



Consultant/Engineer for Safe Spaces

LEBANON

DEVELOPMENT REPORT
Chatila center

MAY 2022

Client:

PROJECT:

STAGE:

PAGE: 1



Consultant/Engineer for Safe Spaces

Chatila center Report

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Development Report

1. Introduction

EQIE Program is a 5-year program (2020-2024) funded by the Norwegian Agency for Development Cooperation (NORAD). It aims to improve the reading skills for 10000 children and youth aged 3 to 10 years old, through a school and community-based and e-learning approach through engaging teachers and coaches in RTP's PBL Methodology. In addition, the program will increase the enrollment of children with disabilities in schools. Complimenting school-based activities, initiatives at the community level will aim to create an enabling, safe and inclusive learning environment that is supportive of children's wellbeing.

In order to respond to the country's context, the program will maintain a broadened target group to include Syrian refugees, in addition to Palestinian refugees, and disadvantaged Lebanese host communities. Target locations will include the geographical areas with the highest concentration of refugees are also the area most affected by poverty, disadvantaged communities in surrounding areas will also be targeted.

2. Chatila Center (Rawdt ahlam lajee) Existing photos

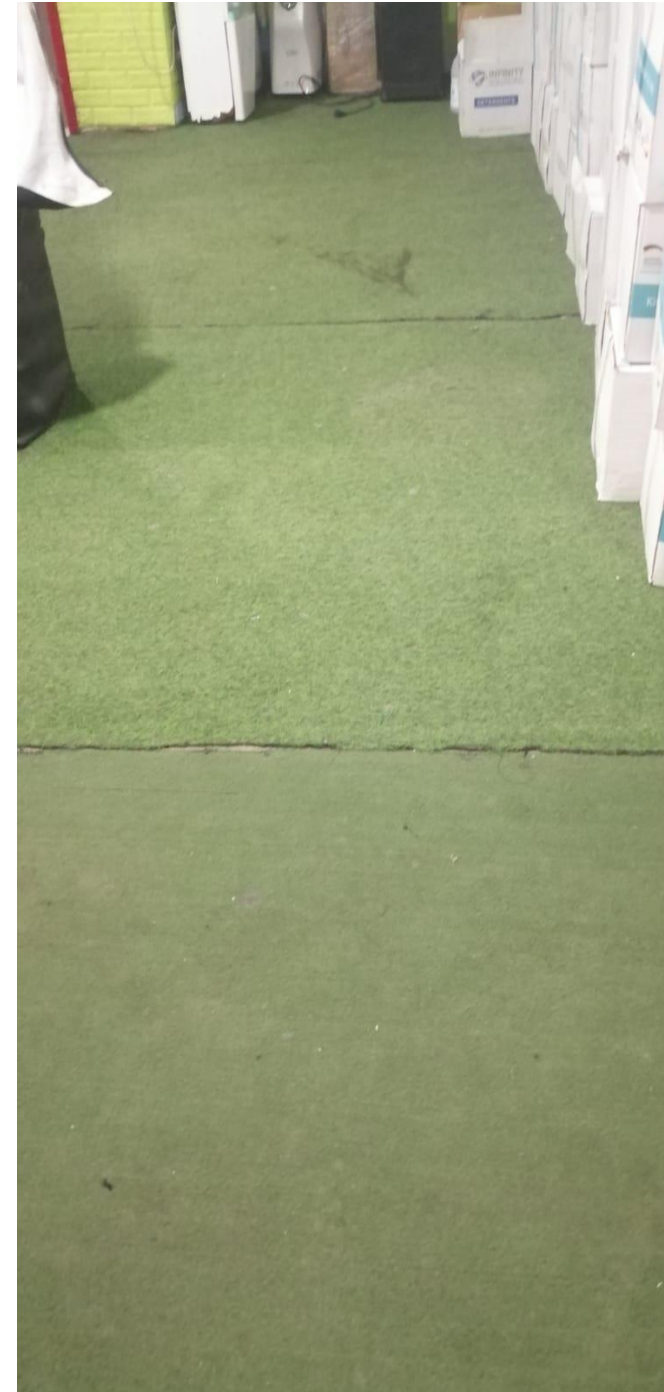


Photo 1- 2 types of artificial grass



Photo 2- Column protection damaged



Photo 3-Door handle rusted and damaged



Photo 4- Burnt out bulb



Photo 5- Damaged accordion door



Photo 6- Damaged water faucet

3. Material selection



Artificial grass



Door Handle

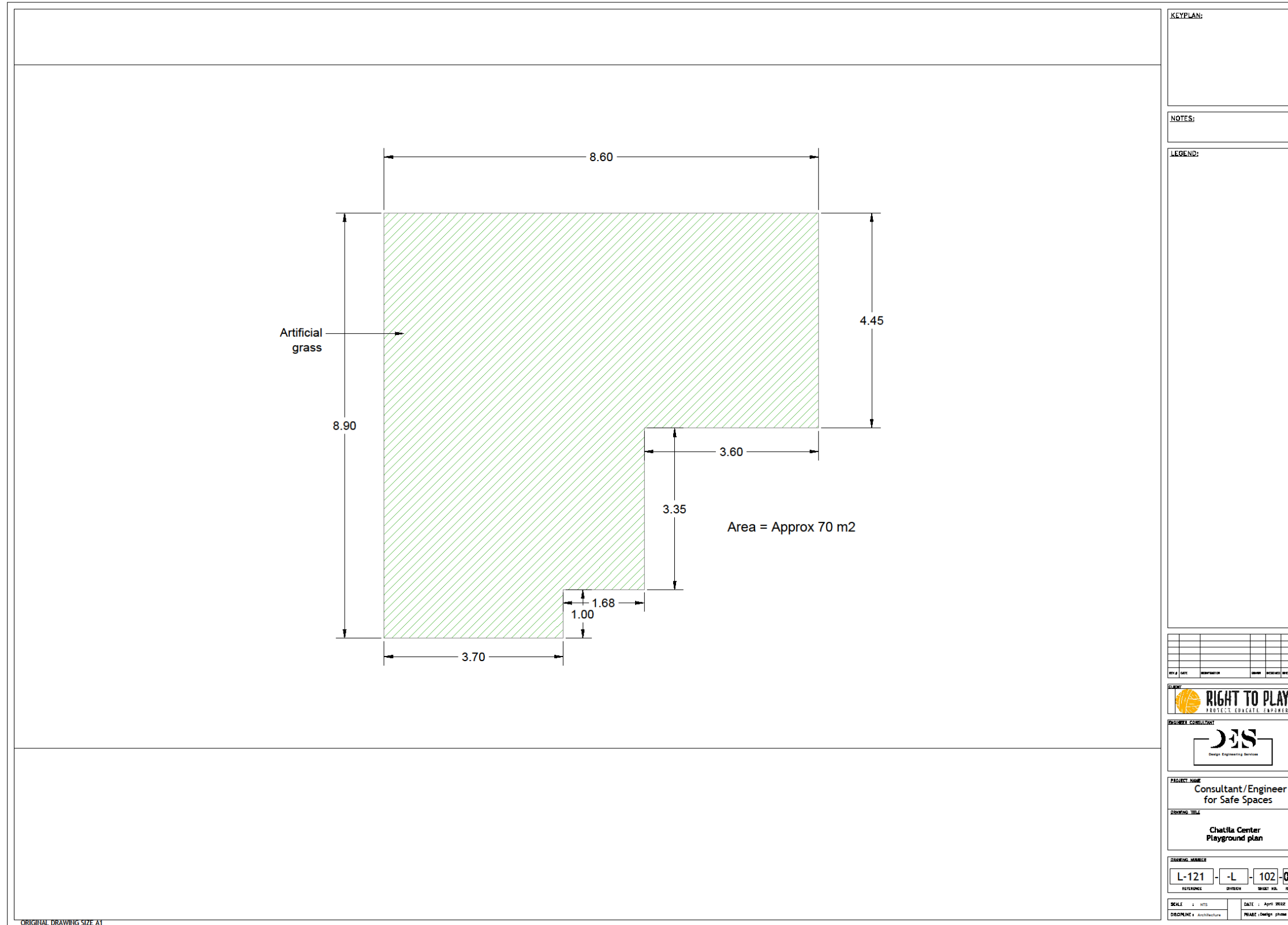


Led Ceiling Spot



Accordion Door

4. Chatila Center (Rawdt ahlam lajee) master plan



5. Chatila Center (Rawdt ahlam lajee) BOQ

Chatila Center
SITE WORKS

| Item | Description | Qty | Unit | Unit Rate | Amount US\$ |
|---|---|------|------|--------------|----------------|
| <p><u>The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.</u></p> | | | | | |
| <p><u>SECTION 01-Electrical</u></p> | | | | | |
| A | Recessed light fixtures (diam 20 cm). Replace existing damages light fixtures with similar items. Product specifications should be apprived by engineer before installation | 35 | U | | 0.00 |
| <p><u>SECTION 02-Accessories</u></p> | | | | | |
| B | Supply and install Accordion door for WC with build in lock (214 x 65 cm) | 1.00 | Nb | | 0.00 |
| C | Removal and disposal of existing accordion door as instructed by engineer. Remove the demolished materials to approved dumps. | 1 | LS | | 0.00 |
| D | Removal and disposal of existing wooden door handle as instructed by engineer. and replace it with new one | 1.00 | Nb | | 0.00 |

| | | | | |
|---|---|------|----|------|
| E | Supply and install single water tap (CE approved) (chinese or local) | 1.00 | Nb | 0.00 |
|---|---|------|----|------|

SECTION 03-Artificial Grass

| | | | | |
|---|--|----|----|------|
| F | Supply and install of Synthetic European Artificial Turf (5 cm heigh) Class A or equivalent to cover the total area of indoor playroom. .Works include installation with approved material adhesive Installation should be done in a proper manner keeping in mind anormalities in construction (see specification drawings provided). Product specifications should be approved by consultant before execution. | 70 | m2 | 0.00 |
|---|--|----|----|------|

| | | | | |
|---|---|---|----|------|
| G | Removal and disposal of existing artifical grass strips on concrete bench as instructed by engineer. Remove the demolished materials to approved dumps. | 1 | LS | 0.00 |
|---|---|---|----|------|

SECTION 04-Column foam

| | | | | |
|---|---|----|----|------|
| H | Supply and install foam cover (similar to the existing one) for the column | 10 | m2 | 0.00 |
|---|---|----|----|------|

| | |
|---------------|------|
| To Collection | |
| \$ | 0.00 |

Chatila Center

| | | |
|--------------------|------|-------------|
| Carried to Summary | US\$ | 0.00 |
|--------------------|------|-------------|



Consultant/Engineer for Safe Spaces

LEBANON

DEVELOPMENT REPORT
Borj Chmeile-Nabaa Center

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Consultant/Engineer for Safe Spaces

Borj chmeile Nabaa center
Report

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Development Report

1. Introduction

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2. Borj Chmeile camps (Nabaa center) Existing pictures



Photo 1.2- Water leakage from the ceiling



Photo 3-Missing Waterproofing (foam) between wall and Zinc in different areas



Photo 4- Artificial grass removed in the seating area



Photo 5.Existing zinc roof

3. Material selection

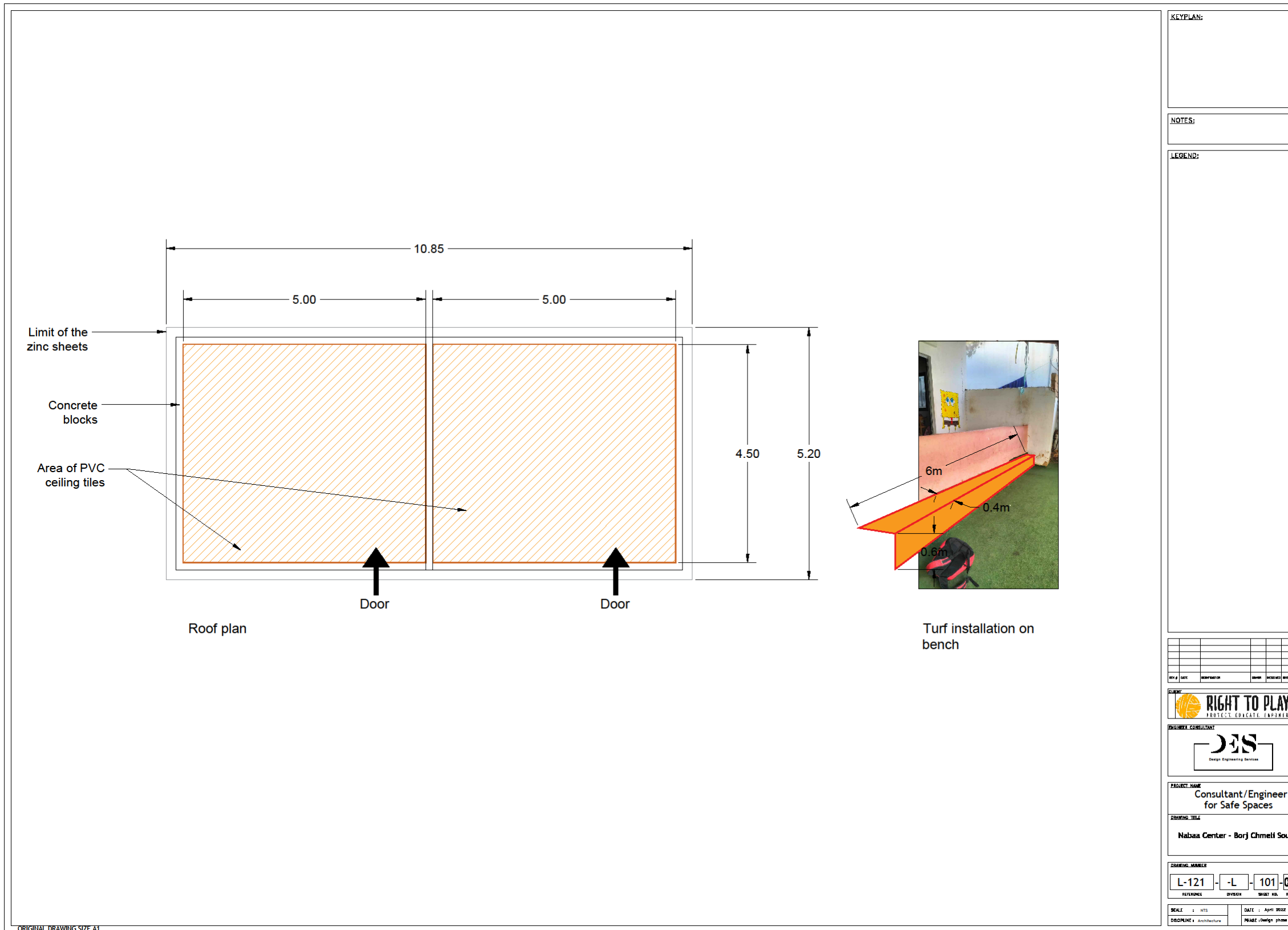


PVC false ceiling



Zinc roof

4. Borj Chmeile Nabba center master plan



5. Borj Chmeile Nabba center BOQ

Nabaa Center-Borj Chmeile

SITE WORKS

| Item | Description | Qty | Unit | Unit Rate | Amount US\$ |
|------|-------------|-----|------|-----------|----------------|
|------|-------------|-----|------|-----------|----------------|

The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.

SECTION 01-Roof and ceiling

| | | | | | |
|---|--|-------|----|--|------|
| A | Provide and install zinc sheets ceiling (8/10) with appropriate slope, on existing metal scaffold system that holds the sheets. External and internal foam or silicone filling should be used to close in all gaps, as per instruction of engineer.(See specification drawing) | 60.00 | m2 | | 0.00 |
| | Removal and disposal of debris and existing zinc sheets as instructed by engineer. Remove the demolished materials to approved dumps. | 1 | LS | | 0.00 |
| B | Provide and install PVC ceiling with required structures and accessories . PVC tiles should be cut to fit keeping in mind anomalies in construction. | 50 | m2 | | 0.00 |
| | Removal and disposal of existing MDF ceiling sheets as instructed by engineer. Remove the demolished materials to approved dumps. | 1 | LS | | 0.00 |

SECTION 02-Artificial Grass

| | | | | |
|---|--|---|------------------|------|
| C | Provide and install Synthetic european Artificial Turf (5 cm heigh) Class A to cover existing concrete bench 6 x 0.6 x 0.4m. Installation should be done in a proper manner keeping in mind anormalities in construction . Product specifications should be approved by consultant before execution. | 7 | m2 | 0.00 |
| | Removal and disposal of existing artifical grass strips on concrete bench as instructed by engineer. Remove the demolished materials to approved dumps. | 1 | LS | 0.00 |
| | | | To Collection \$ | 0.00 |
| | | | | 0.00 |
| | Carried to Summary | | US\$ | 0.00 |

Borj Chemli -Nabaa center



Consultant/Engineer for Safe Spaces

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Development Report

1. Introduction

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RTP has assign **DES Design Engineering Services Co.** as **consultant/engineer** that exhibit knowledge in creation and maintenance of safe learning environments in the kindergartens/educational centers in Beirut, South, and North.

2. Sour Al rachidieh camps (Nabaa center)-Existing picture



Photo 1- Play area (missing grass/soil treatment)



Photo 2- Uncovered Water channel



Photo 3-Rusted Zink Roof



Photo 4-Cracks and unsafe parapets



Photo 5-Damaged doors (can't be closed)



Photo 6- Entrance ramp cracks

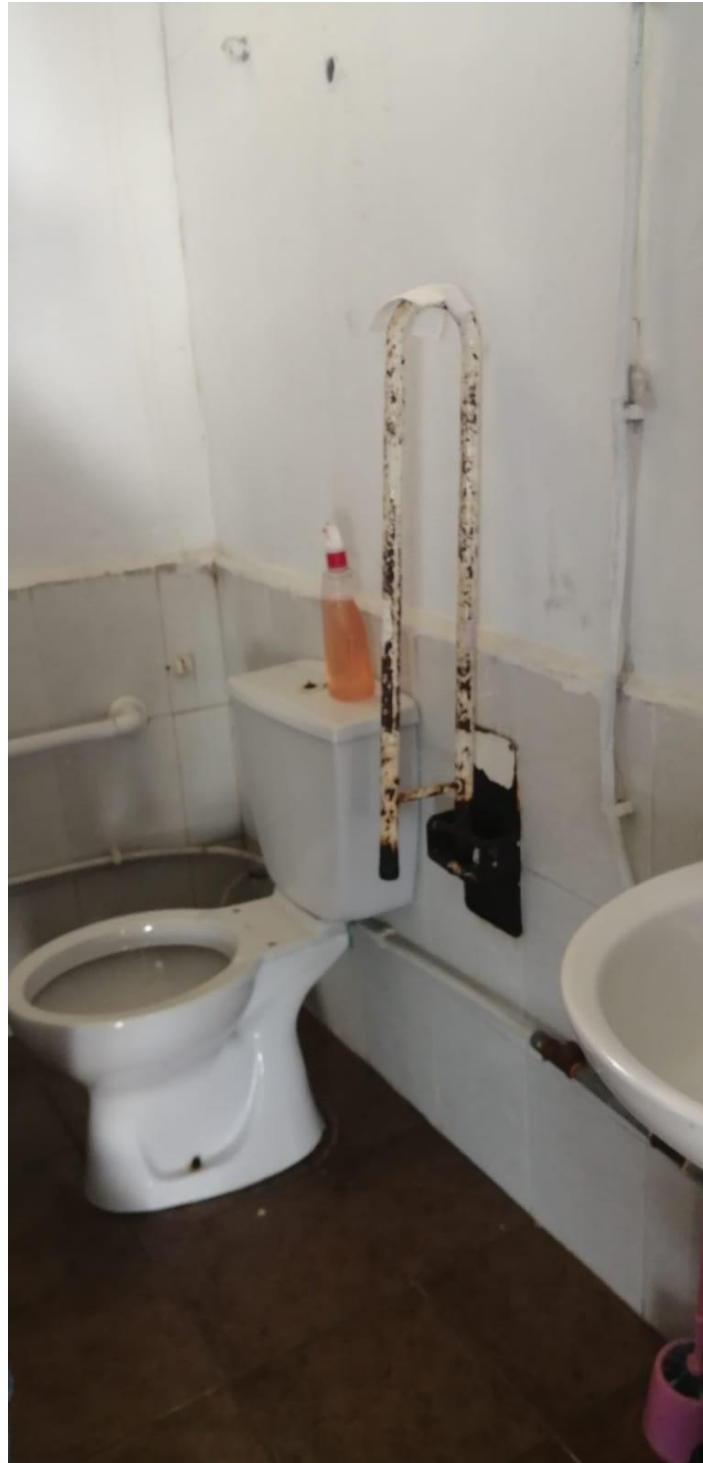


Photo 7- Disabled toilet handle damaged

3. Material selection



Artificial grass

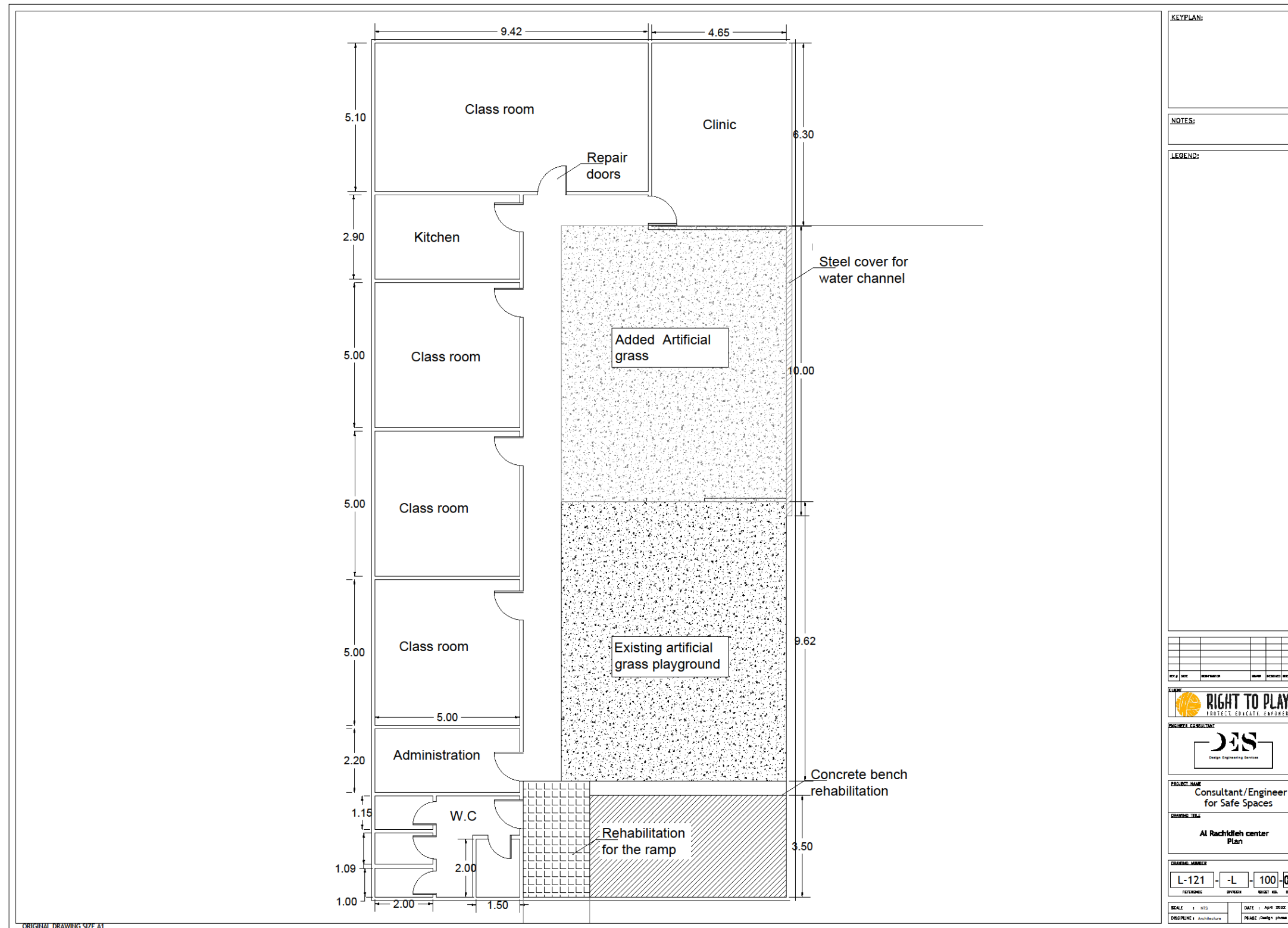


Water channel steel cover



Disabled toilet handle

4. Al Rachidieh-Nabaa center master plan



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5. Al Rachidieh-Nabaa center BOQ

Al Rachidieh
SITE WORKS

| Item | Description | Qty | Unit | Unit Rate | Amount US\$ |
|---|--|-----|------|-----------|----------------|
| <p><u>The contractor shall provide all equipments, workmanship, and execute the required works to the satisfaction of the Engineer.</u></p> | | | | | |
| <p><u>SECTION 01-Earth work</u></p> | | | | | |
| <p><u>Engineered demolition of ramp Remove the demolished materials to approved dumps as directed by the Engineer. all kind of piping and wiring and preparing surface to receive finishes as directed by the engineer.</u></p> | | | | | |
| A | Removal and dismantling of existing tiles floor (10 m2) removal of excess soil to dump area, leveling to required slops, compaction of bottom of trench | 1 | LS | | 0.00 |
| <p><u>SECTION 02-Artificial Grass & Floor tiles</u></p> | | | | | |
| B | Supply and install Ramp Floor tile indian cement mosaic similar to the existing tiles | 10 | m2 | | 0.00 |
| <p><u>Turf installation</u></p> | | | | | |
| C | Supply and install of Synthetic European Artificial Turf (5 cm heigh) Class A or equivalent. Works include installation with approved material adhesive (9.5x7.75 m) | 74 | m2 | | 0.00 |

SECTION 03- MAINTENANCE

Benches maintenance

| | | | | | |
|---|--|---|----|--|------|
| D | Concrete Benches maintenance (that includes fill in the cracks ,And chamfer edge on a concrete) (11 lm x 0.55 cm) | 6 | m2 | | 0.00 |
|---|--|---|----|--|------|

Zinc roof replacement

| | | | | | |
|---|---|----|----|--|------|
| E | Provide and install zinc sheets ceiling (8/10) with appropriate slope, on existing metal scaffold system that holds the sheets. (zink size 5 x 1 m) | 20 | m2 | | 0.00 |
|---|---|----|----|--|------|

| | | | | | |
|--|--|---|----|--|------|
| | Removal and disposal of debris the damaged existing zinc sheets as instructed by engineer. Remove the demolished materials to approved dumps.(4 sheets) | 1 | LS | | 0.00 |
|--|--|---|----|--|------|

Wooden doors maintenance

| | | | | | |
|---|--|----|---|--|------|
| F | Maintenance of the existing wooden doors (In order to open and closed correctly, and handle changing) | 12 | U | | 0.00 |
|---|--|----|---|--|------|

SECTION 04-ACCESSORIES

Steel water channel grates

| | | | | | |
|---|---|----|----|--|------|
| G | Customized steel cover for the existing water channel (opening 20 cm) , Grates shall be a minimum of 14ga stamped galvanized steel and shall have a minimum 9.52mm opening. Grates shall seat into channels without rocking and shall be locked to the channel using a zinc plated steel bolt and zinc plated steel toggle bar system with a bolt torque . | 11 | lm | | 0.00 |
|---|---|----|----|--|------|

Disabled toilet handle

| | | | | | |
|---|--|---|---|--|------|
| H | Replace Disabled toilet handle damaged wih new one similar to the existing | 1 | U | | 0.00 |
|---|--|---|---|--|------|

| | | | | |
|--|---------------|----|--|------|
| | To Collection | \$ | | 0.00 |
|--|---------------|----|--|------|

Al Rachidieh

| | | | | |
|--------------------|--|--|------|------|
| Carried to Summary | | | US\$ | 0.00 |
|--------------------|--|--|------|------|