

SYMBOLS AND ABBREVIATIONS

NOTES

LIST OF SYMBOLS	
SYMBOL	DESCRIPTION
	TOP OF CONCRETE LEVEL IN PLAN IN METERS INDICATOR. YYY. SEE STRUCTURAL ABBREVIATIONS TABLE ON THIS SHEET
	XXX. ELEVATION IN METERS YYY. SEE STRUCTURAL ABBREVIATIONS TABLE ON THIS SHEET
	WALL OR SLAB OPENING.
	X DENOTES FOOTING LABEL OR PILE CAP LABEL
	X DENOTES COLUMN LABEL
	DENOTES Xmm THICK SLAB
	DENOTES Xmm THICK SOLID SLAB
	DENOTES Xmm THICK BONDED POST TENSIONED SOLID SLAB
	DENOTES Xmm THICK HOLLOW CORE PLANKS
	DENOTES Xmm CONCRETE THICK TOPPING ABOVE HOLLOW CORE PLANKS
	OR AT SPACING CENTER TO CENTER
	LIMITS OF AREA COVERED BY REBARS
	CENTER LINE
	RAMP SLOPE DIRECTION, UP OR DOWN
	SLAB SLOPE DIRECTION DOWN X DENOTES % OF SLOPE
	ONE-WAY STRUCTURAL SPAN DIRECTION
	DIAMETER
	X DENOTES CAMBER UP DIMENSION
	STEP IN CONTINUOUS FOOTING
	MESH REINFORCING IN TWO PERPENDICULAR DIRECTIONS

LIST OF SYMBOLS	
SYMBOL	DESCRIPTION
	DENOTES WATER LEVEL
	DENOTES EARTH PIT
	DETAIL TAG
	ELEVATION SYMBOL
	SECTION / WALL SECTION SYMBOL
	SECTION / WALL SECTION SYMBOL SIM: SIMILAR SECTION ON DIFFERENT PARTS OF THE PLAN
	GRIDLINE HEAD
	REINFORCEMENT
	REINFORCEMENT
	STEP (CHANGE) IN TOP OF SLAB INDICATOR
	LIMIT OF DIFFERENT TOP OF SLAB SLOPES

LIST OF PATTERNS	
PATTERN	DESCRIPTION
	REINFORCED CONCRETE
	HOLLOW BLOCK WALL (BLOCK WORK)
	STEEL SECTION
	WATER OR DAMP PROOFING
	CONCRETE CYCLOPEAN
	SAND
	COMPACTED BACKFILL
	ROCK/EARTH

STRUCTURAL ABBREVIATIONS	
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
AWWA	AMERICAN WATER WORKS ASSOCIATION
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ACI	AMERICAN CONCRETE INSTITUTE
AB.	ANCHOR BOLT
EXIST.	EXISTING
ADD. / ADDL.	ADDITIONAL
ARCH.	ARCHITECT OR ARCHITECTURAL
BS	BRITISH STANDARDS
B	BEAM
BOT.	BOTTOM
BLDG.	BUILDING
B.U.	BENT UP
C	CENTER
COL.	COLUMN
C.S.L.	CONCRETE SCREED LEVEL
CONC.	CONCRETE
CONT.	CONTINUOUS
C.R.	CROSS RIB
C.J.	CONTROL OR CONSTRUCTION JOINT
cm	CENTIMETER
C.L.	CENTER LINE
DEG or °	DEGREE
DIN.	DEUTSCHE INDUSTRIES NORM
DWLS.	DOWELS
DET.	DETAIL
DWG., DRWG.	DRAWING
D.R.	DOUBLE RIB (TWO ADJACENT RIBS)
DIA	DIAMETER
D.	DIMENSION
E.L.	EXCAVATION LEVEL
EA.	EACH
EL.	ELEVATION
E.F.	EACH FACE
E.W.	EACH WAY
EN.	EURO NORM
EQ.	EQUAL
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXP.	EXPANSION
F.I.N.	FINISH
FF.	FAIR FACE
FL.	FLOOR
GALV.	GALVANIZED
G.F.	GROUND FLOOR
HORIZ.	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
IF.	INSIDE FACE
INV. OR IE	INVERT ELEVATION
JT.	JOINT
KPa	KILO PASCAL
Km/h	KILOMETER PER HOUR
KN/m2	KILONEWTON PER METER SQUARE
L	LENGTH
MAX.	MAXIMUM
MECH.	MECHANICAL
MEZZ.	MEZZANINE
MIN.	MINIMUM
MFR.	MANUFACTURER
m	METER
mm	MILLIMETER
NF.	NEAR FACE
N.T.S.	NOT TO SCALE
NO.	NUMBER
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
N.G.L.	NATURAL GROUND LEVEL
N.S.L.	NATURAL SOIL LEVEL
O.F.	OUTSIDE FACE
O.C.	ON CENTER
PL.	PLATE
P.T.	POST TENSIONED CONCRETE
R	RADIUS
R.C.	REINFORCED CONCRETE
REINF.	REINFORCE, REINFORCED, REINFORCEMENT, OR REINFORCING
REV.	REVISE OR REVISION
S.C.L.	TOP OF STRUCTURAL CONCRETE LEVEL IN SECTION OR ELEVATION
S.W.L.	SIDE WALK LEVEL
SCHED.	SCHEDULE
SECT.	SECTION
SPECS.	SPECIFICATIONS
STAGG.	STAGGERED
STD.	STANDARD

STRUCTURAL ABBREVIATIONS	
S.S.	SOLID SLAB
SIM.	SIMILAR
ST.	STRAIGHT
SBC.	SAUDI BUILDING CODE
S.O.G.	SLAB ON GRADE
STIR.	STIRRUP
S.B.	STRAP BEAM
THRU.	THROUGH
TB	TIE BEAM
T & B.	TOP AND BOTTOM
T.O.F., T/F	TOP OF CONCRETE FOUNDATION
TYP.	TYPICAL
TH.	THICKNESS
Txx	XX INDICATES DIAMETER OF DEFORMED REBAR IN MM
UNO.	UNLESS NOTED OTHERWISE
UBC.	UNIFORM BUILDING CODE
VAR.	VARIABLE
VERT.	VERTICAL
WWF.	WELDED WIRE FABRIC
WS.	WATERSTOP
W.	WIDTH
W./	WITH
1st. FL.	FIRST FLOOR MEANS THE FLOOR SLAB AT FIRST

NO.	REVISION	APPD.	DATE
CLIENT	الجمهورية اللبنانية مجلس الإنماء والإعمار		
CONSULTANT	كتيب وعلية Khatib & Alami consolidated engineering company S.A.L.		
PROJECT TITLE	CHHIM GOVERNMENTAL OFFICES BUILDING		
DRAWING TITLE	GENERAL NOTES AND GENERAL DETAILS (SHEET 4 OF 4)		
DESIGNED	D.N.	DRAWING NO.	S003
DRAWN	A.M.	PROJECT NO.	BY151600
COORDINATED	H.J.	FILE NAME	BY1516-SG-GEN-01
CHECKED	F.K.	DATE	February 2016
APPROVED	J.F.C.	APPROVED FOR CONSTRUCTION	
SCALE	N.T.S.	SHEET NO.	
TENDER SUBMISSION			