LIST OF ARCHITECTURAL DRAWINGS

FILE No.	SHEET No.	DRAWING NAME		SCALE
		GENERAL		
BY1516-AG-COVER	A000	COVER SHEET		–
BY1516-AG-GEN NOTES	A001	GENERAL NOTES, LEGEND, ABBREVIATIONS & SCHEDULE OF INTERNAL /EXTERNAL FINISHES		–
BY1516-AG-BORE HOLES	A002	BORE HOLES LOCATION		1/200
BY1516-AG-SURVEY	A003	SURVEY PLAN		AS SHOWN
BY1516-AG-SITE	A004	SITE PLAN		1/200
BY1516-AG-AREAS SCH	A005	AREAS SCHEDULE		–
		PLANS		
BY1516-AP-B02	A100	2ND BASEMENT PLAN		1/100
BY1516-AP-B01	A101	1ST BASEMENT PLAN		1/100
BY1516-AP-GFL	A102	GROUND FLOOR PLAN		1/100
BY1516-AP-F01	A103	FIRST FLOOR PLAN		1/100
BY1516-AP-F02	A104	SECOND FLOOR PLAN		1/100
BY1516-AP-F03	A105	THIRD FLOOR PLAN		1/100
BY1516-AP-RFL	A106	ROOF PLAN		1/100
BY1516-AP-TRF	A107	TOP OF ROOF PLAN		1/100
		ELEVATIONS		
BY1516-AE-ELV-01	A200	BLOCK-A- ELEVATIONS		1/100
BY1516-AE-ELV-02	A201	BLOCK-B- ELEVATIONS		1/100
		SECTIONS		
BY1516-AU-SEC-01	A300	BLOCK-A- SECTIONS		1/100
BY1516-AU-SEC-02	A301	BLOCK-B- SECTIONS		1/100
		WALL SECTIONS		
BY1516-AD-WSE-01	A400	WALL SECTIONS 1/2		1/50
BY1516-AD-WSE-02	A401	WALL SECTIONS 2/2		1/50
		STAIRCASES		
BY1516-AD-STR-01	A500	STAIRCASES (S1) & (S2) PLANS & SECTIONS		1/50
BY1516-AD-STR-02	A501	STAIRCASES (S3) & (S4) PLANS & SECTIONS		1/50
		MISCELLANEOUS		
BY1516-AD-RAMP	A600	RAMP PLANS, SECTIONS & DETAILS		1/50
BY1516-AD-WET AREAS	A601	WET AREAS PLANS, SECTIONS & DETAILS		AS SHOWN
BY1516-AD-ELV-DT	A602	ELEVATIONS DETAILS		1/50
BY1516-AD-MIS-DT	A603	MISCELLANEOUS DETAILS 1/2		AS SHOWN
BY1516-AD-MIS-DT	A604	MISCELLANEOUS DETAILS 2/2		AS SHOWN
		SCHEDULES		
BY1516-AS-DSC	A700	TIMBER & STEEL OPENINGS SCHEDULE		1/50
BY1516-AS-ASC	A701	PVC & ALUMINUM OPENINGS SCHEDULE		1/50
		FIRE ZONING		
BY1516-AP-B02-FZ	A900	2ND BASEMENT PLAN	FIRE ZONING LAYOUT	1/100
BY1516-AP-B01-FZ	A901	1ST BASEMENT PLAN	FIRE ZONING LAYOUT	1/100
BY1516-AP-GFL-FZ	A902	GROUND FLOOR PLAN	FIRE ZONING LAYOUT	1/100
BY1516-AP-F01-FZ	A903	FIRST FLOOR PLAN	FIRE ZONING LAYOUT	1/100
BY1516-AP-F02-FZ	A904	SECOND FLOOR PLAN	FIRE ZONING LAYOUT	1/100
BY1516-AP-F03-FZ	A905	THIRD FLOOR PLAN	FIRE ZONING LAYOUT	1/100
BY1516-AP-RFL-FZ	A906	ROOF PLAN	FIRE ZONING LAYOUT	1/100

ABBREVIATIONS

F.F.L.	FINISH FLOOR LEVEL
F.L.	FINISH LEVEL
S.C.L.	STRUCTURE CONCRETE LEVEL
S.W.L.	SIDE WALK LEVEL
P.L.	PARAPET LEVEL
W.M.	WATER METER
R.L.	ROAD LEVEL
E.C.	ELECTRIC CLOSET
F.C.	FALSE CEILING
L.C.	LOW CURRENT CLOSET
N.I.C.	NOT IN CONTRACT

SYMBOLS

- ROOM FINISH
- ALUMINUM OPENINGS
- TIMBER DOORS
- STEEL OPENING
- DETAILS NUMBER / SHEET WHERE DETAIL APPEARS
- SECTIONS NUMBER / SHEET WHERE SECTION APPEARS
- ELEVATION NUMBER / SHEET WHERE ELEVATION APPEARS
- LEVEL IN PLAN
- LEVEL IN ELEVATION & SECTION
- TYPE OF SUSPENDED CEILING / HEIGHT OF SUSPENDED CEILING FROM F.F.L

GENERAL NOTES

1. UNLESS OTHERWISE INDICATED ALL DIMENSIONS ARE IN CENTIMETERS AND ALL LEVELS ARE IN METERS.
2. PROJECT LEVELS ARE RELATED TO LEBANON NATIONAL GRID (LNG) LEVELS.
3. DRAWINGS SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
4. ALL DRAWINGS SHALL BE READ IN CONJUNCTION FOR PROPER COORDINATION.
5. ANY INCONSISTENCY OR DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCEMENT OF THE WORK.
6. THE FOLLOWING CLAUSE SHALL BE READ AFTER ALL MENTIONED MANUFACTURER'S NAMES "OR AN EQUAL APPROVED BY THE ENGINEER".
7. ALL SHADES AND COLORS SHOULD BE FINALLY APPROVED ON SITE ACCORDING TO THE SUBMITTED AND/OR APPLIED SAMPLES, TO THE ENGINEER'S APPROVAL.
8. ALL WET AREAS, SERVICE ROOMS, EXTERNAL DOORS & SPACES WITH DIFFERENT FLOOR FINISHES SHOULD HAVE 3cm THICK ROUNDED EDGE MARBLE THRESHOLDS, TO MATCH SURROUNDING FINISHES.
9. ALL EXPOSED MASONRY AND CONCRETE CORNERS SHALL HAVE PLASTER RETAINING BEADS GALVANIZED STEEL INTERNALLY & STAINLESS STEEL EXTERNALLY.
10. ALL JOINTS BETWEEN REINFORCED CONCRETE & HOLLOW BLOCK WALL SHALL HAVE A MINIMUM OF 20cm EXPANDED METAL MESH.
11. ALL EXPOSED CEMENT AND SAND SCREED FLOORING SHOULD BE TREATED WITH A SPECIAL SOLUTION TO PROVIDE HARDNESS, DUST PROOFING AND OIL PROOFING TO THE SCREED FLOOR, AS SHOWN ON THE SCHEDULE OF INTERNAL FINISHES & AS SPECIFIED.
12. ALL CEMENT AND SAND SCREED FLOORS WHICH ARE TO RECEIVE FLOOR COVERINGS SHALL BE TREATED WITH A LEVELING COMPOUND IN ORDER TO SMOOTH OUT SURFACE IRREGULARITIES PRIOR TO LAYING THE FINAL FLOOR COVER / FINISH.
13. ALL BACK & EDGE SURFACES TO MARBLE FLOORING & COUNTERS (WHERE APPLICABLE) SHALL HAVE A PENETRATIVE PROTECTIVE SEALANT SURFACE COATING SYSTEM, FORMULATED FROM HIGH PERFORMANCE NON-YELLOWING RESINS AND SOLVENTS.
14. TERRACES, BALCONIES, TOILETS, PANTRIES, WATER METER CABINETS & SHAFT FLOORS INCLUDING ALL OTHER INTERNAL WET SERVICE AREAS, SHOULD HAVE A 2-COMPONENTS LIQUID APPLIED WATERPROOFING MEMBRANE OVER CONCRETE SLAB, BEFORE LAYING THE FINAL FLOOR FINISH.
15. ALL OPENINGS IN BLOCK WALLS SHOULD HAVE SOLID CONCRETE BLOCK JAMBS & REINFORCED CONCRETE LINTELS AS REQUIRED.
16. ALL STEEL DOOR FRAMES WITHIN CONCRETE MASONRY BLOCK WALLS, SHOULD HAVE SOLID CONCRETE BLOCK JAMBS ON BOTH SIDES.
17. ALL BLOCK WALLS TO SERVICE SHAFTS AND CAVITIES, SHALL HAVE FLUSH POINTING CEMENT PLASTER. NO PAINT TO BE PROVIDED.
18. ELECTRICAL & TELEPHONE SHAFTS (FLOOR OPENINGS) TO BE CLOSED WITH FIRE PROOF MATERIAL TO PROVIDE 2 HOURS FIRE RATING.
19. SHAFT WALLS PENETRATION SHALL BE TREATED WITH FIRE PROOF MATERIAL TO THE FIRE RATING SPECIFIED.
20. CERAMIC TILES ON WALLS WHERE FULL HEIGHT IS SPECIFIED, SHALL BE RENDERED TO REACH 10cms. ABOVE THE SUSPENDED CEILING.
21. ALL SHAFTS ON ROOF SHOULD HAVE 20mm. THICK CEMENT SAND PLASTER AND ACRYLIC POLYURETHANE PAINT AS SPECIFIED.
22. CONTRACTOR TO PROVIDE GALVANIZED STEEL RUNGS TO LIFTS' PITS, AS REQUIRED AND TO THE SATISFACTION OF THE LIFT MANUFACTURER, SUBJECT EXACT LOCATION TO BE COORDINATED ON SITE.
23. CONTRACTOR'S SCOPE OF CONSTRUCTION WORK AT GROUND FLOOR LEVEL AND BEYOND THE BUILDING FOOTPRINT IS LIMITED TO THE AREA CONFINED WITH THE PLOT LIMIT.

SHOP DRAWINGS

a- SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE PROCEDURES AND STANDARDS SET FORTH IN THE GENERAL CONDITIONS OF CONTRACT.

b- THE GENERAL CONTRACTOR SHALL FORWARD SHOP DRAWINGS TO THE MANUFACTURER FOR RECOMMENDATION PRIOR TO SUBMISSION TO THE ENGINEER.

c- THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS FOR ENGINEER'S APPROVAL PRIOR TO PLACING ORDER FOR ASSEMBLY, FABRICATION AND INSTALLATION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ITEMS OF WORK:

1 - INTERNAL FLOORING AND WALL CLADDING.
2 - SUSPENDED CEILINGS/ SUSPENSION SYSTEMS.
3 - METAL WORKS.
4 - KITCHEN'S CABINETS.
5 - BALUSTRADES/ HANDRAILS.
6 - ALUMINIUM WORKS.
7- LIFTS' INSTALLATION, FINISHES & INTERIOR DESIGN OF CARS, DOORS AND JAMBS.
8- CARPENTARY & JOINERY WORKS.
9- ROOF METAL STRUCTURAL AND DECORATIVE ELEMENTS WORKS.
10- ALL HARDWARE SETS & MASTER KEY SYSTEM.
11- EXTERNAL ROAD WORKS AND HARD/SOFT LANDSCAPING.
12- ROOFING/ WATERPROOFING DETAILS.
13- EXTERNAL CLADDING & FIXING DETAILS.
14- SIGNAGE (COMPLETE).

PROVISIONAL SUMS

- SANITARY FIXTURES.
- TELEPHONE / DATA / TV OUTLET.
- HARDWARE (IRONMONGERY).
- INTERNAL SERVICE SIGNAGE

LEGEND OF INTERNAL FINISHES

FLOORING

- F1 -400X400X20mm. Thick, POLISHED GRANITE TILES ON MORTAR BED.
- F2 -300x300mm.NON-SLIP CERAMIC TILES, MATT FINISH ON MORTAR BED.
- F3 -400X400X40mm. Thick, POLISHED TERRAZZO TILES ON MORTAR BED.
- F4 -PRECAST TERRAZZO SLABS & RISERS.
- F5 -4mm. THICK GRP LINING APPLIED OVER RCC, AS SPECIFIED FOR WATER TANKS.
- F6 -SCREED 100mm. THICK WITH EPOXY NON-SLIP COATING AS SPECIFIED.
- F7 -EPOXY NON-SLIP COATING, TROWELED & POLISHED, AS SPECIFIED ON EXPOSED CONCRETE SUBSTRATE.
- F8 -CEMENT TILES WITH CURBSTONE FOR SIDE WALKS AT BASEMENT FLOORS.

SKIRTING

- S1 -100mm. HIGH POLISHED GRANITE TILES TO MATCH FLOORING.
- S2 -100MM. HIGH PRECAST TERRAZZO TILES TO MATCH FLOORING.
- S3 -100mm. HIGH VEHICULAR TRAFFIC DECK COATING.
- S4 -200mm. HIGH EPOXY RESIN BASED WALL COATING TO MATCH FLOORING.

WALL

- W1 -ACRYLIC BASED, WASHABLE EMULSION PAINT ON 15mm. THICK, CEMENT/SAND PLASTER.
- W2 -SYNTHETIC ENAMEL PAINT, MATT FINISH ON 15mm. THICK CEMENT/SAND PLASTER.
- W3 -GLAZED CERAMIC TILES TO MATCH FLOORING.
- W4 -4mm. THICK, GRP LINING APPLIED OVER RCC SLAB, AS SPECIFIED FOR WATER TANKS.
- W5 -ACRYLIC POLYURETHANE PAINT FINISH, FINE TEXTURE APPLIED OVER 15mm. THICK, CEMENT/SAND PLASTER.

CEILING

- C1 -ACRYLIC BASED, WASHABLE EMULSION PAINT ON R.C.C. SUBSTRATE.
- C2 -60x60cm. DEMONTABLE GYPSUM TILES SUSPENDED CEILING IN CONCEALED SUSPENSION SYSTEM WITH EMULSION PAINT FINISH.
- C3 -60x60cm. FULLY ACCESSIBLE CALCIUM SILICATE TILES SUSPENDED CEILING WITH EXPOSED GALVANIZED SUSPENSION SYSTEM, PAINTED WITH ENAMEL PAINT.
- C4 -4mm. THICK GRP LINING APPLIED ON RCC SLAB AS SPECIFIED FOR WATER TANKS.
- C5 -ACRYLIC POLYURETHANE PAINT FINISH, FINE TEXTURE, APPLIED OVER 15mm. THICK CEMENT/SAND PLASTER.
- C6 -SYNTHETIC ENAMEL PAINT, MATT FINISH ON 15mm. THICK CEMENT/SAND PLASTER.

SCHEDULE OF INTERNAL FINISHES

	ROOM FUNCTION	FLOOR	SKIRTING	WALL	CEILING	REMARKS
	BASEMENT FLOORS					
A	LIFT'S LOBBY	F1	S1	W1	C1	
B	STAIRCASE LOBBY	F3	S2	W1	C1	
C	STAIRCASE -S1-	F4	–	W2	C6	
C	STAIRCASE -S2-	F4	–	W2	C6	
C	STAIRCASE -S3-	F4	–	W2	C6	
C	STAIRCASE -S4-	F4	–	W2	C6	
D	PARKING AREA	F7/F8	S3	W1	C1	
E	EXHAUST FAN ROOM	F6	S4	W1	C1	
E	FRESH AIR FAN ROOM	F6	S4	W1	C1	
F	PLENUM	F6	S4	W5	C5	
B	STORE	F3	S2	W1	C1	
G	PUMP ROOM	F6	S4	W2	C1	
H	WATER TANK	F5	–	W4	C4	
I	E.C.	F6	–	W2	C1	
E	MAIN TELECOM. ROOM	F6	S4	W1	C1	
B	SECURITY/CONTROL ROOM	F3	S2	W1	C1	
E	MAIN ELECTRICAL ROOM	F6	S4	W1	C1	
B	STORE	F3	S2	W1	C1	
	GROUND FLOOR					
A	MAIN ENTRANCE	F1	S1	W1	C1	
A	LIFT'S LOBBY	F1	S1	W1	C1	
C	STAIRCASE -S1-	F4	–	W2	C6	
J	STAIRCASE -S2-	F4	–	W2	C6	
C	STAIRCASE -S3-	F4	–	W2	C6	
J	STAIRCASE -S4-	F4	–	W2	C6	
B	CORRIDOR	F3	S2	W1	C1	
K	LOBBY	F1	S1	W1	C2	
L	MALE TOILETS	F2	–	W3	C3	
L	FEMALE TOILETS	F2	–	W3	C3	
L	HC TOILET	F2	–	W3	C3	
M	TOILET'S LOBBY	F3	S2	W1	C2	
L	PANTRY	F2	–	W3	C3	
B	OFFICES	F3	S2	W1	C1	
I	E.C., T.C. & J.C.	F6	–	W2	C1	
	FIRST, SECOND & THIRD FLOORS					
A	RECEPTION/WAITING	F1	S1	W1	C1	
A	LIFT'S LOBBY	F1	S1	W1	C1	
C	STAIRCASE -S1-	F4	–	W2	C6	
J	STAIRCASE -S2-	F4	–	W2	C6	
C	STAIRCASE -S3-	F4	–	W2	C6	
J	STAIRCASE -S4-	F4	–	W2	C6	
B	CORRIDOR	F3	S2	W1	C1	
K	LOBBY	F1	S1	W1	C2	
L	MALE TOILETS	F2	–	W3	C3	
L	FEMALE TOILETS	F2	–	W3	C3	
L	HC TOILET	F2	–	W3	C3	
M	TOILET'S LOBBY	F3	S2	W1	C2	
L	PANTRY	F2	–	W3	C3	
B	OFFICES	F3	S2	W1	C1	
L	TOILET	F2	–	W3	C3	
N	BALCONY / TERRACE	F3	S2	–	–	
B	STORE	F3	S2	W1	C1	
I	E.C., T.C. & J.C.	F6	–	W2	C1	
	ROOF FLOOR					
C	STAIRCASE -S1-	F4	–	W2	C6	
C	STAIRCASE -S3-	F4	–	W2	C6	
E	LIFTS' MACHINE ROOM	F6	S4	W1	C1	

SCHEDULE OF EXTERNAL FINISHES

EW1 -NATURAL STONE CLADDING PANELS (LOCAL/ EGYPTIAN), DRY MOUNTED, OF YELLOW COLOR.

EW2- RENDERED PLASTER "MONO-COUCHE" OVER SAND CEMENT PLASTER.

EW3- **GLASS FIBRE REINFORCED CONCRETE** (G.R.C.) ELEMENTS FIXED TO THE FACADE BY EITHER BOLT FIXING OR WELDING. COLOR TO BE APPROVED BY THE ARCHITECT.

EW4- SUPER DURABLE POWDER-COATED ALUMINUM PROFILE OF "SIDOM 2000" OR APPROVED EQUAL, CREAM COLOR, WITH TINTED DOUBLE GLAZED CLEAR GLASS PANELS.

EW5- STEEL BALUSTRADE, COATED WITH EPOXY PAINT OF CREAM COLOR, TO BE APPROVED BY THE ARCHITECT.

EW6- CLAY ROOFING TILES, OF BRICK COLOR, FIXED ON A METAL CONSTRUCTION MEMBERS.

EW7- DOUBLE SKIN SUPER DURABLE POWDER COATED SANDWICH ALUMINUM SHEETS, OF SAME COLOR OF ALUMINUM PROFILE.

EW8- NATURAL STONE COLUMNS.

EW9- SUPER DURABLE POWDER COATED EXTRUDED ALUMINUM LOUVERS, COLOR TO MATCH ALUMINUM PROFILE.

LEGEND OF ROOFING SYSTEMS

ROOFING SYSTEM

R1

a) MIN. 50mm THICK FOAM CONCRETE LAID TO SLOPE.
b) 4mm THICK TORCH-ON SBS MODIFIED BITUMEN WATERPROOFING MEMBRANE.
c) SECOND LAYER OF 4mm THICK SBS MODIFIED BITUMEN WATERPROOFING MEMBRANE WITH MINERAL SHIPS TO UPSTANDS ONLY (EXPOSED SURFACES).
d) 50mm THICK EXTRUDED POLYSTYRENE RIGID FOAM INSULATION.
e) FILTER MEMBRANE OF NON-WOVEN FABRIC.
f) 400X400X40mm THICK PRECAST CONCRETE ROOF PAVERS ON PVC SPACERS, LOOSE LAID

R2

a) MIN. 50mm THICK FOAM CONCRETE LAID TO SLOPE.
b) 4mm THICK TORCH-ON SBS MODIFIED BITUMEN WATERPROOFING MEMBRANE.
c) SECOND LAYER OF 4mm THICK TORCH-ON SBS MODIFIED BITUMEN WATERPROOFING MEMBRANE WITH MINERAL SHIPS TO UPSTANDS ONLY.
d) 50mm THICK EXTRUDED POLYSTYRENE RIGID FOAM INSULATION.
e) FILTER MEMBRANE OF NON-WOVEN FABRIC.
f) 50mm. THICK, LAYER OF ROUNDED WASHED GRAVEL.

SIDE WALKS ABOVE CONCRETE SLAB

R3

a) MIN. 50mm. THICK FOAM CONCRETE SLOPPED TO DRAIN.
b) 2 LAYERS OF SBS MEMBRANE CARRIED OUT FROM BASEMENT WALL BELOW.
c) 6mm. THICK, ASPHALT IMPREGNATED PROTECTION FIBER BOARD.
d) COMPACTED SAND BED.
e) CEMENT TILES.

GREEN AREAS ABOVE CONCRETE SLAB

R4

a) MIN.25cm. THICK, FOAM CONCRETE SLOPPED TO DRAIN.
b) ONE LAYER OF 3mm. THICK, TORCH-ON SBS WATERPROOFING MEMBRANE.
c) ONE LAYER OF 3mm. THICK, TORCH-ON SBS ANTI-ROOT WATERPROOFING MEMBRANE.
d) 6mm. THICK, ASPHALT IMPREGNATED PROTECTION BOARD.
e) 150mm. THICK, GRAVEL BED, FOR PLANTATION.
f) FILTER MEMBRANE OF NON-WOVEN FABRIC.
g) AGRICULTURAL PLANTING SOIL TO LEVEL AS INDICATED ON LANDSCAPING DRAWINGS.

NOTES

No.	REVISION	APP'D	DATE

CLIENT

الجمهورية اللبنانية
مجلس الإنماء والإعمار

CONSULTANT

خطيب وعلمي
شركة الاستشارات الهندسية المساهمة
Khatib & Alami
consolidated engineering company S.A.L.

PROJECT TITLE

CHHIM GOVERNMENTAL OFFICES BUILDING

DRAWING TITLE

GENERAL NOTES, LEGEND, ABREVIATIONS & SCHEDULE OF INTERNAL FINISHES/EXTERNAL FINISHES

	NAME	DRAWING No.
DESIGNED	K & A	A001
DRAWN	–	
COORDINATED	H. JARRAH	PROJECT No.
CHECKED	H. JARRAH	BY151600
APPROVED	H. JARRAH	FILE NAME
SCALE	–	BY1516-AG-GEN.NOTES
DATE	February 2016	SHEET No.

APPROVED FOR CONSTRUCTION

TENDER SUBMISSION