

LIST OF DRAWINGS

A-000	List Of Drawings (LOD)
A-001	General Site Plan
A-002	Existing Basement Floor Plan
A-003	New Basement Floor Plan
A-004	Existing Ground Floor Plan
A-005	New Ground Floor Plan
A-006	Existing First Floor Plan
A-007	New First Floor Plan
A-008	Existing Second Floor Plan
A-009	New Second Floor Plan
A-010	Existing Third Floor Plan
A-011	New Third Floor Plan
A-012	Existing Roof Floor Plan
A-013	New Roof Floor Plan
A-014	Section



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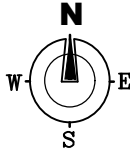
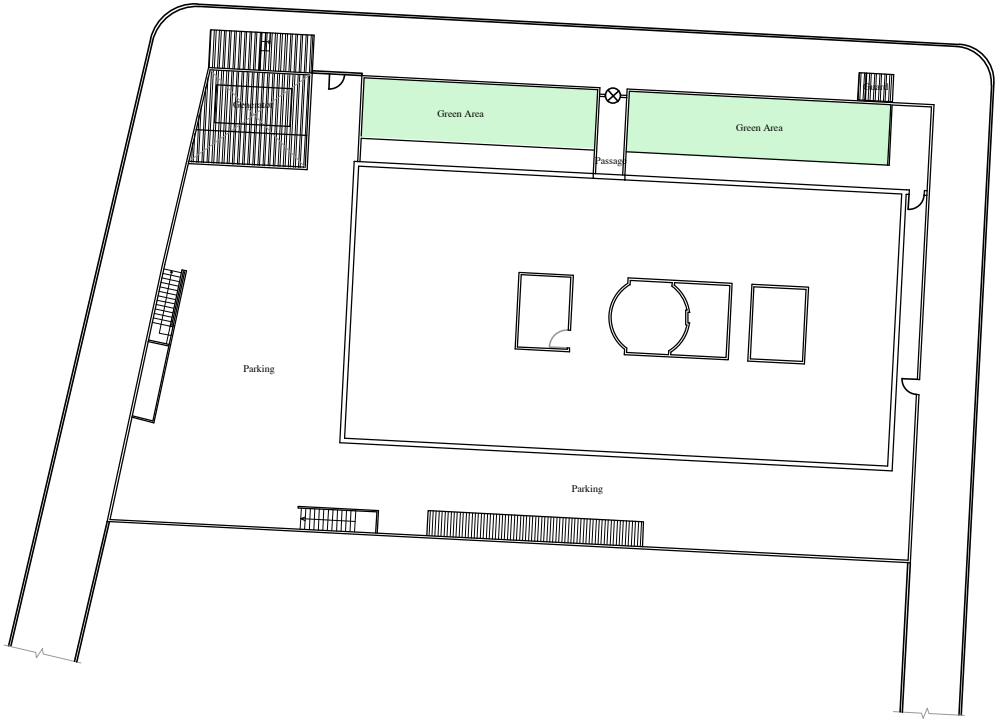
Rehabilitation of UNESCO Office Premises in Beirut
(Contract No. 4500398541)

BIR HASAN
ANNEX-IX (PHASE 2)

Designed	RA	Drawn	AZ
Approved	AC	Checked	AS

Scale	NTS	Date	September 2019
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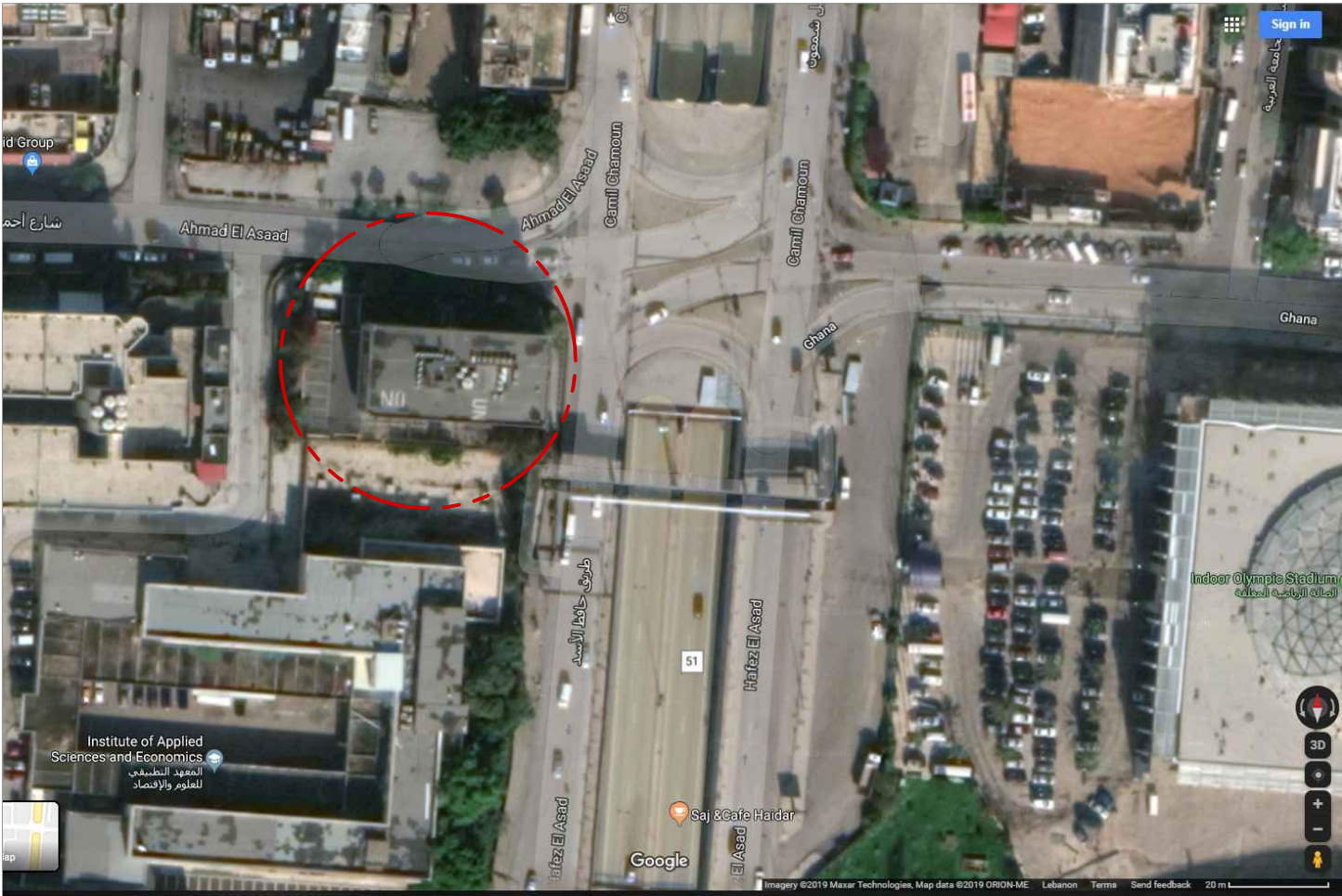
Project Number: TL1203	
Sheet Title: List Of Drawing (LOD)	
Sheet No.: A-000	Revision No.: 00
General Location : Bir Hasan	



Works to be done:

The followings are the indicative requested works:

- Rehabilitate the sanitary and electrical network and installations
- Provide complete thermal & moisture roof insulation as specified.
- Rehabilitate and paint entrance gates.



	New Aluminium Door
	Rehabilitate Wooden Door
	Rehabilitate Steel Door
	Maintenance Aluminum Window

Note:

- All levels are indicative exact levels to be determined to site.
- The contractor should revise all measurement on site.
- The contractor should provide concrete strength & steel bars tests before starting the works.
- All proposals and execution methods shall be authorized by the engineer prior to commencement of works on site.



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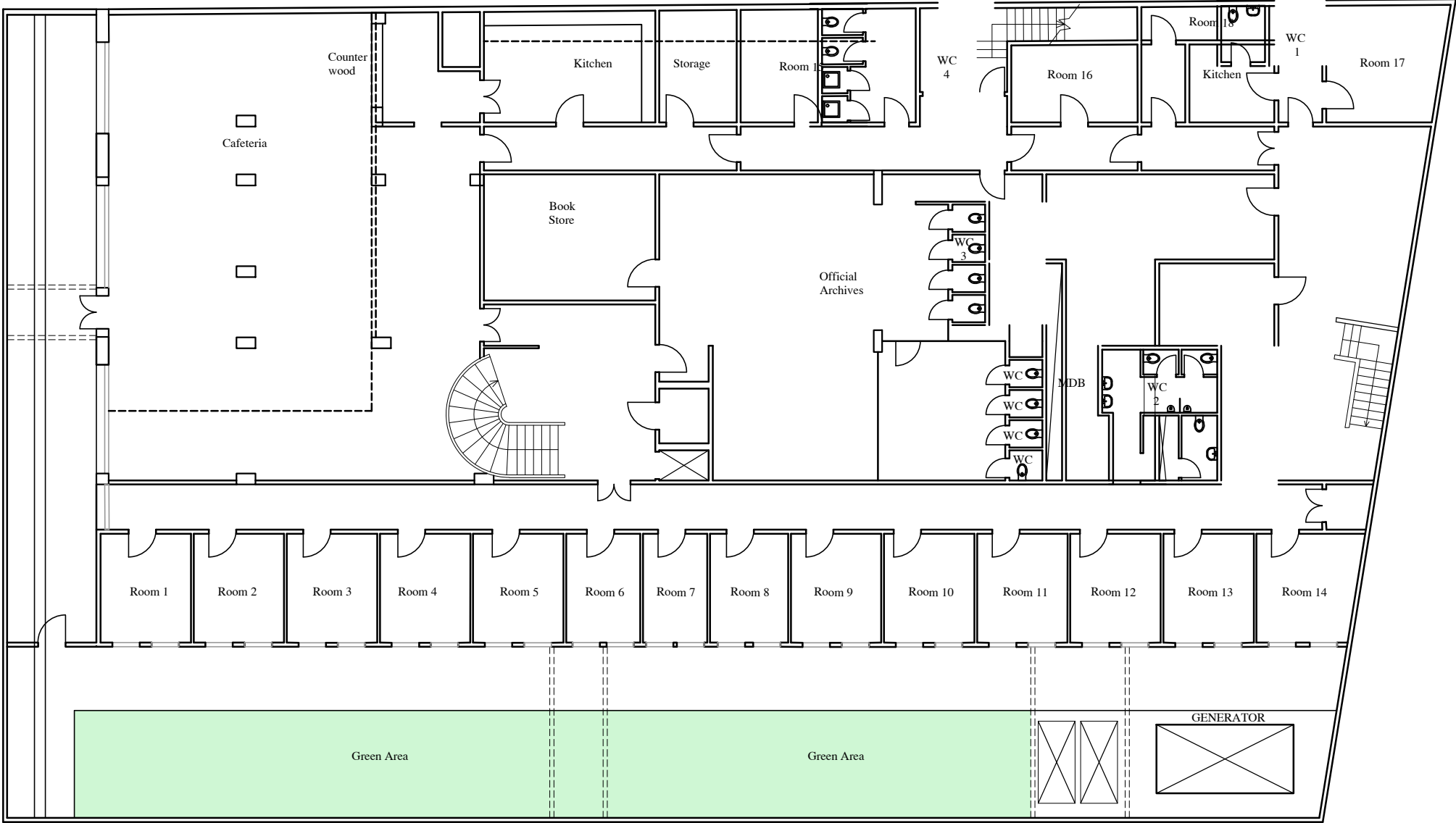
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed RA	Drawn AZ	Project Number: TL1203	
Approved AC	Checked AS	Sheet Title: General Site Plan	
Scale NTS	Date September 2019	Sheet No.: A-001	Revision No.: 00
General Location : Bir Hasan			



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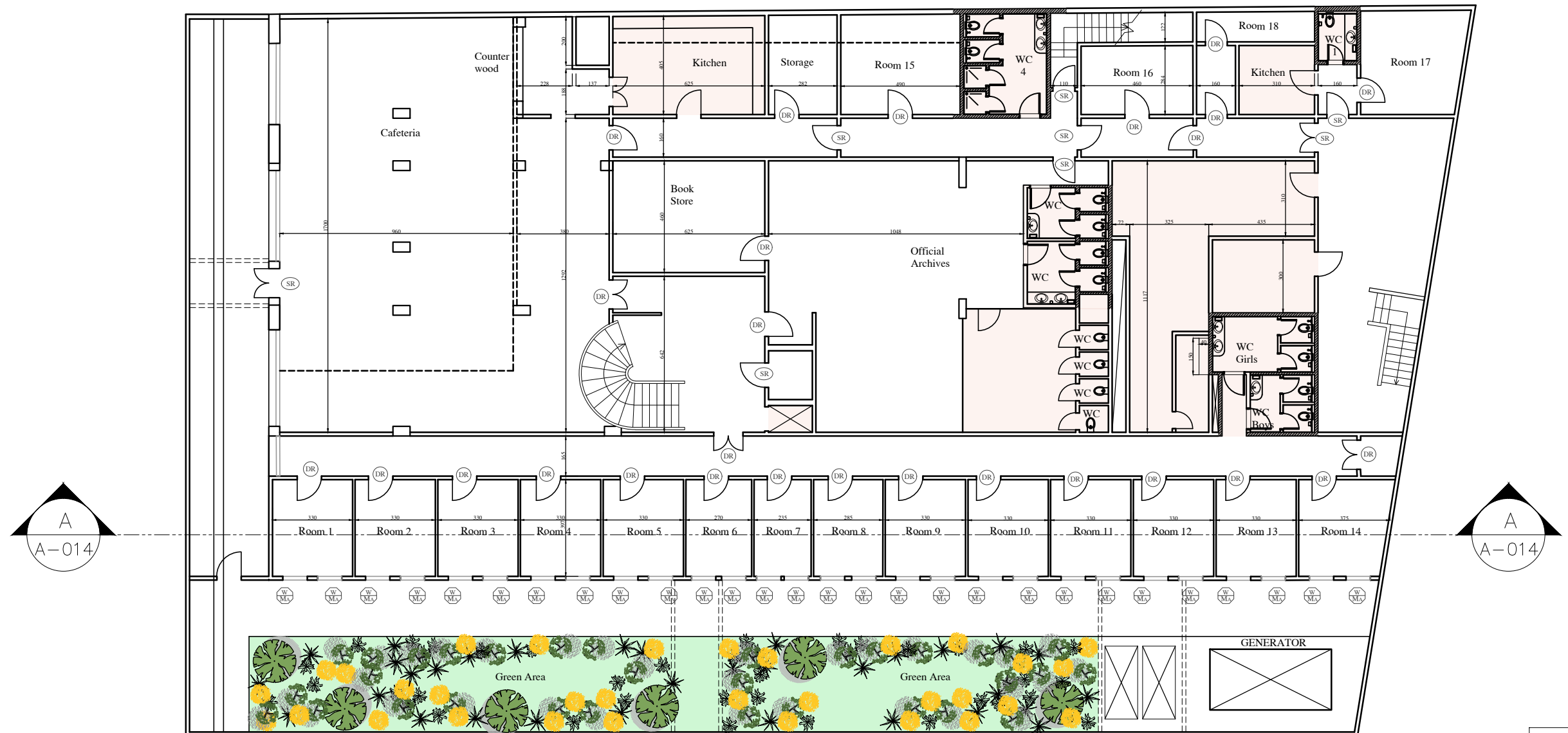


Rehabilitation of UNESCO Office Premises in Beirut
(Contract No. 4500398541)

BIR HASAN
ANNEX-IX (PHASE 2)

Designed	RA	Drawn	AZ
Approved	AC	Checked	AS
Scale	1/200	Date	September 2019

Project Number: TL1203	
Sheet Title: Existing Basement Floor Plan	
Sheet No.: A-002	Revision No.: 00
General Location : Bir Hasan	



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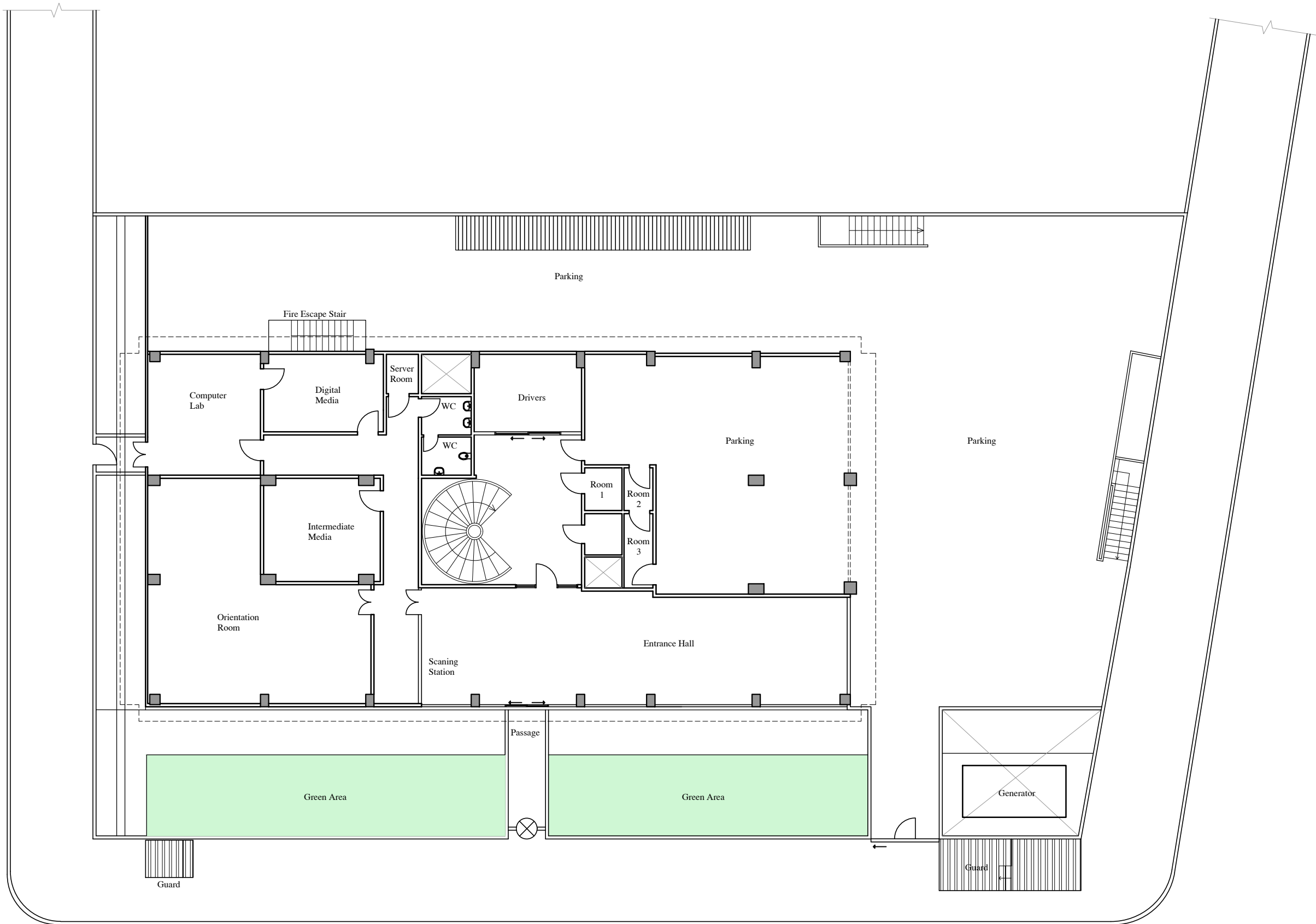
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed RA	Drawn AZ	Project Number: TL1203	
Approved AC	Checked AS	Sheet Title: New Basement Floor Plan	
Scale 1/200	Date September 2019	Sheet No.: A-003	Revision No.: 00
General Location : Bir Hasan			



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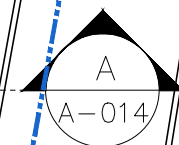
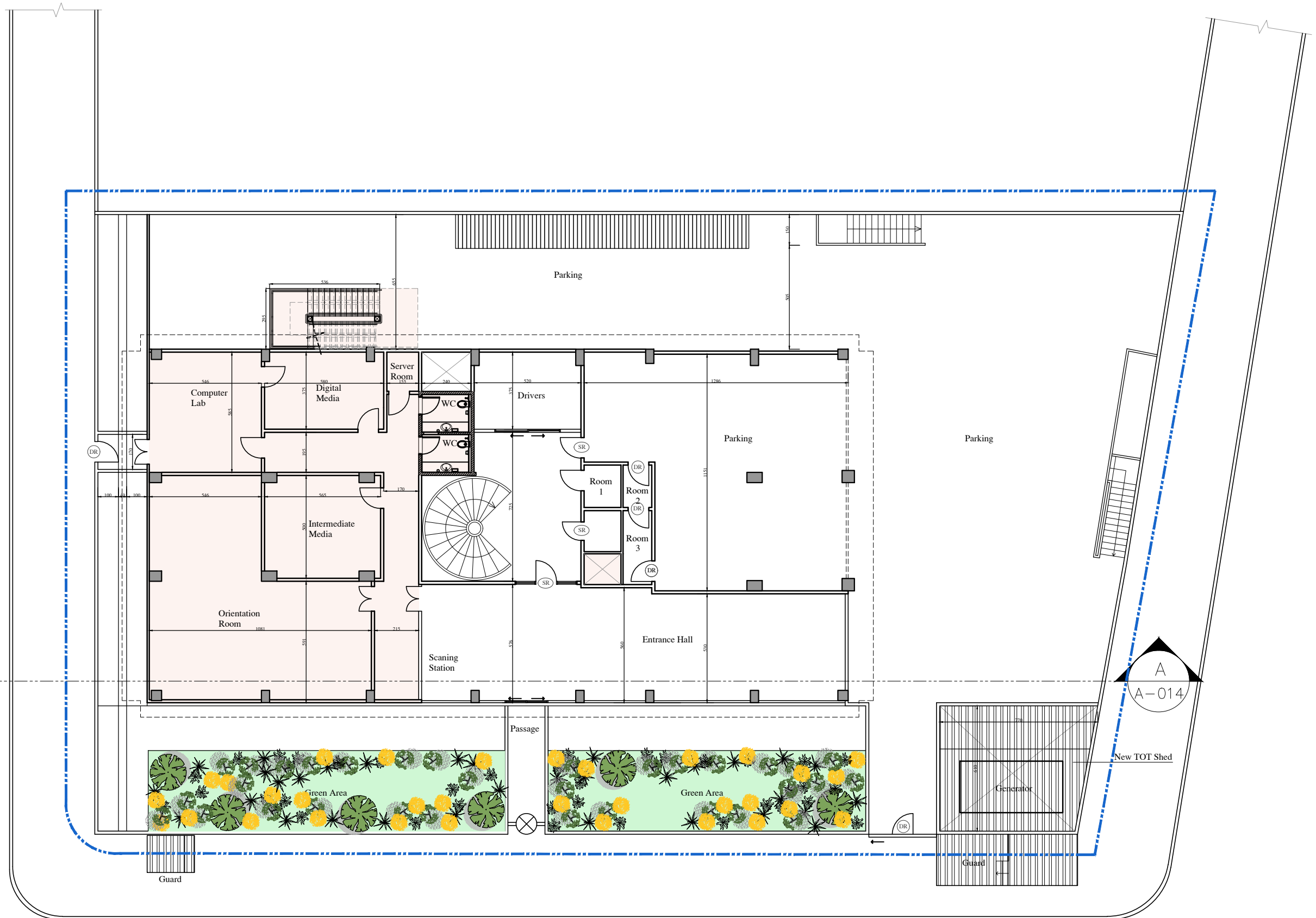
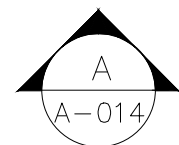
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed	RA	Drawn	AZ
Approved	AC	Checked	AS
Scale	1/200	Date	September 2019

Project Number: TL1203	
Sheet Title: Existing Ground Floor Plan	
Sheet No.: A-004	Revision No.: 00
General Location : Bir Hasan	



*New Chain Link	
*Rehab Existing Fence	
*New Burglar Protection Line	
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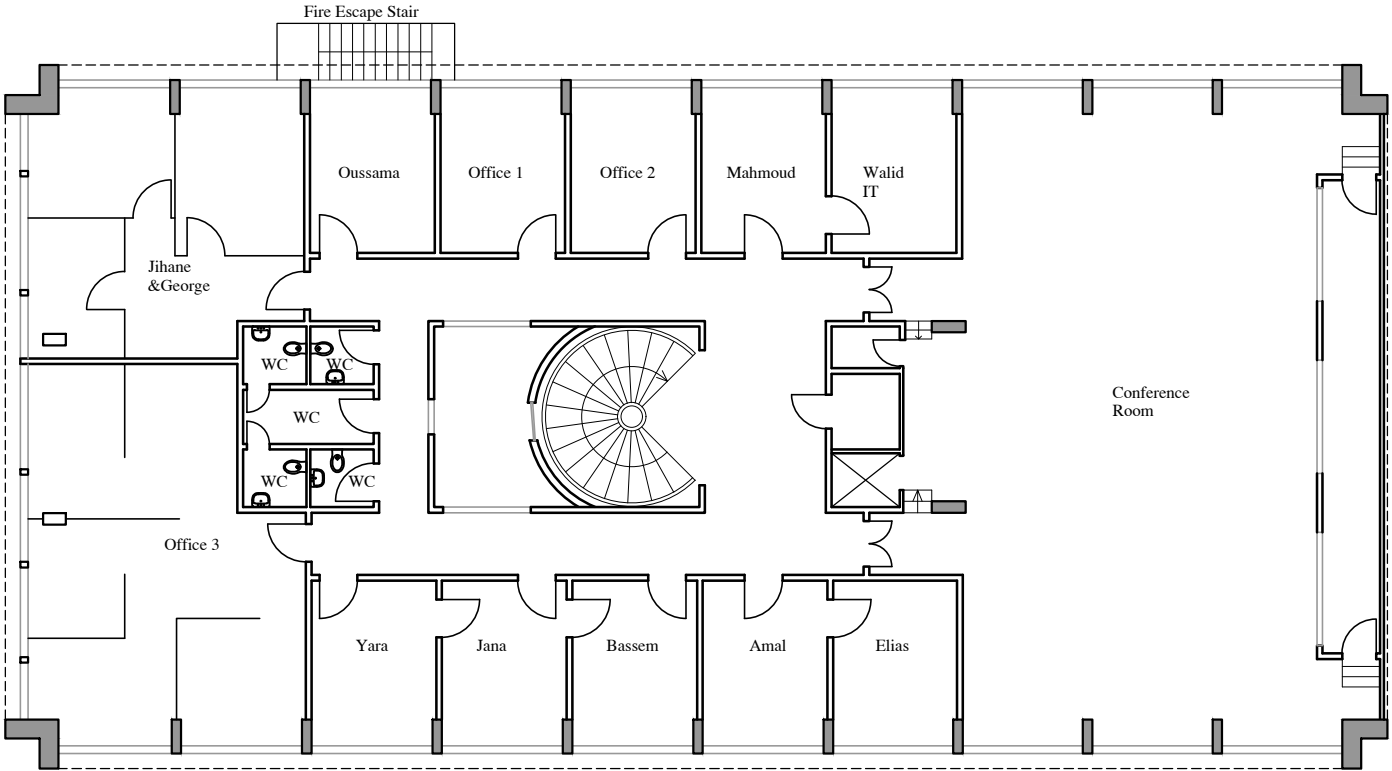
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed RA	Drawn AZ	Project Number: TL1203	
Approved AC	Checked AS	Sheet Title: New Ground Floor Plan	
Scale 1/200	Date September 2019	Sheet No.: A-005	Revision No.: 00
General Location : Bir Hasan			



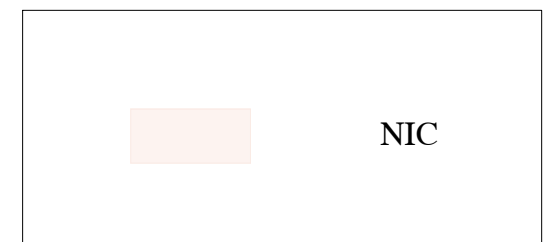
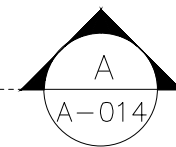
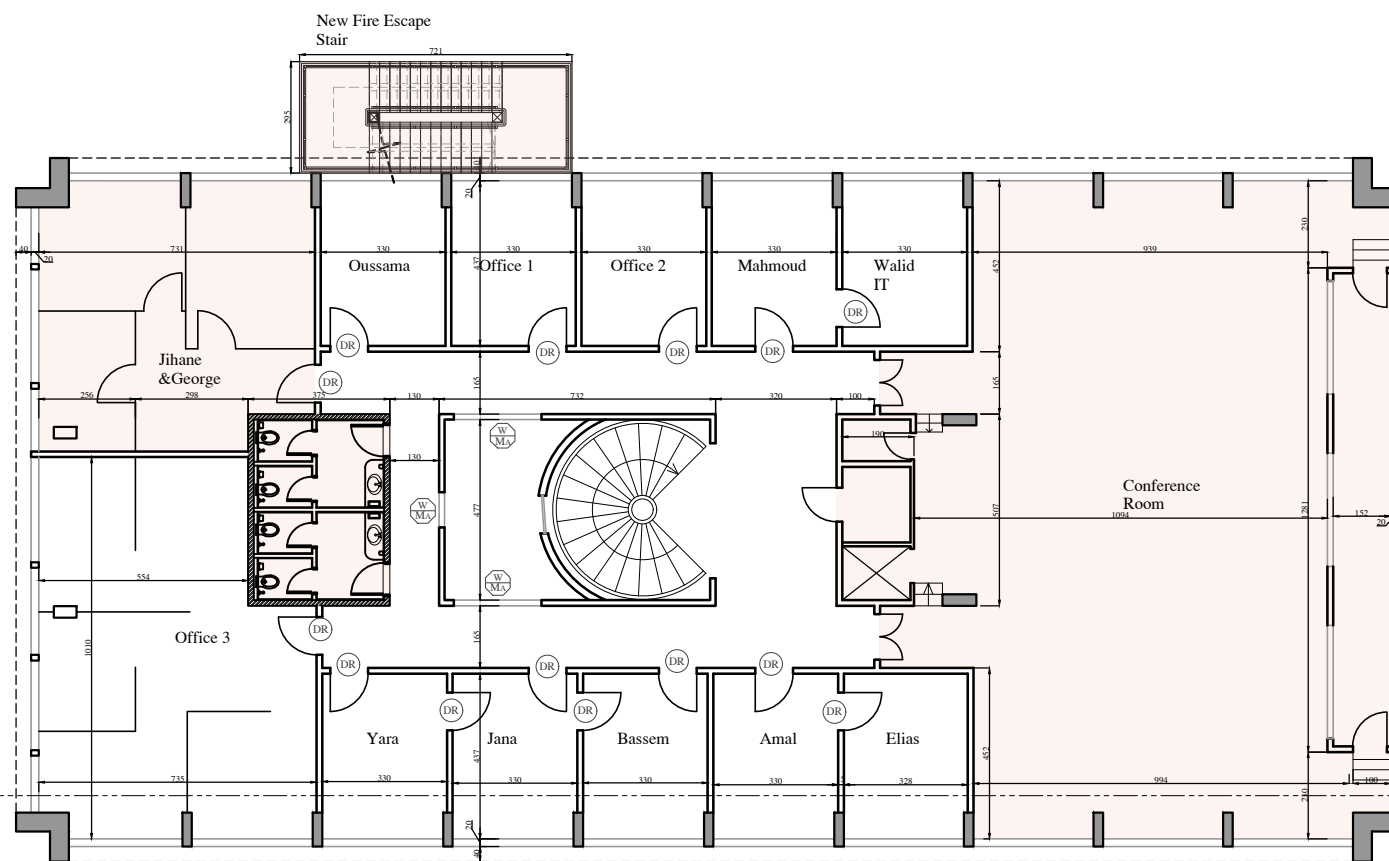
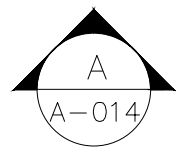
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(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed RA	Drawn AZ	Project Number: TL1203	
Approved AC	Checked AS	Sheet Title: Existing First Floor Plan	
Scale 1/200	Date September 2019	Sheet No.: A-006	Revision No.: 00
General Location : Bir Hasan			



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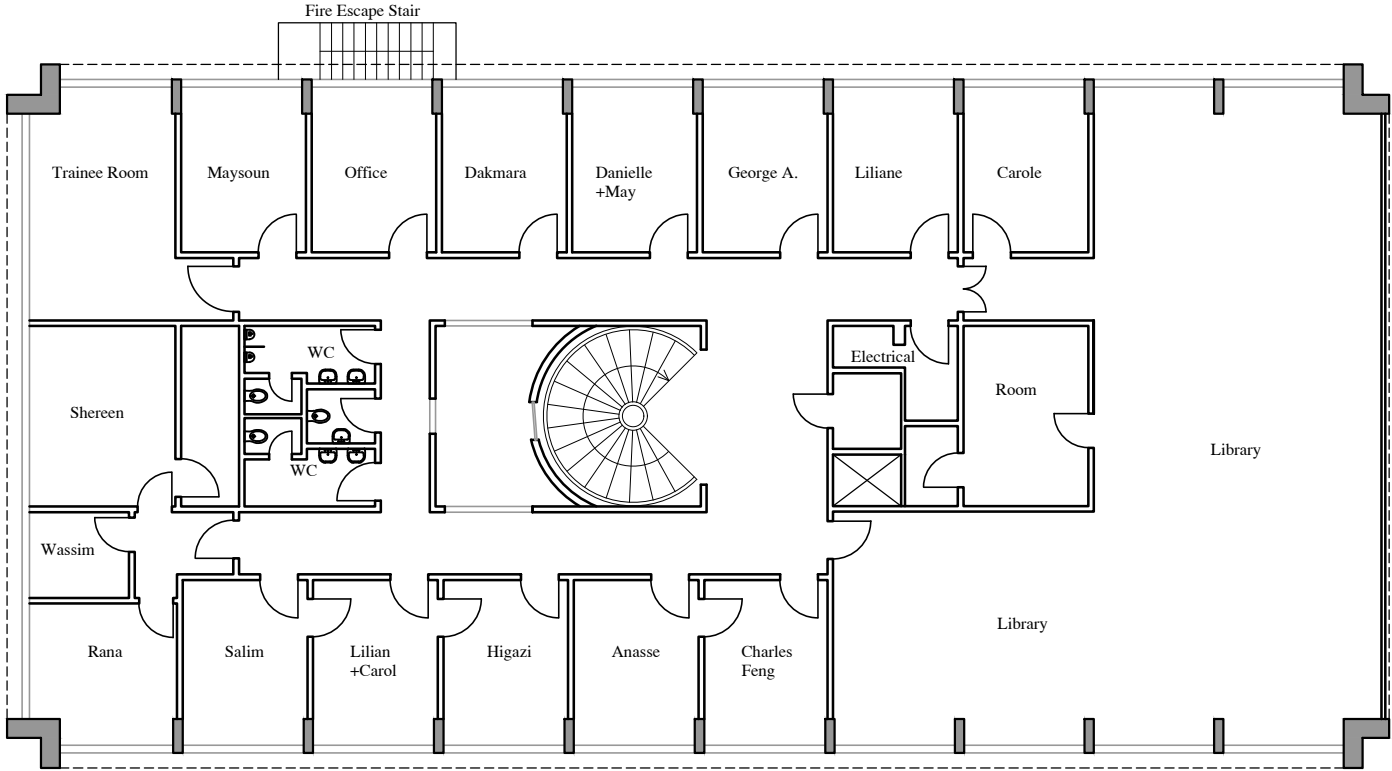
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed RA	Drawn AZ	Project Number: TL1203	
Approved AC	Checked AS	Sheet Title: New First Floor Plan	
Scale 1/200	Date September 2019	Sheet No.: A-007	Revision No.: 00
General Location : Bir Hasan			



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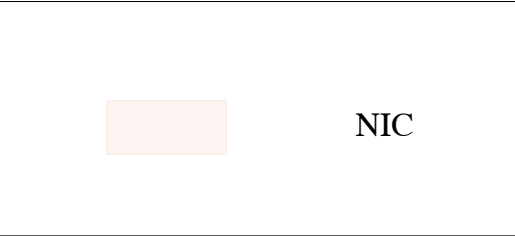
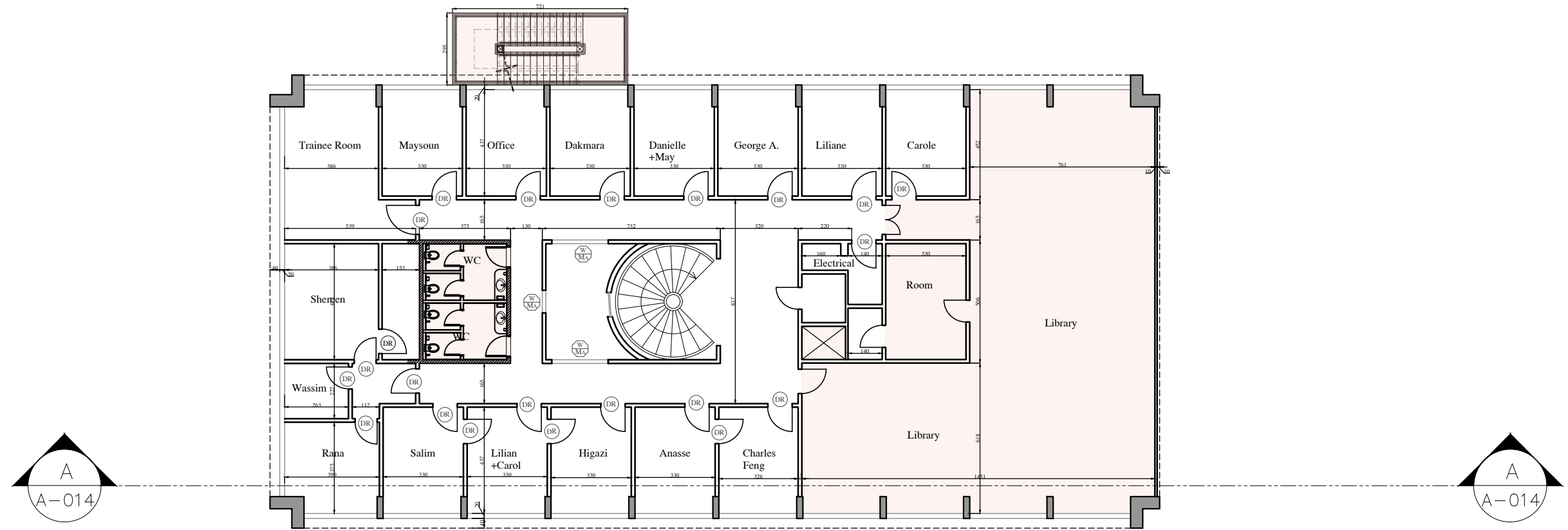


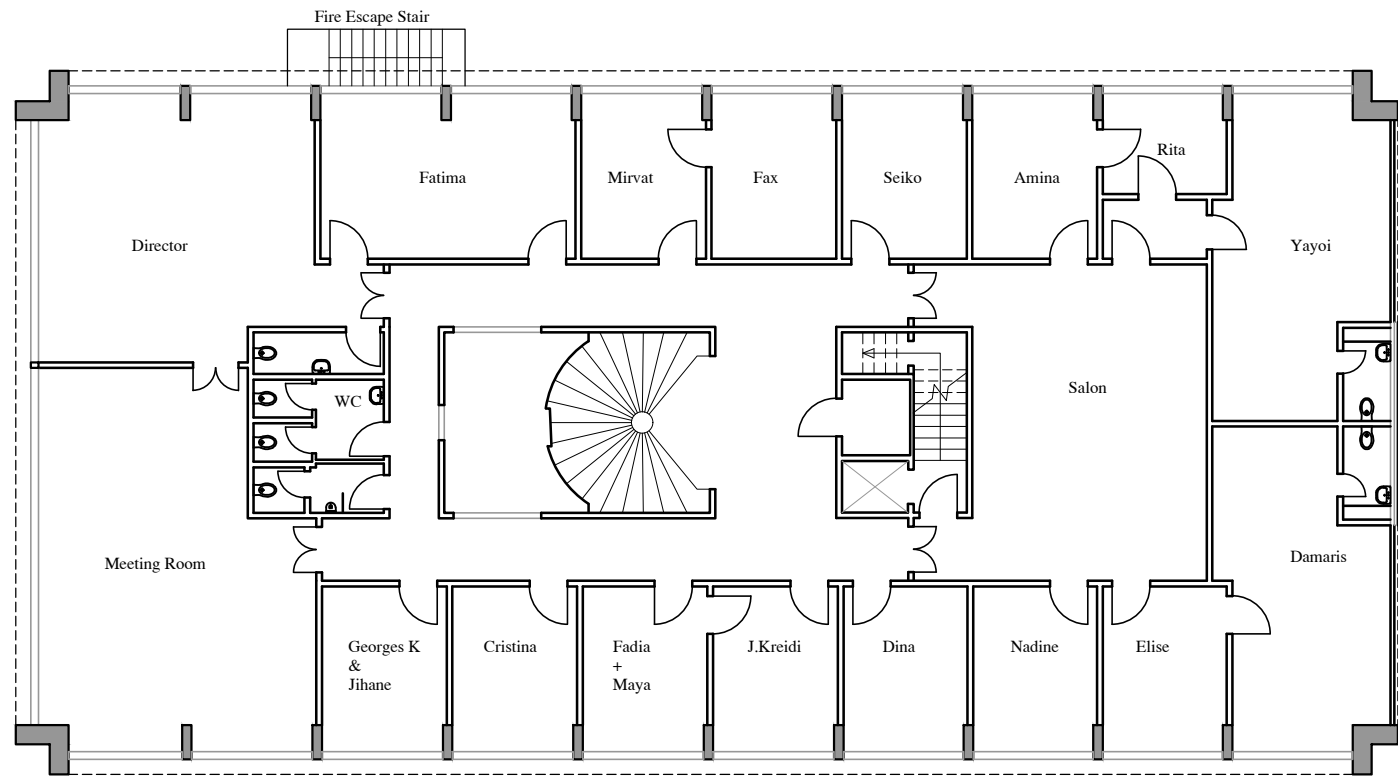
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(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed	RA	Drawn	AZ
Approved	AC	Checked	AS
Scale	1/200	Date	September 2019

Project Number: TL1203	
Sheet Title: Existing Second Floor Plan	
Sheet No.: A-008	Revision No.: 00
General Location : Bir Hasan	





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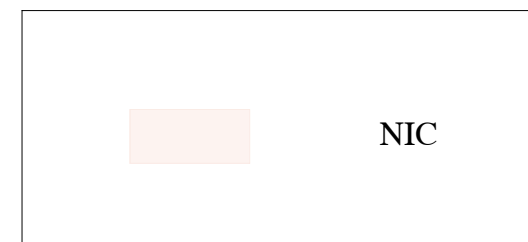
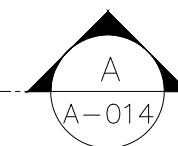
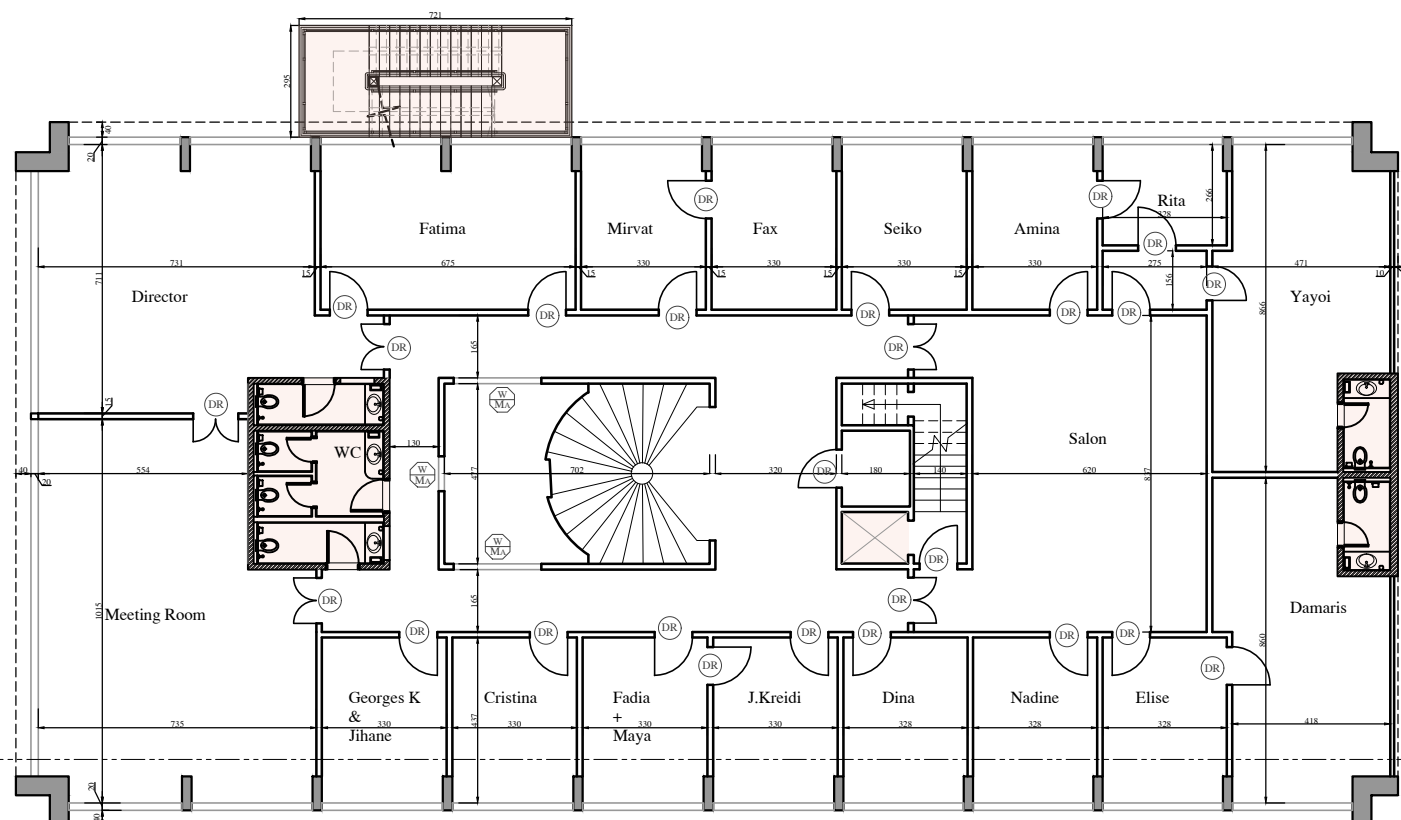
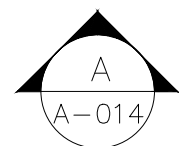
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed RA	Drawn AZ	Project Number: TL1203	
Approved AC	Checked AS	Sheet Title: Existing Third Floor Plan	
Scale 1/200	Date September 2019	Sheet No.: A-010	Revision No.: 00
General Location : Bir Hasan			



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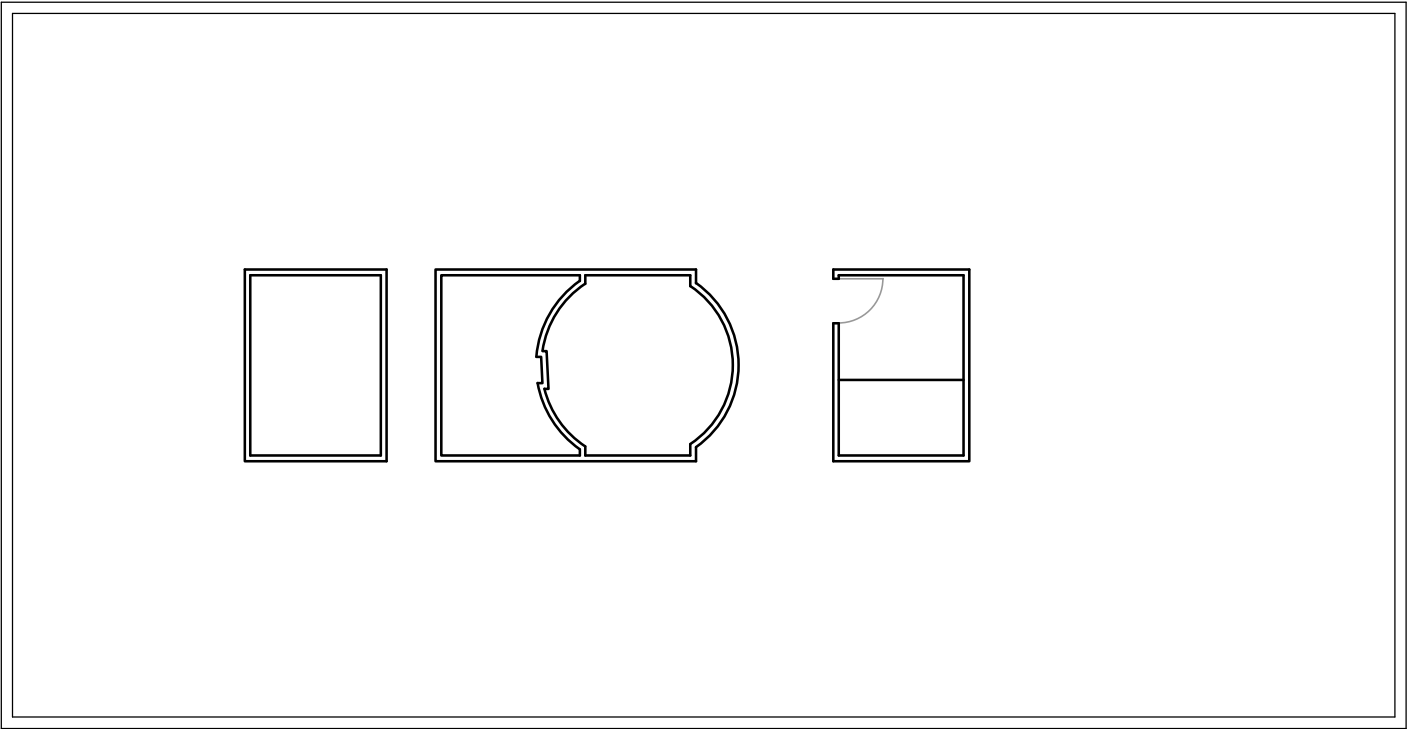
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ANNEX-IX (PHASE 2)

Designed RA	Drawn AZ
Approved AC	Checked AS
Scale 1/200	Date September 2019

Project Number: TL1203	
Sheet Title: New Third Floor Plan	
Sheet No.: A-011	Revision No.: 00
General Location : Bir Hasan	



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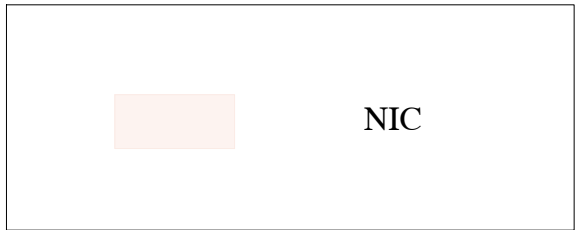
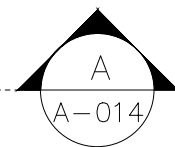
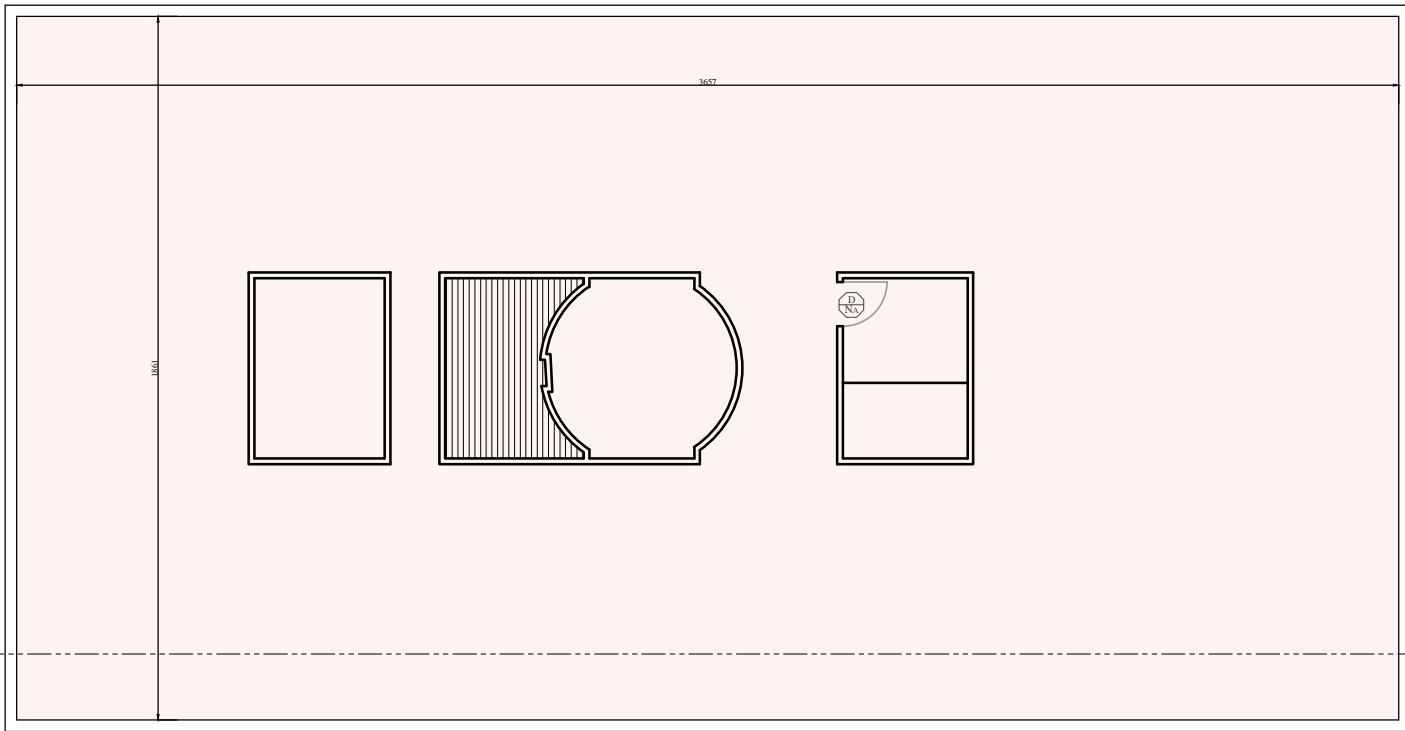
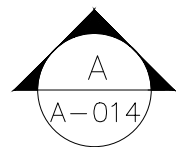
Rehabilitation of UNESCO Office Premises in Beirut
(Contract No. 4500398541)

BIR HASAN
ANNEX-IX (PHASE 2)

Designed	RA	Drawn	AZ
Approved	AC	Checked	AS

Scale	Date
1/200	September 2019

Project Number: TL1203	
Sheet Title: Existing Roof Floor Plan	
Sheet No.: A-012	Revision No.: 00
General Location : Bir Hasan	



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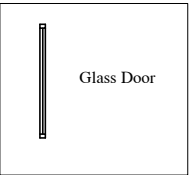
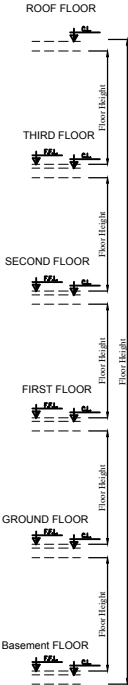
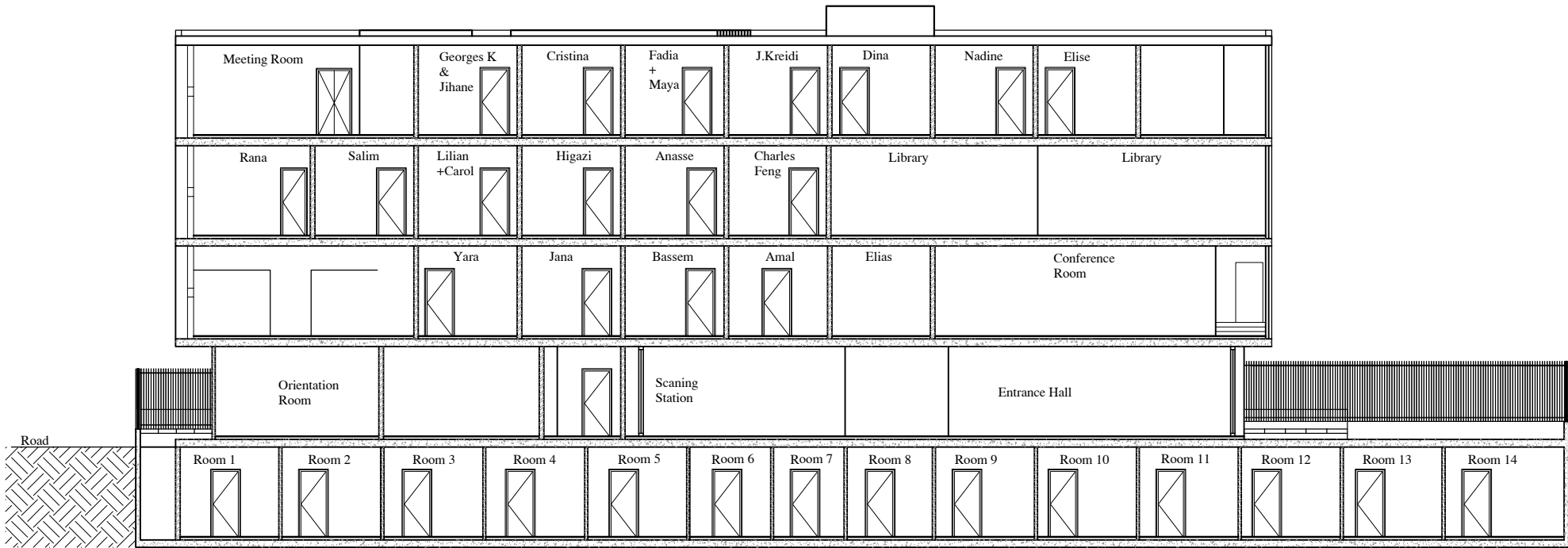
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed	RA	Drawn	AZ
Approved	AC	Checked	AS
Scale	1/200	Date	September 2019

Project Number:		TL1203	
Sheet Title:		New Roof Floor Plan	
Sheet No.:	A-013	Revision No.:	00
General Location : Bir Hasan			



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(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed	RA	Drawn	AZ
Approved	AC	Checked	AS
Scale	1/200	Date	September 2019

Project Number:		TL1203	
Sheet Title:		Section	
Sheet No.:	A-014	Revision No.:	00
General Location : Bir Hasan			

LIST OF DRAWINGS

E-000	List Of Drawings (LOD)
E-001	Legend And Panel Board Schedule
E-300	Basement Floor Power Layout
E-301	Ground Floor Power Layout
E-302	First Floor Power Layout
E-303	Second Floor Power Layout
E-304	Third Floor Power Layout
E-305	Roof Floor Power Layout



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Rehabilitation of UNESCO Office Premises in Beirut	
(Contract No. 4500398541)	
BIR HASAN	
ANNEX-IX	

Designed SH	Drawn SH
Approved AC	Checked AG
Scale NTS	Date September 2019

Project Number: TL1203	
Sheet Title: List Of Drawing (LOD)	
Sheet No.: E-000	Revision No.: 01
General Location : Bir Hasan	

SYMBOL	DESCRIPTION	POWER LEGEND
	WALL MOUNTED PANEL BOARD.	
 X,Y	DISCONNECT SWITCH , X: SINGLE OF 3 PHASE , Y: RATING.	
	THERMOSTAT.	

FINAL BRANCH CIRCUIT PANELBOARD																	
BUILDING _UNESCO BUILDING_____				LOCATION _GROUND FLOOR_____				PANEL REF. _PB-HVAC_____									
VOLTAGE & FREQ. _380/220V,50Hz_____				S.C. RATING (I.C.) _10 kA_____				PANEL TYPE _mcb, SURFACE MOUNTED_____									
DESIGNATION OF LOAD	WIRE SIZE mm2	PHASE LOAD IN AMPS			TRIP RATING			PHASE LOAD IN AMPS			WIRE SIZE mm2	DESIGNATION OF LOAD					
		R	Y	B	R	Y	B	R	Y	B							
FCU-3rd Floor	2.5	10			1	16		16	2	10		FCU-1st Floor					
FCU-3rd Floor	2.5		8.5		3	16		16	4		8.5	FCU-1st Floor					
FCU-3rd Floor	2.5			10	5	16		16	6		7	FCU-B1					
FCU-2nd Floor	2.5	8.5			7	16		16	8	1.5		EF-B1					
FCU-2nd Floor	2.5		7		9	16		20	10			Spare					
FCU-2nd Floor	2.5		7		11	16		20	12			Spare					
ACU-3rd Floor	3x25 1x16	67			13	80		40	14	27		ACU-1st Floor					
			67		15			16		27	3x10 1x10						
				67	17			18		27							
ACU-2nd Floor	3x10 1x10	38			19	40		40	20	23		ACU-B1					
			38		21			22		23	3x10 1x10						
				38	23			24		23							
					25				26								
SUBTOTALS (AMPS)		123.5	20.5	122				61.5	58.5	57							
TOTAL AMPS (CONNECTED)		185	179	179				4*250A		AMPS TRIP/FRAME S.C. RATING (I.C.) _15 kA_____							
TOTAL CONNECTED LOAD _119_ kVA								LIGHTING		HVAC		S.OUTLET		MISC.		TOTAL	
4X25A, 30mA RCCB .								CONN. kVA		0		119		0		119	
4X25A, 300mA RCCB .								DEM. FACTOR		0		1		0		1	
AC3 CONTACTOR-SAME SIZE AS BREAKER INTERFACED WITH FIRE ALARM SYSTEM								DEMAND kVA		0		119		0		119	
AC3 CONTACTOR-SAME SIZE AS BREAKER CONTROLLED BY MOTION DETECTORS																	
MOTOR CIRCUIT BREAKER																	



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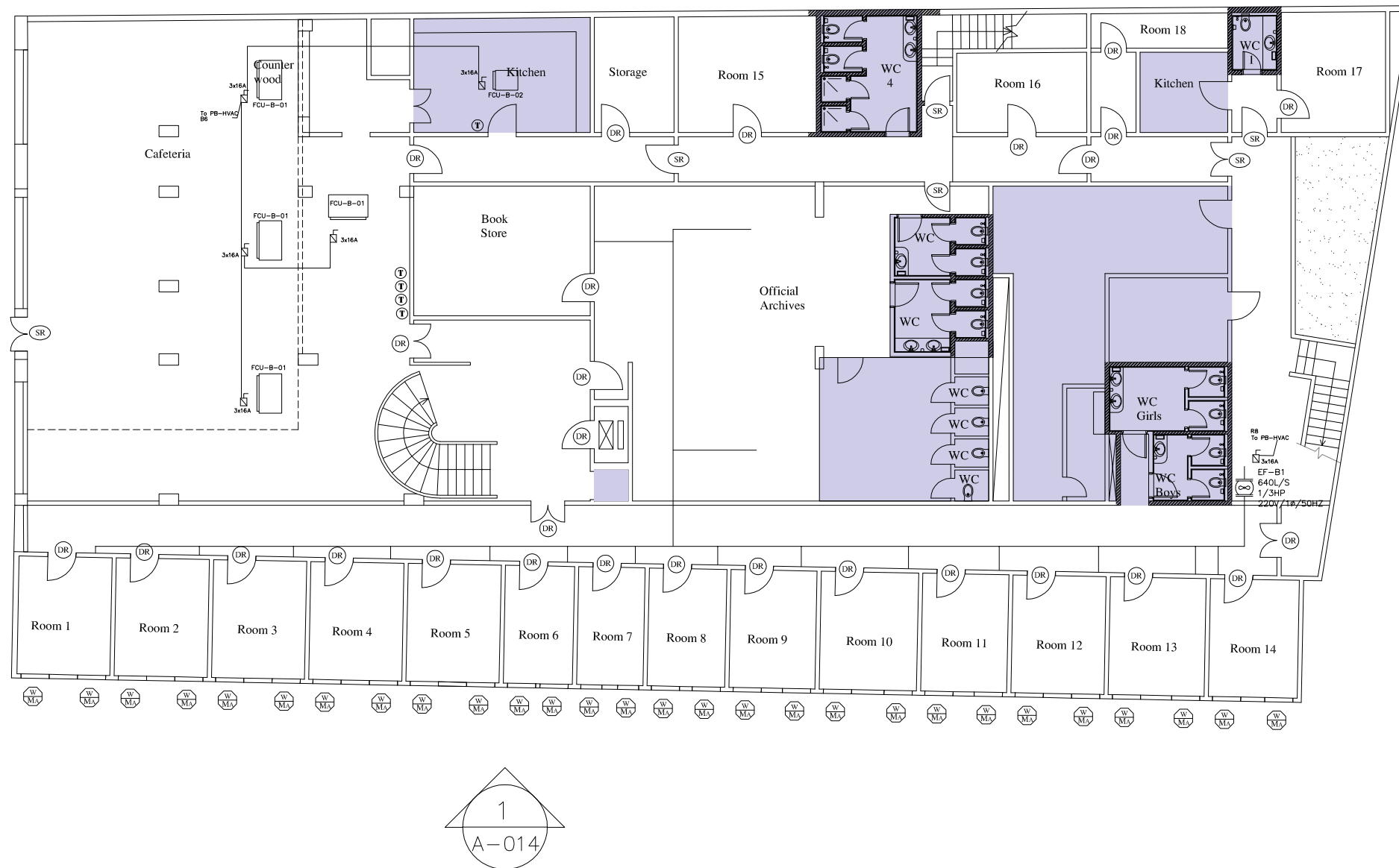
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

BIR HASAN
ANNEX-IX (PHASE 2)

Designed	SH	Drawn	SH
Approved	AC	Checked	AG
Scale	NTS	Date	September 2019

Project Number:		TL1203	
Sheet Title:		Legend And Panel board Schedule	
Sheet No.:	E-001	Revision No.:	00
General Location : Bir Hasan			



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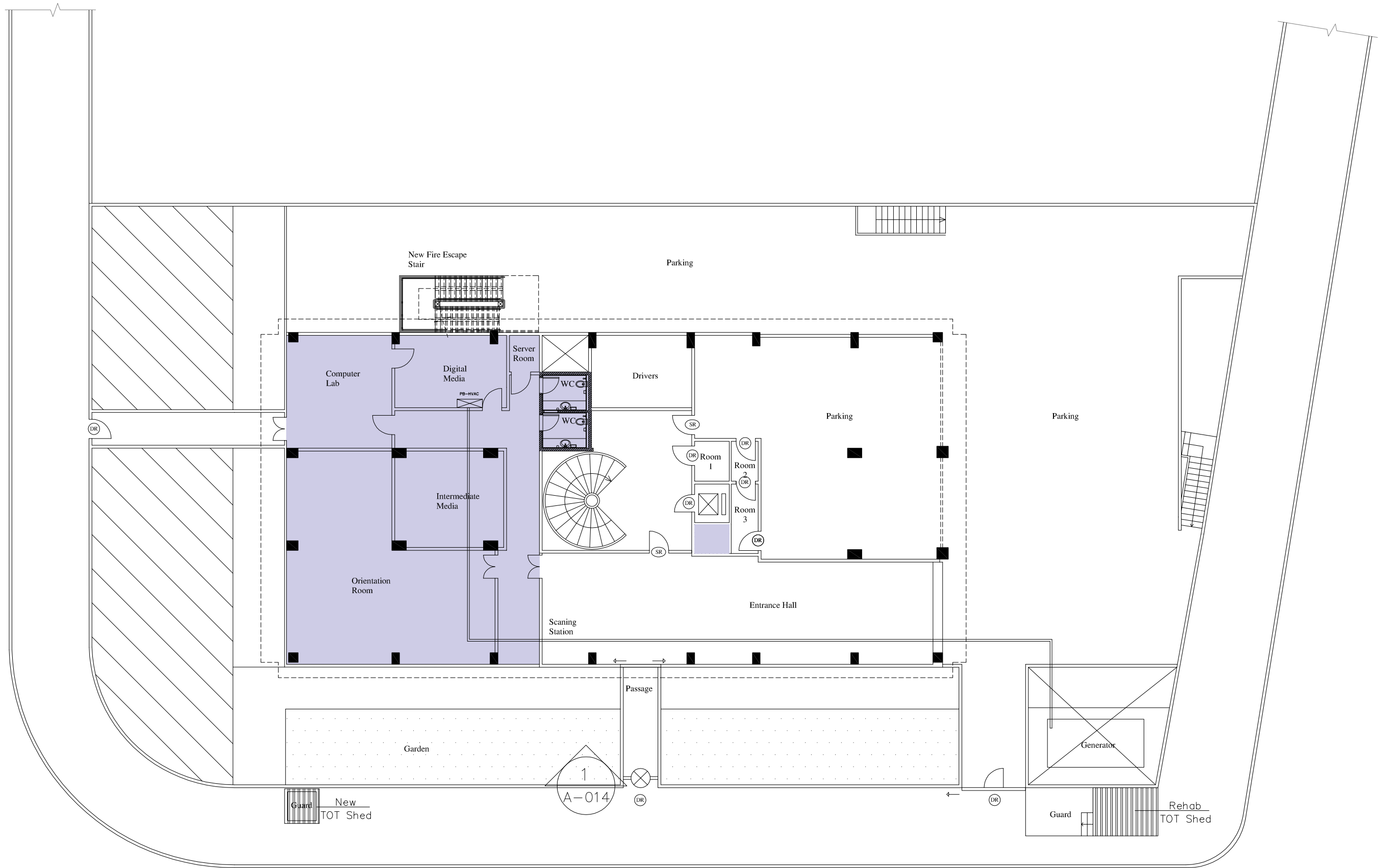
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed SH	Drawn SH
Approved AC	Checked AG
Scale 1/200	Date September 2019

Project Number: TL1203	
Sheet Title: Basement Floor Power Layout	
Sheet No.: E-300	Revision No.: 00
General Location : Bir Hasan	



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Rehabilitation of UNESCO Office Premises in Beirut

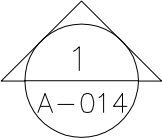
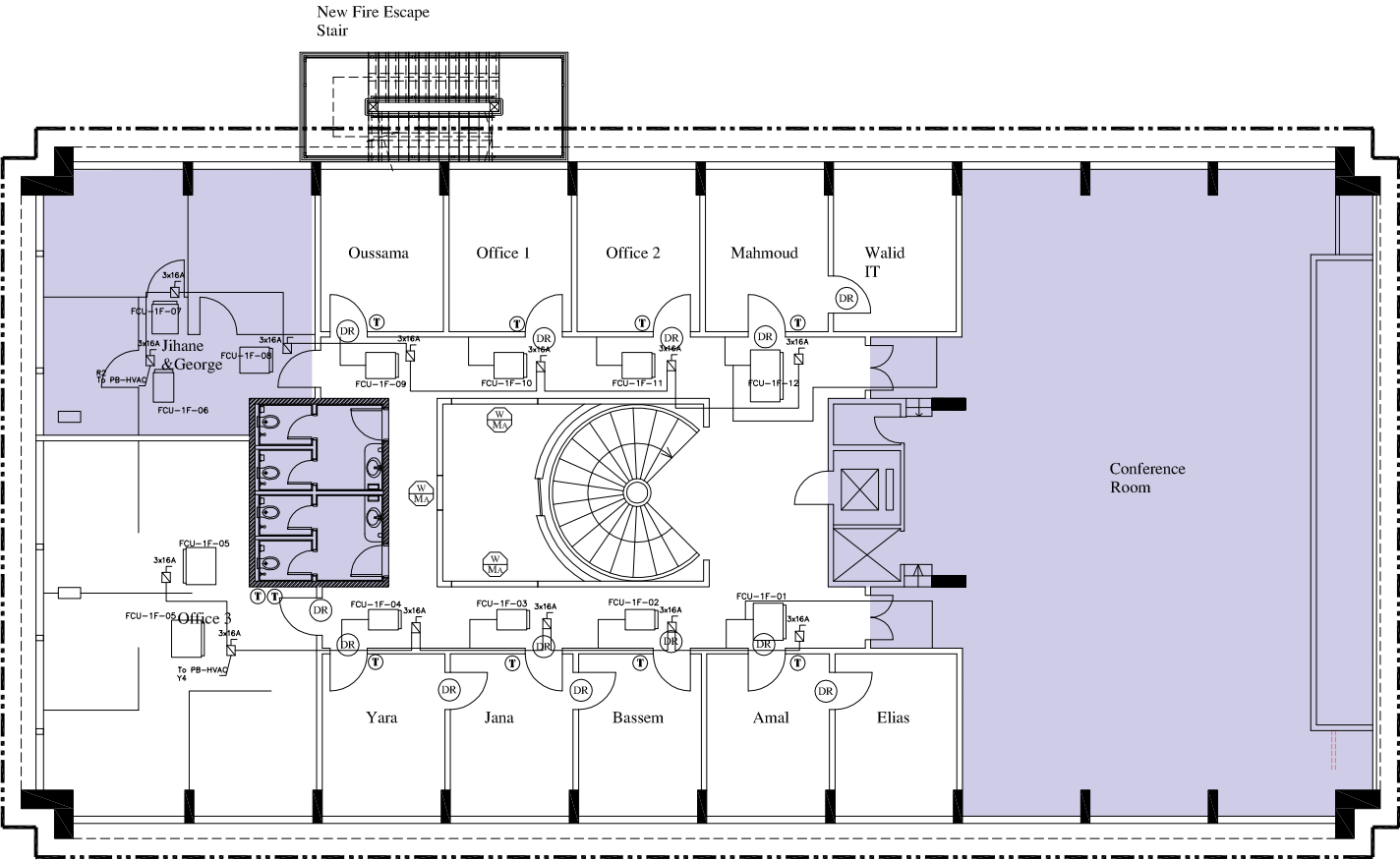
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ANNEX-IX (PHASE 2)

Designed	SH	Drawn	SH
Approved	AC	Checked	AG
Scale	1/200	Date	September 2019

Project Number:		TL1203	
Sheet Title:		Ground Floor Power Layout	
Sheet No.:	E-301	Revision No.:	00
General Location : Bir Hasan			



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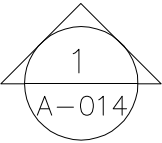
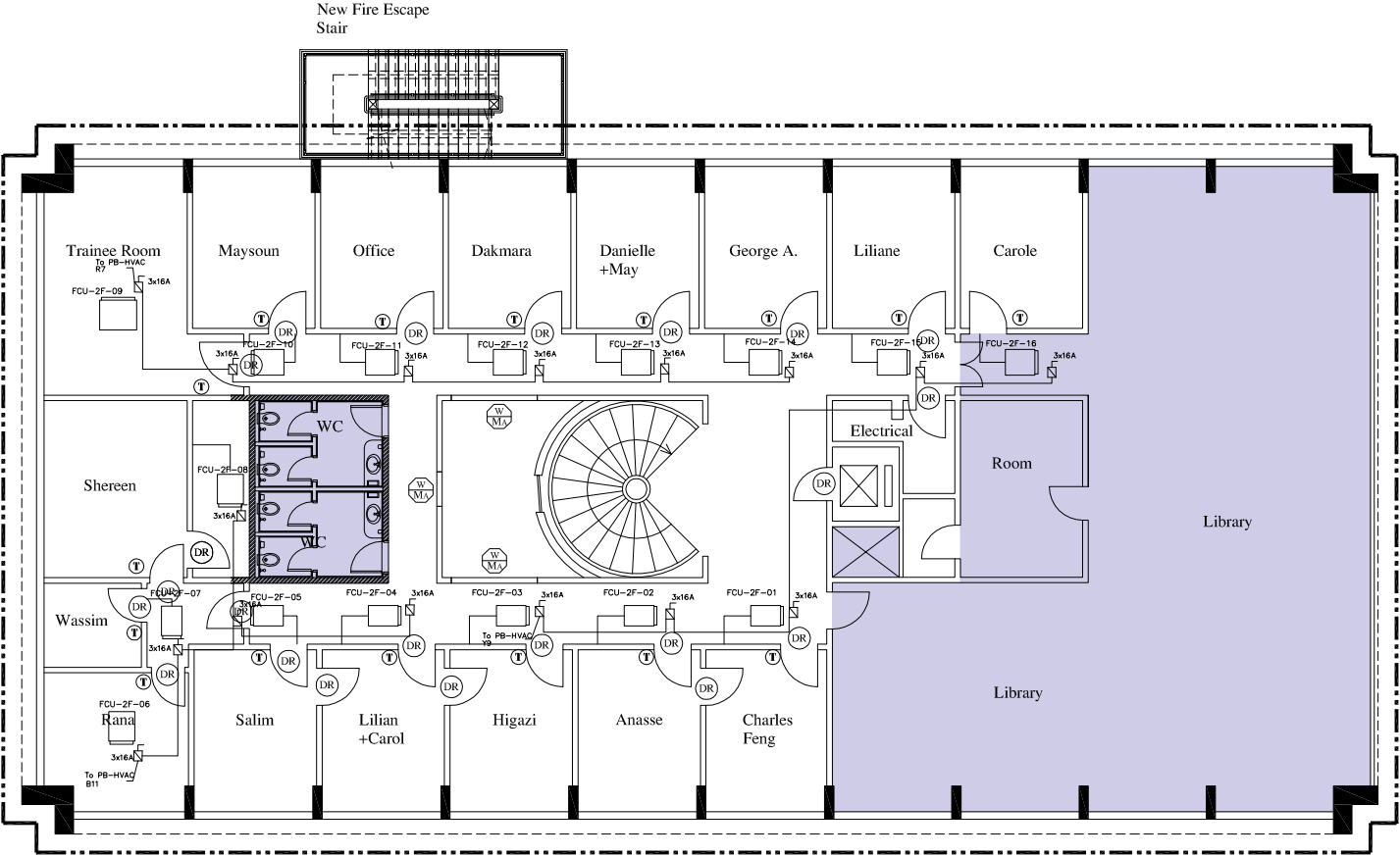


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ANNEX-IX (PHASE 2)

Designed	SH	Drawn	SH
Approved	AC	Checked	AG
Scale	1/200	Date	September 2019

Project Number: TL1203	
Sheet Title: First Floor Power Layout	
Sheet No.: E-302	Revision No.: 00
General Location : Bir Hasan	



New Cladding
(Mechanical Fixation)



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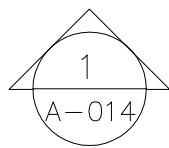
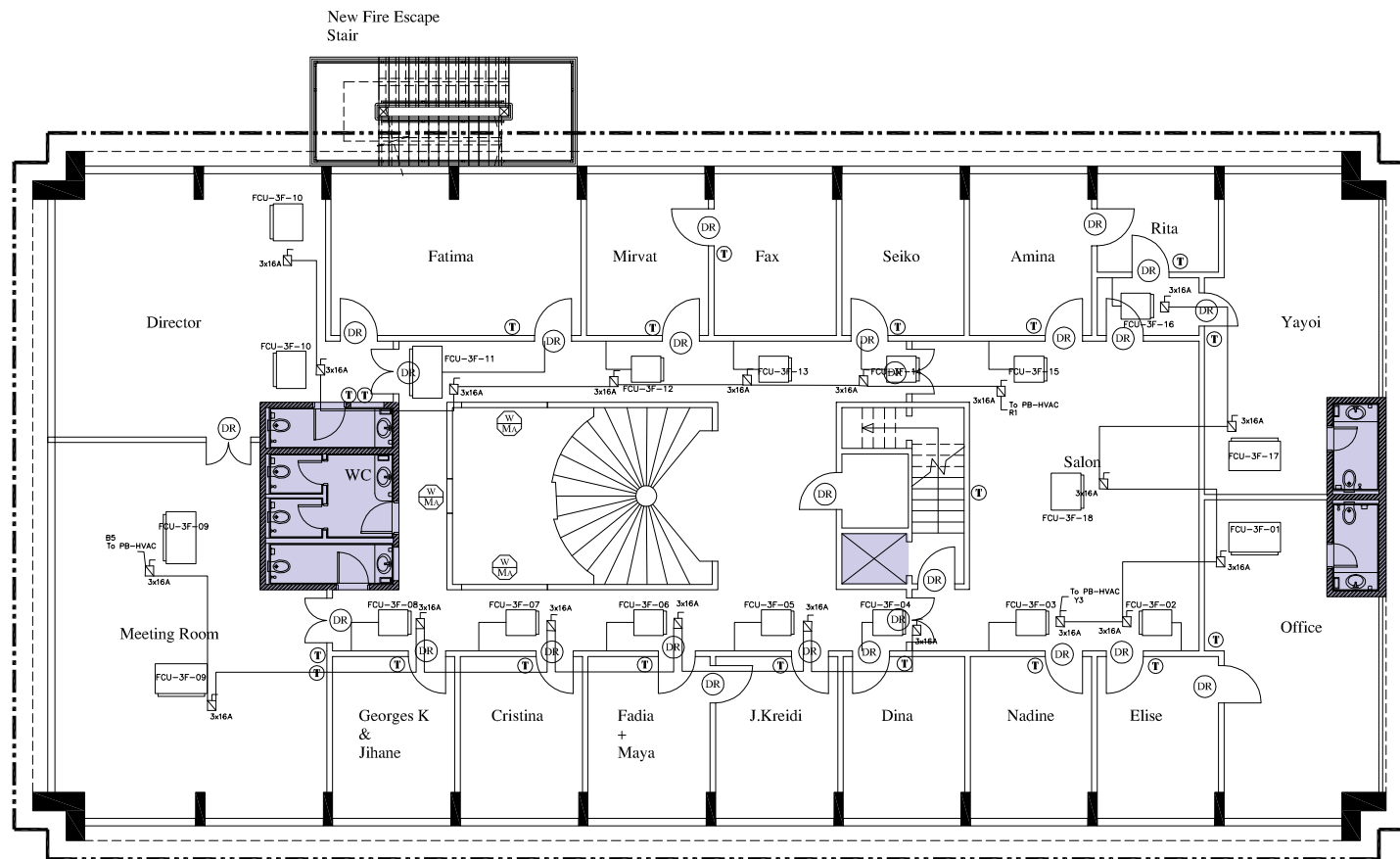


Rehabilitation of UNESCO Office Premises in Beirut
(Contract No. 4500398541)

BIR HASAN
ANNEX-IX (PHASE 2)

Designed SH	Drawn SH
Approved AC	Checked AG
Scale 1/200	Date September 2019

Project Number: TL1203	
Sheet Title: Second Floor Power Layout	
Sheet No.: E-303	Revision No.: 00
General Location : Bir Hasan	



New Cladding
(Mechanical Fixation)



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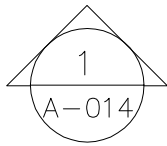
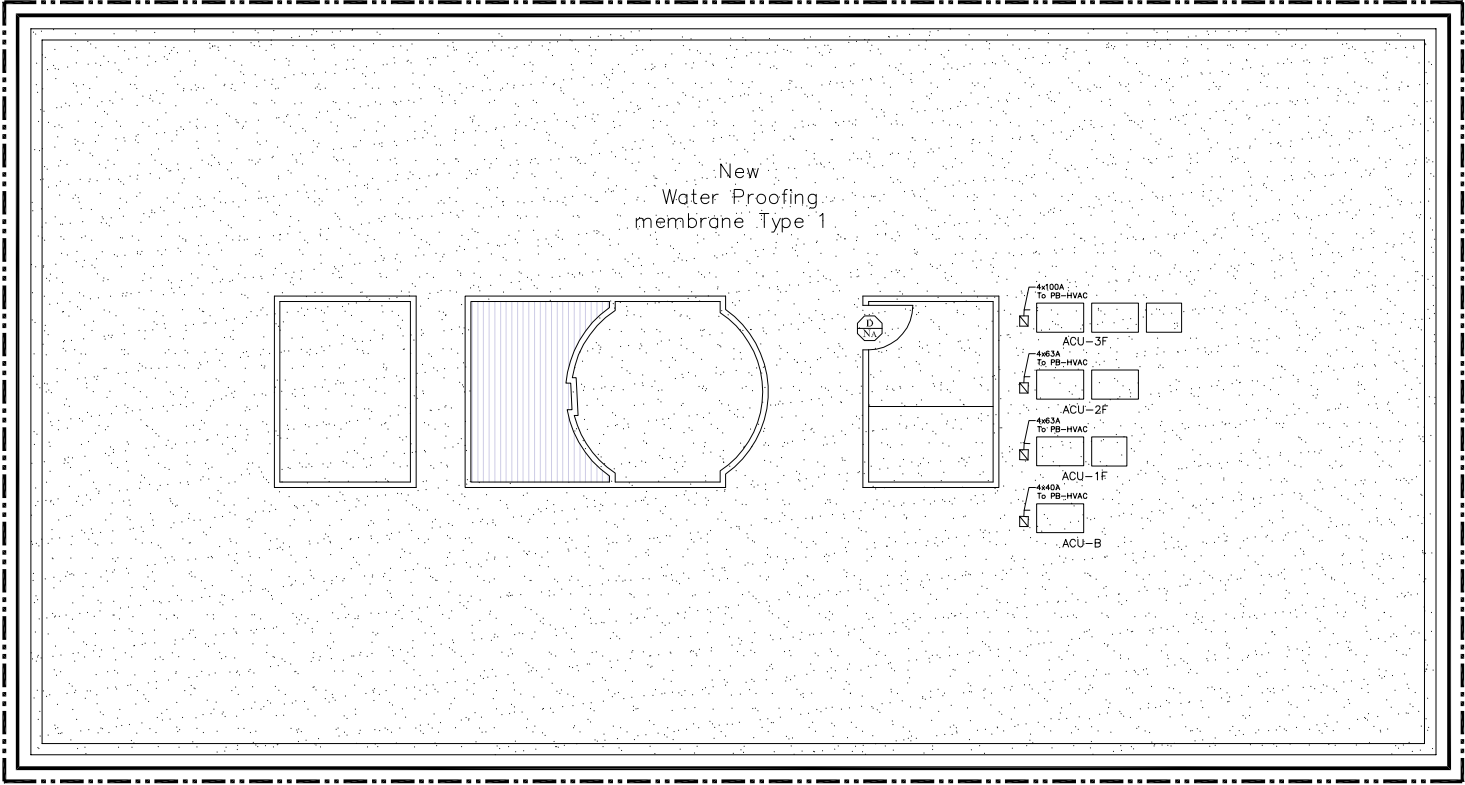


Rehabilitation of UNESCO Office Premises in Beirut
(Contract No. 4500398541)

BIR HASAN
ANNEX-IX (PHASE 2)

Designed SH	Drawn SH
Approved AC	Checked AG
Scale 1/200	Date September 2019

Project Number: TL1203	
Sheet Title: Third Floor Power Layout	
Sheet No.: E-304	Revision No.: 00
General Location : Bir Hasan	



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Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed SH
Approved AC

Scale 1/200

Drawn SH
Checked AG

Date September 2019

Project Number: TL1203

Sheet Title: Roof Floor Power Layout

Sheet No.: E-305 Revision No.: 00

General Location : Bir Hasan

LIST OF DRAWINGS

M-000	List Of Drawings (LOD)
M-401	New Basement Floor Plan-HVAC Ducting Layout
M-402	New Ground Floor Plan-HVAC Ducting Layout
M-403	New First Floor Plan-HVAC Ducting Layout
M-404	New Second Plan-HVAC Ducting Layout
M-405	New Third Floor Plan-HVAC Ducting Layout
M-406	New Roof Floor Plan-HVAC Ducting Layout
M-501	New Basement Floor Plan-HVAC Piping Layout
M-502	New Ground Floor Plan-HVAC Piping Layout
M-503	New First Floor Plan-HVAC Piping Layout
M-504	New Second Plan-HVAC Piping Layout
M-505	New Third Floor Plan-HVAC Piping Layout
M-506	New Roof Floor Plan-HVAC Piping Layout
M-600	HVAC Equipment Schedules



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Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

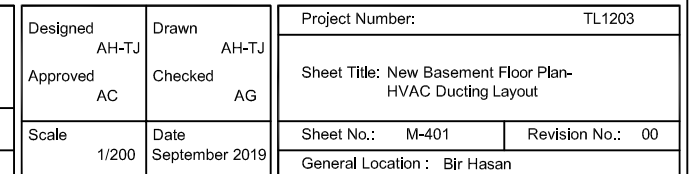
BIR HASAN

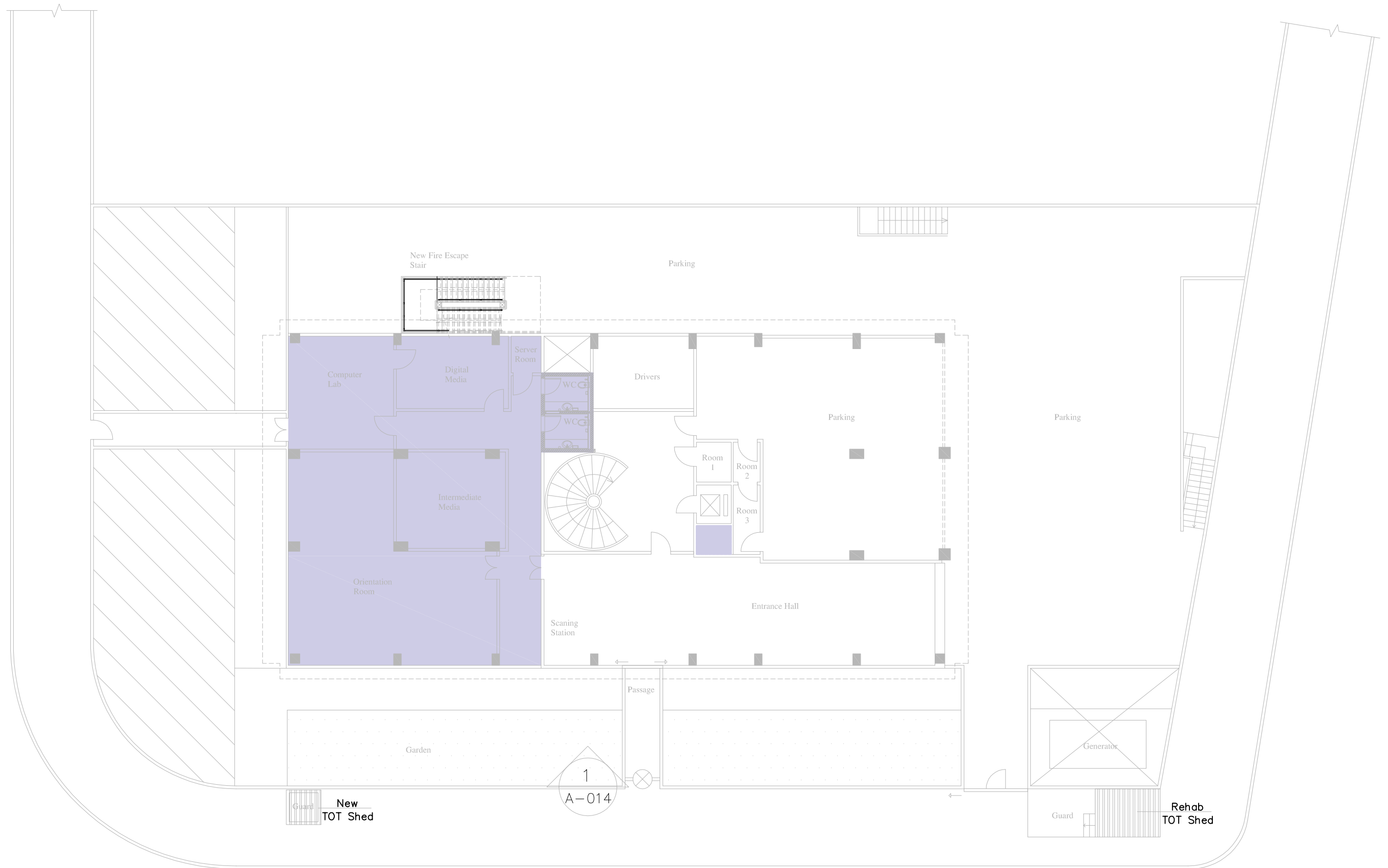
ANNEX-IX (PHASE 2)

Designed	AH-TJ	Drawn	AH-TJ
Approved	AC	Checked	AG

Scale	NTS	Date	September 2019
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Project Number:		TL1203	
Sheet Title:		List Of Drawing (LOD)	
Sheet No.:	M-000	Revision No.:	00
General Location : Bir Hasan			





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Rehabilitation of UNESCO Office Premises in Beirut

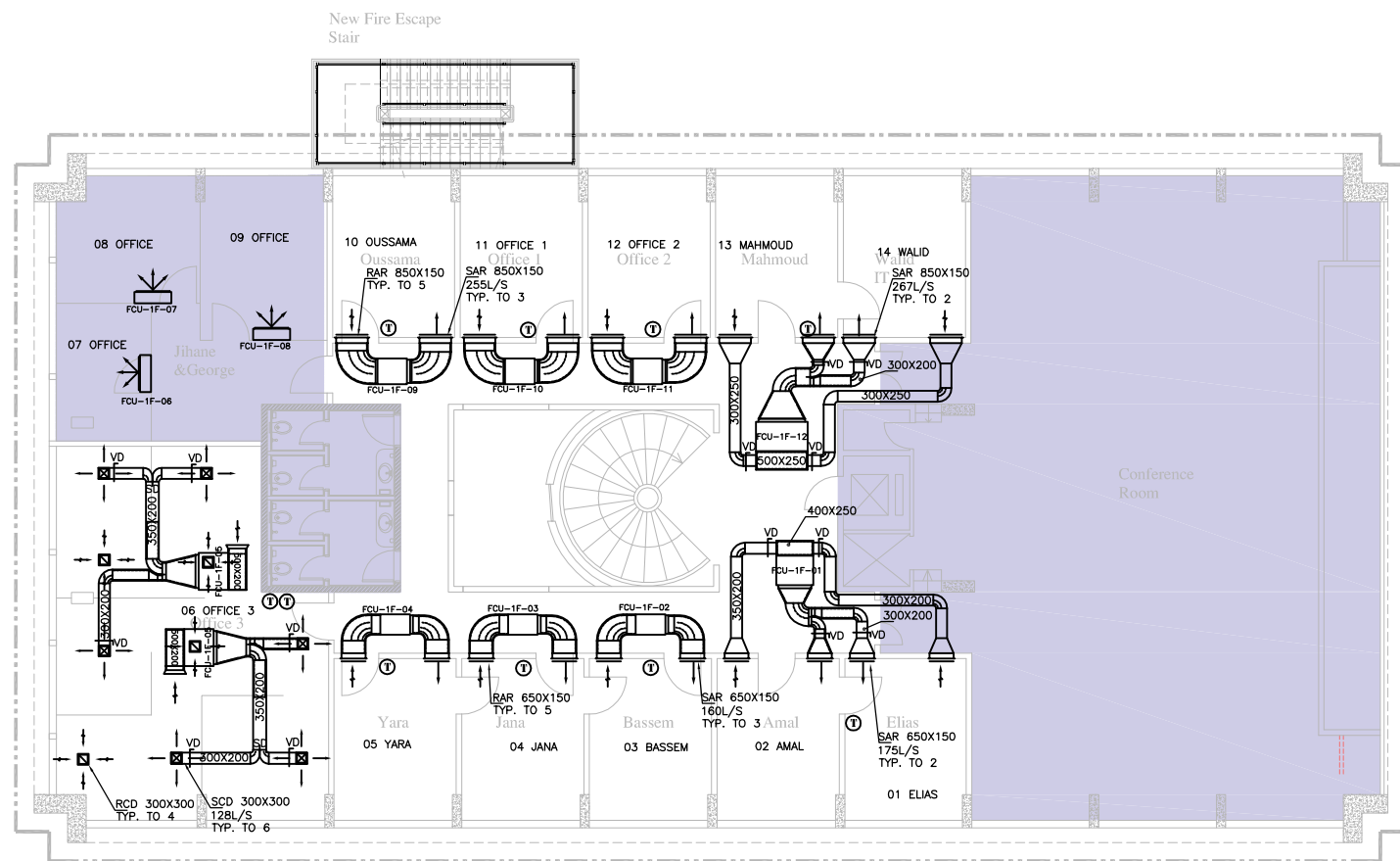
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed	AH-TJ	Drawn	AH-TJ
Approved	AC	Checked	AG
Scale	1/200	Date	September 2019

Project Number: TL1203	
Sheet Title: New Ground Floor Plan- HVAC Ducting Layout	
Sheet No.: M-402	Revision No.: 00
General Location : Bir Hasan	



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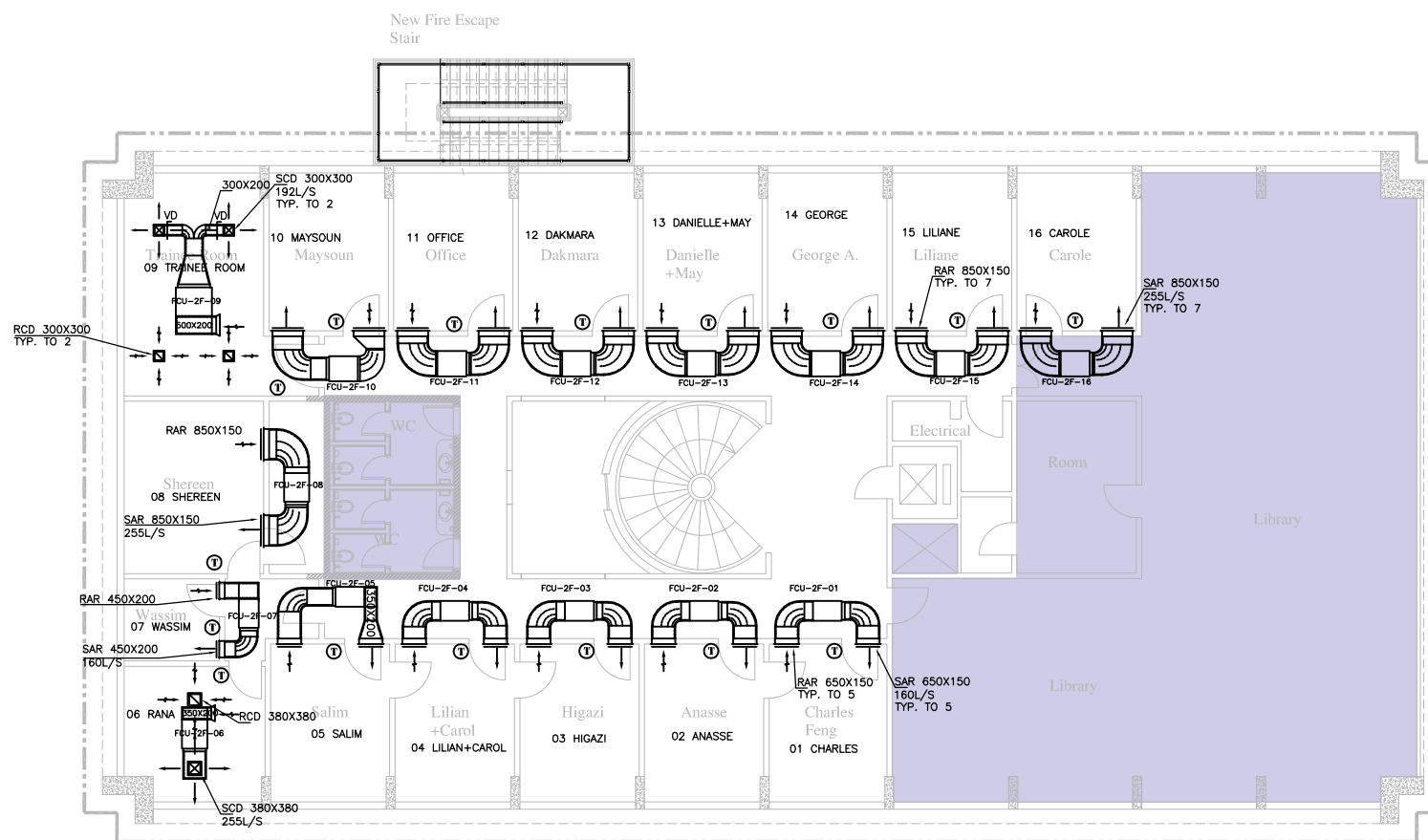
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed AH-TJ	Drawn AH-TJ	Project Number: TL1203	
Approved AC	Checked AG	Sheet Title: New First Floor Plan- HVAC Ducting Layout	
Scale 1/200	Date September 2019	Sheet No.: M-403	Revision No.: 00
General Location : Bir Hasan			



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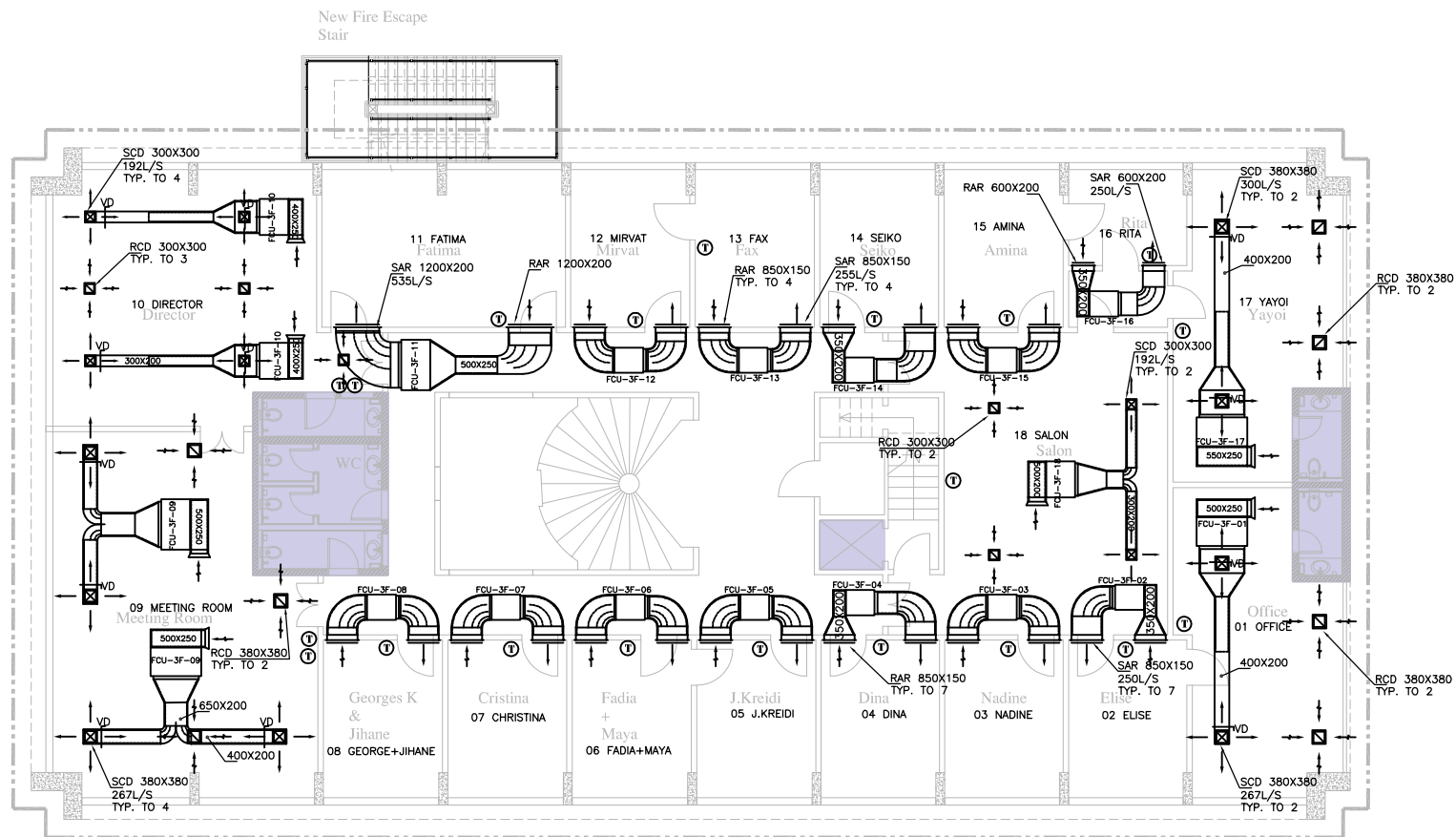
Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed AH-TJ	Drawn AH-TJ	Project Number: TL1203	
Approved AC	Checked AG	Sheet Title: New Second Floor Plan- HVAC Ducting Layout	
Scale 1/200	Date September 2019	Sheet No.: M-404	Revision No.: 00
General Location : Bir Hasan			



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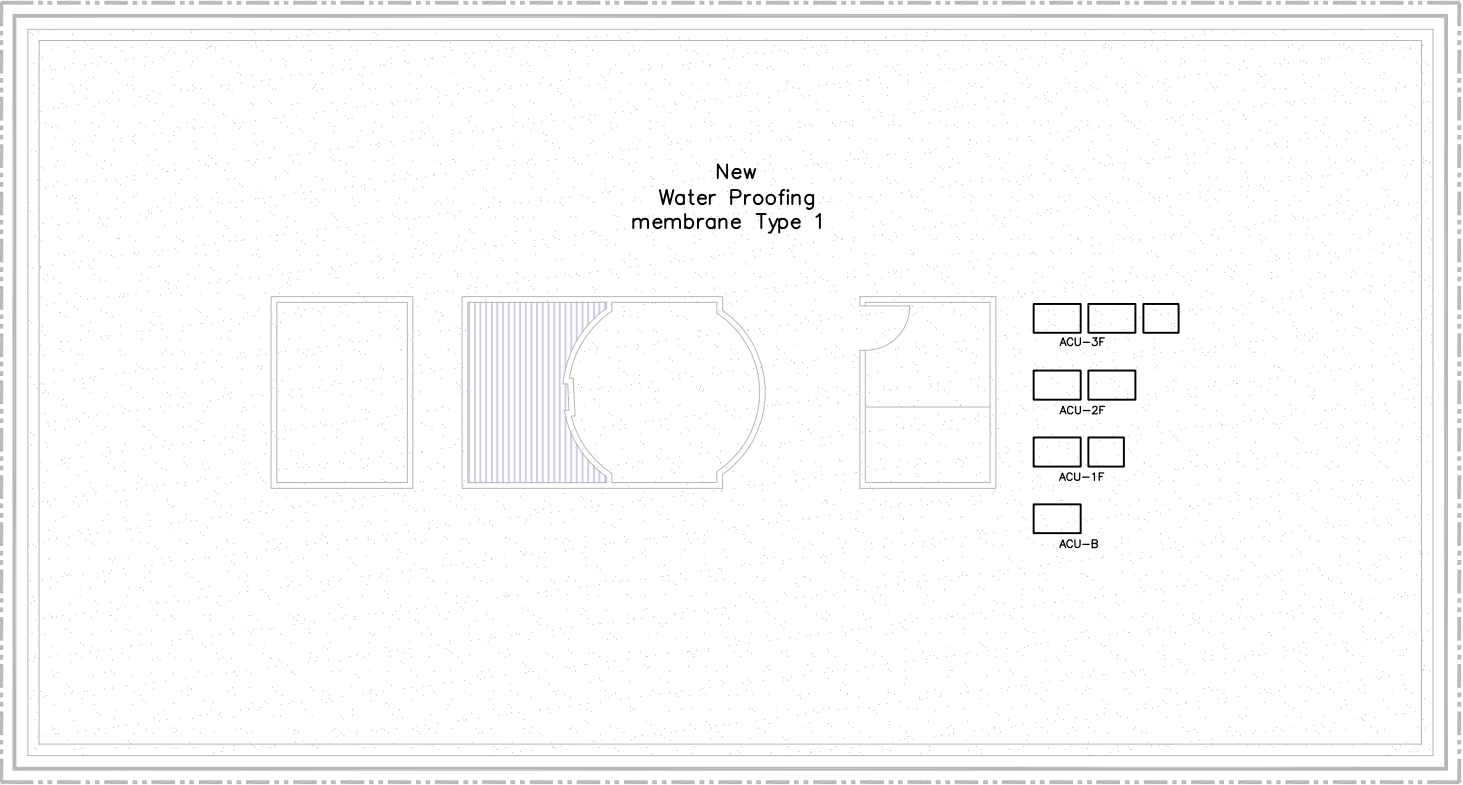
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed AH-TJ	Drawn AH-TJ
Approved AC	Checked AG
Scale 1/200	Date September 2019

Project Number: TL1203	
Sheet Title: New Third Floor Plan- HVAC Ducting Layout	
Sheet No.: M-405	Revision No.: 00
General Location : Bir Hasan	



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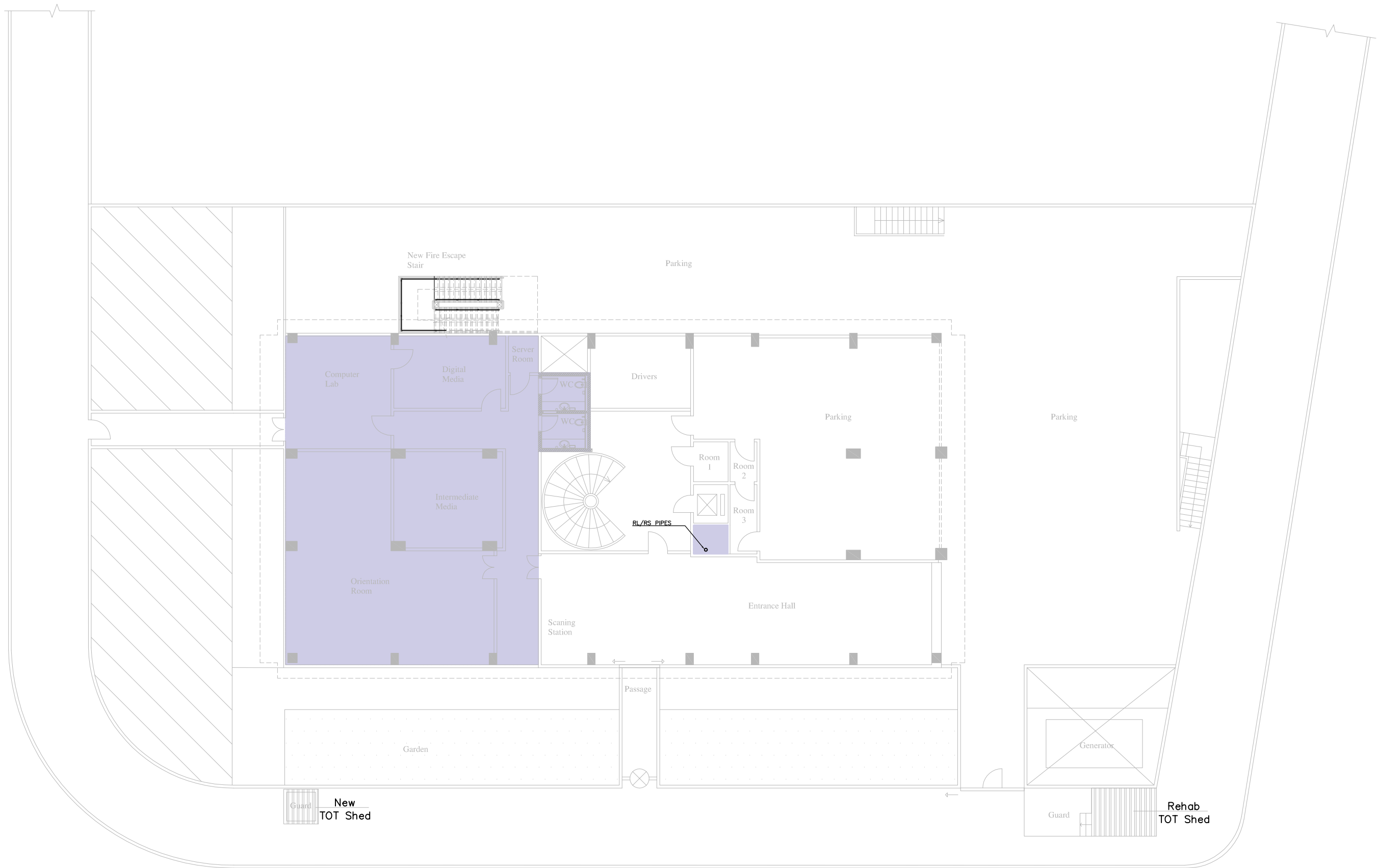
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed	AH-TJ	Drawn	AH-TJ
Approved	AC	Checked	AG
Scale	1/200	Date	September 2019

Project Number:		TL1203	
Sheet Title: New Roof Plan- HVAC Ducting Layout			
Sheet No.: M-406		Revision No.: 00	
General Location : Bir Hasan			



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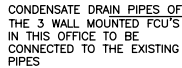
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed	AH-TJ	Drawn	AH-TJ
Approved	AC	Checked	AG
Scale	1/200	Date	September 2019

Project Number: TL1203	
Sheet Title: New Ground Floor Plan- HVAC Piping Layout	
Sheet No.: M-502	Revision No.: 00
General Location : Bir Hasan	





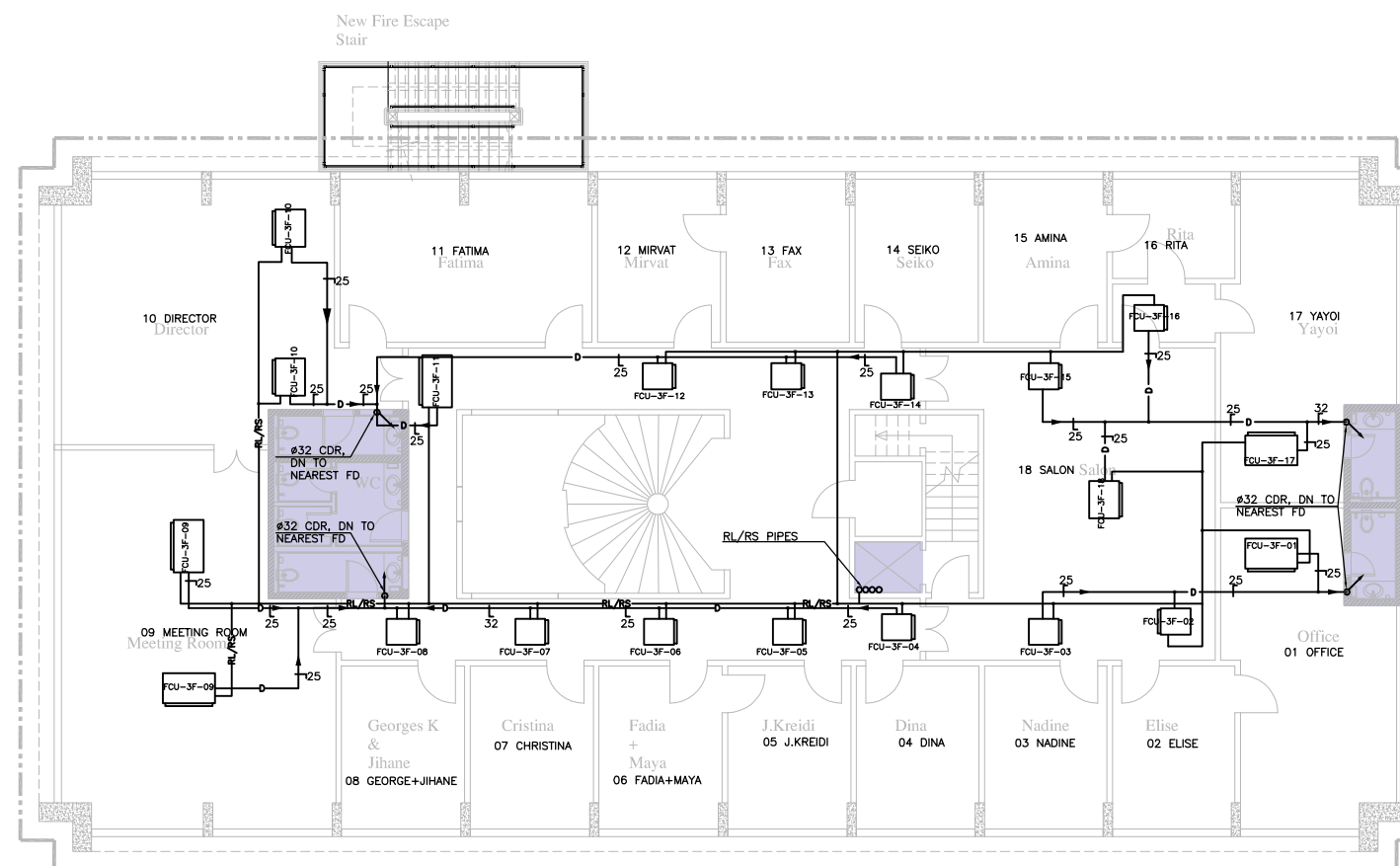
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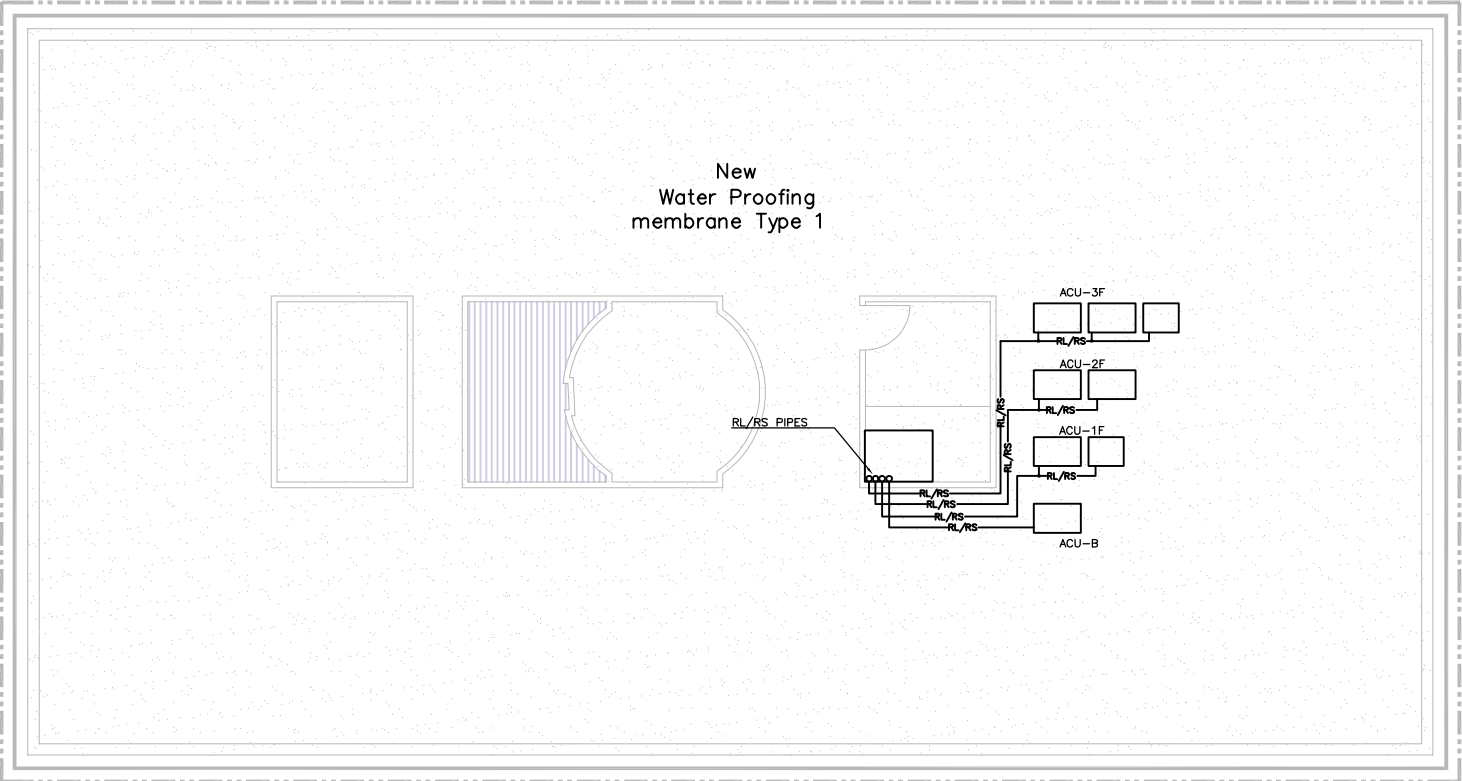
Rehabilitation of UNESCO Office Premises in Beirut
(Contract No. 4500398541)

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ANNEX-IX (PHASE 2)

Designed AH-TJ	Drawn AH-TJ	Project Number: TL1203	
Approved AC	Checked AG	Sheet Title: New Second Floor Plan- HVAC Piping Layout	
Scale 1/200	Date September 2019	Sheet No.: M-504	Revision No.: 00
General Location : Bir Hasan			



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					Approved AC	Checked AG	Sheet Title: New Third Floor Plan-HVAC Piping Layout	
			BIR HASAN		Scale 1/200	Date September 2019	Sheet No.: M-505	Revision No.: 00
			ANNEX-IX (PHASE 2)		General Location : Bir Hasan			



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Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

BIR HASAN

ANNEX-IX (PHASE 2)

Designed AH-TJ	Drawn AH-TJ
Approved AC	Checked AG
Scale 1/200	Date September 2019

Project Number: TL1203	
Sheet Title: New Roof Plan- HVAC Piping Layout	
Sheet No.: M-506	Revision No.: 00
General Location : Bir Hasan	

VARIABLE REFRIGERANT VOLUME – INDOOR UNITS SCHEDULE															
NAME	ROOM	TYPE	QTY	CONNECTED TO:	*NOMINAL CAPACITY (KW)*	SUPPLY FAN		COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL			
				CONDENSING UNIT		*AIR FLOW RATE (l/s)*	TOTAL KW	SENSIBLE KW	°C DB	°C WB	*TOTAL kW*	*ENTERING AIR °C DB*	POWER SUPPLY	Min Circuit Amps	*Max Overcurrent Protection*
												Voltage – Phase	MCA	MOP	
FCU-B-01	B-CAFETERIA	Concealed ceiling unit	4	ACU-B	11.2	533	10.0	7.1	23.6	17.3	11.9	21.4	220V 1ph	2.4	16.0
FCU-B-02	B-KITCHEN	Concealed ceiling unit	1	ACU-B	5.6	253	5.0	3.5	23.6	17.3	6.0	21.4	220V 1ph	1.1	16.0
FCU-1F-01	1F-01 ELIAS & 02 AMAL	Concealed ceiling unit	1	ACU-1F	7.1	350	6.1	4.6	23.6	16.8	7.6	21.5	220V 1ph	1.6	16.0
FCU-1F-02	1F-03 BASSEM	Concealed ceiling unit	1	ACU-1F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-1F-03	1F-04 JANA	Concealed ceiling unit	1	ACU-1F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-1F-04	1F-05 YARA	Concealed ceiling unit	1	ACU-1F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-1F-05	1F-06 OFFICE 3	Concealed ceiling unit	2	ACU-1F	9.0	383	7.6	5.7	23.6	16.7	9.6	21.5	220V 1ph	1.9	16.0
FCU-1F-06	1F-07 OFFICE	Wall mounted unit	1	ACU-1F	4.5	203	3.7	3.4	23.7	16.4	4.8	21.5	230V 1ph	0.4	16.0
FCU-1F-07	1F-08 OFFICE	Wall mounted unit	1	ACU-1F	7.1	305	5.9	4.7	23.7	16.4	7.6	21.5	230V 1ph	0.7	16.0
FCU-1F-08	1F-09 OFFICE	Wall mounted unit	1	ACU-1F	4.5	203	3.7	3.4	23.7	16.4	4.8	21.5	230V 1ph	0.4	16.0
FCU-1F-09	1F-10 OUSSAMA	Concealed ceiling unit	1	ACU-1F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-1F-10	1F-11 OFFICE 1	Concealed ceiling unit	1	ACU-1F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-1F-11	1F-12 OFFICE 2	Concealed ceiling unit	1	ACU-1F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-1F-12	1F-13 MAHMOUD & 14 WALID	Concealed ceiling unit	1	ACU-1F	11.2	533	9.5	7.3	23.6	16.7	11.9	21.5	220V 1ph	2.4	16.0
FCU-2F-01	2F-01 CHARLES	Concealed ceiling unit	1	ACU-2F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-2F-02	2F-02 ANASSE	Concealed ceiling unit	1	ACU-2F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-2F-03	2F-03 HGIAZI	Concealed ceiling unit	1	ACU-2F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-2F-04	2F-04 LILIAN+CAROL	Concealed ceiling unit	1	ACU-2F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-2F-05	2F-05 SALIM	Concealed ceiling unit	1	ACU-2F	3.6	158	3.1	2.3	23.6	16.7	3.8	21.5	220V 1ph	0.8	16.0
FCU-2F-06	2F-06 RANA	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-07	2F-07 WISSAM	Concealed ceiling unit	1	ACU-2F	2.8	150	2.4	1.8	23.6	16.7	3.1	21.5	220V 1ph	0.8	16.0
FCU-2F-08	2F-08 SHEREEN	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-09	2F-09 TRANEE ROOM	Concealed ceiling unit	1	ACU-2F	9.0	383	7.6	5.7	23.6	16.7	9.6	21.5	220V 1ph	1.9	16.0
FCU-2F-10	2F-10 MAYSOUN	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-11	2F-11 OFFICE	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-12	2F-12 DAKMARA	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-13	2F-13 DANELLE+MARY	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-14	2F-14 GEORGE	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-15	2F-15 LILIANE	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-2F-16	2F-16 CAROLE	Concealed ceiling unit	1	ACU-2F	5.6	253	4.7	3.6	23.6	16.7	6.0	21.5	220V 1ph	1.1	16.0
FCU-3F-01	3F-01 OFFICE	Concealed ceiling unit	1	ACU-3F	11.2	533	9.2	7.5	23.7	16.3	11.9	21.5	220V 1ph	2.4	16.0
FCU-3F-02	3F-02 ELISE	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-03	3F-03 MADINE	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-04	3F-04 DINA	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-05	3F-05 JIKREIDI	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-06	3F-06 FADIA+MAYA	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-07	3F-07 CHRISTINA	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-08	3F-08 GEORGE+JHANE	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-09	3F-09 MEETING ROOM	Concealed ceiling unit	2	ACU-3F	11.2	533	9.2	7.5	23.7	16.3	12.0	21.3	220V 1ph	2.4	16.0
FCU-3F-10	3F-10 DIRECTOR	Concealed ceiling unit	2	ACU-3F	9.0	383	7.4	5.9	23.7	16.3	9.6	21.3	220V 1ph	1.9	16.0
FCU-3F-11	3F-11 FATIMA	Concealed ceiling unit	1	ACU-3F	11.2	533	9.2	7.5	23.7	16.3	11.9	21.6	220V 1ph	2.4	16.0
FCU-3F-12	3F-12 MIRVAT	Concealed ceiling unit	1	ACU-3F	5.6	253	4.6	3.7	23.7	16.3	6.0	21.3	220V 1ph	1.1	16.0
FCU-3F-13	3F-13 FAX	Concealed ceiling unit	1	ACU-3F	5.6	253	4.6	3.7	23.7	16.3	6.0	21.3	220V 1ph	1.1	16.0
FCU-3F-14	3F-14 SEIKO	Concealed ceiling unit	1	ACU-3F	5.6	253	4.6	3.7	23.7	16.3	6.0	21.3	220V 1ph	1.1	16.0
FCU-3F-15	3F-15 AMINA	Concealed ceiling unit	1	ACU-3F	5.6	253	4.6	3.7	23.7	16.3	6.0	21.3	220V 1ph	1.1	16.0
FCU-3F-16	3F-16 RITA	Concealed ceiling unit	1	ACU-3F	4.5	250	3.7	3.0	23.7	16.3	4.8	21.3	220V 1ph	1.1	16.0
FCU-3F-17	3F-17 YAYOI	Concealed ceiling unit	1	ACU-3F	14.0	600	11.6	9.2	23.7	16.3	15.3	21.4	220V 1ph	2.6	16.0
FCU-3F-18	3F-18 SALON	Concealed ceiling unit	1	ACU-3F	9.0	383	7.9	5.6	23.6	17.1	9.5	21.6	220V 1ph	1.9	16.0

VARIABLE REFRIGERANT VOLUME – OUTDOOR UNITS SCHEDULE													
NAME	QTY	*NOMINAL CAPACITY (KW)*	DESCRIPTION	COOLING CAPACITY			HEATING CAPACITY		REFRIGERANT TYPE	ELECTRICAL			
				KW	AMBIENT DESIGN °C DB	INDOOR °C DB	KW	*AMBIENT DESIGN °C DB / WB*		POWER SUPPLY (PH/Hz/V)	*RUNNING CURRENT(rlA)*	TOTAL POWER INPUT (KW)	MAX. FUSE AMPS (A)
ACU-B	1.0	50.4	Air cooled heat pump	40.5	35.0	23.0	54.9	5.6 / 1.2	R-410A	3N~/50/380-415	20.8	15.0	40.0
ACU-1F	1.0	67.4	Air cooled heat pump	54.0	35.0	23.0	73.2	5.6 / 1.2	R-410A	3N~/50/380-415	18.0 / 7.2	18.2	63.0
ACU-2F	1.0	73.5	Air cooled heat pump	58.5	35.0	23.0	79.3	5.6 / 1.2	R-410A	3N~/50/380-415	15.4 / 12.7	20.0	63.0
ACU-3F	1.0	123.5	Air cooled heat pump	99.5	35.0	23.0	134.2	5.6 / 1.2	R-410A	3N~/50/380-415	18.0 / 18.0 / 12.7	35.0	100.0

CAPACITY SCHEDULE OF EXHAUST AIR FANS

FAN		EF-B1
TYPE	IN LINE CABINET CENTRIFUGAL	
QUANTITY	1	
L/S	640 1000	
APPROXIMATE ST. PRESSURE PA	80	
APPROXIMATE POWER CONSUMPTION (HP)	1/3	
POWER RATING	220V/1ø/50HZ	
FUNCTION	EXHAUST AIR FAN	
LOCATION	BASEMENT FLOOR	
REMARKS		



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Rehabilitation of UNESCO Office Premises in Beirut

(Contract No. 4500398541)

BIR HASAN
ANNEX-IX (PHASE 2)

Designed AH-TJ
Approved AC

Drawn AH-TJ
Checked AG

Scale NTS
Date September 2019

Project Number: TL1203

Sheet Title: HVAC Equipment Schedules

Sheet No.: M-600 Revision No.: 00

General Location : Bir Hasan