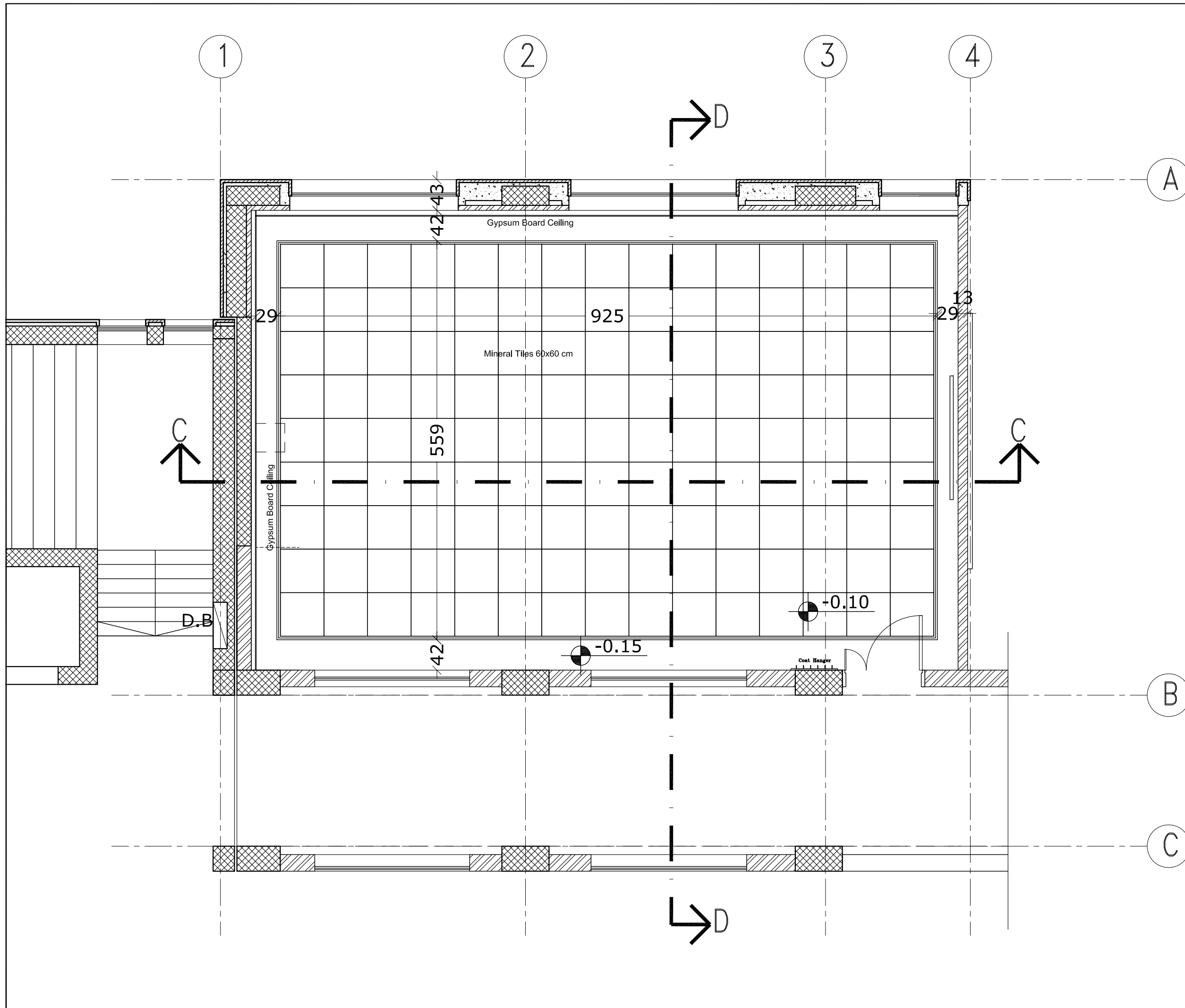
SHEET NAME:  
**PROPOSED TECHNICAL LABORATORY  
 LAYOUT PLAN**

LOCATION:  
 CITY: AL-BIREH SOVEREIGNTY: RAMALLAH / EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

**مستشارين | مستشاريون**  
 Consulting Engineers  
 REGISTRATION No. 02  
 AL-BIREH - PALESTINE  
 TEL: 02-2952022 / 2953145 FAX: 02-2406157  
 E-mail: madar@madar-consulting.com P.O.BOX 3559

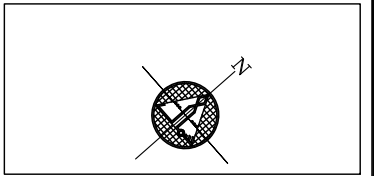
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CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-03
DRAWN	AUTO-CAD		





**NOTES:-**

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
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- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
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**LEGEND**

	SECTION NUMBER REFERENCE SHEET NUMBER
	DETAIL NUMBER REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL FLOOR CONCRETE LEVEL
	LEVEL SIGN IN PLAN
	WINDOW NUMBER REFERENCE SHEET NUMBER
	DOOR NUMBER REFERENCE SHEET NUMBER
	RC CONCRETE FOR COL. RC CONCRETE FOR WALLS CONCRETE STONE WALL HOLLOW BLOCKS INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS  
 PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:  
**Enabel**  
 ENABEL  
 Belgian Development Agency

FUNDED BY:  
 \DGD\_logo\_EN\_CMYK\_1200dpi\_white.png

PROJECT NAME:  
 DESIGN, SUPERVISION & REHABILITATION WORKS  
 AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
 TRAINING (NIET) - RAMALLAH  
 PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

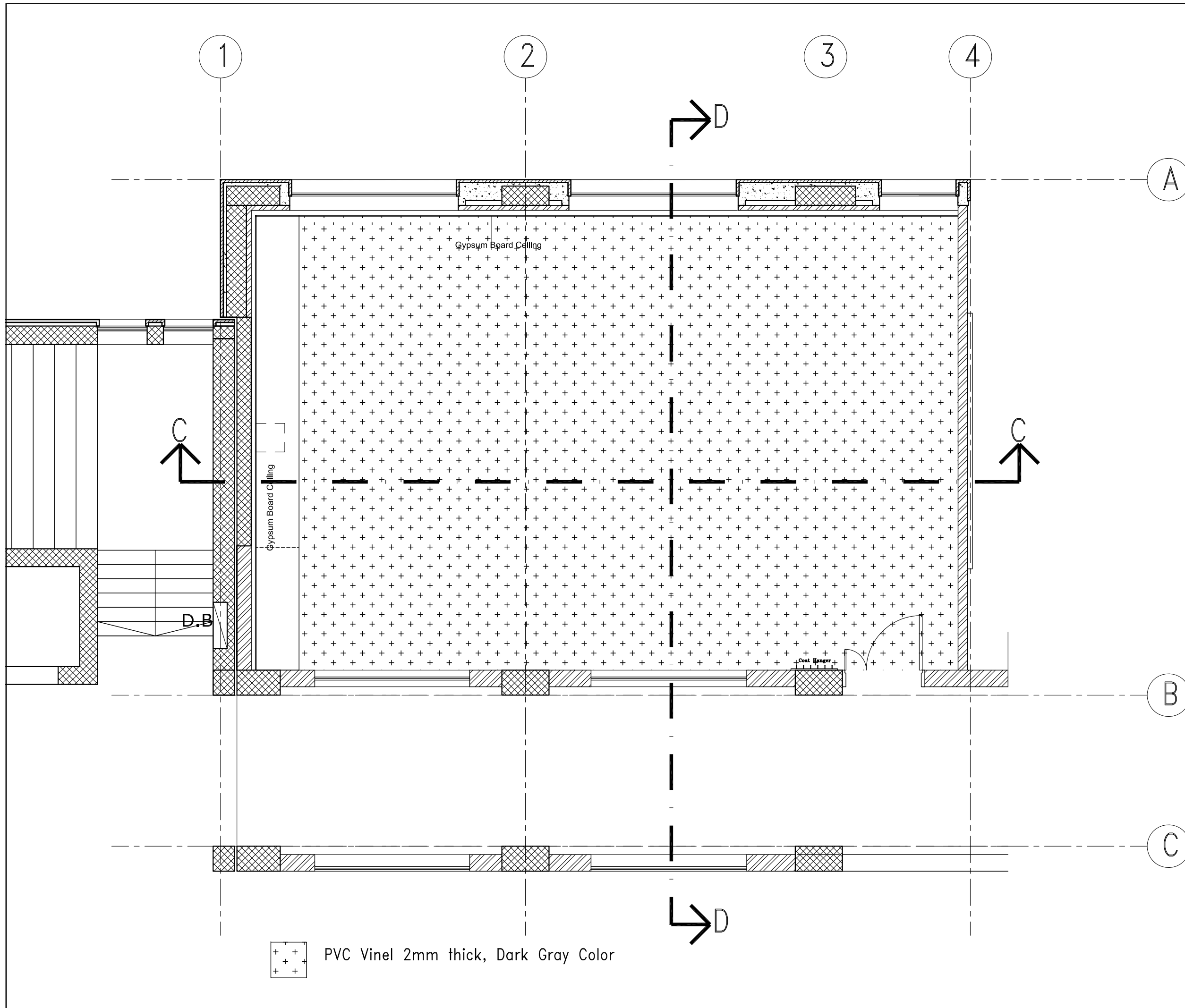
SHEET NAME:  
 PROPOSED TECHNICAL LABORATORY  
 SUSPENDED CEILING

LOCATION:  
 CITY: AL-BIREH SOVEREIGNTY: RAMALLAH / EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

**مهندسون | مستشاريون**  
 Consulting Engineers  
 REGISTRATION No. 02  
 AL-BIREH - PALESTINE  
 TEL: 02-2952022 / 2953145 FAX: 02-2406157  
 E-mail: madsar@madsar-consulting.com P.O.BOX 3559

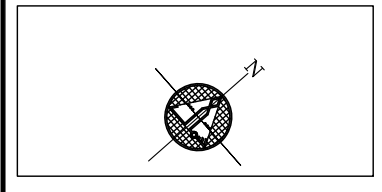
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CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-05
DRAWN	AUTO CAD		





**NOTES: -**

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**LEGEND**

	SECTION NUMBER	REFERENCE SHEET NUMBER
	DETAIL NUMBER	REFERENCE SHEET NUMBER
	FLOOR FINISH LEVEL	
	FLOOR CONCRETE LEVEL	
	LEVEL SIGN IN PLAN	
	WINDOW NUMBER	REFERENCE SHEET NUMBER
	DOOR NUMBER	REFERENCE SHEET NUMBER
	RC CONCRETE FOR COL.	
	RC CONCRETE FOR WALLS	
	CONCRETE	
	STONE WALL	
	HOLLOW BLOCKS	
	INSULATION MATERIAL	

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024  
**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
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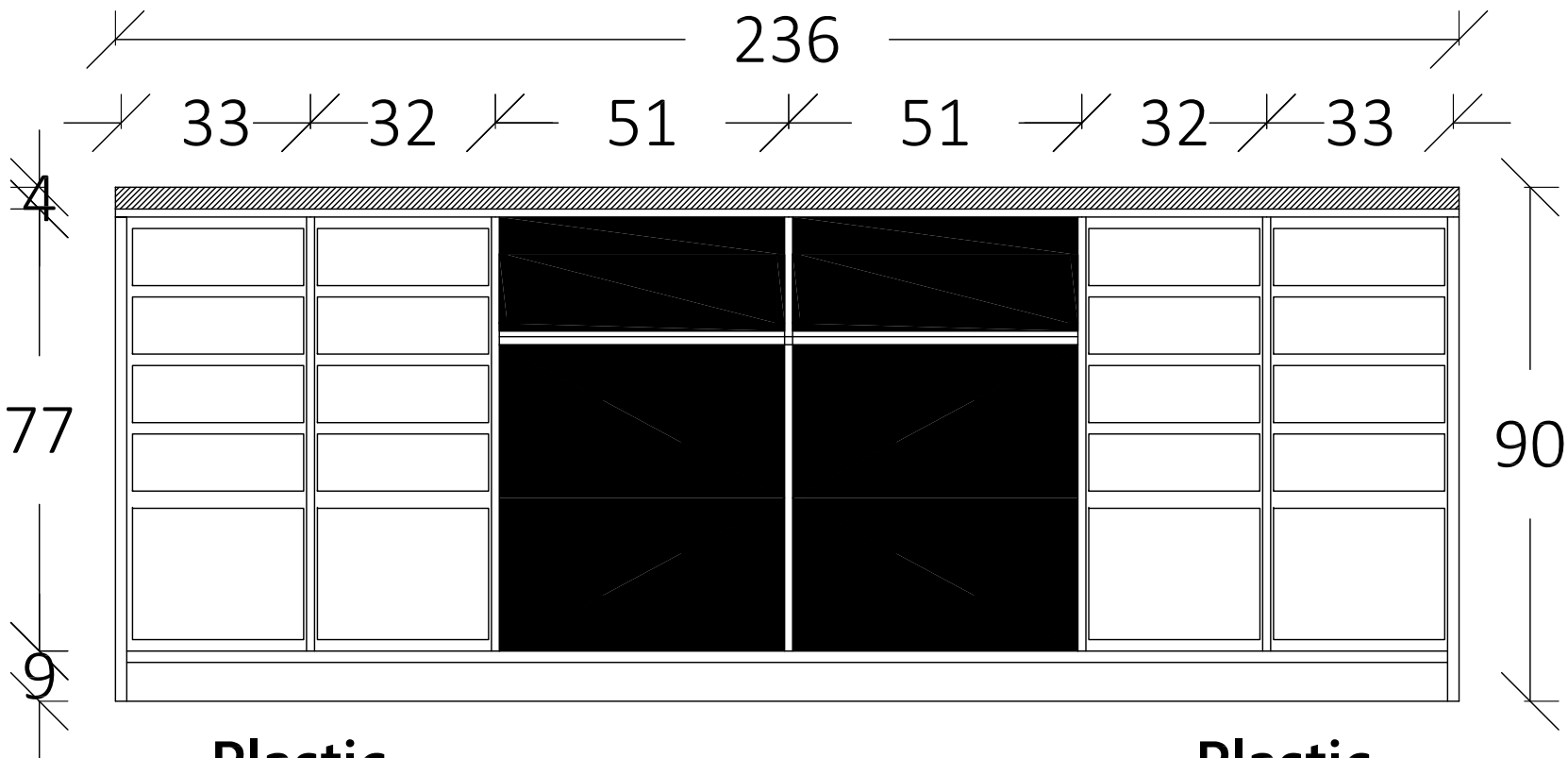
**PROJECT NAME:**  
 DESIGN, SUPERVISION & REHABILITATION WORKS  
 AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
 TRAINING (NIET) - RAMALLAH  
 PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

**SHEET NAME:**  
 PROPOSED TECHNICAL LABORATORY  
 TILLING

**LOCATION:**  
 CITY: AL-BIREH SOVEREIGNTY / RAMALLAH / EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER / LOCATION: KHALET AL-AMYA

**مادار**  
 Consulting Engineers مهندسون | استشاريون  
 REGISTRATION No. 02  
 AL-BIREH - PALESTINE  
 TEL: 02-2952022 / 2953145 FAX: 02-2406157  
 E-mail: mada@madar-consulting.com P.O.BOX 3559

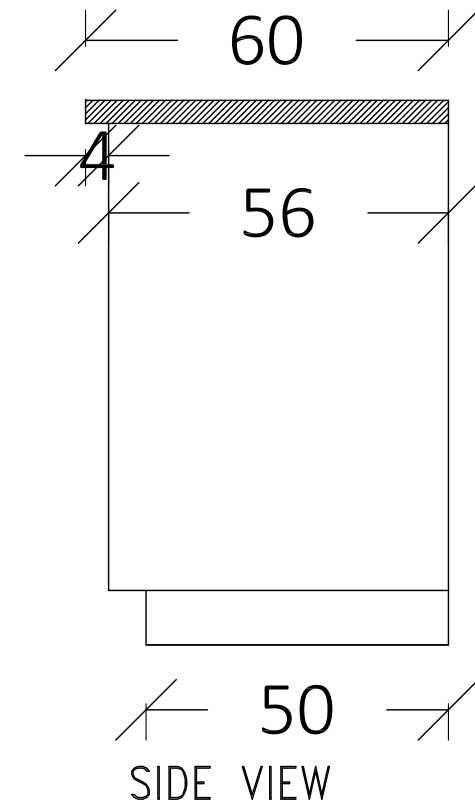
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<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	AD-06
<b>DRAWN</b>	AUTO CAD		



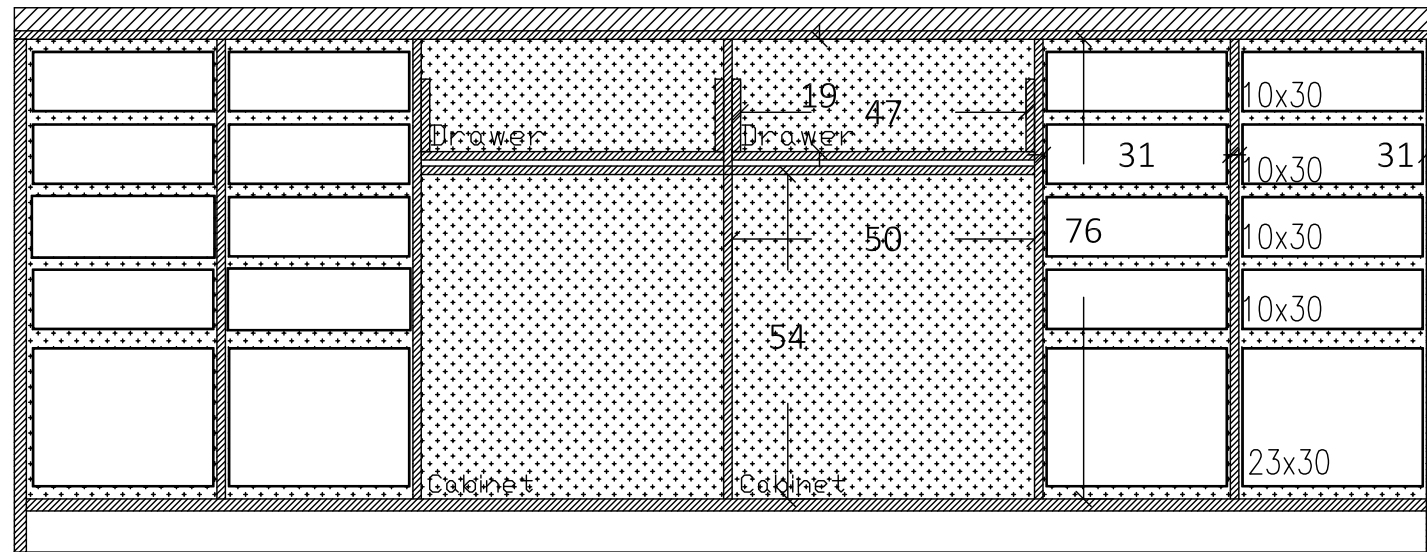
Plastic  
Removable  
Shelves

FRONT VIEW

Plastic  
Removable  
Shelves



SIDE VIEW

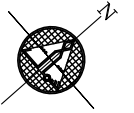


8 Small Plastic Removal Drawers 10x30cm - on each side  
2 Medium Plastic Removal Drawers 23x30cm - on each side

FRONT VIEW

NOTES:-

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
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LEGEND

- SECTION NUMBER REFERENCE SHEET NUMBER
- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

REVISIONS

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



MINISTRY OF EDUCATION  
D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:



FUNDED BY:

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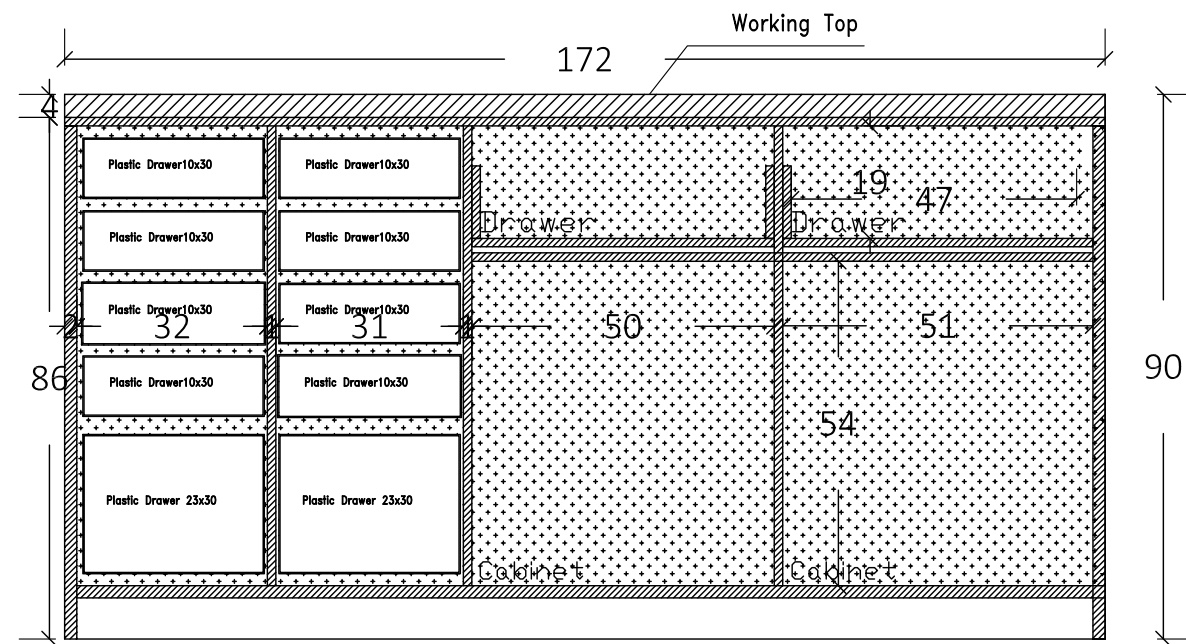
PROJECT NAME:  
DESIGN, SUPERVISION & REHABILITATION WORKS  
AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
TRAINING (NIET) - RAMALLAH  
PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

SHEET NAME:  
CABINET "1"  
DETAIL "1"

LOCATION:  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

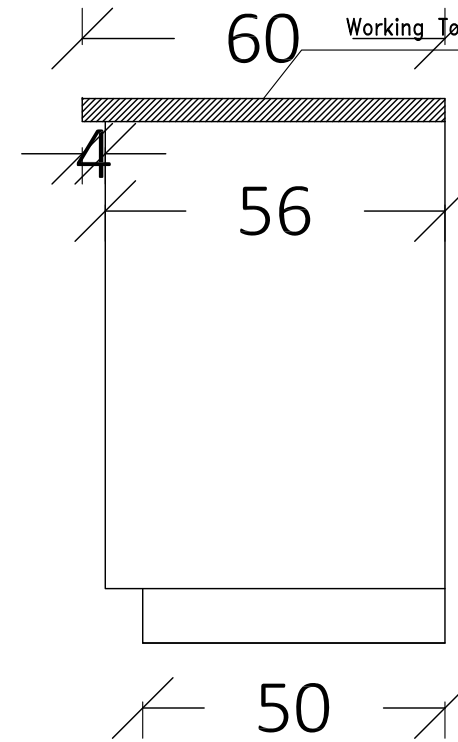


DESIGNED	Arch. A. ZAGHA	SCALE	1:25
CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-07
DRAWN	AUTO-CAD		



8 Small Plastic Removal Drawers 10x30cm - on one each side  
2 Medium Plastic Removal Drawers 23x30cm - on other side

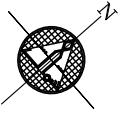
FRONT VIEW



SIDE VIEW

NOTES:-

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LEGEND

- SECTION NUMBER REFERENCE SHEET NUMBER
- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

REVISIONS

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



MINISTRY OF EDUCATION  
D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:



FUNDED BY:

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PROJECT NAME:  
DESIGN, SUPERVISION & REHABILITATION WORKS  
AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
TRAINING (NIET) - RAMALLAH  
PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

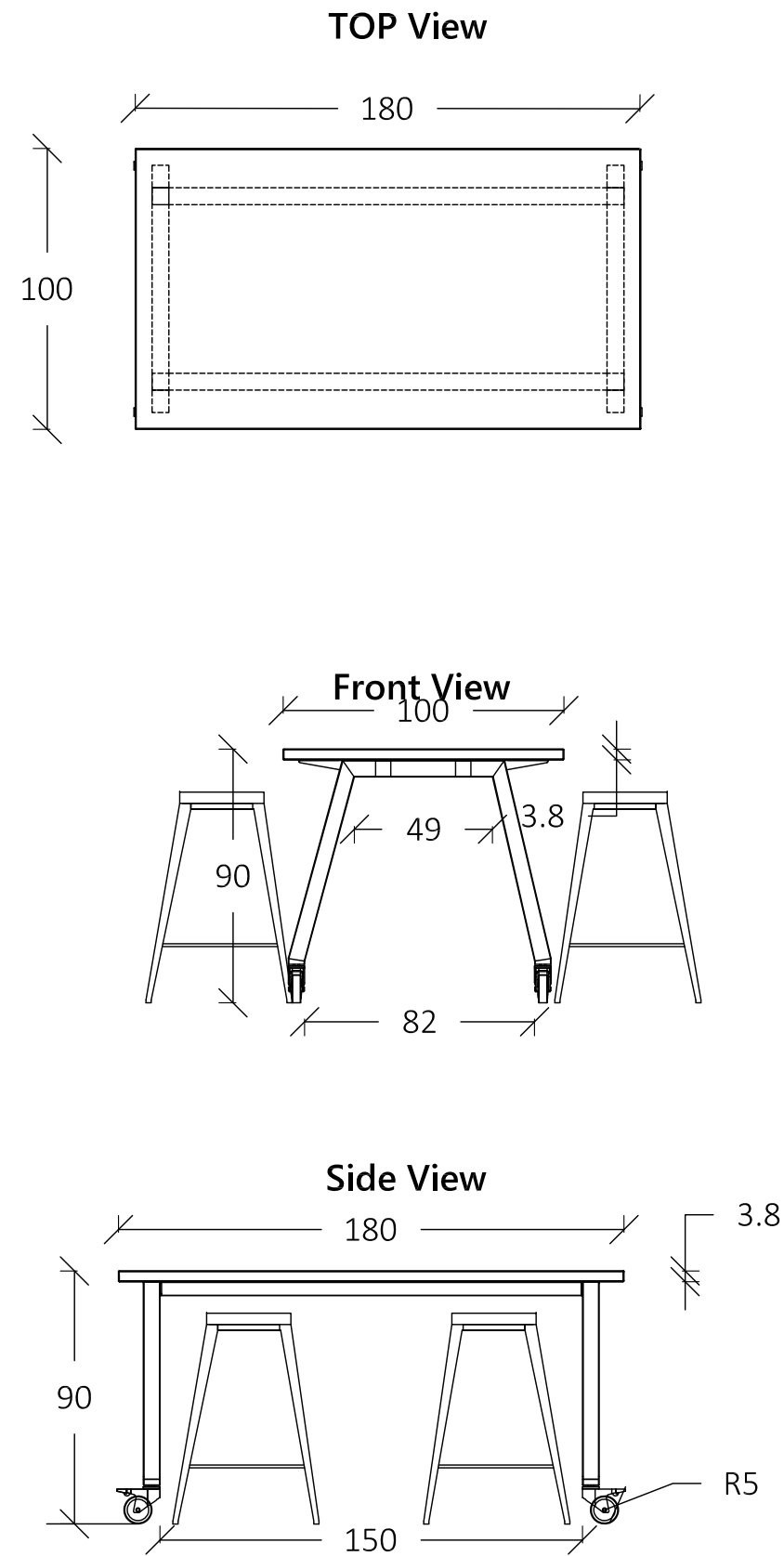
SHEET NAME:  
CABINET "2"  
DETAIL "1"

LOCATION:  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

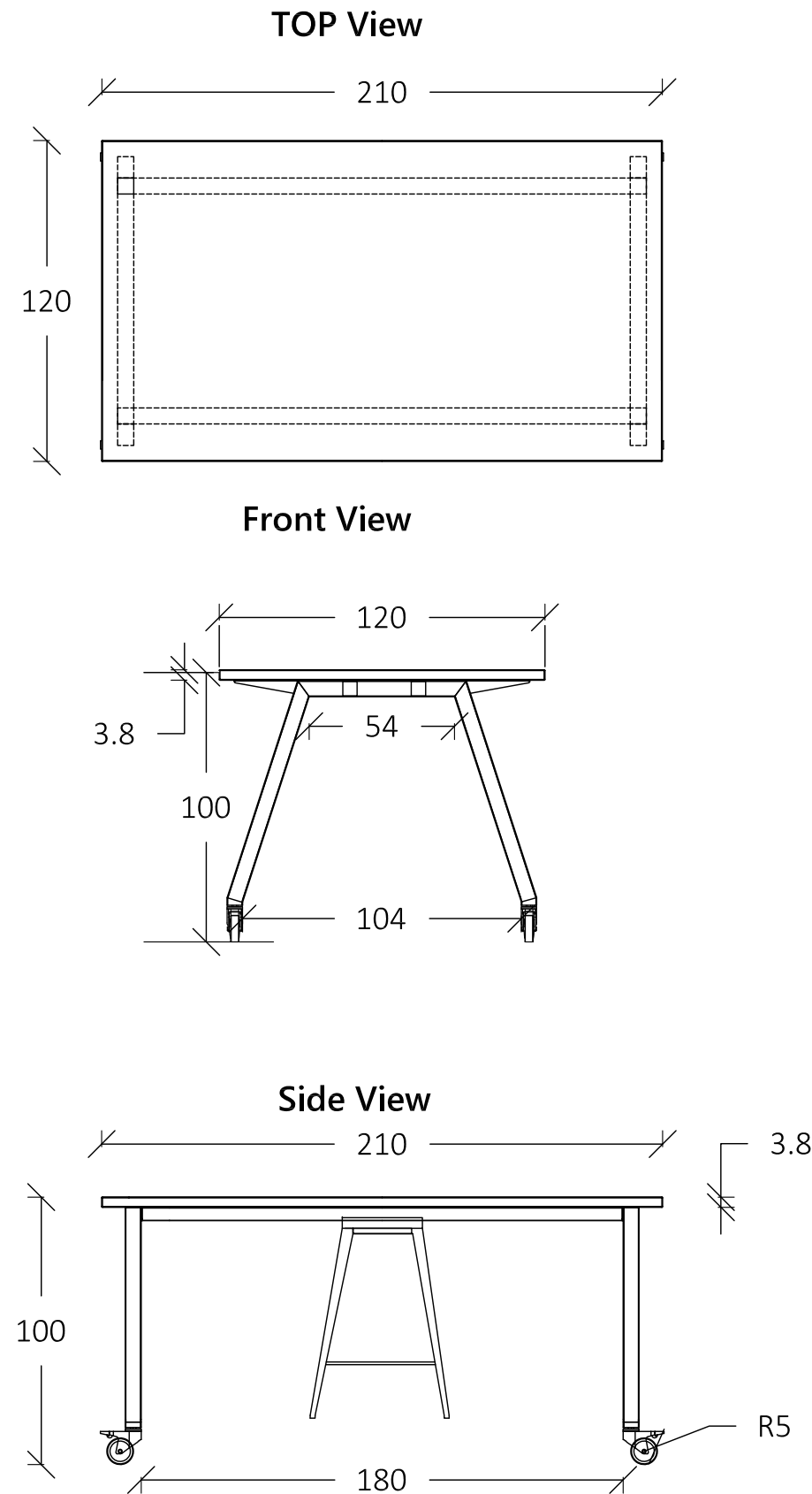


DESIGNED	Arch. A. ZAGHA	SCALE	1:25
CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-07*
DRAWN	AUTO CAD		

# Detail Drawing of Student Workstation

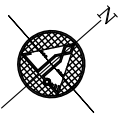


# Detail Drawing of Teacher Station



**NOTES:-**

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**LEGEND**

- SECTION NUMBER REFERENCE SHEET NUMBER
- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
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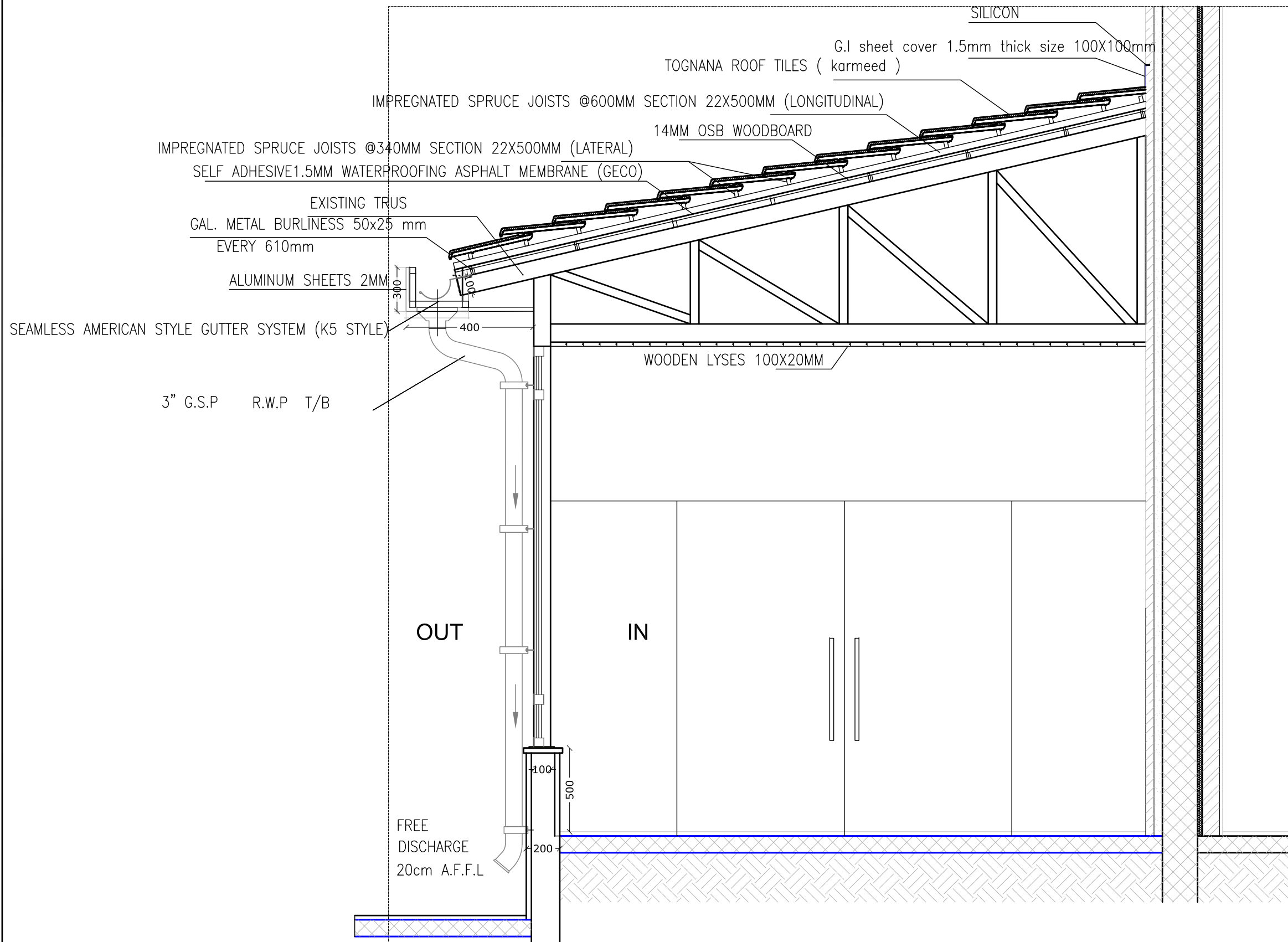
**PROJECT NAME:**  
 DESIGN, SUPERVISION & REHABILITATION WORKS  
 AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
 TRAINING (NIET) - RAMALLAH  
 PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

**SHEET NAME:**  
 WORKINGSTATIONS  
 DETAIL "1"

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

**مهندسون | مستشاريون**  
**Consulting Engineers**  
 REGISTRATION No. 02  
 AL-BIREH - PALESTINE  
 TEL: 02-2952022 / 2953145 FAX: 02-2406157  
 E-mail: madar@madar-consulting.com P.O.BOX 3559

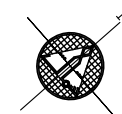
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<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	AD-08
<b>DRAWN</b>	AUTO CAD		



# ENTRANCE CANOPY DETAILS

**NOTES:-**

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
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**LEGEND**

- SECTION NUMBER REFERENCE SHEET NUMBER
- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE


**OWNER:** STATE OF PALESTINE



MINISTRY OF EDUCATION  
D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**



**ENABEL**  
Belgian Development Agency

**FUNDED BY:**

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**PROJECT NAME:**  
DESIGN, SUPERVISION & REHABILITATION WORKS  
AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
TRAINING (NIET) - RAMALLAH  
PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

**SHEET NAME:**  
DETAILS OF TILE ROOF COVERING  
FOR ENTRANCE CANOPY

**LOCATION:**  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

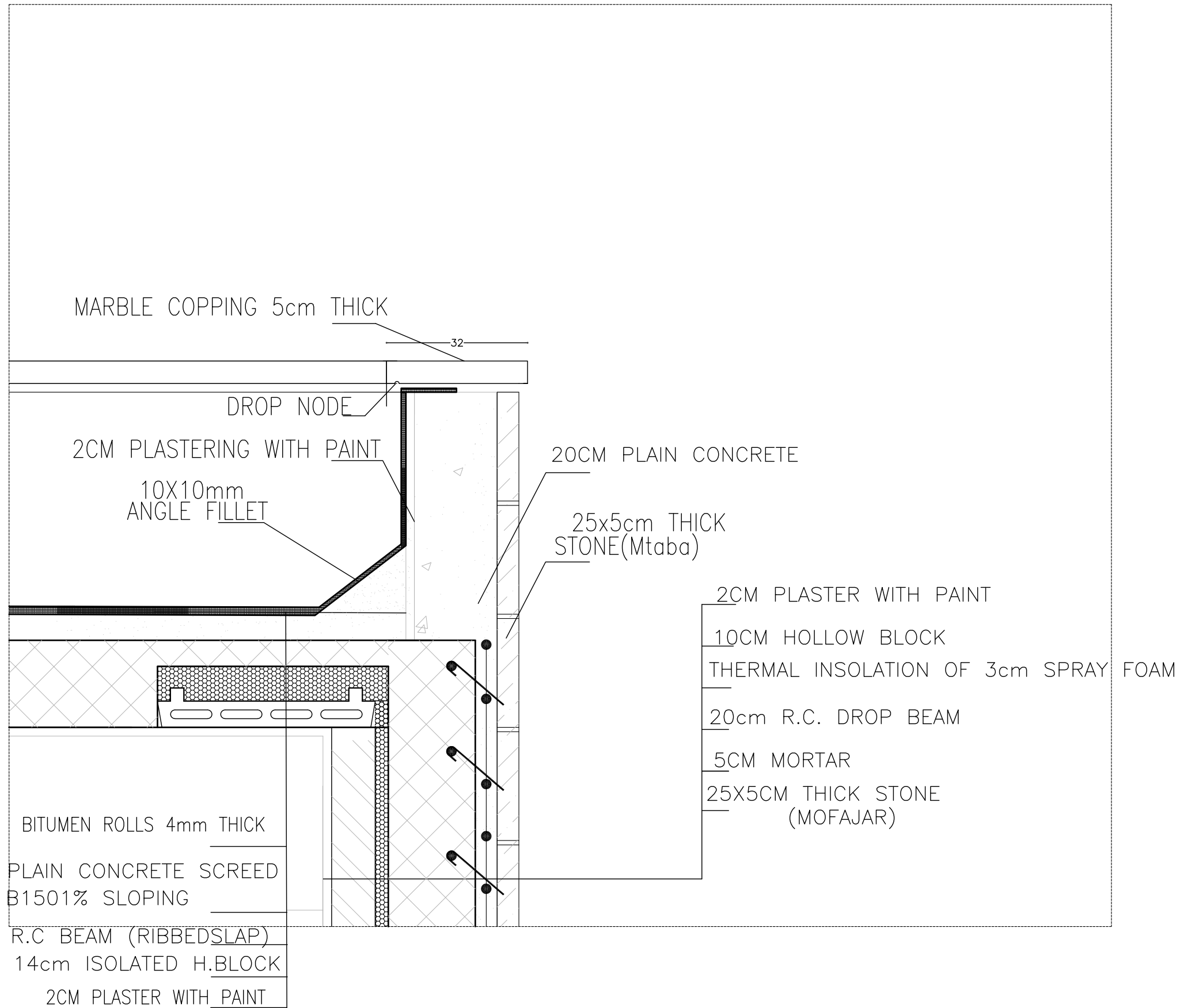


مهندسون | مستشاريون  
Consulting Engineers

REGISTRATION No. 02  
AL-BIREH - PALESTINE  
TEL: 02-2952022 / 2953145 FAX: 02-2406157  
E-mail: madar@madar-consulting.com P.O.BOX 3559

<b>DESIGNED</b>	Arch. A. ZAGHA	<b>SCALE</b>	1:25
<b>CHECKED</b>	Arch. S. HUSSEIN	<b>DATE</b>	FEBRUARY 2024
<b>APPROVED</b>	Arch. A. ZAGHA	<b>DRG. No.</b>	AD-09
<b>DRAWN</b>	AUTO CAD		



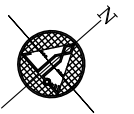


**WATERPROOF ROOF DETAIL**

SCALE 1:10

**NOTES: -**

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- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
- ALL WIN. HAVE STEEL PROTECTION



**LEGEND**

SECTION NUMBER  
REFERENCE SHEET NUMBER

DETAIL NUMBER  
REFERENCE SHEET NUMBER

FLOOR FINISH LEVEL  
FLOOR CONCRETE LEVEL

LEVEL SIGN IN PLAN

WINDOW NUMBER  
REFERENCE SHEET NUMBER

DOOR NUMBER  
REFERENCE SHEET NUMBER

RC CONCRETE FOR COL.

RC CONCRETE FOR WALLS

CONCRETE

STONE WALL

HOLLOW BLOCKS

INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



MINISTRY OF EDUCATION  
D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:



FUNDED BY:

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PROJECT NAME:  
DESIGN, SUPERVISION & REHABILITATION WORKS  
AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
TRAINING (NIET) - RAMALLAH  
PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

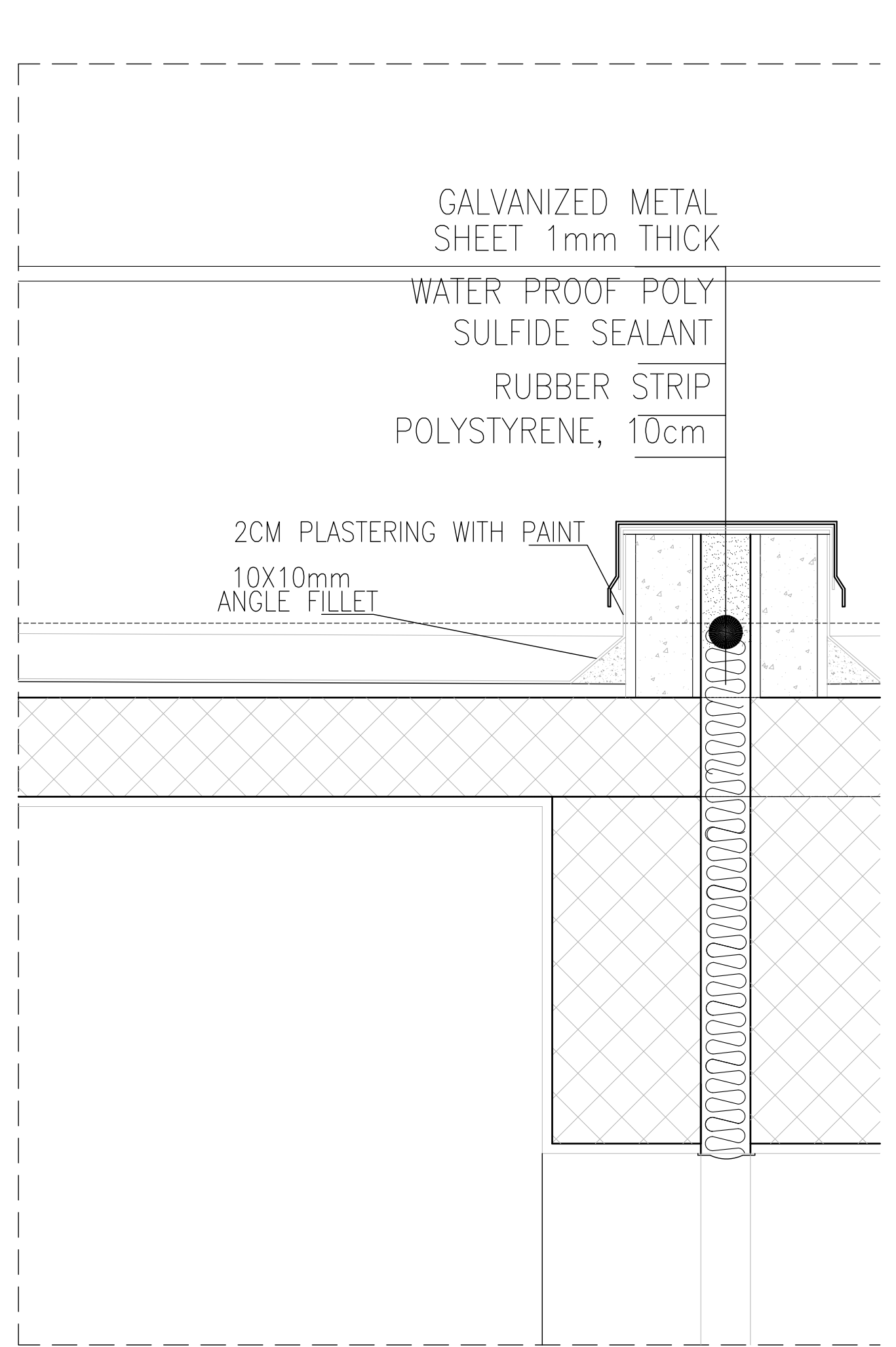
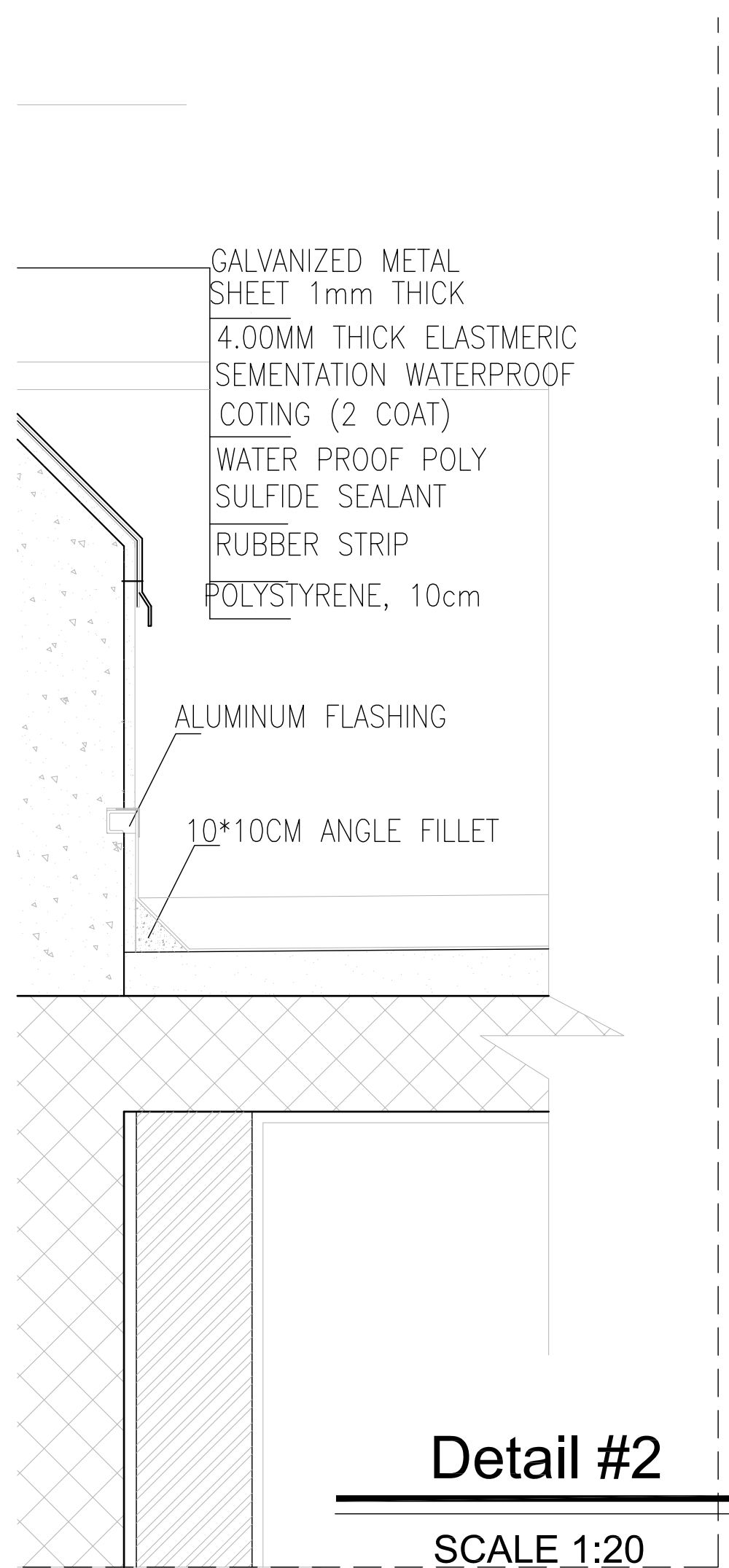
SHEET NAME:  
**DETAILS OF WATERPROOF**

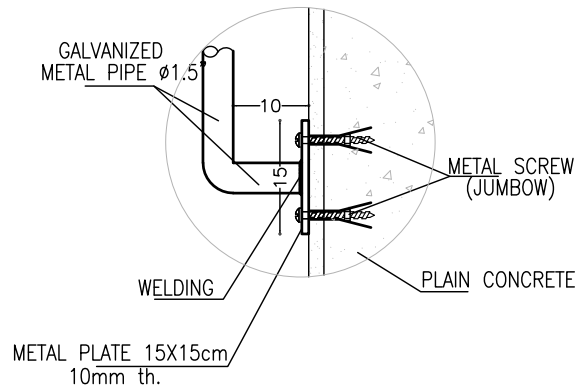
LOCATION:  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA



Consulting Engineers مهندسون | استشاريون  
REGISTRATION No. 02  
AL-BIREH - PALESTINE  
TEL: 02-2952022 / 2953145 FAX: 02-2406157  
E-mail: madar@madar-consulting.com P.O.BOX 3559

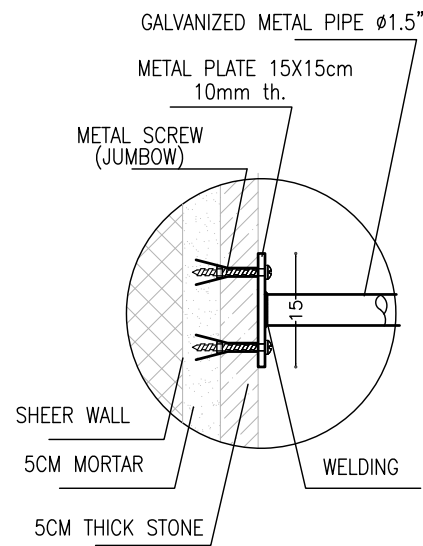
DESIGNED	Arch. A. ZAGHA	SCALE	1:25
CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-10
DRAWN	AUTO CAD		





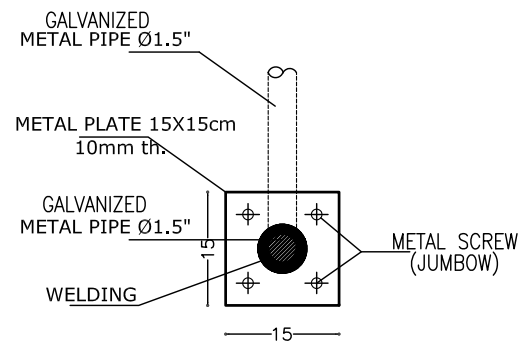
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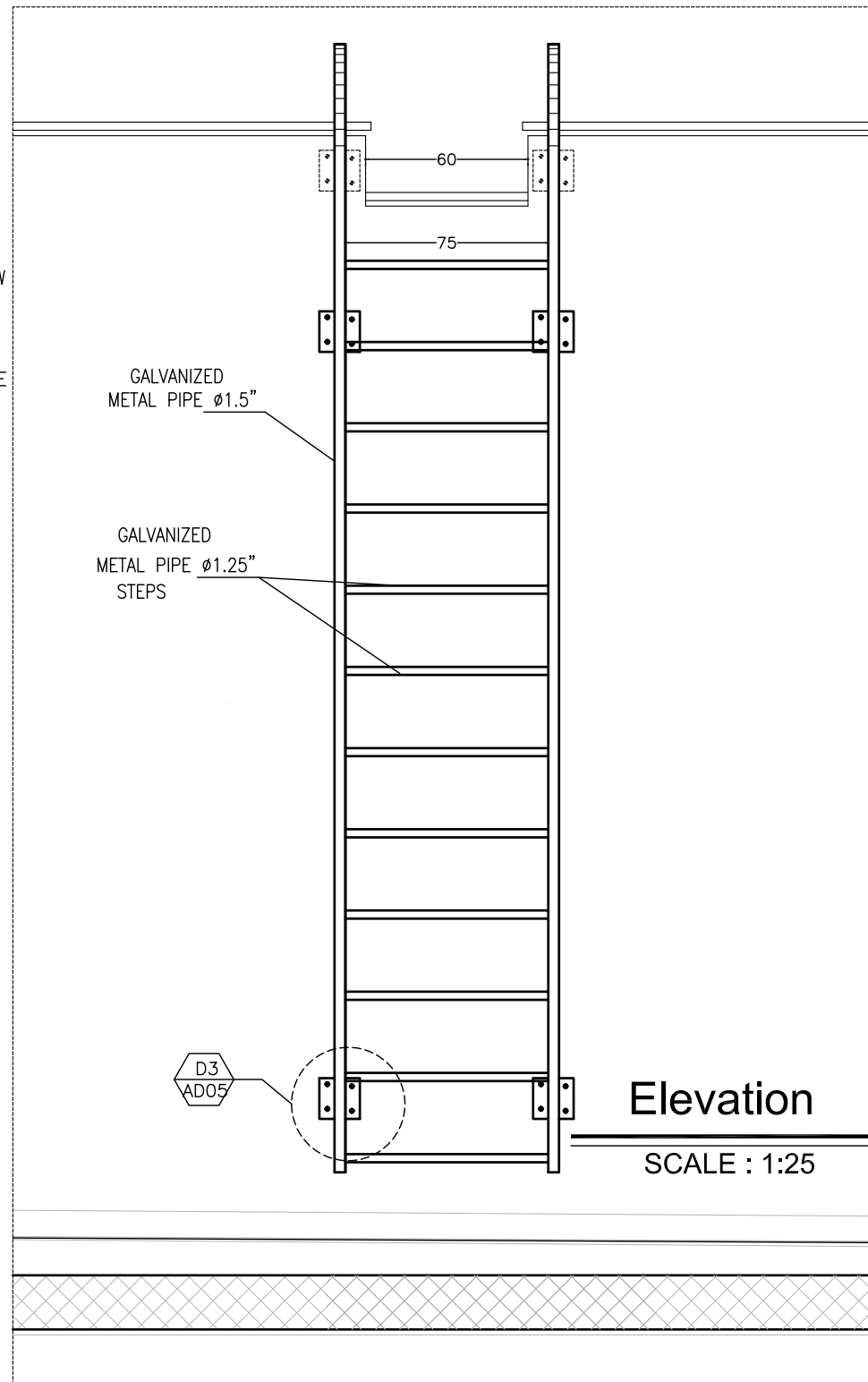
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SCALE : 1:10



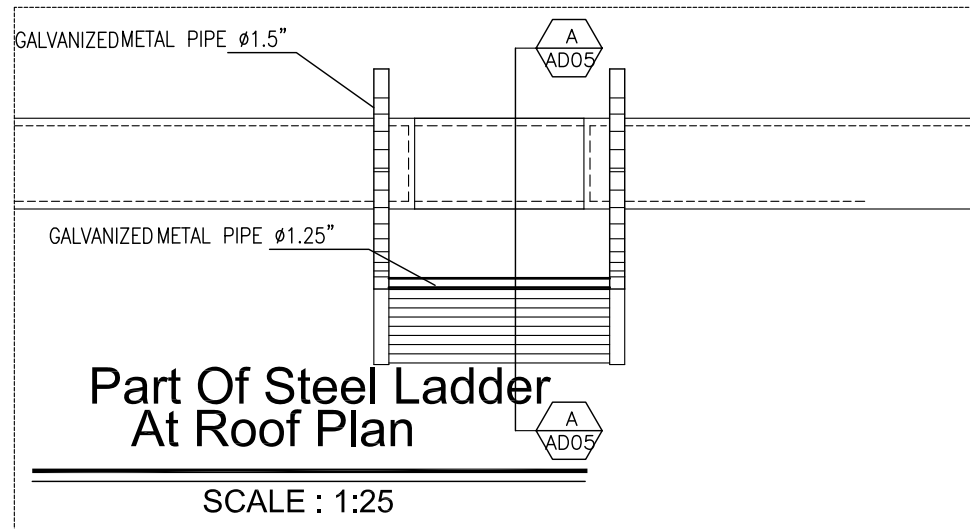
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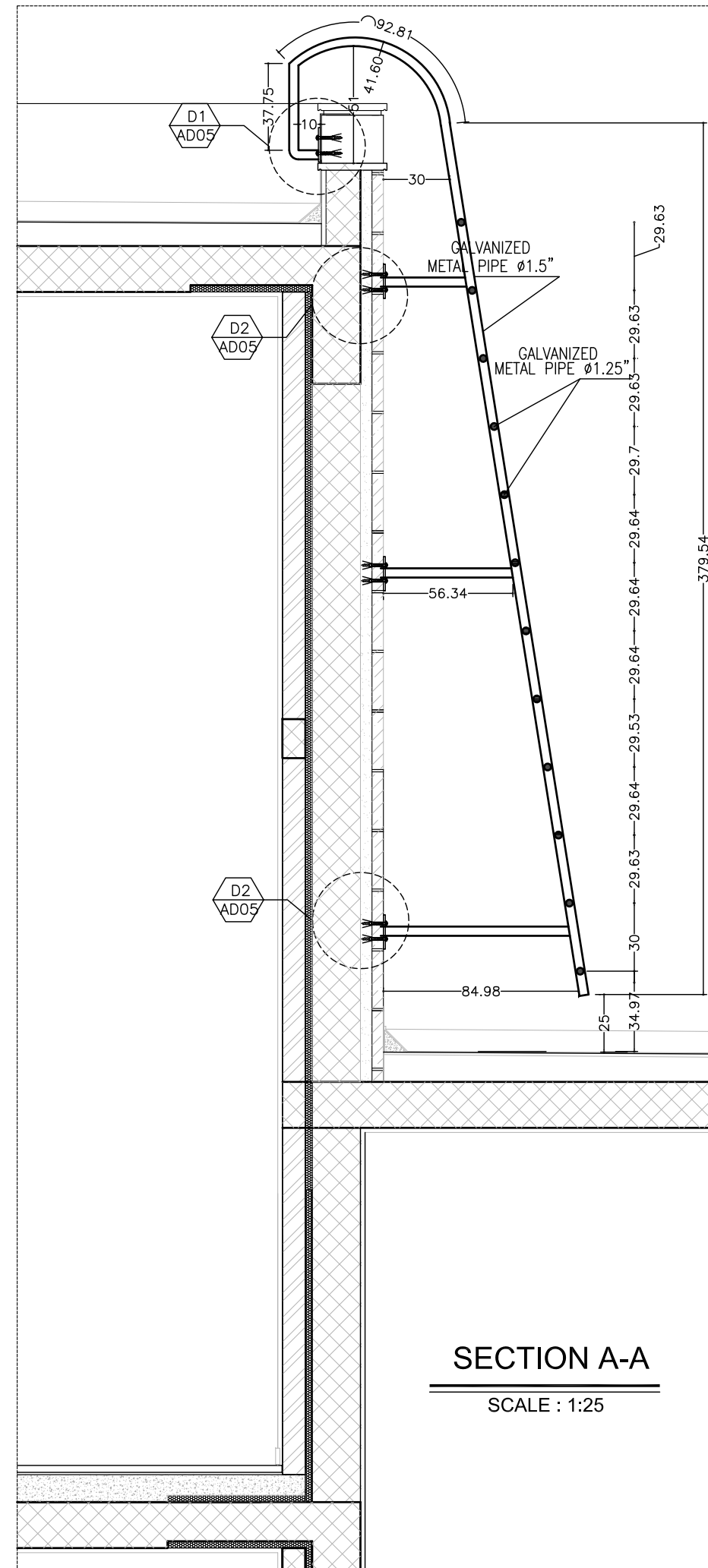
**Elevation**

SCALE : 1:25



**Part Of Steel Ladder  
At Roof Plan**

SCALE : 1:25

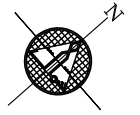


**SECTION A-A**

SCALE : 1:25

**NOTES:-**

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL
- ALL WIN. HAVE STEEL PROTECTION



**LEGEND**

- SECTION NUMBER REFERENCE SHEET NUMBER
- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

**REVISIONS**

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



MINISTRY OF EDUCATION  
D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:

**Enabel**

ENABEL  
Belgian Development Agency

FUNDED BY:

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PROJECT NAME:  
DESIGN, SUPERVISION & REHABILITATION WORKS  
AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
TRAINING (NIET) - RAMALLAH  
PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

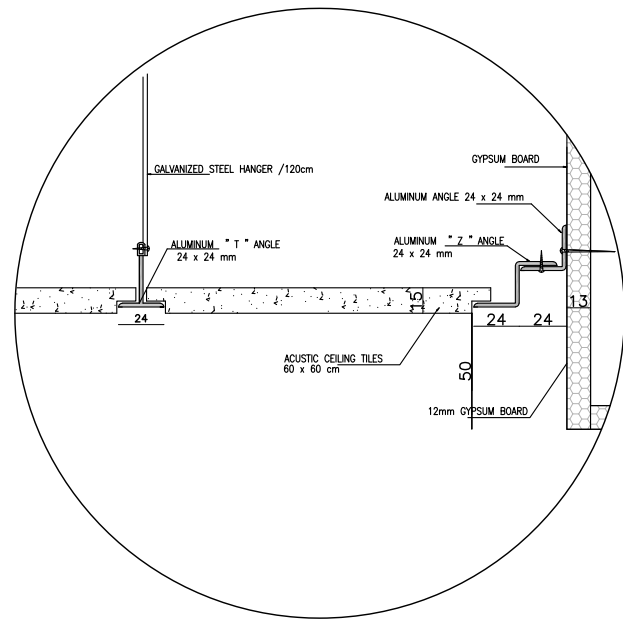
SHEET NAME:  
**DETAILS OF STEEL LADDER  
ON THE ROOF**

LOCATION:  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMT.

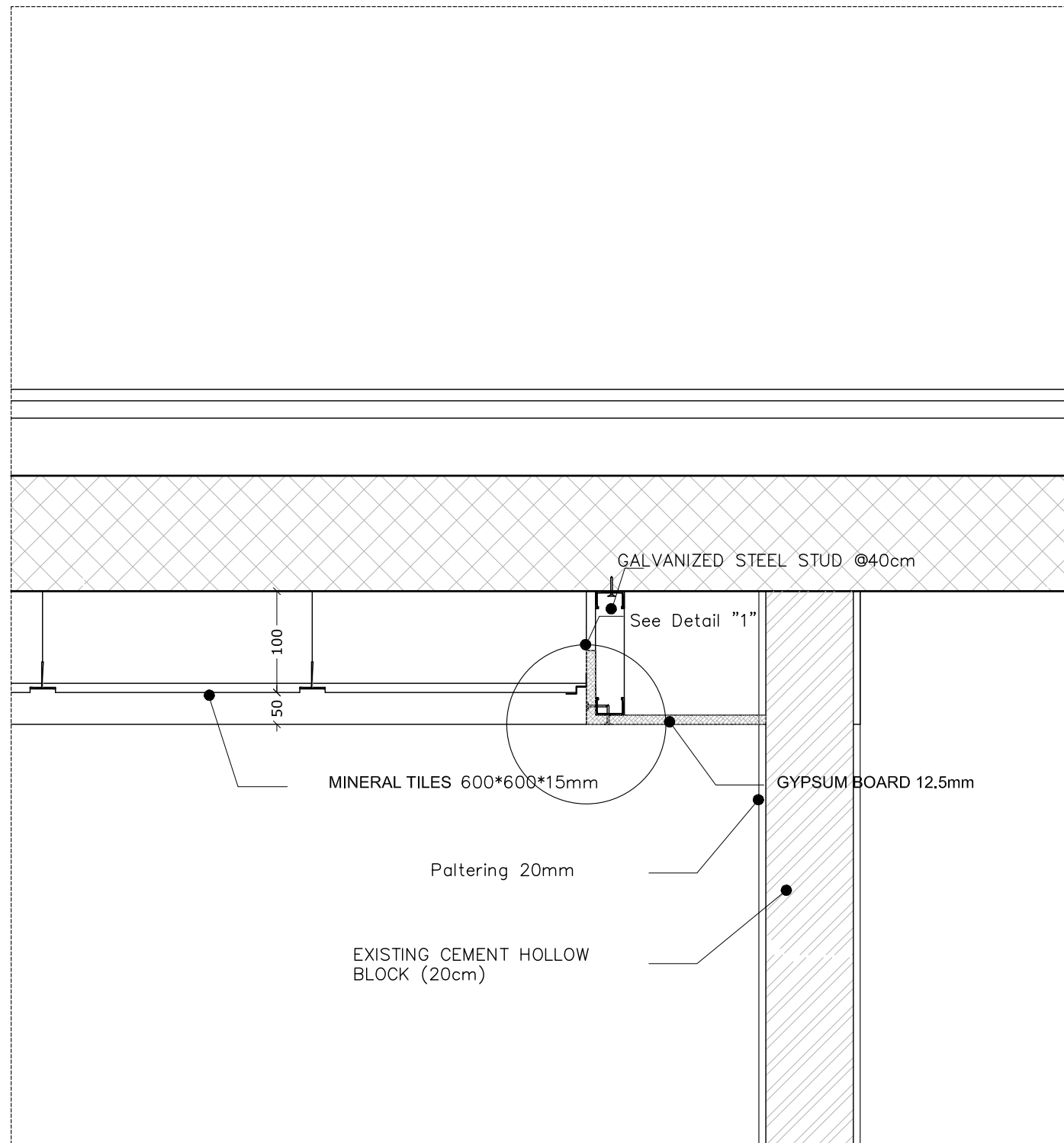
**ماداد**  
Consulting Engineers مهندسون استشاريون

REGISTRATION No. 02  
AL-BIREH - PALESTINE  
TEL: 02-2962022 / 2963145 FAX: 02-2406157  
E-mail: mada@madaconsulting.com P.O. BOX 3559

DESIGNED	Arch. A. ZAGHA	SCALE	1:25
CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-12
DRAWN	AUTO CAD		



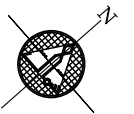
D5 FALSE CEILING DETAILS Detail "1"



D6 FALSE CEILING DETAILS (1)  
AD-06 SECTION scale 1:25

NOTES:-

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
- ALL WIN. HAVE STEEL PROTECTION



LEGEND

- SECTION NUMBER REFERENCE SHEET NUMBER
- DETAIL NUMBER REFERENCE SHEET NUMBER
- FLOOR FINISH LEVEL
- FLOOR CONCRETE LEVEL
- LEVEL SIGN IN PLAN
- WINDOW NUMBER REFERENCE SHEET NUMBER
- DOOR NUMBER REFERENCE SHEET NUMBER
- RC CONCRETE FOR COL.
- RC CONCRETE FOR WALLS
- CONCRETE
- STONE WALL
- HOLLOW BLOCKS
- INSULATION MATERIAL

REVISIONS

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



MINISTRY OF EDUCATION  
D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:



FUNDED BY:

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PROJECT NAME:  
DESIGN, SUPERVISION & REHABILITATION WORKS  
AT THE NATIONAL INSTITUTE FOR EDUCATIONAL  
TRAINING (NIET) - RAMALLAH  
PSE22001-10010\_REF\_Design & Supervision - OSC-PUB

SHEET NAME:  
FALSE CEILING DETAIL

LOCATION:  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

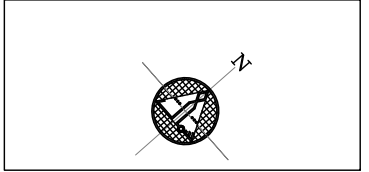


DESIGNED	Arch. A. ZAGHA	SCALE	1:25
CHECKED	Arch. S. HUSSEIN	DATE	FEBRUARY 2024
APPROVED	Arch. A. ZAGHA	DRG. No.	AD-13
DRAWN	AUTO CAD		

Drawing No.	Description	Drawing No.	Description	Drawing No.	Description
	<u>GENERAL:</u>				
E-000	LIST OF DRAWINGS				
E-001	LEGEND AND NOTES				
E-002	EXISTING BASEMENT & GROUND FLOOR PLANS ELECTRICAL WORKS				
E-003	EXISTING FIRST FLOOR PLAN ELECTRICAL WORKS - 1				
E-004	EXISTING FIRST FLOOR PLAN ELECTRICAL WORKS - 2				
	<u>LIGHTING SYSTEM:</u>				
E-101	PROPOSED TECHNICAL LABORATORY LIGHTING SYSTEM LAYOUT				
	<u>POWER SYSTEM:</u>				
E-201	PROPOSED TECHNICAL LABORATORY POWER SYSTEM LAYOUT				
	<u>LOW CURRENT SYSTEM:</u>				
E-301	PROPOSED TECHNICAL LABORATORY LOW CURRENT SYSTEM LAYOUT				
	<u>RISER DIAGRAMS &amp; DETAILS:</u>				
E-401	SINGLE LINE DIAGRAM -1				

**NOTES: -**

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- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
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- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
- ALL WIN. HAVE STEEL PROTECTION



**LEGEND**

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
 LIST OF DRAWINGS

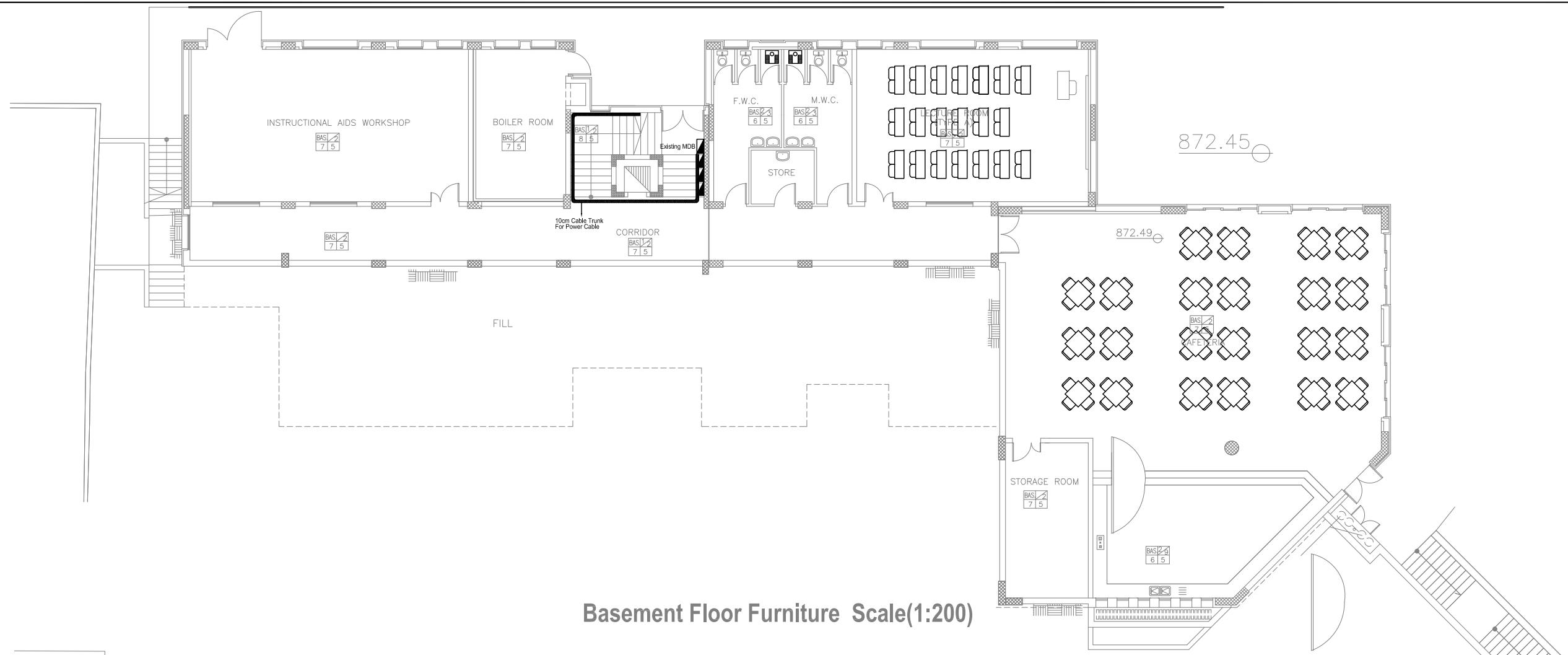
**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

**CONSULTING ENGINEER:** DIAMOND  
 Consulting Engineers  
 P.O. Box 1000, Ramallah - Palestine  
 Phone: +970 8 2500000  
 Fax: +970 8 2500000  
 E-mail: info@diamond-map.com

<b>DESIGNED</b>	DIAMOND STAFF	<b>SCALE</b>	N.T.S
<b>CHECKED</b>	DIAMOND STAFF	<b>DATE</b>	MARCH 2024
<b>APPROVED</b>	RAFE HAMMAD	<b>DRG. No.</b>	E-000
<b>DRAWN</b>	AUTO CAD		



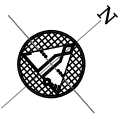




Basement Floor Furniture Scale(1:200)

NOTES:-

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
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LEGEND

REVISIONS		
No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:  
**Enabel**  
 ENABEL  
 Belgian Development Agency

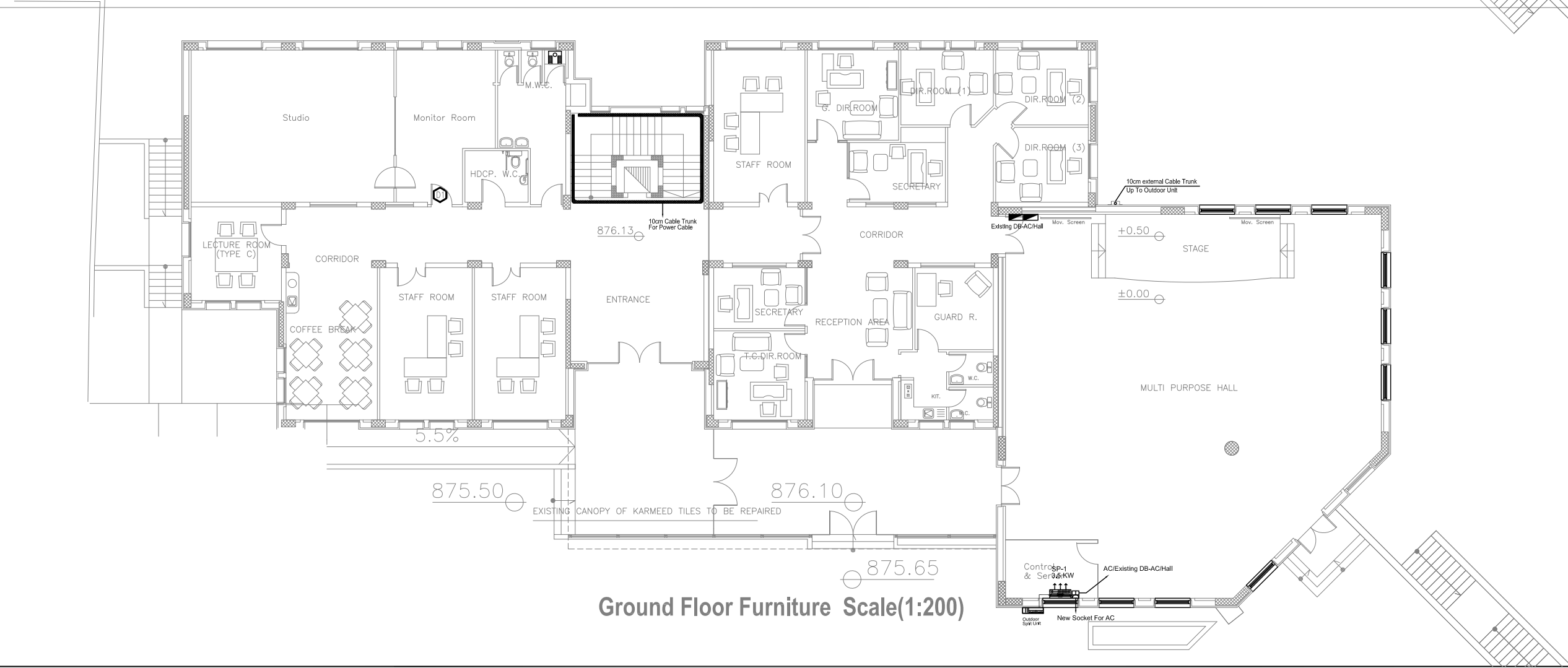
FUNDED BY:  
**Belgium**  
 partner in development

PROJECT NAME:  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET" PROJECT CODE: PSE22001-10071

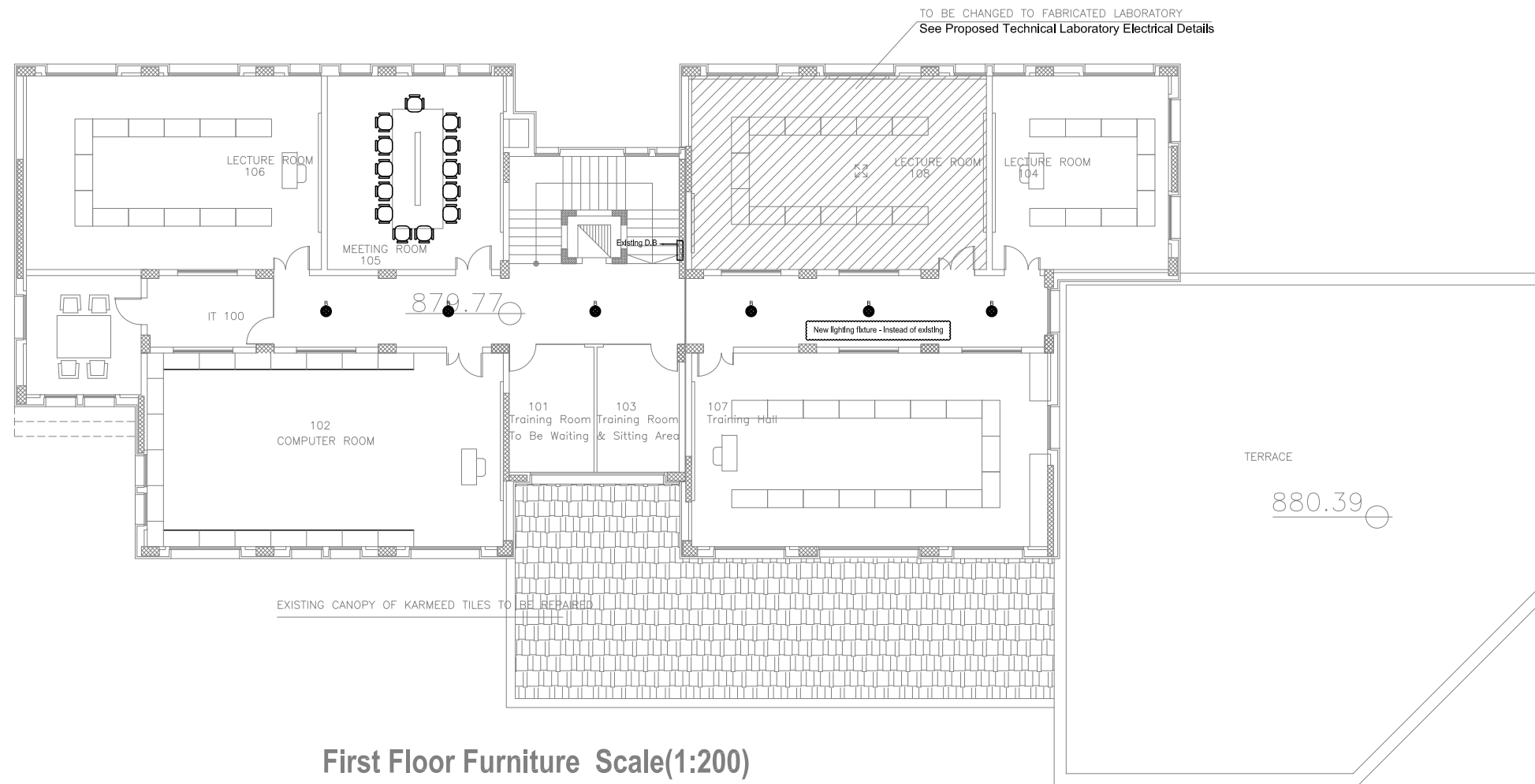
SHEET NAME:  
**EXISTING BASEMENT & GROUND FLOOR PLANS ELECTRICAL WORKS**

LOCATION:  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

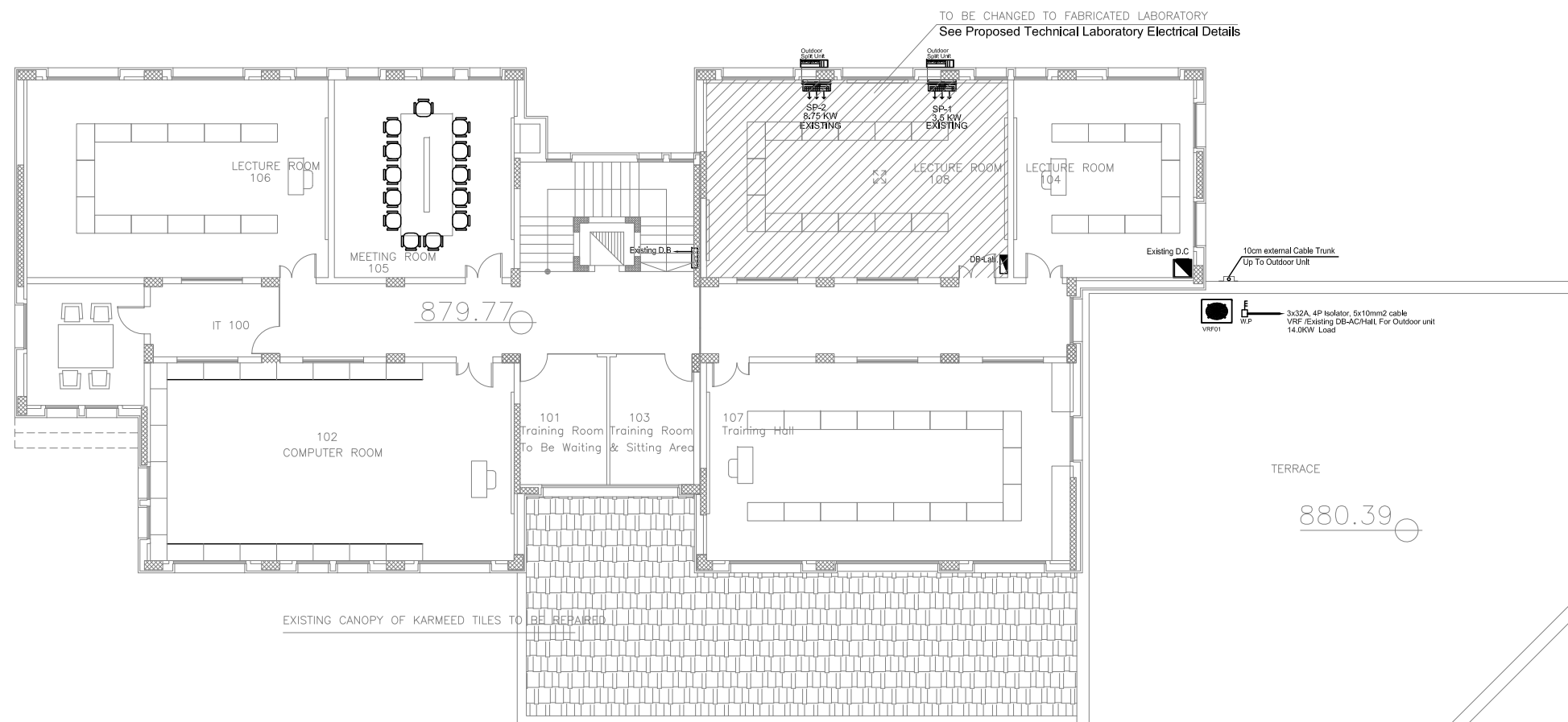
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CHECKED	DIAMOND STAFF	DATE	MARCH 2024
APPROVED	RAFE HAMMAD	DRG. No.	E-002
DRAWN	AUTO CAD		



Ground Floor Furniture Scale(1:200)



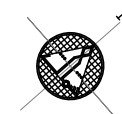
First Floor Furniture Scale(1:200)  
LIGHTING SYSTEM



First Floor Furniture Scale(1:200)  
POWER SYSTEM

NOTES: -

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
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- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
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LEGEND

REVISIONS

No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



MINISTRY OF EDUCATION  
D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:



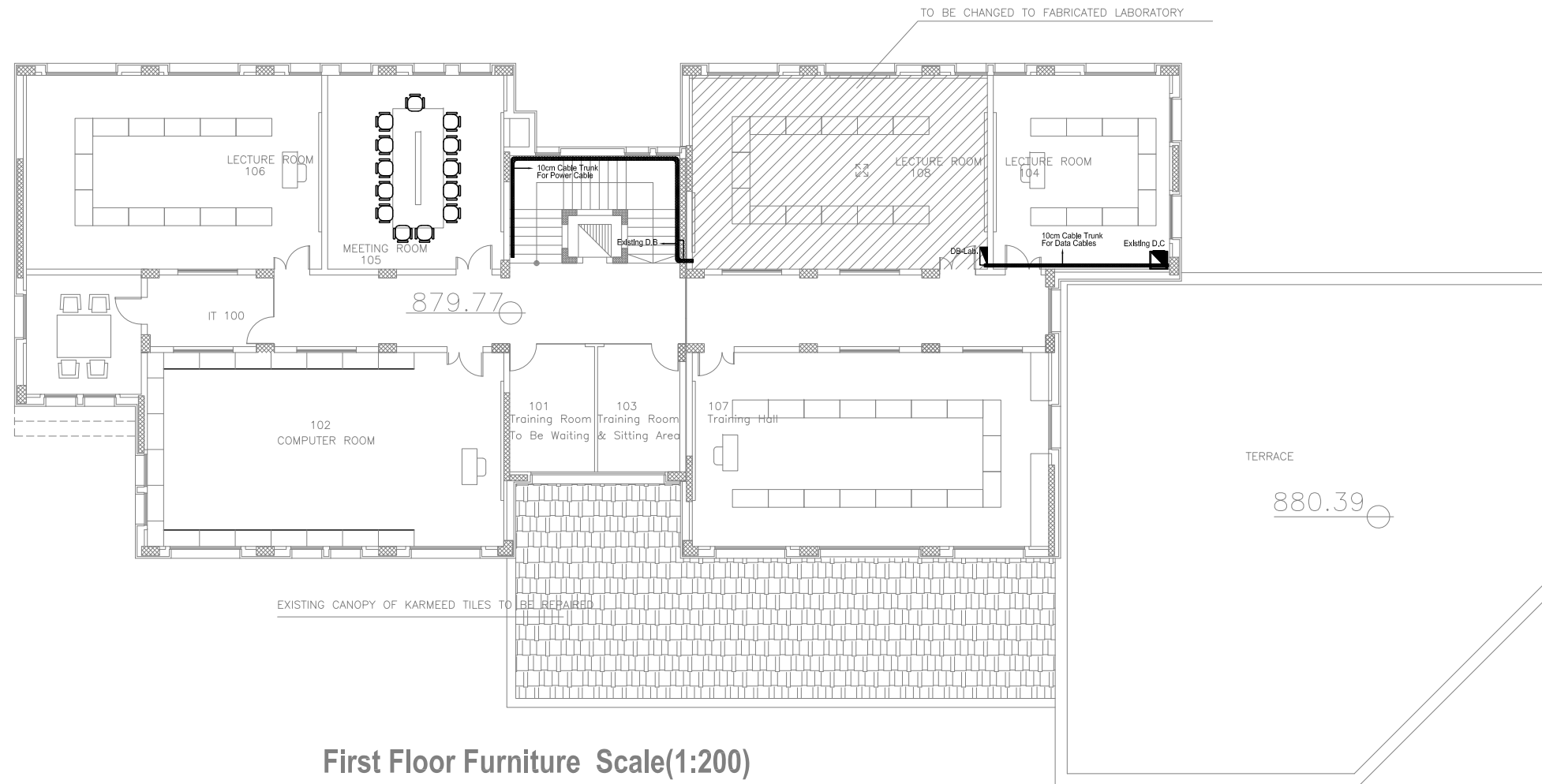
PROJECT NAME:  
Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET" PROJECT CODE: PSE22001-10071

SHEET NAME:  
EXISTING FIRST FLOOR PLAN ELECTRICAL WORKS-1

LOCATION:  
CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA



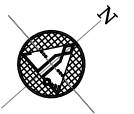
DESIGNED	DIAMOND STAFF	SCALE	1:200
CHECKED	DIAMOND STAFF	DATE	MARCH 2024
APPROVED	RAFE HAMMAD	DRG. No.	E-003
DRAWN	AUTO CAD		



**First Floor Furniture Scale(1:200)**  
**CABLE ROUTE LAYOUT**

**NOTES:-**

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**LEGEND**

REVISIONS		
No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

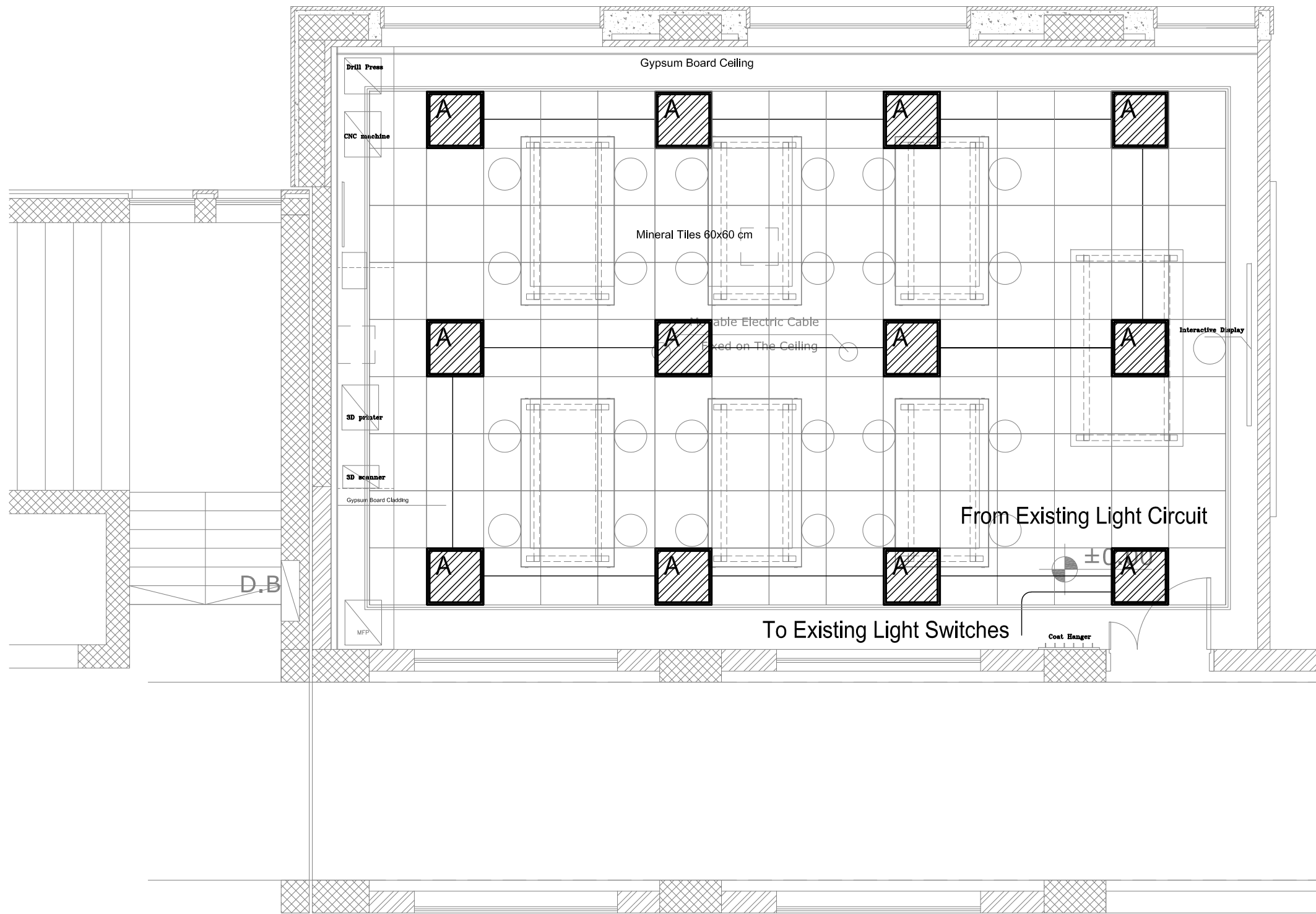
**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
 EXISTING FIRST FLOOR PLAN  
 ELECTRICAL WORKS-2

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

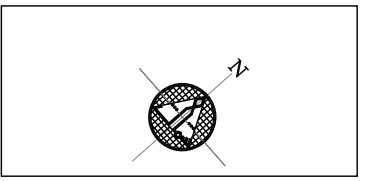
Consulting Engineers  
 DIAMOND  
 Electrical Consultant  
 Ramallah Tel: 02-2960228  
 Fax No: 02-2960882  
 E-mail: info@diamond-map.com

<b>DESIGNED</b>	DIAMOND STAFF	<b>SCALE</b>	1:200
<b>CHECKED</b>	DIAMOND STAFF	<b>DATE</b>	MARCH 2024
<b>APPROVED</b>	RAFE HAMMAD	<b>DRG. No.</b>	E-004
<b>DRAWN</b>	AUTO CAD		



**NOTES:-**

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**LEGEND**

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

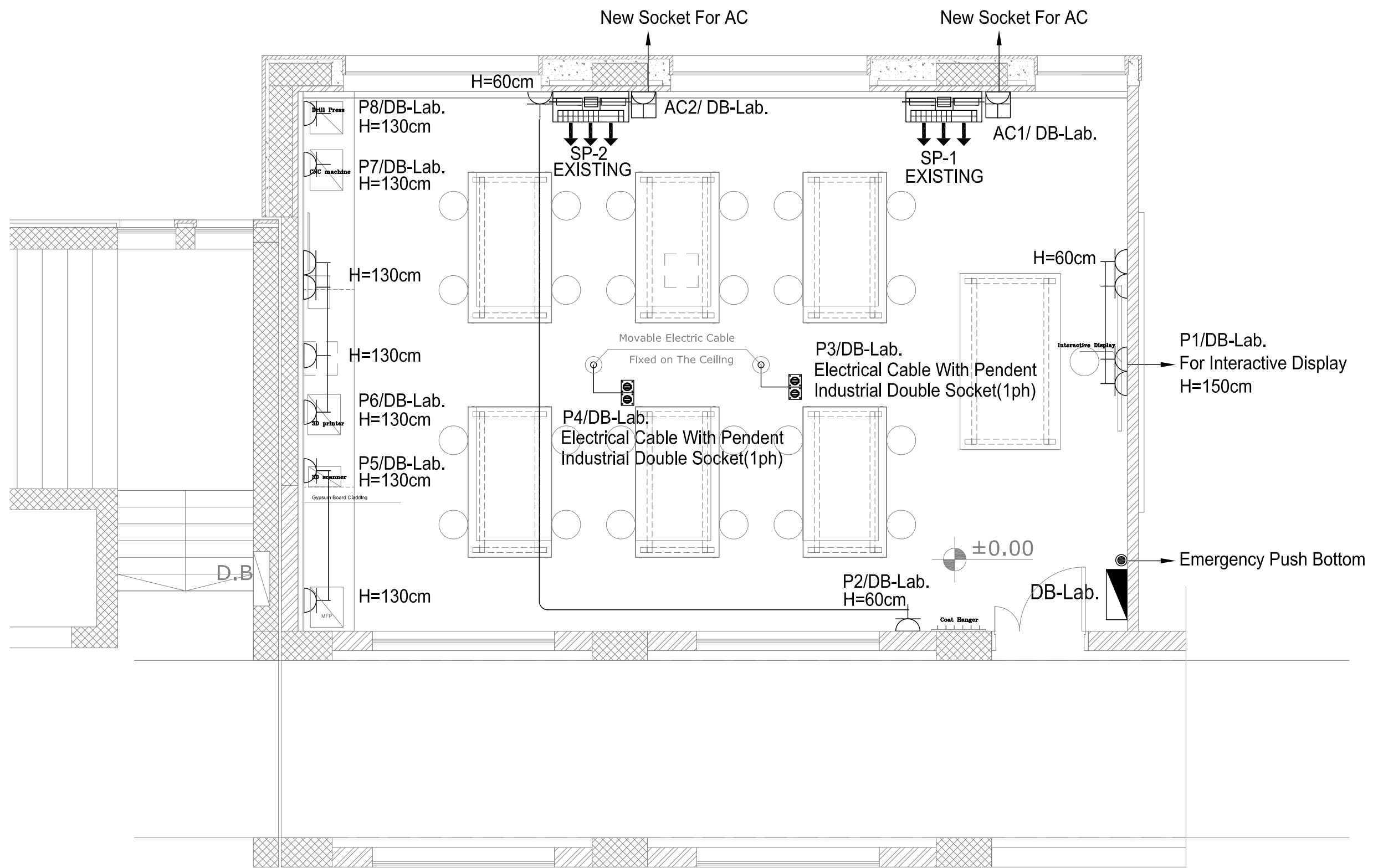
**SHEET NAME:**  
 PROPOSED TECHNICAL LABORATORY LIGHTING SYSTEM LAYOUT

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

**CONSULTING ENGINEER:** DIAMOND  
 Consulting Engineers  
 P.O. BOX 10000, RAMALLAH, PALESTINE  
 TEL: 02-2908022 FAX: 02-2908023  
 E-mail: info@diamond-nep.com

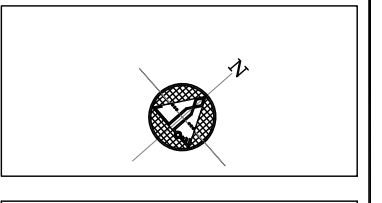
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<b>CHECKED</b>	DIAMOND STAFF	<b>DATE</b>	MARCH 2024
<b>APPROVED</b>	RAFE HAMMAD	<b>DRG. No.</b>	E-101
<b>DRAWN</b>	AUTO CAD		





**NOTES: -**

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**LEGEND**

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

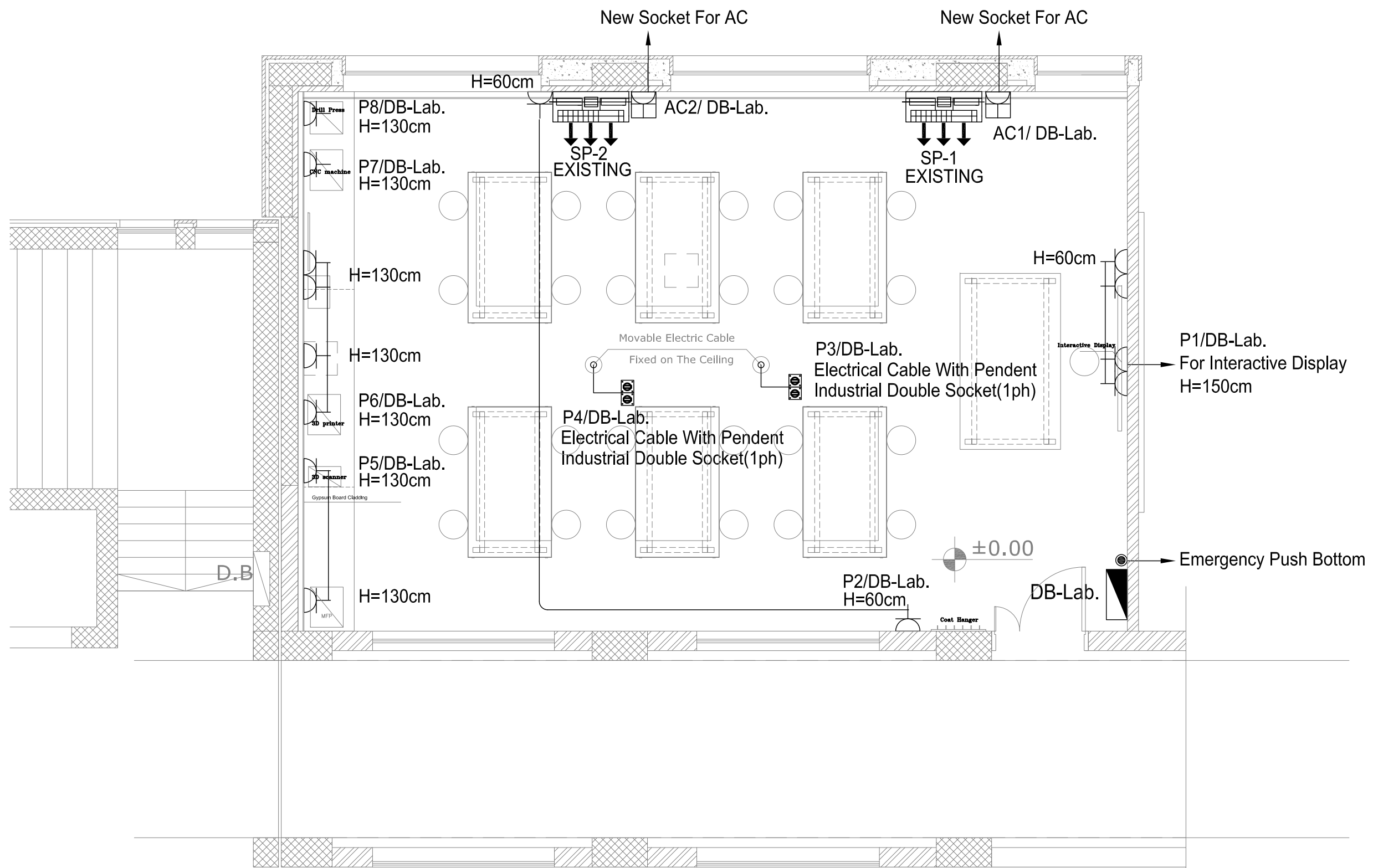
**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
 PROPOSED TECHNICAL LABORATORY  
 POWER SYSTEM LAYOUT

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

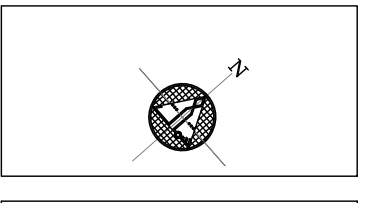
**CONSULTANTS:**  
 DIAMOND  
 Consulting Engineers  
 P.O. Box 1000, Ramallah - Palestine  
 Tel: 02-2998822 Fax: 02-2998822  
 Email: info@diamond-map.com

<b>DESIGNED</b>	DIAMOND STAFF	<b>SCALE</b>	1:50
<b>CHECKED</b>	DIAMOND STAFF	<b>DATE</b>	MARCH 2024
<b>APPROVED</b>	RAFE HAMMAD	<b>DRG. No.</b>	E-201
<b>DRAWN</b>	AUTO CAD		



**NOTES: -**

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**LEGEND**

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

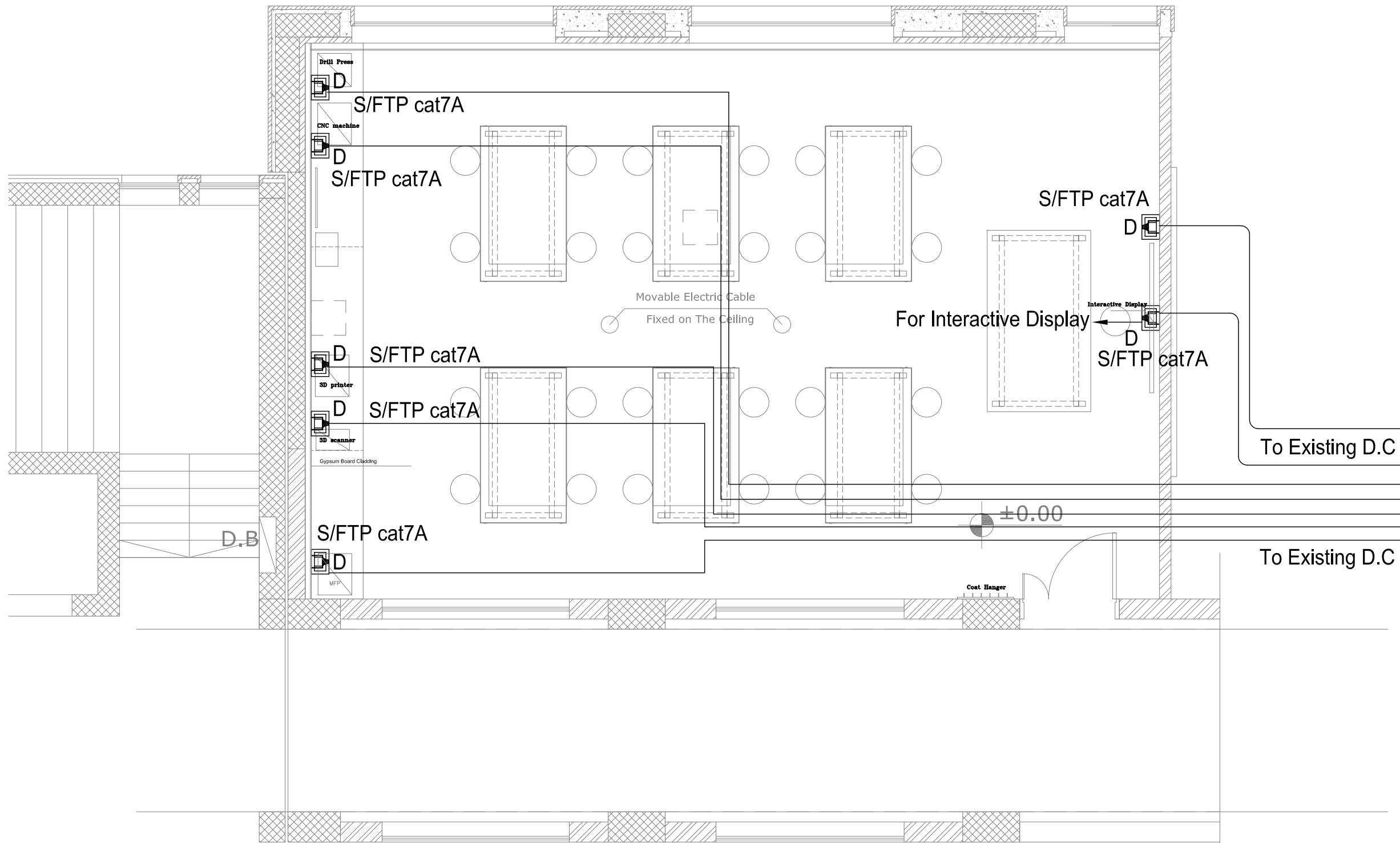
**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
 PROPOSED TECHNICAL LABORATORY  
 POWER SYSTEM LAYOUT

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

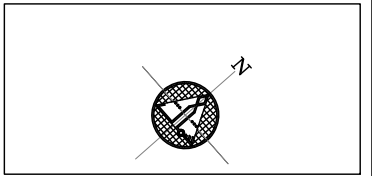
**CONSULTING ENGINEER:** DIAMOND  
 Consulting Engineers  
**DIAMOND**  
 Electromechanical Consultants  
 Ramallah Tel: 02-2968228  
 For No: 02-2968882  
 E-mail: info@diamond-mep.com

<b>DESIGNED</b>	DIAMOND STAFF	<b>SCALE</b>	1:50
<b>CHECKED</b>	DIAMOND STAFF	<b>DATE</b>	MARCH 2024
<b>APPROVED</b>	RAFE HAMMAD	<b>DRG. No.</b>	E-201
<b>DRAWN</b>	AUTO CAD		



**NOTES: -**

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
- ALL WIN. HAVE STEEL PROTECTION



**LEGEND**

**REVISIONS**

No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
**Belgium**  
 partner in development

**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
 PROPOSED TECHNICAL LABORATORY  
 LOW CURRENT SYSTEM LAYOUT

**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

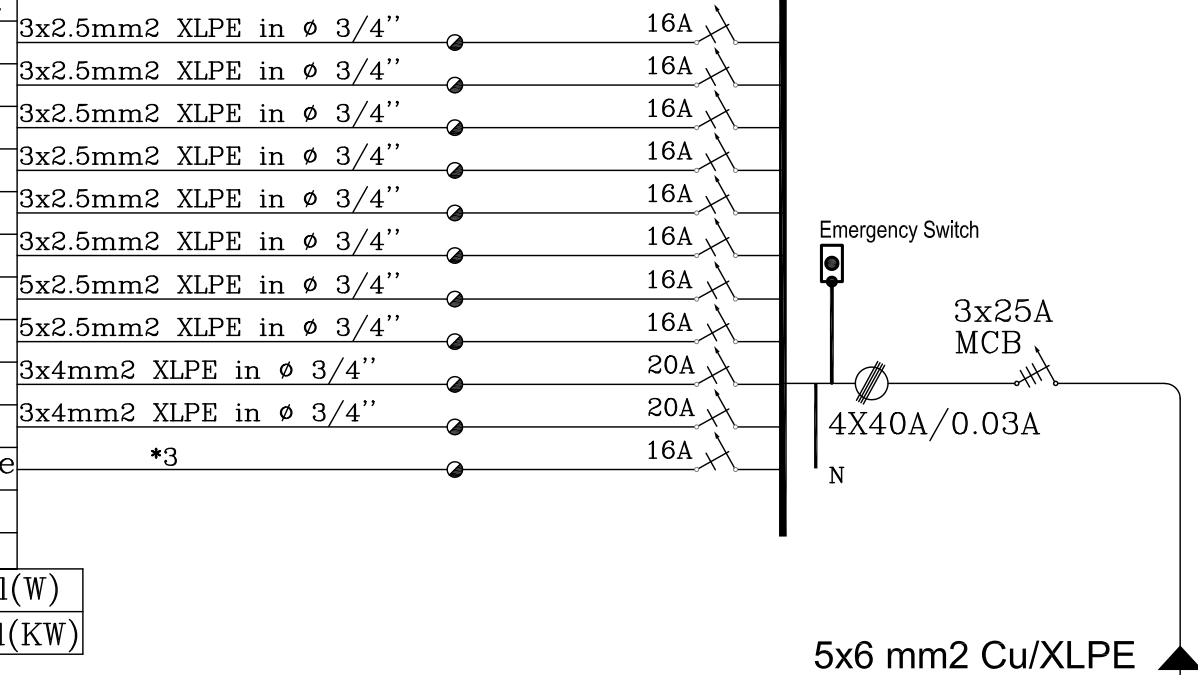
**CONSULTING ENGINEER:**  
 DIAMOND  
 Consulting Engineers  
 P.O. Box 1000, Ramallah - Palestine  
 Tel: 02-2908228 Fax: 02-2908228  
 E-mail: info@diamond-map.com

<b>DESIGNED</b>	DIAMOND STAFF	<b>SCALE</b>	1:50
<b>CHECKED</b>	DIAMOND STAFF	<b>DATE</b>	MARCH 2024
<b>APPROVED</b>	RAFE HAMMAD	<b>DRG. No.</b>	E-301
<b>DRAWN</b>	AUTO CAD		

- All MCB shall be 10KA according to IEC/EN60898
- All MCCB shall be 25KA according to IEC/EN60898.
6. Painting with powder coating RAL 7032 .
- all cable shall enter the distribution board through glands.
- all wiring inside distribution board shall be through front trunking.

DB-Lab.  
 Load = 6.08KW  
 Busbar : 40A, 3 Phase, 4 wires, 230/400V, 50Hz.  
 Fed From : Existing MDB  
 Short Circuit Bracing Capacity : 10KA  
 Connected Load : 6.08 KW  
 Degree Of Protection : IP-40  
 Location: Lab./ First Floor

LOAD(Watt)			
R	S	T	Circuit
600			P1
	600		P2
		600	P3
600			P4
	200		P5
		400	P6
200			P7
	200		P8
		1400	AC1
2800			AC2
			spare
			*3
4200	1000	2400	Total(W)
7600*0.8=6.08KW			Total(KW)



First Floor

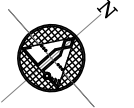
Ground Floor

Basement Floor



NOTES: -

- ALL DIMENSIONS ARE IN CM UNLESS NOTED OTHERWISE
- ALL LEVELS ARE IN M. UNLESS NOTED OTHERWISE
- EXTERNAL WALLS OF STONE AND CONCRETE 30 CM THICK
- ALUMINUM WINDOWS SLIDING TYPE 7000 OR EQUIVALENT
- FLOOR FINISH LEVEL IS 3 CM HIGHER THAN THE VERANDAS FINISHING LEVEL.
- ALL WIN. HAVE STEEL PROTECTION



LEGEND

REVISIONS		
No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE



PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:



FUNDED BY:













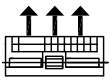
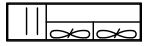
PROJECT NAME:  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

SHEET NAME:  
 SINGLE LINE DIAGRAM-1

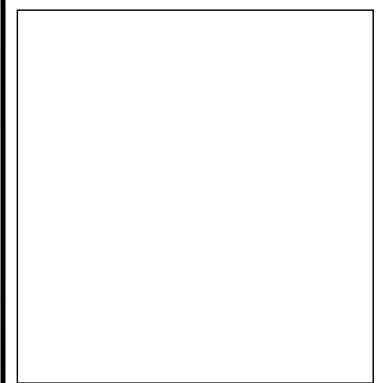
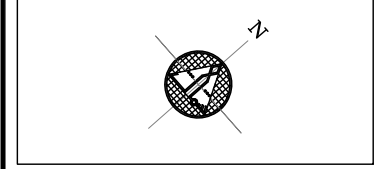
LOCATION:  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA



DESIGNED	DIAMOND STAFF	SCALE	N.T.S
CHECKED	DIAMOND STAFF	DATE	MARCH 2024
APPROVED	RAFE HAMMAD	DRG. No.	E-401
DRAWN	AUTO CAD		

Materials	Symbols
2"PVC	
4"PVC	
2"PVC in section	
4"Floor Trape	
Hot Water Pipe	
Cold Water pipe	
Water Collector	
Solar Panel	
VRF 4-Way Cassette Unit	
VRF Outdoor Ducted Unit	
Indoor Split Unit	
Outdoor Split Unit	

Drawing Number	Description
M000	Mechanical Symbols & Legend
M101	Drainage System - Basement &Ground Floors
M102	Maintenance Works - Basement &Ground Floors
M103	Maintenance Works - First &Second Floors
M104	Maintenance Works - Third &Roof Floors



REVISIONS		
No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT No:** 2403/2024  
**CONTRACTING AUTHORITY:**  
**Enabel**  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
  
 Belgium  
 partner in development

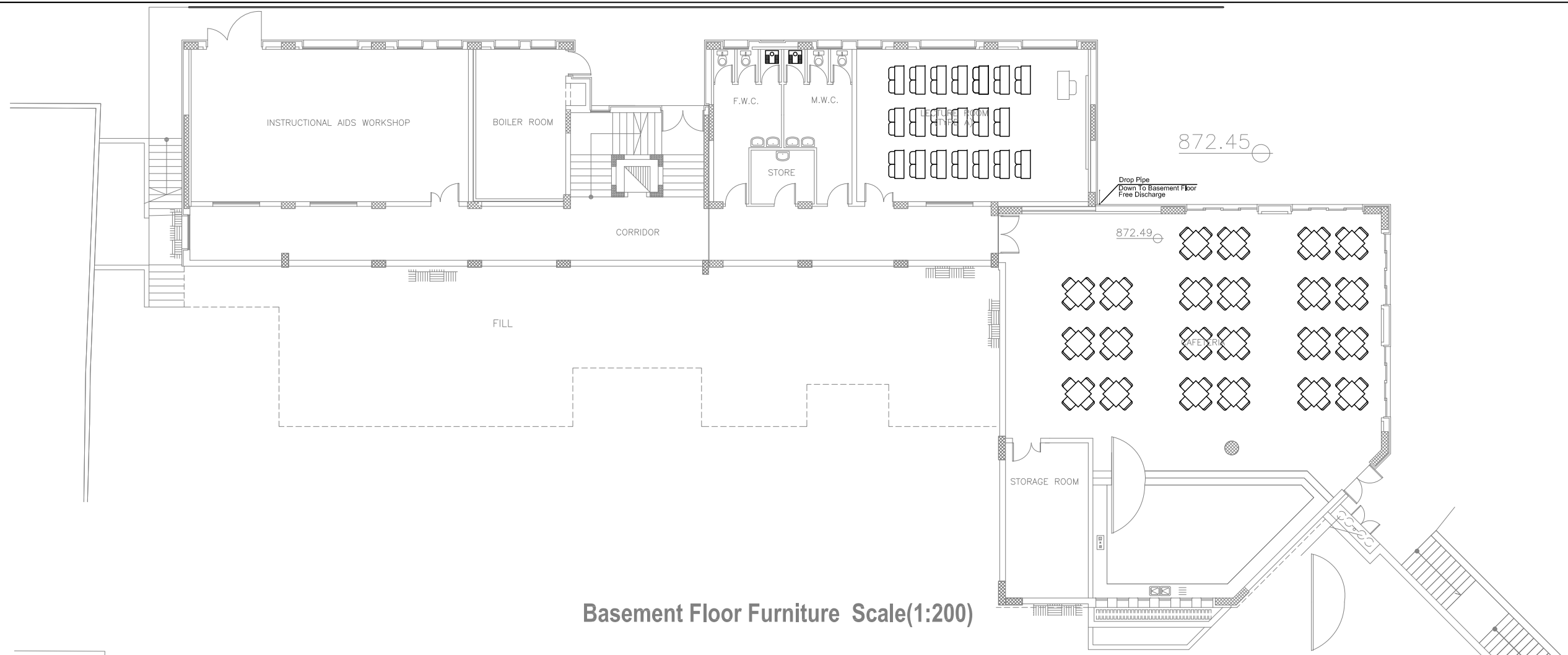
**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
 MECHANICAL SYMBOLS & LEGEND

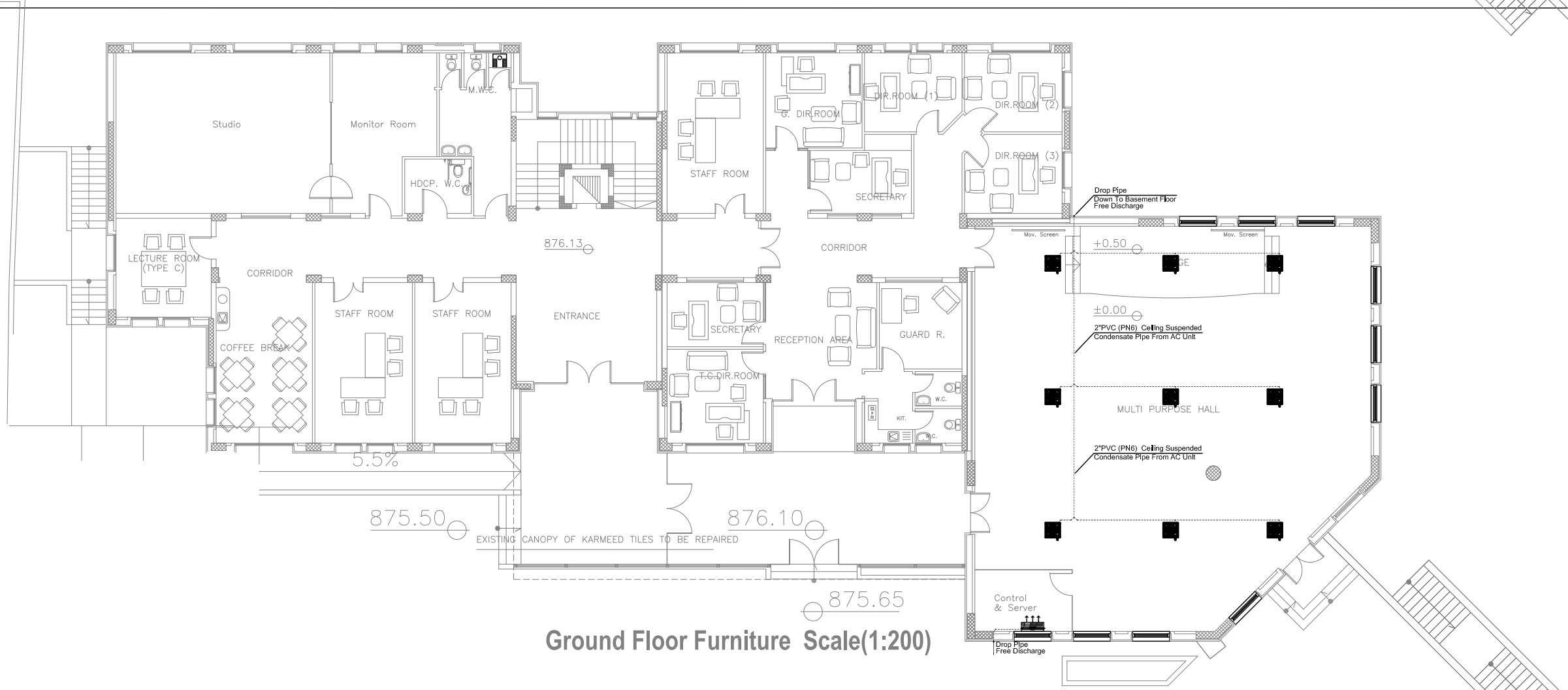
**LOCATION:**  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

 **DIAMOND**  
 Consulting Engineers  
 P.O. Box 12-20000  
 Ramallah - Palestine  
 Tel: 970-75-555555  
 Fax: 970-75-555555  
 Email: info@diamond.ps

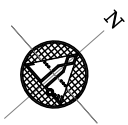
<b>DESIGNED</b>	Diamond Staff	<b>SCALE</b>	1:200
<b>CHECKED</b>	Mech.Samer Tirthi	<b>DATE</b>	3/2024
<b>APPROVED</b>	Mech.Samer Tirthi	<b>DRG. No.</b>	M-000
<b>DRAWN</b>	AUTO CAD		



Basement Floor Furniture Scale(1:200)



Ground Floor Furniture Scale(1:200)



REVISIONS		
No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:  
**Enabel**  
 ENABEL  
 Belgian Development Agency

FUNDED BY:  
**Belgium**  
 partner in development

PROJECT NAME:  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET" PROJECT CODE: PSE22001-10071

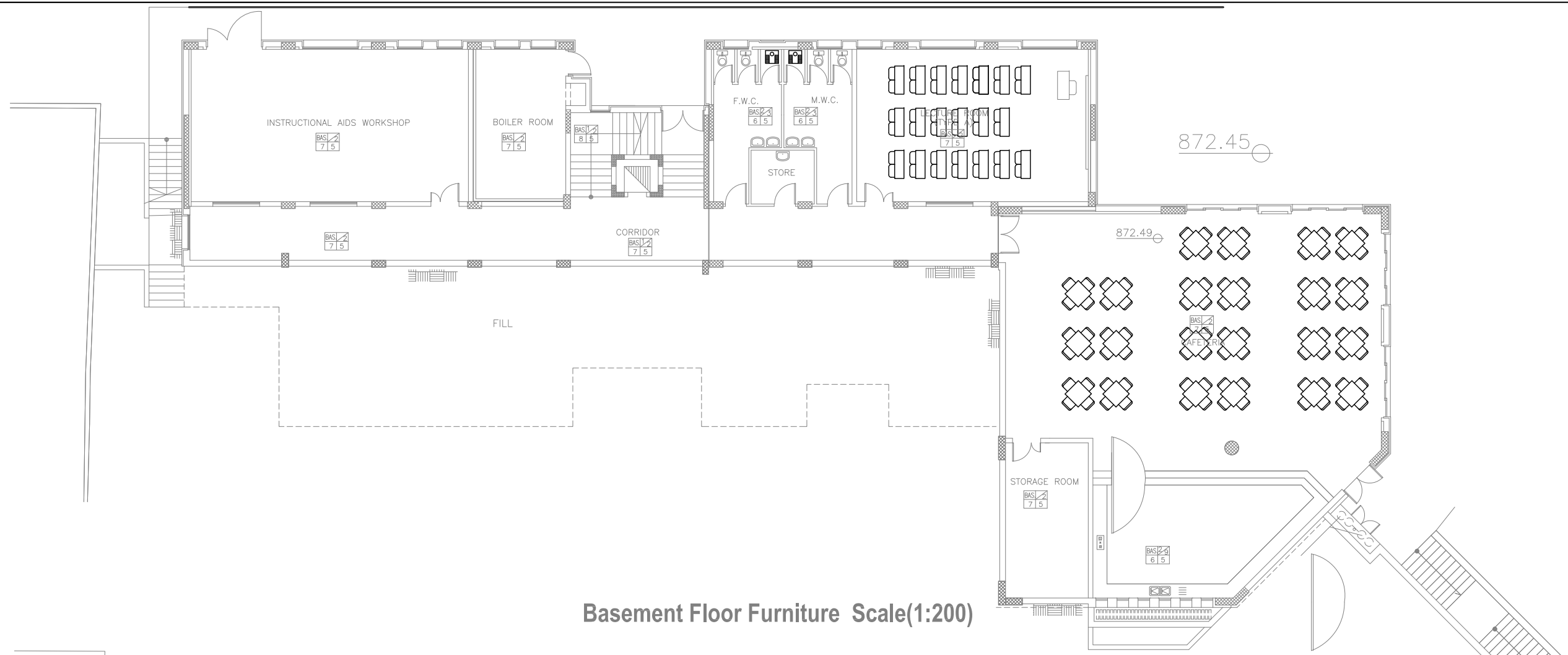
SHEET NAME:  
**BASEMENT & GROUND FLOOR PLANS DRAINAGE SYSTEM**

LOCATION:  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA

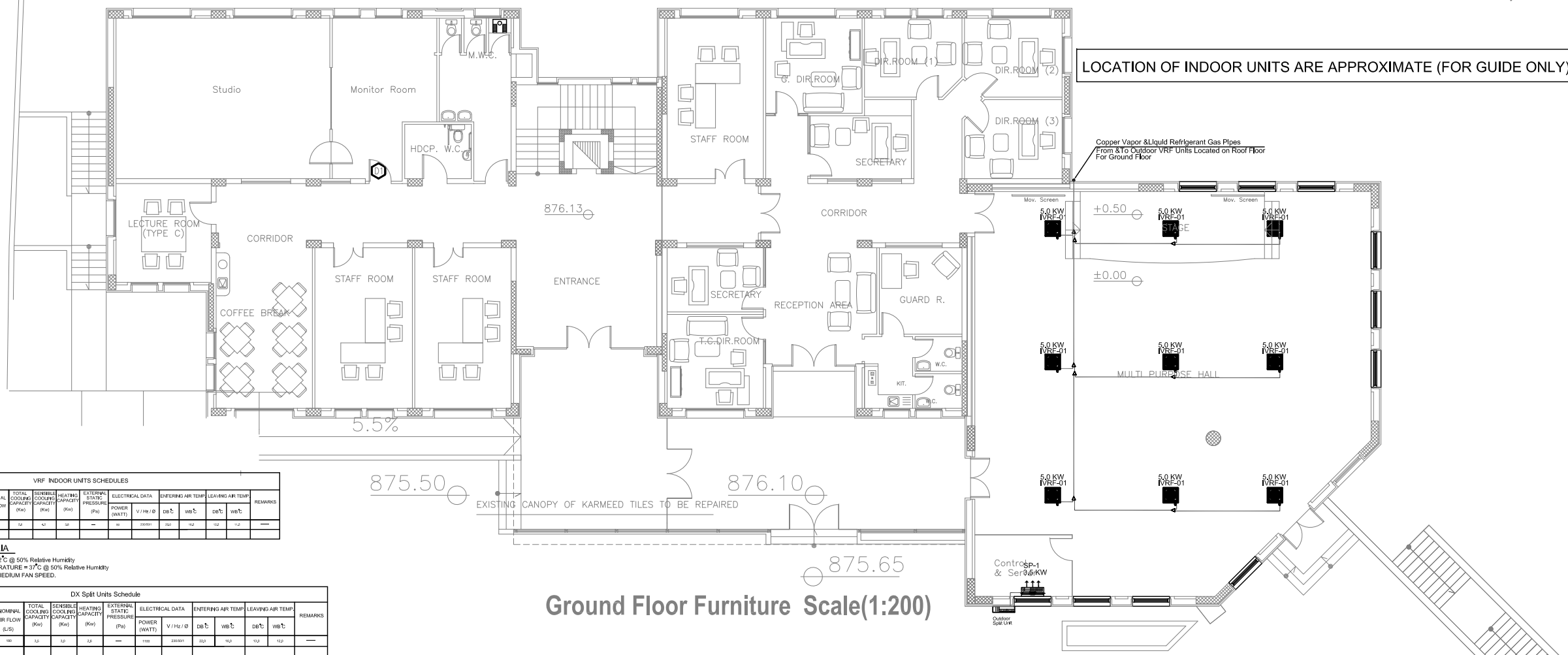


DESIGNED	Diamond Staff	SCALE	1:200
CHECKED	Mech.Samer Tikh	DATE	3/2024
APPROVED	Mech.Samer Tikh	DRG. No.	M-101
DRAWN	AUTO CAD		





Basement Floor Furniture Scale(1:200)



Ground Floor Furniture Scale(1:200)

VRF INDOOR UNITS SCHEDULES											
REF.	DESIGNATION	QTY	NOMINAL AIR FLOW (LS)	TOTAL COOLING CAPACITY (KW)	SENSEBLE COOLING CAPACITY (KW)	HEATING CAPACITY (KW)	EXTERNAL STATIC PRESSURE (Pa)	ELECTRICAL DATA POWER (KW)	ENTERING AIR TEMP (DB°C)	LEAVING AIR TEMP (WB°C)	REMARKS
01	40000 BTU/H	1	20	12	12	12	10	1000	24	18	

**UNIT SELECTION CRITERIA**  
 \*INDOOR DESIGN TEMPERATURE = 22°C @ 50% Relative Humidity  
 \*OUTDOOR SUMMER DESIGN TEMPERATURE = 37°C @ 50% Relative Humidity  
 \*AIR FLOWS ABOVE ARE BASED ON MEDIUM FAN SPEED.

DX Split Units Schedule											
REF.	DESIGNATION	QTY	NOMINAL AIR FLOW (LS)	TOTAL COOLING CAPACITY (KW)	SENSEBLE COOLING CAPACITY (KW)	HEATING CAPACITY (KW)	EXTERNAL STATIC PRESSURE (Pa)	ELECTRICAL DATA POWER (WATT)	ENTERING AIR TEMP (DB°C)	LEAVING AIR TEMP (WB°C)	REMARKS
01	20000 BTU/H	1	10	6	6	6	10	2000	24	18	

REVISIONS		
No.	DESCRIPTION	DATE

**OWNER:** STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

**PROJECT NO:** 2403/2024

**CONTRACTING AUTHORITY:**  
  
 ENABEL  
 Belgian Development Agency

**FUNDED BY:**  
  
 Belgium  
 partner in development

**PROJECT NAME:**  
 Public Services Contract for the "Rehabilitation works and creation of a Fablab At The NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

**SHEET NAME:**  
**BASEMENT & GROUND FLOOR PLANS MAINTENANCE WORK**

**LOCATION:** CITY: AL-BIREH BLOCK: 23      GOVERNATE: RAMALLAH & EL-BIREH PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMYA

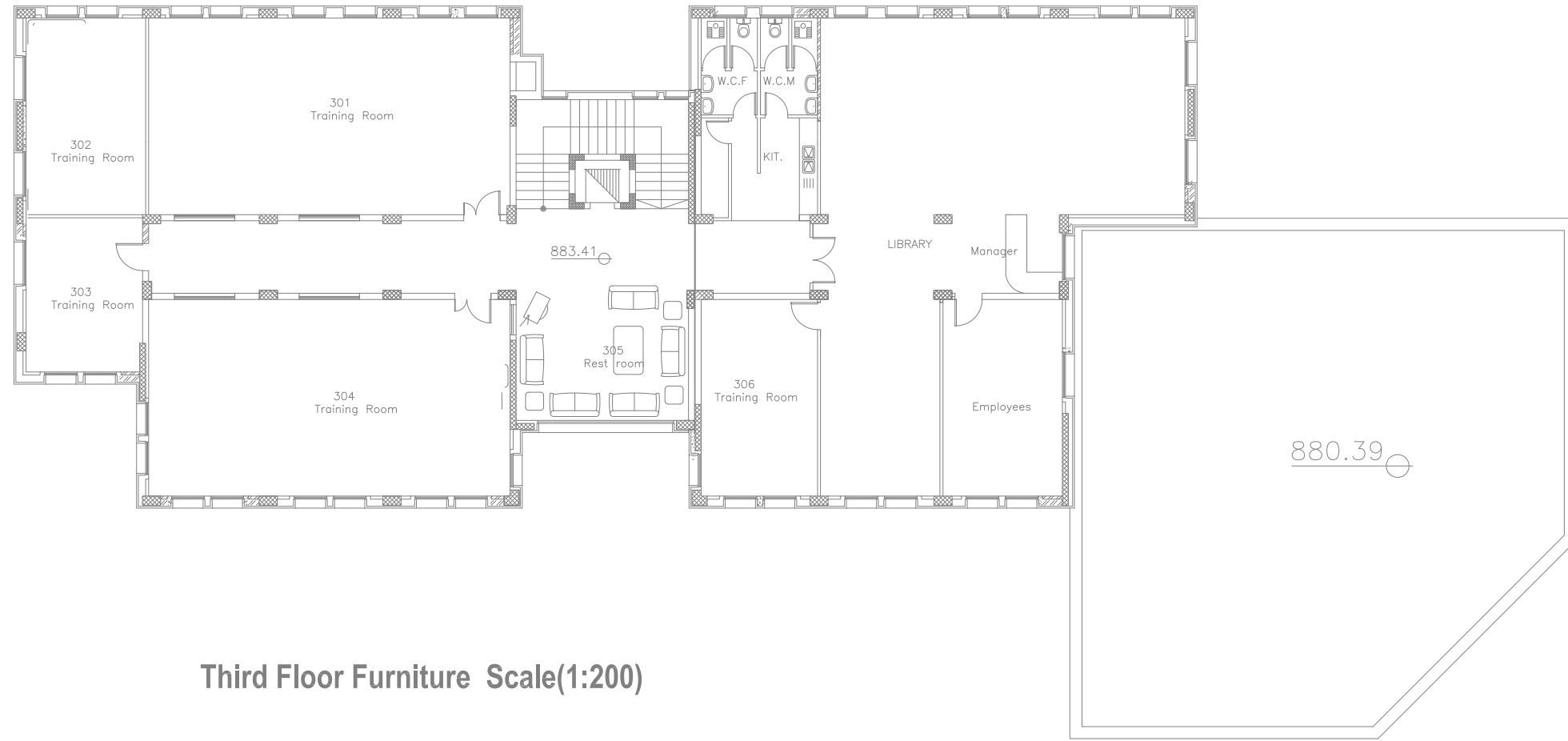
**DIAMOND**  
 Consulting Engineers  
 P.O. Box 12-20000  
 Ramallah - Palestine  
 Tel: 972-75-555555  
 Fax: 972-75-555555  
 Email: info@diamond.ps

**Other Logo**  
 Consulting Engineers  
 P.O. Box 12-20000  
 Ramallah - Palestine  
 Tel: 972-75-555555  
 Fax: 972-75-555555  
 Email: info@other.ps

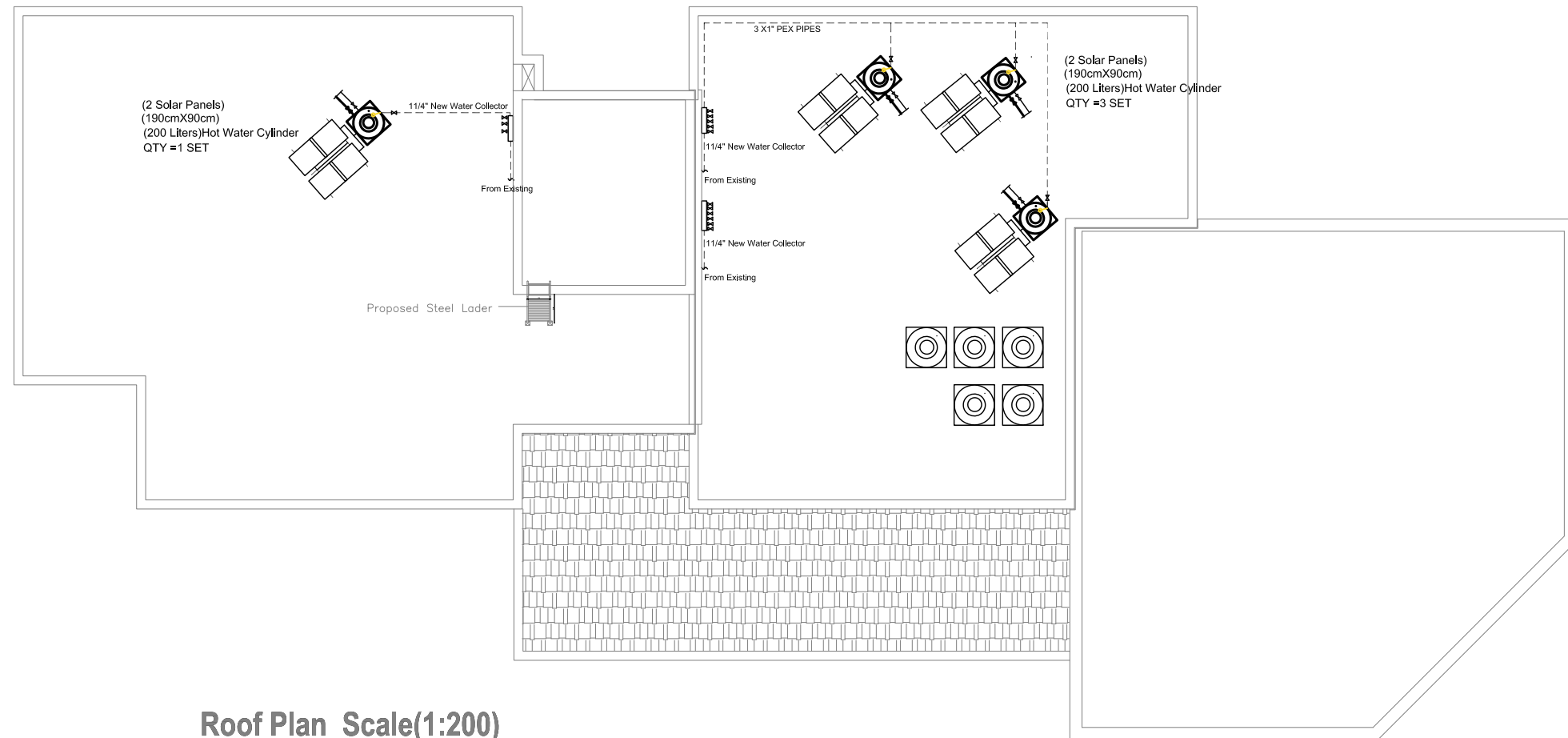
<b>DESIGNED</b>	Diamond Staff	<b>SCALE</b>	1:200
<b>CHECKED</b>	Mech.Samer Turki	<b>DATE</b>	3/2024
<b>APPROVED</b>	Mech.Samer Turki	<b>DRG. No.</b>	M-102
<b>DRAWN</b>	AUTO CAD		



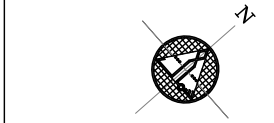




Third Floor Furniture Scale(1:200)



Roof Plan Scale(1:200)



REVISIONS		
No.	DESCRIPTION	DATE

OWNER: STATE OF PALESTINE  
 MINISTRY OF EDUCATION  
 D.G. BUILDINGS

PROJECT NO: 2403/2024

CONTRACTING AUTHORITY:  
**Enabel**  
 ENABEL  
 Belgian Development Agency

FUNDED BY:  
**Belgium**  
 partner in development

PROJECT NAME:  
 Public Services Contract for the "Rehabilitation works  
 and creation of a Fablab At The  
 NATIONAL INSTITUTE FOR EDUCATIONAL "NIET"  
 PROJECT CODE: PSE22001-10071

SHEET NAME:  
**THIRD & ROOF FLOOR PLANS  
 MAINTENANCE WORK**

LOCATION:  
 CITY: AL-BIREH GOVERNATE: RAMALLAH & EL-BIREH  
 BLOCK: 23 PLOT NO:74 QUARTER/ LOCATION: KHALET AL-AMIYA



DESIGNED	Diamond Staff	SCALE	1:200
CHECKED	Mech.Samer Tikh	DATE	3/2024
APPROVED	Mech.Samer Tikh	DRG. No.	M104
DRAWN	AUTO CAD		